FCC TEST REPORT

(15.407)

REPORT NO.:	RF140415C27C
MODEL NO.:	PCE4552AH
FCC ID:	QXO-57G45
RECEIVED:	Jun 12, 2014
TESTED:	Jun. 25 ~ Aug. 07, 2014
ISSUED:	Aug. 08, 2014

APPLICANT:	Extreme Networks, Inc.
ADDRESS:	9 Northeastern Blvd. Salem, New Hampshire, United States, 03079

ISSUED BY:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
LAB ADDRESS:	No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan, R.O.C.
TEST LOCATION:	No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, 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

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF140415C27C	Original release	Aug. 08, 2014

1. CERTIFICATION

PRODUCT: DBDC 3X3 AP
MODEL: PCE4552AH
BRAND: Extreme
APPLICANT: Extreme Networks, Inc.
TESTED: Jun. 25 ~ Aug. 07, 2014
TEST SAMPLE: ENGINEERING SAMPLE
STANDARDS: **FCC Part 15, Subpart E (Section 15.407)**
ANSI C63.10-2009

The above equipment (model: PCE4552AH) 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 :** Aug. 08, 2014
Pettie Chen / Senior Specialist

APPROVED BY : _____ **, DATE :** Aug. 08, 2014
Ken Liu / Senior 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 Emissions	PASS	Meet the requirement of limit. Minimum passing margin is -17.54dB at 1.40831MHz.
15.407(b) (1/2/3/4/6)	Radiated Emissions & Band Edge Measurement	PASS	Meet the requirement of limit. Minimum passing margin is -0.2dB at 5861.00MHz.
15.407(a)(1/2/3)	Max Average Transmit Power	PASS	Meet the requirement of limit.
15.407(a)(1/2/3)	Peak Power Spectral Density	PASS	Meet the requirement of limit.
15.407(e)	6dB bandwidth	PASS	Meet the requirement of limit. (U-NII-3 Band only)
15.407(g)	Frequency Stability	PASS	Meet the requirement of limit.
15.203	Antenna Requirement	PASS	Antenna connector is N-Type. (The device is professionally installed)

2.1 MEASUREMENT UNCERTAINTY

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

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	9kHz~30MHz	2.44 dB
Radiated emissions	30MHz ~ 200MHz	3.34 dB
	200MHz ~1000MHz	3.35 dB
	1GHz ~ 18GHz	2.26 dB
	18GHz ~ 40GHz	1.94 dB

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

EUT	DBDC 3X3 AP		
MODEL NO.	PCE4552AH		
POWER SUPPLY	4.2Vdc (DC)		
MODULATION TYPE	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode only		
MODULATION TECHNOLOGY	OFDM		
TRANSFER RATE	802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 450.0Mbps 802.11ac: up to 1300.0Mbps		
OPERATING FREQUENCY	5180 ~ 5240MHz, 5745 ~ 5825MHz		
NUMBER OF CHANNEL	5180 ~ 5240MHz: 4 for 802.11a, 802.11n (20MHz), 802.11ac (20MHz) 2 for 802.11n (40MHz), 802.11ac (40MHz) 1 for 802.11ac (80MHz) 5745 ~ 5825MHz: 5 for 802.11a, 802.11n (20MHz), 802.11ac (20MHz) 2 for 802.11n (40MHz), 802.11ac (40MHz) 1 for 802.11ac (80MHz)		
OUTPUT POWER	**Antenna**	**OUTPUT POWER (mW)**	
		5180 ~ 5240MHz	**5745 ~ 5825MHz**
	1	583.979	908.499
	2	81.206	12.967
	3	44.416	275.814
	4	470.997	616.895
	5	893.770	571.469
	6	644.072	342.006
	7	599.844	602.270
ANTENNA TYPE	Refer to NOTE		
ANTENNA CONNECTOR	Refer to NOTE		
DATA CABLE	NA		
I/O PORTS	Refer to user's manual		
ACCESSORY DEVICES	NA		

NOTE:

1. This report is prepared for FCC class II permissive change. This report is issued as a supplementary report of BV ADT report no.: RF140415C27 & RF140415C27-1. Difference compared with the original report are updating standard to new rule and adding 5180~5240MHz of antenna 1~5, 7. Therefore, the EUT was re-tested and presented in the test report.

2. The EUT incorporates a MIMO function. Physically, the EUT provides three completed transmitters and three receivers.

MODULATION MODE	TX FUNCTION (Ant. 1, 3, 4, 5, 6, 7)	TX FUNCTION (Ant. 2)
802.11a	3TX	2TX
802.11n (20MHz)	3TX	2TX
802.11n (40MHz)	3TX	2TX
802.11ac (20MHz)	3TX	2TX
802.11ac (40MHz)	3TX	2TX
802.11ac (80MHz)	3TX	2TX

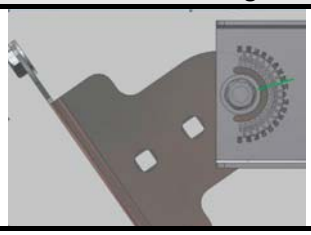
* The modulation and bandwidth are similar for 802.11n mode for 20MHz / 40MHz and 802.11ac mode for 20MHz / 40MHz, therefore investigated worst case to representative mode in test report. (Final test mode refer section 3.2.1)

3. There are 7 antennas for the EUT.

Item	Model Name	Ant Type	Ant Connector	Install Location	Gain(dBi)
1	WS-AO-DT05120N	Sector	N-Type	Indoor Access Point	5
2	WS-AO-5D23009N	Panel	N-Type	Fixed point-to-point Access Point	23
3	WS-AO-DX13025N	Panel	N-Type	Outdoor Access Point	11.5
4	WS-AO-DX10055N	Panel	N-Type	Indoor Access Point	8
5	Omni Stubby	Dipole	N-Type	Indoor Access Point	2
6	Senao dipole 5G	Dipole	N-Type	Indoor Access Point	7
7	SuperPass SP-G2HJ2H-6L	Sector	N-Type	Indoor Access Point	7.2

* Adding 5180~5240MHz of antenna 1~5, 7.

4. For Item 3 antenna install at outdoor area the antenna will below 15 degrees from the horizon, so the highest antenna gain from the horizon above 30 degrees as below, for more detail information please refer to antenna specification and user manual

Antenna Port	Antenna gain	Antenna install degree
Port 1	0.77 dBi	
Port 2	1.45 dBi	
Port 3	-4.49 dBi	

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

3.2 DESCRIPTION OF TEST MODES

FOR 5180 ~ 5240MHz

4 channels are provided for 802.11a, 802.11n (20MHz), 802.11ac (20MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
36	5180 MHz	44	5220 MHz
40	5200 MHz	48	5240 MHz

2 channels are provided for 802.11n (40MHz), 802.11ac (40MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
38	5190 MHz	46	5230 MHz

1 channel is provided for 802.11ac (80MHz):

CHANNEL	FREQUENCY
42	5210MHz

FOR 5745 ~ 5825MHz:

5 channels are provided for 802.11a, 802.11n (20MHz), 802.11ac (20MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
149	5745MHz	161	5805MHz
153	5765MHz	165	5825MHz
157	5785MHz		

2 channels are provided for 802.11n (40MHz), 802.11ac (40MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
151	5755MHz	159	5795MHz

1 channel is provided for 802.11ac (80MHz):

CHANNEL	FREQUENCY
155	5775MHz

3.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE≥1G	RE<1G	PLC	APCM	
A	√	√	√	√	EUT with Antenna 1
B	√	√	√	√	EUT with Antenna 2
C	√	√	√	√	EUT with Antenna 3
D	√	√	√	√	EUT with Antenna 4
E	√	√	√	√	EUT with Antenna 5
F	√	√	√	√	EUT with Antenna 6
G	√	√	√	√	EUT with Antenna 7

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

NOTE: For test mode G, the antenna of EUT had been pre-tested on the positioned of Y axis and Z axis. The worst case was found when positioned on **Y-plane**.

RADIATED EMISSION TEST (ABOVE 1GHz):

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

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

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A, B, C, D, E, F, G	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	BPSK	6.0
A, B, C, D, E, F, G	802.11ac (20MHz)		36 to 48	36, 40, 48	OFDM	BPSK	7.2
A, B, C, D, E, F, G	802.11ac (40MHz)		38 to 46	38, 46	OFDM	BPSK	15.0
A, C, D, E, F, G	802.11ac (80MHz)		42	42	OFDM	BPSK	97.5
B	802.11ac (80MHz)		42	42	OFDM	BPSK	65.0
A, B, C, D, E, F, G	802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	BPSK	6.0
A, B, C, D, E, F, G	802.11ac (20MHz)		149 to 165	149, 157, 165	OFDM	BPSK	7.2
A, B, C, D, E, F, G	802.11ac (40MHz)		151 to 159	151, 159	OFDM	BPSK	15.0
A, C, D, E, F, G	802.11ac (80MHz)		155	155	OFDM	BPSK	97.5
B	802.11ac (80MHz)		155	155	OFDM	BPSK	65.0

RADIATED EMISSION TEST (BELOW 1GHz):

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

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

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A, D, F	802.11ac (20MHz)	5180-5320, 5745-5825	36 to 64, 149 to 165	157	OFDM	BPSK	7.2
B	802.11a	5180-5320, 5745-5825	36 to 64, 149 to 165	48	OFDM	BPSK	6.0
C, G	802.11a	5180-5320, 5745-5825	36 to 64, 149 to 165	157	OFDM	BPSK	6.0
E	802.11a	5180-5320, 5745-5825	36 to 64, 149 to 165	40	OFDM	BPSK	6.0

POWER LINE CONDUCTED EMISSION TEST:

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

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

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A, D, F	802.11ac (20MHz)	5180-5320, 5745-5825	36 to 64, 149 to 165	157	OFDM	BPSK	7.2
B	802.11a	5180-5320, 5745-5825	36 to 64, 149 to 165	48	OFDM	BPSK	6.0
C, G	802.11a	5180-5320, 5745-5825	36 to 64, 149 to 165	157	OFDM	BPSK	6.0
E	802.11a	5180-5320, 5745-5825	36 to 64, 149 to 165	40	OFDM	BPSK	6.0

ANTENNA PORT CONDUCTED MEASUREMENT:

☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.

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

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

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A, B, C, D, E, F, G	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	BPSK	6.0
A, B, C, D, E, F, G	802.11ac (20MHz)		36 to 48	36, 40, 48	OFDM	BPSK	7.2
A, B, C, D, E, F, G	802.11ac (40MHz)		38 to 46	38, 46	OFDM	BPSK	15.0
A, C, D, E, F, G	802.11ac (80MHz)		42	42	OFDM	BPSK	97.5
B	802.11ac (80MHz)		42	42	OFDM	BPSK	65.0
A, B, C, D, E, F, G	802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	BPSK	6.0
A, B, C, D, E, F, G	802.11ac (20MHz)		149 to 165	149, 157, 165	OFDM	BPSK	7.2
A, B, C, D, E, F, G	802.11ac (40MHz)		151 to 159	151, 159	OFDM	BPSK	15.0
A, C, D, E, F, G	802.11ac (80MHz)		155	155	OFDM	BPSK	97.5
B	802.11ac (80MHz)		155	155	OFDM	BPSK	65.0

TEST CONDITION:

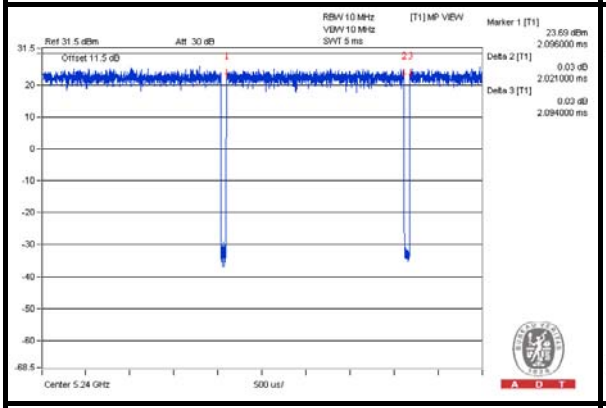
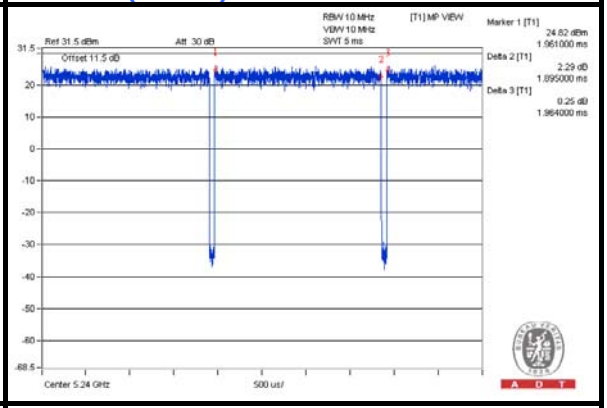
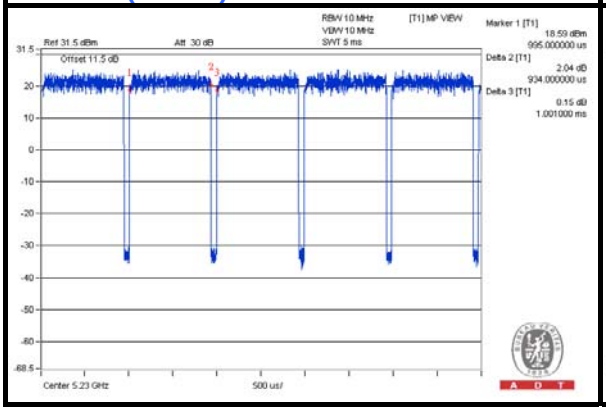
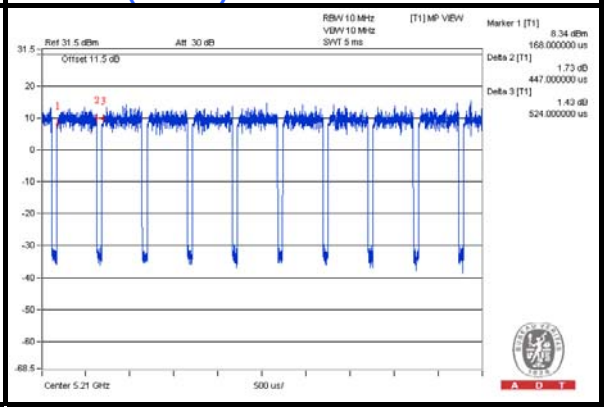
APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER (SYSTEM)	TESTED BY
RE≥1G	22deg. C, 65%RH 25deg. C, 65%RH	120Vac, 60Hz	Jones Chang Chris Lin
RE<1G	22deg. C, 65%RH	120Vac, 60Hz	Chris Lin
PLC	24deg. C, 64%RH	120Vac, 60Hz	Match Tsui
APCM	25deg. C, 60%RH	120Vac, 60Hz	Nick Chen

3.3 DUTY CYCLE OF TEST SIGNAL

TEST MODE A

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

802.11a: Duty cycle = 2.021/2.094 = 0.965, Duty factor = 10 * log(1/0.965) = 0.15
802.11ac (20MHz): Duty cycle = 1.895/1.964 = 0.965, Duty factor = 10 * log(1/0.965) = 0.16
802.11ac (40MHz): Duty cycle = 0.934/1.001 = 0.933, Duty factor = 10 * log(1/0.933) = 0.30
802.11ac (80MHz): Duty cycle = 0.447/0.524 = 0.853, Duty factor = 10 * log(1/0.853) = 0.69

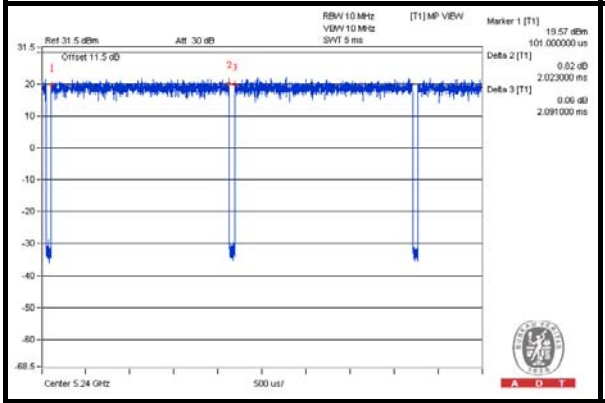
802.11a	802.11ac (20MHz)
	
802.11ac (40MHz)	**802.11ac (80MHz)**
	

TEST MODE B

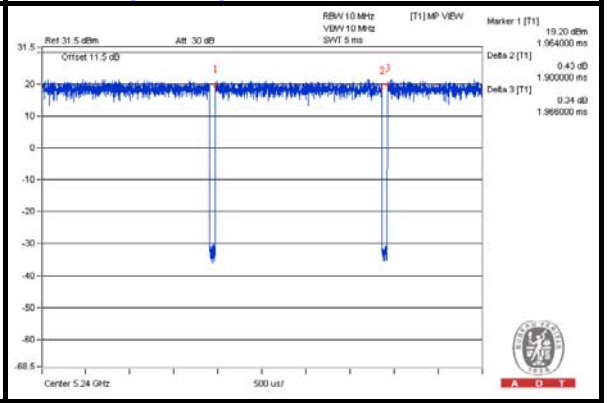
Duty cycle of test signal is < 98 %, duty factor is required.

802.11a: Duty cycle = 2.023/2.091 = 0.967, Duty factor = 10 * log(1/0.967) = 0.14
802.11ac (20MHz): Duty cycle = 1.9/1.966 = 0.966, Duty factor = 10 * log(1/0.966) = 0.15
802.11ac (40MHz): Duty cycle = 0.929/1.005 = 0.924, Duty factor = 10 * log(1/0.924) = 0.34
802.11ac (80MHz): Duty cycle = 0.454/0.518 = 0.876, Duty factor = 10 * log(1/0.876) = 0.57

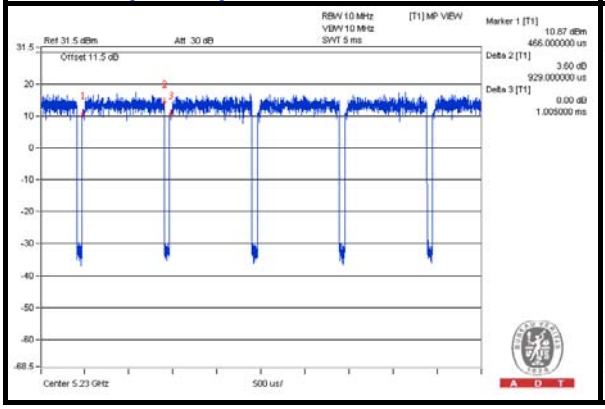
802.11a



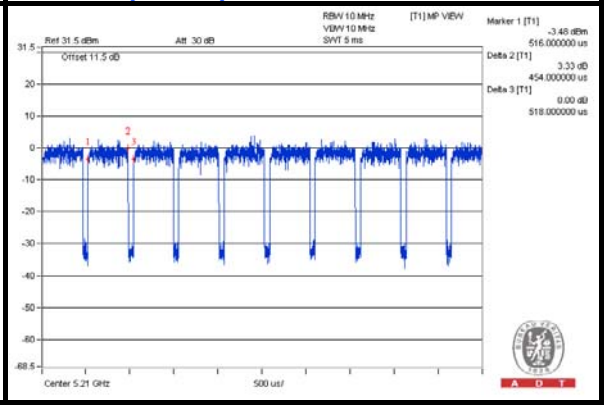
802.11ac (20MHz)



802.11ac (40MHz)



802.11ac (80MHz)

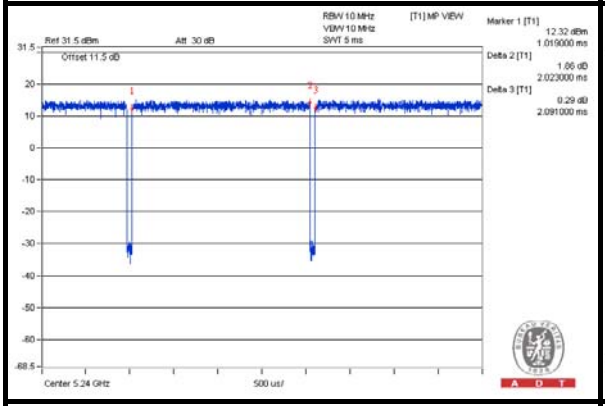


TEST MODE C

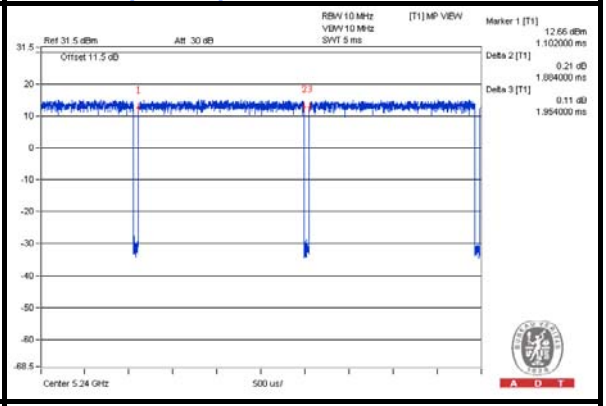
Duty cycle of test signal is < 98 %, duty factor is required.

802.11a: Duty cycle = 2.023/2.091 = 0.967, Duty factor = 10 * log(1/0.967) = 0.14
802.11ac (20MHz): Duty cycle = 1.884/1.954 = 0.964, Duty factor = 10 * log(1/0.964) = 0.16
802.11ac (40MHz): Duty cycle = 0.932/1.003 = 0.929, Duty factor = 10 * log(1/0.929) = 0.32
802.11ac (80MHz): Duty cycle = 0.455/0.524 = 0.868, Duty factor = 10 * log(1/0.868) = 0.61

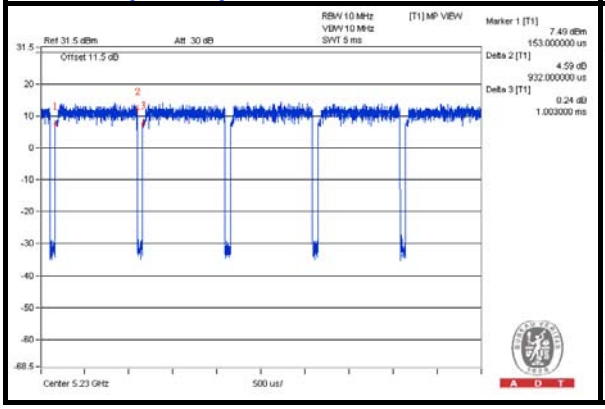
802.11a



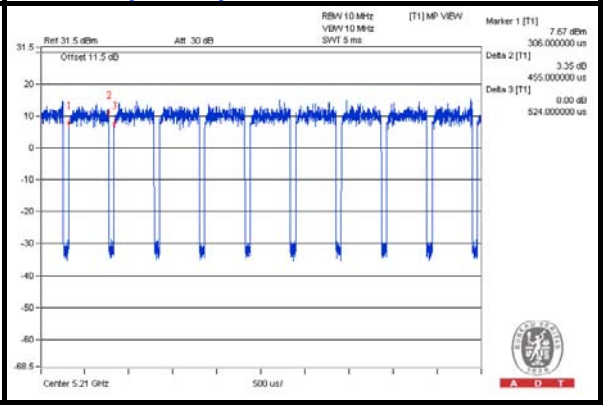
802.11ac (20MHz)



802.11ac (40MHz)



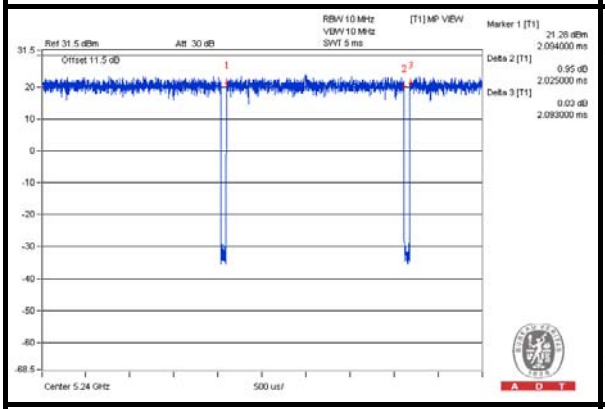
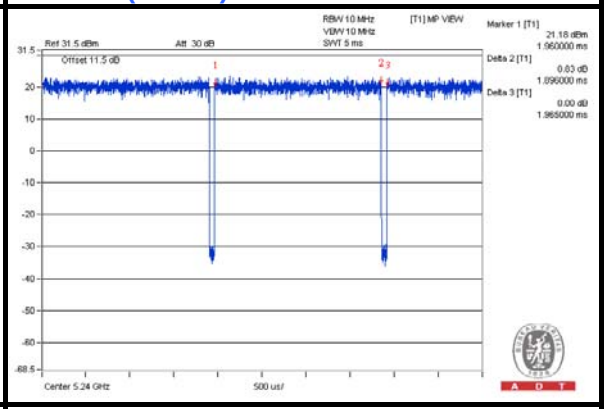
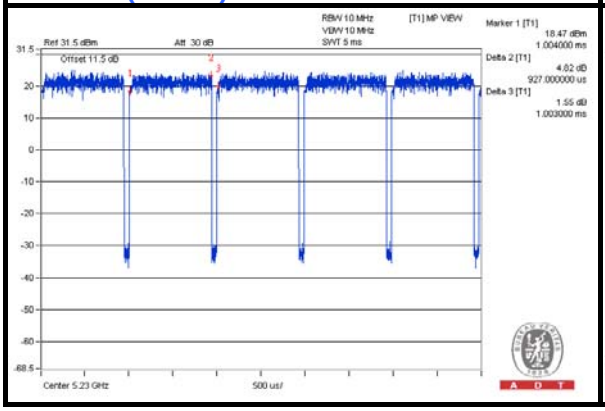
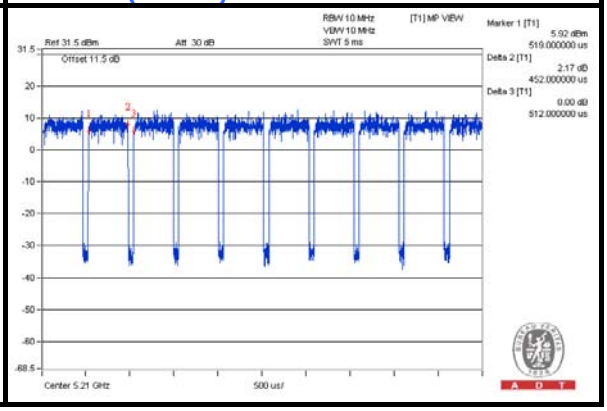
802.11ac (80MHz)



TEST MODE D

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

802.11a: Duty cycle = 2.025/2.093 = 0.968, Duty factor = 10 * log(1/0.968) = 0.14
802.11ac (20MHz): Duty cycle = 1.896/1.965 = 0.965, Duty factor = 10 * log(1/0.965) = 0.16
802.11ac (40MHz): Duty cycle = 0.927/1.003 = 0.924, Duty factor = 10 * log(1/0.924) = 0.34
802.11ac (80MHz): Duty cycle = 0.452/0.512 = 0.883, Duty factor = 10 * log(1/0.883) = 0.54

802.11a	802.11ac (20MHz)
	
802.11ac (40MHz)	**802.11ac (80MHz)**
	

TEST MODE E

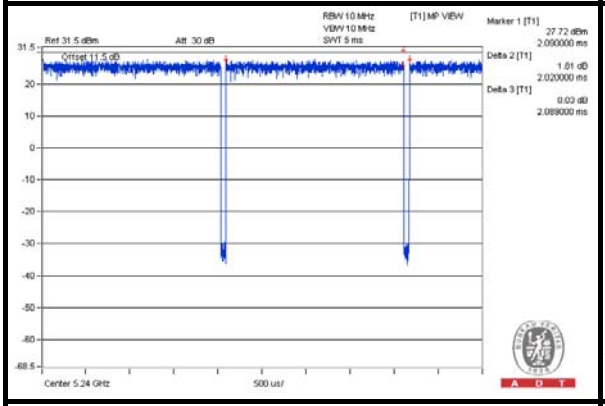
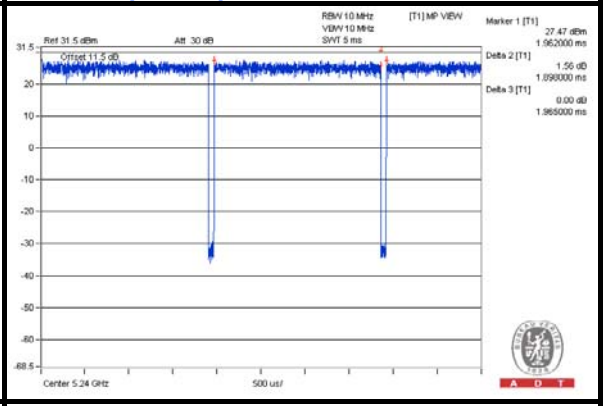
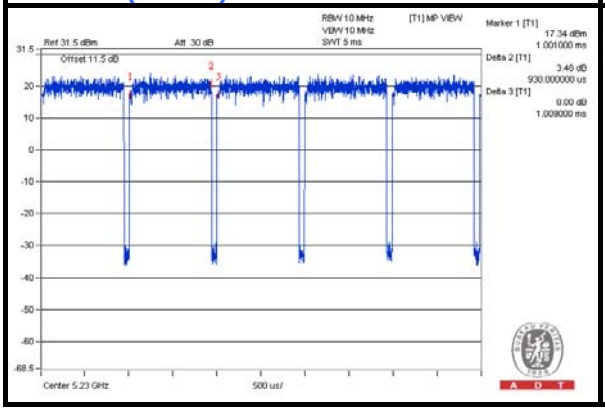
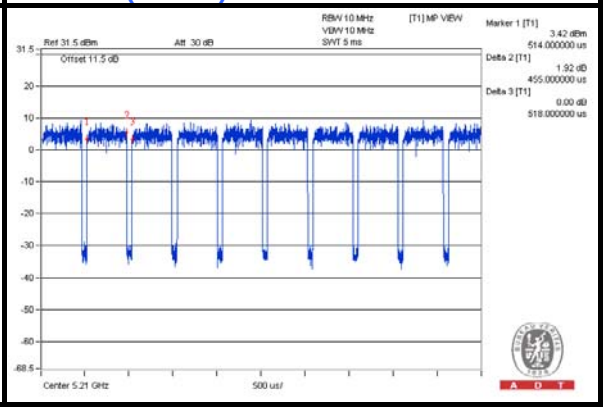
Duty cycle of test signal is < 98 %, duty factor is required.

802.11a: Duty cycle = 2.02/2.089 = 0.967, Duty factor = 10 * log(1/0.967) = 0.15

802.11ac (20MHz): Duty cycle = 1.898/1.965 = 0.966, Duty factor = 10 * log(1/0.966) = 0.15

802.11ac (40MHz): Duty cycle = 0.93/1.009 = 0.922, Duty factor = 10 * log(1/0.922) = 0.35

802.11ac (80MHz): Duty cycle = 0.455/0.518 = 0.878, Duty factor = 10 * log(1/0.878) = 0.56

802.11a	802.11ac (20MHz)
	
802.11ac (40MHz)	**802.11ac (80MHz)**
	

TEST MODE F

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

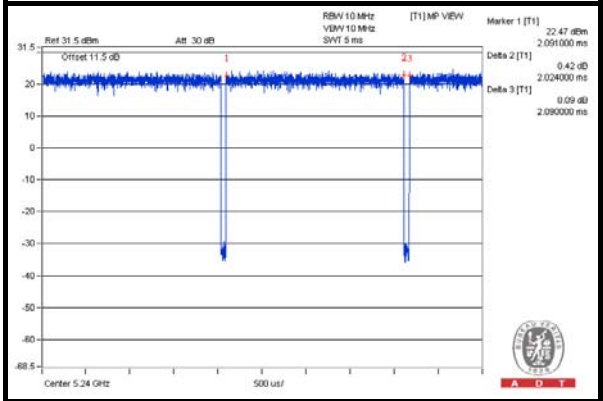
802.11a: Duty cycle = 2.024/2.09 = 0.968, Duty factor = 10 * log(1/0.968) = 0.14

802.11ac (20MHz): Duty cycle = 1.898/1.965 = 0.966, Duty factor = 10 * log(1/0.966) = 0.15

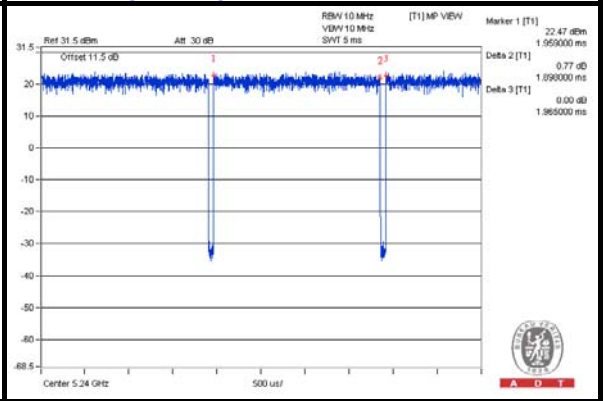
802.11ac (40MHz): Duty cycle = 0.934/1.012 = 0.923, Duty factor = 10 * log(1/0.923) = 0.35

802.11ac (80MHz): Duty cycle = 0.455/0.515 = 0.883, Duty factor = 10 * log(1/0.883) = 0.54

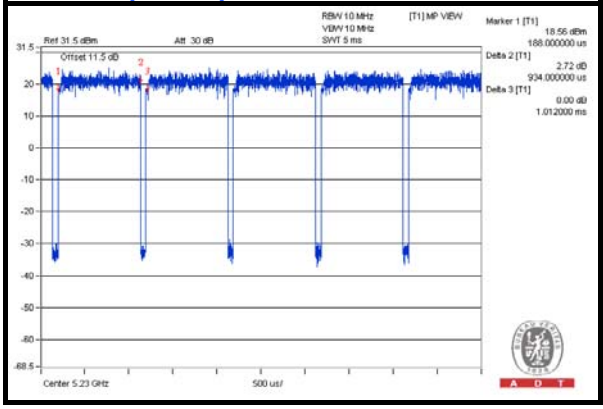
802.11a



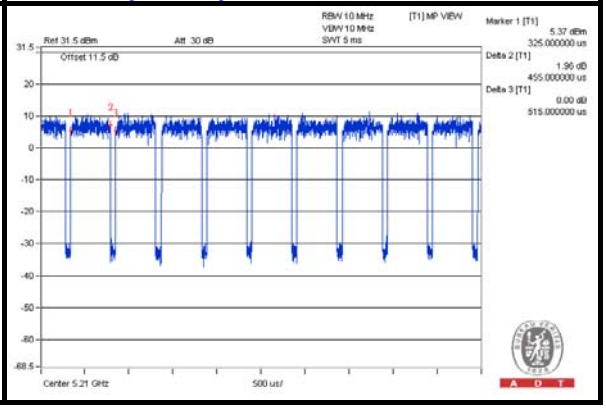
802.11ac (20MHz)



802.11ac (40MHz)



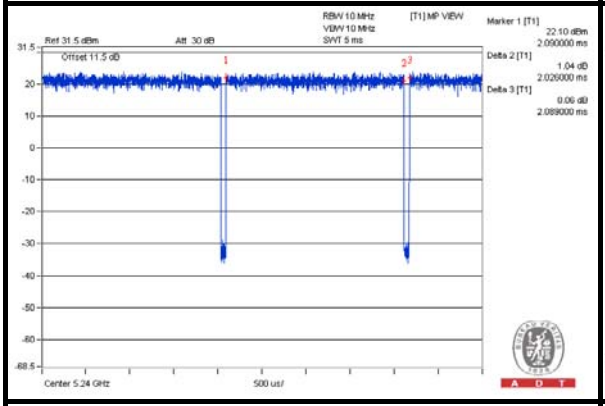
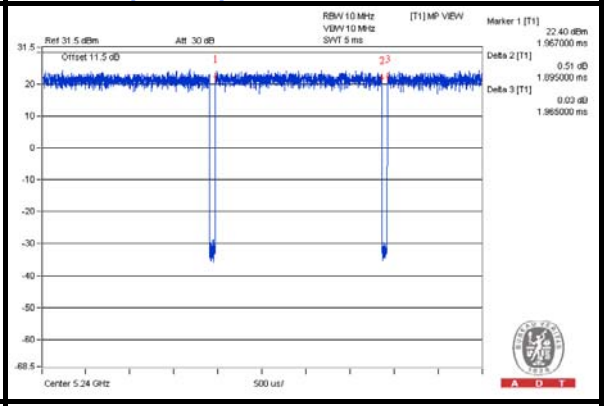
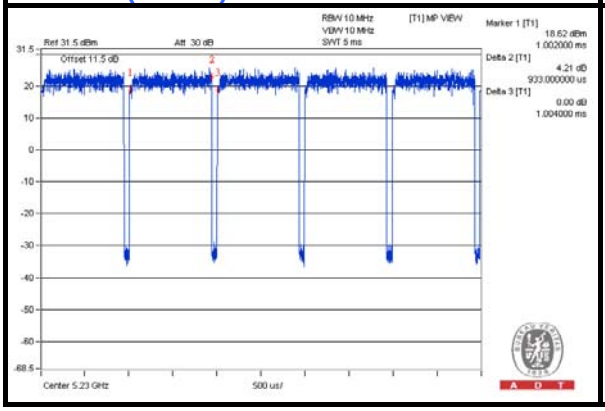
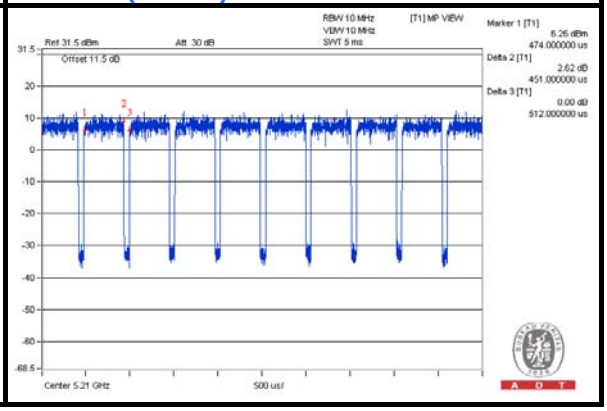
802.11ac (80MHz)



TEST MODE G

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

802.11a: Duty cycle = 2.026/2.089 = 0.97, Duty factor = 10 * log(1/0.97) = 0.13
802.11ac (20MHz): Duty cycle = 1.895/1.965 = 0.964, Duty factor = 10 * log(1/0.964) = 0.16
802.11ac (40MHz): Duty cycle = 0.933/1.004 = 0.929, Duty factor = 10 * log(1/0.929) = 0.32
802.11ac (80MHz): Duty cycle = 0.451/0.512 = 0.881, Duty factor = 10 * log(1/0.881) = 0.55

802.11a	802.11ac (20MHz)
	
802.11ac (40MHz)	**802.11ac (80MHz)**
	

3.4 DESCRIPTION OF SUPPORT UNITS

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

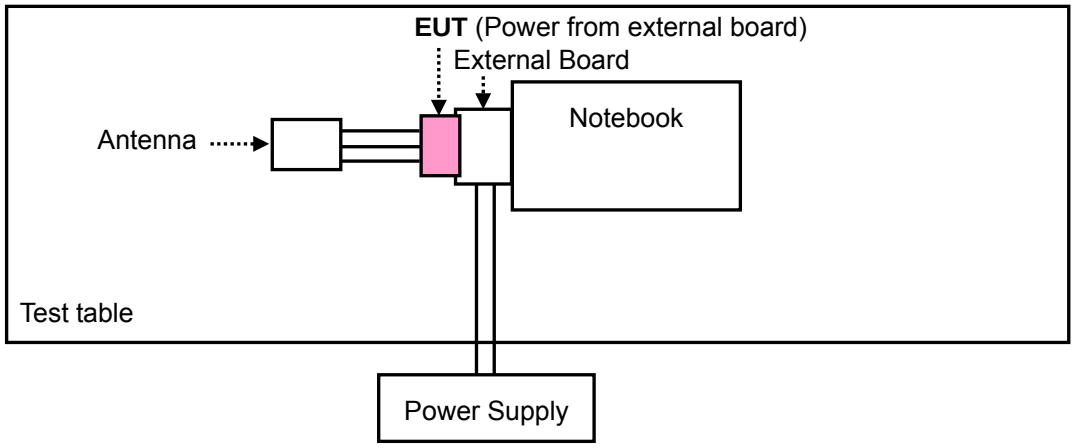
NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Notebook	DELL	D531	CN-0XM006-48643-81U-2610	QDS-BRCM1020
2	External Board	NA	NA	NA	NA
3	Power Supply	Topward	6603D	802001	NA

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA
2	NA
3	NA

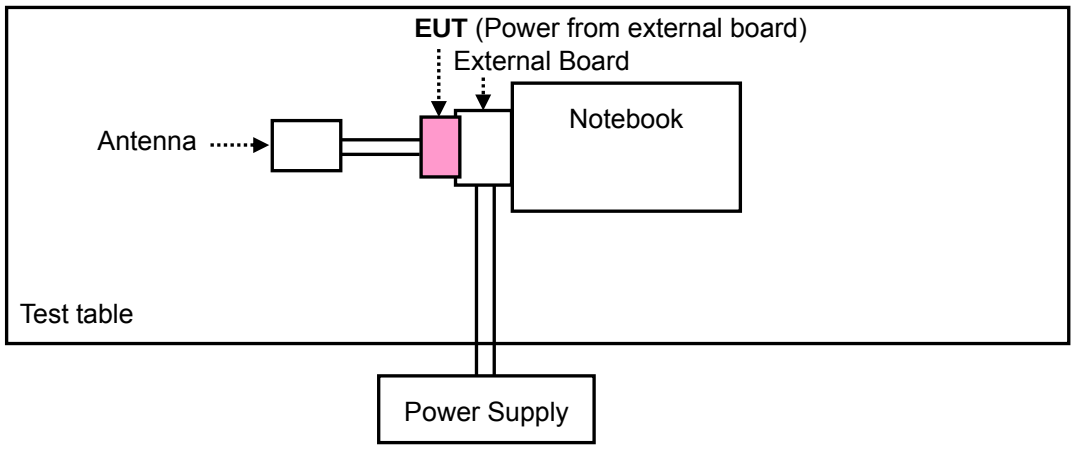
NOTE:
1. All power cords of the above support units are non-shielded (1.8m).
2. Item 2 was provided by client.
3. Item 3 was placed under the test table.

3.4.1 CONFIGURATION OF SYSTEM UNDER TEST

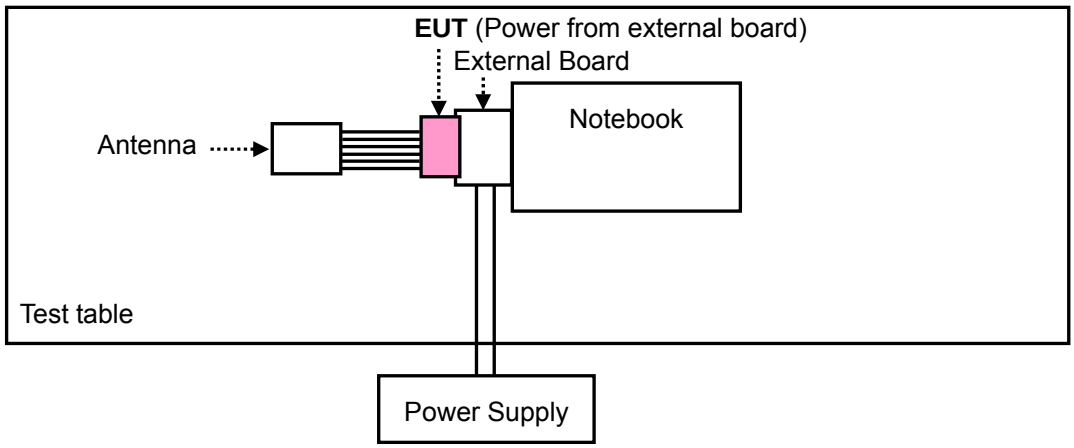
TEST MODE A, G



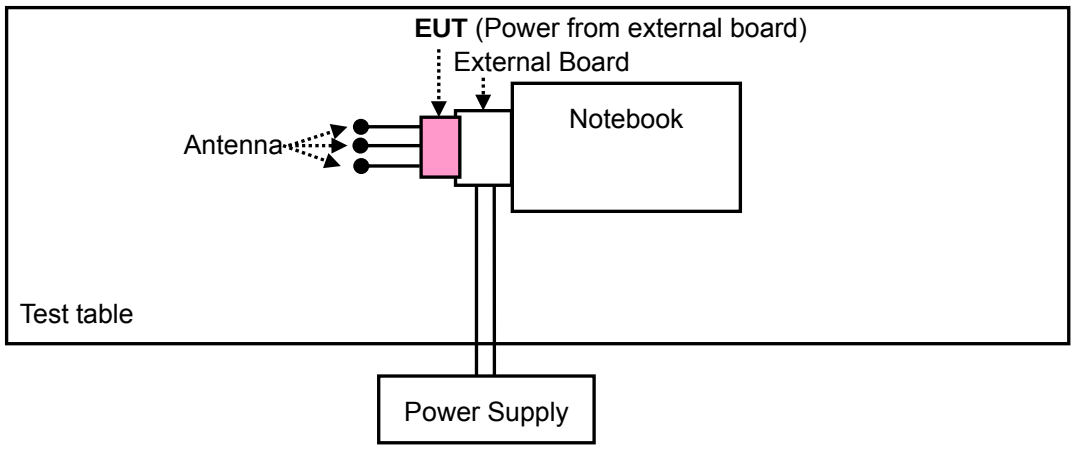
TEST MODE B



TEST MODE C, D



TEST MODE E, F



3.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

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

FCC Part 15, Subpart E (15.407)
789033 D02 General UNII Test Procedures New Rules v01
662911 D01 Multiple Transmitter Output v02r01
ANSI C63.10-2009

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

4. TEST TYPES AND RESULTS

4.1 RADIATED EMISSION AND BANDEDGE MEASUREMENT

4.1.1 LIMITS OF RADIATED EMISSION AND BANDEDGE MEASUREMENT

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

FREQUENCIES (MHz)	FIELD STRENGTH (microvolts/meter)	MEASUREMENT DISTANCE (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

NOTE:
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.

4.1.2 LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

APPLICABLE TO	LIMIT	
789033 D02 General UNII Test Procedures New Rules v01	FIELD STRENGTH AT 3m	
	PK: 74 (dBμV/m)	AV: 54 (dBμV/m)
APPLICABLE TO	**EIRP LIMIT**	**EQUIVALENT FIELD STRENGTH AT 3m**
15.407(b)(1)	PK: -27 (dBm/MHz)	PK: 68.3 (dBμV/m)
15.407(b)(2)		
15.407(b)(3)		
15.407(b)(4)	PK: -27 (dBm/MHz) *1 PK: -17 (dBm/MHz) *2	PK: 68.3 (dBμV/m) *1 PK: 78.3 (dBμV/m) *2

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

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

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

4.1.3 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESIB7	100187	Jan. 02, 2014	Jan. 01, 2015
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Mar. 03, 2014	Mar. 02, 2015
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	Feb. 26, 2014	Feb. 25, 2015
HORN Antenna SCHWARZBECK	9120D	209	Sep. 12, 2013	Sep. 11, 2014
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170241	Feb. 17, 2014	Feb. 16, 2015
Preamplifier Agilent	8447D	2944A10633	Oct. 07, 2013	Oct. 06, 2014
Preamplifier Agilent	8449B	3008A01964	Aug. 26, 2013	Aug. 25, 2014
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	214378/4	Aug. 26, 2013	Aug. 25, 2014
RF signal cable HUBER+SUHNNER	SUCOFLEX 106	12738/6 +309224/4	Aug. 26, 2013	Aug. 25, 2014
Software BV ADT	ADT_Radiated_ V7.6.15.9.4	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	013303	NA	NA
Antenna Tower Controller inn-co GmbH	CO2000	017303	NA	NA
Turn Table BV ADT	TT100	TT93021703	NA	NA
Turn Table Controller BV ADT	SC100	SC93021703	NA	NA
26GHz ~ 40GHz Amplifier	EM26400	815221	Oct. 18, 2013	Oct. 17, 2014
High Speed Peak Power Meter	ML2495A	0824011	Jul. 29, 2013	Jul. 28, 2014
Power Sensor	MA2411B	0738171	Jul. 29, 2013	Jul. 28, 2014
WIT Standard Temperature And Humidity Chamber	TH-4S-C	W981030	Jun. 09, 2014	Jun. 08, 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. The test was performed in HwaYa Chamber 3.

3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.

4. The FCC Site Registration No. is 988962.

5. The IC Site Registration No. is IC 7450F-3.

4.1.4 TEST PROCEDURES

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. 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 antenna is a broadband antenna, and its height 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 Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

NOTE:

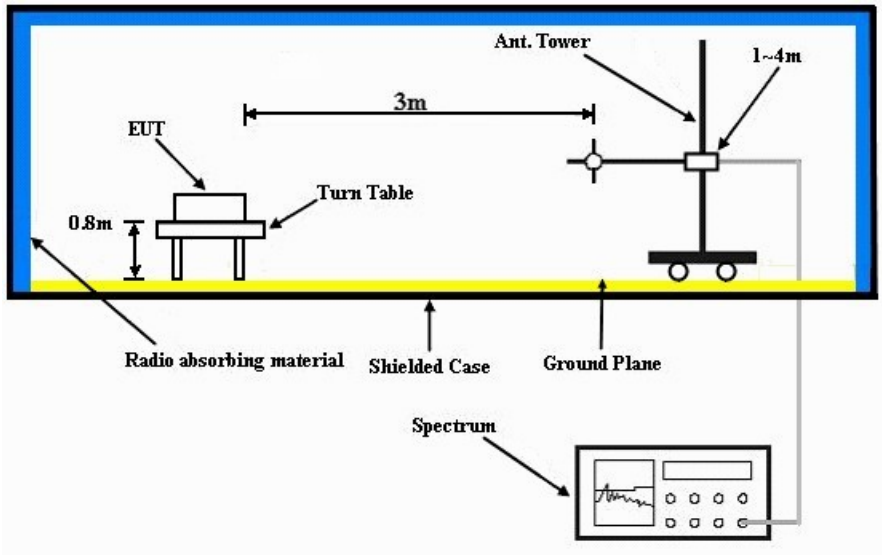
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98%) or 10Hz(Duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.5 DEVIATION FROM TEST STANDARD

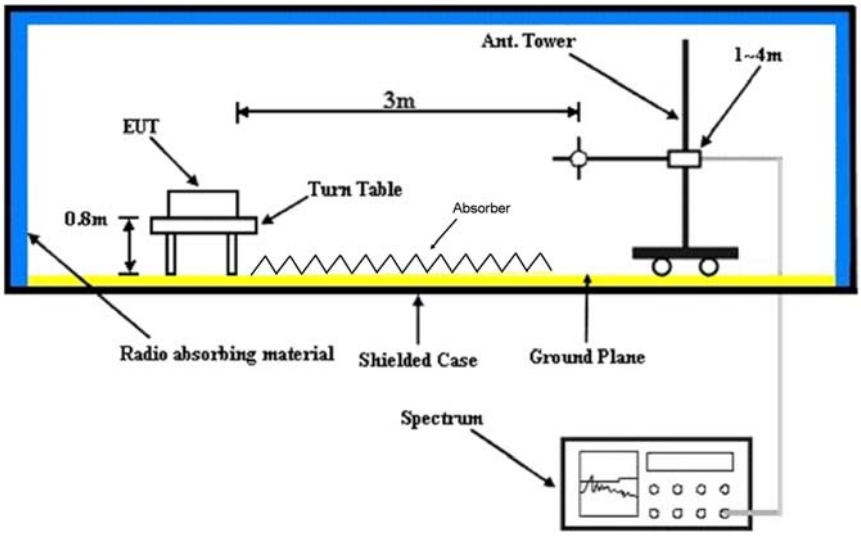
No deviation.

4.1.6 TEST SETUP

Frequency range 30MHz~1GHz



Frequency range above 1GHz



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

4.1.7 EUT OPERATING CONDITION

a. Plugged the EUT into notebook via external board and placed them on the testing table.
b. The notebook system ran a test program (provided by manufacturer) to enable EUT under transmission condition continuously at specific channel frequency.
c. The necessary accessories enable the system in full functions.

4.1.8 TEST RESULTS

ABOVE 1GHz DATA

TEST MODE A

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (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	63.7 PK	74.0	-10.3	1.00 H	196	58.60	5.10
2	5150.00	49.6 AV	54.0	-4.4	1.00 H	196	44.50	5.10
3	*5180.00	114.8 PK			1.00 H	196	77.10	37.70
4	*5180.00	104.2 AV			1.00 H	196	66.50	37.70
5	#6906.00	58.0 PK	68.3	-10.3	1.24 H	194	46.80	11.20
6	#10360.00	60.6 PK	68.3	-7.7	1.29 H	248	42.30	18.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	66.3 PK	74.0	-7.7	1.01 V	343	61.20	5.10
2	5150.00	52.1 AV	54.0	-1.9	1.01 V	343	47.00	5.10
3	*5180.00	116.8 PK			1.02 V	344	79.10	37.70
4	*5180.00	106.9 AV			1.02 V	344	69.20	37.70
5	#6906.00	59.6 PK	68.3	-8.7	1.39 V	162	48.40	11.20
6	#10360.00	63.2 PK	68.3	-5.1	1.44 V	103	44.90	18.30

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	65.4 PK	74.0	-8.6	1.05 H	325	60.30	5.10
2	5150.00	50.1 AV	54.0	-3.9	1.05 H	325	45.00	5.10
3	*5200.00	119.6 PK			1.04 H	325	81.80	37.80
4	*5200.00	110.2 AV			1.04 H	325	72.40	37.80
5	#6933.00	55.2 PK	68.3	-13.1	1.30 H	186	43.90	11.30
6	#10400.00	61.7 PK	68.3	-6.6	1.10 H	102	43.00	18.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	68.0 PK	74.0	-6.0	1.02 V	19	62.90	5.10
2	5150.00	51.2 AV	54.0	-2.8	1.02 V	19	46.10	5.10
3	*5200.00	120.2 PK			1.13 V	342	82.40	37.80
4	*5200.00	110.4 AV			1.13 V	342	72.60	37.80
5	#6933.00	58.0 PK	68.3	-10.3	1.36 V	181	46.70	11.30
6	#10400.00	63.7 PK	68.3	-4.6	1.02 V	180	45.00	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)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	119.0 PK			1.03 H	335	81.10	37.90
2	*5240.00	109.3 AV			1.03 H	335	71.40	37.90
3	5350.00	56.4 PK	74.0	-17.6	1.03 H	304	51.00	5.40
4	5350.00	45.8 AV	54.0	-8.2	1.03 H	304	40.40	5.40
5	#6986.00	54.0 PK	68.3	-14.3	1.23 H	105	42.50	11.50
6	#10480.00	62.1 PK	68.3	-6.2	1.11 H	247	42.60	19.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	122.5 PK			1.10 V	353	84.60	37.90
2	*5240.00	112.3 AV			1.10 V	353	74.40	37.90
3	5350.00	57.9 PK	74.0	-16.1	1.03 V	202	52.50	5.40
4	5350.00	46.8 AV	54.0	-7.2	1.03 V	202	41.40	5.40
5	#6986.00	55.8 PK	68.3	-12.5	1.28 V	165	44.30	11.50
6	#10480.00	63.6 PK	68.3	-4.7	1.14 V	143	44.10	19.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	63.1 PK	74.0	-10.9	1.00 H	213	58.00	5.10
2	5150.00	49.1 AV	54.0	-4.9	1.00 H	213	44.00	5.10
3	*5180.00	114.4 PK			1.01 H	220	76.70	37.70
4	*5180.00	104.2 AV			1.01 H	220	66.50	37.70
5	#6906.00	56.8 PK	68.3	-11.5	1.20 H	198	45.60	11.20
6	#10360.00	60.6 PK	68.3	-7.7	1.03 H	135	42.30	18.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	66.7 PK	74.0	-7.3	1.00 V	19	61.60	5.10
2	5150.00	52.2 AV	54.0	-1.8	1.00 V	19	47.10	5.10
3	*5180.00	118.4 PK			1.11 V	354	80.70	37.70
4	*5180.00	107.8 AV			1.11 V	354	70.10	37.70
5	#6906.00	59.0 PK	68.3	-9.3	1.45 V	173	47.80	11.20
6	#10360.00	62.0 PK	68.3	-6.3	1.00 V	342	43.70	18.30

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	66.2 PK	74.0	-7.8	1.00 H	1	61.10	5.10
2	5150.00	50.1 AV	54.0	-3.9	1.00 H	1	45.00	5.10
3	*5200.00	118.4 PK			1.11 H	196	80.70	37.70
4	*5200.00	107.9 AV			1.11 H	196	70.20	37.70
5	#6933.00	54.7 PK	68.3	-13.6	1.28 H	199	43.40	11.30
6	#10400.00	61.6 PK	68.3	-6.7	1.12 H	111	42.90	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	5150.00	68.6 PK	74.0	-5.4	1.00 V	19	63.50	5.10
2	5150.00	52.0 AV	54.0	-2.0	1.00 V	19	46.90	5.10
3	*5200.00	120.5 PK			1.01 V	339	82.70	37.80
4	*5200.00	110.8 AV			1.01 V	339	73.00	37.80
5	#6933.00	58.4 PK	68.3	-9.9	1.33 V	184	47.10	11.30
6	#10400.00	63.9 PK	68.3	-4.4	1.00 V	191	45.20	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)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	120.2 PK			1.15 H	316	82.30	37.90
2	*5240.00	109.8 AV			1.15 H	316	71.90	37.90
3	5350.00	56.3 PK	74.0	-17.7	1.01 H	336	50.90	5.40
4	5350.00	45.6 AV	54.0	-8.4	1.01 H	336	40.20	5.40
5	#6986.00	53.4 PK	68.3	-14.9	1.09 H	256	41.90	11.50
6	#10480.00	61.2 PK	68.3	-7.1	1.08 H	255	41.70	19.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	121.6 PK			1.12 V	353	83.70	37.90
2	*5240.00	112.2 AV			1.12 V	353	74.30	37.90
3	5350.00	57.4 PK	74.0	-16.6	1.03 V	303	52.00	5.40
4	5350.00	46.5 AV	54.0	-7.5	1.03 V	303	41.10	5.40
5	#6986.00	55.5 PK	68.3	-12.8	1.24 V	170	44.00	11.50
6	#10480.00	63.3 PK	68.3	-5.0	1.18 V	150	43.80	19.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	65.8 PK	74.0	-8.2	1.06 H	320	60.70	5.10
2	5150.00	50.0 AV	54.0	-4.0	1.06 H	320	44.90	5.10
3	*5190.00	107.8 PK			1.05 H	319	70.00	37.80
4	*5190.00	98.1 AV			1.05 H	319	60.30	37.80
5	#10380.00	59.9 PK	68.3	-8.4	1.05 H	54	41.50	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	5150.00	67.9 PK	74.0	-6.1	1.11 V	357	62.80	5.10
2	5150.00	52.6 AV	54.0	-1.4	1.11 V	357	47.50	5.10
3	*5190.00	109.8 PK			1.11 V	355	72.00	37.80
4	*5190.00	99.6 AV			1.11 V	355	61.80	37.80
5	#10380.00	61.3 PK	68.3	-7.0	1.10 V	256	42.90	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)
3. The other emission levels were very low against the 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		
TEST MODE	A		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	60.1 PK	74.0	-13.9	1.03 H	203	55.00	5.10
2	5150.00	48.9 AV	54.0	-5.1	1.03 H	203	43.80	5.10
3	*5230.00	115.4 PK			1.15 H	336	77.50	37.90
4	*5230.00	105.5 AV			1.15 H	336	67.60	37.90
5	5350.00	59.1 PK	74.0	-14.9	1.13 H	340	53.70	5.40
6	5350.00	48.2 AV	54.0	-5.8	1.13 H	340	42.80	5.40
7	#10420.00	60.8 PK	68.3	-7.5	1.25 H	322	42.00	18.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	66.3 PK	74.0	-7.7	1.02 V	343	61.20	5.10
2	5150.00	52.2 AV	54.0	-1.8	1.02 V	343	47.10	5.10
3	*5230.00	116.0 PK			1.01 V	355	78.10	37.90
4	*5230.00	106.5 AV			1.01 V	355	68.60	37.90
5	5350.00	58.0 PK	74.0	-16.0	1.11 V	303	52.60	5.40
6	5350.00	47.0 AV	54.0	-7.0	1.11 V	303	41.60	5.40
7	#10420.00	61.7 PK	68.3	-6.6	1.25 V	222	42.90	18.80

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	65.2 PK	74.0	-8.8	1.17 H	319	60.10	5.10
2	5150.00	51.4 AV	54.0	-2.6	1.17 H	319	46.30	5.10
3	*5210.00	104.5 PK			1.15 H	317	66.70	37.80
4	*5210.00	94.1 AV			1.15 H	317	56.30	37.80
5	5350.00	57.4 PK	74.0	-16.6	1.10 H	332	52.00	5.40
6	5350.00	46.1 AV	54.0	-7.9	1.10 H	332	40.70	5.40
7	#10420.00	61.6 PK	68.3	-6.7	1.36 H	198	42.80	18.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	66.3 PK	74.0	-7.7	1.35 V	334	61.20	5.10
2	5150.00	52.7 AV	54.0	-1.3	1.35 V	334	47.60	5.10
3	*5210.00	105.4 PK			1.10 V	354	67.60	37.80
4	*5210.00	95.7 AV			1.10 V	354	57.90	37.80
5	5350.00	56.6 PK	74.0	-17.4	1.23 V	307	51.20	5.40
6	5350.00	45.7 AV	54.0	-8.3	1.23 V	307	40.30	5.40
7	#10420.00	61.6 PK	68.3	-6.7	1.36 V	198	42.80	18.80

REMARKS:

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

802.11a

CHANNEL	TX Channel 149	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	A		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	58.0 PK	74.0	-16.0	1.06 H	88	52.00	6.00
2	#5714.00	48.6 AV	54.0	-5.4	1.06 H	88	42.60	6.00
3	#5722.00	58.6 PK	78.3	-19.7	1.33 H	207	52.60	6.00
4	#5725.00	48.5 PK	78.3	-29.8	1.08 H	44	42.50	6.00
5	*5745.00	113.3 PK			1.03 H	346	74.80	38.50
6	*5745.00	103.2 AV			1.03 H	346	64.70	38.50
7	11490.00	61.0 PK	74.0	-13.0	1.17 H	45	42.00	19.00
8	11490.00	47.8 AV	54.0	-6.2	1.17 H	45	28.80	19.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	69.9 PK	74.0	-4.1	1.10 V	12	63.90	6.00
2	#5714.00	49.5 AV	54.0	-4.5	1.10 V	12	43.50	6.00
3	#5722.00	76.5 PK	78.3	-1.8	1.00 V	8	70.50	6.00
4	#5725.00	59.2 PK	78.3	-19.1	1.08 V	16	53.20	6.00
5	*5745.00	116.5 PK			1.00 V	338	78.00	38.50
6	*5745.00	106.7 AV			1.00 V	338	68.20	38.50
7	11490.00	63.0 PK	74.0	-11.0	1.10 V	208	44.00	19.00
8	11490.00	49.0 AV	54.0	-5.0	1.10 V	208	30.00	19.00

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	120.9 PK			1.13 H	344	82.30	38.60
2	*5785.00	110.9 AV			1.13 H	344	72.30	38.60
3	11570.00	62.3 PK	74.0	-11.7	1.04 H	340	43.30	19.00
4	11570.00	50.6 AV	54.0	-3.4	1.04 H	340	31.60	19.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	123.7 PK			1.09 V	348	85.10	38.60
2	*5785.00	113.5 AV			1.09 V	348	74.90	38.60
3	11570.00	63.7 PK	74.0	-10.3	1.71 V	174	44.70	19.00
4	11570.00	51.8 AV	54.0	-2.2	1.71 V	174	32.80	19.00

REMARKS:

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

CHANNEL	TX Channel 165	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	A		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5825.00	114.5 PK			1.11 H	344	75.80	38.70
2	*5825.00	104.4 AV			1.11 H	344	65.70	38.70
3	#5850.00	45.2 PK	78.3	-33.1	1.32 H	55	39.00	6.20
4	#5853.00	57.0 PK	78.3	-21.3	1.29 H	87	50.60	6.40
5	#5861.00	57.1 PK	74.0	-16.9	1.09 H	44	50.70	6.40
6	#5861.00	46.6 AV	54.0	-7.4	1.09 H	44	40.20	6.40
7	11650.00	60.8 PK	74.0	-13.2	1.15 H	74	41.90	18.90
8	11650.00	48.8 AV	54.0	-5.2	1.15 H	74	29.90	18.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5825.00	117.3 PK			1.07 V	346	78.60	38.70
2	*5825.00	104.6 AV			1.07 V	346	65.90	38.70
3	#5850.00	54.8 PK	78.3	-23.5	1.08 V	357	48.60	6.20
4	#5853.00	77.0 PK	78.3	-1.3	1.07 V	342	70.60	6.40
5	#5861.00	58.8 PK	74.0	-15.2	1.67 V	360	52.40	6.40
6	#5861.00	47.7 AV	54.0	-6.3	1.67 V	360	41.30	6.40
7	11650.00	61.8 PK	74.0	-12.2	1.17 V	48	42.90	18.90
8	11650.00	49.3 AV	54.0	-4.7	1.17 V	48	30.40	18.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (20MHz)

CHANNEL	TX Channel 149	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	A		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	56.4 PK	74.0	-17.6	1.30 H	58	50.40	6.00
2	#5714.00	46.3 AV	54.0	-7.7	1.30 H	58	40.30	6.00
3	#5722.00	58.6 PK	78.3	-19.7	1.09 H	66	52.60	6.00
4	#5725.00	46.8 PK	78.3	-31.5	1.06 H	32	40.80	6.00
5	*5745.00	111.8 PK			1.00 H	16	73.30	38.50
6	*5745.00	102.2 AV			1.00 H	16	63.70	38.50
7	11490.00	61.0 PK	74.0	-13.0	1.16 H	30	42.00	19.00
8	11490.00	47.7 AV	54.0	-6.3	1.16 H	30	28.70	19.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	71.2 PK	74.0	-2.8	1.09 V	8	65.20	6.00
2	#5714.00	49.2 AV	54.0	-4.8	1.09 V	8	43.20	6.00
3	#5722.00	76.5 PK	78.3	-1.8	1.00 V	335	70.50	6.00
4	#5725.00	59.0 PK	78.3	-19.3	1.11 V	336	53.00	6.00
5	*5745.00	115.8 PK			1.01 V	352	77.30	38.50
6	*5745.00	105.6 AV			1.01 V	352	67.10	38.50
7	11490.00	62.0 PK	74.0	-12.0	1.17 V	45	43.00	19.00
8	11490.00	48.9 AV	54.0	-5.1	1.17 V	45	29.90	19.00

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	118.2 PK			1.00 H	18	79.60	38.60
2	*5785.00	108.4 AV			1.00 H	18	69.80	38.60
3	11570.00	60.6 PK	74.0	-13.4	1.15 H	20	41.60	19.00
4	11570.00	48.9 AV	54.0	-5.1	1.15 H	20	29.90	19.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	122.0 PK			1.01 V	350	83.40	38.60
2	*5785.00	112.1 AV			1.01 V	350	73.50	38.60
3	11570.00	64.3 PK	74.0	-9.7	1.04 V	158	45.30	19.00
4	11570.00	51.6 AV	54.0	-2.4	1.04 V	158	32.60	19.00

REMARKS:

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

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)
TEST MODE	A		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	114.5 PK			1.02 H	339	75.80	38.70
2	*5825.00	103.9 AV			1.02 H	339	65.20	38.70
3	#5850.00	45.0 PK	78.3	-33.3	1.08 H	74	38.80	6.20
4	#5853.00	59.0 PK	78.3	-19.3	1.33 H	208	52.60	6.40
5	#5861.00	58.3 PK	74.0	-15.7	1.03 H	22	51.90	6.40
6	#5861.00	48.7 AV	54.0	-5.3	1.03 H	22	42.30	6.40
7	11650.00	60.6 PK	74.0	-13.4	1.47 H	58	40.30	20.30
8	11650.00	48.8 AV	54.0	-5.2	1.47 H	58	28.50	20.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	116.3 PK			1.00 V	346	77.60	38.70
2	*5825.00	106.3 AV			1.00 V	346	67.60	38.70
3	#5850.00	57.6 PK	78.3	-20.7	1.00 V	358	51.40	6.20
4	#5853.00	77.0 PK	78.3	-1.3	1.14 V	342	70.60	6.40
5	#5861.00	68.0 PK	74.0	-6.0	1.29 V	0	61.60	6.40
6	#5861.00	47.3 AV	54.0	-6.7	1.29 V	0	40.90	6.40
7	11650.00	61.9 PK	74.0	-12.1	1.15 V	62	43.00	18.90
8	11650.00	50.9 AV	54.0	-3.1	1.15 V	62	32.00	18.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5755.00	108.1 PK			1.00 H	16	69.50	38.60
2	*5755.00	98.5 AV			1.00 H	16	59.90	38.60
3	#5850.00	47.1 PK	78.3	-31.2	1.08 H	74	40.90	6.20
4	#5853.00	60.0 PK	78.3	-18.3	1.12 H	39	53.60	6.40
5	#5861.00	58.1 PK	74.0	-15.9	1.22 H	302	51.70	6.40
6	#5861.00	47.9 AV	54.0	-6.1	1.22 H	302	41.50	6.40
7	11510.00	61.8 PK	74.0	-12.2	1.17 H	44	42.80	19.00
8	11510.00	47.8 AV	54.0	-6.2	1.17 H	44	28.80	19.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	70.0 PK	74.0	-4.0	1.00 V	10	64.00	6.00
2	#5714.00	52.7 AV	54.0	-1.3	1.00 V	10	46.70	6.00
3	#5722.00	76.6 PK	78.3	-1.7	1.00 V	325	70.60	6.00
4	#5725.00	58.6 PK	78.3	-19.7	1.08 V	55	52.60	6.00
5	*5755.00	111.4 PK			1.09 V	335	72.80	38.60
6	*5755.00	102.0 AV			1.09 V	335	63.40	38.60
7	11510.00	62.6 PK	74.0	-11.4	1.08 V	74	43.60	19.00
8	11510.00	51.4 AV	54.0	-2.6	1.08 V	74	32.40	19.00

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	112.4 PK			1.09 H	17	73.80	38.60
2	*5795.00	101.9 AV			1.09 H	17	63.30	38.60
3	#5850.00	46.5 PK	78.3	-31.8	1.23 H	54	40.30	6.20
4	#5853.00	59.6 PK	78.3	-18.7	1.08 H	129	53.20	6.40
5	#5861.00	57.6 PK	74.0	-16.4	1.08 H	208	51.20	6.40
6	#5861.00	47.9 AV	54.0	-6.1	1.08 H	208	41.50	6.40
7	11590.00	60.5 PK	74.0	-13.5	1.10 H	125	41.50	19.00
8	11590.00	49.0 AV	54.0	-5.0	1.10 H	125	30.00	19.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	114.1 PK			1.00 V	348	75.50	38.60
2	*5795.00	104.8 AV			1.00 V	348	66.20	38.60
3	#5850.00	57.6 PK	78.3	-20.7	1.05 V	22	51.40	6.20
4	#5853.00	76.7 PK	78.3	-1.6	1.09 V	342	70.30	6.40
5	#5861.00	71.6 PK	74.0	-2.4	1.06 V	346	65.20	6.40
6	#5861.00	52.2 AV	54.0	-1.8	1.06 V	346	45.80	6.40
7	11590.00	60.7 PK	74.0	-13.3	1.05 V	77	41.70	19.00
8	11590.00	49.1 AV	54.0	-4.9	1.05 V	77	30.10	19.00

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (80MHz)

CHANNEL	TX Channel 155	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	A		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5714.00	64.9 PK	74.0	-9.1	1.08 H	55	58.90	6.00
2	#5714.00	48.8 AV	54.0	-5.2	1.08 H	55	42.80	6.00
3	#5722.00	66.4 PK	78.3	-11.9	1.33 H	12	60.40	6.00
4	#5725.00	69.9 PK	78.3	-8.4	1.23 H	65	63.90	6.00
5	*5775.00	112.7 PK			1.14 H	19	74.10	38.60
6	*5775.00	103.3 AV			1.14 H	19	64.70	38.60
7	#5850.00	57.2 PK	78.3	-21.1	1.14 H	129	51.00	6.20
8	#5853.00	66.8 PK	78.3	-11.5	1.06 H	33	60.40	6.40
9	#5861.00	60.1 PK	68.3	-8.2	1.06 H	33	53.70	6.40
10	11550.00	60.9 PK	74.0	-13.1	1.05 H	148	41.90	19.00
11	11550.00	47.8 AV	54.0	-6.2	1.05 H	148	28.80	19.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5714.00	69.7 PK	74.0	-4.3	1.00 V	337	63.70	6.00
2	#5714.00	52.3 AV	54.0	-1.7	1.00 V	337	46.30	6.00
3	#5722.00	71.6 PK	78.3	-6.7	1.08 V	334	65.60	6.00
4	#5725.00	58.6 PK	78.3	-19.7	1.28 V	74	52.60	6.00
5	*5775.00	115.0 PK			1.09 V	334	76.40	38.60
6	*5775.00	105.8 AV			1.09 V	334	67.20	38.60
7	#5850.00	56.9 PK	78.3	-21.4	1.28 V	47	50.70	6.20
8	#5850.00	58.1 PK	78.3	-20.2	1.08 V	145	51.90	6.20
9	#5861.00	60.0 PK	74.0	-14.0	1.15 V	47	53.60	6.40
10	#5861.00	47.9 AV	54.0	-6.1	1.15 V	47	41.50	6.40
11	11550.00	61.6 PK	74.0	-12.4	1.08 V	57	42.60	19.00
12	11550.00	49.4 AV	54.0	-4.6	1.08 V	57	30.40	19.00

REMARKS:

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

TEST MODE B

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	64.7 PK	74.0	-9.3	1.26 H	351	59.60	5.10
2	5150.00	52.2 AV	54.0	-1.8	1.26 H	351	47.10	5.10
3	*5180.00	118.9 PK			1.17 H	352	81.20	37.70
4	*5180.00	108.9 AV			1.17 H	352	71.20	37.70
5	#10360.00	61.0 PK	74.0	-13.0	1.05 H	96	42.70	18.30
6	#10360.00	48.7 AV	54.0	-5.3	1.05 H	96	30.40	18.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	67.2 PK	74.0	-6.8	1.12 V	348	62.10	5.10
2	5150.00	52.9 AV	54.0	-1.1	1.12 V	348	47.80	5.10
3	*5180.00	122.3 PK			1.11 V	349	84.60	37.70
4	*5180.00	111.4 AV			1.11 V	349	73.70	37.70
5	#10360.00	60.2 PK	74.0	-13.8	1.17 V	45	41.90	18.30
6	#10360.00	48.0 AV	54.0	-6.0	1.17 V	45	29.70	18.30

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	60.3 PK	74.0	-13.7	1.25 H	353	55.20	5.10
2	5150.00	49.9 AV	54.0	-4.1	1.25 H	353	44.80	5.10
3	*5200.00	121.1 PK			1.23 H	351	83.30	37.80
4	*5200.00	111.4 AV			1.23 H	351	73.60	37.80
5	#10400.00	60.0 PK	74.0	-14.0	1.07 H	128	41.30	18.70
6	#10400.00	48.6 AV	54.0	-5.4	1.07 H	128	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	5150.00	64.7 PK	74.0	-9.3	1.12 V	351	59.60	5.10
2	5150.00	52.3 AV	54.0	-1.7	1.12 V	351	47.20	5.10
3	*5200.00	125.5 PK			1.10 V	351	87.70	37.80
4	*5200.00	113.9 AV			1.10 V	351	76.10	37.80
5	#10400.00	61.3 PK	74.0	-12.7	1.05 V	74	42.60	18.70
6	#10400.00	49.3 AV	54.0	-4.7	1.05 V	74	30.60	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)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	122.5 PK			1.16 H	351	84.60	37.90
2	*5240.00	112.0 AV			1.16 H	351	74.10	37.90
3	5350.00	63.2 PK	74.0	-10.8	1.22 H	354	57.80	5.40
4	5350.00	49.6 AV	54.0	-4.4	1.22 H	354	44.20	5.40
5	#10480.00	61.1 PK	74.0	-12.9	1.23 H	85	41.60	19.50
6	#10480.00	49.4 AV	54.0	-4.6	1.23 H	85	29.90	19.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	125.3 PK			1.09 V	349	87.40	37.90
2	*5240.00	114.0 AV			1.09 V	349	76.10	37.90
3	5350.00	64.0 PK	74.0	-10.0	1.10 V	350	58.60	5.40
4	5350.00	52.2 AV	54.0	-1.8	1.10 V	350	46.80	5.40
5	#10480.00	62.1 PK	74.0	-11.9	1.17 V	45	42.60	19.50
6	#10480.00	50.0 AV	54.0	-4.0	1.17 V	45	30.50	19.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (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	61.9 PK	74.0	-12.1	1.20 H	352	56.80	5.10
2	5150.00	50.0 AV	54.0	-4.0	1.20 H	352	44.90	5.10
3	*5180.00	117.0 PK			1.14 H	353	79.30	37.70
4	*5180.00	106.6 AV			1.14 H	353	68.90	37.70
5	#10360.00	60.0 PK	74.0	-14.0	1.07 H	48	41.70	18.30
6	#10360.00	46.1 AV	54.0	-7.9	1.07 H	48	27.80	18.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	66.3 PK	74.0	-7.7	1.09 V	349	61.20	5.10
2	5150.00	52.8 AV	54.0	-1.2	1.09 V	349	47.70	5.10
3	*5180.00	121.2 PK			1.08 V	350	83.50	37.70
4	*5180.00	111.2 AV			1.08 V	350	73.50	37.70
5	#10360.00	60.9 PK	74.0	-13.1	1.17 V	48	42.60	18.30
6	#10360.00	47.8 AV	54.0	-6.2	1.17 V	48	29.50	18.30

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (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	61.5 PK	74.0	-12.5	1.22 H	352	56.40	5.10
2	5150.00	49.5 AV	54.0	-4.5	1.22 H	352	44.40	5.10
3	*5200.00	119.6 PK			1.20 H	352	81.80	37.80
4	*5200.00	109.2 AV			1.20 H	352	71.40	37.80
5	#10400.00	60.1 PK	74.0	-13.9	1.12 H	30	41.40	18.70
6	#10400.00	46.3 AV	54.0	-7.7	1.12 H	30	27.60	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	*5200.00	124.0 PK			1.12 V	349	86.20	37.80
2	*5200.00	113.2 AV			1.12 V	349	75.40	37.80
3	#5715.00	65.7 PK	74.0	-8.3	1.10 V	350	59.70	6.00
4	#5715.00	52.4 AV	54.0	-1.6	1.10 V	350	46.40	6.00
5	#10400.00	60.3 PK	74.0	-13.7	1.18 V	123	41.60	18.70
6	#10400.00	47.4 AV	54.0	-6.6	1.18 V	123	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)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	120.8 PK			1.19 H	351	82.90	37.90
2	*5240.00	110.4 AV			1.19 H	351	72.50	37.90
3	5350.00	61.9 PK	74.0	-12.1	1.20 H	351	56.50	5.40
4	5350.00	49.4 AV	54.0	-4.6	1.20 H	351	44.00	5.40
5	#10480.00	61.1 PK	74.0	-12.9	1.05 H	66	41.60	19.50
6	#10480.00	48.2 AV	54.0	-5.8	1.05 H	66	28.70	19.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	124.2 PK			1.05 V	350	86.30	37.90
2	*5240.00	114.5 AV			1.05 V	350	76.60	37.90
3	5350.00	64.6 PK	74.0	-9.4	1.00 V	349	59.20	5.40
4	5350.00	52.4 AV	54.0	-1.6	1.00 V	349	47.00	5.40
5	#10480.00	61.8 PK	74.0	-12.2	1.17 V	45	42.30	19.50
6	#10480.00	48.5 AV	54.0	-5.5	1.17 V	45	29.00	19.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	63.1 PK	74.0	-10.9	1.14 H	352	58.00	5.10
2	5150.00	50.1 AV	54.0	-3.9	1.14 H	352	45.00	5.10
3	*5190.00	110.2 PK			1.17 H	351	72.40	37.80
4	*5190.00	98.9 AV			1.17 H	351	61.10	37.80
5	5350.00	57.3 PK	74.0	-16.7	1.16 H	0	51.90	5.40
6	5350.00	46.9 AV	54.0	-7.1	1.16 H	0	41.50	5.40
7	#6920.00	54.2 PK	74.0	-19.8	1.09 H	300	43.00	11.20
8	#6920.00	43.2 AV	54.0	-10.8	1.09 H	300	32.00	11.20
9	#10380.00	61.0 PK	74.0	-13.0	1.00 H	209	42.60	18.40
10	#10380.00	47.8 AV	54.0	-6.2	1.00 H	209	29.40	18.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	67.9 PK	74.0	-6.1	1.00 V	350	62.80	5.10
2	**5150.00**	**53.0 AV**	**54.0**	**-1.0**	**1.00 V**	**350**	**47.90**	**5.10**
3	*5190.00	114.2 PK			1.07 V	351	76.40	37.80
4	*5190.00	103.4 AV			1.07 V	351	65.60	37.80
5	5350.00	63.0 PK	74.0	-11.0	1.07 V	350	57.60	5.40
6	5350.00	51.8 AV	54.0	-2.2	1.07 V	350	46.40	5.40
7	#6920.00	56.8 PK	74.0	-17.2	1.07 V	332	45.60	11.20
8	#6920.00	48.8 AV	54.0	-5.2	1.07 V	332	37.60	11.20
9	#10380.00	62.2 PK	74.0	-11.8	1.10 V	359	43.80	18.40
10	#10380.00	49.1 AV	54.0	-4.9	1.10 V	359	30.70	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)
3. The other emission levels were very low against the 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		
TEST MODE	B		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	60.2 PK	74.0	-13.8	1.08 H	350	55.10	5.10
2	5150.00	48.3 AV	54.0	-5.7	1.08 H	350	43.20	5.10
3	*5230.00	118.9 PK			1.13 H	351	81.00	37.90
4	*5230.00	107.7 AV			1.13 H	351	69.80	37.90
5	5350.00	61.6 PK	74.0	-12.4	1.13 H	351	56.20	5.40
6	5350.00	48.9 AV	54.0	-5.1	1.13 H	351	43.50	5.40
7	#10460.00	61.2 PK	74.0	-12.8	1.08 H	296	42.00	19.20
8	#10460.00	48.2 AV	54.0	-5.8	1.08 H	296	29.00	19.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	62.7 PK	74.0	-11.3	1.02 V	349	57.60	5.10
2	5150.00	51.2 AV	54.0	-2.8	1.02 V	349	46.10	5.10
3	*5230.00	122.4 PK			1.02 V	350	84.50	37.90
4	*5230.00	111.8 AV			1.02 V	350	73.90	37.90
5	5350.00	64.7 PK	74.0	-9.3	1.09 V	350	59.30	5.40
6	5350.00	52.2 AV	54.0	-1.8	1.09 V	350	46.80	5.40
7	#10460.00	62.3 PK	74.0	-11.7	1.18 V	13	43.10	19.20
8	#10460.00	49.4 AV	54.0	-4.6	1.18 V	13	30.20	19.20

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	66.7 PK	74.0	-7.3	1.11 H	351	61.60	5.10
2	5150.00	50.3 AV	54.0	-3.7	1.11 H	351	45.20	5.10
3	*5210.00	104.9 PK			1.10 H	351	67.10	37.80
4	*5210.00	93.0 AV			1.10 H	351	55.20	37.80
5	5350.00	58.4 PK	74.0	-15.6	1.10 H	350	53.00	5.40
6	5350.00	47.0 AV	54.0	-7.0	1.10 H	350	41.60	5.40
7	#10420.00	61.0 PK	74.0	-13.0	1.19 H	19	42.20	18.80
8	#10420.00	47.9 AV	54.0	-6.1	1.19 H	19	29.10	18.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	70.4 PK	74.0	-3.6	1.06 V	352	65.30	5.10
2	5150.00	52.7 AV	54.0	-1.3	1.06 V	352	47.60	5.10
3	*5210.00	107.8 PK			1.09 V	350	70.00	37.80
4	*5210.00	97.1 AV			1.09 V	350	59.30	37.80
5	5350.00	60.0 PK	74.0	-14.0	1.06 V	348	54.60	5.40
6	5350.00	47.8 AV	54.0	-6.2	1.06 V	348	42.40	5.40
7	#10420.00	62.1 PK	74.0	-11.9	1.11 V	301	43.30	18.80
8	#10420.00	48.6 AV	54.0	-5.4	1.11 V	301	29.80	18.80

REMARKS:

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

802.11a

CHANNEL	TX Channel 149	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	B		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5400.00	57.8 PK	74.0	-16.2	1.07 H	307	52.40	5.40
2	5400.00	47.1 AV	54.0	-6.9	1.07 H	307	41.70	5.40
3	#5714.00	59.5 PK	74.0	-14.5	1.09 H	353	53.50	6.00
4	#5714.00	48.5 AV	54.0	-5.5	1.09 H	353	42.50	6.00
5	#5722.00	73.8 PK	78.3	-4.5	1.11 H	354	67.80	6.00
6	#5725.00	63.0 PK	78.3	-15.3	1.09 H	355	57.00	6.00
7	*5745.00	117.1 PK			1.09 H	353	78.60	38.50
8	*5745.00	104.6 AV			1.09 H	353	66.10	38.50
9	11490.00	62.9 PK	74.0	-11.1	1.00 H	290	42.50	20.40
10	11490.00	49.4 AV	54.0	-4.6	1.00 H	290	29.00	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5400.00	64.1 PK	74.0	-9.9	1.11 V	350	58.70	5.40
2	5400.00	51.6 AV	54.0	-2.4	1.11 V	350	46.20	5.40
3	#5714.00	67.7 PK	74.0	-6.3	1.10 V	350	61.70	6.00
4	#5714.00	51.8 AV	54.0	-2.2	1.10 V	350	45.80	6.00
5	#5722.00	76.7 PK	78.3	-1.6	1.10 V	350	70.70	6.00
6	#5725.00	70.3 PK	78.3	-8.0	1.00 V	351	64.30	6.00
7	*5745.00	119.7 PK			1.06 V	351	81.20	38.50
8	*5745.00	108.9 AV			1.06 V	351	70.40	38.50
9	11490.00	63.5 PK	74.0	-10.5	1.07 V	330	43.10	20.40
10	11490.00	50.0 AV	54.0	-4.0	1.07 V	330	29.60	20.40

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5400.00	59.9 PK	74.0	-14.1	1.08 H	348	54.50	5.40
2	5400.00	49.2 AV	54.0	-4.8	1.08 H	348	43.80	5.40
3	#5714.00	63.7 PK	74.0	-10.3	1.08 H	352	57.70	6.00
4	#5714.00	49.9 AV	54.0	-4.1	1.08 H	352	43.90	6.00
5	*5785.00	116.1 PK			1.08 H	352	77.50	38.60
6	*5785.00	104.3 AV			1.08 H	352	65.70	38.60
7	11570.00	62.6 PK	74.0	-11.4	1.08 H	17	42.20	20.40
8	11570.00	48.9 AV	54.0	-5.1	1.08 H	17	28.50	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5380.00	66.4 PK	74.0	-7.6	1.09 V	350	61.00	5.40
2	5380.00	52.0 AV	54.0	-2.0	1.09 V	350	46.60	5.40
3	#5714.00	66.6 PK	74.0	-7.4	1.09 V	350	60.60	6.00
4	#5714.00	52.2 AV	54.0	-1.8	1.09 V	350	46.20	6.00
5	*5785.00	120.2 PK			1.08 V	350	81.60	38.60
6	*5785.00	109.3 AV			1.08 V	350	70.70	38.60
7	11570.00	63.2 PK	74.0	-10.8	1.18 V	356	42.80	20.40
8	11570.00	49.5 AV	54.0	-4.5	1.18 V	356	29.10	20.40

REMARKS:

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

CHANNEL	TX Channel 165	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	B		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5400.00	59.6 PK	74.0	-14.4	1.00 H	347	54.20	5.40
2	5400.00	48.8 AV	54.0	-5.2	1.00 H	347	43.40	5.40
3	#5700.00	63.3 PK	74.0	-10.7	1.09 H	352	57.30	6.00
4	#5700.00	50.5 AV	54.0	-3.5	1.09 H	352	44.50	6.00
5	*5825.00	114.9 PK			1.07 H	353	76.20	38.70
6	*5825.00	103.2 AV			1.07 H	353	64.50	38.70
7	#5850.00	63.5 PK	78.3	-14.8	1.08 H	355	57.30	6.20
8	#5853.00	66.2 PK	78.3	-12.1	1.11 H	350	59.80	6.40
9	11650.00	62.7 PK	74.0	-11.3	1.21 H	303	42.40	20.30
10	11650.00	48.5 AV	54.0	-5.5	1.21 H	303	28.20	20.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5400.00	64.3 PK	74.0	-9.7	1.06 V	349	58.90	5.40
2	5400.00	51.9 AV	54.0	-2.1	1.06 V	349	46.50	5.40
3	#5700.00	66.5 PK	74.0	-7.5	1.08 V	351	60.50	6.00
4	#5700.00	52.1 AV	54.0	-1.9	1.08 V	351	46.10	6.00
5	*5825.00	118.5 PK			1.09 V	352	79.80	38.70
6	*5825.00	107.9 AV			1.09 V	352	69.20	38.70
7	#5850.00	73.2 PK	78.3	-5.1	1.07 V	350	67.00	6.20
8	#5853.00	69.3 PK	78.3	-9.0	1.06 V	349	62.90	6.40
9	11650.00	63.1 PK	74.0	-10.9	1.00 V	23	42.80	20.30
10	11650.00	49.2 AV	54.0	-4.8	1.00 V	23	28.90	20.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (20MHz)

CHANNEL	TX Channel 149	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	B		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5380.00	60.0 PK	74.0	-14.0	1.08 H	356	54.60	5.40
2	5380.00	48.5 AV	54.0	-5.5	1.08 H	356	43.10	5.40
3	#5714.00	63.1 PK	74.0	-10.9	1.13 H	353	57.10	6.00
4	#5714.00	48.6 AV	54.0	-5.4	1.13 H	353	42.60	6.00
5	#5722.00	74.5 PK	78.3	-3.8	1.11 H	349	68.50	6.00
6	#5725.00	68.7 PK	78.3	-9.6	1.13 H	352	62.70	6.00
7	*5745.00	115.2 PK			1.13 H	352	76.70	38.50
8	*5745.00	103.9 AV			1.13 H	352	65.40	38.50
9	11490.00	62.8 PK	74.0	-11.2	1.23 H	26	42.40	20.40
10	11490.00	48.6 AV	54.0	-5.4	1.23 H	26	28.20	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5380.00	63.4 PK	74.0	-10.6	1.10 V	351	58.00	5.40
2	5380.00	51.0 AV	54.0	-3.0	1.10 V	351	45.60	5.40
3	#5714.00	68.1 PK	74.0	-5.9	1.10 V	350	62.10	6.00
4	#5714.00	52.5 AV	54.0	-1.5	1.10 V	350	46.50	6.00
5	#5721.00	76.4 PK	78.3	-1.9	1.10 V	350	70.40	6.00
6	#5725.00	68.0 PK	78.3	-10.3	1.11 V	353	62.00	6.00
7	*5745.00	118.7 PK			1.02 V	350	80.20	38.50
8	*5745.00	108.1 AV			1.02 V	350	69.60	38.50
9	11490.00	63.1 PK	74.0	-10.9	1.18 V	286	42.70	20.40
10	11490.00	49.0 AV	54.0	-5.0	1.18 V	286	28.60	20.40

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5400.00	58.9 PK	74.0	-15.1	1.02 H	23	53.50	5.40
2	5400.00	47.6 AV	54.0	-6.4	1.02 H	23	42.20	5.40
3	#5714.00	61.0 PK	74.0	-13.0	1.05 H	348	55.00	6.00
4	#5714.00	49.5 AV	54.0	-4.5	1.05 H	348	43.50	6.00
5	*5785.00	114.6 PK			1.10 H	351	76.00	38.60
6	*5785.00	103.8 AV			1.10 H	351	65.20	38.60
7	11570.00	61.4 PK	74.0	-12.6	1.03 H	192	41.00	20.40
8	11570.00	48.4 AV	54.0	-5.6	1.03 H	192	28.00	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5400.00	63.2 PK	74.0	-10.8	1.07 V	349	57.80	5.40
2	5400.00	50.8 AV	54.0	-3.2	1.07 V	349	45.40	5.40
3	#5714.00	66.3 PK	74.0	-7.7	1.07 V	351	60.30	6.00
4	#5714.00	52.2 AV	54.0	-1.8	1.07 V	351	46.20	6.00
5	*5785.00	118.8 PK			1.06 V	352	80.20	38.60
6	*5785.00	108.4 AV			1.06 V	352	69.80	38.60
7	11570.00	61.7 PK	74.0	-12.3	1.23 V	42	41.30	20.40
8	11570.00	48.8 AV	54.0	-5.2	1.23 V	42	28.40	20.40

REMARKS:

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

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)
TEST MODE	B		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5400.00	58.5 PK	74.0	-15.5	1.00 H	358	53.10	5.40
2	5400.00	48.0 AV	54.0	-6.0	1.00 H	358	42.60	5.40
3	#5700.00	61.0 PK	74.0	-13.0	1.11 H	347	55.00	6.00
4	#5700.00	49.2 AV	54.0	-4.8	1.11 H	347	43.20	6.00
5	#5823.00	64.5 PK	78.3	-13.8	1.05 H	359	58.30	6.20
6	*5825.00	114.1 PK			1.06 H	352	75.40	38.70
7	*5825.00	102.9 AV			1.06 H	352	64.20	38.70
8	#5850.00	65.9 PK	78.3	-12.4	1.04 H	353	59.70	6.20
9	11650.00	61.3 PK	74.0	-12.7	1.03 H	9	41.00	20.30
10	11650.00	47.8 AV	54.0	-6.2	1.03 H	9	27.50	20.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5400.00	63.5 PK	74.0	-10.5	1.00 V	350	58.10	5.40
2	5400.00	50.7 AV	54.0	-3.3	1.00 V	350	45.30	5.40
3	#5700.00	64.9 PK	74.0	-9.1	1.11 V	349	58.90	6.00
4	#5700.00	52.3 AV	54.0	-1.7	1.11 V	349	46.30	6.00
5	*5825.00	118.3 PK			1.07 V	350	79.60	38.70
6	*5825.00	107.6 AV			1.07 V	350	68.90	38.70
7	#5850.00	68.9 PK	78.3	-9.4	1.09 V	355	62.70	6.20
8	#5853.00	69.5 PK	78.3	-8.8	1.11 V	353	63.10	6.40
9	11650.00	61.4 PK	74.0	-12.6	1.33 V	289	41.10	20.30
10	11650.00	48.1 AV	54.0	-5.9	1.33 V	289	27.80	20.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5400.00	57.7 PK	74.0	-16.3	1.00 H	11	52.30	5.40
2	5400.00	46.5 AV	54.0	-7.5	1.00 H	11	41.10	5.40
3	#5714.00	61.2 PK	74.0	-12.8	1.01 H	352	55.20	6.00
4	#5714.00	49.5 AV	54.0	-4.5	1.01 H	352	43.50	6.00
5	#5722.00	75.6 PK	78.3	-2.7	1.00 H	355	69.60	6.00
6	#5725.00	73.7 PK	78.3	-4.6	1.06 H	351	67.70	6.00
7	*5755.00	109.8 PK			1.07 H	352	71.20	38.60
8	*5755.00	98.7 AV			1.07 H	352	60.10	38.60
9	11650.00	62.0 PK	74.0	-12.0	1.10 H	66	41.70	20.30
10	11650.00	48.0 AV	54.0	-6.0	1.10 H	66	27.70	20.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5400.00	64.1 PK	74.0	-9.9	1.10 V	350	58.70	5.40
2	5400.00	51.1 AV	54.0	-2.9	1.10 V	350	45.70	5.40
3	#5714.00	66.9 PK	74.0	-7.1	1.06 V	352	60.90	6.00
4	#5714.00	53.0 AV	54.0	-1.0	1.06 V	352	47.00	6.00
5	#5722.00	76.6 PK	78.3	-1.7	1.08 V	350	70.60	6.00
6	#5725.00	66.7 PK	78.3	-11.6	1.08 V	352	60.70	6.00
7	*5755.00	114.2 PK			1.07 V	351	75.60	38.60
8	*5755.00	103.3 AV			1.07 V	351	64.70	38.60
9	11650.00	62.3 PK	74.0	-11.7	1.13 V	354	42.00	20.30
10	11650.00	48.3 AV	54.0	-5.7	1.13 V	354	28.00	20.30

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5400.00	58.3 PK	74.0	-15.7	1.09 H	355	52.90	5.40
2	5400.00	47.2 AV	54.0	-6.8	1.09 H	355	41.80	5.40
3	#5714.00	61.1 PK	74.0	-12.9	1.01 H	347	55.10	6.00
4	#5714.00	49.3 AV	54.0	-4.7	1.01 H	347	43.30	6.00
5	*5795.00	112.8 PK			1.09 H	353	74.20	38.60
6	*5795.00	101.2 AV			1.09 H	353	62.60	38.60
7	#5850.00	73.6 PK	78.3	-4.7	1.09 H	350	67.40	6.20
8	11590.00	61.3 PK	74.0	-12.7	1.14 H	277	40.90	20.40
9	11590.00	48.0 AV	54.0	-6.0	1.14 H	277	27.60	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5400.00	62.4 PK	74.0	-11.6	1.09 V	353	57.00	5.40
2	5400.00	51.1 AV	54.0	-2.9	1.09 V	353	45.70	5.40
3	#5714.00	65.6 PK	74.0	-8.4	1.07 V	351	59.60	6.00
4	#5714.00	52.4 AV	54.0	-1.6	1.07 V	351	46.40	6.00
5	*5795.00	116.0 PK			1.09 V	350	77.40	38.60
6	*5795.00	105.3 AV			1.09 V	350	66.70	38.60
7	#5850.00	63.4 PK	78.3	-14.9	1.07 V	348	57.20	6.20
8	11590.00	62.0 PK	74.0	-12.0	1.23 V	69	41.60	20.40
9	11590.00	48.3 AV	54.0	-5.7	1.23 V	69	27.90	20.40

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (80MHz)

CHANNEL	TX Channel 155	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	B		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	65.8 PK	74.0	-8.2	1.10 H	352	59.80	6.00
2	#5714.00	50.9 AV	54.0	-3.1	1.10 H	352	44.90	6.00
3	#5722.00	72.0 PK	78.3	-6.3	1.10 H	353	66.00	6.00
4	#5725.00	72.5 PK	78.3	-5.8	1.13 H	356	66.50	6.00
5	*5775.00	101.7 PK			1.10 H	353	63.10	38.60
6	*5775.00	90.1 AV			1.10 H	353	51.50	38.60
7	#5850.00	57.6 PK	78.3	-20.7	1.07 H	346	51.40	6.20
8	11550.00	61.9 PK	74.0	-12.1	1.12 H	39	41.50	20.40
9	11550.00	48.0 AV	54.0	-6.0	1.12 H	39	27.60	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	69.8 PK	74.0	-4.2	1.09 V	349	63.80	6.00
2	#5714.00	52.6 AV	54.0	-1.4	1.09 V	349	46.60	6.00
3	#5722.00	74.0 PK	78.3	-4.3	1.10 V	351	68.00	6.00
4	#5725.00	74.7 PK	78.3	-3.6	1.08 V	350	68.70	6.00
5	*5775.00	107.4 PK			1.08 V	351	68.80	38.60
6	*5775.00	95.0 AV			1.08 V	351	56.40	38.60
7	#5850.00	61.6 PK	78.3	-16.7	1.00 V	350	55.40	6.20
8	11550.00	62.2 PK	74.0	-11.8	1.24 V	288	41.80	20.40
9	11550.00	48.4 AV	54.0	-5.6	1.24 V	288	28.00	20.40

REMARKS:

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

TEST MODE C

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (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	61.3 PK	74.0	-12.7	1.01 H	352	56.20	5.10
2	5150.00	49.9 AV	54.0	-4.1	1.01 H	352	44.80	5.10
3	*5180.00	119.1 PK			1.09 H	354	81.40	37.70
4	*5180.00	107.7 AV			1.09 H	354	70.00	37.70
5	#10360.00	61.0 PK	74.0	-13.0	1.15 H	78	42.70	18.30
6	#10360.00	48.7 AV	54.0	-5.3	1.15 H	78	30.40	18.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	61.1 PK	74.0	-12.9	1.12 V	351	56.00	5.10
2	5150.00	49.5 AV	54.0	-4.5	1.12 V	351	44.40	5.10
3	*5180.00	110.6 PK			1.11 V	357	72.90	37.70
4	*5180.00	100.3 AV			1.11 V	357	62.60	37.70
5	#10360.00	60.2 PK	74.0	-13.8	1.10 V	25	41.90	18.30
6	#10360.00	48.2 AV	54.0	-5.8	1.10 V	25	29.90	18.30

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5200.00	118.2 PK			1.09 H	352	80.40	37.80
2	*5200.00	108.2 AV			1.09 H	352	70.40	37.80
3	#10400.00	61.4 PK	74.0	-12.6	1.23 H	85	42.70	18.70
4	#10400.00	49.1 AV	54.0	-4.9	1.23 H	85	30.40	18.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5200.00	109.9 PK			1.01 V	346	72.10	37.80
2	*5200.00	99.0 AV			1.01 V	346	61.20	37.80
3	#10400.00	60.6 PK	74.0	-13.4	1.15 V	78	41.90	18.70
4	#10400.00	47.6 AV	54.0	-6.4	1.15 V	78	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)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	119.0 PK			1.07 H	350	81.10	37.90
2	*5240.00	107.9 AV			1.07 H	350	70.00	37.90
3	5350.00	57.1 PK	74.0	-16.9	1.05 H	250	51.70	5.40
4	5350.00	46.9 AV	54.0	-7.1	1.05 H	250	41.50	5.40
5	#10480.00	62.1 PK	74.0	-11.9	1.05 H	47	42.60	19.50
6	#10480.00	49.5 AV	54.0	-4.5	1.05 H	47	30.00	19.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	112.7 PK			1.41 V	351	74.80	37.90
2	*5240.00	102.0 AV			1.41 V	351	64.10	37.90
3	5350.00	57.1 PK	74.0	-16.9	1.23 V	208	51.70	5.40
4	5350.00	45.3 AV	54.0	-8.7	1.23 V	208	39.90	5.40
5	#10480.00	62.0 PK	74.0	-12.0	1.05 V	88	42.50	19.50
6	#10480.00	48.2 AV	54.0	-5.8	1.05 V	88	28.70	19.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (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	61.8 PK	74.0	-12.2	1.11 H	350	56.70	5.10
2	5150.00	50.1 AV	54.0	-3.9	1.11 H	350	45.00	5.10
3	*5180.00	118.3 PK			1.00 H	351	80.60	37.70
4	*5180.00	107.4 AV			1.00 H	351	69.70	37.70
5	#10360.00	61.0 PK	74.0	-13.0	1.05 H	78	42.70	18.30
6	#10360.00	48.7 AV	54.0	-5.3	1.05 H	78	30.40	18.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	61.4 PK	74.0	-12.6	1.45 V	351	56.30	5.10
2	5150.00	50.2 AV	54.0	-3.8	1.45 V	351	45.10	5.10
3	*5180.00	110.2 PK			1.14 V	346	72.50	37.70
4	*5180.00	100.1 AV			1.14 V	346	62.40	37.70
5	#10360.00	59.5 PK	74.0	-14.5	1.14 V	78	41.20	18.30
6	#10360.00	48.2 AV	54.0	-5.8	1.14 V	78	29.90	18.30

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5200.00	118.5 PK			1.10 H	350	80.70	37.80
2	*5200.00	108.1 AV			1.10 H	350	70.30	37.80
3	#10400.00	61.3 PK	74.0	-12.7	1.07 H	44	42.60	18.70
4	#10400.00	48.8 AV	54.0	-5.2	1.07 H	44	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	*5200.00	109.9 PK			1.06 V	33	72.10	37.80
2	*5200.00	99.2 AV			1.06 V	33	61.40	37.80
3	#10400.00	59.7 PK	74.0	-14.3	1.23 V	147	41.00	18.70
4	#10400.00	48.6 AV	54.0	-5.4	1.23 V	147	29.90	18.70

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	118.2 PK			1.10 H	348	80.30	37.90
2	*5240.00	108.3 AV			1.10 H	348	70.40	37.90
3	5350.00	57.4 PK	74.0	-16.6	1.05 H	88	52.00	5.40
4	5350.00	47.7 AV	54.0	-6.3	1.05 H	88	42.30	5.40
5	#10480.00	61.6 PK	74.0	-12.4	1.22 H	3	42.10	19.50
6	#10480.00	49.6 AV	54.0	-4.4	1.22 H	3	30.10	19.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	112.9 PK			1.45 V	355	75.00	37.90
2	*5240.00	102.4 AV			1.45 V	355	64.50	37.90
3	5350.00	56.8 PK	74.0	-17.2	1.25 V	310	51.40	5.40
4	5350.00	45.5 AV	54.0	-8.5	1.25 V	310	40.10	5.40
5	#10480.00	60.8 PK	74.0	-13.2	1.15 V	201	41.30	19.50
6	#10480.00	48.3 AV	54.0	-5.7	1.15 V	201	28.80	19.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	64.0 PK	74.0	-10.0	1.10 H	351	58.90	5.10
2	5150.00	52.2 AV	54.0	-1.8	1.10 H	351	47.10	5.10
3	*5190.00	110.7 PK			1.09 H	346	72.90	37.80
4	*5190.00	101.0 AV			1.09 H	346	63.20	37.80
5	#10380.00	61.2 PK	74.0	-12.8	1.16 H	20	42.80	18.40
6	#10380.00	48.8 AV	54.0	-5.2	1.16 H	20	30.40	18.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	64.0 PK	74.0	-10.0	1.00 V	349	58.90	5.10
2	5150.00	52.5 AV	54.0	-1.5	1.00 V	349	47.40	5.10
3	*5190.00	102.0 PK			1.24 V	347	64.20	37.80
4	*5190.00	93.4 AV			1.24 V	347	55.60	37.80
5	#10380.00	60.0 PK	74.0	-14.0	1.17 V	48	41.60	18.40
6	#10380.00	47.8 AV	54.0	-6.2	1.17 V	48	29.40	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)
3. The other emission levels were very low against the 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		
TEST MODE	C		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (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	115.6 PK			1.06 H	352	77.70	37.90
2	*5230.00	105.0 AV			1.06 H	352	67.10	37.90
3	5350.00	58.4 PK	74.0	-15.6	1.13 H	58	53.00	5.40
4	5350.00	45.9 AV	54.0	-8.1	1.13 H	58	40.50	5.40
5	#10460.00	61.2 PK	74.0	-12.8	1.17 H	88	42.00	19.20
6	#10460.00	47.9 AV	54.0	-6.1	1.17 H	88	28.70	19.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5230.00	108.6 PK			1.22 V	355	70.70	37.90
2	*5230.00	99.2 AV			1.22 V	355	61.30	37.90
3	5350.00	59.0 PK	74.0	-15.0	1.06 V	206	53.60	5.40
4	5350.00	47.0 AV	54.0	-7.0	1.06 V	206	41.60	5.40
5	#10460.00	61.9 PK	74.0	-12.1	1.05 V	89	42.70	19.20
6	#10460.00	49.6 AV	54.0	-4.4	1.05 V	89	30.40	19.20

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	65.0 PK	74.0	-9.0	1.09 H	351	59.90	5.10
2	5150.00	52.7 AV	54.0	-1.3	1.09 H	351	47.60	5.10
3	*5210.00	104.4 PK			1.08 H	352	66.60	37.80
4	*5210.00	94.2 AV			1.08 H	352	56.40	37.80
5	#10420.00	60.8 PK	74.0	-13.2	1.22 H	74	42.00	18.80
6	#10420.00	48.7 AV	54.0	-5.3	1.22 H	74	29.90	18.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	63.5 PK	74.0	-10.5	1.40 V	351	58.40	5.10
2	5150.00	52.2 AV	54.0	-1.8	1.40 V	351	47.10	5.10
3	*5210.00	98.4 PK			1.38 V	352	60.60	37.80
4	*5210.00	88.9 AV			1.38 V	352	51.10	37.80
5	#10420.00	61.1 PK	74.0	-12.9	1.23 V	69	42.30	18.80
6	#10420.00	48.9 AV	54.0	-5.1	1.23 V	69	30.10	18.80

REMARKS:

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

802.11a

CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	C		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5714.00	63.6 PK	74.0	-10.4	1.14 H	344	57.60	6.00
2	#5714.00	49.3 AV	54.0	-4.7	1.14 H	344	43.30	6.00
3	#5722.00	72.3 PK	78.3	-6.0	1.15 H	343	66.30	6.00
4	#5725.00	76.5 PK	78.3	-1.8	1.10 H	345	70.50	6.00
5	*5745.00	115.1 PK			1.45 H	349	76.60	38.50
6	*5745.00	105.3 AV			1.45 H	349	66.80	38.50
7	11490.00	63.1 PK	74.0	-10.9	1.20 H	235	42.70	20.40
8	11490.00	48.9 AV	54.0	-5.1	1.20 H	235	28.50	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5714.00	67.7 PK	74.0	-6.3	1.39 V	357	61.70	6.00
2	#5714.00	53.0 AV	54.0	-1.0	1.39 V	357	47.00	6.00
3	#5722.00	72.7 PK	78.3	-5.6	1.40 V	353	66.70	6.00
4	#5725.00	66.4 PK	78.3	-11.9	1.38 V	354	60.40	6.00
5	*5745.00	121.7 PK			1.47 V	349	83.20	38.50
6	*5745.00	111.2 AV			1.47 V	349	72.70	38.50
7	11490.00	63.6 PK	74.0	-10.4	1.20 V	190	43.20	20.40
8	11490.00	49.4 AV	54.0	-4.6	1.20 V	190	29.00	20.40

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	116.9 PK			1.01 H	342	78.30	38.60
2	*5785.00	106.4 AV			1.01 H	342	67.80	38.60
3	11570.00	62.9 PK	74.0	-11.1	1.12 H	308	42.50	20.40
4	11570.00	49.4 AV	54.0	-4.6	1.12 H	308	29.00	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	122.3 PK			1.00 V	351	83.70	38.60
2	*5785.00	111.9 AV			1.00 V	351	73.30	38.60
3	11570.00	64.0 PK	74.0	-10.0	1.02 V	88	43.60	20.40
4	11570.00	50.0 AV	54.0	-4.0	1.02 V	88	29.60	20.40

REMARKS:

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

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	C		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	116.7 PK			1.40 H	351	78.00	38.70
2	*5825.00	106.5 AV			1.40 H	351	67.80	38.70
3	#5850.00	65.1 PK	78.3	-13.2	1.14 H	345	58.90	6.20
4	#5856.00	64.4 PK	78.3	-13.9	1.18 H	344	58.00	6.40
5	#5861.00	60.7 PK	74.0	-13.3	1.12 H	350	54.30	6.40
6	#5861.00	47.8 AV	54.0	-6.2	1.12 H	350	41.40	6.40
7	11650.00	62.1 PK	74.0	-11.9	1.10 H	109	41.80	20.30
8	11650.00	48.9 AV	54.0	-5.1	1.10 H	109	28.60	20.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	121.7 PK			1.08 V	355	83.00	38.70
2	*5825.00	111.2 AV			1.08 V	355	72.50	38.70
3	#5850.00	66.6 PK	78.3	-11.7	1.00 V	352	60.40	6.20
4	#5856.00	76.8 PK	78.3	-1.5	1.13 V	356	70.40	6.40
5	#5861.00	66.8 PK	74.0	-7.2	1.13 V	356	60.40	6.40
6	#5861.00	51.4 AV	54.0	-2.6	1.13 V	356	45.00	6.40
7	11650.00	62.4 PK	74.0	-11.6	1.21 V	183	42.10	20.30
8	11650.00	49.4 AV	54.0	-4.6	1.21 V	183	29.10	20.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (20MHz)

CHANNEL	TX Channel 149	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	C		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	63.0 PK	74.0	-11.0	1.13 H	348	57.00	6.00
2	#5714.00	49.8 AV	54.0	-4.2	1.13 H	348	43.80	6.00
3	#5722.00	72.9 PK	78.3	-5.4	1.15 H	349	66.90	6.00
4	#5725.00	64.2 PK	78.3	-14.1	1.13 H	347	58.20	6.00
5	*5745.00	114.7 PK			1.34 H	350	76.20	38.50
6	*5745.00	105.1 AV			1.34 H	350	66.60	38.50
7	11490.00	62.3 PK	74.0	-11.7	1.02 H	58	41.90	20.40
8	11490.00	48.4 AV	54.0	-5.6	1.02 H	58	28.00	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	68.1 PK	74.0	-5.9	1.45 V	352	62.10	6.00
2	#5714.00	50.6 AV	54.0	-3.4	1.45 V	352	44.60	6.00
3	#5722.00	76.8 PK	78.3	-1.5	1.39 V	354	70.80	6.00
4	#5725.00	66.3 PK	78.3	-12.0	1.48 V	350	60.30	6.00
5	*5745.00	120.3 PK			1.46 V	352	81.80	38.50
6	*5745.00	110.0 AV			1.46 V	352	71.50	38.50
7	11490.00	62.8 PK	74.0	-11.2	1.32 V	19	42.40	20.40
8	11490.00	48.7 AV	54.0	-5.3	1.32 V	19	28.30	20.40

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	117.2 PK			1.05 H	347	78.60	38.60
2	*5785.00	106.9 AV			1.05 H	347	68.30	38.60
3	11570.00	62.1 PK	74.0	-11.9	1.09 H	302	41.70	20.40
4	11570.00	48.2 AV	54.0	-5.8	1.09 H	302	27.80	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	122.5 PK			1.26 V	354	83.90	38.60
2	*5785.00	111.7 AV			1.26 V	354	73.10	38.60
3	11570.00	62.2 PK	74.0	-11.8	1.29 V	100	41.80	20.40
4	11570.00	48.6 AV	54.0	-5.4	1.29 V	102	28.20	20.40

REMARKS:

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

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	C		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	116.6 PK			1.39 H	350	77.90	38.70
2	*5825.00	106.0 AV			1.39 H	350	67.30	38.70
3	#5850.00	68.2 PK	78.3	-10.1	1.22 H	352	62.00	6.20
4	#5853.00	67.1 PK	78.3	-11.2	1.22 H	349	60.70	6.40
5	#5861.00	60.2 PK	74.0	-13.8	1.20 H	353	53.80	6.40
6	#5861.00	47.6 AV	54.0	-6.4	1.20 H	353	41.20	6.40
7	11650.00	61.5 PK	74.0	-12.5	1.19 H	299	41.20	20.30
8	11650.00	48.2 AV	54.0	-5.8	1.19 H	299	27.90	20.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	121.9 PK			1.22 V	350	83.20	38.70
2	*5825.00	111.0 AV			1.22 V	350	72.30	38.70
3	#5850.00	72.2 PK	78.3	-6.1	1.26 V	3	66.00	6.20
4	#5853.00	76.4 PK	78.3	-1.9	1.10 V	357	70.00	6.40
5	#5861.00	61.4 PK	74.0	-12.6	1.10 V	0	55.00	6.40
6	#5861.00	49.4 AV	54.0	-4.6	1.10 V	0	43.00	6.40
7	11650.00	61.9 PK	74.0	-12.1	1.29 V	359	41.60	20.30
8	11650.00	48.7 AV	54.0	-5.3	1.29 V	359	28.40	20.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	67.5 PK	74.0	-6.5	1.24 H	343	61.50	6.00
2	#5714.00	53.0 AV	54.0	-1.0	1.24 H	343	47.00	6.00
3	#5722.00	72.5 PK	78.3	-5.8	1.14 H	345	66.50	6.00
4	#5725.00	58.5 PK	78.3	-19.8	1.20 H	340	52.50	6.00
5	*5755.00	110.4 PK			1.40 H	352	71.80	38.60
6	*5755.00	100.7 AV			1.40 H	352	62.10	38.60
7	11510.00	61.4 PK	74.0	-12.6	1.20 H	58	41.00	20.40
8	11510.00	48.9 AV	54.0	-5.1	1.20 H	58	28.50	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	67.2 PK	74.0	-6.8	1.25 V	0	61.20	6.00
2	#5714.00	52.9 AV	54.0	-1.1	1.25 V	0	46.90	6.00
3	#5722.00	77.1 PK	78.3	-1.2	1.00 V	357	71.10	6.00
4	#5725.00	63.1 PK	78.3	-15.2	1.45 V	358	57.10	6.00
5	*5755.00	116.4 PK			1.00 V	348	77.80	38.60
6	*5755.00	106.4 AV			1.00 V	348	67.80	38.60
7	11490.00	62.3 PK	74.0	-11.7	1.18 V	54	41.90	20.40
8	11490.00	50.3 AV	54.0	-3.7	1.18 V	54	29.90	20.40

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	114.7 PK			1.22 H	347	76.10	38.60
2	*5795.00	104.8 AV			1.22 H	347	66.20	38.60
3	#5850.00	46.8 PK	78.3	-31.5	1.30 H	26	40.60	6.20
4	#5853.00	61.0 PK	78.3	-17.3	1.22 H	147	54.60	6.40
5	#5861.00	60.0 PK	74.0	-14.0	1.05 H	22	53.60	6.40
6	#5861.00	46.7 AV	54.0	-7.3	1.05 H	22	40.30	6.40
7	11590.00	61.4 PK	74.0	-12.6	1.05 H	69	41.00	20.40
8	11590.00	49.1 AV	54.0	-4.9	1.05 H	69	28.70	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	119.9 PK			1.31 V	349	81.30	38.60
2	*5795.00	108.8 AV			1.31 V	349	70.20	38.60
3	#5850.00	56.0 PK	78.3	-22.3	1.21 V	356	49.80	6.20
4	#5853.00	71.2 PK	78.3	-7.1	1.09 V	357	64.80	6.40
5	#5861.00	64.9 PK	74.0	-9.1	1.44 V	0	58.50	6.40
6	#5861.00	51.4 AV	54.0	-2.6	1.44 V	0	45.00	6.40
7	11590.00	63.0 PK	74.0	-11.0	1.05 V	88	42.60	20.40
8	11590.00	50.3 AV	54.0	-3.7	1.05 V	88	29.90	20.40

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (80MHz)

CHANNEL	TX Channel 155	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	C		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	64.5 PK	74.0	-9.5	1.31 H	343	58.50	6.00
2	#5714.00	49.1 AV	54.0	-4.9	1.31 H	343	43.10	6.00
3	#5722.00	63.6 PK	78.3	-14.7	1.08 H	55	57.60	6.00
4	#5725.00	55.0 PK	78.3	-23.3	1.33 H	206	49.00	6.00
5	*5775.00	102.5 PK			1.01 H	348	63.90	38.60
6	*5775.00	91.8 AV			1.01 H	348	53.20	38.60
7	#5850.00	46.5 PK	78.3	-31.8	1.22 H	35	40.30	6.20
8	#5853.00	61.0 PK	78.3	-17.3	1.17 H	41	54.60	6.40
9	#5861.00	58.0 PK	74.0	-16.0	1.20 H	33	51.60	6.40
10	#5861.00	47.9 AV	54.0	-6.1	1.20 H	33	41.50	6.40
11	11550.00	61.7 PK	74.0	-12.3	1.07 H	44	41.30	20.40
12	11550.00	49.1 AV	54.0	-4.9	1.07 H	44	28.70	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	69.0 PK	74.0	-5.0	1.19 V	0	63.00	6.00
2	#5714.00	52.2 AV	54.0	-1.8	1.19 V	0	46.20	6.00
3	#5722.00	76.2 PK	78.3	-2.1	1.58 V	354	70.20	6.00
4	#5725.00	60.1 PK	78.3	-18.2	1.54 V	1	54.10	6.00
5	*5775.00	109.5 PK			1.17 V	356	70.90	38.60
6	*5775.00	97.9 AV			1.17 V	356	59.30	38.60
7	#5850.00	57.4 PK	78.3	-20.9	1.06 V	33	51.20	6.20
8	#5853.00	65.1 PK	78.3	-13.2	1.17 V	41	58.70	6.40
9	#5861.00	59.6 PK	74.0	-14.4	1.10 V	58	53.20	6.40
10	#5861.00	47.0 AV	54.0	-7.0	1.10 V	58	40.60	6.40
11	11550.00	62.0 PK	74.0	-12.0	1.15 V	74	41.60	20.40
12	11550.00	49.4 AV	54.0	-4.6	1.15 V	74	29.00	20.40

REMARKS:

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

TEST MODE D

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	60.6 PK	74.0	-13.4	1.71 H	42	55.50	5.10
2	5150.00	47.4 AV	54.0	-6.6	1.71 H	42	42.30	5.10
3	*5180.00	111.7 PK			1.69 H	32	74.00	37.70
4	*5180.00	101.7 AV			1.69 H	32	64.00	37.70
5	#10360.00	60.2 PK	68.3	-8.1	1.26 H	253	41.90	18.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	69.9 PK	74.0	-4.1	1.14 V	350	64.80	5.10
2	5150.00	52.7 AV	54.0	-1.3	1.14 V	350	47.60	5.10
3	*5180.00	118.0 PK			1.02 V	344	80.30	37.70
4	*5180.00	108.2 AV			1.02 V	344	70.50	37.70
5	#10360.00	61.8 PK	68.3	-6.5	1.16 V	322	43.50	18.30

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5200.00	114.5 PK			1.07 H	39	76.70	37.80
2	*5200.00	104.0 AV			1.07 H	39	66.20	37.80
3	#10400.00	61.0 PK	68.3	-7.3	1.10 H	100	42.30	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	*5200.00	119.9 PK			1.28 V	344	82.10	37.80
2	*5200.00	110.7 AV			1.28 V	344	72.90	37.80
3	#10400.00	63.1 PK	68.3	-5.2	1.30 V	179	44.40	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)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	115.9 PK			1.09 H	34	78.00	37.90
2	*5240.00	105.5 AV			1.09 H	34	67.60	37.90
3	5350.00	56.4 PK	74.0	-17.6	1.03 H	208	51.00	5.40
4	5350.00	46.4 AV	54.0	-7.6	1.03 H	208	41.00	5.40
5	#10480.00	61.0 PK	68.3	-7.3	1.25 H	303	41.50	19.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	121.3 PK			1.03 V	340	83.40	37.90
2	*5240.00	111.5 AV			1.03 V	340	73.60	37.90
3	5350.00	59.5 PK	74.0	-14.5	1.00 V	248	54.10	5.40
4	5350.00	48.4 AV	54.0	-5.6	1.00 V	248	43.00	5.40
5	#10480.00	63.3 PK	68.3	-5.0	1.15 V	353	43.80	19.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	58.1 PK	74.0	-15.9	1.70 H	55	53.00	5.10
2	5150.00	47.3 AV	54.0	-6.7	1.70 H	55	42.20	5.10
3	*5180.00	111.4 PK			1.73 H	21	73.70	37.70
4	*5180.00	101.6 AV			1.73 H	21	63.90	37.70
5	#10360.00	60.2 PK	68.3	-8.1	1.37 H	19	41.90	18.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	68.9 PK	74.0	-5.1	1.00 V	340	63.80	5.10
2	5150.00	52.8 AV	54.0	-1.2	1.00 V	340	47.70	5.10
3	*5180.00	117.0 PK			1.14 V	347	79.30	37.70
4	*5180.00	107.3 AV			1.14 V	347	69.60	37.70
5	#10360.00	61.8 PK	68.3	-6.5	1.17 V	359	43.50	18.30

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	57.4 PK	74.0	-16.6	1.56 H	55	52.30	5.10
2	5150.00	46.5 AV	54.0	-7.5	1.56 H	55	41.40	5.10
3	*5200.00	114.3 PK			1.71 H	41	76.50	37.80
4	*5200.00	104.5 AV			1.71 H	41	66.70	37.80
5	#6933.00	57.6 PK	68.3	-10.7	1.23 H	305	46.30	11.30
6	#10400.00	60.9 PK	68.3	-7.4	1.51 H	290	42.20	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	5150.00	65.7 PK	74.0	-8.3	1.18 V	337	60.60	5.10
2	5150.00	50.8 AV	54.0	-3.2	1.18 V	337	45.70	5.10
3	*5200.00	121.2 PK			1.17 V	345	83.40	37.80
4	*5200.00	110.6 AV			1.17 V	345	72.80	37.80
5	#6933.00	61.2 PK	68.3	-7.1	1.00 V	356	49.90	11.30
6	#10400.00	63.4 PK	68.3	-4.9	1.21 V	262	44.70	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)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	114.4 PK			1.67 H	44	76.50	37.90
2	*5240.00	104.3 AV			1.67 H	44	66.40	37.90
3	5350.00	56.3 PK	74.0	-17.7	1.60 H	21	50.90	5.40
4	5350.00	45.8 AV	54.0	-8.2	1.60 H	21	40.40	5.40
5	#10480.00	61.6 PK	68.3	-6.7	1.55 H	224	42.10	19.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	121.8 PK			1.14 V	336	83.90	37.90
2	*5240.00	111.5 AV			1.14 V	336	73.60	37.90
3	5350.00	59.6 PK	74.0	-14.4	1.14 V	301	54.20	5.40
4	5350.00	49.2 AV	54.0	-4.8	1.14 V	301	43.80	5.40
5	#10480.00	63.8 PK	68.3	-4.5	1.33 V	288	44.30	19.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (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	56.0 PK	74.0	-18.0	1.10 H	178	50.90	5.10
2	5150.00	45.4 AV	54.0	-8.6	1.10 H	178	40.30	5.10
3	*5190.00	104.6 PK			1.10 H	187	66.80	37.80
4	*5190.00	94.0 AV			1.10 H	187	56.20	37.80
5	#10380.00	60.4 PK	68.3	-7.9	1.28 H	87	42.00	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	5150.00	66.7 PK	74.0	-7.3	1.11 V	350	61.60	5.10
2	5150.00	52.2 AV	54.0	-1.8	1.11 V	350	47.10	5.10
3	*5190.00	109.8 PK			1.10 V	358	72.00	37.80
4	*5190.00	100.0 AV			1.10 V	358	62.20	37.80
5	#10380.00	60.9 PK	68.3	-7.4	1.24 V	356	42.50	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)
3. The other emission levels were very low against the 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		
TEST MODE	D		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (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	112.0 PK			1.06 H	45	74.10	37.90
2	*5230.00	101.3 AV			1.06 H	45	63.40	37.90
3	5350.00	56.6 PK	74.0	-17.4	1.10 H	66	51.20	5.40
4	5350.00	46.0 AV	54.0	-8.0	1.10 H	66	40.60	5.40
5	#10460.00	61.0 PK	68.3	-7.3	1.19 H	359	41.80	19.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	63.4 PK	74.0	-10.6	1.16 V	350	58.30	5.10
2	5150.00	50.7 AV	54.0	-3.3	1.16 V	350	45.60	5.10
3	*5230.00	117.1 PK			1.07 V	359	79.20	37.90
4	*5230.00	107.2 AV			1.07 V	359	69.30	37.90
5	5350.00	58.9 PK	74.0	-15.1	1.12 V	331	53.50	5.40
6	5350.00	47.7 AV	54.0	-6.3	1.12 V	331	42.30	5.40
7	#10460.00	61.9 PK	68.3	-6.4	1.09 V	34	42.70	19.20

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	58.5 PK	74.0	-15.5	1.67 H	65	53.40	5.10
2	5150.00	47.6 AV	54.0	-6.4	1.67 H	65	42.50	5.10
3	*5210.00	96.6 PK			1.74 H	33	58.80	37.80
4	*5210.00	86.7 AV			1.74 H	33	48.90	37.80
5	5350.00	56.3 PK	74.0	-17.7	1.65 H	47	50.90	5.40
6	5350.00	44.8 AV	54.0	-9.2	1.65 H	47	39.40	5.40
7	#10420.00	60.1 PK	68.3	-8.2	1.22 H	90	41.30	18.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	67.4 PK	74.0	-6.6	1.15 V	351	62.30	5.10
2	5150.00	52.4 AV	54.0	-1.6	1.15 V	351	47.30	5.10
3	*5210.00	102.2 PK			1.17 V	342	64.40	37.80
4	*5210.00	93.2 AV			1.17 V	342	55.40	37.80
5	5350.00	56.4 PK	74.0	-17.6	1.07 V	291	51.00	5.40
6	5350.00	46.2 AV	54.0	-7.8	1.07 V	291	40.80	5.40
7	#10420.00	61.2 PK	68.3	-7.1	1.28 V	300	42.40	18.80

REMARKS:

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

802.11a

CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	D		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5714.00	64.7 PK	74.0	-9.3	1.10 H	186	58.70	6.00
2	#5714.00	49.9 AV	54.0	-4.1	1.10 H	186	43.90	6.00
3	#5722.00	73.2 PK	78.3	-5.1	1.11 H	187	67.20	6.00
4	#5725.00	74.7 PK	78.3	-3.6	1.11 H	186	68.70	6.00
5	*5745.00	114.0 PK			1.10 H	187	75.50	38.50
6	*5745.00	103.0 AV			1.10 H	187	64.50	38.50
7	11490.00	62.9 PK	74.0	-11.1	1.24 H	170	42.50	20.40
8	11490.00	50.0 AV	54.0	-4.0	1.24 H	170	29.60	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5714.00	67.2 PK	74.0	-6.8	1.26 V	343	61.20	6.00
2	#5714.00	52.5 AV	54.0	-1.5	1.26 V	343	46.50	6.00
3	#5722.00	74.6 PK	78.3	-3.7	1.14 V	342	68.60	6.00
4	#5725.00	75.2 PK	78.3	-3.1	1.00 V	30	69.20	6.00
5	*5745.00	117.5 PK			1.04 V	344	79.00	38.50
6	*5745.00	107.2 AV			1.04 V	344	68.70	38.50
7	11490.00	66.0 PK	74.0	-8.0	1.69 V	176	45.60	20.40
8	11490.00	51.9 AV	54.0	-2.1	1.69 V	176	31.50	20.40

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	114.7 PK			1.55 H	3	76.10	38.60
2	*5785.00	104.3 AV			1.55 H	3	65.70	38.60
3	11570.00	63.4 PK	74.0	-10.6	1.49 H	31	43.00	20.40
4	11570.00	49.1 AV	54.0	-4.9	1.49 H	31	28.70	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	119.3 PK			1.17 V	341	80.70	38.60
2	*5785.00	109.5 AV			1.17 V	341	70.90	38.60
3	11570.00	66.1 PK	74.0	-7.9	1.39 V	19	45.70	20.40
4	11570.00	52.1 AV	54.0	-1.9	1.39 V	19	31.70	20.40

REMARKS:

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

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)
TEST MODE	D		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	114.5 PK			1.07 H	186	75.80	38.70
2	*5825.00	103.5 AV			1.07 H	186	64.80	38.70
3	#5850.00	71.8 PK	78.3	-6.5	1.10 H	186	65.60	6.20
4	#5853.00	72.7 PK	78.3	-5.6	1.08 H	189	66.30	6.40
5	#5861.00	67.3 PK	74.0	-6.7	1.08 H	188	60.90	6.40
6	#5861.00	49.4 AV	54.0	-4.6	1.08 H	188	43.00	6.40
7	11650.00	64.5 PK	74.0	-9.5	1.50 H	189	44.20	20.30
8	11650.00	51.0 AV	54.0	-3.0	1.50 H	189	30.70	20.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	119.1 PK			1.14 V	347	80.40	38.70
2	*5825.00	108.9 AV			1.14 V	347	70.20	38.70
3	#5850.00	73.8 PK	78.3	-4.5	1.13 V	343	67.60	6.20
4	#5853.00	76.4 PK	78.3	-1.9	1.12 V	243	70.00	6.40
5	#5861.00	67.4 PK	74.0	-6.6	1.12 V	343	61.00	6.40
6	#5861.00	50.9 AV	54.0	-3.1	1.12 V	343	44.50	6.40
7	11650.00	63.2 PK	74.0	-10.8	1.00 V	357	42.90	20.30
8	11650.00	50.4 AV	54.0	-3.6	1.00 V	357	30.10	20.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (20MHz)

CHANNEL	TX Channel 149	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	D		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	62.1 PK	74.0	-11.9	1.06 H	26	56.10	6.00
2	#5714.00	48.9 AV	54.0	-5.1	1.06 H	26	42.90	6.00
3	#5722.00	71.9 PK	78.3	-6.4	1.00 H	40	65.90	6.00
4	#5725.00	70.2 PK	78.3	-8.1	1.00 H	40	64.20	6.00
5	*5745.00	114.2 PK			1.00 H	39	75.70	38.50
6	*5745.00	103.7 AV			1.00 H	39	65.20	38.50
7	11490.00	63.4 PK	74.0	-10.6	1.53 H	171	43.00	20.40
8	11490.00	50.7 AV	54.0	-3.3	1.53 H	171	30.30	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	69.1 PK	74.0	-4.9	1.11 V	336	63.10	6.00
2	#5714.00	52.2 AV	54.0	-1.8	1.11 V	336	46.20	6.00
3	#5722.00	74.8 PK	78.3	-3.5	1.10 V	336	68.80	6.00
4	#5725.00	75.6 PK	78.3	-2.7	1.14 V	342	69.60	6.00
5	*5745.00	117.2 PK			1.23 V	336	78.70	38.50
6	*5745.00	106.7 AV			1.23 V	336	68.20	38.50
7	11480.00	65.4 PK	74.0	-8.6	1.67 V	175	45.00	20.40
8	11480.00	52.1 AV	54.0	-1.9	1.67 V	175	31.70	20.40

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	115.3 PK			1.09 H	39	76.70	38.60
2	*5785.00	105.1 AV			1.09 H	39	66.50	38.60
3	11570.00	63.9 PK	74.0	-10.1	1.27 H	191	43.50	20.40
4	11570.00	51.7 AV	54.0	-2.3	1.27 H	191	31.30	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	118.9 PK			1.04 V	352	80.30	38.60
2	*5785.00	108.9 AV			1.04 V	352	70.30	38.60
3	11570.00	67.5 PK	74.0	-6.5	1.70 V	177	47.10	20.40
4	11570.00	52.5 AV	54.0	-1.5	1.70 V	177	32.10	20.40

REMARKS:

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

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	D		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	113.5 PK			1.26 H	44	74.80	38.70
2	*5825.00	102.7 AV			1.26 H	44	64.00	38.70
3	#5850.00	72.7 PK	78.3	-5.6	1.08 H	43	66.50	6.20
4	#5852.00	61.1 PK	78.3	-17.2	1.06 H	42	54.70	6.40
5	#5861.00	65.8 PK	74.0	-8.2	1.06 H	42	59.40	6.40
6	#5861.00	49.9 AV	54.0	-4.1	1.06 H	42	43.50	6.40
7	11650.00	64.2 PK	74.0	-9.8	1.51 H	189	43.90	20.30
8	11650.00	51.1 AV	54.0	-2.9	1.51 H	189	30.80	20.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	119.3 PK			1.12 V	346	80.60	38.70
2	*5825.00	109.2 AV			1.12 V	346	70.50	38.70
3	#5850.00	76.2 PK	78.3	-2.1	1.13 V	350	70.00	6.20
4	#5853.00	76.7 PK	78.3	-1.6	1.10 V	354	70.30	6.40
5	#5861.00	69.3 PK	74.0	-4.7	1.10 V	341	62.90	6.40
6	#5861.00	52.2 AV	54.0	-1.8	1.10 V	341	45.80	6.40
7	11650.00	65.5 PK	74.0	-8.5	1.76 V	162	45.20	20.30
8	11650.00	51.9 AV	54.0	-2.1	1.76 V	162	31.60	20.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	58.0 PK	74.0	-16.0	1.17 H	50	52.00	6.00
2	#5714.00	48.6 AV	54.0	-5.4	1.17 H	50	42.60	6.00
3	#5722.00	59.0 PK	78.3	-19.3	1.33 H	207	53.00	6.00
4	#5725.00	47.2 PK	78.3	-31.1	1.08 H	57	41.20	6.00
5	*5755.00	105.4 PK			1.00 H	205	66.80	38.60
6	*5755.00	95.6 AV			1.00 H	205	57.00	38.60
7	11510.00	62.1 PK	74.0	-11.9	1.17 H	45	41.70	20.40
8	11510.00	50.3 AV	54.0	-3.7	1.17 H	45	29.90	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	71.3 PK	74.0	-2.7	1.11 V	345	65.30	6.00
2	#5714.00	52.5 AV	54.0	-1.5	1.11 V	345	46.50	6.00
3	#5722.00	73.1 PK	78.3	-5.2	1.05 V	344	67.10	6.00
4	#5725.00	56.8 PK	78.3	-21.5	1.11 V	345	50.80	6.00
5	*5755.00	109.7 PK			1.23 V	341	71.10	38.60
6	*5755.00	100.4 AV			1.23 V	341	61.80	38.60
7	11510.00	63.1 PK	74.0	-10.9	1.49 V	20	42.70	20.40
8	11510.00	50.8 AV	54.0	-3.2	1.49 V	20	30.40	20.40

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	107.5 PK			1.01 H	41	68.90	38.60
2	*5795.00	98.1 AV			1.01 H	41	59.50	38.60
3	#5850.00	46.9 PK	78.3	-31.4	1.06 H	74	40.70	6.20
4	#5853.00	59.0 PK	78.3	-19.3	1.06 H	33	52.60	6.40
5	#5861.00	57.9 PK	74.0	-16.1	1.05 H	66	51.50	6.40
6	#5861.00	49.0 AV	54.0	-5.0	1.05 H	66	42.60	6.40
7	11590.00	63.0 PK	74.0	-11.0	1.47 H	360	42.60	20.40
8	11590.00	50.3 AV	54.0	-3.7	1.47 H	360	29.90	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	112.9 PK			1.01 V	350	74.30	38.60
2	*5795.00	103.7 AV			1.01 V	350	65.10	38.60
3	#5850.00	53.8 PK	78.3	-24.5	1.00 V	317	47.60	6.20
4	#5853.00	76.5 PK	78.3	-1.8	1.01 V	344	70.10	6.40
5	#5861.00	71.0 PK	74.0	-3.0	1.10 V	343	64.60	6.40
6	#5861.00	49.6 AV	54.0	-4.4	1.10 V	343	43.20	6.40
7	11590.00	63.4 PK	74.0	-10.6	1.28 V	54	43.00	20.40
8	11590.00	51.0 AV	54.0	-3.0	1.28 V	54	30.60	20.40

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (80MHz)

CHANNEL	TX Channel 155	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	D		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	57.6 PK	74.0	-16.4	1.05 H	22	51.60	6.00
2	#5714.00	46.6 AV	54.0	-7.4	1.05 H	22	40.60	6.00
3	#5722.00	58.3 PK	78.3	-20.0	1.08 H	74	52.30	6.00
4	#5725.00	45.9 PK	78.3	-32.4	1.14 H	123	39.90	6.00
5	*5775.00	101.3 PK			1.00 H	162	62.70	38.60
6	*5775.00	92.0 AV			1.00 H	162	53.40	38.60
7	#5850.00	46.5 PK	78.3	-31.8	1.11 H	47	40.30	6.20
8	#5853.00	59.4 PK	78.3	-18.9	1.09 H	65	53.00	6.40
9	#5861.00	57.6 PK	74.0	-16.4	1.33 H	204	51.20	6.40
10	#5861.00	47.7 AV	54.0	-6.3	1.33 H	204	41.30	6.40
11	11550.00	63.0 PK	74.0	-11.0	1.17 H	45	42.60	20.40
12	11550.00	50.4 AV	54.0	-3.6	1.17 H	45	30.00	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	69.0 PK	74.0	-5.0	1.00 V	11	63.00	6.00
2	#5714.00	52.9 AV	54.0	-1.1	1.00 V	11	46.90	6.00
3	#5722.00	74.3 PK	78.3	-4.0	1.06 V	11	68.30	6.00
4	#5725.00	58.6 PK	78.3	-19.7	1.33 V	7	52.60	6.00
5	*5775.00	106.9 PK			1.00 V	7	68.30	38.60
6	*5775.00	96.9 AV			1.00 V	7	58.30	38.60
7	#5850.00	56.2 PK	78.3	-22.1	1.23 V	68	50.00	6.20
8	#5853.00	61.6 PK	78.3	-16.7	1.23 V	98	55.20	6.40
9	#5861.00	68.7 PK	74.0	-5.3	1.05 V	9	62.30	6.40
10	#5861.00	51.2 AV	54.0	-2.8	1.05 V	9	44.80	6.40
11	11550.00	62.7 PK	74.0	-11.3	1.15 V	74	42.30	20.40
12	11550.00	50.3 AV	54.0	-3.7	1.15 V	74	29.90	20.40

REMARKS:

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

TEST MODE E

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (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	55.9 PK	74.0	-18.1	1.09 H	231	50.80	5.10
2	5150.00	45.4 AV	54.0	-8.6	1.09 H	231	40.30	5.10
3	*5180.00	108.9 PK			1.00 H	328	71.20	37.70
4	*5180.00	97.5 AV			1.00 H	328	59.80	37.70
5	#6906.00	55.7 PK	68.3	-12.6	1.19 H	252	44.50	11.20
6	#10360.00	62.4 PK	68.3	-5.9	1.10 H	355	44.10	18.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	70.7 PK	74.0	-3.3	1.02 V	117	65.60	5.10
2	5150.00	52.2 AV	54.0	-1.8	1.02 V	117	47.10	5.10
3	*5180.00	118.4 PK			1.00 V	45	80.70	37.70
4	*5180.00	107.7 AV			1.00 V	45	70.00	37.70
5	#6906.00	62.7 PK	68.3	-5.6	1.99 V	113	51.50	11.20
6	#10360.00	64.3 PK	68.3	-4.0	1.29 V	144	46.00	18.30

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	58.7 PK	74.0	-15.3	1.11 H	306	53.60	5.10
2	5150.00	47.6 AV	54.0	-6.4	1.11 H	306	42.50	5.10
3	*5200.00	113.1 PK			1.00 H	8	75.30	37.80
4	*5200.00	101.5 AV			1.00 H	8	63.70	37.80
5	#6933.00	56.7 PK	68.3	-11.6	1.10 H	212	45.40	11.30
6	#10400.00	63.1 PK	68.3	-5.2	1.01 H	46	44.40	18.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	71.0 PK	74.0	-3.0	1.01 V	117	65.90	5.10
2	5150.00	52.6 AV	54.0	-1.4	1.01 V	117	47.50	5.10
3	*5200.00	123.3 PK			1.01 V	39	85.50	37.80
4	*5200.00	112.1 AV			1.01 V	39	74.30	37.80
5	#6933.00	60.4 PK	68.3	-7.9	1.03 V	112	49.10	11.30
6	#10400.00	65.4 PK	68.3	-2.9	1.11 V	166	46.70	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)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	113.6 PK			1.00 H	2	75.70	37.90
2	*5240.00	103.7 AV			1.00 H	2	65.80	37.90
3	5350.00	58.0 PK	74.0	-16.0	1.02 H	89	52.60	5.40
4	5350.00	47.1 AV	54.0	-6.9	1.02 H	89	41.70	5.40
5	#6986.00	54.5 PK	68.3	-13.8	1.11 H	121	43.00	11.50
6	#10480.00	61.9 PK	68.3	-6.4	1.22 H	34	42.40	19.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	124.7 PK			1.00 V	39	86.80	37.90
2	*5240.00	114.3 AV			1.00 V	39	76.40	37.90
3	5350.00	62.2 PK	74.0	-11.8	1.00 V	114	56.80	5.40
4	5350.00	51.0 AV	54.0	-3.0	1.00 V	114	45.60	5.40
5	#6986.00	57.0 PK	68.3	-11.3	1.50 V	133	45.50	11.50
6	#10480.00	64.0 PK	68.3	-4.3	1.32 V	345	44.50	19.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	57.1 PK	74.0	-16.9	1.03 H	213	52.00	5.10
2	5150.00	46.6 AV	54.0	-7.4	1.03 H	213	41.50	5.10
3	*5180.00	107.5 PK			1.00 H	2	69.80	37.70
4	*5180.00	97.6 AV			1.00 H	2	59.90	37.70
5	#6906.00	56.6 PK	68.3	-11.7	1.05 H	196	45.40	11.20
6	#10360.00	61.6 PK	68.3	-6.7	1.04 H	23	43.30	18.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	68.9 PK	74.0	-5.1	1.01 V	114	63.80	5.10
2	5150.00	52.6 AV	54.0	-1.4	1.01 V	114	47.50	5.10
3	*5180.00	119.0 PK			1.01 V	46	81.30	37.70
4	*5180.00	108.3 AV			1.01 V	46	70.60	37.70
5	#6906.00	61.9 PK	68.3	-6.4	2.03 V	111	50.70	11.20
6	#10360.00	63.9 PK	68.3	-4.4	1.14 V	328	45.60	18.30

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	59.1 PK	74.0	-14.9	1.21 H	56	54.00	5.10
2	5150.00	47.6 AV	54.0	-6.4	1.21 H	56	42.50	5.10
3	*5200.00	113.2 PK			1.51 H	87	75.40	37.80
4	*5200.00	102.7 AV			1.51 H	87	64.90	37.80
5	#6933.00	56.6 PK	68.3	-11.7	1.47 H	95	45.30	11.30
6	#10400.00	61.0 PK	68.3	-7.3	1.29 H	109	42.30	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	5150.00	71.9 PK	74.0	-2.1	1.02 V	115	66.80	5.10
2	5150.00	52.7 AV	54.0	-1.3	1.02 V	115	47.60	5.10
3	*5200.00	122.9 PK			1.01 V	127	85.10	37.80
4	*5200.00	112.4 AV			1.01 V	127	74.60	37.80
5	#6933.00	59.7 PK	68.3	-8.6	1.01 V	113	48.40	11.30
6	#10400.00	64.5 PK	68.3	-3.8	1.09 V	179	45.80	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)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	114.6 PK			1.00 H	2	76.70	37.90
2	*5240.00	102.3 AV			1.00 H	2	64.40	37.90
3	5350.00	58.9 PK	74.0	-15.1	1.03 H	116	53.50	5.40
4	5350.00	47.8 AV	54.0	-6.2	1.03 H	116	42.40	5.40
5	#6986.00	56.1 PK	68.3	-12.2	1.30 H	90	44.60	11.50
6	#10480.00	63.8 PK	68.3	-4.5	1.09 H	307	44.30	19.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	125.1 PK			1.00 V	39	87.20	37.90
2	*5240.00	114.5 AV			1.00 V	39	76.60	37.90
3	5350.00	64.6 PK	74.0	-9.4	1.59 V	100	59.20	5.40
4	5350.00	51.2 AV	54.0	-2.8	1.59 V	100	45.80	5.40
5	#6986.00	58.8 PK	68.3	-9.5	1.35 V	110	47.30	11.50
6	#10480.00	65.6 PK	68.3	-2.7	1.05 V	258	46.10	19.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	58.7 PK	74.0	-15.3	1.10 H	232	53.60	5.10
2	5150.00	47.8 AV	54.0	-6.2	1.10 H	232	42.70	5.10
3	*5190.00	99.1 PK			1.01 H	355	61.30	37.80
4	*5190.00	89.2 AV			1.01 H	355	51.40	37.80
5	#10380.00	61.0 PK	68.3	-7.3	1.03 H	149	42.60	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	5150.00	68.0 PK	74.0	-6.0	1.01 V	303	62.90	5.10
2	5150.00	52.9 AV	54.0	-1.1	1.01 V	303	47.80	5.10
3	*5190.00	109.6 PK			1.00 V	129	71.80	37.80
4	*5190.00	99.6 AV			1.00 V	129	61.80	37.80
5	#10380.00	62.5 PK	68.3	-5.8	1.00 V	129	44.10	18.40

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the 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		
TEST MODE	E		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	47.4 PK	74.0	-26.6	1.05 H	302	42.30	5.10
2	5150.00	45.3 AV	54.0	-8.7	1.05 H	302	40.20	5.10
3	*5230.00	107.6 PK			1.11 H	264	69.70	37.90
4	*5230.00	97.4 AV			1.11 H	264	59.50	37.90
5	#6973.00	56.4 PK	68.3	-11.9	1.28 H	88	45.00	11.40
6	#10460.00	61.0 PK	68.3	-7.3	1.05 H	119	41.80	19.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	67.8 PK	74.0	-6.2	1.02 V	36	62.70	5.10
2	5150.00	52.2 AV	54.0	-1.8	1.02 V	36	47.10	5.10
3	*5230.00	121.5 PK			1.00 V	117	83.60	37.90
4	*5230.00	110.8 AV			1.00 V	117	72.90	37.90
5	#6973.00	58.4 PK	68.3	-9.9	1.18 V	111	47.00	11.40
6	#10460.00	63.6 PK	68.3	-4.7	1.25 V	70	44.40	19.20

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	58.3 PK	74.0	-15.7	1.03 H	357	53.20	5.10
2	5150.00	46.5 AV	54.0	-7.5	1.03 H	357	41.40	5.10
3	*5210.00	94.2 PK			1.00 H	8	56.40	37.80
4	*5210.00	83.7 AV			1.00 H	8	45.90	37.80
5	5350.00	59.4 PK	74.0	-14.6	1.12 H	23	54.00	5.40
6	5350.00	48.6 AV	54.0	-5.4	1.12 H	23	43.20	5.40
7	#10420.00	60.6 PK	68.3	-7.7	1.07 H	50	41.80	18.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	69.4 PK	74.0	-4.6	1.00 V	39	64.30	5.10
2	5150.00	52.4 AV	54.0	-1.6	1.00 V	39	47.30	5.10
3	*5210.00	107.0 PK			1.00 V	40	69.20	37.80
4	*5210.00	96.0 AV			1.00 V	40	58.20	37.80
5	5350.00	56.9 PK	74.0	-17.1	1.06 V	85	51.50	5.40
6	5350.00	46.3 AV	54.0	-7.7	1.06 V	85	40.90	5.40
7	#10420.00	61.8 PK	68.3	-6.5	1.19 V	350	43.00	18.80

REMARKS:

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

802.11a

CHANNEL	TX Channel 149	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	E		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	57.3 PK	74.0	-16.7	1.68 H	82	51.30	6.00
2	#5714.00	46.8 AV	54.0	-7.2	1.68 H	82	40.80	6.00
3	#5722.00	60.7 PK	78.3	-17.6	1.60 H	88	54.70	6.00
4	#5725.00	64.3 PK	78.3	-14.0	1.54 H	69	58.30	6.00
5	*5745.00	109.2 PK			1.65 H	79	70.70	38.50
6	*5745.00	99.2 AV			1.65 H	79	60.70	38.50
7	11490.00	63.3 PK	74.0	-10.7	1.56 H	235	42.90	20.40
8	11490.00	50.0 AV	54.0	-4.0	1.56 H	235	29.60	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	68.6 PK	74.0	-5.4	1.00 V	121	62.60	6.00
2	#5714.00	53.0 AV	54.0	-1.0	1.00 V	121	47.00	6.00
3	#5722.00	73.7 PK	78.3	-4.6	1.01 V	117	67.70	6.00
4	#5725.00	75.7 PK	78.3	-2.6	1.00 V	120	69.70	6.00
5	*5745.00	120.4 PK			1.00 V	41	81.90	38.50
6	*5745.00	110.0 AV			1.00 V	41	71.50	38.50
7	11490.00	64.9 PK	74.0	-9.1	1.09 V	123	44.50	20.40
8	11490.00	51.0 AV	54.0	-3.0	1.09 V	123	30.60	20.40

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	107.5 PK			1.82 H	22	68.90	38.60
2	*5785.00	96.9 AV			1.82 H	22	58.30	38.60
3	11570.00	63.2 PK	74.0	-10.8	1.20 H	98	42.80	20.40
4	11570.00	49.7 AV	54.0	-4.3	1.20 H	98	29.30	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	119.8 PK			1.15 V	119	81.20	38.60
2	*5785.00	109.8 AV			1.15 V	119	71.20	38.60
3	11570.00	66.1 PK	74.0	-7.9	1.27 V	38	45.70	20.40
4	11570.00	53.0 AV	54.0	-1.0	1.27 V	38	32.60	20.40

REMARKS:

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

CHANNEL	TX Channel 165	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	E		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5825.00	111.0 PK			1.69 H	76	72.30	38.70
2	*5825.00	100.6 AV			1.69 H	76	61.90	38.70
3	#5853.00	67.9 PK	78.3	-10.4	1.66 H	70	61.50	6.40
4	#5861.00	62.0 PK	74.0	-12.0	1.65 H	72	55.60	6.40
5	#5861.00	46.6 AV	54.0	-7.4	1.65 H	72	40.20	6.40
6	11650.00	62.9 PK	74.0	-11.1	1.60 H	100	42.60	20.30
7	11650.00	49.6 AV	54.0	-4.4	1.60 H	100	29.30	20.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5825.00	121.4 PK			1.03 V	117	82.70	38.70
2	*5825.00	110.9 AV			1.03 V	117	72.20	38.70
3	#5853.00	77.0 PK	78.3	-1.3	1.00 V	177	70.60	6.40
4	#5861.00	70.1 PK	74.0	-3.9	1.00 V	183	63.70	6.40
5	#5861.00	51.6 AV	54.0	-2.4	1.00 V	183	45.20	6.40
6	11650.00	66.3 PK	74.0	-7.7	1.67 V	272	46.00	20.30
7	11650.00	52.6 AV	54.0	-1.4	1.67 V	272	32.30	20.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (20MHz)

CHANNEL	TX Channel 149	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	E		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	58.6 PK	74.0	-15.4	1.05 H	22	52.60	6.00
2	#5714.00	46.3 AV	54.0	-7.7	1.05 H	22	40.30	6.00
3	#5722.00	57.7 PK	78.3	-20.6	1.14 H	85	51.70	6.00
4	#5725.00	48.3 PK	78.3	-30.0	1.33 H	205	42.30	6.00
5	*5745.00	106.6 PK			1.00 H	247	68.10	38.50
6	*5745.00	97.0 AV			1.00 H	247	58.50	38.50
7	11490.00	61.5 PK	74.0	-12.5	1.08 H	129	41.10	20.40
8	11490.00	50.5 AV	54.0	-3.5	1.08 H	129	30.10	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	68.2 PK	74.0	-5.8	1.04 V	68	62.20	6.00
2	#5714.00	52.5 AV	54.0	-1.5	1.04 V	237	46.50	6.00
3	#5722.00	69.7 PK	78.3	-8.6	1.00 V	302	63.70	6.00
4	#5725.00	57.5 PK	78.3	-20.8	1.12 V	148	51.50	6.00
5	*5745.00	119.8 PK			1.13 V	176	81.30	38.50
6	*5745.00	109.5 AV			1.13 V	176	71.00	38.50
7	11490.00	64.0 PK	74.0	-10.0	1.69 V	322	43.60	20.40
8	11490.00	51.8 AV	54.0	-2.2	1.69 V	322	31.40	20.40

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	106.9 PK			1.00 H	17	68.30	38.60
2	*5785.00	97.4 AV			1.00 H	17	58.80	38.60
3	11570.00	63.0 PK	74.0	-11.0	1.15 H	95	42.60	20.40
4	11570.00	50.8 AV	54.0	-3.2	1.15 H	95	30.40	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	120.9 PK			1.08 V	304	82.30	38.60
2	*5785.00	110.4 AV			1.08 V	304	71.80	38.60
3	11570.00	65.0 PK	74.0	-9.0	1.15 V	22	44.60	20.40
4	11570.00	53.0 AV	54.0	-1.0	1.15 V	22	32.60	20.40

REMARKS:

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

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	E		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	106.2 PK			1.00 H	199	67.50	38.70
2	*5825.00	96.7 AV			1.00 H	199	58.00	38.70
3	#5850.00	47.2 PK	78.3	-31.1	1.09 H	221	41.00	6.20
4	#5853.00	59.1 PK	78.3	-19.2	1.17 H	45	52.70	6.40
5	#5861.00	57.6 PK	74.0	-16.4	1.06 H	22	51.20	6.40
6	#5861.00	47.1 AV	54.0	-6.9	1.06 H	22	40.70	6.40
7	11650.00	62.9 PK	74.0	-11.1	1.05 H	88	42.60	20.30
8	11650.00	50.5 AV	54.0	-3.5	1.05 H	88	30.20	20.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	118.1 PK			1.01 V	173	79.40	38.70
2	*5825.00	108.4 AV			1.01 V	173	69.70	38.70
3	#5850.00	64.9 PK	78.3	-13.4	1.01 V	175	58.70	6.20
4	#5853.00	77.1 PK	78.3	-1.2	1.10 V	175	70.70	6.40
5	#5861.00	72.3 PK	74.0	-1.7	1.07 V	173	65.90	6.40
6	#5861.00	53.0 AV	54.0	-1.0	1.07 V	173	46.60	6.40
7	11650.00	64.7 PK	74.0	-9.3	1.03 V	30	44.40	20.30
8	11650.00	52.2 AV	54.0	-1.8	1.03 V	30	31.90	20.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	57.2 PK	74.0	-16.8	1.33 H	206	51.20	6.00
2	#5714.00	46.5 AV	54.0	-7.5	1.33 H	206	40.50	6.00
3	#5725.00	47.0 PK	78.3	-31.3	1.23 H	20	41.00	6.00
4	*5755.00	103.3 PK			1.00 H	222	64.70	38.60
5	*5755.00	93.6 AV			1.00 H	222	55.00	38.60
6	#5853.00	59.4 PK	78.3	-18.9	1.05 H	360	53.00	6.40
7	11510.00	62.0 PK	74.0	-12.0	1.14 H	74	41.60	20.40
8	11510.00	50.3 AV	54.0	-3.7	1.14 H	74	29.90	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	67.8 PK	74.0	-6.2	1.00 V	146	61.80	6.00
2	#5714.00	53.0 AV	54.0	-1.0	1.00 V	146	47.00	6.00
3	#5722.00	73.7 PK	78.3	-4.6	1.00 V	302	67.70	6.00
4	#5725.00	59.0 PK	78.3	-19.3	1.10 V	84	53.00	6.00
5	*5755.00	116.1 PK			1.12 V	176	77.50	38.60
6	*5755.00	106.3 AV			1.12 V	176	67.70	38.60
7	11510.00	63.3 PK	74.0	-10.7	1.15 V	74	42.90	20.40
8	11510.00	51.3 AV	54.0	-2.7	1.15 V	74	30.90	20.40

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5795.00	103.7 PK			1.00 H	15	65.10	38.60
2	*5795.00	94.3 AV			1.00 H	15	55.70	38.60
3	#5850.00	57.4 PK	78.3	-20.9	1.09 H	63	51.20	6.20
4	#5853.00	56.8 PK	78.3	-21.5	1.15 H	14	50.40	6.40
5	#5861.00	56.7 PK	68.3	-11.6	1.23 H	26	50.30	6.40
6	11590.00	61.7 PK	74.0	-12.3	1.07 H	44	41.30	20.40
7	11590.00	50.3 AV	54.0	-3.7	1.07 H	44	29.90	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5795.00	117.4 PK			1.00 V	213	78.80	38.60
2	*5795.00	106.8 AV			1.00 V	213	68.20	38.60
3	#5850.00	53.9 PK	78.3	-24.4	1.00 V	196	47.70	6.20
4	#5853.00	73.5 PK	78.3	-4.8	1.00 V	173	67.10	6.40
5	#5861.00	68.0 PK	74.0	-6.0	1.00 V	172	61.60	6.40
6	#5861.00	52.6 AV	54.0	-1.4	1.00 V	172	46.20	6.40
7	11590.00	63.4 PK	74.0	-10.6	1.76 V	163	43.00	20.40
8	11590.00	50.8 AV	54.0	-3.2	1.76 V	163	30.40	20.40

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (80MHz)

CHANNEL	TX Channel 155	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	E		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	56.2 PK	74.0	-17.8	1.15 H	74	50.20	6.00
2	#5714.00	46.1 AV	54.0	-7.9	1.15 H	74	40.10	6.00
3	#5722.00	56.9 PK	78.3	-21.4	1.03 H	69	50.90	6.00
4	#5725.00	44.1 PK	78.3	-34.2	1.33 H	221	38.10	6.00
5	*5775.00	94.2 PK			1.00 H	19	55.60	38.60
6	*5775.00	84.8 AV			1.00 H	19	46.20	38.60
7	#5850.00	44.1 PK	78.3	-34.2	1.24 H	105	37.90	6.20
8	#5853.00	57.4 PK	78.3	-20.9	1.22 H	306	51.00	6.40
9	#5861.00	56.4 PK	74.0	-17.6	1.23 H	14	50.00	6.40
10	#5861.00	46.7 AV	54.0	-7.3	1.23 H	14	40.30	6.40
11	11550.00	62.0 PK	74.0	-12.0	1.17 H	45	41.60	20.40
12	11550.00	49.1 AV	54.0	-4.9	1.17 H	45	28.70	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	69.5 PK	74.0	-4.5	1.09 V	48	63.50	6.00
2	#5714.00	52.5 AV	54.0	-1.5	1.09 V	48	46.50	6.00
3	#5722.00	70.9 PK	78.3	-7.4	1.00 V	338	64.90	6.00
4	#5725.00	58.9 PK	78.3	-19.4	1.08 V	302	52.90	6.00
5	*5775.00	105.9 PK			1.01 V	174	67.30	38.60
6	*5775.00	96.6 AV			1.01 V	174	58.00	38.60
7	#5850.00	46.9 PK	78.3	-31.4	1.16 V	43	40.70	6.20
8	#5853.00	60.4 PK	78.3	-17.9	1.15 V	85	54.00	6.40
9	#5861.00	62.0 PK	74.0	-12.0	1.14 V	52	55.60	6.40
10	#5861.00	46.4 AV	54.0	-7.6	1.14 V	52	40.00	6.40
11	11550.00	63.4 PK	74.0	-10.6	1.05 V	88	43.00	20.40
12	11550.00	51.0 AV	54.0	-3.0	1.05 V	88	30.60	20.40

REMARKS:

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

TEST MODE F

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	57.6 PK	74.0	-16.4	1.14 H	268	52.50	5.10
2	5150.00	47.1 AV	54.0	-6.9	1.14 H	268	42.00	5.10
3	*5180.00	105.3 PK			1.00 H	30	67.60	37.70
4	*5180.00	95.7 AV			1.00 H	30	58.00	37.70
5	#10360.00	60.3 PK	68.3	-8.0	1.21 H	100	42.00	18.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	69.1 PK	74.0	-4.9	1.00 V	313	64.00	5.10
2	**5150.00**	**53.0 AV**	**54.0**	**-1.0**	**1.00 V**	**313**	**47.90**	**5.10**
3	*5180.00	117.5 PK			1.00 V	51	79.80	37.70
4	*5180.00	107.3 AV			1.00 V	51	69.60	37.70
5	#10360.00	61.7 PK	68.3	-6.6	1.01 V	46	43.40	18.30

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5200.00	111.4 PK			1.00 H	349	73.60	37.80
2	*5200.00	101.3 AV			1.00 H	349	63.50	37.80
3	#10400.00	61.1 PK	68.3	-7.2	1.14 H	210	42.40	18.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5200.00	121.1 PK			1.00 V	7	83.30	37.80
2	*5200.00	111.5 AV			1.00 V	7	73.70	37.80
3	#10400.00	62.3 PK	68.3	-6.0	1.00 V	136	43.60	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)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	112.3 PK			1.09 H	74	74.40	37.90
2	*5240.00	101.1 AV			1.09 H	74	63.20	37.90
3	5350.00	57.8 PK	74.0	-16.2	1.11 H	84	52.40	5.40
4	5350.00	46.1 AV	54.0	-7.9	1.11 H	84	40.70	5.40
5	#10480.00	62.6 PK	68.3	-5.7	1.19 H	131	43.10	19.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	123.1 PK			1.17 V	22	85.20	37.90
2	*5240.00	113.1 AV			1.17 V	22	75.20	37.90
3	5350.00	60.5 PK	74.0	-13.5	1.05 V	50	55.10	5.40
4	5350.00	49.0 AV	54.0	-5.0	1.05 V	50	43.60	5.40
5	#10480.00	62.3 PK	68.3	-6.0	1.23 V	354	42.80	19.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	57.1 PK	74.0	-16.9	1.01 H	5	52.00	5.10
2	5150.00	46.5 AV	54.0	-7.5	1.01 H	5	41.40	5.10
3	*5180.00	106.8 PK			1.00 H	350	69.10	37.70
4	*5180.00	97.3 AV			1.00 H	350	59.60	37.70
5	#10360.00	60.3 PK	68.3	-8.0	1.20 H	300	42.00	18.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	68.1 PK	74.0	-5.9	1.00 V	6	63.00	5.10
2	5150.00	52.8 AV	54.0	-1.2	1.00 V	6	47.70	5.10
3	*5180.00	118.5 PK			1.00 V	324	80.80	37.70
4	*5180.00	108.7 AV			1.00 V	324	71.00	37.70
5	#10360.00	60.8 PK	68.3	-7.5	1.09 V	330	42.50	18.30

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5200.00	111.8 PK			1.05 H	9	74.00	37.80
2	*5200.00	101.3 AV			1.05 H	9	63.50	37.80
3	#10400.00	60.6 PK	68.3	-7.7	1.10 H	29	41.90	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	*5200.00	121.8 PK			1.00 V	319	84.00	37.80
2	*5200.00	112.3 AV			1.00 V	319	74.50	37.80
3	#10400.00	61.6 PK	68.3	-6.7	1.04 V	209	42.90	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)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	111.6 PK			1.02 H	7	73.70	37.90
2	*5240.00	101.8 AV			1.02 H	7	63.90	37.90
3	5350.00	55.9 PK	74.0	-18.1	1.08 H	355	50.50	5.40
4	5350.00	44.7 AV	54.0	-9.3	1.08 H	355	39.30	5.40
5	#10480.00	61.8 PK	68.3	-6.5	1.12 H	76	42.30	19.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	123.5 PK			1.00 V	317	85.60	37.90
2	*5240.00	113.1 AV			1.00 V	317	75.20	37.90
3	5350.00	60.6 PK	74.0	-13.4	1.05 V	60	55.20	5.40
4	5350.00	49.7 AV	54.0	-4.3	1.05 V	60	44.30	5.40
5	#10480.00	62.6 PK	68.3	-5.7	1.09 V	113	43.10	19.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	57.1 PK	74.0	-16.9	1.03 H	359	52.00	5.10
2	5150.00	45.4 AV	54.0	-8.6	1.03 H	359	40.30	5.10
3	*5190.00	100.5 PK			1.00 H	350	62.70	37.80
4	*5190.00	90.7 AV			1.00 H	350	52.90	37.80
5	#10380.00	59.9 PK	68.3	-8.4	1.09 H	23	41.50	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	5150.00	68.2 PK	74.0	-5.8	1.00 V	311	63.10	5.10
2	**5150.00**	**53.0 AV**	**54.0**	**-1.0**	**1.00 V**	**311**	**47.90**	**5.10**
3	*5190.00	111.3 PK			1.00 V	347	73.50	37.80
4	*5190.00	101.3 AV			1.00 V	347	63.50	37.80
5	#10380.00	60.9 PK	68.3	-7.4	1.10 V	88	42.50	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)
3. The other emission levels were very low against the 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		
TEST MODE	F		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	56.2 PK	74.0	-17.8	1.03 H	18	51.10	5.10
2	5150.00	44.9 AV	54.0	-9.1	1.03 H	18	39.80	5.10
3	*5230.00	108.2 PK			1.01 H	6	70.30	37.90
4	*5230.00	98.1 AV			1.01 H	6	60.20	37.90
5	5350.00	55.6 PK	74.0	-18.4	1.10 H	36	50.20	5.40
6	5350.00	44.3 AV	54.0	-9.7	1.10 H	36	38.90	5.40
7	#10460.00	61.2 PK	68.3	-7.1	1.00 H	26	42.00	19.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	66.1 PK	74.0	-7.9	1.08 V	352	61.00	5.10
2	5150.00	51.8 AV	54.0	-2.2	1.08 V	352	46.70	5.10
3	*5230.00	121.5 PK			1.00 V	344	83.60	37.90
4	*5230.00	111.3 AV			1.00 V	344	73.40	37.90
5	5350.00	61.4 PK	74.0	-12.6	1.06 V	339	56.00	5.40
6	5350.00	50.4 AV	54.0	-3.6	1.06 V	339	45.00	5.40
7	#10460.00	62.8 PK	68.3	-5.5	1.08 V	296	43.60	19.20

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	56.7 PK	74.0	-17.3	1.00 H	350	51.60	5.10
2	5150.00	45.9 AV	54.0	-8.1	1.00 H	350	40.80	5.10
3	*5210.00	93.6 PK			1.06 H	10	55.80	37.80
4	*5210.00	83.9 AV			1.06 H	10	46.10	37.80
5	#10420.00	60.5 PK	68.3	-7.8	1.15 H	316	41.70	18.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	66.7 PK	74.0	-7.3	1.01 V	31	61.60	5.10
2	5150.00	52.7 AV	54.0	-1.3	1.01 V	31	47.60	5.10
3	*5210.00	104.8 PK			1.00 V	341	67.00	37.80
4	*5210.00	95.2 AV			1.00 V	341	57.40	37.80
5	#10420.00	61.1 PK	68.3	-7.2	1.00 V	234	42.30	18.80

REMARKS:

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

802.11a

CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	F		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5714.00	59.7 PK	74.0	-14.3	1.30 H	287	53.70	6.00
2	#5714.00	46.1 AV	54.0	-7.9	1.30 H	287	40.10	6.00
3	#5722.00	64.7 PK	78.3	-13.6	1.33 H	285	58.70	6.00
4	#5725.00	66.4 PK	78.3	-11.9	1.35 H	290	60.40	6.00
5	*5745.00	109.4 PK			1.35 H	250	70.90	38.50
6	*5745.00	99.0 AV			1.35 H	250	60.50	38.50
7	11490.00	64.4 PK	74.0	-9.6	1.48 H	34	44.00	20.40
8	11490.00	51.3 AV	54.0	-2.7	1.48 H	34	30.90	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5714.00	67.5 PK	74.0	-6.5	1.16 V	289	61.50	6.00
2	#5714.00	51.9 AV	54.0	-2.1	1.16 V	289	45.90	6.00
3	#5722.00	77.2 PK	78.3	-1.1	1.31 V	292	71.20	6.00
4	#5725.00	75.3 PK	78.3	-3.0	1.18 V	290	69.30	6.00
5	*5745.00	119.7 PK			1.39 V	290	81.20	38.50
6	*5745.00	109.1 AV			1.39 V	290	70.60	38.50
7	11490.00	67.9 PK	74.0	-6.1	1.57 V	87	47.50	20.40
8	**11490.00**	**53.0 AV**	**54.0**	**-1.0**	**1.57 V**	**87**	**32.60**	**20.40**

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	111.7 PK			1.36 H	287	73.10	38.60
2	*5785.00	100.5 AV			1.36 H	287	61.90	38.60
3	11570.00	63.8 PK	74.0	-10.2	1.32 H	25	43.40	20.40
4	11570.00	51.7 AV	54.0	-2.3	1.32 H	25	31.30	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	120.1 PK			1.38 V	292	81.50	38.60
2	*5785.00	109.6 AV			1.38 V	292	71.00	38.60
3	11570.00	67.5 PK	74.0	-6.5	1.43 V	266	47.10	20.40
4	11570.00	52.6 AV	54.0	-1.4	1.43 V	266	32.20	20.40

REMARKS:

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

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	F		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	108.8 PK			1.31 H	250	70.10	38.70
2	*5825.00	98.6 AV			1.31 H	250	59.90	38.70
3	#5850.00	60.9 PK	78.3	-17.4	1.33 H	256	54.70	6.20
4	#5853.00	60.8 PK	78.3	-17.5	1.31 H	296	54.40	6.40
5	#5861.00	58.1 PK	74.0	-15.9	1.30 H	251	51.70	6.40
6	#5861.00	46.6 AV	54.0	-7.4	1.30 H	251	40.20	6.40
7	11650.00	63.3 PK	74.0	-10.7	1.40 H	268	43.00	20.30
8	11650.00	50.3 AV	54.0	-3.7	1.40 H	268	30.00	20.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	119.3 PK			1.33 V	295	80.60	38.70
2	*5825.00	109.0 AV			1.33 V	295	70.30	38.70
3	#5850.00	72.4 PK	78.3	-5.9	1.29 V	292	66.20	6.20
4	#5853.00	72.0 PK	78.3	-6.3	1.30 V	298	65.60	6.40
5	#5861.00	67.0 PK	74.0	-7.0	1.28 V	303	60.60	6.40
6	#5861.00	49.7 AV	54.0	-4.3	1.28 V	303	43.30	6.40
7	11650.00	65.5 PK	74.0	-8.5	1.38 V	208	45.20	20.30
8	11650.00	52.5 AV	54.0	-1.5	1.38 V	208	32.20	20.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (20MHz)

CHANNEL	TX Channel 149	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	F		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	58.7 PK	74.0	-15.3	1.28 H	256	52.70	6.00
2	#5714.00	46.7 AV	54.0	-7.3	1.28 H	256	40.70	6.00
3	#5722.00	64.6 PK	78.3	-13.7	1.40 H	280	58.60	6.00
4	#5725.00	66.5 PK	78.3	-11.8	1.35 H	290	60.50	6.00
5	*5745.00	108.3 PK			1.37 H	286	69.80	38.50
6	*5745.00	97.8 AV			1.37 H	286	59.30	38.50
7	11490.00	63.9 PK	74.0	-10.1	1.47 H	22	43.50	20.40
8	11490.00	50.6 AV	54.0	-3.4	1.47 H	22	30.20	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	65.9 PK	74.0	-8.1	1.24 V	307	59.90	6.00
2	#5714.00	51.4 AV	54.0	-2.6	1.24 V	307	45.40	6.00
3	#5722.00	72.2 PK	78.3	-6.1	1.31 V	349	66.20	6.00
4	#5725.00	75.5 PK	78.3	-2.8	1.17 V	286	69.50	6.00
5	*5745.00	118.7 PK			1.36 V	285	80.20	38.50
6	*5745.00	108.6 AV			1.36 V	285	70.10	38.50
7	11490.00	68.8 PK	74.0	-5.2	1.57 V	84	48.40	20.40
8	11490.00	52.8 AV	54.0	-1.2	1.57 V	84	32.40	20.40

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	109.7 PK			1.42 H	254	71.10	38.60
2	*5785.00	99.3 AV			1.42 H	254	60.70	38.60
3	11570.00	63.5 PK	74.0	-10.5	1.35 H	239	43.10	20.40
4	11570.00	49.9 AV	54.0	-4.1	1.35 H	239	29.50	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	119.9 PK			1.41 V	102	81.30	38.60
2	*5785.00	110.0 AV			1.41 V	102	71.40	38.60
3	11570.00	65.5 PK	74.0	-8.5	1.47 V	309	45.10	20.40
4	11570.00	52.6 AV	54.0	-1.4	1.47 V	309	32.20	20.40

REMARKS:

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

CHANNEL	TX Channel 165	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	F		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5825.00	110.0 PK			1.34 H	187	71.30	38.70
2	*5825.00	99.8 AV			1.34 H	187	61.10	38.70
3	#5850.00	65.7 PK	78.3	-12.6	1.36 H	285	59.50	6.20
4	#5854.00	64.6 PK	78.3	-13.7	1.38 H	290	58.20	6.40
5	#5861.00	60.8 PK	74.0	-13.2	1.36 H	286	54.40	6.40
6	#5861.00	46.7 AV	54.0	-7.3	1.36 H	286	40.30	6.40
7	11650.00	63.1 PK	74.0	-10.9	1.35 H	260	42.80	20.30
8	11650.00	49.7 AV	54.0	-4.3	1.35 H	260	29.40	20.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5825.00	121.0 PK			1.29 V	292	82.30	38.70
2	*5825.00	110.5 AV			1.29 V	292	71.80	38.70
3	#5850.00	72.0 PK	78.3	-6.3	1.35 V	101	65.80	6.20
4	#5857.00	71.7 PK	78.3	-6.6	1.36 V	85	65.30	6.40
5	#5861.00	67.2 PK	74.0	-6.8	1.37 V	286	60.80	6.40
6	#5861.00	51.7 AV	54.0	-2.3	1.37 V	286	45.30	6.40
7	11650.00	66.1 PK	74.0	-7.9	1.45 V	207	45.80	20.30
8	11650.00	52.7 AV	54.0	-1.3	1.45 V	207	32.40	20.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	58.0 PK	74.0	-16.0	1.10 H	105	52.00	6.00
2	#5714.00	48.6 AV	54.0	-5.4	1.10 H	105	42.60	6.00
3	#5722.00	57.4 PK	78.3	-20.9	1.25 H	69	51.40	6.00
4	#5725.00	47.3 PK	78.3	-31.0	1.20 H	305	41.30	6.00
5	*5755.00	107.0 PK			1.70 H	25	68.40	38.60
6	*5755.00	96.6 AV			1.70 H	25	58.00	38.60
7	11510.00	61.4 PK	74.0	-12.6	1.05 H	66	41.00	20.40
8	11510.00	49.4 AV	54.0	-4.6	1.05 H	66	29.00	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	70.6 PK	74.0	-3.4	1.00 V	295	64.60	6.00
2	#5714.00	51.8 AV	54.0	-2.2	1.00 V	295	45.80	6.00
3	#5722.00	76.8 PK	78.3	-1.5	1.00 V	223	70.80	6.00
4	#5725.00	58.5 PK	78.3	-19.8	1.19 V	226	52.50	6.00
5	*5755.00	115.9 PK			1.00 V	296	77.30	38.60
6	*5755.00	106.1 AV			1.00 V	296	67.50	38.60
7	11540.00	63.4 PK	74.0	-10.6	1.10 V	245	43.00	20.40
8	11540.00	50.8 AV	54.0	-3.2	1.10 V	245	30.40	20.40

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	108.7 PK			1.64 H	26	70.10	38.60
2	*5795.00	98.2 AV			1.64 H	26	59.60	38.60
3	#5850.00	46.7 PK	78.3	-31.6	1.23 H	65	40.50	6.20
4	#5853.00	57.8 PK	78.3	-20.5	1.08 H	74	51.40	6.40
5	#5861.00	59.1 PK	74.0	-14.9	1.15 H	62	52.70	6.40
6	#5861.00	45.4 AV	54.0	-8.6	1.15 H	62	39.00	6.40
7	11590.00	61.2 PK	74.0	-12.8	1.08 H	215	40.80	20.40
8	11590.00	49.4 AV	54.0	-4.6	1.08 H	215	29.00	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	118.3 PK			1.08 V	296	79.70	38.60
2	*5795.00	108.1 AV			1.08 V	296	69.50	38.60
3	#5850.00	56.7 PK	78.3	-21.6	1.19 V	295	50.50	6.20
4	#5853.00	72.4 PK	78.3	-5.9	1.07 V	297	66.00	6.40
5	#5861.00	72.7 PK	74.0	-1.3	1.19 V	298	66.30	6.40
6	#5861.00	50.0 AV	54.0	-4.0	1.19 V	298	43.60	6.40
7	11590.00	63.4 PK	74.0	-10.6	1.00 V	16	43.00	20.40
8	11590.00	50.8 AV	54.0	-3.2	1.00 V	16	30.40	20.40

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (80MHz)

CHANNEL	TX Channel 155	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	F		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5714.00	57.6 PK	74.0	-16.4	1.14 H	58	51.60	6.00
2	#5714.00	46.0 AV	54.0	-8.0	1.14 H	58	40.00	6.00
3	#5722.00	58.0 PK	78.3	-20.3	1.22 H	36	52.00	6.00
4	#5725.00	47.5 PK	78.3	-30.8	1.06 H	32	41.50	6.00
5	*5775.00	97.9 PK			1.42 H	24	59.30	38.60
6	*5775.00	88.3 AV			1.42 H	24	49.70	38.60
7	#5850.00	43.7 PK	78.3	-34.6	1.33 H	221	37.50	6.20
8	#5853.00	58.3 PK	78.3	-20.0	1.04 H	44	51.90	6.40
9	#5861.00	58.3 PK	74.0	-15.7	1.18 H	54	51.90	6.40
10	#5861.00	46.3 AV	54.0	-7.7	1.18 H	54	39.90	6.40
11	11550.00	61.4 PK	74.0	-12.6	1.15 H	74	41.00	20.40
12	11550.00	49.4 AV	54.0	-4.6	1.15 H	74	29.00	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5714.00	71.5 PK	74.0	-2.5	1.00 V	293	65.50	6.00
2	#5714.00	52.6 AV	54.0	-1.4	1.00 V	293	46.60	6.00
3	#5722.00	70.7 PK	78.3	-7.6	1.00 V	296	64.70	6.00
4	#5725.00	53.4 PK	78.3	-24.9	1.10 V	299	47.40	6.00
5	*5775.00	107.8 PK			1.00 V	296	69.20	38.60
6	*5775.00	97.4 AV			1.00 V	296	58.80	38.60
7	#5850.00	49.1 PK	78.3	-29.2	1.10 V	46	42.90	6.20
8	#5853.00	62.9 PK	78.3	-15.4	1.22 V	296	56.50	6.40
9	#5861.00	58.8 PK	74.0	-15.2	1.10 V	102	52.40	6.40
10	#5861.00	46.9 AV	54.0	-7.1	1.10 V	102	40.50	6.40
11	11550.00	63.2 PK	74.0	-10.8	1.05 V	66	42.80	20.40
12	11550.00	51.9 AV	54.0	-2.1	1.05 V	66	31.50	20.40

REMARKS:

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

TEST MODE G

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	68.6 PK	74.0	-5.4	1.06 H	6	63.50	5.10
2	5150.00	52.6 AV	54.0	-1.4	1.06 H	6	47.50	5.10
3	*5180.00	117.1 PK			1.05 H	2	79.40	37.70
4	*5180.00	107.2 AV			1.05 H	2	69.50	37.70
5	#10360.00	61.6 PK	74.0	-12.4	1.15 H	112	43.30	18.30
6	#10360.00	46.9 AV	54.0	-7.1	1.15 H	112	28.60	18.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	63.0 PK	74.0	-11.0	1.00 V	195	57.90	5.10
2	5150.00	47.9 AV	54.0	-6.1	1.00 V	195	42.80	5.10
3	*5180.00	110.8 PK			1.00 V	195	73.10	37.70
4	*5180.00	100.3 AV			1.00 V	195	62.60	37.70
5	#10360.00	60.9 PK	74.0	-13.1	1.17 V	54	42.60	18.30
6	#10360.00	46.2 AV	54.0	-7.8	1.17 V	54	27.90	18.30

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5200.00	119.6 PK			1.04 H	11	81.80	37.80
2	*5200.00	109.1 AV			1.04 H	11	71.30	37.80
3	#10400.00	63.3 PK	74.0	-10.7	1.24 H	173	44.60	18.70
4	#10400.00	48.5 AV	54.0	-5.5	1.24 H	173	29.80	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	*5200.00	113.7 PK			1.10 V	198	75.90	37.80
2	*5200.00	103.1 AV			1.10 V	198	65.30	37.80
3	#10400.00	61.0 PK	74.0	-13.0	1.20 V	241	42.30	18.70
4	#10400.00	47.7 AV	54.0	-6.3	1.20 V	241	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)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	120.0 PK			1.02 H	10	82.10	37.90
2	*5240.00	109.7 AV			1.02 H	10	71.80	37.90
3	5350.00	61.4 PK	74.0	-12.6	1.26 H	0	56.00	5.40
4	5350.00	49.0 AV	54.0	-5.0	1.26 H	0	43.60	5.40
5	#10480.00	62.5 PK	74.0	-11.5	1.15 H	112	43.00	19.50
6	#10480.00	48.2 AV	54.0	-5.8	1.15 H	112	28.70	19.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	112.9 PK			1.08 V	199	75.00	37.90
2	*5240.00	101.5 AV			1.08 V	199	63.60	37.90
3	5350.00	58.0 PK	74.0	-16.0	1.11 V	178	52.60	5.40
4	5350.00	48.5 AV	54.0	-5.5	1.11 V	178	43.10	5.40
5	#10480.00	61.5 PK	74.0	-12.5	1.17 V	45	42.00	19.50
6	#10480.00	47.5 AV	54.0	-6.5	1.17 V	45	28.00	19.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	70.8 PK	74.0	-3.2	1.00 H	8	65.70	5.10
2	5150.00	52.5 AV	54.0	-1.5	1.00 H	8	47.40	5.10
3	*5180.00	117.3 PK			1.21 H	11	79.60	37.70
4	*5180.00	107.1 AV			1.21 H	11	69.40	37.70
5	#10360.00	61.2 PK	74.0	-12.8	1.15 H	98	42.90	18.30
6	#10360.00	48.4 AV	54.0	-5.6	1.15 H	98	30.10	18.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	64.9 PK	74.0	-9.1	1.00 V	70	59.80	5.10
2	5150.00	47.7 AV	54.0	-6.3	1.00 V	70	42.60	5.10
3	*5180.00	111.5 PK			1.12 V	328	73.80	37.70
4	*5180.00	100.7 AV			1.12 V	328	63.00	37.70
5	#10360.00	60.9 PK	74.0	-13.1	1.17 V	45	42.60	18.30
6	#10360.00	47.3 AV	54.0	-6.7	1.17 V	45	29.00	18.30

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	63.6 PK	74.0	-10.4	1.00 H	12	58.50	5.10
2	5150.00	50.3 AV	54.0	-3.7	1.00 H	12	45.20	5.10
3	*5200.00	122.0 PK			1.00 H	5	84.20	37.80
4	*5200.00	112.7 AV			1.00 H	5	74.90	37.80
5	#10400.00	62.3 PK	74.0	-11.7	1.16 H	30	43.60	18.70
6	#10400.00	49.1 AV	54.0	-4.9	1.16 H	30	30.40	18.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	57.0 PK	74.0	-17.0	1.30 V	65	51.90	5.10
2	5150.00	45.7 AV	54.0	-8.3	1.30 V	65	40.60	5.10
3	*5200.00	114.3 PK			1.00 V	328	76.50	37.80
4	*5200.00	104.4 AV			1.00 V	328	66.60	37.80
5	#10400.00	60.3 PK	74.0	-13.7	1.08 V	65	41.60	18.70
6	#10400.00	48.2 AV	54.0	-5.8	1.08 V	65	29.50	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)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	122.1 PK			1.00 H	0	84.20	37.90
2	*5240.00	112.1 AV			1.00 H	0	74.20	37.90
3	5350.00	58.0 PK	74.0	-16.0	1.05 H	153	52.60	5.40
4	5350.00	46.7 AV	54.0	-7.3	1.05 H	153	41.30	5.40
5	#10480.00	63.1 PK	74.0	-10.9	1.23 H	69	43.60	19.50
6	#10480.00	49.6 AV	54.0	-4.4	1.23 H	69	30.10	19.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5240.00	115.7 PK			1.00 V	333	77.80	37.90
2	*5240.00	105.3 AV			1.00 V	333	67.40	37.90
3	5350.00	56.4 PK	74.0	-17.6	1.33 V	208	51.00	5.40
4	5350.00	45.3 AV	54.0	-8.7	1.33 V	208	39.90	5.40
5	#10480.00	61.1 PK	74.0	-12.9	1.16 V	25	41.60	19.50
6	#10480.00	48.2 AV	54.0	-5.8	1.16 V	25	28.70	19.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	65.5 PK	74.0	-8.5	1.00 H	17	60.40	5.10
2	5150.00	52.6 AV	54.0	-1.4	1.00 H	17	47.50	5.10
3	*5190.00	111.0 PK			1.00 H	7	73.20	37.80
4	*5190.00	102.0 AV			1.00 H	7	64.20	37.80
5	#10380.00	61.7 PK	74.0	-12.3	1.16 H	205	43.30	18.40
6	#10380.00	48.4 AV	54.0	-5.6	1.16 H	205	30.00	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	5150.00	64.1 PK	74.0	-9.9	1.00 V	327	59.00	5.10
2	5150.00	49.7 AV	54.0	-4.3	1.00 V	327	44.60	5.10
3	*5190.00	104.8 PK			1.12 V	328	67.00	37.80
4	*5190.00	95.2 AV			1.12 V	328	57.40	37.80
5	#10380.00	60.6 PK	74.0	-13.4	1.05 V	22	42.20	18.40
6	#10380.00	47.3 AV	54.0	-6.7	1.05 V	22	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)
3. The other emission levels were very low against the 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		
TEST MODE	G		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5230.00	119.8 PK			1.10 H	1	81.90	37.90
2	*5230.00	109.4 AV			1.10 H	1	71.50	37.90
3	5350.00	58.7 PK	74.0	-15.3	1.26 H	7	53.30	5.40
4	5350.00	46.8 AV	54.0	-7.2	1.26 H	7	41.40	5.40
5	#10460.00	62.5 PK	74.0	-11.5	1.22 H	63	43.30	19.20
6	#10460.00	49.2 AV	54.0	-4.8	1.22 H	63	30.00	19.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5230.00	113.2 PK			1.00 V	330	75.30	37.90
2	*5230.00	103.4 AV			1.00 V	330	65.50	37.90
3	5350.00	57.0 PK	74.0	-17.0	1.28 V	15	51.60	5.40
4	5350.00	45.1 AV	54.0	-8.9	1.28 V	15	39.70	5.40
5	#10460.00	61.2 PK	74.0	-12.8	1.06 V	54	42.00	19.20
6	#10460.00	49.1 AV	54.0	-4.9	1.06 V	54	29.90	19.20

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	65.1 PK	74.0	-8.9	1.00 H	353	60.00	5.10
2	5150.00	52.8 AV	54.0	-1.2	1.00 H	353	47.70	5.10
3	*5210.00	103.2 PK			1.00 H	7	65.40	37.80
4	*5210.00	93.8 AV			1.00 H	7	56.00	37.80
5	#10420.00	62.3 PK	74.0	-11.7	1.33 H	214	43.50	18.80
6	#10420.00	48.8 AV	54.0	-5.2	1.33 H	214	30.00	18.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	61.8 PK	74.0	-12.2	1.22 V	60	56.70	5.10
2	5150.00	48.6 AV	54.0	-5.4	1.22 V	60	43.50	5.10
3	*5210.00	98.8 PK			1.00 V	333	61.00	37.80
4	*5210.00	89.1 AV			1.00 V	333	51.30	37.80
5	#10420.00	61.5 PK	74.0	-12.5	1.07 V	45	42.70	18.80
6	#10420.00	47.8 AV	54.0	-6.2	1.07 V	45	29.00	18.80

REMARKS:

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

802.11a

CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	G		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5714.00	68.7 PK	74.0	-5.3	1.00 H	5	62.70	6.00
2	#5714.00	49.1 AV	54.0	-4.9	1.00 H	5	43.10	6.00
3	#5722.00	76.5 PK	78.3	-1.8	1.00 H	4	70.50	6.00
4	#5725.00	61.4 PK	78.3	-16.9	1.00 H	12	55.40	6.00
5	*5745.00	115.7 PK			1.00 H	4	77.20	38.50
6	*5745.00	105.8 AV			1.00 H	4	67.30	38.50
7	11490.00	63.0 PK	74.0	-11.0	1.16 H	52	42.60	20.40
8	11490.00	49.3 AV	54.0	-4.7	1.16 H	52	28.90	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5714.00	69.8 PK	74.0	-4.2	1.23 V	331	63.80	6.00
2	#5714.00	48.4 AV	54.0	-5.6	1.23 V	331	42.40	6.00
3	#5722.00	76.0 PK	78.3	-2.3	1.10 V	332	70.00	6.00
4	#5725.00	55.4 PK	78.3	-22.9	1.09 V	65	49.40	6.00
5	*5745.00	114.9 PK			1.00 V	330	76.40	38.50
6	*5745.00	103.9 AV			1.00 V	330	65.40	38.50
7	11490.00	61.6 PK	74.0	-12.4	1.23 V	69	41.20	20.40
8	11490.00	49.1 AV	54.0	-4.9	1.23 V	69	28.70	20.40

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	115.0 PK			1.00 H	18	76.40	38.60
2	*5785.00	105.2 AV			1.00 H	18	66.60	38.60
3	11570.00	65.1 PK	74.0	-8.9	1.52 H	349	44.70	20.40
4	11570.00	52.7 AV	54.0	-1.3	1.52 H	349	32.30	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	113.8 PK			1.00 V	328	75.20	38.60
2	*5785.00	103.5 AV			1.00 V	328	64.90	38.60
3	11570.00	61.4 PK	74.0	-12.6	1.16 V	338	41.00	20.40
4	11570.00	50.8 AV	54.0	-3.2	1.16 V	338	30.40	20.40

REMARKS:

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

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	G		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	117.4 PK			1.07 H	14	78.70	38.70
2	*5825.00	106.8 AV			1.07 H	14	68.10	38.70
3	#5850.00	55.2 PK	78.3	-23.1	1.15 H	11	49.00	6.20
4	#5853.00	76.9 PK	78.3	-1.4	1.29 H	326	70.50	6.40
5	#5861.00	68.7 PK	74.0	-5.3	1.17 H	7	62.30	6.40
6	#5861.00	47.2 AV	54.0	-6.8	1.17 H	7	40.80	6.40
7	11650.00	64.1 PK	74.0	-9.9	1.58 H	1	43.80	20.30
8	11650.00	51.9 AV	54.0	-2.1	1.58 H	1	31.60	20.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	114.8 PK			1.00 V	329	76.10	38.70
2	*5825.00	104.9 AV			1.00 V	329	66.20	38.70
3	#5850.00	57.0 PK	78.3	-21.3	1.18 V	330	50.80	6.20
4	#5853.00	60.8 PK	78.3	-17.5	1.19 V	332	54.40	6.40
5	#5861.00	62.0 PK	74.0	-12.0	1.09 V	63	55.60	6.40
6	#5861.00	47.7 AV	54.0	-6.3	1.09 V	63	41.30	6.40
7	11650.00	63.6 PK	74.0	-10.4	1.00 V	335	43.30	20.30
8	11650.00	51.3 AV	54.0	-2.7	1.00 V	335	31.00	20.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (20MHz)

CHANNEL	TX Channel 149	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	G		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	69.3 PK	74.0	-4.7	1.00 H	340	63.30	6.00
2	#5714.00	47.4 AV	54.0	-6.6	1.00 H	340	41.40	6.00
3	#5722.00	77.1 PK	78.3	-1.2	1.00 H	331	71.10	6.00
4	#5725.00	58.4 PK	78.3	-19.9	1.00 H	334	52.40	6.00
5	*5745.00	113.4 PK			1.00 H	331	74.90	38.50
6	*5745.00	103.4 AV			1.00 H	331	64.90	38.50
7	11490.00	63.3 PK	74.0	-10.7	1.12 H	25	42.90	20.40
8	11490.00	50.3 AV	54.0	-3.7	1.12 H	25	29.90	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	64.4 PK	74.0	-9.6	1.00 V	77	58.40	6.00
2	#5714.00	46.8 AV	54.0	-7.2	1.00 V	77	40.80	6.00
3	#5722.00	74.7 PK	78.3	-3.6	1.11 V	333	68.70	6.00
4	#5725.00	49.6 PK	78.3	-28.7	1.18 V	41	43.60	6.00
5	*5745.00	112.6 PK			1.11 V	332	74.10	38.50
6	*5745.00	102.1 AV			1.11 V	332	63.60	38.50
7	11490.00	63.4 PK	74.0	-10.6	1.47 V	52	43.00	20.40
8	11490.00	50.3 AV	54.0	-3.7	1.47 V	52	29.90	20.40

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	116.3 PK			1.00 H	2	77.70	38.60
2	*5785.00	106.1 AV			1.00 H	2	67.50	38.60
3	11570.00	65.8 PK	74.0	-8.2	1.24 H	351	45.40	20.40
4	11570.00	52.2 AV	54.0	-1.8	1.24 H	351	31.80	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*5785.00	115.0 PK			1.10 V	332	76.40	38.60
2	*5785.00	105.2 AV			1.10 V	332	66.60	38.60
3	11570.00	62.0 PK	74.0	-12.0	1.23 V	5	41.60	20.40
4	11570.00	50.8 AV	54.0	-3.2	1.23 V	5	30.40	20.40

REMARKS:

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

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	G		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	117.7 PK			1.07 H	15	79.00	38.70
2	*5825.00	107.0 AV			1.07 H	15	68.30	38.70
3	#5850.00	58.4 PK	78.3	-19.9	1.21 H	188	52.20	6.20
4	#5853.00	76.9 PK	78.3	-1.4	1.32 H	190	70.50	6.40
5	**#5861.00**	**73.8 PK**	**74.0**	**-0.2**	**1.29 H**	**325**	**67.40**	**6.40**
6	#5861.00	49.2 AV	54.0	-4.8	1.29 H	325	42.80	6.40
7	11650.00	63.0 PK	74.0	-11.0	1.25 H	69	42.70	20.30
8	11650.00	50.7 AV	54.0	-3.3	1.25 H	69	30.40	20.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	114.5 PK			1.09 V	329	75.80	38.70
2	*5825.00	104.3 AV			1.09 V	329	65.60	38.70
3	#5850.00	56.7 PK	78.3	-21.6	1.00 V	111	50.50	6.20
4	#5853.00	74.0 PK	78.3	-4.3	1.11 V	330	67.60	6.40
5	#5861.00	59.4 PK	74.0	-14.6	1.10 V	124	53.00	6.40
6	#5861.00	46.7 AV	54.0	-7.3	1.10 V	124	40.30	6.40
7	11650.00	62.6 PK	74.0	-11.4	1.05 V	74	42.30	20.30
8	11650.00	50.0 AV	54.0	-4.0	1.05 V	74	29.70	20.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	70.2 PK	74.0	-3.8	1.00 H	5	64.20	6.00
2	#5714.00	51.8 AV	54.0	-2.2	1.00 H	5	45.80	6.00
3	#5722.00	76.8 PK	78.3	-1.5	1.00 H	9	70.80	6.00
4	#5725.00	56.9 PK	78.3	-21.4	1.00 H	2	50.90	6.00
5	*5755.00	110.9 PK			1.00 H	2	72.30	38.60
6	*5755.00	101.2 AV			1.00 H	2	62.60	38.60
7	11510.00	64.0 PK	74.0	-10.0	1.03 H	65	43.60	20.40
8	11510.00	50.9 AV	54.0	-3.1	1.03 H	65	30.50	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	66.0 PK	74.0	-8.0	1.10 V	339	60.00	6.00
2	#5714.00	49.0 AV	54.0	-5.0	1.10 V	339	43.00	6.00
3	#5722.00	68.6 PK	78.3	-9.7	1.22 V	331	62.60	6.00
4	#5725.00	52.1 PK	78.3	-26.2	1.33 V	331	46.10	6.00
5	*5755.00	108.2 PK			1.00 V	333	69.60	38.60
6	*5755.00	98.1 AV			1.00 V	333	59.50	38.60
7	11510.00	62.1 PK	74.0	-11.9	1.17 V	45	41.70	20.40
8	11510.00	50.3 AV	54.0	-3.7	1.17 V	45	29.90	20.40

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	113.9 PK			1.00 H	20	75.30	38.60
2	*5795.00	104.7 AV			1.00 H	20	66.10	38.60
3	#5850.00	58.9 PK	78.3	-19.4	1.85 H	312	52.70	6.20
4	#5853.00	77.3 PK	78.3	-1.0	1.05 H	6	70.90	6.40
5	#5861.00	72.8 PK	74.0	-1.2	1.00 H	180	66.40	6.40
6	#5861.00	52.4 AV	54.0	-1.6	1.00 H	180	46.00	6.40
7	11590.00	63.4 PK	74.0	-10.6	1.13 H	20	43.00	20.40
8	11590.00	49.2 AV	54.0	-4.8	1.13 H	20	28.80	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	112.2 PK			1.00 V	324	73.60	38.60
2	*5795.00	102.8 AV			1.00 V	324	64.20	38.60
3	#5850.00	52.7 PK	78.3	-25.6	1.23 V	89	46.50	6.20
4	#5853.00	73.4 PK	78.3	-4.9	1.05 V	334	67.00	6.40
5	#5861.00	68.7 PK	74.0	-5.3	1.21 V	113	62.30	6.40
6	#5861.00	51.9 AV	54.0	-2.1	1.21 V	113	45.50	6.40
7	11590.00	64.0 PK	74.0	-10.0	1.23 V	69	43.60	20.40
8	11590.00	49.1 AV	54.0	-4.9	1.23 V	69	28.70	20.40

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very 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 (80MHz)

CHANNEL	TX Channel 155	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		
TEST MODE	G		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	69.9 PK	74.0	-4.1	1.00 H	8	63.90	6.00
2	#5714.00	52.5 AV	54.0	-1.5	1.00 H	8	46.50	6.00
3	#5722.00	69.2 PK	78.3	-9.1	1.18 H	8	63.20	6.00
4	#5725.00	52.1 PK	78.3	-26.2	1.11 H	7	46.10	6.00
5	*5775.00	104.1 PK			1.10 H	2	65.50	38.60
6	*5775.00	94.6 AV			1.10 H	2	56.00	38.60
7	#5850.00	46.7 PK	78.3	-31.6	1.08 H	154	40.50	6.20
8	#5853.00	59.0 PK	78.3	-19.3	1.56 H	152	52.60	6.40
9	#5861.00	56.9 PK	74.0	-17.1	1.11 H	145	50.50	6.40
10	#5861.00	44.0 AV	54.0	-10.0	1.11 H	145	37.60	6.40
11	11550.00	64.0 PK	74.0	-10.0	1.05 H	69	43.60	20.40
12	11550.00	50.3 AV	54.0	-3.7	1.05 H	69	29.90	20.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5714.00	63.3 PK	74.0	-10.7	1.35 V	331	57.30	6.00
2	#5714.00	48.5 AV	54.0	-5.5	1.35 V	331	42.50	6.00
3	#5722.00	63.4 PK	78.3	-14.9	1.19 V	339	57.40	6.00
4	#5725.00	48.6 PK	78.3	-29.7	1.33 V	205	42.60	6.00
5	*5775.00	103.1 PK			1.00 V	331	64.50	38.60
6	*5775.00	93.2 AV			1.00 V	331	54.60	38.60
7	#5850.00	43.9 PK	78.3	-34.4	1.33 V	206	37.70	6.20
8	#5853.00	59.1 PK	78.3	-19.2	1.07 V	44	52.70	6.40
9	#5861.00	58.3 PK	68.3	-10.0	1.14 V	106	51.90	6.40
10	11550.00	62.4 PK	74.0	-11.6	1.15 V	203	42.00	20.40
11	11550.00	48.3 AV	54.0	-5.7	1.15 V	203	27.90	20.40

REMARKS:

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

BELOW 1GHz WORST-CASE DATA

TEST MODE A

802.11ac (20MHz)

CHANNEL	TX Channel 157	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		
TEST MODE	A		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	74.62	29.3 QP	40.0	-10.7	1.25 H	147	46.60	-17.30
2	166.00	40.9 QP	43.5	-2.6	1.00 H	90	54.90	-14.00
3	183.50	36.0 QP	43.5	-7.5	1.50 H	60	51.60	-15.60
4	239.88	36.9 QP	46.0	-9.1	1.00 H	83	51.60	-14.70
5	265.16	41.4 QP	46.0	-4.6	1.25 H	77	54.90	-13.50
6	500.42	38.6 QP	46.0	-7.4	1.50 H	278	46.90	-8.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	37.68	34.7 QP	40.0	-5.3	1.25 V	157	50.00	-15.30
2	99.89	38.6 QP	43.5	-4.9	1.00 V	55	57.40	-18.80
3	166.00	34.5 QP	43.5	-9.0	1.50 V	48	48.50	-14.00
4	300.16	43.0 QP	46.0	-3.0	1.00 V	153	55.20	-12.20
5	498.47	44.1 QP	46.0	-1.9	1.25 V	50	52.40	-8.30
6	900.94	34.0 QP	46.0	-12.0	1.50 V	114	34.40	-0.40

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)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

TEST MODE B

802.11a

CHANNEL	TX Channel 48	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		
TEST MODE	B		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	99.89	41.0 QP	43.5	-2.5	2.00 H	113	59.80	-18.80
2	166.00	41.1 QP	43.5	-2.4	1.51 H	16	55.10	-14.00
3	265.16	37.5 QP	46.0	-8.5	1.01 H	102	51.00	-13.50
4	527.64	36.3 QP	46.0	-9.7	1.51 H	120	44.10	-7.80
5	599.58	35.3 QP	46.0	-10.7	1.51 H	16	41.40	-6.10
6	900.94	36.8 QP	46.0	-9.2	1.51 H	130	37.20	-0.40
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	29.90	38.6 QP	40.0	-1.4	1.50 V	108	54.50	-15.90
2	99.89	38.3 QP	43.5	-5.2	1.24 V	56	57.10	-18.80
3	166.00	40.9 QP	43.5	-2.6	1.00 V	122	54.90	-14.00
4	265.16	35.8 QP	46.0	-10.2	1.50 V	179	49.30	-13.50
5	337.10	34.5 QP	46.0	-11.5	1.24 V	221	46.00	-11.50
6	498.47	43.6 QP	46.0	-2.4	1.24 V	285	51.90	-8.30

REMARKS:

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

TEST MODE C

802.11a

CHANNEL	TX Channel 157	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		
TEST MODE	C		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	57.12	33.0 QP	40.0	-7.0	1.99 H	246	47.60	-14.60
2	144.61	37.4 QP	43.5	-6.1	1.99 H	16	51.50	-14.10
3	239.88	37.8 QP	46.0	-8.2	1.24 H	180	52.50	-14.70
4	337.10	33.7 QP	46.0	-12.3	1.00 H	193	45.20	-11.50
5	527.64	37.1 QP	46.0	-8.9	1.50 H	112	44.90	-7.80
6	599.58	36.1 QP	46.0	-9.9	1.24 H	16	42.20	-6.10
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	166.00	31.8 QP	43.5	-11.7	1.00 V	140	45.80	-14.00
2	399.31	29.2 QP	46.0	-16.8	1.24 V	71	39.60	-10.40
3	533.47	33.0 QP	46.0	-13.0	1.00 V	139	40.80	-7.80
4	599.58	31.2 QP	46.0	-14.8	1.00 V	104	37.30	-6.10
5	757.06	28.5 QP	46.0	-17.5	1.99 V	73	31.30	-2.80
6	961.21	31.2 QP	54.0	-22.8	1.00 V	122	30.50	0.70

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)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

TEST MODE D

802.11ac (20MHz)

CHANNEL	TX Channel 157	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		
TEST MODE	D		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	66.84	34.3 QP	40.0	-5.7	1.25 H	12	49.90	-15.60
2	173.78	38.9 QP	43.5	-4.6	1.00 H	199	53.20	-14.30
3	267.10	37.5 QP	46.0	-8.5	1.50 H	112	50.90	-13.40
4	337.10	36.5 QP	46.0	-9.5	1.00 H	144	48.00	-11.50
5	498.47	40.5 QP	46.0	-5.5	1.25 H	192	48.80	-8.30
6	871.78	40.2 QP	46.0	-5.8	1.50 H	172	41.30	-1.10
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	66.84	34.3 QP	40.0	-5.7	1.25 V	168	49.90	-15.60
2	166.00	35.8 QP	43.5	-7.7	1.00 V	55	49.80	-14.00
3	300.16	41.4 QP	46.0	-4.6	1.50 V	5	53.60	-12.20
4	337.10	35.8 QP	46.0	-10.2	1.25 V	142	47.30	-11.50
5	500.42	43.7 QP	46.0	-2.3	1.00 V	79	52.00	-8.30
6	871.78	38.9 QP	46.0	-7.1	1.50 V	166	40.00	-1.10

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)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

TEST MODE E

802.11a

CHANNEL	TX Channel 40	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		
TEST MODE	E		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	267.10	41.2 QP	46.0	-4.8	1.24 H	129	54.60	-13.40
2	337.10	33.7 QP	46.0	-12.3	1.00 H	193	45.20	-11.50
3	527.64	37.1 QP	46.0	-8.9	1.50 H	112	44.90	-7.80
4	599.58	36.1 QP	46.0	-9.9	1.24 H	16	42.20	-6.10
5	755.12	32.3 QP	46.0	-13.7	1.00 H	74	35.20	-2.90
6	900.94	35.0 QP	46.0	-11.0	1.50 H	55	35.40	-0.40
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	166.00	31.8 QP	43.5	-11.7	1.00 V	140	45.80	-14.00
2	265.16	37.0 QP	46.0	-9.0	1.99 V	26	50.50	-13.50
3	337.10	32.3 QP	46.0	-13.7	1.49 V	233	43.80	-11.50
4	399.31	29.2 QP	46.0	-16.8	1.24 V	71	39.60	-10.40
5	533.47	33.0 QP	46.0	-13.0	1.00 V	139	40.80	-7.80
6	900.94	36.0 QP	46.0	-10.0	1.24 V	129	36.40	-0.40

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)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

TEST MODE F

802.11ac (20MHz)

CHANNEL	TX Channel 157	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		
TEST MODE	F		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	99.89	37.4 QP	43.5	-6.1	1.25 H	46	56.20	-18.80
2	144.61	33.2 QP	43.5	-10.3	1.50 H	20	47.30	-14.10
3	210.72	39.2 QP	43.5	-4.3	1.00 H	240	55.50	-16.30
4	337.10	35.3 QP	46.0	-10.7	1.25 H	149	46.80	-11.50
5	648.18	35.0 QP	46.0	-11.0	1.00 H	124	40.20	-5.20
6	700.68	43.7 QP	46.0	-2.3	1.50 H	133	48.00	-4.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	57.12	32.2 QP	40.0	-7.8	1.50 V	289	46.80	-14.60
2	99.89	38.2 QP	43.5	-5.3	1.00 V	66	57.00	-18.80
3	216.55	33.4 QP	46.0	-12.6	1.25 V	187	49.60	-16.20
4	337.10	32.7 QP	46.0	-13.3	1.50 V	55	44.20	-11.50
5	432.37	33.6 QP	46.0	-12.4	1.00 V	141	43.00	-9.40
6	609.30	30.9 QP	46.0	-15.1	1.25 V	143	36.70	-5.80

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)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

TEST MODE G

802.11a

CHANNEL	TX Channel 157	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		
TEST MODE	G		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	57.12	30.1 QP	40.0	-9.9	1.25 H	182	44.70	-14.60
2	210.72	39.2 QP	43.5	-4.3	1.00 H	238	55.50	-16.30
3	337.10	35.3 QP	46.0	-10.7	1.50 H	146	46.80	-11.50
4	611.24	34.5 QP	46.0	-11.5	1.00 H	70	40.30	-5.80
5	700.68	43.7 QP	46.0	-2.3	1.25 H	134	48.00	-4.30
6	897.05	40.7 QP	46.0	-5.3	1.25 H	333	41.20	-0.50
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	99.89	38.2 QP	43.5	-5.3	1.25 V	66	57.00	-18.80
2	216.55	33.4 QP	46.0	-12.6	1.00 V	187	49.60	-16.20
3	298.21	40.3 QP	46.0	-5.7	1.50 V	315	52.60	-12.30
4	432.37	33.6 QP	46.0	-12.4	1.25 V	141	43.00	-9.40
5	700.68	39.8 QP	46.0	-6.2	1.00 V	132	44.10	-4.30
6	897.05	38.7 QP	46.0	-7.3	1.50 V	166	39.20	-0.50

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)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

4.2 CONDUCTED EMISSION MEASUREMENT

4.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

NOTE: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCS30	100288	Apr. 24, 2014	Apr. 23, 2015
RF signal cable Woken	5D-FB	Cable-HYCO2-01	Dec. 27, 2013	Dec. 26, 2014
LISN ROHDE & SCHWARZ (EUT)	ESH2-Z5	100100	Dec. 23, 2013	Dec. 22, 2014
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100312	Jul. 10, 2014	Jul. 09, 2015
Software ADT	BV ADT_Cond_ V7.3.7.3	NA	NA	NA

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. The test was performed in HwaYa Shielded Room 2.

3. The VCCI Site Registration No. is C-2047.

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

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

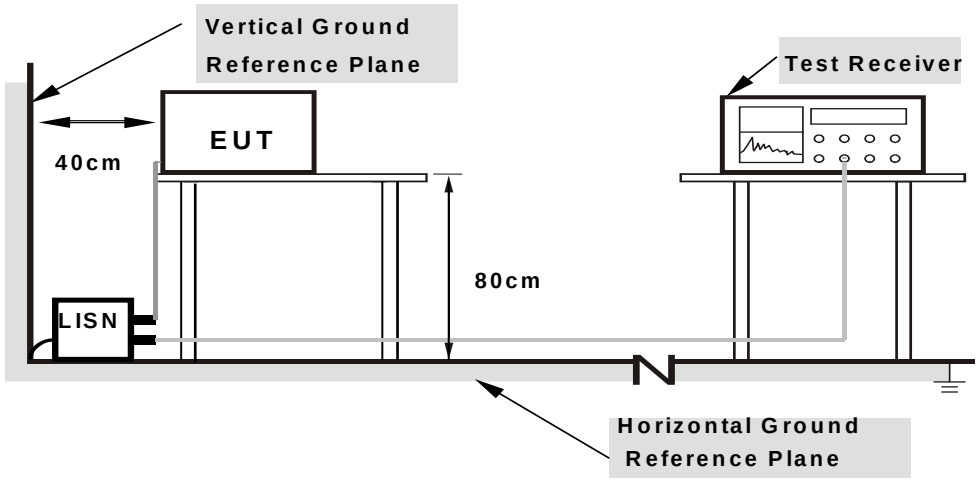
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) were not recorded.

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

4.2.4 DEVIATION FROM TEST STANDARD

No deviation.

4.2.5 TEST SETUP



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

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

4.2.6 EUT OPERATING CONDITIONS

Same as 4.1.6.

4.2.7 TEST RESULTS

CONDUCTED WORST-CASE DATA:

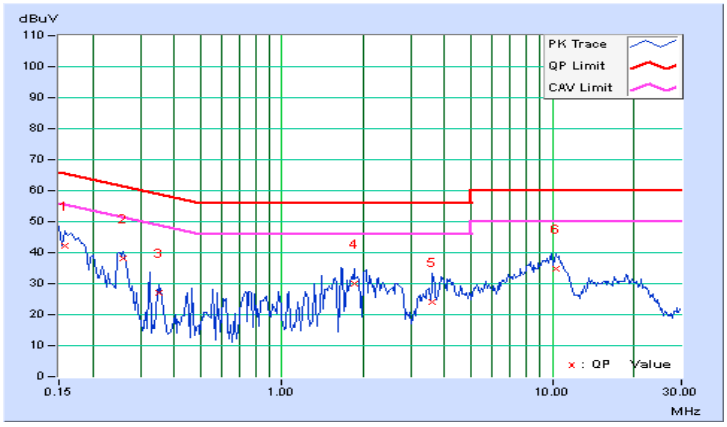
802.11ac (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	A		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15781	0.27	41.90	25.07	42.17	25.34	65.58	55.58	-23.41	-30.24
2	0.25938	0.29	37.82	26.31	38.11	26.60	61.45	51.45	-23.35	-24.86
3	0.34922	0.29	26.82	23.05	27.11	23.34	58.98	48.98	-31.87	-25.64
4	1.84766	0.36	29.59	25.73	29.95	26.09	56.00	46.00	-26.05	-19.91
5	3.60938	0.42	23.83	16.41	24.25	16.83	56.00	46.00	-31.75	-29.17
6	10.25391	0.50	34.20	28.92	34.70	29.42	60.00	50.00	-25.30	-20.58

REMARKS:

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

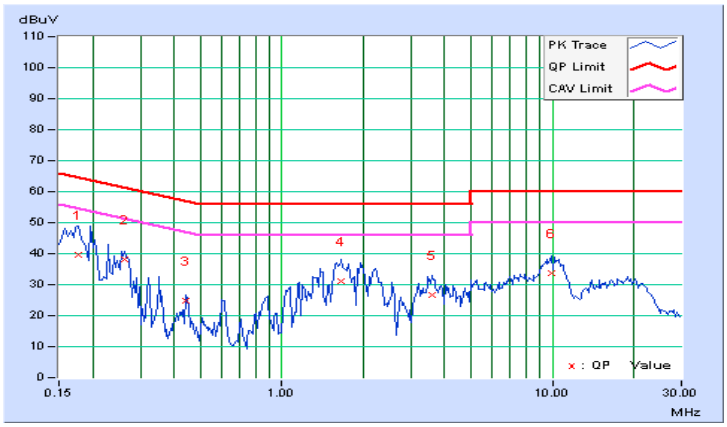


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	A		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17734	0.27	39.27	25.48	39.54	25.75	64.61	54.61	-25.07	-28.86
2	0.26328	0.29	37.88	24.99	38.17	25.28	61.33	51.33	-23.16	-26.05
3	0.44297	0.30	24.56	18.12	24.86	18.42	57.01	47.01	-32.14	-28.58
4	1.65234	0.36	30.83	20.21	31.19	20.57	56.00	46.00	-24.81	-25.43
5	3.59375	0.43	26.36	20.93	26.79	21.36	56.00	46.00	-29.21	-24.64
6	9.87891	0.52	33.09	27.92	33.61	28.44	60.00	50.00	-26.39	-21.56

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



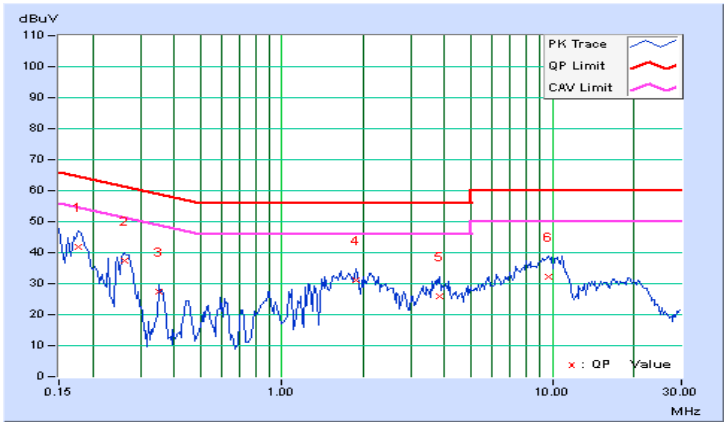
802.11a

PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	B		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17734	0.27	41.55	21.98	41.82	22.25	64.61	54.61	-22.79	-32.36
2	0.26328	0.29	37.09	25.68	37.38	25.97	61.33	51.33	-23.95	-25.36
3	0.35313	0.30	27.22	24.20	27.52	24.50	58.89	48.89	-31.37	-24.39
4	1.87891	0.36	30.73	17.28	31.09	17.64	56.00	46.00	-24.91	-28.36
5	3.84766	0.42	25.56	19.95	25.98	20.37	56.00	46.00	-30.02	-25.63
6	9.71094	0.50	31.55	26.19	32.05	26.69	60.00	50.00	-27.95	-23.31

REMARKS:

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

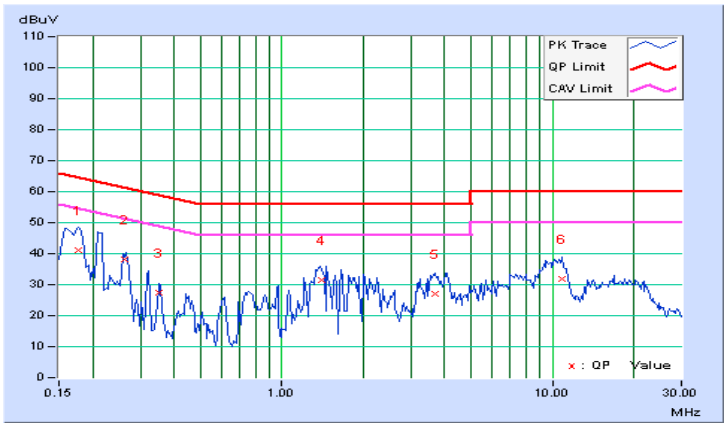


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	B		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17734	0.27	40.82	22.27	41.09	22.54	64.61	54.61	-23.52	-32.07
2	0.26083	0.29	37.98	28.43	38.27	28.72	61.40	51.40	-23.14	-22.69
3	0.35313	0.30	27.05	23.32	27.35	23.62	58.89	48.89	-31.54	-25.27
4	**1.40831**	**0.35**	**31.27**	**28.11**	**31.62**	**28.46**	**56.00**	**46.00**	**-24.38**	**-17.54**
5	3.69531	0.43	26.52	19.91	26.95	20.34	56.00	46.00	-29.05	-25.66
6	10.89844	0.53	31.49	26.09	32.02	26.62	60.00	50.00	-27.98	-23.38

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



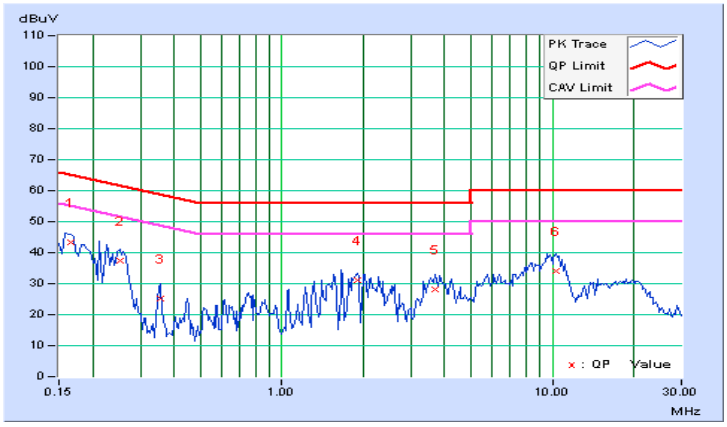
802.11a

PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	C		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16562	0.27	43.02	29.24	43.29	29.51	65.18	55.18	-21.89	-25.67
2	0.25156	0.29	37.02	19.29	37.31	19.58	61.71	51.71	-24.40	-32.13
3	0.35703	0.30	24.78	19.42	25.08	19.72	58.80	48.80	-33.72	-29.08
4	1.91378	0.36	30.90	23.63	31.26	23.99	56.00	46.00	-24.74	-22.01
5	3.69141	0.42	27.63	19.83	28.05	20.25	56.00	46.00	-27.95	-25.75
6	10.28516	0.50	33.59	28.46	34.09	28.96	60.00	50.00	-25.91	-21.04

REMARKS:

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

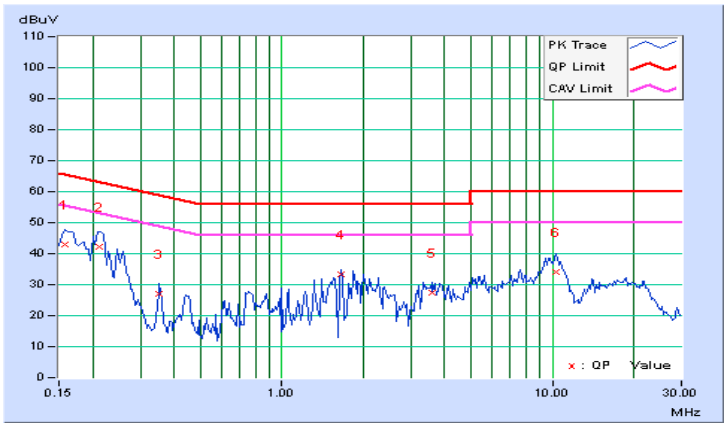


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	C		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15781	0.27	42.57	26.71	42.84	26.98	65.58	55.58	-22.74	-28.60
2	0.21250	0.28	41.79	15.78	42.07	16.06	63.11	53.11	-21.04	-37.05
3	0.35313	0.30	26.69	23.02	26.99	23.32	58.89	48.89	-31.90	-25.57
4	1.65625	0.36	33.12	24.92	33.48	25.28	56.00	46.00	-22.52	-20.72
5	3.58984	0.43	26.91	21.27	27.34	21.70	56.00	46.00	-28.66	-24.30
6	10.26172	0.52	33.38	28.38	33.90	28.90	60.00	50.00	-26.10	-21.10

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



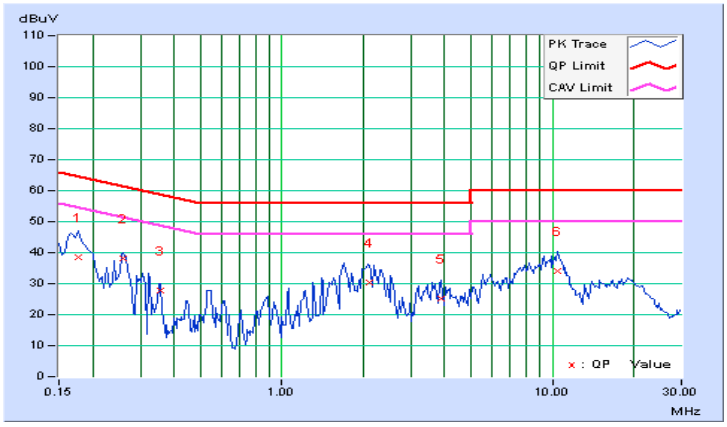
802.11ac (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	D		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17734	0.27	38.21	23.59	38.48	23.86	64.61	54.61	-26.13	-30.75
2	0.25938	0.29	37.84	26.35	38.13	26.64	61.45	51.45	-23.33	-24.82
3	0.35449	0.30	27.37	23.75	27.67	24.05	58.86	48.86	-31.19	-24.81
4	2.10500	0.36	30.14	24.82	30.50	25.18	56.00	46.00	-25.50	-20.82
5	3.86328	0.43	24.83	19.95	25.26	20.38	56.00	46.00	-30.74	-25.62
6	10.51172	0.50	33.61	28.60	34.11	29.10	60.00	50.00	-25.89	-20.90

REMARKS:

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

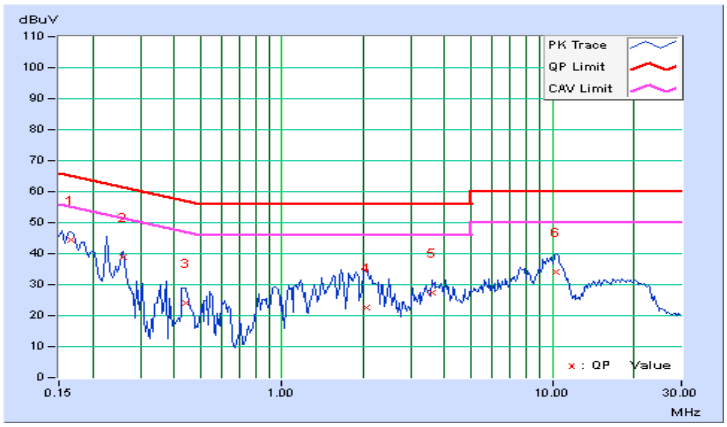


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	D		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16562	0.27	44.11	30.91	44.38	31.18	65.18	55.18	-20.80	-24.00
2	0.25938	0.29	38.60	29.19	38.89	29.48	61.45	51.45	-22.57	-21.98
3	0.44297	0.30	23.64	17.31	23.94	17.61	57.01	47.01	-33.06	-29.39
4	2.06641	0.37	22.18	16.66	22.55	17.03	56.00	46.00	-33.45	-28.97
5	3.59375	0.43	26.95	20.67	27.38	21.10	56.00	46.00	-28.62	-24.90
6	10.27734	0.52	33.51	28.31	34.03	28.83	60.00	50.00	-25.97	-21.17

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



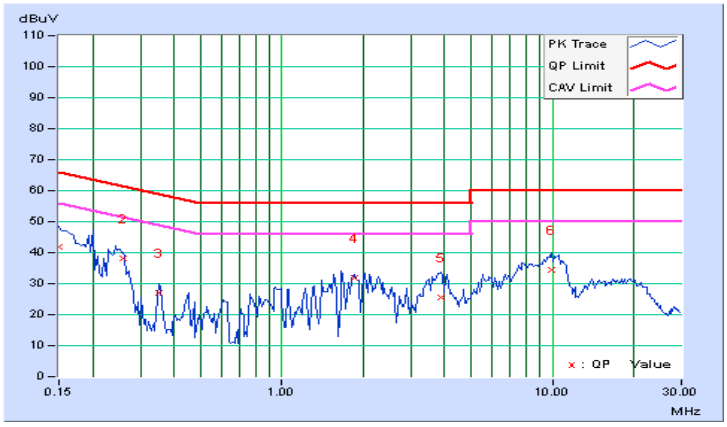
802.11a

PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	E		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.26	41.76	25.87	42.02	26.13	66.00	56.00	-23.98	-29.87
2	0.25900	0.29	37.70	25.47	37.99	25.76	61.46	51.46	-23.48	-25.71
3	0.34922	0.29	26.72	23.07	27.01	23.36	58.98	48.98	-31.97	-25.62
4	1.84766	0.36	31.61	25.79	31.97	26.15	56.00	46.00	-24.03	-19.85
5	3.85547	0.42	25.28	19.79	25.70	20.21	56.00	46.00	-30.30	-25.79
6	9.92578	0.50	33.95	28.88	34.45	29.38	60.00	50.00	-25.55	-20.62

REMARKS:

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

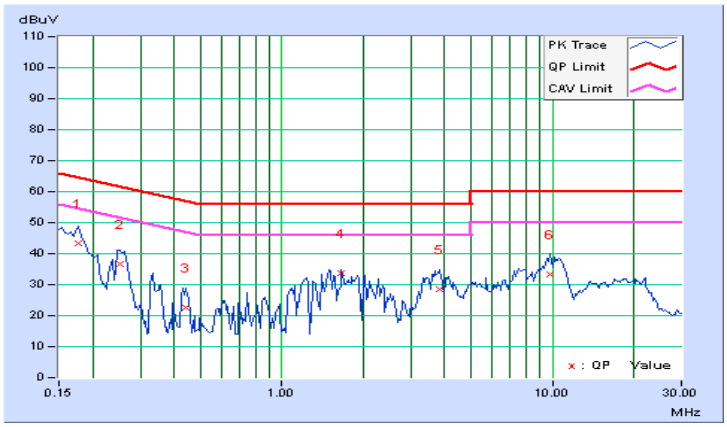


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	E		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17734	0.27	43.15	30.04	43.42	30.31	64.61	54.61	-21.19	-24.30
2	0.25156	0.29	36.34	21.96	36.63	22.25	61.71	51.71	-25.08	-29.46
3	0.43906	0.30	22.36	11.16	22.66	11.46	57.08	47.08	-34.42	-35.62
4	1.65625	0.36	33.51	23.66	33.87	24.02	56.00	46.00	-22.13	-21.98
5	3.84766	0.43	27.94	21.42	28.37	21.85	56.00	46.00	-27.63	-24.15
6	9.85938	0.52	32.74	27.78	33.26	28.30	60.00	50.00	-26.74	-21.70

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



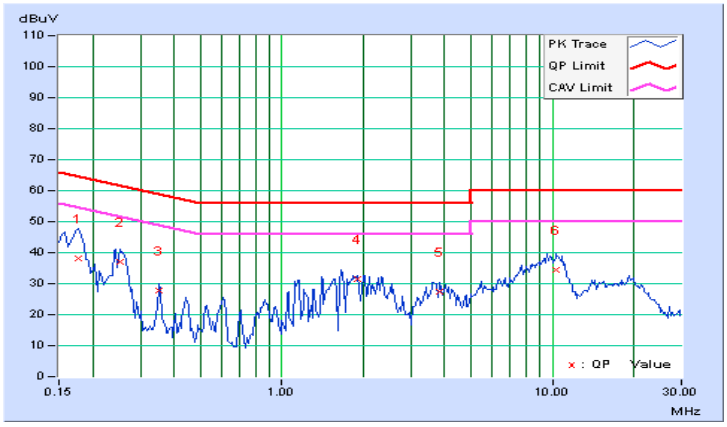
802.11ac (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	F		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17734	0.27	37.87	22.57	38.14	22.84	64.61	54.61	-26.47	-31.77
2	0.25156	0.29	36.73	21.80	37.02	22.09	61.71	51.71	-24.69	-29.62
3	0.35313	0.30	27.46	24.59	27.76	24.89	58.89	48.89	-31.13	-24.00
4	1.91388	0.36	31.14	22.93	31.50	23.29	56.00	46.00	-24.50	-22.71
5	3.83984	0.42	27.06	20.27	27.48	20.69	56.00	46.00	-28.52	-25.31
6	10.26953	0.50	34.06	28.88	34.56	29.38	60.00	50.00	-25.44	-20.62

REMARKS:

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

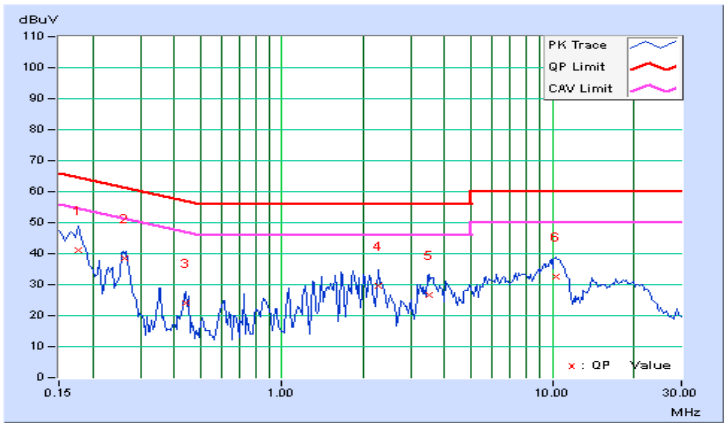


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	F		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17734	0.27	40.98	24.41	41.25	24.68	64.61	54.61	-23.36	-29.93
2	0.26210	0.29	38.16	27.16	38.45	27.45	61.36	51.36	-22.92	-23.92
3	0.44297	0.30	23.87	17.35	24.17	17.65	57.01	47.01	-32.83	-29.35
4	2.27734	0.38	29.16	23.50	29.54	23.88	56.00	46.00	-26.46	-22.12
5	3.48438	0.42	26.11	15.25	26.53	15.67	56.00	46.00	-29.47	-30.33
6	10.32813	0.52	32.17	26.99	32.69	27.51	60.00	50.00	-27.31	-22.49

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



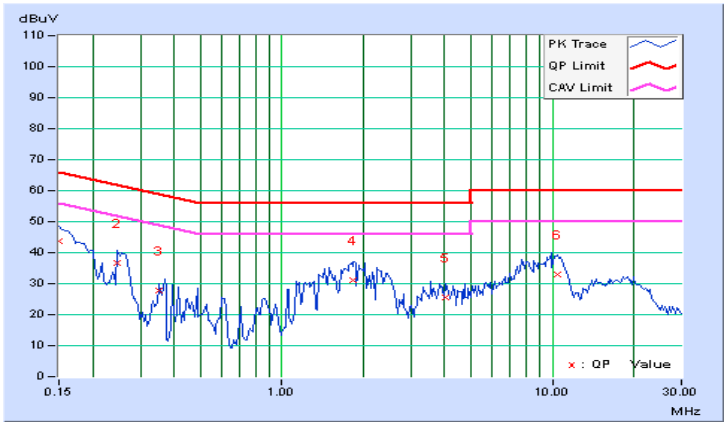
802.11a

PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	G		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.26	43.58	26.80	43.84	27.06	66.00	56.00	-22.16	-28.94
2	0.24766	0.28	36.47	17.91	36.75	18.19	61.84	51.84	-25.08	-33.64
3	0.35350	0.30	27.48	24.16	27.78	24.46	58.88	48.88	-31.10	-24.42
4	1.83984	0.36	30.76	23.33	31.12	23.69	56.00	46.00	-24.88	-22.31
5	4.01953	0.43	25.10	16.95	25.53	17.38	56.00	46.00	-30.47	-28.62
6	10.42578	0.50	32.45	26.79	32.95	27.29	60.00	50.00	-27.05	-22.71

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

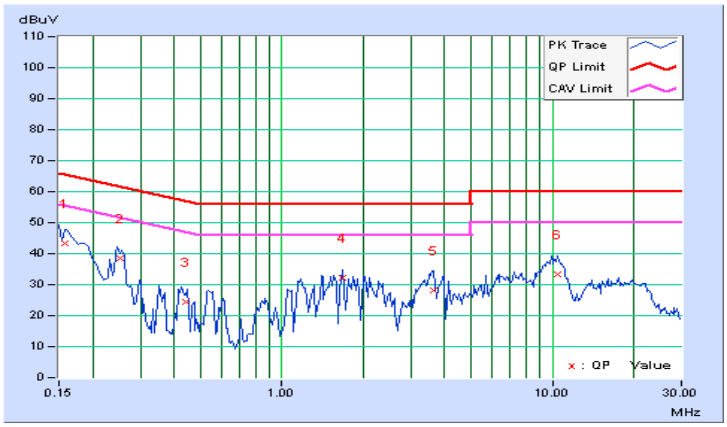


PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	G		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15781	0.27	42.88	28.19	43.15	28.46	65.58	55.58	-22.43	-27.12
2	0.25402	0.29	38.30	26.54	38.59	26.83	61.62	51.62	-23.04	-24.80
3	0.44377	0.30	24.23	17.13	24.53	17.43	56.99	46.99	-32.46	-29.56
4	1.67188	0.36	31.90	26.22	32.26	26.58	56.00	46.00	-23.74	-19.42
5	3.66016	0.43	27.81	17.33	28.24	17.76	56.00	46.00	-27.76	-28.24
6	10.46875	0.52	32.69	27.34	33.21	27.86	60.00	50.00	-26.79	-22.14

REMARKS:

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



4.3 TRANSMIT POWER MEASUREMENT

4.3.1 LIMITS OF TRANSMIT POWER MEASUREMENT

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

*B is the 26 dB emission bandwidth in megahertz

*For U-NII-1: Only test mode B was “Fixed point-to-point Access Point”.

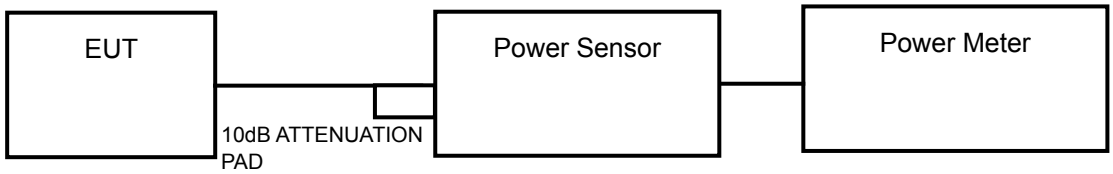
Only test mode C was “Outdoor Access Point”. The others were “Indoor Access Point”

Per KDB 662911 D01 Multiple Transmitter Output v02r01 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 SETUP



4.3.3 TEST INSTRUMENTS

Refer to section 4.1.3 to get information of above instrument.

4.3.4 TEST PROCEDURE

FOR AVERAGE POWER MEASUREMENT

For 802.11a, 802.11ac (20MHz), 802.11ac (40MHz)

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

For 802.11ac (80MHz)

1) Set span to encompass the entire 26 dB EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal.
2) Set sweep trigger to “free run”.
3) Set RBW = 1 MHz.
4) Set VBW ≥ 3 MHz
5) Number of points in sweep ≥ 2 Span / RBW.
6) Sweep time ≤ (number of points in sweep) * T
7) Detector = RMS.
8) Trace mode = max hold.
9) Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

4.3.5 DEVIATION FROM TEST STANDARD

No deviation.

4.3.6 EUT OPERATING CONDITIONS

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

4.3.7 TEST RESULTS

POWER OUTPUT:

TEST MODE A

802.11a

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
36	5180	20.21	19.22	20.31	295.913	24.71	30	PASS
40	5200	22.57	20.99	22.27	474.975	26.77	30	PASS
48	5240	21.77	20.63	21.98	423.686	26.27	30	PASS
149	5745	19.31	18.21	18.29	218.985	23.40	30	PASS
157	5785	25.11	24.14	24.91	893.500	29.51	30	PASS
165	5825	17.21	16.29	17.38	149.864	21.76	30	PASS

802.11ac (20MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
36	5180	19.89	19.01	20.03	277.808	24.44	30	PASS
40	5200	22.62	20.88	22.13	468.577	26.71	30	PASS
48	5240	22.26	21.03	22.54	474.505	26.76	30	PASS
149	5745	19.24	18.04	19.11	229.096	23.60	30	PASS
157	5785	25.11	24.35	24.94	**908.499**	29.58	30	PASS
165	5825	17.29	16.89	17.42	157.653	21.98	30	PASS

802.11ac (40MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
38	5190	16.42	15.74	16.82	129.434	21.12	30	PASS
46	5230	23.01	22.42	23.21	**583.979**	27.66	30	PASS
151	5755	17.11	16.92	17.34	154.808	21.90	30	PASS
159	5795	19.81	19.11	20.12	279.991	24.47	30	PASS

802.11ac (80MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
42	5210	15.24	14.92	15.41	99.220	19.97	30	PASS
155	5775	14.32	13.92	14.97	83.105	19.20	30	PASS

TEST MODE B

802.11a

CHAN.	FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1				
36	5180	13.64	12.95	42.845	16.32	30	PASS
40	5200	16.30	15.86	**81.206**	19.10	30	PASS
48	5240	15.95	15.13	71.939	18.57	30	PASS
149	5745	8.19	7.89	12.744	11.05	30	PASS
157	5785	7.95	8.28	**12.967**	11.13	30	PASS
165	5825	7.06	7.41	10.590	10.25	30	PASS

802.11ac (20MHz)

CHAN.	FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1				
36	5180	13.26	12.74	39.977	16.02	30	PASS
40	5200	15.22	14.59	62.040	17.93	30	PASS
48	5240	15.77	15.28	71.486	18.54	30	PASS
149	5745	8.01	7.44	11.870	10.74	30	PASS
157	5785	8.00	8.03	12.663	11.03	30	PASS
165	5825	7.01	7.45	10.582	10.25	30	PASS

802.11ac (40MHz)

CHAN.	FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1				
38	5190	6.60	5.89	8.453	9.27	30	PASS
46	5230	13.58	13.19	43.648	16.40	30	PASS
151	5755	5.65	5.44	7.172	8.56	30	PASS
159	5795	8.00	8.17	12.871	11.10	30	PASS

802.11ac (80MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1				
42	5210	1.84	1.20	2.846	4.54	30	PASS
155	5775	-0.31	-0.25	1.8752	2.73	30	PASS

TEST MODE C
For U-NII-1 Band (Outdoor Access Point)
802.11a

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	GAIN (dBi)	EIRP (dBm)	EIRP LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2							
36	5180	11.64	11.06	12.14	43.720	16.41	24.50	1.45	17.86	21	PASS
40	5200	11.34	10.79	11.56	39.931	16.01	24.50	1.45	17.46	21	PASS
48	5240	11.20	11.34	11.82	42.002	16.23	24.50	1.45	17.68	21	PASS

Gain = 11.5 > 6dBi, so the conducted power limit shall be reduced to 30-(11.5-6) = 24.5dBm.
Gain = 1.45 (above 30 degrees from the horizon),
so the EIRP = conducted power + 1.45dBi + array gain = 0 dB (i.e., no array gain) for NANT ≤ 4.

802.11ac (20MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	GAIN (dBi)	EIRP (dBm)	EIRP LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2							
36	5180	11.54	11.01	11.64	41.462	16.18	24.50	1.45	17.63	21	PASS
40	5200	11.72	11.13	11.79	42.932	16.33	24.50	1.45	17.78	21	PASS
48	5240	11.28	11.19	11.69	41.337	16.16	24.50	1.45	17.61	21	PASS

Gain = 11.5 > 6dBi, so the conducted power limit shall be reduced to 30-(11.5-6) = 24.5dBm.
Gain = 1.45 (above 30 degrees from the horizon),
so the EIRP = conducted power + 1.45dBi + array gain = 0 dB (i.e., no array gain) for NANT ≤ 4.

802.11ac (40MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	GAIN (dBi)	EIRP (dBm)	EIRP LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2							
38	5190	12.05	11.21	11.81	**44.416**	16.48	24.50	1.45	17.93	21	PASS
46	5230	11.44	11.33	12.01	43.400	16.37	24.50	1.45	17.82	21	PASS

Gain = 11.5 > 6dBi, so the conducted power limit shall be reduced to 30-(11.5-6) = 24.5dBm.
Gain = 1.45 (above 30 degrees from the horizon),
so the EIRP = conducted power + 1.45dBi + array gain = 0 dB (i.e., no array gain) for NANT ≤ 4.

802.11ac (80MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	GAIN (dBi)	EIRP (dBm)	EIRP LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2							
42	5210	11.50	11.79	11.39	42.998	16.33	24.50	1.45	17.78	21	PASS

Gain = 11.5 > 6dBi, so the conducted power limit shall be reduced to 30-(11.5-6) = 24.5dBm.
Gain = 1.45 (above 30 degrees from the horizon),
so the EIRP = conducted power + 1.45dBi + array gain = 0 dB (i.e., no array gain) for NANT ≤ 4.

For U-NII-3 Band

802.11a

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	17.77	16.79	17.88	168.970	22.28	24.50	PASS
157	5785	19.87	18.63	18.69	243.958	23.87	24.50	PASS
165	5825	19.21	18.54	18.39	223.842	23.50	24.50	PASS

Gain = 11.5 > 6dBi, so the conducted power limit shall be reduced to 30-(11.5-6) = 24.5dBm.

802.11ac (20MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	17.67	16.84	17.62	164.595	22.16	24.50	PASS
157	5785	19.79	18.59	18.78	243.066	23.86	24.50	PASS
165	5825	19.34	18.42	18.72	229.876	23.61	24.50	PASS

Gain = 11.5 > 6dBi, so the conducted power limit shall be reduced to 30-(11.5-6) = 24.5dBm.

802.11ac (40MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
151	5755	17.71	16.73	16.77	153.652	21.87	24.50	PASS
159	5795	20.25	19.05	19.52	**275.814**	24.41	24.50	PASS

Gain = 11.5 > 6dBi, so the conducted power limit shall be reduced to 30-(11.5-6) = 24.5dBm.

802.11ac (80MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
155	5775	11.42	10.72	11.84	40.947	16.12	24.50	PASS

Gain = 11.5 > 6dBi, so the conducted power limit shall be reduced to 30-(11.5-6) = 24.5dBm.

TEST MODE D

802.11a

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
36	5180	19.24	18.24	19.11	232.097	23.66	28	PASS
40	5200	18.49	17.43	18.80	201.825	23.05	28	PASS
48	5240	19.11	18.06	19.21	228.811	23.59	28	PASS
149	5745	20.72	19.85	20.92	338.232	25.29	28	PASS
157	5785	23.30	22.03	23.05	575.221	27.60	28	PASS
165	5825	20.33	19.03	20.48	299.564	24.76	28	PASS

Gain = 8 > 6dBi, so the conducted power limit shall be reduced to 30-(8-6) = 28dBm.

802.11ac (20MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
36	5180	18.91	17.71	19.08	217.734	23.38	28	PASS
40	5200	19.31	17.86	18.87	223.494	23.49	28	PASS
48	5240	18.92	17.94	19.22	223.773	23.50	28	PASS
149	5745	21.21	20.42	20.49	354.228	25.49	28	PASS
157	5785	23.70	22.50	23.11	**616.895**	27.90	28	PASS
165	5825	21.13	20.11	20.92	355.878	25.51	28	PASS

Gain = 8 > 6dBi, so the conducted power limit shall be reduced to 30-(8-6) = 28dBm.

802.11ac (40MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
38	5190	15.34	14.72	15.82	102.040	20.09	28	PASS
46	5230	22.51	21.22	22.05	**470.997**	26.73	28	PASS
151	5755	17.21	16.23	16.27	136.942	21.37	28	PASS
159	5795	20.14	19.11	19.42	272.244	24.35	28	PASS

Gain = 8 > 6dBi, so the conducted power limit shall be reduced to 30-(8-6) = 28dBm.

802.11ac (80MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
42	5210	12.43	11.54	12.64	50.119	17.00	28	PASS
155	5775	15.01	14.42	15.21	92.554	19.66	28	PASS

Gain = 8 > 6dBi, so the conducted power limit shall be reduced to 30-(8-6) = 28dBm.

TEST MODE E

802.11a

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
36	5180	19.41	18.11	19.25	236.151	23.73	30	PASS
40	5200	23.21	22.79	23.49	622.876	27.94	30	PASS
48	5240	24.73	23.51	25.24	855.750	29.32	30	PASS
149	5745	21.31	19.24	20.96	343.891	25.36	30	PASS
157	5785	21.42	19.88	21.42	374.627	25.74	30	PASS
165	5825	21.31	19.72	21.62	374.174	25.73	30	PASS

802.11ac (20MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
36	5180	19.21	18.12	19.43	235.931	23.73	30	PASS
40	5200	22.79	22.12	23.33	568.316	27.55	30	PASS
48	5240	25.11	23.88	25.12	**893.770**	29.51	30	PASS
149	5745	21.32	19.92	20.99	359.297	25.55	30	PASS
157	5785	23.11	22.10	23.11	**571.469**	27.57	30	PASS
165	5825	21.33	20.42	20.92	369.580	25.68	30	PASS

802.11ac (40MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
38	5190	15.62	14.62	15.92	104.532	20.19	30	PASS
46	5230	21.30	20.11	22.92	433.345	26.37	30	PASS
151	5755	21.11	19.39	21.53	358.251	25.54	30	PASS
159	5795	21.10	19.88	22.04	386.056	25.87	30	PASS

802.11ac (80MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
42	5210	10.34	9.92	10.93	33.019	15.19	30	PASS
155	5775	15.01	14.11	14.82	87.798	19.43	30	PASS

TEST MODE F

802.11a

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
36	5180	19.24	18.24	19.11	232.097	23.66	29.00	PASS
40	5200	20.26	18.98	20.38	294.382	24.69	29.00	PASS
48	5240	20.53	19.32	20.93	322.367	25.08	29.00	PASS
149	5745	20.34	18.11	19.47	261.369	24.17	29.00	PASS
157	5785	19.56	18.41	19.21	243.076	23.86	29.00	PASS
165	5825	19.33	18.24	19.32	237.892	23.76	29.00	PASS

Gain = 7 > 6dBi, so the conducted power limit shall be reduced to 30-(7-6) = 29dBm.

802.11ac (20MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
36	5180	19.53	18.13	19.24	238.702	23.78	29.00	PASS
40	5200	20.87	19.46	20.88	332.950	25.22	29.00	PASS
48	5240	20.63	19.60	21.09	335.341	25.25	29.00	PASS
149	5745	19.53	18.63	18.79	238.372	23.77	29.00	PASS
157	5785	21.22	19.47	20.83	**342.006**	25.34	29.00	PASS
165	5825	21.44	19.21	20.34	330.827	25.20	29.00	PASS

Gain = 7 > 6dBi, so the conducted power limit shall be reduced to 30-(7-6) = 29dBm.

802.11ac (40MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
38	5190	16.01	15.24	16.31	116.078	20.65	29.00	PASS
46	5230	23.41	22.41	23.99	**644.072**	28.09	29.00	PASS
151	5755	17.11	16.14	16.27	134.883	21.30	29.00	PASS
159	5795	21.11	19.32	20.48	326.315	25.14	29.00	PASS

Gain = 7 > 6dBi, so the conducted power limit shall be reduced to 30-(7-6) = 29dBm.

802.11ac (80MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
42	5210	12.43	11.41	12.65	49.742	16.97	29.00	PASS
155	5775	14.86	13.24	14.27	78.436	18.95	29.00	PASS

Gain = 7 > 6dBi, so the conducted power limit shall be reduced to 30-(7-6) = 29dBm.

TEST MODE G

802.11a

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
36	5180	19.84	18.68	20.16	273.926	24.38	28.80	PASS
40	5200	19.98	18.48	19.96	269.093	24.30	28.80	PASS
48	5240	20.09	19.20	20.58	299.558	24.76	28.80	PASS
149	5745	20.22	18.01	19.30	253.551	24.04	28.80	PASS
157	5785	21.32	19.89	20.38	342.162	25.34	28.80	PASS
165	5825	20.71	18.72	19.56	282.599	24.51	28.80	PASS

Gain = 7.2 > 6dBi, so the conducted power limit shall be reduced to 30-(7.2-6) = 28.8dBm.

802.11ac (20MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
36	5180	19.63	18.04	19.38	242.209	23.84	28.80	PASS
40	5200	20.18	19.08	20.45	296.059	24.71	28.80	PASS
48	5240	20.06	18.86	19.78	273.364	24.37	28.80	PASS
149	5745	19.21	18.03	18.35	215.292	23.33	28.80	PASS
157	5785	21.39	19.49	20.47	338.070	25.29	28.80	PASS
165	5825	21.05	19.34	20.22	318.447	25.03	28.80	PASS

Gain = 7.2 > 6dBi, so the conducted power limit shall be reduced to 30-(7.2-6) = 28.8dBm.

802.11ac (40MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
38	5190	15.34	14.49	15.46	97.473	19.89	28.80	PASS
46	5230	22.97	22.09	23.80	**599.844**	27.78	28.80	PASS
151	5755	17.15	16.34	16.78	142.576	21.54	28.80	PASS
159	5795	23.56	22.38	23.06	**602.270**	27.80	28.80	PASS

Gain = 7.2 > 6dBi, so the conducted power limit shall be reduced to 30-(7.2-6) = 28.8dBm.

802.11ac (80MHz)

CHAN.	CHAN. FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
42	5210	12.42	11.35	12.35	48.283	16.84	28.80	PASS
155	5775	14.86	13.74	14.38	81.695	19.12	28.80	PASS

Gain = 7.2 > 6dBi, so the conducted power limit shall be reduced to 30-(7.2-6) = 28.8dBm.

4.4 PEAK POWER SPECTRAL DENSITY MEASUREMENT

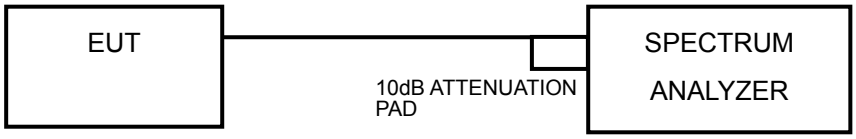
4.4.1 LIMITS OF PEAK POWER SPECTRAL DENSITY MEASUREMENT

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

*For U-NII-1: Antenna #2 is dedicated for “Fixed point-to-point Access Point”.

Antenna #3 is dedicated for “Outdoor Access Point”. The rest are for “Indoor Access Point”

4.4.2 TEST SETUP



4.4.3 TEST INSTRUMENTS

Refer to section 4.1.3 to get information of above instrument.

4.4.4 TEST PROCEDURES

For U-NII-1band:

Using method SA-2

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 and add 10 log (1/duty cycle)

For U-NII-3 band:

1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
2) Set RBW = 500 kHz, Set VBW ≥ 3 RBW, 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)

4.4.5 DEVIATION FROM TEST STANDARD

No deviation.

4.4.6 EUT OPERATING CONDITIONS

Same as 4.3.6.

4.4.7 TEST RESULTS

TEST MODE A

For U-NII-1 Band

802.11a

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
36	5180	7.60	7.10	7.18	12.07	0.15	12.22	13.23	PASS
40	5200	8.51	7.59	8.20	12.89	0.15	13.04	13.23	PASS
48	5240	8.74	7.43	7.94	12.84	0.15	13.00	13.23	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. **For U-NII-1 Band:**

   Directional gain = 5dBi + 10log(3) = 9.77dBi > 6dBi , so the power density limit shall be reduced to 17-(9.77-6) = 13.23dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (20MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
36	5180	6.89	6.01	7.26	11.52	0.16	11.68	13.23	PASS
40	5200	8.48	7.52	8.67	13.02	0.16	13.18	13.23	PASS
48	5240	8.41	7.20	8.68	12.91	0.16	13.07	13.23	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. **For U-NII-1 Band:**

   Directional gain = 5dBi + 10log(3) = 9.77dBi > 6dBi , so the power density limit shall be reduced to 17-(9.77-6) = 13.23dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (40MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
38	5190	-1.07	-1.54	-0.47	3.77	0.30	4.07	13.23	PASS
46	5230	6.83	5.77	6.87	11.29	0.30	11.59	13.23	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. **For U-NII-1 Band:**

   Directional gain = 5dBi + 10log(3) = 9.77dBi > 6dBi , so the power density limit shall be reduced to 17-(9.77-6) = 13.23dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (80MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
42	5210	-4.99	-6.33	-5.64	-0.85	0.69	-0.16	13.23	PASS

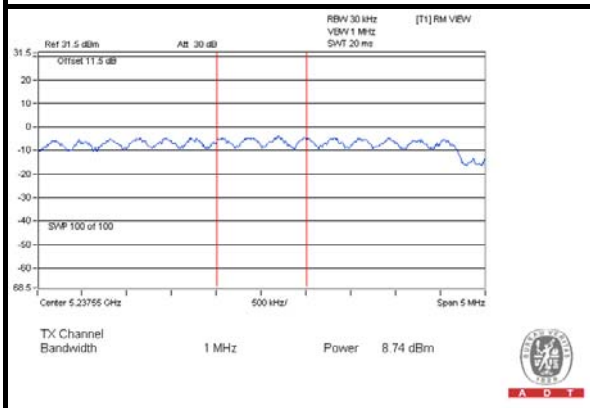
NOTE:

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. **For U-NII-1 Band:**

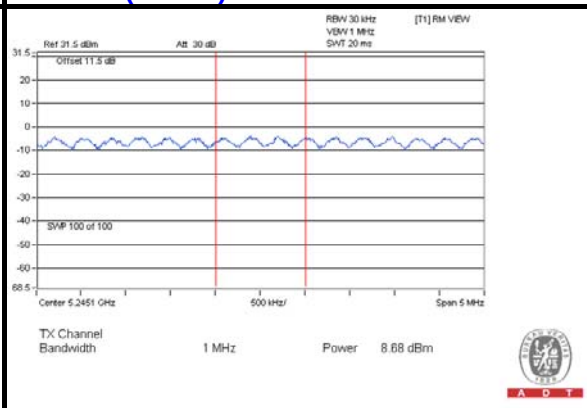
   Directional gain = 5dBi + 10log(3) = 9.77dBi > 6dBi , so the power density limit shall be reduced to 17-(9.77-6) = 13.23dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

SPECTRUM PLOT OF WORST VALUE

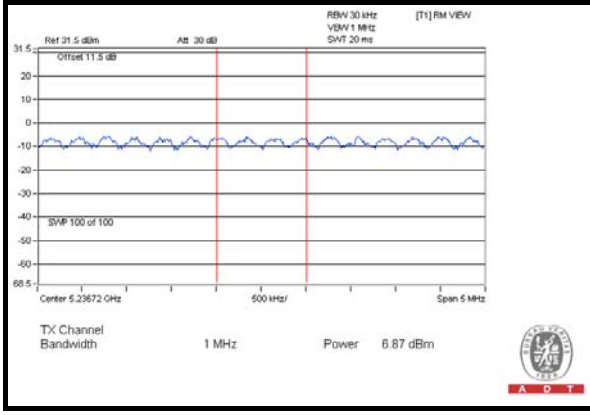
802.11a



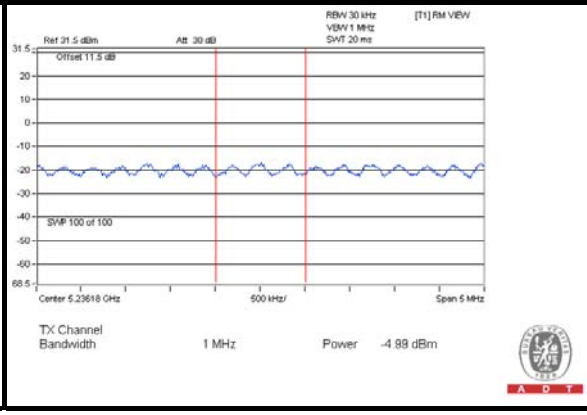
802.11ac (20MHz)



802.11ac (40MHz)



802.11ac (80MHz)



For U-NII-3 Band

802.11a

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	149	5745	-4.00	-1.78	4.77	2.99	26.23	PASS
	157	5785	1.98	4.20	4.77	8.97	26.23	PASS
	165	5825	-5.10	-2.88	4.77	1.89	26.23	PASS
1	149	5745	-4.28	-2.06	4.77	2.71	26.23	PASS
	157	5785	2.06	4.28	4.77	9.05	26.23	PASS
	165	5825	-4.48	-2.26	4.77	2.51	26.23	PASS
2	149	5745	-2.51	-0.29	4.77	4.48	26.23	PASS
	157	5785	2.12	4.34	4.77	9.11	26.23	PASS
	165	5825	-4.16	-1.94	4.77	2.83	26.23	PASS

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

802.11ac (20MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	149	5745	-4.14	-1.92	4.77	2.85	26.23	PASS
	157	5785	2.04	4.26	4.77	9.03	26.23	PASS
	165	5825	-4.93	-2.71	4.77	2.06	26.23	PASS
1	149	5745	-4.51	-2.29	4.77	2.48	26.23	PASS
	157	5785	2.18	4.40	4.77	9.17	26.23	PASS
	165	5825	-4.40	-2.18	4.77	2.59	26.23	PASS
2	149	5745	-3.01	-0.79	4.77	3.98	26.23	PASS
	157	5785	3.68	5.90	4.77	10.67	26.23	PASS
	165	5825	-3.72	-1.50	4.77	3.27	26.23	PASS

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

802.11ac (40MHz)

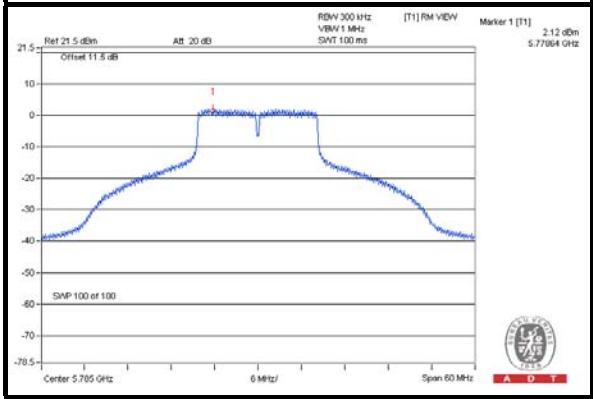
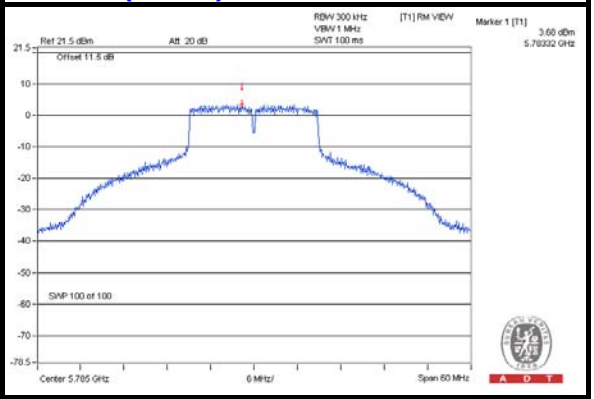
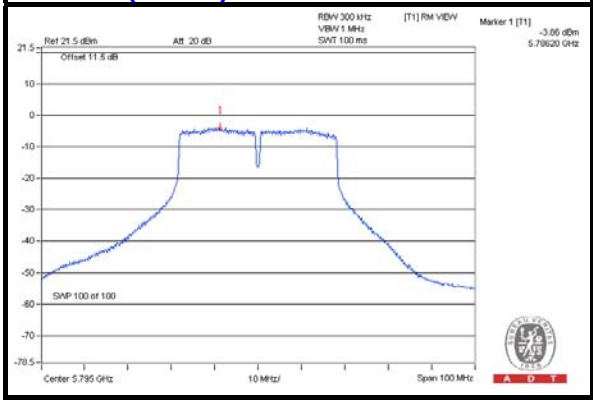
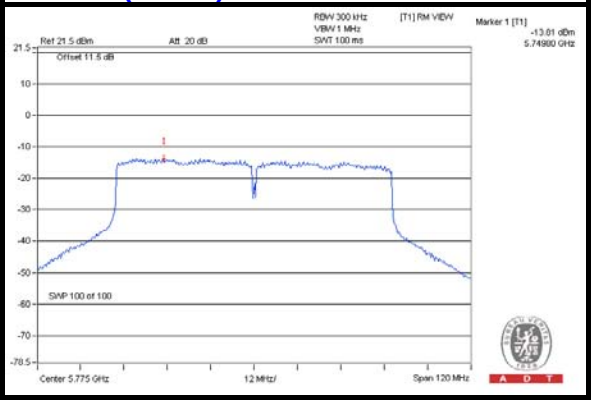
TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	151	5755	-8.62	-6.40	4.77	-1.63	26.23	PASS
	159	5795	-5.59	-3.37	4.77	1.40	26.23	PASS
1	151	5755	-8.82	-6.60	4.77	-1.83	26.23	PASS
	159	5795	-5.67	-3.45	4.77	1.32	26.23	PASS
2	151	5755	-7.78	-5.56	4.77	-0.79	26.23	PASS
	159	5795	-3.86	-1.64	4.77	3.13	26.23	PASS

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

802.11ac (80MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	155	5775	-15.12	-12.90	4.77	-8.13	26.23	PASS
1	155	5775	-14.76	-12.54	4.77	-7.77	26.23	PASS
2	155	5775	-13.81	-11.59	4.77	-6.82	26.23	PASS

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

SPECTRUM PLOT OF WORST VALUE	
802.11a	**802.11ac (20MHz)**
	
802.11ac (40MHz)	**802.11ac (80MHz)**
	

TEST MODE B

For U-NII-1 Band

802.11a

CHAN.	FREQ. (MHz)	PSD (dBm)		TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1					
36	5180	1.52	0.39	4.01	0.14	4.15	13.99	PASS
40	5200	4.39	3.24	6.87	0.14	7.01	13.99	PASS
48	5240	4.14	2.96	6.61	0.14	6.75	13.99	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. **For U-NII-1 Band:**

   Directional gain = 23dBi + 10log(2) = 26.01dBi > 23dBi , so the power density limit shall be reduced to 17-(26.01-23) = 13.99dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (20MHz)

CHAN.	FREQ. (MHz)	PSD (dBm)		TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1					
36	5180	0.91	-0.13	3.43	0.15	3.58	13.99	PASS
40	5200	3.01	1.95	5.52	0.15	5.67	13.99	PASS
48	5240	3.74	2.51	6.18	0.15	6.33	13.99	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. **For U-NII-1 Band:**

   Directional gain = 23dBi + 10log(2) = 26.01dBi > 23dBi , so the power density limit shall be reduced to 17-(26.01-23) = 13.99dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (40MHz)

CHAN.	FREQ. (MHz)	PSD (dBm)		TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1					
38	5190	-9.43	-10.80	-7.05	0.34	-6.71	13.99	PASS
46	5230	-1.84	-3.16	0.56	0.34	0.90	13.99	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. **For U-NII-1 Band:**

   Directional gain = 23dBi + 10log(2) = 26.01dBi > 23dBi , so the power density limit shall be reduced to 17-(26.01-23) = 13.99dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (80MHz)

CHAN.	FREQ. (MHz)	PSD (dBm)		TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1					
42	5210	-17.01	-18.34	-14.60	0.57	-14.03	13.99	PASS

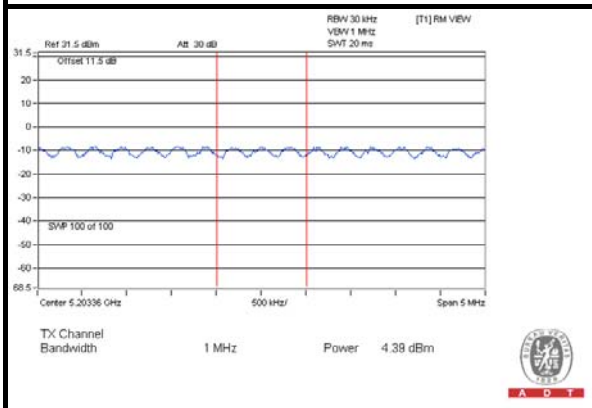
NOTE:

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. **For U-NII-1 Band:**

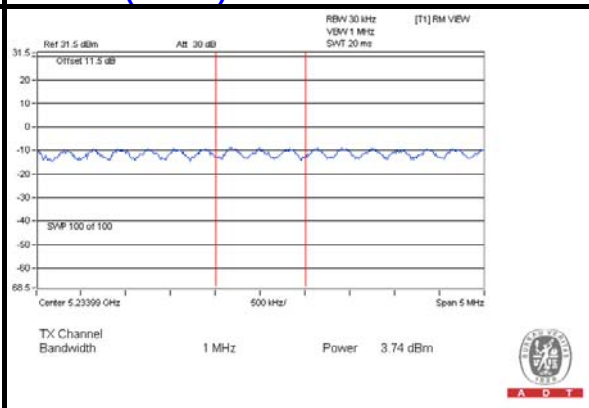
   Directional gain = 23dBi + 10log(2) = 26.01dBi > 23dBi , so the power density limit shall be reduced to 17-(26.01-23) = 13.99dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

SPECTRUM PLOT OF WORST VALUE

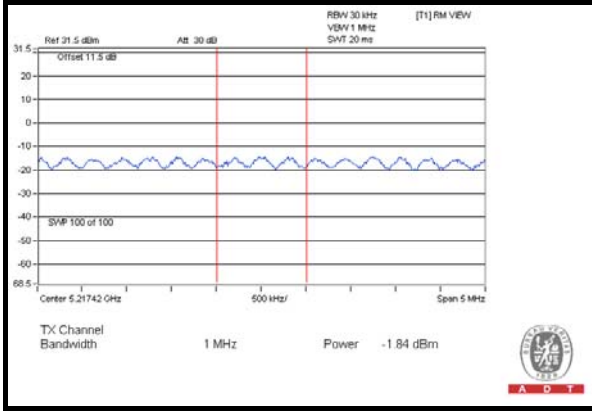
802.11a



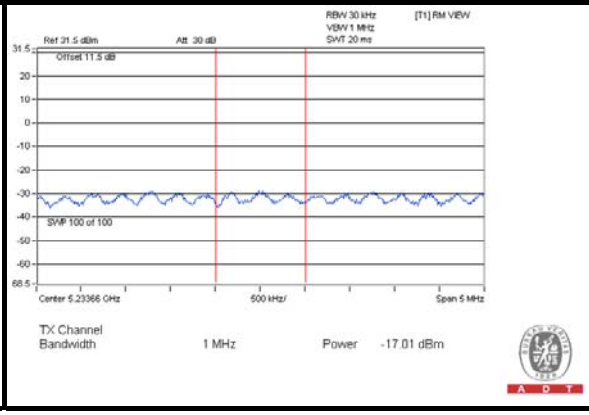
802.11ac (20MHz)



802.11ac (40MHz)



802.11ac (80MHz)



For U-NII-3 Band

802.11a

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	149	5745	-13.66	-11.44	3.01	-8.43	9.99	PASS
	157	5785	-13.67	-11.45	3.01	-8.44	9.99	PASS
	165	5825	-14.56	-12.34	3.01	-9.33	9.99	PASS
1	149	5745	-13.65	-11.43	3.01	-8.42	9.99	PASS
	157	5785	-13.67	-11.45	3.01	-8.44	9.99	PASS
	165	5825	-14.03	-11.81	3.01	-8.80	9.99	PASS

NOTE: Directional gain = 23dBi + 10log(2) = 26.01dBi > 6dBi , so the power density limit shall be reduced to 30-(26.01-6) = 9.99dBm.

802.11ac (20MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	149	5745	-13.91	-11.69	3.01	-8.68	9.99	PASS
	157	5785	-13.76	-11.54	3.01	-8.53	9.99	PASS
	165	5825	-14.65	-12.43	3.01	-9.42	9.99	PASS
1	149	5745	-14.24	-12.02	3.01	-9.01	9.99	PASS
	157	5785	-13.45	-11.23	3.01	-8.22	9.99	PASS
	165	5825	-14.77	-12.55	3.01	-9.54	9.99	PASS

NOTE: Directional gain = 23dBi + 10log(2) = 26.01dBi > 6dBi , so the power density limit shall be reduced to 30-(26.01-6) = 9.99dBm.

802.11ac (40MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	151	5755	-18.93	-16.71	3.01	-13.70	9.99	PASS
	159	5795	-17.15	-14.93	3.01	-11.92	9.99	PASS
1	151	5755	-19.83	-17.61	3.01	-14.60	9.99	PASS
	159	5795	-16.95	-14.73	3.01	-11.72	9.99	PASS

NOTE: Directional gain = 23dBi + 10log(2) = 26.01dBi > 6dBi , so the power density limit shall be reduced to 30-(26.01-6) = 9.99dBm.

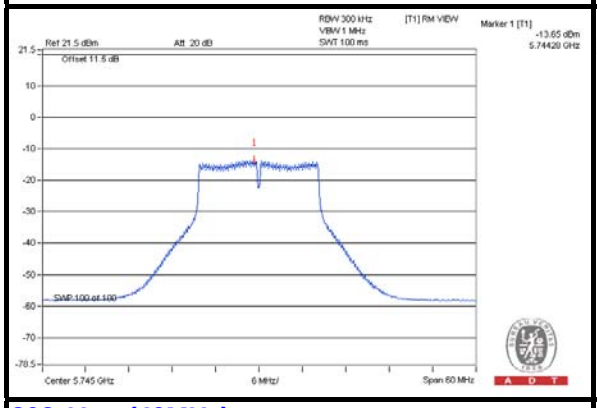
802.11ac (80MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	155	5775	-28.42	-26.20	3.01	-23.19	9.99	PASS
1	155	5775	-28.43	-26.21	3.01	-23.20	9.99	PASS

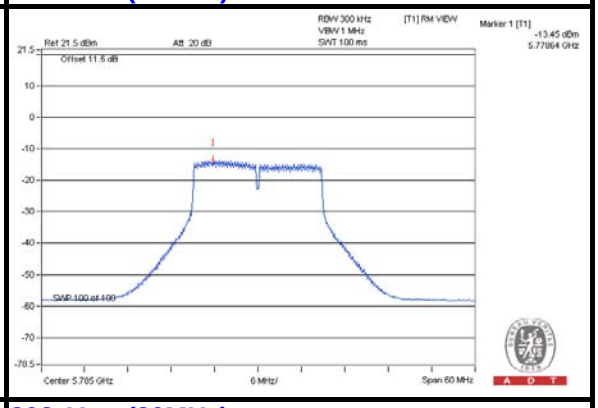
NOTE: Directional gain = 23dBi + 10log(2) = 26.01dBi > 6dBi , so the power density limit shall be reduced to 30-(26.01-6) = 9.99dBm.

SPECTRUM PLOT OF WORST VALUE

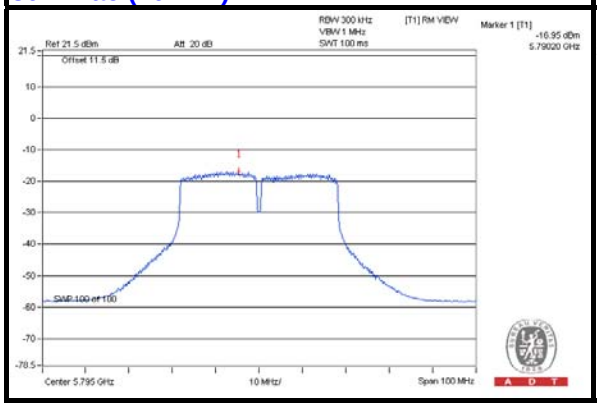
802.11a



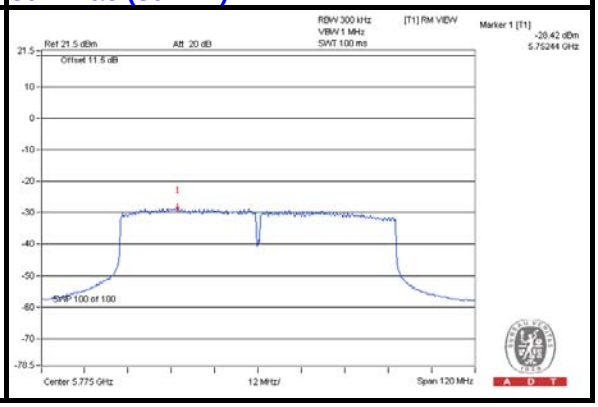
802.11ac (20MHz)



802.11ac (40MHz)



802.11ac (80MHz)



TEST MODE C

For U-NII-1 Band

802.11a

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
36	5180	-1.43	-1.88	-1.37	3.22	0.14	3.36	6.73	PASS
40	5200	-0.72	-1.67	-0.93	3.69	0.14	3.83	6.73	PASS
48	5240	-1.21	-1.35	-1.07	3.56	0.14	3.71	6.73	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. **For U-NII-1 Band:**

   Directional gain = 11.5dBi + 10log(3) = 16.27dBi > 6dBi , so the power density limit shall be reduced to 17-(16.27-6) = 6.73dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (20MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
36	5180	-1.29	-2.13	-1.37	3.19	0.16	3.35	6.73	PASS
40	5200	-1.06	-1.60	-1.39	3.43	0.16	3.59	6.73	PASS
48	5240	-1.61	-1.33	-1.53	3.28	0.16	3.44	6.73	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. **For U-NII-1 Band:**

   Directional gain = 11.5dBi + 10log(3) = 16.27dBi > 6dBi , so the power density limit shall be reduced to 17-(16.27-6) = 6.73dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (40MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
38	5190	-4.47	-5.71	-4.65	-0.14	0.32	0.18	6.73	PASS
46	5230	-4.81	-7.26	-4.78	-0.70	0.32	-0.38	6.73	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. **For U-NII-1 Band:**

   Directional gain = 11.5dBi + 10log(3) = 16.27dBi > 6dBi , so the power density limit shall be reduced to 17-(16.27-6) = 6.73dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

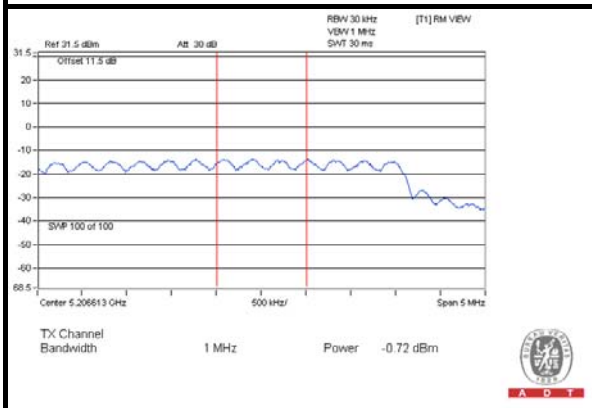
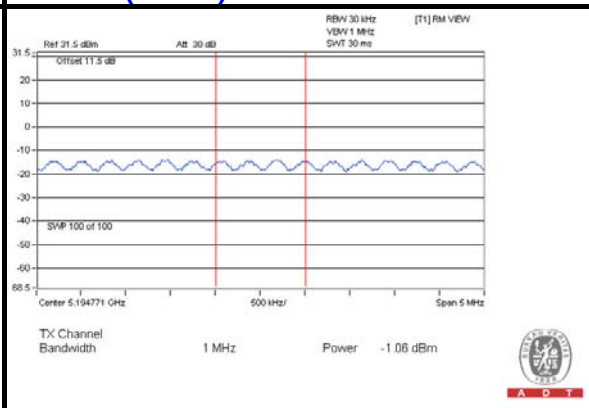
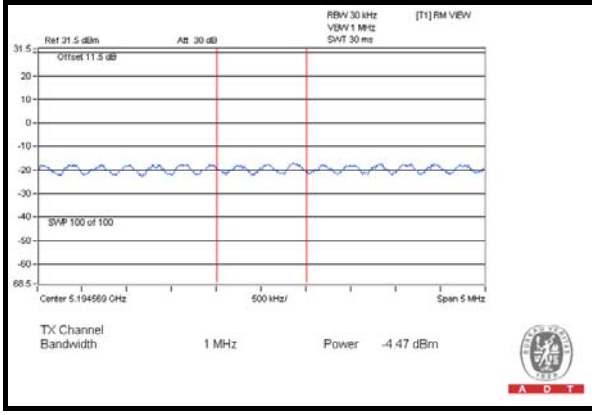
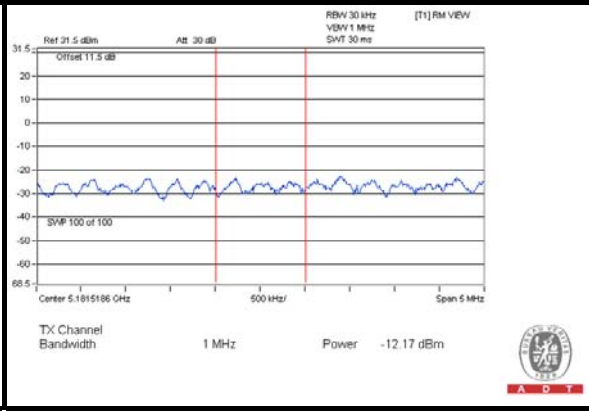
802.11ac (80MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
42	5210	-12.81	-12.17	-12.97	-7.86	0.61	-7.25	6.73	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. **For U-NII-1 Band:**

   Directional gain = 11.5dBi + 10log(3) = 16.27dBi > 6dBi , so the power density limit shall be reduced to 17-(16.27-6) = 6.73dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

SPECTRUM PLOT OF WORST VALUE	
802.11a	**802.11ac (20MHz)**
	
802.11ac (40MHz)	**802.11ac (80MHz)**
	

For U-NII-3 Band

802.11a

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	149	5745	-3.46	-1.24	4.77	3.53	19.73	PASS
	157	5785	-2.35	-0.13	4.77	4.64	19.73	PASS
	165	5825	-2.84	-0.62	4.77	4.15	19.73	PASS
1	149	5745	-3.01	-0.79	4.77	3.98	19.73	PASS
	157	5785	-2.13	0.09	4.77	4.86	19.73	PASS
	165	5825	-2.43	-0.21	4.77	4.56	19.73	PASS
2	149	5745	-2.87	-0.65	4.77	4.12	19.73	PASS
	157	5785	-2.37	-0.15	4.77	4.62	19.73	PASS
	165	5825	-2.18	0.04	4.77	4.81	19.73	PASS

NOTE: Directional gain = 11.5dBi + 10log(3) = 16.27dBi > 6dBi , so the power density limit shall be reduced to 30-(16.27-6) = 19.73dBm.

802.11ac (20MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	149	5745	-3.84	-1.62	4.77	3.15	19.73	PASS
	157	5785	-2.76	-0.54	4.77	4.23	19.73	PASS
	165	5825	-2.88	-0.66	4.77	4.11	19.73	PASS
1	149	5745	-3.62	-1.40	4.77	3.37	19.73	PASS
	157	5785	-2.98	-0.76	4.77	4.01	19.73	PASS
	165	5825	-2.96	-0.74	4.77	4.03	19.73	PASS
2	149	5745	-2.81	-0.59	4.77	4.18	19.73	PASS
	157	5785	-1.86	0.36	4.77	5.13	19.73	PASS
	165	5825	-2.31	-0.09	4.77	4.68	19.73	PASS

NOTE: Directional gain = 11.5dBi + 10log(3) = 16.27dBi > 6dBi , so the power density limit shall be reduced to 30-(16.27-6) = 19.73dBm.

802.11ac (40MHz)

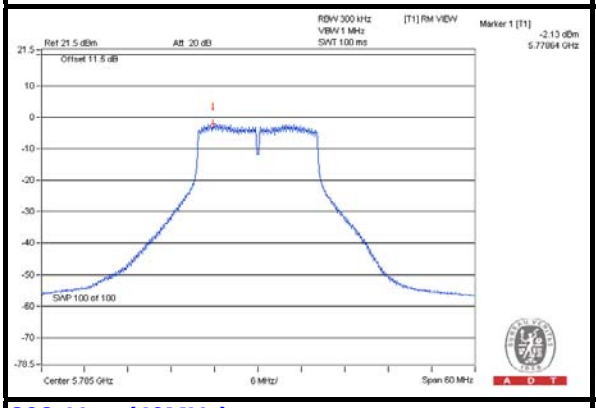
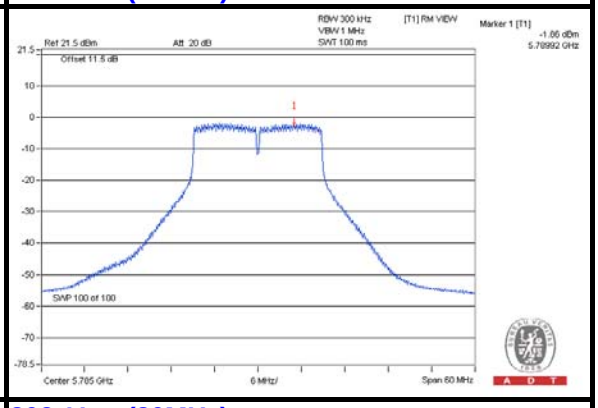
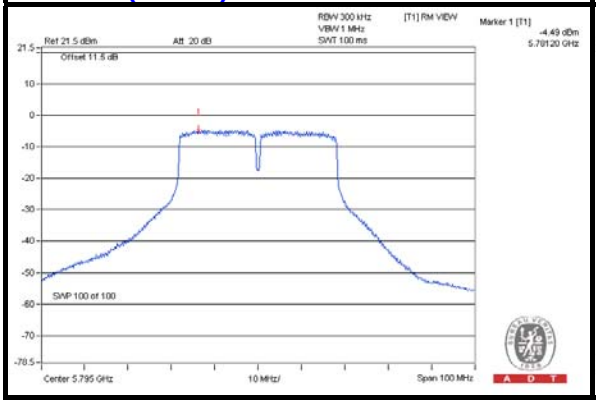
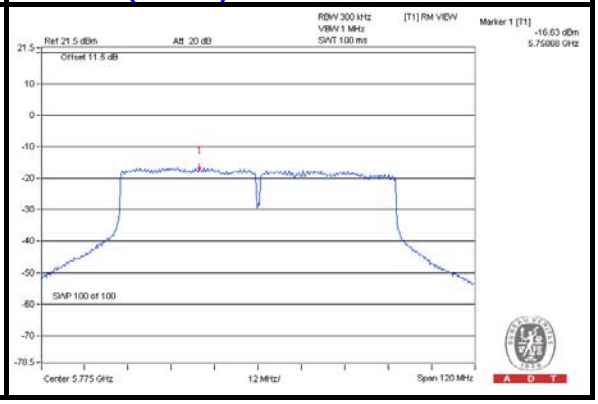
TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	151	5755	-7.23	-5.01	4.77	-0.24	19.73	PASS
	159	5795	-5.11	-2.89	4.77	1.88	19.73	PASS
1	151	5755	-7.61	-5.39	4.77	-0.62	19.73	PASS
	159	5795	-4.88	-2.66	4.77	2.11	19.73	PASS
2	151	5755	-7.22	-5.00	4.77	-0.23	19.73	PASS
	159	5795	-4.49	-2.27	4.77	2.50	19.73	PASS

NOTE: Directional gain = 11.5dBi + 10log(3) = 16.27dBi > 6dBi , so the power density limit shall be reduced to 30-(16.27-6) = 19.73dBm.

802.11ac (80MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	155	5775	-17.11	-14.89	4.77	-10.12	19.73	PASS
1	155	5775	-16.84	-14.62	4.77	-9.85	19.73	PASS
2	155	5775	-16.63	-14.41	4.77	-9.64	19.73	PASS

NOTE: Directional gain = 11.5dBi + 10log(3) = 16.27dBi > 6dBi , so the power density limit shall be reduced to 30-(16.27-6) = 19.73dBm.

SPECTRUM PLOT OF WORST VALUE	
802.11a	802.11ac (20MHz)
	
802.11ac (40MHz)	802.11ac (80MHz)
	

TEST MODE D

For U-NII-1 Band

802.11a

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
36	5180	5.03	4.03	5.39	9.63	0.14	9.77	10.23	PASS
40	5200	5.49	4.10	5.23	9.75	0.14	9.89	10.23	PASS
48	5240	5.43	5.03	5.38	10.06	0.14	10.20	10.23	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. **For U-NII-1 Band:**

   Directional gain = 8dBi + 10log(3) = 12.77dBi > 6dBi , so the power density limit shall be reduced to 17-(12.77-6) = 10.23dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (20MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
36	5180	5.22	3.84	5.08	9.52	0.16	9.68	10.23	PASS
40	5200	5.10	4.20	5.23	9.63	0.16	9.79	10.23	PASS
48	5240	5.56	4.28	5.55	9.94	0.16	10.10	10.23	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. **For U-NII-1 Band:**

   Directional gain = 8dBi + 10log(3) = 12.77dBi > 6dBi , so the power density limit shall be reduced to 17-(12.77-6) = 10.23dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (40MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
38	5190	-1.10	-2.19	-0.99	3.38	0.34	3.72	10.23	PASS
46	5230	5.46	4.21	5.29	9.80	0.34	10.14	10.23	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. **For U-NII-1 Band:**

   Directional gain = 8dBi + 10log(3) = 12.77dBi > 6dBi , so the power density limit shall be reduced to 17-(12.77-6) = 10.23dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

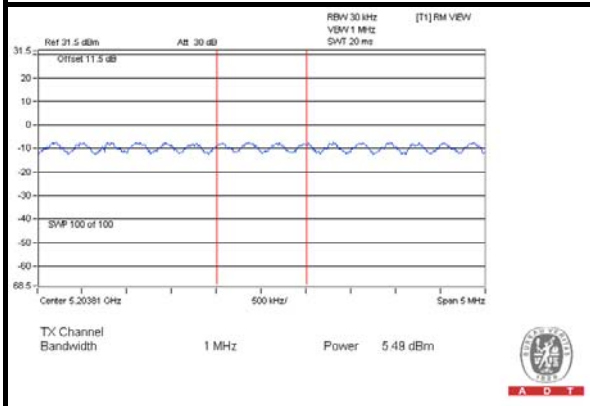
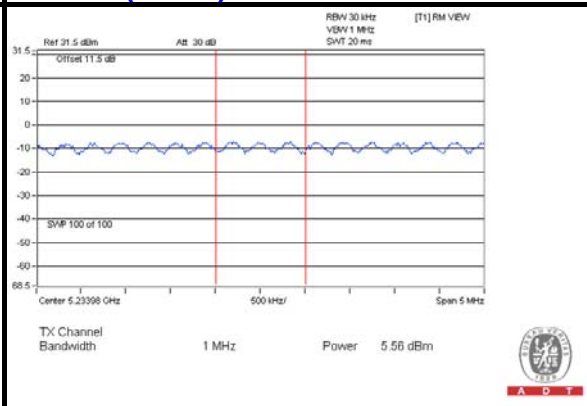
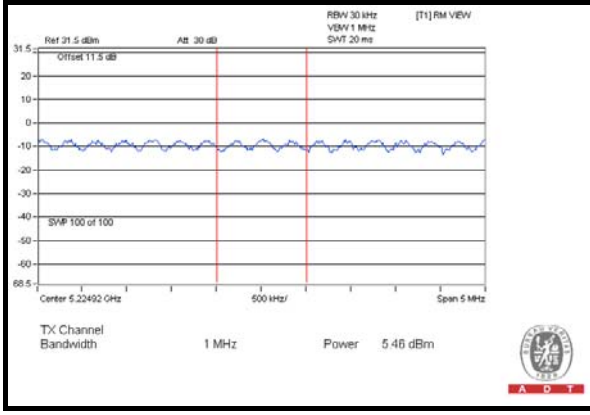
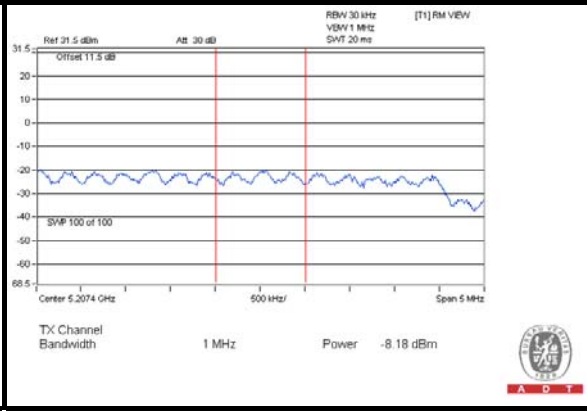
802.11ac (80MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
42	5210	-8.18	-9.28	-8.34	-3.80	0.54	-3.26	10.23	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. **For U-NII-1 Band:**

   Directional gain = 8dBi + 10log(3) = 12.77dBi > 6dBi , so the power density limit shall be reduced to 17-(12.77-6) = 10.23dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

SPECTRUM PLOT OF WORST VALUE	
802.11a	**802.11ac (20MHz)**
	
802.11ac (40MHz)	**802.11ac (80MHz)**
	

For U-NII-3 Band

802.11a

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	149	5745	-0.27	1.95	4.77	6.72	23.23	PASS
	157	5785	0.28	2.50	4.77	7.27	23.23	PASS
	165	5825	-1.11	1.11	4.77	5.88	23.23	PASS
1	149	5745	-0.87	1.35	4.77	6.12	23.23	PASS
	157	5785	0.30	2.52	4.77	7.29	23.23	PASS
	165	5825	-0.69	1.53	4.77	6.30	23.23	PASS
2	149	5745	0.14	2.36	4.77	7.13	23.23	PASS
	157	5785	0.87	3.09	4.77	7.86	23.23	PASS
	165	5825	-0.41	1.81	4.77	6.58	23.23	PASS

NOTE: Directional gain = 8dBi + 10log(3) = 12.77dBi > 6dBi , so the power density limit shall be reduced to 30-(12.77-6) = 22.23dBm.

802.11ac (20MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	149	5745	-0.76	1.46	4.77	6.23	23.23	PASS
	157	5785	0.43	2.65	4.77	7.42	23.23	PASS
	165	5825	-0.95	1.27	4.77	6.04	23.23	PASS
1	149	5745	-1.12	1.10	4.77	5.87	23.23	PASS
	157	5785	0.63	2.85	4.77	7.62	23.23	PASS
	165	5825	-0.69	1.53	4.77	6.30	23.23	PASS
2	149	5745	-0.47	1.75	4.77	6.52	23.23	PASS
	157	5785	0.51	2.73	4.77	7.50	23.23	PASS
	165	5825	-0.27	1.95	4.77	6.72	23.23	PASS

NOTE: Directional gain = 8dBi + 10log(3) = 12.77dBi > 6dBi , so the power density limit shall be reduced to 30-(12.77-6) = 22.23dBm.

802.11ac (40MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	151	5755	-8.97	-6.75	4.77	-1.98	23.23	PASS
	159	5795	-5.81	-3.59	4.77	1.18	23.23	PASS
1	151	5755	-8.81	-6.59	4.77	-1.82	23.23	PASS
	159	5795	-5.83	-3.61	4.77	1.16	23.23	PASS
2	151	5755	-7.93	-5.71	4.77	-0.94	23.23	PASS
	159	5795	-5.29	-3.07	4.77	1.70	23.23	PASS

NOTE: Directional gain = 8dBi + 10log(3) = 12.77dBi > 6dBi , so the power density limit shall be reduced to 30-(12.77-6) = 22.23dBm.

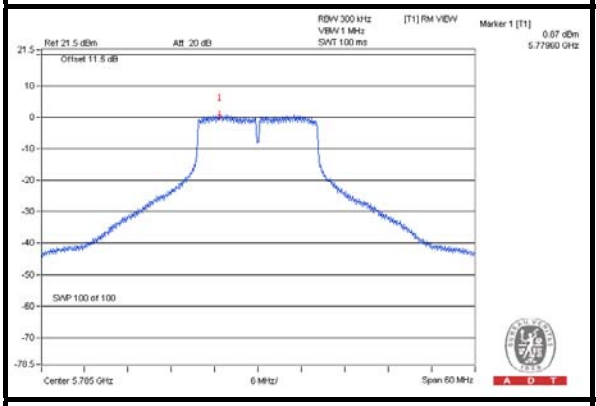
802.11ac (80MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	155	5775	-13.40	-11.18	4.77	-6.41	23.23	PASS
1	155	5775	-13.68	-11.46	4.77	-6.69	23.23	PASS
2	155	5775	-13.36	-11.14	4.77	-6.37	23.23	PASS

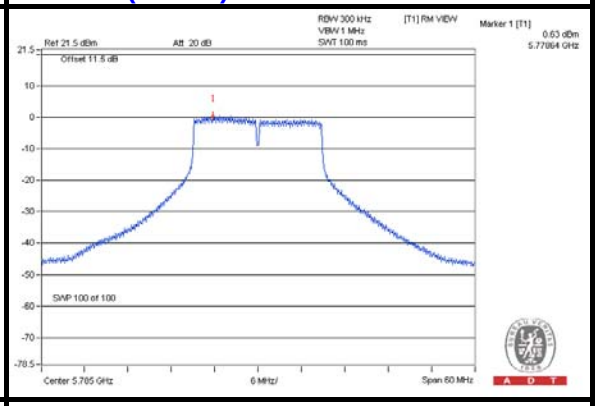
NOTE: Directional gain = 8dBi + 10log(3) = 12.77dBi > 6dBi , so the power density limit shall be reduced to 30-(12.77-6) = 22.23dBm.

SPECTRUM PLOT OF WORST VALUE

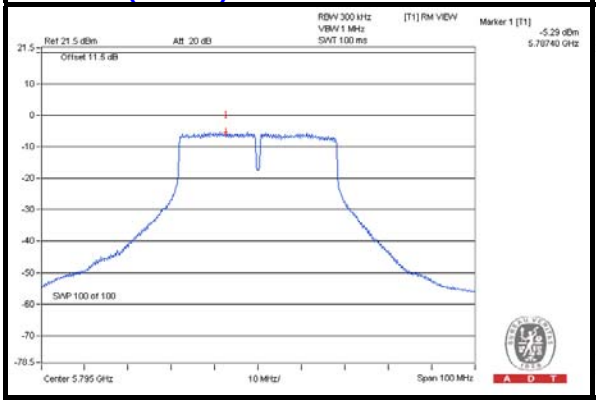
802.11a



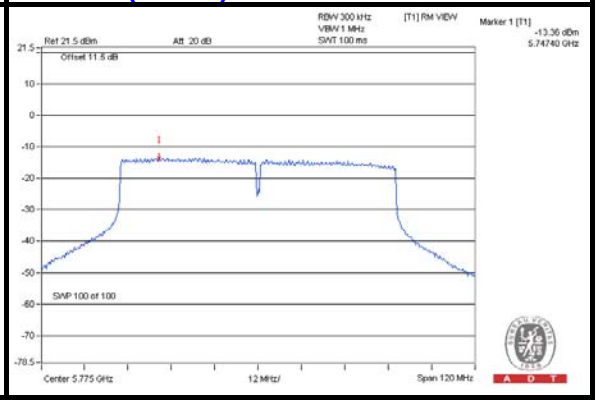
802.11ac (20MHz)



802.11ac (40MHz)



802.11ac (80MHz)



TEST MODE E

For U-NII-1 Band

802.11a

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
36	5180	5.71	4.41	5.63	10.06	0.15	10.21	16.23	PASS
40	5200	10.51	9.36	9.87	14.71	0.15	14.86	16.23	PASS
48	5240	11.06	9.93	10.37	15.25	0.15	15.40	16.23	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. **For U-NII-1 Band:**

   Directional gain = 2dBi + 10log(3) = 6.77dBi > 6dBi , so the power density limit shall be reduced to 17-(6.77-6) = 16.23dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (20MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
36	5180	5.40	4.28	5.27	9.78	0.15	9.93	16.23	PASS
40	5200	9.15	8.15	8.89	13.52	0.15	13.67	16.23	PASS
48	5240	10.59	9.95	10.00	14.96	0.15	15.11	16.23	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. **For U-NII-1 Band:**

   Directional gain = 2dBi + 10log(3) = 6.77dBi > 6dBi , so the power density limit shall be reduced to 17-(6.77-6) = 16.23dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (40MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
38	5190	-2.31	-2.74	-2.06	2.41	0.35	2.76	16.23	PASS
46	5230	4.75	3.65	4.05	8.95	0.35	9.30	16.23	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. **For U-NII-1 Band:**

   Directional gain = 2dBi + 10log(3) = 6.77dBi > 6dBi , so the power density limit shall be reduced to 17-(6.77-6) = 16.23dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (80MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
42	5210	-10.85	-11.88	-10.99	-6.44	0.56	-5.88	16.23	PASS

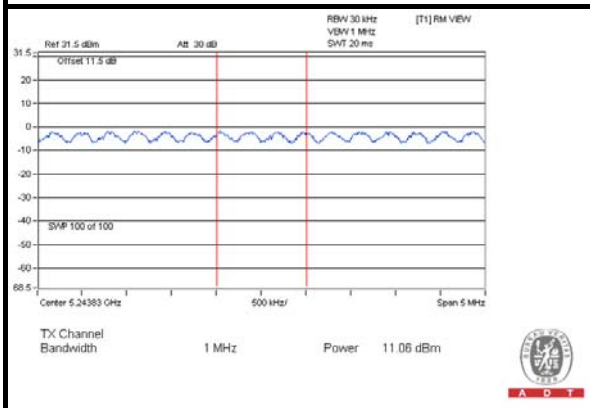
NOTE:

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. **For U-NII-1 Band:**

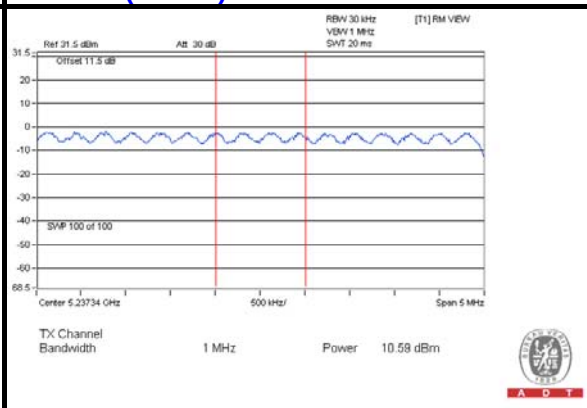
   Directional gain = 2dBi + 10log(3) = 6.77dBi > 6dBi , so the power density limit shall be reduced to 17-(6.77-6) = 16.23dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

SPECTRUM PLOT OF WORST VALUE

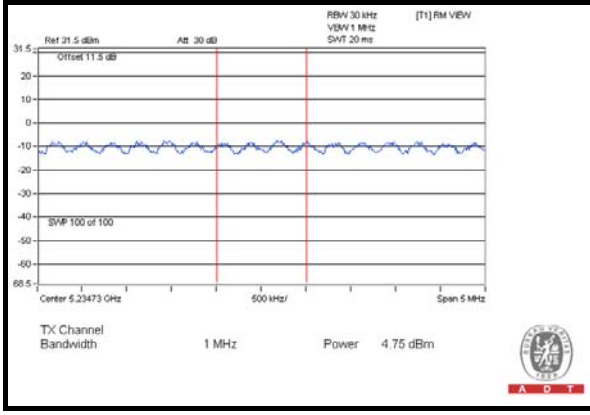
802.11a



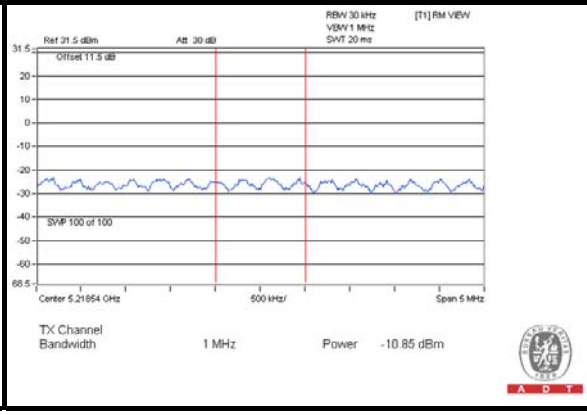
802.11ac (20MHz)



802.11ac (40MHz)



802.11ac (80MHz)



For U-NII-3 Band

802.11a

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	149	5745	-1.40	0.82	4.77	5.59	29.23	PASS
	157	5785	-1.27	0.95	4.77	5.72	29.23	PASS
	165	5825	-0.97	1.25	4.77	6.02	29.23	PASS
1	149	5745	-2.12	0.10	4.77	4.87	29.23	PASS
	157	5785	-0.92	1.30	4.77	6.07	29.23	PASS
	165	5825	-1.45	0.77	4.77	5.54	29.23	PASS
2	149	5745	-0.80	1.42	4.77	6.19	29.23	PASS
	157	5785	-0.31	1.91	4.77	6.68	29.23	PASS
	165	5825	-0.09	2.13	4.77	6.90	29.23	PASS

NOTE: Directional gain = 2dBi + 10log(3) = 6.77dBi > 6dBi , so the power density limit shall be reduced to 30-(6.77-6) = 29.23dBm.

802.11ac (20MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	149	5745	-2.10	0.12	4.77	4.89	29.23	PASS
	157	5785	-0.26	1.96	4.77	6.73	29.23	PASS
	165	5825	-1.18	1.04	4.77	5.81	29.23	PASS
1	149	5745	-2.14	0.08	4.77	4.85	29.23	PASS
	157	5785	-0.35	1.87	4.77	6.64	29.23	PASS
	165	5825	-0.58	1.64	4.77	6.41	29.23	PASS
2	149	5745	-1.17	1.05	4.77	5.82	29.23	PASS
	157	5785	0.22	2.44	4.77	7.21	29.23	PASS
	165	5825	-0.38	1.84	4.77	6.61	29.23	PASS

NOTE: Directional gain = 2dBi + 10log(3) = 6.77dBi > 6dBi , so the power density limit shall be reduced to 30-(6.77-6) = 29.23dBm.

802.11ac (40MHz)

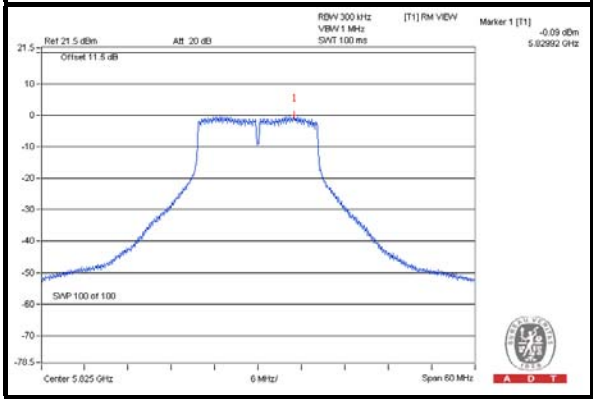
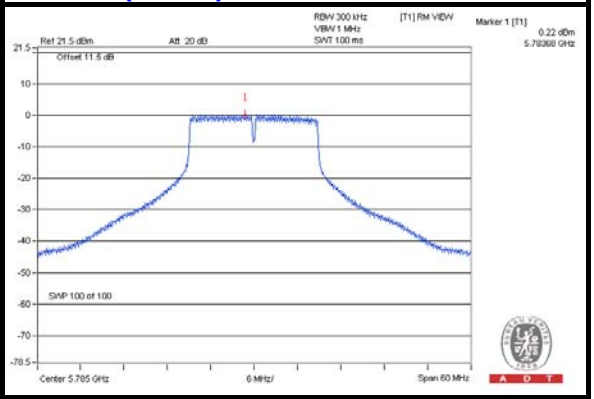
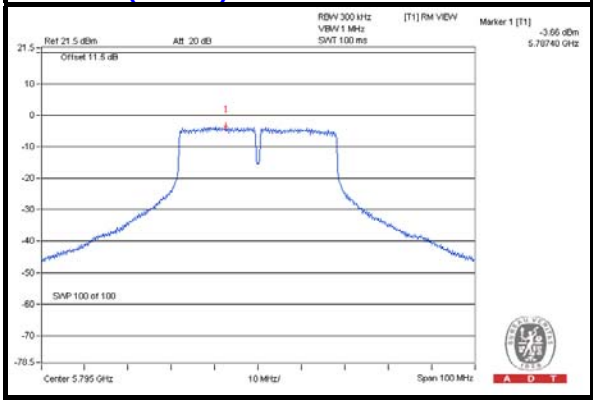
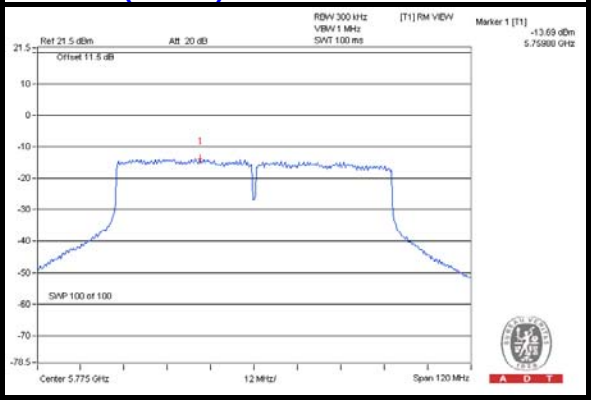
TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	151	5755	-5.10	-2.88	4.77	1.89	29.23	PASS
	159	5795	-3.82	-1.60	4.77	3.17	29.23	PASS
1	151	5755	-5.81	-3.59	4.77	1.18	29.23	PASS
	159	5795	-3.87	-1.65	4.77	3.12	29.23	PASS
2	151	5755	-4.72	-2.50	4.77	2.27	29.23	PASS
	159	5795	-3.66	-1.44	4.77	3.33	29.23	PASS

NOTE: Directional gain = 2dBi + 10log(3) = 6.77dBi > 6dBi , so the power density limit shall be reduced to 30-(6.77-6) = 29.23dBm.

802.11ac (80MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	155	5775	-13.94	-11.72	4.77	-6.95	29.23	PASS
1	155	5775	-14.21	-11.99	4.77	-7.22	29.23	PASS
2	155	5775	-13.69	-11.47	4.77	-6.70	29.23	PASS

NOTE: Directional gain = 2dBi + 10log(3) = 6.77dBi > 6dBi , so the power density limit shall be reduced to 30-(6.77-6) = 29.23dBm.

SPECTRUM PLOT OF WORST VALUE	
802.11a	**802.11ac (20MHz)**
	
802.11ac (40MHz)	**802.11ac (80MHz)**
	

TEST MODE F

For U-NII-1 Band

802.11a

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
36	5180	4.56	3.35	4.15	8.82	0.14	8.96	11.23	PASS
40	5200	5.68	5.00	5.84	10.29	0.14	10.43	11.23	PASS
48	5240	6.21	5.90	6.75	11.07	0.14	11.21	11.23	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. **For U-NII-1 Band:**

   Directional gain = 7dBi + 10log(3) = 11.77dBi > 6dBi , so the power density limit shall be reduced to 17-(11.77-6) = 11.23dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (20MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
36	5180	5.36	3.89	5.19	9.63	0.15	9.78	11.23	PASS
40	5200	6.26	5.34	5.96	10.64	0.15	10.79	11.23	PASS
48	5240	6.53	5.75	6.29	10.97	0.15	11.12	11.23	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. **For U-NII-1 Band:**

   Directional gain = 7dBi + 10log(3) = 11.77dBi > 6dBi , so the power density limit shall be reduced to 17-(11.77-6) = 11.23dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (40MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
38	5190	-1.86	-2.50	-1.43	2.86	0.35	3.21	11.23	PASS
46	5230	5.86	4.59	5.41	10.09	0.35	10.44	11.23	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. **For U-NII-1 Band:**

   Directional gain = 7dBi + 10log(3) = 11.77dBi > 6dBi , so the power density limit shall be reduced to 17-(11.77-6) = 11.23dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

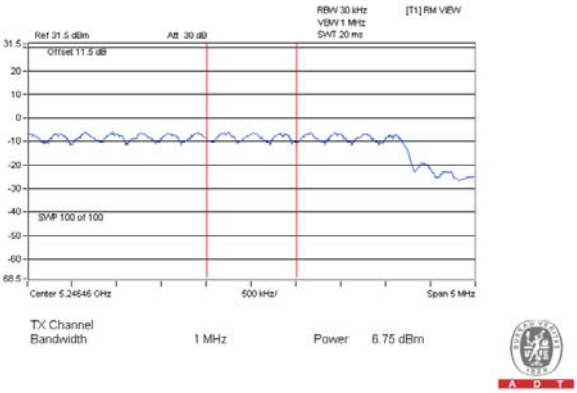
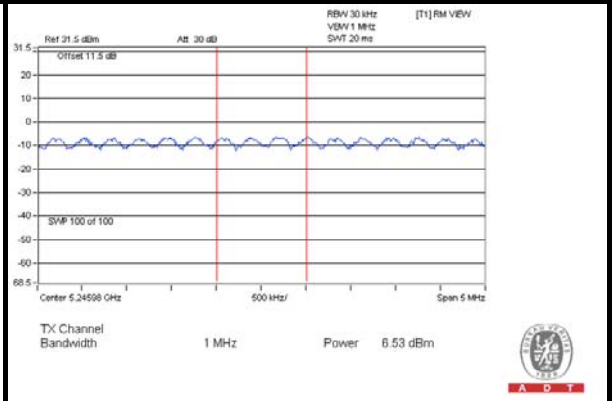
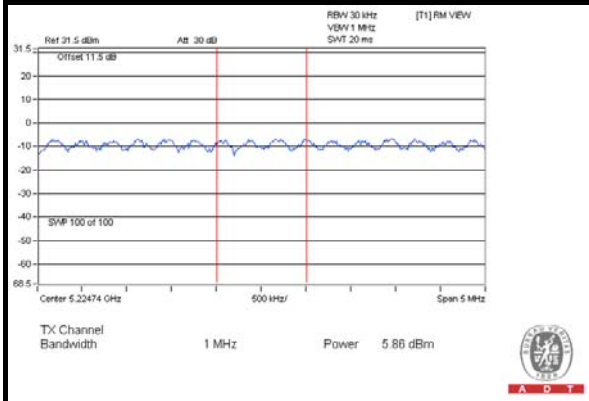
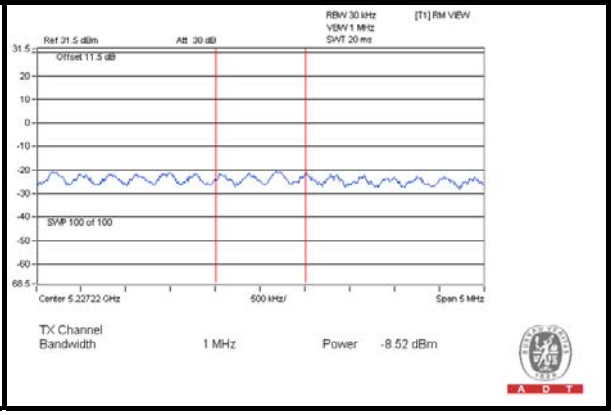
802.11ac (80MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
42	5210	-8.52	-9.78	-9.08	-4.33	0.54	-3.79	11.23	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. **For U-NII-1 Band:**

   Directional gain = 7dBi + 10log(3) = 11.77dBi > 6dBi , so the power density limit shall be reduced to 17-(11.77-6) = 11.23dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

SPECTRUM PLOT OF WORST VALUE	
802.11a	**802.11ac (20MHz)**
	
802.11ac (40MHz)	**802.11ac (80MHz)**
	

For U-NII-3 Band

802.11a

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	149	5745	-2.82	-0.60	4.77	4.17	24.23	PASS
	157	5785	-2.27	-0.05	4.77	4.72	24.23	PASS
	165	5825	-2.20	0.02	4.77	4.79	24.23	PASS
1	149	5745	-3.23	-1.01	4.77	3.76	24.23	PASS
	157	5785	-2.09	0.13	4.77	4.90	24.23	PASS
	165	5825	-1.90	0.32	4.77	5.09	24.23	PASS
2	149	5745	-1.83	0.39	4.77	5.16	24.23	PASS
	157	5785	-1.16	1.06	4.77	5.83	24.23	PASS
	165	5825	-1.46	0.76	4.77	5.53	24.23	PASS

NOTE: Directional gain = 7dBi + 10log(3) = 11.77dBi > 6dBi , so the power density limit shall be reduced to 30-(11.77-6) = 24.23dBm.

802.11ac (20MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	149	5745	-3.30	-1.08	4.77	3.69	24.23	PASS
	157	5785	-1.86	0.36	4.77	5.13	24.23	PASS
	165	5825	-1.87	0.35	4.77	5.12	24.23	PASS
1	149	5745	-3.98	-1.76	4.77	3.01	24.23	PASS
	157	5785	-1.94	0.28	4.77	5.05	24.23	PASS
	165	5825	-2.09	0.13	4.77	4.90	24.23	PASS
2	149	5745	-2.86	-0.64	4.77	4.13	24.23	PASS
	157	5785	-1.42	0.80	4.77	5.57	24.23	PASS
	165	5825	-1.59	0.63	4.77	5.40	24.23	PASS

NOTE: Directional gain = 7dBi + 10log(3) = 11.77dBi > 6dBi , so the power density limit shall be reduced to 30-(11.77-6) = 24.23dBm.

802.11ac (40MHz)

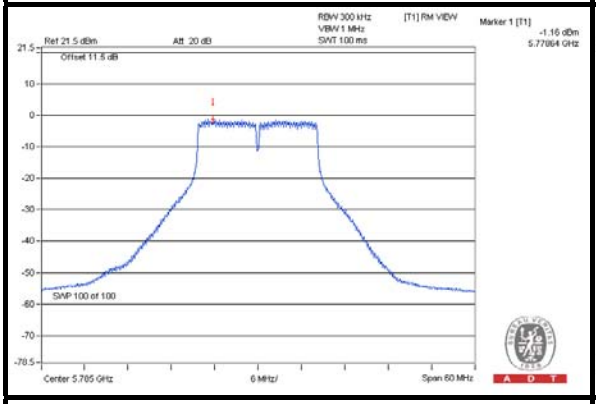
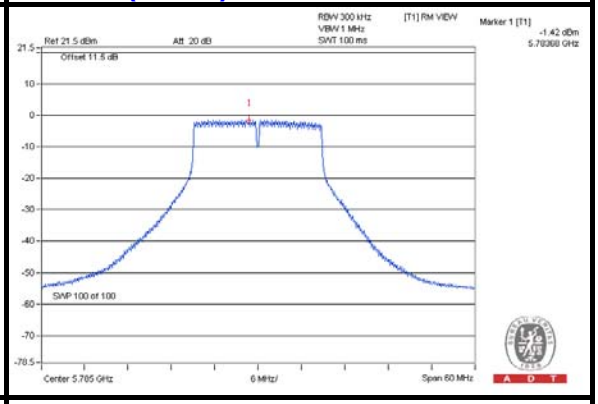
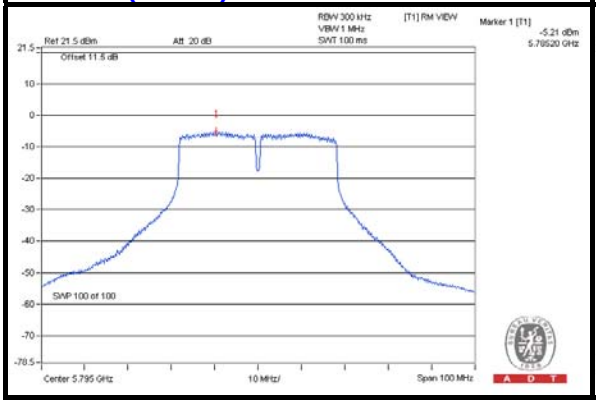
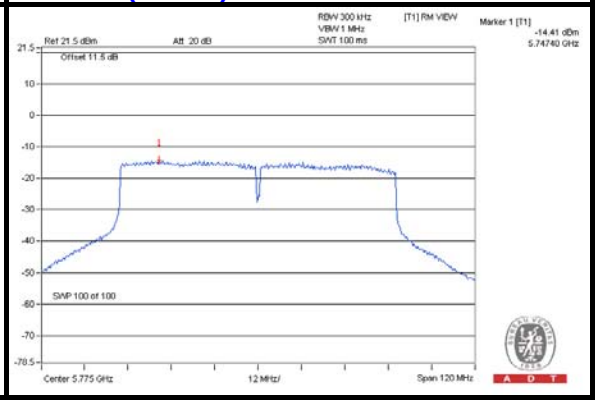
TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	151	5755	-8.67	-6.45	4.77	-1.68	24.23	PASS
	159	5795	-5.65	-3.43	4.77	1.34	24.23	PASS
1	151	5755	-8.72	-6.50	4.77	-1.73	24.23	PASS
	159	5795	-5.93	-3.71	4.77	1.06	24.23	PASS
2	151	5755	-8.67	-6.45	4.77	-1.68	24.23	PASS
	159	5795	-5.21	-2.99	4.77	1.78	24.23	PASS

NOTE: Directional gain = 7dBi + 10log(3) = 11.77dBi > 6dBi , so the power density limit shall be reduced to 30-(11.77-6) = 24.23dBm.

802.11ac (80MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	155	5775	-14.50	-12.28	4.77	-7.51	24.23	PASS
1	155	5775	-14.68	-12.46	4.77	-7.69	24.23	PASS
2	155	5775	-14.41	-12.19	4.77	-7.42	24.23	PASS

NOTE: Directional gain = 7dBi + 10log(3) = 11.77dBi > 6dBi , so the power density limit shall be reduced to 30-(11.77-6) = 24.23dBm.

SPECTRUM PLOT OF WORST VALUE	
802.11a	802.11ac (20MHz)
	
802.11ac (40MHz)	802.11ac (80MHz)
	

TEST MODE G

For U-NII-1 Band

802.11a

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
36	5180	5.98	5.65	6.58	10.86	0.13	10.99	11.03	PASS
40	5200	6.11	5.23	6.42	10.72	0.13	10.85	11.03	PASS
48	5240	6.14	5.97	6.16	10.86	0.13	10.99	11.03	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. **For U-NII-1 Band:**

   Directional gain = 7.2dBi + 10log(3) = 11.97dBi > 6dBi , so the power density limit shall be reduced to 17-(11.97-6) = 11.03dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (20MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
36	5180	5.81	5.01	6.10	10.44	0.16	10.59	11.03	PASS
40	5200	6.01	4.84	6.23	10.51	0.16	10.67	11.03	PASS
48	5240	6.39	5.61	6.24	10.86	0.16	11.02	11.03	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. **For U-NII-1 Band:**

   Directional gain = 7.2dBi + 10log(3) = 11.97dBi > 6dBi , so the power density limit shall be reduced to 17-(11.97-6) = 11.03dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (40MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
38	5190	-1.44	-2.93	-1.17	2.99	0.32	3.31	11.03	PASS
46	5230	6.28	4.94	5.51	10.38	0.32	10.70	11.03	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. **For U-NII-1 Band:**

   Directional gain = 7.2dBi + 10log(3) = 11.97dBi > 6dBi , so the power density limit shall be reduced to 17-(11.97-6) = 11.03dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

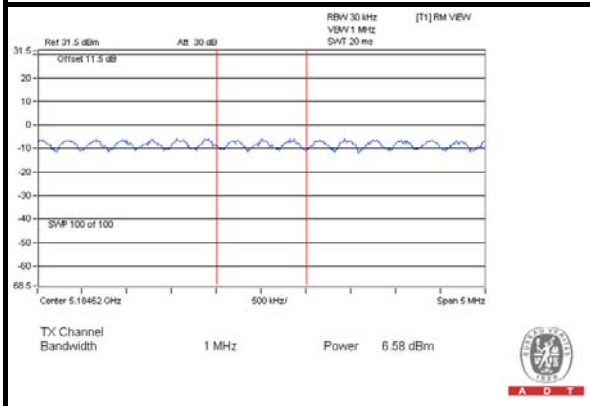
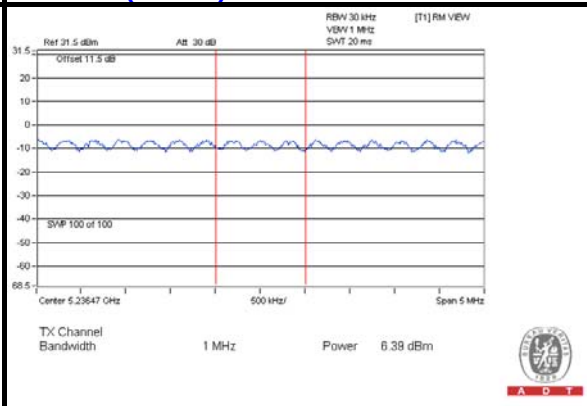
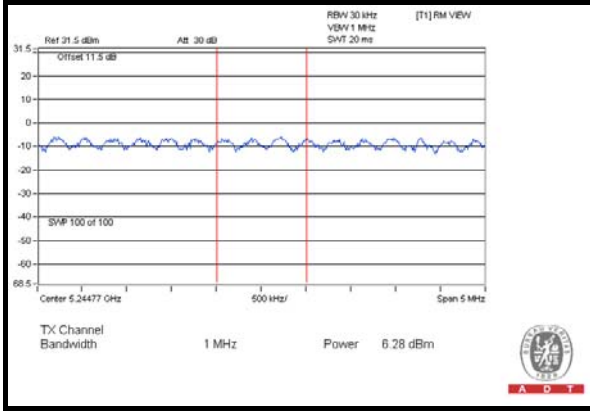
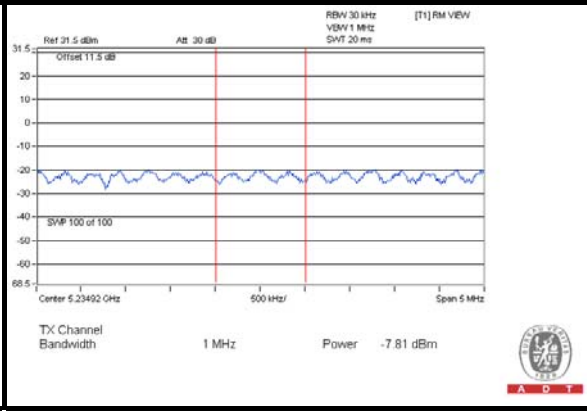
802.11ac (80MHz)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)			TOTAL PSD W/O DUTY FACTOR (dBm)	DUTY FACTOR	TOTAL PSD WITH DUTY FACTOR (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2					
42	5210	-7.81	-9.12	-8.62	-3.71	0.55	-3.16	11.03	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. **For U-NII-1 Band:**

   Directional gain = 7.2dBi + 10log(3) = 11.97dBi > 6dBi , so the power density limit shall be reduced to 17-(11.97-6) = 11.03dBm.
3. Refer to section 3.3 for duty cycle spectrum plot.

SPECTRUM PLOT OF WORST VALUE	
802.11a	**802.11ac (20MHz)**
	
802.11ac (40MHz)	**802.11ac (80MHz)**
	

For U-NII-3 Band

802.11a

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	149	5745	-2.88	-0.66	4.77	4.11	24.03	PASS
	157	5785	-1.31	0.91	4.77	5.68	24.03	PASS
	165	5825	-2.27	-0.05	4.77	4.72	24.03	PASS
1	149	5745	-3.23	-1.01	4.77	3.76	24.03	PASS
	157	5785	-1.28	0.94	4.77	5.71	24.03	PASS
	165	5825	-2.72	-0.50	4.77	4.27	24.03	PASS
2	149	5745	-1.83	0.39	4.77	5.16	24.03	PASS
	157	5785	-0.72	1.50	4.77	6.27	24.03	PASS
	165	5825	-1.58	0.64	4.77	5.41	24.03	PASS

NOTE: Directional gain = 7.2dBi + 10log(3) = 11.97dBi > 6dBi , so the power density limit shall be reduced to 30-(11.97-6) = 24.03dBm.

802.11ac (20MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	149	5745	-3.79	-1.57	4.77	3.20	24.03	PASS
	157	5785	-1.89	0.33	4.77	5.10	24.03	PASS
	165	5825	-2.36	-0.14	4.77	4.63	24.03	PASS
1	149	5745	-4.24	-2.02	4.77	2.75	24.03	PASS
	157	5785	-1.69	0.53	4.77	5.30	24.03	PASS
	165	5825	-2.47	-0.25	4.77	4.52	24.03	PASS
2	149	5745	-3.24	-1.02	4.77	3.75	24.03	PASS
	157	5785	-0.96	1.26	4.77	6.03	24.03	PASS
	165	5825	-1.61	0.61	4.77	5.38	24.03	PASS

NOTE: Directional gain = 7.2dBi + 10log(3) = 11.97dBi > 6dBi , so the power density limit shall be reduced to 30-(11.97-6) = 24.03dBm.

802.11ac (40MHz)

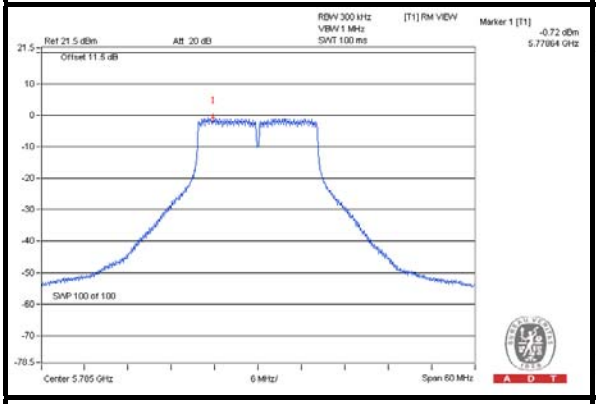
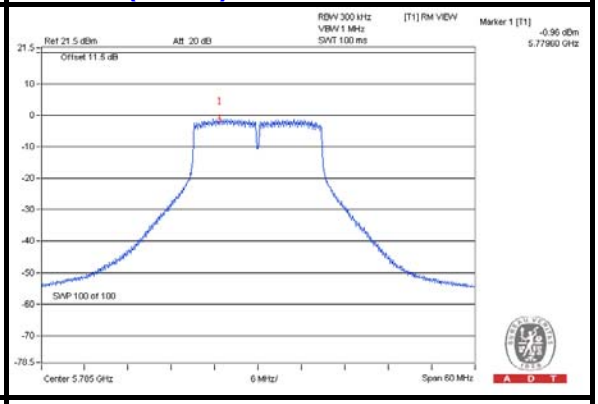
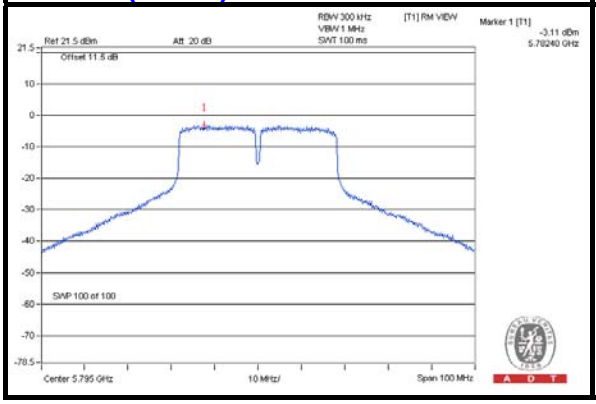
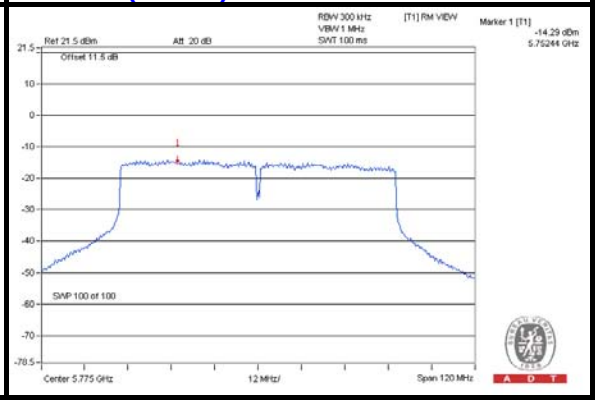
TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	151	5755	-8.53	-6.31	4.77	-1.54	24.03	PASS
	159	5795	-3.29	-1.07	4.77	3.70	24.03	PASS
1	151	5755	-9.32	-7.10	4.77	-2.33	24.03	PASS
	159	5795	-3.43	-1.21	4.77	3.56	24.03	PASS
2	151	5755	-8.37	-6.15	4.77	-1.38	24.03	PASS
	159	5795	-3.11	-0.89	4.77	3.88	24.03	PASS

NOTE: Directional gain = 7.2dBi + 10log(3) = 11.97dBi > 6dBi , so the power density limit shall be reduced to 30-(11.97-6) = 24.03dBm.

802.11ac (80MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	155	5775	-14.57	-12.35	4.77	-7.58	24.03	PASS
1	155	5775	-14.77	-12.55	4.77	-7.78	24.03	PASS
2	155	5775	-14.29	-12.07	4.77	-7.30	24.03	PASS

NOTE: Directional gain = 7.2dBi + 10log(3) = 11.97dBi > 6dBi , so the power density limit shall be reduced to 30-(11.97-6) = 24.03dBm.

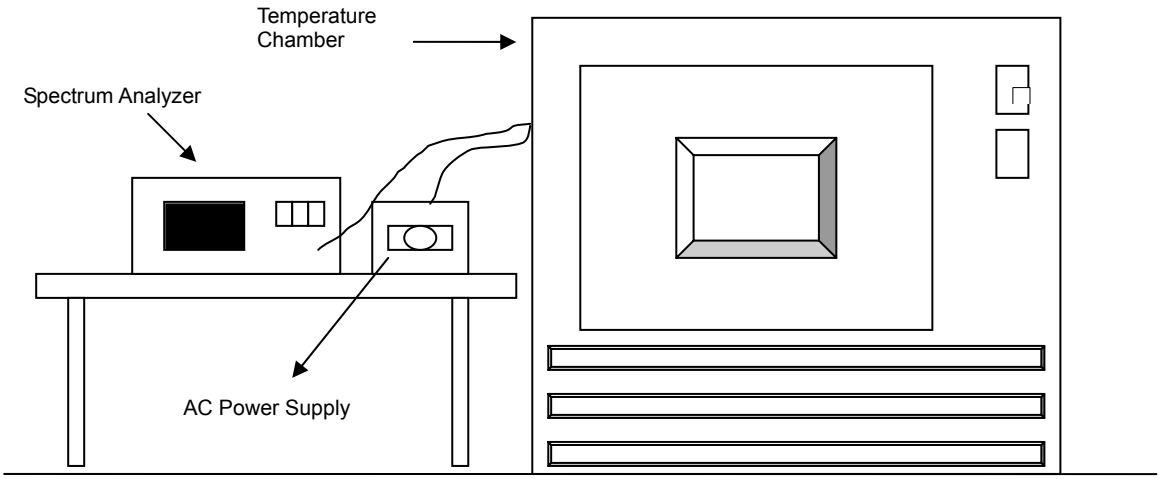
SPECTRUM PLOT OF WORST VALUE	
802.11a	802.11ac (20MHz)
	
802.11ac (40MHz)	802.11ac (80MHz)
	

4.5 FREQUENCY STABILITY

4.5.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

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

4.5.2 TEST SETUP



4.5.3 TEST INSTRUMENTS

Refer to section 4.1.3 to get information of above instrument.

4.5.4 TEST PROCEDURE

a. The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.

b. Turn the EUT on and couple its output to a spectrum analyzer.

c. Turn the EUT off and set the chamber to the highest temperature specified.

d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.

e. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.

f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

4.5.5 DEVIATION FROM TEST STANDARD

No deviation.

4.5.6 EUT OPERATING CONDITION

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

4.5.7 TEST RESULTS

TEST MODE A

FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5240MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
50	120	5240.0059	0.00011	5240.0088	0.00017	5240.0082	0.00016	5240.0051	0.00010
40	120	5240.0138	0.00026	5240.0165	0.00031	5240.0148	0.00028	5240.0160	0.00031
30	120	5239.9988	-0.00002	5239.9987	-0.00002	5240.0016	0.00003	5240.0023	0.00004
20	120	5240.0052	0.00010	5240.0043	0.00008	5240.0064	0.00012	5240.0043	0.00008
10	120	5240.0089	0.00017	5240.0104	0.00020	5240.0117	0.00022	5240.0099	0.00019
0	120	5240.0240	0.00046	5240.0260	0.00050	5240.0285	0.00054	5240.0265	0.00051
-10	120	5240.0133	0.00025	5240.0140	0.00027	5240.0112	0.00021	5240.0121	0.00023
-20	120	5240.0055	0.00010	5240.0070	0.00013	5240.0053	0.00010	5240.0091	0.00017
-30	120	5239.9772	-0.00044	5239.9802	-0.00038	5239.9767	-0.00044	5239.9794	-0.00039

FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5240MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
20	138	5240.0051	0.00010	5240.0053	0.00010	5240.0056	0.00011	5240.0047	0.00009
	120	5240.0052	0.00010	5240.0043	0.00008	5240.0064	0.00012	5240.0043	0.00008
	102	5240.0060	0.00011	5240.0035	0.00007	5240.0056	0.00011	5240.0035	0.00007

TEST MODE B

FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5240MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
50	120	5239.9867	-0.00025	5239.9874	-0.00024	5239.9881	-0.00023	5239.9864	-0.00026
40	120	5240.0197	0.00038	5240.0192	0.00037	5240.0167	0.00032	5240.0149	0.00028
30	120	5239.9973	-0.00005	5240.0007	0.00001	5239.9981	-0.00004	5239.9998	0.00000
20	120	5240.0038	0.00007	5240.0066	0.00013	5240.0081	0.00015	5240.0076	0.00015
10	120	5239.9988	-0.00002	5239.9995	-0.00001	5239.9979	-0.00004	5239.9996	-0.00001
0	120	5239.9963	-0.00007	5239.9975	-0.00005	5239.9973	-0.00005	5239.9980	-0.00004
-10	120	5240.0054	0.00010	5240.0039	0.00007	5240.0025	0.00005	5240.0045	0.00009
-20	120	5239.9935	-0.00012	5239.9912	-0.00017	5239.9904	-0.00018	5239.9916	-0.00016
-30	120	5239.9830	-0.00032	5239.9827	-0.00033	5239.9839	-0.00031	5239.9830	-0.00032

FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5240MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
20	138	5240.0042	0.00008	5240.0068	0.00013	5240.0090	0.00017	5240.0075	0.00014
	120	5240.0038	0.00007	5240.0066	0.00013	5240.0081	0.00015	5240.0076	0.00015
	102	5240.0047	0.00009	5240.0058	0.00011	5240.0080	0.00015	5240.0078	0.00015

TEST MODE C

FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5240MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
50	120	5239.9911	-0.00017	5239.9919	-0.00015	5239.9943	-0.00011	5239.9920	-0.00015
40	120	5240.0187	0.00036	5240.0166	0.00032	5240.0182	0.00035	5240.0167	0.00032
30	120	5239.9879	-0.00023	5239.9915	-0.00016	5239.9904	-0.00018	5239.9918	-0.00016
20	120	5240.0014	0.00003	5240.0044	0.00008	5240.0046	0.00009	5240.0047	0.00009
10	120	5240.0269	0.00051	5240.0258	0.00049	5240.0261	0.00050	5240.0269	0.00051
0	120	5239.9969	-0.00006	5239.9970	-0.00006	5239.9940	-0.00011	5239.9948	-0.00010
-10	120	5240.0152	0.00029	5240.0185	0.00035	5240.0151	0.00029	5240.0171	0.00033
-20	120	5240.0018	0.00003	5240.0006	0.00001	5240.0014	0.00003	5239.9999	0.00000
-30	120	5239.9940	-0.00011	5239.9947	-0.00010	5239.9950	-0.00010	5239.9961	-0.00007

FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5240MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
20	138	5240.0020	0.00004	5240.0049	0.00009	5240.0036	0.00007	5240.0046	0.00009
	120	5240.0014	0.00003	5240.0044	0.00008	5240.0046	0.00009	5240.0047	0.00009
	102	5240.0008	0.00002	5240.0044	0.00008	5240.0042	0.00008	5240.0037	0.00007

TEST MODE D

FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5240MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
50	120	5240.0261	0.00050	5240.0256	0.00049	5240.0255	0.00049	5240.0232	0.00044
40	120	5239.9768	-0.00044	5239.9790	-0.00040	5239.9810	-0.00036	5239.9797	-0.00039
30	120	5240.0156	0.00030	5240.0133	0.00025	5240.0160	0.00031	5240.0170	0.00032
20	120	5239.9985	-0.00003	5239.9990	-0.00002	5239.9965	-0.00007	5239.9984	-0.00003
10	120	5239.9948	-0.00010	5239.9930	-0.00013	5239.9944	-0.00011	5239.9947	-0.00010
0	120	5239.9802	-0.00038	5239.9795	-0.00039	5239.9765	-0.00045	5239.9790	-0.00040
-10	120	5239.9813	-0.00036	5239.9796	-0.00039	5239.9772	-0.00044	5239.9816	-0.00035
-20	120	5239.9981	-0.00004	5239.9941	-0.00011	5239.9983	-0.00003	5239.9961	-0.00007
-30	120	5240.0047	0.00009	5240.0049	0.00009	5240.0056	0.00011	5240.0034	0.00006

FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5240MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
20	138	5239.9993	-0.00001	5239.9993	-0.00001	5239.9970	-0.00006	5239.9986	-0.00003
	120	5239.9985	-0.00003	5239.9990	-0.00002	5239.9965	-0.00007	5239.9984	-0.00003
	102	5239.9991	-0.00002	5239.9982	-0.00003	5239.9969	-0.00006	5239.9983	-0.00003

TEST MODE E

FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5240MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
50	120	5240.0124	0.00024	5240.0120	0.00023	5240.0139	0.00027	5240.0102	0.00019
40	120	5239.9792	-0.00040	5239.9776	-0.00043	5239.9802	-0.00038	5239.9793	-0.00040
30	120	5239.9853	-0.00028	5239.9831	-0.00032	5239.9871	-0.00025	5239.9837	-0.00031
20	120	5240.0162	0.00031	5240.0173	0.00033	5240.0178	0.00034	5240.0182	0.00035
10	120	5240.0242	0.00046	5240.0240	0.00046	5240.0227	0.00043	5240.0254	0.00048
0	120	5239.9798	-0.00039	5239.9776	-0.00043	5239.9787	-0.00041	5239.9812	-0.00036
-10	120	5239.9883	-0.00022	5239.9929	-0.00014	5239.9893	-0.00020	5239.9916	-0.00016
-20	120	5240.0076	0.00015	5240.0073	0.00014	5240.0101	0.00019	5240.0088	0.00017
-30	120	5240.0252	0.00048	5240.0238	0.00045	5240.0259	0.00049	5240.0239	0.00046

FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5240MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
20	138	5240.0172	0.00033	5240.0164	0.00031	5240.0187	0.00036	5240.0189	0.00036
	120	5240.0162	0.00031	5240.0173	0.00033	5240.0178	0.00034	5240.0182	0.00035
	102	5240.0170	0.00032	5240.0171	0.00033	5240.0168	0.00032	5240.0190	0.00036

TEST MODE F

FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5240MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
50	120	5239.9987	-0.00002	5240.0004	0.00001	5239.9967	-0.00006	5239.9973	-0.00005
40	120	5240.0139	0.00027	5240.0123	0.00023	5240.0127	0.00024	5240.0138	0.00026
30	120	5239.9784	-0.00041	5239.9770	-0.00044	5239.9743	-0.00049	5239.9783	-0.00041
20	120	5239.9926	-0.00014	5239.9899	-0.00019	5239.9946	-0.00010	5239.9934	-0.00013
10	120	5240.0142	0.00027	5240.0100	0.00019	5240.0108	0.00021	5240.0105	0.00020
0	120	5239.9883	-0.00022	5239.9835	-0.00031	5239.9851	-0.00028	5239.9867	-0.00025
-10	120	5239.9885	-0.00022	5239.9881	-0.00023	5239.9895	-0.00020	5239.9904	-0.00018
-20	120	5240.0163	0.00031	5240.0149	0.00028	5240.0191	0.00036	5240.0193	0.00037
-30	120	5239.9764	-0.00045	5239.9770	-0.00044	5239.9792	-0.00040	5239.9750	-0.00048

FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5240MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
20	138	5239.9919	-0.00015	5239.9897	-0.00020	5239.9937	-0.00012	5239.9941	-0.00011
	120	5239.9926	-0.00014	5239.9899	-0.00019	5239.9946	-0.00010	5239.9934	-0.00013
	102	5239.9928	-0.00014	5239.9896	-0.00020	5239.9942	-0.00011	5239.9932	-0.00013

TEST MODE G

FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5240MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
50	120	5239.9987	-0.00002	5240.0027	0.00005	5240.0004	0.00001	5240.0028	0.00005
40	120	5239.9748	-0.00048	5239.9750	-0.00048	5239.9759	-0.00046	5239.9787	-0.00041
30	120	5239.9926	-0.00014	5239.9939	-0.00012	5239.9913	-0.00017	5239.9906	-0.00018
20	120	5240.0164	0.00031	5240.0200	0.00038	5240.0166	0.00032	5240.0167	0.00032
10	120	5240.0077	0.00015	5240.0074	0.00014	5240.0105	0.00020	5240.0091	0.00017
0	120	5240.0151	0.00029	5240.0177	0.00034	5240.0187	0.00036	5240.0152	0.00029
-10	120	5240.0054	0.00010	5240.0054	0.00010	5240.0036	0.00007	5240.0044	0.00008
-20	120	5240.0254	0.00048	5240.0279	0.00053	5240.0261	0.00050	5240.0266	0.00051
-30	120	5240.0187	0.00036	5240.0149	0.00028	5240.0179	0.00034	5240.0172	0.00033

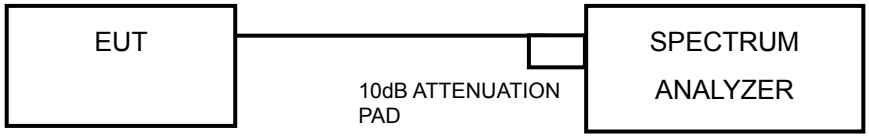
FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5240MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
20	138	5240.0157	0.00030	5240.0196	0.00037	5240.0167	0.00032	5240.0177	0.00034
	120	5240.0164	0.00031	5240.0200	0.00038	5240.0166	0.00032	5240.0167	0.00032
	102	5240.0173	0.00033	5240.0206	0.00039	5240.0172	0.00033	5240.0168	0.00032

4.6 6dB BANDWIDTH MEASUREMENT

4.6.1 LIMITS OF 6dB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

4.6.2 TEST SETUP



4.6.3 TEST INSTRUMENTS

Refer to section 4.1.2 to get information of above instrument.

4.6.4 TEST PROCEDURE

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

4.6.5 DEVIATION FROM TEST STANDARD

No deviation.

4.6.6 EUT OPERATING CONDITIONS

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

4.6.7 TEST RESULTS

TEST MODE A

802.11a

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	16.38	15.79	16.41	0.5	PASS
157	5785	16.36	16.35	16.38	0.5	PASS
165	5825	16.38	16.39	16.37	0.5	PASS

802.11ac (20MHz)

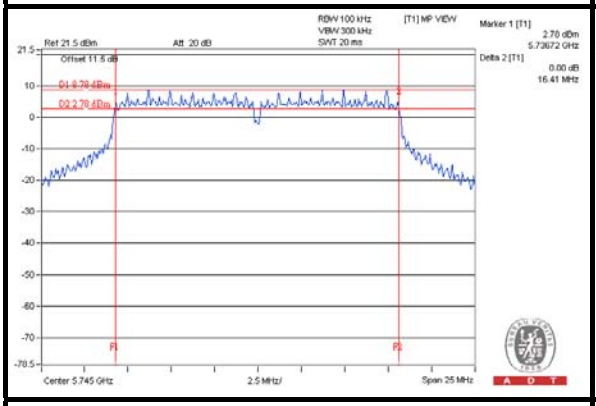
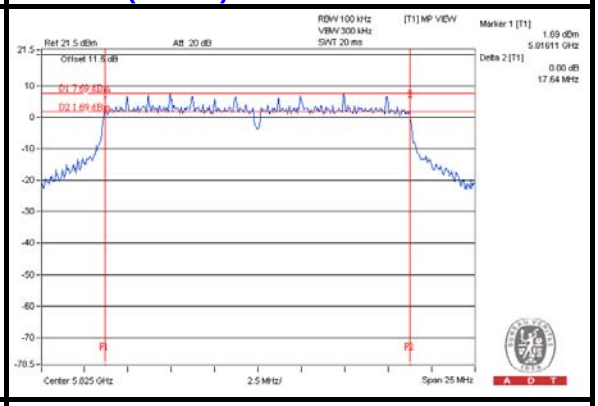
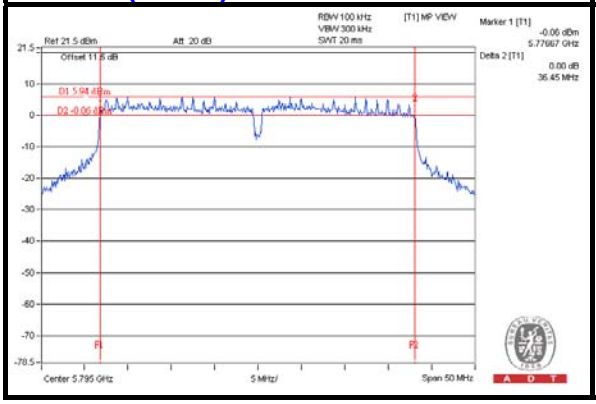
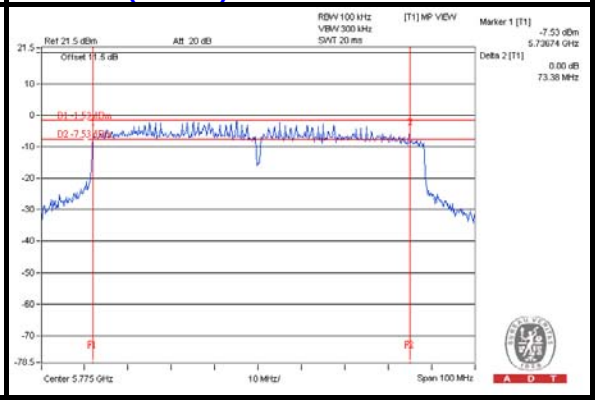
CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	17.61	17.33	17.63	0.5	PASS
157	5785	17.59	17.32	17.60	0.5	PASS
165	5825	17.64	17.60	17.60	0.5	PASS

802.11ac (40MHz)

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
151	5755	36.06	36.39	36.04	0.5	PASS
159	5795	35.95	36.45	36.41	0.5	PASS

802.11ac (80MHz)

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
155	5775	70.79	72.86	73.38	0.5	PASS

SPECTRUM PLOT OF WORST VALUE	
802.11a	**802.11ac (20MHz)**
	
802.11ac (40MHz)	**802.11ac (80MHz)**
	

TEST MODE B

802.11a

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1		
149	5745	16.38	16.40	0.5	PASS
157	5785	16.40	16.41	0.5	PASS
165	5825	16.39	16.36	0.5	PASS

802.11ac (20MHz)

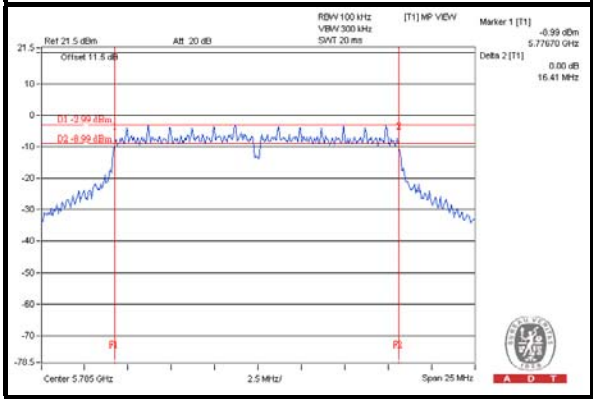
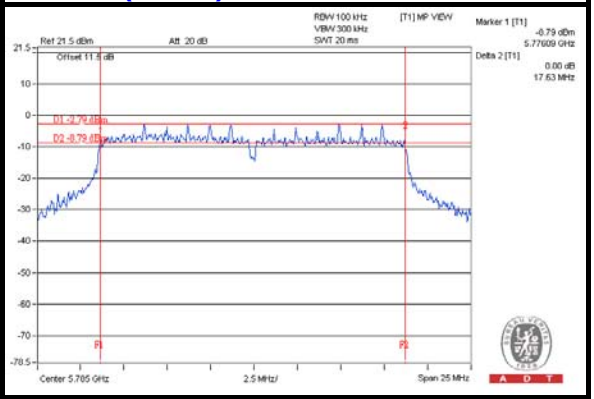
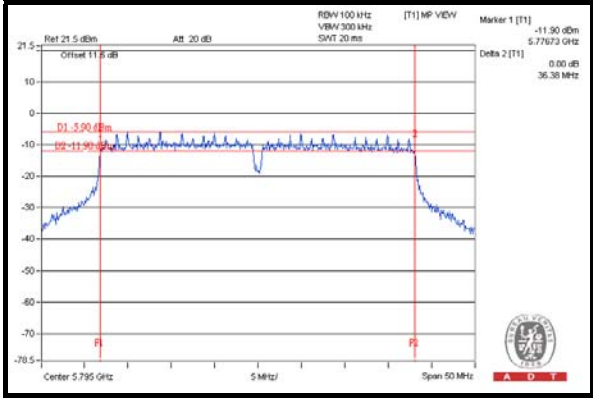
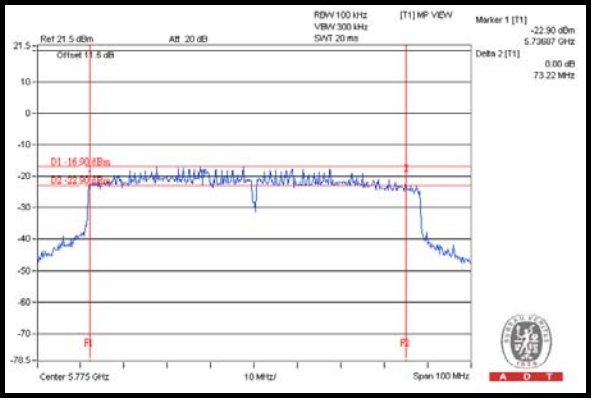
CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1		
149	5745	17.56	17.61	0.5	PASS
157	5785	17.59	17.63	0.5	PASS
165	5825	17.60	17.58	0.5	PASS

802.11ac (40MHz)

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1		
151	5755	35.98	36.06	0.5	PASS
159	5795	36.38	35.37	0.5	PASS

802.11ac (80MHz)

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1		
155	5775	72.71	73.22	0.5	PASS

SPECTRUM PLOT OF WORST VALUE	
802.11a	**802.11ac (20MHz)**
	
802.11ac (40MHz)	**802.11ac (80MHz)**
	

TEST MODE C

802.11a

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	16.39	16.41	16.39	0.5	PASS
157	5785	16.43	16.39	16.38	0.5	PASS
165	5825	16.41	16.38	16.39	0.5	PASS

802.11ac (20MHz)

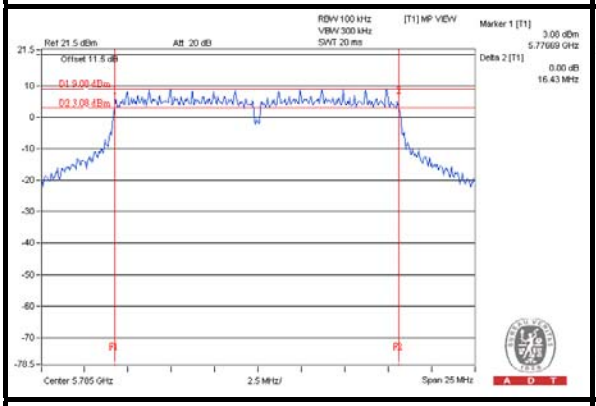
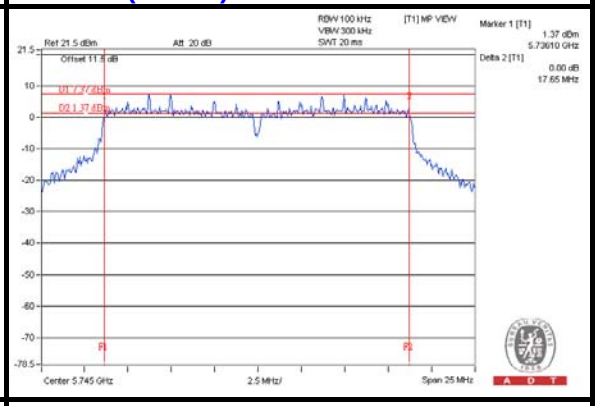
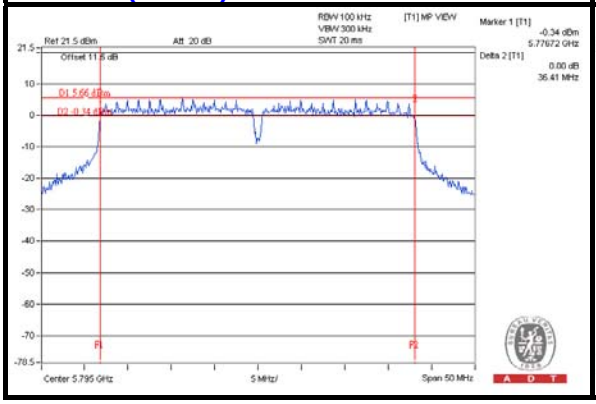
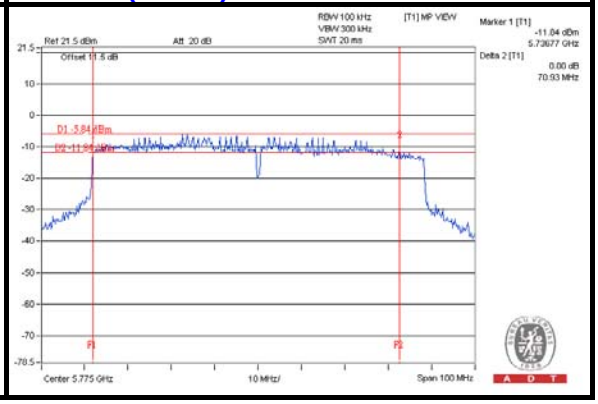
CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	17.64	17.65	17.63	0.5	PASS
157	5785	17.60	17.61	17.59	0.5	PASS
165	5825	17.60	17.63	17.59	0.5	PASS

802.11ac (40MHz)

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
151	5755	36.35	35.76	35.80	0.5	PASS
159	5795	36.41	35.74	36.36	0.5	PASS

802.11ac (80MHz)

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
155	5775	68.42	70.93	50.00	0.5	PASS

SPECTRUM PLOT OF WORST VALUE	
802.11a	802.11ac (20MHz)
	
802.11ac (40MHz)	802.11ac (80MHz)
	

TEST MODE D

802.11a

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	16.35	16.39	16.38	0.5	PASS
157	5785	16.32	16.35	15.97	0.5	PASS
165	5825	16.37	16.36	16.41	0.5	PASS

802.11ac (20MHz)

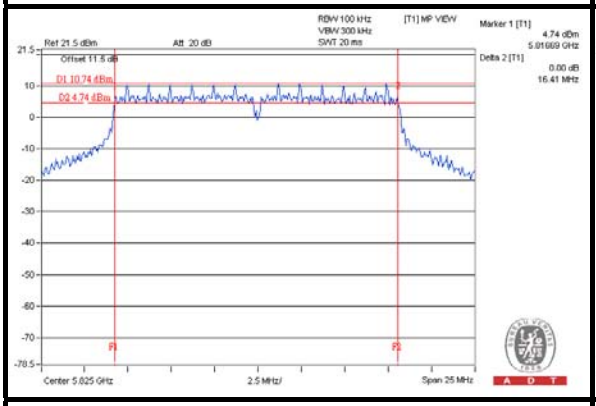
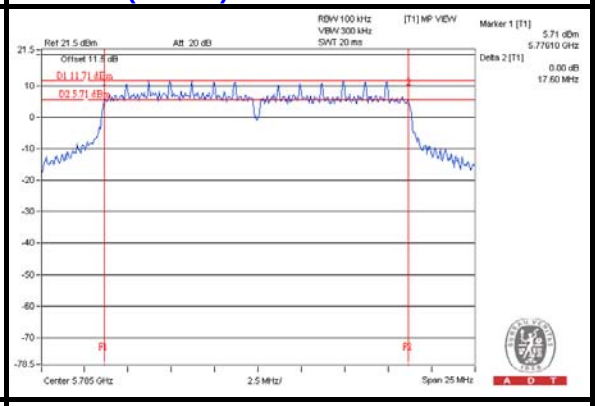
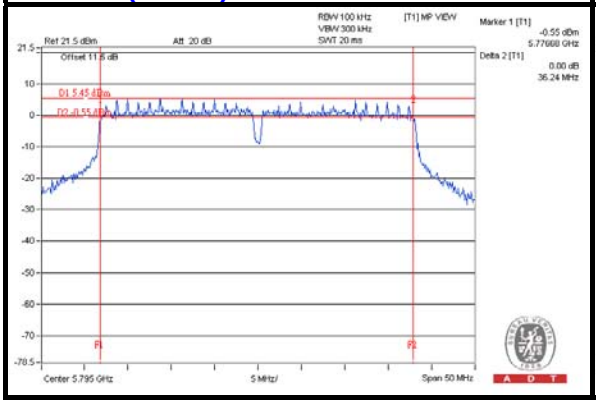
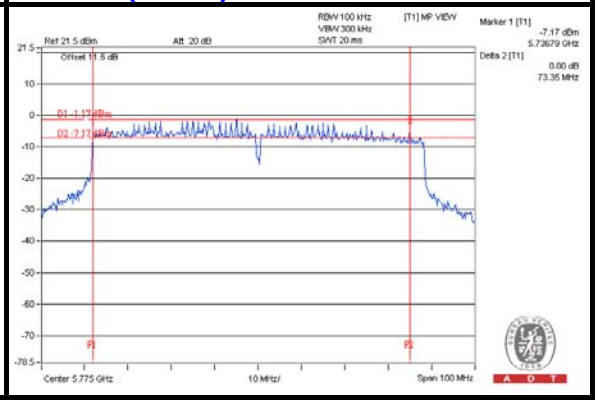
CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	17.32	17.36	17.57	0.5	PASS
157	5785	16.96	17.60	16.94	0.5	PASS
165	5825	17.09	16.58	17.00	0.5	PASS

802.11ac (40MHz)

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
151	5755	35.83	35.31	35.80	0.5	PASS
159	5795	36.24	35.56	35.87	0.5	PASS

802.11ac (80MHz)

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
155	5775	72.70	73.32	73.35	0.5	PASS

SPECTRUM PLOT OF WORST VALUE	
802.11a	802.11ac (20MHz)
	
802.11ac (40MHz)	802.11ac (80MHz)
	

TEST MODE E

802.11a

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	15.97	16.40	16.37	0.5	PASS
157	5785	16.37	16.35	16.41	0.5	PASS
165	5825	16.32	16.40	16.33	0.5	PASS

802.11ac (20MHz)

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	17.63	17.04	17.62	0.5	PASS
157	5785	17.35	17.58	16.95	0.5	PASS
165	5825	17.22	16.97	16.93	0.5	PASS

802.11ac (40MHz)

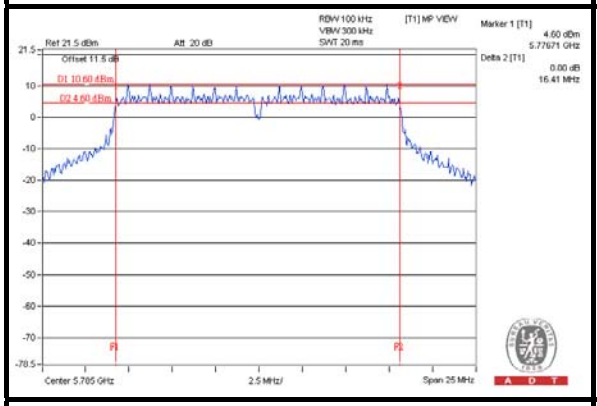
CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
151	5755	35.61	36.40	36.15	0.5	PASS
159	5795	35.58	35.36	35.89	0.5	PASS

802.11ac (80MHz)

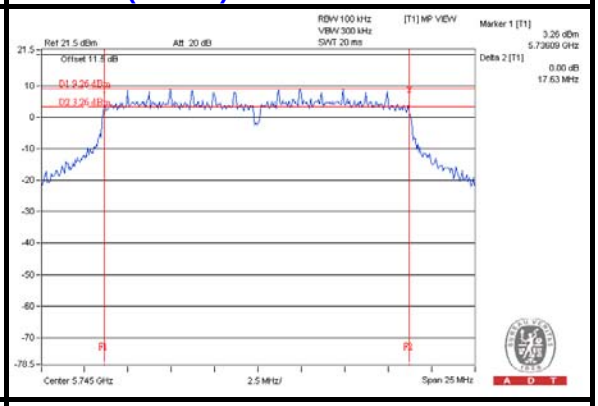
CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
155	5775	73.10	71.60	73.30	0.5	PASS

SPECTRUM PLOT OF WORST VALUE

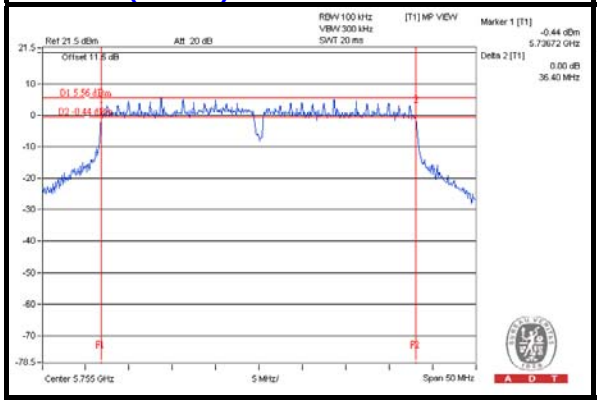
802.11a



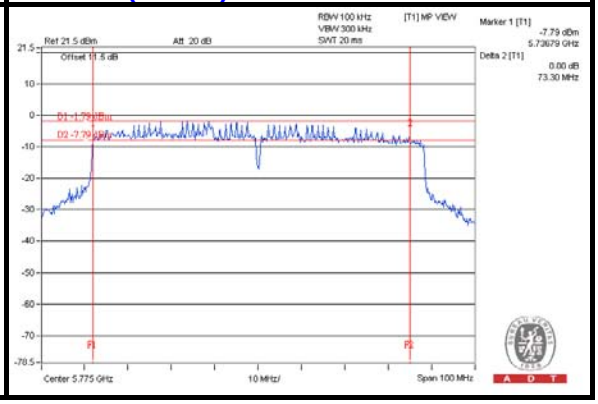
802.11ac (20MHz)



802.11ac (40MHz)



802.11ac (80MHz)



TEST MODE F

802.11a

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	16.35	16.36	16.40	0.5	PASS
157	5785	16.41	16.35	16.40	0.5	PASS
165	5825	16.38	16.37	16.37	0.5	PASS

802.11ac (20MHz)

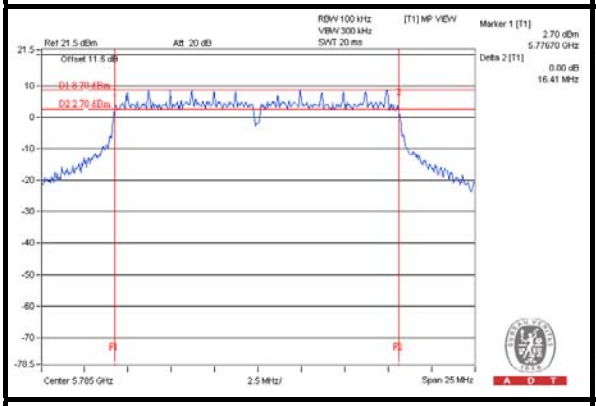
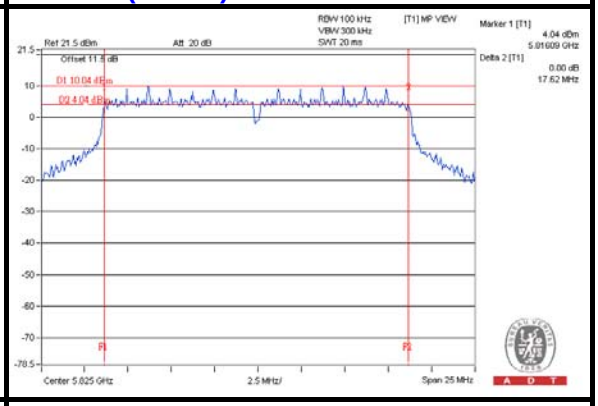
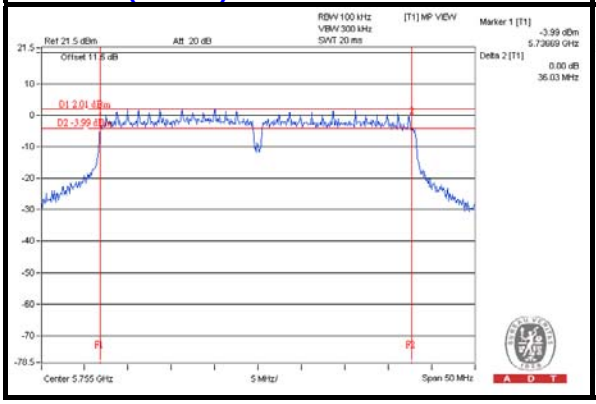
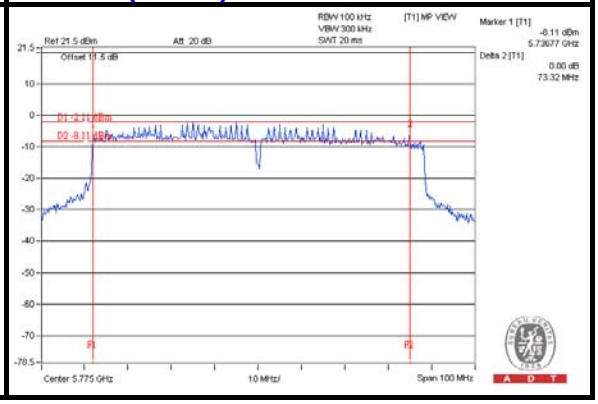
CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	17.61	17.32	17.61	0.5	PASS
157	5785	17.57	17.30	17.58	0.5	PASS
165	5825	17.18	17.32	17.62	0.5	PASS

802.11ac (40MHz)

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
151	5755	36.03	35.29	35.88	0.5	PASS
159	5795	35.85	35.79	35.84	0.5	PASS

802.11ac (80MHz)

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
155	5775	70.77	73.20	73.32	0.5	PASS

SPECTRUM PLOT OF WORST VALUE	
802.11a	**802.11ac (20MHz)**
	
802.11ac (40MHz)	**802.11ac (80MHz)**
	

TEST MODE G

802.11a

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	16.11	16.38	16.41	0.5	PASS
157	5785	15.94	16.37	16.39	0.5	PASS
165	5825	16.31	16.39	16.35	0.5	PASS

802.11ac (20MHz)

CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	17.62	16.58	17.61	0.5	PASS
157	5785	17.26	16.63	17.58	0.5	PASS
165	5825	17.60	17.57	17.60	0.5	PASS

802.11ac (40MHz)

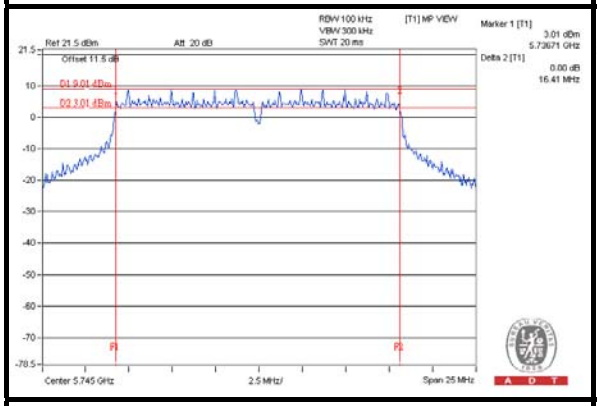
CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
151	5755	35.76	36.39	35.88	0.5	PASS
159	5795	35.89	36.09	35.88	0.5	PASS

802.11ac (80MHz)

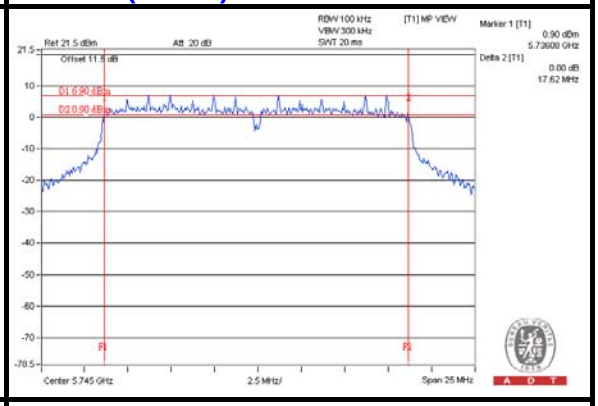
CHANNEL	FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
155	5775	70.43	73.03	75.88	0.5	PASS

SPECTRUM PLOT OF WORST VALUE

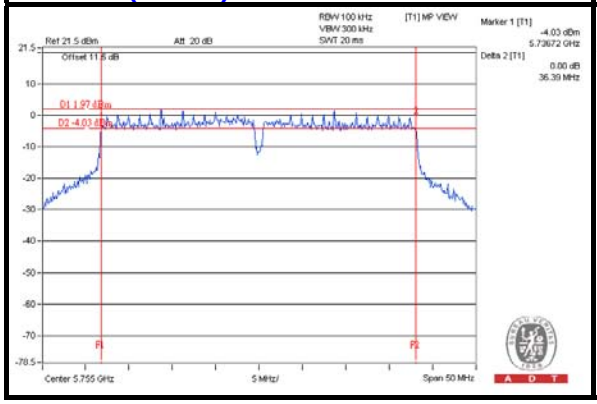
802.11a



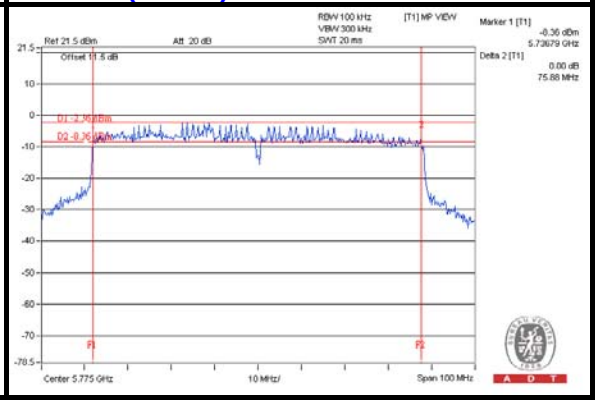
802.11ac (20MHz)



802.11ac (40MHz)



802.11ac (80MHz)



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:

Linko EMC/RF Lab:
Tel: 886-2-26052180
Fax: 886-2-26051924

Hsin Chu EMC/RF Lab:
Tel: 886-3-5935343
Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety Telecom Lab:
Tel: 886-3-3183232
Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com
Web Site: www.bureauveritas-adt.com

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

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.

---END---