FCC TEST REPORT

(Part 15, Subpart E)

Applicant:	Xiaomi Communications Co., Ltd.
Address:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

Manufacturer or Supplier:	Xiaomi Communications Co., Ltd.
Address:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Product:	Mobile Phone
Brand Name:	Redmi
Model Name:	M2003J6B2G
FCC ID:	2AFZZJ6B2G
Date of tests:	Mar. 05, 2020 ~ Apr. 10, 2020

The tests have been carried out according to the requirements of the following standard:

☒ **FCC Part 15, Subpart E, Section 15.407**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Alex Chen	Approved by Luke Lu
Engineer / Mobile Department	Manager / Mobile Department
	
Date: Apr. 13, 2020	Date: Apr. 13, 2020

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF200304W004-3	Original release	Apr. 13, 2020

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART E		
STANDARD SECTION	**TEST TYPE AND LIMIT**	**RESULT**
15.407(b)(6)	AC Power Conducted Emission	Compliance
15.407(b) (1/2/3/4/5)	Radiated Emission & Band Edge Measurement	Compliance
15.407(a/1/2/3)	Maximum conducted output Power	Compliance
15.407(a/1/2/3)	Peak Power Spectral Density	Compliance
15.403(i)	26 dB Bandwidth	Compliance
15.407(e)	6 dB Bandwidth	Compliance
15.203	Antenna Requirement	Compliance

1.1 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	UNCERTAINTY
AC Power Conducted emissions	±2.70dB
Radiated emissions (30MHz~1GMHz)	±4.98dB
Radiated emissions (1GMHz ~6GMHz)	±4.70dB
Radiated emissions (6GMHz ~18GMHz)	±4.60dB
Radiated emissions (18GMHz ~40GMHz)	±4.12dB
Conducted emissions	±4.01dB
Occupied Channel Bandwidth	±43.58KHz
Conducted Output power	±2.06dB
Power Spectral Density	±0.85 dB

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

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Mobile Phone
BRAND NAME	Redmi
MODEL NAME	M2003J6B2G
NOMINAL VOLTAGE	5V/9V/11V/12/20Vdc (adapter or host equipment) 3.87Vdc (Li-ion, battery)
MODULATION	OFDM
TRANSFER RATE	802.11a: 6 Mbps(Measured Worst) 802.11n20/ac 20: MCS0 (Measured Worst) 802.11n40/ac 40: MCS0 (Measured Worst) 802.11ac80: MCS0 (Measured Worst)
OPERATING FREQUENCY	5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~ 5700MHz, 5745 ~ 5805MHz
NUMBER OF CHANNEL	5180 ~ 5240MHz: 4 for 802.11a, 802.11n, 802.11ac (20MHz) 2 for 802.11n, 802.11ac (40MHz) 1 for 802.11ac (80MHz) 5260 ~ 5320MHz: 4 for 802.11a, 802.11n, 802.11ac (20MHz) 2 for 802.11n, 802.11ac (40MHz) 1 for 802.11ac (80MHz) 5500 ~ 5700MHz: 11 for 802.11a, 802.11n, 802.11ac(20MHz) 5 for 802.11n, 802.11ac (40MHz) 2 for 802.11ac (80MHz) 5745 ~ 5805MHz: 4 for 802.11a, 802.11n, 802.11ac (20MHz) 2 for 802.11n, 802.11ac (40MHz) 1 for 802.11ac (80MHz)
AVERAGE POWER	61.47mW for 5180 ~ 5240MHz 61.03mW for 5260 ~ 5320MHz 53.45mW for 5500 ~ 5700MHz 65.65mW for 5745 ~ 5805MHz
ANTENNA TYPE	PIFA Antenna
ANTENNA GAIN	ANT 0: -5.39dBi for 5180 ~ 5240MHz -4.76dBi for 5260 ~ 5320MHz -4.72dBi for 5500 ~ 5700MHz -4.47dBi for 5745 ~ 5805MHz ANT 1: -5.13dBi for 5180 ~ 5240MHz -5.27dBi for 5260 ~ 5320MHz -5.1dBi for 5500 ~ 5700MHz -4.96dBi for 5745 ~ 5805MHz
IMEI CODE	86531204

HW VERSION	P2.1
SW VERSION	MIUI 11
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	USB cable: 1.0 meter, non-shielded cable, with w/o ferrite core

NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitter and two receiver.

MODULATION MODE	TX FUNCTION
802.11a	2TX/2RX
802.11n/802.11ac (20MHz)	2TX/2RX
802.11n/802.11ac (40MHz)	2TX/2RX
802.11ac (80MHz)	2TX/2RX

3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

4. The device will automatically discontinue transmission in case of either absence of information to transmit or operational failure.

5. 4. The "List of Accessory" was recorded in Report NO: FV200304W004.

2.2 DESCRIPTION OF TEST MODES

FOR 5150 ~ 5250MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
38	5190 MHz	46	5230 MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
42	5210 MHz		

FOR 5250 ~ 5350MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
52	5260 MHz	60	5300 MHz
56	5280 MHz	64	5320 MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
54	5270 MHz	62	5310 MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
58	5290 MHz		

FOR 5470 ~ 5725MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
100	5500 MHz	124	5620MHz
104	5520 MHz	128	5640MHz
108	5540 MHz	132	5660 MHz
112	5560 MHz	136	5680 MHz
116	5580 MHz	140	5700 MHz
120	5600 MHz		

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
102	5510 MHz	126	5630MHz
110	5550 MHz	134	5670 MHz
118	5590 MHz		

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
106	5530 MHz	122	5610 MHz

FOR 5725 ~ 5850MHz

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

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

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
151	5755 MHz	159	5795 MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
155	5775 MHz		

2.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE≥1G	RE<1G	PLC	APCM	
A	√	√	√	**-**	**Powered by Adapter with wifi(5G) link**
B	-	-	-	√	Powered by Battery with wifi(5G) link
C	-	-	-	-	Powered by USB with wifi(5G) link

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

NOTE:
The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **X-plane.**
NOTE: "-"means no effect.

RADIATED EMISSION TEST (ABOVE 1GHz):

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

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

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
A	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	6.0
A	802.11n (20MHz)		36 to 48	36, 40, 48	OFDM	MCS0
A	802.11n (40MHz)		38 to 46	38, 46	OFDM	MCS0
A	802.11ac (80MHz)		42	42	OFDM	MCS0
A	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	6.0
A	802.11n (20MHz)		52 to 64	52, 60, 64	OFDM	MCS0
A	802.11n (40MHz)		54 to 62	54, 62	OFDM	MCS0
A	802.11ac (80MHz)		58	58	OFDM	MCS0
A	802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	6.0
A	802.11n (20MHz)		100 to 140	100, 116, 140	OFDM	MCS0
A	802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	MCS0
A	802.11ac (80MHz)		106 to 122	106, 122	OFDM	MCS0
A	802.11a	5745-5805	149 to 161	149, 157,161	OFDM	6.0
A	802.11n (20MHz)		149 to 161	149, 157,161	OFDM	MCS0
A	802.11n (40MHz)		151 to 159	1151, 159	OFDM	MCS0
A	802.11ac (80MHz)		155	155	OFDM	MCS0

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	DATA RATE (Mbps)
A	802.11ac (80MHz)	5745-5805	155	155	OFDM	MCS0

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	DATA RATE (Mbps)
A	802.11n40	5745-5805	151,159	159	OFDM	MCS0

BANDEDGE MEASUREMENT:

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

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

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
A	802.11a	5180-5240	36 to 48	36, 48	OFDM	6.0
A	802.11n (20MHz)		36 to 48	36, 48	OFDM	MCS0
A	802.11n (40MHz)		38 to 46	38, 46	OFDM	MCS0
A	802.11ac (80MHz)		42	42	OFDM	MCS0
A	802.11a	5260-5320	52 to 64	52, 64	OFDM	6.0
A	802.11n (20MHz)		52 to 64	52, 64	OFDM	MCS0
A	802.11n (40MHz)		54 to 62	54, 62	OFDM	MCS0
A	802.11ac (80MHz)		58	58	OFDM	MCS0
A	802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	6.0
A	802.11n (20MHz)		100 to 140	100, 116, 140	OFDM	MCS0
A	802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	MCS0
A	802.11ac (80MHz)		106 to 122	106, 122	OFDM	MCS0
A	802.11a	5745-5805	149 to 161	149, 157,161	OFDM	6.0
A	802.11n (20MHz)		149 to 161	149, 157,161	OFDM	MCS0
A	802.11n (40MHz)		151 to 159	151, 159	OFDM	MCS0
A	802.11ac (80MHz)		155	155	OFDM	MCS0

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	DATA RATE (Mbps)
B	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	6.0
B	802.11n (20MHz)		36 to 48	36, 40, 48	OFDM	MCS0
B	802.11n (40MHz)		38 to 46	38, 46	OFDM	MCS0
B	802.11ac (80MHz)		42	42	OFDM	MCS0
B	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	6.0
B	802.11n (20MHz)		52 to 64	52, 60, 64	OFDM	MCS0
B	802.11n (40MHz)		54 to 62	54, 62	OFDM	MCS0
B	802.11ac (80MHz)		58	58	OFDM	MCS0
B	802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	6.0
B	802.11n (20MHz)		100 to 140	100, 116, 140	OFDM	MCS0
B	802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	MCS0
B	802.11ac (80MHz)		106 to 122	106, 122	OFDM	MCS0
B	802.11a	5745-5805	149 to 161	149, 157,161	OFDM	6.0
B	802.11n (20MHz)		149 to 161	149, 157,161	OFDM	MCS0
B	802.11n (40MHz)		151 to 159	1151, 159	OFDM	MCS0
B	802.11ac (80MHz)		155	155	OFDM	MCS0

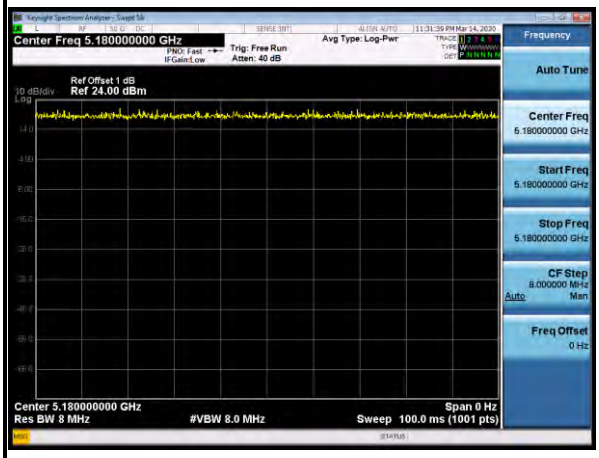
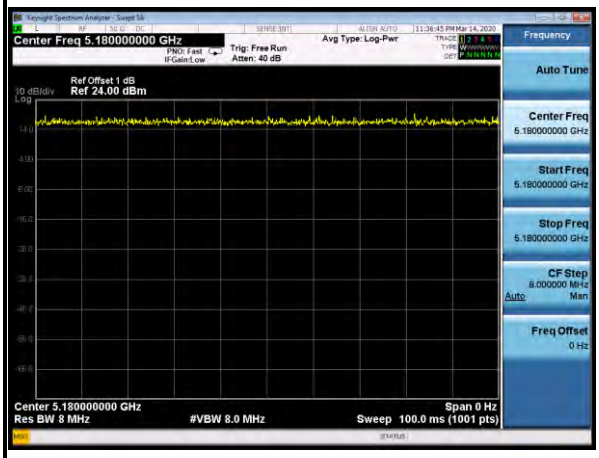
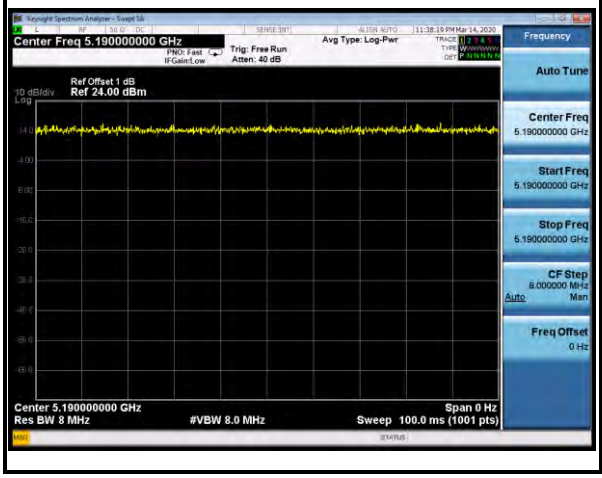
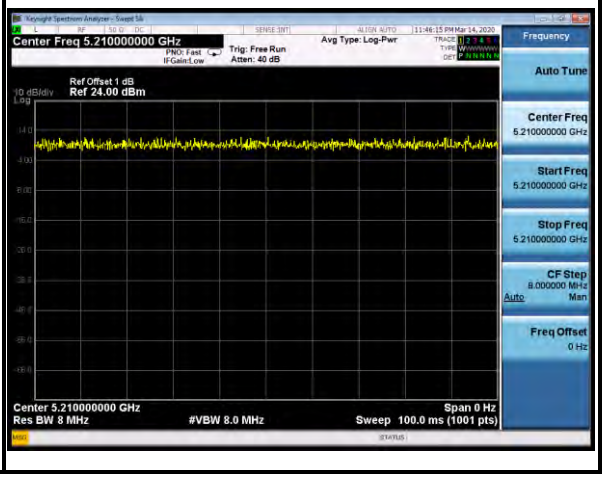
TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE<1G	23deg. C, 70%RH	DC 5V/9V/11V/12/20V By Adapter	Tony Xiong
RE≥1G	23deg. C, 70%RH	DC 5V/9V/11V/12/20V By Adapter	Tony Xiong
PLC	25deg. C, 52%RH	DC 5V/9V/11V/12/20V By Adapter	Chase Zhou
APCM	25deg. C, 60%RH	DC 3.87V By Battery	Harris Wang

2.3 DUTY CYCLE OF TEST SIGNAL

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

802.11a: Duty cycle = 100%, Duty factor shall not be considered
802.11n (20MHz): Duty cycle = 100%, Duty factor shall not be considered
802.11n (40MHz): Duty cycle = 100%, Duty factor shall not be considered
802.11ac (80MHz): Duty cycle = 100%, Duty factor shall not be considered

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

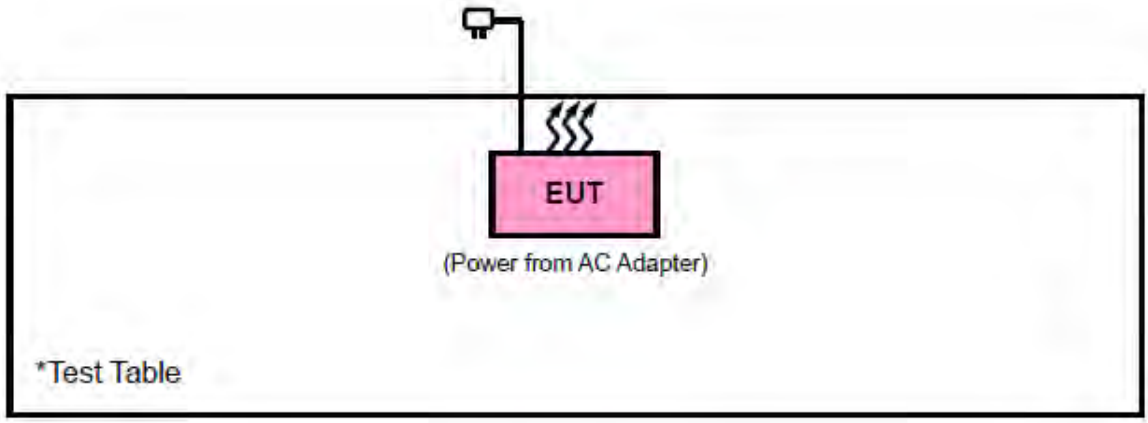
2.4 DESCRIPTION OF SUPPORT UNITS

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	Desktop	Lenovo	M73 SFF	PC04GRQV	N/A
2	Desktop	Lenovo	M73 SFF	PC06CS27	N/A
3	Laptop	Lenovo	Thnikpad L440	R90FTFKN	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	AC Line: Unshielded, Detachable 1.5m
2	AC Line: Unshielded, Detachable 1.5m
3	AC Line: Unshielded, Detachable 1.5m

2.4.1 CONFIGURATION OF SYSTEM UNDER TEST



2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

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

FCC Part 15, Subpart E (15.407)
KDB 789033 D02 General U-NII Test Procedures New Rules v02r01
ANSI C63.10-2013

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

NOTE: The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (Certification). The test report has been issued separately.

3 TEST TYPES AND RESULTS

3.1 RADIATED EMISSION AND BANDEDGE MEASUREMENT

3.1.1 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.

3.1.2 LIMITS OF UNWANTED EMISSION

<table>
<tr><td rowspan="3">RESTRICTED BANDS</td><td>APPLICABLE TO</td><td colspan="2">LIMIT</td></tr>
<tr><td rowspan="2">789033 D02 General UNII Test Procedures New Rules v02r01</td><td colspan="2">FIELD STRENGTH AT 3m (dBµV/m)</td></tr>
<tr><td>PK : 74</td><td>AV : 54</td></tr>
<tr><td rowspan="5">OUT OF THE RESTRICTED BANDS</td><td>APPLICABLE TO</td><td>EIRP LIMIT (dBm/MHz)</td><td>EQUIVALENT FIELD STRENGTH AT 3m (dBµV/m)</td></tr>
<tr><td>15.407(b)(1)</td><td rowspan="3">PK : -27</td><td rowspan="3">PK : 68.3</td></tr>
<tr><td>15.407(b)(2)</td></tr>
<tr><td>15.407(b)(3)</td></tr>
<tr><td>15.407(b)(4)</td><td colspan="2">See note 2 (FCC 16-24)</td></tr>
</table>

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

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

2. All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

3.1.3 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn-CT0001143-1216	Feb. 26,20	Feb. 25,21
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Feb. 26,20	Feb. 25,21
Horn Antenna	ETS-LINDGREN	3117	00168728	Feb. 26,20	Feb. 25,21
Horn Antenna (18GHz-40GHz)	N/A	QWH-SL-18-40-K-SG/QMS-00361	15433	Nov. 21, 19	Nov. 20, 20
Test Software	E3	V 9.160323	N/A	N/A	N/A
Test Software	ADT	ADT_Radiated_V7.6.15.9.2	N/A	N/A	N/A
10dB Attenuator	JFW/USA	50HF-010-SMA	1505	Jun. 21,20	Jun. 20,21
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Feb. 26,20	Feb. 25,21
Signal Pre-Amplifier	EMSI	EMC 9135	980249	Jun. 21,20	Jun. 20,21
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	Jun. 21,20	Jun. 20,21
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Jun. 21,20	Jun. 20,21

NOTE:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
2. The test was performed in 3m Chamber.
3. The FCC Site Registration No. is 525120; The Designation No. is CN1171.

3.1.4 TEST PROCEDURES

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

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

c. The 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:

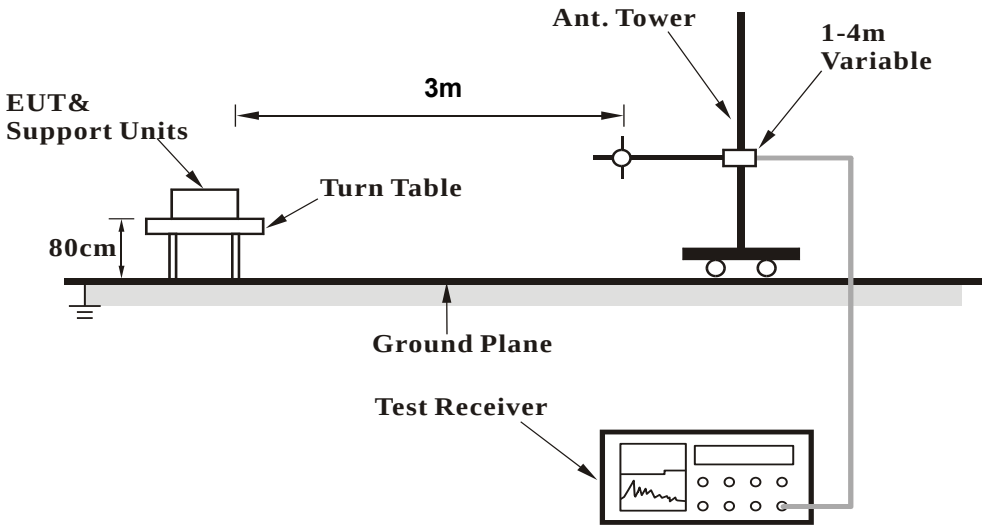
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency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

3.1.5 DEVIATION FROM TEST STANDARD

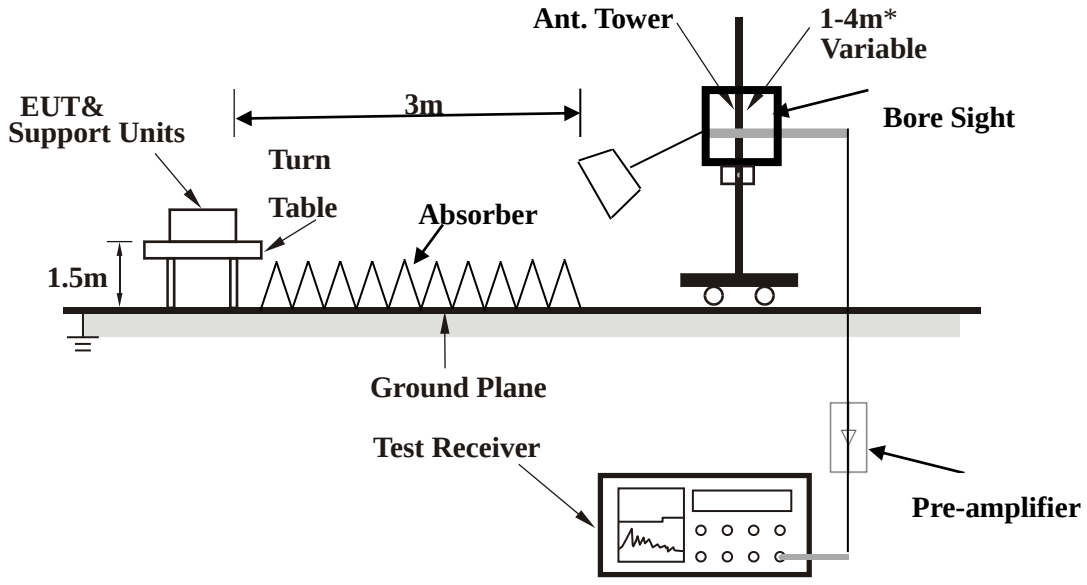
No deviation.

3.1.6 TEST SETUP

< Frequency Range 30MHz~1GHz >



<Frequency Range above 1GHz>



Note: Above 1G is a directional antenna

Depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

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

3.1.7 EUT OPERATING CONDITION

a. Set the EUT under full load condition and placed them on a testing table.

b. Set the transmitter part of EUT under transmission condition continuously at specific channel frequency.

c. The necessary accessories enable the EUT in full functions.

3.1.8 TEST RESULTS

BELOW 1GHz WORST-CASE DATA:

30 MHz – 1GHz data:

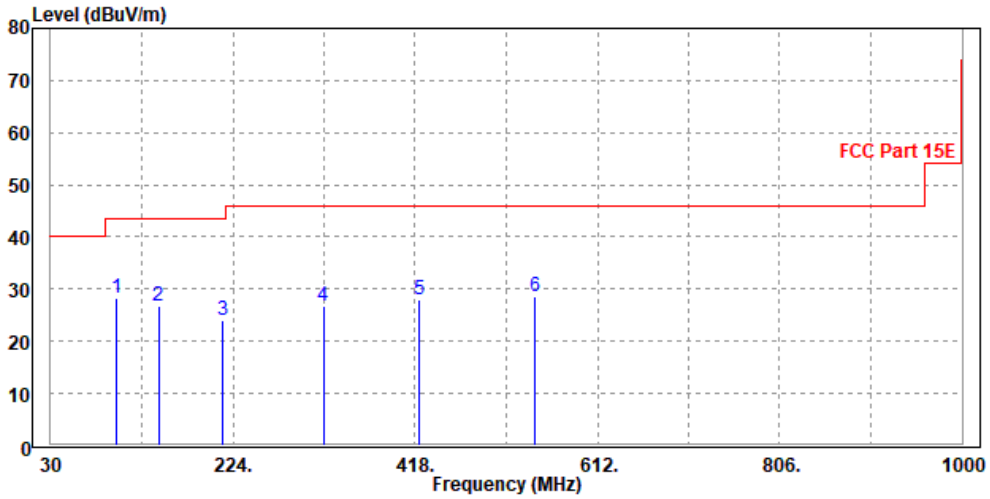
802.11ac (80MHZ)

CHANNEL	TX Channel 155	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
100.25	28.4	54.57	43.5	-15.1	9.68	1.31	37.16	101	0	Peak
144.77	26.77	52.85	43.5	-16.73	9.23	1.56	36.87	101	0	Peak
212.85	23.9	47.26	43.5	-19.6	11.37	1.85	36.58	101	0	Peak
320.17	26.83	46.58	46	-19.17	14.73	2.29	36.77	101	0	Peak
422.25	27.91	44.59	46	-18.09	17.49	2.7	36.87	101	0	Peak
545.96	28.71	43.57	46	-17.29	19.24	3.07	37.17	101	0	Peak

REMARKS:

1. Emission level (dBuV/m) = Read level (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.

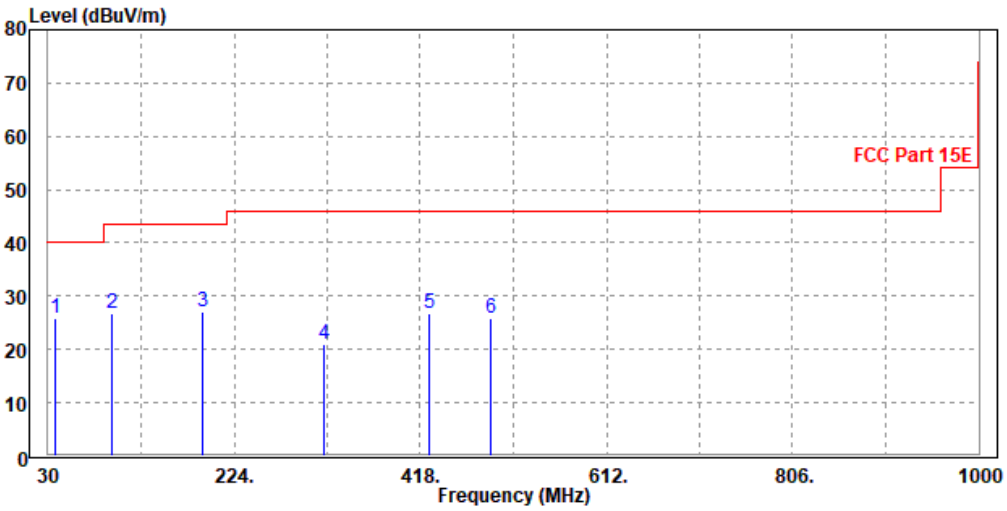


CHANNEL	Channel 159	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
37.15	25.71	48.52	40	-14.29	13.87	0.88	37.56	200	0	Peak
97.44	26.83	53.22	43.5	-16.67	9.49	1.3	37.18	200	0	Peak
191.25	27.05	51.27	43.5	-16.45	10.62	1.75	36.59	200	0	Peak
318.25	20.95	40.66	46	-25.05	14.77	2.28	36.76	200	0	Peak
426.55	26.77	43.26	46	-19.23	17.67	2.72	36.88	200	0	Peak
491.26	25.81	41.26	46	-20.19	18.58	2.96	36.99	200	0	Peak

REMARKS:

1. Emission level (dBuV/m) = Read level (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.



ABOVE 1GHz WORST-CASE DATA:

Note: For higher frequency, the emission is too low to be detected.

SISO MODE:

Band 1

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.43	59.41	74	-17.57	35.95	7.42	46.35	110	140	Peak
5150	43.65	46.63	54	-10.35	35.95	7.42	46.35	110	140	Average
5180	97.07	100.01			35.98	7.43	46.35	110	140	Peak
5180	87.67	90.61			35.98	7.43	46.35	110	140	Average
5350	56.12	58.8	74	-17.88	36.15	7.47	46.3	110	140	Peak
5350	43.55	46.23	54	-10.45	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	57.12	59.76	74	-16.88	36.29	7.42	46.35	110	140	Peak
5150	44.21	46.85	54	-9.79	36.29	7.42	46.35	110	140	Average
5180	100.64	103.25			36.31	7.43	46.35	110	140	Peak
5180	90.5	93.11			36.31	7.43	46.35	110	140	Average
5350	56.9	59.32	74	-17.1	36.41	7.47	46.3	110	140	Peak
5350	43.73	46.15	54	-10.27	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5180MHz: Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.32	59.3	74	-17.68	35.95	7.42	46.35	110	140	Peak
5150	43.52	46.5	54	-10.48	35.95	7.42	46.35	110	140	Average
5200	96.92	99.83			36	7.43	46.34	110	140	Peak
5200	88.51	91.42			36	7.43	46.34	110	140	Average
5350	56.1	58.78	74	-17.9	36.15	7.47	46.3	110	140	Peak
5350	43.55	46.23	54	-10.45	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.66	59.3	74	-17.34	36.29	7.42	46.35	110	140	Peak
5150	44	46.64	54	-10	36.29	7.42	46.35	110	140	Average
5200	101.04	103.63			36.32	7.43	46.34	110	140	Peak
5200	91.69	94.28			36.32	7.43	46.34	110	140	Average
5350	57.01	59.43	74	-16.99	36.41	7.47	46.3	110	140	Peak
5350	43.69	46.11	54	-10.31	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5200MHz: Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.35	58.99	74	-17.65	36.29	7.42	46.35	110	140	Peak
5150	43.67	46.31	54	-10.33	36.29	7.42	46.35	110	140	Average
5240	100.95	103.5			36.34	7.44	46.33	110	140	Peak
5240	91.38	93.93			36.34	7.44	46.33	110	140	Average
5350	56.46	58.88	74	-17.54	36.41	7.47	46.3	110	140	Peak
5350	43.66	46.08	54	-10.34	36.41	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.8	58.78	74	-18.2	35.95	7.42	46.35	110	140	Peak
5150	43.16	46.14	54	-10.84	35.95	7.42	46.35	110	140	Average
5240	97.42	100.27			36.04	7.44	46.33	110	140	Peak
5240	88.48	91.33			36.04	7.44	46.33	110	140	Average
5350	56.26	58.94	74	-17.74	36.15	7.47	46.3	110	140	Peak
5350	43.43	46.11	54	-10.57	36.15	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5240MHz: Fundamental frequency.

802.11n (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.51	59.49	74	-17.49	35.95	7.42	46.35	110	140	Peak
5150	43.48	46.46	54	-10.52	35.95	7.42	46.35	110	140	Average
5180	95.11	98.05			35.98	7.43	46.35	110	140	Peak
5180	85.12	88.06			35.98	7.43	46.35	110	140	Average
5350	57.33	60.01	74	-16.67	36.15	7.47	46.3	110	140	Peak
5350	43.69	46.37	54	-10.31	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.64	59.28	74	-17.36	36.29	7.42	46.35	110	140	Peak
5150	44	46.64	54	-10	36.29	7.42	46.35	110	140	Average
5180	98.28	100.89			36.31	7.43	46.35	110	140	Peak
5180	88.96	91.57			36.31	7.43	46.35	110	140	Average
5350	56.14	58.56	74	-17.86	36.41	7.47	46.3	110	140	Peak
5350	43.77	46.19	54	-10.23	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5180MHz: Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.75	59.73	74	-17.25	35.95	7.42	46.35	110	140	Peak
5150	43.68	46.66	54	-10.32	35.95	7.42	46.35	110	140	Average
5200	95.75	98.66			36	7.43	46.34	110	140	Peak
5200	86.26	89.17			36	7.43	46.34	110	140	Average
5350	56.76	59.44	74	-17.24	36.15	7.47	46.3	110	140	Peak
5350	43.64	46.32	54	-10.36	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	57.23	59.87	74	-16.77	36.29	7.42	46.35	110	140	Peak
5150	44.68	47.32	54	-9.32	36.29	7.42	46.35	110	140	Average
5200	98.7	101.29			36.32	7.43	46.34	110	140	Peak
5200	90.53	93.12			36.32	7.43	46.34	110	140	Average
5350	56.89	59.31	74	-17.11	36.41	7.47	46.3	110	140	Peak
5350	44.15	46.57	54	-9.85	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5200MHz: Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.34	59.32	74	-17.66	35.95	7.42	46.35	110	140	Peak
5150	43.64	46.62	54	-10.36	35.95	7.42	46.35	110	140	Average
5240	95.59	98.44			36.04	7.44	46.33	110	140	Peak
5240	86.84	89.69			36.04	7.44	46.33	110	140	Average
5350	56.67	59.35	74	-17.33	36.15	7.47	46.3	110	140	Peak
5350	43.8	46.48	54	-10.2	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.57	59.21	74	-17.43	36.29	7.42	46.35	110	140	Peak
5150	43.91	46.55	54	-10.09	36.29	7.42	46.35	110	140	Average
5240	98.98	101.53			36.34	7.44	46.33	110	140	Peak
5240	90.01	92.56			36.34	7.44	46.33	110	140	Average
5350	56.96	59.38	74	-17.04	36.41	7.47	46.3	110	140	Peak
5350	44	46.42	54	-10	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5240MHz: Fundamental frequency.

802.11n (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.88	59.86	74	-17.12	35.95	7.42	46.35	110	140	Peak
5150	43.91	46.89	54	-10.09	35.95	7.42	46.35	110	140	Average
5190	90.7	93.62			35.99	7.43	46.34	110	140	Peak
5190	82.54	85.46			35.99	7.43	46.34	110	140	Average
5350	56.81	59.49	74	-17.19	36.15	7.47	46.3	110	140	Peak
5350	43.89	46.57	54	-10.11	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	57.17	59.81	74	-16.83	36.29	7.42	46.35	110	140	Peak
5150	44.47	47.11	54	-9.53	36.29	7.42	46.35	110	140	Average
5190	94.48	97.08			36.31	7.43	46.34	110	140	Peak
5190	86.66	89.26			36.31	7.43	46.34	110	140	Average
5350	57.72	60.14	74	-16.28	36.41	7.47	46.3	110	140	Peak
5350	44	46.42	54	-10	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5190MHz: Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.7	59.68	74	-17.3	35.95	7.42	46.35	110	140	Peak
5150	43.71	46.69	54	-10.29	35.95	7.42	46.35	110	140	Average
5230	91.7	94.56			36.03	7.44	46.33	110	140	Peak
5230	84.23	87.09			36.03	7.44	46.33	110	140	Average
5350	56.23	58.91	74	-17.77	36.15	7.47	46.3	110	140	Peak
5350	43.91	46.59	54	-10.09	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	57.24	59.88	74	-16.76	36.29	7.42	46.35	110	140	Peak
5150	44.2	46.84	54	-9.8	36.29	7.42	46.35	110	140	Average
5230	96.65	99.2			36.34	7.44	46.33	110	140	Peak
5230	87.46	90.01			36.34	7.44	46.33	110	140	Average
5350	56.55	58.97	74	-17.45	36.41	7.47	46.3	110	140	Peak
5350	44.17	46.59	54	-9.83	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5230MHz: Fundamental frequency.

802.11ac (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.68	59.66	74	-17.32	35.95	7.42	46.35	110	140	Peak
5150	43.71	46.69	54	-10.29	35.95	7.42	46.35	110	140	Average
5210	88.47	91.36			36.01	7.44	46.34	110	140	Peak
5210	78.17	81.06			36.01	7.44	46.34	110	140	Average
5350	56.41	59.09	74	-17.59	36.15	7.47	46.3	110	140	Peak
5350	43.54	46.22	54	-10.46	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.97	59.61	74	-17.03	36.29	7.42	46.35	110	140	Peak
5150	44.17	46.81	54	-9.83	36.29	7.42	46.35	110	140	Average
5210	90.17	92.74			36.33	7.44	46.34	110	140	Peak
5210	81.69	84.26			36.33	7.44	46.34	110	140	Average
5350	56.41	58.83	74	-17.59	36.41	7.47	46.3	110	140	Peak
5350	43.95	46.37	54	-10.05	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5210MHz: Fundamental frequency.

Band 2

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.91	59.89	74	-17.09	35.95	7.42	46.35	100	140	Peak
5150	43.29	46.27	54	-10.71	35.95	7.42	46.35	100	140	Average
5260	98.19	101			36.06	7.45	46.32	100	140	Peak
5260	88.42	91.23			36.06	7.45	46.32	100	140	Average
5350	56.13	58.81	74	-17.87	36.15	7.47	46.3	100	140	Peak
5350	43.54	46.22	54	-10.46	36.15	7.47	46.3	100	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.48	59.12	74	-17.52	36.29	7.42	46.35	110	140	Peak
5150	43.62	46.26	54	-10.38	36.29	7.42	46.35	110	140	Average
5260	101.02	103.53			36.36	7.45	46.32	110	140	Peak
5260	92.28	94.79			36.36	7.45	46.32	110	140	Average
5350	56.56	58.98	74	-17.44	36.41	7.47	46.3	110	140	Peak
5350	43.83	46.25	54	-10.17	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5260MHz: Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.37	59.35	74	-17.63	35.95	7.42	46.35	110	140	Peak
5150	43.23	46.21	54	-10.77	35.95	7.42	46.35	110	140	Average
5300	96.96	99.71			36.1	7.46	46.31	110	140	Peak
5300	87.71	90.46			36.1	7.46	46.31	110	140	Average
5350	56.34	59.02	74	-17.66	36.15	7.47	46.3	110	140	Peak
5350	43.8	46.48	54	-10.2	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.86	59.5	74	-17.14	36.29	7.42	46.35	110	140	Peak
5150	43.51	46.15	54	-10.49	36.29	7.42	46.35	110	140	Average
5300	100.32	102.79			36.38	7.46	46.31	110	140	Peak
5300	91.58	94.05			36.38	7.46	46.31	110	140	Average
5350	57.25	59.67	74	-16.75	36.41	7.47	46.3	110	140	Peak
5350	44.17	46.59	54	-9.83	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5300MHz: Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.18	59.16	74	-17.82	35.95	7.42	46.35	110	140	Peak
5150	43.17	46.15	54	-10.83	35.95	7.42	46.35	110	140	Average
5320	96.45	99.17			36.12	7.46	46.3	110	140	Peak
5320	88.12	90.84			36.12	7.46	46.3	110	140	Average
5350	57.2	59.88	74	-16.8	36.15	7.47	46.3	110	140	Peak
5350	43.85	46.53	54	-10.15	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.57	59.21	74	-17.43	36.29	7.42	46.35	110	140	Peak
5150	43.72	46.36	54	-10.28	36.29	7.42	46.35	110	140	Average
5320	101.33	103.78			36.39	7.46	46.3	110	140	Peak
5320	91.35	93.8			36.39	7.46	46.3	110	140	Average
5350	57.24	59.66	74	-16.76	36.41	7.47	46.3	110	140	Peak
5350	44.37	46.79	54	-9.63	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5320MHz: Fundamental frequency.

802.11n (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.18	59.16	74	-17.82	35.95	7.42	46.35	110	140	Peak
5150	43.33	46.31	54	-10.67	35.95	7.42	46.35	110	140	Average
5260	95.26	98.07			36.06	7.45	46.32	110	140	Peak
5260	86.64	89.45			36.06	7.45	46.32	110	140	Average
5350	55.59	58.27	74	-18.41	36.15	7.47	46.3	110	140	Peak
5350	43.48	46.16	54	-10.52	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.43	59.07	74	-17.57	36.29	7.42	46.35	110	140	Peak
5150	43.65	46.29	54	-10.35	36.29	7.42	46.35	110	140	Average
5260	98.79	101.3			36.36	7.45	46.32	110	140	Peak
5260	90	92.51			36.36	7.45	46.32	110	140	Average
5350	56.34	58.76	74	-17.66	36.41	7.47	46.3	110	140	Peak
5350	43.82	46.24	54	-10.18	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5260MHz: Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.11	59.09	74	-17.89	35.95	7.42	46.35	110	140	Peak
5150	43.34	46.32	54	-10.66	35.95	7.42	46.35	110	140	Average
5300	95.74	98.49			36.1	7.46	46.31	110	140	Peak
5300	85.64	88.39			36.1	7.46	46.31	110	140	Average
5350	56.71	59.39	74	-17.29	36.15	7.47	46.3	110	140	Peak
5350	43.74	46.42	54	-10.26	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	57.07	59.71	74	-16.93	36.29	7.42	46.35	110	140	Peak
5150	43.8	46.44	54	-10.2	36.29	7.42	46.35	110	140	Average
5300	99.23	101.7			36.38	7.46	46.31	110	140	Peak
5300	88.42	90.89			36.38	7.46	46.31	110	140	Average
5350	56.4	58.82	74	-17.6	36.41	7.47	46.3	110	140	Peak
5350	44.13	46.55	54	-9.87	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5300MHz: Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.18	59.16	74	-17.82	35.95	7.42	46.35	110	140	Peak
5150	43.17	46.15	54	-10.83	35.95	7.42	46.35	110	140	Average
5320	96.45	99.17			36.12	7.46	46.3	110	140	Peak
5320	88.12	90.84			36.12	7.46	46.3	110	140	Average
5350	57.2	59.88	74	-16.8	36.15	7.47	46.3	110	140	Peak
5350	43.85	46.53	54	-10.15	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.57	59.21	74	-17.43	36.29	7.42	46.35	110	140	Peak
5150	43.72	46.36	54	-10.28	36.29	7.42	46.35	110	140	Average
5320	101.33	103.78			36.39	7.46	46.3	110	140	Peak
5320	91.35	93.8			36.39	7.46	46.3	110	140	Average
5350	57.24	59.66	74	-16.76	36.41	7.47	46.3	110	140	Peak
5350	44.37	46.79	54	-9.63	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5320MHz: Fundamental frequency.

802.11n (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.52	59.5	74	-17.48	35.95	7.42	46.35	110	140	Peak
5150	43.47	46.45	54	-10.53	35.95	7.42	46.35	110	140	Average
5270	91.32	94.12			36.07	7.45	46.32	110	140	Peak
5270	83.32	86.12			36.07	7.45	46.32	110	140	Average
5350	56.39	59.07	74	-17.61	36.15	7.47	46.3	110	140	Peak
5350	43.98	46.66	54	-10.02	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.4	59.04	74	-17.6	36.29	7.42	46.35	110	140	Peak
5150	43.72	46.36	54	-10.28	36.29	7.42	46.35	110	140	Average
5270	95.74	98.25			36.36	7.45	46.32	110	140	Peak
5270	86.82	89.33			36.36	7.45	46.32	110	140	Average
5350	56.84	59.26	74	-17.16	36.41	7.47	46.3	110	140	Peak
5350	44.46	46.88	54	-9.54	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5270MHz: Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.39	59.37	74	-17.61	35.95	7.42	46.35	110	140	Peak
5150	43.2	46.18	54	-10.8	35.95	7.42	46.35	110	140	Average
5310	93.4	96.14			36.11	7.46	46.31	110	140	Peak
5310	82.97	85.71			36.11	7.46	46.31	110	140	Average
5350	56.4	59.08	74	-17.6	36.15	7.47	46.3	110	140	Peak
5350	43.77	46.45	54	-10.23	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.59	59.23	74	-17.41	36.29	7.42	46.35	110	140	Peak
5150	43.67	46.31	54	-10.33	36.29	7.42	46.35	110	140	Average
5310	94.03	96.49			36.39	7.46	46.31	110	140	Peak
5310	86.04	88.5			36.39	7.46	46.31	110	140	Average
5350	57.58	60	74	-16.42	36.41	7.47	46.3	110	140	Peak
5350	44.32	46.74	54	-9.68	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5310MHz: Fundamental frequency.

802.11ac (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.77	58.75	74	-18.23	35.95	7.42	46.35	110	140	Peak
5150	43.19	46.17	54	-10.81	35.95	7.42	46.35	110	140	Average
5290	85.6	88.37			36.09	7.45	46.31	110	140	Peak
5290	76	78.77			36.09	7.45	46.31	110	140	Average
5350	56.3	58.98	74	-17.7	36.15	7.47	46.3	110	140	Peak
5350	43.56	46.24	54	-10.44	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.43	59.07	74	-17.57	36.29	7.42	46.35	110	140	Peak
5150	43.65	46.29	54	-10.35	36.29	7.42	46.35	110	140	Average
5290	89.82	92.31			36.37	7.45	46.31	110	140	Peak
5290	81.61	84.1			36.37	7.45	46.31	110	140	Average
5350	56.03	58.45	74	-17.97	36.41	7.47	46.3	110	140	Peak
5350	43.91	46.33	54	-10.09	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5290MHz: Fundamental frequency.

Band 3

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	57.19	59.7	74	-16.81	36.26	7.49	46.26	130	0	Peak
5460	43.86	46.37	54	-10.14	36.26	7.49	46.26	130	0	Average
#5470	56.55	59.05	68.3	-11.75	36.27	7.49	46.26	130	0	Peak
5500	97.6	100.05			36.3	7.5	46.25	130	0	Peak
5500	87.94	90.39			36.3	7.5	46.25	130	0	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	56.74	59.03	74	-17.26	36.48	7.49	46.26	100	350	Peak
5460	44.07	46.36	54	-9.93	36.48	7.49	46.26	100	350	Average
#5470	56.69	58.98	68.3	-11.61	36.48	7.49	46.26	100	350	Peak
5500	96.23	98.48			36.5	7.5	46.25	100	350	Peak
5500	86.34	88.59			36.5	7.5	46.25	100	350	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5500MHz: Fundamental frequency.
3. #: Out of restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	56.98	59.49	74	-17.02	36.26	7.49	46.26	200	345	Peak
5460	43.45	45.96	54	-10.55	36.26	7.49	46.26	200	345	Average
#5470	55.69	58.19	68.3	-12.61	36.27	7.49	46.26	200	345	Peak
5580	98.51	100.83			36.33	7.58	46.23	200	345	Peak
5580	88.42	90.74			36.33	7.58	46.23	200	345	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	56.72	59.01	74	-17.28	36.48	7.49	46.26	100	68	Peak
5460	43.72	46.01	54	-10.28	36.48	7.49	46.26	100	68	Average
#5470	57	59.29	68.3	-11.3	36.48	7.49	46.26	100	68	Peak
5580	98.03	100.13			36.55	7.58	46.23	100	68	Peak
5580	87.97	90.07			36.55	7.58	46.23	100	68	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5580MHz: Fundamental frequency.
3. #: Out of restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5700	99.6	101.71			36.38	7.7	46.19	200	340	Peak
5700	90.02	92.13			36.38	7.7	46.19	200	340	Average
#5725	59.16	61.23	68.3	-9.14	36.39	7.73	46.19	200	340	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5700	98.86	100.73			36.62	7.7	46.19	100	115	Peak
5700	89.44	91.31			36.62	7.7	46.19	100	115	Average
#5725	60.89	62.72	68.3	-7.41	36.63	7.73	46.19	100	115	Peak

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5700MHz: Fundamental frequency.
3. #: Out of restricted band.

802.11n (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	56.71	59.22	74	-17.29	36.26	7.49	46.26	110	120	Peak
5460	43.73	46.24	54	-10.27	36.26	7.49	46.26	110	120	Average
#5470	56.81	59.31	68.3	-11.49	36.27	7.49	46.26	110	120	Peak
5500	95.48	97.93			36.3	7.5	46.25	110	120	Peak
5500	85.52	87.97			36.3	7.5	46.25	110	120	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	56.76	59.05	74	-17.24	36.48	7.49	46.26	140	180	Peak
5460	43.54	45.83	54	-10.46	36.48	7.49	46.26	140	180	Average
#5470	56.33	58.62	68.3	-11.97	36.48	7.49	46.26	140	180	Peak
5500	94.93	97.18			36.5	7.5	46.25	140	180	Peak
5500	85.62	87.87			36.5	7.5	46.25	140	180	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5500MHz: Fundamental frequency.
3. #: Out of restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	56.88	59.39	74	-17.12	36.26	7.49	46.26	125	125	Peak
5460	43.44	45.95	54	-10.56	36.26	7.49	46.26	125	125	Average
#5470	57.24	59.74	68.3	-11.06	36.27	7.49	46.26	125	125	Peak
5580	97.9	100.22			36.33	7.58	46.23	125	125	Peak
5580	87.66	89.98			36.33	7.58	46.23	125	125	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	56.35	58.64	74	-17.65	36.48	7.49	46.26	100	352	Peak
5460	43.72	46.01	54	-10.28	36.48	7.49	46.26	100	352	Average
#5470	57.58	59.87	68.3	-10.72	36.48	7.49	46.26	100	352	Peak
5580	96.38	98.48			36.55	7.58	46.23	100	352	Peak
5580	86.75	88.85			36.55	7.58	46.23	100	352	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5580MHz: Fundamental frequency.
3. #: Out of restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5700	98.72	100.83			36.38	7.7	46.19	200	340	Peak
5700	88.69	90.8			36.38	7.7	46.19	200	340	Average
#5725	57.36	59.43	68.3	-10.94	36.39	7.73	46.19	200	340	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5700	94.48	96.35			36.62	7.7	46.19	100	120	Peak
5700	86.73	88.6			36.62	7.7	46.19	100	120	Average
#5725	55.96	57.79	68.3	-12.34	36.63	7.73	46.19	100	120	Peak

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5700MHz: Fundamental frequency.
3. #: Out of restricted band.

802.11n (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	56.22	58.73	74	-17.78	36.26	7.49	46.26	110	340	Peak
5460	43.15	45.66	54	-10.85	36.26	7.49	46.26	110	340	Average
#5470	56.16	58.66	68.3	-12.14	36.27	7.49	46.26	110	340	Peak
5510	90.25	92.69			36.3	7.51	46.25	110	340	Peak
5510	83.04	85.48			36.3	7.51	46.25	110	340	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	56.11	58.4	74	-17.89	36.48	7.49	46.26	100	130	Peak
5460	43.23	45.52	54	-10.77	36.48	7.49	46.26	100	130	Average
#5470	56.03	58.32	68.3	-12.27	36.48	7.49	46.26	100	130	Peak
5510	91.23	93.46			36.51	7.51	46.25	100	130	Peak
5510	80.93	83.16			36.51	7.51	46.25	100	130	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5510MHz: Fundamental frequency.
3. #: Out of restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	56.07	58.58	74	-17.93	36.26	7.49	46.26	110	340	Peak
5460	43.07	45.58	54	-10.93	36.26	7.49	46.26	110	340	Average
#5470	56.31	58.81	68.3	-11.99	36.27	7.49	46.26	110	340	Peak
5550	91.28	93.65			36.32	7.55	46.24	110	340	Peak
5550	82.78	85.15			36.32	7.55	46.24	110	340	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	56.29	58.58	74	-17.71	36.48	7.49	46.26	110	120	Peak
5460	43.26	45.55	54	-10.74	36.48	7.49	46.26	110	120	Average
#5470	56.89	59.18	68.3	-11.41	36.48	7.49	46.26	110	120	Peak
5550	90.42	92.58			36.53	7.55	46.24	110	120	Peak
5550	82	84.16			36.53	7.55	46.24	110	120	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5550MHz: Fundamental frequency.
3. #: Out of restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5670	90.91	93.07			36.37	7.67	46.2	110	120	Peak
5670	84.56	86.72			36.37	7.67	46.2	110	120	Average
#5725	58.16	60.23	68.3	-10.14	36.39	7.73	46.19	110	120	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5670	88.69	90.62			36.6	7.67	46.2	110	120	Peak
5670	82.5	84.43			36.6	7.67	46.2	110	120	Average
#5725	58.28	60.11	68.3	-10.02	36.63	7.73	46.19	110	120	Peak

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5670MHz: Fundamental frequency.
3. #: Out of restricted band.

802.11ac (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	55.42	57.93	74	-18.58	36.26	7.49	46.26	110	120	Peak
5460	43.01	45.52	54	-10.99	36.26	7.49	46.26	110	120	Average
#5470	55.98	58.48	68.3	-12.32	36.27	7.49	46.26	110	120	Peak
5530	88.11	90.51			36.31	7.53	46.24	110	120	Peak
5530	78.07	80.47			36.31	7.53	46.24	110	120	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	55.64	57.93	74	-18.36	36.48	7.49	46.26	110	120	Peak
5460	43.23	45.52	54	-10.77	36.48	7.49	46.26	110	120	Average
#5470	56.2	58.49	68.3	-12.1	36.48	7.49	46.26	110	120	Peak
5530	88.32	90.51			36.52	7.53	46.24	110	120	Peak
5530	78.28	80.47			36.52	7.53	46.24	110	120	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5530MHz: Fundamental frequency.
3. #: Out of restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5610	87.06	89.33			36.34	7.61	46.22	110	120	Peak
5610	78.79	81.06			36.34	7.61	46.22	110	120	Average
#5725	58.06	60.13	68.3	-10.24	36.39	7.73	46.19	110	120	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5610	84.02	86.06			36.57	7.61	46.22	110	120	Peak
5610	76.6	78.64			36.57	7.61	46.22	110	120	Average
#5725	58.35	60.18	68.3	-9.95	36.63	7.73	46.19	110	120	Peak

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5610MHz: Fundamental frequency.
3. #: Out of restricted band.

Band 4:

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5745	98.17	100.2			36.4	7.75	46.18	110	350	Peak
5745	88.64	90.67			36.4	7.75	46.18	110	350	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5745	97.82	99.6			36.65	7.75	46.18	110	140	Peak
5745	88.46	90.24			36.65	7.75	46.18	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5745MHz: Fundamental frequency.

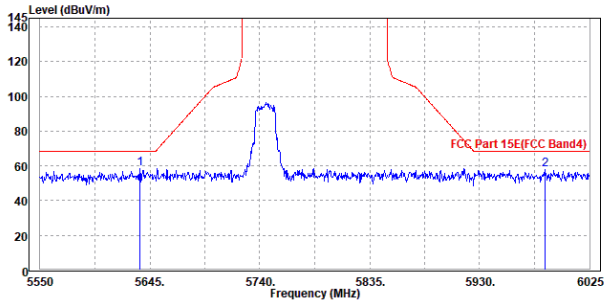
OOBE DATA

802.11a

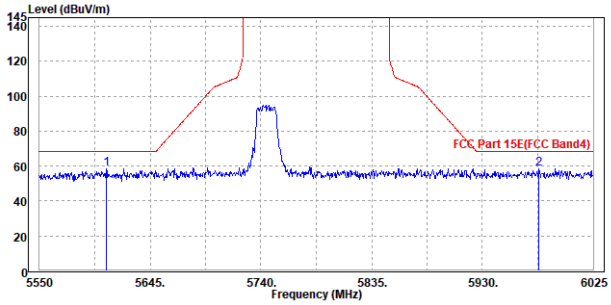
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5635.975	58.34	60.56	68.3	-9.96	36.35	7.64	46.21	110	350	Peak
5986.525	57.64	59.26	68.3	-10.66	36.49	8	46.11	110	350	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5607.475	58.67	60.72	68.3	-9.63	36.56	7.61	46.22	110	120	Peak
5978.45	58.21	59.55	68.3	-10.09	36.79	7.99	46.12	110	120	Peak

CH 149

Horiontal



Vertical



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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5785	99.24	101.21			36.41	7.79	46.17	110	130	Peak
5785	89.41	91.38			36.41	7.79	46.17	110	130	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5785	96.76	98.47			36.67	7.79	46.17	110	120	Peak
5785	88.31	90.02			36.67	7.79	46.17	110	120	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5785MHz: Fundamental frequency.

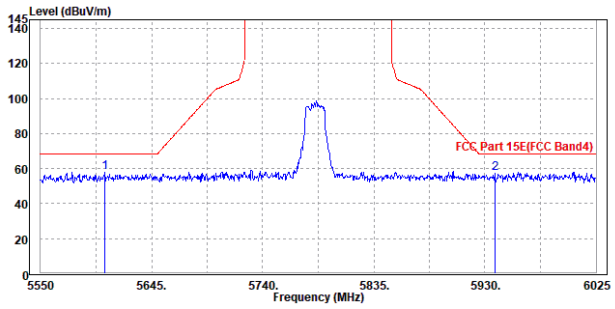
OOBE DATA

802.11a

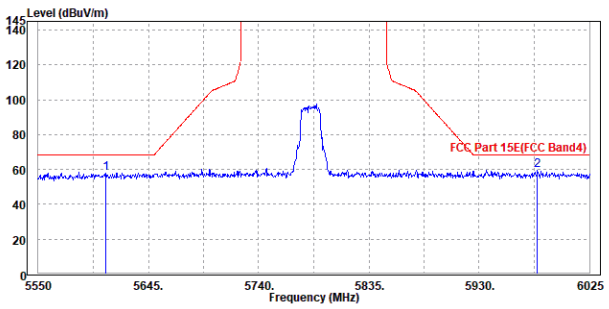
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5605.1	57.74	60.01	68.3	-10.56	36.34	7.61	46.22	110	130	Peak
5938.55	57.41	59.11	68.3	-10.89	36.48	7.95	46.13	110	130	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5607.95	58.08	60.13	68.3	-10.22	36.56	7.61	46.22	110	120	Peak
5980.35	59.64	60.98	68.3	-8.66	36.79	7.99	46.12	110	120	Peak

CH 157

Horiontal



Vertical



CHANNEL	TX Channel 161	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5805	98.65	100.58			36.42	7.81	46.16	100	220	Peak
5805	89.38	91.31			36.42	7.81	46.16	100	220	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5805	99.15	100.82			36.68	7.81	46.16	100	185	Peak
5805	89.3	90.97			36.68	7.81	46.16	100	185	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5805MHz: Fundamental frequency.

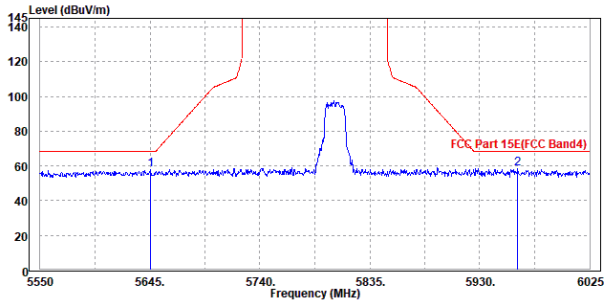
OOBE DATA

802.11a

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5645.475	58.08	60.28	68.3	-10.22	36.36	7.65	46.21	100	220	Peak
5962.775	58.5	60.16	68.3	-9.8	36.49	7.97	46.12	100	220	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5610.325	58.65	60.69	68.3	-9.65	36.57	7.61	46.22	100	185	Peak
5965.15	57.92	59.29	68.3	-10.38	36.78	7.97	46.12	100	185	Peak

CH 161

Horiontal



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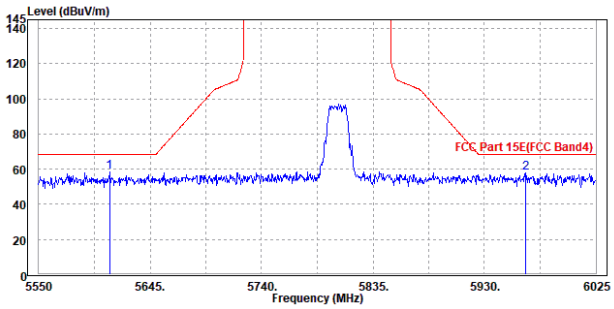


802.11n (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5745	95.03	97.06			36.4	7.75	46.18	110	130	Peak
5745	85.85	87.88			36.4	7.75	46.18	110	130	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5745	93.93	95.71			36.65	7.75	46.18	110	120	Peak
5745	84.28	86.06			36.65	7.75	46.18	110	120	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5745MHz: Fundamental frequency.

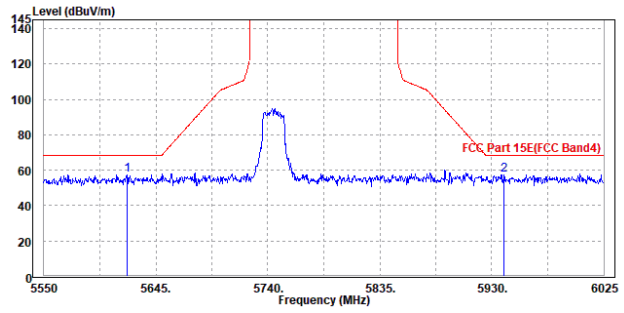
OOBE DATA

802.11n (20MHZ)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5620.3	57.38	59.63	68.3	-10.92	36.35	7.62	46.22	110	130	Peak
5940.45	57.57	59.27	68.3	-10.73	36.48	7.95	46.13	110	130	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5638.35	58.65	60.64	68.3	-9.65	36.58	7.64	46.21	110	120	Peak
5996.5	58.76	60.06	68.3	-9.54	36.8	8.01	46.11	110	120	Peak

CH 149

Horiontal



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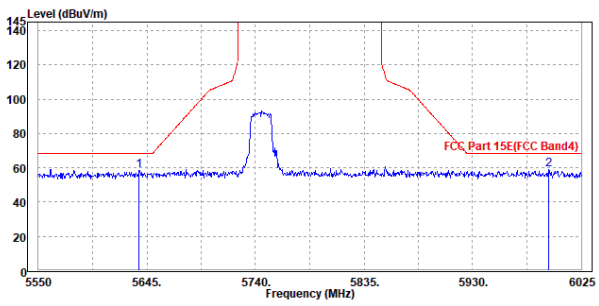


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5785	96.69	98.66			36.41	7.79	46.17	100	300	Peak
5785	87.27	89.24			36.41	7.79	46.17	100	300	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5785	98.56	100.53			36.41	7.79	46.17	100	360	Peak
5785	88.4	90.37			36.41	7.79	46.17	100	360	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5785MHz: Fundamental frequency.

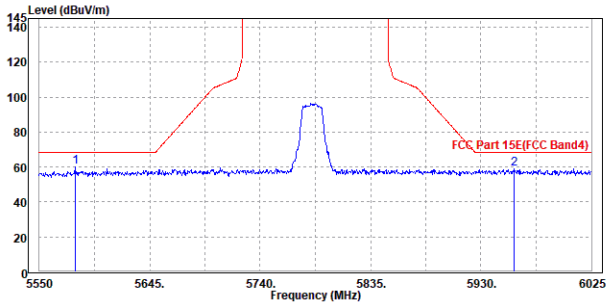
OOBE DATA

802.11n (20MHZ)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV /m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5580.875	60.36	62.68	68.3	-7.94	36.33	7.58	46.23	100	300	Peak
5958.5	59.1	60.77	68.3	-9.2	36.48	7.97	46.12	100	300	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV /m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5566.625	58.92	61.04	68.3	-9.38	36.54	7.57	46.23	100	360	Peak
6021.2	59.42	60.72	68.3	-8.88	36.82	7.98	46.1	100	360	Peak

CH 157

Horiontal



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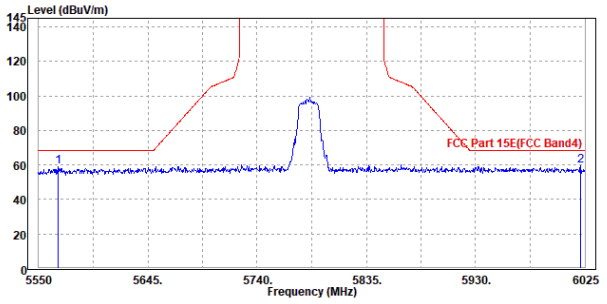


CHANNEL	TX Channel 161	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5805	98.45	100.38			36.42	7.81	46.16	100	220	Peak
5805	87.31	89.24			36.42	7.81	46.16	100	220	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5805	99.41	101.08			36.68	7.81	46.16	100	185	Peak
5805	85.53	87.2			36.68	7.81	46.16	100	185	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5805MHz: Fundamental frequency.

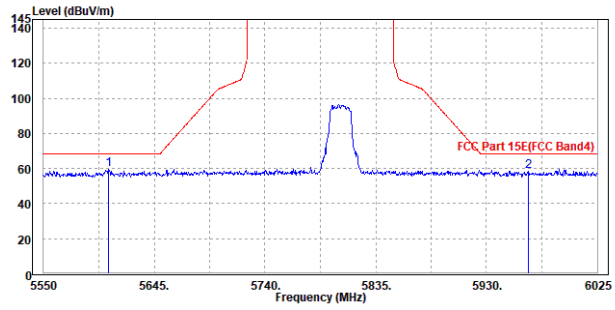
OOBE DATA

802.11n (20MHZ)

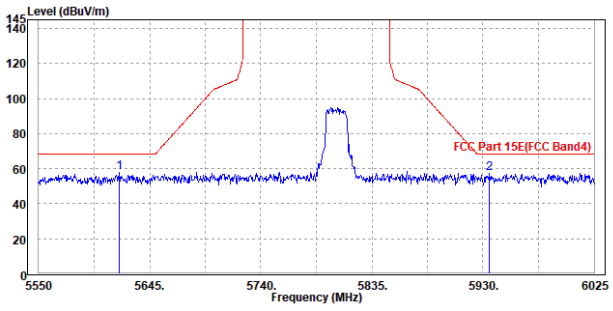
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5606.05	59.53	61.8	68.3	-8.77	36.34	7.61	46.22	100	220	Peak
5965.625	58.71	60.37	68.3	-9.59	36.49	7.97	46.12	100	220	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5619.35	57.71	59.74	68.3	-10.59	36.57	7.62	46.22	100	185	Peak
5935.7	57.35	58.78	68.3	-10.95	36.76	7.94	46.13	100	185	Peak

CH 161

Horiontal



Vertical



802.11n (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5755	91.86	93.88			36.4	7.76	46.18	100	300	Peak
5755	85.07	87.09			36.4	7.76	46.18	100	300	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5755	93.49	95.26			36.65	7.76	46.18	100	360	Peak
5755	84.95	86.72			36.65	7.76	46.18	100	360	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5755MHz: Fundamental frequency.

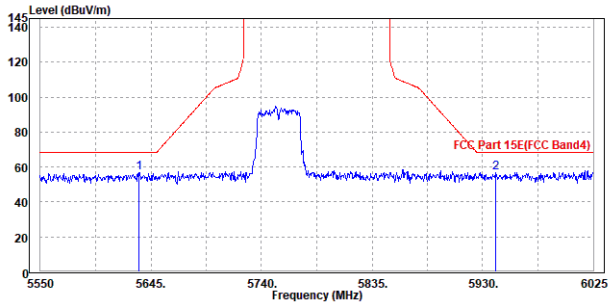
OOBE DATA

802.11n (40MHZ)

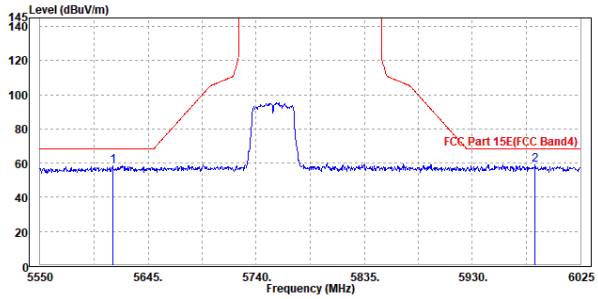
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5635.025	56.86	59.08	68.3	-11.44	36.35	7.64	46.21	100	300	Peak
5940.925	56.83	58.53	68.3	-11.47	36.48	7.95	46.13	100	300	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5613.65	58.51	60.54	68.3	-9.79	36.57	7.62	46.22	100	360	Peak
5985.1	58.85	60.18	68.3	-9.45	36.79	7.99	46.11	100	360	Peak

CH 151

Horiontal



Vertical



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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5795	91.26	93.21			36.42	7.8	46.17	100	300	5795
5795	84.69	86.64			36.42	7.8	46.17	100	300	5795
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5795	94.28	95.97			36.68	7.8	46.17	100	360	Peak
5795	86.15	87.84			36.68	7.8	46.17	100	360	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5795MHz: Fundamental frequency.

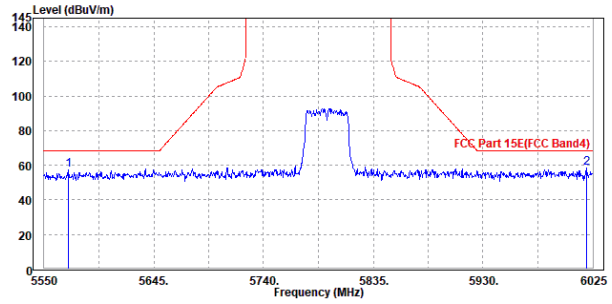
OOBE DATA

802.11n (40MHZ)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5570.9	57.41	59.74	68.3	-10.89	36.33	7.57	46.23	100	300	Peak
6019.775	58.51	60.11	68.3	-9.79	36.52	7.98	46.1	100	300	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5614.125	59.16	61.19	68.3	-9.14	36.57	7.62	46.22	100	360	Peak
5955.65	57.45	58.84	68.3	-10.85	36.77	7.96	46.12	100	360	Peak

CH 159

Horiontal



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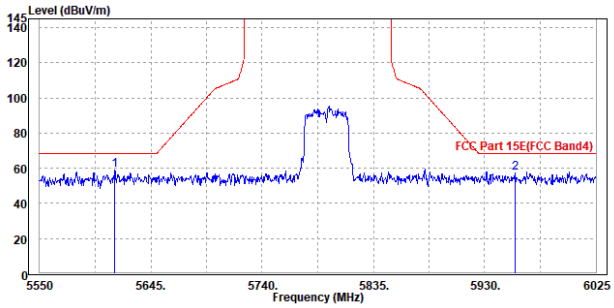


802.11ac (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5775	87.46	89.44			36.41	7.78	46.17	100	300	Peak
5775	79.85	81.83			36.41	7.78	46.17	100	300	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5775	88.45	90.17			36.67	7.78	46.17	100	360	Peak
5775	81.25	82.97			36.67	7.78	46.17	100	360	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5775MHz: Fundamental frequency.

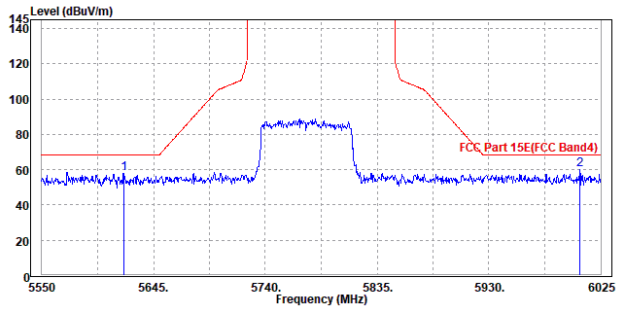
OOBE DATA

802.11ac (80MHZ)

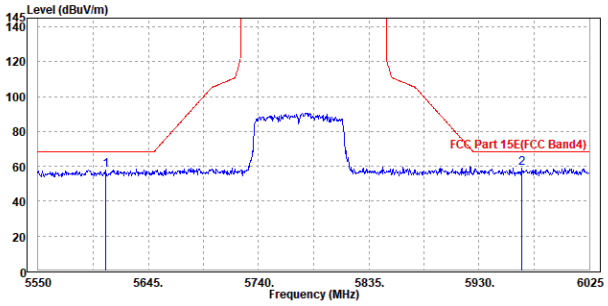
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5619.825	57.81	60.06	68.3	-10.49	36.35	7.62	46.22	100	300	Peak
6007.425	59.94	61.54	68.3	-8.36	36.51	8	46.11	100	300	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5607.95	58.15	60.2	68.3	-10.15	36.56	7.61	46.22	100	360	Peak
5967.05	58.8	60.16	68.3	-9.5	36.78	7.98	46.12	100	360	Peak

CH 155

Horiontal



Vertical



MIMO MODE:

Band 1

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	57.04	60.02	74	-16.96	35.95	7.42	46.35	100	150	Peak
5150	44.19	47.17	54	-9.81	35.95	7.42	46.35	100	150	Average
5180	102.35	105.29			35.98	7.43	46.35	100	150	Peak
5180	91.97	94.91			35.98	7.43	46.35	100	150	Average
5350	56.06	58.74	74	-17.94	36.15	7.47	46.3	100	150	Peak
5350	43.49	46.17	54	-10.51	36.15	7.47	46.3	100	150	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	57.08	59.72	74	-16.92	36.29	7.42	46.35	110	140	Peak
5150	44.51	47.15	54	-9.49	36.29	7.42	46.35	110	140	Average
5180	103.57	106.18			36.31	7.43	46.35	110	140	Peak
5180	92.01	94.62			36.31	7.43	46.35	110	140	Average
5350	57.08	59.5	74	-16.92	36.41	7.47	46.3	110	140	Peak
5350	43.99	46.41	54	-10.01	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5180MHz: Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.9	59.88	74	-17.1	35.95	7.42	46.35	110	140	Peak
5150	43.93	46.91	54	-10.07	35.95	7.42	46.35	110	140	Average
5200	103.5	106.41			36	7.43	46.34	110	140	Peak
5200	94.14	97.05			36	7.43	46.34	110	140	Average
5350	56.51	59.19	74	-17.49	36.15	7.47	46.3	110	140	Peak
5350	43.56	46.24	54	-10.44	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	57.71	60.35	74	-16.29	36.29	7.42	46.35	110	140	Peak
5150	44.47	47.11	54	-9.53	36.29	7.42	46.35	110	140	Average
5200	102.12	104.71			36.32	7.43	46.34	110	140	Peak
5200	93.1	95.69			36.32	7.43	46.34	110	140	Average
5350	56.92	59.34	74	-17.08	36.41	7.47	46.3	110	140	Peak
5350	44.02	46.44	54	-9.98	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5200MHz: Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.06	59.04	74	-17.94	35.95	7.42	46.35	110	140	Peak
5150	43.48	46.46	54	-10.52	35.95	7.42	46.35	110	140	Average
5240	102.81	105.66			36.04	7.44	46.33	110	140	Peak
5240	94.21	97.06			36.04	7.44	46.33	110	140	Average
5350	57.43	60.11	74	-16.57	36.15	7.47	46.3	110	140	Peak
5350	43.54	46.22	54	-10.46	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.75	59.39	74	-17.25	36.29	7.42	46.35	110	140	Peak
5150	43.82	46.46	54	-10.18	36.29	7.42	46.35	110	140	Average
5240	100.96	103.51			36.34	7.44	46.33	110	140	Peak
5240	92.43	94.98			36.34	7.44	46.33	110	140	Average
5350	56.83	59.25	74	-17.17	36.41	7.47	46.3	110	140	Peak
5350	43.81	46.23	54	-10.19	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5240MHz: Fundamental frequency.

802.11n (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.44	59.42	74	-17.56	35.95	7.42	46.35	100	0	Peak
5150	43.46	46.44	54	-10.54	35.95	7.42	46.35	100	0	Average
5180	97.66	100.6			35.98	7.43	46.35	100	0	Peak
5180	87.43	90.37			35.98	7.43	46.35	100	0	Average
5350	55.87	58.55	74	-18.13	36.15	7.47	46.3	100	0	Peak
5350	43.46	46.14	54	-10.54	36.15	7.47	46.3	100	0	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.76	59.4	74	-17.24	36.29	7.42	46.35	110	140	Peak
5150	44.03	46.67	54	-9.97	36.29	7.42	46.35	110	140	Average
5180	98.49	101.1			36.31	7.43	46.35	110	140	Peak
5180	87.61	90.22			36.31	7.43	46.35	110	140	Average
5350	56.66	59.08	74	-17.34	36.41	7.47	46.3	110	140	Peak
5350	43.68	46.1	54	-10.32	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5180MHz: Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.48	59.46	74	-17.52	35.95	7.42	46.35	100	360	Peak
5150	43.68	46.66	54	-10.32	35.95	7.42	46.35	100	360	Average
5200	97.94	100.85			36	7.43	46.34	100	360	Peak
5200	88.37	91.28			36	7.43	46.34	100	360	Average
5350	56.92	59.6	74	-17.08	36.15	7.47	46.3	100	360	Peak
5350	43.56	46.24	54	-10.44	36.15	7.47	46.3	100	360	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	57.41	60.05	74	-16.59	36.29	7.42	46.35	110	140	Peak
5150	44.29	46.93	54	-9.71	36.29	7.42	46.35	110	140	Average
5200	98.04	100.63			36.32	7.43	46.34	110	140	Peak
5200	89.7	92.29			36.32	7.43	46.34	110	140	Average
5350	56.44	58.86	74	-17.56	36.41	7.47	46.3	110	140	Peak
5350	43.97	46.39	54	-10.03	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5200MHz: Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.61	59.59	74	-17.39	35.95	7.42	46.35	100	320	Peak
5150	43.62	46.6	54	-10.38	35.95	7.42	46.35	100	320	Average
5240	97.04	99.89			36.04	7.44	46.33	100	320	Peak
5240	87.13	89.98			36.04	7.44	46.33	100	320	Average
5350	56.14	58.82	74	-17.86	36.15	7.47	46.3	100	320	Peak
5350	43.76	46.44	54	-10.24	36.15	7.47	46.3	100	320	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	57.08	59.72	74	-16.92	36.29	7.42	46.35	110	140	Peak
5150	43.91	46.55	54	-10.09	36.29	7.42	46.35	110	140	Average
5240	98.59	101.14			36.34	7.44	46.33	110	140	Peak
5240	89.83	92.38			36.34	7.44	46.33	110	140	Average
5350	56.63	59.05	74	-17.37	36.41	7.47	46.3	110	140	Peak
5350	43.94	46.36	54	-10.06	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5240MHz: Fundamental frequency.

802.11n (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.66	59.64	74	-17.34	35.95	7.42	46.35	145	140	Peak
5150	43.9	46.88	54	-10.1	35.95	7.42	46.35	145	140	Average
5190	98.54	101.46			35.99	7.43	46.34	145	140	Peak
5190	90.46	93.38			35.99	7.43	46.34	145	140	Average
5350	56.75	59.43	74	-17.25	36.15	7.47	46.3	145	140	Peak
5350	43.38	46.06	54	-10.62	36.15	7.47	46.3	145	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	57	59.64	74	-17	36.29	7.42	46.35	110	140	Peak
5150	44.22	46.86	54	-9.78	36.29	7.42	46.35	110	140	Average
5190	96.1	98.7			36.31	7.43	46.34	110	140	Peak
5190	87.34	89.94			36.31	7.43	46.34	110	140	Average
5350	56.24	58.66	74	-17.76	36.41	7.47	46.3	110	140	Peak
5350	43.78	46.2	54	-10.22	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5190MHz: Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.32	59.3	74	-17.68	35.95	7.42	46.35	110	140	Peak
5150	43.51	46.49	54	-10.49	35.95	7.42	46.35	110	140	Average
5230	96.69	99.55			36.03	7.44	46.33	110	140	Peak
5230	88.99	91.85			36.03	7.44	46.33	110	140	Average
5350	55.98	58.66	74	-18.02	36.15	7.47	46.3	110	140	Peak
5350	43.44	46.12	54	-10.56	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.78	59.42	74	-17.22	36.29	7.42	46.35	110	140	Peak
5150	43.88	46.52	54	-10.12	36.29	7.42	46.35	110	140	Average
5230	94.71	97.26			36.34	7.44	46.33	110	140	Peak
5230	86.34	88.89			36.34	7.44	46.33	110	140	Average
5350	57.01	59.43	74	-16.99	36.41	7.47	46.3	110	140	Peak
5350	43.79	46.21	54	-10.21	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5230MHz: Fundamental frequency.

802.11ac (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.73	59.71	74	-17.27	35.95	7.42	46.35	110	140	Peak
5150	43.49	46.47	54	-10.51	35.95	7.42	46.35	110	140	Average
5210	91.83	94.72			36.01	7.44	46.34	110	140	Peak
5210	83.16	86.05			36.01	7.44	46.34	110	140	Average
5350	56.18	58.86	74	-17.82	36.15	7.47	46.3	110	140	Peak
5350	43.56	46.24	54	-10.44	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.78	59.42	74	-17.22	36.29	7.42	46.35	110	140	Peak
5150	44.09	46.73	54	-9.91	36.29	7.42	46.35	110	140	Average
5210	89.74	92.31			36.33	7.44	46.34	110	140	Peak
5210	80.58	83.15			36.33	7.44	46.34	110	140	Average
5350	56.85	59.27	74	-17.15	36.41	7.47	46.3	110	140	Peak
5350	43.74	46.16	54	-10.26	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5210MHz: Fundamental frequency.

Band 2

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.69	58.67	74	-18.31	35.95	7.42	46.35	110	140	Peak
5150	43.07	46.05	54	-10.93	35.95	7.42	46.35	110	140	Average
5260	102.26	105.07			36.06	7.45	46.32	110	140	Peak
5260	93.06	95.87			36.06	7.45	46.32	110	140	Average
5350	56.08	58.76	74	-17.92	36.15	7.47	46.3	110	140	Peak
5350	43.52	46.2	54	-10.48	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56	58.64	74	-18	36.29	7.42	46.35	110	140	Peak
5150	43.45	46.09	54	-10.55	36.29	7.42	46.35	110	140	Average
5260	102.04	104.55			36.36	7.45	46.32	110	140	Peak
5260	71.6	74.11			36.36	7.45	46.32	110	140	Average
5350	56.45	58.87	74	-17.55	36.41	7.47	46.3	110	140	Peak
5350	43.63	46.05	54	-10.37	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5260MHz: Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.99	58.97	74	-18.01	35.95	7.42	46.35	110	140	Peak
5150	43.17	46.15	54	-10.83	35.95	7.42	46.35	110	140	Average
5300	101.99	104.74			36.1	7.46	46.31	110	140	Peak
5300	92.21	94.96			36.1	7.46	46.31	110	140	Average
5350	56.76	59.44	74	-17.24	36.15	7.47	46.3	110	140	Peak
5350	43.92	46.6	54	-10.08	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.84	58.48	74	-18.16	36.29	7.42	46.35	110	140	Peak
5150	43.91	46.55	54	-10.09	36.29	7.42	46.35	110	140	Average
5300	100.4	102.87			36.38	7.46	46.31	110	140	Peak
5300	91.83	94.3			36.38	7.46	46.31	110	140	Average
5350	57.36	59.78	74	-16.64	36.41	7.47	46.3	110	140	Peak
5350	43.93	46.35	54	-10.07	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5300MHz: Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.38	59.36	74	-17.62	35.95	7.42	46.35	110	140	Peak
5150	43.03	46.01	54	-10.97	35.95	7.42	46.35	110	140	Average
5320	101.48	104.2			36.12	7.46	46.3	110	140	Peak
5320	92.84	95.56			36.12	7.46	46.3	110	140	Average
5350	57.25	59.93	74	-16.75	36.15	7.47	46.3	110	140	Peak
5350	43.99	46.67	54	-10.01	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.67	59.31	74	-17.33	36.29	7.42	46.35	110	140	Peak
5150	43.91	46.55	54	-10.09	36.29	7.42	46.35	110	140	Average
5320	101.51	103.96			36.39	7.46	46.3	110	140	Peak
5320	92.19	94.64			36.39	7.46	46.3	110	140	Average
5350	56.32	58.74	74	-17.68	36.41	7.47	46.3	110	140	Peak
5350	44	46.42	54	-10	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5320MHz: Fundamental frequency.

802.11n (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.95	58.93	74	-18.05	35.95	7.42	46.35	110	140	Peak
5150	43.17	46.15	54	-10.83	35.95	7.42	46.35	110	140	Average
5260	100.27	103.08			36.06	7.45	46.32	110	140	Peak
5260	92.31	95.12			36.06	7.45	46.32	110	140	Average
5350	56.18	58.86	74	-17.82	36.15	7.47	46.3	110	140	Peak
5350	43.26	45.94	54	-10.74	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.9	58.54	74	-18.1	36.29	7.42	46.35	110	140	Peak
5150	43.26	45.9	54	-10.74	36.29	7.42	46.35	110	140	Average
5260	98.88	101.39			36.36	7.45	46.32	110	140	Peak
5260	89.88	92.39			36.36	7.45	46.32	110	140	Average
5350	56.2	58.62	74	-17.8	36.41	7.47	46.3	110	140	Peak
5350	43.38	45.8	54	-10.62	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5260MHz: Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.94	58.92	74	-18.06	35.95	7.42	46.35	110	140	Peak
5150	43.12	46.1	54	-10.88	35.95	7.42	46.35	110	140	Average
5300	99.8	102.55			36.1	7.46	46.31	110	140	Peak
5300	86.8	89.55			36.1	7.46	46.31	110	140	Average
5350	57.72	60.4	74	-16.28	36.15	7.47	46.3	110	140	Peak
5350	43.87	46.55	54	-10.13	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.91	59.55	74	-17.09	36.29	7.42	46.35	110	140	Peak
5150	43.75	46.39	54	-10.25	36.29	7.42	46.35	110	140	Average
5300	97.81	100.28			36.38	7.46	46.31	110	140	Peak
5300	87.29	89.76			36.38	7.46	46.31	110	140	Average
5350	56.2	58.62	74	-17.8	36.41	7.47	46.3	110	140	Peak
5350	43.73	46.15	54	-10.27	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5300MHz: Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.26	59.24	74	-17.74	35.95	7.42	46.35	110	140	Peak
5150	43.16	46.14	54	-10.84	35.95	7.42	46.35	110	140	Average
5320	99.38	102.1			36.12	7.46	46.3	110	140	Peak
5320	82.89	85.61			36.12	7.46	46.3	110	140	Average
5350	56.65	59.33	74	-17.35	36.15	7.47	46.3	110	140	Peak
5350	43.75	46.43	54	-10.25	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.14	58.78	74	-17.86	36.29	7.42	46.35	110	140	Peak
5150	43.32	45.96	54	-10.68	36.29	7.42	46.35	110	140	Average
5320	98.04	100.49			36.39	7.46	46.3	110	140	Peak
5320	87.74	90.19			36.39	7.46	46.3	110	140	Average
5350	56.17	58.59	74	-17.83	36.41	7.47	46.3	110	140	Peak
5350	43.75	46.17	54	-10.25	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5320MHz: Fundamental frequency.

802.11n (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.41	59.39	74	-17.59	35.95	7.42	46.35	110	140	Peak
5150	43.3	46.28	54	-10.7	35.95	7.42	46.35	110	140	Average
5270	95.35	98.15			36.07	7.45	46.32	110	140	Peak
5270	87.8	90.6			36.07	7.45	46.32	110	140	Average
5350	55.78	58.46	74	-18.22	36.15	7.47	46.3	110	140	Peak
5350	43.59	46.27	54	-10.41	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.41	59.05	74	-17.59	36.29	7.42	46.35	110	140	Peak
5150	43.64	46.28	54	-10.36	36.29	7.42	46.35	110	140	Average
5270	94.16	96.67			36.36	7.45	46.32	110	140	Peak
5270	86.13	88.64			36.36	7.45	46.32	110	140	Average
5350	57.08	59.5	74	-16.92	36.41	7.47	46.3	110	140	Peak
5350	43.83	46.25	54	-10.17	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5270MHz: Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.02	59	74	-17.98	35.95	7.42	46.35	110	140	Peak
5150	43.11	46.09	54	-10.89	35.95	7.42	46.35	110	140	Average
5310	95.51	98.25			36.11	7.46	46.31	110	140	Peak
5310	87.18	89.92			36.11	7.46	46.31	110	140	Average
5350	57.93	60.61	74	-16.07	36.15	7.47	46.3	110	140	Peak
5350	44.85	47.53	54	-9.15	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.13	58.77	74	-17.87	36.29	7.42	46.35	110	140	Peak
5150	43.51	46.15	54	-10.49	36.29	7.42	46.35	110	140	Average
5310	96	98.46			36.39	7.46	46.31	110	140	Peak
5310	86.09	88.55			36.39	7.46	46.31	110	140	Average
5350	55.3	57.72	74	-18.7	36.41	7.47	46.3	110	140	Peak
5350	44.37	46.79	54	-9.63	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5310MHz: Fundamental frequency.

802.11ac (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.04	59.02	74	-17.96	35.95	7.42	46.35	110	140	Peak
5150	43.08	46.06	54	-10.92	35.95	7.42	46.35	110	140	Average
5290	90.5	93.27			36.09	7.45	46.31	110	140	Peak
5290	82.26	85.03			36.09	7.45	46.31	110	140	Average
5350	57.34	60.02	74	-16.66	36.15	7.47	46.3	110	140	Peak
5350	43.87	46.55	54	-10.13	36.15	7.47	46.3	110	140	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.34	58.98	74	-17.66	36.29	7.42	46.35	110	140	Peak
5150	43.52	46.16	54	-10.48	36.29	7.42	46.35	110	140	Average
5290	89.86	92.35			36.37	7.45	46.31	110	140	Peak
5290	81.13	83.62			36.37	7.45	46.31	110	140	Average
5350	56.26	58.68	74	-17.74	36.41	7.47	46.3	110	140	Peak
5350	43.83	46.25	54	-10.17	36.41	7.47	46.3	110	140	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5290MHz: Fundamental frequency.