

FCC TEST REPORT

(Part 15, Subpart E)

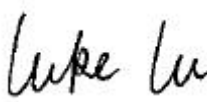
Applicant:	HMD Global Oy
Address:	Bertel Jungin aukio 9, 02600 Espoo, Finland

Manufacturer or Supplier:	HMD Global Oy
Address:	Bertel Jungin aukio 9, 02600 Espoo, Finland
Product:	Multi-band GSM/WCDMA/LTE phone with Bluetooth&WLAN
Brand Name:	NOKIA
Model Name:	TA-1412
FCC ID:	2AJOTTA-1412
Date of tests:	Nov. 25, 2021 ~ Dec. 12, 2021

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 Simon Wang Engineer / Mobile Department	Approved by Luke Lu Manager / Mobile Department
 Date: Dec. 25, 2021	 Date: Dec. 25, 2021

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
W7L-P21100018-1RF03	Original release	Dec. 13, 2021
W7L-P21100018-2RF03	The model name is revised based on the W7L-P21100018-1RF03 report. The two models are only the difference between single SIM and double SIM, and the data reflects the original report data.	Dec. 25, 2021



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	Multi-band GSM/WCDMA/LTE phone with Bluetooth&WLAN
BRAND NAME	NOKIA
MODEL NAME	TA-1412
NOMINAL VOLTAGE	5.0/9.0/12.0Vdc(adapter or host equipment) 3.85Vdc (Li-ion, battery)
MODULATION	OFDM
TRANSFER RATE	802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to MCS7 802.11ac: up to 390.0Mbps
OPERATING FREQUENCY	5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~ 5700MHz, 5745 ~ 5825MHz
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 ~ 5825MHz: 4 for 802.11a, 802.11n, 802.11ac (20MHz) 2 for 802.11n, 802.11ac (40MHz) 1 for 802.11ac (80MHz)
AVERAGE POWER	80.91mW for 5180 ~ 5240MHz 85.90mW for 5260 ~ 5320MHz 84.14mW for 5500 ~ 5700MHz 84.92mW for 5745 ~ 5825MHz
ANTENNA TYPE	Fixed Internal Antenna
ANTENNA GAIN	-0.6 dBi for 5180 ~ 5240MHz -0.6 dBi for 5260 ~ 5320MHz -0.6 dBi for 5500 ~ 5720MHz -0.6 dBi for 5745 ~ 5825MHz
HW VERSION	19655-1-11M12
SW VERSION	00WW_0_010
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	USB1 cable: unshielded without ferrite, 1.0meter USB2 cable: unshielded without ferrite, 1.0meter USB3 cable: unshielded without ferrite, 1.0meter



	Earphone1: non-shielded cable, with w/o ferrite core, 1.2 meter
	Earphone2: non-shielded cable, with w/o ferrite core, 1.2 meter

NOTE:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- The EUT incorporates a SISO function. Physically, the EUT provides one completed transmitter and one receiver.

MODULATION MODE	TX FUNCTION
802.11a	1TX/1RX
802.11n/802.11ac (20MHz)	1TX/1RX
802.11n/802.11ac (40MHz)	1TX/1RX
802.11ac (80MHz)	1TX/1RX

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

List of Accessory:

ACCESSORIES	BRAND	MANUFACTURER	MODEL	SPECIFICATION
Battery	Nokia	Hunan Gaoyuan Battery Co., Ltd.	WT341	Capacity : 3.85 Vdc, 4900mAh
AC Adapter 1	Nokia	ShenZhenBaiJunDa ElectronicCO.,LTD.	AD-010U	I/P: 100-240Vac, 0.35A, O/P: 5.0Vdc, 2.0A
AC Adapter 2	Nokia	SHENZHEN TIANYIN ELECTRONICS CO., LTD.	CH-21U	I/P: 100-240Vac, 0.3A, O/P: 5.0Vdc, 2.0A
AC Adapter 3	Nokia	YuTong Electronics(HuiZhou) Co.,Ltd	PA-US5V2A-036	I/P: 100-240Vac, 0.5A, O/P: 5.0Vdc, 2.0A
AC Adapter 4	Nokia	Dongguan Aohai Technology Co., Ltd.	A829US	I/P: 100 - 240Vac, 0.5A, O/P:5.0 Vdc,3A/9.0 Vdc, 2.23A/12.0 Vdc,1.67A
Earphone 1	Nokia	NEW LEADER INDUSTRY CO.,LTD	HS-34	Signal Line, 1.2meter
Earphone 2	Nokia	Guangdong Wivtak Technology Co., Ltd.	HS-34	Signal Line, 1.2meter

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USB Cable 1	Nokia	HUIZHOU WASHIN ELECTRONICS CO.,LTD	CB-36A	Signal Line, 1.0meter
USB Cable 2	Nokia	Shenzhen BRL Technology Co.,Ltd.	CB-36A	Signal Line, 1.0meter
USB Cable 3	Nokia	Saibao(Jiangi) Communication Industrial Co.,Ltd	CB-12A	Signal Line, 1.0meter

NOTE: 5G WIFI test in the engineer mode,power setting at “ MAXIMUM CONDUCTED OUTPUT POWER”, the steps for entering engineering mode are as follows:

1. In the finger plate, dial the code for entering Engineer mode: *##83781##*
2. EngineerMode->CONNECTIVITY->Wifi->Tx

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

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

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

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
159	5795 MHz	159	5795 MHz
151	5755 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 $\geq$ 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 $\geq$ 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 (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	802.11n (20MHz)	5180-5240	36 to 48	48	OFDM	MCS0

**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 (20MHz)		36 to 48	36, 40, 48	OFDM	MCS0
A	802.11ac (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 (20MHz)		52 to 64	52, 60, 64	OFDM	MCS0
A	802.11ac (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 (20MHz)		100 to 140	100, 116, 140	OFDM	MCS0
A	802.11ac (40MHz)		102 to 134	102, 110, 134	OFDM	MCS0
A	802.11ac (80MHz)		106	106	OFDM	MCS0
A	802.11a	5745-5850	149 to 165	100, 116, 140	OFDM	6.0
A	802.11n (20MHz)		149 to 165	100, 116, 140	OFDM	MCS0
A	802.11ac (40MHz)		151 to 159	102, 110, 134	OFDM	MCS0
A	802.11ac (20MHz)		149 to 165	100, 116, 140	OFDM	MCS0
A	802.11n (40MHz)		151 to 159	102, 110, 134	OFDM	MCS0
A	802.11ac (80MHz)		155	106	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	802.11n (40MHz)	5180-5240	36 to 48	48	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	36 to 48	6.0
A	802.11n (20MHz)		36 to 48	36, 48	36 to 48	MCS0
A	802.11n (40MHz)		38 to 46	38, 46	38 to 46	MCS0
A	802.11ac (20MHz)		36 to 48	36, 48	36 to 48	MCS0
A	802.11ac (40MHz)		38 to 46	38, 46	38 to 46	MCS0
A	802.11ac (80MHz)		42	42	42	MCS0
A	802.11a	5260-5320	52 to 64	52, 64	52 to 64	6.0
A	802.11n (20MHz)		52 to 64	52, 64	52 to 64	MCS0
A	802.11n (40MHz)		54 to 62	54, 62	54 to 62	MCS0
A	802.11ac (20MHz)		52 to 64	52, 64	52 to 64	MCS0
A	802.11ac (40MHz)		54 to 62	54, 62	54 to 62	MCS0
A	802.11ac (80MHz)		58	58	58	MCS0
A	802.11a	5500-5700	100 to 140	100, 116, 140	100 to 140	6.0
A	802.11n (20MHz)		100 to 140	100, 116, 140	100 to 140	MCS0
A	802.11n (40MHz)		102 to 134	102, 110, 134	102 to 134	MCS0
A	802.11ac (20MHz)		100 to 140	100, 116, 140	100 to 140	MCS0
A	802.11ac (40MHz)		102 to 134	102, 110, 134	102 to 134	MCS0
A	802.11ac (80MHz)		106	106	106	MCS0



EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
A	802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	6.0
A	802.11n (20MHz)		149 to 165	149, 157, 165	OFDM	MCS0
A	802.11n (40MHz)		151 to 159	151, 159	OFDM	MCS0
A	802.11ac (20MHz)		149 to 165	149, 157, 165	OFDM	MCS0
A	802.11ac (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	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 (20MHz)		36 to 48	36, 40, 48	OFDM	MCS0
A	802.11ac (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 (20MHz)		52 to 64	52, 60, 64	OFDM	MCS0
A	802.11ac (40MHz)		54 to 62	54, 62	OFDM	MCS0
A	802.11ac (80MHz)		58	58	OFDM	MCS0
A	802.11a	5500-5700	100 to 144	100, 116, 140, 144	OFDM	6.0



A	802.11n (20MHz)		100 to 144	100, 116, 140, 144	OFDM	MCS0
A	802.11n (40MHz)		102 to 142	102, 110, 134, 142	OFDM	MCS0
A	802.11ac (20MHz)		100 to 144	100, 116, 140, 144	OFDM	MCS0
A	802.11ac (40MHz)		102 to 142	102, 110, 134, 142	OFDM	MCS0
A	802.11ac (80MHz)		106 to 138	106, 138	OFDM	MCS0
A	802.11a	5745-5850	149 to 165	149, 157,165	OFDM	6.0
A	802.11n (20MHz)		149 to 165	149, 157,165	OFDM	MCS0
A	802.11n (40MHz)		151 to 159	151, 159	OFDM	MCS0
A	802.11ac (20MHz)		149 to 165	149, 157,165	OFDM	MCS0
A	802.11ac (40MHz)		151 to 159	151, 159	OFDM	MCS0
A	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 By Adapter	Star Le
RE≥1G	23deg. C, 70%RH	DC5V By Adapter	Star Le
PLC	25deg. C, 52%RH	DC5V By Adapter	Jimmy Liu
APCM	25deg. C, 60%RH	DC 3.85V By Battery	Lily Zhao

2.3 DUTY CYCLE OF TEST SIGNAL

Please Refer to Appendix B/C Of this test report.

WORST-CASE DATA:

Measured Duty Cycle		
Mode		Duty Cycle [%]
		ANT1
5GHZ	11a	90.32
	11n20	88.72
	11n40	79.73
	11ac20	88.81
	11ac40	80.00
	11ac80	66.67

Note:

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

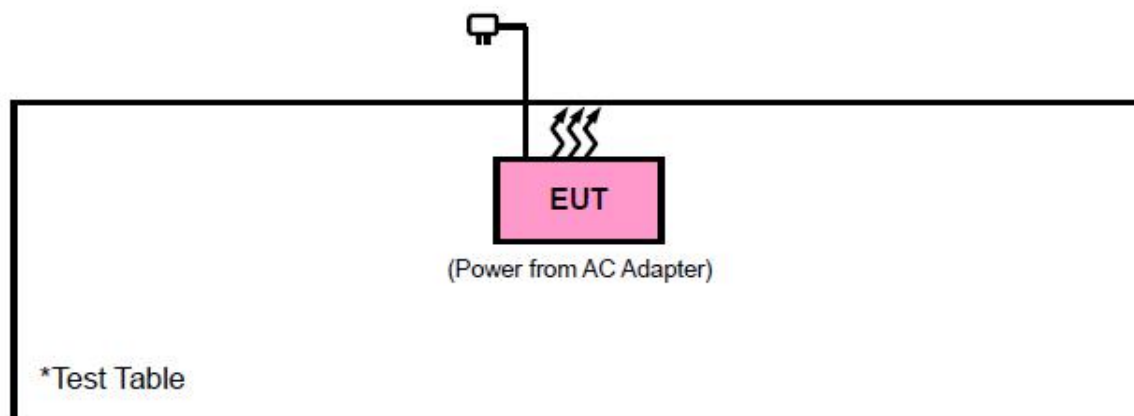
2.4 DESCRIPTION OF SUPPORT UNITS

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

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

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

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

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	May. 19,20	May. 18,23
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Mar. 05,21	Mar. 04,22
Horn Antenna	ETS-LINDGREN	3117	00168728	Apr. 02, 21	Apr. 01, 22
Horn Antenna (18GHz-40GHz)	N/A	QWH-SL-18-40-K-SG/QMS-00361	15433	Aug. 25, 21	Aug. 24, 22
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. 03,21	Jun. 02,22
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Apr. 27,21	Apr. 26,22
Signal Pre-Amplifier	EMSI	EMC 9135	980249	Jun. 02,21	Jun. 01,22
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	Jun. 02,21	Jun. 01,22
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Apr. 30,21	Apr. 29,22
DC Source	Kikusui/JP	PMX18-5A	0000001	Aug. 25,21	Aug. 24,22
Power Meter	Anritsu	ML2495A	1506002	Feb. 25,21	Feb. 24,22
Power Sensor	Anritsu	MA2411B	1339352	Feb. 25,21	Feb. 24,22
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-051	Feb 14,20	Feb. 13,23

NOTE: 1. The calibration interval of the above test instruments is 12 months or 36 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:

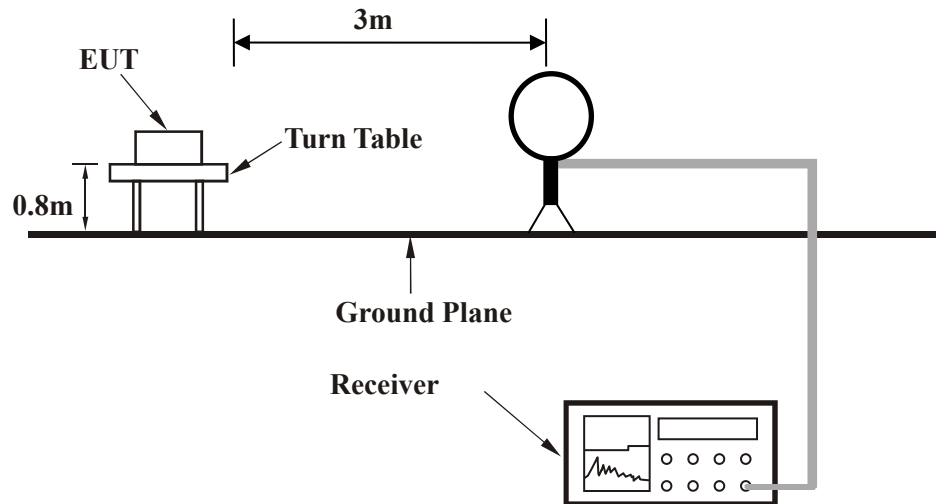
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency 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 ($10 \log(1/\text{duty cycle})$).
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (Duty cycle $\geq 98\%$) 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

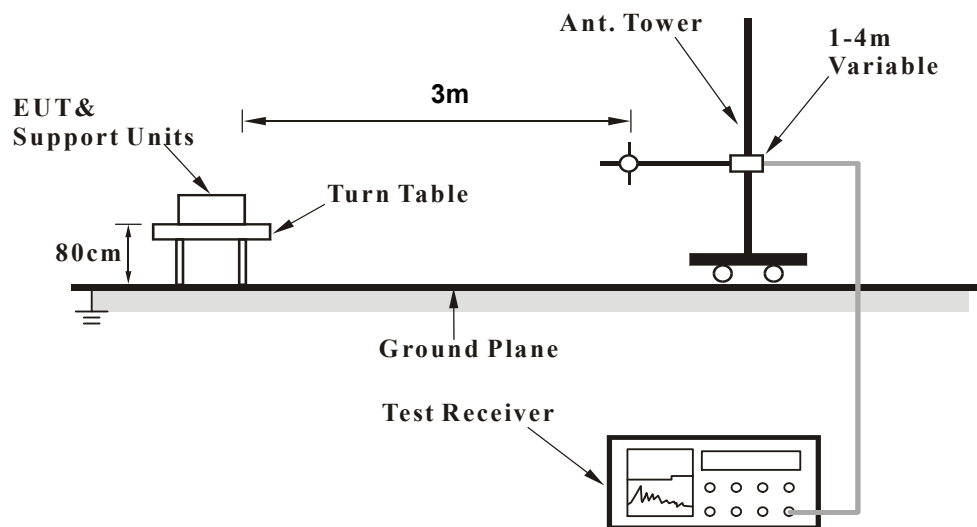
No deviation.

3.1.6 TEST SETUP

<Frequency Range 9KHz~30MHz >

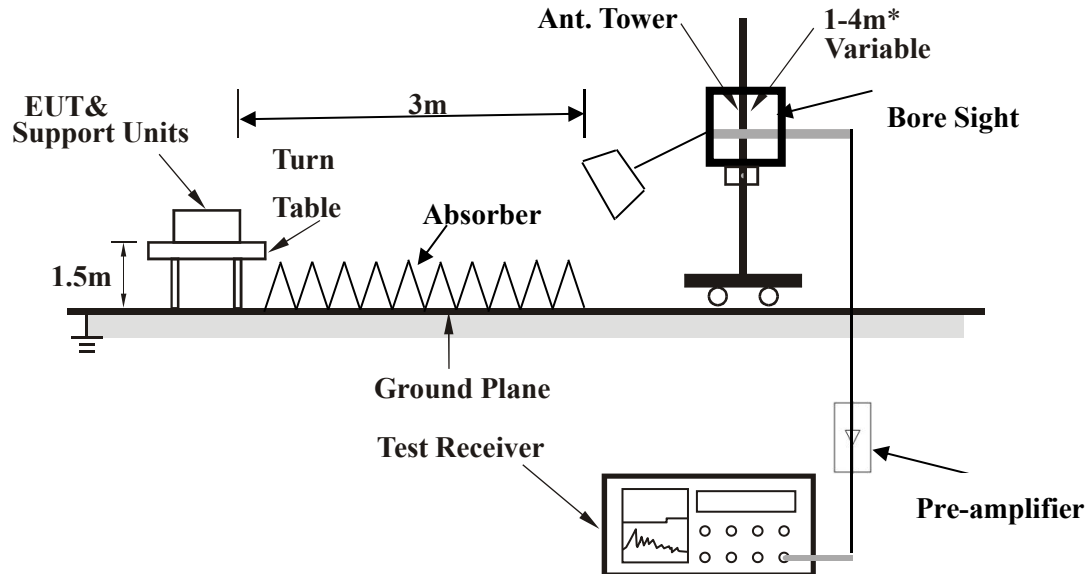


< Frequency Range 30MHz~1GHz >





<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

- Set the EUT under full load condition and placed them on a testing table.
- Set the transmitter part of EUT under transmission condition continuously at specific channel frequency.
- The necessary accessories enable the EUT in full functions.



3.1.8 TEST RESULTS

BELOW 1GHz WORST-CASE DATA:

Note: For frequency below 30MHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

30 MHz – 1GHz data:

Band 3

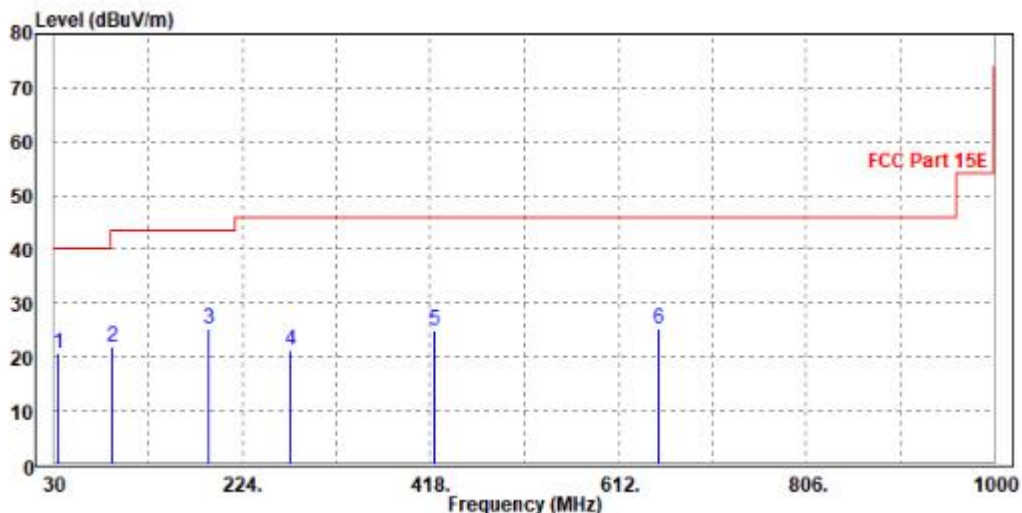
802.11n (40MHz)

CHANNEL	TX Channel 102	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
33.88	20.76	38.82	40	-19.24	19.14	0.33	37.53	300	360	Peak
90.14	21.89	50.82	43.5	-21.61	7.81	0.51	37.25	300	360	Peak
189.08	25.24	50.56	43.5	-18.26	10.56	0.72	36.6	300	360	Peak
273.47	21.41	43.66	46	-24.59	13.58	0.87	36.7	300	360	Peak
422.85	25.06	43.51	46	-20.94	17.31	1.11	36.87	300	360	Peak
653.71	25.37	39.64	46	-20.63	21.77	1.42	37.46	300	360	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.

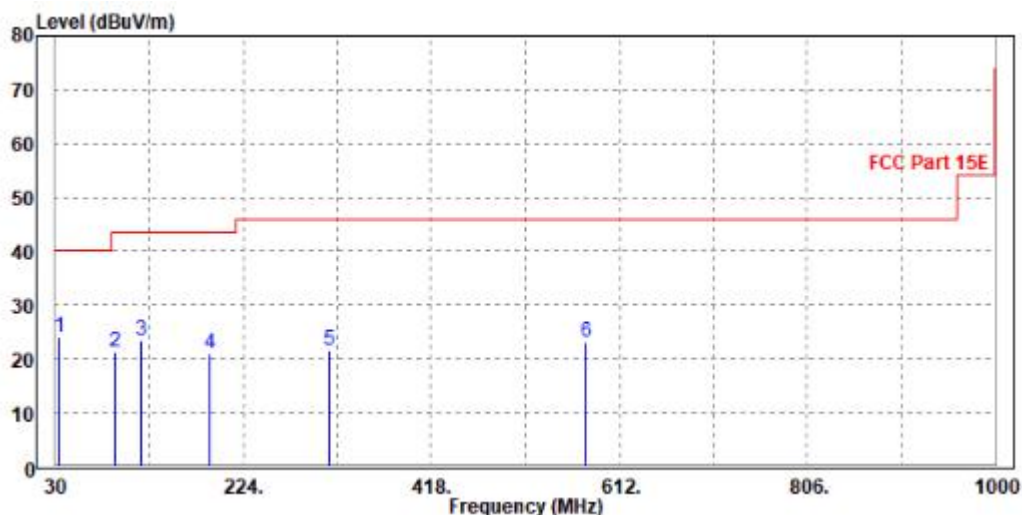


CHANNEL	Channel 102	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		

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
33.88	24.02	42.73	40	-15.98	18.49	0.33	37.53	200	0	Peak
92.08	21.19	49.42	43.5	-22.31	8.48	0.52	37.23	200	0	Peak
118.27	23.52	51.9	43.5	-19.98	8.13	0.58	37.09	200	0	Peak
189.08	21.11	46.15	43.5	-22.39	10.84	0.72	36.6	200	0	Peak
313.24	21.48	42.02	46	-24.52	15.29	0.93	36.76	200	0	Peak
577.08	23.13	38.6	46	-22.87	20.49	1.33	37.29	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.**Band 1****802.11a**

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	54.06	56.37	74	-19.94	34.52	9.52	46.35	100	360	Peak
5150	48.67	50.98	54	-5.33	34.52	9.52	46.35	100	360	Average
5180	99.59	101.82	/	/	34.54	9.58	46.35	100	360	Peak
5180	92.21	94.44	/	/	34.54	9.58	46.35	100	360	Average
5350	53.99	55.67	74	-20.01	34.68	9.94	46.3	100	360	Peak
5350	47.12	48.8	54	-6.88	34.68	9.94	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	55	57.23	74	-19	34.6	9.52	46.35	100	180	Peak
5150	49.18	51.41	54	-4.82	34.6	9.52	46.35	100	180	Average
5180	100.75	102.92	/	/	34.6	9.58	46.35	100	180	Peak
5180	93.15	95.32	/	/	34.6	9.58	46.35	100	180	Average
5350	53.26	55.02	74	-20.74	34.6	9.94	46.3	100	180	Peak
5350	46.98	48.74	54	-7.02	34.6	9.94	46.3	100	180	Average

REMARKS:

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



CHANNEL	TX Channel 40	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	54.32	56.63	74	-19.68	34.52	9.52	46.35	100	0	Peak
5150	47.05	49.36	54	-6.95	34.52	9.52	46.35	100	0	Average
5200	100	102.16	/	/	34.56	9.62	46.34	100	0	Peak
5200	92.57	94.73	/	/	34.56	9.62	46.34	100	0	Average
5350	53.05	54.73	74	-20.95	34.68	9.94	46.3	100	0	Peak
5350	46.96	48.64	54	-7.04	34.68	9.94	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	54.51	56.74	74	-19.49	34.6	9.52	46.35	100	185	Peak
5150	47.16	49.39	54	-6.84	34.6	9.52	46.35	100	185	Average
5200	100.32	102.44	/	/	34.6	9.62	46.34	100	185	Peak
5200	92.93	95.05	/	/	34.6	9.62	46.34	100	185	Average
5350	53.08	54.84	74	-20.92	34.6	9.94	46.3	100	185	Peak
5350	46.37	48.13	54	-7.63	34.6	9.94	46.3	100	185	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)
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	52.55	54.86	74	-21.45	34.52	9.52	46.35	100	355	Peak
5150	47.5	49.81	54	-6.5	34.52	9.52	46.35	100	355	Average
5240	99.46	101.49	/	/	34.59	9.71	46.33	100	355	Peak
5240	92.69	94.72	/	/	34.59	9.71	46.33	100	355	Average
5350	54.34	56.02	74	-19.66	34.68	9.94	46.3	100	355	Peak
5350	46.47	48.15	54	-7.53	34.68	9.94	46.3	100	355	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	53.85	56.08	74	-20.15	34.6	9.52	46.35	100	185	Peak
5150	46.74	48.97	54	-7.26	34.6	9.52	46.35	100	185	Average
5240	100.53	102.55	/	/	34.6	9.71	46.33	100	185	Peak
5240	93.1	95.12	/	/	34.6	9.71	46.33	100	185	Average
5350	53.07	54.83	74	-20.93	34.6	9.94	46.3	100	185	Peak
5350	47.06	48.82	54	-6.94	34.6	9.94	46.3	100	185	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 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	57.72	60.03	74	-16.28	34.52	9.52	46.35	100	355	Peak
5150	49.23	51.54	54	-4.77	34.52	9.52	46.35	100	355	Average
5180	100.95	103.18	/	/	34.54	9.58	46.35	100	355	Peak
5180	92.75	94.98	/	/	34.54	9.58	46.35	100	355	Average
5350	53.78	55.46	74	-20.22	34.68	9.94	46.3	100	355	Peak
5350	46.81	48.49	54	-7.19	34.68	9.94	46.3	100	355	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	58.36	60.59	74	-15.64	34.6	9.52	46.35	100	188	Peak
5150	49.45	51.68	54	-4.55	34.6	9.52	46.35	100	188	Average
5180	101.18	103.35	/	/	34.6	9.58	46.35	100	188	Peak
5180	92.64	94.81	/	/	34.6	9.58	46.35	100	188	Average
5350	53.67	55.43	74	-20.33	34.6	9.94	46.3	100	188	Peak
5350	47.01	48.77	54	-6.99	34.6	9.94	46.3	100	188	Average

REMARKS:

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



CHANNEL	TX Channel 40	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	55.54	57.85	74	-18.46	34.52	9.52	46.35	100	355	Peak
5150	46.78	49.09	54	-7.22	34.52	9.52	46.35	100	355	Average
5200	100.71	102.87	/	/	34.56	9.62	46.34	100	355	Peak
5200	92.78	94.94	/	/	34.56	9.62	46.34	100	355	Average
5350	52.87	54.55	74	-21.13	34.68	9.94	46.3	100	355	Peak
5350	47.42	49.1	54	-6.58	34.68	9.94	46.3	100	355	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	53.86	56.09	74	-20.14	34.6	9.52	46.35	100	188	Peak
5150	47.09	49.32	54	-6.91	34.6	9.52	46.35	100	188	Average
5200	101.7	103.82	/	/	34.6	9.62	46.34	100	188	Peak
5200	93.13	95.25	/	/	34.6	9.62	46.34	100	188	Average
5350	53.09	54.85	74	-20.91	34.6	9.94	46.3	100	188	Peak
5350	46.64	48.4	54	-7.36	34.6	9.94	46.3	100	188	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)
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	57.31	74	-19	34.52	9.52	46.35	100	355	Peak
5150	46.74	49.05	54	-7.26	34.52	9.52	46.35	100	355	Average
5240	100.78	102.81	/	/	34.59	9.71	46.33	100	355	Peak
5240	92.78	94.81	/	/	34.59	9.71	46.33	100	355	Average
5350	53.84	55.52	74	-20.16	34.68	9.94	46.3	100	355	Peak
5350	46.73	48.41	54	-7.27	34.68	9.94	46.3	100	355	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	55.77	58	74	-18.23	34.6	9.52	46.35	100	188	Peak
5150	47.1	49.33	54	-6.9	34.6	9.52	46.35	100	188	Average
5240	101.09	103.11	/	/	34.6	9.71	46.33	100	188	Peak
5240	92.49	94.51	/	/	34.6	9.71	46.33	100	188	Average
5350	52.91	54.67	74	-21.09	34.6	9.94	46.3	100	188	Peak
5350	46.49	48.25	54	-7.51	34.6	9.94	46.3	100	188	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 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	61.94	64.25	74	-12.06	34.52	9.52	46.35	105	0	Peak
5150	53.22	55.53	54	-0.78	34.52	9.52	46.35	105	0	Average
5190	99.98	102.17	/	/	34.55	9.6	46.34	105	0	Peak
5190	89.73	91.92	/	/	34.55	9.6	46.34	105	0	Average
5350	53.51	55.19	74	-20.49	34.68	9.94	46.3	105	0	Peak
5350	47.83	49.51	54	-6.17	34.68	9.94	46.3	105	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	59.01	61.32	74	-14.99	34.52	9.52	46.35	100	250	Peak
5150	53.13	55.44	54	-0.87	34.52	9.52	46.35	100	250	Average
5190	95.8	97.99	/	/	34.55	9.6	46.34	100	250	Peak
5190	88.38	90.57	/	/	34.55	9.6	46.34	100	250	Average
5350	53.76	55.44	74	-20.24	34.68	9.94	46.3	100	250	Peak
5350	47.95	49.63	54	-6.05	34.68	9.94	46.3	100	250	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)
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	53.42	55.73	74	-20.58	34.52	9.52	46.35	100	355	Peak
5150	47.21	49.52	54	-6.79	34.52	9.52	46.35	100	355	Average
5230	97.84	99.9	/	/	34.58	9.69	46.33	100	355	Peak
5230	91.58	93.64	/	/	34.58	9.69	46.33	100	355	Average
5350	51.35	53.03	74	-22.65	34.68	9.94	46.3	100	355	Peak
5350	47.27	48.95	54	-6.73	34.68	9.94	46.3	100	355	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	53.46	55.69	74	-20.54	34.6	9.52	46.35	100	188	Peak
5150	47.28	49.51	54	-6.72	34.6	9.52	46.35	100	188	Average
5230	96.91	98.95	/	/	34.6	9.69	46.33	100	188	Peak
5230	91.54	93.58	/	/	34.6	9.69	46.33	100	188	Average
5350	51.52	53.28	74	-22.48	34.6	9.94	46.3	100	188	Peak
5350	47.47	49.23	54	-6.53	34.6	9.94	46.3	100	188	Average

REMARKS:

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



802.11ac (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	57.35	59.66	74	-16.65	34.52	9.52	46.35	100	355	Peak
5150	49.88	52.19	54	-4.12	34.52	9.52	46.35	100	355	Average
5180	102.15	104.38	/	/	34.54	9.58	46.35	100	355	Peak
5180	94.1	96.33	/	/	34.54	9.58	46.35	100	355	Average
5350	53.01	54.69	74	-20.99	34.68	9.94	46.3	100	355	Peak
5350	46.82	48.5	54	-7.18	34.68	9.94	46.3	100	355	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	57.77	60	74	-16.23	34.6	9.52	46.35	100	188	Peak
5150	49.95	52.18	54	-4.05	34.6	9.52	46.35	100	188	Average
5180	101.85	104.02	/	/	34.6	9.58	46.35	100	188	Peak
5180	93.16	95.33	/	/	34.6	9.58	46.35	100	188	Average
5350	53.67	55.43	74	-20.33	34.6	9.94	46.3	100	188	Peak
5350	46.98	48.74	54	-7.02	34.6	9.94	46.3	100	188	Average

REMARKS:

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



CHANNEL	TX Channel 40	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	54.35	56.66	74	-19.65	34.52	9.52	46.35	100	355	Peak
5150	47.48	49.79	54	-6.52	34.52	9.52	46.35	100	355	Average
5200	101.92	104.08	/	/	34.56	9.62	46.34	100	355	Peak
5200	93.63	95.79	/	/	34.56	9.62	46.34	100	355	Average
5350	52.86	54.54	74	-21.14	34.68	9.94	46.3	100	355	Peak
5350	46.66	48.34	54	-7.34	34.68	9.94	46.3	100	355	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	53.98	56.21	74	-20.02	34.6	9.52	46.35	100	188	Peak
5150	47.31	49.54	54	-6.69	34.6	9.52	46.35	100	188	Average
5200	101.66	103.78	/	/	34.6	9.62	46.34	100	188	Peak
5200	93.45	95.57	/	/	34.6	9.62	46.34	100	188	Average
5350	53.01	54.77	74	-20.99	34.6	9.94	46.3	100	188	Peak
5350	46.48	48.24	54	-7.52	34.6	9.94	46.3	100	188	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)
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	53.95	56.26	74	-20.05	34.52	9.52	46.35	100	355	Peak
5150	46.87	49.18	54	-7.13	34.52	9.52	46.35	100	355	Average
5240	101.54	103.57	/	/	34.59	9.71	46.33	100	355	Peak
5240	93.29	95.32	/	/	34.59	9.71	46.33	100	355	Average
5350	54.66	56.34	74	-19.34	34.68	9.94	46.3	100	355	Peak
5350	46.69	48.37	54	-7.31	34.68	9.94	46.3	100	355	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	53.44	55.67	74	-20.56	34.6	9.52	46.35	100	175	Peak
5150	46.96	49.19	54	-7.04	34.6	9.52	46.35	100	175	Average
5240	102.13	104.15	/	/	34.6	9.71	46.33	100	175	Peak
5240	94.06	96.08	/	/	34.6	9.71	46.33	100	175	Average
5350	52.77	54.53	74	-21.23	34.6	9.94	46.3	100	175	Peak
5350	46.61	48.37	54	-7.39	34.6	9.94	46.3	100	175	Average

REMARKS:

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



802.11ac (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	58.87	61.18	74	-15.13	34.52	9.52	46.35	100	355	Peak
5150	52.01	54.32	54	-1.99	34.52	9.52	46.35	100	355	Average
5190	94.93	97.12	/	/	34.55	9.6	46.34	100	355	Peak
5190	88.31	90.5	/	/	34.55	9.6	46.34	100	355	Average
5350	52.19	53.87	74	-21.81	34.68	9.94	46.3	100	355	Peak
5350	46.72	48.4	54	-7.28	34.68	9.94	46.3	100	355	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	57.79	60.02	74	-16.21	34.6	9.52	46.35	100	188	Peak
5150	52.31	54.54	54	-1.69	34.6	9.52	46.35	100	188	Average
5190	95.78	97.92	/	/	34.6	9.6	46.34	100	188	Peak
5190	88.98	91.12	/	/	34.6	9.6	46.34	100	188	Average
5350	53.86	55.62	74	-20.14	34.6	9.94	46.3	100	188	Peak
5350	46.5	48.26	54	-7.5	34.6	9.94	46.3	100	188	Average

REMARKS:

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



CHANNEL	TX Channel 46	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	53.25	55.56	74	-20.75	34.52	9.52	46.35	100	355	Peak
5150	46.68	48.99	54	-7.32	34.52	9.52	46.35	100	355	Average
5230	94.09	96.15	/	/	34.58	9.69	46.33	100	355	Peak
5230	87.92	89.98	/	/	34.58	9.69	46.33	100	355	Average
5350	52.79	54.47	74	-21.21	34.68	9.94	46.3	100	355	Peak
5350	47.4	49.08	54	-6.6	34.68	9.94	46.3	100	355	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	52.78	55.01	74	-21.22	34.6	9.52	46.35	100	188	Peak
5150	47.07	49.3	54	-6.93	34.6	9.52	46.35	100	188	Average
5230	95.1	97.14	/	/	34.6	9.69	46.33	100	188	Peak
5230	88.55	90.59	/	/	34.6	9.69	46.33	100	188	Average
5350	52.34	54.1	74	-21.66	34.6	9.94	46.3	100	188	Peak
5350	46.61	48.37	54	-7.39	34.6	9.94	46.3	100	188	Average

REMARKS:

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



802.11ac (80MHz)

CHANNEL	TX Channel 42	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	56.48	58.79	74	-17.52	34.52	9.52	46.35	100	355	Peak
5150	51.84	54.15	54	-2.16	34.52	9.52	46.35	100	355	Average
5210	91.55	93.68	/	/	34.57	9.64	46.34	100	355	Peak
5210	85.21	87.34	/	/	34.57	9.64	46.34	100	355	Average
5350	52.66	54.34	74	-21.34	34.68	9.94	46.3	100	355	Peak
5350	46.97	48.65	54	-7.03	34.68	9.94	46.3	100	355	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	56.9	59.13	74	-17.1	34.6	9.52	46.35	100	188	Peak
5150	51.85	54.08	54	-2.15	34.6	9.52	46.35	100	188	Average
5210	91.44	93.54	/	/	34.6	9.64	46.34	100	188	Peak
5210	85.02	87.12	/	/	34.6	9.64	46.34	100	188	Average
5350	52.12	53.88	74	-21.88	34.6	9.94	46.3	100	188	Peak
5350	47.21	48.97	54	-6.79	34.6	9.94	46.3	100	188	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 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	53.36	55.67	74	-20.64	34.52	9.52	46.35	100	355	Peak
5150	46.76	49.07	54	-7.24	34.52	9.52	46.35	100	355	Average
5260	100.19	102.15	/	/	34.61	9.75	46.32	100	355	Peak
5260	93.26	95.22	/	/	34.61	9.75	46.32	100	355	Average
5350	53.33	55.01	74	-20.67	34.68	9.94	46.3	100	355	Peak
5350	46.6	48.28	54	-7.4	34.68	9.94	46.3	100	355	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	53.24	55.47	74	-20.76	34.6	9.52	46.35	100	188	Peak
5150	47.33	49.56	54	-6.67	34.6	9.52	46.35	100	188	Average
5260	101.48	103.45	/	/	34.6	9.75	46.32	100	188	Peak
5260	94.55	96.52	/	/	34.6	9.75	46.32	100	188	Average
5350	53.42	55.18	74	-20.58	34.6	9.94	46.3	100	188	Peak
5350	47.22	48.98	54	-6.78	34.6	9.94	46.3	100	188	Average

REMARKS:

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



CHANNEL	TX Channel 60	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	52.83	55.14	74	-21.17	34.52	9.52	46.35	100	355	Peak
5150	47.91	50.22	54	-6.09	34.52	9.52	46.35	100	355	Average
5300	99.76	101.6	/	/	34.64	9.83	46.31	100	355	Peak
5300	92.37	94.21	/	/	34.64	9.83	46.31	100	355	Average
5350	53.98	55.66	74	-20.02	34.68	9.94	46.3	100	355	Peak
5350	47.01	48.69	54	-6.99	34.68	9.94	46.3	100	355	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	55.57	57.8	74	-18.43	34.6	9.52	46.35	100	188	Peak
5150	46.98	49.21	54	-7.02	34.6	9.52	46.35	100	188	Average
5300	102.04	103.92	/	/	34.6	9.83	46.31	100	188	Peak
5300	94.34	96.22	/	/	34.6	9.83	46.31	100	188	Average
5350	54.53	56.29	74	-19.47	34.6	9.94	46.3	100	188	Peak
5350	47.16	48.92	54	-6.84	34.6	9.94	46.3	100	188	Average

REMARKS:

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



CHANNEL	TX Channel 64	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	54.4	56.71	74	-19.6	34.52	9.52	46.35	100	345	Peak
5150	46.9	49.21	54	-7.1	34.52	9.52	46.35	100	345	Average
5320	99.32	101.08	/	/	34.66	9.88	46.3	100	345	Peak
5320	92.55	94.31	/	/	34.66	9.88	46.3	100	345	Average
5350	55.08	56.76	74	-18.92	34.68	9.94	46.3	100	345	Peak
5350	48.28	49.96	54	-5.72	34.68	9.94	46.3	100	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
5150	53.58	55.81	74	-20.42	34.6	9.52	46.35	100	188	Peak
5150	46.69	48.92	54	-7.31	34.6	9.52	46.35	100	188	Average
5320	101.03	102.85	/	/	34.6	9.88	46.3	100	188	Peak
5320	94.42	96.24	/	/	34.6	9.88	46.3	100	188	Average
5350	56.26	58.02	74	-17.74	34.6	9.94	46.3	100	188	Peak
5350	50.21	51.97	54	-3.79	34.6	9.94	46.3	100	188	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 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	54.33	56.64	74	-19.67	34.52	9.52	46.35	100	360	Peak
5150	46.94	49.25	54	-7.06	34.52	9.52	46.35	100	360	Average
5260	100.53	102.49	/	/	34.61	9.75	46.32	100	360	Peak
5260	92.37	94.33	/	/	34.61	9.75	46.32	100	360	Average
5350	54.09	55.77	74	-19.91	34.68	9.94	46.3	100	360	Peak
5350	47.26	48.94	54	-6.74	34.68	9.94	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	54.61	56.84	74	-19.39	34.6	9.52	46.35	100	188	Peak
5150	47.85	50.08	54	-6.15	34.6	9.52	46.35	100	188	Average
5260	100.67	102.64	/	/	34.6	9.75	46.32	100	188	Peak
5260	93.13	95.1	/	/	34.6	9.75	46.32	100	188	Average
5350	54.48	56.24	74	-19.52	34.6	9.94	46.3	100	188	Peak
5350	46.89	48.65	54	-7.11	34.6	9.94	46.3	100	188	Average

REMARKS:

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



CHANNEL	TX Channel 60	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	54.09	56.4	74	-19.91	34.52	9.52	46.35	100	12	Peak
5150	46.76	49.07	54	-7.24	34.52	9.52	46.35	100	12	Average
5300	100.83	102.67	/	/	34.64	9.83	46.31	100	12	Peak
5300	92.75	94.59	/	/	34.64	9.83	46.31	100	12	Average
5350	53.88	55.56	74	-20.12	34.68	9.94	46.3	100	12	Peak
5350	46.74	48.42	54	-7.26	34.68	9.94	46.3	100	12	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	56.08	58.31	74	-17.92	34.6	9.52	46.35	100	188	Peak
5150	47.61	49.84	54	-6.39	34.6	9.52	46.35	100	188	Average
5300	102.2	104.08	/	/	34.6	9.83	46.31	100	188	Peak
5300	94.13	96.01	/	/	34.6	9.83	46.31	100	188	Average
5350	54.81	56.57	74	-19.19	34.6	9.94	46.3	100	188	Peak
5350	47.6	49.36	54	-6.4	34.6	9.94	46.3	100	188	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)
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	53.36	55.67	74	-20.64	34.52	9.52	46.35	200	340	Peak
5150	46.69	49	54	-7.31	34.52	9.52	46.35	200	340	Average
5320	101.08	102.84	/	/	34.66	9.88	46.3	200	340	Peak
5320	92.77	94.53	/	/	34.66	9.88	46.3	200	340	Average
5350	55.37	57.05	74	-18.63	34.68	9.94	46.3	200	340	Peak
5350	48.89	50.57	54	-5.11	34.68	9.94	46.3	200	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
5150	55.07	57.3	74	-18.93	34.6	9.52	46.35	100	188	Peak
5150	47.12	49.35	54	-6.88	34.6	9.52	46.35	100	188	Average
5320	101.62	103.44	/	/	34.6	9.88	46.3	100	188	Peak
5320	93.43	95.25	/	/	34.6	9.88	46.3	100	188	Average
5350	55.6	57.36	74	-18.4	34.6	9.94	46.3	100	188	Peak
5350	48.91	50.67	54	-5.09	34.6	9.94	46.3	100	188	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 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	53.47	55.78	74	-20.53	34.52	9.52	46.35	200	340	Peak
5150	47.1	49.41	54	-6.9	34.52	9.52	46.35	200	340	Average
5270	97.06	98.99	/	/	34.62	9.77	46.32	200	340	Peak
5270	89.93	91.86	/	/	34.62	9.77	46.32	200	340	Average
5350	52.35	54.03	74	-21.65	34.68	9.94	46.3	200	340	Peak
5350	47.26	48.94	54	-6.74	34.68	9.94	46.3	200	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
5150	53.76	55.99	74	-20.24	34.6	9.52	46.35	100	188	Peak
5150	46.81	49.04	54	-7.19	34.6	9.52	46.35	100	188	Average
5270	98.09	100.04	/	/	34.6	9.77	46.32	100	188	Peak
5270	91.67	93.62	/	/	34.6	9.77	46.32	100	188	Average
5350	53.47	55.23	74	-20.53	34.6	9.94	46.3	100	188	Peak
5350	47.07	48.83	54	-6.93	34.6	9.94	46.3	100	188	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)
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	56.81	59.12	74	-17.19	34.52	9.52	46.35	170	185	Peak
5150	48.99	51.3	54	-5.01	34.52	9.52	46.35	170	185	Average
5310	96.35	98.16	/	/	34.65	9.85	46.31	170	185	Peak
5310	89.89	91.7	/	/	34.65	9.85	46.31	170	185	Average
5350	59.18	60.86	74	-14.82	34.68	9.94	46.3	170	185	Peak
5350	52.54	54.22	54	-1.46	34.68	9.94	46.3	170	185	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	54.24	56.47	74	-19.76	34.6	9.52	46.35	100	185	Peak
5150	48.67	50.9	54	-5.33	34.6	9.52	46.35	100	185	Average
5310	97.8	99.66	/	/	34.6	9.85	46.31	100	185	Peak
5310	90.49	92.35	/	/	34.6	9.85	46.31	100	185	Average
5350	59.23	60.99	74	-14.77	34.6	9.94	46.3	100	185	Peak
5350	52.84	54.6	54	-1.16	34.6	9.94	46.3	100	185	Average

REMARKS:

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



802.11ac (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	53.55	55.86	74	-20.45	34.52	9.52	46.35	200	340	Peak
5150	47.33	49.64	54	-6.67	34.52	9.52	46.35	200	340	Average
5260	101.67	103.63	/	/	34.61	9.75	46.32	200	340	Peak
5260	93.89	95.85	/	/	34.61	9.75	46.32	200	340	Average
5350	53.01	54.69	74	-20.99	34.68	9.94	46.3	200	340	Peak
5350	46.61	48.29	54	-7.39	34.68	9.94	46.3	200	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
5150	53.93	56.16	74	-20.07	34.6	9.52	46.35	100	188	Peak
5150	47.09	49.32	54	-6.91	34.6	9.52	46.35	100	188	Average
5260	102.75	104.72	/	/	34.6	9.75	46.32	100	188	Peak
5260	94.38	96.35	/	/	34.6	9.75	46.32	100	188	Average
5350	54.42	56.18	74	-19.58	34.6	9.94	46.3	100	188	Peak
5350	46.24	48	54	-7.76	34.6	9.94	46.3	100	188	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)
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	53.75	56.06	74	-20.25	34.52	9.52	46.35	200	340	Peak
5150	47.28	49.59	54	-6.72	34.52	9.52	46.35	200	340	Average
5300	101.52	103.36	/	/	34.64	9.83	46.31	200	340	Peak
5300	93.16	95	/	/	34.64	9.83	46.31	200	340	Average
5350	52.76	54.44	74	-21.24	34.68	9.94	46.3	200	340	Peak
5350	47.13	48.81	54	-6.87	34.68	9.94	46.3	200	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
5150	54.28	56.51	74	-19.72	34.6	9.52	46.35	100	188	Peak
5150	47.13	49.36	54	-6.87	34.6	9.52	46.35	100	188	Average
5300	102.12	104	/	/	34.6	9.83	46.31	100	188	Peak
5300	93.79	95.67	/	/	34.6	9.83	46.31	100	188	Average
5350	53.22	54.98	74	-20.78	34.6	9.94	46.3	100	188	Peak
5350	46.98	48.74	54	-7.02	34.6	9.94	46.3	100	188	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)
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	54.41	56.72	74	-19.59	34.52	9.52	46.35	200	340	Peak
5150	47.58	49.89	54	-6.42	34.52	9.52	46.35	200	340	Average
5320	101.04	102.8	/	/	34.66	9.88	46.3	200	340	Peak
5320	92.75	94.51	/	/	34.66	9.88	46.3	200	340	Average
5350	55.87	57.55	74	-18.13	34.68	9.94	46.3	200	340	Peak
5350	48.6	50.28	54	-5.4	34.68	9.94	46.3	200	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
5150	54.67	56.9	74	-19.33	34.6	9.52	46.35	100	185	Peak
5150	46.86	49.09	54	-7.14	34.6	9.52	46.35	100	185	Average
5320	101.21	103.03	/	/	34.6	9.88	46.3	100	185	Peak
5320	93.05	94.87	/	/	34.6	9.88	46.3	100	185	Average
5350	56.36	58.12	74	-17.64	34.6	9.94	46.3	100	185	Peak
5350	49.14	50.9	54	-4.86	34.6	9.94	46.3	100	185	Average

REMARKS:

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



802.11ac (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	55.31	57.62	74	-18.69	34.52	9.52	46.35	100	335	Peak
5150	49.39	51.7	54	-4.61	34.52	9.52	46.35	100	335	Average
5270	93.66	95.59	/	/	34.62	9.77	46.32	100	335	Peak
5270	86.09	88.02	/	/	34.62	9.77	46.32	100	335	Average
5350	53.89	55.57	74	-20.11	34.68	9.94	46.3	100	335	Peak
5350	48.1	49.78	54	-5.9	34.68	9.94	46.3	100	335	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	53.98	56.21	74	-20.02	34.6	9.52	46.35	100	170	Peak
5150	49.2	51.43	54	-4.8	34.6	9.52	46.35	100	170	Average
5270	94.58	96.53	/	/	34.6	9.77	46.32	100	170	Peak
5270	87.07	89.02	/	/	34.6	9.77	46.32	100	170	Average
5350	54.17	55.93	74	-19.83	34.6	9.94	46.3	100	170	Peak
5350	47.79	49.55	54	-6.21	34.6	9.94	46.3	100	170	Average

REMARKS:

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



CHANNEL	TX Channel 62	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	54.3	56.61	74	-19.7	34.52	9.52	46.35	100	335	Peak
5150	49.77	52.08	54	-4.23	34.52	9.52	46.35	100	335	Average
5310	93.35	95.16	/	/	34.65	9.85	46.31	100	335	Peak
5310	87.64	89.45	/	/	34.65	9.85	46.31	100	335	Average
5350	56.71	58.39	74	-17.29	34.68	9.94	46.3	100	335	Peak
5350	50.28	51.96	54	-3.72	34.68	9.94	46.3	100	335	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	54.85	57.08	74	-19.15	34.6	9.52	46.35	100	170	Peak
5150	49.44	51.67	54	-4.56	34.6	9.52	46.35	100	170	Average
5310	94.45	96.31	/	/	34.6	9.85	46.31	100	170	Peak
5310	87.09	88.95	/	/	34.6	9.85	46.31	100	170	Average
5350	54.29	56.05	74	-19.71	34.6	9.94	46.3	100	170	Peak
5350	48.38	50.14	54	-5.62	34.6	9.94	46.3	100	170	Average

REMARKS:

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



802.11ac (80MHz)

CHANNEL	TX Channel 58	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	54.51	56.82	74	-19.49	34.52	9.52	46.35	100	325	Peak
5150	49.95	52.26	54	-4.05	34.52	9.52	46.35	100	325	Average
5290	90.94	92.81	/	/	34.63	9.81	46.31	100	325	Peak
5290	83.48	85.35	/	/	34.63	9.81	46.31	100	325	Average
5350	55.26	56.94	74	-18.74	34.68	9.94	46.3	100	325	Peak
5350	50.74	52.42	54	-3.26	34.68	9.94	46.3	100	325	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	55.49	57.72	74	-18.51	34.6	9.52	46.35	100	165	Peak
5150	50.49	52.72	54	-3.51	34.6	9.52	46.35	100	165	Average
5290	90.5	92.4	/	/	34.6	9.81	46.31	100	165	Peak
5290	83.5	85.4	/	/	34.6	9.81	46.31	100	165	Average
5350	54.76	56.52	74	-19.24	34.6	9.94	46.3	100	165	Peak
5350	50.93	52.69	54	-3.07	34.6	9.94	46.3	100	165	Average

REMARKS:

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



Band 3

802.11a

CHANNEL	TX Channel 100	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
5460	54.77	56.09	74	-19.23	34.77	10.17	46.26	100	360	Peak
5460	47.71	49.03	54	-6.29	34.77	10.17	46.26	100	360	Average
5470	56.08	57.37	68.2	-12.12	34.78	10.19	46.26	100	360	Peak
5500	98.07	99.26	/	/	34.8	10.26	46.25	100	360	Peak
5500	91.08	92.27	/	/	34.8	10.26	46.25	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
5460	54.71	56.2	74	-19.29	34.6	10.17	46.26	100	50	Peak
5460	48.24	49.73	54	-5.76	34.6	10.17	46.26	100	50	Average
5470	55.27	56.74	68.2	-12.93	34.6	10.19	46.26	100	50	Peak
5500	99.37	100.76	/	/	34.6	10.26	46.25	100	50	Peak
5500	92.38	93.77	/	/	34.6	10.26	46.25	100	50	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)
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
5460	55.31	56.63	74	-18.69	34.77	10.17	46.26	100	0	Peak
5460	49.28	50.6	54	-4.72	34.77	10.17	46.26	100	0	Average
5470	54.55	55.84	68.2	-13.65	34.78	10.19	46.26	100	0	Peak
5580	99.88	100.62	/	/	34.9	10.59	46.23	100	0	Peak
5580	93.96	94.7	/	/	34.9	10.59	46.23	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
5460	54.9	56.39	74	-19.1	34.6	10.17	46.26	100	50	Peak
5460	48.85	50.34	54	-5.15	34.6	10.17	46.26	100	50	Average
5470	54.74	56.21	68.2	-13.46	34.6	10.19	46.26	100	50	Peak
5580	98.24	99.18	/	/	34.7	10.59	46.23	100	50	Peak
5580	92.44	93.38	/	/	34.7	10.59	46.23	100	50	Average

REMARKS:

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



CHANNEL	TX Channel 140	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
5700	100.5	100.56	/	/	35.04	11.09	46.19	100	0	Peak
5700	94.84	94.9	/	/	35.04	11.09	46.19	100	0	Average
5725	59.2	59.12	68.2	-9	35.07	11.2	46.19	100	0	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	104.53	104.79	/	/	34.84	11.09	46.19	100	190	Peak
5700	97.44	97.7	/	/	34.84	11.09	46.19	100	190	Average
5725	60.04	60.16	68.2	-8.16	34.87	11.2	46.19	100	190	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)
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
5460	54.79	56.11	74	-19.21	34.77	10.17	46.26	100	0	Peak
5460	49.34	50.66	54	-4.66	34.77	10.17	46.26	100	0	Average
5470	55.09	56.38	68.2	-13.11	34.78	10.19	46.26	100	0	Peak
5500	98.32	99.51	/	/	34.8	10.26	46.25	100	0	Peak
5500	91.43	92.62	/	/	34.8	10.26	46.25	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
5460	54.9	56.39	74	-19.1	34.6	10.17	46.26	100	48	Peak
5460	48.51	50	54	-5.49	34.6	10.17	46.26	100	48	Average
5470	57.4	58.87	68.2	-10.8	34.6	10.19	46.26	100	48	Peak
5500	99.72	101.11	/	/	34.6	10.26	46.25	100	48	Peak
5500	92.48	93.87	/	/	34.6	10.26	46.25	100	48	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)
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
5460	53.27	54.59	74	-20.73	34.77	10.17	46.26	170	200	Peak
5460	47.04	48.36	54	-6.96	34.77	10.17	46.26	170	200	Average
5470	53.56	54.85	68.2	-14.64	34.78	10.19	46.26	170	200	Peak
5580	104.06	104.8	/	/	34.9	10.59	46.23	170	200	Peak
5580	96.44	97.18	/	/	34.9	10.59	46.23	170	200	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	54.9	56.39	74	-19.1	34.6	10.17	46.26	108	180	Peak
5460	46.95	48.44	54	-7.05	34.6	10.17	46.26	108	180	Average
5470	53.02	54.49	68.2	-15.18	34.6	10.19	46.26	108	180	Peak
5580	105.36	106.3	/	/	34.7	10.59	46.23	108	180	Peak
5580	97.01	97.95	/	/	34.7	10.59	46.23	108	180	Average

REMARKS:

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



CHANNEL	TX Channel 140	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
5700	105.14	105.2	/	/	35.04	11.09	46.19	100	12	Peak
5700	97.06	97.12	/	/	35.04	11.09	46.19	100	12	Average
5725	62.03	61.95	68.2	-6.17	35.07	11.2	46.19	100	12	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	105.91	106.17	/	/	34.84	11.09	46.19	108	180	Peak
5700	98.23	98.49	/	/	34.84	11.09	46.19	108	180	Average
5725	63.08	63.34	68.2	-5.12	34.84	11.09	46.19	108	180	Peak

REMARKS:

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



802.11n (40MHz)

CHANNEL	TX Channel 102	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
5460	59.56	60.88	74	-14.44	34.77	10.17	46.26	178	200	Peak
5460	53.55	54.87	54	-0.45	34.77	10.17	46.26	178	200	Average
5470	66.26	67.55	68.2	-1.94	34.78	10.19	46.26	178	200	Peak
5510	98.54	99.68	/	/	34.81	10.3	46.25	178	200	Peak
5510	92.33	93.47	/	/	34.81	10.3	46.25	178	200	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	60.77	62.26	74	-13.23	34.6	10.17	46.26	105	180	Peak
5460	53.68	55.17	54	-0.32	34.6	10.17	46.26	105	180	Average
5470	67.13	68.6	68.2	-1.07	34.6	10.19	46.26	105	180	Peak
5510	99.99	101.33	/	/	34.61	10.3	46.25	105	180	Peak
5510	93.92	95.26	/	/	34.61	10.3	46.25	105	180	Average

REMARKS:

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



CHANNEL	TX Channel 110	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
5460	53.33	54.65	74	-20.67	34.77	10.17	46.26	178	200	Peak
5460	47.41	48.73	54	-6.59	34.77	10.17	46.26	178	200	Average
5470	53.82	55.11	68.2	-14.38	34.78	10.19	46.26	178	200	Peak
5550	97.47	98.38	/	/	34.86	10.47	46.24	178	200	Peak
5550	91.27	92.18	/	/	34.86	10.47	46.24	178	200	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	52.25	53.74	74	-21.75	34.6	10.17	46.26	105	180	Peak
5460	47.43	48.92	54	-6.57	34.6	10.17	46.26	105	180	Average
5470	53.13	54.6	68.2	-15.07	34.6	10.19	46.26	105	180	Peak
5550	99.39	100.5	/	/	34.66	10.47	46.24	105	180	Peak
5550	93.5	94.61	/	/	34.66	10.47	46.24	105	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 134	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
5670	99.48	99.71	/	/	35	10.97	46.2	100	205	Peak
5670	93.47	93.7	/	/	35	10.97	46.2	100	205	Average
5725	57.87	57.79	68.2	-10.33	35.07	11.2	46.19	100	205	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	100.24	100.67	/	/	34.8	10.97	46.2	100	182	Peak
5670	94.25	94.68	/	/	34.8	10.97	46.2	100	182	Average
5725	57.8	57.92	68.2	-10.4	34.87	11.2	46.19	100	182	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 (20MHz)

CHANNEL	TX Channel 100	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
5460	55.12	56.44	74	-18.88	34.77	10.17	46.26	200	330	Peak
5460	48.7	50.02	54	-5.3	34.77	10.17	46.26	200	330	Average
5470	57.29	58.58	68.2	-10.91	34.78	10.19	46.26	200	330	Peak
5500	102.17	103.36	/	/	34.8	10.26	46.25	200	330	Peak
5500	93.92	95.11	/	/	34.8	10.26	46.25	200	330	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	56.34	57.83	74	-17.66	34.6	10.17	46.26	100	190	Peak
5460	48.51	50	54	-5.49	34.6	10.17	46.26	100	190	Average
5470	57.14	58.61	68.2	-11.06	34.6	10.19	46.26	100	190	Peak
5500	103.16	104.55	/	/	34.6	10.26	46.25	100	190	Peak
5500	94.93	96.32	/	/	34.6	10.26	46.25	100	190	Average

REMARKS:

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



CHANNEL	TX Channel 116	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
5460	53.46	54.78	74	-20.54	34.77	10.17	46.26	170	200	Peak
5460	46.88	48.2	54	-7.12	34.77	10.17	46.26	170	200	Average
5470	53.06	54.35	68.2	-15.14	34.78	10.19	46.26	170	200	Peak
5580	105.64	106.38	/	/	34.9	10.59	46.23	170	200	Peak
5580	97.48	98.22	/	/	34.9	10.59	46.23	170	200	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	52.92	54.41	74	-21.08	34.6	10.17	46.26	105	180	Peak
5460	46.81	48.3	54	-7.19	34.6	10.17	46.26	105	180	Average
5470	52.99	54.46	68.2	-15.21	34.6	10.19	46.26	105	180	Peak
5580	104.82	105.76	/	/	34.7	10.59	46.23	105	180	Peak
5580	96.87	97.81	/	/	34.7	10.59	46.23	105	180	Average

REMARKS:

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



CHANNEL	TX Channel 140	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
5700	104.59	104.65	/	/	35.04	11.09	46.19	200	200	Peak
5700	96.32	96.38	/	/	35.04	11.09	46.19	200	200	Average
5725	61.87	61.79	68.2	-6.33	35.07	11.2	46.19	200	200	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	106.53	106.79	/	/	34.84	11.09	46.19	100	180	Peak
5700	97.99	98.25	/	/	34.84	11.09	46.19	100	180	Average
5725	63.05	63.17	68.2	-5.15	34.87	11.2	46.19	100	180	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.



802.11ac (40MHz)

CHANNEL	TX Channel 102	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
5460	53.99	55.31	74	-20.01	34.77	10.17	46.26	103	0	Peak
5460	47.91	49.23	54	-6.09	34.77	10.17	46.26	103	0	Average
5470	56.02	57.31	68.2	-12.18	34.78	10.19	46.26	103	0	Peak
5510	95.24	96.38	/	/	34.81	10.3	46.25	103	0	Peak
5510	88.57	89.71	/	/	34.81	10.3	46.25	103	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	53.19	54.68	74	-20.81	34.6	10.17	46.26	105	180	Peak
5460	48.16	49.65	54	-5.84	34.6	10.17	46.26	105	180	Average
5470	57.85	59.32	68.2	-10.35	34.6	10.19	46.26	105	180	Peak
5510	96.81	98.15	/	/	34.61	10.3	46.25	105	180	Peak
5510	89.9	91.24	/	/	34.61	10.3	46.25	105	180	Average

REMARKS:

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



CHANNEL	TX Channel 110	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
5460	53.36	54.68	74	-20.64	34.77	10.17	46.26	200	205	Peak
5460	47.11	48.43	54	-6.89	34.77	10.17	46.26	200	205	Average
5470	54.83	56.12	68.2	-13.37	34.78	10.19	46.26	200	205	Peak
5550	96.3	97.21	/	/	34.86	10.47	46.24	200	205	Peak
5550	89.86	90.77	/	/	34.86	10.47	46.24	200	205	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	52.38	53.87	74	-21.62	34.6	10.17	46.26	110	190	Peak
5460	46.8	48.29	54	-7.2	34.6	10.17	46.26	110	190	Average
5470	54.24	55.71	68.2	-13.96	34.6	10.19	46.26	110	190	Peak
5550	96.2	97.31	/	/	34.66	10.47	46.24	110	190	Peak
5550	89.81	90.92	/	/	34.66	10.47	46.24	110	190	Average

REMARKS:

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



CHANNEL	TX Channel 134	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
5670	95.97	96.2	/	/	35	10.97	46.2	100	12	Peak
5670	89.69	89.92	/	/	35	10.97	46.2	100	12	Average
5725	55.7	55.62	68.2	-12.5	35.07	11.2	46.19	100	12	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	97.44	97.87	/	/	34.8	10.97	46.2	105	180	Peak
5670	91.23	91.66	/	/	34.8	10.97	46.2	105	180	Average
5725	55.08	55.2	68.2	-13.12	34.87	11.2	46.19	105	180	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)
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
5460	54.39	55.71	74	-19.61	34.77	10.17	46.26	145	205	Peak
5460	49.21	50.53	54	-4.79	34.77	10.17	46.26	145	205	Average
5470	55.91	57.2	68.2	-12.29	34.78	10.19	46.26	145	205	Peak
5530	94.42	95.44	/	/	34.84	10.38	46.24	145	205	Peak
5530	88.54	89.56	/	/	34.84	10.38	46.24	145	205	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	52.96	54.45	74	-21.04	34.6	10.17	46.26	105	180	Peak
5460	48.08	49.57	54	-5.92	34.6	10.17	46.26	105	180	Average
5470	54.25	55.72	68.2	-13.95	34.6	10.19	46.26	105	180	Peak
5530	92.47	93.69	/	/	34.64	10.38	46.24	105	180	Peak
5530	86.19	87.41	/	/	34.64	10.38	46.24	105	180	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)
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
5610	94.71	95.28	/	/	34.93	10.72	46.22	150	205	Peak
5610	88.95	89.52	/	/	34.93	10.72	46.22	150	205	Average
5725	54.36	54.28	68.2	-13.84	35.07	11.2	46.19	150	205	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	93.28	94.05	/	/	34.73	10.72	46.22	105	180	Peak
5610	87.93	88.7	/	/	34.73	10.72	46.22	105	180	Average
5725	54.97	55.09	68.2	-13.23	34.87	11.2	46.19	105	180	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)
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
5745	104.97	104.78	/	/	35.09	11.28	46.18	130	200	Peak
5745	97.69	97.5	/	/	35.09	11.28	46.18	130	200	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	108.23	108.24	/	/	34.89	11.28	46.18	100	180	Peak
5745	101.27	101.28	/	/	34.89	11.28	46.18	100	180	Average

REMARKS:

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

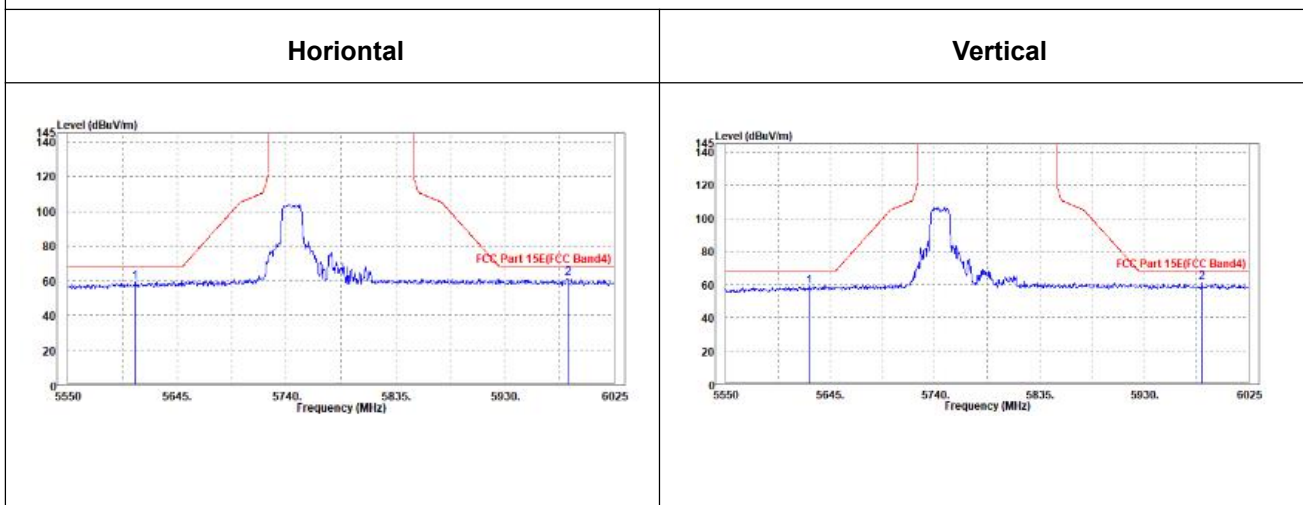


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802.11a

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
5608.425	59.1	59.68	68.2	-9.1	34.93	10.71	46.22	300	0	Peak
5984.625	61.21	59.65	68.2	-6.99	35.38	12.29	46.11	300	0	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
5625.525	59.15	59.83	68.2	-9.05	34.75	10.78	46.21	0	0	Peak
5982.725	61.14	59.79	68.2	-7.06	35.18	12.28	46.11	0	0	Peak

CH 149





CHANNEL	TX Channel 157	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
5785	107.5	107.08	/	/	35.14	11.45	46.17	165	195	Peak
5785	100.57	100.15	/	/	35.14	11.45	46.17	165	195	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	108.64	108.42	/	/	34.94	11.45	46.17	100	180	Peak
5785	101.57	101.35	/	/	34.94	11.45	46.17	100	180	Average

REMARKS:

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

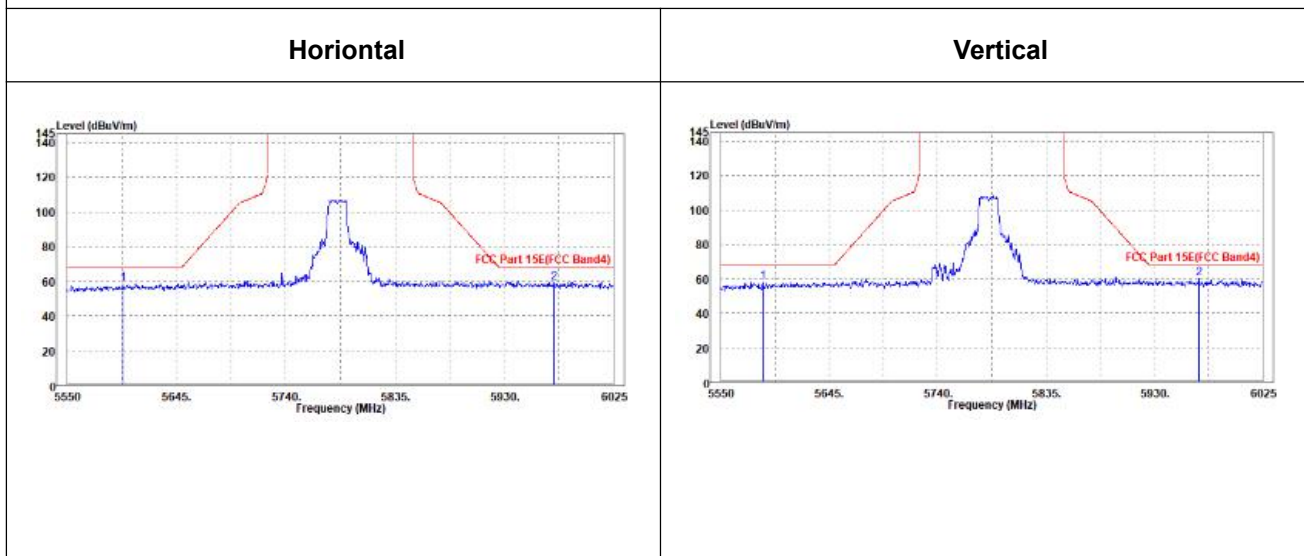


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802.11a

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
5598.45	58.39	59.02	68.2	-9.81	34.92	10.67	46.22	200	180	Peak
5973.7	58.95	57.46	68.2	-9.25	35.37	12.24	46.12	200	180	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
5587.05	57.84	58.75	68.2	-10.36	34.7	10.62	46.23	200	180	Peak
5968.95	60.23	58.97	68.2	-7.97	35.16	12.22	46.12	200	180	Peak

CH 157





CHANNEL	TX Channel 165	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
5825	107.12	106.47	/	/	35.19	11.62	46.16	145	195	Peak
5825	100.56	99.91	/	/	35.19	11.62	46.16	145	195	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
5825	108.16	107.71	/	/	34.99	11.62	46.16	105	180	Peak
5825	100.95	100.5	/	/	34.99	11.62	46.16	105	180	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5825MHz: Fundamental frequency.

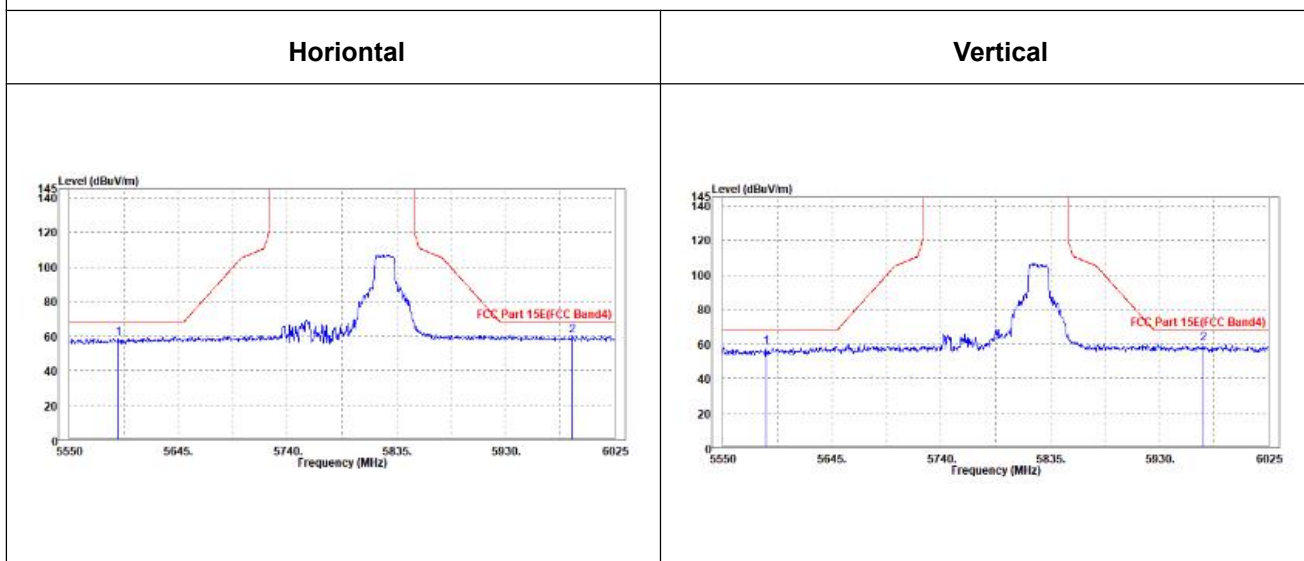


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802.11a

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
5592.275	58.66	59.33	68.2	-9.54	34.91	10.64	46.22	200	0	Peak
5988.425	60.15	58.57	68.2	-8.05	35.39	12.3	46.11	200	0	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
5587.525	57.95	58.85	68.2	-10.25	34.71	10.62	46.23	200	180	Peak
5968.475	59.99	58.73	68.2	-8.21	35.16	12.22	46.12	200	180	Peak

CH 165





802.11n (20MHz)

CHANNEL	TX Channel 149	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
5745	107.74	107.55	/	/	35.09	11.28	46.18	110	200	Peak
5745	100.03	99.84	/	/	35.09	11.28	46.18	110	200	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	109.03	109.04	/	/	34.89	11.28	46.18	100	180	Peak
5745	100.79	100.8	/	/	34.89	11.28	46.18	100	180	Average

REMARKS:

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



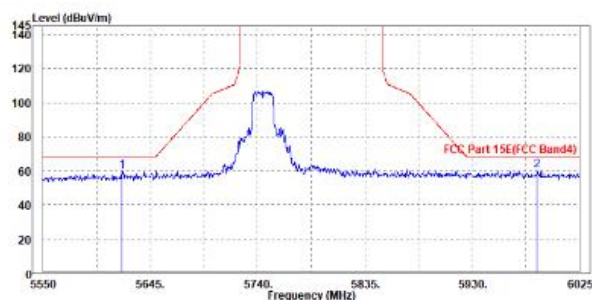
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802.11n (20MHZ)

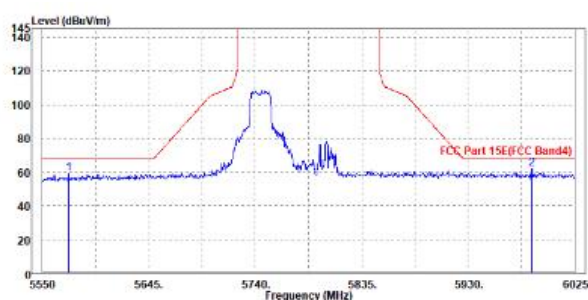
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FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5619.825	59.41	59.93	68.2	-8.79	34.94	10.76	46.22	200	200	Peak
5987.475	59.98	58.41	68.2	-8.22	35.38	12.3	46.11	200	200	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
5573.75	58.92	59.9	68.2	-9.28	34.69	10.56	46.23	200	180	Peak
5986.525	61.81	60.45	68.2	-6.39	35.18	12.29	46.11	200	180	Peak

CH 149

Horizontal



Vertical





CHANNEL	TX Channel 157	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
5785	107.57	107.15	/	/	35.14	11.45	46.17	138	200	Peak
5785	99.36	98.94	/	/	35.14	11.45	46.17	138	200	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	107.5	107.28	/	/	34.94	11.45	46.17	100	185	Peak
5785	99.4	99.18	/	/	34.94	11.45	46.17	100	185	Average

REMARKS:

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



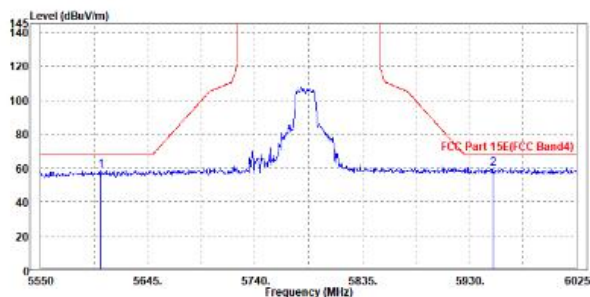
OOBE DATA

802.11n (20MHZ)

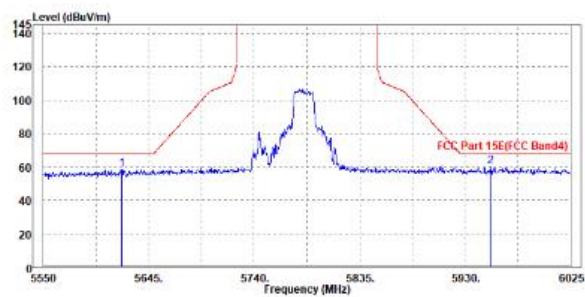
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV /m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5603.675	58.44	59.05	68.2	-9.76	34.92	10.69	46.22	238	200	Peak
5950.9	59.57	58.21	68.2	-8.63	35.34	12.14	46.12	238	200	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
5620.775	58.37	59.09	68.2	-9.83	34.74	10.76	46.22	200	180	Peak
5952.8	59.96	58.79	68.2	-8.24	35.14	12.15	46.12	200	180	Peak

CH 157

Horizontal



Vertical





CHANNEL	TX Channel 165	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
5825	107.69	107.04	/	/	35.19	11.62	46.16	130	200	Peak
5825	99.58	98.93	/	/	35.19	11.62	46.16	130	200	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
5825	108.59	108.14	/	/	34.99	11.62	46.16	105	180	Peak
5825	100.37	99.92	/	/	34.99	11.62	46.16	105	180	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5825MHz: Fundamental frequency.



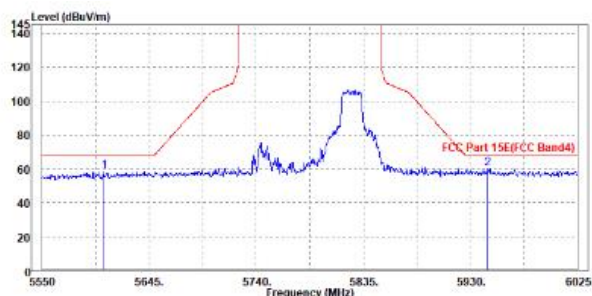
OOBE DATA

802.11n (20MHZ)

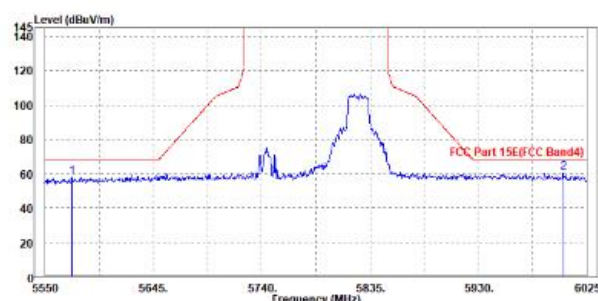
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5604.625	58.6	59.2	68.2	-9.6	34.93	10.69	46.22	200	200	Peak
5945.675	60.34	59.02	68.2	-7.86	35.33	12.12	46.13	200	200	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
5573.75	58.16	59.14	68.2	-10.04	34.69	10.56	46.23	200	180	Peak
6004.575	60.7	59.25	68.2	-7.5	35.21	12.35	46.11	200	180	Peak

CH 165

Horizontal



Vertical





802.11n (40MHz)

CHANNEL	TX Channel 151	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
5755	102.93	102.68	/	/	35.11	11.32	46.18	200	200	Peak
5755	96.62	96.37	/	/	35.11	11.32	46.18	200	200	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	103.8	103.75	/	/	34.91	11.32	46.18	100	180	Peak
5755	97.8	97.75	/	/	34.91	11.32	46.18	100	180	Average

REMARKS:

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



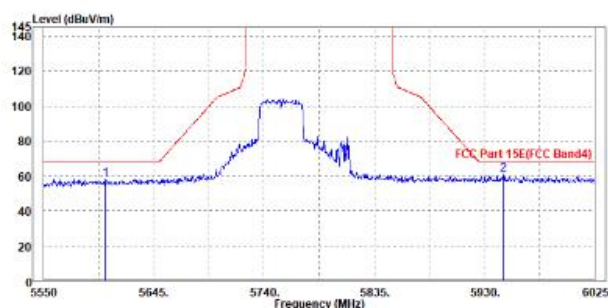
OOBE DATA

802.11n (40MHZ)

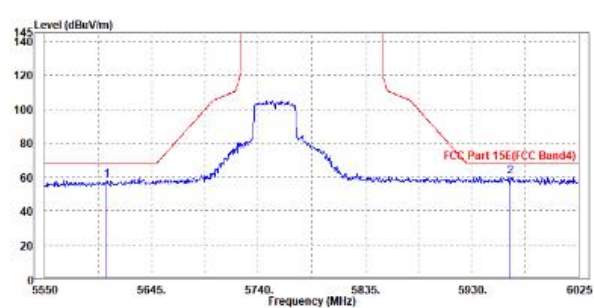
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5603.675	58.06	58.67	68.2	-10.14	34.92	10.69	46.22	300	200	Peak
5946.15	60.53	59.2	68.2	-7.67	35.34	12.12	46.13	300	200	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
5605.1	58.13	58.92	68.2	-10.07	34.73	10.7	46.22	200	180	Peak
5964.675	60.01	58.77	68.2	-8.19	35.16	12.2	46.12	200	180	Peak

CH 151

Horizontal



Vertical





CHANNEL	TX Channel 159	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
5795	103.77	103.3	/	/	35.15	11.49	46.17	200	190	Peak
5795	96.88	96.41	/	/	35.15	11.49	46.17	200	190	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
5795	104.26	103.99	/	/	34.95	11.49	46.17	100	180	Peak
5795	97.52	97.25	/	/	34.95	11.49	46.17	100	180	Average

REMARKS:

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



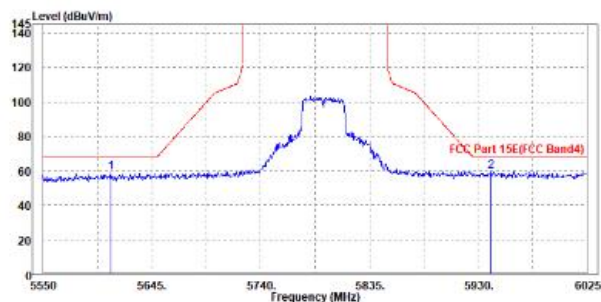
OUBE DATA

802.11n (40MHZ)

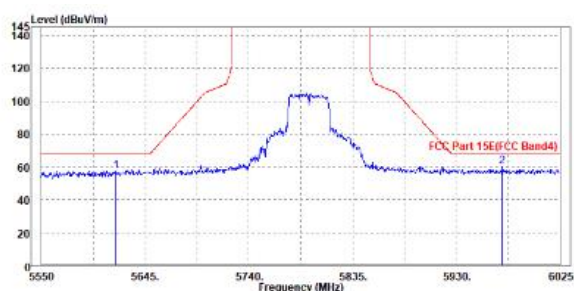
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5608.9	59.04	59.62	68.2	-9.16	34.93	10.71	46.22	200	200	Peak
5941.4	59.7	58.4	68.2	-8.5	35.33	12.1	46.13	200	200	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
5618.4	57.55	58.28	68.2	-10.65	34.74	10.75	46.22	200	180	Peak
5971.8	59.92	58.64	68.2	-8.28	35.17	12.23	46.12	200	180	Peak

CH 159

Horizontal



Vertical





802.11ac (20MHz)

CHANNEL	TX Channel 149	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
5745	108.16	107.97	/	/	35.09	11.28	46.18	120	200	Peak
5745	99.86	99.67	/	/	35.09	11.28	46.18	120	200	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	107.76	107.77	/	/	34.89	11.28	46.18	100	180	Peak
5745	100.26	100.27	/	/	34.89	11.28	46.18	100	180	Average

REMARKS:

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



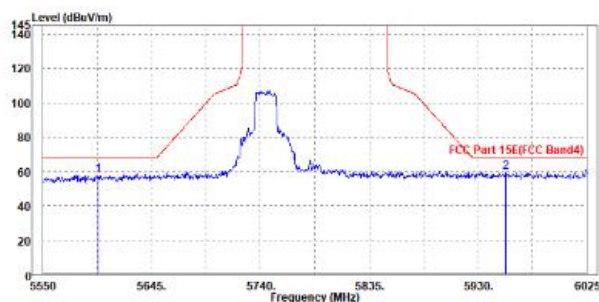
OOBE DATA

802.11ac (20MHZ)

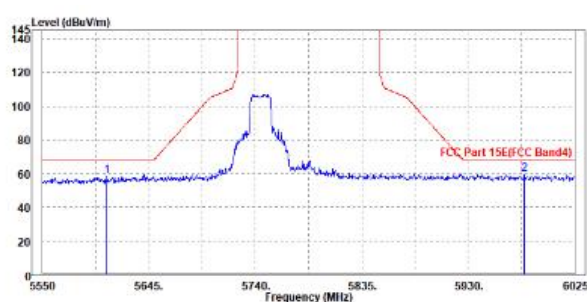
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5598.45	57.85	58.48	68.2	-10.35	34.92	10.67	46.22	220	200	Peak
5954.225	59.56	58.17	68.2	-8.64	35.35	12.16	46.12	220	200	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	58.32	59.1	68.2	-9.88	34.73	10.71	46.22	200	180	Peak
5980.35	59.61	58.28	68.2	-8.59	35.18	12.27	46.12	200	180	Peak

CH 149

Horizontal



Vertical





CHANNEL	TX Channel 157	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
5785	108.07	107.65	/	/	35.14	11.45	46.17	120	200	Peak
5785	99.7	99.28	/	/	35.14	11.45	46.17	120	200	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	108.08	107.86	/	/	34.94	11.45	46.17	100	180	Peak
5785	99.63	99.41	/	/	34.94	11.45	46.17	100	180	Average

REMARKS:

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

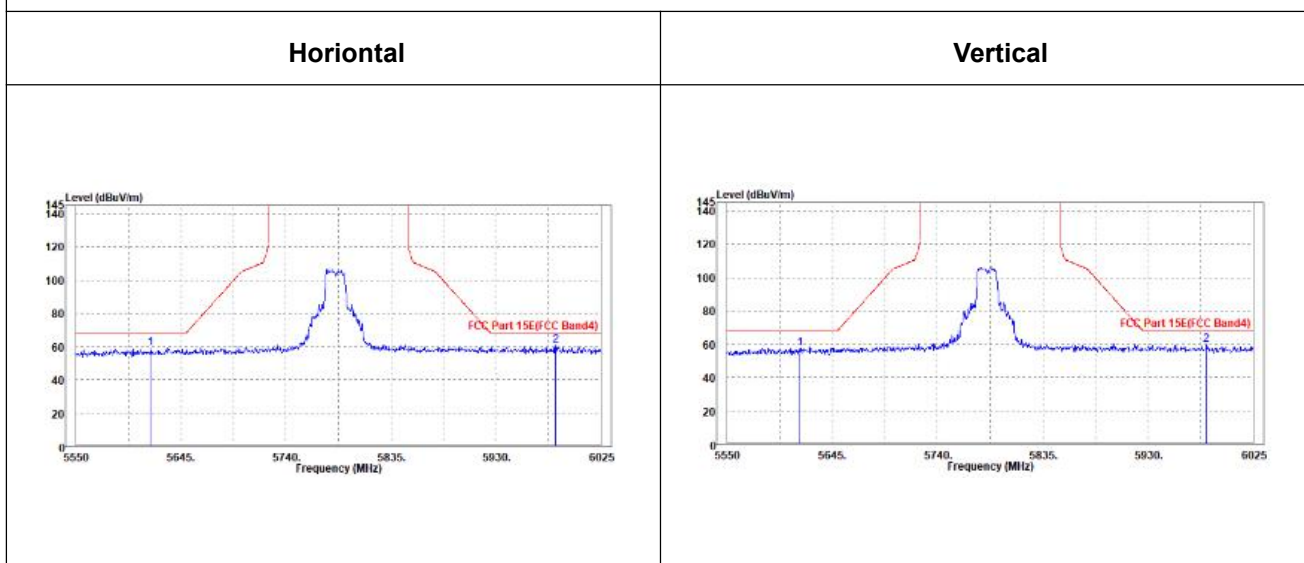


OOBE DATA

802.11ac (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
5617.45	59.1	59.63	68.2	-9.1	34.94	10.75	46.22	200	200	Peak
5984.15	60.53	58.98	68.2	-7.67	35.38	12.28	46.11	200	200	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
5616.025	57.32	58.06	68.2	-10.88	34.74	10.74	46.22	200	180	Peak
5982.725	59.49	58.14	68.2	-8.71	35.18	12.28	46.11	200	180	Peak

CH 157





CHANNEL	TX Channel 165	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
5825	106.61	105.96	/	/	35.19	11.62	46.16	130	200	Peak
5825	98.65	98	/	/	35.19	11.62	46.16	130	200	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
5825	108.71	108.26	/	/	34.99	11.62	46.16	105	180	Peak
5825	100.38	99.93	/	/	34.99	11.62	46.16	105	180	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5825MHz: Fundamental frequency.



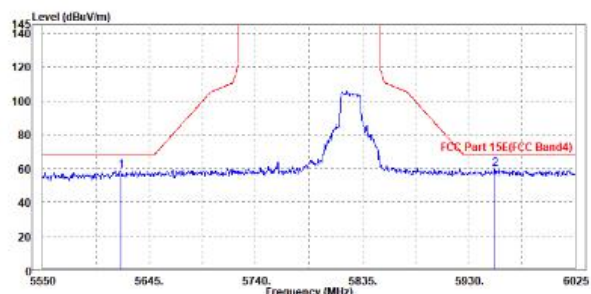
OOBE DATA

802.11ac (20MHZ)

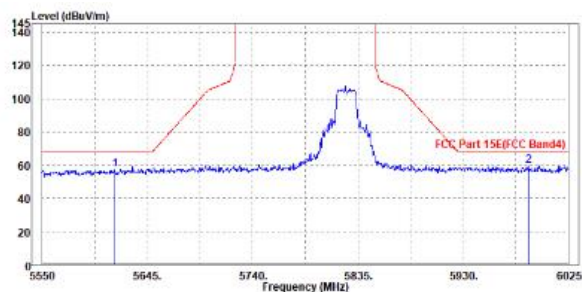
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5619.825	58.38	58.9	68.2	-9.82	34.94	10.76	46.22	230	200	Peak
5953.275	59.38	58.01	68.2	-8.82	35.34	12.15	46.12	230	200	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
5615.55	57.41	58.15	68.2	-10.79	34.74	10.74	46.22	200	180	Peak
5988.9	59.72	58.34	68.2	-8.48	35.19	12.3	46.11	200	180	Peak

CH 165

Horizontal



Vertical





802.11ac (40MHz)

CHANNEL	TX Channel 151	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
5755	97.24	96.99	/	/	35.11	11.32	46.18	130	200	Peak
5755	91.05	90.8	/	/	35.11	11.32	46.18	130	200	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	97.66	97.61	/	/	34.91	11.32	46.18	100	180	Peak
5755	92.73	92.68	/	/	34.91	11.32	46.18	100	180	Average

REMARKS:

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



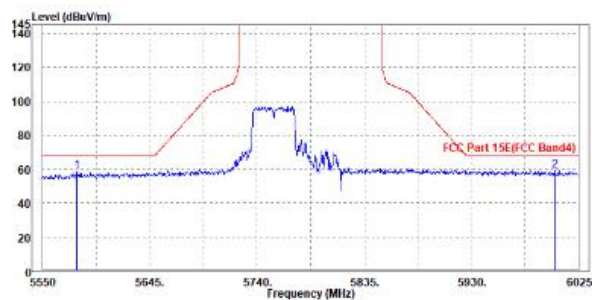
OUBE DATA

802.11ac (40MHZ)

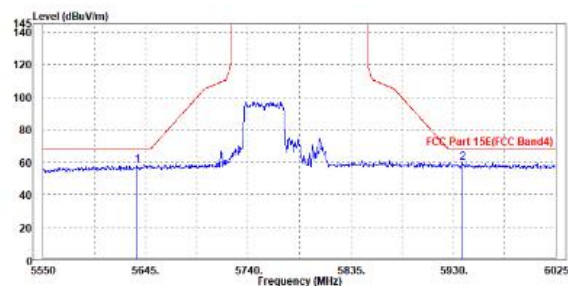
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5580.4	58.39	59.13	68.2	-9.81	34.9	10.59	46.23	300	0	Peak
6003.625	59.13	57.49	68.2	-9.07	35.4	12.35	46.11	300	0	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
5637.4	58.03	58.65	68.2	-10.17	34.76	10.83	46.21	200	360	Peak
5938.55	59.63	58.54	68.2	-8.57	35.13	12.09	46.13	200	360	Peak

CH 151

Horizontal



Vertical





CHANNEL	TX Channel 159	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
5795	97.15	96.68	/	/	35.15	11.49	46.17	130	200	Peak
5795	90.29	89.82	/	/	35.15	11.49	46.17	130	200	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
5795	97.52	97.25	/	/	34.95	11.49	46.17	100	180	Peak
5795	92.43	92.16	/	/	34.95	11.49	46.17	100	180	Average

REMARKS:

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



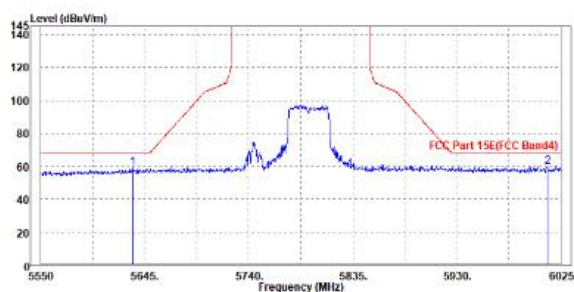
OOBE DATA

802.11ac (40MHZ)

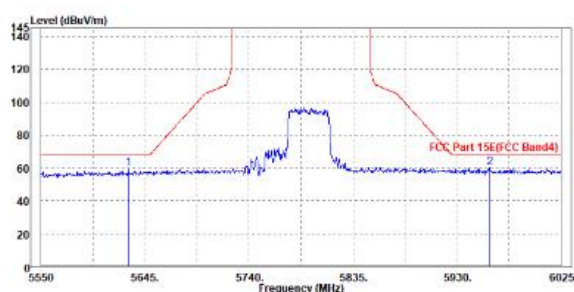
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5633.6	59.17	59.6	68.2	-9.03	34.96	10.82	46.21	200	0	Peak
6012.65	59.78	58.13	68.2	-8.42	35.4	12.36	46.11	200	0	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
5629.8	59.72	60.37	68.2	-8.48	34.76	10.8	46.21	200	360	Peak
5959.925	59.9	58.69	68.2	-8.3	35.15	12.18	46.12	200	360	Peak

CH 159

Horizontal



Vertical





802.11ac (80MHz)

CHANNEL	TX Channel 155	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
5775	96.34	95.97	/	/	35.13	11.41	46.17	130	200	Peak
5775	89.81	89.44	/	/	35.13	11.41	46.17	130	200	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
5775	96.55	96.38	/	/	34.93	11.41	46.17	100	180	Peak
5775	92.18	92.01	/	/	34.93	11.41	46.17	100	180	Average

REMARKS:

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



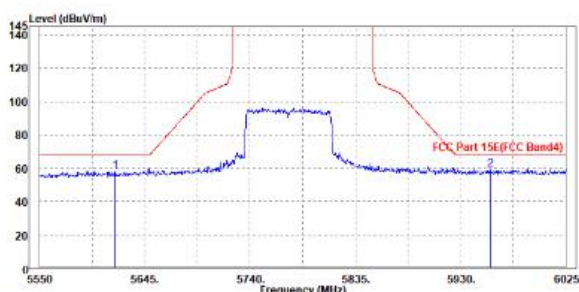
OOBE DATA

802.11ac (80MHZ)

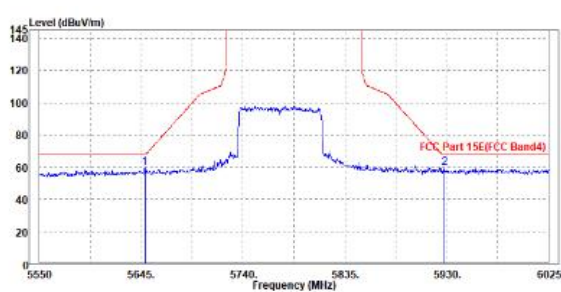
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5617.925	58.1	58.63	68.2	-10.1	34.94	10.75	46.22	200	0	Peak
5956.6	58.95	57.55	68.2	-9.25	35.35	12.17	46.12	200	0	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
5648.325	59.53	60.08	68.2	-8.67	34.78	10.88	46.21	200	0	Peak
5927.625	59.4	58.37	68.2	-8.8	35.11	12.05	46.13	200	0	Peak

CH 155

Horizontal



Vertical



3.2 OUT OF BAND EMISSION MEASUREMENT

3.2.1 LIMITS OF OUT OF BAND EMISSION MEASUREMENT

OUT OF THE RESTRICTED BANDS	APPLICABLE TO	EIRP LIMIT (dBm/MHz)
	15.407(b)(1)	-27
	15.407(b)(2)	
	15.407(b)(3)	
	15.407(b)(4)	See note

NOTE:

(b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) 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.

3.2.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
10dB Attenuator	JFW/USA	50HF-010-SMA	1505	Jun. 03,21	Jun. 02,22
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	Jun. 03,21	Jun. 02,22

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 RF OVEN ROOM.
3. The FCC Site Registration No. is 525120; The Designation No. is CN1171.

3.2.3 TEST PROCEDURES

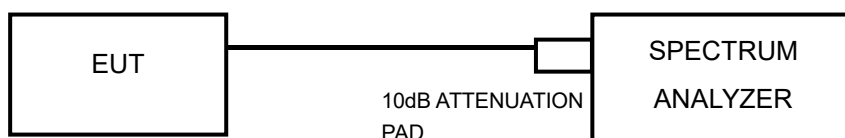
- a. Check the calibration of the measurement instrument using either an internal calibrator or a known signal from an external generator.
- b. The resolution bandwidth is set to 1MHzThe Video bandwidth is set to ≥ 1 MHz, report the peak value out of operating band.
- c. Repeat above procedures until all frequencies measured were complete.

NOTE: All modes of operation were investigated and the worst-case emissions are reported, antenna gain was added into the test result.

3.2.4 DEVIATION FROM TEST STANDARD

No deviation.

3.2.5 TEST SETUP



3.2.6 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.



Test Report No.: W7L-P21100018-2RF03

3.2.7 TEST RESULTS

Please Refer to Appendix Of this test report.

3.3 CONDUCTED EMISSION MEASUREMENT

3.3.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

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

- NOTE:**
1. The lower limit shall apply at the transition frequencies.
 2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.
 3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

3.3.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR3	101900	Mar. 03,21	Mar. 02,22
EMC32 test software	Rohde&Schwarz	EMC32	NA	NA	NA
LISN network	Rohde&Schwarz	ENV216	101922	Feb. 25,21	Feb. 24,22

NOTE:

1. The test was performed in CE shielded room.
2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

3.3.3 TEST PROCEDURES

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

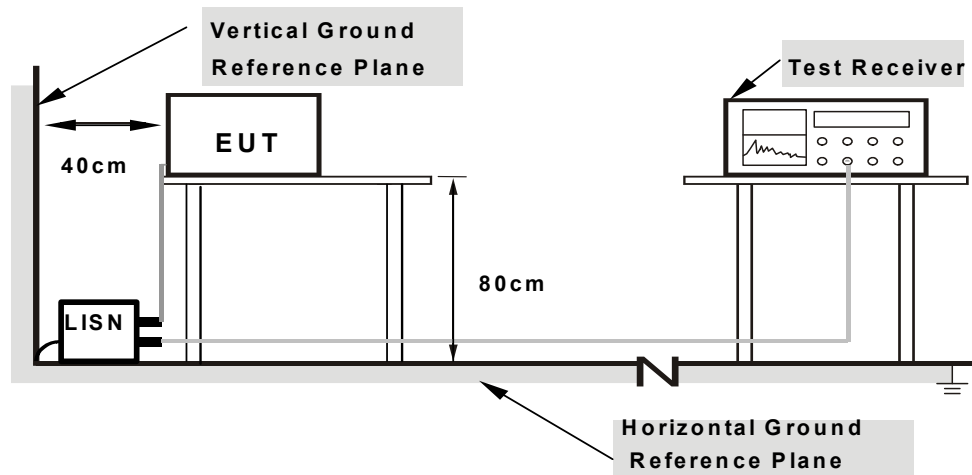
NOTE: All modes of operation were investigated and the worst-case emissions are reported.



3.3.4 DEVIATION FROM TEST STANDARD

No deviation.

3.3.5 TEST SETUP



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

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

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

3.3.6 EUT OPERATING CONDITIONS

Same as 3.1.6.



3.3.7 TEST RESULTS

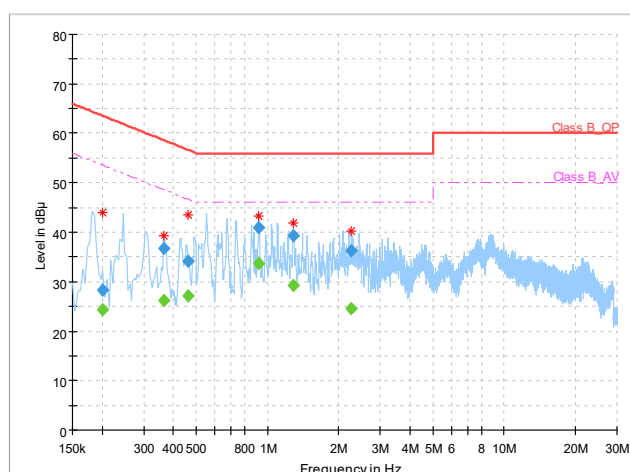
CONDUCTED WORST-CASE DATA :

Frequency Range	150KHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120Vac, 60Hz	Environmental Conditions	26deg. C, 51%RH
Tested By	Carl xie		

Frequency (MHz)	QuasiPeak (dB μ V)	CAverage (dB μ V)	Limit (dB μ V)	Margin (dB)	Line	Filter	Corr. (dB)
0.200000	---	24.31	53.61	29.30	L1	ON	9.7
0.200000	28.40	---	63.61	35.21	L1	ON	9.7
0.364000	---	26.21	48.64	22.43	L1	ON	9.7
0.364000	36.76	---	58.64	21.88	L1	ON	9.7
0.460000	---	27.14	46.69	19.55	L1	ON	9.7
0.460000	34.19	---	56.69	22.50	L1	ON	9.7
0.920000	---	33.69	46.00	12.31	L1	ON	9.7
0.920000	41.05	---	56.00	14.95	L1	ON	9.7
1.288000	---	29.18	46.00	16.82	L1	ON	9.7
1.288000	39.38	---	56.00	16.62	L1	ON	9.7
2.264000	---	24.52	46.00	21.48	L1	ON	9.7
2.264000	36.32	---	56.00	19.68	L1	ON	9.7

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value = Limit value - Emission level
 5. Correction factor = Insertion loss + Cable loss
 6. Emission Level = Correction Factor + Reading Value.

Full Spectrum



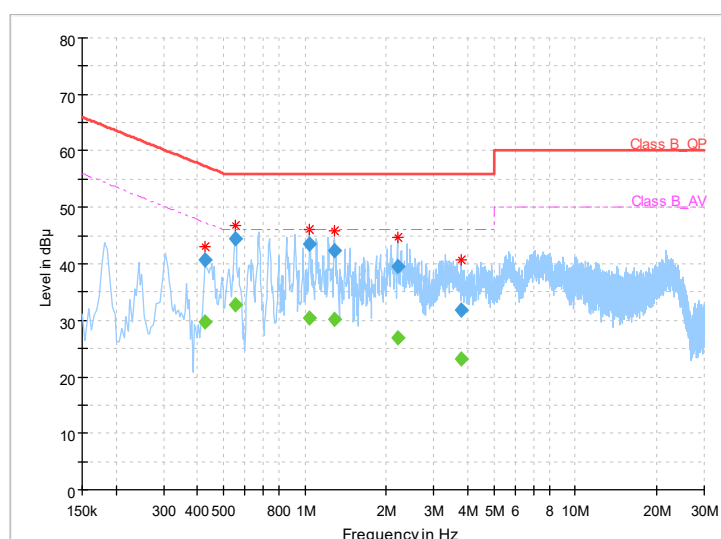


Frequency Range	150KHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120Vac, 60Hz	Environmental Conditions	26deg. C, 51%RH
Tested By	Carl xie		

Frequency (MHz)	QuasiPeak (dB μ V)	CAverage (dB μ V)	Limit (dB μ V)	Margin (dB)	Line	Filter	Corr. (dB)
0.428000	---	29.79	47.29	17.50	N	ON	9.7
0.428000	40.72	---	57.29	16.57	N	ON	9.7
0.552000	---	32.82	46.00	13.18	N	ON	9.7
0.552000	44.43	---	56.00	11.57	N	ON	9.7
1.040000	---	30.51	46.00	15.49	N	ON	9.8
1.040000	43.53	---	56.00	12.47	N	ON	9.8
1.288000	---	30.07	46.00	15.93	N	ON	9.8
1.288000	42.45	---	56.00	13.55	N	ON	9.8
2.200000	---	26.82	46.00	19.18	N	ON	9.8
2.200000	39.46	---	56.00	16.54	N	ON	9.8
3.796000	---	23.23	46.00	22.77	N	ON	9.8
3.796000	31.71	---	56.00	24.29	N	ON	9.8

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value = Limit value - Emission level
 5. Correction factor = Insertion loss + Cable loss
 6. Emission Level = Correction Factor + Reading Value.

Full Spectrum





3.4 MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

3.4.1 LIMITS OF MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

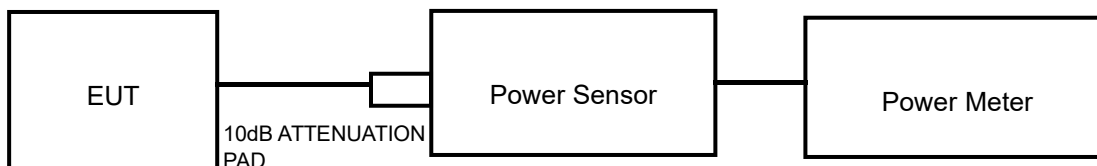
Operation Band	EUT Category		LIMIT
U-NII-1		Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p $\leq$ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
		Fixed point-to-point Access Point	1 Watt (30 dBm)
		Indoor Access Point	1 Watt (30 dBm)
	√	Client devices	250mW (24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

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

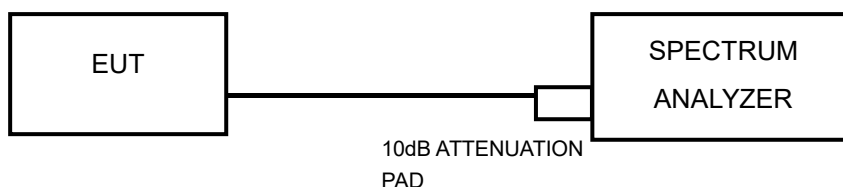
3.4.2 TEST SETUP

FOR POWER OUTPUT MEASUREMENT

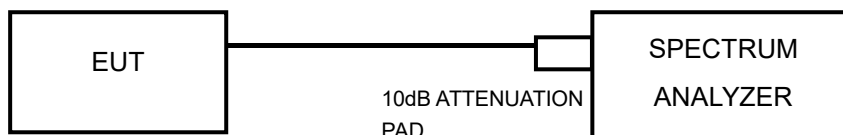
802.11a, 802.11n (20MHz), 802.11n (40MHz) TEST CONFIGURATION



11ac TEST CONFIGURATION



FOR 26dB BANDWIDTH



3.4.3 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Power Meter	ANRITSU	ML2495A	1506002	Feb. 25,21	Feb. 24,22
EXA Signal Analyzer	KEYSIGHT	N9010A-526	MY54510322	Apr. 26,21	Apr. 25,22
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	Feb. 25,21	Feb. 24,22
Power Sensor	ANRITSU	MA2411B	1339352	Feb. 25,21	Feb. 24,22

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 RF Oven room.

3.4.4 TEST PROCEDURE

FOR POWER MEASUREMENT

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

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

For 802.11ac (80MHz)

1. Measure the duty cycle, x , of the transmitter output signal as described in II.B.
2. Set span to encompass the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal.
3. Set RBW = 1 MHz.
4. Set VBW $\geq$ 3 MHz.
5. Number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$. (This ensures that bin-to-bin spacing is $\leq \text{RBW}/2$, so that narrowband signals are not lost between frequency bins.)
6. Sweep time = auto.
7. Detector = power averaging (rms), if available. Otherwise, use sample detector mode.
8. Do not use sweep triggering. Allow the sweep to "free run."
9. Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed to ensure that the average accurately represents the true average over the on and off periods of the transmitter.
10. Add $10 \log (1/x)$, where x is the duty cycle, to the measured power to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add $10 \log (1/0.25) = 6 \text{ dB}$ if the duty cycle is 25%.

FOR 99 PERCENT OCCUPIED BANDWIDTH

The following procedure shall be used for measuring (99 %) power bandwidth:

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set VBW $\geq 3 \cdot$ RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

FOR 26dB BANDWIDTH

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

FOR 6dB BANDWIDTH

1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) ≥ 3 RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.



3.4.5 DEVIATION FROM TEST STANDARD

No deviation.

3.4.6 EUT OPERATING CONDITIONS

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



Test Report No.: W7L-P21100018-2RF03

3.4.7 TEST RESULTS

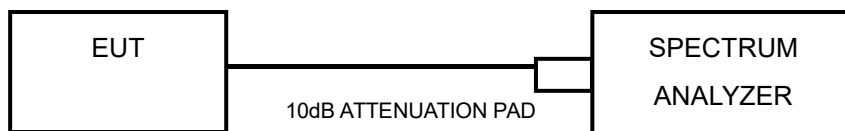
Please Refer to Appendix Of this test report.

3.5 MAXIMUM POWER SPECTRAL DENSITY MEASUREMENT

3.5.1 LIMITS OF MAXIMUM POWER SPECTRAL DENSITY MEASUREMENT

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

3.5.2 TEST SETUP



3.5.3 TEST INSTRUMENTS

Refer to section 3.3.3 to get information of above instrument.

3.5.4 TEST PROCEDURES

Using method SA-2

- 1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 2) Set RBW = 1 MHz, Set VBW $\geq$ 3 MHz, Detector = RMS
- 3) Set Channel power measure = 1MHz
- 4) Sweep time = auto, trigger set to "free run".
- 5) Trace average at least 100 traces in power averaging mode.
- 6) Add $10 \log (1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission).
- 7) Record the max value

3.5.5 DEVIATION FROM TEST STANDARD

No deviation.

3.5.6 EUT OPERATING CONDITIONS

Same as 3.1.6.



Test Report No.: W7L-P21100018-2RF03

3.5.7 TEST RESULTS

Please Refer to Appendix Of this test report.

4 PHOTOGRAPHS OF THE TEST CONFIGURATION

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



Test Report No.: W7L-P21100018-2RF03

5 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

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



6 Appendix

EMISSION BANDWIDTH

TEST RESULT

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	29.040	5167.080	5196.120	---	PASS
		5200	27.520	5186.520	5214.040	---	PASS
		5240	27.040	5227.120	5254.160	---	PASS
		5260	29.760	5245.960	5275.720	---	PASS
		5300	31.320	5284.320	5315.640	---	PASS
		5320	31.120	5303.920	5335.040	---	PASS
		5500	30.320	5484.600	5514.920	---	PASS
		5580	27.920	5566.160	5594.080	---	PASS
		5700	30.000	5684.760	5714.760	---	PASS
		5745	29.880	5730.600	5760.480	---	PASS
		5785	31.200	5769.360	5800.560	---	PASS
		5825	33.120	5808.880	5842.000	---	PASS
11N20SISO	Ant1	5180	30.680	5164.160	5194.840	---	PASS
		5200	33.280	5184.120	5217.400	---	PASS
		5240	30.160	5225.120	5255.280	---	PASS
		5260	27.600	5245.920	5273.520	---	PASS
		5300	31.480	5285.080	5316.560	---	PASS
		5320	28.280	5305.960	5334.240	---	PASS
		5500	37.000	5481.880	5518.880	---	PASS
		5580	29.840	5566.720	5596.560	---	PASS
		5700	30.440	5684.080	5714.520	---	PASS
		5745	31.800	5728.400	5760.200	---	PASS
		5785	29.920	5770.440	5800.360	---	PASS
		5825	34.040	5806.880	5840.920	---	PASS
11N40SISO	Ant1	5190	57.360	5166.800	5224.160	---	PASS
		5230	63.680	5200.640	5264.320	---	PASS
		5270	50.080	5246.000	5296.080	---	PASS
		5310	50.640	5285.040	5335.680	---	PASS
		5510	62.480	5479.600	5542.080	---	PASS
		5550	53.440	5525.280	5578.720	---	PASS
		5670	59.680	5640.960	5700.640	---	PASS



		5755	59.600	5725.080	5784.680	---	PASS
		5795	62.400	5763.480	5825.880	---	PASS
11AC20SISO	Ant1	5180	31.720	5164.200	5195.920	---	PASS
		5200	30.400	5186.240	5216.640	---	PASS
		5240	33.600	5223.200	5256.800	---	PASS
		5260	34.720	5243.360	5278.080	---	PASS
		5300	32.040	5285.560	5317.600	---	PASS
		5320	30.280	5305.280	5335.560	---	PASS
		5500	33.600	5483.360	5516.960	---	PASS
		5580	30.040	5565.760	5595.800	---	PASS
		5700	30.520	5684.880	5715.400	---	PASS
		5745	31.560	5729.480	5761.040	---	PASS
		5785	31.680	5769.240	5800.920	---	PASS
		5825	34.760	5809.520	5844.280	---	PASS
11AC40SISO	Ant1	5190	50.400	5164.480	5214.880	---	PASS
		5230	42.560	5208.880	5251.440	---	PASS
		5270	40.240	5249.600	5289.840	---	PASS
		5310	41.440	5290.160	5331.600	---	PASS
		5510	44.560	5487.360	5531.920	---	PASS
		5550	40.400	5530.160	5570.560	---	PASS
		5670	39.760	5650.080	5689.840	---	PASS
		5755	41.200	5734.120	5775.320	---	PASS
		5795	40.720	5774.120	5814.840	---	PASS
11AC80SISO	Ant1	5210	85.440	5166.640	5252.080	---	PASS
		5290	94.400	5245.200	5339.600	---	PASS
		5530	83.200	5488.880	5572.080	---	PASS
		5610	82.240	5569.680	5651.920	---	PASS
		5775	84.640	5733.400	5818.040	---	PASS



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VERITAS

Test Report No.: W7L-P21100018-2RF03

TEST GRAPHS

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



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VERITAS

Test Report No.: W7L-P21100018-2RF03



11A_Ant1_5260

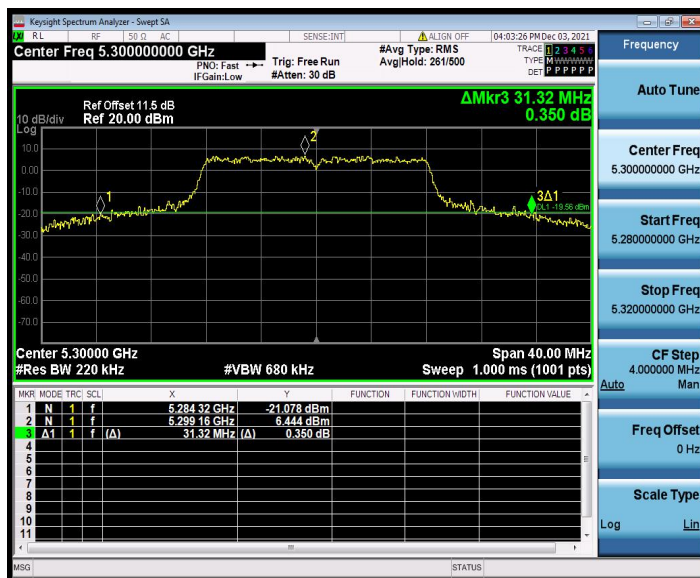


11A_Ant1_5300

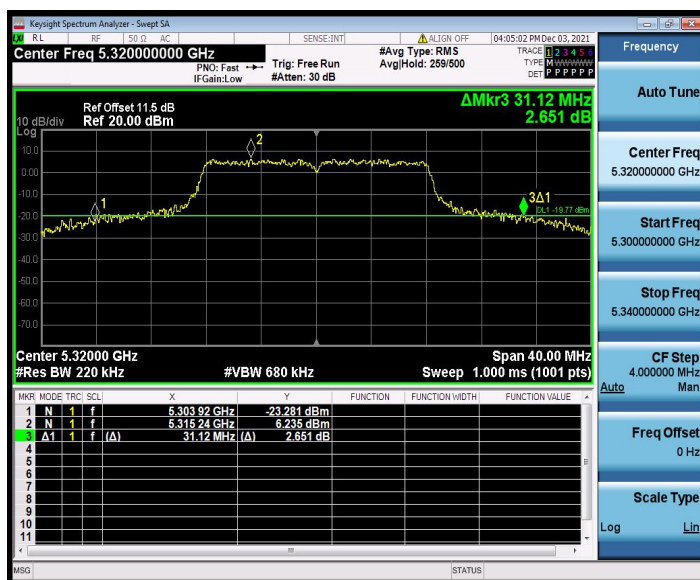


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VERITAS

Test Report No.: W7L-P21100018-2RF03



11A_Ant1_5320



11A_Ant1_5500





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VERITAS

Test Report No.: W7L-P21100018-2RF03



11A_Ant1_5745



11A_Ant1_5785

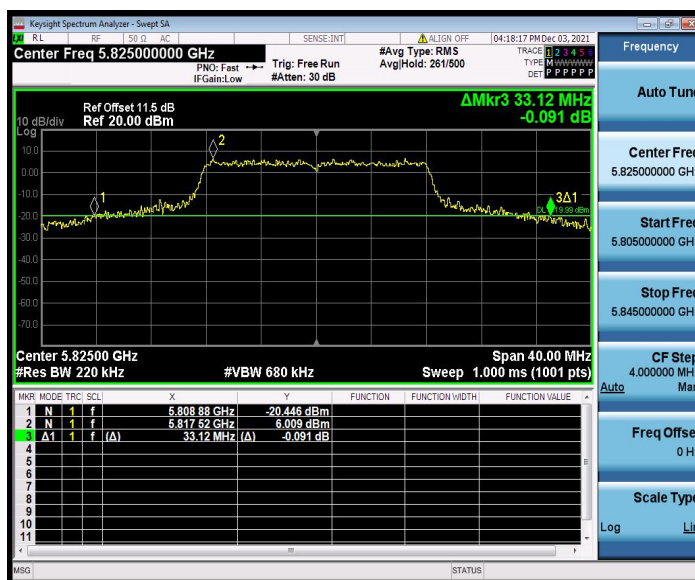


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VERITAS

Test Report No.: W7L-P21100018-2RF03



11A_Ant1_5825



11N20SISO_Ant1_5180

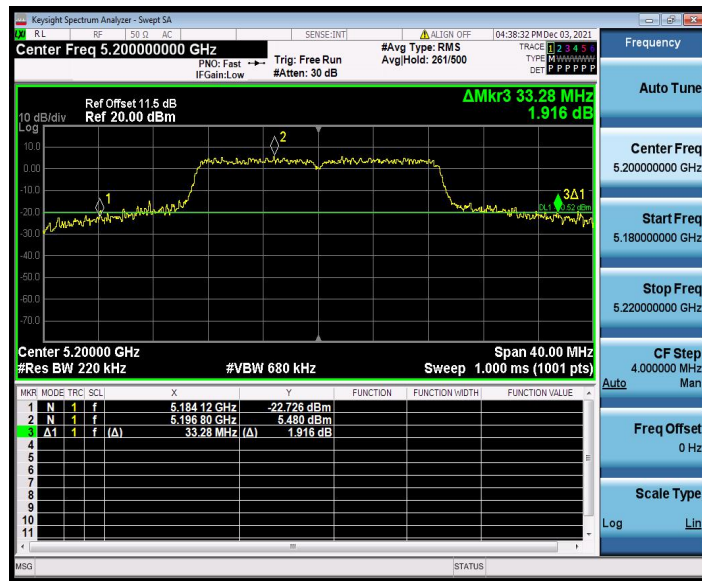


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Test Report No.: W7L-P21100018-2RF03



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



BUREAU
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Test Report No.: W7L-P21100018-2RF03



11N20SISO_Ant1_5260



11N20SISO_Ant1_5300



BUREAU
VERITAS

Test Report No.: W7L-P21100018-2RF03



11N20SISO_Ant1_5320



11N20SISO_Ant1_5500



Test Report No.: W7L-P21100018-2RF03



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



BUREAU
VERITAS

Test Report No.: W7L-P21100018-2RF03



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785