FCC TEST REPORT

(Part 15, Subpart E)

Applicant:	i.safe MOBILE GmbH
Address:	i_Park Tauberfranken 10 97922 Lauda-Koenigshofen Germany

Manufacturer or Supplier:	i.safe MOBILE GmbH
Address:	i_Park Tauberfranken 10 97922 Lauda-Koenigshofen Germany
Product:	Tablet
Brand Name:	i.safe MOBILE
Model Name	M940A01
Marketing Name:	IS940.1, IS940.M1, IS940.2, IS940.RG
FCC ID:	2AACZ-M940A01
Date of tests:	Jun. 05, 2024 ~ Jul. 17, 2024

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
Simon Wang Date: Jul. 17, 2024	Luke Lu Date: Jul. 17, 2024

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
W7L-P24050018RF03	Original release	Jul. 17, 2024

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)(9)	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
15.407(a)(2)(12)	26 dB Bandwidth	Compliance
15.407(e)	6 dB Bandwidth	Compliance
15.203	Antenna Requirement	Compliance

NOTE:

1. Except the data of RSE and Band Edge Measurement, other data please refer to Appendix C.
2. Preliminary Investigation scans were completed to compare Full RU Tone modes and Single User Tone modes. It was found that SU modes were the worst case over Full RU-Tone mode in every instance, and the physical waveforms of SU mode and FULL RU-Tone are the same, and both FULL RU-Tone mode have lower power than SU mode. Therefore, only SU mode was report as it is representative of Full RU-Tone worst case scenario.
3. RLAN 5G supports SISO&MIMO mode，the whole testing has assessed the MIMO mode by referring to their maximum conducted power.
4. For 802.11n HT20/ ac VHT20 and 802.11n HT40 / ac VHT40 mode, the whole testing is assessed only 802.11n HT20/ HT40 by referring to their higher conducted power.
5. Only the worse data was reported.

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 (9KHz~30MHz)	±2.68dB
Radiated emissions (30MHz~1GHz)	±4.98dB
Radiated emissions (1GHz ~6GHz)	±4.70dB
Radiated emissions (6GHz ~18GHz)	±4.60dB
Radiated emissions (18GHz ~40GHz)	±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	Tablet
BRAND NAME	i.safe MOBILE
MODEL NAME	M940A01
MARKETING NAME	IS940.1, IS940.M1, IS940.2, IS940.RG
NOMINAL VOLTAGE	5Vdc (adapter or host equipment) 3.7Vdc (Li-ion, battery)
MODULATION	OFDM, OFDMA
TRANSFER RATE	802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 300.0Mbps 802.11ac: up to 1732Mbps 802.11ax: up to 2402Mbps
OPERATING FREQUENCY	5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~ 5720MHz, 5745 ~ 5825MHz
NUMBER OF CHANNEL	5180 ~ 5240MHz: 4 for 802.11a, 802.11n/ac/ax (20MHz)/ 802.11ax(20M RU 242) 2 for 802.11n/ac/ax (40MHz)/ 802.11ax(40M RU 484) 1 for 802.11ac/ax (80MHz)/ 802.11ax(80M RU996) 5260 ~ 5320MHz: 4 for 802.11a, 802.11n/ac/ax (20MHz)/ 802.11ax(20M RU 242) 2 for 802.11n/ac/ax (40MHz)/ 802.11ax(40M RU 484) 1 for 802.11ac/ax (80MHz)/ 802.11ax(80M RU 996) 5500 ~ 5720MHz: 12 for 802.11a, 802.11n/ac/ax (20MHz)/ 802.11ax(20M RU 242) 6 for 802.11n/ac/ax (40MHz)/ 802.11ax(40M RU 484) 3 for 802.11ac/ax (80MHz)/ 802.11ax(80M RU 996) 5745 ~ 5825MHz: 5 for 802.11a, 802.11n/ac/ax (20MHz)/ 802.11ax(20M RU 242) 2 for 802.11n/ac/ax (40MHz)/ 802.11ax(40M RU 484) 1 for 802.11ac/ax (80MHz)/ 802.11ax(80MRU 996)
MAX. OUTPUT POWER	30.41mW for 5180 ~ 5240MHz

	32.21mW for 5260 ~ 5320MHz 35.16mW for 5500 ~ 5720MHz 35.81mW for 5745 ~ 5825MHz
ANTENNA TYPE	PIFA Antenna
ANTENNA GAIN	ANT 8: -0.7dBi for 5180 ~ 5240MHz -0.7dBi for 5260 ~ 5320MHz -0.7dBi for 5500 ~ 5720MHz -0.7dBi for 5745 ~ 5825MHz ANT 9: 0.7dBi for 5180 ~ 5240MHz 0.7dBi for 5260 ~ 5320MHz 0.7dBi for 5500 ~ 5720MHz 0.7dBi for 5745 ~ 5825MHz
HW VERSION	V05
SW VERSION	IS940_ROW_00.00_2_20240605
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	USB cable: with shielded cable, w/o ferrite core, 1.0 meter

NOTE:

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

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

MODULATION MODE	TX FUNCTION
802.11a	2TX/2RX
802.11n/802.11ac/ax (20MHz)	2TX/2RX
802.11n/802.11ac/ax (40MHz)	2TX/2RX
802.11ac/ax (80MHz)	2TX/2RX
802.11ax (20MHz RU 242)	2TX/2RX
802.11ax (40MHz RU 484)	2TX/2RX
802.11ax (80MHz RU 996)	2TX/2RX

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

4. Antenna gain and EUT conducted cable loss are provided by the customer, and the laboratory will record the results based on these items that involve these two parameters.

5. EUT only supports full RU, and the SU power is greater than RU, so RU mode is overwritten with SU test.

6. **List of Accessory:**

ACCESSORIES	BRAND	MANUFACTURER	MODEL	SPECIFICATION
AC Adapter	N/A	SHENZHEN SHI YINGYUAN POWER SUPPLY TECHNOLOGY CO., LTD.	ICP12-050-2000B	I/P: 100-240Vac, 0.5A, O/P: 5Vdc, 2A
Battery	N/A	BMZ Company Limited	MBP940AA01	Capacity：3.7Vdc, 8160mAh
USB Cable	N/A	Winpower Technology Co., LTD	PROTECTOR 2.0	Signal Line,1.0meter

2.2 DESCRIPTION OF TEST MODES

FOR 5180 ~ 5240MHz

4 channels are provided for 802.11a, 802.11n, 802.11ac/ax (20MHz)/ 802.11ax (20MHz RU 242):

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/ax (40MHz)/ 802.11ax (40MHz RU 484):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
38	5190 MHz	46	5230 MHz

1 channel is provided for 802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
42	5210 MHz		

FOR 5260 ~ 5320MHz

4 channels are provided for 802.11a, 802.11n, 802.11ac/ax (20MHz)/ 802.11ax (20MHz RU 242):

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/ax (40MHz)/ 802.11ax (40MHz RU 484):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
54	5270 MHz	62	5310 MHz

1 channel is provided for 802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
58	5290 MHz		

FOR 5500 ~ 5720MHz

12 channels are provided for 802.11a, 802.11n, 802.11ac/ax (20MHz)/ 802.11ax (20MHz RU 242):

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	144	5720 MHz

6 channels are provided for 802.11n, 802.11ac/ax (40MHz)/ 802.11ax (40MHz RU 484):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
102	5510 MHz	126	5630MHz
110	5550 MHz	134	5670 MHz
118	5590 MHz	142	5710 MHz

3 channel is provided for 802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
106	5530 MHz	122	5610 MHz
138	5690 MHz		

FOR 5745 ~ 5825MHz

5 channels are provided for 802.11a, 802.11n, 802.11ac/ax (20MHz)/ 802.11ax (20MHz RU 242):

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

3 channels are provided for 802.11n, 802.11ac/ax (40MHz)/ 802.11ax (40MHz RU 484):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
142	5710 MHz	159	5795 MHz
151	5755 MHz		

2 channel is provided for 802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
138	5690 MHz	155	5775 MHz

2.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

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

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

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

RADIATED EMISSION TEST (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).
☒ The 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	802.11ax (80MHz)	5500-5720	106 to 138	106	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).

☒ The 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/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		36 to 48	36, 40, 48	OFDM, OFDMA	MCS0
A	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		38 to 46	38, 46	OFDM, OFDMA	MCS0
A	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		42	42	OFDM, OFDMA	MCS0
A	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	6.0
A	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		52 to 64	52, 60, 64	OFDM, OFDMA	MCS0
A	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		54 to 62	54, 62	OFDM, OFDMA	MCS0
A	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		58	58	OFDM, OFDMA	MCS0
A	802.11a	5500-5720	100 to 144	100, 116, 140, 144	OFDM	6.0
A	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		100 to 144	100, 116, 140, 144	OFDM, OFDMA	MCS0
A	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		102 to 142	102, 110, 134,142	OFDM, OFDMA	MCS0
A	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		106 to 138	106, 122, 138	OFDM, OFDMA	MCS0
A	802.11a	5745-5825	149 to 165	149, 157,165	OFDM	6.0
A	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		149 to 165	149, 157,165	OFDM, OFDMA	MCS0
A	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		151 to 159	151, 159	OFDM, OFDMA	MCS0
A	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		155	155	OFDM, OFDMA	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).

☒ The 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	802.11ax (80MHz)	5500-5720	106 to 138	106	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).

☒ The 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/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		36 to 48	36, 40, 48	OFDM, OFDMA	MCS0
A	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		38 to 46	38, 46	OFDM, OFDMA	MCS0
A	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		42	42	OFDM, OFDMA	MCS0
A	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	6.0
A	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		52 to 64	52, 60, 64	OFDM, OFDMA	MCS0
A	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		54 to 62	54, 62	OFDM, OFDMA	MCS0
A	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		58	58	OFDM, OFDMA	MCS0
A	802.11a	5500-5720	100 to 144	100, 116, 140, 144	OFDM	6.0
A	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		100 to 144	100, 116, 140, 144	OFDM, OFDMA	MCS0
A	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		102 to 142	102, 110, 134,142	OFDM, OFDMA	MCS0
A	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU		106 to 138	106, 122, 138	OFDM, OFDMA	MCS0

	996)					
A	802.11a	5745-5825	149 to 165	149, 157,165	OFDM	6.0
A	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		149 to 165	149, 157,165	OFDM, OFDMA	MCS0
A	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		151 to 159	151, 159	OFDM, OFDMA	MCS0
A	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		155	155	OFDM, OFDMA	MCS0

ANTENNA PORT CONDUCTED MEASUREMENT:

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

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

☒ Only the power test item is tested for the FULL RU(802.11ax RU 242/484/996/2*996), the remaining test items are configured as follows.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
B	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	6.0
B	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		36 to 48	36, 40, 48	OFDM, OFDMA	MCS0
B	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		38 to 46	38, 46	OFDM, OFDMA	MCS0
B	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		42	42	OFDM, OFDMA	MCS0
B	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	6.0
B	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		52 to 64	52, 60, 64	OFDM, OFDMA	MCS0
B	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		54 to 62	54, 62	OFDM, OFDMA	MCS0
B	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		58	58	OFDM, OFDMA	MCS0
B	802.11a	5500-5720	100 to 144	100, 116, 140, 144	OFDM	6.0
B	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		100 to 144	100, 116, 140, 144	OFDM, OFDMA	MCS0

B	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		102 to 142	102, 110, 134,142	OFDM, OFDMA	MCS0
B	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		106 to 138	106, 122, 138	OFDM, OFDMA	MCS0
B	802.11a	5745-5825	149 to 165	149, 157,165	OFDM	6.0
B	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		149 to 165	149, 157,165	OFDM, OFDMA	MCS0
B	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		151 to 159	151, 159	OFDM, OFDMA	MCS0
B	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		155	155	OFDM, OFDMA	MCS0

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE<1G	23deg. C, 70%RH	DC 5V By Adapter	Jace Hu
RE≥1G	23deg. C, 70%RH	DC 5V By Adapter	Jace Hu
PLC	25deg. C, 52%RH	DC 5V By Adapter	James Fu
APCM	25deg. C, 60%RH	DC 3.7V By Battery	James Fu

2.3 DUTY CYCLE OF TEST SIGNAL

Please Refer to Appendix C.

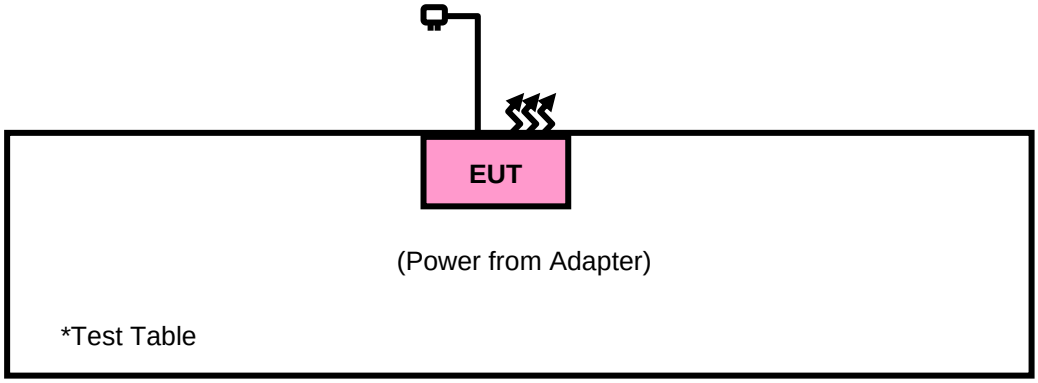
2.4 DESCRIPTION OF SUPPORT UNITS

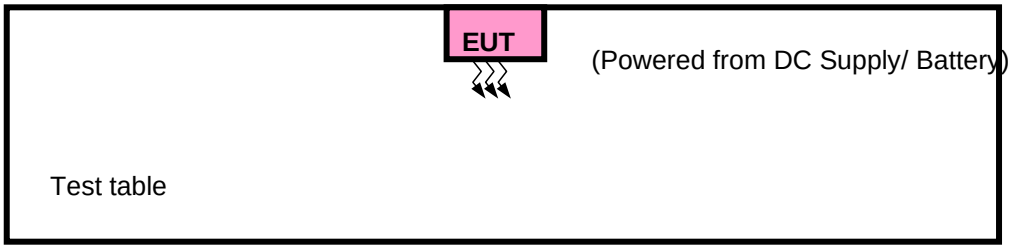
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

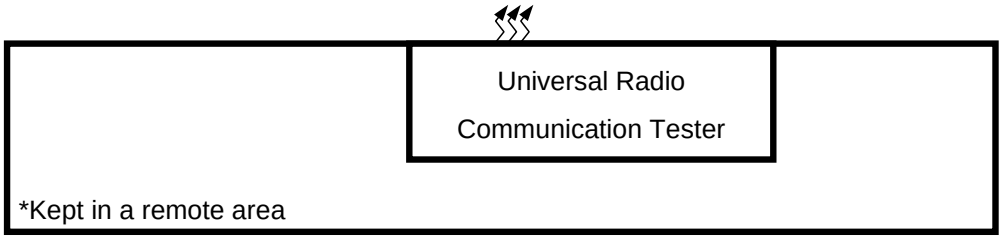
NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Desktop	Lenovo	M73 SFF	PC04GRQV	N/A
2	Desktop	Lenovo	M73 SFF	PC06CS27	N/A
3	Laptop	Lenovo	ThinkpadL440	R90FTFKN	N/A
4	DC source	Kikusui/JP	PMX18-5A	0000001	N/A

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
4	DC Line: Unshielded, Detachable 1.0m

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 C63.10-2020

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

	APPLICABLE TO	LIMIT	
RESTRICTED BANDS	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 : 68.2
	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:

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

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	Nov. 14,23	Nov. 13,26
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Feb. 18,24	Feb. 17,25
Horn Antenna	ETS-LINDGREN	3117	00168692	Feb. 18,24	Feb. 17,25
Horn Antenna (18GHz-40GHz)	N/A	QWH-SL-18-40-K-SG/QMS-00361	15433	Sep.04, 23	Sep.03, 24
Test Software	E3	V 9.160323	N/A	N/A	N/A
Test Software	JS1120-3	3.2.06	N/A	N/A	N/A
10dB Attenuator	JFW/USA	50HF-010-SMA	N/A	May. 06,24	May. 05,25
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Mar. 28,24	Mar. 27,25
Signal Pre-Amplifier	EMSI	EMC 9135	980249	May. 06,24	May. 05,25
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	May.10,24	May.09,25
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Feb. 17,24	Feb. 16,25
DC Source	Kikusui/JP	PMX18-5A	0000001	Aug. 12,23	Aug. 11,24
Power Meter	Anritsu	ML2495A	1506002	Feb. 14,24	Feb. 13,25
Power Sensor	Anritsu	MA2411B	1339352	Feb. 14,24	Feb. 13,25
Loop Antenna	Schwarzbeck	FMZB 1519B	00173	Sep.03,23	Sep.02,24

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:

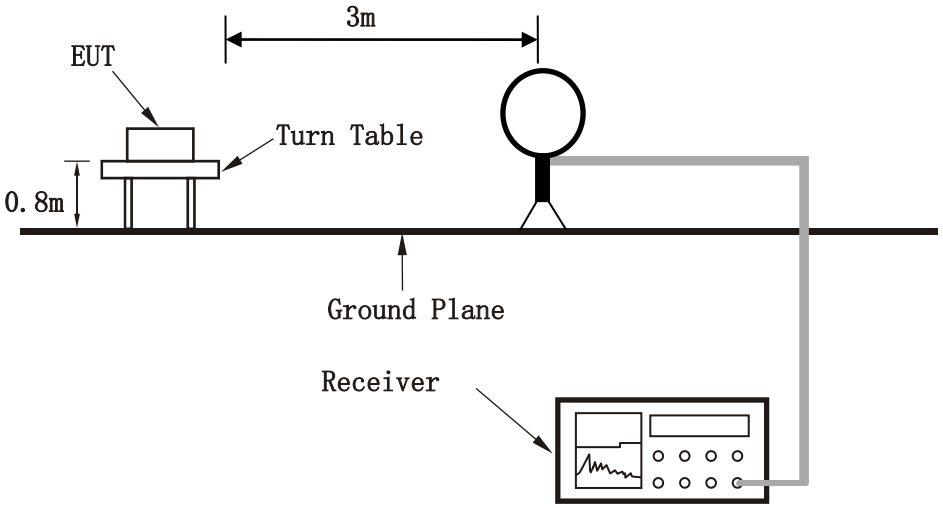
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency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

3.1.5 DEVIATION FROM TEST STANDARD

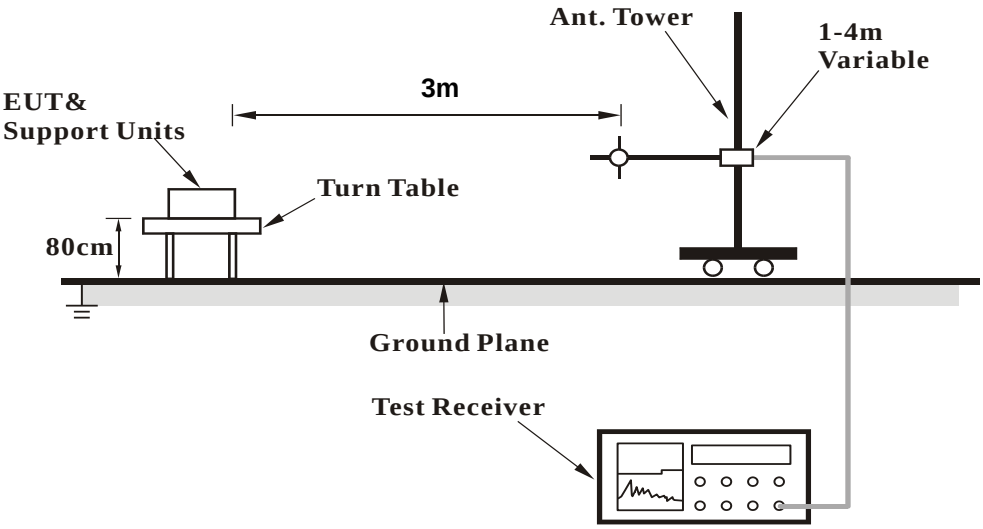
No deviation.

3.1.6 TEST SETUP

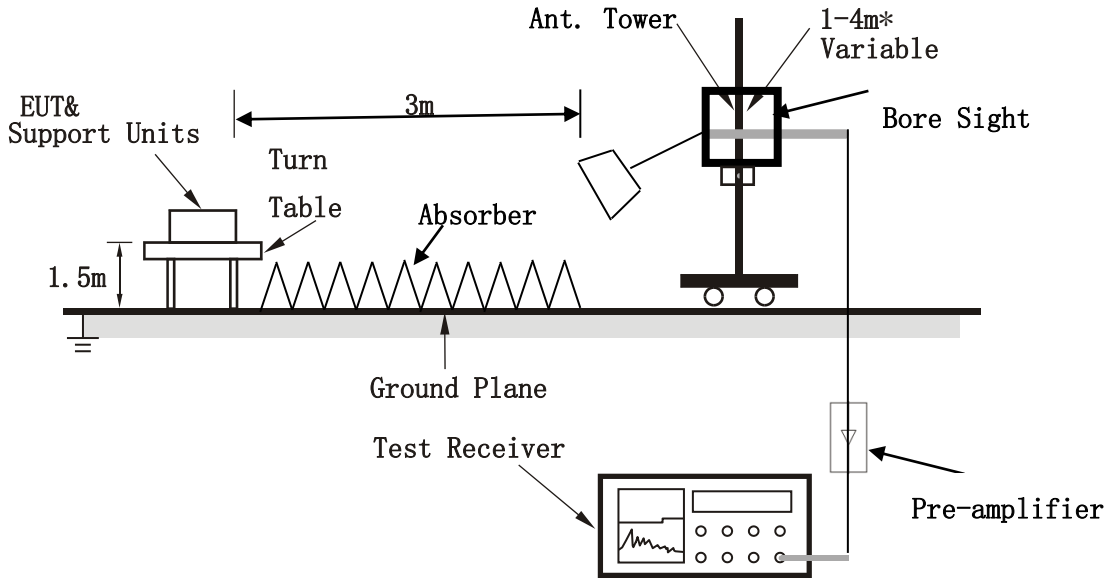
<Frequency Range 9KHz~30MHz >



< 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

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

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

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

3.1.8 TEST RESULTS

NOTE ： The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

30 MHz – 1GHz data:

Band 3

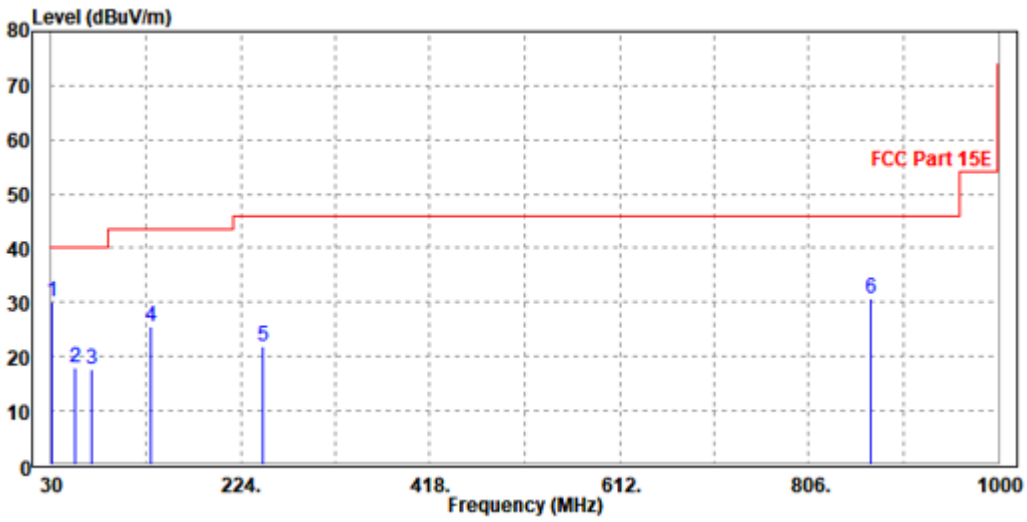
802.11ax (80MHz):

CHANNEL	TX Channel 106	**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
31.940	28.63	41.76	40.00	-11.37	24.13	0.16	37.42	100	360	Peak
54.250	30.19	54.08	40.00	-9.81	13.18	0.29	37.36	100	360	Peak
174.530	26.90	46.96	43.50	-16.60	15.75	0.83	36.64	100	360	Peak
248.250	34.72	51.73	46.00	-11.28	18.43	1.14	36.58	100	360	Peak
313.240	32.74	49.00	46.00	-13.26	19.00	1.35	36.61	100	360	Peak
869.050	31.22	36.92	46.00	-14.78	29.20	2.72	37.62	100	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.

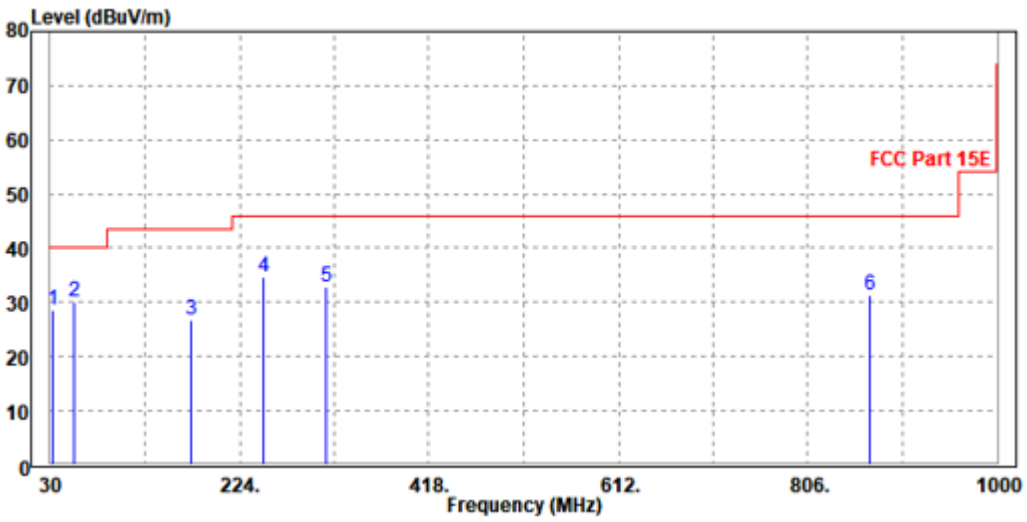


CHANNEL	Channel 106	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		

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
30.970	30.00	42.68	40.00	-10.00	24.61	0.14	37.43	100	0	Peak
55.220	17.89	41.41	40.00	-22.11	13.55	0.30	37.37	100	0	Peak
70.740	17.57	41.27	40.00	-22.43	13.23	0.38	37.31	100	0	Peak
131.850	25.43	47.92	43.50	-18.07	13.60	0.69	36.78	100	0	Peak
246.310	21.83	38.92	46.00	-24.17	18.35	1.14	36.58	100	0	Peak
869.050	30.64	36.34	46.00	-15.36	29.20	2.72	37.62	100	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) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.40	54.62	74.00	-20.60	34.20	11.17	46.59	100	185	Peak
5150	45.02	46.24	54.00	-8.98	34.20	11.17	46.59	100	185	Average
5180	103.10	104.23	/	/	34.26	11.20	46.59	100	185	Peak
5180	93.95	95.08	/	/	34.26	11.20	46.59	100	185	Average
5350	52.31	53.16	74.00	-21.69	34.30	11.39	46.54	100	185	Peak
5350	45.11	45.96	54.00	-8.89	34.30	11.39	46.54	100	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	53.36	54.78	74.00	-20.64	34.00	11.17	46.59	100	90	Peak
5150	45.32	46.74	54.00	-8.68	34.00	11.17	46.59	100	90	Average
5180	102.69	104.14	/	/	33.94	11.20	46.59	100	90	Peak
5180	94.93	96.38	/	/	33.94	11.20	46.59	100	90	Average
5350	54.20	54.55	74.00	-19.80	34.80	11.39	46.54	100	90	Peak
5350	45.61	45.96	54.00	-8.39	34.80	11.39	46.54	100	90	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	52.63	53.85	74.00	-21.37	34.20	11.17	46.59	100	185	Peak
5150	44.97	46.19	54.00	-9.03	34.20	11.17	46.59	100	185	Average
5200	103.14	104.20	/	/	34.30	11.22	46.58	100	185	Peak
5200	94.30	95.36	/	/	34.30	11.22	46.58	100	185	Average
5350	51.80	52.65	74.00	-22.20	34.30	11.39	46.54	100	185	Peak
5350	45.44	46.29	54.00	-8.56	34.30	11.39	46.54	100	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	52.22	53.64	74.00	-21.78	34.00	11.17	46.59	100	90	Peak
5150	44.95	46.37	54.00	-9.05	34.00	11.17	46.59	100	90	Average
5200	103.50	104.96	/	/	33.90	11.22	46.58	100	90	Peak
5200	96.43	97.89	/	/	33.90	11.22	46.58	100	90	Average
5350	53.29	53.64	74.00	-20.71	34.80	11.39	46.54	100	90	Peak
5350	45.84	46.19	54.00	-8.16	34.80	11.39	46.54	100	90	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	52.40	53.62	74.00	-21.60	34.20	11.17	46.59	100	185	Peak
5150	45.15	46.37	54.00	-8.85	34.20	11.17	46.59	100	185	Average
5240	103.52	104.36	/	/	34.46	11.27	46.57	100	185	Peak
5240	94.57	95.41	/	/	34.46	11.27	46.57	100	185	Average
5350	53.61	54.46	74.00	-20.39	34.30	11.39	46.54	100	185	Peak
5350	45.97	46.82	54.00	-8.03	34.30	11.39	46.54	100	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	51.54	52.96	74.00	-22.46	34.00	11.17	46.59	100	90	Peak
5150	44.63	46.05	54.00	-9.37	34.00	11.17	46.59	100	90	Average
5240	104.29	105.61	/	/	33.98	11.27	46.57	100	90	Peak
5240	94.92	96.24	/	/	33.98	11.27	46.57	100	90	Average
5350	54.43	54.78	74.00	-19.57	34.80	11.39	46.54	100	90	Peak
5350	47.11	47.46	54.00	-6.89	34.80	11.39	46.54	100	90	Average

REMARKS:

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

802.11n (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.39	53.61	74.00	-21.61	34.20	11.17	46.59	100	185	Peak
5150	45.16	46.38	54.00	-8.84	34.20	11.17	46.59	100	185	Average
5180	99.84	100.97	/	/	34.26	11.20	46.59	100	185	Peak
5180	89.33	90.46	/	/	34.26	11.20	46.59	100	185	Average
5350	52.60	53.45	74.00	-21.40	34.30	11.39	46.54	100	185	Peak
5350	45.00	45.85	54.00	-9.00	34.30	11.39	46.54	100	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	54.43	55.85	74.00	-19.57	34.00	11.17	46.59	100	90	Peak
5150	45.28	46.70	54.00	-8.72	34.00	11.17	46.59	100	90	Average
5180	100.03	101.48	/	/	33.94	11.20	46.59	100	90	Peak
5180	91.30	92.75	/	/	33.94	11.20	46.59	100	90	Average
5350	52.92	53.27	74.00	-21.08	34.80	11.39	46.54	100	90	Peak
5350	45.22	45.57	54.00	-8.78	34.80	11.39	46.54	100	90	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	53.86	55.08	74.00	-20.14	34.20	11.17	46.59	100	165	Peak
5150	45.62	46.84	54.00	-8.38	34.20	11.17	46.59	100	165	Average
5200	100.35	101.41	/	/	34.30	11.22	46.58	100	165	Peak
5200	89.98	91.04	/	/	34.30	11.22	46.58	100	165	Average
5350	53.10	53.95	74.00	-20.90	34.30	11.39	46.54	100	165	Peak
5350	45.64	46.49	54.00	-8.36	34.30	11.39	46.54	100	165	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	55.03	56.45	74.00	-18.97	34.00	11.17	46.59	100	85	Peak
5150	45.40	46.82	54.00	-8.60	34.00	11.17	46.59	100	85	Average
5200	100.59	102.05	/	/	33.90	11.22	46.58	100	85	Peak
5200	90.75	92.21	/	/	33.90	11.22	46.58	100	85	Average
5350	54.20	54.55	74.00	-19.80	34.80	11.39	46.54	100	85	Peak
5350	46.20	46.55	54.00	-7.80	34.80	11.39	46.54	100	85	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	51.72	52.94	74.00	-22.28	34.20	11.17	46.59	100	165	Peak
5150	45.30	46.52	54.00	-8.70	34.20	11.17	46.59	100	165	Average
5240	99.72	100.56	/	/	34.46	11.27	46.57	100	165	Peak
5240	91.29	92.13	/	/	34.46	11.27	46.57	100	165	Average
5350	52.63	53.48	74.00	-21.37	34.30	11.39	46.54	100	165	Peak
5350	45.74	46.59	54.00	-8.26	34.30	11.39	46.54	100	165	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	53.09	54.51	74.00	-20.91	34.00	11.17	46.59	100	85	Peak
5150	45.34	46.76	54.00	-8.66	34.00	11.17	46.59	100	85	Average
5240	101.17	102.49	/	/	33.98	11.27	46.57	100	85	Peak
5240	90.51	91.83	/	/	33.98	11.27	46.57	100	85	Average
5350	53.24	53.59	74.00	-20.76	34.80	11.39	46.54	100	85	Peak
5350	46.18	46.53	54.00	-7.82	34.80	11.39	46.54	100	85	Average

REMARKS:

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

802.11n (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.56	52.78	74.00	-22.44	34.20	11.17	46.59	100	165	Peak
5150	45.62	46.84	54.00	-8.38	34.20	11.17	46.59	100	165	Average
5190	96.84	97.93	/	/	34.28	11.21	46.58	100	165	Peak
5190	87.19	88.28	/	/	34.28	11.21	46.58	100	165	Average
5350	52.77	53.62	74.00	-21.23	34.30	11.39	46.54	100	165	Peak
5350	45.72	46.57	54.00	-8.28	34.30	11.39	46.54	100	165	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	51.50	52.92	74.00	-22.50	34.00	11.17	46.59	100	85	Peak
5150	45.34	46.76	54.00	-8.66	34.00	11.17	46.59	100	85	Average
5190	97.10	98.55	/	/	33.92	11.21	46.58	100	85	Peak
5190	87.92	89.37	/	/	33.92	11.21	46.58	100	85	Average
5350	52.92	53.27	74.00	-21.08	34.80	11.39	46.54	100	85	Peak
5350	46.26	46.61	54.00	-7.74	34.80	11.39	46.54	100	85	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	52.09	53.31	74.00	-21.91	34.20	11.17	46.59	100	165	Peak
5150	45.49	46.71	54.00	-8.51	34.20	11.17	46.59	100	165	Average
5230	96.95	97.84	/	/	34.42	11.26	46.57	100	165	Peak
5230	87.03	87.92	/	/	34.42	11.26	46.57	100	165	Average
5350	52.04	52.89	74.00	-21.96	34.30	11.39	46.54	100	165	Peak
5350	45.69	46.54	54.00	-8.31	34.30	11.39	46.54	100	165	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	51.71	53.13	74.00	-22.29	34.00	11.17	46.59	100	85	Peak
5150	45.45	46.87	54.00	-8.55	34.00	11.17	46.59	100	85	Average
5230	96.17	97.52	/	/	33.96	11.26	46.57	100	85	Peak
5230	88.16	89.51	/	/	33.96	11.26	46.57	100	85	Average
5350	52.21	52.56	74.00	-21.79	34.80	11.39	46.54	100	85	Peak
5350	46.33	46.68	54.00	-7.67	34.80	11.39	46.54	100	85	Average

REMARKS:

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

802.11ax (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.02	54.24	74.00	-20.98	34.20	11.17	46.59	100	165	Peak
5150	45.36	46.58	54.00	-8.64	34.20	11.17	46.59	100	165	Average
5180	99.20	100.33	/	/	34.26	11.20	46.59	100	165	Peak
5180	89.30	90.43	/	/	34.26	11.20	46.59	100	165	Average
5350	52.42	53.27	74.00	-21.58	34.30	11.39	46.54	100	165	Peak
5350	45.54	46.39	54.00	-8.46	34.30	11.39	46.54	100	165	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	54.86	74.00	-20.56	34.00	11.17	46.59	100	85	Peak
5150	45.82	47.24	54.00	-8.18	34.00	11.17	46.59	100	85	Average
5180	101.23	102.68	/	/	33.94	11.20	46.59	100	85	Peak
5180	91.90	93.35	/	/	33.94	11.20	46.59	100	85	Average
5350	52.61	52.96	74.00	-21.39	34.80	11.39	46.54	100	85	Peak
5350	45.68	46.03	54.00	-8.32	34.80	11.39	46.54	100	85	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	52.26	53.48	74.00	-21.74	34.20	11.17	46.59	100	165	Peak
5150	45.43	46.65	54.00	-8.57	34.20	11.17	46.59	100	165	Average
5200	99.36	100.42	/	/	34.30	11.22	46.58	100	165	Peak
5200	89.00	90.06	/	/	34.30	11.22	46.58	100	165	Average
5350	51.64	52.49	74.00	-22.36	34.30	11.39	46.54	100	165	Peak
5350	45.39	46.24	54.00	-8.61	34.30	11.39	46.54	100	165	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	52.85	54.27	74.00	-21.15	34.00	11.17	46.59	100	85	Peak
5150	45.45	46.87	54.00	-8.55	34.00	11.17	46.59	100	85	Average
5200	100.19	101.65	/	/	33.90	11.22	46.58	100	85	Peak
5200	90.11	91.57	/	/	33.90	11.22	46.58	100	85	Average
5350	52.52	52.87	74.00	-21.48	34.80	11.39	46.54	100	85	Peak
5350	45.83	46.18	54.00	-8.17	34.80	11.39	46.54	100	85	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	52.42	53.64	74.00	-21.58	34.20	11.17	46.59	100	165	Peak
5150	45.07	46.29	54.00	-8.93	34.20	11.17	46.59	100	165	Average
5240	99.00	99.84	/	/	34.46	11.27	46.57	100	165	Peak
5240	88.73	89.57	/	/	34.46	11.27	46.57	100	165	Average
5350	53.31	54.16	74.00	-20.69	34.30	11.39	46.54	100	165	Peak
5350	45.69	46.54	54.00	-8.31	34.30	11.39	46.54	100	165	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	52.77	54.19	74.00	-21.23	34.00	11.17	46.59	100	85	Peak
5150	44.86	46.28	54.00	-9.14	34.00	11.17	46.59	100	85	Average
5240	99.81	101.13	/	/	33.98	11.27	46.57	100	85	Peak
5240	89.33	90.65	/	/	33.98	11.27	46.57	100	85	Average
5350	53.33	53.68	74.00	-20.67	34.80	11.39	46.54	100	85	Peak
5350	46.17	46.52	54.00	-7.83	34.80	11.39	46.54	100	85	Average

REMARKS:

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

802.11ax (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.62	53.84	74.00	-21.38	34.20	11.17	46.59	100	165	Peak
5150	45.15	46.37	54.00	-8.85	34.20	11.17	46.59	100	165	Average
5190	94.54	95.63	/	/	34.28	11.21	46.58	100	165	Peak
5190	85.56	86.65	/	/	34.28	11.21	46.58	100	165	Average
5350	51.73	52.58	74.00	-22.27	34.30	11.39	46.54	100	165	Peak
5350	45.33	46.18	54.00	-8.67	34.30	11.39	46.54	100	165	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	51.84	53.26	74.00	-22.16	34.00	11.17	46.59	100	85	Peak
5150	45.44	46.86	54.00	-8.56	34.00	11.17	46.59	100	85	Average
5190	96.13	97.58	/	/	33.92	11.21	46.58	100	85	Peak
5190	87.11	88.56	/	/	33.92	11.21	46.58	100	85	Average
5350	52.22	52.57	74.00	-21.78	34.80	11.39	46.54	100	85	Peak
5350	45.78	46.13	54.00	-8.22	34.80	11.39	46.54	100	85	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	52.40	53.62	74.00	-21.60	34.20	11.17	46.59	100	165	Peak
5150	45.37	46.59	54.00	-8.63	34.20	11.17	46.59	100	165	Average
5230	94.24	95.13	/	/	34.42	11.26	46.57	100	165	Peak
5230	84.85	85.74	/	/	34.42	11.26	46.57	100	165	Average
5350	51.89	52.74	74.00	-22.11	34.30	11.39	46.54	100	165	Peak
5350	45.47	46.32	54.00	-8.53	34.30	11.39	46.54	100	165	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	51.78	53.20	74.00	-22.22	34.00	11.17	46.59	100	85	Peak
5150	44.87	46.29	54.00	-9.13	34.00	11.17	46.59	100	85	Average
5230	95.30	96.65	/	/	33.96	11.26	46.57	100	85	Peak
5230	86.32	87.67	/	/	33.96	11.26	46.57	100	85	Average
5350	54.50	54.85	74.00	-19.50	34.80	11.39	46.54	100	85	Peak
5350	46.68	47.03	54.00	-7.32	34.80	11.39	46.54	100	85	Average

REMARKS:

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

802.11ax (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.63	53.85	74.00	-21.37	34.20	11.17	46.59	100	165	Peak
5150	45.30	46.52	54.00	-8.70	34.20	11.17	46.59	100	165	Average
5210	90.83	91.83	/	/	34.34	11.24	46.58	100	165	Peak
5210	82.47	83.47	/	/	34.34	11.24	46.58	100	165	Average
5350	52.10	52.95	74.00	-21.90	34.30	11.39	46.54	100	165	Peak
5350	45.28	46.13	54.00	-8.72	34.30	11.39	46.54	100	165	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	51.27	52.69	74.00	-22.73	34.00	11.17	46.59	100	85	Peak
5150	44.92	46.34	54.00	-9.08	34.00	11.17	46.59	100	85	Average
5210	92.17	93.59	/	/	33.92	11.24	46.58	100	85	Peak
5210	83.66	85.08	/	/	33.92	11.24	46.58	100	85	Average
5350	51.83	52.18	74.00	-22.17	34.80	11.39	46.54	100	85	Peak
5350	45.33	45.68	54.00	-8.67	34.80	11.39	46.54	100	85	Average

REMARKS:

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

802.11ac (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.87	53.09	74.00	-22.13	34.20	11.17	46.59	100	165	Peak
5150	45.62	46.84	54.00	-8.38	34.20	11.17	46.59	100	165	Average
5210	89.23	90.23	/	/	34.34	11.24	46.58	100	165	Peak
5210	82.88	83.88	/	/	34.34	11.24	46.58	100	165	Average
5350	51.67	52.52	74.00	-22.33	34.30	11.39	46.54	100	165	Peak
5350	45.84	46.69	54.00	-8.16	34.30	11.39	46.54	100	165	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	51.36	52.78	74.00	-22.64	34.00	11.17	46.59	100	85	Peak
5150	45.33	46.75	54.00	-8.67	34.00	11.17	46.59	100	85	Average
5210	91.13	92.55	/	/	33.92	11.24	46.58	100	85	Peak
5210	83.86	85.28	/	/	33.92	11.24	46.58	100	85	Average
5350	52.74	53.09	74.00	-21.26	34.80	11.39	46.54	100	85	Peak
5350	46.32	46.67	54.00	-7.68	34.80	11.39	46.54	100	85	Average

REMARKS:

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

5G WIFI-RU

802.11ax (20MHz) (RU242):

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.36	53.58	74.00	-21.64	34.20	11.17	46.59	100	165	Peak
5150	46.07	47.29	54.00	-7.93	34.20	11.17	46.59	100	165	Average
5180	102.53	103.66	/	/	34.26	11.20	46.59	100	165	Peak
5180	91.72	92.85	/	/	34.26	11.20	46.59	100	165	Average
5350	52.76	53.61	74.00	-21.24	34.30	11.39	46.54	100	165	Peak
5350	45.68	46.53	54.00	-8.32	34.30	11.39	46.54	100	165	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	53.28	54.70	74.00	-20.72	34.00	11.17	46.59	100	85	Peak
5150	45.47	46.89	54.00	-8.53	34.00	11.17	46.59	100	85	Average
5180	102.15	103.60	/	/	33.94	11.20	46.59	100	85	Peak
5180	92.39	93.84	/	/	33.94	11.20	46.59	100	85	Average
5350	54.59	54.94	74.00	-19.41	34.80	11.39	46.54	100	85	Peak
5350	46.14	46.49	54.00	-7.86	34.80	11.39	46.54	100	85	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	51.64	52.86	74.00	-22.36	34.20	11.17	46.59	100	165	Peak
5150	45.21	46.43	54.00	-8.79	34.20	11.17	46.59	100	165	Average
5200	102.15	103.21	/	/	34.30	11.22	46.58	100	165	Peak
5200	91.88	92.94	/	/	34.30	11.22	46.58	100	165	Average
5350	52.22	53.07	74.00	-21.78	34.30	11.39	46.54	100	165	Peak
5350	45.67	46.52	54.00	-8.33	34.30	11.39	46.54	100	165	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	51.87	53.29	74.00	-22.13	34.00	11.17	46.59	100	85	Peak
5150	45.29	46.71	54.00	-8.71	34.00	11.17	46.59	100	85	Average
5200	102.15	103.61	/	/	33.90	11.22	46.58	100	85	Peak
5200	92.29	93.75	/	/	33.90	11.22	46.58	100	85	Average
5350	52.49	52.84	74.00	-21.51	34.80	11.39	46.54	100	85	Peak
5350	45.83	46.18	54.00	-8.17	34.80	11.39	46.54	100	85	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	51.69	52.91	74.00	-22.31	34.20	11.17	46.59	100	165	Peak
5150	44.87	46.09	54.00	-9.13	34.20	11.17	46.59	100	165	Average
5240	102.84	103.68	/	/	34.46	11.27	46.57	100	165	Peak
5240	92.33	93.17	/	/	34.46	11.27	46.57	100	165	Average
5350	52.43	53.28	74.00	-21.57	34.30	11.39	46.54	100	165	Peak
5350	45.57	46.42	54.00	-8.43	34.30	11.39	46.54	100	165	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	51.54	52.96	74.00	-22.46	34.00	11.17	46.59	100	85	Peak
5150	45.17	46.59	54.00	-8.83	34.00	11.17	46.59	100	85	Average
5240	103.33	104.65	/	/	33.98	11.27	46.57	100	85	Peak
5240	92.95	94.27	/	/	33.98	11.27	46.57	100	85	Average
5350	54.37	54.72	74.00	-19.63	34.80	11.39	46.54	100	85	Peak
5350	46.88	47.23	54.00	-7.12	34.80	11.39	46.54	100	85	Average

REMARKS:

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

802.11ax (40MHz) (RU484):

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.40	53.62	74.00	-21.60	34.20	11.17	46.59	100	165	Peak
5150	45.71	46.93	54.00	-8.29	34.20	11.17	46.59	100	165	Average
5190	97.35	98.44	/	/	34.28	11.21	46.58	100	165	Peak
5190	88.20	89.29	/	/	34.28	11.21	46.58	100	165	Average
5350	52.10	52.95	74.00	-21.90	34.30	11.39	46.54	100	165	Peak
5350	45.33	46.18	54.00	-8.67	34.30	11.39	46.54	100	165	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	53.10	54.52	74.00	-20.90	34.00	11.17	46.59	100	85	Peak
5150	45.69	47.11	54.00	-8.31	34.00	11.17	46.59	100	85	Average
5190	97.87	99.32	/	/	33.92	11.21	46.58	100	85	Peak
5190	89.30	90.75	/	/	33.92	11.21	46.58	100	85	Average
5350	52.28	52.63	74.00	-21.72	34.80	11.39	46.54	100	85	Peak
5350	45.81	46.16	54.00	-8.19	34.80	11.39	46.54	100	85	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	52.63	53.85	74.00	-21.37	34.20	11.17	46.59	100	165	Peak
5150	45.00	46.22	54.00	-9.00	34.20	11.17	46.59	100	165	Average
5230	97.06	97.95	/	/	34.42	11.26	46.57	100	165	Peak
5230	89.67	90.56	/	/	34.42	11.26	46.57	100	165	Average
5350	53.30	54.15	74.00	-20.70	34.30	11.39	46.54	100	165	Peak
5350	45.91	46.76	54.00	-8.09	34.30	11.39	46.54	100	165	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	52.42	53.84	74.00	-21.58	34.00	11.17	46.59	100	85	Peak
5150	44.94	46.36	54.00	-9.06	34.00	11.17	46.59	100	85	Average
5230	97.61	98.96	/	/	33.96	11.26	46.57	100	85	Peak
5230	90.52	91.87	/	/	33.96	11.26	46.57	100	85	Average
5350	54.50	54.85	74.00	-19.50	34.80	11.39	46.54	100	85	Peak
5350	47.16	47.51	54.00	-6.84	34.80	11.39	46.54	100	85	Average

REMARKS:

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

802.11ax (80MHz) (RU996):

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.67	53.89	74.00	-21.33	34.20	11.17	46.59	100	165	Peak
5150	45.53	46.75	54.00	-8.47	34.20	11.17	46.59	100	165	Average
5210	92.61	93.61	/	/	34.34	11.24	46.58	100	165	Peak
5210	84.05	85.05	/	/	34.34	11.24	46.58	100	165	Average
5350	52.37	53.22	74.00	-21.63	34.30	11.39	46.54	100	165	Peak
5350	45.54	46.39	54.00	-8.46	34.30	11.39	46.54	100	165	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	52.32	53.74	74.00	-21.68	34.00	11.17	46.59	100	85	Peak
5150	45.57	46.99	54.00	-8.43	34.00	11.17	46.59	100	85	Average
5210	92.97	94.39	/	/	33.92	11.24	46.58	100	85	Peak
5210	85.53	86.95	/	/	33.92	11.24	46.58	100	85	Average
5350	52.36	52.71	74.00	-21.64	34.80	11.39	46.54	100	85	Peak
5350	45.94	46.29	54.00	-8.06	34.80	11.39	46.54	100	85	Average

REMARKS:

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

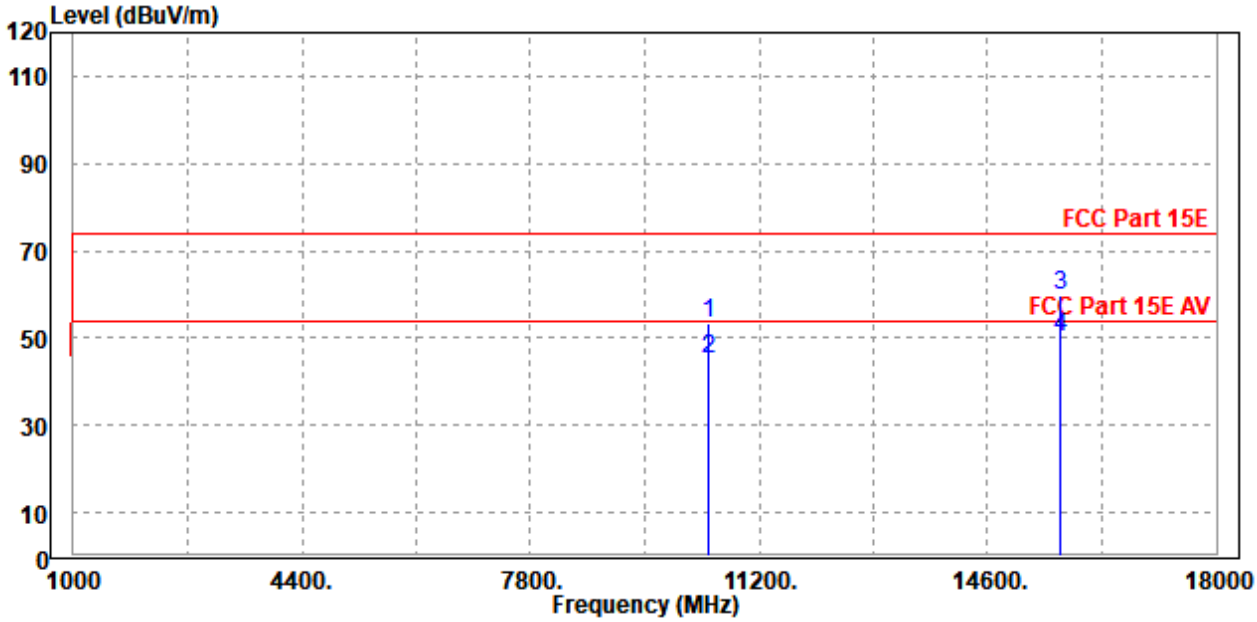
802.11ax (40MHz) RU484

Worst case harmonic:

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

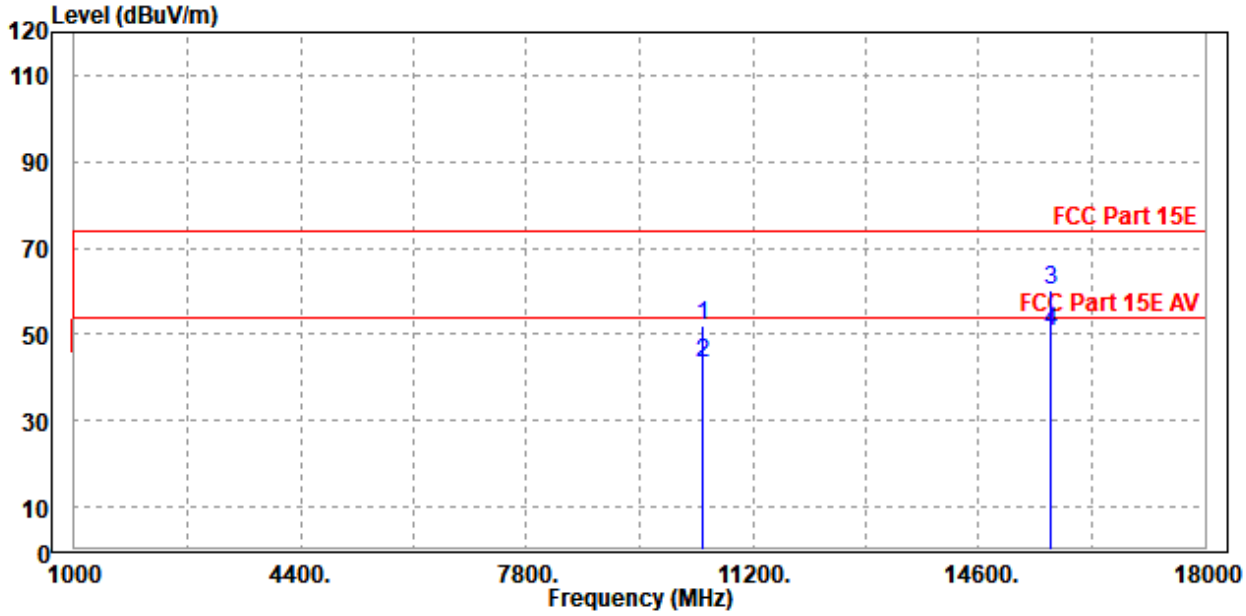
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	10452.000	53.32	46.01	74.00	-20.68	7.31	Peak	Horizontal
2	10452.000	45.13	37.82	54.00	-8.87	7.31	Average	Horizontal
3	PK15690.000	59.56	39.88	74.00	-14.44	19.68	Peak	Horizontal
4	PP15690.000	50.25	30.57	54.00	-3.75	19.68	Average	Horizontal



ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	10460.000	51.95	44.93	74.00	-22.05	7.02	Peak	Vertical
2	10460.000	43.20	36.18	54.00	-10.80	7.02	Average	Vertical
3	PK15688.000	60.03	40.56	74.00	-13.97	19.47	Peak	Vertical
4	PP15688.000	50.49	31.02	54.00	-3.51	19.47	Average	Vertical



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5230MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

Band 2

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.62	53.84	74.00	-21.38	34.20	11.17	46.59	100	165	Peak
5150	45.37	46.59	54.00	-8.63	34.20	11.17	46.59	100	165	Average
5260	103.84	104.66	/	/	34.46	11.29	46.57	100	165	Peak
5260	94.61	95.43	/	/	34.46	11.29	46.57	100	165	Average
5350	52.31	53.16	74.00	-21.69	34.30	11.39	46.54	100	165	Peak
5350	45.42	46.27	54.00	-8.58	34.30	11.39	46.54	100	165	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	53.31	54.73	74.00	-20.69	34.00	11.17	46.59	100	85	Peak
5150	45.74	47.16	54.00	-8.26	34.00	11.17	46.59	100	85	Average
5260	105.20	106.36	/	/	34.12	11.29	46.57	100	85	Peak
5260	96.30	97.46	/	/	34.12	11.29	46.57	100	85	Average
5350	53.29	53.64	74.00	-20.71	34.80	11.39	46.54	100	85	Peak
5350	45.88	46.23	54.00	-8.12	34.80	11.39	46.54	100	85	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	52.21	53.43	74.00	-21.79	34.20	11.17	46.59	100	85	Peak
5150	45.53	46.75	54.00	-8.47	34.20	11.17	46.59	100	85	Average
5300	103.26	104.18	/	/	34.30	11.34	46.56	100	85	Peak
5300	94.73	95.65	/	/	34.30	11.34	46.56	100	85	Average
5350	51.99	52.84	74.00	-22.01	34.30	11.39	46.54	100	85	Peak
5350	45.38	46.23	54.00	-8.62	34.30	11.39	46.54	100	85	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	52.55	53.97	74.00	-21.45	34.00	11.17	46.59	100	85	Peak
5150	45.43	46.85	54.00	-8.57	34.00	11.17	46.59	100	85	Average
5300	105.80	106.42	/	/	34.60	11.34	46.56	100	85	Peak
5300	97.01	97.63	/	/	34.60	11.34	46.56	100	85	Average
5350	54.10	54.45	74.00	-19.90	34.80	11.39	46.54	100	85	Peak
5350	46.44	46.79	54.00	-7.56	34.80	11.39	46.54	100	85	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	51.62	52.84	74.00	-22.38	34.20	11.17	46.59	100	165	Peak
5150	45.23	46.45	54.00	-8.77	34.20	11.17	46.59	100	165	Average
5320	103.95	104.84	/	/	34.30	11.36	46.55	100	165	Peak
5320	94.98	95.87	/	/	34.30	11.36	46.55	100	165	Average
5350	54.00	54.85	74.00	-20.00	34.30	11.39	46.54	100	165	Peak
5350	45.86	46.71	54.00	-8.14	34.30	11.39	46.54	100	165	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	51.45	52.87	74.00	-22.55	34.00	11.17	46.59	100	85	Peak
5150	44.87	46.29	54.00	-9.13	34.00	11.17	46.59	100	85	Average
5320	105.90	106.41	/	/	34.68	11.36	46.55	100	85	Peak
5320	97.01	97.52	/	/	34.68	11.36	46.55	100	85	Average
5350	53.26	53.61	74.00	-20.74	34.80	11.39	46.54	100	85	Peak
5350	46.07	46.42	54.00	-7.93	34.80	11.39	46.54	100	85	Average

REMARKS:

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

802.11n (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.62	54.84	74.00	-20.38	34.20	11.17	46.59	100	85	Peak
5150	45.71	46.93	54.00	-8.29	34.20	11.17	46.59	100	85	Average
5260	100.45	101.27	/	/	34.46	11.29	46.57	100	85	Peak
5260	91.73	92.55	/	/	34.46	11.29	46.57	100	85	Average
5350	52.12	52.97	74.00	-21.88	34.30	11.39	46.54	100	85	Peak
5350	45.44	46.29	54.00	-8.56	34.30	11.39	46.54	100	85	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	52.32	53.74	74.00	-21.68	34.00	11.17	46.59	100	85	Peak
5150	45.43	46.85	54.00	-8.57	34.00	11.17	46.59	100	85	Average
5260	101.40	102.56	/	/	34.12	11.29	46.57	100	85	Peak
5260	92.00	93.16	/	/	34.12	11.29	46.57	100	85	Average
5350	52.44	52.79	74.00	-21.56	34.80	11.39	46.54	100	85	Peak
5350	45.61	45.96	54.00	-8.39	34.80	11.39	46.54	100	85	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	52.27	53.49	74.00	-21.73	34.20	11.17	46.59	100	165	Peak
5150	45.90	47.12	54.00	-8.10	34.20	11.17	46.59	100	165	Average
5300	99.94	100.86	/	/	34.30	11.34	46.56	100	165	Peak
5300	90.57	91.49	/	/	34.30	11.34	46.56	100	165	Average
5350	52.90	53.75	74.00	-21.10	34.30	11.39	46.54	100	165	Peak
5350	46.04	46.89	54.00	-7.96	34.30	11.39	46.54	100	165	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	53.15	54.57	74.00	-20.85	34.00	11.17	46.59	100	85	Peak
5150	45.69	47.11	54.00	-8.31	34.00	11.17	46.59	100	85	Average
5300	102.17	102.79	/	/	34.60	11.34	46.56	100	85	Peak
5300	92.89	93.51	/	/	34.60	11.34	46.56	100	85	Average
5350	53.77	54.12	74.00	-20.23	34.80	11.39	46.54	100	85	Peak
5350	46.86	47.21	54.00	-7.14	34.80	11.39	46.54	100	85	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	52.42	53.64	74.00	-21.58	34.20	11.17	46.59	100	165	Peak
5150	45.36	46.58	54.00	-8.64	34.20	11.17	46.59	100	165	Average
5320	100.95	101.84	/	/	34.30	11.36	46.55	100	165	Peak
5320	91.87	92.76	/	/	34.30	11.36	46.55	100	165	Average
5350	53.34	54.19	74.00	-20.66	34.30	11.39	46.54	100	165	Peak
5350	46.17	47.02	54.00	-7.83	34.30	11.39	46.54	100	165	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	51.79	53.21	74.00	-22.21	34.00	11.17	46.59	100	85	Peak
5150	45.15	46.57	54.00	-8.85	34.00	11.17	46.59	100	85	Average
5320	102.92	103.43	/	/	34.68	11.36	46.55	100	85	Peak
5320	93.56	94.07	/	/	34.68	11.36	46.55	100	85	Average
5350	53.43	53.78	74.00	-20.57	34.80	11.39	46.54	100	85	Peak
5350	47.28	47.63	54.00	-6.72	34.80	11.39	46.54	100	85	Average

REMARKS:

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

802.11n (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.45	53.67	74.00	-21.55	34.20	11.17	46.59	100	165	Peak
5150	45.20	46.42	54.00	-8.80	34.20	11.17	46.59	100	165	Average
5270	95.74	96.58	/	/	34.42	11.30	46.56	100	165	Peak
5270	87.55	88.39	/	/	34.42	11.30	46.56	100	165	Average
5350	53.61	54.46	74.00	-20.39	34.30	11.39	46.54	100	165	Peak
5350	45.54	46.39	54.00	-8.46	34.30	11.39	46.54	100	165	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	53.45	54.87	74.00	-20.55	34.00	11.17	46.59	100	85	Peak
5150	45.87	47.29	54.00	-8.13	34.00	11.17	46.59	100	85	Average
5270	97.10	98.12	/	/	34.24	11.30	46.56	100	85	Peak
5270	88.59	89.61	/	/	34.24	11.30	46.56	100	85	Average
5350	53.13	53.48	74.00	-20.87	34.80	11.39	46.54	100	85	Peak
5350	46.00	46.35	54.00	-8.00	34.80	11.39	46.54	100	85	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	52.04	53.26	74.00	-21.96	34.20	11.17	46.59	100	165	Peak
5150	45.24	46.46	54.00	-8.76	34.20	11.17	46.59	100	165	Average
5310	96.51	97.41	/	/	34.30	11.35	46.55	100	165	Peak
5310	87.54	88.44	/	/	34.30	11.35	46.55	100	165	Average
5350	52.76	53.61	74.00	-21.24	34.30	11.39	46.54	100	165	Peak
5350	46.00	46.85	54.00	-8.00	34.30	11.39	46.54	100	165	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	52.19	53.61	74.00	-21.81	34.00	11.17	46.59	100	85	Peak
5150	44.79	46.21	54.00	-9.21	34.00	11.17	46.59	100	85	Average
5310	97.79	98.35	/	/	34.64	11.35	46.55	100	85	Peak
5310	89.97	90.53	/	/	34.64	11.35	46.55	100	85	Average
5350	52.49	52.84	74.00	-21.51	34.80	11.39	46.54	100	85	Peak
5350	46.02	46.37	54.00	-7.98	34.80	11.39	46.54	100	85	Average

REMARKS:

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

802.11ax (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.42	53.64	74.00	-21.58	34.20	11.17	46.59	100	165	Peak
5150	45.64	46.86	54.00	-8.36	34.20	11.17	46.59	100	165	Average
5260	99.59	100.41	/	/	34.46	11.29	46.57	100	165	Peak
5260	89.16	89.98	/	/	34.46	11.29	46.57	100	165	Average
5350	51.64	52.49	74.00	-22.36	34.30	11.39	46.54	100	165	Peak
5350	45.25	46.10	54.00	-8.75	34.30	11.39	46.54	100	165	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	52.04	53.46	74.00	-21.96	34.00	11.17	46.59	100	85	Peak
5150	45.66	47.08	54.00	-8.34	34.00	11.17	46.59	100	85	Average
5260	100.74	101.90	/	/	34.12	11.29	46.57	100	85	Peak
5260	89.83	90.99	/	/	34.12	11.29	46.57	100	85	Average
5350	52.54	52.89	74.00	-21.46	34.80	11.39	46.54	100	85	Peak
5350	45.91	46.26	54.00	-8.09	34.80	11.39	46.54	100	85	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	52.57	53.79	74.00	-21.43	34.20	11.17	46.59	100	165	Peak
5150	45.48	46.70	54.00	-8.52	34.20	11.17	46.59	100	165	Average
5300	99.91	100.83	/	/	34.30	11.34	46.56	100	165	Peak
5300	89.13	90.05	/	/	34.30	11.34	46.56	100	165	Average
5350	53.31	54.16	74.00	-20.69	34.30	11.39	46.54	100	165	Peak
5350	46.00	46.85	54.00	-8.00	34.30	11.39	46.54	100	165	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	52.89	54.31	74.00	-21.11	34.00	11.17	46.59	100	85	Peak
5150	45.79	47.21	54.00	-8.21	34.00	11.17	46.59	100	85	Average
5300	101.57	102.19	/	/	34.60	11.34	46.56	100	85	Peak
5300	90.65	91.27	/	/	34.60	11.34	46.56	100	85	Average
5350	53.26	53.61	74.00	-20.74	34.80	11.39	46.54	100	85	Peak
5350	46.61	46.96	54.00	-7.39	34.80	11.39	46.54	100	85	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	52.05	53.27	74.00	-21.95	34.20	11.17	46.59	100	165	Peak
5150	45.35	46.57	54.00	-8.65	34.20	11.17	46.59	100	165	Average
5320	98.04	98.93	/	/	34.30	11.36	46.55	100	165	Peak
5320	87.76	88.65	/	/	34.30	11.36	46.55	100	165	Average
5350	53.30	54.15	74.00	-20.70	34.30	11.39	46.54	100	165	Peak
5350	45.47	46.32	54.00	-8.53	34.30	11.39	46.54	100	165	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	51.34	52.76	74.00	-22.66	34.00	11.17	46.59	100	85	Peak
5150	44.43	45.85	54.00	-9.57	34.00	11.17	46.59	100	85	Average
5320	99.24	99.75	/	/	34.68	11.36	46.55	100	85	Peak
5320	89.40	89.91	/	/	34.68	11.36	46.55	100	85	Average
5350	53.26	53.61	74.00	-20.74	34.80	11.39	46.54	100	85	Peak
5350	45.67	46.02	54.00	-8.33	34.80	11.39	46.54	100	85	Average

REMARKS:

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

802.11ax (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	50.99	52.21	74.00	-23.01	34.20	11.17	46.59	100	165	Peak
5150	45.63	46.85	54.00	-8.37	34.20	11.17	46.59	100	165	Average
5270	91.56	92.40	/	/	34.42	11.30	46.56	100	165	Peak
5270	84.30	85.14	/	/	34.42	11.30	46.56	100	165	Average
5350	52.79	53.64	74.00	-21.21	34.30	11.39	46.54	100	165	Peak
5350	45.34	46.19	54.00	-8.66	34.30	11.39	46.54	100	165	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	52.90	54.32	74.00	-21.10	34.00	11.17	46.59	100	85	Peak
5150	45.51	46.93	54.00	-8.49	34.00	11.17	46.59	100	85	Average
5270	94.64	95.66	/	/	34.24	11.30	46.56	100	85	Peak
5270	86.57	87.59	/	/	34.24	11.30	46.56	100	85	Average
5350	52.21	52.56	74.00	-21.79	34.80	11.39	46.54	100	85	Peak
5350	45.73	46.08	54.00	-8.27	34.80	11.39	46.54	100	85	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	51.94	53.16	74.00	-22.06	34.20	11.17	46.59	100	165	Peak
5150	45.01	46.23	54.00	-8.99	34.20	11.17	46.59	100	165	Average
5310	101.94	102.84	/	/	34.30	11.35	46.55	100	165	Peak
5310	84.73	85.63	/	/	34.30	11.35	46.55	100	165	Average
5350	53.21	54.06	74.00	-20.79	34.30	11.39	46.54	100	165	Peak
5350	45.47	46.32	54.00	-8.53	34.30	11.39	46.54	100	165	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	51.13	52.55	74.00	-22.87	34.00	11.17	46.59	100	85	Peak
5150	44.88	46.30	54.00	-9.12	34.00	11.17	46.59	100	85	Average
5310	95.75	96.31	/	/	34.64	11.35	46.55	100	85	Peak
5310	86.95	87.51	/	/	34.64	11.35	46.55	100	85	Average
5350	54.16	54.51	74.00	-19.84	34.80	11.39	46.54	100	85	Peak
5350	45.89	46.24	54.00	-8.11	34.80	11.39	46.54	100	85	Average

REMARKS:

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

802.11ax (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.62	53.84	74.00	-21.38	34.20	11.17	46.59	100	165	Peak
5150	45.20	46.42	54.00	-8.80	34.20	11.17	46.59	100	165	Average
5290	88.17	89.07	/	/	34.34	11.32	46.56	100	165	Peak
5290	80.07	80.97	/	/	34.34	11.32	46.56	100	165	Average
5350	53.33	54.18	74.00	-20.67	34.30	11.39	46.54	100	165	Peak
5350	45.50	46.35	54.00	-8.50	34.30	11.39	46.54	100	165	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	52.22	53.64	74.00	-21.78	34.00	11.17	46.59	100	85	Peak
5150	44.97	46.39	54.00	-9.03	34.00	11.17	46.59	100	85	Average
5290	89.78	90.54	/	/	34.48	11.32	46.56	100	85	Peak
5290	81.76	82.52	/	/	34.48	11.32	46.56	100	85	Average
5350	54.12	54.47	74.00	-19.88	34.80	11.39	46.54	100	85	Peak
5350	45.82	46.17	54.00	-8.18	34.80	11.39	46.54	100	85	Average

REMARKS:

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

802.11ac (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.41	52.63	74.00	-22.59	34.20	11.17	46.59	100	165	Peak
5150	45.73	46.95	54.00	-8.27	34.20	11.17	46.59	100	165	Average
5290	90.46	91.36	/	/	34.34	11.32	46.56	100	165	Peak
5290	83.12	84.02	/	/	34.34	11.32	46.56	100	165	Average
5350	53.09	53.94	74.00	-20.91	34.30	11.39	46.54	100	165	Peak
5350	46.31	47.16	54.00	-7.69	34.30	11.39	46.54	100	165	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	52.42	53.84	74.00	-21.58	34.00	11.17	46.59	100	85	Peak
5150	45.50	46.92	54.00	-8.50	34.00	11.17	46.59	100	85	Average
5290	91.04	91.80	/	/	34.48	11.32	46.56	100	85	Peak
5290	85.19	85.95	/	/	34.48	11.32	46.56	100	85	Average
5350	52.52	52.87	74.00	-21.48	34.80	11.39	46.54	100	85	Peak
5350	45.78	46.13	54.00	-8.22	34.80	11.39	46.54	100	85	Average

REMARKS:

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

5G WIFI-RU

802.11ax (20MHz) (RU242):

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.53	52.75	74.00	-22.47	34.20	11.17	46.59	100	165	Peak
5150	45.45	46.67	54.00	-8.55	34.20	11.17	46.59	100	165	Average
5260	100.42	101.24	/	/	34.46	11.29	46.57	100	165	Peak
5260	89.95	90.77	/	/	34.46	11.29	46.57	100	165	Average
5350	52.76	53.61	74.00	-21.24	34.30	11.39	46.54	100	165	Peak
5350	45.66	46.51	54.00	-8.34	34.30	11.39	46.54	100	165	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	51.85	53.27	74.00	-22.15	34.00	11.17	46.59	100	85	Peak
5150	45.32	46.74	54.00	-8.68	34.00	11.17	46.59	100	85	Average
5260	101.94	103.10	/	/	34.12	11.29	46.57	100	85	Peak
5260	92.00	93.16	/	/	34.12	11.29	46.57	100	85	Average
5350	52.11	52.46	74.00	-21.89	34.80	11.39	46.54	100	85	Peak
5350	46.04	46.39	54.00	-7.96	34.80	11.39	46.54	100	85	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	52.62	53.84	74.00	-21.38	34.20	11.17	46.59	100	165	Peak
5150	45.32	46.54	54.00	-8.68	34.20	11.17	46.59	100	165	Average
5300	99.93	100.85	/	/	34.30	11.34	46.56	100	165	Peak
5300	89.24	90.16	/	/	34.30	11.34	46.56	100	165	Average
5350	51.63	52.48	74.00	-22.37	34.30	11.39	46.54	100	165	Peak
5350	45.44	46.29	54.00	-8.56	34.30	11.39	46.54	100	165	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	53.00	54.42	74.00	-21.00	34.00	11.17	46.59	100	85	Peak
5150	45.15	46.57	54.00	-8.85	34.00	11.17	46.59	100	85	Average
5300	101.36	101.98	/	/	34.60	11.34	46.56	100	85	Peak
5300	92.02	92.64	/	/	34.60	11.34	46.56	100	85	Average
5350	53.26	53.61	74.00	-20.74	34.80	11.39	46.54	100	85	Peak
5350	46.50	46.85	54.00	-7.50	34.80	11.39	46.54	100	85	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	53.05	54.27	74.00	-20.95	34.20	11.17	46.59	100	165	Peak
5150	45.16	46.38	54.00	-8.84	34.20	11.17	46.59	100	165	Average
5320	100.26	101.15	/	/	34.30	11.36	46.55	100	165	Peak
5320	90.56	91.45	/	/	34.30	11.36	46.55	100	165	Average
5350	52.69	53.54	74.00	-21.31	34.30	11.39	46.54	100	165	Peak
5350	46.00	46.85	54.00	-8.00	34.30	11.39	46.54	100	165	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	51.39	52.81	74.00	-22.61	34.00	11.17	46.59	100	85	Peak
5150	44.54	45.96	54.00	-9.46	34.00	11.17	46.59	100	85	Average
5320	103.10	103.61	/	/	34.68	11.36	46.55	100	85	Peak
5320	93.62	94.13	/	/	34.68	11.36	46.55	100	85	Average
5350	53.84	54.19	74.00	-20.16	34.80	11.39	46.54	100	85	Peak
5350	46.91	47.26	54.00	-7.09	34.80	11.39	46.54	100	85	Average

REMARKS:

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

802.11ax (40MHz) (RU484):

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.27	53.49	74.00	-21.73	34.20	11.17	46.59	100	165	Peak
5150	46.19	47.41	54.00	-7.81	34.20	11.17	46.59	100	165	Average
5270	94.52	95.36	/	/	34.42	11.30	46.56	100	165	Peak
5270	86.88	87.72	/	/	34.42	11.30	46.56	100	165	Average
5350	51.76	52.61	74.00	-22.24	34.30	11.39	46.54	100	165	Peak
5350	45.00	45.85	54.00	-9.00	34.30	11.39	46.54	100	165	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	50.26	51.68	74.00	-23.74	34.00	11.17	46.59	100	85	Peak
5150	45.10	46.52	54.00	-8.90	34.00	11.17	46.59	100	85	Average
5270	96.12	97.14	/	/	34.24	11.30	46.56	100	85	Peak
5270	88.04	89.06	/	/	34.24	11.30	46.56	100	85	Average
5350	52.11	52.46	74.00	-21.89	34.80	11.39	46.54	100	85	Peak
5350	45.44	45.79	54.00	-8.56	34.80	11.39	46.54	100	85	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	51.67	52.89	74.00	-22.33	34.20	11.17	46.59	100	165	Peak
5150	44.81	46.03	54.00	-9.19	34.20	11.17	46.59	100	165	Average
5310	93.84	94.74	/	/	34.30	11.35	46.55	100	165	Peak
5310	86.55	87.45	/	/	34.30	11.35	46.55	100	165	Average
5350	52.72	53.57	74.00	-21.28	34.30	11.39	46.54	100	165	Peak
5350	45.68	46.53	54.00	-8.32	34.30	11.39	46.54	100	165	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	52.18	53.60	74.00	-21.82	34.00	11.17	46.59	100	85	Peak
5150	44.96	46.38	54.00	-9.04	34.00	11.17	46.59	100	85	Average
5310	96.07	96.63	/	/	34.64	11.35	46.55	100	85	Peak
5310	89.56	90.12	/	/	34.64	11.35	46.55	100	85	Average
5350	54.14	54.49	74.00	-19.86	34.80	11.39	46.54	100	85	Peak
5350	46.51	46.86	54.00	-7.49	34.80	11.39	46.54	100	85	Average

REMARKS:

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

802.11ax (80MHz) (RU996):

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.42	53.64	74.00	-21.58	34.20	11.17	46.59	100	165	Peak
5150	45.07	46.29	54.00	-8.93	34.20	11.17	46.59	100	165	Average
5290	89.60	90.50	/	/	34.34	11.32	46.56	100	165	Peak
5290	82.34	83.24	/	/	34.34	11.32	46.56	100	165	Average
5350	53.77	54.62	74.00	-20.23	34.30	11.39	46.54	100	165	Peak
5350	45.67	46.52	54.00	-8.33	34.30	11.39	46.54	100	165	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	52.20	53.62	74.00	-21.80	34.00	11.17	46.59	100	85	Peak
5150	44.86	46.28	54.00	-9.14	34.00	11.17	46.59	100	85	Average
5290	91.71	92.47	/	/	34.48	11.32	46.56	100	85	Peak
5290	85.76	86.52	/	/	34.48	11.32	46.56	100	85	Average
5350	52.44	52.79	74.00	-21.56	34.80	11.39	46.54	100	85	Peak
5350	46.44	46.79	54.00	-7.56	34.80	11.39	46.54	100	85	Average

REMARKS:

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

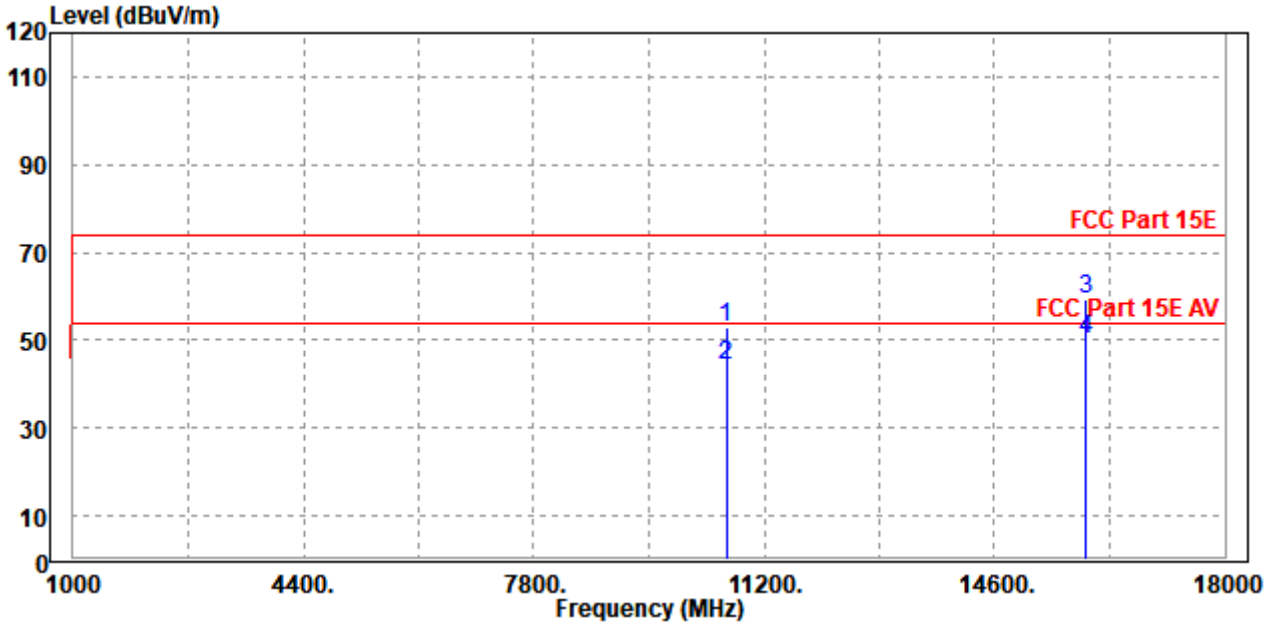
802.11n (20MHz):

Worst case harmonic:

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

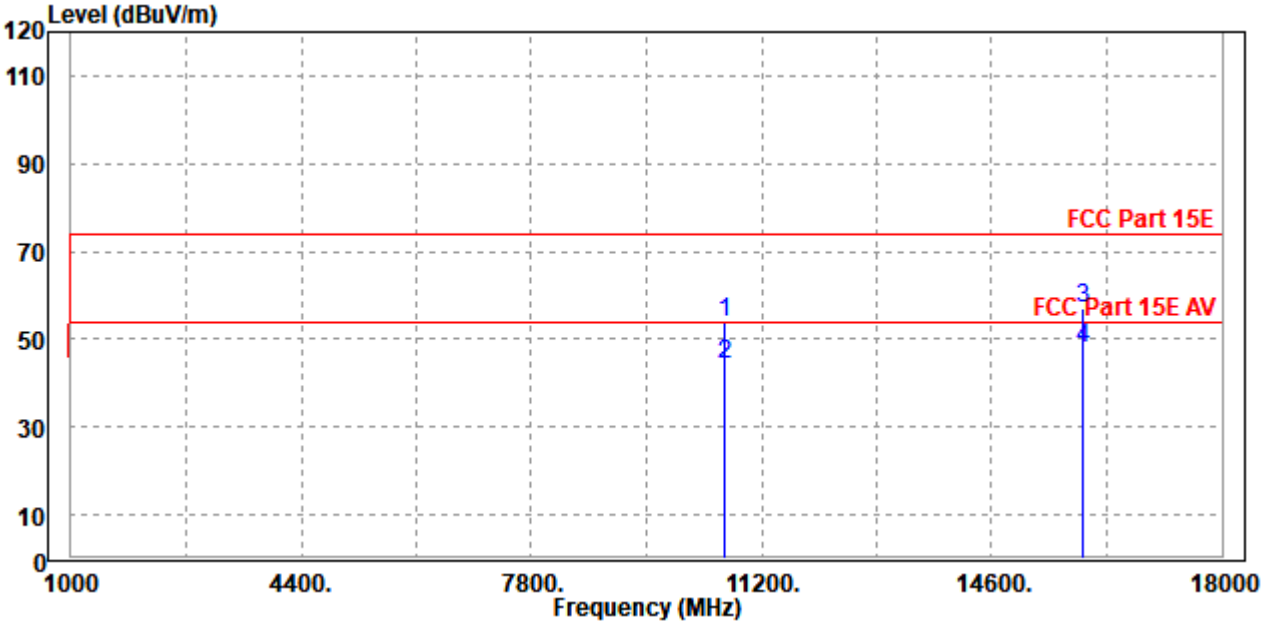
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	10639.000	52.92	45.60	74.00	-21.08	7.32	Peak	Horizontal
2	10639.000	44.46	37.14	54.00	-9.54	7.32	Average	Horizontal
3	PK15960.000	59.37	40.30	74.00	-14.63	19.07	Peak	Horizontal
4	PP15960.000	50.31	31.24	54.00	-3.69	19.07	Average	Horizontal



ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	10640.000	53.68	46.56	74.00	-20.32	7.12	Peak	Vertical
2	10640.000	44.24	37.12	54.00	-9.76	7.12	Average	Vertical
3	PK15960.000	56.83	37.58	74.00	-17.17	19.25	Peak	Vertical
4	PP15960.000	47.76	28.51	54.00	-6.24	19.25	Average	Vertical



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5320MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

Band 3

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.22	53.63	74	-20.78	34.58	11.52	46.51	100	165	Peak
5460	45.44	45.85	54	-8.56	34.58	11.52	46.51	100	165	Average
5470	53.73	54.15	68.2	-14.47	34.56	11.53	46.51	100	165	Peak
5500	100	100.45	/	/	34.5	11.56	46.51	100	165	Peak
5500	90.9	91.35	/	/	34.5	11.56	46.51	100	165	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	52.43	53.14	74	-21.57	34.28	11.52	46.51	100	80	Peak
5460	44.91	45.62	54	-9.09	34.28	11.52	46.51	100	80	Average
5470	52.38	53.1	68.2	-15.82	34.26	11.53	46.51	100	80	Peak
5500	100.9	101.65	/	/	34.2	11.56	46.51	100	80	Peak
5500	91.61	92.36	/	/	34.2	11.56	46.51	100	80	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5460	53.74	54.15	74	-20.26	34.58	11.52	46.51	100	165	Peak
5460	45.71	46.12	54	-8.29	34.58	11.52	46.51	100	165	Average
5470	53.18	53.6	68.2	-15.02	34.56	11.53	46.51	100	165	Peak
5580	99.68	100.28	/	/	34.3	11.59	46.49	100	165	Peak
5580	89.92	90.52	/	/	34.3	11.59	46.49	100	165	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	53.63	74	-21.08	34.28	11.52	46.51	100	85	Peak
5460	45.17	45.88	54	-8.83	34.28	11.52	46.51	100	85	Average
5470	53.55	54.27	68.2	-14.65	34.26	11.53	46.51	100	85	Peak
5580	101.24	101.2	/	/	34.94	11.59	46.49	100	85	Peak
5580	91.69	91.65	/	/	34.94	11.59	46.49	100	85	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5700	99.19	99.41	/	/	34.6	11.64	46.46	100	165	Peak
5700	89.41	89.63	/	/	34.6	11.64	46.46	100	165	Average
5725	53.39	53.64	68.2	-14.81	34.55	11.65	46.45	100	165	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	100.06	100.58	/	/	34.3	11.64	46.46	100	85	Peak
5700	90	90.52	/	/	34.3	11.64	46.46	100	85	Average
5725	53.71	54.16	68.2	-14.49	34.35	11.65	46.45	100	85	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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5470	53.48	53.9	68.2	-14.72	34.56	11.53	46.51	100	165	Peak
5720	100.24	100.49	/	/	34.56	11.64	46.45	100	165	Peak
5720	89.83	90.08	/	/	34.56	11.64	46.45	100	165	Average
5850	53.75	53.58	68.2	-14.45	34.9	11.69	46.42	100	165	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**
5470	52.25	52.97	68.2	-15.95	34.26	11.53	46.51	100	85	Peak
5720	100.49	100.96	/	/	34.34	11.64	46.45	100	85	Peak
5720	90.01	90.48	/	/	34.34	11.64	46.45	100	85	Average
5850	53.75	53.18	68.2	-14.45	35.3	11.69	46.42	100	85	Peak

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5720MHz: Fundamental frequency.
3. #: Out of restricted band.

802.11n (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	52.82	53.23	74	-21.18	34.58	11.52	46.51	100	165	Peak
5460	45.43	45.84	54	-8.57	34.58	11.52	46.51	100	165	Average
5470	53.73	54.15	68.2	-14.47	34.56	11.53	46.51	100	165	Peak
5500	96.01	96.46	/	/	34.5	11.56	46.51	100	165	Peak
5500	85.33	85.78	/	/	34.5	11.56	46.51	100	165	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	54.09	54.8	74	-19.91	34.28	11.52	46.51	100	80	Peak
5460	45.41	46.12	54	-8.59	34.28	11.52	46.51	100	80	Average
5470	53.21	53.93	68.2	-14.99	34.26	11.53	46.51	100	80	Peak
5500	96.46	97.21	/	/	34.2	11.56	46.51	100	80	Peak
5500	86.71	87.46	/	/	34.2	11.56	46.51	100	80	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5460	53.19	53.6	74	-20.81	34.58	11.52	46.51	100	165	Peak
5460	44.84	45.25	54	-9.16	34.58	11.52	46.51	100	165	Average
5470	53.32	53.74	68.2	-14.88	34.56	11.53	46.51	100	165	Peak
5580	94.89	95.49	/	/	34.3	11.59	46.49	100	165	Peak
5580	84.78	85.38	/	/	34.3	11.59	46.49	100	165	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	52.52	53.23	74	-21.48	34.28	11.52	46.51	100	80	Peak
5460	45.12	45.83	54	-8.88	34.28	11.52	46.51	100	80	Average
5470	52.16	52.88	68.2	-16.04	34.26	11.53	46.51	100	80	Peak
5580	97.7	97.66	/	/	34.94	11.59	46.49	100	80	Peak
5580	86.36	86.32	/	/	34.94	11.59	46.49	100	80	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5700	95.42	95.64	/	/	34.6	11.64	46.46	100	165	Peak
5700	84.74	84.96	/	/	34.6	11.64	46.46	100	165	Average
5725	53.34	53.59	68.2	-14.86	34.55	11.65	46.45	100	165	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	96.33	96.85	/	/	34.3	11.64	46.46	100	80	Peak
5700	85.27	85.79	/	/	34.3	11.64	46.46	100	80	Average
5725	52.82	53.27	68.2	-15.38	34.35	11.65	46.45	100	80	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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5470	54.89	55.31	68.2	-13.31	34.56	11.53	46.51	100	165	Peak
5720	96.07	96.32	/	/	34.56	11.64	46.45	100	165	Peak
5720	86.06	86.31	/	/	34.56	11.64	46.45	100	165	Average
5850	53.8	53.63	68.2	-14.4	34.9	11.69	46.42	100	165	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**
5470	52.89	53.61	68.2	-15.31	34.26	11.53	46.51	100	80	Peak
5720	97.11	97.58	/	/	34.34	11.64	46.45	100	80	Peak
5720	86.58	87.05	/	/	34.34	11.64	46.45	100	80	Average
5850	53.04	52.47	68.2	-15.16	35.3	11.69	46.42	100	80	Peak

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5720MHz: Fundamental frequency.
3. #: Out of restricted band.

802.11n (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.43	53.84	74	-20.57	34.58	11.52	46.51	100	165	Peak
5460	45.76	46.17	54	-8.24	34.58	11.52	46.51	100	165	Average
5470	53.92	54.34	68.2	-14.28	34.56	11.53	46.51	100	165	Peak
5510	91.66	92.14	/	/	34.46	11.56	46.5	100	165	Peak
5510	85.46	85.94	/	/	34.46	11.56	46.5	100	165	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	52.13	52.84	74	-21.87	34.28	11.52	46.51	100	225	Peak
5460	45.55	46.26	54	-8.45	34.28	11.52	46.51	100	225	Average
5470	52.8	53.52	68.2	-15.4	34.26	11.53	46.51	100	225	Peak
5510	93.52	94.16	/	/	34.3	11.56	46.5	100	225	Peak
5510	87	87.64	/	/	34.3	11.56	46.5	100	225	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5460	53.36	53.77	74	-20.64	34.58	11.52	46.51	100	165	Peak
5460	46.15	46.56	54	-7.85	34.58	11.52	46.51	100	165	Average
5470	53.75	54.17	68.2	-14.45	34.56	11.53	46.51	100	165	Peak
5550	92.33	92.94	/	/	34.3	11.58	46.49	100	165	Peak
5550	84.17	84.78	/	/	34.3	11.58	46.49	100	165	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	51.95	52.66	74	-22.05	34.28	11.52	46.51	100	225	Peak
5460	45.21	45.92	54	-8.79	34.28	11.52	46.51	100	225	Average
5470	53.02	53.74	68.2	-15.18	34.26	11.53	46.51	100	225	Peak
5550	93.86	94.07	/	/	34.7	11.58	46.49	100	225	Peak
5550	86.52	86.73	/	/	34.7	11.58	46.49	100	225	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) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5670	91.51	91.75	/	/	34.6	11.62	46.46	100	165	Peak
5670	84.96	85.2	/	/	34.6	11.62	46.46	100	165	Average
5725	53.94	54.19	68.2	-14.26	34.55	11.65	46.45	100	165	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	93.85	94.27	/	/	34.42	11.62	46.46	100	165	Peak
5670	86.64	87.06	/	/	34.42	11.62	46.46	100	165	Average
5725	53.03	53.48	68.2	-15.17	34.35	11.65	46.45	100	165	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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5470	52.83	53.25	68.2	-15.37	34.56	11.53	46.51	100	165	Peak
5710	92.22	92.45	/	/	34.58	11.64	46.45	100	165	Peak
5710	85.4	85.63	/	/	34.58	11.64	46.45	100	165	Average
5850	52.64	52.47	68.2	-15.56	34.9	11.69	46.42	100	165	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**
5470	52.54	53.26	68.2	-15.66	34.26	11.53	46.51	100	225	Peak
5710	93.32	93.81	/	/	34.32	11.64	46.45	100	225	Peak
5710	86.12	86.61	/	/	34.32	11.64	46.45	100	225	Average
5850	54.86	54.29	68.2	-13.34	35.3	11.69	46.42	100	225	Peak

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5710MHz: Fundamental frequency.
3. #: Out of restricted band.

802.11ax (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	54.22	54.63	74	-19.78	34.58	11.52	46.51	100	180	Peak
5460	45.47	45.88	54	-8.53	34.58	11.52	46.51	100	180	Average
5470	53.19	53.61	68.2	-15.01	34.56	11.53	46.51	100	180	Peak
5500	97.89	98.34	/	/	34.5	11.56	46.51	100	180	Peak
5500	88.42	88.87	/	/	34.5	11.56	46.51	100	180	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	52.59	53.3	74	-21.41	34.28	11.52	46.51	100	235	Peak
5460	44.85	45.56	54	-9.15	34.28	11.52	46.51	100	235	Average
5470	52.38	53.1	68.2	-15.82	34.26	11.53	46.51	100	235	Peak
5500	99.39	100.14	/	/	34.2	11.56	46.51	100	235	Peak
5500	87.92	88.67	/	/	34.2	11.56	46.51	100	235	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5460	52.43	52.84	74	-21.57	34.58	11.52	46.51	100	180	Peak
5460	45.72	46.13	54	-8.28	34.58	11.52	46.51	100	180	Average
5470	53.08	53.5	68.2	-15.12	34.56	11.53	46.51	100	180	Peak
5580	98.04	98.64	/	/	34.3	11.59	46.49	100	180	Peak
5580	86.56	87.16	/	/	34.3	11.59	46.49	100	180	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	52.14	52.85	74	-21.86	34.28	11.52	46.51	100	235	Peak
5460	44.96	45.67	54	-9.04	34.28	11.52	46.51	100	235	Average
5470	52.88	53.6	68.2	-15.32	34.26	11.53	46.51	100	235	Peak
5580	100.61	100.57	/	/	34.94	11.59	46.49	100	235	Peak
5580	90.89	90.85	/	/	34.94	11.59	46.49	100	235	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5700	96.72	96.94	/	/	34.6	11.64	46.46	100	180	Peak
5700	86.55	86.77	/	/	34.6	11.64	46.46	100	180	Average
5725	54.21	54.46	68.2	-13.99	34.55	11.65	46.45	100	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**
5700	98.67	99.19	/	/	34.3	11.64	46.46	100	235	Peak
5700	88.05	88.57	/	/	34.3	11.64	46.46	100	235	Average
5725	52.73	53.18	68.2	-15.47	34.35	11.65	46.45	100	235	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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5470	53.18	53.6	68.2	-15.02	34.56	11.53	46.51	100	180	Peak
5720	97.29	97.54	/	/	34.56	11.64	46.45	100	180	Peak
5720	86.7	86.95	/	/	34.56	11.64	46.45	100	180	Average
5850	52.64	52.47	68.2	-15.56	34.9	11.69	46.42	100	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**
5470	53.43	54.15	68.2	-14.77	34.26	11.53	46.51	100	235	Peak
5720	99.56	100.03	/	/	34.34	11.64	46.45	100	235	Peak
5720	90.59	91.06	/	/	34.34	11.64	46.45	100	235	Average
5850	53.84	53.27	68.2	-14.36	35.3	11.69	46.42	100	235	Peak

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5720MHz: Fundamental frequency.
3. #: Out of restricted band.

802.11ax (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	52.04	52.45	74	-21.96	34.58	11.52	46.51	100	180	Peak
5460	44.92	45.33	54	-9.08	34.58	11.52	46.51	100	180	Average
5470	53.11	53.53	68.2	-15.09	34.56	11.53	46.51	100	180	Peak
5510	92.78	93.26	/	/	34.46	11.56	46.5	100	180	Peak
5510	84.15	84.63	/	/	34.46	11.56	46.5	100	180	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	52.44	53.15	74	-21.56	34.28	11.52	46.51	100	235	Peak
5460	45.31	46.02	54	-8.69	34.28	11.52	46.51	100	235	Average
5470	53.52	54.24	68.2	-14.68	34.26	11.53	46.51	100	235	Peak
5510	94.99	95.63	/	/	34.3	11.56	46.5	100	235	Peak
5510	85.75	86.39	/	/	34.3	11.56	46.5	100	235	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5460	52.06	52.47	74	-21.94	34.58	11.52	46.51	100	180	Peak
5460	45.17	45.58	54	-8.83	34.58	11.52	46.51	100	180	Average
5470	53.48	53.9	68.2	-14.72	34.56	11.53	46.51	100	180	Peak
5550	91.97	92.58	/	/	34.3	11.58	46.49	100	180	Peak
5550	83.56	84.17	/	/	34.3	11.58	46.49	100	180	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	52.56	53.27	74	-21.44	34.28	11.52	46.51	100	235	Peak
5460	45.12	45.83	54	-8.88	34.28	11.52	46.51	100	235	Average
5470	52.72	53.44	68.2	-15.48	34.26	11.53	46.51	100	235	Peak
5550	95.2	95.41	/	/	34.7	11.58	46.49	100	235	Peak
5550	86.34	86.55	/	/	34.7	11.58	46.49	100	235	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) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5670	94.63	94.87	/	/	34.6	11.62	46.46	100	180	Peak
5670	85.22	85.46	/	/	34.6	11.62	46.46	100	180	Average
5725	54.29	54.54	68.2	-13.91	34.55	11.65	46.45	100	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**
5670	95.92	96.34	/	/	34.42	11.62	46.46	100	180	Peak
5670	86.74	87.16	/	/	34.42	11.62	46.46	100	180	Average
5725	53.16	53.61	68.2	-15.04	34.35	11.65	46.45	100	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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5470	53.72	54.14	68.2	-14.48	34.56	11.53	46.51	100	180	Peak
5710	93.58	93.81	/	/	34.58	11.64	46.45	100	180	Peak
5710	85.23	85.46	/	/	34.58	11.64	46.45	100	180	Average
5850	54.16	53.99	68.2	-14.04	34.9	11.69	46.42	100	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**
5470	53.03	53.75	68.2	-15.17	34.26	11.53	46.51	100	180	Peak
5710	94.93	95.42	/	/	34.32	11.64	46.45	100	180	Peak
5710	85.9	86.39	/	/	34.32	11.64	46.45	100	180	Average
5850	54.09	53.52	68.2	-14.11	35.3	11.69	46.42	100	180	Peak

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5710MHz: Fundamental frequency.
3. #: Out of restricted band.

802.11ax (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	52.06	52.47	74	-21.94	34.58	11.52	46.51	100	180	Peak
5460	45.25	45.66	54	-8.75	34.58	11.52	46.51	100	180	Average
5470	53.51	53.93	68.2	-14.69	34.56	11.53	46.51	100	180	Peak
5530	86.86	87.41	/	/	34.38	11.57	46.5	100	180	Peak
5530	78.92	79.47	/	/	34.38	11.57	46.5	100	180	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	52.14	52.85	74	-21.86	34.28	11.52	46.51	100	235	Peak
5460	47.13	47.84	54	-6.87	34.28	11.52	46.51	100	235	Average
5470	52.53	53.25	68.2	-15.67	34.26	11.53	46.51	100	235	Peak
5530	88.3	88.73	/	/	34.5	11.57	46.5	100	235	Peak
5530	80.99	81.42	/	/	34.5	11.57	46.5	100	235	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5460	52.53	52.94	74	-21.47	34.58	11.52	46.51	100	180	Peak
5460	45.25	45.66	54	-8.75	34.58	11.52	46.51	100	180	Average
5470	53.18	53.6	68.2	-15.02	34.56	11.53	46.51	100	180	Peak
5610	85.87	86.39	/	/	34.36	11.6	46.48	100	180	Peak
5610	79.53	80.05	/	/	34.36	11.6	46.48	100	180	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	52.57	53.28	74	-21.43	34.28	11.52	46.51	100	235	Peak
5460	45.31	46.02	54	-8.69	34.28	11.52	46.51	100	235	Average
5470	53.45	54.17	68.2	-14.75	34.26	11.53	46.51	100	235	Peak
5610	88.68	88.58	/	/	34.98	11.6	46.48	100	235	Peak
5610	81.06	80.96	/	/	34.98	11.6	46.48	100	235	Average

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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5470	53.04	53.46	68.2	-15.16	34.56	11.53	46.51	100	180	Peak
5690	85.22	85.45	/	/	34.6	11.63	46.46	100	180	Peak
5690	79.12	79.35	/	/	34.6	11.63	46.46	100	180	Average
5850	54.12	53.95	68.2	-14.08	34.9	11.69	46.42	100	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**
5470	53.86	54.58	68.2	-14.34	34.26	11.53	46.51	100	235	Peak
5690	87.02	87.51	/	/	34.34	11.63	46.46	100	235	Peak
5690	80.03	80.52	/	/	34.34	11.63	46.46	100	235	Average
5850	54.22	53.65	68.2	-13.98	35.3	11.69	46.42	100	235	Peak

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5690MHz: Fundamental frequency.
3. #: Out of restricted band.

802.11ac(80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	54.03	54.44	74	-19.97	34.58	11.52	46.51	100	165	Peak
5460	45.61	46.02	54	-8.39	34.58	11.52	46.51	100	165	Average
5470	53.03	53.45	68.2	-15.17	34.56	11.53	46.51	100	165	Peak
5530	86.57	87.12	/	/	34.38	11.57	46.5	100	165	Peak
5530	80.31	80.86	/	/	34.38	11.57	46.5	100	165	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	52.46	53.17	74	-21.54	34.28	11.52	46.51	100	225	Peak
5460	45.17	45.88	54	-8.83	34.28	11.52	46.51	100	225	Average
5470	53.03	53.75	68.2	-15.17	34.26	11.53	46.51	100	225	Peak
5530	88.25	88.68	/	/	34.5	11.57	46.5	100	225	Peak
5530	81.84	82.27	/	/	34.5	11.57	46.5	100	225	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5460	52.43	52.84	74	-21.57	34.58	11.52	46.51	100	165	Peak
5460	45.74	46.15	54	-8.26	34.58	11.52	46.51	100	165	Average
5470	53.29	53.71	68.2	-14.91	34.56	11.53	46.51	100	165	Peak
5610	86.77	87.29	/	/	34.36	11.6	46.48	100	165	Peak
5610	79.57	80.09	/	/	34.36	11.6	46.48	100	165	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	52.9	53.61	74	-21.1	34.28	11.52	46.51	100	225	Peak
5460	45.06	45.77	54	-8.94	34.28	11.52	46.51	100	225	Average
5470	51.75	52.47	68.2	-16.45	34.26	11.53	46.51	100	225	Peak
5610	88.44	88.34	/	/	34.98	11.6	46.48	100	225	Peak
5610	81.53	81.43	/	/	34.98	11.6	46.48	100	225	Average

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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5470	52.81	53.23	68.2	-15.39	34.56	11.53	46.51	100	165	Peak
5690	86.22	86.45	/	/	34.6	11.63	46.46	100	165	Peak
5690	80.06	80.29	/	/	34.6	11.63	46.46	100	165	Average
5850	53.79	53.62	68.2	-14.41	34.9	11.69	46.42	100	165	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**
5470	52.13	52.85	68.2	-16.07	34.26	11.53	46.51	100	165	Peak
5690	87.04	87.53	/	/	34.34	11.63	46.46	100	165	Peak
5690	80.54	81.03	/	/	34.34	11.63	46.46	100	165	Average
5850	54.77	54.2	68.2	-13.43	35.3	11.69	46.42	100	165	Peak

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5690MHz: Fundamental frequency.
3. #: Out of restricted band.

5G WIFI-RU

802.11ax (20MHz) (RU242):

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	52.47	52.88	74	-21.53	34.58	11.52	46.51	100	165	Peak
5460	45.14	45.55	54	-8.86	34.58	11.52	46.51	100	165	Average
5470	53.26	53.68	68.2	-14.94	34.56	11.53	46.51	100	165	Peak
5500	97.11	97.56	/	/	34.5	11.56	46.51	100	165	Peak
5500	88.18	88.63	/	/	34.5	11.56	46.51	100	165	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	52.87	53.58	74	-21.13	34.28	11.52	46.51	100	225	Peak
5460	45.46	46.17	54	-8.54	34.28	11.52	46.51	100	225	Average
5470	52.91	53.63	68.2	-15.29	34.26	11.53	46.51	100	225	Peak
5500	99.44	100.19	/	/	34.2	11.56	46.51	100	225	Peak
5500	88.93	89.68	/	/	34.2	11.56	46.51	100	225	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5460	53.2	53.61	74	-20.8	34.58	11.52	46.51	100	165	Peak
5460	45.95	46.36	54	-8.05	34.58	11.52	46.51	100	165	Average
5470	54.42	54.84	68.2	-13.78	34.56	11.53	46.51	100	165	Peak
5580	97.67	98.27	/	/	34.3	11.59	46.49	100	165	Peak
5580	89.13	89.73	/	/	34.3	11.59	46.49	100	165	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	52.52	53.23	74	-21.48	34.28	11.52	46.51	100	225	Peak
5460	45.1	45.81	54	-8.9	34.28	11.52	46.51	100	225	Average
5470	53.62	54.34	68.2	-14.58	34.26	11.53	46.51	100	225	Peak
5580	100.12	100.08	/	/	34.94	11.59	46.49	100	225	Peak
5580	90.22	90.18	/	/	34.94	11.59	46.49	100	225	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5700	98.26	98.48	/	/	34.6	11.64	46.46	100	225	Peak
5700	45.97	46.19	/	/	34.6	11.64	46.46	100	225	Average
5725	54.16	54.41	68.2	-14.04	34.55	11.65	46.45	100	225	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	99.07	99.59	/	/	34.3	11.64	46.46	100	225	Peak
5700	89.11	89.63	/	/	34.3	11.64	46.46	100	225	Average
5725	53.37	53.82	68.2	-14.83	34.35	11.65	46.45	100	225	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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5470	53.04	53.46	68.2	-15.16	34.56	11.53	46.51	100	165	Peak
5720	96.89	97.14	/	/	34.56	11.64	46.45	100	165	Peak
5720	86.71	86.96	/	/	34.56	11.64	46.45	100	165	Average
5850	54.01	53.84	68.2	-14.19	34.9	11.69	46.42	100	165	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**
5470	52.89	53.61	68.2	-15.31	34.26	11.53	46.51	100	225	Peak
5720	98.25	98.72	/	/	34.34	11.64	46.45	100	225	Peak
5720	87.8	88.27	/	/	34.34	11.64	46.45	100	225	Average
5850	52.94	52.37	68.2	-15.26	35.3	11.69	46.42	100	225	Peak

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5720MHz: Fundamental frequency.
3. #: Out of restricted band.

802.11ax (40MHz) (RU484):

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.19	53.6	74	-20.81	34.58	11.52	46.51	100	170	Peak
5460	45.33	45.74	54	-8.67	34.58	11.52	46.51	100	170	Average
5470	51.94	52.36	68.2	-16.26	34.56	11.53	46.51	100	170	Peak
5510	91.77	92.25	/	/	34.46	11.56	46.5	100	170	Peak
5510	84.36	84.84	/	/	34.46	11.56	46.5	100	170	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	52.12	52.83	74	-21.88	34.28	11.52	46.51	100	235	Peak
5460	43.88	44.59	54	-10.12	34.28	11.52	46.51	100	235	Average
5470	52.54	53.26	68.2	-15.66	34.26	11.53	46.51	100	235	Peak
5510	95.71	96.35	/	/	34.3	11.56	46.5	100	235	Peak
5510	86.92	87.56	/	/	34.3	11.56	46.5	100	235	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5460	52.82	53.23	74	-21.18	34.58	11.52	46.51	100	170	Peak
5460	44.99	45.4	54	-9.01	34.58	11.52	46.51	100	170	Average
5470	52.11	52.53	68.2	-16.09	34.56	11.53	46.51	100	170	Peak
5550	92.82	93.43	/	/	34.3	11.58	46.49	100	170	Peak
5550	83.73	84.34	/	/	34.3	11.58	46.49	100	170	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	51.65	52.36	74	-22.35	34.28	11.52	46.51	100	235	Peak
5460	44.77	45.48	54	-9.23	34.28	11.52	46.51	100	235	Average
5470	50.77	51.49	68.2	-17.43	34.26	11.53	46.51	100	235	Peak
5550	97.11	97.32	/	/	34.7	11.58	46.49	100	235	Peak
5550	88.26	88.47	/	/	34.7	11.58	46.49	100	235	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) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5670	91.74	91.98	/	/	34.6	11.62	46.46	100	170	Peak
5670	82.99	83.23	/	/	34.6	11.62	46.46	100	170	Average
5725	51.6	51.85	68.2	-16.6	34.55	11.65	46.45	100	170	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	94.32	94.74	/	/	34.42	11.62	46.46	100	235	Peak
5670	86.83	87.25	/	/	34.42	11.62	46.46	100	235	Average
5725	51.32	51.77	68.2	-16.88	34.35	11.65	46.45	100	235	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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5470	53.14	53.56	68.2	-15.06	34.56	11.53	46.51	100	170	Peak
5710	90.89	91.12	/	/	34.58	11.64	46.45	100	170	Peak
5710	82.34	82.57	/	/	34.58	11.64	46.45	100	170	Average
5850	53.45	53.28	68.2	-14.75	34.9	11.69	46.42	100	170	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**
5470	52.78	53.5	68.2	-15.42	34.26	11.53	46.51	100	235	Peak
5710	94.59	95.08	/	/	34.32	11.64	46.45	100	235	Peak
5710	86.15	86.64	/	/	34.32	11.64	46.45	100	235	Average
5850	53.3	52.73	68.2	-14.9	35.3	11.69	46.42	100	235	Peak

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5710MHz: Fundamental frequency.
3. #: Out of restricted band.

802.11ax (80MHz) (RU996):

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	51.02	51.43	74	-22.98	34.58	11.52	46.51	100	170	Peak
5460	45.42	45.83	54	-8.58	34.58	11.52	46.51	100	170	Average
5470	51.82	52.24	68.2	-16.38	34.56	11.53	46.51	100	170	Peak
5530	87.32	87.87	/	/	34.38	11.57	46.5	100	170	Peak
5530	80.81	81.36	/	/	34.38	11.57	46.5	100	170	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	50.91	51.62	74	-23.09	34.28	11.52	46.51	100	235	Peak
5460	45.65	46.36	54	-8.35	34.28	11.52	46.51	100	235	Average
5470	50.82	51.54	68.2	-17.38	34.26	11.53	46.51	100	235	Peak
5530	90.8	91.23	/	/	34.5	11.57	46.5	100	235	Peak
5530	84.29	84.72	/	/	34.5	11.57	46.5	100	235	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5460	52.99	53.4	74	-21.01	34.58	11.52	46.51	100	170	Peak
5460	45.46	45.87	54	-8.54	34.58	11.52	46.51	100	170	Average
5470	51.36	51.78	68.2	-16.84	34.56	11.53	46.51	100	170	Peak
5610	88.05	88.57	/	/	34.36	11.6	46.48	100	170	Peak
5610	80.02	80.54	/	/	34.36	11.6	46.48	100	170	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	52.4	53.11	74	-21.6	34.28	11.52	46.51	100	235	Peak
5460	45.13	45.84	54	-8.87	34.28	11.52	46.51	100	235	Average
5470	52.24	52.96	68.2	-15.96	34.26	11.53	46.51	100	235	Peak
5610	91.52	91.42	/	/	34.98	11.6	46.48	100	235	Peak
5610	83.94	83.84	/	/	34.98	11.6	46.48	100	235	Average

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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5470	52.35	52.77	68.2	-15.85	34.56	11.53	46.51	100	170	Peak
5690	87.22	87.45	/	/	34.6	11.63	46.46	100	170	Peak
5690	79.62	79.85	/	/	34.6	11.63	46.46	100	170	Average
5850	53.82	53.65	68.2	-14.38	34.9	11.69	46.42	100	170	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**
5470	51.43	52.15	68.2	-16.77	34.26	11.53	46.51	100	235	Peak
5690	90.45	90.94	/	/	34.34	11.63	46.46	100	235	Peak
5690	83.74	84.23	/	/	34.34	11.63	46.46	100	235	Average
5850	53.85	53.28	68.2	-14.35	35.3	11.69	46.42	100	235	Peak

REMARKS:

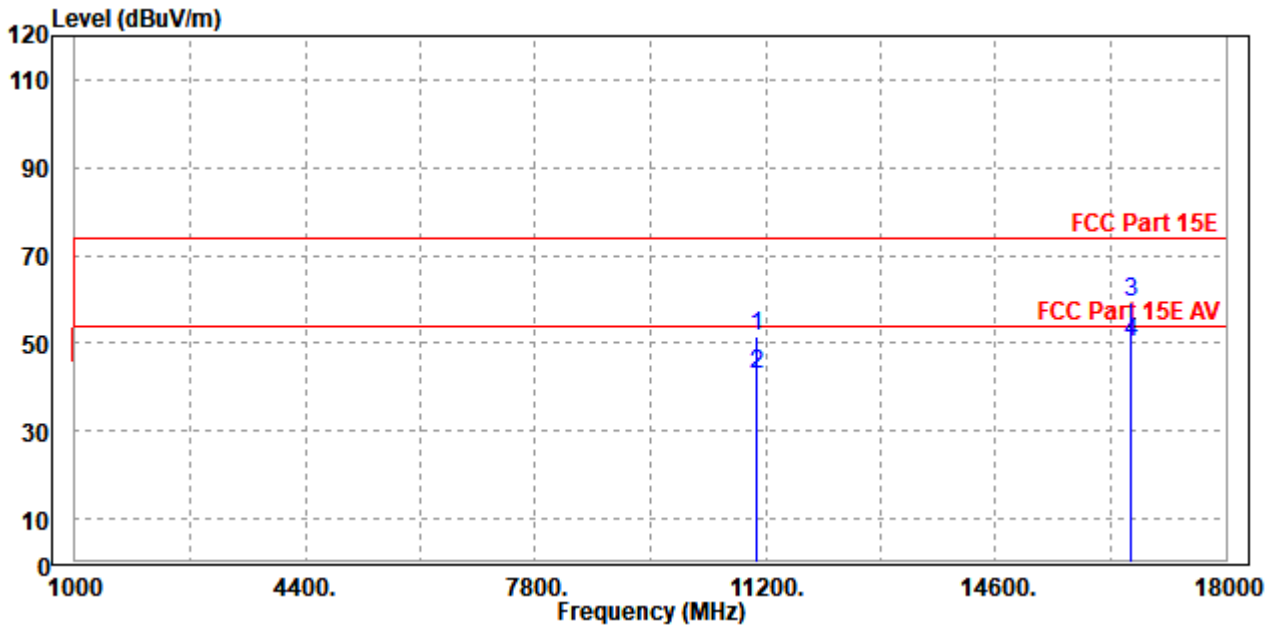
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5690MHz: Fundamental frequency.
3. #: Out of restricted band.

802.11ax (80MHz):
Worst case harmonic:

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

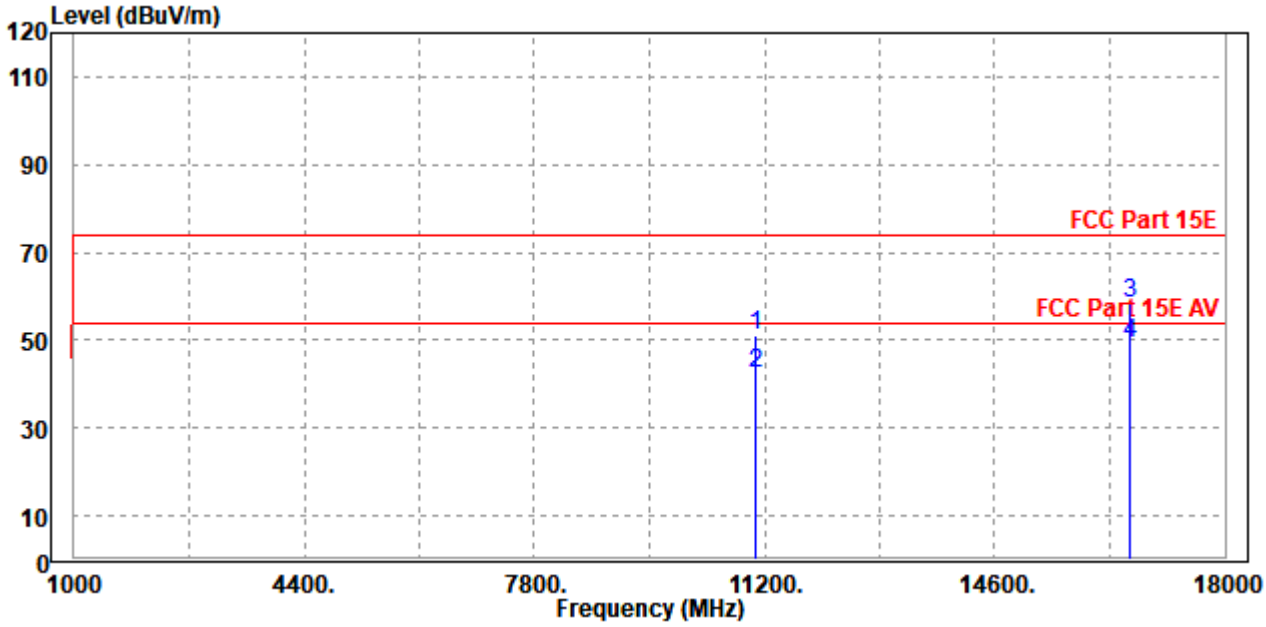
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	11060.000	51.56	44.58	74.00	-22.44	6.98	Peak	Horizontal
2	11060.000	43.10	36.12	54.00	-10.90	6.98	Average	Horizontal
3	PK16589.000	59.25	41.24	74.00	-14.75	18.01	Peak	Horizontal
4	PP16589.000	50.16	32.15	54.00	-3.84	18.01	Average	Horizontal



ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	11064.000	50.90	43.39	74.00	-23.10	7.51	Peak	Vertical
2	11064.000	42.40	34.89	54.00	-11.60	7.51	Average	Vertical
3	PK16590.000	58.34	40.53	74.00	-15.66	17.81	Peak	Vertical
4	PP16590.000	49.09	31.28	54.00	-4.91	17.81	Average	Vertical



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5530MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

Band 4:

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5745	100.03	100.31	/	/	34.51	11.65	46.44	100	195	Peak
5745	91.27	91.55	/	/	34.51	11.65	46.44	100	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
5745	101.01	101.41	/	/	34.39	11.65	46.44	100	235	Peak
5745	93.21	93.61	/	/	34.39	11.65	46.44	100	235	Average

REMARKS:

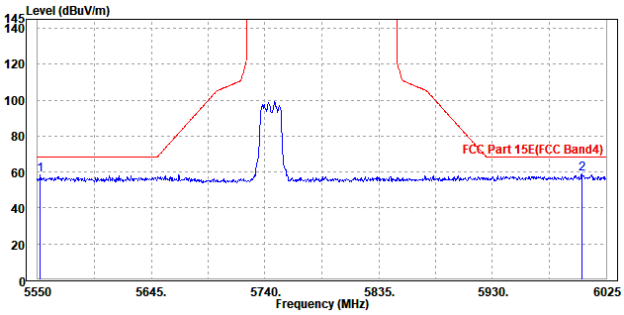
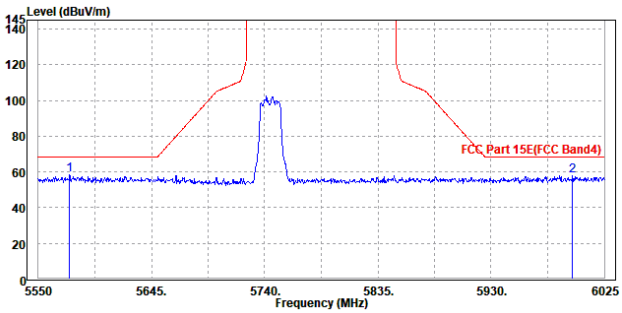
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5745MHz: Fundamental frequency.

OOBE DATA

802.11a

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5552.375	58.28	58.89	68.2	-9.92	34.3	11.58	46.49	100	0	Peak
6004.575	58.75	58.26	68.2	-9.45	35.11	11.76	46.38	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
5576.125	58.3	58.29	68.2	-9.9	34.91	11.59	46.49	100	360	Peak
5998.4	58.14	57.77	68.2	-10.06	35	11.75	46.38	100	360	Peak

CH 149

Horizontal	Vertical
	

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5785	98.5	98.62	/	/	34.64	11.67	46.43	100	195	Peak
5785	90.5	90.62	/	/	34.64	11.67	46.43	100	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	101.21	101.22	/	/	34.75	11.67	46.43	100	235	Peak
5785	92.54	92.55	/	/	34.75	11.67	46.43	100	235	Average

REMARKS:

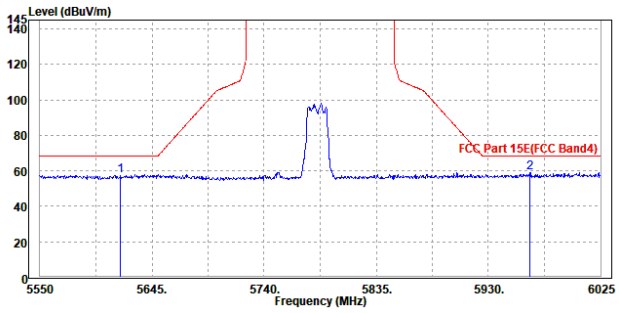
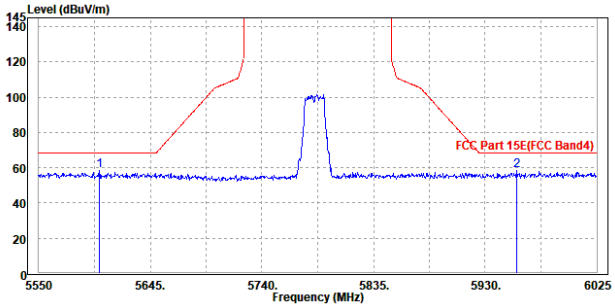
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5785MHz: Fundamental frequency.

OOBE DATA

802.11a

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5618.4	57.6	58.07	68.2	-10.6	34.41	11.6	46.48	100	360	Peak
5965.15	58.78	58.33	68.2	-9.42	35.1	11.74	46.39	100	360	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
5601.3	58.23	58.03	68.2	-9.97	35.08	11.6	46.48	100	0	Peak
5957.075	58.36	58.11	68.2	-9.84	34.91	11.73	46.39	100	0	Peak

CH 157

Horizontal	Vertical
	

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5825	97.55	97.49	/	/	34.8	11.68	46.42	100	195	Peak
5825	89.67	89.61	/	/	34.8	11.68	46.42	100	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	101.2	100.84	/	/	35.1	11.68	46.42	100	235	Peak
5825	90.94	90.58	/	/	35.1	11.68	46.42	100	235	Average

REMARKS:

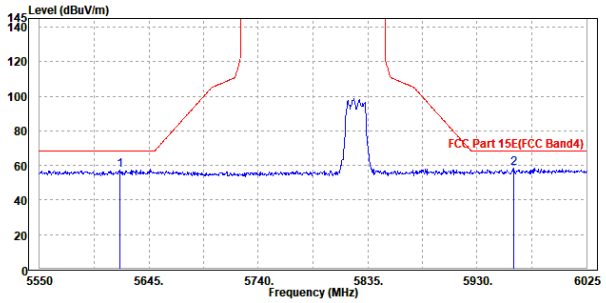
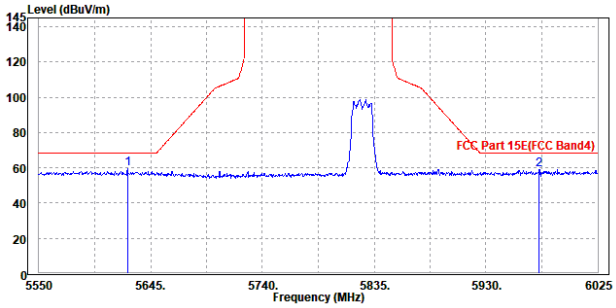
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5825MHz: Fundamental frequency.

OOBE DATA

802.11a

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5619.825	57.36	57.81	68.2	-10.84	34.42	11.61	46.48	100	0	Peak
5961.825	58.43	57.98	68.2	-9.77	35.1	11.74	46.39	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
5625.525	59.67	59.74	68.2	-8.53	34.79	11.61	46.47	100	0	Peak
5975.125	59.17	58.87	68.2	-9.03	34.95	11.74	46.39	100	0	Peak

CH 165

Horizontal	Vertical
	

802.11n (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5745	96.28	96.56	/	/	34.51	11.65	46.44	100	195	Peak
5745	86.35	86.63	/	/	34.51	11.65	46.44	100	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
5745	97.89	98.29	/	/	34.39	11.65	46.44	100	235	Peak
5745	88.96	89.36	/	/	34.39	11.65	46.44	100	235	Average

REMARKS:

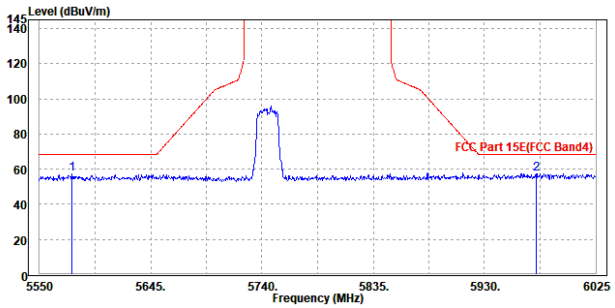
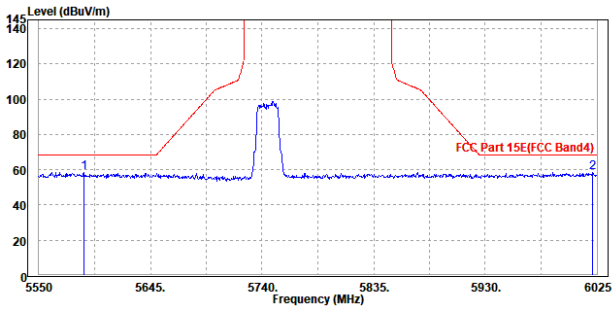
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5745MHz: Fundamental frequency.

OOBE DATA

802.11n (20MHZ)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5578.025	57.36	57.96	68.2	-10.84	34.3	11.59	46.49	100	0	Peak
5974.175	57.5	57.05	68.2	-10.7	35.1	11.74	46.39	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
5588.475	58.44	58.32	68.2	-9.76	35.01	11.59	46.48	100	360	Peak
6021.2	58.48	57.91	68.2	-9.72	35.17	11.78	46.38	100	360	Peak

CH 149

Horizontal	Vertical
	

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5785	95.95	96.07	/	/	34.64	11.67	46.43	100	195	Peak
5785	87.23	87.35	/	/	34.64	11.67	46.43	100	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	98.94	98.95	/	/	34.75	11.67	46.43	100	235	Peak
5785	89.43	89.44	/	/	34.75	11.67	46.43	100	235	Average

REMARKS:

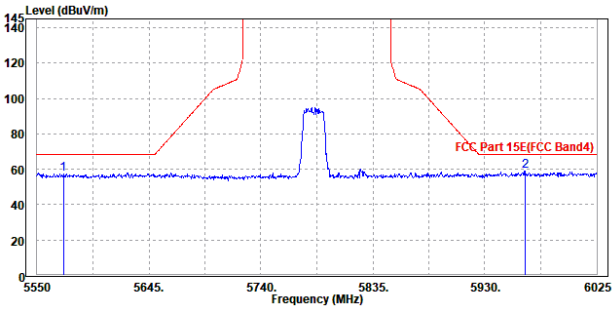
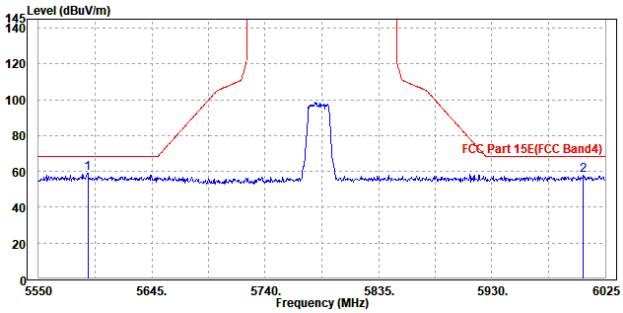
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5785MHz: Fundamental frequency.

OOBE DATA

802.11n (20MHZ)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV /m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5572.325	57.47	58.07	68.2	-10.73	34.3	11.59	46.49	100	360	Peak
5964.2	59.17	58.72	68.2	-9.03	35.1	11.74	46.39	100	360	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
5591.325	59.09	58.95	68.2	-9.11	35.03	11.59	46.48	100	0	Peak
6006.475	57.65	57.22	68.2	-10.55	35.05	11.76	46.38	100	0	Peak

CH 157

Horizontal	Vertical
	

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5825	95.34	95.28	/	/	34.8	11.68	46.42	100	195	Peak
5825	85.09	85.03	/	/	34.8	11.68	46.42	100	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	98.18	97.82	/	/	35.1	11.68	46.42	100	235	Peak
5825	88.21	87.85	/	/	35.1	11.68	46.42	100	235	Average

REMARKS:

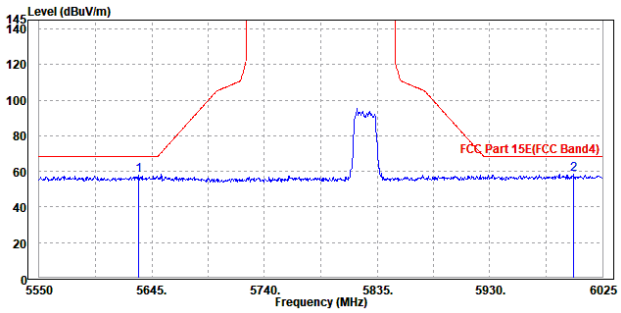
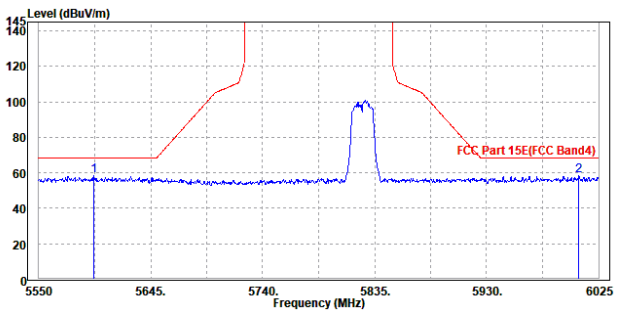
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5825MHz: Fundamental frequency.

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
5633.6	57.87	58.23	68.2	-10.33	34.5	11.61	46.47	100	0	Peak
6000.775	58.41	57.94	68.2	-9.79	35.1	11.75	46.38	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
5596.55	58.2	58.01	68.2	-10	35.07	11.6	46.48	100	360	Peak
6008.375	58.39	57.94	68.2	-9.81	35.07	11.76	46.38	100	360	Peak

CH 165

Horizontal	Vertical
	

802.11n (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5755	91.89	92.15	/	/	34.52	11.66	46.44	100	195	Peak
5755	84	84.26	/	/	34.52	11.66	46.44	100	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
5755	93.8	94.13	/	/	34.45	11.66	46.44	100	235	Peak
5755	84.93	85.26	/	/	34.45	11.66	46.44	100	235	Average

REMARKS:

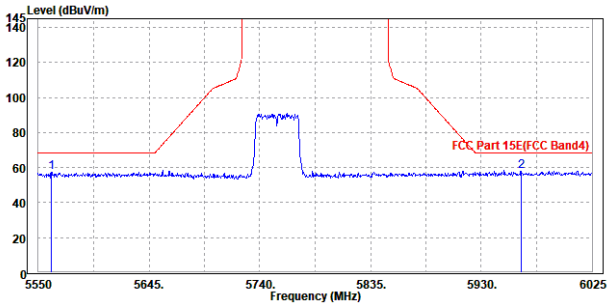
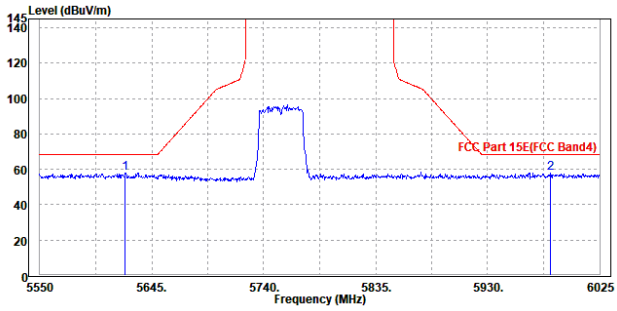
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5755MHz: Fundamental frequency.

OOBE DATA

802.11n (40MHZ)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5561.4	57.29	57.9	68.2	-10.91	34.3	11.58	46.49	100	360	Peak
5964.2	58.16	57.71	68.2	-10.04	35.1	11.74	46.39	100	360	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
5622.675	58.16	58.19	68.2	-10.04	34.83	11.61	46.47	100	0	Peak
5983.675	58.01	57.68	68.2	-10.19	34.97	11.74	46.38	100	0	Peak

CH 151

Horizontal	Vertical
	

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5795	93.08	93.16	/	/	34.68	11.67	46.43	100	195	Peak
5795	84.88	84.96	/	/	34.68	11.67	46.43	100	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
5795	95.5	95.41	/	/	34.85	11.67	46.43	100	235	Peak
5795	86.46	86.37	/	/	34.85	11.67	46.43	100	235	Average

REMARKS:

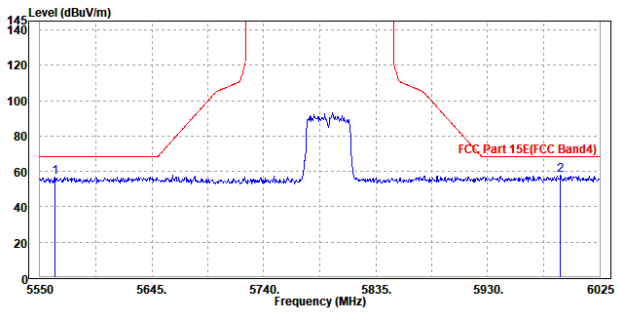
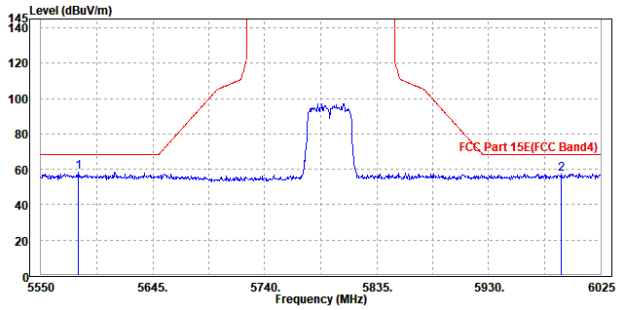
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5795MHz: Fundamental frequency.

OOBE DATA

802.11n (40MHZ)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5562.825	56.73	57.34	68.2	-11.47	34.3	11.58	46.49	100	0	Peak
5991.75	57.74	57.27	68.2	-10.46	35.1	11.75	46.38	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
5581.825	58.36	58.3	68.2	-9.84	34.95	11.59	46.48	100	360	Peak
5991.75	57.57	57.22	68.2	-10.63	34.98	11.75	46.38	100	360	Peak

CH 159

Horizontal	Vertical
	

802.11ac (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5775	87.6	87.78	/	/	34.6	11.66	46.44	100	195	Peak
5775	78.83	79.01	/	/	34.6	11.66	46.44	100	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
5775	92.33	92.46	/	/	34.65	11.66	46.44	100	260	Peak
5775	84.34	84.47	/	/	34.65	11.66	46.44	100	260	Average

REMARKS:

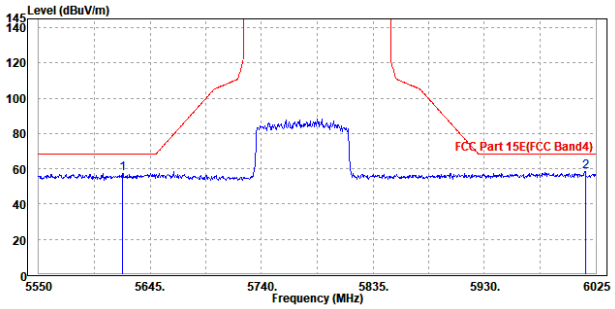
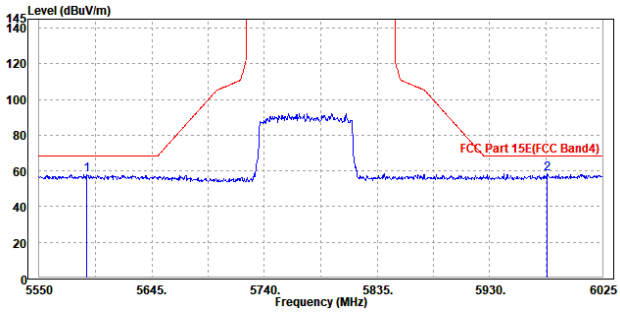
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5775MHz: Fundamental frequency.

OOBE DATA

802.11ac (80MHZ)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5621.725	57.52	57.95	68.2	-10.68	34.43	11.61	46.47	100	360	Peak
6015.975	58.27	57.75	68.2	-9.93	35.13	11.77	46.38	100	360	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
5589.9	57.79	57.66	68.2	-10.41	35.02	11.59	46.48	100	0	Peak
5978.45	58.58	58.27	68.2	-9.62	34.96	11.74	46.39	100	0	Peak

CH 155

Horizontal	Vertical
	

802.11ax (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5745	92.47	92.75	/	/	34.51	11.65	46.44	100	195	Peak
5745	85.17	85.45	/	/	34.51	11.65	46.44	100	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
5745	95.68	96.08	/	/	34.39	11.65	46.44	100	235	Peak
5745	87.92	88.32	/	/	34.39	11.65	46.44	100	235	Average

REMARKS:

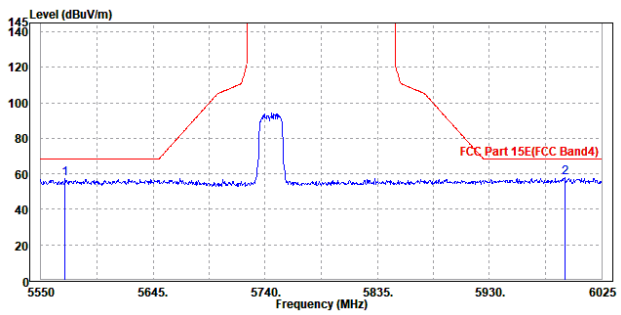
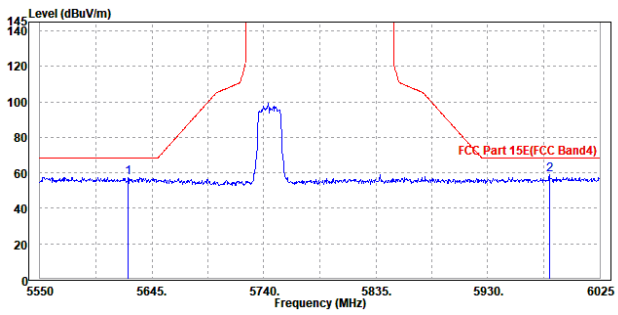
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5745MHz: Fundamental frequency.

OOBE DATA

802.11ax (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
5570.425	57.13	57.73	68.2	-11.07	34.3	11.59	46.49	100	360	Peak
5993.65	57.76	57.29	68.2	-10.44	35.1	11.75	46.38	100	360	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
5625.05	57.61	57.67	68.2	-10.59	34.8	11.61	46.47	100	0	Peak
5982.25	59.21	58.89	68.2	-8.99	34.96	11.74	46.38	100	0	Peak

CH 149

Horizontal	Vertical
	

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5785	93.74	93.86	/	/	34.64	11.67	46.43	100	195	Peak
5785	85.06	85.18	/	/	34.64	11.67	46.43	100	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	99.28	99.29	/	/	34.75	11.67	46.43	100	260	Peak
5785	90.8	90.81	/	/	34.75	11.67	46.43	100	260	Average

REMARKS:

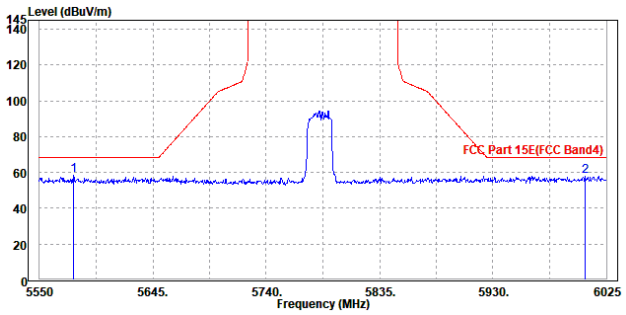
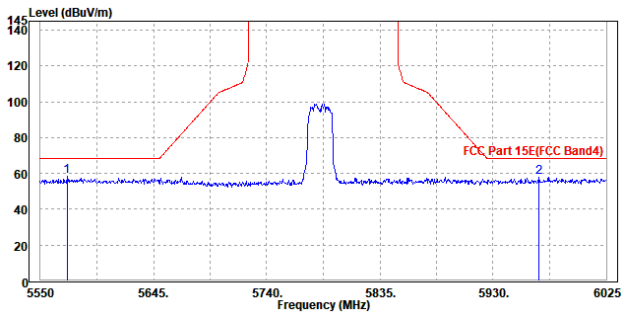
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5785MHz: Fundamental frequency.

OOBE DATA

802.11ax (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
5578.5	58.17	58.77	68.2	-10.03	34.3	11.59	46.49	100	0	Peak
6006.95	57.76	57.27	68.2	-10.44	35.11	11.76	46.38	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
5572.325	58.54	58.56	68.2	-9.66	34.88	11.59	46.49	100	360	Peak
5968.475	57.75	57.46	68.2	-10.45	34.94	11.74	46.39	100	360	Peak

CH 157

Horizontal	Vertical
	

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5825	94.16	94.1	/	/	34.8	11.68	46.42	100	195	Peak
5825	84.5	84.44	/	/	34.8	11.68	46.42	100	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	102.01	101.65	/	/	35.1	11.68	46.42	100	260	Peak
5825	92.46	92.1	/	/	35.1	11.68	46.42	100	260	Average

REMARKS:

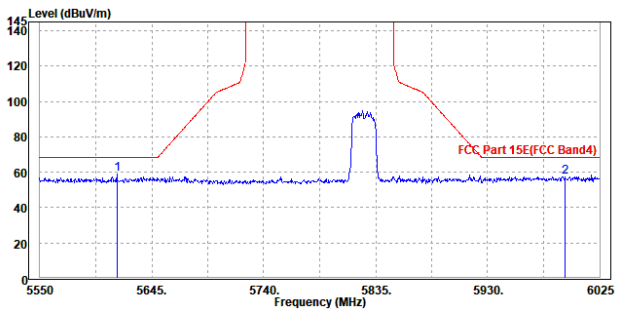
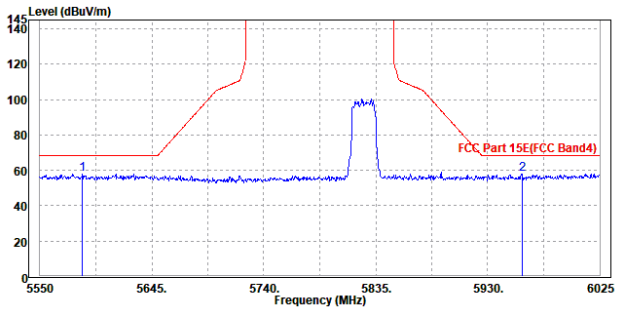
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5825MHz: Fundamental frequency.

OOBE DATA

802.11ax (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
5615.55	58.78	59.27	68.2	-9.42	34.39	11.6	46.48	100	0	Peak
5996.025	57.57	57.1	68.2	-10.63	35.1	11.75	46.38	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
5586.1	57.96	57.86	68.2	-10.24	34.99	11.59	46.48	100	360	Peak
5958.975	58.05	57.79	68.2	-10.15	34.92	11.73	46.39	100	360	Peak

CH 165

Horizontal	Vertical
	

802.11ax (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5755	91.1	91.36	/	/	34.52	11.66	46.44	100	195	Peak
5755	82.75	83.01	/	/	34.52	11.66	46.44	100	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
5755	97.44	97.77	/	/	34.45	11.66	46.44	100	260	Peak
5755	87.88	88.21	/	/	34.45	11.66	46.44	100	260	Average

REMARKS:

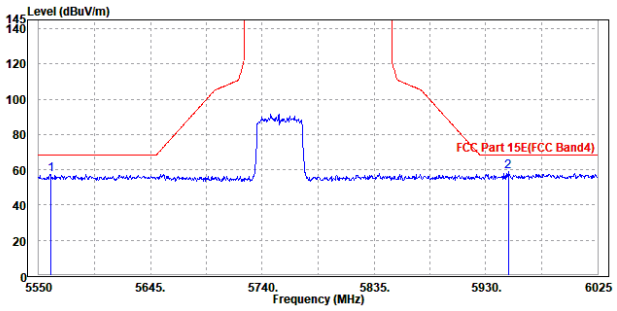
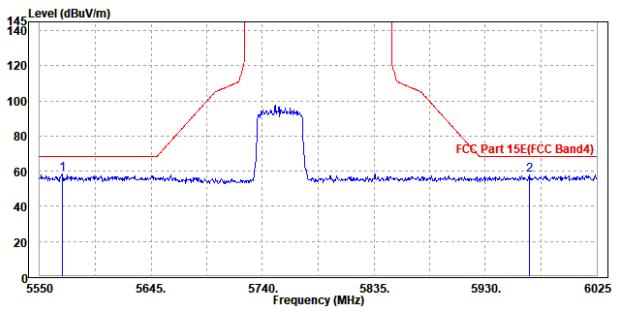
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5755MHz: Fundamental frequency.

OOBE DATA

802.11ax (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
5559.975	57.58	58.19	68.2	-10.62	34.3	11.58	46.49	100	360	Peak
5949	58.92	58.48	68.2	-9.28	35.1	11.73	46.39	100	360	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
5569.475	58.35	58.39	68.2	-9.85	34.86	11.59	46.49	100	0	Peak
5967.525	57.83	57.54	68.2	-10.37	34.94	11.74	46.39	100	0	Peak

CH 151

Horizontal	Vertical
	

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5795	91.23	91.31	/	/	34.68	11.67	46.43	100	195	Peak
5795	82.48	82.56	/	/	34.68	11.67	46.43	100	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
5795	97.61	97.52	/	/	34.85	11.67	46.43	100	260	Peak
5795	88.93	88.84	/	/	34.85	11.67	46.43	100	260	Average

REMARKS:

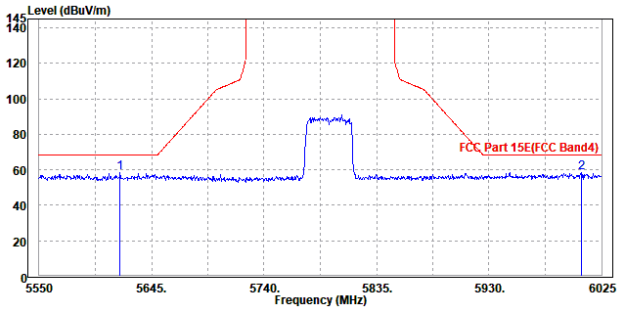
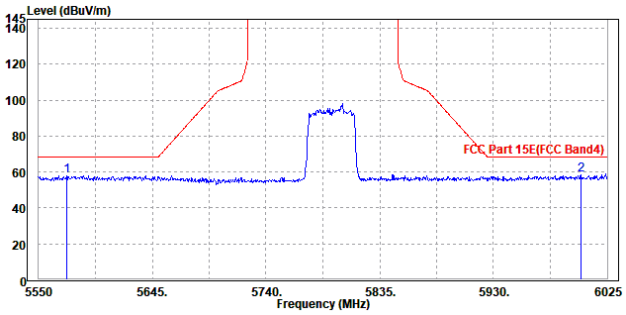
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5795MHz: Fundamental frequency.

OOBE DATA

802.11ax (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
5618.4	58.43	58.9	68.2	-9.77	34.41	11.6	46.48	100	0	Peak
6008.375	58.5	58	68.2	-9.7	35.12	11.76	46.38	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
5573.275	58.05	58.06	68.2	-10.15	34.89	11.59	46.49	100	360	Peak
6003.15	58.23	57.83	68.2	-9.97	35.03	11.75	46.38	100	360	Peak

CH 159

Horizontal	Vertical
	

802.11ax (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5775	87.6	87.78	/	/	34.6	11.66	46.44	100	195	Peak
5775	78.83	79.01	/	/	34.6	11.66	46.44	100	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
5775	92.33	92.46	/	/	34.65	11.66	46.44	100	260	Peak
5775	84.34	84.47	/	/	34.65	11.66	46.44	100	260	Average

REMARKS:

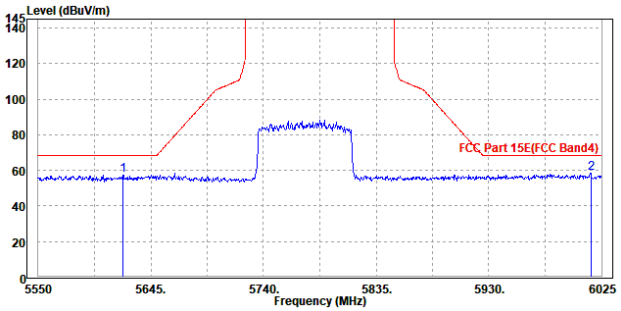
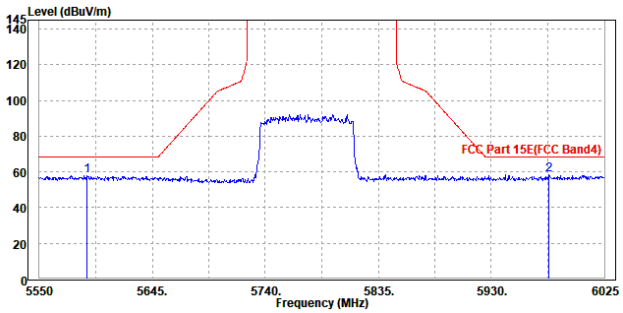
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5775MHz: Fundamental frequency.

OOBE DATA

802.11ax (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
5621.725	57.52	57.95	68.2	-10.68	34.43	11.61	46.47	100	360	Peak
6015.975	58.27	57.75	68.2	-9.93	35.13	11.77	46.38	100	360	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
5589.9	57.79	57.66	68.2	-10.41	35.02	11.59	46.48	100	0	Peak
5978.45	58.58	58.27	68.2	-9.62	34.96	11.74	46.39	100	0	Peak

CH 155

Horizontal	Vertical
	

5G WIFI-RU

802.11ax (20MHz) (RU242):

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5745	95.37	95.65	/	/	34.51	11.65	46.44	100	195	Peak
5745	86.1	86.38	/	/	34.51	11.65	46.44	100	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
5745	98.13	98.53	/	/	34.39	11.65	46.44	100	260	Peak
5745	91.04	91.44	/	/	34.39	11.65	46.44	100	260	Average

REMARKS:

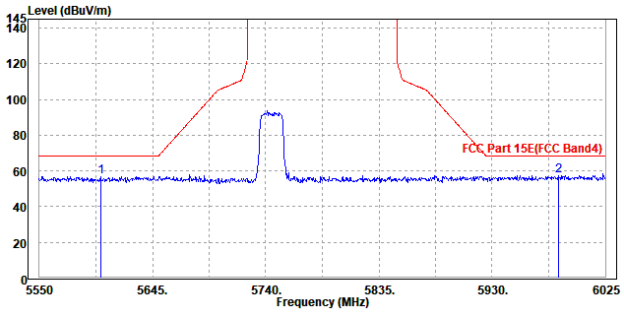
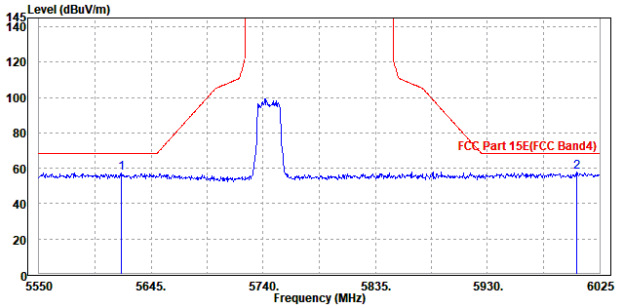
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5745MHz: Fundamental frequency.

OOBE DATA

802.11ax (20MHz) (RU242):

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
5601.3	56.9	57.47	68.2	-11.3	34.31	11.6	46.48	100	0	Peak
5985.575	57.59	57.13	68.2	-10.61	35.1	11.74	46.38	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
5619.825	57.4	57.41	68.2	-10.8	34.86	11.61	46.48	100	360	Peak
6005.525	57.73	57.31	68.2	-10.47	35.04	11.76	46.38	100	360	Peak

CH 149

Horizontal	Vertical
	

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5785	94.66	94.78	/	/	34.64	11.67	46.43	100	195	Peak
5785	85.39	85.51	/	/	34.64	11.67	46.43	100	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	99.91	99.92	/	/	34.75	11.67	46.43	100	260	Peak
5785	91.2	91.21	/	/	34.75	11.67	46.43	100	260	Average

REMARKS:

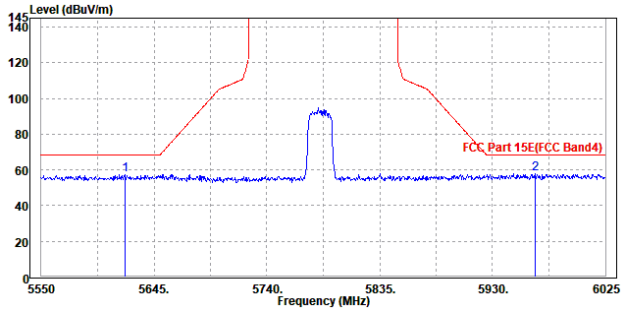
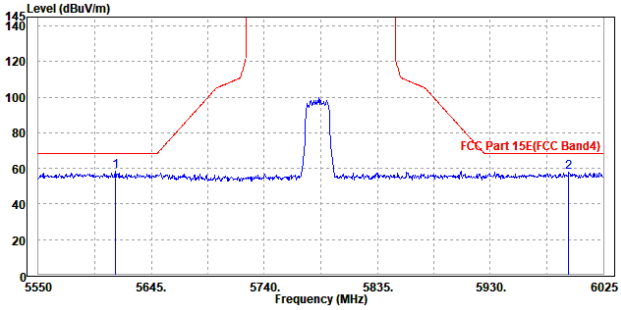
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5785MHz: Fundamental frequency.

OOBE DATA

802.11ax (20MHz) (RU242):

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV /m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5620.3	57.39	57.83	68.2	-10.81	34.42	11.61	46.47	100	360	Peak
5965.625	57.98	57.53	68.2	-10.22	35.1	11.74	46.39	100	360	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
5615.075	58.25	58.21	68.2	-9.95	34.92	11.6	46.48	100	0	Peak
5996.025	57.79	57.43	68.2	-10.41	34.99	11.75	46.38	100	0	Peak

CH 157

Horizontal	Vertical
	

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5825	94.61	94.55	/	/	34.8	11.68	46.42	100	195	Peak
5825	83.79	83.73	/	/	34.8	11.68	46.42	100	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	100.59	100.23	/	/	35.1	11.68	46.42	100	260	Peak
5825	92.32	91.96	/	/	35.1	11.68	46.42	100	260	Average

REMARKS:

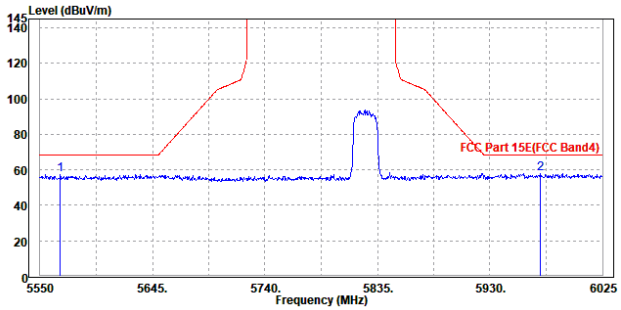
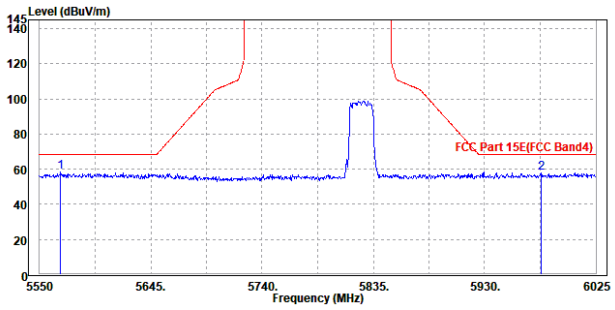
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5825MHz: Fundamental frequency.

OOBE DATA

802.11ax (20MHz) (RU242):

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
5567.1	57.3	57.9	68.2	-10.9	34.3	11.59	46.49	100	0	Peak
5972.275	57.85	57.4	68.2	-10.35	35.1	11.74	46.39	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
5568.05	58.41	58.47	68.2	-9.79	34.84	11.59	46.49	100	360	Peak
5977.975	57.79	57.48	68.2	-10.41	34.96	11.74	46.39	100	360	Peak

CH 165

Horizontal	Vertical
	

802.11ax (40MHz) (RU484):

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5755	92.46	92.72	/	/	34.52	11.66	46.44	100	195	Peak
5755	84.84	85.1	/	/	34.52	11.66	46.44	100	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
5755	98.2	98.53	/	/	34.45	11.66	46.44	100	260	Peak
5755	88.78	89.11	/	/	34.45	11.66	46.44	100	260	Average

REMARKS:

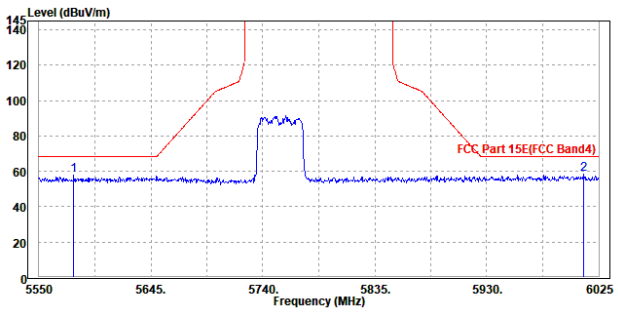
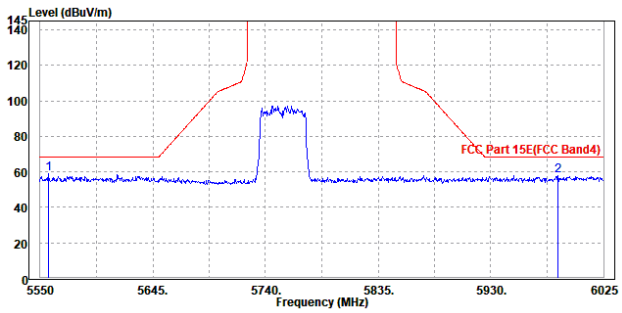
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5755MHz: Fundamental frequency.

OOBE DATA

802.11ax (40MHz) (RU484):

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
5579.45	58.03	58.63	68.2	-10.17	34.3	11.59	46.49	100	360	Peak
6012.175	58.23	57.72	68.2	-9.97	35.12	11.77	46.38	100	360	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
5556.65	58.72	58.88	68.2	-9.48	34.75	11.58	46.49	100	0	Peak
5986.525	58.06	57.73	68.2	-10.14	34.97	11.74	46.38	100	0	Peak

CH 151

Horizontal	Vertical
	

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5795	93.05	93.13	/	/	34.68	11.67	46.43	100	195	Peak
5795	84.21	84.29	/	/	34.68	11.67	46.43	100	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**
5795	97.79	97.7	/	/	34.85	11.67	46.43	100	260	Peak
5795	89.07	88.98	/	/	34.85	11.67	46.43	100	260	Average

REMARKS:

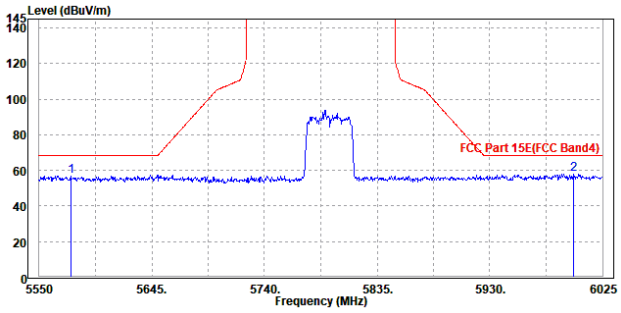
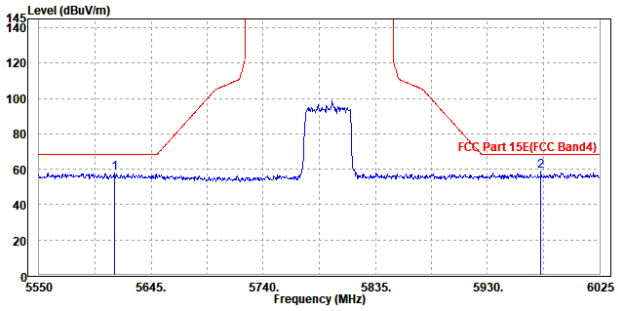
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5795MHz: Fundamental frequency.

OOBE DATA

802.11ax (40MHz) (RU484):

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
5576.6	56.87	57.47	68.2	-11.33	34.3	11.59	46.49	100	0	Peak
6000.3	58.14	57.67	68.2	-10.06	35.1	11.75	46.38	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
5613.65	57.99	57.93	68.2	-10.21	34.94	11.6	46.48	100	360	Peak
5975.125	58.96	58.66	68.2	-9.24	34.95	11.74	46.39	100	360	Peak

CH 159

Horizontal	Vertical
	

802.11ax (80MHz) (RU996):

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5775	88.09	88.27	/	/	34.6	11.66	46.44	100	195	Peak
5775	80.98	81.16	/	/	34.6	11.66	46.44	100	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
5775	92.72	92.85	/	/	34.65	11.66	46.44	100	260	Peak
5775	84.96	85.09	/	/	34.65	11.66	46.44	100	260	Average

REMARKS:

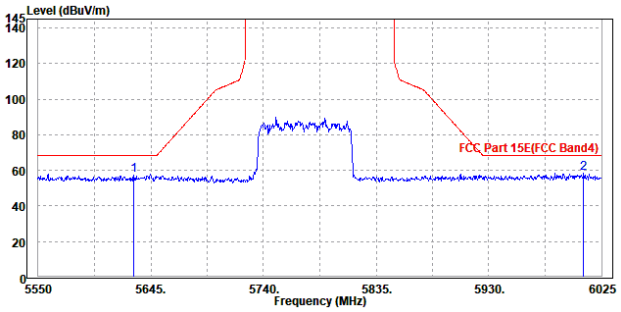
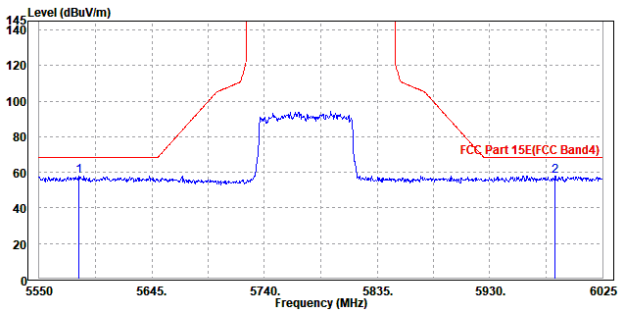
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5775MHz: Fundamental frequency.

OOBE DATA

802.11ax (80MHz) (RU996):

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
5630.275	57.17	57.55	68.2	-11.03	34.48	11.61	46.47	100	360	Peak
6009.8	58.24	57.74	68.2	-9.96	35.12	11.76	46.38	100	360	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
5583.25	57.74	57.66	68.2	-10.46	34.97	11.59	46.48	100	0	Peak
5985.1	57.87	57.54	68.2	-10.33	34.97	11.74	46.38	100	0	Peak

CH 155

Horizontal	Vertical
	

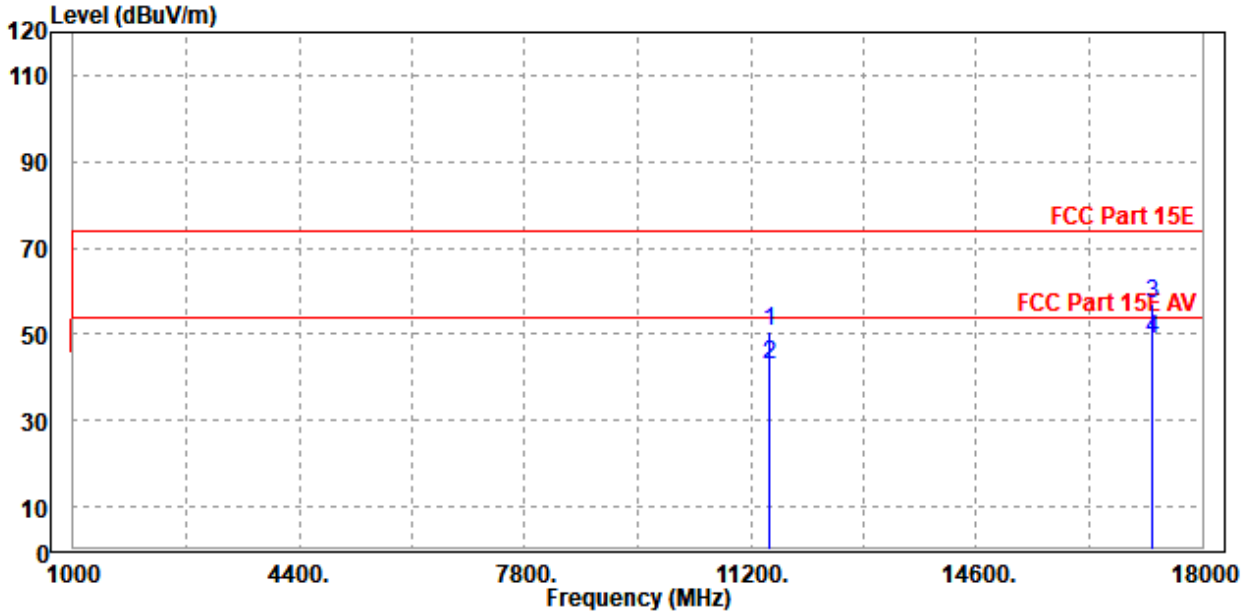
802.11ax (20MHz):

Worst case harmonic:

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

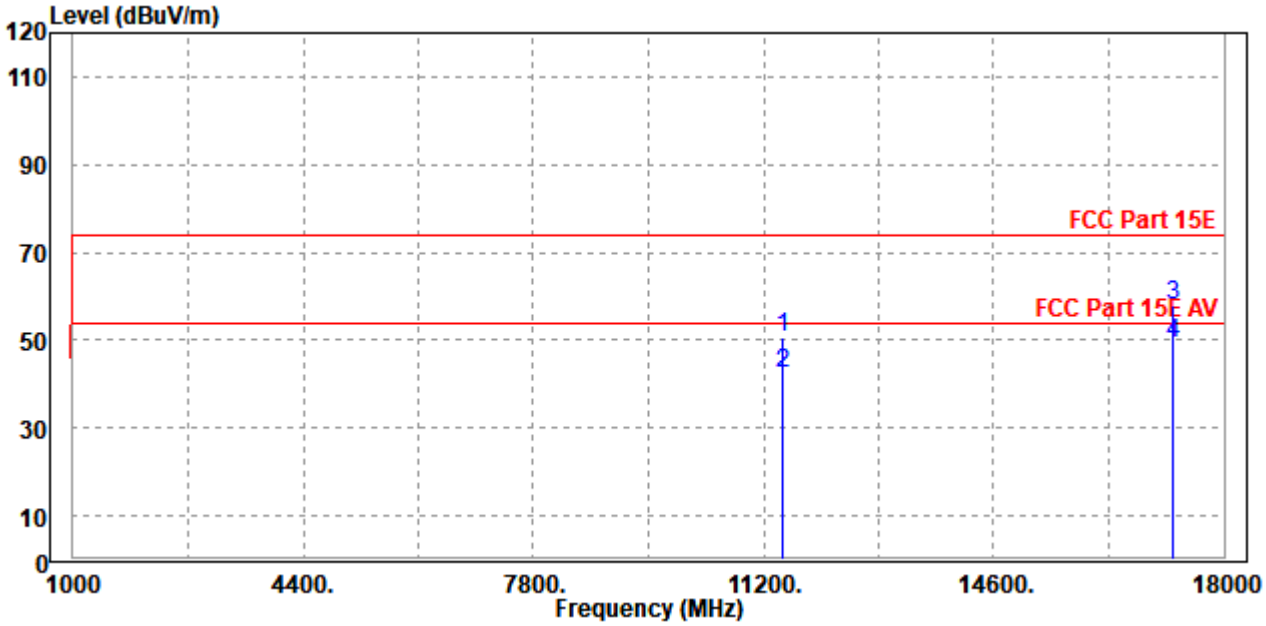
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	11489.000	50.75	43.10	74.00	-23.25	7.65	Peak	Horizontal
2	11489.000	42.68	35.03	54.00	-11.32	7.65	Average	Horizontal
3	PK17235.000	57.12	40.26	74.00	-16.88	16.86	Peak	Horizontal
4	PP17235.000	48.99	32.13	54.00	-5.01	16.86	Average	Horizontal



ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	11490.000	50.85	43.58	74.00	-23.15	7.27	Peak	Vertical
2	11490.000	42.51	35.24	54.00	-11.49	7.27	Average	Vertical
3	PK17235.000	58.13	42.14	74.00	-15.87	15.99	Peak	Vertical
4	PP17235.000	49.24	33.25	54.00	-4.76	15.99	Average	Vertical



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5745MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

3.2 CONDUCTED EMISSION MEASUREMENT

3.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

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

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

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

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

3.2.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR3	101900	Feb. 14,24	Feb. 13,25
EMC32 test software	Rohde&Schwarz	EMC32	NA	NA	NA
LISN network	Rohde&Schwarz	ENV216	101922	Mar. 10,24	Mar. 09,25

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.

3.2.3 TEST PROCEDURES

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

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

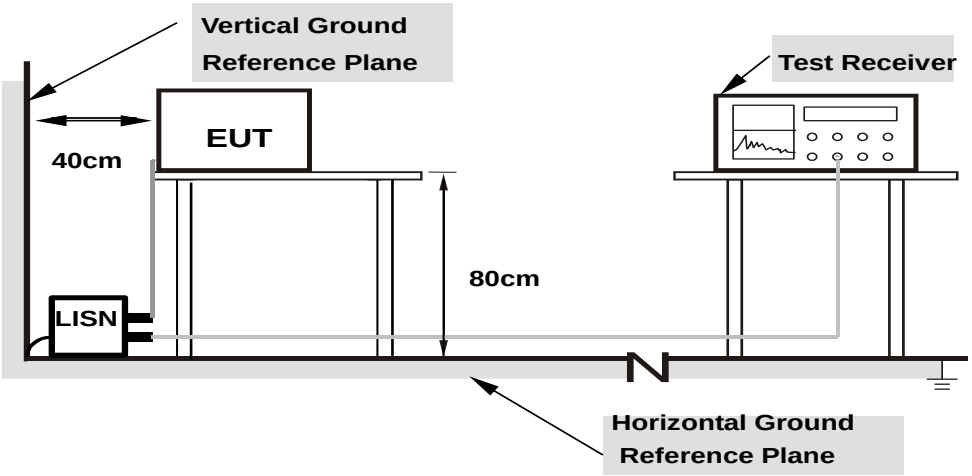
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

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

3.2.4 DEVIATION FROM TEST STANDARD

No deviation.

3.2.5 TEST SETUP



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

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

3.2.6 EUT OPERATING CONDITIONS

Same as 3.1.7.

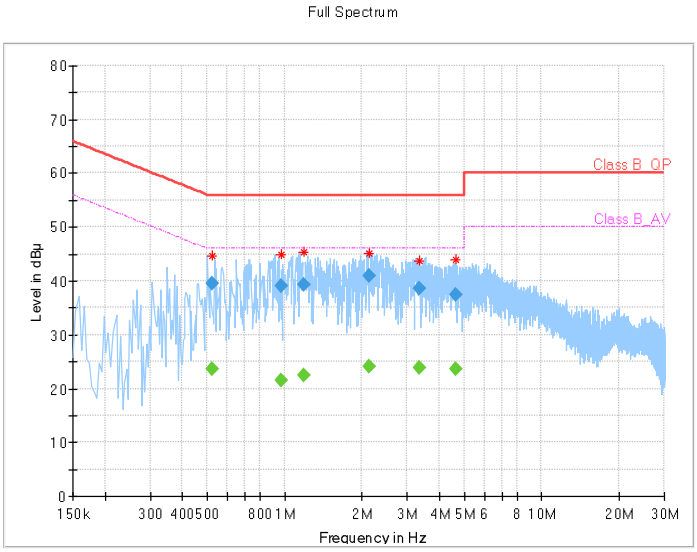
3.2.7 TEST RESULTS

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 (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.520000	---	23.69	46.00	22.31	L1	ON	9.8
0.520000	39.49	---	56.00	16.51	L1	ON	9.8
0.976000	---	21.51	46.00	24.49	L1	ON	9.8
0.976000	39.11	---	56.00	16.89	L1	ON	9.8
1.188000	---	22.50	46.00	23.50	L1	ON	9.8
1.188000	39.34	---	56.00	16.66	L1	ON	9.8
2.140000	---	24.17	46.00	21.83	L1	ON	9.8
2.140000	40.87	---	56.00	15.13	L1	ON	9.8
3.336000	---	23.90	46.00	22.10	L1	ON	9.8
3.336000	38.68	---	56.00	17.32	L1	ON	9.8
4.648000	---	23.69	46.00	22.31	L1	ON	9.7
4.648000	37.34	---	56.00	18.66	L1	ON	9.7

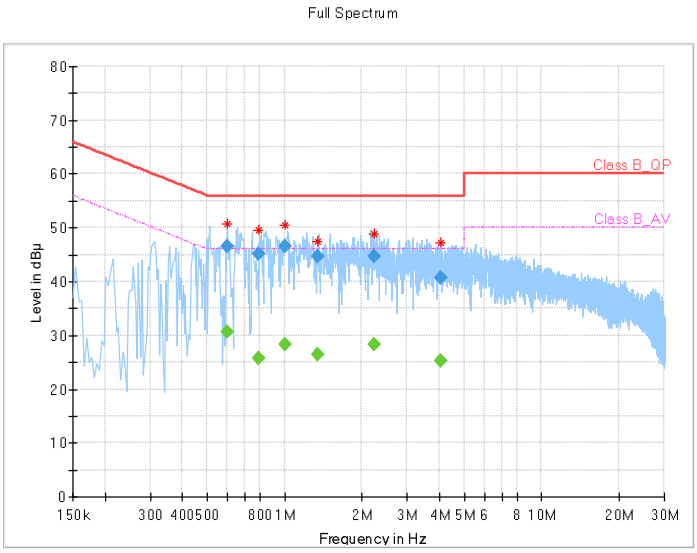
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Limit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



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 (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.600000	---	30.68	46.00	15.32	N	ON	9.7
0.600000	46.64	---	56.00	9.36	N	ON	9.7
0.792000	---	25.81	46.00	20.19	N	ON	9.7
0.792000	45.20	---	56.00	10.80	N	ON	9.7
1.004000	---	28.39	46.00	17.61	N	ON	9.7
1.004000	46.51	---	56.00	9.49	N	ON	9.7
1.348000	---	26.44	46.00	19.56	N	ON	9.7
1.348000	44.72	---	56.00	11.28	N	ON	9.7
2.220000	---	28.31	46.00	17.69	N	ON	9.8
2.220000	44.77	---	56.00	11.23	N	ON	9.8
4.040000	---	25.32	46.00	20.68	N	ON	9.7
4.040000	40.76	---	56.00	15.24	N	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.



3.3 MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

3.3.1 LIMITS OF MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

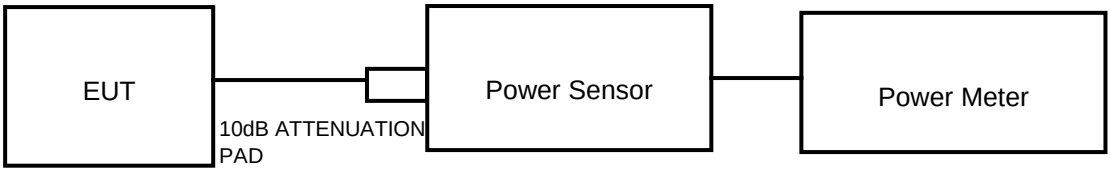
Operation Band	EUT Category		LIMIT
U-NII-1		Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p ≦ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
		Fixed point-to-point Access Point	1 Watt (30 dBm)
		Indoor Access Point	1 Watt (30 dBm)
	√	Client devices	250mW (24 dBm)
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.

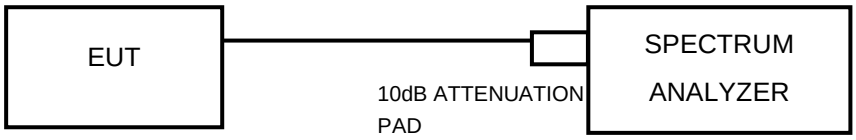
3.3.2 TEST SETUP

FOR POWER OUTPUT MEASUREMENT

802.11a, 802.11n/ac/ax (20MHz), 802.11 n/ac/ax (40MHz) ,802.11 ac/ax (80MHz) TEST CONFIGURATION



FOR 26dB BANDWIDTH



3.3.3 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Power Meter	ANRITSU	ML2495A	1506002	Feb. 14,24	Feb. 13,25
EXA Signal Analyzer	KEYSIGHT	N9010A-526	MY54510523	Feb. 14,24	Feb. 13,25
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	May.09,24	May.08,25
Power Sensor	ANRITSU	MA2411B	1339352	Feb. 14,24	Feb. 13,25

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.

3.3.4 TEST PROCEDURE

FOR POWER MEASUREMENT

For 802.11a, 802.11n/ac/ax (20MHz), 802.11 n/ac/ax (40MHz) ,802.11 ac/ax (80MHz)

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 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 ≥ 3 · 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.

3.3.5 DEVIATION FROM TEST STANDARD

No deviation.

3.3.6 EUT OPERATING CONDITIONS

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

3.3.7 TEST RESULTS

Please Refer to Appendix C.

3.4 MAXIMUM POWER SPECTRAL DENSITY MEASUREMENT

3.4.1 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

3.4.2 TEST SETUP

3.4.3 TEST INSTRUMENTS

Refer to section 3.3.3 to get information of above instrument.

3.4.4 TEST PROCEDURES

Using method SA-2(Band1/2/3)

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

Using method SA-2 (Band4)

1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
2) Set RBW = 300 kHz, Set VBW ≥ 1 MHz, Detector = RMS
3) Set Channel power measure = 1MHz
4) Sweep time = auto, trigger set to “free run”.
5) Trace average at least 100 traces in power averaging mode.
6) Add 10 log(500kHz/RBW) to the test result. 10 log(500kHz/300KHZ) = 2.22dBm
7) 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).
8) Record the max value

3.4.5 DEVIATION FROM TEST STANDARD

No deviation.

3.4.6 EUT OPERATING CONDITIONS

Same as 3.1.7.

3.4.7 TEST RESULTS

Please Refer to Appendix C.

3.5 AUTOMATICALLY DISCONTINUE TRANSMISSION

3.5.1 LIMIT OF AUTOMATICALLY DISCONTINUE TRANSMISSION

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information, or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

3.5.2 TEST INSTRUMENTS

Refer to section 3.3.3 to get information of above instrument.

3.5.3 TEST RESULT

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving。 The EUT can detect the controlling of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

3.6 ANTENNA REQUIREMENTS

3.6.1 STANDARD APPLICABLE

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmits power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.6.2 ANTENNA CONNECTED CONSTRUCTION

An embedded-in antenna design is used.

3.6.3 ANTENNA GAIN

According to FCC KDB 662911 D01 Multiple Transmitter Output v02r01
For CDD transmissions, directional gain is calculated as
Directional gain=GANT +Array Gain, where Array Gain is as follows.
For power spectral density (PSD) measurements on all devices,
Array Gain= 10 log(NANT/ Nss) dB;
For power measurements on IEEE 802.11 devices, Array Gain = 0 dB for NANT≤ 4;
The EUT supports Cyclic Delay Diversity (CDD) mode,
For power measurements, the directional GANT is set equal to the antenna having the highest gain as following formulas.

Directional Gain = Max.Gain + Array Gain.

For PSD measurements, the directional GANT is calculation is following F)2)f)ii of KDB 662911 D01 v02r01.
The directional gain is calculated as following table.

	Band	Ant 8 (dBi)	Ant 9 (dBi)	DG For Power (dBi)	DG For PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
5GHz	U-NII 1	-0.7	0.7	0.7	**3.04**	**0**	**0**
	U-NII 2A	-0.7	0.7	0.7	**3.04**	**0**	**0**
	U-NII 2C	-0.7	0.7	0.7	**3.04**	**0**	**0**
	U-NII 3	-0.7	0.7	0.7	**3.04**	**0**	**0**

NOTE :DG= directional gain, Power Limit Reduction = DG For Power Gain -6dbi<0

PSD Limit Reduction = DG For PSD – 6dBi<0.Therefore, it is not necessary to reduce maximum peak output power and PSD limit.

4 PHOTOGRAPHS OF THE TEST CONFIGURATION

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

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.

--END--