

FCC TEST REPORT

(Part 15, Subpart E)

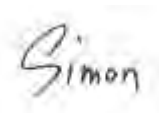
Applicant:	Honeywell International Inc Honeywell Safety and Productivity Solutions
Address:	9680 Old Bailes Road, Fort Mill, SC 29707 United States

Manufacturer or Supplier:	Honeywell International Inc Honeywell Safety and Productivity Solutions
Address:	9680 Old Bailes Road, Fort Mill, SC 29707 United States
Product:	Mobile Computer
Brand Name:	Honeywell
Model Name:	CT45P-X0N
FCC ID:	HD5-CT45PX0NG
Date of tests:	Oct. 12, 2021 ~ Dec. 09, 2021

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

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

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

Prepared by Simon Wang Engineer / Mobile Department	Approved by Luke Lu Manager / Mobile Department
 Date: Dec. 10, 2021	 Date: Dec. 10, 2021

This report is governed by, and incorporates by reference, CPS Conditions of Service as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

TABLE OF CONTENTS

RELEASE CONTROL RECORD	4
1 SUMMARY OF TEST RESULTS	5
1.1 MEASUREMENT UNCERTAINTY	5
2 GENERAL INFORMATION	6
2.1 GENERAL DESCRIPTION OF EUT	6
2.2 DESCRIPTION OF TEST MODES	9
2.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL	12
2.3 DUTY CYCLE OF TEST SIGNAL	16
2.4 DESCRIPTION OF SUPPORT UNITS	16
2.4.1 CONFIGURATION OF SYSTEM UNDER TEST	17
2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS	17
3 TEST TYPES AND RESULTS	18
3.1 RADIATED EMISSION AND BANDEDGE MEASUREMENT	18
3.1.1 LIMITS OF RADIATED EMISSION AND BANDEDGE MEASUREMENT	18
3.1.2 LIMITS OF UNWANTED EMISSION	18
3.1.3 TEST INSTRUMENTS	19
3.1.4 TEST PROCEDURES	20
3.1.5 DEVIATION FROM TEST STANDARD	20
3.1.6 TEST SETUP	21
3.1.7 EUT OPERATING CONDITION	22
3.1.8 TEST RESULTS	23
3.2 OUT OF BAND EMISSION MEASUREMENT	103
3.2.1 LIMITS OF OUT OF BAND EMISSION MEASUREMENT	103
3.2.2 TEST INSTRUMENTS	104
3.2.3 TEST PROCEDURES	104
3.2.4 DEVIATION FROM TEST STANDARD	104
3.2.5 TEST SETUP	104
3.2.6 EUT OPERATING CONDITION	104
3.2.7 TEST RESULTS	105
3.3 CONDUCTED EMISSION MEASUREMENT	105
3.3.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT	105
3.3.2 TEST INSTRUMENTS	105
3.3.3 TEST PROCEDURES	105



3.3.4	DEVIATION FROM TEST STANDARD	106
3.3.5	TEST SETUP	106
3.3.6	EUT OPERATING CONDITIONS	106
3.3.7	TEST RESULTS	107
3.4	MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT	109
3.4.1	LIMITS OF MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT	109
3.4.2	TEST SETUP	110
3.4.3	TEST INSTRUMENTS	110
3.4.4	TEST PROCEDURE	111
3.4.5	DEVIATION FROM TEST STANDARD	113
3.4.6	EUT OPERATING CONDITIONS	113
3.4.7	TEST RESULTS	114
3.5	MAXIMUM POWER SPECTRAL DENSITY MEASUREMENT	115
3.5.1	LIMITS OF MAXIMUM POWER SPECTRAL DENSITY MEASUREMENT	115
3.5.2	TEST SETUP	115
3.5.3	TEST INSTRUMENTS	115
3.5.4	TEST PROCEDURES	116
3.5.5	DEVIATION FROM TEST STANDARD	116
3.5.6	EUT OPERATING CONDITIONS	116
3.5.7	TEST RESULTS	117
4	PHOTOGRAPHS OF THE TEST CONFIGURATION	118
5	APPENDIX.....	119

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
W7L-P21100002RF09-1	Original release	Dec. 10, 2021

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

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

NOTE:

Except the data of RSE, other data of 802.11ax 20 (RU 26/52/106/242) & 802.11ax 40 (RU 26/52/106/242/484) & 802.11ax 80 (RU 26/52/106/242/484/996) please refer to the Appendix

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	$\pm 2.70\text{dB}$
Radiated emissions (30MHz~1GMHz)	$\pm 4.98\text{dB}$
Radiated emissions (1GMHz ~6GMHz)	$\pm 4.70\text{dB}$
Radiated emissions (6GMHz ~18GMHz)	$\pm 4.60\text{dB}$
Radiated emissions (18GMHz ~40GMHz)	$\pm 4.12\text{dB}$
Conducted emissions	$\pm 4.01\text{dB}$
Occupied Channel Bandwidth	$\pm 43.58\text{KHz}$
Conducted Output power	$\pm 2.06\text{dB}$
Power Spectral Density	$\pm 0.85\text{ dB}$

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



2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Mobile Computer
BRAND NAME	Honeywell
MODEL NAME	CT45P-X0N
NOMINAL VOLTAGE	3.85Vdc (Lithium-ion cell, battery)
MODULATION	OFDMA
TRANSFER RATE	802.11ax: up to 1201.0Mbps
OPERATING FREQUENCY	5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~ 5720MHz, 5745 ~ 5825MHz
NUMBER OF CHANNEL	5180 ~ 5240MHz: 4 for 802.11ax(20M RU 26/52/106/242) 2 for 802.11ax(40M RU 26/52/106/242/484) 1for802.11ax(80MRU26/52/106/242/484/996) 5260 ~ 5320MHz: 4 for 802.11ax(20M RU 26/52/106/242) 2 for 802.11ax(40M RU 26/52/106/242/484) 1 for 802.11ax(80M RU 26/52/106/242/484) 5500 ~ 5720MHz: 12 for 802.11ax(20M RU 26/52/106/242) 6 for 802.11ax(40M RU 26/52/106/242/484) 3for802.11ax(80MRU26/52/106/242/484/996) 5745 ~ 5825MHz: 5 for 802.11ax(20M RU 26/52/106/242) 3 for 802.11ax(40M RU 26/52/106/242/484) 2 for802.11ax(80MRU26/52/106/242/484/996)
AVERAGE POWER	17.72dB for 5180 ~ 5240MHz 17.22dB for 5260 ~ 5320MHz 16.55dB for 5500 ~ 5720MHz 16.30dB for 5745 ~ 5825MHz
ANTENNA TYPE	PIFA Antenna
ANTENNA GAIN	ANT 0: PIFA Antenna with 1.5 dBi for 5180 ~ 5240MHz PIFA Antenna with 1.7 dBi for 5260 ~ 5320MHz PIFA Antenna with 1.6 dBi for 5500 ~ 5720MHz PIFA Antenna with 1.5 dBi for 5745 ~ 5825MHz ANT 1: PIFA Antenna with 2.3 dBi for 5180 ~ 5240MHz PIFA Antenna with 2.2 dBi for 5260 ~ 5320MHz PIFA Antenna with 1.7 dBi for 5500 ~ 5720MHz PIFA Antenna with 1.2 dBi for 5745 ~ 5825MHz
HW VERSION	V1.0



Test Report No.: W7L-P21100002RF09-1

SW VERSION	OS.11.001
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	USB cable: unshielded without ferrite, 1.25 meter Earphone cable: unshielded without ferrite, 1.27 meter

NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. This product includes the following two SKU which hardware is exactly same, the difference is described as following, Sample 1 was full test, sample 2 verify the worst case check worst case Radiated emission:

SAMPLE	EUT CONFIGURATION INFORMATION
1	SKU ID:CT45P-X0N-37D100G ,Assembled with Scanner Imager: S0703
2	SKU ID:CT45P-X0N-38D100G ,Assembled with Scanner Imager: N6803/S0803

3. The EUT incorporates a SISO function. Physically, the EUT provides one completed transmitter and one receiver.

MODULATION MODE	TX FUNCTION
802.11ax (20MHz RU 26/52/106/242)	2TX/2RX
802.11ax (40MHz RU 26/52/106/242/484)	2TX/2RX
802.11ax (80MHz RU 26/52/106/242/484/996)	2TX/2RX

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

List of Accessory:

ACCESSORIES	BRAND	MODEL	SPECIFICATION
Battery	Honeywell	CT50-BTSC	Capacity: 3.85vdc 4020mAh
AC Adapter	HONOR	ADS-12B-06 05010E	I/P:100-240Vac, 0.3A O/P: 5Vdc, 2A
USB Cable	Honeywell	CT40-SN	Shielded, 1.25meter
Earphone	Honeywell	PTE-300N 3.5L	Shielded, 1.27meter
LCD Panel	CASIL	CTM10801920T01	5.0" FHD(1928*1080)

2.2 DESCRIPTION OF TEST MODES

FOR 5180 ~ 5240MHz

4 channels are provided for 802.11ax (20MHz RU 26/52/106/242):

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

2 channels are provided for 802.11ax (40MHz RU 26/52/106/242/484):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
38	5190 MHz	46	5230 MHz

1 channel is provided for 802.11ax (80MHz RU 26/52/106/242/484/996):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
42	5210 MHz		

FOR 5260 ~ 5320MHz

4 channels are provided for 802.11ax (20MHz RU 26/52/106/242):

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

2 channels are provided for 802.11ax (40MHz RU 26/52/106/242/484):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
54	5270 MHz	62	5310 MHz

1 channel is provided for 802.11ax (80MHz RU 26/52/106/242/484/996):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
58	5290 MHz		

**FOR 5500 ~ 5720MHz**

12 channels are provided for 802.11ax (20MHz RU 26/52/106/242):

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 802.11ax (40MHz RU 26/52/106/242/484):

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 802.11ax (80MHz RU 26/52/106/242/484/996):

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

FOR 5745 ~ 5825MHz

5 channels are provided for 802.11ax (20MHz RU 26/52/106/242):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
144	5720MHz	157	5785 MHz
149	5745 MHz	165	5825 MHz
153	5765 MHz		

3 channels are provided for 802.11ax (40MHz RU 26/52/106/242/484):

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

2 channel is provided for 802.11ax (80MHz RU 26/52/106/242/484/996):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
138	5690MHz	155	5775 MHz

2.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

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

Where

RE $\geq$ 1G: Radiated Emission above 1GHz

RE<1G: Radiated Emission below 1GHz

PLC: Power Line Conducted Emission

APCM: Antenna Port Conducted Measurement

NOTE:

The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **X-plane**.

NOTE: “-” means no effect.

RADIATED EMISSION TEST (BELOW 1GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
A	802.11ax (80MHz RU 26)	5260-5320	58	58	OFDMA	MCS0



RADIATED EMISSION TEST (ABOVE 1GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
A	802.11ax (20MHz RU 26/242)	5180-5240	36 to 48	36,	OFDMA	MCS0
A	802.11ax (40MHz RU 26/484)		38 to 46	38	OFDMA	MCS0
A	802.11ax (80MHz RU 26/996)		42	42	OFDMA	MCS0
A	802.11ax (20MHz RU 26/242)	5260-5320	52 to 64	64	OFDMA	MCS0
A	802.11ax (40MHz RU 26/484)		54 to 62	62	OFDMA	MCS0
A	802.11ax (80MHz RU 26/996)		58	58	OFDMA	MCS0
A	802.11ax (20MHz RU 26/242)	5500-5720	100 to 144	100, 116, 140, 144	OFDMA	MCS0
A	802.11ax (40MHz RU 26/484)		102 to 142	102, 110, 134, 142	OFDMA	MCS0
A	802.11ax (80MHz RU 26/996)		106 to 138	106, 138	OFDMA	MCS0
A	802.11ax (20MHz RU 26/242)	5745-5825	144 to 165	144, 149, 157,165	OFDMA	MCS0
A	802.11ax (40MHz RU 26/484)		142 to 159	142, 151, 159	OFDMA	MCS0
A	802.11ax (80MHz RU 26/996)		138,155	138, 155	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).
- ☒ 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 RU 26)	5260-5320	58	58	OFDMA	MCS0

BANDEGE MEASUREMENT:

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
A	802.11ax (20MHz RU 26/242)	5180-5240	36 to 48	36,	OFDMA	MCS0
A	802.11ax (40MHz RU 26/484)		38 to 46	38	OFDMA	MCS0
A	802.11ax (80MHz RU 26/996)		42	42	OFDMA	MCS0
A	802.11ax (20MHz RU 26/242)	5260-5320	52 to 64	64	OFDMA	MCS0
A	802.11ax (40MHz RU 26/484)		54 to 62	62	OFDMA	MCS0
A	802.11ax (80MHz RU 26/996)		58	58	OFDMA	MCS0
A	802.11ax (20MHz RU 26/242)	5500-5720	100 to 144	100, 116, 140, 144	OFDMA	MCS0
A	802.11ax (40MHz RU 26/484)		102 to 142	102, 110, 134, 142	OFDMA	MCS0
A	802.11ax (80MHz RU 26/996)		106 to 138	106, 138	OFDMA	MCS0
A	802.11ax (20MHz RU 26/242)	5745-5825	144 to 165	144, 149, 157,165	OFDMA	MCS0
A	802.11ax (40MHz RU 26/484)		142 to 159	142, 151, 159	OFDMA	MCS0
A	802.11ax (80MHz RU 26/996)		138,155	138, 155	OFDMA	MCS0

ANTENNA PORT CONDUCTED MEASUREMENT:

- ☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATIO N	DATA RATE (Mbps)
A	802.11ax (20MHz RU 26/242)	5180-5240	36 to 48	36,	OFDMA	MCS0
A	802.11ax (40MHz RU 26/484)		38 to 46	38	OFDMA	MCS0
A	802.11ax (80MHz RU 26/996)		42	42	OFDMA	MCS0
A	802.11ax (20MHz RU 26/242)	5260-5320	52 to 64	64	OFDMA	MCS0
A	802.11ax (40MHz RU 26/484)		54 to 62	62	OFDMA	MCS0
A	802.11ax (80MHz RU 26/996)		58	58	OFDMA	MCS0
A	802.11ax (20MHz RU 26/242)	5500-5720	100 to 144	100, 116, 140, 144	OFDMA	MCS0
A	802.11ax (40MHz RU 26/484)		102 to 142	102, 110, 134, 142	OFDMA	MCS0
A	802.11ax (80MHz RU 26/996)		106 to 138	106, 138	OFDMA	MCS0
A	802.11ax (20MHz RU 26/242)	5745-5825	144 to 165	144, 149, 157,165	OFDMA	MCS0
A	802.11ax (40MHz RU 26/484)		142 to 159	142, 151, 159	OFDMA	MCS0
A	802.11ax (80MHz RU 26/996)		138,155	138, 155	OFDMA	MCS0

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE<1G	23deg. C, 70%RH	DC 3.85V By Battery	Star Le
RE≥1G	23deg. C, 70%RH	DC 3.85V By Battery	Star Le
PLC	25deg. C, 52%RH	DC 3.85V By Battery	Lily Zhao
APCM	25deg. C, 60%RH	DC 3.85V By Battery	James Fu

2.3 DUTY CYCLE OF TEST SIGNAL

Please Refer to Appendix B of this test report.

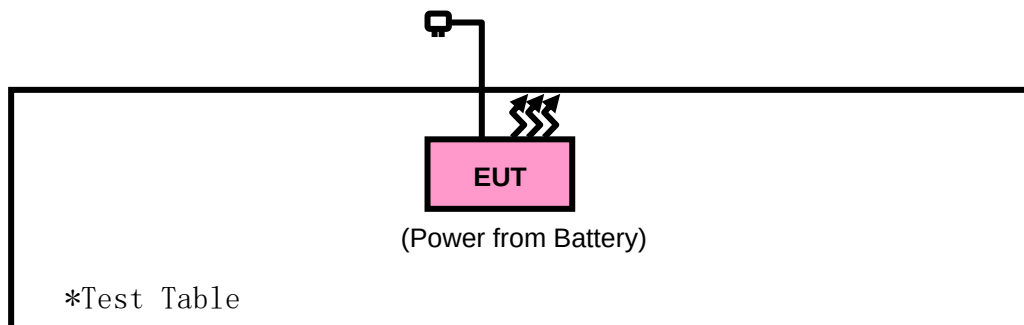
2.4 DESCRIPTION OF SUPPORT UNITS

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

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Desktop	Lenovo	M73 SFF	PC04GRQV	N/A
2	Desktop	Lenovo	M73 SFF	PC06CS27	N/A
3	Laptop	Lenovo	Thnikpad L440	R90FTFKN	N/A
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 C63.10-2013

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

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

3 TEST TYPES AND RESULTS

3.1 RADIATED EMISSION AND BANDEDGE MEASUREMENT

3.1.1 LIMITS OF RADIATED EMISSION AND BANDEDGE MEASUREMENT

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

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

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

3.1.2 LIMITS OF UNWANTED EMISSION

RESTRICTED BANDS	APPLICABLE TO	LIMIT	
	789033 D02 General UNII Test Procedures New Rules v02r01	FIELD STRENGTH AT 3m (dBμV/m)	
		PK : 74	AV : 54
OUT OF THE RESTRICTED BANDS	APPLICABLE TO	EIRP LIMIT (dBm/MHz)	EQUIVALENT FIELD STRENGTH AT 3m (dBμV/m)
	15.407(b)(1)	PK : -27	PK : 68.2
	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:

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

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

3.1.3 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn-CT0001143-1216	May. 19,20	May. 18,23
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Mar. 05,21	Mar. 04,22
Horn Antenna	ETS-LINDGREN	3117	00168728	Apr. 02,21	Apr. 01,22
Horn Antenna (18GHz-40GHz)	N/A	QWH-SL-18-40-K-SG/QMS-00361	15433	Aug. 25, 21	Aug. 24, 22
Test Software	E3	V 9.160323	N/A	N/A	N/A
Test Software	ADT	ADT_Radiated_V7.6.15.9.2	N/A	N/A	N/A
10dB Attenuator	JFW/USA	50HF-010-SMA	1505	Jun. 03,21	Jun. 02,22
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Apr. 22,21	Apr. 21,22
Signal Pre-Amplifier	EMSI	EMC 9135	980249	Jun. 02,21	Jun. 01,22
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	Jun. 03,21	Jun. 02,22
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Apr. 22,21	Apr. 21,22

NOTE:

1. The calibration interval of the above test instruments is 12 months or 36 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
2. The test was performed in 3m Chamber.
3. The FCC Site Registration No. is 525120; The Designation No. is CN1171.

3.1.4 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 0.8 meters (for below 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

NOTE:

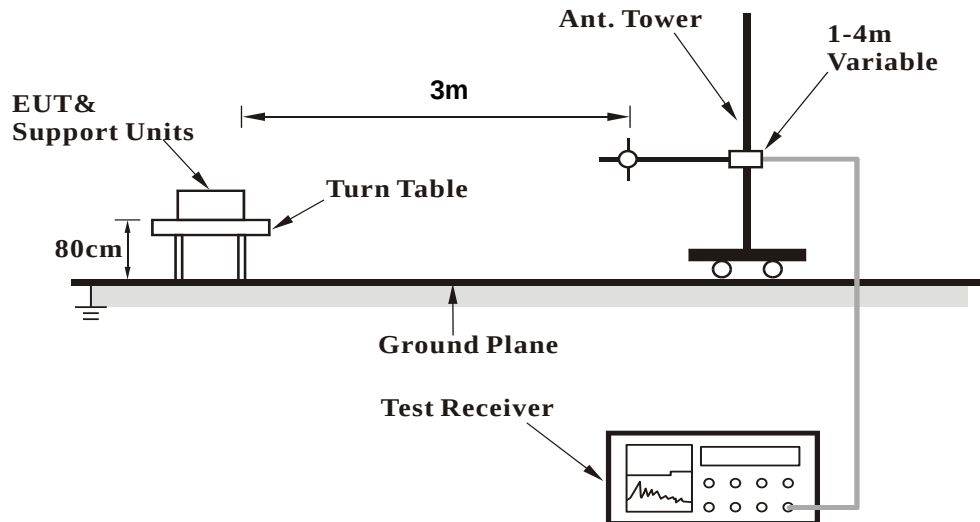
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency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

3.1.5 DEVIATION FROM TEST STANDARD

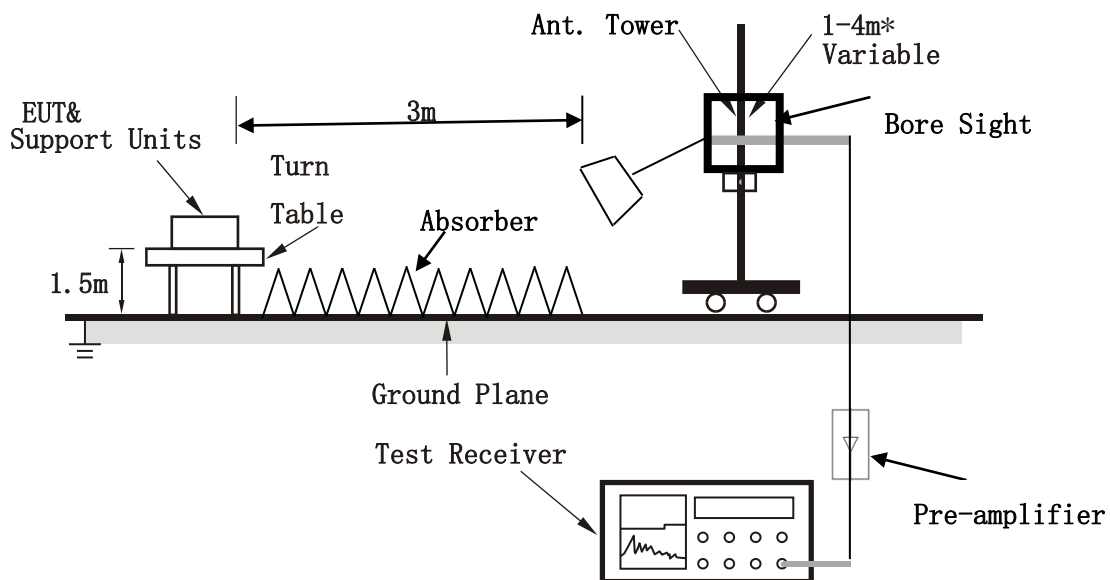
No deviation.

3.1.6 TEST SETUP

< Frequency Range 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).



Test Report No.: W7L-P21100002RF09-1

3.1.7 EUT OPERATING CONDITION

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



3.1.8 TEST RESULTS

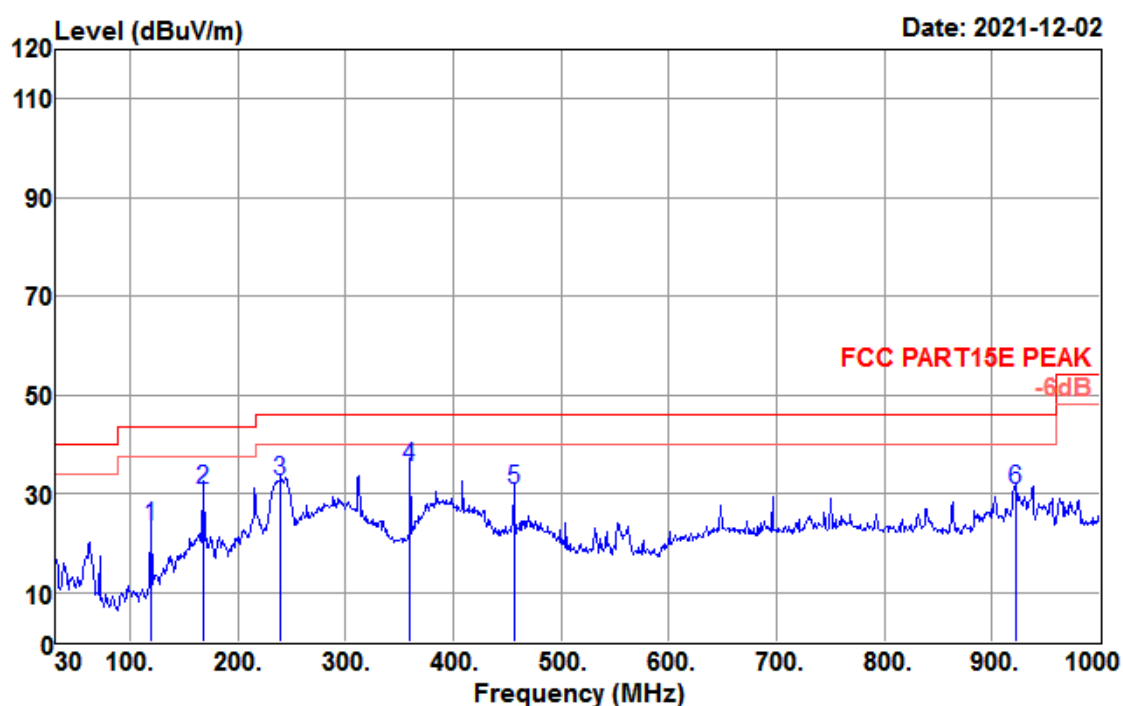
BELOW 1GHz WORST-CASE DATA:

30 MHz – 1GHz data:

802.11ax (80MHz RU26)

CHANNEL	TX Channel 58	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamplifier factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
119.240	42.95	11.23	1.86	32.52	23.52	43.50	-19.98	QP
167.740	47.55	13.45	2.22	32.57	30.65	43.50	-12.85	QP
239.520	50.59	11.77	2.73	32.60	32.49	46.00	-13.51	QP
359.800	50.33	14.24	3.34	32.66	35.25	46.00	-10.75	QP
455.830	43.70	16.25	3.75	32.76	30.94	46.00	-15.06	QP
921.430	34.34	22.30	5.75	31.59	30.80	46.00	-15.20	QP

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.

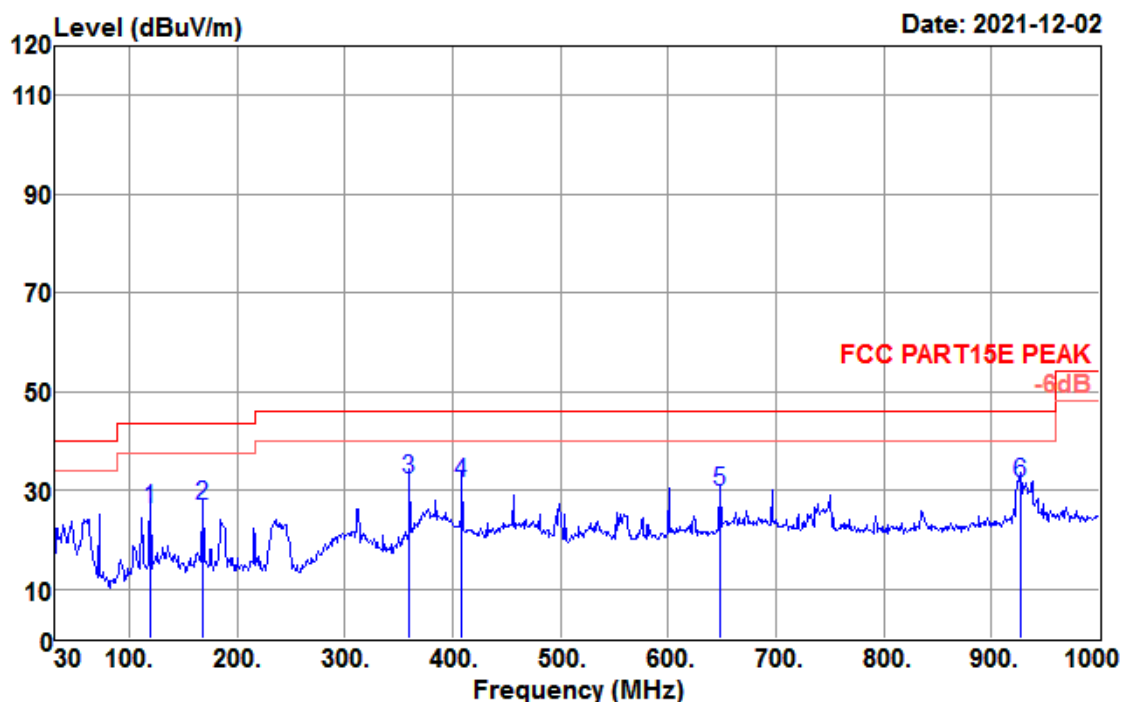


**BUREAU
VERITAS**

Test Report No.: W7L-P21100002RF09-1

CHANNEL	Channel 58	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
119.240	45.73	11.23	1.86	32.52	26.30	43.50	-17.20	QP
167.740	43.80	13.45	2.22	32.57	26.90	43.50	-16.60	QP
359.800	47.31	14.24	3.34	32.66	32.23	46.00	-13.77	QP
408.300	45.51	15.17	3.58	32.71	31.55	46.00	-14.45	QP
647.890	38.62	19.27	4.59	32.65	29.83	46.00	-16.17	QP
926.280	35.10	22.35	5.75	31.55	31.65	46.00	-14.35	QP

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.

**Band 1****ABOVE 1GHz WORST-CASE DATA Ant 1:**

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

802.11ax (20MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	32.49	31.32	8.17	33.98	38.00	54.00	-16.00	Average
5171.400	91.68	31.34	8.20	33.99	97.23	54.00	43.23	Average
5137.200	52.72	31.31	8.15	33.97	58.21	68.20	-9.99	Peak
5150.000	51.29	31.32	8.17	33.98	56.80	68.20	-11.40	Peak
5172.200	102.81	31.34	8.20	33.99	108.36	68.20	40.16	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	36.10	31.32	8.17	33.98	41.61	54.00	-12.39	Average
5171.600	98.51	31.34	8.20	33.99	104.06	54.00	50.06	Average
5141.600	59.55	31.31	8.15	33.97	65.04	68.20	-3.16	Peak
5150.000	57.77	31.32	8.17	33.98	63.28	68.20	-4.92	Peak
5171.400	111.08	31.34	8.20	33.99	116.63	68.20	48.43	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (20MHz RU242)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	34.31	31.32	8.17	33.98	39.82	54.00	-14.18	Average
5187.000	84.33	31.35	8.23	33.99	89.92	54.00	35.92	Average
5150.000	53.31	31.32	8.17	33.98	58.82	68.20	-9.38	Peak
5171.800	96.26	31.34	8.20	33.99	101.81	68.20	33.61	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	38.38	31.32	8.17	33.98	43.89	54.00	-10.11	Average
5172.800	89.56	31.34	8.21	33.99	95.12	54.00	41.12	Average
5150.000	57.81	31.32	8.17	33.98	63.32	68.20	-4.88	Peak
5171.600	102.13	31.34	8.20	33.99	107.68	68.20	39.48	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5135.740	33.05	31.31	8.14	33.97	38.53	54.00	-15.47	Average
5150.000	32.63	31.32	8.17	33.98	38.14	54.00	-15.86	Average
5172.040	92.04	31.34	8.20	33.99	97.59	54.00	43.59	Average
5150.000	52.60	31.32	8.17	33.98	58.11	68.20	-10.09	Peak
5172.040	104.59	31.34	8.20	33.99	110.14	68.20	41.94	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5136.620	36.20	31.31	8.15	33.97	41.69	54.00	-12.31	Average
5150.000	34.90	31.32	8.17	33.98	40.41	54.00	-13.59	Average
5172.040	97.17	31.34	8.20	33.99	102.72	54.00	48.72	Average
5149.160	59.61	31.32	8.17	33.97	65.13	68.20	-3.07	Peak
5150.040	56.82	31.32	8.17	33.98	62.33	68.20	-5.87	Peak
5171.820	108.05	31.34	8.20	33.99	113.60	68.20	45.40	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU484)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	34.55	31.32	8.17	33.98	40.06	54.00	-13.94	Average
5204.380	78.02	31.36	8.27	34.00	83.65	54.00	29.65	Average
5149.160	53.23	31.32	8.17	33.97	58.75	68.20	-9.45	Peak
5150.000	51.57	31.32	8.17	33.98	57.08	68.20	-11.12	Peak
5204.380	91.10	31.36	8.27	34.00	96.73	68.20	28.53	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	39.86	31.32	8.17	33.98	45.37	54.00	-8.63	Average
5196.240	84.15	31.36	8.24	34.00	89.75	54.00	35.75	Average
5148.280	60.09	31.32	8.16	33.97	65.60	68.20	-2.60	Peak
5150.040	58.79	31.32	8.17	33.98	64.30	68.20	-3.90	Peak
5194.040	97.47	31.36	8.24	34.00	103.07	68.20	34.87	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (80MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5134.120	34.50	31.31	8.14	33.97	39.98	54.00	-14.02	Average
5150.000	31.41	31.32	8.17	33.98	36.92	54.00	-17.08	Average
5172.480	85.28	31.34	8.20	33.99	90.83	54.00	36.83	Average
5134.400	51.52	31.31	8.14	33.97	57.00	68.20	-11.20	Peak
5150.000	47.10	31.32	8.17	33.98	52.61	68.20	-15.59	Peak
5172.200	98.17	31.34	8.20	33.99	103.72	68.20	35.52	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5134.400	39.00	31.31	8.14	33.97	44.48	54.00	-9.52	Average
5150.000	32.91	31.32	8.17	33.98	38.42	54.00	-15.58	Average
5172.200	92.20	31.34	8.20	33.99	97.75	54.00	43.75	Average
5133.840	59.20	31.31	8.14	33.97	64.68	68.20	-3.52	Peak
5150.000	52.52	31.32	8.17	33.98	58.03	68.20	-10.17	Peak
5172.200	105.04	31.34	8.20	33.99	110.59	68.20	42.39	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (80MHz RU996)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	36.27	31.32	8.17	33.98	41.78	54.00	-12.22	Average
5201.040	75.22	31.36	8.25	34.00	80.83	54.00	26.83	Average
5120.400	51.79	31.30	8.12	33.96	57.25	68.20	-10.95	Peak
5150.000	48.96	31.32	8.17	33.98	54.47	68.20	-13.73	Peak
5200.480	87.98	31.36	8.25	34.00	93.59	68.20	25.39	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	41.09	31.32	8.17	33.98	46.60	54.00	-7.40	Average
5199.920	80.81	31.36	8.25	34.00	86.42	54.00	32.42	Average
5120.400	58.42	31.30	8.12	33.96	63.88	68.20	-4.32	Peak
5150.000	53.89	31.32	8.17	33.98	59.40	68.20	-8.80	Peak
5183.960	93.65	31.35	8.22	33.99	99.23	68.20	31.03	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.

ABOVE 1GHz WORST-CASE DATA Ant 0+1:

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

802.11ax (20MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	31.75	31.32	8.17	33.98	37.26	54.00	-16.74	Average
5171.600	88.63	31.34	8.20	33.99	94.18	54.00	40.18	Average
5150.000	50.24	31.32	8.17	33.98	55.75	68.20	-12.45	Peak
5172.000	100.14	31.34	8.20	33.99	105.69	68.20	37.49	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	35.52	31.32	8.17	33.98	41.03	54.00	-12.97	Average
5171.200	98.81	31.34	8.20	33.99	104.36	54.00	50.36	Average
5150.000	60.44	31.32	8.17	33.98	65.95	68.20	-2.25	Peak
5171.800	110.00	31.34	8.20	33.99	115.55	68.20	47.35	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (20MHz RU242)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	31.72	31.32	8.17	33.98	37.23	54.00	-16.77	Average
5176.200	78.20	31.34	8.21	33.99	83.76	54.00	29.76	Average
5150.000	47.86	31.32	8.17	33.98	53.37	68.20	-14.83	Peak
5186.200	92.32	31.35	8.23	33.99	97.91	68.20	29.71	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	36.52	31.32	8.17	33.98	42.03	54.00	-11.97	Average
5186.000	88.80	31.35	8.23	33.99	94.39	54.00	40.39	Average
5150.000	59.67	31.32	8.17	33.98	65.18	68.20	-3.02	Peak
5176.800	101.54	31.34	8.21	33.99	107.10	68.20	38.90	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	32.21	31.32	8.17	33.98	37.72	54.00	-16.28	Average
5172.040	89.59	31.34	8.20	33.99	95.14	54.00	41.14	Average
5150.000	50.23	31.32	8.17	33.98	55.74	68.20	-12.46	Peak
5172.260	101.22	31.34	8.20	33.99	106.77	68.20	38.57	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	35.58	31.32	8.17	33.98	41.09	54.00	-12.91	Average
5171.820	98.95	31.34	8.20	33.99	104.50	54.00	50.50	Average
5147.840	59.74	31.32	8.16	33.97	65.25	68.20	-2.95	Peak
5150.000	55.80	31.32	8.17	33.98	61.31	68.20	-6.89	Peak
5172.040	112.75	31.34	8.20	33.99	118.30	68.20	50.10	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU484)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	32.95	31.32	8.17	33.98	38.46	54.00	-15.54	Average
5201.080	76.80	31.36	8.25	34.00	82.41	54.00	28.41	Average
5150.000	48.14	31.32	8.17	33.98	53.65	68.20	-14.55	Peak
5196.680	89.28	31.36	8.24	34.00	94.88	68.20	26.68	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	41.63	31.32	8.17	33.98	47.14	54.00	-6.86	Average
5195.800	86.26	31.36	8.24	34.00	91.86	54.00	37.86	Average
5148.500	59.29	31.32	8.17	33.97	64.81	68.20	-3.39	Peak
5150.000	55.43	31.32	8.17	33.98	60.94	68.20	-7.26	Peak
5184.360	98.70	31.35	8.22	33.99	104.28	68.20	36.08	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (80MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5133.560	35.35	31.31	8.14	33.97	40.83	54.00	-13.17	Average
5150.000	31.77	31.32	8.17	33.98	37.28	54.00	-16.72	Average
5172.200	85.56	31.34	8.20	33.99	91.11	54.00	37.11	Average
5135.240	52.06	31.31	8.14	33.97	57.54	68.20	-10.66	Peak
5150.000	49.05	31.32	8.17	33.98	54.56	68.20	-13.64	Peak
5172.200	98.58	31.34	8.20	33.99	104.13	68.20	35.93	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5134.400	40.92	31.31	8.14	33.97	46.40	54.00	-7.60	Average
5150.000	34.51	31.32	8.17	33.98	40.02	54.00	-13.98	Average
5171.920	95.87	31.34	8.20	33.99	101.42	54.00	47.42	Average
5134.120	59.18	31.31	8.14	33.97	64.66	68.20	-3.54	Peak
5150.000	51.17	31.32	8.17	33.98	56.68	68.20	-11.52	Peak
5171.640	107.22	31.34	8.20	33.99	112.77	68.20	44.57	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (80MHz RU996)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	34.40	31.32	8.17	33.98	39.91	54.00	-14.09	Average
5199.360	72.67	31.36	8.25	34.00	78.28	54.00	24.28	Average
5150.000	48.52	31.32	8.17	33.98	54.03	68.20	-14.17	Peak
5196.840	84.55	31.36	8.24	34.00	90.15	68.20	21.95	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5150.000	41.37	31.32	8.17	33.98	46.88	54.00	-7.12	Average
5182.280	81.81	31.35	8.22	33.99	87.39	54.00	33.39	Average
5147.560	59.72	31.32	8.16	33.97	65.23	68.20	-2.97	Peak
5150.000	55.32	31.32	8.17	33.98	60.83	68.20	-7.37	Peak
5190.120	93.77	31.35	8.23	34.00	99.35	68.20	31.15	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



Band 2

ABOVE 1GHz WORST-CASE DATA Ant 1:

802.11ax (20MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5328.440	96.96	31.46	8.75	34.06	103.11	54.00	49.11	Average
5350.000	35.74	31.48	8.84	34.08	41.98	54.00	-12.02	Average
5352.560	36.12	31.48	8.84	34.08	42.36	54.00	-11.64	Average
5328.080	108.75	31.46	8.75	34.06	114.90	68.20	46.70	Peak
5350.000	57.61	31.48	8.84	34.08	63.85	68.20	-4.35	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5328.260	100.20	31.46	8.75	34.06	106.35	54.00	52.35	Average
5350.000	37.09	31.48	8.84	34.08	43.33	54.00	-10.67	Average
5352.380	37.82	31.48	8.84	34.08	44.06	54.00	-9.94	Average
5328.620	111.63	31.46	8.75	34.06	117.78	68.20	49.58	Peak
5350.000	59.74	31.48	8.84	34.08	65.98	68.20	-2.22	Peak

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor

Margin value = Emission level – Limit value.



802.11ax (20MHz RU242)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5315.120	85.97	31.45	8.70	34.06	92.06	54.00	38.06	Average
5350.000	34.45	31.48	8.84	34.08	40.69	54.00	-13.31	Average
5325.020	98.79	31.46	8.74	34.06	104.93	68.20	36.73	Peak
5350.000	54.36	31.48	8.84	34.08	60.60	68.20	-7.60	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5326.100	88.49	31.46	8.74	34.06	94.63	54.00	40.63	Average
5350.000	36.12	31.48	8.84	34.08	42.36	54.00	-11.64	Average
5325.020	101.89	31.46	8.74	34.06	108.03	68.20	39.83	Peak
5350.000	57.30	31.48	8.84	34.08	63.54	68.20	-4.66	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5327.770	91.37	31.46	8.75	34.06	97.52	54.00	43.52	Average
5350.000	31.87	31.48	8.84	34.08	38.11	54.00	-15.89	Average
5327.770	103.32	31.46	8.75	34.06	109.47	68.20	41.27	Peak
5350.000	49.36	31.48	8.84	34.08	55.60	68.20	-12.60	Peak
5351.910	55.12	31.48	8.84	34.08	61.36	68.20	-6.84	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5327.940	94.77	31.46	8.75	34.06	100.92	54.00	46.92	Average
5350.000	33.25	31.48	8.84	34.08	39.49	54.00	-14.51	Average
5328.110	106.99	31.46	8.75	34.06	113.14	68.20	44.94	Peak
5350.000	58.41	31.48	8.84	34.08	64.65	68.20	-3.55	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU484)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5323.520	78.07	31.46	8.73	34.06	84.20	54.00	30.20	Average
5350.000	35.57	31.48	8.84	34.08	41.81	54.00	-12.19	Average
5308.220	92.16	31.45	8.67	34.05	98.23	68.20	30.03	Peak
5350.000	50.35	31.48	8.84	34.08	56.59	68.20	-11.61	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5318.760	81.82	31.46	8.71	34.06	87.93	54.00	33.93	Average
5350.000	39.02	31.48	8.84	34.08	45.26	54.00	-8.74	Average
5318.250	95.61	31.45	8.71	34.06	101.71	68.20	33.51	Peak
5350.000	55.54	31.48	8.84	34.08	61.78	68.20	-6.42	Peak
5351.910	56.15	31.48	8.84	34.08	62.39	68.20	-5.81	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.

802.11ax (80MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5327.600	87.99	31.46	8.75	34.06	94.14	54.00	40.14	Average
5350.000	31.65	31.48	8.84	34.08	37.89	54.00	-16.11	Average
5366.000	37.27	31.49	8.90	34.08	43.58	54.00	-10.42	Average
5327.600	99.15	31.46	8.75	34.06	105.30	68.20	37.10	Peak
5350.000	46.68	31.48	8.84	34.08	52.92	68.20	-15.28	Peak
5366.240	54.58	31.49	8.90	34.08	60.89	68.20	-7.31	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5327.840	91.45	31.46	8.75	34.06	97.60	54.00	43.60	Average
5350.000	33.01	31.48	8.84	34.08	39.25	54.00	-14.75	Average
5366.000	39.74	31.49	8.90	34.08	46.05	54.00	-7.95	Average
5328.320	102.43	31.46	8.75	34.06	108.58	68.20	40.38	Peak
5350.000	49.66	31.48	8.84	34.08	55.90	68.20	-12.30	Peak
5365.520	59.81	31.49	8.90	34.08	66.12	68.20	-2.08	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (80MHz RU996)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5303.600	75.24	31.44	8.65	34.05	81.28	54.00	27.28	Average
5350.000	35.90	31.48	8.84	34.08	42.14	54.00	-11.86	Average
5299.520	88.46	31.44	8.64	34.05	94.49	68.20	26.29	Peak
5350.000	51.99	31.48	8.84	34.08	58.23	68.20	-9.97	Peak
5358.800	53.10	31.49	8.87	34.08	59.38	68.20	-8.82	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5277.680	79.00	31.42	8.55	34.04	84.93	54.00	30.93	Average
5350.000	38.83	31.48	8.84	34.08	45.07	54.00	-8.93	Average
5316.080	92.25	31.45	8.70	34.06	98.34	68.20	30.14	Peak
5350.000	54.89	31.48	8.84	34.08	61.13	68.20	-7.07	Peak
5351.840	56.95	31.48	8.84	34.08	63.19	68.20	-5.01	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



ABOVE 1GHz WORST-CASE DATA Ant 0+1:

802.11ax (20MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5328.620	92.54	31.46	8.75	34.06	98.69	54.00	44.69	Average
5350.000	32.22	31.48	8.84	34.08	38.46	54.00	-15.54	Average
5328.080	104.13	31.46	8.75	34.06	110.28	68.20	42.08	Peak
5350.000	49.33	31.48	8.84	34.08	55.57	68.20	-12.63	Peak
5363.000	50.91	31.49	8.89	34.08	57.21	68.20	-10.99	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5328.080	99.39	31.46	8.75	34.06	105.54	54.00	51.54	Average
5350.000	36.28	31.48	8.84	34.08	42.52	54.00	-11.48	Average
5327.720	110.92	31.46	8.75	34.06	117.07	68.20	48.87	Peak
5350.000	59.04	31.48	8.84	34.08	65.28	68.20	-2.92	Peak

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor

Margin value = Emission level – Limit value.



802.11ax (20MHz RU242)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5318.360	84.35	31.45	8.71	34.06	90.45	54.00	36.45	Average
5350.000	34.60	31.48	8.84	34.08	40.84	54.00	-13.16	Average
5311.700	96.89	31.45	8.69	34.06	102.97	68.20	34.77	Peak
5350.000	47.76	31.48	8.84	34.08	54.00	68.20	-14.20	Peak
5350.220	50.95	31.48	8.84	34.08	57.19	68.20	-11.01	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5318.000	91.43	31.45	8.71	34.06	97.53	54.00	43.53	Average
5350.000	39.09	31.48	8.84	34.08	45.33	54.00	-8.67	Average
5314.760	105.73	31.45	8.70	34.06	111.82	68.20	43.62	Peak
5350.000	59.69	31.48	8.84	34.08	65.93	68.20	-2.27	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5327.940	90.36	31.46	8.75	34.06	96.51	54.00	42.51	Average
5350.000	31.49	31.48	8.84	34.08	37.73	54.00	-16.27	Average
5327.260	102.23	31.46	8.75	34.06	108.38	68.20	40.18	Peak
5350.000	45.68	31.48	8.84	34.08	51.92	68.20	-16.28	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5327.940	97.63	31.46	8.75	34.06	103.78	54.00	49.78	Average
5350.000	34.28	31.48	8.84	34.08	40.52	54.00	-13.48	Average
5327.770	108.71	31.46	8.75	34.06	114.86	68.20	46.66	Peak
5350.000	57.89	31.48	8.84	34.08	64.13	68.20	-4.07	Peak
5351.060	58.82	31.48	8.84	34.08	65.06	68.20	-3.14	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU484)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5314.850	78.18	31.45	8.70	34.06	84.27	54.00	30.27	Average
5350.000	35.06	31.48	8.84	34.08	41.30	54.00	-12.70	Average
5304.480	90.93	31.44	8.66	34.05	96.98	68.20	28.78	Peak
5350.000	48.88	31.48	8.84	34.08	55.12	68.20	-13.08	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5304.310	85.47	31.44	8.66	34.05	91.52	54.00	37.52	Average
5350.000	43.67	31.48	8.84	34.08	49.91	54.00	-4.09	Average
5317.400	98.22	31.45	8.71	34.06	104.32	68.20	36.12	Peak
5350.000	57.77	31.48	8.84	34.08	64.01	68.20	-4.19	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (80MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5327.600	87.94	31.46	8.75	34.06	94.09	54.00	40.09	Average
5350.000	31.74	31.48	8.84	34.08	37.98	54.00	-16.02	Average
5366.000	38.38	31.49	8.90	34.08	44.69	54.00	-9.31	Average
5328.320	99.89	31.46	8.75	34.06	106.04	68.20	37.84	Peak
5350.000	44.36	31.48	8.84	34.08	50.60	68.20	-17.60	Peak
5365.760	54.23	31.49	8.90	34.08	60.54	68.20	-7.66	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5327.600	94.91	31.46	8.75	34.06	101.06	54.00	47.06	Average
5350.000	34.19	31.48	8.84	34.08	40.43	54.00	-13.57	Average
5365.520	41.41	31.49	8.90	34.08	47.72	54.00	-6.28	Average
5327.360	106.07	31.46	8.75	34.06	112.22	68.20	44.02	Peak
5350.000	49.16	31.48	8.84	34.08	55.40	68.20	-12.80	Peak
5365.760	59.46	31.49	8.90	34.08	65.77	68.20	-2.43	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (80MHz RU996)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5319.920	73.88	31.46	8.72	34.06	80.00	54.00	26.00	Average
5350.000	35.19	31.48	8.84	34.08	41.43	54.00	-12.57	Average
5311.280	87.09	31.45	8.68	34.06	93.16	68.20	24.96	Peak
5350.000	46.02	31.48	8.84	34.08	52.26	68.20	-15.94	Peak
5360.480	49.10	31.49	8.88	34.08	55.39	68.20	-12.81	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5305.280	81.04	31.44	8.66	34.05	87.09	54.00	33.09	Average
5350.000	39.71	31.48	8.84	34.08	45.95	54.00	-8.05	Average
5307.200	93.40	31.45	8.67	34.05	99.47	68.20	31.27	Peak
5350.000	55.29	31.48	8.84	34.08	61.53	68.20	-6.67	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



Band 3

ABOVE 1GHz WORST-CASE DATA Ant 1:

802.11ax (20MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5465.325	37.42	31.57	8.87	34.13	43.73	54.00	-10.27	Average
5470.000	36.99	31.58	8.86	34.14	43.29	54.00	-10.71	Average
5491.400	97.22	31.59	8.81	34.15	103.47	54.00	49.47	Average
5469.525	58.38	31.58	8.86	34.13	64.69	68.20	-3.51	Peak
5470.000	57.37	31.58	8.86	34.14	63.67	68.20	-4.53	Peak
5491.225	109.51	31.59	8.81	34.15	115.76	68.20	47.56	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	38.27	31.58	8.86	34.14	44.57	54.00	-9.43	Average
5491.400	99.11	31.59	8.81	34.15	105.36	54.00	51.36	Average
5468.300	59.24	31.57	8.86	34.13	65.54	68.20	-2.66	Peak
5470.000	57.41	31.58	8.86	34.14	63.71	68.20	-4.49	Peak
5491.400	111.85	31.59	8.81	34.15	118.10	68.20	49.90	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (20MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5708.285	93.43	31.93	7.90	34.25	99.01	54.00	45.01	Average
5725.000	36.59	31.96	7.80	34.26	42.09	54.00	-11.91	Average
5708.595	104.66	31.93	7.89	34.25	110.23	68.20	42.03	Peak
5725.000	56.56	31.96	7.80	34.26	62.06	68.20	-6.14	Peak
5725.180	59.94	31.96	7.80	34.26	65.44	68.20	-2.76	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5708.750	96.47	31.93	7.89	34.25	102.04	54.00	48.04	Average
5725.000	37.71	31.96	7.80	34.26	43.21	54.00	-10.79	Average
5708.595	107.65	31.93	7.89	34.25	113.22	68.20	45.02	Peak
5725.000	59.39	31.96	7.80	34.26	64.89	68.20	-3.31	Peak
5725.335	60.32	31.96	7.79	34.26	65.81	68.20	-2.39	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (20MHz RU242)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	36.31	31.58	8.86	34.14	42.61	54.00	-11.39	Average
5506.800	86.01	31.61	8.77	34.15	92.24	54.00	38.24	Average
5470.000	56.21	31.58	8.86	34.14	62.51	68.20	-5.69	Peak
5501.725	98.32	31.60	8.78	34.15	104.55	68.20	36.35	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	37.50	31.58	8.86	34.14	43.80	54.00	-10.20	Average
5508.375	89.37	31.61	8.76	34.15	95.59	54.00	41.59	Average
5464.625	58.36	31.57	8.87	34.13	64.67	68.20	-3.53	Peak
5470.000	57.70	31.58	8.86	34.14	64.00	68.20	-4.20	Peak
5505.575	102.24	31.61	8.77	34.15	108.47	68.20	40.27	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (20MHz RU242)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5696.660	83.23	31.91	7.96	34.25	88.85	54.00	34.85	Average
5725.000	38.15	31.96	7.80	34.26	43.65	54.00	-10.35	Average
5701.620	95.71	31.92	7.94	34.25	101.32	68.20	33.12	Peak
5725.000	57.00	31.96	7.80	34.26	62.50	68.20	-5.70	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5705.030	86.19	31.93	7.92	34.25	91.79	54.00	37.79	Average
5725.000	40.14	31.96	7.80	34.26	45.64	54.00	-8.36	Average
5705.960	99.58	31.93	7.91	34.25	105.17	68.20	36.97	Peak
5725.000	59.70	31.96	7.80	34.26	65.20	68.20	-3.00	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	35.79	31.58	8.86	34.14	42.09	54.00	-11.91	Average
5491.930	94.38	31.59	8.80	34.15	100.62	54.00	46.62	Average
5464.950	59.70	31.57	8.87	34.13	66.01	68.20	-2.19	Peak
5470.000	55.28	31.58	8.86	34.14	61.58	68.20	-6.62	Peak
5492.310	106.94	31.59	8.80	34.15	113.18	68.20	44.98	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	36.24	31.58	8.86	34.14	42.54	54.00	-11.46	Average
5491.930	96.42	31.59	8.80	34.15	102.66	54.00	48.66	Average
5466.660	58.41	31.57	8.87	34.13	64.72	68.20	-3.48	Peak
5470.000	55.52	31.58	8.86	34.14	61.82	68.20	-6.38	Peak
5492.120	108.26	31.59	8.80	34.15	114.50	68.20	46.30	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5687.545	93.51	31.90	8.02	34.24	99.19	54.00	45.19	Average
5725.000	36.03	31.96	7.80	34.26	41.53	54.00	-12.47	Average
5687.545	105.99	31.90	8.02	34.24	111.67	68.20	43.47	Peak
5725.000	55.36	31.96	7.80	34.26	60.86	68.20	-7.34	Peak
5727.135	55.79	31.96	7.78	34.26	61.27	68.20	-6.93	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5687.915	96.24	31.90	8.02	34.24	101.92	54.00	47.92	Average
5725.000	36.96	31.96	7.80	34.26	42.46	54.00	-11.54	Average
5688.100	108.15	31.90	8.02	34.24	113.83	68.20	45.63	Peak
5725.000	55.70	31.96	7.80	34.26	61.20	68.20	-7.00	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU484)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	38.99	31.58	8.86	34.14	45.29	54.00	-8.71	Average
5511.880	80.10	31.62	8.76	34.16	86.32	54.00	32.32	Average
5470.000	55.30	31.58	8.86	34.14	61.60	68.20	-6.60	Peak
5510.930	93.68	31.62	8.76	34.16	99.90	68.20	31.70	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	40.66	31.58	8.86	34.14	46.96	54.00	-7.04	Average
5516.250	82.78	31.63	8.75	34.16	89.00	54.00	35.00	Average
5467.420	57.89	31.57	8.86	34.13	64.19	68.20	-4.01	Peak
5470.000	56.53	31.58	8.86	34.14	62.83	68.20	-5.37	Peak
5510.930	96.02	31.62	8.76	34.16	102.24	68.20	34.04	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU484)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5656.280	81.19	31.85	8.21	34.23	87.02	54.00	33.02	Average
5725.000	35.71	31.96	7.80	34.26	41.21	54.00	-12.79	Average
5664.050	94.67	31.86	8.16	34.23	100.46	68.20	32.26	Peak
5725.000	50.40	31.96	7.80	34.26	55.90	68.20	-12.30	Peak
5725.285	52.66	31.96	7.79	34.26	58.15	68.20	-10.05	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5657.205	85.16	31.85	8.20	34.23	90.98	54.00	36.98	Average
5725.000	37.45	31.96	7.80	34.26	42.95	54.00	-11.05	Average
5664.050	98.66	31.86	8.16	34.23	104.45	68.20	36.25	Peak
5725.000	54.07	31.96	7.80	34.26	59.57	68.20	-8.63	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (80MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5454.360	39.58	31.56	8.90	34.13	45.91	54.00	-8.09	Average
5470.000	35.27	31.58	8.86	34.14	41.57	54.00	-12.43	Average
5492.160	89.46	31.59	8.80	34.15	95.70	54.00	41.70	Average
5453.280	56.03	31.56	8.90	34.13	62.36	68.20	-5.84	Peak
5470.000	52.23	31.58	8.86	34.14	58.53	68.20	-9.67	Peak
5492.160	100.63	31.59	8.80	34.15	106.87	68.20	38.67	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5454.180	41.36	31.56	8.90	34.13	47.69	54.00	-6.31	Average
5470.000	35.85	31.58	8.86	34.14	42.15	54.00	-11.85	Average
5492.520	92.94	31.59	8.80	34.15	99.18	54.00	45.18	Average
5454.720	59.49	31.56	8.90	34.13	65.82	68.20	-2.38	Peak
5470.000	54.02	31.58	8.86	34.14	60.32	68.20	-7.88	Peak
5491.440	105.48	31.59	8.81	34.15	111.73	68.20	43.53	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (80MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5647.780	94.35	31.84	8.26	34.22	100.23	54.00	46.23	Average
5725.000	36.58	31.96	7.80	34.26	42.08	54.00	-11.92	Average
5647.780	106.42	31.84	8.26	34.22	112.30	68.20	44.10	Peak
5725.000	53.84	31.96	7.80	34.26	59.34	68.20	-8.86	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5647.780	97.76	31.84	8.26	34.22	103.64	54.00	49.64	Average
5725.000	37.80	31.96	7.80	34.26	43.30	54.00	-10.70	Average
5647.780	110.40	31.84	8.26	34.22	116.28	68.20	48.08	Peak
5725.000	55.91	31.96	7.80	34.26	61.41	68.20	-6.79	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (80MHz RU996)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	40.28	31.58	8.86	34.14	46.58	54.00	-7.42	Average
5557.500	77.66	31.69	8.64	34.18	83.81	54.00	29.81	Average
5441.400	56.57	31.55	8.93	34.12	62.93	68.20	-5.27	Peak
5470.000	55.68	31.58	8.86	34.14	61.98	68.20	-6.22	Peak
5551.020	90.55	31.68	8.66	34.18	96.71	68.20	28.51	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	42.27	31.58	8.86	34.14	48.57	54.00	-5.43	Average
5542.380	81.88	31.67	8.68	34.17	88.06	54.00	34.06	Average
5440.860	59.30	31.55	8.93	34.12	65.66	68.20	-2.54	Peak
5470.000	57.80	31.58	8.86	34.14	64.10	68.20	-4.10	Peak
5544.540	94.28	31.67	8.68	34.17	100.46	68.20	32.26	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (80MHz RU996)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5580.240	80.94	31.73	8.59	34.19	87.07	54.00	33.07	Average
5725.000	37.10	31.96	7.80	34.26	42.60	54.00	-11.40	Average
5583.760	93.86	31.73	8.58	34.19	99.98	68.20	31.78	Peak
5725.000	49.54	31.96	7.80	34.26	55.04	68.20	-13.16	Peak
5741.720	51.95	31.99	7.70	34.27	57.37	68.20	-10.83	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5580.460	83.83	31.73	8.59	34.19	89.96	54.00	35.96	Average
5725.000	39.41	31.96	7.80	34.26	44.91	54.00	-9.09	Average
5624.020	97.11	31.80	8.40	34.21	103.10	68.20	34.90	Peak
5725.000	52.21	31.96	7.80	34.26	57.71	68.20	-10.49	Peak
5729.840	55.44	31.97	7.77	34.26	60.92	68.20	-7.28	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.

ABOVE 1GHz WORST-CASE DATA Ant 0+1:

802.11ax (20MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	35.72	31.58	8.86	34.14	42.02	54.00	-11.98	Average
5491.225	91.56	31.59	8.81	34.15	97.81	54.00	43.81	Average
5470.000	53.26	31.58	8.86	34.14	59.56	68.20	-8.64	Peak
5491.925	102.48	31.59	8.80	34.15	108.72	68.20	40.52	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	36.88	31.58	8.86	34.14	43.18	54.00	-10.82	Average
5491.750	98.04	31.59	8.81	34.15	104.29	54.00	50.29	Average
5470.000	59.23	31.58	8.86	34.14	65.53	68.20	-2.67	Peak
5491.050	109.67	31.59	8.81	34.15	115.92	68.20	47.72	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (20MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5708.285	92.49	31.93	7.90	34.25	98.07	54.00	44.07	Average
5725.000	37.20	31.96	7.80	34.26	42.70	54.00	-11.30	Average
5707.975	104.83	31.93	7.90	34.25	110.41	68.20	42.21	Peak
5725.000	54.10	31.96	7.80	34.26	59.60	68.20	-8.60	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5707.975	99.15	31.93	7.90	34.25	104.73	54.00	50.73	Average
5725.000	39.86	31.96	7.80	34.26	45.36	54.00	-8.64	Average
5708.130	110.28	31.93	7.90	34.25	115.86	68.20	47.66	Peak
5725.000	59.97	31.96	7.80	34.26	65.47	68.20	-2.73	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (20MHz RU242)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	36.07	31.58	8.86	34.14	42.37	54.00	-11.63	Average
5507.325	83.67	31.61	8.77	34.15	89.90	54.00	35.90	Average
5470.000	52.64	31.58	8.86	34.14	58.94	68.20	-9.26	Peak
5504.875	96.17	31.61	8.77	34.15	102.40	68.20	34.20	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	38.63	31.58	8.86	34.14	44.93	54.00	-9.07	Average
5508.375	89.64	31.61	8.76	34.15	95.86	54.00	41.86	Average
5467.250	59.21	31.57	8.87	34.13	65.52	68.20	-2.68	Peak
5470.000	57.99	31.58	8.86	34.14	64.29	68.20	-3.91	Peak
5502.075	101.46	31.60	8.78	34.15	107.69	68.20	39.49	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (20MHz RU242)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5691.700	81.17	31.91	7.99	34.25	86.82	54.00	32.82	Average
5725.000	38.08	31.96	7.80	34.26	43.58	54.00	-10.42	Average
5691.545	94.09	31.91	8.00	34.25	99.75	68.20	31.55	Peak
5725.000	54.94	31.96	7.80	34.26	60.44	68.20	-7.76	Peak
5726.420	55.38	31.96	7.79	34.26	60.87	68.20	-7.33	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5695.575	87.50	31.91	7.97	34.25	93.13	54.00	39.13	Average
5725.000	42.13	31.96	7.80	34.26	47.63	54.00	-6.37	Average
5696.195	99.77	31.91	7.97	34.25	105.40	68.20	37.20	Peak
5725.000	59.26	31.96	7.80	34.26	64.76	68.20	-3.44	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	35.27	31.58	8.86	34.14	41.57	54.00	-12.43	Average
5492.120	90.26	31.59	8.80	34.15	96.50	54.00	42.50	Average
5470.000	53.00	31.58	8.86	34.14	59.30	68.20	-8.90	Peak
5492.500	102.22	31.59	8.80	34.15	108.46	68.20	40.26	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	36.40	31.58	8.86	34.14	42.70	54.00	-11.30	Average
5492.120	96.56	31.59	8.80	34.15	102.80	54.00	48.80	Average
5469.510	58.23	31.58	8.86	34.13	64.54	68.20	-3.66	Peak
5470.080	56.10	31.58	8.86	34.14	62.40	68.20	-5.80	Peak
5492.310	108.42	31.59	8.80	34.15	114.66	68.20	46.46	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5687.915	93.34	31.90	8.02	34.24	99.02	54.00	45.02	Average
5725.000	36.02	31.96	7.80	34.26	41.52	54.00	-12.48	Average
5687.545	105.16	31.90	8.02	34.24	110.84	68.20	42.64	Peak
5725.000	53.00	31.96	7.80	34.26	58.50	68.20	-9.70	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5687.730	98.35	31.90	8.02	34.24	104.03	54.00	50.03	Average
5725.000	37.42	31.96	7.80	34.26	42.92	54.00	-11.08	Average
5687.545	109.80	31.90	8.02	34.24	115.48	68.20	47.28	Peak
5725.000	54.31	31.96	7.80	34.26	59.81	68.20	-8.39	Peak
5725.285	57.60	31.96	7.79	34.26	63.09	68.20	-5.11	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU484)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	38.79	31.58	8.86	34.14	45.09	54.00	-8.91	Average
5527.650	80.06	31.64	8.72	34.16	86.26	54.00	32.26	Average
5470.000	52.94	31.58	8.86	34.14	59.24	68.20	-8.96	Peak
5513.020	93.26	31.62	8.75	34.16	99.47	68.20	31.27	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	43.75	31.58	8.86	34.14	50.05	54.00	-3.95	Average
5518.340	85.26	31.63	8.74	34.16	91.47	54.00	37.47	Average
5468.180	59.37	31.57	8.86	34.13	65.67	68.20	-2.53	Peak
5470.000	58.42	31.58	8.86	34.14	64.72	68.20	-3.48	Peak
5524.610	98.03	31.64	8.72	34.16	104.23	68.20	36.03	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU484)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5656.835	79.80	31.85	8.20	34.23	85.62	54.00	31.62	Average
5725.000	35.65	31.96	7.80	34.26	41.15	54.00	-12.85	Average
5657.205	94.02	31.85	8.20	34.23	99.84	68.20	31.64	Peak
5725.000	48.52	31.96	7.80	34.26	54.02	68.20	-14.18	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5657.945	86.33	31.85	8.20	34.23	92.15	54.00	38.15	Average
5725.000	38.13	31.96	7.80	34.26	43.63	54.00	-10.37	Average
5657.205	99.80	31.85	8.20	34.23	105.62	68.20	37.42	Peak
5725.000	53.05	31.96	7.80	34.26	58.55	68.20	-9.65	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (80MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5454.360	38.66	31.56	8.90	34.13	44.99	54.00	-9.01	Average
5470.000	35.63	31.58	8.86	34.14	41.93	54.00	-12.07	Average
5492.160	87.98	31.59	8.80	34.15	94.22	54.00	40.22	Average
5454.360	53.45	31.56	8.90	34.13	59.78	68.20	-8.42	Peak
5470.000	49.93	31.58	8.86	34.14	56.23	68.20	-11.97	Peak
5491.800	99.43	31.59	8.81	34.15	105.68	68.20	37.48	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5453.820	40.78	31.56	8.90	34.13	47.11	54.00	-6.89	Average
5470.000	36.30	31.58	8.86	34.14	42.60	54.00	-11.40	Average
5492.520	94.61	31.59	8.80	34.15	100.85	54.00	46.85	Average
5454.540	59.04	31.56	8.90	34.13	65.37	68.20	-2.83	Peak
5470.000	56.19	31.58	8.86	34.14	62.49	68.20	-5.71	Peak
5492.160	106.81	31.59	8.80	34.15	113.05	68.20	44.85	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (80MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5648.000	93.57	31.84	8.25	34.22	99.44	54.00	45.44	Average
5725.000	36.03	31.96	7.80	34.26	41.53	54.00	-12.47	Average
5648.000	106.29	31.84	8.25	34.22	112.16	68.20	43.96	Peak
5725.000	49.57	31.96	7.80	34.26	55.07	68.20	-13.13	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5647.780	99.17	31.84	8.26	34.22	105.05	54.00	51.05	Average
5725.000	37.31	31.96	7.80	34.26	42.81	54.00	-11.19	Average
5647.560	110.91	31.84	8.26	34.22	116.79	68.20	48.59	Peak
5725.000	50.62	31.96	7.80	34.26	56.12	68.20	-12.08	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (80MHz RU996)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	37.39	31.58	8.86	34.14	43.69	54.00	-10.31	Average
5561.460	77.24	31.70	8.63	34.18	83.39	54.00	29.39	Average
5466.780	52.28	31.57	8.87	34.13	58.59	68.20	-9.61	Peak
5470.000	50.40	31.58	8.86	34.14	56.70	68.20	-11.50	Peak
5562.360	90.08	31.70	8.63	34.18	96.23	68.20	28.03	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	41.19	31.58	8.86	34.14	47.49	54.00	-6.51	Average
5541.300	83.12	31.67	8.68	34.17	89.30	54.00	35.30	Average
5440.320	58.58	31.55	8.93	34.12	64.94	68.20	-3.26	Peak
5470.000	54.90	31.58	8.86	34.14	61.20	68.20	-7.00	Peak
5553.540	95.70	31.69	8.65	34.18	101.86	68.20	33.66	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (80MHz RU996)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5618.960	82.01	31.79	8.43	34.21	88.02	54.00	34.02	Average
5725.000	39.02	31.96	7.80	34.26	44.52	54.00	-9.48	Average
5622.920	94.27	31.80	8.40	34.21	100.26	68.20	32.06	Peak
5725.000	48.76	31.96	7.80	34.26	54.26	68.20	-13.94	Peak
5774.060	53.12	32.04	7.50	34.29	58.37	68.20	-9.83	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5581.780	89.25	31.73	8.58	34.19	95.37	54.00	41.37	Average
5725.000	41.89	31.96	7.80	34.26	47.39	54.00	-6.61	Average
5584.420	101.55	31.74	8.58	34.19	107.68	68.20	39.48	Peak
5725.000	55.68	31.96	7.80	34.26	61.18	68.20	-7.02	Peak
5730.280	57.94	31.97	7.76	34.27	63.40	68.20	-4.80	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



**BUREAU
VERITAS**

Test Report No.: W7L-P21100002RF09-1

802.11ax (20MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	32.07	31.58	8.86	34.14	38.37	54.00	-15.63	Average
5721.000	90.80	31.95	7.82	34.26	96.31	54.00	42.31	Average
5850.000	31.71	32.16	7.46	34.33	37.00	54.00	-17.00	Average
5470.000	44.22	31.58	8.86	34.14	50.52	68.20	-17.68	Peak
5719.000	102.12	31.95	7.83	34.26	107.64	68.20	39.44	Peak
5850.000	44.48	32.16	7.46	34.33	49.77	68.20	-18.43	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	31.90	31.58	8.86	34.14	38.20	54.00	-15.80	Average
5721.000	95.99	31.95	7.82	34.26	101.50	54.00	47.50	Average
5850.000	32.79	32.16	7.46	34.33	38.08	54.00	-15.92	Average
5470.000	43.31	31.58	8.86	34.14	49.61	68.20	-18.59	Peak
5719.000	107.50	31.95	7.83	34.26	113.02	68.20	44.82	Peak
5850.000	45.55	32.16	7.46	34.33	50.84	68.20	-17.36	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (20MHz RU242)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	30.92	31.58	8.86	34.14	37.22	54.00	-16.78	Average
5713.500	82.20	31.94	7.86	34.26	87.74	54.00	33.74	Average
5850.000	31.01	32.16	7.46	34.33	36.30	54.00	-17.70	Average
5470.000	43.83	31.58	8.86	34.14	50.13	68.20	-18.07	Peak
5715.000	97.28	31.94	7.86	34.26	102.82	68.20	34.62	Peak
5850.000	44.45	32.16	7.46	34.33	49.74	68.20	-18.46	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	31.13	31.58	8.86	34.14	37.43	54.00	-16.57	Average
5715.500	86.97	31.94	7.85	34.26	92.50	54.00	38.50	Average
5850.000	32.38	32.16	7.46	34.33	37.67	54.00	-16.33	Average
5470.000	43.62	31.58	8.86	34.14	49.92	68.20	-18.28	Peak
5715.000	102.38	31.94	7.86	34.26	107.92	68.20	39.72	Peak
5850.000	46.17	32.16	7.46	34.33	51.46	68.20	-16.74	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	31.83	31.58	8.86	34.14	38.13	54.00	-15.87	Average
5709.000	93.65	31.93	7.89	34.25	99.22	54.00	45.22	Average
5850.000	32.13	32.16	7.46	34.33	37.42	54.00	-16.58	Average
5470.000	43.76	31.58	8.86	34.14	50.06	68.20	-18.14	Peak
5708.500	105.20	31.93	7.89	34.25	110.77	68.20	42.57	Peak
5850.000	44.54	32.16	7.46	34.33	49.83	68.20	-18.37	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	32.09	31.58	8.86	34.14	38.39	54.00	-15.61	Average
5709.000	97.71	31.93	7.89	34.25	103.28	54.00	49.28	Average
5850.000	33.93	32.16	7.46	34.33	39.22	54.00	-14.78	Average
5470.000	44.20	31.58	8.86	34.14	50.50	68.20	-17.70	Peak
5709.000	110.03	31.93	7.89	34.25	115.60	68.20	47.40	Peak
5850.000	46.50	32.16	7.46	34.33	51.79	68.20	-16.41	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU484)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	30.96	31.58	8.86	34.14	37.26	54.00	-16.74	Average
5697.000	80.95	31.92	7.96	34.25	86.58	54.00	32.58	Average
5850.000	31.72	32.16	7.46	34.33	37.01	54.00	-16.99	Average
5470.000	43.24	31.58	8.86	34.14	49.54	68.20	-18.66	Peak
5693.000	95.09	31.91	7.99	34.25	100.74	68.20	32.54	Peak
5850.000	44.26	32.16	7.46	34.33	49.55	68.20	-18.65	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	31.24	31.58	8.86	34.14	37.54	54.00	-16.46	Average
5695.000	84.98	31.91	7.97	34.25	90.61	54.00	36.61	Average
5850.000	34.02	32.16	7.46	34.33	39.31	54.00	-14.69	Average
5470.000	44.31	31.58	8.86	34.14	50.61	68.20	-17.59	Peak
5702.000	98.78	31.92	7.93	34.25	104.38	68.20	36.18	Peak
5850.000	47.76	32.16	7.46	34.33	53.05	68.20	-15.15	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (80MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	32.51	31.58	8.86	34.14	38.81	54.00	-15.19	Average
5689.000	93.68	31.90	8.01	34.24	99.35	54.00	45.35	Average
5850.000	33.02	32.16	7.46	34.33	38.31	54.00	-15.69	Average
5470.000	45.98	31.58	8.86	34.14	52.28	68.20	-15.92	Peak
5689.000	105.28	31.90	8.01	34.24	110.95	68.20	42.75	Peak
5850.000	45.42	32.16	7.46	34.33	50.71	68.20	-17.49	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	33.56	31.58	8.86	34.14	39.86	54.00	-14.14	Average
5691.000	97.94	31.91	8.00	34.25	103.60	54.00	49.60	Average
5850.000	35.74	32.16	7.46	34.33	41.03	54.00	-12.97	Average
5470.000	47.11	31.58	8.86	34.14	53.41	68.20	-14.79	Peak
5690.500	109.67	31.90	8.00	34.25	115.32	68.20	47.12	Peak
5850.000	49.19	32.16	7.46	34.33	54.48	68.20	-13.72	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (80MHz RU996)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	31.91	31.58	8.86	34.14	38.21	54.00	-15.79	Average
5661.000	79.32	31.86	8.18	34.23	85.13	54.00	31.13	Average
5850.000	33.43	32.16	7.46	34.33	38.72	54.00	-15.28	Average
5470.000	46.34	31.58	8.86	34.14	52.64	68.20	-15.56	Peak
5662.500	92.74	31.86	8.17	34.23	98.54	68.20	30.34	Peak
5850.000	48.86	32.16	7.46	34.33	54.15	68.20	-14.05	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5470.000	33.73	31.58	8.86	34.14	40.03	54.00	-13.97	Average
5660.000	82.49	31.86	8.18	34.23	88.30	54.00	34.30	Average
5850.000	38.21	32.16	7.46	34.33	43.50	54.00	-10.50	Average
5470.000	47.40	31.58	8.86	34.14	53.70	68.20	-14.50	Peak
5701.500	96.75	31.92	7.94	34.25	102.36	68.20	34.16	Peak
5850.000	54.93	32.16	7.46	34.33	60.22	68.20	-7.98	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.

Band 4:

ABOVE 1GHz WORST-CASE DATA Ant 1:

802.11ax (20MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	36.50	31.96	7.80	34.26	42.00	122.20	-80.20	Average
5736.825	93.54	31.98	7.73	34.27	98.98	122.20	-23.22	Average
5724.290	66.61	31.96	7.80	34.26	72.11	120.58	-48.47	Peak
5725.000	66.44	31.96	7.80	34.26	71.94	122.20	-50.26	Peak
5736.135	106.20	31.98	7.73	34.27	111.64	122.20	-10.56	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	38.33	31.96	7.80	34.26	43.83	122.20	-78.37	Average
5736.480	97.14	31.98	7.73	34.27	102.58	122.20	-19.62	Average
5725.000	67.75	31.96	7.80	34.26	73.25	122.20	-48.95	Peak
5736.710	109.46	31.98	7.73	34.27	114.90	122.20	-7.30	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (20MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5833.275	93.82	32.13	7.42	34.32	99.05	122.20	-23.15	Average
5850.000	36.33	32.16	7.46	34.33	41.62	122.20	-80.58	Average
5855.000	34.32	32.17	7.47	34.33	39.63	110.80	-71.17	Average
5875.000	33.37	32.20	7.52	34.34	38.75	105.20	-66.45	Average
5925.000	33.23	32.28	7.63	34.36	38.78	68.20	-29.42	Average
5832.885	105.60	32.13	7.42	34.32	110.83	122.20	-11.37	Peak
5850.000	58.75	32.16	7.46	34.33	64.04	122.20	-58.16	Peak
5855.000	57.79	32.17	7.47	34.33	63.10	110.80	-47.70	Peak
5875.000	50.99	32.20	7.52	34.34	56.37	105.20	-48.83	Peak
5925.000	45.80	32.28	7.63	34.36	51.35	68.20	-16.85	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5833.275	96.72	32.13	7.42	34.32	101.95	122.20	-20.25	Average
5850.000	37.99	32.16	7.46	34.33	43.28	122.20	-78.92	Average
5855.000	35.89	32.17	7.47	34.33	41.20	110.80	-69.60	Average
5875.000	34.54	32.20	7.52	34.34	39.92	105.20	-65.28	Average
5925.000	33.97	32.28	7.63	34.36	39.52	68.20	-28.68	Average
5833.665	107.94	32.13	7.43	34.32	113.18	122.20	-9.02	Peak
5850.000	65.07	32.16	7.46	34.33	70.36	122.20	-51.84	Peak
5855.000	58.43	32.17	7.47	34.33	63.74	110.80	-47.06	Peak
5875.000	52.22	32.20	7.52	34.34	57.60	105.20	-47.60	Peak
5925.000	46.83	32.28	7.63	34.36	52.38	68.20	-15.82	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (20MHz RU242)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	47.08	31.96	7.80	34.26	52.58	122.20	-69.62	Average
5741.540	84.45	31.99	7.70	34.27	89.87	122.20	-32.33	Average
5725.000	63.55	31.96	7.80	34.26	69.05	122.20	-53.15	Peak
5746.830	97.45	31.99	7.67	34.27	102.84	122.20	-19.36	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	50.71	31.96	7.80	34.26	56.21	122.20	-65.99	Average
5741.425	87.73	31.99	7.70	34.27	93.15	122.20	-29.05	Average
5723.255	66.88	31.96	7.81	34.26	72.39	118.22	-45.83	Peak
5725.000	66.63	31.96	7.80	34.26	72.13	122.20	-50.07	Peak
5746.830	100.54	31.99	7.67	34.27	105.93	122.20	-16.27	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (20MHz RU242)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5821.380	84.71	32.11	7.40	34.31	89.91	122.20	-32.29	Average
5850.000	42.72	32.16	7.46	34.33	48.01	122.20	-74.19	Average
5855.000	34.64	32.17	7.47	34.33	39.95	110.80	-70.85	Average
5875.000	33.53	32.20	7.52	34.34	38.91	105.20	-66.29	Average
5925.000	33.30	32.28	7.63	34.36	38.85	68.20	-29.35	Average

5820.600	97.08	32.11	7.40	34.31	102.28	122.20	-19.92	Peak
5850.000	65.43	32.16	7.46	34.33	70.72	122.20	-51.48	Peak
5855.000	53.57	32.17	7.47	34.33	58.88	110.80	-51.92	Peak
5875.000	46.72	32.20	7.52	34.34	52.10	105.20	-53.10	Peak
5925.000	45.44	32.28	7.63	34.36	50.99	68.20	-17.21	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5817.870	88.36	32.11	7.39	34.31	93.55	122.20	-28.65	Average
5850.000	44.52	32.16	7.46	34.33	49.81	122.20	-72.39	Average
5855.000	36.69	32.17	7.47	34.33	42.00	110.80	-68.80	Average
5875.000	34.68	32.20	7.52	34.34	40.06	105.20	-65.14	Average
5925.000	34.29	32.28	7.63	34.36	39.84	68.20	-28.36	Average

5816.700	100.87	32.11	7.39	34.31	106.06	122.20	-16.14	Peak
5850.000	67.91	32.16	7.46	34.33	73.20	122.20	-49.00	Peak
5855.000	56.08	32.17	7.47	34.33	61.39	110.80	-49.41	Peak
5875.000	48.44	32.20	7.52	34.34	53.82	105.20	-51.38	Peak
5925.000	47.49	32.28	7.63	34.36	53.04	68.20	-15.16	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5719.255	48.40	31.95	7.83	34.26	53.92	110.59	-56.67	Average
5725.000	36.16	31.96	7.80	34.26	41.66	122.20	-80.54	Average
5737.075	93.48	31.98	7.72	34.27	98.91	122.20	-23.29	Average
5724.520	68.93	31.96	7.80	34.26	74.43	121.11	-46.68	Peak
5725.000	65.38	31.96	7.80	34.26	70.88	122.20	-51.32	Peak
5737.345	105.33	31.98	7.72	34.27	110.76	122.20	-11.44	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5719.120	51.98	31.95	7.83	34.26	57.50	110.55	-53.05	Average
5725.000	38.02	31.96	7.80	34.26	43.52	122.20	-78.68	Average
5737.075	96.84	31.98	7.72	34.27	102.27	122.20	-19.93	Average
5725.000	72.98	31.96	7.80	34.26	78.48	122.20	-43.72	Peak
5737.210	109.09	31.98	7.72	34.27	114.52	122.20	-7.68	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5812.940	93.85	32.10	7.38	34.31	99.02	122.20	-23.18	Average
5850.000	35.12	32.16	7.46	34.33	40.41	122.20	-81.79	Average
5855.000	32.82	32.17	7.47	34.33	38.13	110.80	-72.67	Average
5875.000	32.48	32.20	7.52	34.34	37.86	105.20	-67.34	Average
5925.000	33.01	32.28	7.63	34.36	38.56	68.20	-29.64	Average
5812.470	105.66	32.10	7.38	34.31	110.83	122.20	-11.37	Peak
5850.000	56.17	32.16	7.46	34.33	61.46	122.20	-60.74	Peak
5855.000	53.01	32.17	7.47	34.33	58.32	110.80	-52.48	Peak
5875.000	46.31	32.20	7.52	34.34	51.69	105.20	-53.51	Peak
5925.000	45.75	32.28	7.63	34.36	51.30	68.20	-16.90	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5812.705	97.35	32.10	7.38	34.31	102.52	122.20	-19.68	Average
5850.000	36.73	32.16	7.46	34.33	42.02	122.20	-80.18	Average
5855.000	33.29	32.17	7.47	34.33	38.60	110.80	-72.20	Average
5875.000	33.02	32.20	7.52	34.34	38.40	105.20	-66.80	Average
5925.000	33.46	32.28	7.63	34.36	39.01	68.20	-29.19	Average
5813.175	109.66	32.10	7.38	34.31	114.83	122.20	-7.37	Peak
5850.000	58.13	32.16	7.46	34.33	63.42	122.20	-58.78	Peak
5855.000	55.22	32.17	7.47	34.33	60.53	110.80	-50.27	Peak
5875.000	47.07	32.20	7.52	34.34	52.45	105.20	-52.75	Peak
5925.000	46.37	32.28	7.63	34.36	51.92	68.20	-16.28	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU484)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	50.02	31.96	7.80	34.26	55.52	122.20	-66.68	Average
5749.765	81.13	32.00	7.65	34.27	86.51	122.20	-35.69	Average
5717.230	66.28	31.95	7.84	34.26	71.81	110.03	-38.22	Peak
5725.000	63.59	31.96	7.80	34.26	69.09	122.20	-53.11	Peak
5738.020	93.67	31.98	7.72	34.27	99.10	122.20	-23.10	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	53.28	31.96	7.80	34.26	58.78	122.20	-63.42	Average
5769.475	84.61	32.03	7.53	34.28	89.89	122.20	-32.31	Average
5717.095	69.41	31.95	7.84	34.26	74.94	109.99	-35.05	Peak
5725.000	67.25	31.96	7.80	34.26	72.75	122.20	-49.45	Peak
5770.825	97.33	32.03	7.52	34.29	102.59	122.20	-19.61	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU484)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5790.615	82.53	32.06	7.41	34.30	87.70	122.20	-34.50	Average
5850.000	36.27	32.16	7.46	34.33	41.56	122.20	-80.64	Average
5855.000	34.48	32.17	7.47	34.33	39.79	110.80	-71.01	Average
5875.000	33.50	32.20	7.52	34.34	38.88	105.20	-66.32	Average
5925.000	33.24	32.28	7.63	34.36	38.79	68.20	-29.41	Average
5800.955	95.09	32.08	7.35	34.30	100.22	122.20	-21.98	Peak
5850.000	52.35	32.16	7.46	34.33	57.64	122.20	-64.56	Peak
5855.000	50.08	32.17	7.47	34.33	55.39	110.80	-55.41	Peak
5875.000	46.92	32.20	7.52	34.34	52.30	105.20	-52.90	Peak
5925.000	45.95	32.28	7.63	34.36	51.50	68.20	-16.70	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5812.705	85.05	32.10	7.38	34.31	90.22	122.20	-31.98	Average
5850.000	38.10	32.16	7.46	34.33	43.39	122.20	-78.81	Average
5855.000	36.24	32.17	7.47	34.33	41.55	110.80	-69.25	Average
5875.000	34.47	32.20	7.52	34.34	39.85	105.20	-65.35	Average
5925.000	33.87	32.28	7.63	34.36	39.42	68.20	-28.78	Average
5812.000	98.02	32.10	7.38	34.31	103.19	122.20	-19.01	Peak
5850.000	55.04	32.16	7.46	34.33	60.33	122.20	-61.87	Peak
5855.000	52.41	32.17	7.47	34.33	57.72	110.80	-53.08	Peak
5875.000	48.94	32.20	7.52	34.34	54.32	105.20	-50.88	Peak
5925.000	45.93	32.28	7.63	34.36	51.48	68.20	-16.72	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (80MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5699.000	48.41	31.92	7.95	34.25	54.03	104.46	-50.43	Average
5725.000	35.89	31.96	7.80	34.26	41.39	122.20	-80.81	Average
5737.025	93.44	31.98	7.72	34.27	98.87	122.20	-23.33	Average
5812.725	94.01	32.10	7.38	34.31	99.18	122.20	-23.02	Average
5850.000	47.85	32.16	7.46	34.33	53.14	122.20	-69.06	Average
5855.000	33.86	32.17	7.47	34.33	39.17	110.80	-71.63	Average
5875.000	33.44	32.20	7.52	34.34	38.82	105.20	-66.38	Average
5925.000	34.73	32.28	7.63	34.36	40.28	68.20	-27.92	Average
5622.050	53.52	31.80	8.41	34.21	59.52	68.20	-8.68	Peak
5725.000	63.68	31.96	7.80	34.26	69.18	122.20	-53.02	Peak
5737.250	105.19	31.98	7.72	34.27	110.62	122.20	-11.58	Peak
5812.450	105.98	32.10	7.38	34.31	111.15	122.20	-11.05	Peak
5850.000	63.57	32.16	7.46	34.33	68.86	122.20	-53.34	Peak
5855.000	59.31	32.17	7.47	34.33	64.62	110.80	-46.18	Peak
5875.000	51.43	32.20	7.52	34.34	56.81	105.20	-48.39	Peak
5925.000	50.51	32.28	7.63	34.36	56.06	68.20	-12.14	Peak



802.11ax (80MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5699.000	50.79	31.92	7.95	34.25	56.41	104.46	-48.05	Average
5725.000	37.61	31.96	7.80	34.26	43.11	122.20	-79.09	Average
5737.475	97.01	31.98	7.72	34.27	102.44	122.20	-19.76	Average
5812.725	97.81	32.10	7.38	34.31	102.98	122.20	-19.22	Average
5850.000	50.48	32.16	7.46	34.33	55.77	122.20	-66.43	Average
5855.000	35.20	32.17	7.47	34.33	40.51	110.80	-70.29	Average
5875.000	34.88	32.20	7.52	34.34	40.26	105.20	-64.94	Average
5925.000	36.43	32.28	7.63	34.36	41.98	68.20	-26.22	Average
5625.200	55.00	31.80	8.39	34.21	60.98	68.20	-7.22	Peak
5725.000	69.13	31.96	7.80	34.26	74.63	122.20	-47.57	Peak
5737.475	108.96	31.98	7.72	34.27	114.39	122.20	-7.81	Peak
5812.725	109.40	32.10	7.38	34.31	114.57	122.20	-7.63	Peak
5850.000	66.85	32.16	7.46	34.33	72.14	122.20	-50.06	Peak
5855.000	60.68	32.17	7.47	34.33	65.99	110.80	-44.81	Peak
5875.000	55.59	32.20	7.52	34.34	60.97	105.20	-44.23	Peak
5925.000	52.18	32.28	7.63	34.36	57.73	68.20	-10.47	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (80MHz RU996)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamplifier factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	49.78	31.96	7.80	34.26	55.28	122.20	-66.92	Average
5785.400	79.25	32.06	7.44	34.29	84.46	122.20	-37.74	Average
5785.225	79.41	32.06	7.44	34.29	84.62	122.20	-37.58	Average
5850.000	46.51	32.16	7.46	34.33	51.80	122.20	-70.40	Average
5855.000	45.72	32.17	7.47	34.33	51.03	110.80	-59.77	Average
5875.000	40.29	32.20	7.52	34.34	45.67	105.20	-59.53	Average
5925.000	36.33	32.28	7.63	34.36	41.88	68.20	-26.32	Average
5725.000	64.56	31.96	7.80	34.26	70.06	122.20	-52.14	Peak
5778.425	92.18	32.05	7.48	34.29	97.42	122.20	-24.78	Peak
5778.350	92.15	32.05	7.48	34.29	97.39	122.20	-24.81	Peak
5850.000	60.02	32.16	7.46	34.33	65.31	122.20	-56.89	Peak
5855.000	60.38	32.17	7.47	34.33	65.69	110.80	-45.11	Peak
5875.000	56.05	32.20	7.52	34.34	61.43	105.20	-43.77	Peak
5925.000	51.07	32.28	7.63	34.36	56.62	68.20	-11.58	Peak



802.11ax (80MHz RU996)

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

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	53.45	31.96	7.80	34.26	58.95	122.20	-63.25	Average
5781.125	82.15	32.05	7.46	34.29	87.37	122.20	-34.83	Average
5781.375	82.24	32.05	7.46	34.29	87.46	122.20	-34.74	Average
5850.000	49.24	32.16	7.46	34.33	54.53	122.20	-67.67	Average
5855.000	48.13	32.17	7.47	34.33	53.44	110.80	-57.36	Average
5875.000	42.85	32.20	7.52	34.34	48.23	105.20	-56.97	Average
5925.000	38.96	32.28	7.63	34.36	44.51	68.20	-23.69	Average
5725.000	68.12	31.96	7.80	34.26	73.62	122.20	-48.58	Peak
5778.425	95.66	32.05	7.48	34.29	100.90	122.20	-21.30	Peak
5778.350	95.51	32.05	7.48	34.29	100.75	122.20	-21.45	Peak
5850.000	62.59	32.16	7.46	34.33	67.88	122.20	-54.32	Peak
5855.000	63.07	32.17	7.47	34.33	68.38	110.80	-42.42	Peak
5875.000	58.66	32.20	7.52	34.34	64.04	105.20	-41.16	Peak
5925.000	55.00	32.28	7.63	34.36	60.55	68.20	-7.65	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



ABOVE 1GHz WORST-CASE DATA Ant 0+1:

802.11ax (20MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	36.94	31.96	7.80	34.26	42.44	122.20	-79.76	Average
5736.365	93.36	31.98	7.73	34.27	98.80	122.20	-23.40	Average
5725.000	59.29	31.96	7.80	34.26	64.79	122.20	-57.41	Peak
5736.020	104.66	31.98	7.73	34.27	110.10	122.20	-12.10	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	40.16	31.96	7.80	34.26	45.66	122.20	-76.54	Average
5736.710	98.30	31.98	7.73	34.27	103.74	122.20	-18.46	Average
5725.000	65.30	31.96	7.80	34.26	70.80	122.20	-51.40	Peak
5736.365	109.88	31.98	7.73	34.27	115.32	122.20	-6.88	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (20MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5833.080	93.34	32.13	7.42	34.32	98.57	122.20	-23.63	Average
5850.000	36.09	32.16	7.46	34.33	41.38	122.20	-80.82	Average
5855.000	34.56	32.17	7.47	34.33	39.87	110.80	-70.93	Average
5875.000	33.49	32.20	7.52	34.34	38.87	105.20	-66.33	Average
5925.000	33.23	32.28	7.63	34.36	38.78	68.20	-29.42	Average

5833.275	105.42	32.13	7.42	34.32	110.65	122.20	-11.55	Peak
5850.000	60.97	32.16	7.46	34.33	66.26	122.20	-55.94	Peak
5855.000	53.20	32.17	7.47	34.33	58.51	110.80	-52.29	Peak
5875.000	48.87	32.20	7.52	34.34	54.25	105.20	-50.95	Peak
5925.000	46.13	32.28	7.63	34.36	51.68	68.20	-16.52	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5833.275	98.71	32.13	7.42	34.32	103.94	122.20	-18.26	Average
5850.000	39.12	32.16	7.46	34.33	44.41	122.20	-77.79	Average
5855.000	37.11	32.17	7.47	34.33	42.42	110.80	-68.38	Average
5875.000	35.36	32.20	7.52	34.34	40.74	105.20	-64.46	Average
5925.000	34.14	32.28	7.63	34.36	39.69	68.20	-28.51	Average

5833.275	109.82	32.13	7.42	34.32	115.05	122.20	-7.15	Peak
5850.000	59.20	32.16	7.46	34.33	64.49	122.20	-57.71	Peak
5855.000	57.16	32.17	7.47	34.33	62.47	110.80	-48.33	Peak
5875.000	51.95	32.20	7.52	34.34	57.33	105.20	-47.87	Peak
5925.000	46.42	32.28	7.63	34.36	51.97	68.20	-16.23	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (20MHz RU242)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	48.53	31.96	7.80	34.26	54.03	122.20	-68.17	Average
5740.505	83.97	31.98	7.70	34.27	89.38	122.20	-32.82	Average
5725.000	64.39	31.96	7.80	34.26	69.89	122.20	-52.31	Peak
5739.585	97.40	31.98	7.71	34.27	102.82	122.20	-19.38	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	54.81	31.96	7.80	34.26	60.31	122.20	-61.89	Average
5746.255	89.13	31.99	7.67	34.27	94.52	122.20	-27.68	Average
5725.000	68.83	31.96	7.80	34.26	74.33	122.20	-47.87	Peak
5739.700	101.76	31.98	7.71	34.27	107.18	122.20	-15.02	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (20MHz RU242)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5826.255	84.68	32.12	7.41	34.31	89.90	122.20	-32.30	Average
5850.000	44.76	32.16	7.46	34.33	50.05	122.20	-72.15	Average
5855.000	36.61	32.17	7.47	34.33	41.92	110.80	-68.88	Average
5875.000	34.03	32.20	7.52	34.34	39.41	105.20	-65.79	Average
5925.000	33.34	32.28	7.63	34.36	38.89	68.20	-29.31	Average
5829.570	96.59	32.13	7.42	34.31	101.83	122.20	-20.37	Peak
5850.000	62.71	32.16	7.46	34.33	68.00	122.20	-54.20	Peak
5855.000	53.40	32.17	7.47	34.33	58.71	110.80	-52.09	Peak
5875.000	47.21	32.20	7.52	34.34	52.59	105.20	-52.61	Peak
5925.000	45.36	32.28	7.63	34.36	50.91	68.20	-17.29	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5823.915	89.77	32.12	7.40	34.31	94.98	122.20	-27.22	Average
5850.000	48.98	32.16	7.46	34.33	54.27	122.20	-67.93	Average
5855.000	40.06	32.17	7.47	34.33	45.37	110.80	-65.43	Average
5875.000	36.56	32.20	7.52	34.34	41.94	105.20	-63.26	Average
5925.000	34.42	32.28	7.63	34.36	39.97	68.20	-28.23	Average
5820.015	101.87	32.11	7.40	34.31	107.07	122.20	-15.13	Peak
5850.000	66.51	32.16	7.46	34.33	71.80	122.20	-50.40	Peak
5855.000	57.41	32.17	7.47	34.33	62.72	110.80	-48.08	Peak
5875.000	49.91	32.20	7.52	34.34	55.29	105.20	-49.91	Peak
5925.000	47.01	32.28	7.63	34.36	52.56	68.20	-15.64	Peak

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	37.08	31.96	7.80	34.26	42.58	122.20	-79.62	Average
5737.480	93.72	31.98	7.72	34.27	99.15	122.20	-23.05	Average
5725.000	63.24	31.96	7.80	34.26	68.74	122.20	-53.46	Peak
5737.345	105.11	31.98	7.72	34.27	110.54	122.20	-11.66	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	40.09	31.96	7.80	34.26	45.59	122.20	-76.61	Average
5737.345	98.69	31.98	7.72	34.27	104.12	122.20	-18.08	Average
5725.000	67.19	31.96	7.80	34.26	72.69	122.20	-49.51	Peak
5737.210	110.11	31.98	7.72	34.27	115.54	122.20	-6.66	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5812.940	93.39	32.10	7.38	34.31	98.56	122.20	-23.64	Average
5850.000	34.49	32.16	7.46	34.33	39.78	122.20	-82.42	Average
5855.000	32.61	32.17	7.47	34.33	37.92	110.80	-72.88	Average
5875.000	32.59	32.20	7.52	34.34	37.97	105.20	-67.23	Average
5925.000	32.74	32.28	7.63	34.36	38.29	68.20	-29.91	Average
5812.235	105.10	32.10	7.38	34.31	110.27	122.20	-11.93	Peak
5850.000	50.52	32.16	7.46	34.33	55.81	122.20	-66.39	Peak
5855.000	45.99	32.17	7.47	34.33	51.30	110.80	-59.50	Peak
5875.000	46.20	32.20	7.52	34.34	51.58	105.20	-53.62	Peak
5925.000	45.80	32.28	7.63	34.36	51.35	68.20	-16.85	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5812.940	98.69	32.10	7.38	34.31	103.86	122.20	-18.34	Average
5850.000	36.39	32.16	7.46	34.33	41.68	122.20	-80.52	Average
5855.000	33.94	32.17	7.47	34.33	39.25	110.80	-71.55	Average
5875.000	33.31	32.20	7.52	34.34	38.69	105.20	-66.51	Average
5925.000	33.33	32.28	7.63	34.36	38.88	68.20	-29.32	Average
5812.705	110.10	32.10	7.38	34.31	115.27	122.20	-6.93	Peak
5850.000	53.71	32.16	7.46	34.33	59.00	122.20	-63.20	Peak
5855.000	48.74	32.17	7.47	34.33	54.05	110.80	-56.75	Peak
5875.000	45.86	32.20	7.52	34.34	51.24	105.20	-53.96	Peak
5925.000	45.37	32.28	7.63	34.36	50.92	68.20	-17.28	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU484)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	50.16	31.96	7.80	34.26	55.66	122.20	-66.54	Average
5747.875	81.55	32.00	7.66	34.27	86.94	122.20	-35.26	Average
5725.000	63.49	31.96	7.80	34.26	68.99	122.20	-53.21	Peak
5743.420	94.30	31.99	7.69	34.27	99.71	122.20	-22.49	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	54.95	31.96	7.80	34.26	60.45	122.20	-61.75	Average
5747.335	86.28	32.00	7.66	34.27	91.67	122.20	-30.53	Average
5725.000	67.88	31.96	7.80	34.26	73.38	122.20	-48.82	Peak
5745.175	98.22	31.99	7.68	34.27	103.62	122.20	-18.58	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (40MHz RU484)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5800.485	81.77	32.08	7.35	34.30	86.90	122.20	-35.30	Average
5850.000	36.93	32.16	7.46	34.33	42.22	122.20	-79.98	Average
5855.000	35.22	32.17	7.47	34.33	40.53	110.80	-70.27	Average
5875.000	34.00	32.20	7.52	34.34	39.38	105.20	-65.82	Average
5925.000	33.19	32.28	7.63	34.36	38.74	68.20	-29.46	Average
5804.245	94.90	32.09	7.36	34.30	100.05	122.20	-22.15	Peak
5850.000	53.34	32.16	7.46	34.33	58.63	122.20	-63.57	Peak
5855.000	52.82	32.17	7.47	34.33	58.13	110.80	-52.67	Peak
5875.000	46.97	32.20	7.52	34.34	52.35	105.20	-52.85	Peak
5925.000	45.15	32.28	7.63	34.36	50.70	68.20	-17.50	Peak

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5790.380	86.90	32.06	7.41	34.30	92.07	122.20	-30.13	Average
5850.000	39.67	32.16	7.46	34.33	44.96	122.20	-77.24	Average
5855.000	37.86	32.17	7.47	34.33	43.17	110.80	-67.63	Average
5875.000	35.14	32.20	7.52	34.34	40.52	105.20	-64.68	Average
5925.000	33.65	32.28	7.63	34.36	39.20	68.20	-29.00	Average
5789.910	98.41	32.06	7.41	34.29	103.59	122.20	-18.61	Peak
5850.000	55.55	32.16	7.46	34.33	60.84	122.20	-61.36	Peak
5855.000	55.22	32.17	7.47	34.33	60.53	110.80	-50.27	Peak
5875.000	48.74	32.20	7.52	34.34	54.12	105.20	-51.08	Peak
5925.000	45.55	32.28	7.63	34.36	51.10	68.20	-17.10	Peak

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (80MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	34.90	31.96	7.80	34.26	40.40	122.20	-81.80	Average
5737.250	89.42	31.98	7.72	34.27	94.85	122.20	-27.35	Average
5812.725	92.35	32.10	7.38	34.31	97.52	122.20	-24.68	Average
5850.000	43.87	32.16	7.46	34.33	49.16	122.20	-73.04	Average
5855.000	33.79	32.17	7.47	34.33	39.10	110.80	-71.70	Average
5875.000	33.15	32.20	7.52	34.34	38.53	105.20	-66.67	Average
5925.000	33.53	32.28	7.63	34.36	39.08	68.20	-29.12	Average
5725.000	56.74	31.96	7.80	34.26	62.24	122.20	-59.96	Peak
5737.250	101.45	31.98	7.72	34.27	106.88	122.20	-15.32	Peak
5812.725	103.41	32.10	7.38	34.31	108.58	122.20	-13.62	Peak
5850.000	63.31	32.16	7.46	34.33	68.60	122.20	-53.60	Peak
5855.000	55.21	32.17	7.47	34.33	60.52	110.80	-50.28	Peak
5875.000	51.29	32.20	7.52	34.34	56.67	105.20	-48.53	Peak
5925.000	47.08	32.28	7.63	34.36	52.63	68.20	-15.57	Peak



802.11ax (80MHz RU26)

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

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	37.76	31.96	7.80	34.26	43.26	122.20	-78.94	Average
5737.250	94.45	31.98	7.72	34.27	99.88	122.20	-22.32	Average
5812.725	96.84	32.10	7.38	34.31	102.01	122.20	-20.19	Average
5850.000	47.48	32.16	7.46	34.33	52.77	122.20	-69.43	Average
5855.000	36.13	32.17	7.47	34.33	41.44	110.80	-69.36	Average
5875.000	34.34	32.20	7.52	34.34	39.72	105.20	-65.48	Average
5925.000	35.70	32.28	7.63	34.36	41.25	68.20	-26.95	Average
5725.000	60.98	31.96	7.80	34.26	66.48	122.20	-55.72	Peak
5736.800	106.80	31.98	7.73	34.27	112.24	122.20	-9.96	Peak
5812.450	108.49	32.10	7.38	34.31	113.66	122.20	-8.54	Peak
5850.000	64.37	32.16	7.46	34.33	69.66	122.20	-52.54	Peak
5855.000	56.73	32.17	7.47	34.33	62.04	110.80	-48.76	Peak
5875.000	52.11	32.20	7.52	34.34	57.49	105.20	-47.71	Peak
5925.000	50.60	32.28	7.63	34.36	56.15	68.20	-12.05	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.



802.11ax (80MHz RU996)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	45.46	31.96	7.80	34.26	50.96	122.20	-71.24	Average
5811.950	76.39	32.10	7.38	34.31	81.56	122.20	-40.64	Average
5811.900	76.40	32.10	7.38	34.31	81.57	122.20	-40.63	Average
5850.000	46.00	32.16	7.46	34.33	51.29	122.20	-70.91	Average
5855.000	45.34	32.17	7.47	34.33	50.65	110.80	-60.15	Average
5875.000	39.46	32.20	7.52	34.34	44.84	105.20	-60.36	Average
5925.000	36.10	32.28	7.63	34.36	41.65	68.20	-26.55	Average
5725.000	60.15	31.96	7.80	34.26	65.65	122.20	-56.55	Peak
5783.600	89.16	32.05	7.45	34.29	94.37	122.20	-27.83	Peak
5783.575	89.07	32.05	7.45	34.29	94.28	122.20	-27.92	Peak
5850.000	60.15	32.16	7.46	34.33	65.44	122.20	-56.76	Peak
5855.000	59.63	32.17	7.47	34.33	64.94	110.80	-45.86	Peak
5875.000	56.36	32.20	7.52	34.34	61.74	105.20	-43.46	Peak
5925.000	49.64	32.28	7.63	34.36	55.19	68.20	-13.01	Peak



802.11ax (80MHz RU996)

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

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
5725.000	51.21	31.96	7.80	34.26	56.71	122.20	-65.49	Average
5785.175	81.91	32.06	7.44	34.29	87.12	122.20	-35.08	Average
5784.950	81.88	32.06	7.44	34.29	87.09	122.20	-35.11	Average
5850.000	50.20	32.16	7.46	34.33	55.49	122.20	-66.71	Average
5855.000	48.85	32.17	7.47	34.33	54.16	110.80	-56.64	Average
5875.000	43.35	32.20	7.52	34.34	48.73	105.20	-56.47	Average
5925.000	39.47	32.28	7.63	34.36	45.02	68.20	-23.18	Average
5627.225	58.09	31.80	8.38	34.21	64.06	68.20	-4.14	Peak
5725.000	65.74	31.96	7.80	34.26	71.24	122.20	-50.96	Peak
5783.375	94.28	32.05	7.45	34.29	99.49	122.20	-22.71	Peak
5783.300	94.15	32.05	7.45	34.29	99.36	122.20	-22.84	Peak
5850.000	64.25	32.16	7.46	34.33	69.54	122.20	-52.66	Peak
5855.000	61.91	32.17	7.47	34.33	67.22	110.80	-43.58	Peak
5875.000	60.64	32.20	7.52	34.34	66.02	105.20	-39.18	Peak
5925.000	55.31	32.28	7.63	34.36	60.86	68.20	-7.34	Peak
5949.125	56.82	32.32	7.69	34.37	62.46	68.20	-5.74	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.

3.2 OUT OF BAND EMISSION MEASUREMENT

3.2.1 LIMITS OF OUT OF BAND EMISSION MEASUREMENT

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

NOTE:

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

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

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

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

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

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

3.2.2 TEST INSTRUMENTS

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

NOTE:

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

3.2.3 TEST PROCEDURES

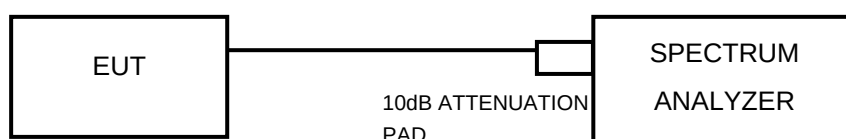
- a. Check the calibration of the measurement instrument using either an internal calibrator or a known signal from an external generator.
- b. The resolution bandwidth is set to 1MHzThe Video bandwidth is set to ≥ 1 MHz, report the peak value out of operating band.
- c. Repeat above procedures until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

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

3.2.4 DEVIATION FROM TEST STANDARD

No deviation.

3.2.5 TEST SETUP



3.2.6 EUT OPERATING CONDITION

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

3.2.7 TEST RESULTS

Please Refer to Appendix of this test report.

3.3 CONDUCTED EMISSION MEASUREMENT

3.3.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (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.

3.3.2 TEST INSTRUMENTS

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

NOTE:

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

3.3.3 TEST PROCEDURES

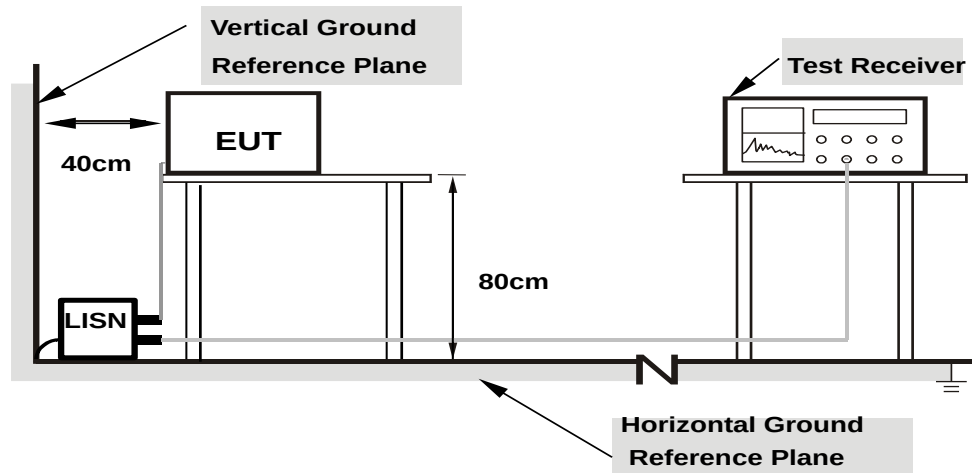
- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling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

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

3.3.4 DEVIATION FROM TEST STANDARD

No deviation.

3.3.5 TEST SETUP



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

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

3.3.6 EUT OPERATING CONDITIONS

Same as 3.1.6.

3.3.7 TEST RESULTS

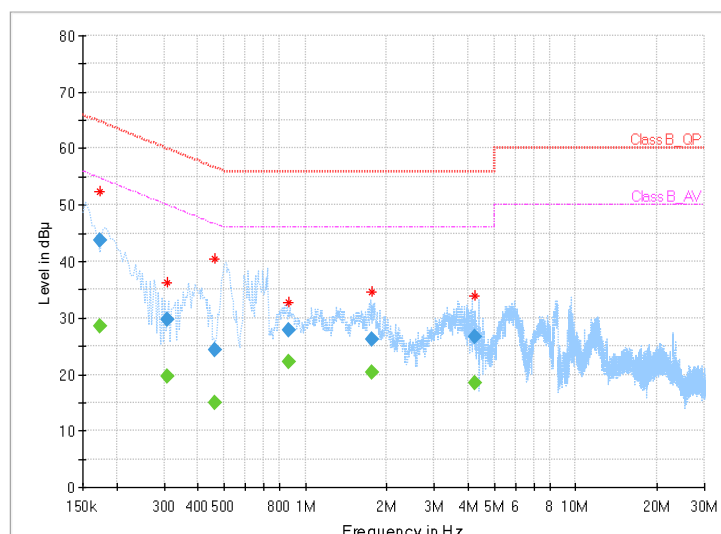
CONDUCTED WORST-CASE DATA:

Frequency Range	150KHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120Vac, 60Hz	Environmental Conditions	24deg. C, 55%RH
Tested By	Carl Xie		

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.174000	---	28.45	54.77	26.32	L1	ON	9.7
0.174000	43.78	---	64.77	20.99	L1	ON	9.7
0.308000	---	19.65	50.02	30.37	L1	ON	9.7
0.308000	29.63	---	60.02	30.39	L1	ON	9.7
0.464000	---	14.97	46.62	31.65	L1	ON	9.7
0.464000	24.35	---	56.62	32.27	L1	ON	9.7
0.868000	---	22.19	46.00	23.81	L1	ON	9.7
0.868000	27.86	---	56.00	28.14	L1	ON	9.7
1.764000	---	20.27	46.00	25.73	L1	ON	9.7
1.764000	26.18	---	56.00	29.82	L1	ON	9.7
4.220000	---	18.48	46.00	27.52	L1	ON	9.7
4.220000	26.68	---	56.00	29.32	L1	ON	9.7

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

Full Spectrum

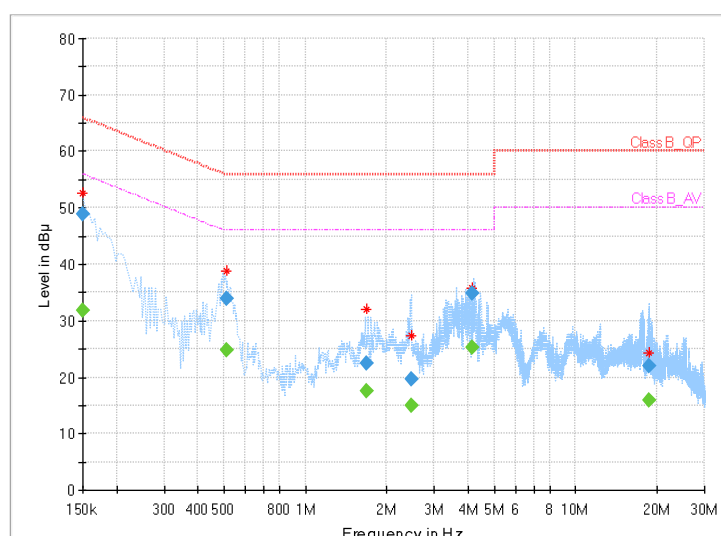


Frequency Range	150KHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120Vac, 60Hz	Environmental Conditions	24deg. C, 55%RH
Tested By	Carl Xie		

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	31.76	56.00	24.24	N	ON	9.7
0.150000	48.85	---	66.00	17.15	N	ON	9.7
0.512000	---	24.77	46.00	21.23	N	ON	9.7
0.512000	33.92	---	56.00	22.08	N	ON	9.7
1.684000	---	17.58	46.00	28.42	N	ON	9.8
1.684000	22.48	---	56.00	33.52	N	ON	9.8
2.460000	---	15.04	46.00	30.96	N	ON	9.8
2.460000	19.54	---	56.00	36.46	N	ON	9.8
4.148000	---	25.17	46.00	20.83	N	ON	9.8
4.148000	34.75	---	56.00	21.25	N	ON	9.8
18.680000	---	15.91	50.00	34.09	N	ON	9.9
18.680000	21.94	---	60.00	38.06	N	ON	9.9

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

Full Spectrum



3.4 MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

3.4.1 LIMITS OF MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

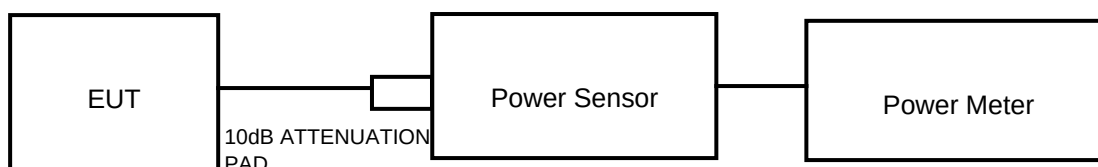
Operation Band	EUT Category		LIMIT
U-NII-1		Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p $\leq$ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
		Fixed point-to-point Access Point	1 Watt (30 dBm)
	B	Indoor Access Point	1 Watt (30 dBm)
	√	Client devices	250mW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

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

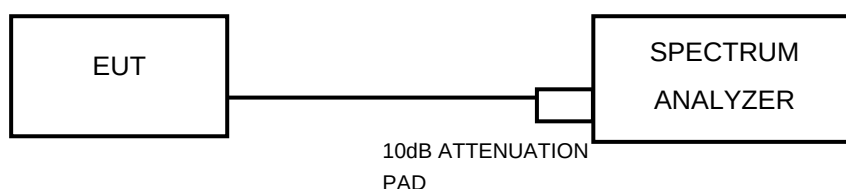
3.4.2 TEST SETUP

FOR POWER OUTPUT MEASUREMENT

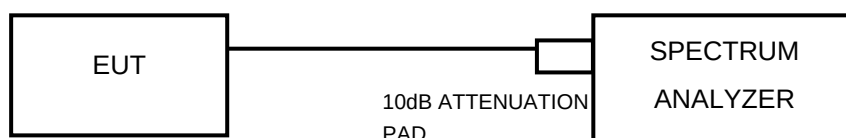
802.11a, 802.11n/ac/ax (20MHz), 802.11 n/ac/ax (40MHz) TEST CONFIGURATION



11ac TEST CONFIGURATION



FOR 26dB BANDWIDTH



3.4.3 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Power Meter	ANRITSU	ML2495A	1506002	Feb. 22,21	Feb. 21,22
EXA Signal Analyzer	KEYSIGHT	N9010A-526	MY54510322	Feb. 25,21	Feb. 24,22
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	Jun. 03,21	Jun. 02,22
Power Sensor	ANRITSU	MA2411B	1339352	May. 07,21	May. 08,22

NOTE:

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

3.4.4 TEST PROCEDURE

FOR POWER MEASUREMENT

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

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

For 802.11ac/ax (80MHz)

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

FOR 99 PERCENT OCCUPIED BANDWIDTH

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

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

FOR 26dB BANDWIDTH

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

FOR 6dB BANDWIDTH

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



Test Report No.: W7L-P21100002RF09-1

3.4.5 DEVIATION FROM TEST STANDARD

No deviation.

3.4.6 EUT OPERATING CONDITIONS

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



Test Report No.: W7L-P21100002RF09-1

3.4.7 TEST RESULTS

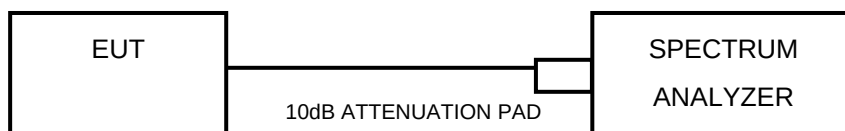
Please Refer to Appendix of this test report.

3.5 MAXIMUM POWER SPECTRAL DENSITY MEASUREMENT

3.5.1 LIMITS OF MAXIMUM POWER SPECTRAL DENSITY MEASUREMENT

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

3.5.2 TEST SETUP



3.5.3 TEST INSTRUMENTS

Refer to section 3.3.3 to get information of above instrument.

3.5.4 TEST PROCEDURES

Using method SA-2

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

3.5.5 DEVIATION FROM TEST STANDARD

No deviation.

3.5.6 EUT OPERATING CONDITIONS

Same as 3.1.6.



Test Report No.: W7L-P21100002RF09-1

3.5.7 TEST RESULTS

Please Refer to Appendix of this test report.



Test Report No.: W7L-P21100002RF09-1

4 PHOTOGRAPHS OF THE TEST CONFIGURATION

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



Test Report No.: W7L-P21100002RF09-1

5 APPENDIX

Appendix A1: Emission Bandwidth

Test Result

TestM ode	Anten na	Chan nel	RuSize	RuInd ex	26db BW [MHz]	FL[MH z]	FH[MH z]	Limit [MHz]	Verdi ct
11AX2 0SISO	Ant1	5180	26Tone	RU0	20.160	5169.2 40	5189.4 00	---	PAS S
				RU4	19.160	5170.0 40	5189.2 00	---	PAS S
				RU8	20.560	5170.1 60	5190.7 20	---	PAS S
			242Tone	RU61	21.480	5169.4 00	5190.8 80	---	PAS S
	Ant2	5180	26Tone	RU0	20.080	5169.3 20	5189.4 00	---	PAS S
				RU4	19.480	5169.9 60	5189.4 40	---	PAS S
				RU8	20.760	5169.9 20	5190.6 80	---	PAS S
			242Tone	RU61	21.960	5169.0 40	5191.0 00	---	PAS S
	Ant1	5200	26Tone	RU0	19.960	5189.4 00	5209.3 60	---	PAS S
				RU4	19.560	5189.8 80	5209.4 40	---	PAS S
				RU8	20.760	5190.0 40	5210.8 00	---	PAS S
			242Tone	RU61	21.560	5189.2 40	5210.8 00	---	PAS S
	Ant2	5200	26Tone	RU0	20.040	5189.4 00	5209.4 40	---	PAS S
				RU4	18.640	5190.6 80	5209.3 20	---	PAS S
				RU8	20.640	5190.1 20	5210.7 60	---	PAS S
			242Tone	RU61	21.720	5189.1 20	5210.8 40	---	PAS S
	Ant1	5240	26Tone	RU0	20.160	5229.2 40	5249.4 00	---	PAS S
				RU4	19.560	5229.8 80	5249.4 40	---	PAS S

				RU8	20.480	5230.2 00	5250.6 80	---	PAS S
			242Tone	RU61	21.680	5229.1 60	5250.8 40	---	PAS S
	Ant2	5240	26Tone	RU0	19.960	5229.3 20	5249.2 80	---	PAS S
				RU4	19.000	5230.2 40	5249.2 40	---	PAS S
				RU8	20.760	5230.0 40	5250.8 00	---	PAS S
			242Tone	RU61	21.960	5229.1 20	5251.0 80	---	PAS S
	Ant1	5260	26Tone	RU0	20.160	5249.2 40	5269.4 00	---	PAS S
				RU4	19.400	5249.9 60	5269.3 60	---	PAS S
				RU8	20.160	5250.4 00	5270.5 60	---	PAS S
			242Tone	RU61	21.480	5249.2 80	5270.7 60	---	PAS S
	Ant2	5260	26Tone	RU0	19.480	5249.4 00	5268.8 80	---	PAS S
				RU4	19.280	5250.1 60	5269.4 40	---	PAS S
				RU8	20.800	5249.9 20	5270.7 20	---	PAS S
			242Tone	RU61	21.440	5249.4 00	5270.8 40	---	PAS S
	Ant1	5300	26Tone	RU0	20.280	5289.2 00	5309.4 80	---	PAS S
				RU4	19.280	5290.0 40	5309.3 20	---	PAS S
				RU8	20.720	5290.0 00	5310.7 20	---	PAS S
			242Tone	RU61	21.440	5289.3 20	5310.7 60	---	PAS S
	Ant2	5300	26Tone	RU0	20.160	5289.1 60	5309.3 20	---	PAS S
				RU4	19.040	5289.9 60	5309.0 00	---	PAS S
				RU8	20.600	5290.1 20	5310.7 20	---	PAS S
			242Tone	RU61	21.480	5289.2 80	5310.7 60	---	PAS S

	Ant1	5320	26Tone	RU0	19.920	5309.4 00	5329.3 20	---	PAS S
				RU4	19.320	5310.0 40	5329.3 60	---	PAS S
				RU8	20.560	5310.0 80	5330.6 40	---	PAS S
			242Tone	RU61	21.880	5309.1 60	5331.0 40	---	PAS S
	Ant2	5320	26Tone	RU0	19.960	5309.2 80	5329.2 40	---	PAS S
				RU4	19.560	5309.9 20	5329.4 80	---	PAS S
				RU8	20.600	5310.2 40	5330.8 40	---	PAS S
			242Tone	RU61	22.600	5308.8 80	5331.4 80	---	PAS S
	Ant1	5500	26Tone	RU0	19.960	5489.2 80	5509.2 40	---	PAS S
				RU4	19.480	5489.9 20	5509.4 00	---	PAS S
				RU8	20.720	5490.0 00	5510.7 20	---	PAS S
			242Tone	RU61	21.560	5489.2 80	5510.8 40	---	PAS S
	Ant2	5500	26Tone	RU0	19.960	5489.2 40	5509.2 00	---	PAS S
				RU4	19.360	5490.0 40	5509.4 00	---	PAS S
				RU8	20.680	5490.0 40	5510.7 20	---	PAS S
			242Tone	RU61	21.640	5489.3 20	5510.9 60	---	PAS S
	Ant1	5580	26Tone	RU0	20.240	5569.1 60	5589.4 00	---	PAS S
				RU4	19.280	5570.0 40	5589.3 20	---	PAS S
				RU8	20.680	5570.0 00	5590.6 80	---	PAS S
			242Tone	RU61	21.720	5569.1 20	5590.8 40	---	PAS S
	Ant2	5580	26Tone	RU0	19.920	5569.4 00	5589.3 20	---	PAS S
				RU4	19.280	5569.8 40	5589.1 20	---	PAS S

				RU8	20.520	5570.1 60	5590.6 80	---	PAS S
			242Tone	RU61	21.840	5569.0 40	5590.8 80	---	PAS S
	Ant1	5700	26Tone	RU0	20.160	5689.2 40	5709.4 00	---	PAS S
				RU4	19.480	5689.9 20	5709.4 00	---	PAS S
				RU8	20.840	5689.9 20	5710.7 60	---	PAS S
			242Tone	RU61	21.640	5689.1 20	5710.7 60	---	PAS S
	Ant2	5700	26Tone	RU0	20.080	5689.1 60	5709.2 40	---	PAS S
				RU4	19.360	5690.0 40	5709.4 00	---	PAS S
				RU8	21.040	5690.0 00	5711.0 40	---	PAS S
			242Tone	RU61	21.800	5689.0 40	5710.8 40	---	PAS S
	Ant1	5720	26Tone	RU0	20.000	5709.3 60	5729.3 60	---	PAS S
				RU4	19.120	5710.0 00	5729.1 20	---	PAS S
				RU8	20.560	5710.0 40	5730.6 00	---	PAS S
			242Tone	RU61	24.320	5709.3 20	5733.6 40	---	PAS S
	Ant2	5720	26Tone	RU0	19.600	5709.4 40	5729.0 40	---	PAS S
				RU4	19.400	5709.8 80	5729.2 80	---	PAS S
				RU8	20.640	5710.0 40	5730.6 80	---	PAS S
			242Tone	RU61	21.480	5709.2 00	5730.6 80	---	PAS S
	Ant1	5720 _UNII -2C	26Tone	RU0	15.640	5709.3 60	5725	---	PAS S
				RU4	15.000	5710.0 00	5725	---	PAS S
				RU8	14.960	5710.0 40	5725	---	PAS S
			242Tone	RU61	15.680	5709.3 20	5725	---	PAS S

	Ant2	5720 _UNII -2C	26Tone	RU0	15.560	5709.4 40	5725	---	PAS S
				RU4	15.120	5709.8 80	5725	---	PAS S
				RU8	14.960	5710.0 40	5725	---	PAS S
			242Tone	RU61	15.800	5709.2 00	5725	---	PAS S
	Ant1	5720 _UNII -3	26Tone	RU0	4.360	5725	5729.3 60	---	PAS S
				RU4	4.120	5725	5729.1 20	---	PAS S
				RU8	5.600	5725	5730.6 00	---	PAS S
			242Tone	RU61	8.640	5725	5733.6 40	---	PAS S
	Ant2	5720 _UNII -3	26Tone	RU0	4.040	5725	5729.0 40	---	PAS S
				RU4	4.280	5725	5729.2 80	---	PAS S
				RU8	5.680	5725	5730.6 80	---	PAS S
			242Tone	RU61	5.680	5725	5730.6 80	---	PAS S
	Ant1	5745	26Tone	RU0	20.000	5734.4 00	5754.4 00	---	PAS S
				RU4	18.560	5735.5 60	5754.1 20	---	PAS S
				RU8	20.600	5735.0 80	5755.6 80	---	PAS S
			242Tone	RU61	21.640	5734.0 80	5755.7 20	---	PAS S
	Ant2	5745	26Tone	RU0	19.600	5734.4 00	5754.0 00	---	PAS S
				RU4	19.160	5735.2 00	5754.3 60	---	PAS S
				RU8	20.360	5735.2 00	5755.5 60	---	PAS S
			242Tone	RU61	22.120	5734.2 40	5756.3 60	---	PAS S
	Ant1	5785	26Tone	RU0	20.000	5774.2 40	5794.2 40	---	PAS S
				RU4	19.120	5775.1 60	5794.2 80	---	PAS S

				RU8	20.080	5775.5 60	5795.6 40	---	PAS S
			242Tone	RU61	21.720	5774.2 00	5795.9 20	---	PAS S
	Ant2	5785	26Tone	RU0	19.960	5774.4 40	5794.4 00	---	PAS S
				RU4	19.360	5775.0 40	5794.4 00	---	PAS S
				RU8	20.560	5775.0 00	5795.5 60	---	PAS S
			242Tone	RU61	22.800	5774.0 00	5796.8 00	---	PAS S
	Ant1	5825	26Tone	RU0	19.840	5814.4 00	5834.2 40	---	PAS S
				RU4	18.920	5815.1 20	5834.0 40	---	PAS S
				RU8	20.480	5815.1 20	5835.6 00	---	PAS S
			242Tone	RU61	21.560	5814.2 40	5835.8 00	---	PAS S
	Ant2	5825	26Tone	RU0	19.960	5814.4 00	5834.3 60	---	PAS S
				RU4	19.440	5814.9 60	5834.4 00	---	PAS S
				RU8	20.520	5815.2 40	5835.7 60	---	PAS S
			242Tone	RU61	27.080	5814.1 60	5841.2 40	---	PAS S
11AX4 0SISO	Ant1	5190	26Tone	RU0	20.320	5170.1 60	5190.4 80	---	PAS S
				RU8	23.200	5170.6 40	5193.8 40	---	PAS S
				RU17	20.320	5189.5 20	5209.8 40	---	PAS S
			484Tone	RU65	40.000	5170.0 00	5210.0 00	---	PAS S
	Ant2	5190	26Tone	RU0	20.240	5170.0 80	5190.3 20	---	PAS S
				RU8	22.080	5170.8 80	5192.9 60	---	PAS S
				RU17	20.320	5189.6 80	5210.0 00	---	PAS S
			484Tone	RU65	40.160	5169.9 20	5210.0 80	---	PAS S

	Ant1	5230	26Tone	RU0	20.000	5210.0 80	5230.0 80	---	PAS S
				RU8	21.760	5210.8 80	5232.6 40	---	PAS S
				RU17	20.320	5229.6 00	5249.9 20	---	PAS S
			484Tone	RU65	40.000	5210.1 60	5250.1 60	---	PAS S
	Ant2	5230	26Tone	RU0	20.560	5210.0 80	5230.6 40	---	PAS S
				RU8	22.560	5210.8 80	5233.4 40	---	PAS S
				RU17	20.160	5229.8 40	5250.0 00	---	PAS S
			484Tone	RU65	40.080	5210.0 80	5250.1 60	---	PAS S
	Ant1	5270	26Tone	RU0	20.240	5250.0 00	5270.2 40	---	PAS S
				RU8	23.360	5250.7 20	5274.0 80	---	PAS S
				RU17	20.080	5269.8 40	5289.9 20	---	PAS S
			484Tone	RU65	40.480	5249.6 80	5290.1 60	---	PAS S
	Ant2	5270	26Tone	RU0	20.000	5250.2 40	5270.2 40	---	PAS S
				RU8	23.600	5250.7 20	5274.3 20	---	PAS S
				RU17	20.480	5269.4 40	5289.9 20	---	PAS S
			484Tone	RU65	39.920	5250.0 80	5290.0 00	---	PAS S
	Ant1	5310	26Tone	RU0	20.000	5290.1 60	5310.1 60	---	PAS S
				RU8	22.240	5290.8 80	5313.1 20	---	PAS S
				RU17	20.240	5309.6 80	5329.9 20	---	PAS S
			484Tone	RU65	40.400	5289.8 40	5330.2 40	---	PAS S
	Ant2	5310	26Tone	RU0	20.880	5290.0 00	5310.8 80	---	PAS S
				RU8	21.840	5290.8 00	5312.6 40	---	PAS S

				RU17	20.640	5309.5 20	5330.1 60	---	PAS S
			484Tone	RU65	40.000	5290.0 80	5330.0 80	---	PAS S
	Ant1	5510	26Tone	RU0	20.560	5490.0 80	5510.6 40	---	PAS S
				RU8	22.720	5490.8 00	5513.5 20	---	PAS S
				RU17	20.160	5509.6 80	5529.8 40	---	PAS S
			484Tone	RU65	39.920	5489.9 20	5529.8 40	---	PAS S
	Ant2	5510	26Tone	RU0	20.560	5490.0 00	5510.5 60	---	PAS S
				RU8	23.440	5490.8 00	5514.2 40	---	PAS S
				RU17	20.800	5509.2 00	5530.0 00	---	PAS S
			484Tone	RU65	40.320	5489.8 40	5530.1 60	---	PAS S
	Ant1	5550	26Tone	RU0	21.120	5530.0 00	5551.1 20	---	PAS S
				RU8	24.400	5530.6 40	5555.0 40	---	PAS S
				RU17	20.560	5549.3 60	5569.9 20	---	PAS S
			484Tone	RU65	40.240	5529.9 20	5570.1 60	---	PAS S
	Ant2	5550	26Tone	RU0	21.200	5530.0 80	5551.2 80	---	PAS S
				RU8	22.960	5530.7 20	5553.6 80	---	PAS S
				RU17	20.640	5549.4 40	5570.0 80	---	PAS S
			484Tone	RU65	40.080	5530.0 00	5570.0 80	---	PAS S
	Ant1	5670	26Tone	RU0	20.080	5650.1 60	5670.2 40	---	PAS S
				RU8	23.040	5650.7 20	5673.7 60	---	PAS S
				RU17	19.280	5670.6 40	5689.9 20	---	PAS S
			484Tone	RU65	40.160	5650.0 80	5690.2 40	---	PAS S

	Ant2	5670	26Tone	RU0	20.320	5650.0 80	5670.4 00	---	PAS S
				RU8	23.360	5650.8 00	5674.1 60	---	PAS S
				RU17	20.240	5669.7 60	5690.0 00	---	PAS S
			484Tone	RU65	40.000	5650.0 80	5690.0 80	---	PAS S
	Ant1	5710	26Tone	RU0	20.880	5690.0 80	5710.9 60	---	PAS S
				RU8	21.920	5690.6 40	5712.5 60	---	PAS S
				RU17	20.320	5709.5 20	5729.8 40	---	PAS S
			484Tone	RU65	40.480	5689.6 80	5730.1 60	---	PAS S
	Ant2	5710	26Tone	RU0	20.000	5690.2 40	5710.2 40	---	PAS S
				RU8	23.040	5690.8 00	5713.8 40	---	PAS S
				RU17	20.000	5710.0 00	5730.0 00	---	PAS S
			484Tone	RU65	40.240	5689.8 40	5730.0 80	---	PAS S
	Ant1	5710 _UNII -2C	26Tone	RU0	34.920	5690.0 80	5725	---	PAS S
				RU8	34.360	5690.6 40	5725	---	PAS S
				RU17	15.480	5709.5 20	5725	---	PAS S
			484Tone	RU65	35.320	5689.6 80	5725	---	PAS S
	Ant2	5710 _UNII -2C	26Tone	RU0	34.760	5690.2 40	5725	---	PAS S
				RU8	34.200	5690.8 00	5725	---	PAS S
				RU17	15.000	5710.0 00	5725	---	PAS S
			484Tone	RU65	35.160	5689.8 40	5725	---	PAS S
	Ant1	5710 _UNII -3	26Tone	RU0	14.040	5725	5710.9 60	---	PAS S
				RU8	12.440	5725	5712.5 60	---	PAS S

				RU17	4.840	5725	5729.8 40	---	PAS S
			484Tone	RU65	5.160	5725	5730.1 60	---	PAS S
	Ant2	5710 _UNII -3	26Tone	RU0	14.760	5725	5710.2 40	---	PAS S
				RU8	11.160	5725	5713.8 40	---	PAS S
				RU17	5.000	5725	5730.0 00	---	PAS S
			484Tone	RU65	5.080	5725	5730.0 80	---	PAS S
	Ant1	5755	26Tone	RU0	19.920	5735.2 40	5755.1 60	---	PAS S
				RU8	22.800	5735.6 40	5758.4 40	---	PAS S
				RU17	20.480	5754.5 20	5775.0 00	---	PAS S
			484Tone	RU65	40.160	5734.9 20	5775.0 80	---	PAS S
	Ant2	5755	26Tone	RU0	19.600	5735.0 00	5754.6 00	---	PAS S
				RU8	24.000	5735.7 20	5759.7 20	---	PAS S
				RU17	20.000	5754.9 20	5774.9 20	---	PAS S
			484Tone	RU65	40.080	5735.0 80	5775.1 60	---	PAS S
	Ant1	5795	26Tone	RU0	19.920	5775.0 80	5795.0 00	---	PAS S
				RU8	23.360	5775.8 00	5799.1 60	---	PAS S
				RU17	20.560	5794.4 40	5815.0 00	---	PAS S
			484Tone	RU65	40.160	5775.0 00	5815.1 60	---	PAS S
	Ant2	5795	26Tone	RU0	20.400	5775.0 80	5795.4 80	---	PAS S
				RU8	23.600	5775.9 60	5799.5 60	---	PAS S
				RU17	20.960	5794.0 40	5815.0 00	---	PAS S
			484Tone	RU65	40.080	5775.0 00	5815.0 80	---	PAS S

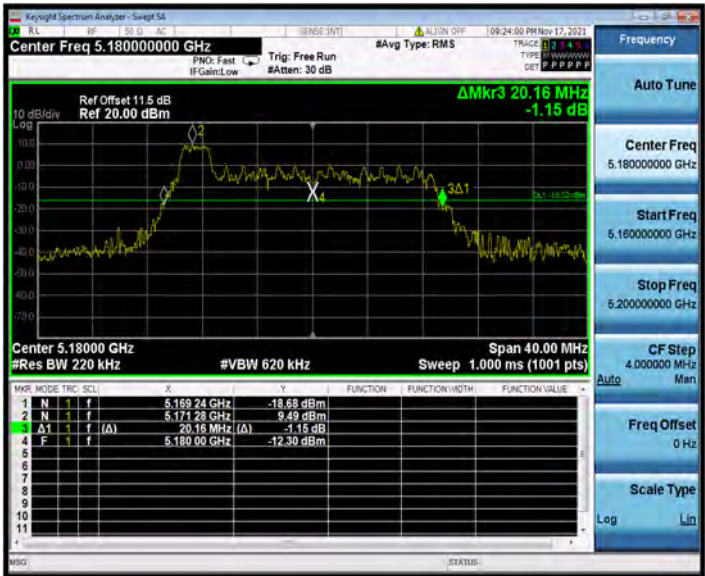
11AX8 0SISO	Ant1	5210	26Tone	RU0	21.120	5169.5 20	5190.6 40	---	PAS S
				RU18	41.920	5188.5 60	5230.4 80	---	PAS S
				RU36	22.880	5227.9 20	5250.8 00	---	PAS S
			996Tone	RU67	81.600	5169.5 20	5251.1 20	---	PAS S
	Ant2	5210	26Tone	RU0	20.960	5169.3 60	5190.3 20	---	PAS S
				RU18	41.920	5188.2 40	5230.1 60	---	PAS S
				RU36	22.880	5227.9 20	5250.8 00	---	PAS S
			996Tone	RU67	81.600	5169.2 00	5250.8 00	---	PAS S
	Ant1	5290	26Tone	RU0	20.640	5249.5 20	5270.1 60	---	PAS S
				RU18	42.560	5267.6 00	5310.1 60	---	PAS S
				RU36	22.240	5308.2 40	5330.4 80	---	PAS S
			996Tone	RU67	81.600	5249.3 60	5330.9 60	---	PAS S
	Ant2	5290	26Tone	RU0	19.680	5249.3 60	5269.0 40	---	PAS S
				RU18	42.720	5267.9 20	5310.6 40	---	PAS S
				RU36	23.360	5307.2 80	5330.6 40	---	PAS S
			996Tone	RU67	81.120	5249.3 60	5330.4 80	---	PAS S
	Ant1	5530	26Tone	RU0	20.320	5489.3 60	5509.6 80	---	PAS S
				RU18	41.440	5507.9 20	5549.3 60	---	PAS S
				RU36	23.520	5547.2 80	5570.8 00	---	PAS S
			996Tone	RU67	81.440	5489.6 80	5571.1 20	---	PAS S
	Ant2	5530	26Tone	RU0	20.000	5489.5 20	5509.5 20	---	PAS S
				RU18	40.480	5509.3 60	5549.8 40	---	PAS S

				RU36	21.440	5549.0 40	5570.4 80	---	PAS S
			996Tone	RU67	81.760	5489.5 20	5571.2 80	---	PAS S
	Ant1	5610	26Tone	RU0	21.600	5569.2 00	5590.8 00	---	PAS S
				RU18	41.600	5587.7 60	5629.3 60	---	PAS S
				RU36	23.360	5627.6 00	5650.9 60	---	PAS S
			996Tone	RU67	81.440	5569.2 00	5650.6 40	---	PAS S
	Ant2	5610	26Tone	RU0	21.600	5569.2 00	5590.8 00	---	PAS S
				RU18	40.480	5589.0 40	5629.5 20	---	PAS S
				RU36	23.840	5626.8 00	5650.6 40	---	PAS S
			996Tone	RU67	81.120	5569.5 20	5650.6 40	---	PAS S
	Ant1	5690	26Tone	RU0	20.320	5649.5 20	5669.8 40	---	PAS S
				RU18	40.160	5669.6 80	5709.8 40	---	PAS S
				RU36	24.160	5706.6 40	5730.8 00	---	PAS S
			996Tone	RU67	81.280	5649.5 20	5730.8 00	---	PAS S
	Ant2	5690	26Tone	RU0	20.800	5649.5 20	5670.3 20	---	PAS S
				RU18	42.560	5668.0 80	5710.6 40	---	PAS S
				RU36	22.240	5708.4 00	5730.6 40	---	PAS S
			996Tone	RU67	81.280	5649.3 60	5730.6 40	---	PAS S
	Ant1	5690 _UNII -2C	26Tone	RU0	75.480	5649.5 20	5725	---	PAS S
				RU18	55.320	5669.6 80	5725	---	PAS S
				RU36	18.360	5706.6 40	5725	---	PAS S
			996Tone	RU67	75.480	5649.5 20	5725	---	PAS S

	Ant2	5690 _UNII -2C	26Tone	RU0	75.480	5649.5 20	5725	---	PAS S
				RU18	56.920	5668.0 80	5725	---	PAS S
				RU36	16.60	5708.4 00	5725	---	PAS S
			996Tone	RU67	75.640	5649.3 60	5725	---	PAS S
	Ant1	5690 _UNII -3	26Tone	RU0	-55.160	5725	5669.8 40	---	PAS S
				RU18	-15.160	5725	5709.8 40	---	PAS S
				RU36	5.800	5725	5730.8 00	---	PAS S
			996Tone	RU67	5.800	5725	5730.8 00	---	PAS S
	Ant2	5690 _UNII -3	26Tone	RU0	54.680	5725	5670.3 20	---	PAS S
				RU18	14.360	5725	5710.6 40	---	PAS S
				RU36	5.640	5725	5730.6 40	---	PAS S
			996Tone	RU67	5.640	5725	5730.6 40	---	PAS S
	Ant1	5775	26Tone	RU0	20.320	5734.6 80	5755.0 00	---	PAS S
				RU18	38.720	5755.4 80	5794.2 00	---	PAS S
				RU36	23.040	5792.6 00	5815.6 40	---	PAS S
			996Tone	RU67	80.800	5734.6 80	5815.4 80	---	PAS S
	Ant2	5775	26Tone	RU0	20.480	5734.2 00	5754.6 80	---	PAS S
				RU18	42.560	5752.7 60	5795.3 20	---	PAS S
				RU36	22.560	5792.9 20	5815.4 80	---	PAS S
			996Tone	RU67	81.600	5734.0 40	5815.6 40	---	PAS S

Test Garphs

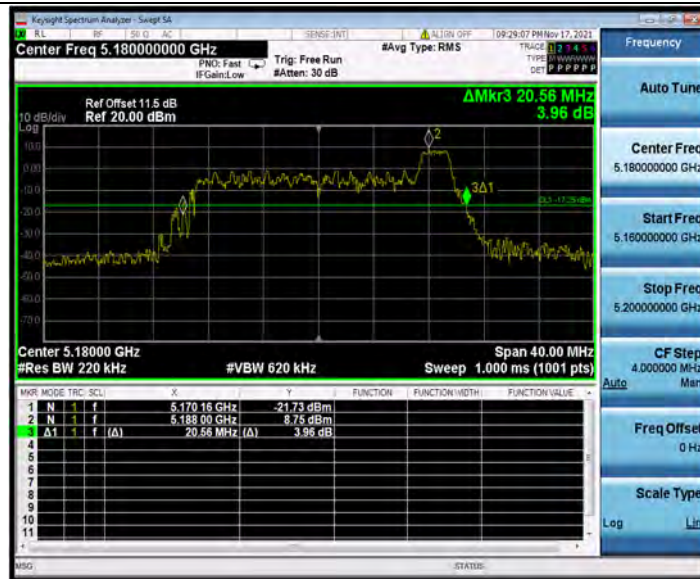
11AX20SISO_Ant1_5180_26Tone_RU0



11AX20SISO_Ant1_5180_26Tone_RU4



11AX20SISO_Ant1_5180_26Tone_RU6



11AX20SISO_Ant1_5180_242Tone_RU61



11AX20SISO_Ant2_5180_26Tone_RU0



11AX20SISO_Ant2_5180_26Tone_RU4



11AX20SISO_Ant2_5180_26Tone_RU8



11AX20SISO_Ant2_5180_242Tone_RU61



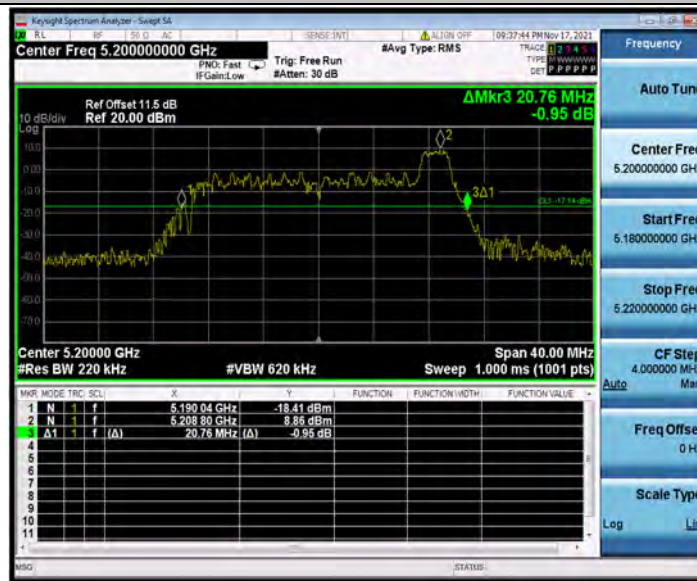
11AX20SISO_Ant1_5200_26Tone_RU0



11AX20SISO_Ant1_5200_26Tone_RU4



11AX20SISO_Ant1_5200_26Tone_RU8



11AX20SISO_Ant1_5200_242Tone_RU61



11AX20SISO_Ant2_5200_26Tone_RU0



11AX20SISO_Ant2_5200_26Tone_RU4



11AX20SISO_Ant2_5200_26Tone_RU8



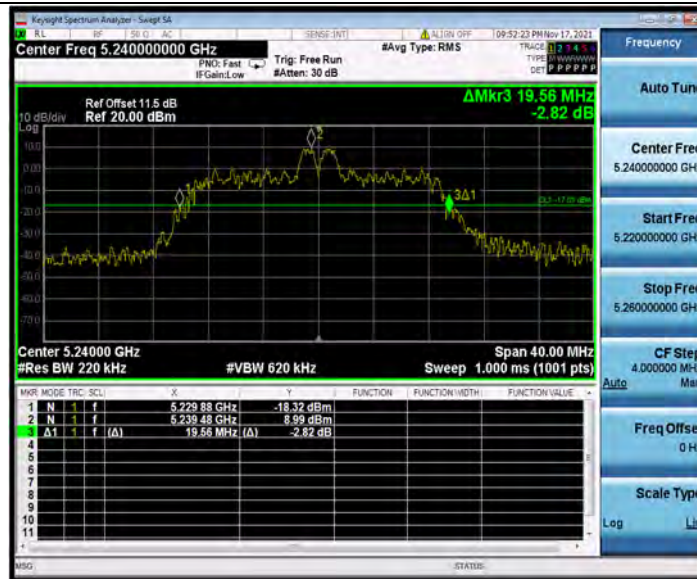
11AX20SISO_Ant2_5200_242Tone_RU61



11AX20SISO_Ant1_5240_26Tone_RU0



11AX20SISO_Ant1_5240_26Tone_RU4



11AX20SISO_Ant1_5240_26Tone_RU8



11AX20SISO_Ant1_5240_242Tone_RU61



11AX20SISO_Ant2_5240_26Tone_RU0



11AX20SISO_Ant2_5240_26Tone_RU4



11AX20SISO_Ant2_5240_26Tone_RU8



11AX20SISO_Ant2_5240_242Tone_RU61



11AX20SISO_Ant1_5260_26Tone_RU0



11AX20SISO_Ant1_5260_26Tone_RU4



11AX20SISO_Ant1_5260_26Tone_RU8



11AX20SISO_Ant1_5260_242Tone_RU61