VARIANT FCC TEST REPORT

(Part 15, Subpart E)

Applicant:	PAX Technology Limited
Address:	Room 2416, 24/F., Sun Hung Kai Centre, 30 Harbour Hong Kong China

Manufacturer or Supplier:	PAX Computer Technology (Shenzhen) Co., Ltd.
Address:	401 and 402, Building 3, Shenzhen Software Park, Nanshan District, Shenzhen City, Guangdong Province, P.R.C.
Product:	Smart Desktop Terminal
Brand Name:	PAX
Model Name:	L1400
FCC ID:	V5PL1400
Date of tests:	Feb. 16, 2022 ~ Jun. 17, 2022
The tests have been carried out according to the requirements of the following standard:	
☒ **FCC Part 15, Subpart E, Section 15.407**	
CONCLUSION: The submitted sample was found to COMPLY with the test requirement	

Prepared by Simon Wang Engineer / Mobile Department	Approved by Luke Lu Manager / Mobile Department
Simon Date: Jun. 17, 2022	Luke Lu Date: Jun. 17, 2022

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
W7L-P22010035RF03	Original release	Mar. 08, 2022
W7L- P22050011RF03	Based on the original report W7L-P21120035RF03 add 6 pogopin contacts (USB signal), change antenna shape and position and modified the main board. In this report verify RSE worst case, other test data is copied from the original test report.	Jun. 17, 2022

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

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

1.1 MEASUREMENT UNCERTAINTY

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

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

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

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Smart Desktop Terminal
BRAND NAME	PAX
MODEL NAME	L1400
NOMINAL VOLTAGE	12Vdc (adapter or host equipment)
MODULATION	BPSK,QPSK,16QAM,64QAM,256QAM
TRANSFER RATE	802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 150Mbps 802.11ac: up to 433.33Mbps
OPERATING FREQUENCY	5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~ 5700MHz, 5745 ~ 5825MHz
NUMBER OF CHANNEL	5180 ~ 5240MHz: 4 for 802.11a, 802.11n, 802.11ac (20MHz) 2 for 802.11n, 802.11ac (40MHz) 1 for 802.11ac (80MHz) 5260 ~ 5320MHz: 4 for 802.11a, 802.11n, 802.11ac (20MHz) 2 for 802.11n, 802.11ac (40MHz) 1 for 802.11ac (80MHz) 5500 ~ 5700MHz: 11 for 802.11a, 802.11n, 802.11ac(20MHz) 5 for 802.11n, 802.11ac (40MHz) 2 for 802.11ac (80MHz) 5745 ~ 5825MHz: 5 for 802.11a, 802.11n, 802.11ac (20MHz) 2 for 802.11n, 802.11ac (40MHz) 1 for 802.11ac (80MHz)
AVERAGE POWER	35.56mW for 5180 ~ 5240MHz 34.51mW for 5260 ~ 5320MHz 35.08mW for 5500 ~ 5700MHz 38.28mW for 5745 ~ 5825MHz
ANTENNA TYPE	FPC Antenna
ANTENNA GAIN	3 dBi for 5180 ~ 5240MHz 3 dBi for 5260 ~ 5320MHz 3 dBi for 5500 ~ 5720MHz 3 dBi for 5745 ~ 5825MHz
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	N/A

NOTE:

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

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

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

3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
4. The EUT was declared as client equipment without radar detection function by the manufacturer。

List of Accessory:

ACCESSORIES	BRAND	MODEL	SPECIFICATION
AC Adapter	/	ADT-65NS-D00	I/P: 100-240Vac, 1.6A, O/P: 12Vdc, 5.0A,1.8 meter

2.2 DESCRIPTION OF TEST MODES

FOR 5180 ~ 5240MHz

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

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

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
38	5190 MHz	46	5230 MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
42	5210 MHz		

FOR 5250 ~ 5350MHz

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

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

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
54	5270 MHz	62	5310 MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
58	5290 MHz		

FOR 5470 ~ 5725MHz

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

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

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

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

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
106	5530 MHz		
122	5610 MHz		

FOR 5725 ~ 5850MHz

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

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

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
151	5755 MHz	159	5795 MHz

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
155	5775 MHz		

2.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

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

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

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

RADIATED EMISSION TEST (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	802.11a	5180-5240	36 to 48	36	OFDM	MCS0

RADIATED EMISSION TEST (ABOVE 1GHz):

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

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

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
A	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	6.0
A	802.11n (20MHz)		36 to 48	36, 40, 48	OFDM	MCS0
A	802.11n (40MHz)		38 to 46	38, 46	OFDM	MCS0
A	802.11ac (20MHz)		36 to 48	36, 40, 48	OFDM	MCS0
A	802.11ac (40MHz)		38 to 46	38, 46	OFDM	MCS0
A	802.11ac (80MHz)		42	42	OFDM	MCS0
A	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	6.0
A	802.11n (20MHz)		52 to 64	52, 60, 64	OFDM	MCS0
A	802.11n (40MHz)		54 to 62	54, 62	OFDM	MCS0
A	802.11ac (20MHz)		52 to 64	52, 60, 64	OFDM	MCS0
A	802.11ac (40MHz)		54 to 62	54, 62	OFDM	MCS0
A	802.11ac (80MHz)		58	58	OFDM	MCS0
A	802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	6.0
A	802.11n (20MHz)		100 to 140	100, 116, 140	OFDM	MCS0
A	802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	MCS0
A	802.11ac (20MHz)		100 to 140	100, 116, 140	OFDM	MCS0
A	802.11ac (40MHz)		102 to 134	102, 110, 134	OFDM	MCS0
A	802.11ac (80MHz)		106	106	OFDM	MCS0
A	802.11a	5745-5850	149 to 165	100, 116, 140	OFDM	6.0
A	802.11n (20MHz)		149 to 165	100, 116, 140	OFDM	MCS0
A	802.11ac (40MHz)		151 to 159	102, 110, 134	OFDM	MCS0
A	802.11ac (20MHz)		149 to 165	100, 116, 140	OFDM	MCS0
A	802.11n (40MHz)		151 to 159	102, 110, 134	OFDM	MCS0
A	802.11ac (80MHz)		155	106	OFDM	MCS0

POWER LINE CONDUCTED EMISSION TEST:

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

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
A	802.11a	5180-5240	36 to 48	36	OFDM	MCS0

BANDEDGE MEASUREMENT:

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

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

A	802.11ac (80MHz)		106	106	OFDM	MCS0
A	802.11a	5745-5850	149 to 165	100, 116, 140	OFDM	6.0
A	802.11n (20MHz)		149 to 165	100, 116, 140	OFDM	MCS0
A	802.11ac (40MHz)		151 to 159	102, 110, 134	OFDM	MCS0
A	802.11ac (20MHz)		149 to 165	100, 116, 140	OFDM	MCS0
A	802.11n (40MHz)		151 to 159	102, 110, 134	OFDM	MCS0
A	802.11ac (80MHz)		155	106	OFDM	MCS0

ANTENNA PORT CONDUCTED MEASUREMENT:

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

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
A	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	6.0
A	802.11n (20MHz)		36 to 48	36, 40, 48	OFDM	MCS0
A	802.11n (40MHz)		38 to 46	38, 46	OFDM	MCS0
A	802.11ac (20MHz)		36 to 48	36, 40, 48	OFDM	MCS0
A	802.11ac (40MHz)		38 to 46	38, 46	OFDM	MCS0
A	802.11ac (80MHz)		42	42	OFDM	MCS0
A	802.11a	5260-5320	52 to 64	56, 60, 64	OFDM	6.0
A	802.11n (20MHz)		52 to 64	56, 60, 64	OFDM	MCS0
A	802.11n (40MHz)		54 to 62	54, 62	OFDM	MCS0
A	802.11ac (20MHz)		52 to 64	56, 60, 64	OFDM	MCS0
A	802.11ac (40MHz)		54 to 62	54, 62	OFDM	MCS0
A	802.11ac (80MHz)		58	58	OFDM	MCS0
A	802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	6.0
A	802.11n (20MHz)		100 to 140	100, 116, 140	OFDM	MCS0
A	802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	MCS0

A	802.11ac (20MHz)		100 to 140	100, 116, 140	OFDM	MCS0
A	802.11ac (40MHz)		102 to 134	102, 110, 134	OFDM	MCS0
A	802.11ac (80MHz)		106	106	OFDM	MCS0
A	802.11a	5745-5850	149 to 165	100, 116, 140	OFDM	6.0
A	802.11n (20MHz)		149 to 165	100, 116, 140	OFDM	MCS0
A	802.11ac (40MHz)		151 to 159	102, 110, 134	OFDM	MCS0
A	802.11ac (20MHz)		149 to 165	100, 116, 140	OFDM	MCS0
A	802.11n (40MHz)		151 to 159	102, 110, 134	OFDM	MCS0
A	802.11ac (80MHz)		155	106	OFDM	MCS0

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE<1G	23deg. C, 70%RH	DC 12V	Star Le
RE≥1G	23deg. C, 70%RH	DC 12V	Star Le
PLC	25deg. C, 52%RH	DC 12V	Lily Zhao
APCM	25deg. C, 60%RH	DC 12V	Lily Zhao

2.3 DUTY CYCLE OF TEST SIGNAL

Please Refer to Appendix 1 Of this test report.

WORST-CASE DATA:

Measured Duty Cycle		
Mode		Duty Cycle [%]
		ANT1
5GHZ	11a	98.07
	11n20	97.93
	11n40	95.88
	11ac20	97.94
	11ac40	95.88
	11ac80	91.84

Note:

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

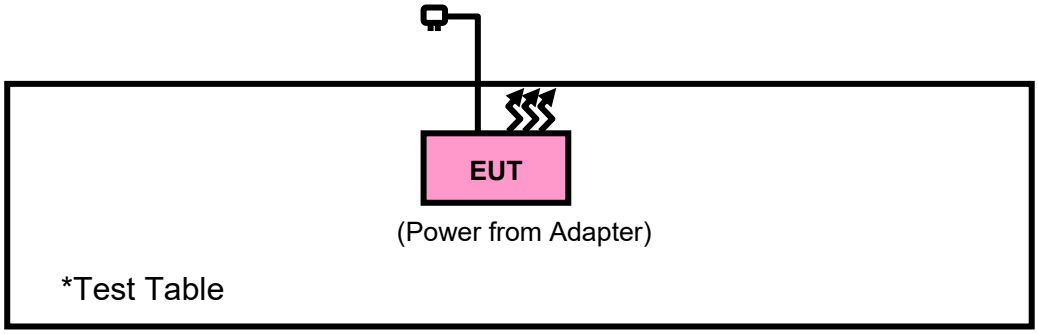
2.4 DESCRIPTION OF SUPPORT UNITS

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

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

<table>
<tr><td rowspan="2">RESTRICTED BANDS</td><td>APPLICABLE TO</td><td colspan="2">LIMIT</td></tr>
<tr><td rowspan="2">789033 D02 General UNII Test Procedures New Rules v02r01</td><td colspan="2">FIELD STRENGTH AT 3m (dBµV/m)</td></tr>
<tr><td>PK : 74</td><td>AV : 54</td></tr>
<tr><td rowspan="5">OUT OF THE RESTRICTED BANDS</td><td>APPLICABLE TO</td><td>EIRP LIMIT (dBm/MHz)</td><td>EQUIVALENT FIELD STRENGTH AT 3m (dBµV/m)</td></tr>
<tr><td>15.407(b)(1)</td><td rowspan="3">PK : -27</td><td rowspan="3">PK : 68.2</td></tr>
<tr><td>15.407(b)(2)</td></tr>
<tr><td>15.407(b)(3)</td></tr>
<tr><td>15.407(b)(4)</td><td colspan="2">See note 2 (FCC 16-24)</td></tr>
</table>

NOTE:

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

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

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

3.1.3 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn-CT0001143-1216	May. 19,20	May. 18,23
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Mar. 05,21	Mar. 04,22
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Mar. 04,22	Mar. 03,23
Horn Antenna	ETS-LINDGREN	3117	00168728	Apr. 02,21	Apr. 01,22
Horn Antenna	ETS-LINDGREN	3117	00168728	Apr. 01,22	Mar. 31,23
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
10dB Attenuator	JFW/USA	50HF-010-SMA	1505	Jun. 02,22	Jun. 01,23
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Apr. 22,21	Apr. 21,22
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Apr. 21,22	Apr. 20,23
Signal Pre-Amplifier	EMSI	EMC 9135	980249	Jun. 02,21	Jun. 01,22
Signal Pre-Amplifier	EMSI	EMC 9135	980249	Jun. 01,22	May. 31,23
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	Jun. 03,21	Jun. 02,22
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	Jun. 02,22	Jun. 01,23
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Apr. 22,21	Apr. 21,22
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Apr. 21,22	Apr. 20,23

NOTE: 1.The calibration interval of the above test instruments is 12 months or 36 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

2. The test was performed in 3m Chamber.

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

3.1.4 TEST PROCEDURES

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

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

c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

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

NOTE:

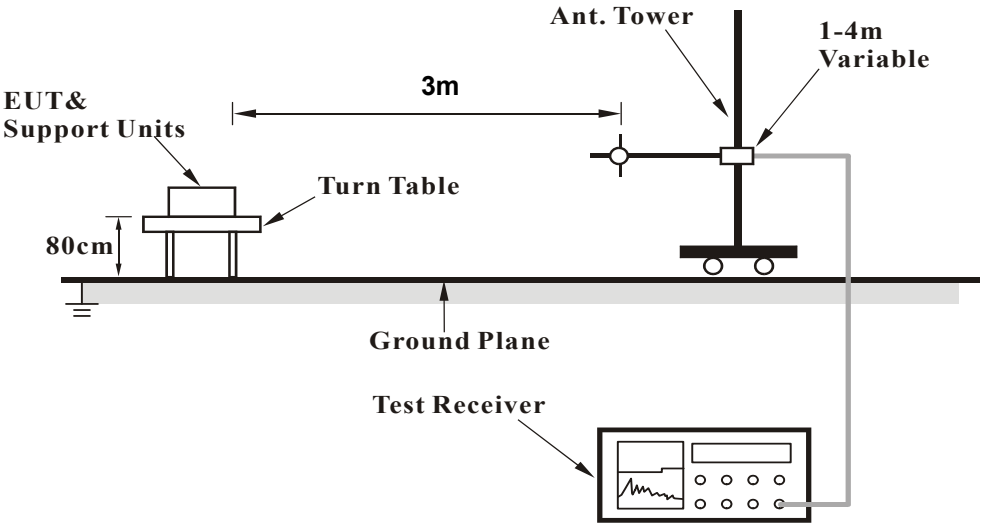
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency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

3.1.5 DEVIATION FROM TEST STANDARD

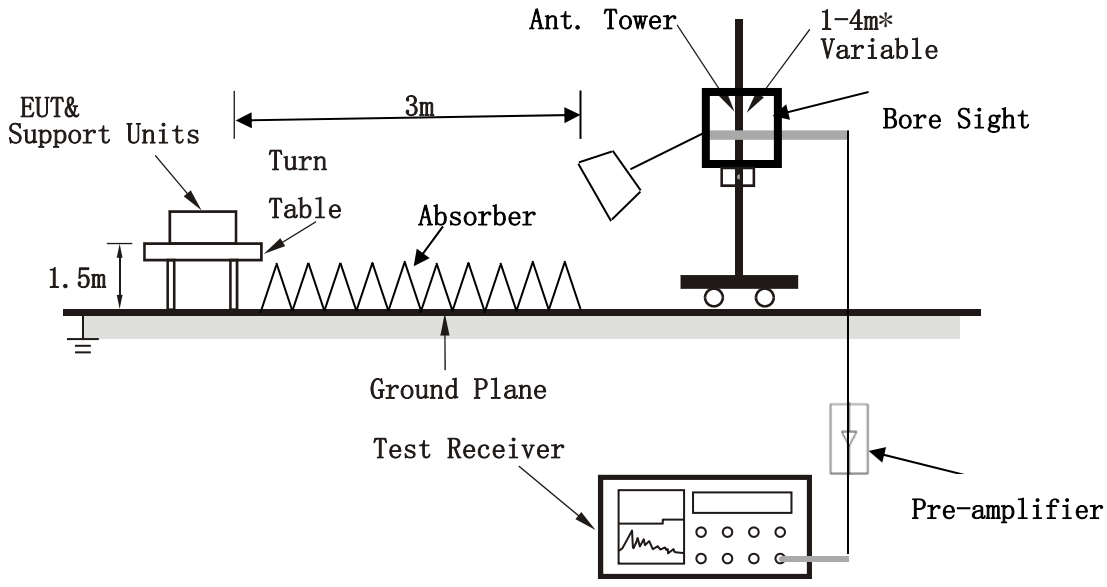
No deviation.

3.1.6 TEST SETUP

< Frequency Range 30MHz~1GHz >



<Frequency Range above 1GHz>



Note: Above 1G is a directional antenna

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

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

3.1.7 EUT OPERATING CONDITION

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

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

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

3.1.8 TEST RESULTS

BELOW 1GHz WORST-CASE DATA:

30 MHz – 1GHz data:

Band 1

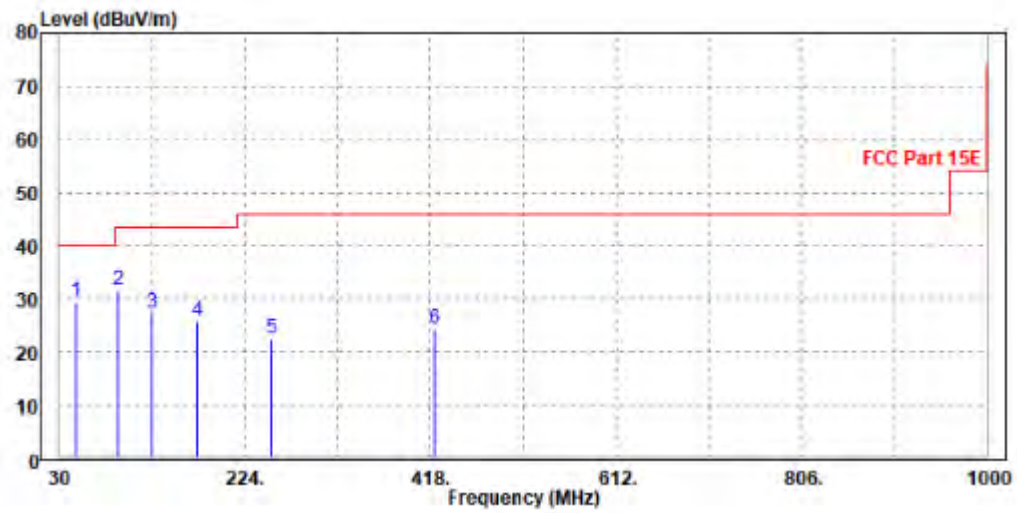
802.11a

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
48.43	29.54	55.89	40	-10.46	10.29	0.39	37.03	200	0	QP
92.08	31.64	58.79	43.5	-11.86	9.23	0.52	36.9	200	0	QP
127	27.47	54.71	43.5	-16.03	8.84	0.6	36.68	200	0	QP
174.53	25.74	50.21	43.5	-17.76	11.26	0.7	36.43	200	0	QP
251.16	22.47	44.39	46	-23.53	13.51	0.84	36.27	200	0	QP
422.85	24.34	43.07	46	-21.66	16.63	1.11	36.47	200	0	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.

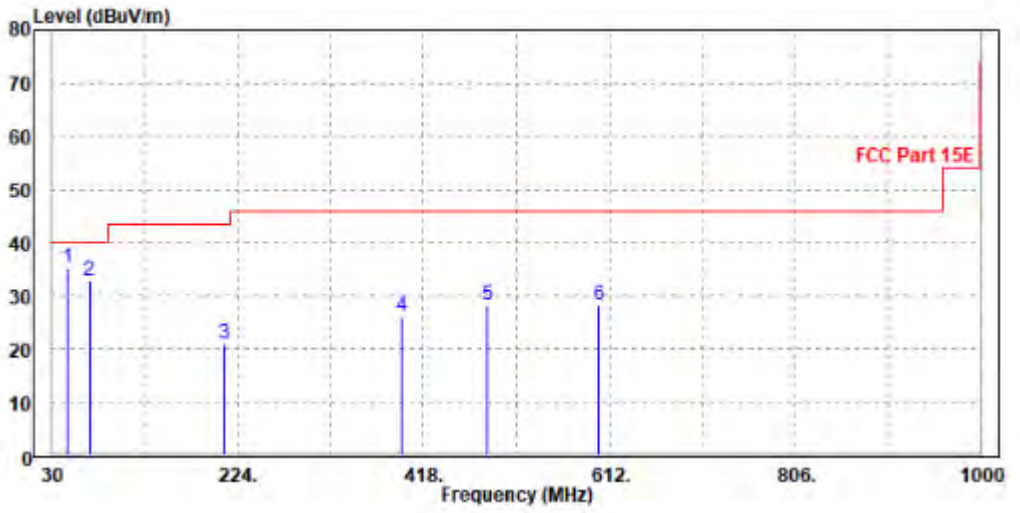


CHANNEL	Channel 36	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
46.49	35.2	60.94	40	-4.8	10.96	0.38	37.08	100	0	QP
68.8	32.98	61.31	40	-7.02	8.16	0.47	36.96	100	0	QP
210.42	21.12	44.93	43.5	-22.38	11.73	0.75	36.29	100	0	QP
394.72	26.08	45.25	46	-19.92	16.18	1.06	36.41	100	0	QP
484.93	28.15	46.14	46	-17.85	17.4	1.2	36.59	100	0	QP
600.36	28.39	44.28	46	-17.61	19.6	1.36	36.85	100	0	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.



ABOVE 1GHz WORST-CASE DATA:

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

Band 1

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.97	57.04	74	-18.03	34.52	9.92	45.51	100	15	Peak
5150	49.48	50.55	54	-4.52	34.52	9.92	45.51	100	15	Average
5180	97.81	98.87	-	-	34.54	9.91	45.51	100	15	Peak
5180	90.81	91.87	-	-	34.54	9.91	45.51	100	15	Average
5350	53.58	54.56	74	-20.42	34.68	9.85	45.51	100	15	Peak
5350	47.33	48.31	54	-6.67	34.68	9.85	45.51	100	15	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.53	55.52	74	-19.47	34.6	9.92	45.51	150	360	Peak
5150	48.71	49.7	54	-5.29	34.6	9.92	45.51	150	360	Average
5180	100.52	101.52	-	-	34.6	9.91	45.51	150	360	Peak
5180	94.07	95.07	-	-	34.6	9.91	45.51	150	360	Average
5350	54.29	55.35	74	-19.71	34.6	9.85	45.51	150	360	Peak
5350	47.01	48.07	54	-6.99	34.6	9.85	45.51	150	360	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.95	59.26	74	-17.05	34.52	9.52	46.35	100	265	Peak
5150	49.43	51.74	54	-4.57	34.52	9.52	46.35	100	265	Average
5200	95.46	97.62	-	-	34.56	9.62	46.34	100	265	Peak
5200	88.05	90.21	-	-	34.56	9.62	46.34	100	265	Average
5350	54.88	56.56	74	-19.12	34.68	9.94	46.3	100	265	Peak
5350	48.85	50.53	54	-5.15	34.68	9.94	46.3	100	265	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.55	57.78	74	-18.45	34.6	9.52	46.35	100	95	Peak
5150	49.2	51.43	54	-4.8	34.6	9.52	46.35	100	95	Average
5200	100.57	102.69	-	-	34.6	9.62	46.34	100	95	Peak
5200	92.96	95.08	-	-	34.6	9.62	46.34	100	95	Average
5350	55.36	57.12	74	-18.64	34.6	9.94	46.3	100	95	Peak
5350	48.35	50.11	54	-5.65	34.6	9.94	46.3	100	95	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.4	57.71	74	-18.6	34.52	9.52	46.35	100	265	Peak
5150	49.51	51.82	54	-4.49	34.52	9.52	46.35	100	265	Average
5240	95.84	97.87	-	-	34.59	9.71	46.33	100	265	Peak
5240	88.64	90.67	-	-	34.59	9.71	46.33	100	265	Average
5350	55.02	56.7	74	-18.98	34.68	9.94	46.3	100	265	Peak
5350	48.49	50.17	54	-5.51	34.68	9.94	46.3	100	265	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.31	57.54	74	-18.69	34.6	9.52	46.35	100	95	Peak
5150	49.69	51.92	54	-4.31	34.6	9.52	46.35	100	95	Average
5240	102.13	104.15	-	-	34.6	9.71	46.33	100	95	Peak
5240	95.78	97.8	-	-	34.6	9.71	46.33	100	95	Average
5350	53.59	55.35	74	-20.41	34.6	9.94	46.3	100	95	Peak
5350	48.38	50.14	54	-5.62	34.6	9.94	46.3	100	95	Average

REMARKS:

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

802.11n (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.82	58.13	74	-18.18	34.52	9.52	46.35	100	300	Peak
5150	50	52.31	54	-4	34.52	9.52	46.35	100	300	Average
5180	95.02	97.25	-	-	34.54	9.58	46.35	100	300	Peak
5180	88.59	90.82	-	-	34.54	9.58	46.35	100	300	Average
5350	55.44	57.12	74	-18.56	34.68	9.94	46.3	100	300	Peak
5350	48.52	50.2	54	-5.48	34.68	9.94	46.3	100	300	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.96	58.19	74	-18.04	34.6	9.52	46.35	100	95	Peak
5150	49.45	51.68	54	-4.55	34.6	9.52	46.35	100	95	Average
5180	99.9	102.07	-	-	34.6	9.58	46.35	100	95	Peak
5180	92.53	94.7	-	-	34.6	9.58	46.35	100	95	Average
5350	54.47	56.23	74	-19.53	34.6	9.94	46.3	100	95	Peak
5350	48.98	50.74	54	-5.02	34.6	9.94	46.3	100	95	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	57.18	59.49	74	-16.82	34.52	9.52	46.35	100	265	Peak
5150	49.5	51.81	54	-4.5	34.52	9.52	46.35	100	265	Average
5200	95.84	98	-	-	34.56	9.62	46.34	100	265	Peak
5200	88.05	90.21	-	-	34.56	9.62	46.34	100	265	Average
5350	54.76	56.44	74	-19.24	34.68	9.94	46.3	100	265	Peak
5350	48.1	49.78	54	-5.9	34.68	9.94	46.3	100	265	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.07	58.3	74	-17.93	34.6	9.52	46.35	100	95	Peak
5150	50.25	52.48	54	-3.75	34.6	9.52	46.35	100	95	Average
5200	99.86	101.98	-	-	34.6	9.62	46.34	100	95	Peak
5200	92.73	94.85	-	-	34.6	9.62	46.34	100	95	Average
5350	54.36	56.12	74	-19.64	34.6	9.94	46.3	100	95	Peak
5350	48.35	50.11	54	-5.65	34.6	9.94	46.3	100	95	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.84	59.15	74	-17.16	34.52	9.52	46.35	100	265	Peak
5150	49.48	51.79	54	-4.52	34.52	9.52	46.35	100	265	Average
5240	95.07	97.1	-	-	34.59	9.71	46.33	100	265	Peak
5240	88.53	90.56	-	-	34.59	9.71	46.33	100	265	Average
5350	54.22	55.9	74	-19.78	34.68	9.94	46.3	100	265	Peak
5350	48.47	50.15	54	-5.53	34.68	9.94	46.3	100	265	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.84	57.07	74	-19.16	34.6	9.52	46.35	100	95	Peak
5150	49.79	52.02	54	-4.21	34.6	9.52	46.35	100	95	Average
5240	102.09	104.11	-	-	34.6	9.71	46.33	100	95	Peak
5240	95.11	97.13	-	-	34.6	9.71	46.33	100	95	Average
5350	54.01	55.77	74	-19.99	34.6	9.94	46.3	100	95	Peak
5350	48.71	50.47	54	-5.29	34.6	9.94	46.3	100	95	Average

REMARKS:

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

802.11n (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.86	57.17	74	-19.14	34.52	9.52	46.35	100	265	Peak
5150	50.27	52.58	54	-3.73	34.52	9.52	46.35	100	265	Average
5190	91.64	93.83	-	-	34.55	9.6	46.34	100	265	Peak
5190	84.53	86.72	-	-	34.55	9.6	46.34	100	265	Average
5350	54.86	56.54	74	-19.14	34.68	9.94	46.3	100	265	Peak
5350	48.8	50.48	54	-5.2	34.68	9.94	46.3	100	265	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.64	56.87	74	-19.36	34.6	9.52	46.35	110	303	Peak
5150	50.38	52.61	54	-3.62	34.6	9.52	46.35	110	303	Average
5190	97.45	99.59	-	-	34.6	9.6	46.34	110	303	Peak
5190	90.19	92.33	-	-	34.6	9.6	46.34	110	303	Average
5350	54.31	56.07	74	-19.69	34.6	9.94	46.3	110	303	Peak
5350	48.98	50.74	54	-5.02	34.6	9.94	46.3	110	303	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.01	58.32	74	-17.99	34.52	9.52	46.35	100	265	Peak
5150	50.18	52.49	54	-3.82	34.52	9.52	46.35	100	265	Average
5230	91.21	93.27	-	-	34.58	9.69	46.33	100	265	Peak
5230	83.11	85.17	-	-	34.58	9.69	46.33	100	265	Average
5350	54.17	55.85	74	-19.83	34.68	9.94	46.3	100	265	Peak
5350	48.17	49.85	54	-5.83	34.68	9.94	46.3	100	265	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.16	57.39	74	-18.84	34.6	9.52	46.35	100	305	Peak
5150	50.11	52.34	54	-3.89	34.6	9.52	46.35	100	305	Average
5230	99	101.04	-	-	34.6	9.69	46.33	100	305	Peak
5230	90.65	92.69	-	-	34.6	9.69	46.33	100	305	Average
5350	55.13	56.89	74	-18.87	34.6	9.94	46.3	100	305	Peak
5350	49.54	51.3	54	-4.46	34.6	9.94	46.3	100	305	Average

REMARKS:

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

802.11ac (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	57.45	59.76	74	-16.55	34.52	9.52	46.35	100	265	Peak
5150	48.97	51.28	54	-5.03	34.52	9.52	46.35	100	265	Average
5180	94.7	96.93	-	-	34.54	9.58	46.35	100	265	Peak
5180	88.31	90.54	-	-	34.54	9.58	46.35	100	265	Average
5350	53.35	55.03	74	-20.65	34.68	9.94	46.3	100	265	Peak
5350	48.79	50.47	54	-5.21	34.68	9.94	46.3	100	265	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.09	58.32	74	-17.91	34.6	9.52	46.35	110	95	Peak
5150	50.28	52.51	54	-3.72	34.6	9.52	46.35	110	95	Average
5180	102.69	104.86	-	-	34.6	9.58	46.35	110	95	Peak
5180	96.6	98.77	-	-	34.6	9.58	46.35	110	95	Average
5350	54.53	56.29	74	-19.47	34.6	9.94	46.3	110	95	Peak
5350	48.23	49.99	54	-5.77	34.6	9.94	46.3	110	95	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.58	57.89	74	-18.42	34.52	9.52	46.35	100	265	Peak
5150	49.91	52.22	54	-4.09	34.52	9.52	46.35	100	265	Average
5200	94.7	96.86	-	-	34.56	9.62	46.34	100	265	Peak
5200	88.34	90.5	-	-	34.56	9.62	46.34	100	265	Average
5350	53.47	55.15	74	-20.53	34.68	9.94	46.3	100	265	Peak
5350	48.11	49.79	54	-5.89	34.68	9.94	46.3	100	265	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.85	56.08	74	-20.15	34.6	9.52	46.35	110	95	Peak
5150	50.39	52.62	54	-3.61	34.6	9.52	46.35	110	95	Average
5200	102.44	104.56	-	-	34.6	9.62	46.34	110	95	Peak
5200	96.15	98.27	-	-	34.6	9.62	46.34	110	95	Average
5350	53.49	55.25	74	-20.51	34.6	9.94	46.3	110	95	Peak
5350	48.38	50.14	54	-5.62	34.6	9.94	46.3	110	95	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.91	57.22	74	-19.09	34.52	9.52	46.35	100	265	Peak
5150	49.87	52.18	54	-4.13	34.52	9.52	46.35	100	265	Average
5240	96.43	98.46	-	-	34.59	9.71	46.33	100	265	Peak
5240	88.41	90.44	-	-	34.59	9.71	46.33	100	265	Average
5350	55.16	56.84	74	-18.84	34.68	9.94	46.3	100	265	Peak
5350	48.3	49.98	54	-5.7	34.68	9.94	46.3	100	265	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.26	57.49	74	-18.74	34.6	9.52	46.35	110	95	Peak
5150	49.6	51.83	54	-4.4	34.6	9.52	46.35	110	95	Average
5240	102.56	104.58	-	-	34.6	9.71	46.33	110	95	Peak
5240	95.7	97.72	-	-	34.6	9.71	46.33	110	95	Average
5350	54.69	56.45	74	-19.31	34.6	9.94	46.3	110	95	Peak
5350	49.27	51.03	54	-4.73	34.6	9.94	46.3	110	95	Average

REMARKS:

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

802.11ac (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.34	57.65	74	-18.66	34.52	9.52	46.35	100	265	Peak
5150	49.85	52.16	54	-4.15	34.52	9.52	46.35	100	265	Average
5190	90.86	93.05	-	-	34.55	9.6	46.34	100	265	Peak
5190	84.46	86.65	-	-	34.55	9.6	46.34	100	265	Average
5350	56.01	57.69	74	-17.99	34.68	9.94	46.3	100	265	Peak
5350	48.69	50.37	54	-5.31	34.68	9.94	46.3	100	265	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.19	57.42	74	-18.81	34.6	9.52	46.35	110	303	Peak
5150	50.07	52.3	54	-3.93	34.6	9.52	46.35	110	303	Average
5190	97.21	99.35	-	-	34.6	9.6	46.34	110	303	Peak
5190	90.83	92.97	-	-	34.6	9.6	46.34	110	303	Average
5350	53.15	54.91	74	-20.85	34.6	9.94	46.3	110	303	Peak
5350	48.58	50.34	54	-5.42	34.6	9.94	46.3	110	303	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.77	59.08	74	-17.23	34.52	9.52	46.35	100	265	Peak
5150	49.48	51.79	54	-4.52	34.52	9.52	46.35	100	265	Average
5230	90.92	92.98	-	-	34.58	9.69	46.33	100	265	Peak
5230	83.54	85.6	-	-	34.58	9.69	46.33	100	265	Average
5350	54.91	56.59	74	-19.09	34.68	9.94	46.3	100	265	Peak
5350	48.45	50.13	54	-5.55	34.68	9.94	46.3	100	265	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.08	56.31	74	-19.92	34.6	9.52	46.35	110	303	Peak
5150	50.24	52.47	54	-3.76	34.6	9.52	46.35	110	303	Average
5230	96.08	98.12	-	-	34.6	9.69	46.33	110	303	Peak
5230	89.78	91.82	-	-	34.6	9.69	46.33	110	303	Average
5350	54.04	55.8	74	-19.96	34.6	9.94	46.3	110	303	Peak
5350	49.1	50.86	54	-4.9	34.6	9.94	46.3	110	303	Average

REMARKS:

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

802.11ac (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.98	54.29	74	-22.02	34.52	9.52	46.35	100	265	Peak
5150	48.19	50.5	54	-5.81	34.52	9.52	46.35	100	265	Average
5210	88.42	90.55	-	-	34.57	9.64	46.34	100	265	Peak
5210	82.3	84.43	-	-	34.57	9.64	46.34	100	265	Average
5350	51.9	53.58	74	-22.1	34.68	9.94	46.3	100	265	Peak
5350	46.76	48.44	54	-7.24	34.68	9.94	46.3	100	265	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.41	55.64	74	-20.59	34.6	9.52	46.35	125	95	Peak
5150	48.56	50.79	54	-5.44	34.6	9.52	46.35	125	95	Average
5210	95.54	97.64	-	-	34.6	9.64	46.34	125	95	Peak
5210	89.27	91.37	-	-	34.6	9.64	46.34	125	95	Average
5350	51.17	52.93	74	-22.83	34.6	9.94	46.3	125	95	Peak
5350	47.11	48.87	54	-6.89	34.6	9.94	46.3	125	95	Average

REMARKS:

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

Band 2

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	54.87	57.18	74	-19.13	34.52	9.52	46.35	100	165	Peak
5150	49.46	51.77	54	-4.54	34.52	9.52	46.35	100	165	Average
5260	96.34	98.3	-	-	34.61	9.75	46.32	100	165	Peak
5260	89.32	91.28	-	-	34.61	9.75	46.32	100	165	Average
5350	54.04	55.72	74	-19.96	34.68	9.94	46.3	100	165	Peak
5350	48.91	50.59	54	-5.09	34.68	9.94	46.3	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5150	56.53	58.76	74	-17.47	34.6	9.52	46.35	100	308	Peak
5150	49.73	51.96	54	-4.27	34.6	9.52	46.35	100	308	Average
5260	104.63	106.6	-	-	34.6	9.75	46.32	100	308	Peak
5260	97.65	99.62	-	-	34.6	9.75	46.32	100	308	Average
5350	56.29	58.05	74	-17.71	34.6	9.94	46.3	100	308	Peak
5350	48.71	50.47	54	-5.29	34.6	9.94	46.3	100	308	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.47	57.78	74	-18.53	34.52	9.52	46.35	105	265	Peak
5150	50.21	52.52	54	-3.79	34.52	9.52	46.35	105	265	Average
5300	98.41	100.25	-	-	34.64	9.83	46.31	105	265	Peak
5300	92.33	94.17	-	-	34.64	9.83	46.31	105	265	Average
5350	55.56	57.24	74	-18.44	34.68	9.94	46.3	105	265	Peak
5350	48.78	50.46	54	-5.22	34.68	9.94	46.3	105	265	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.99	57.22	74	-19.01	34.6	9.52	46.35	100	308	Peak
5150	50.16	52.39	54	-3.84	34.6	9.52	46.35	100	308	Average
5300	104.14	106.02	-	-	34.6	9.83	46.31	100	308	Peak
5300	96.75	98.63	-	-	34.6	9.83	46.31	100	308	Average
5350	55.92	57.68	74	-18.08	34.6	9.94	46.3	100	308	Peak
5350	49.53	51.29	54	-4.47	34.6	9.94	46.3	100	308	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.6	56.91	74	-19.4	34.52	9.52	46.35	105	265	Peak
5150	50.34	52.65	54	-3.66	34.52	9.52	46.35	105	265	Average
5320	98	99.76	-	-	34.66	9.88	46.3	105	265	Peak
5320	91.12	92.88	-	-	34.66	9.88	46.3	105	265	Average
5350	53.72	55.4	74	-20.28	34.68	9.94	46.3	105	265	Peak
5350	49.02	50.7	54	-4.98	34.68	9.94	46.3	105	265	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.08	58.31	74	-17.92	34.6	9.52	46.35	100	285	Peak
5150	49.88	52.11	54	-4.12	34.6	9.52	46.35	100	285	Average
5320	104.66	106.48	-	-	34.6	9.88	46.3	100	285	Peak
5320	97.69	99.51	-	-	34.6	9.88	46.3	100	285	Average
5350	57.01	58.77	74	-16.99	34.6	9.94	46.3	100	285	Peak
5350	49.26	51.02	54	-4.74	34.6	9.94	46.3	100	285	Average

REMARKS:

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

802.11n (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.33	57.64	74	-18.67	34.52	9.52	46.35	100	255	Peak
5150	49.78	52.09	54	-4.22	34.52	9.52	46.35	100	255	Average
5260	98.6	100.56	-	-	34.61	9.75	46.32	100	255	Peak
5260	91.78	93.74	-	-	34.61	9.75	46.32	100	255	Average
5350	53.99	55.67	74	-20.01	34.68	9.94	46.3	100	255	Peak
5350	48.93	50.61	54	-5.07	34.68	9.94	46.3	100	255	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.73	56.96	74	-19.27	34.6	9.52	46.35	100	308	Peak
5150	49.42	51.65	54	-4.58	34.6	9.52	46.35	100	308	Average
5260	104.43	106.4	-	-	34.6	9.75	46.32	100	308	Peak
5260	97.41	99.38	-	-	34.6	9.75	46.32	100	308	Average
5350	54.92	56.68	74	-19.08	34.6	9.94	46.3	100	308	Peak
5350	48.71	50.47	54	-5.29	34.6	9.94	46.3	100	308	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.25	58.56	74	-17.75	34.52	9.52	46.35	100	255	Peak
5150	50.12	52.43	54	-3.88	34.52	9.52	46.35	100	255	Average
5300	98.96	100.8	-	-	34.64	9.83	46.31	100	255	Peak
5300	91.12	92.96	-	-	34.64	9.83	46.31	100	255	Average
5350	55.44	57.12	74	-18.56	34.68	9.94	46.3	100	255	Peak
5350	50.1	51.78	54	-3.9	34.68	9.94	46.3	100	255	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.74	58.97	74	-17.26	34.6	9.52	46.35	100	308	Peak
5150	50.21	52.44	54	-3.79	34.6	9.52	46.35	100	308	Average
5300	102.72	104.6	-	-	34.6	9.83	46.31	100	308	Peak
5300	96.05	97.93	-	-	34.6	9.83	46.31	100	308	Average
5350	54.75	56.51	74	-19.25	34.6	9.94	46.3	100	308	Peak
5350	48.44	50.2	54	-5.56	34.6	9.94	46.3	100	308	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.25	57.56	74	-18.75	34.52	9.52	46.35	100	255	Peak
5150	49.14	51.45	54	-4.86	34.52	9.52	46.35	100	255	Average
5320	96.19	97.95	-	-	34.66	9.88	46.3	100	255	Peak
5320	88.14	89.9	-	-	34.66	9.88	46.3	100	255	Average
5350	54.51	56.19	74	-19.49	34.68	9.94	46.3	100	255	Peak
5350	49.45	51.13	54	-4.55	34.68	9.94	46.3	100	255	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.71	57.94	74	-18.29	34.6	9.52	46.35	100	310	Peak
5150	50.26	52.49	54	-3.74	34.6	9.52	46.35	100	310	Average
5320	101.87	103.69	-	-	34.6	9.88	46.3	100	310	Peak
5320	94.65	96.47	-	-	34.6	9.88	46.3	100	310	Average
5350	55.16	56.92	74	-18.84	34.6	9.94	46.3	100	310	Peak
5350	48.83	50.59	54	-5.17	34.6	9.94	46.3	100	310	Average

REMARKS:

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

802.11n (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.88	58.19	74	-18.12	34.52	9.52	46.35	190	70	Peak
5150	49.68	51.99	54	-4.32	34.52	9.52	46.35	190	70	Average
5270	91.62	93.55	-	-	34.62	9.77	46.32	190	70	Peak
5270	86.31	88.24	-	-	34.62	9.77	46.32	190	70	Average
5350	55.64	57.32	74	-18.36	34.68	9.94	46.3	190	70	Peak
5350	48.94	50.62	54	-5.06	34.68	9.94	46.3	190	70	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.73	58.96	74	-17.27	34.6	9.52	46.35	100	50	Peak
5150	50.32	52.55	54	-3.68	34.6	9.52	46.35	100	50	Average
5270	98.82	100.77	-	-	34.6	9.77	46.32	100	50	Peak
5270	92.63	94.58	-	-	34.6	9.77	46.32	100	50	Average
5350	53.68	55.44	74	-20.32	34.6	9.94	46.3	100	50	Peak
5350	48.28	50.04	54	-5.72	34.6	9.94	46.3	100	50	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.71	58.02	74	-18.29	34.52	9.52	46.35	185	70	Peak
5150	49.91	52.22	54	-4.09	34.52	9.52	46.35	185	70	Average
5310	91.83	93.64	-	-	34.65	9.85	46.31	185	70	Peak
5310	84.21	86.02	-	-	34.65	9.85	46.31	185	70	Average
5350	55.39	57.07	74	-18.61	34.68	9.94	46.3	185	70	Peak
5350	48.63	50.31	54	-5.37	34.68	9.94	46.3	185	70	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.09	57.32	74	-18.91	34.6	9.52	46.35	100	50	Peak
5150	50.28	52.51	54	-3.72	34.6	9.52	46.35	100	50	Average
5310	97.99	99.85	-	-	34.6	9.85	46.31	100	50	Peak
5310	92.53	94.39	-	-	34.6	9.85	46.31	100	50	Average
5350	54.49	56.25	74	-19.51	34.6	9.94	46.3	100	50	Peak
5350	48.81	50.57	54	-5.19	34.6	9.94	46.3	100	50	Average

REMARKS:

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

802.11ac (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.5	57.81	74	-18.5	34.52	9.52	46.35	200	70	Peak
5150	48.93	51.24	54	-5.07	34.52	9.52	46.35	200	70	Average
5260	96.32	98.28	-	-	34.61	9.75	46.32	200	70	Peak
5260	89.09	91.05	-	-	34.61	9.75	46.32	200	70	Average
5350	57.08	58.76	74	-16.92	34.68	9.94	46.3	200	70	Peak
5350	48.06	49.74	54	-5.94	34.68	9.94	46.3	200	70	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.75	57.98	74	-18.25	34.6	9.52	46.35	110	310	Peak
5150	50.44	52.67	54	-3.56	34.6	9.52	46.35	110	310	Average
5260	102.5	104.47	-	-	34.6	9.75	46.32	110	310	Peak
5260	95.97	97.94	-	-	34.6	9.75	46.32	110	310	Average
5350	55.16	56.92	74	-18.84	34.6	9.94	46.3	110	310	Peak
5350	48.45	50.21	54	-5.55	34.6	9.94	46.3	110	310	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.26	57.57	74	-18.74	34.52	9.52	46.35	200	70	Peak
5150	49.63	51.94	54	-4.37	34.52	9.52	46.35	200	70	Average
5300	96.68	98.52	-	-	34.64	9.83	46.31	200	70	Peak
5300	89.82	91.66	-	-	34.64	9.83	46.31	200	70	Average
5350	54	55.68	74	-20	34.68	9.94	46.3	200	70	Peak
5350	48.19	49.87	54	-5.81	34.68	9.94	46.3	200	70	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	57.16	59.39	74	-16.84	34.6	9.52	46.35	110	310	Peak
5150	48.75	50.98	54	-5.25	34.6	9.52	46.35	110	310	Average
5300	102.36	104.24	-	-	34.6	9.83	46.31	110	310	Peak
5300	95.8	97.68	-	-	34.6	9.83	46.31	110	310	Average
5350	55.09	56.85	74	-18.91	34.6	9.94	46.3	110	310	Peak
5350	48.34	50.1	54	-5.66	34.6	9.94	46.3	110	310	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.27	57.58	74	-18.73	34.52	9.52	46.35	200	70	Peak
5150	49.54	51.85	54	-4.46	34.52	9.52	46.35	200	70	Average
5320	95.76	97.52	-	-	34.66	9.88	46.3	200	70	Peak
5320	96.02	97.78	-	-	34.66	9.88	46.3	200	70	Average
5350	55.62	57.3	74	-18.38	34.68	9.94	46.3	200	70	Peak
5350	48	49.68	54	-6	34.68	9.94	46.3	200	70	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.31	57.54	74	-18.69	34.6	9.52	46.35	110	310	Peak
5150	49.58	51.81	54	-4.42	34.6	9.52	46.35	110	310	Average
5320	102.84	104.66	-	-	34.6	9.88	46.3	110	310	Peak
5320	95.63	97.45	-	-	34.6	9.88	46.3	110	310	Average
5350	53.62	55.38	74	-20.38	34.6	9.94	46.3	110	310	Peak
5350	47.72	49.48	54	-6.28	34.6	9.94	46.3	110	310	Average

REMARKS:

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

802.11ac (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.27	57.58	74	-18.73	34.52	9.52	46.35	100	70	Peak
5150	49.65	51.96	54	-4.35	34.52	9.52	46.35	100	70	Average
5270	91.22	93.15	-	-	34.62	9.77	46.32	100	70	Peak
5270	85.12	87.05	-	-	34.62	9.77	46.32	100	70	Average
5350	53.88	55.56	74	-20.12	34.68	9.94	46.3	100	70	Peak
5350	48.55	50.23	54	-5.45	34.68	9.94	46.3	100	70	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.52	56.75	74	-19.48	34.6	9.52	46.35	110	310	Peak
5150	50.35	52.58	54	-3.65	34.6	9.52	46.35	110	310	Average
5270	97.95	99.9	-	-	34.6	9.77	46.32	110	310	Peak
5270	92.03	93.98	-	-	34.6	9.77	46.32	110	310	Average
5350	55.31	57.07	74	-18.69	34.6	9.94	46.3	110	310	Peak
5350	47.68	49.44	54	-6.32	34.6	9.94	46.3	110	310	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.3	56.61	74	-19.7	34.52	9.52	46.35	100	265	Peak
5150	49.43	51.74	54	-4.57	34.52	9.52	46.35	100	265	Average
5310	90.91	92.72	-	-	34.65	9.85	46.31	100	265	Peak
5310	83.75	85.56	-	-	34.65	9.85	46.31	100	265	Average
5350	54.73	56.41	74	-19.27	34.68	9.94	46.3	100	265	Peak
5350	48.26	49.94	54	-5.74	34.68	9.94	46.3	100	265	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.3	57.53	74	-18.7	34.6	9.52	46.35	110	310	Peak
5150	49.2	51.43	54	-4.8	34.6	9.52	46.35	110	310	Average
5310	97.64	99.5	-	-	34.6	9.85	46.31	110	310	Peak
5310	91.07	92.93	-	-	34.6	9.85	46.31	110	310	Average
5350	53.46	55.22	74	-20.54	34.6	9.94	46.3	110	310	Peak
5350	48.09	49.85	54	-5.91	34.6	9.94	46.3	110	310	Average

REMARKS:

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

802.11ac (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.56	55.87	74	-20.44	34.52	9.52	46.35	100	270	Peak
5150	50.07	52.38	54	-3.93	34.52	9.52	46.35	100	270	Average
5290	90.36	92.23	-	-	34.63	9.81	46.31	100	270	Peak
5290	84.32	86.19	-	-	34.63	9.81	46.31	100	270	Average
5350	54.61	56.29	74	-19.39	34.68	9.94	46.3	100	270	Peak
5350	48.78	50.46	54	-5.22	34.68	9.94	46.3	100	270	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.34	54.57	74	-21.66	34.6	9.52	46.35	110	310	Peak
5150	48.85	51.08	54	-5.15	34.6	9.52	46.35	110	310	Average
5290	94.96	96.86	-	-	34.6	9.81	46.31	110	310	Peak
5290	88.85	90.75	-	-	34.6	9.81	46.31	110	310	Average
5350	54.16	55.92	74	-19.84	34.6	9.94	46.3	110	310	Peak
5350	49.61	51.37	54	-4.39	34.6	9.94	46.3	110	310	Average

REMARKS:

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

Band 3

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5460	55.97	57.29	74	-18.03	34.77	10.17	46.26	188	250	Peak
5460	49.6	50.92	54	-4.4	34.77	10.17	46.26	188	250	Average
5470	55.54	56.83	68.2	-12.66	34.78	10.19	46.26	188	250	Peak
5500	96.68	97.87	-	-	34.8	10.26	46.25	188	250	Peak
5500	90.12	91.31	-	-	34.8	10.26	46.25	188	250	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5460	54.08	55.57	74	-19.92	34.6	10.17	46.26	133	180	Peak
5460	49.16	50.65	54	-4.84	34.6	10.17	46.26	133	180	Average
5470	55.28	56.75	68.2	-12.92	34.6	10.19	46.26	133	180	Peak
5500	104.22	105.61	-	-	34.6	10.26	46.25	133	180	Peak
5500	97.95	99.34	-	-	34.6	10.26	46.25	133	180	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.16	54.48	74	-20.84	34.77	10.17	46.26	188	250	Peak
5460	48.84	50.16	54	-5.16	34.77	10.17	46.26	188	250	Average
5470	53.92	55.21	68.2	-14.28	34.78	10.19	46.26	188	250	Peak
5580	96.65	97.39	-	-	34.9	10.59	46.23	188	250	Peak
5580	89.44	90.18	-	-	34.9	10.59	46.23	188	250	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.56	55.05	74	-20.44	34.6	10.17	46.26	133	180	Peak
5460	48.4	49.89	54	-5.6	34.6	10.17	46.26	133	180	Average
5470	53.82	55.29	68.2	-14.38	34.6	10.19	46.26	133	180	Peak
5580	106.44	107.38	-	-	34.7	10.59	46.23	133	180	Peak
5580	99.7	100.64	-	-	34.7	10.59	46.23	133	180	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5700	98.79	98.85	-	-	35.04	11.09	46.19	100	250	Peak
5700	92.16	92.22	-	-	35.04	11.09	46.19	100	250	Average
5725	58.14	58.06	68.2	-10.06	35.07	11.2	46.19	100	250	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5700	107.15	107.41	-	-	34.84	11.09	46.19	133	180	Peak
5700	100.22	100.48	-	-	34.84	11.09	46.19	133	180	Average
5725	60.79	60.91	68.2	-7.41	34.87	11.2	46.19	133	180	Peak

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	54.17	55.46	74	-19.83	34.78	10.19	46.26	100	250	Peak
5720	99.47	99.42	-	-	35.06	11.18	46.19	100	250	Peak
5720	93.17	93.12	-	-	35.06	11.18	46.19	100	250	Average
5850	57.97	57.18	68.2	-10.23	35.22	11.72	46.15	100	250	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	54.23	55.7	74	-19.77	34.6	10.19	46.26	133	180	Peak
5720	106.1	106.25	-	-	34.86	11.18	46.19	133	180	Peak
5720	100.31	100.46	-	-	34.86	11.18	46.19	133	180	Average
5850	59.17	58.58	68.2	-9.03	35.02	11.72	46.15	133	180	Peak

REMARKS:

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

802.11n (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5460	54.97	56.29	74	-19.03	34.77	10.17	46.26	160	325	Peak
5460	49.04	50.36	54	-4.96	34.77	10.17	46.26	160	325	Average
5470	54.51	55.8	68.2	-13.69	34.78	10.19	46.26	160	325	Peak
5500	95.29	96.48	-	-	34.8	10.26	46.25	160	325	Peak
5500	89.29	90.48	-	-	34.8	10.26	46.25	160	325	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5460	55.43	56.92	74	-18.57	34.6	10.17	46.26	133	180	Peak
5460	48.64	50.13	54	-5.36	34.6	10.17	46.26	133	180	Average
5470	53.27	54.74	68.2	-14.93	34.6	10.19	46.26	133	180	Peak
5500	105.77	107.16	-	-	34.6	10.26	46.25	133	180	Peak
5500	98.88	100.27	-	-	34.6	10.26	46.25	133	180	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	55.53	56.85	74	-18.47	34.77	10.17	46.26	100	185	Peak
5460	48.7	50.02	54	-5.3	34.77	10.17	46.26	100	185	Average
5470	54.26	55.55	68.2	-13.94	34.78	10.19	46.26	100	185	Peak
5580	97.16	97.9	-	-	34.9	10.59	46.23	100	185	Peak
5580	91.26	92	-	-	34.9	10.59	46.23	100	185	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	56.65	58.14	74	-17.35	34.6	10.17	46.26	160	185	Peak
5460	48.63	50.12	54	-5.37	34.6	10.17	46.26	160	185	Average
5470	56.15	57.62	68.2	-12.05	34.6	10.19	46.26	160	185	Peak
5580	105.47	106.41	-	-	34.7	10.59	46.23	160	185	Peak
5580	98.94	99.88	-	-	34.7	10.59	46.23	160	185	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5700	98.83	98.89	-	-	35.04	11.09	46.19	140	185	Peak
5700	92.75	92.81	-	-	35.04	11.09	46.19	140	185	Average
5725	57.58	57.5	68.2	-10.62	35.07	11.2	46.19	140	185	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5700	106.51	106.77	-	-	34.84	11.09	46.19	160	185	Peak
5700	99.76	100.02	-	-	34.84	11.09	46.19	160	185	Average
5725	57.35	57.47	68.2	-10.85	34.87	11.2	46.19	160	185	Peak

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	54.32	55.61	74	-19.68	34.78	10.19	46.26	140	185	Peak
5720	100.29	100.24	-	-	35.06	11.18	46.19	140	185	Peak
5720	93.41	93.36	-	-	35.06	11.18	46.19	140	185	Average
5850	55.07	54.28	68.2	-13.13	35.22	11.72	46.15	140	185	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	54.84	56.31	74	-19.16	34.6	10.19	46.26	170	185	Peak
5720	108.35	108.5	-	-	34.86	11.18	46.19	170	185	Peak
5720	101.54	101.69	-	-	34.86	11.18	46.19	170	185	Average
5850	56.86	56.27	68.2	-11.34	35.02	11.72	46.15	170	185	Peak

REMARKS:

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

802.11n (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	52.98	54.3	74	-21.02	34.77	10.17	46.26	100	325	Peak
5460	48.71	50.03	54	-5.29	34.77	10.17	46.26	100	325	Average
5470	55.61	56.9	68.2	-12.59	34.78	10.19	46.26	100	325	Peak
5510	89.24	90.38	-	-	34.81	10.3	46.25	100	325	Peak
5510	84.88	86.02	-	-	34.81	10.3	46.25	100	325	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	54.77	56.26	74	-19.23	34.6	10.17	46.26	170	185	Peak
5460	48.86	50.35	54	-5.14	34.6	10.17	46.26	170	185	Average
5470	55.82	57.29	68.2	-12.38	34.6	10.19	46.26	170	185	Peak
5510	98.53	99.87	-	-	34.61	10.3	46.25	170	185	Peak
5510	93.87	95.21	-	-	34.61	10.3	46.25	170	185	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.87	55.19	74	-20.13	34.77	10.17	46.26	100	325	Peak
5460	49.16	50.48	54	-4.84	34.77	10.17	46.26	100	325	Average
5470	55.73	57.02	68.2	-12.47	34.78	10.19	46.26	100	325	Peak
5550	90.56	91.47	-	-	34.86	10.47	46.24	100	325	Peak
5550	85.76	86.67	-	-	34.86	10.47	46.24	100	325	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.42	54.91	74	-20.58	34.6	10.17	46.26	170	180	Peak
5460	48.44	49.93	54	-5.56	34.6	10.17	46.26	170	180	Average
5470	55.32	56.79	68.2	-12.88	34.6	10.19	46.26	170	180	Peak
5550	98.84	99.95	-	-	34.66	10.47	46.24	170	180	Peak
5550	94.58	95.69	-	-	34.66	10.47	46.24	170	180	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5670	91.49	91.72	-	-	35	10.97	46.2	100	253	Peak
5670	87.12	87.35	-	-	35	10.97	46.2	100	253	Average
5725	56.06	55.98	68.2	-12.14	35.07	11.2	46.19	100	253	Peak
ANTENNA POLARITY & test distance: Vertical at 3 m										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5670	99.95	100.38	-	-	34.8	10.97	46.2	170	180	Peak
5670	96.45	96.88	-	-	34.8	10.97	46.2	170	180	Average
5725	55.67	55.79	68.2	-12.53	34.87	11.2	46.19	170	180	Peak

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	54.28	55.57	74	-19.72	34.78	10.19	46.26	100	253	Peak
5710	91.58	91.58	-	-	35.05	11.14	46.19	100	253	Peak
5710	87.38	87.38	-	-	35.05	11.14	46.19	100	253	Average
5850	57.98	57.19	68.2	-10.22	35.22	11.72	46.15	100	253	Peak
ANTENNA POLARITY & test distance: Vertical at 3 m										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	53.05	54.52	74	-20.95	34.6	10.19	46.26	170	180	Peak
5710	101.06	101.26	-	-	34.85	11.14	46.19	170	180	Peak
5710	96.54	96.74	-	-	34.85	11.14	46.19	170	180	Average
5850	57.88	57.29	68.2	-10.32	35.02	11.72	46.15	170	180	Peak

REMARKS:

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

802.11ac (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.74	55.06	74	-20.26	34.77	10.17	46.26	200	80	Peak
5460	48.57	49.89	54	-5.43	34.77	10.17	46.26	200	80	Average
5470	55.4	56.69	68.2	-12.8	34.78	10.19	46.26	200	80	Peak
5500	97.77	98.96	-	-	34.8	10.26	46.25	200	80	Peak
5500	91.29	92.48	-	-	34.8	10.26	46.25	200	80	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	55.99	57.48	74	-18.01	34.6	10.17	46.26	140	180	Peak
5460	48.93	50.42	54	-5.07	34.6	10.17	46.26	140	180	Average
5470	55.85	57.32	68.2	-12.35	34.6	10.19	46.26	140	180	Peak
5500	105.21	106.6	-	-	34.6	10.26	46.25	140	180	Peak
5500	98.6	99.99	-	-	34.6	10.26	46.25	140	180	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	55.07	56.39	74	-18.93	34.77	10.17	46.26	200	80	Peak
5460	48.43	49.75	54	-5.57	34.77	10.17	46.26	200	80	Average
5470	56.88	58.17	68.2	-11.32	34.78	10.19	46.26	200	80	Peak
5580	97.77	98.51	-	-	34.9	10.59	46.23	200	80	Peak
5580	91.34	92.08	-	-	34.9	10.59	46.23	200	80	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	54.43	55.92	74	-19.57	34.6	10.17	46.26	155	180	Peak
5460	48.83	50.32	54	-5.17	34.6	10.17	46.26	155	180	Average
5470	55.39	56.86	68.2	-12.81	34.6	10.19	46.26	155	180	Peak
5580	105.85	106.79	-	-	34.7	10.59	46.23	155	180	Peak
5580	99.48	100.42	-	-	34.7	10.59	46.23	155	180	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5700	99.16	99.22	-	-	35.04	11.09	46.19	155	180	Peak
5700	92.79	92.85	-	-	35.04	11.09	46.19	155	180	Average
5725	57.93	57.85	68.2	-10.27	35.07	11.2	46.19	155	180	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5700	108.01	108.27	-	-	34.84	11.09	46.19	155	180	Peak
5700	101.17	101.43	-	-	34.84	11.09	46.19	155	180	Average
5725	57.49	57.61	68.2	-10.71	34.87	11.2	46.19	155	180	Peak

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	53.93	55.22	74	-20.07	34.78	10.19	46.26	155	180	Peak
5720	99.43	99.38	-	-	35.06	11.18	46.19	155	180	Peak
5720	92.2	92.15	-	-	35.06	11.18	46.19	155	180	Average
5850	57.67	56.88	68.2	-10.53	35.22	11.72	46.15	155	180	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	54.71	56.18	74	-19.29	34.6	10.19	46.26	155	180	Peak
5720	106.91	107.06	-	-	34.86	11.18	46.19	155	180	Peak
5720	101.03	101.18	-	-	34.86	11.18	46.19	155	180	Average
5850	56.71	56.12	68.2	-11.49	35.02	11.72	46.15	155	180	Peak

REMARKS:

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

802.11ac (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.14	54.46	74	-20.86	34.77	10.17	46.26	133	185	Peak
5460	48.95	50.27	54	-5.05	34.77	10.17	46.26	133	185	Average
5470	54.98	56.27	68.2	-13.22	34.78	10.19	46.26	133	185	Peak
5510	92.06	93.2	-	-	34.81	10.3	46.25	133	185	Peak
5510	86.94	88.08	-	-	34.81	10.3	46.25	133	185	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.18	54.67	74	-20.82	34.6	10.17	46.26	155	180	Peak
5460	48.57	50.06	54	-5.43	34.6	10.17	46.26	155	180	Average
5470	55.2	56.67	68.2	-13	34.6	10.19	46.26	155	180	Peak
5510	99.46	100.8	-	-	34.61	10.3	46.25	155	180	Peak
5510	94.46	95.8	-	-	34.61	10.3	46.25	155	180	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	54.97	56.29	74	-19.03	34.77	10.17	46.26	133	185	Peak
5460	48.82	50.14	54	-5.18	34.77	10.17	46.26	133	185	Average
5470	54.22	55.51	68.2	-13.98	34.78	10.19	46.26	133	185	Peak
5550	89.82	90.73	-	-	34.86	10.47	46.24	133	185	Peak
5550	85.59	86.5	-	-	34.86	10.47	46.24	133	185	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	55.22	56.71	74	-18.78	34.6	10.17	46.26	133	180	Peak
5460	48.64	50.13	54	-5.36	34.6	10.17	46.26	133	180	Average
5470	53.72	55.19	74	-20.28	34.6	10.19	46.26	133	180	Peak
5550	99.27	100.38	-	-	34.66	10.47	46.24	133	180	Peak
5550	94.87	95.98	-	-	34.66	10.47	46.24	133	180	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5670	92.08	92.31	-	-	35	10.97	46.2	180	180	Peak
5670	87.62	87.85	-	-	35	10.97	46.2	180	180	Average
5725	56.24	56.16	68.2	-11.96	35.07	11.2	46.19	180	180	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5670	100.34	100.77	-	-	34.8	10.97	46.2	155	180	Peak
5670	95.82	96.25	-	-	34.8	10.97	46.2	155	180	Average
5725	57.38	57.5	68.2	-10.82	34.87	11.2	46.19	155	180	Peak

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	53.84	55.13	74	-20.16	34.78	10.19	46.26	180	180	Peak
5710	92.68	92.68	-	-	35.05	11.14	46.19	180	180	Peak
5710	88.32	88.32	-	-	35.05	11.14	46.19	180	180	Average
5850	57.2	56.41	68.2	-11	35.22	11.72	46.15	180	180	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	53.57	55.04	74	-20.43	34.6	10.19	46.26	180	180	Peak
5710	101.7	101.9	-	-	34.85	11.14	46.19	180	180	Peak
5710	96.83	97.03	-	-	34.85	11.14	46.19	180	180	Average
5850	57.05	56.46	68.2	-11.15	35.02	11.72	46.15	180	180	Peak

REMARKS:

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

802.11ac (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	54.8	56.12	74	-19.2	34.77	10.17	46.26	185	180	Peak
5460	48.92	50.24	54	-5.08	34.77	10.17	46.26	185	180	Average
5470	53.84	55.13	74	-20.16	34.78	10.19	46.26	185	180	Peak
5530	86.75	87.77	-	-	34.84	10.38	46.24	185	180	Peak
5530	82.26	83.28	-	-	34.84	10.38	46.24	185	180	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	54.77	56.26	74	-19.23	34.6	10.17	46.26	140	180	Peak
5460	49.82	51.31	54	-4.18	34.6	10.17	46.26	140	180	Average
5470	55.87	57.34	68.2	-12.33	34.6	10.19	46.26	140	180	Peak
5530	96.39	97.61	-	-	34.64	10.38	46.24	140	180	Peak
5530	91.99	93.21	-	-	34.64	10.38	46.24	140	180	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5610	88	88.57	-	-	34.93	10.72	46.22	185	180	Peak
5610	83.8	84.37	-	-	34.93	10.72	46.22	185	180	Average
5725	55.44	55.36	68.2	-12.76	35.07	11.2	46.19	185	180	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5610	96.11	96.88	-	-	34.73	10.72	46.22	140	180	Peak
5610	92.87	93.64	-	-	34.73	10.72	46.22	140	180	Average
5725	55.73	55.85	68.2	-12.47	34.87	11.2	46.19	140	180	Peak

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	54.42	55.71	74	-19.58	34.78	10.19	46.26	140	180	Peak
5690	88.52	88.64	-	-	35.03	11.05	46.2	140	180	Peak
5690	84.52	84.64	-	-	35.03	11.05	46.2	140	180	Average
5850	57.19	56.4	68.2	-11.01	35.22	11.72	46.15	140	180	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	54.15	55.62	74	-19.85	34.6	10.19	46.26	140	180	Peak
5690	96.72	97.04	-	-	34.83	11.05	46.2	140	180	Peak
5690	93.08	93.4	-	-	34.83	11.05	46.2	140	180	Average
5850	56.09	55.5	68.2	-12.11	35.02	11.72	46.15	140	180	Peak

REMARKS:

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

Band 4:

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5745	100.19	100	-	-	35.09	11.28	46.18	100	255	Peak
5745	93.45	93.26	-	-	35.09	11.28	46.18	100	255	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5745	107.12	107.13	-	-	34.89	11.28	46.18	108	270	Peak
5745	100.55	100.56	-	-	34.89	11.28	46.18	108	270	Average

REMARKS:

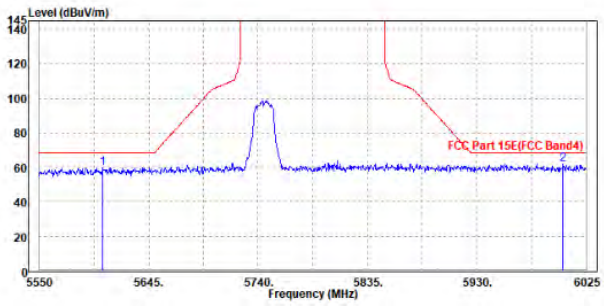
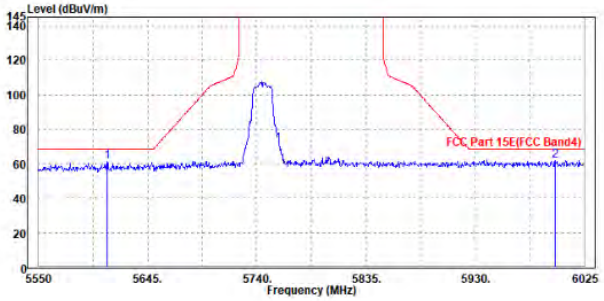
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5745MHz: Fundamental frequency.

OOBE DATA

802.11a

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5604.625	59.56	60.16	68.2	-8.64	34.93	10.69	46.22	200	255	Peak
6005.05	61.9	60.26	68.2	-6.3	35.4	12.35	46.11	200	255	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5609.85	60.97	61.74	68.2	-7.23	34.73	10.72	46.22	208	270	Peak
5999.825	61.96	60.52	68.2	-6.24	35.2	12.35	46.11	208	270	Peak

CH 149

Horiontal	Vertical
	

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5785	99.32	98.9	-	-	35.14	11.45	46.17	100	253	Peak
5785	92.89	92.47	-	-	35.14	11.45	46.17	100	253	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5785	107.74	107.52	-	-	34.94	11.45	46.17	108	270	Peak
5785	100.5	100.28	-	-	34.94	11.45	46.17	108	270	Average

REMARKS:

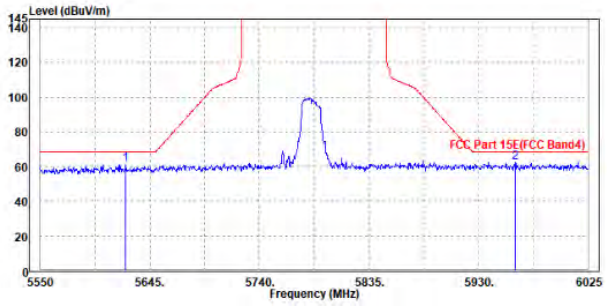
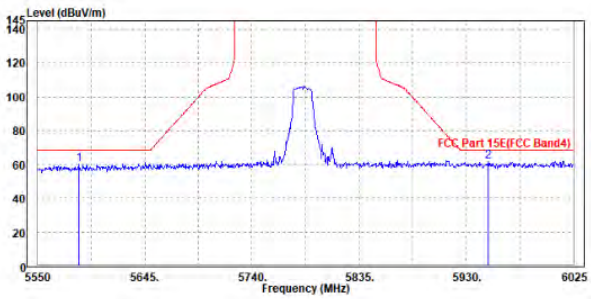
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5785MHz: Fundamental frequency.

OOBE DATA

802.11a

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5624.1	60.96	61.45	68.2	-7.24	34.95	10.78	46.22	200	253	Peak
5961.825	62.07	60.65	68.2	-6.13	35.35	12.19	46.12	200	253	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5586.575	60.07	60.98	68.2	-8.13	34.7	10.62	46.23	208	270	Peak
5949.475	61.81	60.65	68.2	-6.39	35.14	12.14	46.12	208	270	Peak

CH 157

Horiontal	Vertical
	

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5825	102.89	102.24	-	-	35.19	11.62	46.16	200	187	Peak
5825	96.18	95.53	-	-	35.19	11.62	46.16	200	187	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5825	107.07	106.62	-	-	34.99	11.62	46.16	100	270	Peak
5825	100.08	99.63	-	-	34.99	11.62	46.16	100	270	Average

REMARKS:

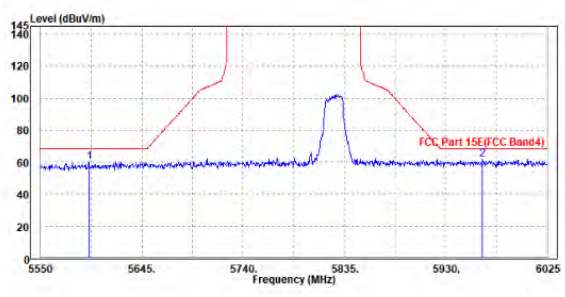
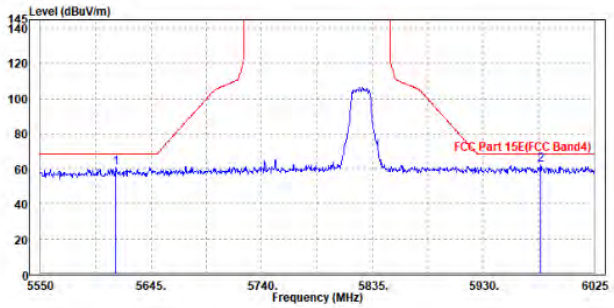
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5825MHz: Fundamental frequency.

OOBE DATA

802.11a

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5595.6	60.12	60.77	68.2	-8.08	34.91	10.66	46.22	300	187	Peak
5964.675	61.95	60.51	68.2	-6.25	35.36	12.2	46.12	300	187	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5615.075	60.89	61.63	68.2	-7.31	34.74	10.74	46.22	200	270	Peak
5978.925	62.31	61	68.2	-5.89	35.17	12.26	46.12	200	270	Peak

CH 165

Horiontal	Vertical
	

802.11n (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5745	100.88	100.69	-	-	35.09	11.28	46.18	200	187	Peak
5745	93.97	93.78	-	-	35.09	11.28	46.18	200	187	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5745	106.23	106.24	-	-	34.89	11.28	46.18	100	270	Peak
5745	99.34	99.35	-	-	34.89	11.28	46.18	100	270	Average

REMARKS:

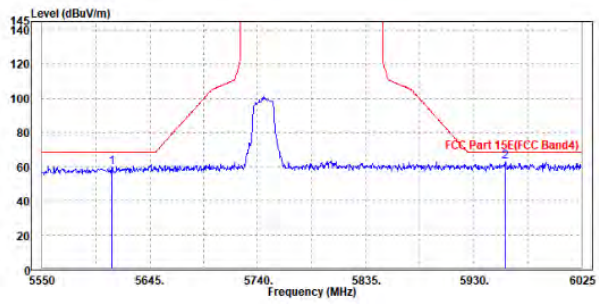
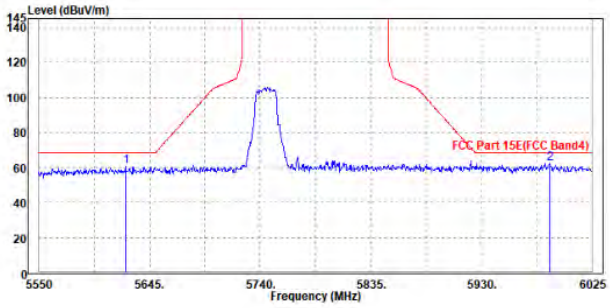
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5745MHz: Fundamental frequency.

OOBE DATA

802.11n (20MHZ)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5611.75	59.65	60.22	68.2	-8.55	34.93	10.72	46.22	300	187	Peak
5958.025	62.69	61.29	68.2	-5.51	35.35	12.17	46.12	300	187	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5624.575	60.86	61.55	68.2	-7.34	34.75	10.78	46.22	200	270	Peak
5988.9	62.45	61.07	68.2	-5.75	35.19	12.3	46.11	200	270	Peak

CH 149

Horiontal	Vertical
	

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5785	102.71	102.29	-	-	35.14	11.45	46.17	200	187	Peak
5785	95.24	94.82	-	-	35.14	11.45	46.17	200	187	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5785	107.46	107.24	-	-	34.94	11.45	46.17	100	270	Peak
5785	100.73	100.51	-	-	34.94	11.45	46.17	100	270	Average

REMARKS:

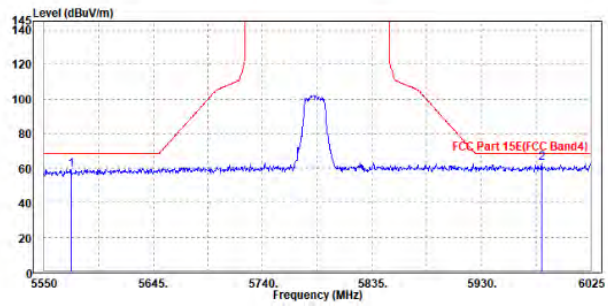
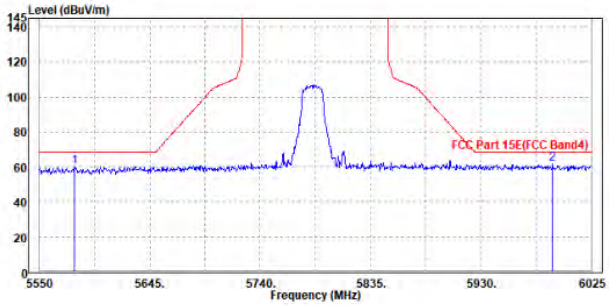
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5785MHz: Fundamental frequency.

OOBE DATA

802.11n (20MHZ)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV /m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5573.275	59.21	59.99	68.2	-8.99	34.89	10.56	46.23	300	187	Peak
5982.725	62.66	61.11	68.2	-5.54	35.38	12.28	46.11	300	187	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV /m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5579.925	60.17	61.11	68.2	-8.03	34.7	10.59	46.23	200	270	Peak
5991.75	61.5	60.1	68.2	-6.7	35.19	12.32	46.11	200	270	Peak

CH 157

Horiontal	Vertical
	

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5825	102.6	101.95	-	-	35.19	11.62	46.16	200	187	Peak
5825	96.23	95.58	-	-	35.19	11.62	46.16	200	187	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5825	107.16	106.71	-	-	34.99	11.62	46.16	100	270	Peak
5825	100.14	99.69	-	-	34.99	11.62	46.16	100	270	Average

REMARKS:

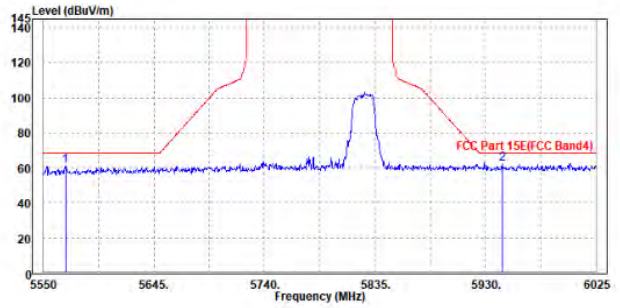
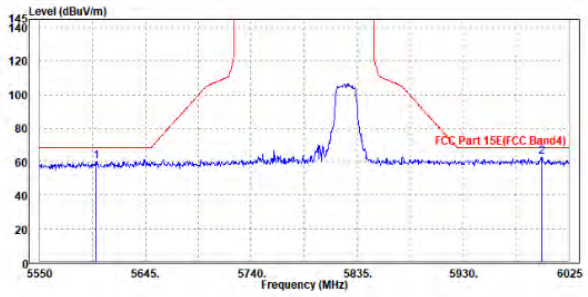
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5825MHz: Fundamental frequency.

OOBE DATA

802.11n (20MHZ)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5569	60.94	61.75	68.2	-7.26	34.88	10.54	46.23	300	187	Peak
5944.25	62.51	61.19	68.2	-5.69	35.33	12.12	46.13	300	187	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5600.825	60.23	61.05	68.2	-7.97	34.72	10.68	46.22	200	270	Peak
6000.3	62.85	61.41	68.2	-5.35	35.2	12.35	46.11	200	270	Peak

CH 165

Horiontal	Vertical
	

802.11n (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5755	95.95	95.7	-	-	35.11	11.32	46.18	190	187	Peak
5755	90.59	90.34	-	-	35.11	11.32	46.18	190	187	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5755	101.5	101.45	-	-	34.91	11.32	46.18	100	270	Peak
5755	95.87	95.82	-	-	34.91	11.32	46.18	100	270	Average

REMARKS:

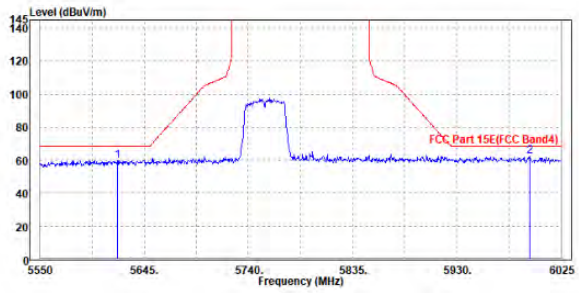
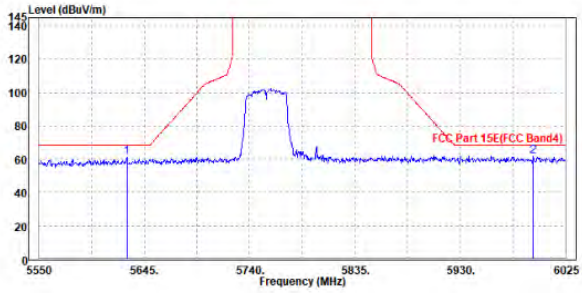
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5755MHz: Fundamental frequency.

OOBE DATA

802.11n (40MHZ)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5620.3	59.55	60.07	68.2	-8.65	34.94	10.76	46.22	290	187	Peak
5996.5	62.06	60.43	68.2	-6.14	35.4	12.34	46.11	290	187	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5629.325	60.98	61.63	68.2	-7.22	34.76	10.8	46.21	200	270	Peak
5996.025	61.86	60.44	68.2	-6.34	35.2	12.33	46.11	200	270	Peak

CH 151

Horiontal	Vertical
	

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5795	97.06	96.59	-	-	35.15	11.49	46.17	190	187	Peak
5795	91.69	91.22	-	-	35.15	11.49	46.17	190	187	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5795	101.13	100.86	-	-	34.95	11.49	46.17	100	270	Peak
5795	95.91	95.64	-	-	34.95	11.49	46.17	100	270	Average

REMARKS:

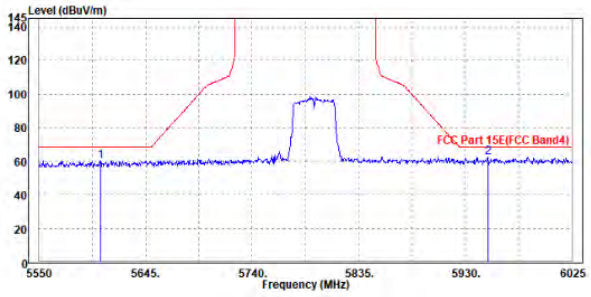
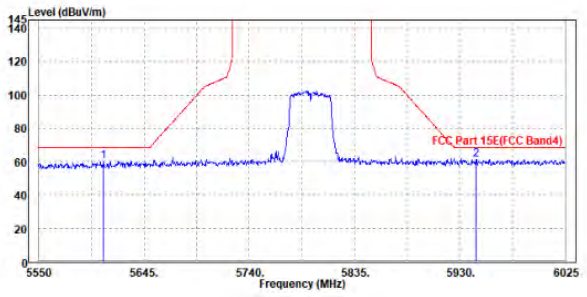
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5795MHz: Fundamental frequency.

OOBE DATA

802.11n (40MHZ)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5604.625	60.19	60.79	68.2	-8.01	34.93	10.69	46.22	290	187	Peak
5949.95	62.55	61.19	68.2	-5.65	35.34	12.14	46.12	290	187	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5608.425	60.16	60.94	68.2	-8.04	34.73	10.71	46.22	200	270	Peak
5944.725	61.42	60.3	68.2	-6.78	35.13	12.12	46.13	200	270	Peak

CH 159

Horiontal	Vertical
	

802.11ac (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5745	100.9	100.71	-	-	35.09	11.28	46.18	190	187	Peak
5745	94.98	94.79	-	-	35.09	11.28	46.18	190	187	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5745	106.69	106.7	-	-	34.89	11.28	46.18	100	270	Peak
5745	99.71	99.72	-	-	34.89	11.28	46.18	100	270	Average

REMARKS:

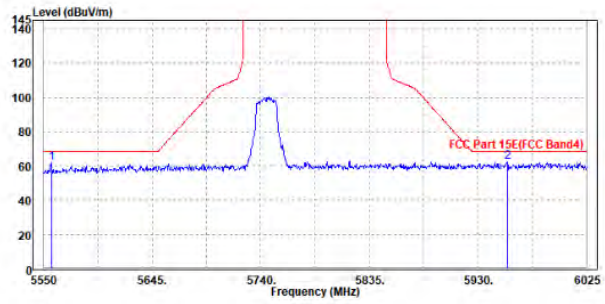
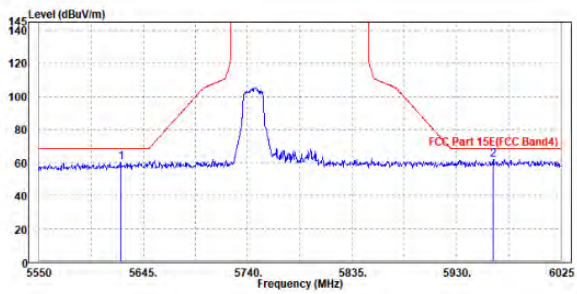
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5745MHz: Fundamental frequency.

OOBE DATA

802.11ac (20MHZ)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5556.65	61.76	62.63	68.2	-6.44	34.87	10.49	46.23	290	187	Peak
5955.65	62.05	60.66	68.2	-6.15	35.35	12.16	46.12	290	187	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5624.575	60.21	60.9	68.2	-7.99	34.75	10.78	46.22	200	270	Peak
5963.725	61.72	60.48	68.2	-6.48	35.16	12.2	46.12	200	270	Peak

CH 149

Horiontal	Vertical
	

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5785	101.17	100.75	-	-	35.14	11.45	46.17	190	187	Peak
5785	94.68	94.26	-	-	35.14	11.45	46.17	190	187	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5785	106.15	105.93	-	-	34.94	11.45	46.17	100	270	Peak
5785	99.92	99.7	-	-	34.94	11.45	46.17	100	270	Average

REMARKS:

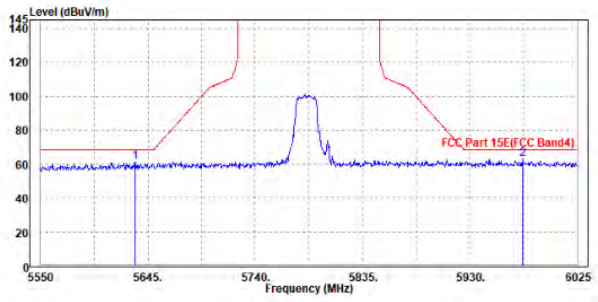
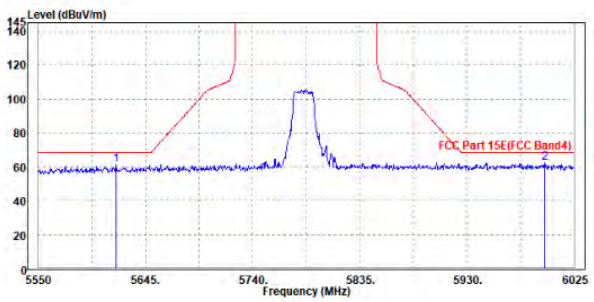
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5785MHz: Fundamental frequency.

OOBE DATA

802.11ac (20MHZ)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV /m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5633.6	61.3	61.73	68.2	-6.9	34.96	10.82	46.21	290	187	Peak
5977.025	62.94	61.44	68.2	-5.26	35.37	12.25	46.12	290	187	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV /m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5618.875	61.06	61.79	68.2	-7.14	34.74	10.75	46.22	290	187	Peak
5999.35	62.56	61.12	68.2	-5.64	35.2	12.35	46.11	290	187	Peak

CH 157

Horiontal	Vertical
	

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5825	102.09	101.44	-	-	35.19	11.62	46.16	190	187	Peak
5825	94.98	94.33	-	-	35.19	11.62	46.16	190	187	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5825	106.23	105.78	-	-	34.99	11.62	46.16	100	270	Peak
5825	99	98.55	-	-	34.99	11.62	46.16	100	270	Average

REMARKS:

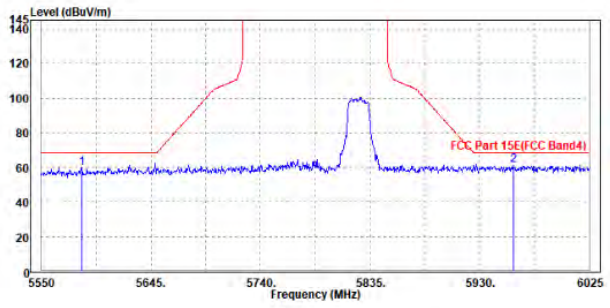
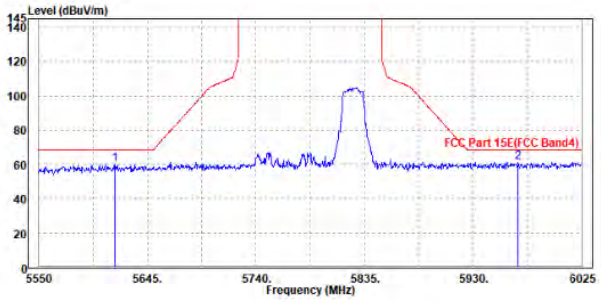
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5825MHz: Fundamental frequency.

OOBE DATA

802.11ac (20MHZ)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5585.15	59.72	60.44	68.2	-8.48	34.9	10.61	46.23	290	187	Peak
5958.975	61.03	59.62	68.2	-7.17	35.35	12.18	46.12	290	187	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5616.5	59.89	60.63	68.2	-8.31	34.74	10.74	46.22	200	270	Peak
5969.425	61.03	59.77	68.2	-7.17	35.16	12.22	46.12	200	270	Peak

CH 165

Horiontal	Vertical
	

802.11ac (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5755	93.69	93.44	-	-	35.11	11.32	46.18	190	187	Peak
5755	89.47	89.22	-	-	35.11	11.32	46.18	190	187	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5755	101.23	101.18	-	-	34.91	11.32	46.18	190	187	Peak
5755	95.71	95.66	-	-	34.91	11.32	46.18	190	187	Average

REMARKS:

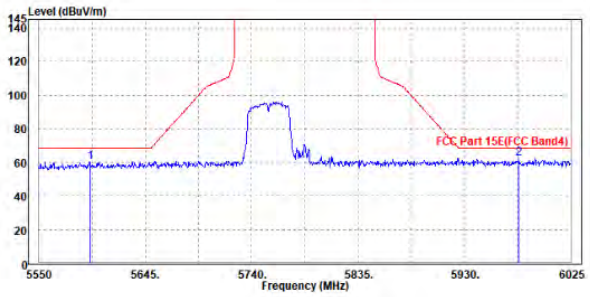
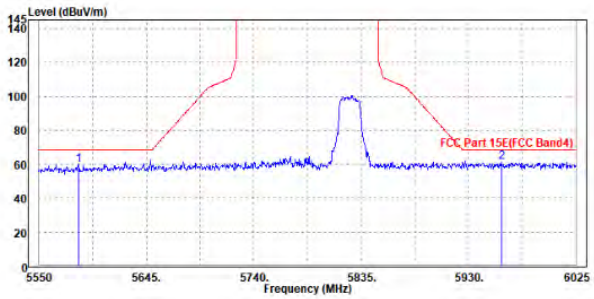
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5755MHz: Fundamental frequency.

OOBE DATA

802.11ac (40MHZ)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5595.6	60.05	60.7	68.2	-8.15	34.91	10.66	46.22	290	187	Peak
5978.45	62.15	60.64	68.2	-6.05	35.37	12.26	46.12	290	187	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5613.65	59.33	60.08	68.2	-8.87	34.74	10.73	46.22	290	187	Peak
6006.95	62.37	60.92	68.2	-5.83	35.21	12.35	46.11	290	187	Peak

CH 151

Horiontal	Vertical
	

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5795	95.42	94.95	-	-	35.15	11.49	46.17	190	187	Peak
5795	91.42	90.95	-	-	35.15	11.49	46.17	190	187	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5795	100.2	99.93	-	-	34.95	11.49	46.17	100	270	Peak
5795	95.04	94.77	-	-	34.95	11.49	46.17	100	270	Average

REMARKS:

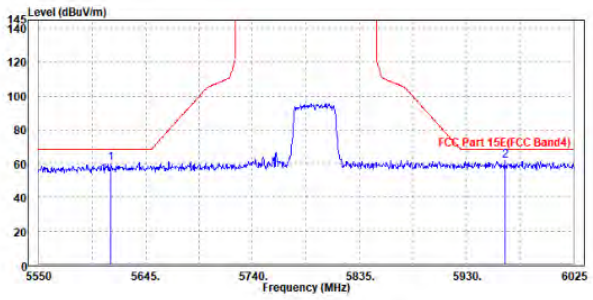
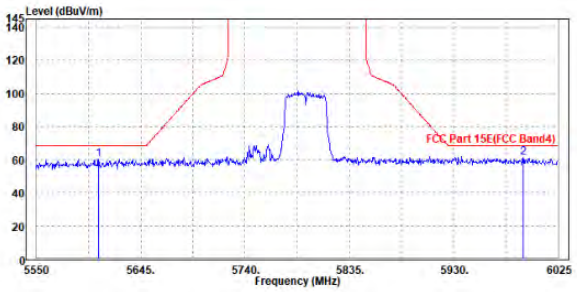
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5795MHz: Fundamental frequency.

OOBE DATA

802.11ac (40MHZ)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5614.125	59.83	60.38	68.2	-8.37	34.94	10.73	46.22	290	187	Peak
5964.2	61.84	60.4	68.2	-6.36	35.36	12.2	46.12	290	187	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5606.525	59.96	60.75	68.2	-8.24	34.73	10.7	46.22	200	270	Peak
5993.175	61.39	59.99	68.2	-6.81	35.19	12.32	46.11	200	270	Peak

CH 159

Horiontal	Vertical
	

802.11ac (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5775	92.16	91.79	-	-	35.13	11.41	46.17	190	187	Peak
5775	89.56	89.19	-	-	35.13	11.41	46.17	190	187	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	**EMISSION LEVEL (dBuV/m)**	**READ LEVEL (dBuV)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA FACTOR (dB /m)**	**CABLE LOSS (dB)**	**PREAMP FACTOR (dB)**	**ANTENNA HEIGHT (cm)**	**TABLE ANGLE (Degree)**	**REMARK**
5775	97.95	97.78	-	-	34.93	11.41	46.17	100	270	Peak
5775	93.82	93.65	-	-	34.93	11.41	46.17	100	270	Average

REMARKS:

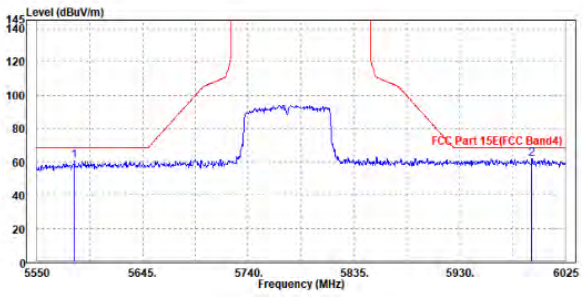
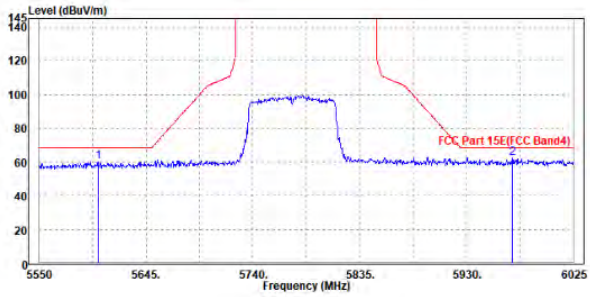
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 5775MHz: Fundamental frequency.

OOBE DATA

802.11ac (80MHZ)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5583.725	60.71	61.43	68.2	-7.49	34.9	10.61	46.23	290	187	Peak
5995.075	61.88	60.27	68.2	-6.32	35.39	12.33	46.11	290	187	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5602.25	60.36	61.18	68.2	-7.84	34.72	10.68	46.22	200	270	Peak
5970.85	62.29	61.01	68.2	-5.91	35.17	12.23	46.12	200	270	Peak

CH 155

Horiontal	Vertical
	

3.2 OUT OF BAND EMISSION MEASUREMENT

3.2.1 LIMITS OF OUT OF BAND EMISSION MEASUREMENT

	APPLICABLE TO	EIRP LIMIT (dBm/MHz)
OUT OF THE RESTRICTED BANDS	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
10dB Attenuator	JFW/USA	50HF-010-SMA	1505	Jun. 02,22	Jun. 01,23
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	Jun. 03,21	Jun. 02,22
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	Jun. 02,22	Jun. 01,23

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

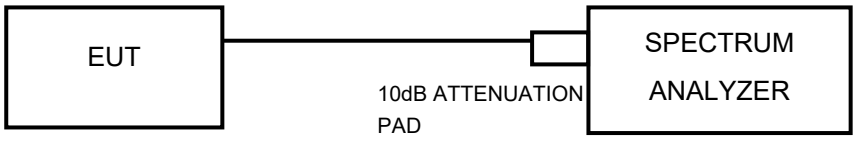
a. Cheak the calibration of the measurement instrument using either an internal calibrator or a known signal from an external generator.
b. The resolution bandwidth is set to 1MHzThe Video bandwidth is set to ≥1MHz,report the peak value out of oprating band.
c. Repeat above procedures until all frequencies measured wre 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 1 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
EMI Test Receiver	Rohde&Schwarz	ESR3	101900	Mar. 03,22	Mar. 02,23
EMC32 test software	Rohde&Schwarz	EMC32	NA	NA	NA
LISN network	Rohde&Schwarz	ENV216	101922	Feb. 25,21	Feb. 24,22
LISN network	Rohde&Schwarz	ENV216	101922	Feb. 25,22	Feb. 24,23

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.

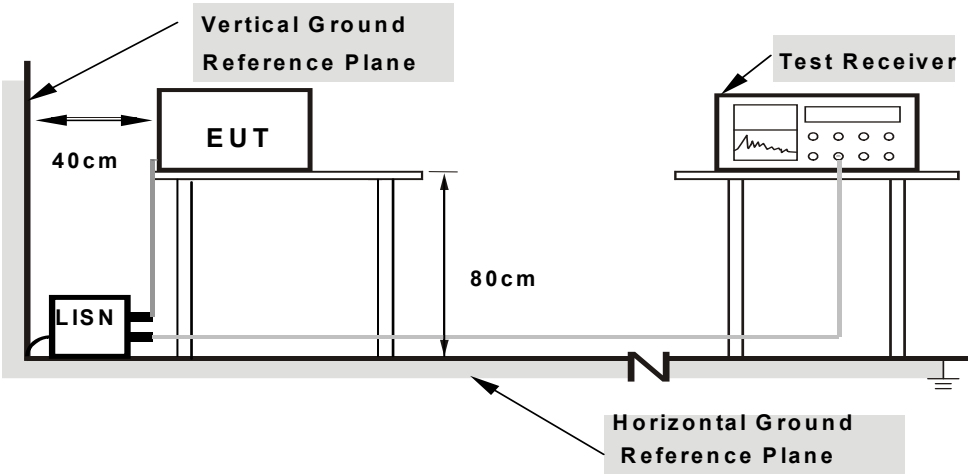
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

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.

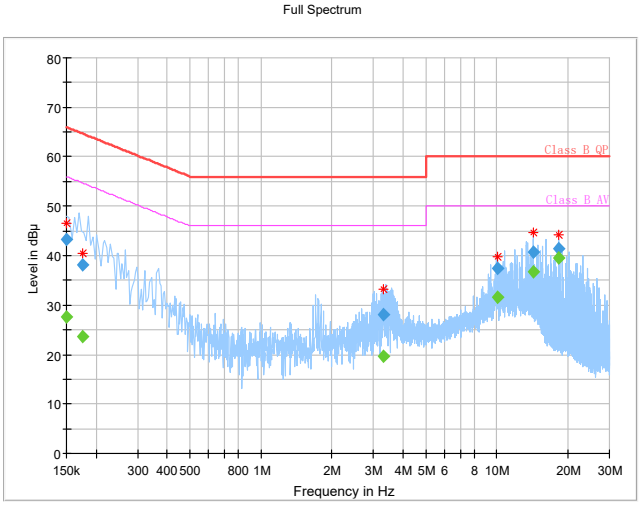
3.3.7 TEST RESULTS

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)
0.150000	---	27.53	56.00	28.47	L1	ON	9.7
0.150000	43.17	---	66.00	22.83	L1	ON	9.7
0.176000	---	23.66	54.67	31.01	L1	ON	9.7
0.176000	38.18	---	64.67	26.49	L1	ON	9.7
3.324000	---	19.69	46.00	26.31	L1	ON	9.7
3.324000	27.96	---	56.00	28.04	L1	ON	9.7
10.060000	---	31.64	50.00	18.36	L1	ON	9.8
10.060000	37.42	---	60.00	22.58	L1	ON	9.8
14.212000	---	36.70	50.00	13.30	L1	ON	9.8
14.212000	40.76	---	60.00	19.24	L1	ON	9.8
18.244000	---	39.42	50.00	10.58	L1	ON	9.8
18.244000	41.43	---	60.00	18.57	L1	ON	9.8

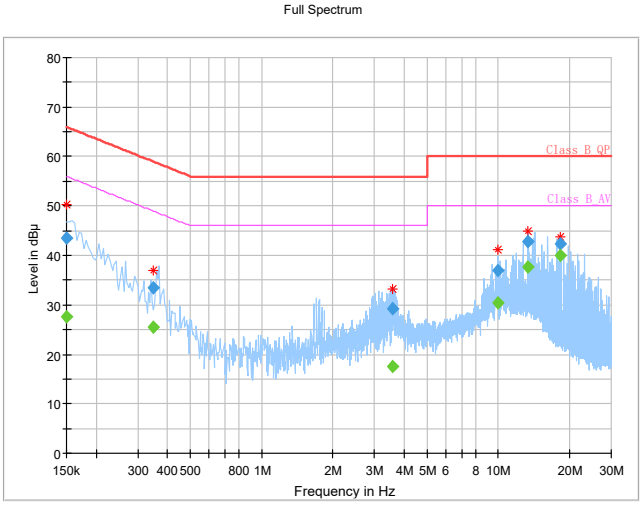
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Limit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



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	---	27.61	56.00	28.39	N	ON	9.7
0.150000	43.50	---	66.00	22.50	N	ON	9.7
0.348000	---	25.49	49.01	23.52	N	ON	9.7
0.348000	33.52	---	59.01	25.49	N	ON	9.7
3.568000	---	17.66	46.00	28.34	N	ON	9.8
3.568000	29.18	---	56.00	26.82	N	ON	9.8
9.940000	---	30.38	50.00	19.62	N	ON	9.8
9.940000	36.87	---	60.00	23.13	N	ON	9.8
13.420000	---	37.66	50.00	12.34	N	ON	9.8
13.420000	42.74	---	60.00	17.26	N	ON	9.8
18.244000	---	39.90	50.00	10.10	N	ON	9.9
18.244000	42.42	---	60.00	17.58	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.



3.4 MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

3.4.1 LIMITS OF MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

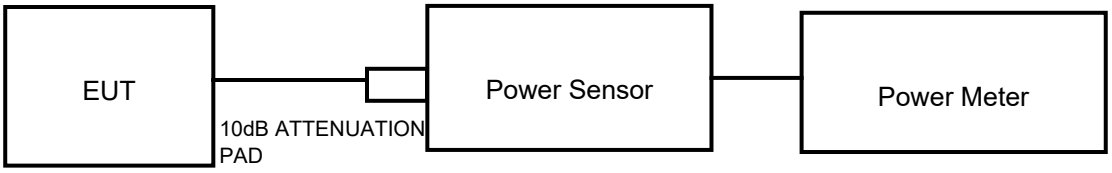
Operation Band	EUT Category		LIMIT
U-NII-1		Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p ≦ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
		Fixed point-to-point Access Point	1 Watt (30 dBm)
	B	Indoor Access Point	1 Watt (30 dBm)
	√	Client devices	250mW (24 dBm)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

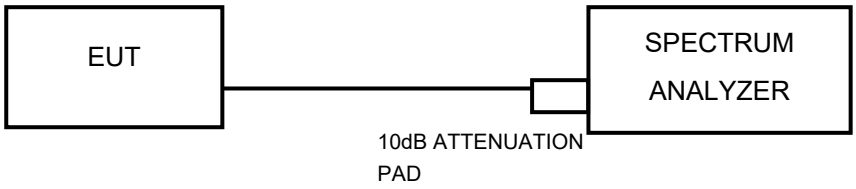
3.4.2 TEST SETUP

FOR POWER OUTPUT MEASUREMENT

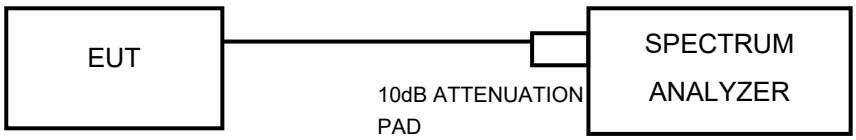
802.11a, 802.11n (20MHz), 802.11n (40MHz) TEST CONFIGURATION



11ac TEST CONFIGURATION



FOR 26dB BANDWIDTH



3.4.3 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Power Meter	ANRITSU	ML2495A	1506002	Feb. 22,21	Feb. 21,22
Power Meter	ANRITSU	ML2495A	1506002	Feb. 22,22	Feb. 21,23
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	Jun. 03,21	Jun. 02,22
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	Jun. 02,22	Jun. 01,23
Power Sensor	ANRITSU	MA2411B	1339352	May. 07,21	May. 08,22
Power Sensor	ANRITSU	MA2411B	1339352	May. 08,22	May. 07,23

NOTE:

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

3.4.4 TEST PROCEDURE

FOR POWER MEASUREMENT

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

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

For 802.11ac (80MHz)

1. Measure the duty cycle, x, of the transmitter output signal as described in II.B.
2. Set span to encompass the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal.
3. Set RBW = 1 MHz.
4. Set VBW ≥ 3 MHz.
5. Number of points in sweep ≥ 2 × span / RBW. (This ensures that bin-to-bin spacing is ≤ 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 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 ≥ 3 · RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

FOR 26dB BANDWIDTH

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

FOR 6dB BANDWIDTH

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

3.4.5 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.

3.4.7 TEST RESULTS

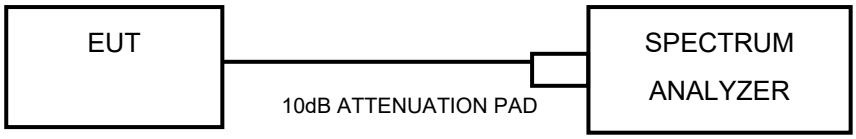
Please Refer to Appendix 1 of this test report.

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 3.2.2 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 ≥ 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.

3.5.7 TEST RESULTS

Please Refer to Appendix 1 of this test report.

4 PHOTOGRAPHS OF THE TEST CONFIGURATION

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

5 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

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

APPENDIX 1:

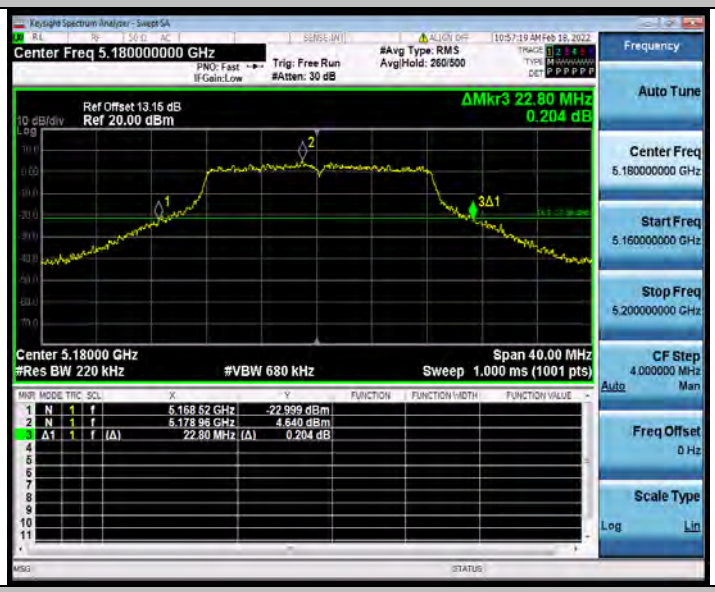
EMISSION BANDWIDTH

TEST RESULT

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	22.800	5168.520	5191.320	---	PASS
		5200	22.360	5188.840	5211.200	---	PASS
		5240	22.960	5228.800	5251.760	---	PASS
		5260	22.360	5248.960	5271.320	---	PASS
		5280	22.400	5268.800	5291.200	---	PASS
		5320	22.880	5308.560	5331.440	---	PASS
		5500	22.000	5489.160	5511.160	---	PASS
		5580	22.400	5569.120	5591.520	---	PASS
		5700	22.280	5689.120	5711.400	---	PASS
		5745	22.760	5734.120	5756.880	---	PASS
		5785	22.080	5774.160	5796.240	---	PASS
		5825	22.360	5814.160	5836.520	---	PASS
11N20SISO	Ant1	5180	23.640	5168.080	5191.720	---	PASS
		5200	24.720	5188.040	5212.760	---	PASS
		5240	23.000	5228.480	5251.480	---	PASS
		5260	23.000	5249.000	5272.000	---	PASS
		5280	23.560	5268.160	5291.720	---	PASS
		5320	22.880	5309.040	5331.920	---	PASS
		5500	22.720	5488.880	5511.600	---	PASS
		5580	23.200	5568.840	5592.040	---	PASS
		5700	22.680	5688.640	5711.320	---	PASS
		5745	22.800	5733.880	5756.680	---	PASS
		5785	22.240	5774.160	5796.400	---	PASS
		5825	22.480	5814.080	5836.560	---	PASS
11N40SISO	Ant1	5190	41.200	5169.680	5210.880	---	PASS
		5230	41.280	5209.440	5250.720	---	PASS

		5270	41.520	5249.440	5290.960	---	PASS
		5310	41.200	5289.600	5330.800	---	PASS
		5510	41.360	5489.520	5530.880	---	PASS
		5550	41.120	5529.760	5570.880	---	PASS
		5670	41.360	5649.520	5690.880	---	PASS
		5755	41.760	5734.440	5776.200	---	PASS
		5795	41.520	5774.600	5816.120	---	PASS
11AC20SISO	Ant1	5180	23.640	5168.120	5191.760	---	PASS
		5200	23.320	5188.280	5211.600	---	PASS
		5240	22.440	5228.880	5251.320	---	PASS
		5260	24.160	5247.920	5272.080	---	PASS
		5280	22.800	5268.600	5291.400	---	PASS
		5320	23.080	5308.520	5331.600	---	PASS
		5500	23.520	5488.560	5512.080	---	PASS
		5580	23.200	5568.240	5591.440	---	PASS
		5700	22.840	5688.600	5711.440	---	PASS
		5745	22.760	5733.800	5756.560	---	PASS
		5785	23.400	5773.320	5796.720	---	PASS
		5825	22.480	5813.880	5836.360	---	PASS
11AC40SISO	Ant1	5190	41.520	5169.760	5211.280	---	PASS
		5230	41.520	5209.440	5250.960	---	PASS
		5270	41.360	5249.360	5290.720	---	PASS
		5310	41.440	5289.520	5330.960	---	PASS
		5510	40.560	5490.080	5530.640	---	PASS
		5550	41.360	5529.440	5570.800	---	PASS
		5670	41.280	5649.600	5690.880	---	PASS
		5755	41.200	5734.680	5775.880	---	PASS
		5795	41.040	5774.680	5815.720	---	PASS
11AC80SISO	Ant1	5210	84.160	5167.920	5252.080	---	PASS
		5290	83.360	5248.880	5332.240	---	PASS
		5530	84.000	5488.400	5572.400	---	PASS
		5610	84.640	5567.600	5652.240	---	PASS
		5775	84.160	5733.240	5817.400	---	PASS

TEST GRAPHS

11A_Ant1_5180

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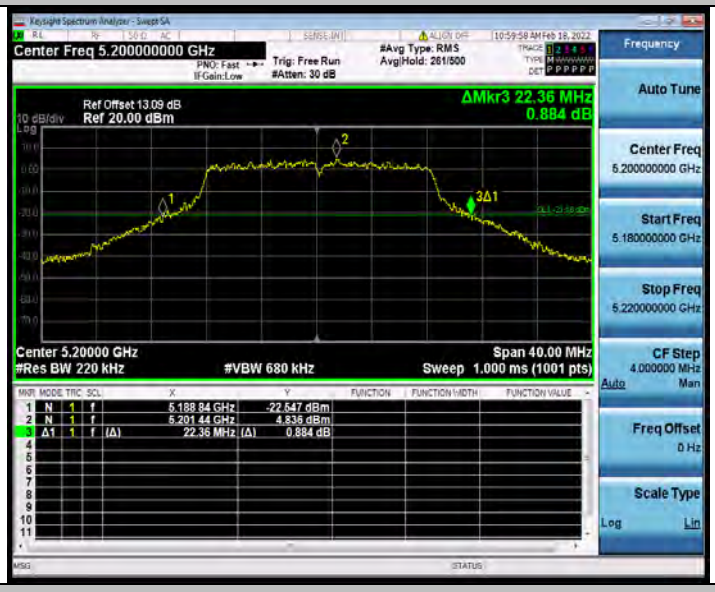
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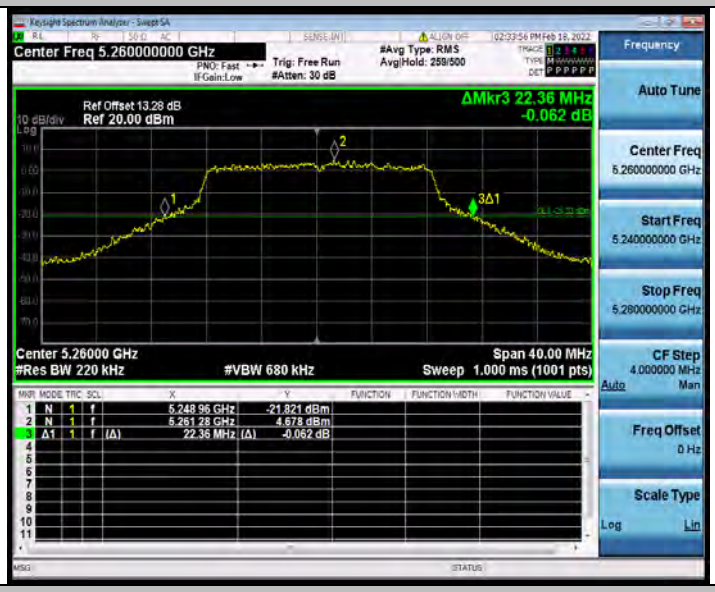
11A_Ant1_5260



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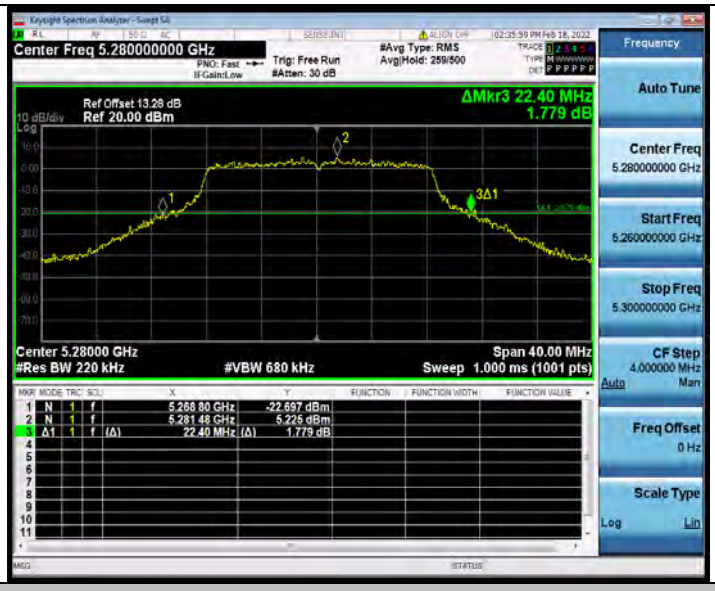

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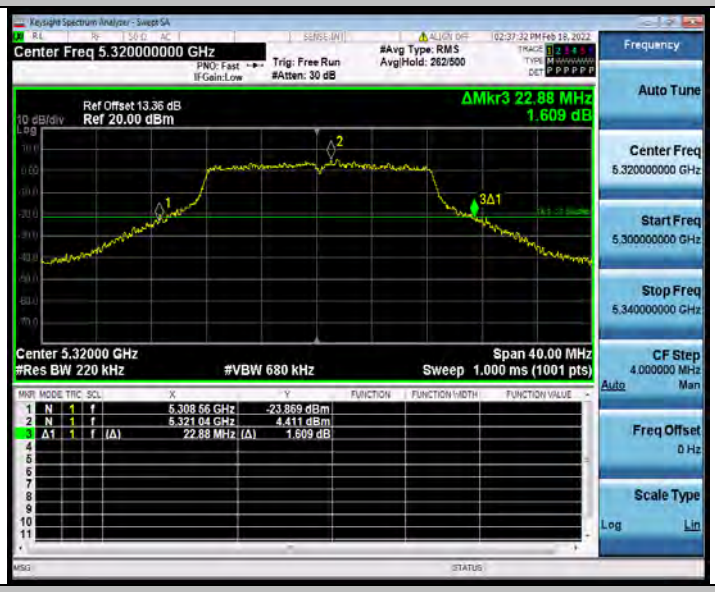

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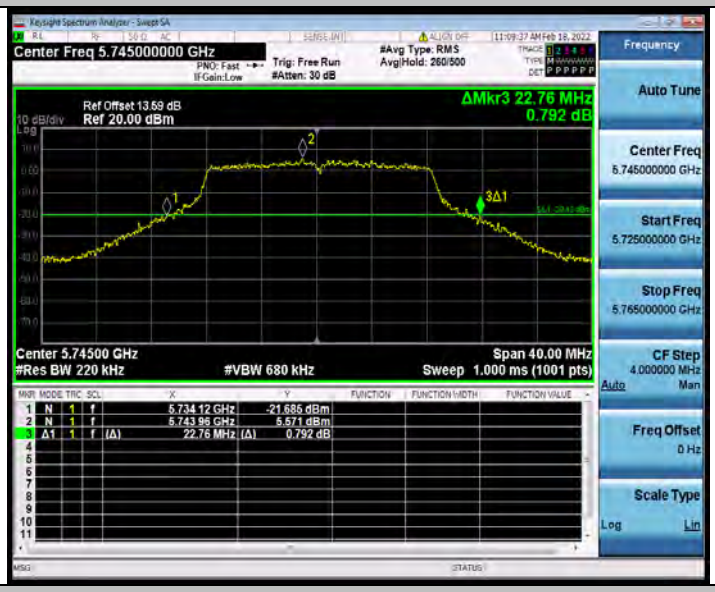
11A_Ant1_5580

11A_Ant1_5700

11A_Ant1_5745



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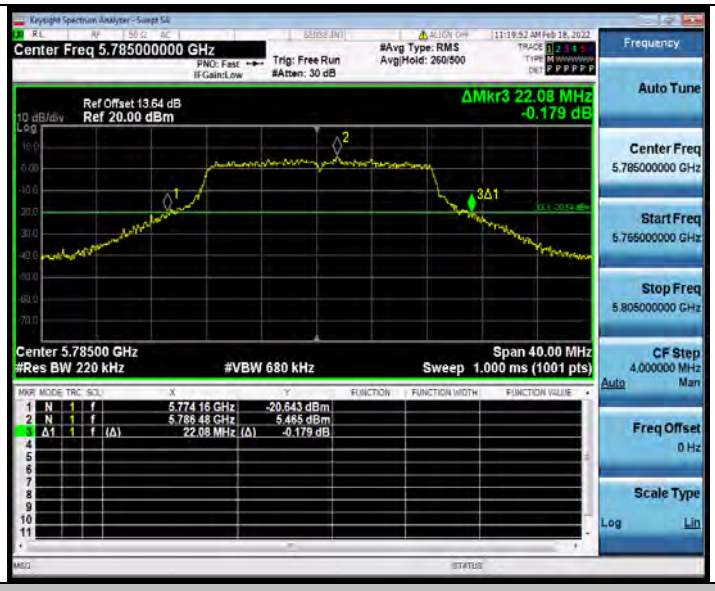

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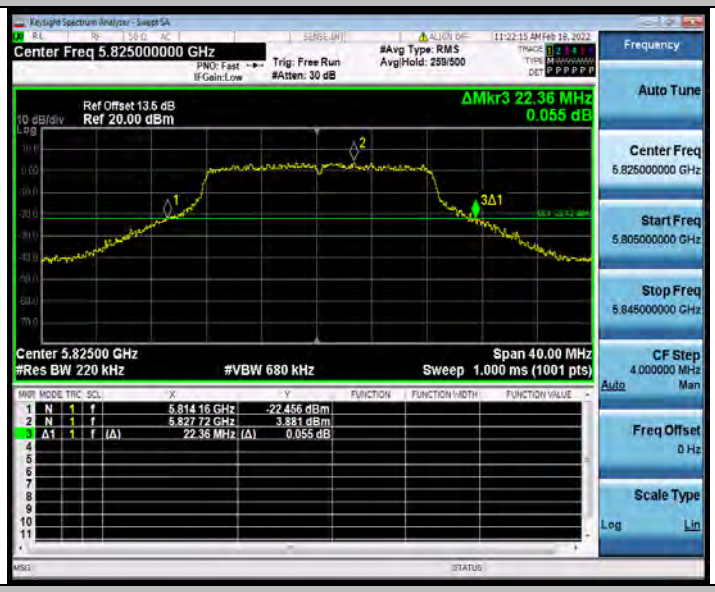

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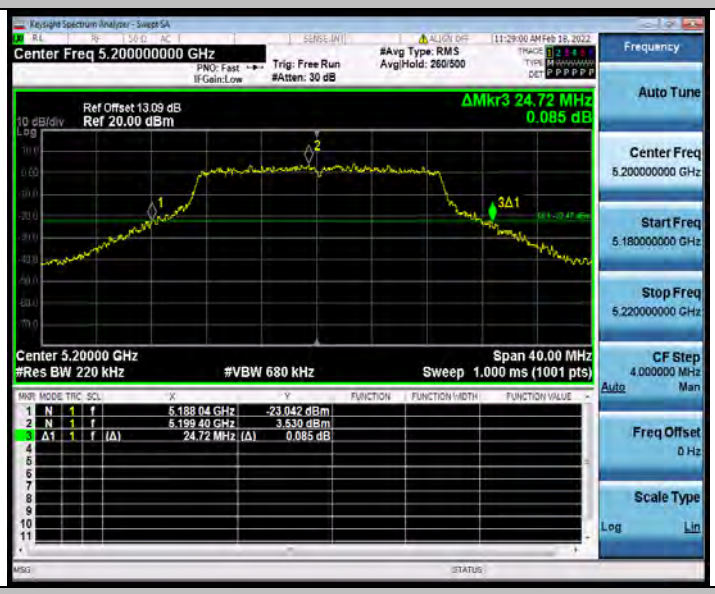

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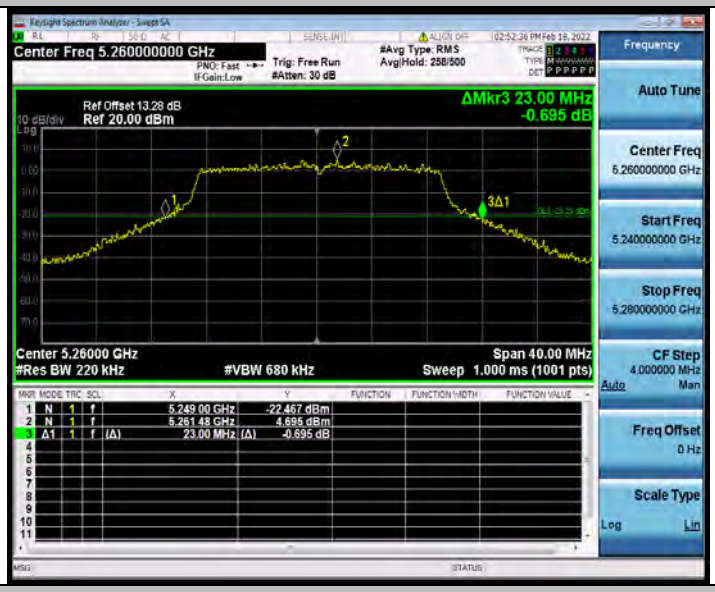

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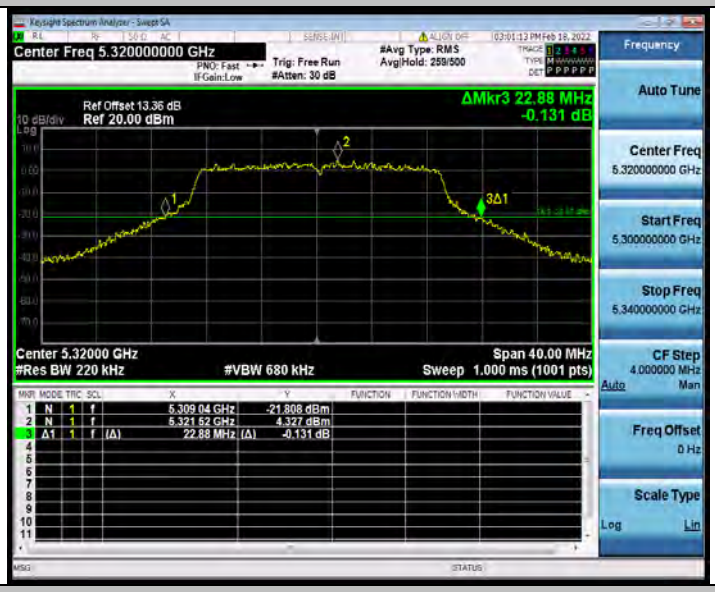

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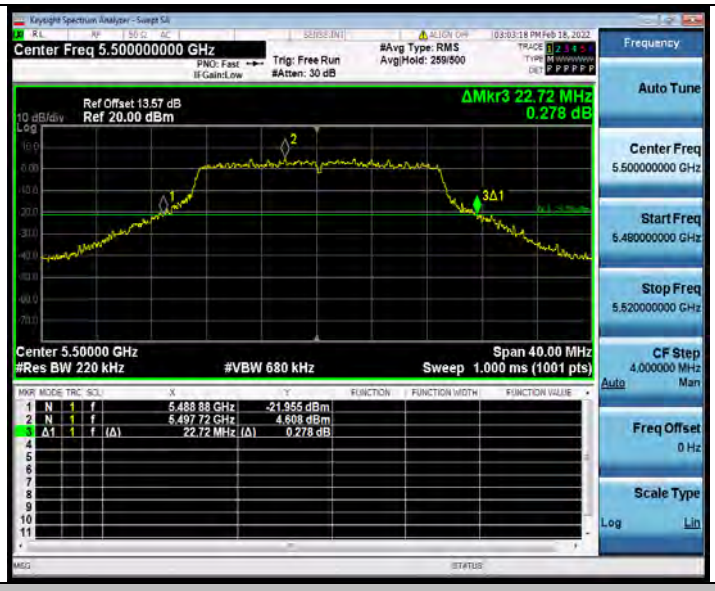

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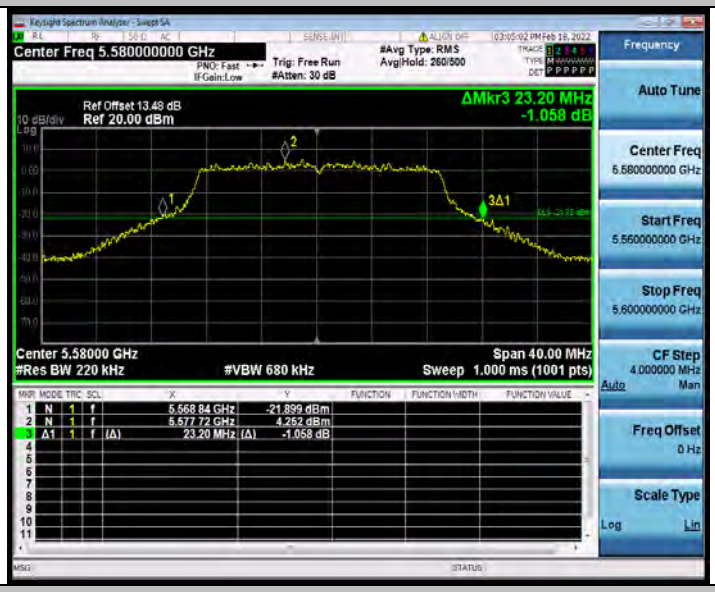
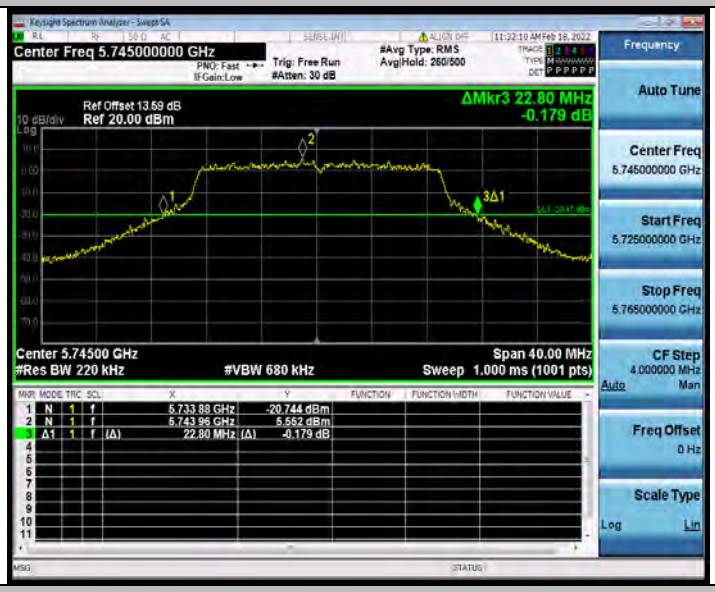


11N20SISO_Ant1_5700

11N20SISO_Ant1_5745



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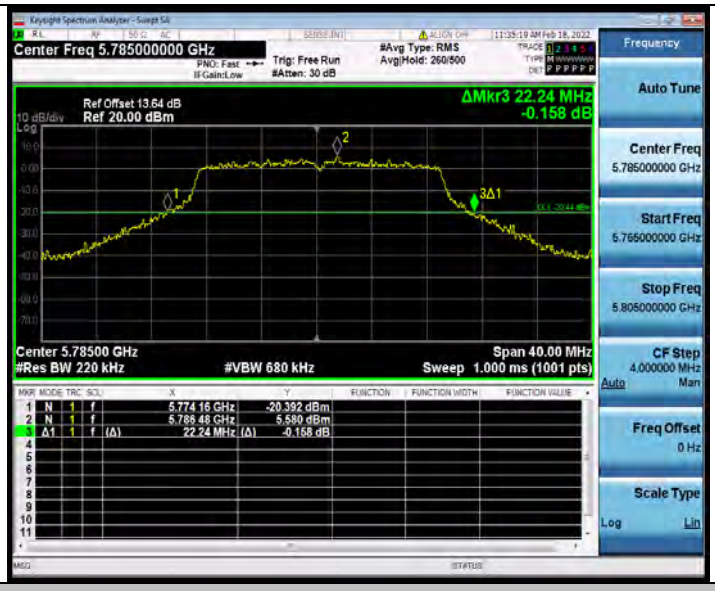

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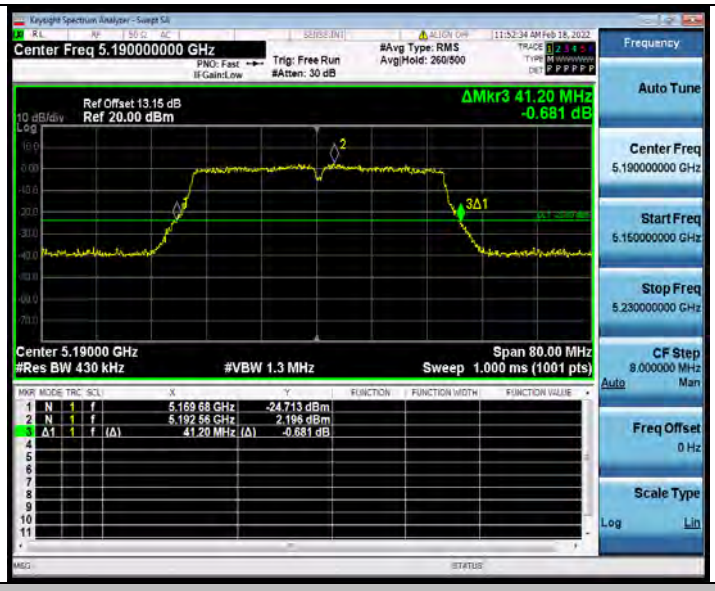

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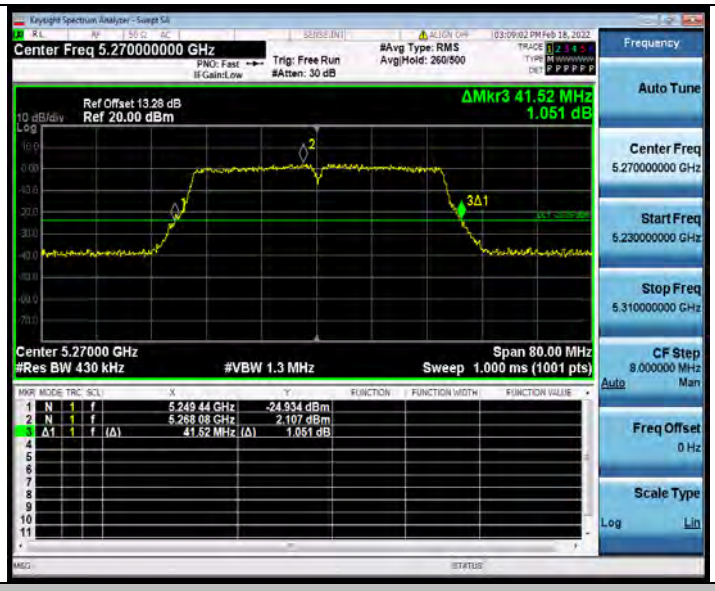
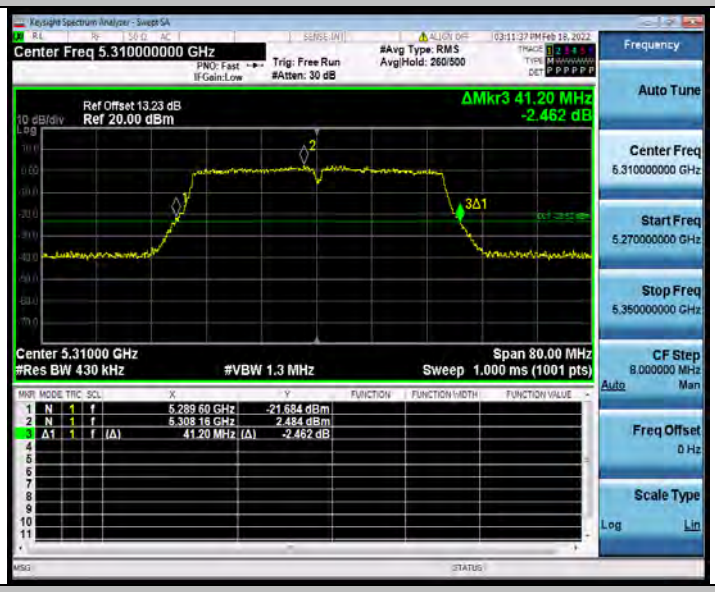
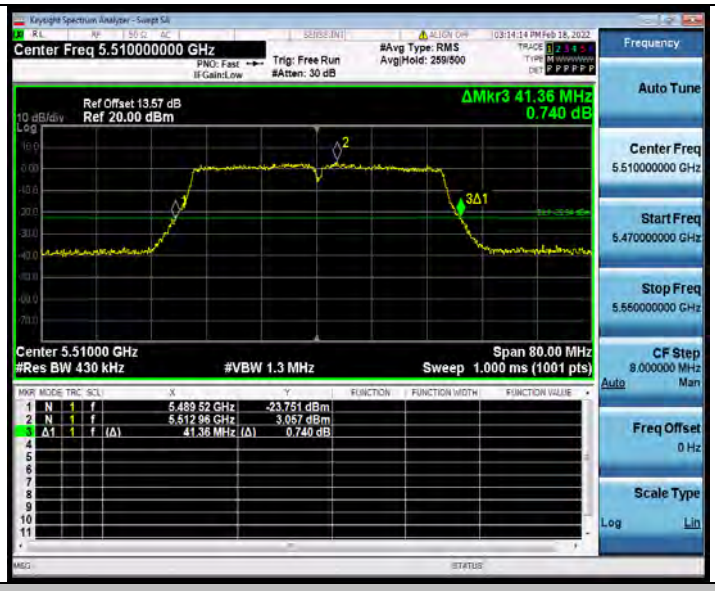


11N40SISO_Ant1_5310

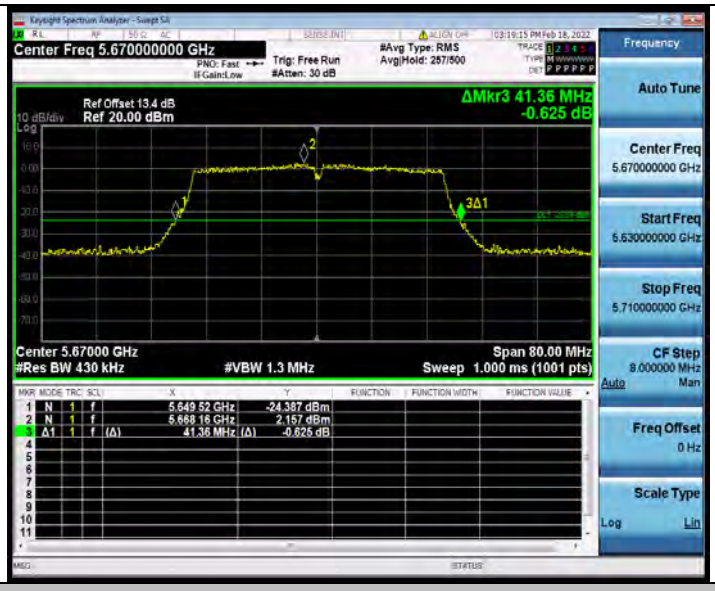


11N40SISO_Ant1_5510

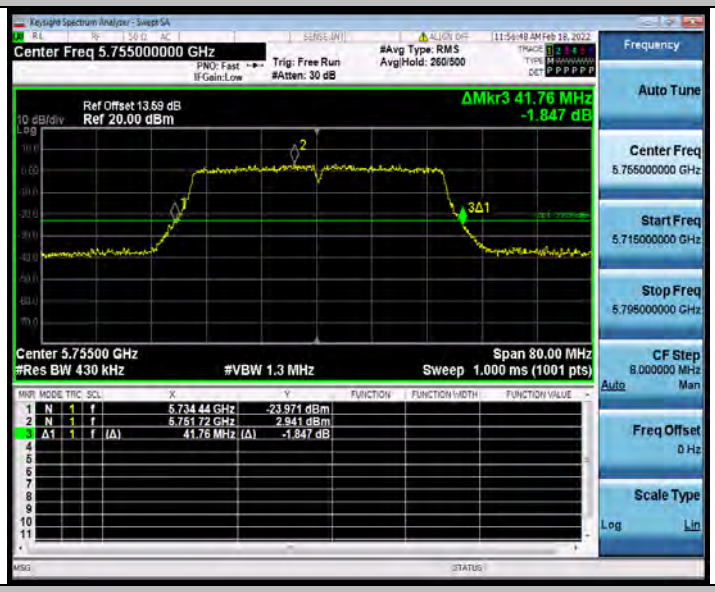


11N40SISO_Ant1_5550

11N40SISO_Ant1_5670

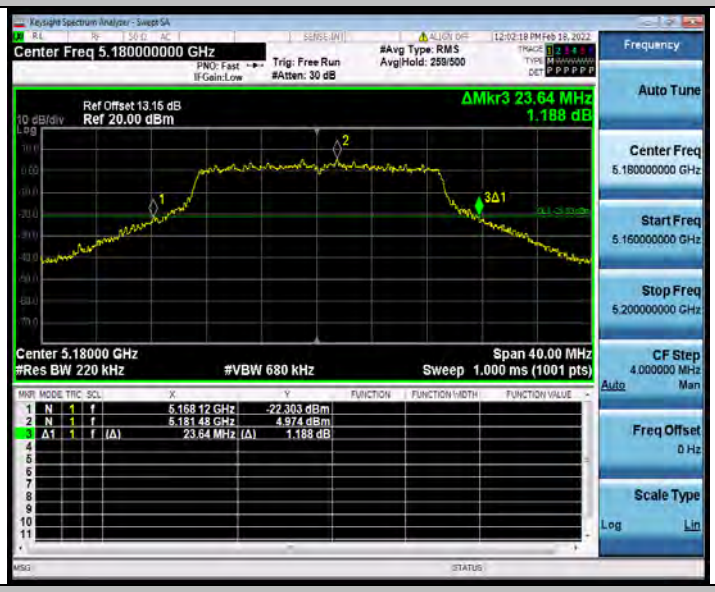


11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

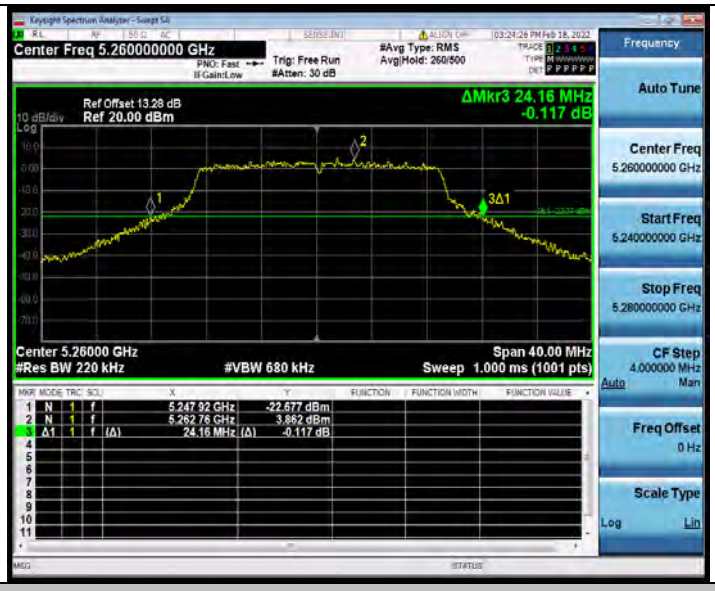
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200

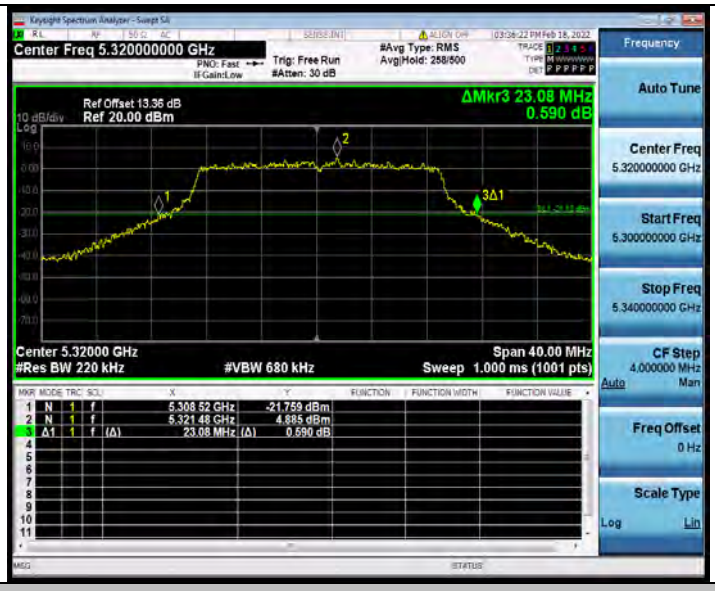
11AC20SISO_Ant1_5240

11AC20SISO_Ant1_5260

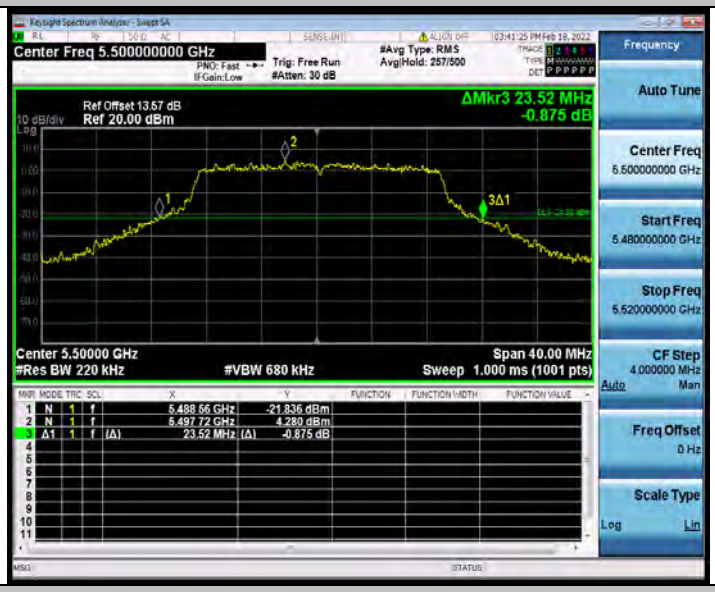


11AC20SISO_Ant1_5280

11AC20SISO_Ant1_5320



11AC20SISO_Ant1_5500

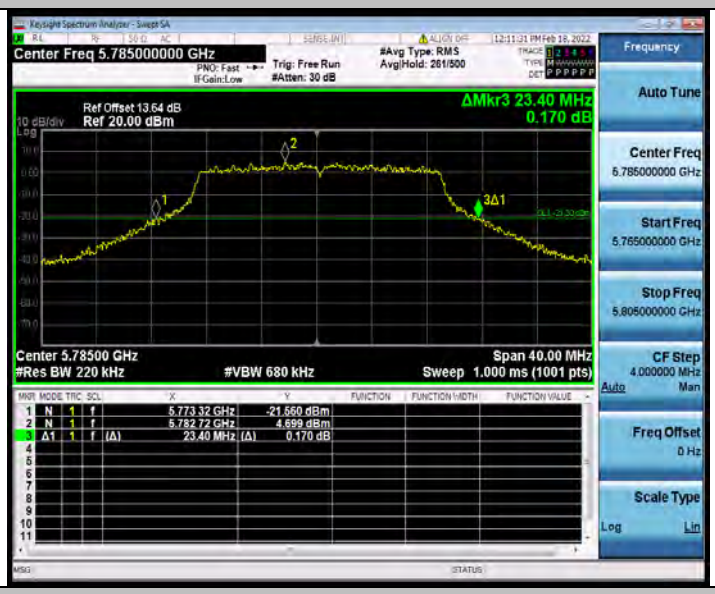


11AC20SISO_Ant1_5580

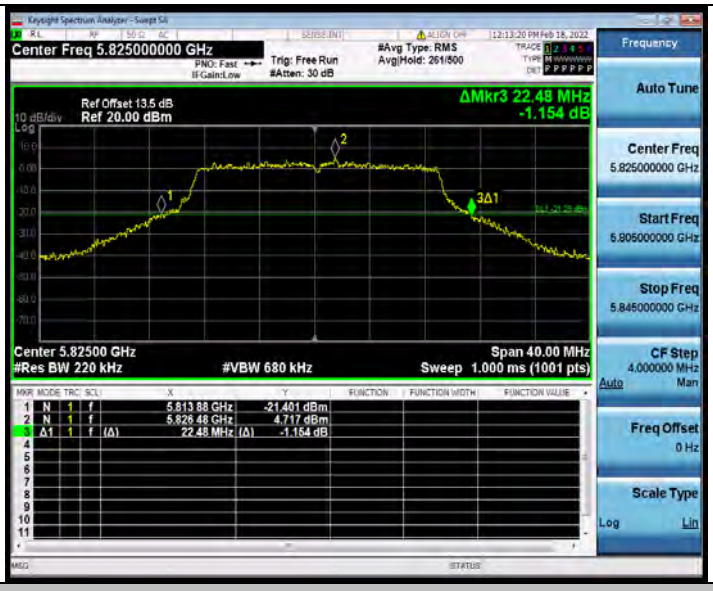
11AC20SISO_Ant1_5700

11AC20SISO_Ant1_5745

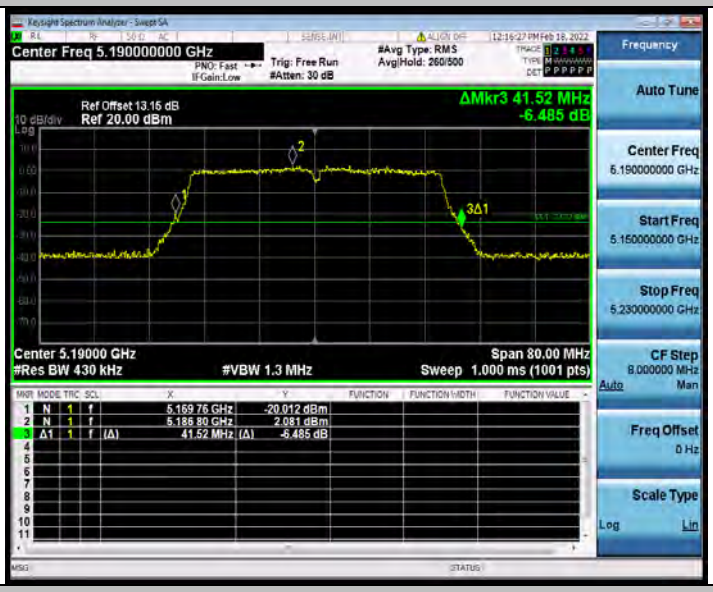
11AC20SISO_Ant1_5785



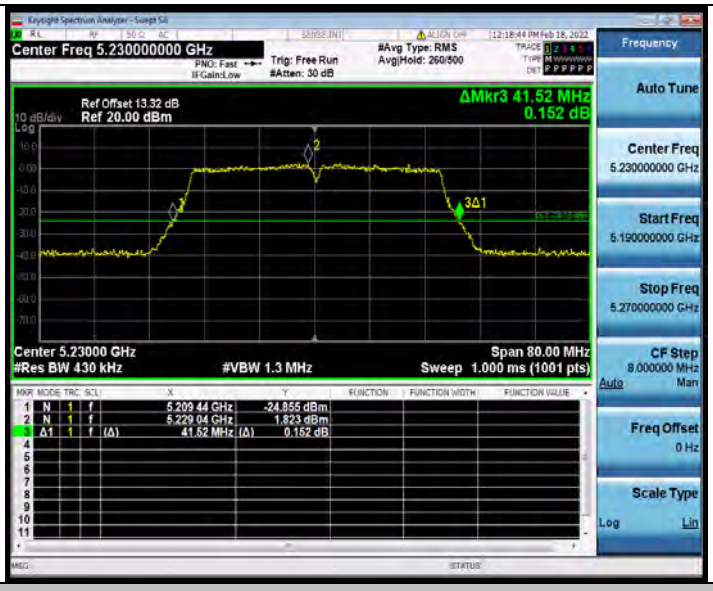
11AC20SISO_Ant1_5825



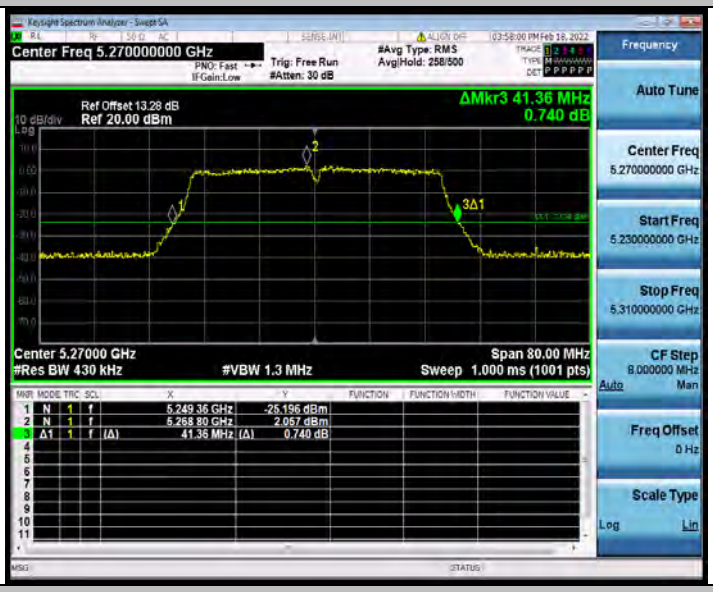
11AC40SISO_Ant1_5190



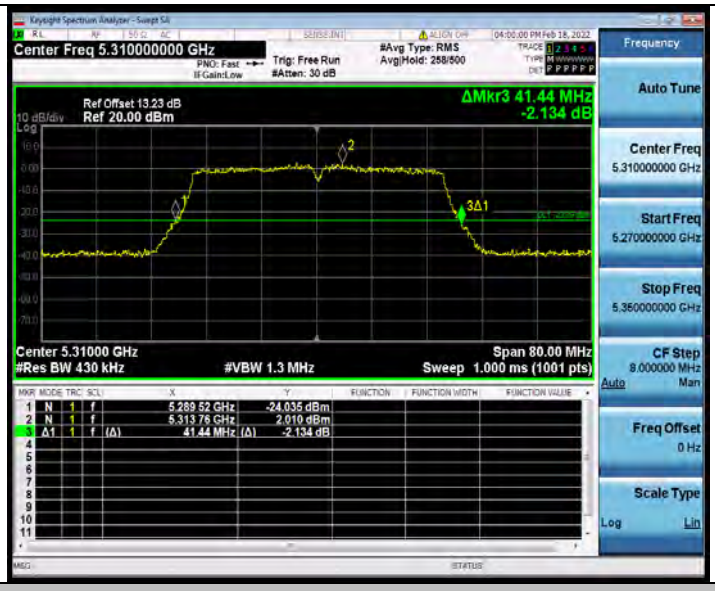
11AC40SISO_Ant1_5230



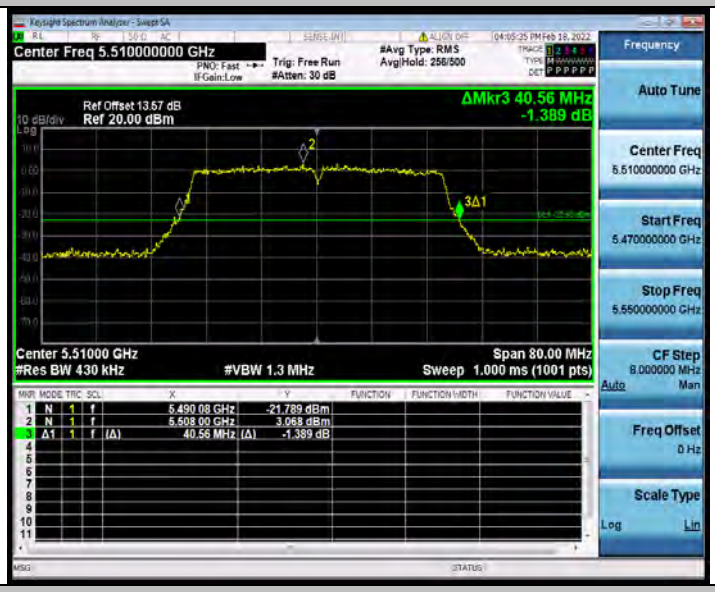
11AC40SISO_Ant1_5270



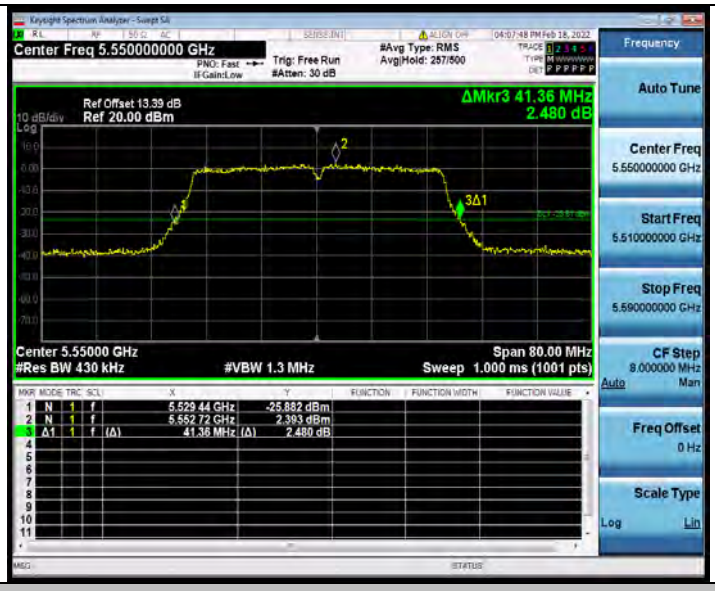
11AC40SISO_Ant1_5310



11AC40SISO_Ant1_5510



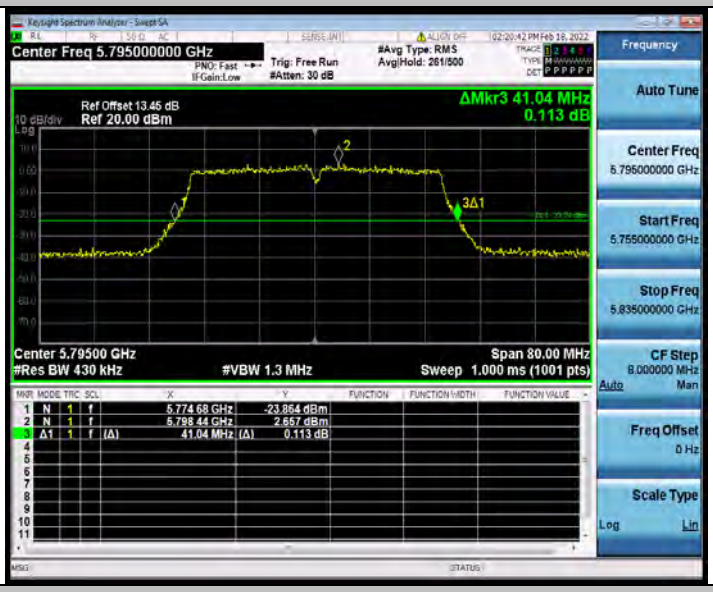
11AC40SISO_Ant1_5550



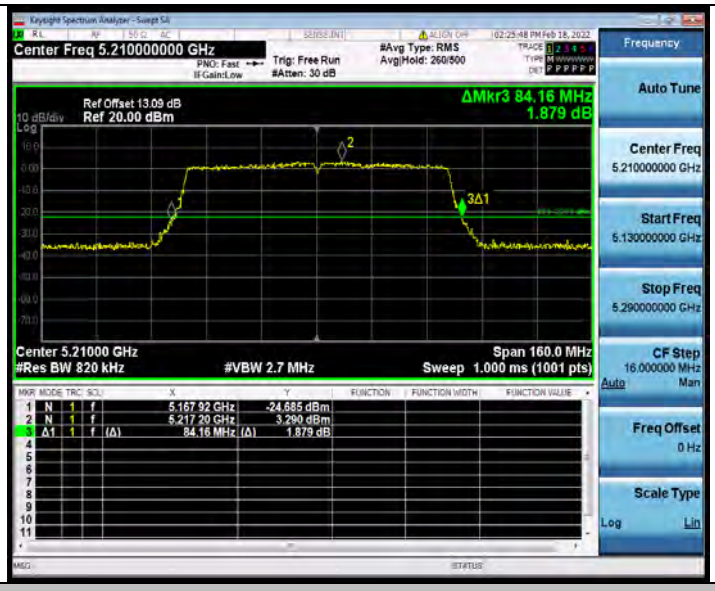
11AC40SISO_Ant1_5670

11AC40SISO_Ant1_5755

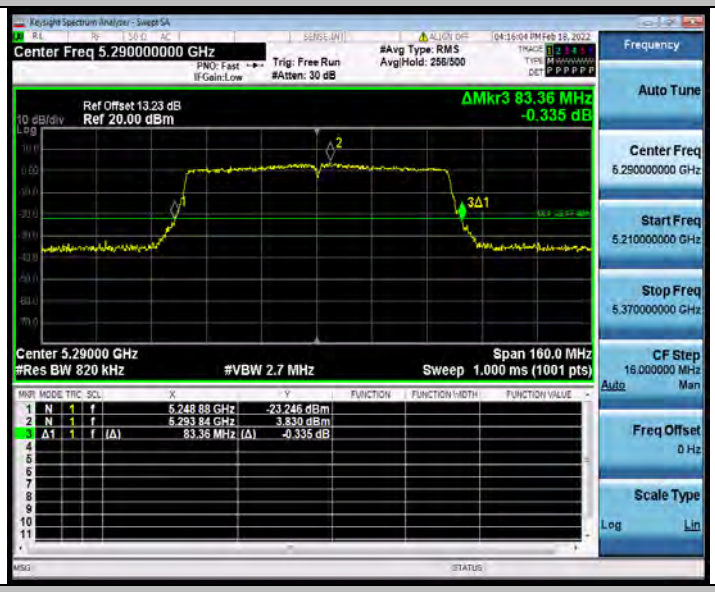
11AC40SISO_Ant1_5795



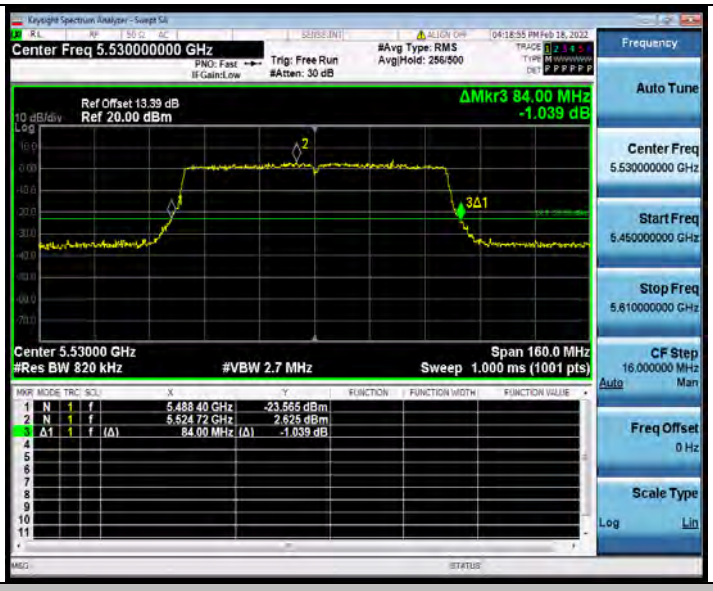
11AC80SISO_Ant1_5210



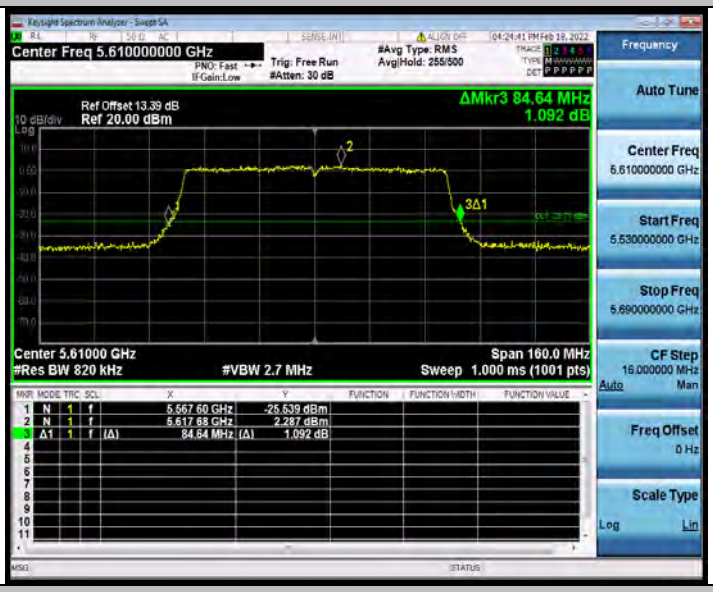
11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



11AC80SISO_Ant1_5775


Center Freq 5.775000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 261/500
02:28:47 PM Feb 18, 2022
Ref Offset 13.64 dB
10 dB/div
Ref 20.00 dBm
ΔMkr3 84.16 MHz
-1.229 dB
Center 5.77500 GHz
#Res BW 820 kHz
#VBW 2.7 MHz
Span 160.0 MHz
Sweep 1.000 ms (1001 pts)
1 N 1 f 5.733 24 GHz -22.523 dBm
2 N 1 f 5.779 48 GHz 4.257 dBm
3 Δ1 1 f (Δ) 84.16 MHz (Δ) -1.229 dB
Frequency
Auto Tune
Center Freq
5.775000000 GHz
Start Freq
5.695000000 GHz
Stop Freq
5.855000000 GHz
CF Step
16.000000 MHz
Auto
Man
Freq Offset
0 Hz
Scale Type
Log
Lin

OCCUPIED CHANNEL BANDWIDTH

TEST RESULT

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.008	5171.706	5188.714	---	PASS
		5200	17.027	5191.709	5208.736	---	PASS
		5240	16.968	5231.730	5248.698	---	PASS
		5260	17.031	5251.695	5268.726	---	PASS
		5280	16.970	5271.743	5288.713	---	PASS
		5320	17.019	5311.687	5328.706	---	PASS
		5500	16.970	5491.711	5508.681	---	PASS
		5580	16.990	5571.714	5588.704	---	PASS
		5700	16.992	5691.747	5708.739	---	PASS
		5745	17.013	5736.691	5753.704	---	PASS
		5785	16.988	5776.733	5793.721	---	PASS
		5825	16.973	5816.749	5833.722	---	PASS
11N20SISO	Ant1	5180	18.162	5171.118	5189.280	---	PASS
		5200	18.099	5191.154	5209.253	---	PASS
		5240	18.121	5231.157	5249.278	---	PASS
		5260	18.107	5251.182	5269.289	---	PASS
		5280	17.957	5270.88	5288.837	---	PASS
		5320	18.120	5311.154	5329.274	---	PASS
		5500	18.111	5491.134	5509.245	---	PASS
		5580	18.110	5571.124	5589.234	---	PASS
		5700	18.142	5691.185	5709.327	---	PASS
		5745	18.099	5736.150	5754.249	---	PASS
		5785	18.084	5776.180	5794.264	---	PASS
		5825	18.116	5816.159	5834.275	---	PASS
11N40SISO	Ant1	5190	36.527	5171.942	5208.469	---	PASS
		5230	36.445	5211.995	5248.440	---	PASS
		5270	36.522	5251.978	5288.500	---	PASS
		5310	36.505	5291.987	5328.492	---	PASS
		5510	36.472	5491.955	5528.427	---	PASS
		5550	36.427	5532.040	5568.467	---	PASS
		5670	36.461	5651.981	5688.442	---	PASS

		5755	36.505	5736.996	5773.501	---	PASS
		5795	36.480	5776.991	5813.471	---	PASS
11AC20SISO	Ant1	5180	18.154	5171.112	5189.266	---	PASS
		5200	18.143	5191.138	5209.281	---	PASS
		5240	18.167	5231.148	5249.315	---	PASS
		5260	18.115	5251.189	5269.304	---	PASS
		5280	18.099	5271.172	5289.271	---	PASS
		5320	18.110	5311.138	5329.248	---	PASS
		5500	18.153	5491.103	5509.256	---	PASS
		5580	18.128	5571.122	5589.250	---	PASS
		5700	18.155	5691.161	5709.316	---	PASS
		5745	18.126	5736.126	5754.252	---	PASS
		5785	18.132	5776.155	5794.287	---	PASS
		5825	18.146	5816.134	5834.280	---	PASS
11AC40SISO	Ant1	5190	36.497	5171.960	5208.457	---	PASS
		5230	36.480	5211.979	5248.459	---	PASS
		5270	36.467	5252.013	5288.480	---	PASS
		5310	36.429	5291.982	5328.411	---	PASS
		5510	36.522	5491.936	5528.458	---	PASS
		5550	36.410	5532.036	5568.446	---	PASS
		5670	36.385	5652.011	5688.396	---	PASS
		5755	36.467	5736.989	5773.456	---	PASS
		5795	36.475	5776.990	5813.465	---	PASS
11AC80SISO	Ant1	5210	75.902	5172.346	5248.248	---	PASS
		5290	75.749	5252.398	5328.147	---	PASS
		5530	75.933	5492.298	5568.231	---	PASS
		5610	76.107	5572.122	5648.229	---	PASS
		5775	75.890	5737.334	5813.224	---	PASS

TEST GRAPHS

11A_Ant1_5180

11A_Ant1_5200

11A_Ant1_5240

11A_Ant1_5260

11A_Ant1_5280

11A_Ant1_5320

11A_Ant1_5500

11A_Ant1_5580

11A_Ant1_5700

11A_Ant1_5745

11A_Ant1_5785

11A_Ant1_5825

11N20SISO_Ant1_5180

11N20SISO_Ant1_5200

11N20SISO_Ant1_5240

11N20SISO_Ant1_5260

11N20SISO_Ant1_5280

11N20SISO_Ant1_5320

11N20SISO_Ant1_5500

11N20SISO_Ant1_5580

11N20SISO_Ant1_5700

11N20SISO_Ant1_5745

11N20SISO_Ant1_5785

11N20SISO_Ant1_5825

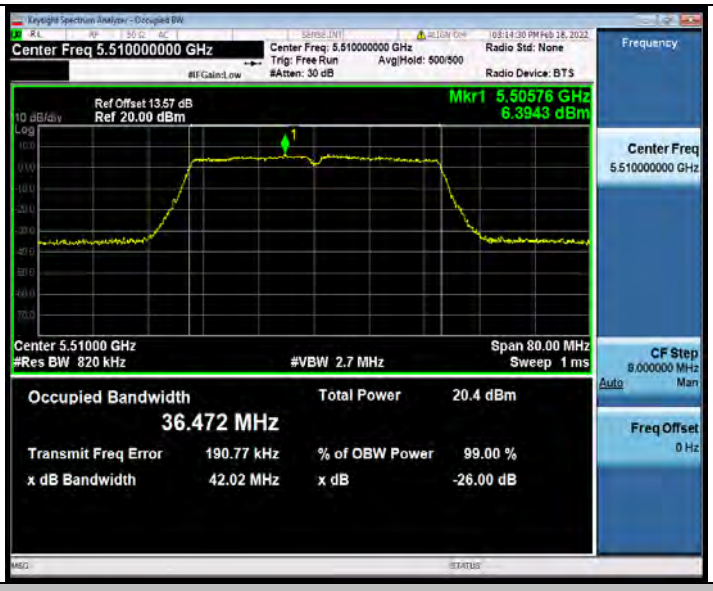
11N40SISO_Ant1_5190

11N40SISO_Ant1_5230

11N40SISO_Ant1_5270

11N40SISO_Ant1_5310

11N40SISO_Ant1_5510



11N40SISO_Ant1_5550

11N40SISO_Ant1_5670

11N40SISO_Ant1_5755

11N40SISO_Ant1_5795

11AC20SISO_Ant1_5180

11AC20SISO_Ant1_5200

11AC20SISO_Ant1_5240

11AC20SISO_Ant1_5260

11AC20SISO_Ant1_5280

11AC20SISO_Ant1_5320

11AC20SISO_Ant1_5500

11AC20SISO_Ant1_5580

11AC20SISO_Ant1_5700

11AC20SISO_Ant1_5745

11AC20SISO_Ant1_5785

11AC20SISO_Ant1_5825

11AC40SISO_Ant1_5190

11AC40SISO_Ant1_5230

11AC40SISO_Ant1_5270

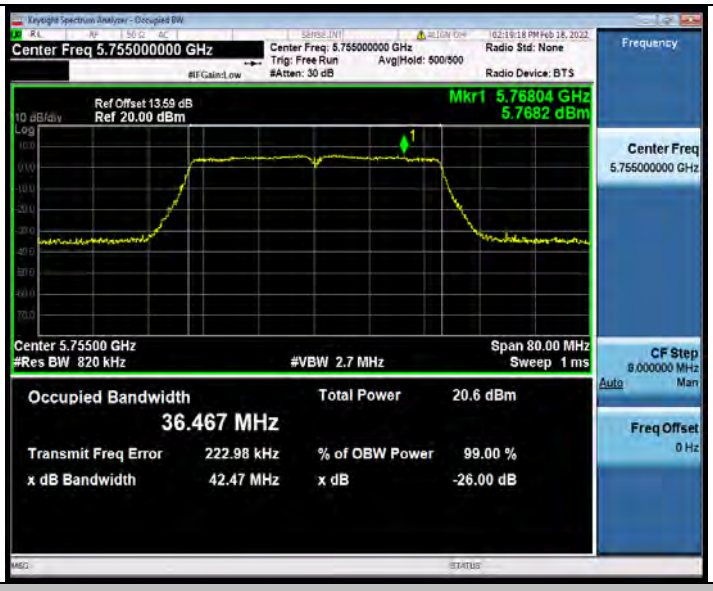
11AC40SISO_Ant1_5310

11AC40SISO_Ant1_5510

11AC40SISO_Ant1_5550

11AC40SISO_Ant1_5670

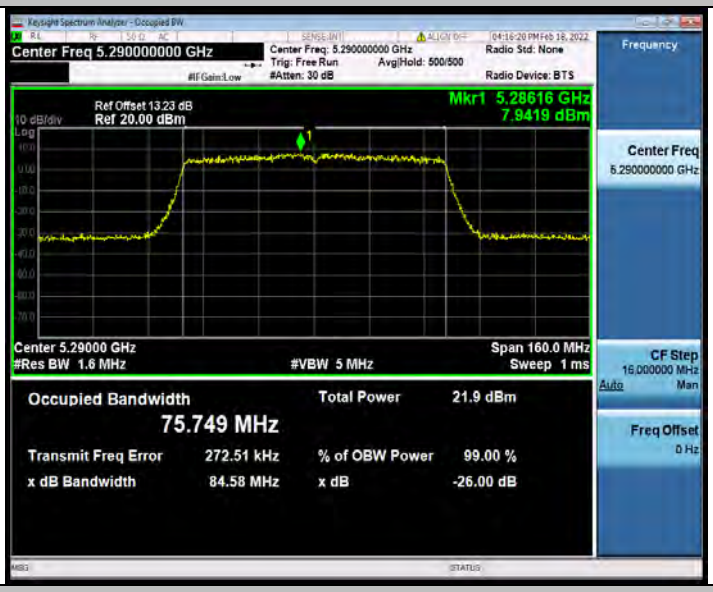
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

11AC80SISO_Ant1_5210

11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5530

11AC80SISO_Ant1_5610

11AC80SISO_Ant1_5775

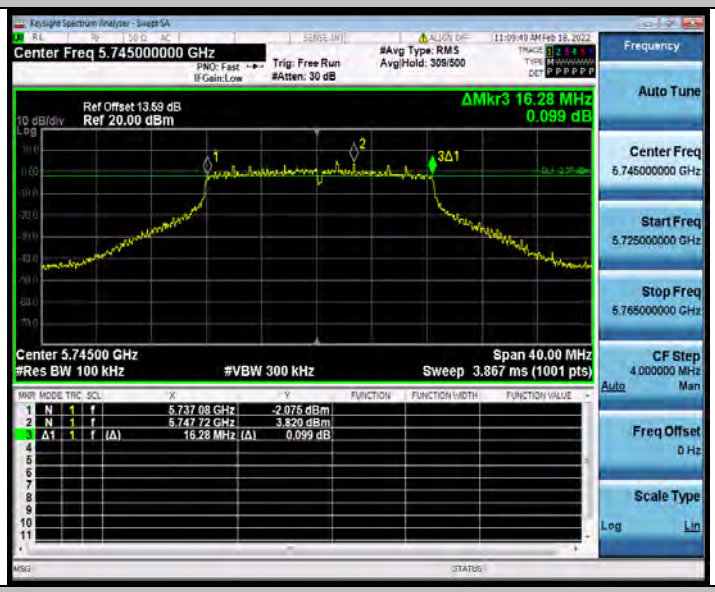
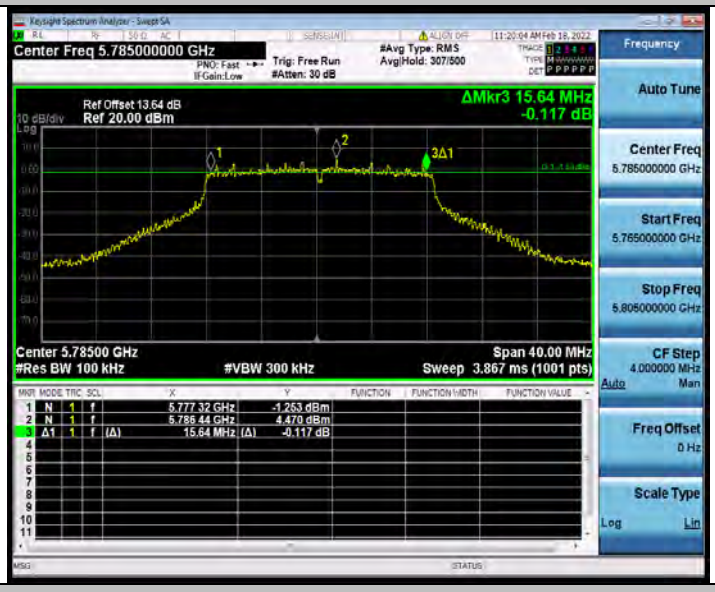

Center Freq 5.775000000 GHz
Center Freq: 5.775000000 GHz
Trig: Free Run
Avg|Hold: 500/500
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 13.64 dB
10 dB/div
Ref 20.00 dBm
Mkr1 5.77884 GHz
8.9009 dBm
Center Freq
5.775000000 GHz
Center 5.77500 GHz
#Res BW 1.6 MHz
#VBW 5 MHz
Span 160.0 MHz
Sweep 1 ms
CF Step
16.000000 MHz
Auto
Man
Occupied Bandwidth
75.890 MHz
Total Power
22.8 dBm
Transmit Freq Error
279.27 kHz
% of OBW Power
99.00 %
x dB Bandwidth
84.02 MHz
x dB
-26.00 dB
Freq Offset
0 Hz

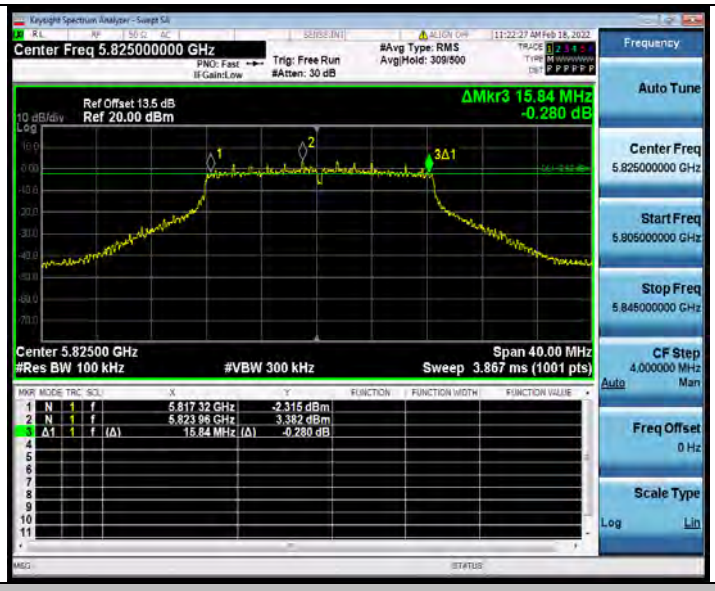
MIN EMISSION BANDWIDTH

TEST RESULT B4

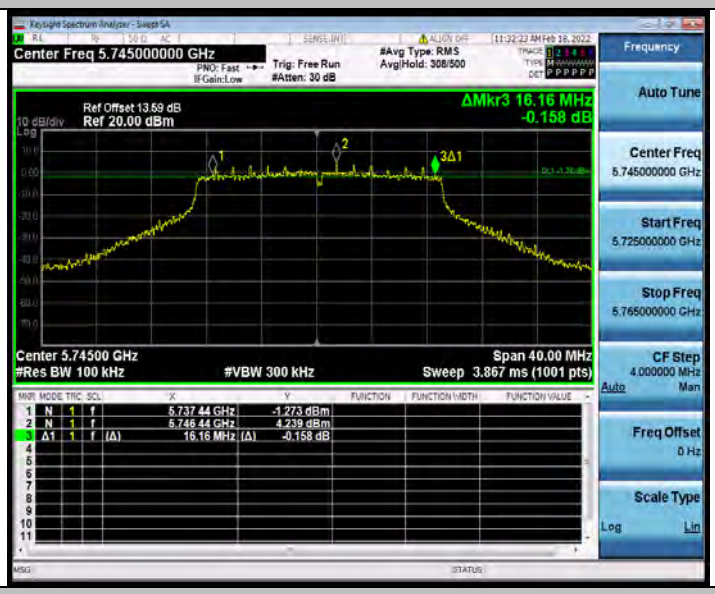
TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.280	5737.080	5753.360	0.5	PASS
		5785	15.640	5777.320	5792.960	0.5	PASS
		5825	15.840	5817.320	5833.160	0.5	PASS
11N20SISO	Ant1	5745	16.160	5737.440	5753.600	0.5	PASS
		5785	15.200	5777.600	5792.800	0.5	PASS
		5825	15.280	5817.680	5832.960	0.5	PASS
11N40SISO	Ant1	5755	36.240	5737.080	5773.320	0.5	PASS
		5795	36.240	5777.080	5813.320	0.5	PASS
11AC20SISO	Ant1	5745	15.280	5737.720	5753.000	0.5	PASS
		5785	15.120	5777.680	5792.800	0.5	PASS
		5825	15.080	5817.680	5832.760	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5737.080	5773.400	0.5	PASS
		5795	35.920	5777.080	5813.000	0.5	PASS
11AC80SISO	Ant1	5775	75.040	5737.720	5812.760	0.5	PASS

TEST GRAPHS B4

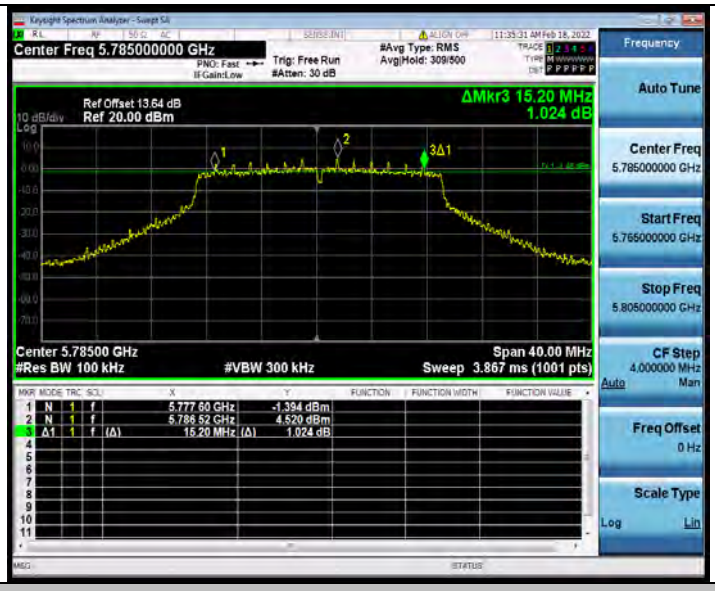
11A_Ant1_5745

11A_Ant1_5785

11A_Ant1_5825



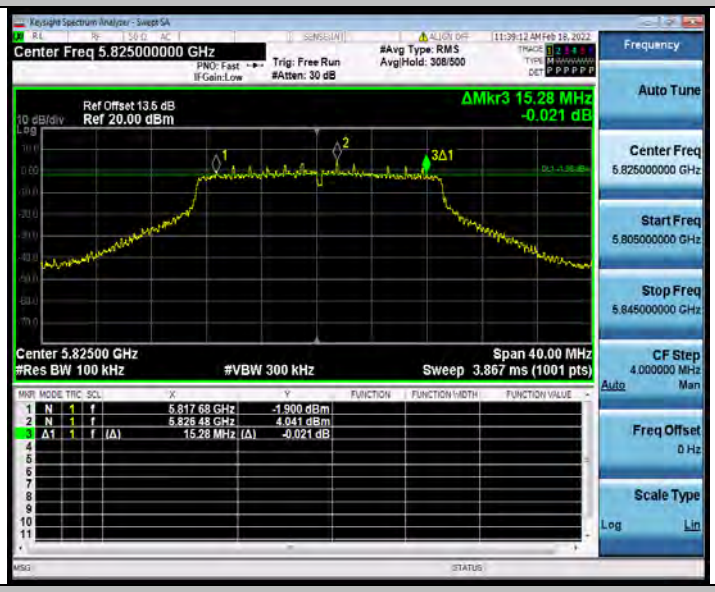
11N20SISO_Ant1_5745



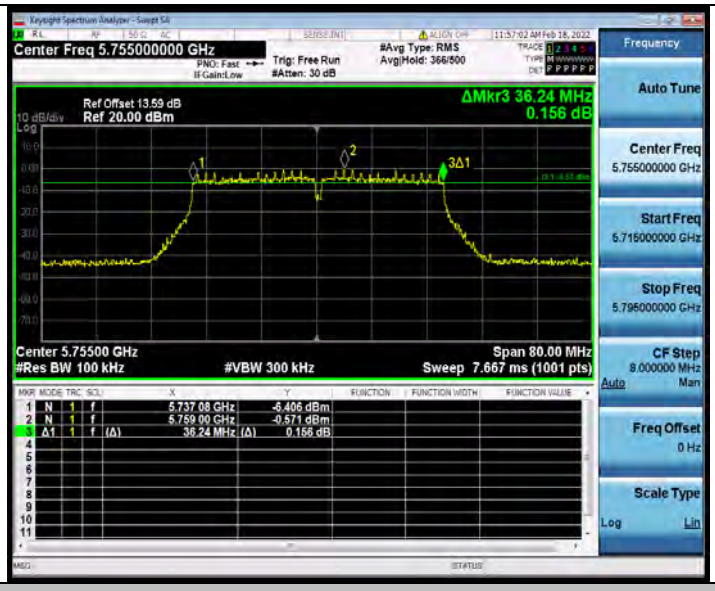
11N20SISO_Ant1_5785



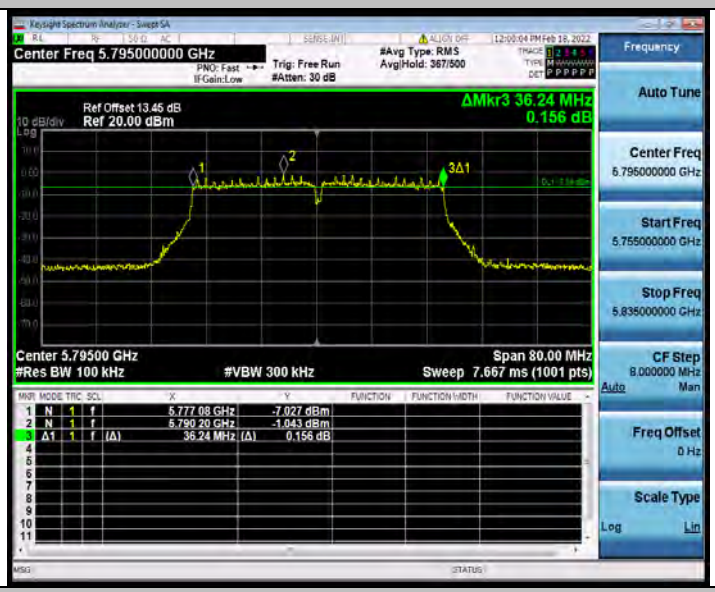
11N20SISO_Ant1_5825



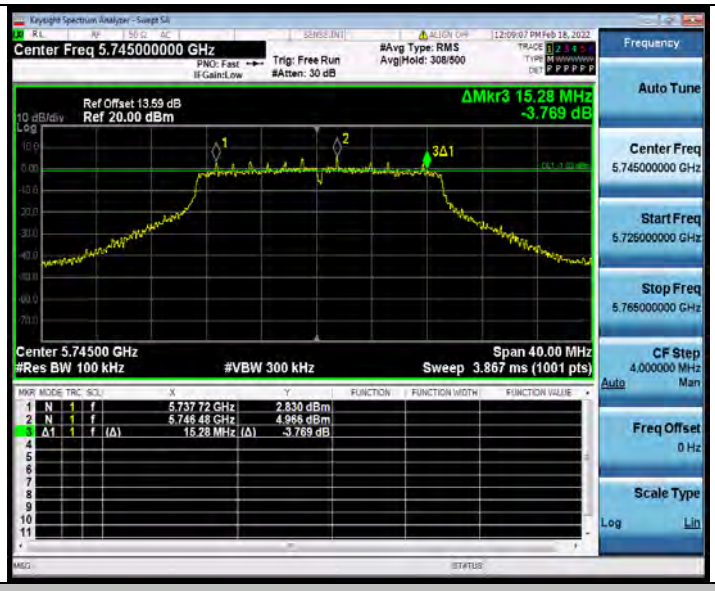
11N40SISO_Ant1_5755



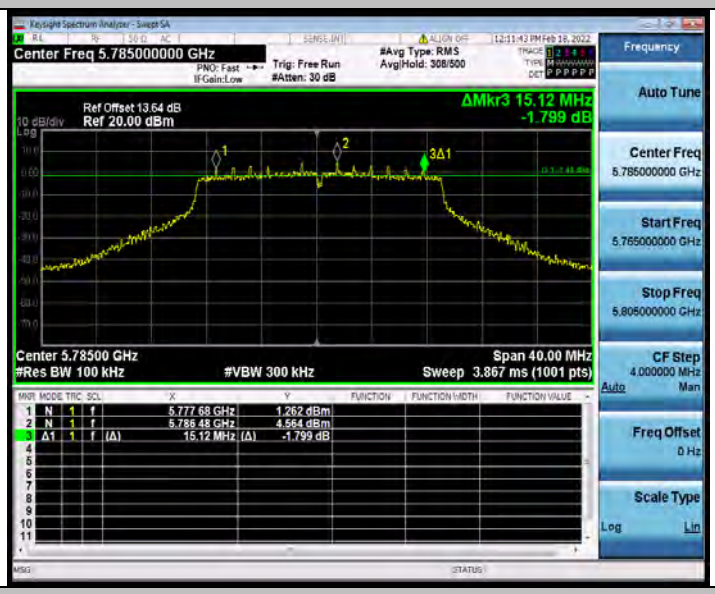
11N40SISO_Ant1_5795



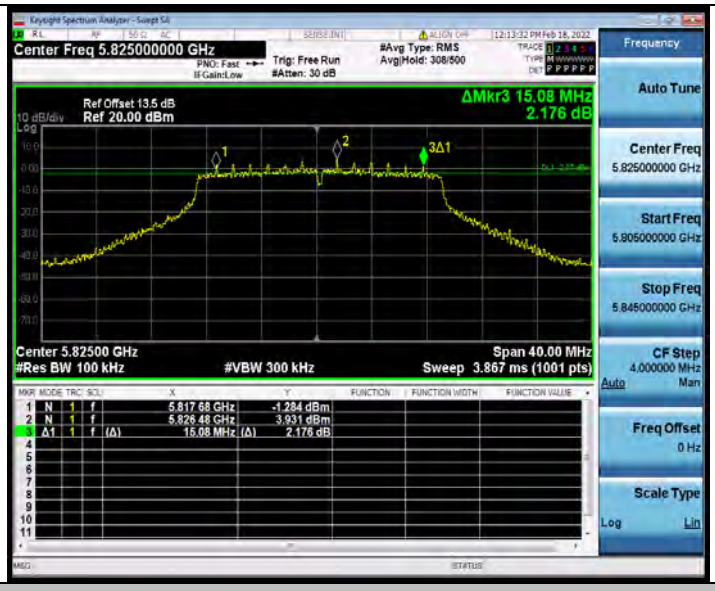
11AC20SISO_Ant1_5745



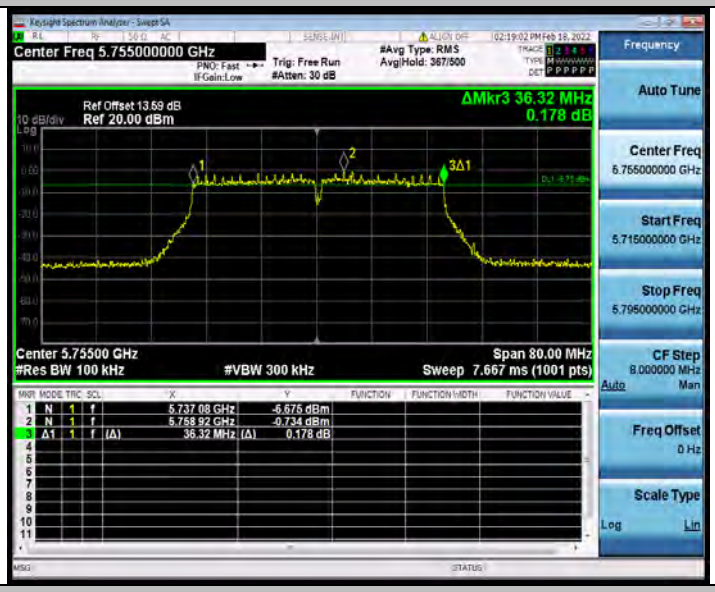
11AC20SISO_Ant1_5785



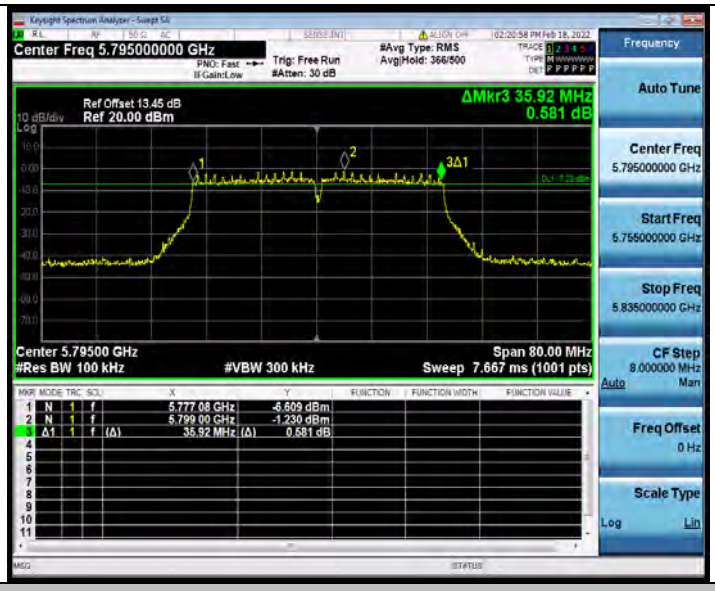
11AC20SISO_Ant1_5825



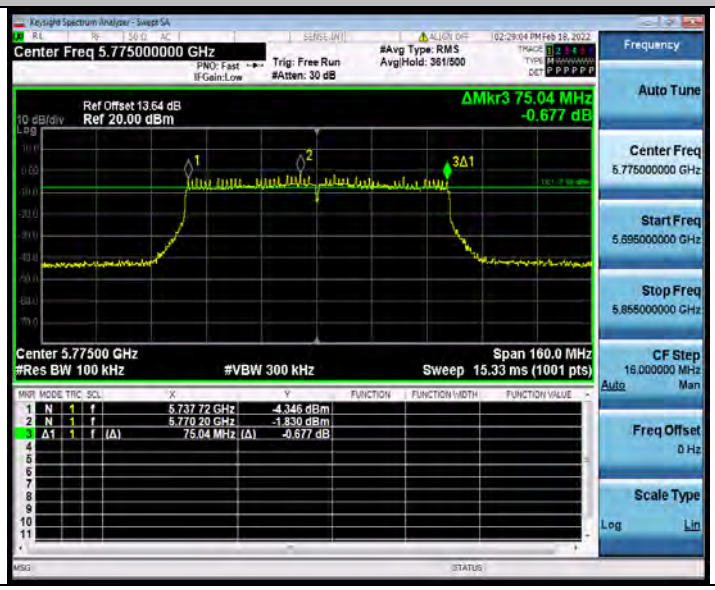
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



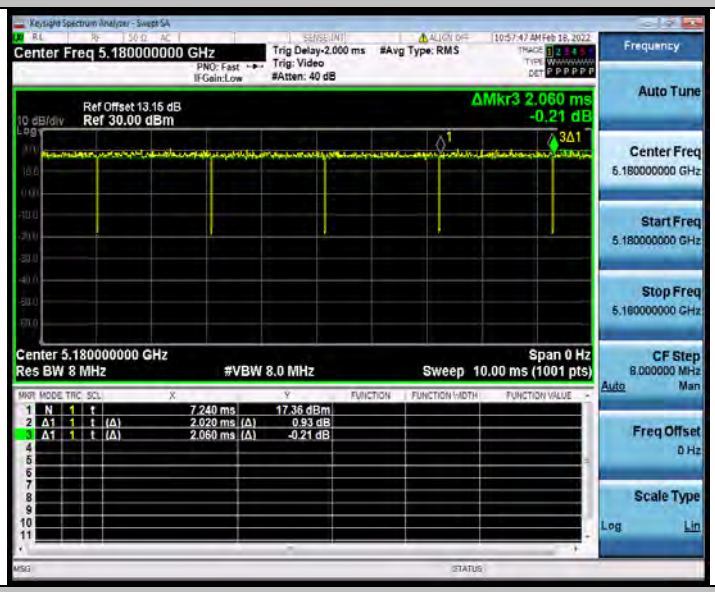
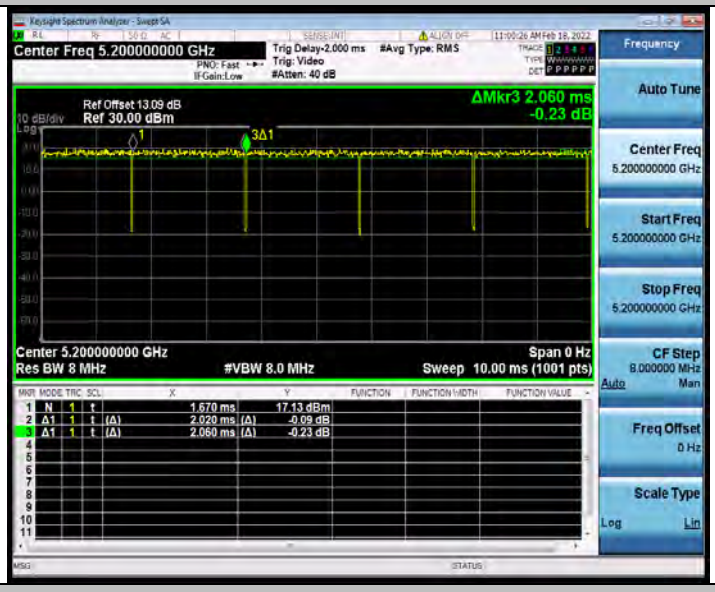
DUTY CYCLE

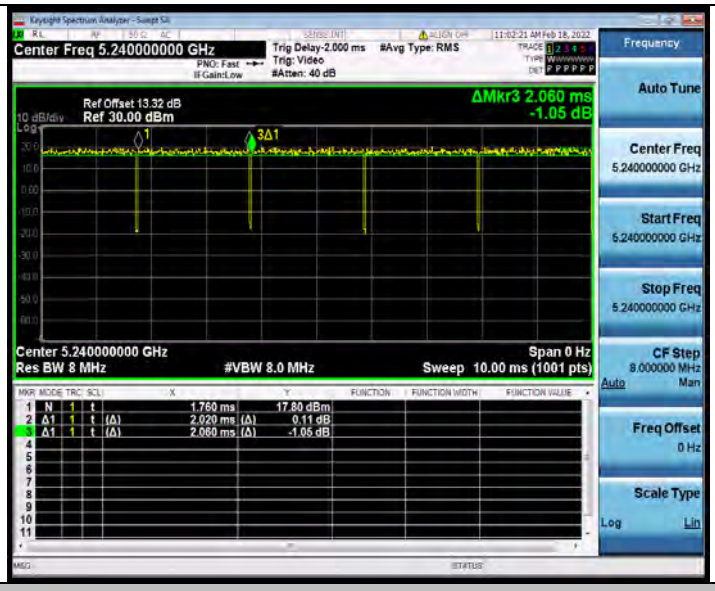
TEST RESULT

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	2.02	2.06	98.06
		5200	2.02	2.06	98.06
		5240	2.02	2.06	98.06
		5260	2.03	2.07	98.07
		5280	2.03	2.07	98.07
		5320	2.03	2.07	98.07
		5500	2.02	2.06	98.06
		5580	2.03	2.07	98.07
		5700	2.03	2.07	98.07
		5745	2.02	2.06	98.06
		5785	2.03	2.07	98.07
		5825	2.02	2.06	98.06
11N20SISO	Ant1	5180	1.89	1.93	97.93
		5200	1.88	1.92	97.92
		5240	1.89	1.93	97.93
		5260	1.88	1.92	97.92
		5280	1.89	1.93	97.93
		5320	1.89	1.93	97.93
		5500	1.89	1.93	97.93
		5580	1.89	1.93	97.93
		5700	1.89	1.93	97.93
		5745	1.88	1.92	97.92
		5785	1.88	1.92	97.92
		5825	1.88	1.92	97.92
11N40SISO	Ant1	5190	0.93	0.97	95.88
		5230	0.92	0.96	95.83
		5270	0.93	0.97	95.88
		5310	0.92	0.96	95.83
		5510	0.93	0.97	95.88
		5550	0.93	0.97	95.88

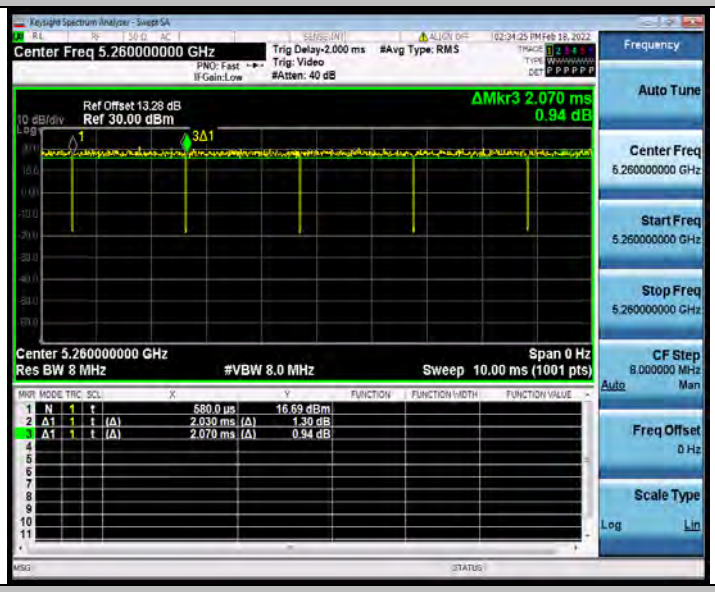
		5670	0.92	0.96	95.83
		5755	0.93	0.97	95.88
		5795	0.92	0.96	95.83
11AC20SISO	Ant1	5180	1.90	1.94	97.94
		5200	1.90	1.94	97.94
		5240	1.90	1.94	97.94
		5260	1.90	1.94	97.94
		5280	1.90	1.94	97.94
		5320	1.90	1.94	97.94
		5500	1.90	1.94	97.94
		5580	1.90	1.94	97.94
		5700	1.90	1.94	97.94
		5745	1.90	1.94	97.94
		5785	1.90	1.94	97.94
		5825	1.90	1.94	97.94
11AC40SISO	Ant1	5190	0.93	0.97	95.88
		5230	0.93	0.97	95.88
		5270	0.93	0.97	95.88
		5310	0.93	0.97	95.88
		5510	0.93	0.97	95.88
		5550	0.93	0.97	95.88
		5670	0.93	0.97	95.88
		5755	0.93	0.97	95.88
		5795	0.93	0.97	95.88
11AC80SISO	Ant1	5210	0.45	0.49	91.84
		5290	0.45	0.49	91.84
		5530	0.45	0.49	91.84
		5610	0.45	0.49	91.84
		5775	0.45	0.49	91.84

TEST GRAPHS

11A_Ant1_5180

11A_Ant1_5200

11A_Ant1_5240



11A_Ant1_5260



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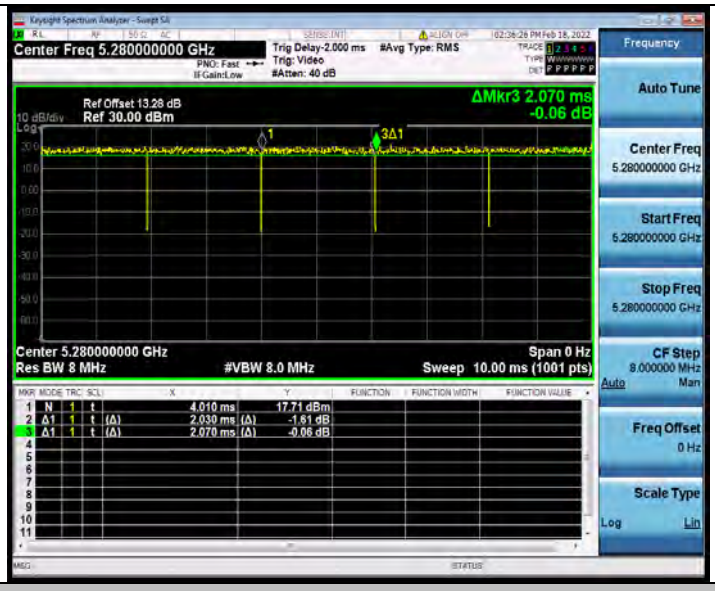

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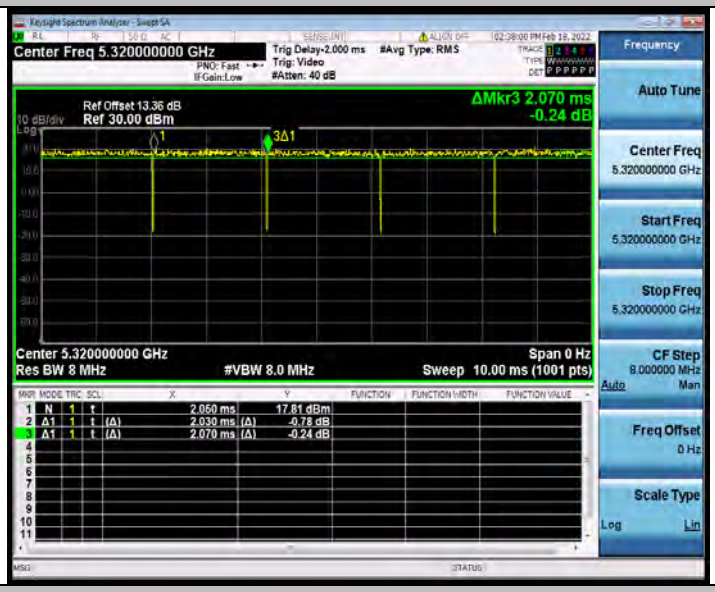

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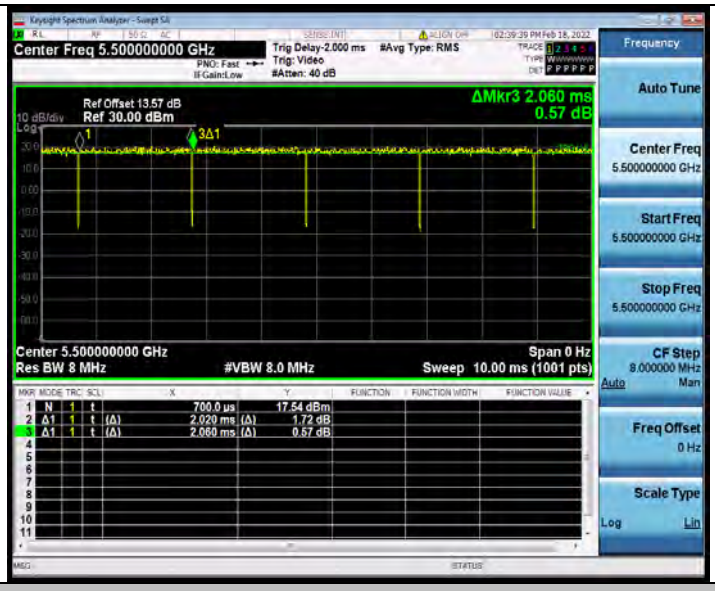

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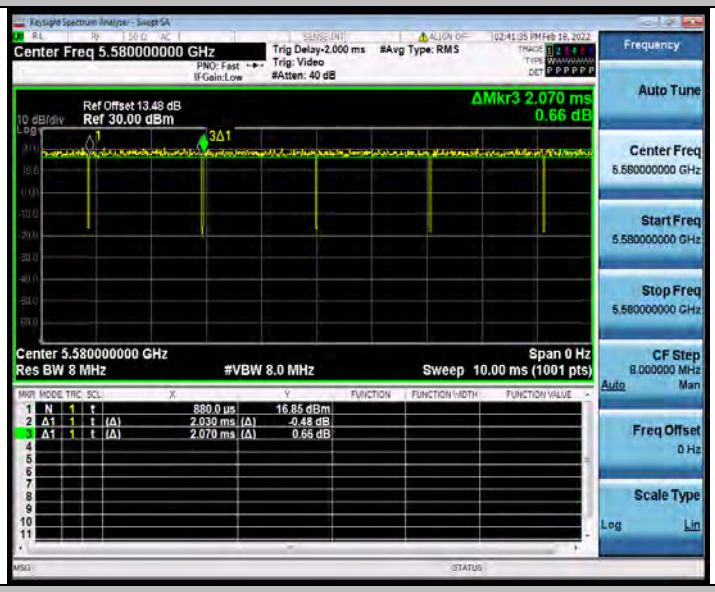

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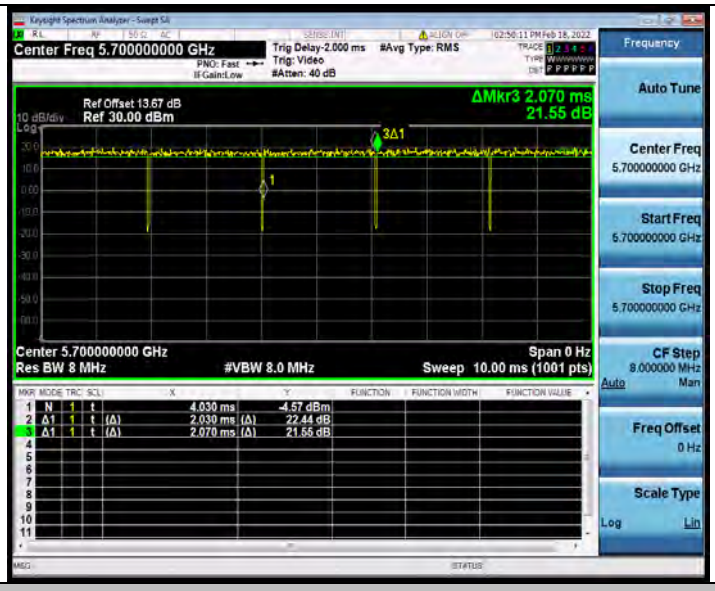
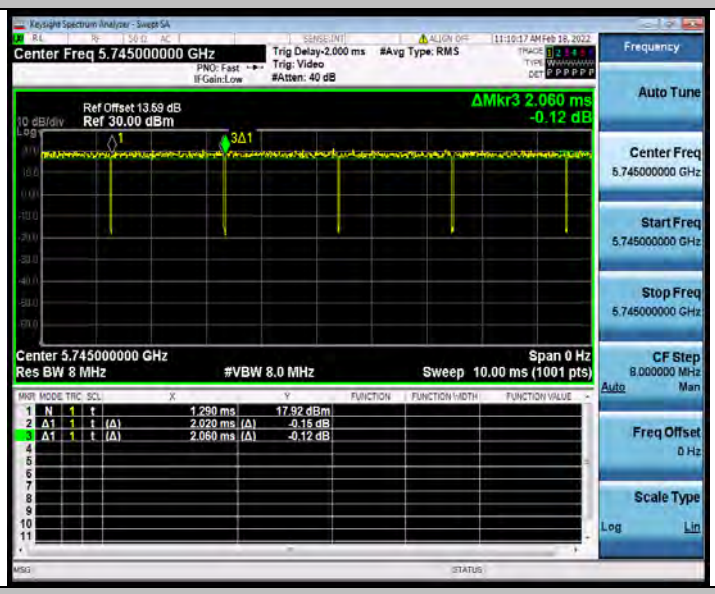


11A_Ant1_5745



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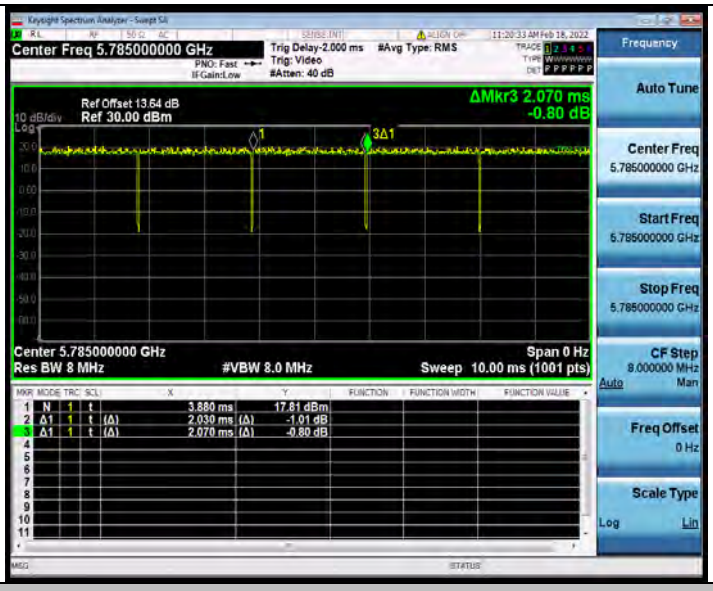

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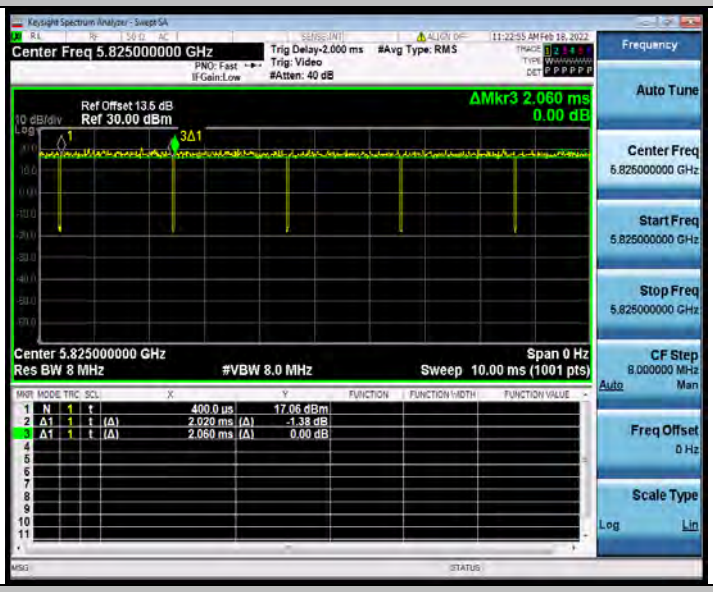
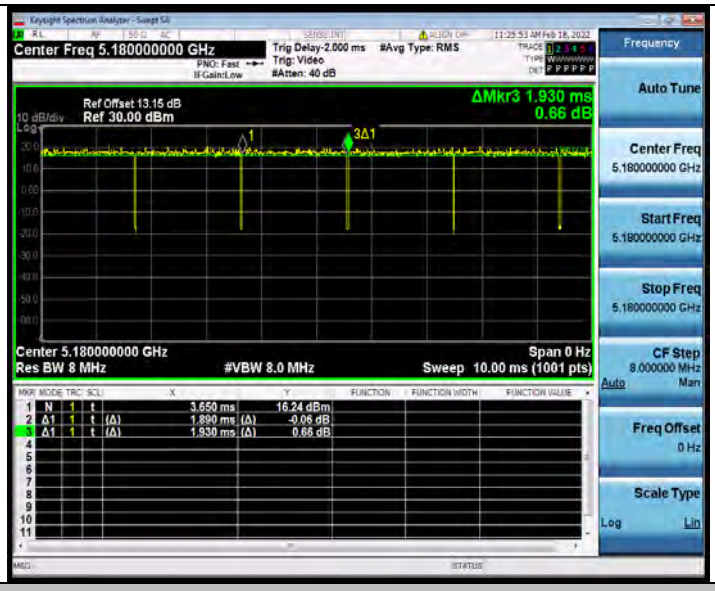
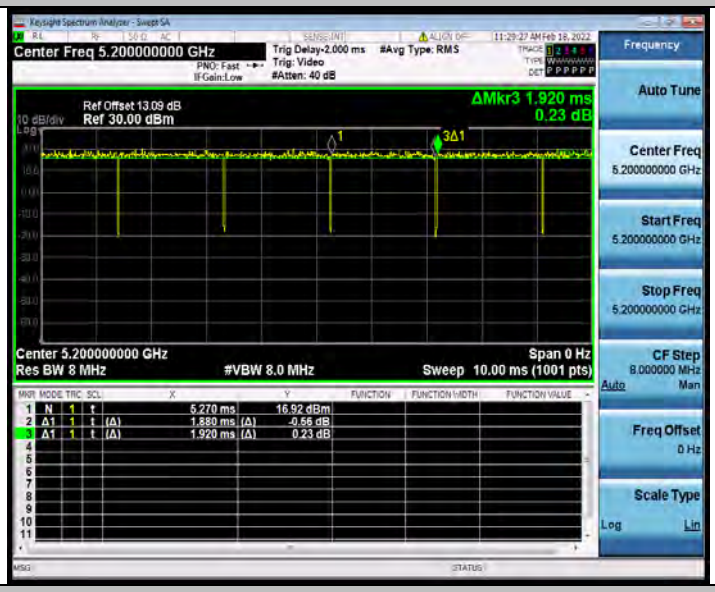


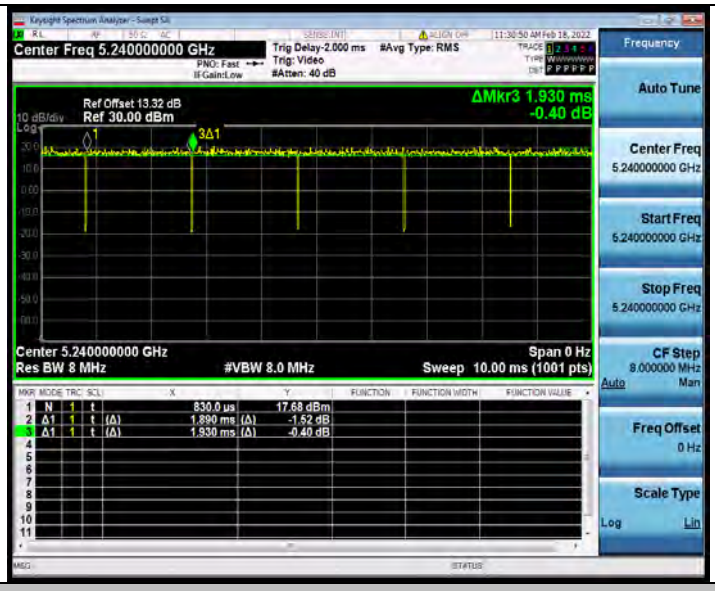
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



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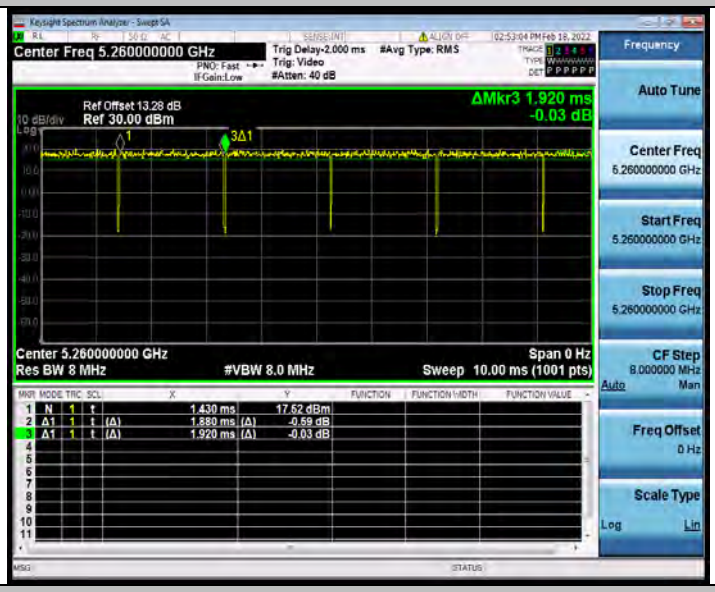

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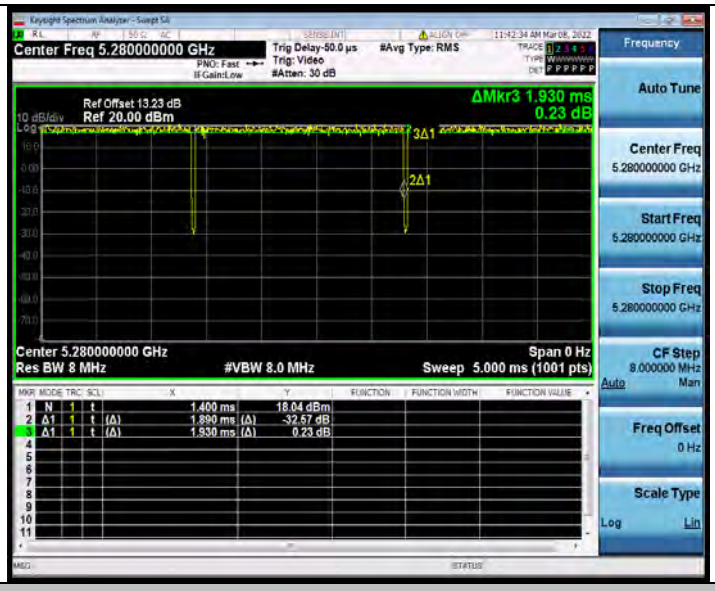

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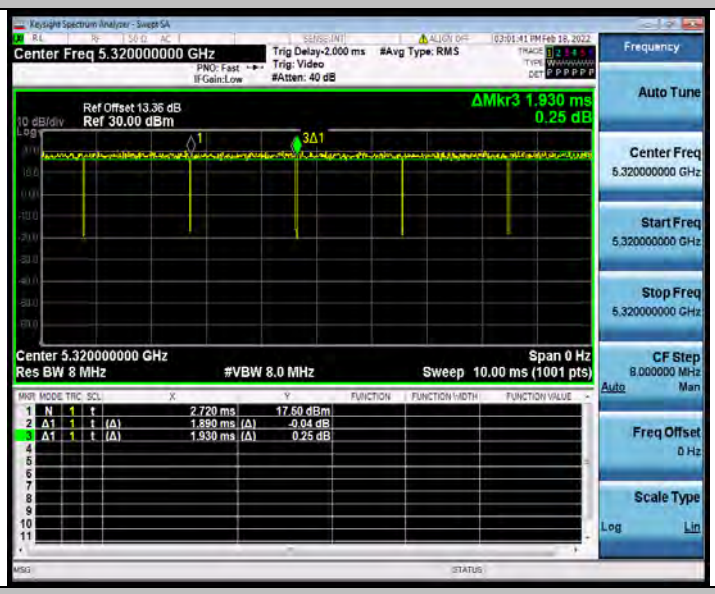

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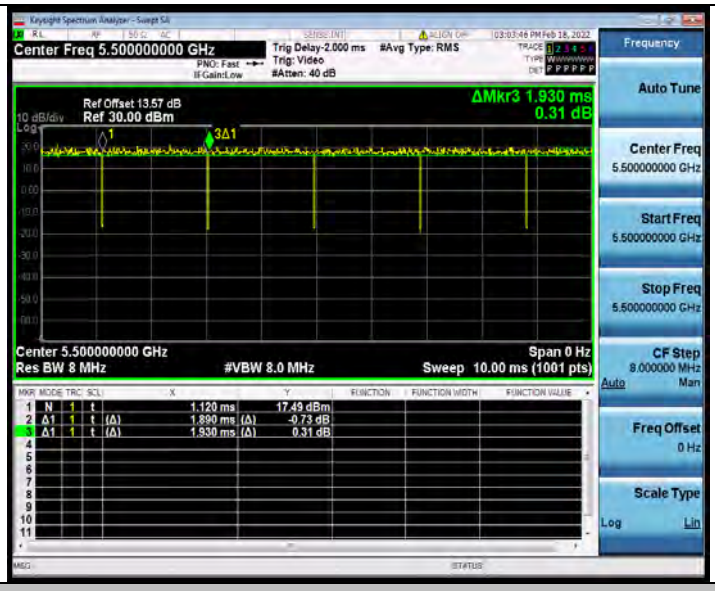

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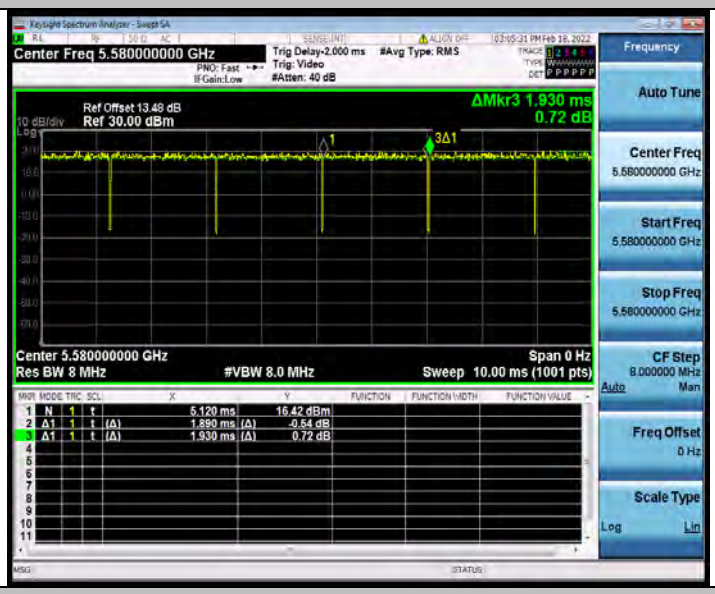

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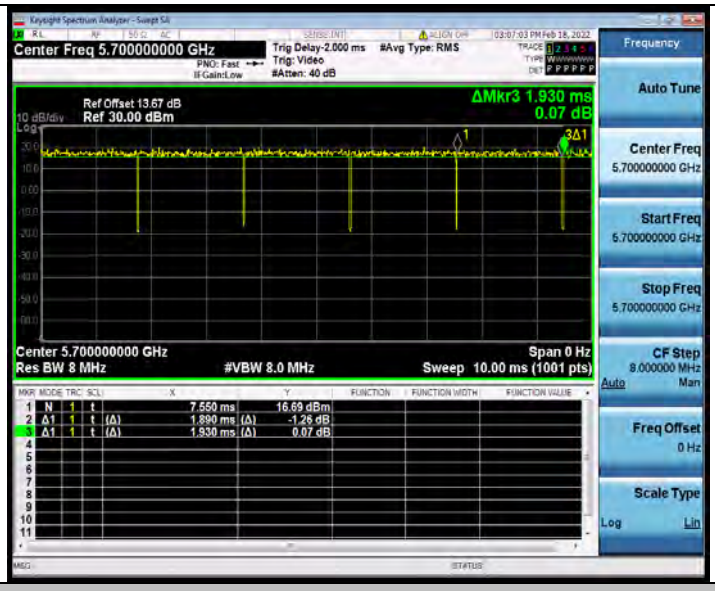

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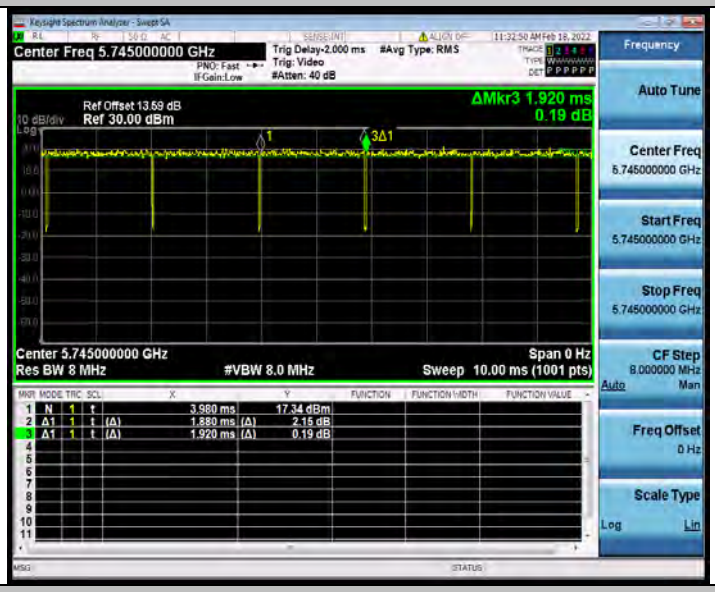

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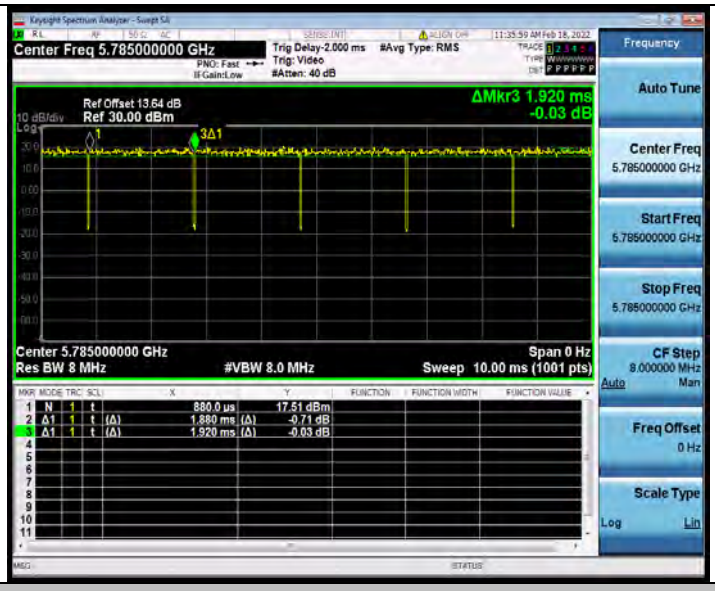
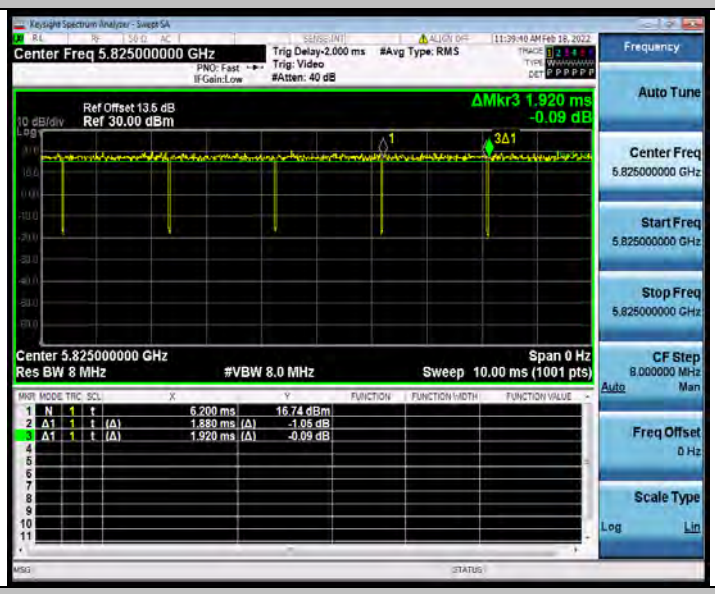
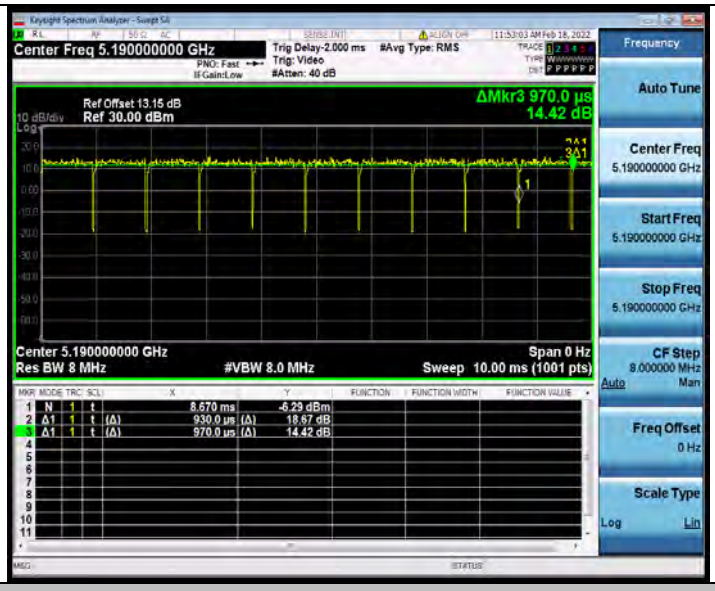


11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



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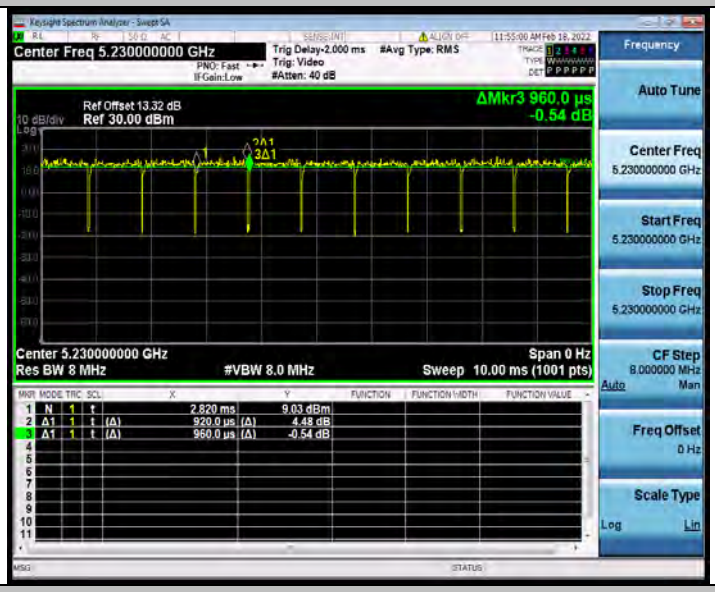

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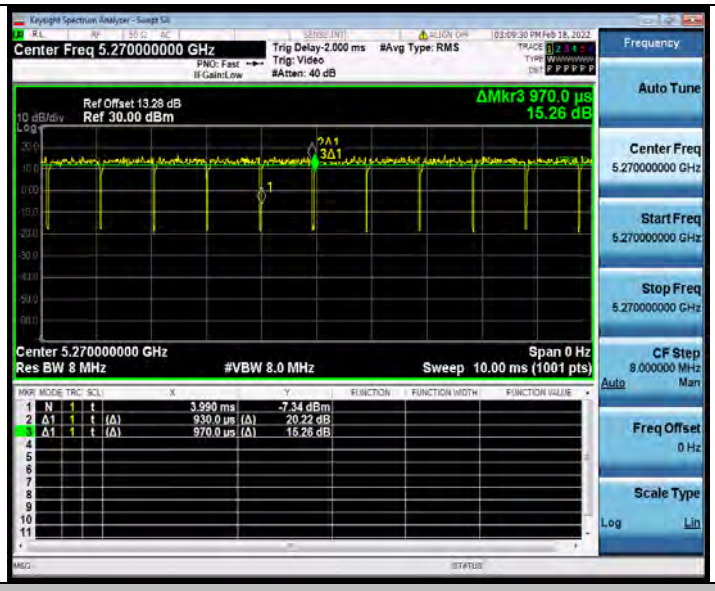

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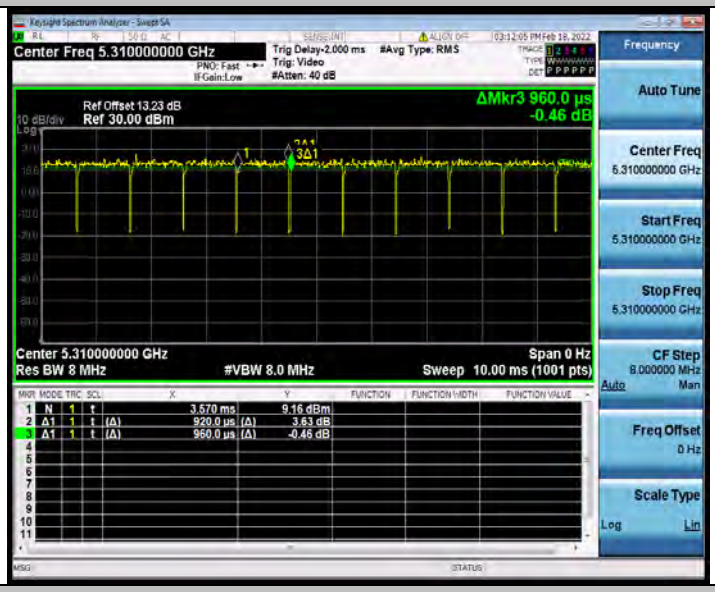

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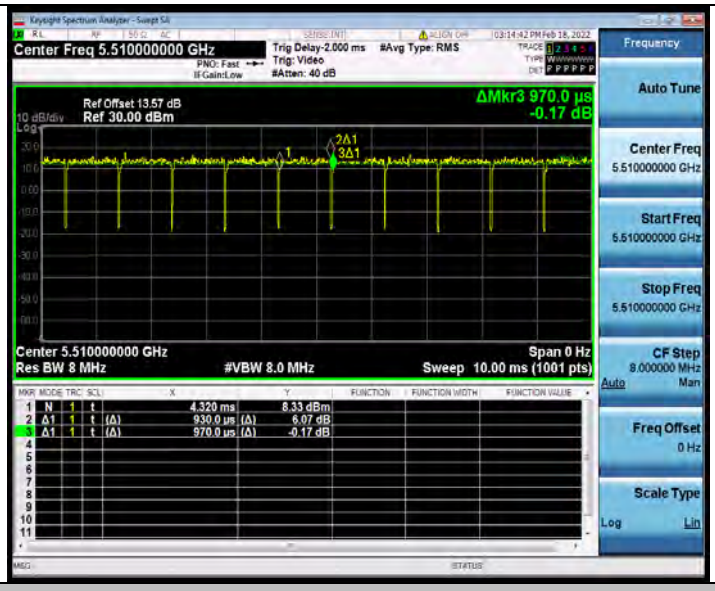

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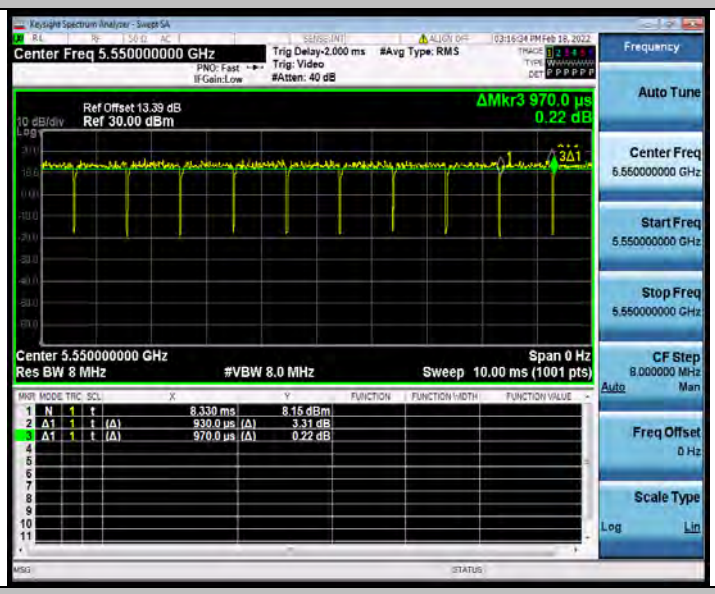

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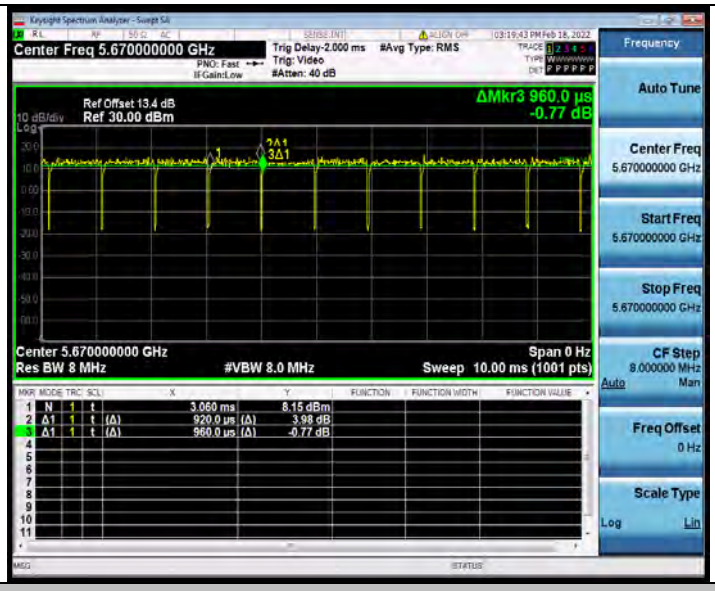

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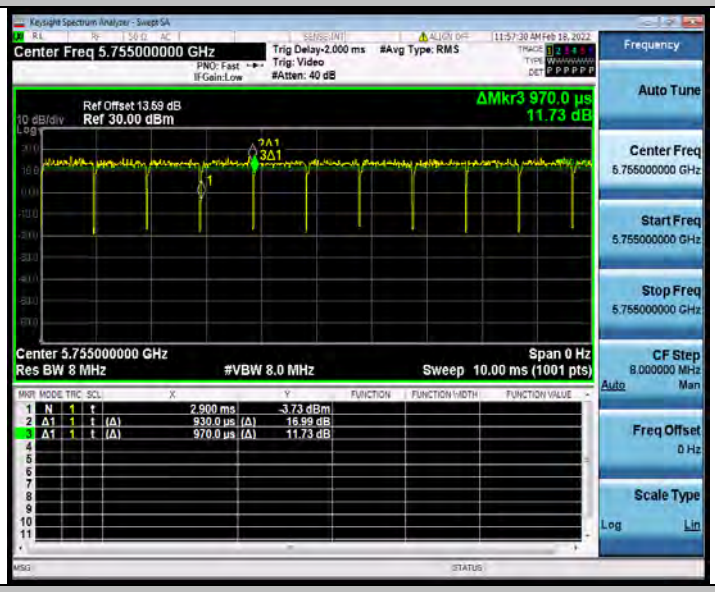

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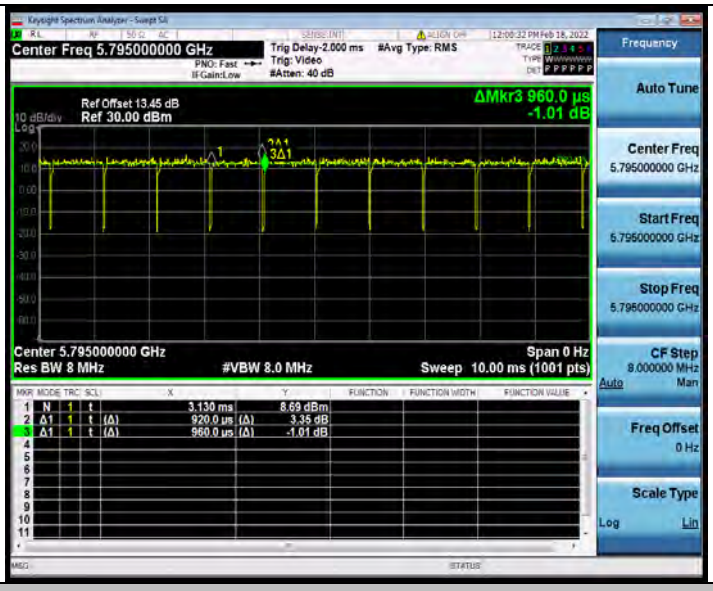

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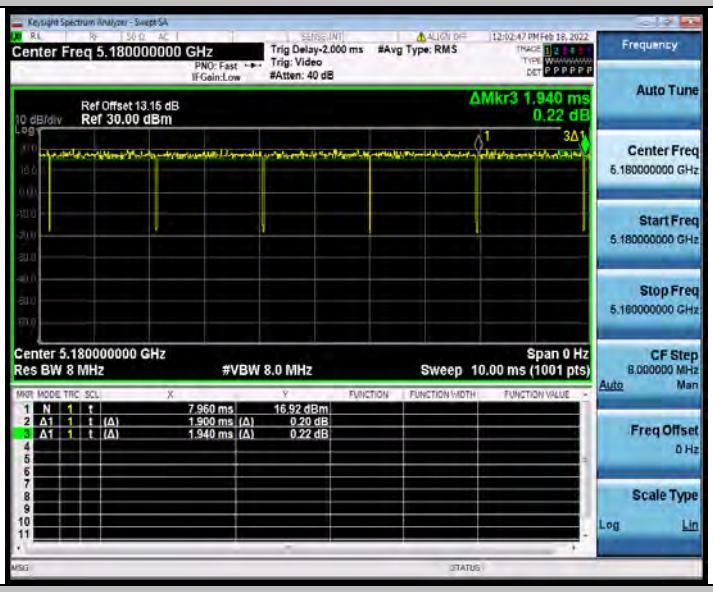

11AC20SISO_Ant1_5200