FCC TEST REPORT

FCC ID:2A7F7GYXSL-TVD6003H

Product	:	Pxierra Ai Baby Monitor
Model Name	:	TVD6003H,TVD6004H,TVD6005H,TVD6006H,TVD6007H,TVD6008H
Brand	:	Pxierra Ai
Report No.	:	PTC22061403801E-FC02

Prepared for

Pxierra Limited

A504, Qilin Maker Town, No.41 liupanshui Road, National High-tech Industrial Development Zone, Guiyang, Guizhou, China

Prepared by

Precise Testing & Certification Co., Ltd

Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China

1 TEST RESULT CERTIFICATION

Applicant's name	:	Pxierra Limited
Address	:	A504, Qilin Maker Town, No.41 liupanshui Road, National High-tech Industrial Development Zone, Guiyang, Guizhou, China
Manufacture's name	:	Pxierra Limited
Address	:	A504, Qilin Maker Town, No.41 liupanshui Road, National High-tech Industrial Development Zone, Guiyang, Guizhou, China
Product name	:	Pxierra Ai Baby Monitor
Model name	:	TVD6003H,TVD6004H,TVD6005H,TVD6006H,TVD6007H,TVD6008H
Standards	:	FCC CFR47 Part 15 Section 15.407
Test procedure	:	ANSI C63.10:2013
Test Date	:	Jun. 15, 2022 to Aug. 18, 2022
Date of Issue	:	Aug. 18, 2022
Test Result	:	Pass

This device described above has been tested by PTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.
This report shall not be reproduced except in full, without the written approval of PTC, this document may be altered or revised by PTC, personal only, and shall be noted in the revision of the document.

Test Engineer:

Simon Pu / Engineer

Technical Manager:

Ronnie Liu / Manager

Contents

Page

1 TEST RESULT CERTIFICATION 2

2 TEST SUMMARY 5

3 GENERAL INFORMATION 6

3.1 GENERAL DESCRIPTION OF E.U.T. 6

3.2 CHANNEL LIST 7

3.3 TEST SITE 8

4 EQUIPMENT DURING TEST 9

4.1 EQUIPMENTS LIST 9

4.2 MEASUREMENT UNCERTAINTY 11

4.3 DESCRIPTION OF SUPPORT UNITS 12

5 CONDUCTED EMISSION 13

5.1 E.U.T. OPERATION 13

5.2 EUT SETUP 13

5.3 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION) 14

5.4 MEASUREMENT PROCEDURE 14

5.5 CONDUCTED EMISSION LIMIT 14

5.6 MEASUREMENT DESCRIPTION 14

5.7 CONDUCTED EMISSION TEST RESULT 14

6 RADIATED SPURIOUS EMISSIONS 17

6.1 EUT OPERATION 18

6.2 TEST SETUP 19

6.3 SPECTRUM ANALYZER SETUP 20

6.4 TEST PROCEDURE 21

6.5 SUMMARY OF TEST RESULTS 22

6.6 BAND EDGE MEASUREMENTS 76

7 EMISSION BANDWIDTH AND OCCUPIED BANDWIDTH 90

7.1 TEST PROCEDURE 90

7.2 TEST RESULT 91

8 MAXIMUM PEAK OUTPUT POWER 114

8.1 TEST PROCEDURE 114
8.2 TEST RESULT 115
9 POWER SPECTRAL DENSITY 116
9.1 TEST PROCEDURE 117
9.2 TEST RESULT 118
9.3 ANTENNA REQUIREMENT 132
9.4 RESULT 133
10 FREQUENCY STABILITY 134
10.1 TEST PROCEDURE 134
10.2 TEST RESULT 134
11 TEST SETUP 141
12 EUT PHOTOS 143

2 Test Summary

Test Items	Test Requirement	Result
Conduct Emission	15.207	PASS
Radiated Spurious Emissions	15.205(a) 15.209 15.407(b)	PASS
Emission and Occupied Bandwidth	15.407(a)(e)	PASS
Maximum Peak Output Power	15.407(a)(1)	PASS
Power Spectral Density	15.407(a)	PASS
Frequency stability	15.407 (g)	PASS
Antenna Requirement	15.203	PASS

3 General Information

3.1 General Description of E.U.T.

Product Name	:	Pxierra Ai Baby Monitor
Model Name	:	TVD6003H
Additional model	:	TVD6004H,TVD6005H,TVD6006H,TVD6007H,TVD6008H
Specification	:	802.11a//n HT20/HT40/ac20/ac40/ac80
Operation Frequency	:	5G Wifi:5150-5250 MHz 5.8G Wifi:5725MHz~5850MHz
Number of Channel	:	4 channels for 802.11a/n20/ac20 5150-5250 MHz 5 channels for 802.11a/n20/ac20 5725MHz~5850MHz 2 channels for 802.11n40/ac40 5150-5250 MHz 2 channels for 802.11n40/ac40 5725MHz~5850MHz 2 channels for 802.11ac80
Type of Modulation	:	DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n/a/ac
Antenna installation	:	Integral Antenna
Antenna Gain	:	2 dBi
Power supply	:	Adapter: Model: QL010-0502000UU Input: 100-240V~50/60Hz 0.45A Output:DC5V,2.0A
Hardware Version	:	1.0.1
Software Version	:	1.0.99

3.2 Channel List

The EUT has been tested under its typical operating condition.

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Those data rates (802.11a: 6 Mbps; 802.11n (HT20): MCS0; 802.11ac: MCS0) were used for all test.

Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

Frequency and Channel list for 802.11 a/N20/N40/AC20/AC40

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	46	5230	153	5765
38	5190	48	5240	157	5785
40	5200	149	5745	159	5795
44	5220	151	5755	161	5805
				165	5825

Frequency and Channel list for 802.11 ac80:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210	155	5775	/	/

The maximum duty cycle as following table:

Test Mode	Duty Cycle(%)
802.11a	100%
802.11n/ac20	100%
802.11n/ac40	100%
802.11ac80	100%

3.3 Test Site

Precise Testing & Certification Co., Ltd

Address: Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China

FCC Registration Number: 790290

A2LA Certificate No.: 4408.01

IC Registration Number: 12191A

4 Equipment During Test

4.1 Equipments List

RF Conducted Test

Name of Equipment	Manufacturer	Model	Serial No.	Characteristics	Calibration Due	Calibration period
MXG Signal Analyzer	Agilent	N9020A	SER MY5111038	10Hz-30GHz	Aug. 21, 2022	1 year
Coaxial Cable	CDS	79254	46107086	10Hz-30GHz	Aug. 21, 2022	1 year
Power Meter	Anritsu	ML2495A	0949003	300MHz-40GHz	Aug. 21, 2022	1 year
Power Sensor	Anritsu	MA2411B	0917017	300MHz-40GHz	Aug. 21, 2022	1 year
Signal Analyzer 40GHZ	Rohde&Schwarz	FSV40	101456	10Hz-40GHz	Aug. 21, 2022	1 year

Remark: The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.

Name of Equipment	Manufacturer	Model	Serial No.	Characteristics	Calibration Due	Calibration period
EMI Test Receiver	Rohde&Schwarz	ESCI	101417	9KHz-3GHz	Aug. 21, 2022	1 year
Loop Antenna	Schwarzbeck	FMZB 1519	012	9 KHz -30MHz	Aug. 21, 2022	1 year
Bilog Antenna	SCHWARZBECK	VULB9160	9160-3355	25MHz-2GHz	Aug. 21, 2022	1 year
Preamplifier (low frequency)	SCHWARZBECK	BBV 9475	9745-0013	1MHz-1GHz	Aug. 21, 2022	1 year
Cable	Schwarzbeck	PLF-100	549489	9KHz-3GHz	Aug. 21, 2022	1 year
Spectrum Analyzer	Agilent	E4407B	MY45109572	9KHz-40GHz	Aug. 21, 2022	1 year
Horn Antenna	SCHWARZBECK	9120D	9120D-1246	1GHz-18GHz	Aug. 21, 2022	1 year
Power Amplifier	LUNAR EM	LNA1G18-40	J10100000081	1GHz-26.5GHz	Aug. 21, 2022	1 year

Horn Antenna	SCHWARZBECK	BBHA 9170	9170-181	14GHz-40GHz	Aug. 21, 2022	1 year
Amplifier	SCHWARZBECK	BBV 9721	9721-205	18GHz-40GHz	Aug. 21, 2022	1 year
Cable	H+S	CBL-26	N/A	1GHz-26.5GHz	Aug. 21, 2022	1 year
RF Cable	R&S	R204	R21X	1GHz-40GHz	Aug. 21, 2022	1 year

Conducted Emissions

Name of Equipment	Manufacturer	Model	Serial No.	Characteristics	Calibration Due	Calibration period
EMI Test Receiver	Rohde&Schwarz	ESCI	101417	9KHz-3GHz	Aug. 21, 2022	1 year
Artificial Mains Network	Rohde&Schwarz	ENV216	102453	9KHz-300MHz	Aug. 21, 2022	1 year
Artificial Mains Network	Rohde&Schwarz	ENV216	101342	9KHz-300MHz	Aug. 21, 2022	1 year

4.2 Measurement Uncertainty

Parameter	Uncertainty
RF output power, conducted	±1.0dB
Power Spectral Density, conducted	±2.2dB
Radio Frequency	± 1 x 10^{-6}
Bandwidth	± 1.5 x 10^{-6}
Time	±2%
Duty Cycle	±2%
Temperature	±1°C
Humidity	±5%
DC and low frequency voltages	±3%
Conducted Emissions (150kHz~30MHz)	±3.64dB
Radiated Emission(9kHz~30MHz)	±3.15dB
Radiated Emission(30MHz~1GHz)	±5.03dB
Radiated Emission(1GHz~18GHz)	±4.74dB
Radiated Emission(18GHz~40GHz)	±3.20dB

4.3 Description of Support Units

Equipment	Model No.	Series No.
Adapter	ADP-65JH-DB	N/A

5 Conducted Emission

Test Requirement:	:	FCC CFR 47 Part 15 Section 15.207
Test Method	:	ANSI C63.10: 2013
Test Result	:	PASS
Frequency Range	:	150kHz to 30MHz
Class/Severity	:	Class B

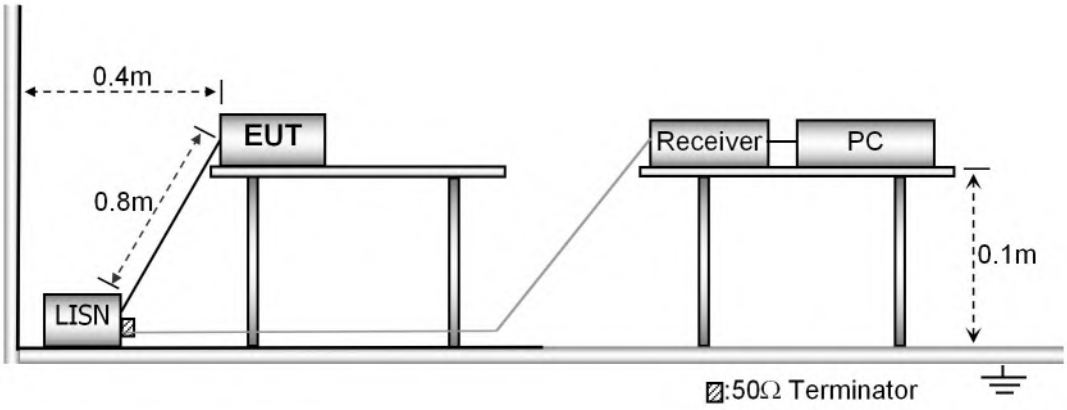
5.1 E.U.T. Operation

Operating Environment :

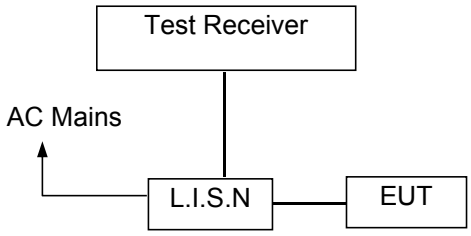
Temperature	:	23.9 °C
Humidity	:	51.4 % RH
Atmospheric Pressure	:	101.21kPa

5.2 EUT Setup

The conducted emission tests were performed using the setup accordance with the ANSI C63.10:2013.



5.3 Test SET-UP (Block Diagram of Configuration)



5.4 Measurement Procedure

1. The EUT was placed on a table, which is 0.1m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all frequency measured was complete.

5.5 Conducted Emission Limit

Conducted Emission

Frequency(MHz)	Quasi-peak	Average
0.15-0.5	66-56	56-46
0.5-5.0	56	46
5.0-30.0	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.

5.6 Measurement Description

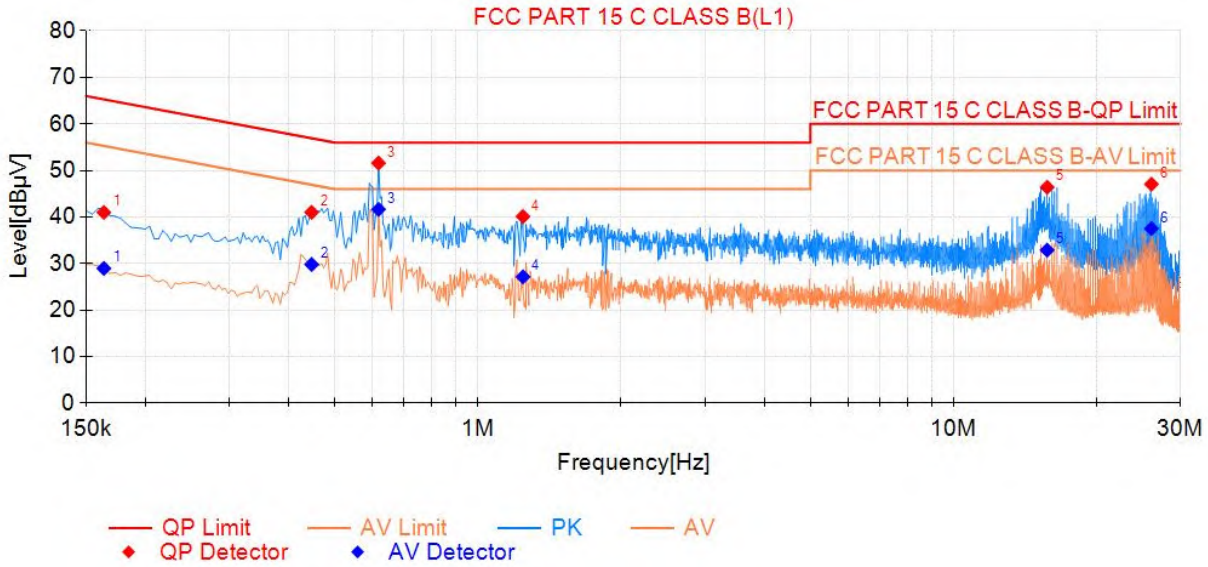
The maximised peak emissions from the EUT was scanned and measured for both the Live and Neutral Lines. Quasi-peak & average measurements were performed if peak emissions were within 6dB of the average limit line.

5.7 Conducted Emission Test Result

Pass.

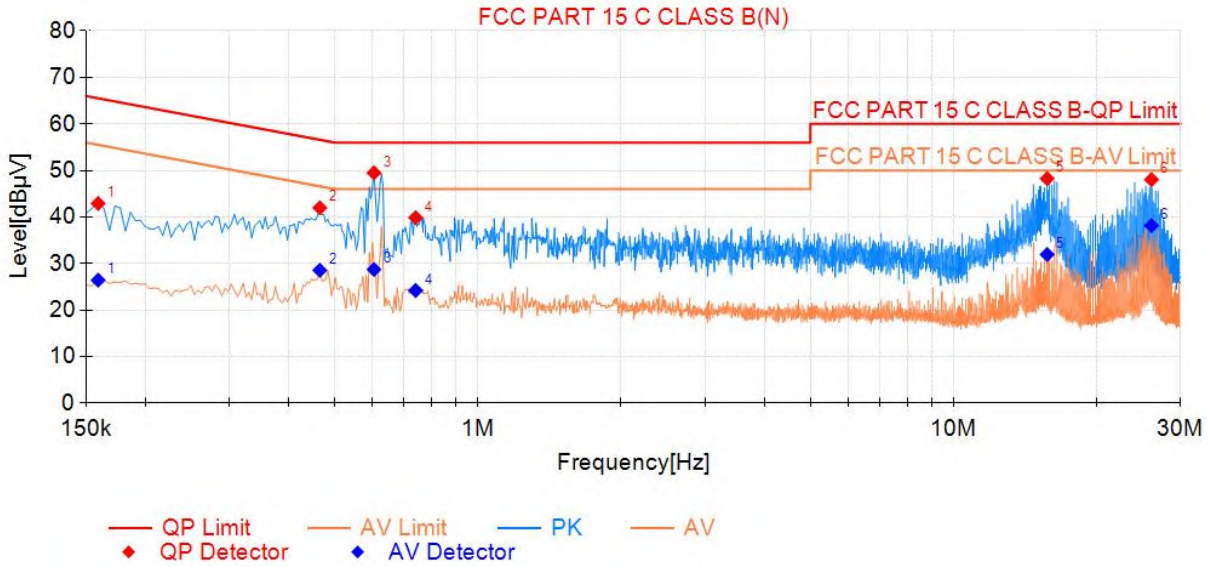
All the modulation modes were tested the data of the worst mode (AC 120V/60Hz, TX 5180MHz) are recorded in the following pages and the others modulation methods do not exceed the limits.

Line-AC 120V/60Hz



Final Data List								
NO.	Freq. [MHz]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Verdict
1	0.164	41.01	65.28	24.27	28.96	55.28	26.32	PASS
2	0.447	41.01	56.93	15.92	29.81	46.93	17.12	PASS
3	0.618	51.59	56.00	4.41	41.65	46.00	4.35	PASS
4	1.244	40.11	56.00	15.89	27.15	46.00	18.85	PASS
5	15.734	46.40	60.00	13.60	32.89	50.00	17.11	PASS
6	26.066	47.07	60.00	12.93	37.52	50.00	12.48	PASS

Neutral-AC 120V/60Hz



Final Data List								
NO.	Freq. [MHz]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Verdict
1	0.159	42.93	65.52	22.59	26.44	55.52	29.08	PASS
2	0.465	41.99	56.60	14.61	28.56	46.60	18.04	PASS
3	0.605	49.51	56.00	6.49	28.73	46.00	17.27	PASS
4	0.740	39.86	56.00	16.14	24.22	46.00	21.78	PASS
5	15.734	48.26	60.00	11.74	31.95	50.00	18.05	PASS
6	26.066	48.04	60.00	11.96	38.18	50.00	11.82	PASS

6 Radiated Spurious Emissions

Test Requirement	:	FCC CFR47 Part 15 Section 15.209 & 15.407(b)
Test Method	:	ANSI C63.10:2013
Test Result	:	PASS
Measurement Distance	:	3m

Limit

(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.

(ii) Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.

(5) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

(6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.

Further.

(7) The provisions of §15.205 apply to intentional radiators operating under this section.

(8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.As per FCC §15.35(d): Unless otherwise specified, on any frequency or frequencies above 1000 MHz, the radiated emission limits are based on the use of measurement instrumentation employing an average detector function. Unless otherwise specified, measurements above 1000 MHz shall be performed using a minimum resolution bandwidth of 1MHz

As per FCC §15.209(a): Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength		Field Strength Limit at 3m Measurement Dist	
	uV/m	Distance (m)	uV/m	dBuV/m
0.009 ~ 0.490	2400/F(kHz)	300	10000 * 2400/F(kHz)	$20\log^{(2400/F(kHz))} + 80$
0.490 ~ 1.705	24000/F(kHz)	30	100 * 24000/F(kHz)	$20\log^{(24000/F(kHz))} + 40$
1.705 ~ 30	30	30	100 * 30	$20\log^{(30)} + 40$
30 ~ 88	100	3	100	$20\log^{(100)}$
88 ~ 216	150	3	150	$20\log^{(150)}$
216 ~ 960	200	3	200	$20\log^{(200)}$
Above 960	500	3	500	$20\log^{(500)}$

6.1 EUT Operation

Operating Environment :

Temperature: : 24.5 °C

Humidity: : 52 % RH

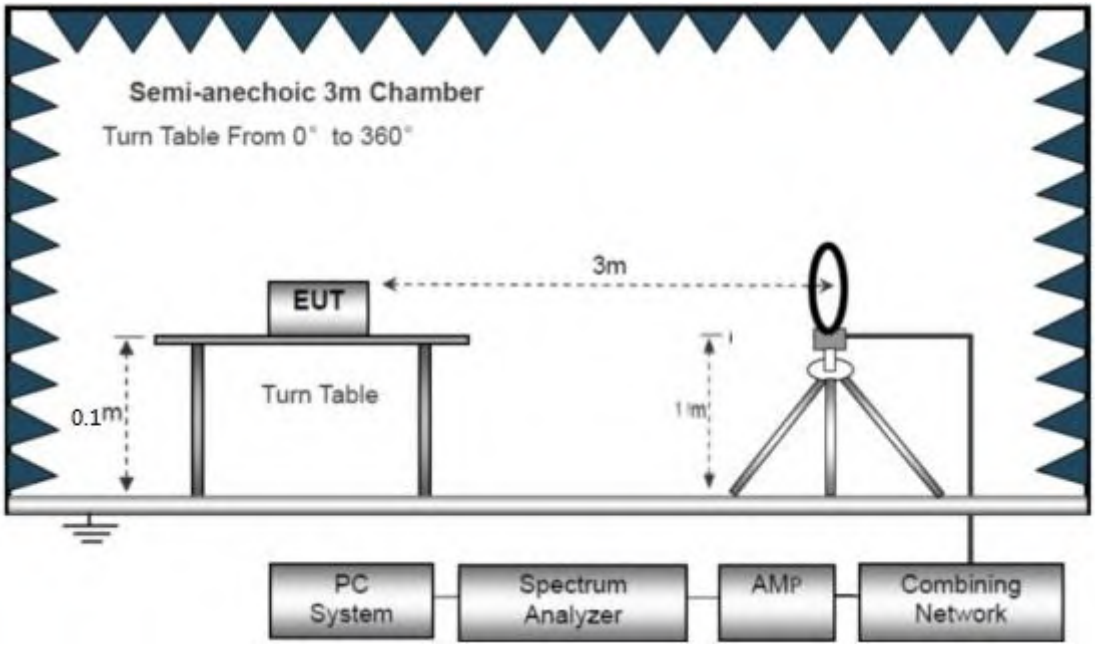
Atmospheric Pressure: : 101.3kPa

Test Voltage : AC 120V 60Hz

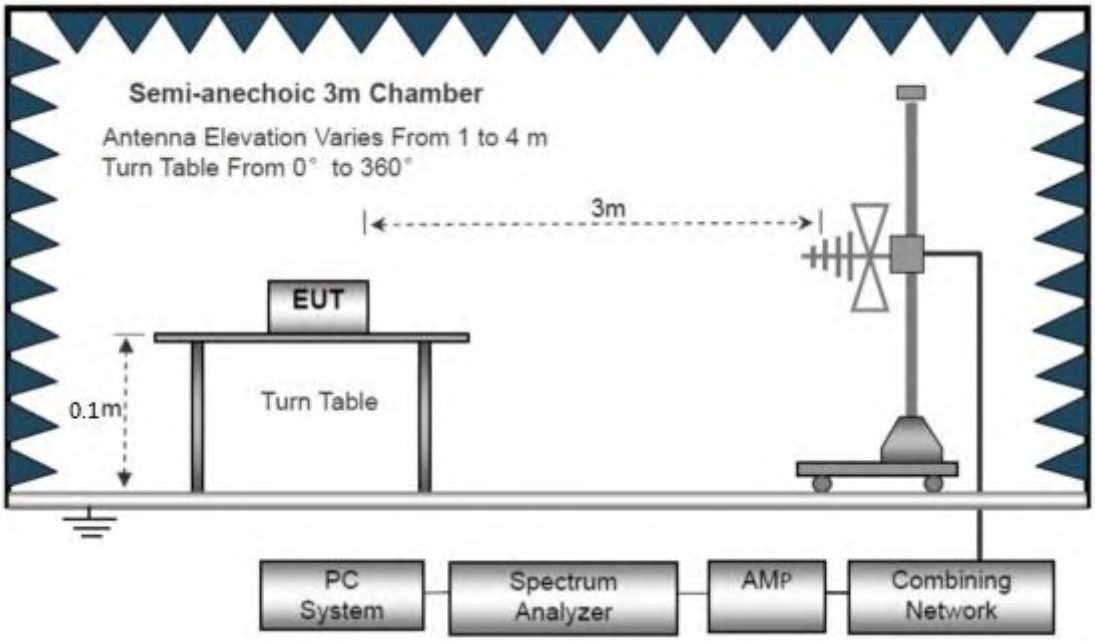
6.2 Test Setup

The radiated emission tests were performed in the 3m Semi- Anechoic Chamber test site

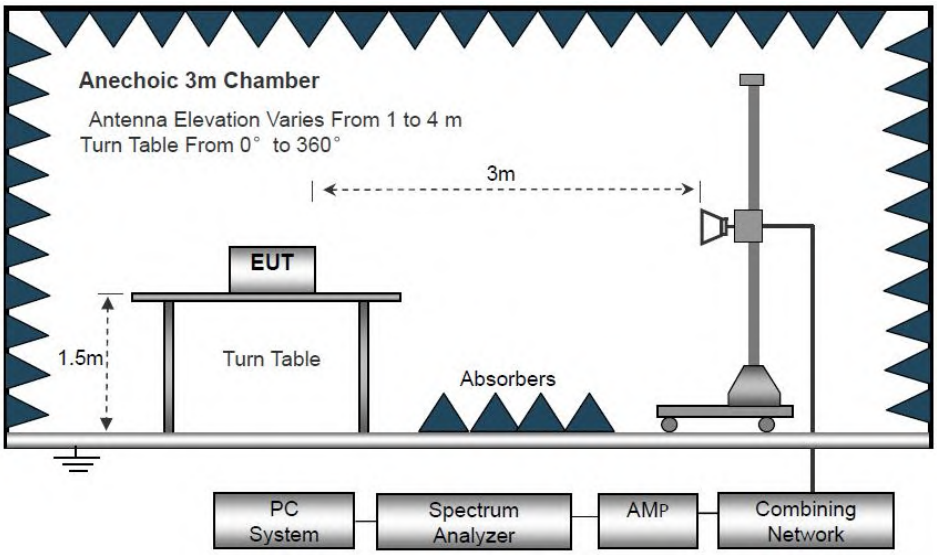
The test setup for emission measurement below 30MHz



The test setup for emission measurement from 30 MHz to 1 GHz.



The test setup for emission measurement above 1 GHz



6.3 Spectrum Analyzer Setup

	Frequency	Detector	RBW	VBW	Remark
Receiver Setup	Below 30MHz	--	10kHz	10kHz	--
	30MHz ~ 1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		RMS	1MHz	3MHz	Average Value

6.4 Test Procedure

1. Below 1000MHz, The EUT was placed on a turn table which is 0.8m above ground plane, And above 1000MHz, The EUT was placed on a styrofoam table which is 1.5m above ground plane.

2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.

3. EUT is set 3m away from the receiving antenna, which is moved from 1m to 4m to find out the maximum emissions. The spectrum was investigated from the lowest radio frequency signal generated in the device, without going below 9 kHz, up to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.

5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.

6. Repeat above procedures until the measurements for all frequencies are complete.

7. The radiation measurements are tested under 3-axes(X,Y,Z) position(X denotes lying on the table, Y denotes side stand and Z denotes vertical stand), After pre-test, It was found that the worse radiation emission was get at the X position. So the data shown was the X position only.

8. The test above 1GHz must be use the fully anechoic room, and the test below 1GHz use the half anechoic room

6.5 Summary of Test Results

Test Frequency: 9KHz-30MHz

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)
--	--	--	--	>20

Note:

The amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

Distance extrapolation factor =40log(Specific distance/ test distance)(dB);
Limit line=Specific limits(dBuV) + distance extrapolation factor.

Test Frequency: 30MHz ~ 1GHz

All the modulation modes were tested the data of the worst mode (TX 802.11a Channel 36，CH149) are recorded in the following pages and the others modulation methods do not exceed the limits.

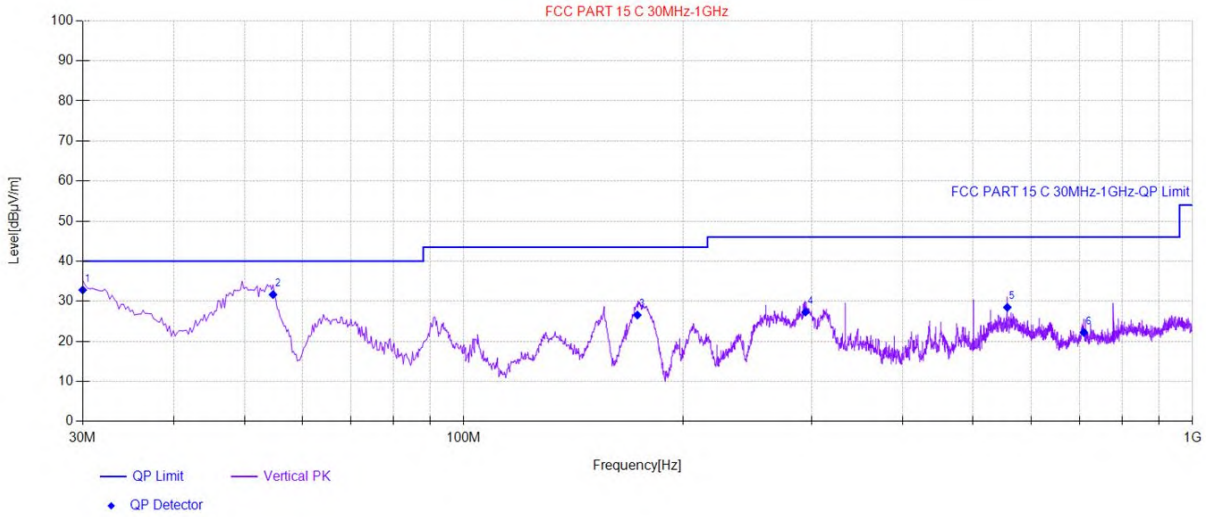
Please refer to the following test plots:

Antenna Polarization: Horizontal(CH36)

Final Data List[QP]							
NO.	Freq. [MHz]	QP Reading [dBμV/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	30.00	43.36	-18.35	25.01	40.00	14.99	Horizontal
2	94.51	41.64	-20.34	21.30	43.50	22.20	Horizontal
3	155.86	44.87	-16.04	28.83	43.50	14.67	Horizontal
4	174.29	35.02	-16.62	18.40	43.50	25.10	Horizontal
5	473.29	39.46	-11.52	27.94	46.00	18.06	Horizontal
6	701.97	38.59	-6.55	32.04	46.00	13.96	Horizontal

Remark:Emission Level=Reading+Cable Loss+ANT Factor-AMP Factor

Antenna Polarization: Vertical (CH36)



Final Data List[QP]							
NO.	Freq. [MHz]	QP Reading [dBμV/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	30.00	51.16	-18.35	32.81	40.00	7.19	Vertical
2	54.74	49.54	-17.88	31.66	40.00	8.34	Vertical
3	173.08	43.09	-16.53	26.56	43.50	16.94	Vertical
4	294.33	42.98	-15.69	27.29	46.00	18.71	Vertical
5	556.95	37.77	-9.29	28.48	46.00	17.52	Vertical
6	709.24	28.61	-6.38	22.23	46.00	23.77	Vertical

Remark:Emission Level=Reading+Cable Loss+ANT Factor-AMP Factor
Note: only the worst case recorded in the report.

Test Frequency: From 1GHz to 40GHz

Pre-scan all test modes

Only the worst case Main test data.

802.11a

Test Mode: 5180					Test channel: Lowest			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10360	47.65	35.22	5.36	31.25	56.98	68.23	-11.25	V
15540	42.24	35.96	7.85	30.63	55.42	68.23	-12.81	V
20720	43.13	39.12	8.56	34.95	55.86	68.23	-12.37	V
10360	48.34	34.12	5.36	31.25	56.57	68.23	-11.66	H
15540	42.19	36.52	7.85	30.63	55.93	68.23	-12.30	H
20720	43.07	40.01	8.56	34.95	56.69	68.23	-11.54	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10360	33.52	34.56	5.36	31.25	42.19	54	-11.81	V
15540	30.16	36.22	7.85	30.63	43.60	54	-10.40	V
20720	28.12	38.97	8.56	34.95	40.70	54	-13.30	V
10360	32.25	33.57	5.36	31.25	39.93	54	-14.07	H
15540	24.56	36.49	7.85	30.63	38.27	54	-15.73	H
20720	27.30	39.92	8.56	34.95	40.83	54	-13.17	H

802.11a

Test Mode:5200					Test channel: Middle			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10400	47.74	35.63	5.36	31.25	57.48	68.23	-10.75	V
15600	43.33	35.91	7.85	30.63	56.46	68.23	-11.77	V
20800	44.33	39.67	8.56	34.95	57.61	68.23	-10.62	V
10400	46.74	34.25	5.36	31.25	55.10	68.23	-13.13	H
15600	41.95	37.02	7.85	30.63	56.19	68.23	-12.04	H
20800	43.11	38.88	8.56	34.95	55.60	68.23	-12.63	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10400	33.84	34.39	5.36	31.25	42.34	54	-11.66	V
15600	28.70	36.74	7.85	30.63	42.66	54	-11.34	V
20800	29.47	38.96	8.56	34.95	42.04	54	-11.96	V
10400	33.29	33.77	5.36	31.25	41.17	54	-12.83	H
15600	28.77	36.69	7.85	30.63	42.68	54	-11.32	H
20800	30.16	39.35	8.56	34.95	43.12	54	-10.88	H

802.11a

Test Mode:5240					Test channel: High			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10480	45.47	34.68	5.36	31.25	54.26	68.23	-13.97	V
17520	43.30	36.52	7.85	30.63	57.04	68.23	-11.19	V
20960	44.37	38.77	8.56	34.95	56.75	68.23	-11.48	V
10480	46.97	33.99	5.36	31.25	55.07	68.23	-13.16	H
17520	44.95	36.84	7.85	30.63	59.01	68.23	-9.22	H
20960	46.01	39.93	8.56	34.95	59.55	68.23	-8.68	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10480	33.51	34.82	5.36	31.25	42.44	54	-11.56	V
17520	29.07	36.91	7.85	30.63	43.20	54	-10.80	V
20960	30.28	38.74	8.56	34.95	42.63	54	-11.37	V
10480	32.51	33.95	5.36	31.25	40.57	54	-13.43	H
17520	27.00	36.63	7.85	30.63	40.85	54	-13.15	H
20960	29.41	39.91	8.56	34.95	42.93	54	-11.07	H

802.11a

Test Mode: 5745					Test channel: Lowest			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
11490	47.52	35.26	5.42	31.75	56.45	68.23	-11.78	V
17235	42.34	36.88	7.32	30.96	55.58	68.23	-12.65	V
22980	43.82	39.14	8.85	35.25	56.56	68.23	-11.67	V
11490	49.66	34.21	5.42	31.75	57.54	68.23	-10.69	H
17235	43.99	37.52	7.32	30.96	57.87	68.23	-10.36	H
22980	44.44	39.88	8.85	35.25	57.92	68.23	-10.31	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
11490	32.37	34.96	5.42	31.75	41.00	54	-13.00	V
17235	30.17	36.74	7.32	30.96	43.27	54	-10.73	V
22980	29.50	39.14	8.85	35.25	42.24	54	-11.76	V
11490	31.38	34.02	5.42	31.75	39.07	54	-14.93	H
17235	28.76	36.57	7.32	30.96	41.69	54	-12.31	H
22980	29.16	39.89	8.85	35.25	42.65	54	-11.35	H

802.11a

Test Mode:5785					Test channel: Middle			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
11570	48.28	35.26	5.42	31.75	57.21	68.23	-11.02	V
17355	44.27	36.88	7.32	30.96	57.51	68.23	-10.72	V
23140	45.42	39.14	8.85	35.25	58.16	68.23	-10.07	V
11570	48.36	34.21	5.42	31.75	56.24	68.23	-11.99	H
17355	42.22	37.52	7.32	30.96	56.10	68.23	-12.13	H
23140	43.49	39.88	8.85	35.25	56.97	68.23	-11.26	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
11570	33.07	34.96	5.42	31.75	41.70	54	-12.30	V
17355	29.54	36.74	7.32	30.96	42.64	54	-11.36	V
23140	28.47	39.14	8.85	35.25	41.21	54	-12.79	V
11570	34.39	34.02	5.42	31.75	42.08	54	-11.92	H
17355	29.73	36.57	7.32	30.96	42.66	54	-11.34	H
23140	29.18	39.89	8.85	35.25	42.67	54	-11.33	H

802.11a

Test Mode:5825					Test channel: High			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
11650	48.56	35.26	5.42	31.75	57.49	68.23	-10.74	V
17475	44.54	36.88	7.32	30.96	57.78	68.23	-10.45	V
23300	45.63	39.14	8.85	35.25	58.37	68.23	-9.86	V
11650	49.08	34.21	5.42	31.75	56.96	68.23	-11.27	H
17475	44.33	37.52	7.32	30.96	58.21	68.23	-10.02	H
23300	44.75	39.88	8.85	35.25	58.23	68.23	-10.00	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
11650	34.69	34.96	5.42	31.75	43.32	54	-10.68	V
17475	28.79	36.74	7.32	30.96	41.89	54	-12.11	V
23300	30.08	39.14	8.85	35.25	42.82	54	-11.18	V
11650	33.42	34.02	5.42	31.75	41.11	54	-12.89	H
17475	28.75	36.57	7.32	30.96	41.68	54	-12.32	H
23300	28.78	39.89	8.85	35.25	42.27	54	-11.73	H

802.11n20

Test Mode: 5180					Test channel: Lowest			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10360	45.50	34.56	5.36	31.25	54.17	68.23	-14.06	V
15540	43.05	36.22	7.85	30.63	56.49	68.23	-11.74	V
20720	44.07	38.97	8.56	34.95	56.65	68.23	-11.58	V
10360	49.06	33.57	5.36	31.25	56.74	68.23	-11.49	H
15540	40.46	36.49	7.85	30.63	54.17	68.23	-14.06	H
20720	41.71	39.92	8.56	34.95	55.24	68.23	-12.99	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10360	32.25	34.56	5.36	31.25	40.92	54	-13.08	V
15540	29.60	36.22	7.85	30.63	43.04	54	-10.96	V
20720	27.89	38.97	8.56	34.95	40.47	54	-13.53	V
10360	31.86	33.57	5.36	31.25	39.54	54	-14.46	H
15540	27.14	36.49	7.85	30.63	40.85	54	-13.15	H
20720	28.24	39.92	8.56	34.95	41.77	54	-12.23	H

802.11n20

Test Mode:5200					Test channel: Middle			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10400	48.26	34.63	5.36	31.25	57.00	68.23	-11.23	V
15600	44.11	36.42	7.85	30.63	57.75	68.23	-10.48	V
20800	44.99	38.81	8.56	34.95	57.41	68.23	-10.82	V
10400	47.66	33.93	5.36	31.25	55.70	68.23	-12.53	H
15600	43.45	36.55	7.85	30.63	57.22	68.23	-11.01	H
20800	44.08	39.94	8.56	34.95	57.63	68.23	-10.60	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10400	32.69	34.39	5.36	31.25	41.19	54	-12.81	V
15600	28.67	36.74	7.85	30.63	42.63	54	-11.37	V
20800	28.80	38.96	8.56	34.95	41.37	54	-12.63	V
10400	33.34	33.77	5.36	31.25	41.22	54	-12.78	H
15600	28.66	36.69	7.85	30.63	42.57	54	-11.43	H
20800	29.83	39.35	8.56	34.95	42.79	54	-11.21	H

802.11n20

Test Mode:5240					Test channel: High			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10480	45.43	34.68	5.36	31.25	54.22	68.23	-14.01	V
17520	44.84	36.52	7.85	30.63	58.58	68.23	-9.65	V
20960	42.73	38.77	8.56	34.95	55.11	68.23	-13.12	V
10480	46.36	33.99	5.36	31.25	54.46	68.23	-13.77	H
17520	46.05	36.84	7.85	30.63	60.11	68.23	-8.12	H
20960	43.94	39.93	8.56	34.95	57.48	68.23	-10.75	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10480	31.64	34.82	5.36	31.25	40.57	54	-13.43	V
17520	28.00	36.91	7.85	30.63	42.13	54	-11.87	V
20960	28.23	38.74	8.56	34.95	40.58	54	-13.42	V
10480	30.98	33.95	5.36	31.25	39.04	54	-14.96	H
17520	27.71	36.63	7.85	30.63	41.56	54	-12.44	H
20960	29.56	39.91	8.56	34.95	43.08	54	-10.92	H

802.11n20

Test Mode: 5745					Test channel: Lowest			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
11490	49.28	35.26	5.42	31.75	58.21	68.23	-10.02	V
17235	42.43	36.88	7.32	30.96	55.67	68.23	-12.56	V
22980	43.01	39.14	8.85	35.25	55.75	68.23	-12.48	V
11490	49.53	34.21	5.42	31.75	57.41	68.23	-10.82	H
17235	43.97	37.52	7.32	30.96	57.85	68.23	-10.38	H
22980	45.16	39.88	8.85	35.25	58.64	68.23	-9.59	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
11490	33.47	34.96	5.42	31.75	42.10	54	-11.90	V
17235	29.97	36.74	7.32	30.96	43.07	54	-10.93	V
22980	29.76	39.14	8.85	35.25	42.50	54	-11.50	V
11490	33.14	34.02	5.42	31.75	40.83	54	-13.17	H
17235	28.27	36.57	7.32	30.96	41.20	54	-12.80	H
22980	28.98	39.89	8.85	35.25	42.47	54	-11.53	H

802.11n20

Test Mode:5785					Test channel: Middle			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
11570	45.88	35.26	5.42	31.75	54.81	68.23	-13.42	V
17355	43.96	36.88	7.32	30.96	57.20	68.23	-11.03	V
23140	45.01	39.14	8.85	35.25	57.75	68.23	-10.48	V
11570	47.99	34.21	5.42	31.75	55.87	68.23	-12.36	H
17355	42.66	37.52	7.32	30.96	56.54	68.23	-11.69	H
23140	41.78	39.88	8.85	35.25	55.26	68.23	-12.97	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
11570	33.39	34.96	5.42	31.75	42.02	54	-11.98	V
17355	30.26	36.74	7.32	30.96	43.36	54	-10.64	V
23140	29.69	39.14	8.85	35.25	42.43	54	-11.57	V
11570	33.76	34.02	5.42	31.75	41.45	54	-12.55	H
17355	29.90	36.57	7.32	30.96	42.83	54	-11.17	H
23140	29.17	39.89	8.85	35.25	42.66	54	-11.34	H

802.11n20

Test Mode:5825					Test channel: High			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
11650	47.74	35.26	5.42	31.75	56.67	68.23	-11.56	V
17475	44.71	36.88	7.32	30.96	57.95	68.23	-10.28	V
23300	45.33	39.14	8.85	35.25	58.07	68.23	-10.16	V
11650	49.05	34.21	5.42	31.75	56.93	68.23	-11.30	H
17475	44.36	37.52	7.32	30.96	58.24	68.23	-9.99	H
23300	45.62	39.88	8.85	35.25	59.10	68.23	-9.13	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
11650	35.50	34.96	5.42	31.75	44.13	54	-9.87	V
17475	29.18	36.74	7.32	30.96	42.28	54	-11.72	V
23300	27.81	39.14	8.85	35.25	40.55	54	-13.45	V
11650	32.87	34.02	5.42	31.75	40.56	54	-13.44	H
17475	28.29	36.57	7.32	30.96	41.22	54	-12.78	H
23300	29.11	39.89	8.85	35.25	42.60	54	-11.40	H

802.11ac20

Test Mode: 5180					Test channel: Lowest			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10360	45.59	34.56	5.36	31.25	54.26	68.23	-13.97	V
15540	42.97	36.22	7.85	30.63	56.41	68.23	-11.82	V
20720	44.01	38.97	8.56	34.95	56.59	68.23	-11.64	V
10360	49.47	33.57	5.36	31.25	57.15	68.23	-11.08	H
15540	40.35	36.49	7.85	30.63	54.06	68.23	-14.17	H
20720	41.95	39.92	8.56	34.95	55.48	68.23	-12.75	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10360	31.99	34.56	5.36	31.25	40.66	54	-13.34	V
15540	29.36	36.22	7.85	30.63	42.80	54	-11.20	V
20720	28.30	38.97	8.56	34.95	40.88	54	-13.12	V
10360	32.08	33.57	5.36	31.25	39.76	54	-14.24	H
15540	26.91	36.49	7.85	30.63	40.62	54	-13.38	H
20720	27.75	39.92	8.56	34.95	41.28	54	-12.72	H

802.11ac20

Test Mode:5200					Test channel: Middle			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10400	48.18	34.63	5.36	31.25	56.92	68.23	-11.31	V
15600	44.04	36.42	7.85	30.63	57.68	68.23	-10.55	V
20800	44.90	38.81	8.56	34.95	57.32	68.23	-10.91	V
10400	47.88	33.93	5.36	31.25	55.92	68.23	-12.31	H
15600	43.40	36.55	7.85	30.63	57.17	68.23	-11.06	H
20800	44.05	39.94	8.56	34.95	57.60	68.23	-10.63	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10400	32.81	34.39	5.36	31.25	41.31	54	-12.69	V
15600	28.54	36.74	7.85	30.63	42.50	54	-11.50	V
20800	28.79	38.96	8.56	34.95	41.36	54	-12.64	V
10400	33.18	33.77	5.36	31.25	41.06	54	-12.94	H
15600	28.25	36.69	7.85	30.63	42.16	54	-11.84	H
20800	29.48	39.35	8.56	34.95	42.44	54	-11.56	H

802.11ac20

Test Mode:5240					Test channel: High			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10480	45.74	34.68	5.36	31.25	54.53	68.23	-13.70	V
17520	44.46	36.52	7.85	30.63	58.20	68.23	-10.03	V
20960	43.20	38.77	8.56	34.95	55.58	68.23	-12.65	V
10480	46.63	33.99	5.36	31.25	54.73	68.23	-13.50	H
17520	45.74	36.84	7.85	30.63	59.80	68.23	-8.43	H
20960	43.91	39.93	8.56	34.95	57.45	68.23	-10.78	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10480	31.84	34.82	5.36	31.25	40.77	54	-13.23	V
17520	27.82	36.91	7.85	30.63	41.95	54	-12.05	V
20960	28.38	38.74	8.56	34.95	40.73	54	-13.27	V
10480	30.56	33.95	5.36	31.25	38.62	54	-15.38	H
17520	27.22	36.63	7.85	30.63	41.07	54	-12.93	H
20960	29.60	39.91	8.56	34.95	43.12	54	-10.88	H

802.11ac20

Test Mode: 5745					Test channel: Lowest			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
11490	49.56	35.26	5.42	31.75	58.49	68.23	-9.74	V
17235	42.81	36.88	7.32	30.96	56.05	68.23	-12.18	V
22980	43.04	39.14	8.85	35.25	55.78	68.23	-12.45	V
11490	49.27	34.21	5.42	31.75	57.15	68.23	-11.08	H
17235	44.17	37.52	7.32	30.96	58.05	68.23	-10.18	H
22980	45.05	39.88	8.85	35.25	58.53	68.23	-9.70	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
11490	33.50	34.96	5.42	31.75	42.13	54	-11.87	V
17235	30.08	36.74	7.32	30.96	43.18	54	-10.82	V
22980	29.63	39.14	8.85	35.25	42.37	54	-11.63	V
11490	33.19	34.02	5.42	31.75	40.88	54	-13.12	H
17235	28.63	36.57	7.32	30.96	41.56	54	-12.44	H
22980	29.42	39.89	8.85	35.25	42.91	54	-11.09	H

802.11ac20

Test Mode:5785					Test channel: Middle			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
11570	45.86	35.26	5.42	31.75	54.79	68.23	-13.44	V
17355	44.12	36.88	7.32	30.96	57.36	68.23	-10.87	V
23140	45.21	39.14	8.85	35.25	57.95	68.23	-10.28	V
11570	48.10	34.21	5.42	31.75	55.98	68.23	-12.25	H
17355	42.64	37.52	7.32	30.96	56.52	68.23	-11.71	H
23140	41.70	39.88	8.85	35.25	55.18	68.23	-13.05	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
11570	33.84	34.96	5.42	31.75	42.47	54	-11.53	V
17355	29.99	36.74	7.32	30.96	43.09	54	-10.91	V
23140	29.30	39.14	8.85	35.25	42.04	54	-11.96	V
11570	33.78	34.02	5.42	31.75	41.47	54	-12.53	H
17355	30.07	36.57	7.32	30.96	43.00	54	-11.00	H
23140	29.64	39.89	8.85	35.25	43.13	54	-10.87	H

802.11ac20

Test Mode:5825					Test channel: High			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
11650	47.79	35.26	5.42	31.75	56.72	68.23	-11.51	V
17475	44.71	36.88	7.32	30.96	57.95	68.23	-10.28	V
23300	45.02	39.14	8.85	35.25	57.76	68.23	-10.47	V
11650	49.24	34.21	5.42	31.75	57.12	68.23	-11.11	H
17475	44.94	37.52	7.32	30.96	58.82	68.23	-9.41	H
23300	45.41	39.88	8.85	35.25	58.89	68.23	-9.34	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
11650	35.53	34.96	5.42	31.75	44.16	54	-9.84	V
17475	29.19	36.74	7.32	30.96	42.29	54	-11.71	V
23300	28.04	39.14	8.85	35.25	40.78	54	-13.22	V
11650	33.26	34.02	5.42	31.75	40.95	54	-13.05	H
17475	28.67	36.57	7.32	30.96	41.60	54	-12.40	H
23300	29.30	39.89	8.85	35.25	42.79	54	-11.21	H

802.11n40

Test Mode:5190					Test channel: High			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10380	46.36	35.26	5.42	31.75	55.29	68.23	-12.94	V
15570	42.79	36.88	7.32	30.96	56.03	68.23	-12.2	V
20760	42.61	39.14	8.85	35.25	55.35	68.23	-12.88	V
10380	47.02	34.21	5.42	31.75	54.9	68.23	-13.33	H
15570	42.98	37.52	7.32	30.96	56.86	68.23	-11.37	H
20760	43.13	39.88	8.85	35.25	56.61	68.23	-11.62	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10380	32.02	34.96	5.42	31.75	40.65	54	-13.35	V
15570	27.91	36.74	7.32	30.96	41.01	54	-12.99	V
20760	29.03	39.14	8.85	35.25	41.77	54	-12.23	V
10380	33.12	34.02	5.42	31.75	40.81	54	-13.19	H
15570	28.54	36.57	7.32	30.96	41.47	54	-12.53	H
20760	28.88	39.89	8.85	35.25	42.37	54	-11.63	H

802.11n40

Test Mode:5230					Test channel: High			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10460	47.14	35.26	5.42	31.75	56.07	68.23	-12.16	V
15690	42.66	36.88	7.32	30.96	55.9	68.23	-12.33	V
20920	43.31	39.14	8.85	35.25	56.05	68.23	-12.18	V
10460	46.52	34.21	5.42	31.75	54.4	68.23	-13.83	H
15690	42.02	37.52	7.32	30.96	55.9	68.23	-12.33	H
20920	43.16	39.88	8.85	35.25	56.64	68.23	-11.59	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10460	33.52	34.96	5.42	31.75	42.15	54	-11.85	V
15690	27.22	36.74	7.32	30.96	40.32	54	-13.68	V
20920	29.56	39.14	8.85	35.25	42.3	54	-11.7	V
10460	35.61	34.02	5.42	31.75	43.3	54	-10.7	H
15690	27.46	36.57	7.32	30.96	40.39	54	-13.61	H
20920	28.54	39.89	8.85	35.25	42.03	54	-11.97	H

802.11ac40

Test Mode:5190					Test channel:LOW			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10380	47.04	35.26	5.42	31.75	55.97	68.23	-12.26	V
15570	44.21	36.88	7.32	30.96	57.45	68.23	-10.78	V
20760	45.32	39.14	8.85	35.25	58.06	68.23	-10.17	V
10380	49.65	34.21	5.42	31.75	57.53	68.23	-10.7	H
15570	44.28	37.52	7.32	30.96	58.16	68.23	-10.07	H
20760	45.16	39.88	8.85	35.25	58.64	68.23	-9.59	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10380	33.05	34.96	5.42	31.75	41.68	54	-12.32	V
15570	28.45	36.74	7.32	30.96	41.55	54	-12.45	V
20760	27.74	39.14	8.85	35.25	40.48	54	-13.52	V
10380	33.33	34.02	5.42	31.75	41.02	54	-12.98	H
15570	27.69	36.57	7.32	30.96	40.62	54	-13.38	H
20760	28.22	39.89	8.85	35.25	41.71	54	-12.29	H

802.11ac40

Test Mode:5230					Test channel: High			
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10460	46.66	35.26	5.42	31.75	55.59	68.23	-12.64	V
15690	42.87	36.88	7.32	30.96	56.11	68.23	-12.12	V
20920	43.31	39.14	8.85	35.25	56.05	68.23	-12.18	V
10460	46.39	34.21	5.42	31.75	54.27	68.23	-13.96	H
15690	43.05	37.52	7.32	30.96	56.93	68.23	-11.3	H
20920	42.16	39.88	8.85	35.25	55.64	68.23	-12.59	H
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.
10460	34.19	34.96	5.42	31.75	42.82	54	-11.18	V
15690	28.47	36.74	7.32	30.96	41.57	54	-12.43	V
20920	29.16	39.14	8.85	35.25	41.9	54	-12.1	V
10460	33.25	34.02	5.42	31.75	40.94	54	-13.06	H
15690	28.65	36.57	7.32	30.96	41.58	54	-12.42	H
20920	28.15	39.89	8.85	35.25	41.64	54	-12.36	H

Note:

1. The testing has been conformed to 10*5825MHz=58250MHz.
2. All other emissions more than 30dB below the limit.
3. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
   Emission Level = Reading + Factor
   Margin=Emission Level-Limit
4. X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case.

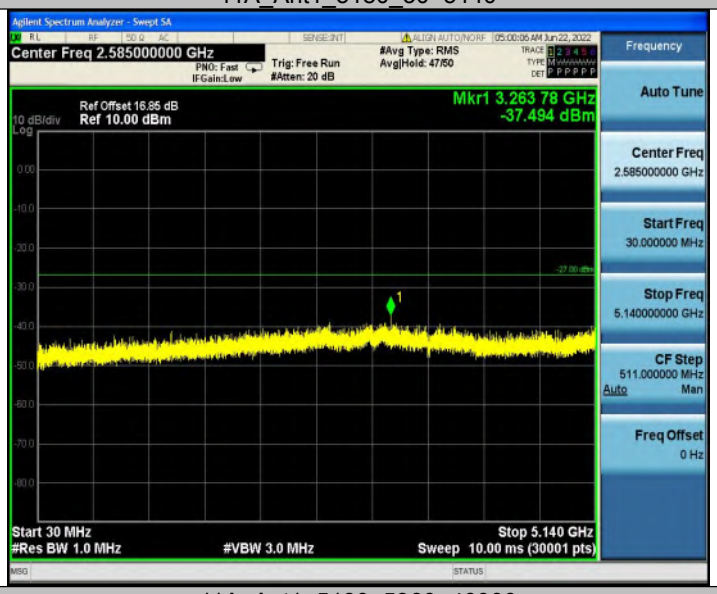
Undesirable emission

TestMode	Antenna	Channel	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	3263.78	-37.49	≤-27	PASS
			5360~40000	25773.01	-30.99	≤-27	PASS
		5220	30~5140	3289.16	-38.15	≤-27	PASS
			5360~40000	25750.65	-30.92	≤-27	PASS
		5240	30~5140	3219.15	-37.97	≤-27	PASS
			5360~40000	25730.45	-30.69	≤-27	PASS
		5745	30~5650	3047.38	-39.85	≤-27	PASS
			5925~40000	25841.58	-28.17	≤-27	PASS
		5785	30~5650	3282.86	-39.55	≤-27	PASS
			5925~40000	25762.9	-28	≤-27	PASS
		5825	30~5650	3324.44	-39.13	≤-27	PASS
			5925~40000	25845.09	-28.01	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	3046.77	-38.78	≤-27	PASS
			5360~40000	25744.88	-30.57	≤-27	PASS
		5220	30~5140	3896.91	-38.68	≤-27	PASS
			5360~40000	25801.87	-30.33	≤-27	PASS
		5240	30~5140	3055.12	-37.51	≤-27	PASS
			5360~40000	25750.65	-29.95	≤-27	PASS
		5745	30~5650	2786.8	-39.45	≤-27	PASS
			5925~40000	25224.08	-28.68	≤-27	PASS
		5785	30~5650	3336.43	-39.2	≤-27	PASS
			5925~40000	25687.03	-28.37	≤-27	PASS
		5825	30~5650	3055.25	-38.92	≤-27	PASS
			5925~40000	25752.36	-27.31	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	3170.61	-37.83	≤-27	PASS
			5360~40000	25773.73	-30.79	≤-27	PASS
		5230	30~5140	3299.89	-38.06	≤-27	PASS
			5360~40000	25716.75	-29.51	≤-27	PASS
		5755	30~5650	3187.69	-39.93	≤-27	PASS
			5925~40000	25785.38	-29.14	≤-27	PASS
		5795	30~5650	3207.55	-39.04	≤-27	PASS
			5925~40000	25724.26	-27.66	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	3326.8	-38.61	≤-27	PASS
			5360~40000	26241.88	-31.3	≤-27	PASS
		5220	30~5140	3190.19	-38.13	≤-27	PASS
			5360~40000	25748.49	-30.74	≤-27	PASS
		5240	30~5140	3012.37	-38.36	≤-27	PASS
			5360~40000	25118.04	-31.28	≤-27	PASS
		5745	30~5650	3111.63	-39.84	≤-27	PASS
			5925~40000	25700.38	-28.89	≤-27	PASS
		5785	30~5650	3187.69	-39.43	≤-27	PASS
			5925~40000	25688.43	-27.67	≤-27	PASS
		5825	30~5650	3063.49	-39.93	≤-27	PASS
			5925~40000	26260.97	-27.61	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	2690.27	-38.69	≤-27	PASS
			5360~40000	25797.54	-31.87	≤-27	PASS
		5230	30~5140	3215.91	-37.81	≤-27	PASS
			5360~40000	25674.19	-31.19	≤-27	PASS
		5755	30~5650	3196.5	-40.48	≤-27	PASS
			5925~40000	25749.55	-28.83	≤-27	PASS
		5795	30~5650	3310.21	-39.62	≤-27	PASS
			5925~40000	25731.29	-28.58	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	3346.39	-38.85	≤-27	PASS

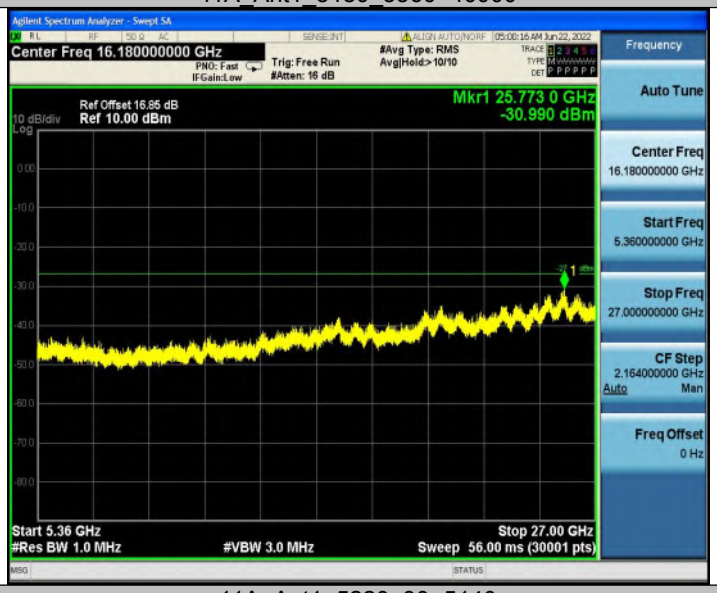
			5360~40000	25765.8	-31.32	≤-27	PASS
		5775	30~5650	2347.13	-39.5	≤-27	PASS
			5925~40000	25777.65	-27.96	≤-27	PASS

Test Graphs:

11A_Ant1_5180_30~5140

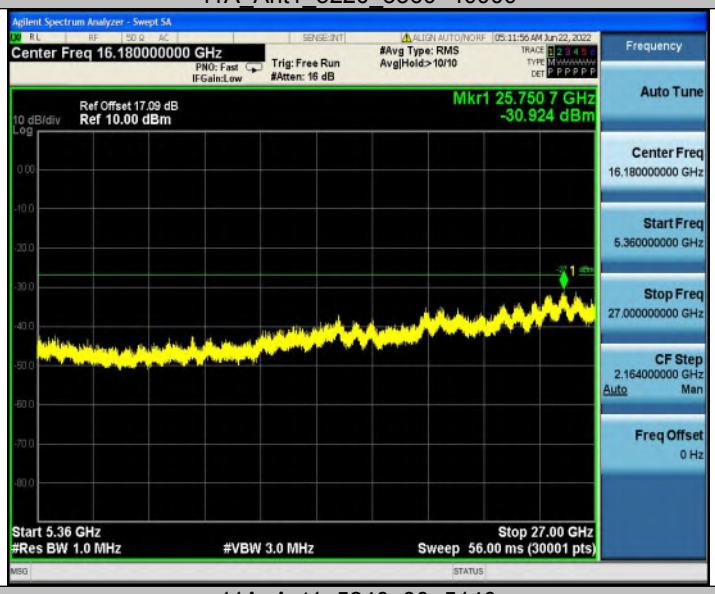


11A_Ant1_5180_5360~40000



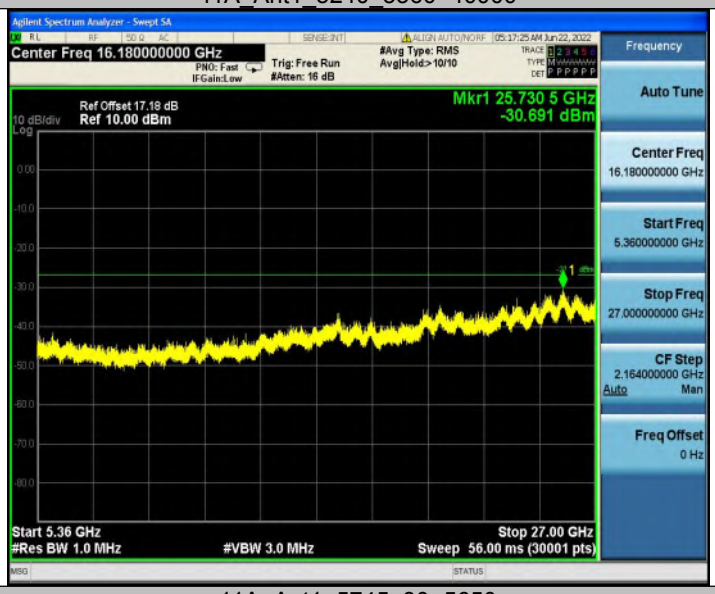
11A_Ant1_5220_30~5140

11A_Ant1_5220_5360~40000

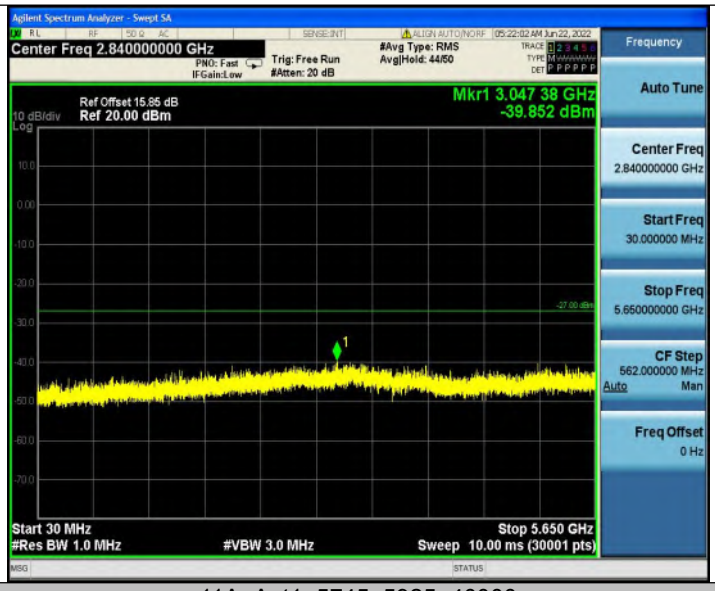


11A_Ant1_5240_30~5140

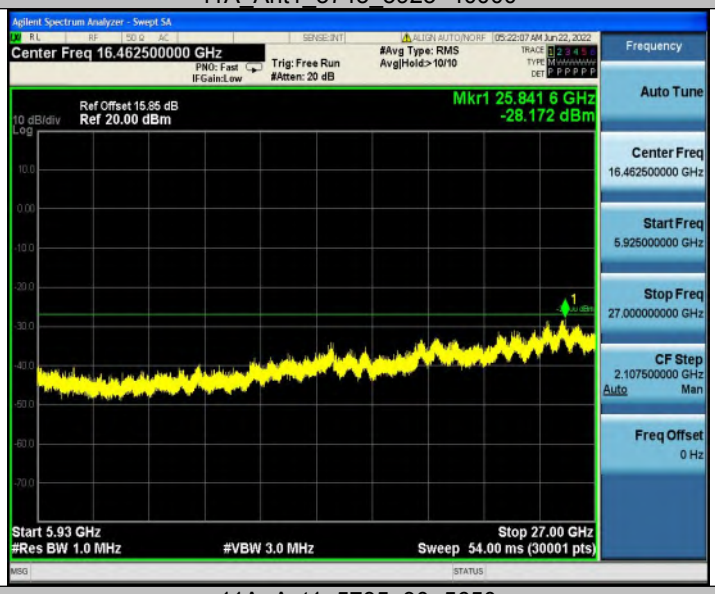
11A_Ant1_5240_5360~40000



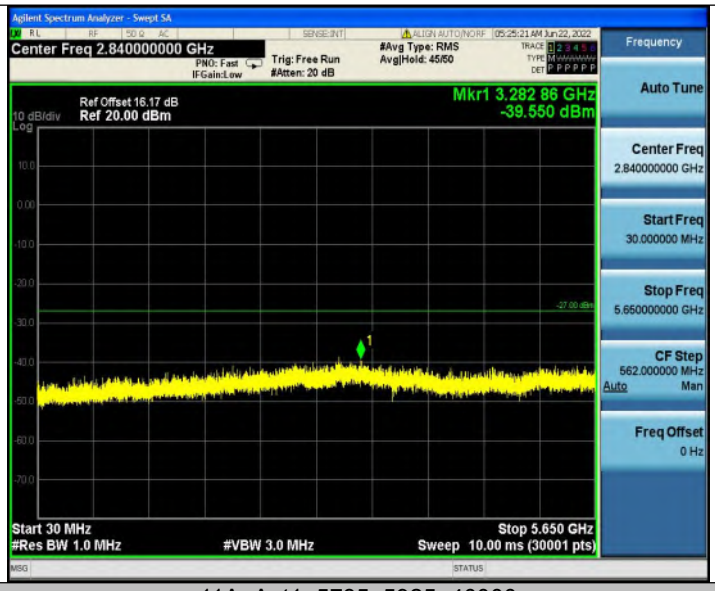
11A_Ant1_5745_30~5650



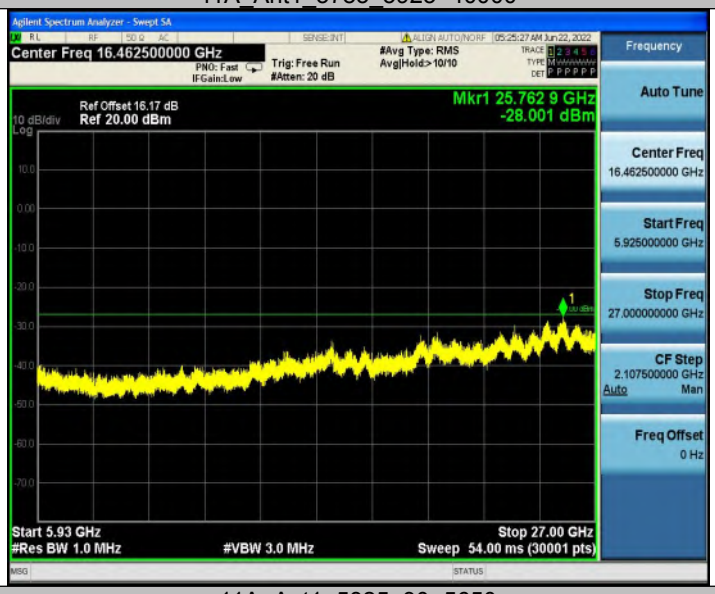
11A_Ant1_5745_5925~40000



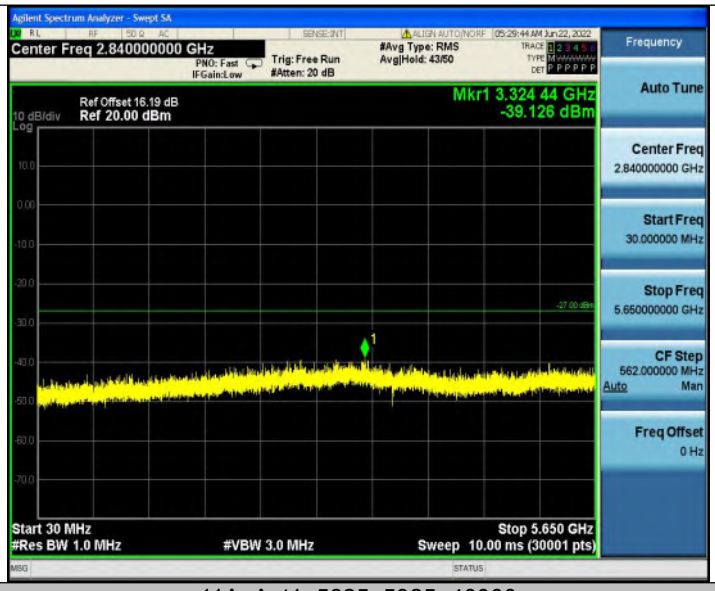
11A_Ant1_5785_30~5650



11A_Ant1_5785_5925~40000



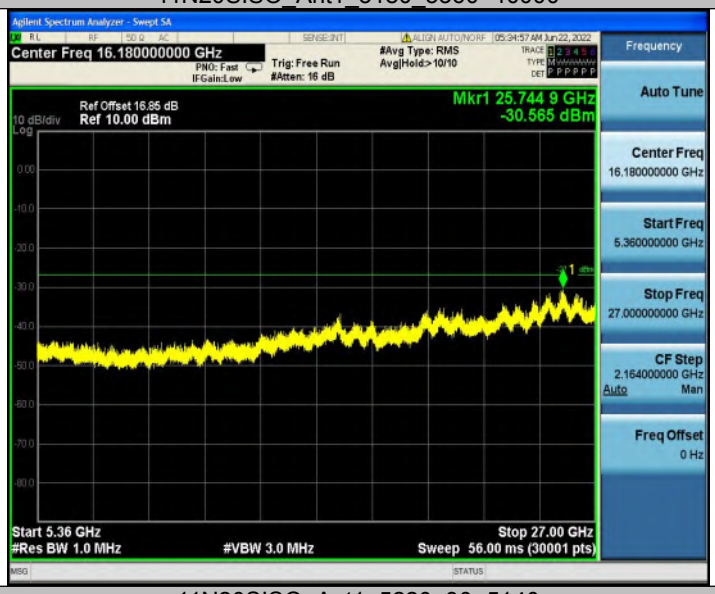
11A_Ant1_5825_30~5650



11A_Ant1_5825_5925~40000

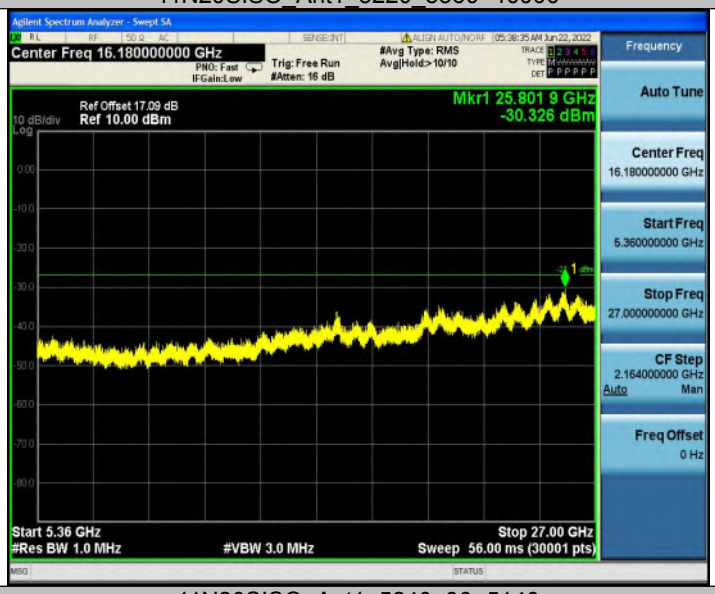
11N20SISO_Ant1_5180_30~5140

11N20SISO_Ant1_5180_5360~40000



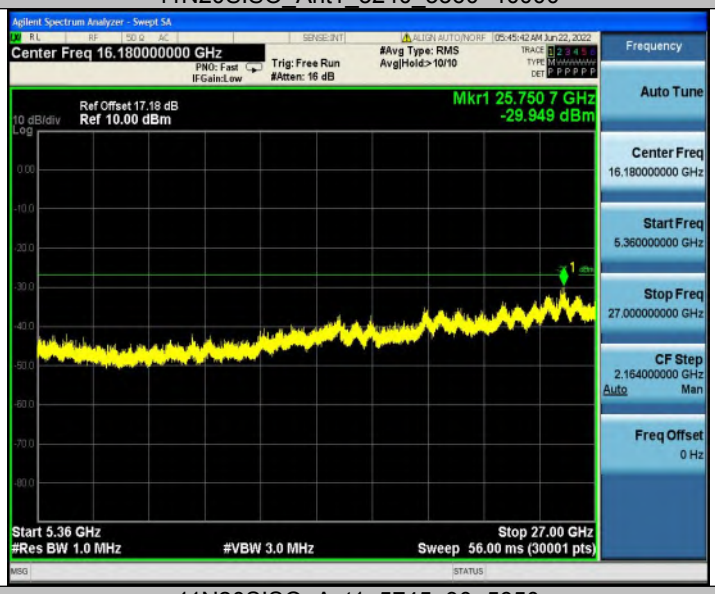
11N20SISO_Ant1_5220_30~5140

11N20SISO_Ant1_5220_5360~40000

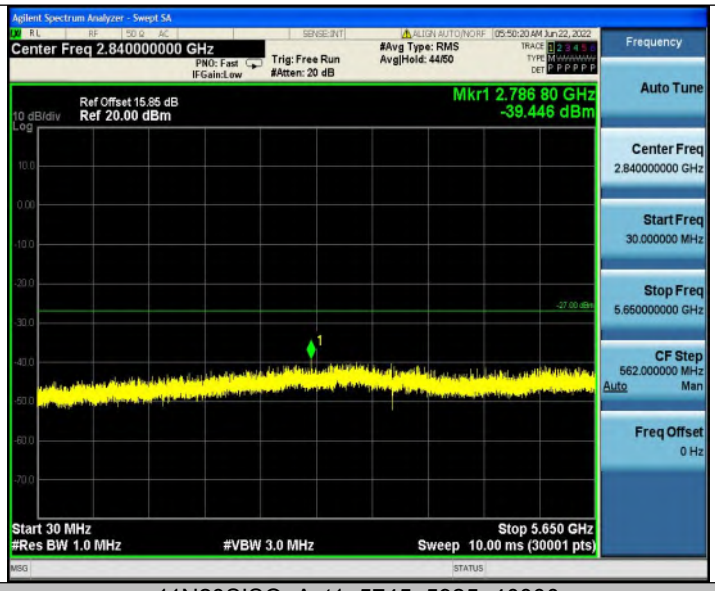


11N20SISO_Ant1_5240_30~5140

11N20SISO_Ant1_5240_5360~40000

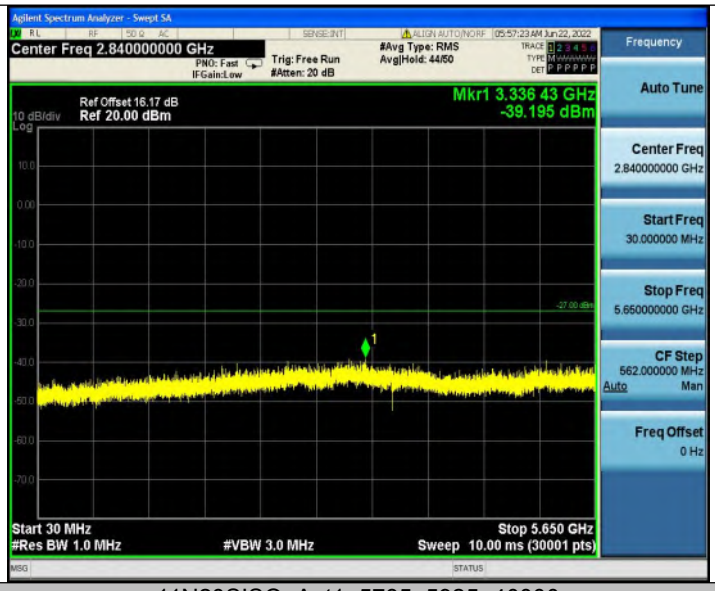


11N20SISO_Ant1_5745_30~5650

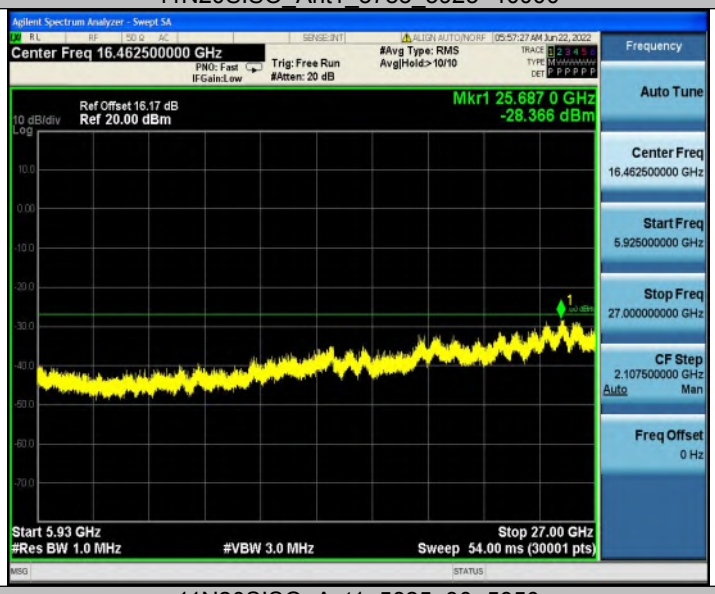


11N20SISO_Ant1_5745_5925~40000

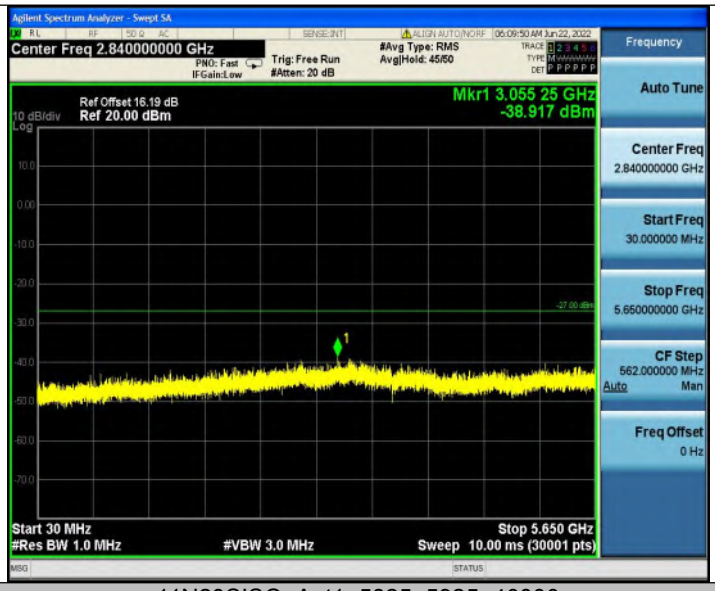
11N20SISO_Ant1_5785_30~5650



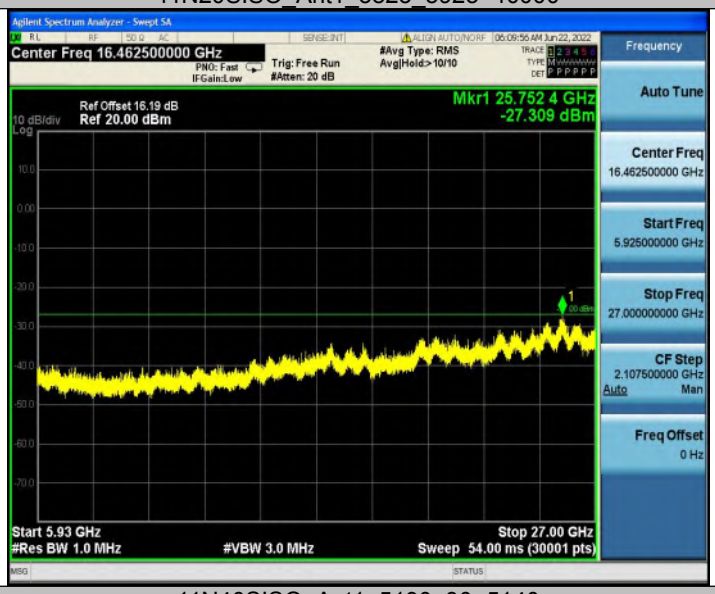
11N20SISO_Ant1_5785_5925~40000



11N20SISO_Ant1_5825_30~5650

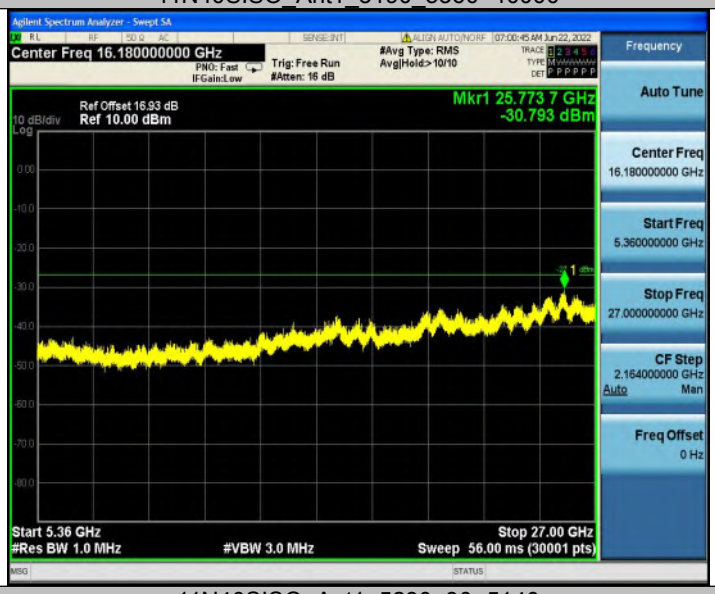


11N20SISO_Ant1_5825_5925~40000



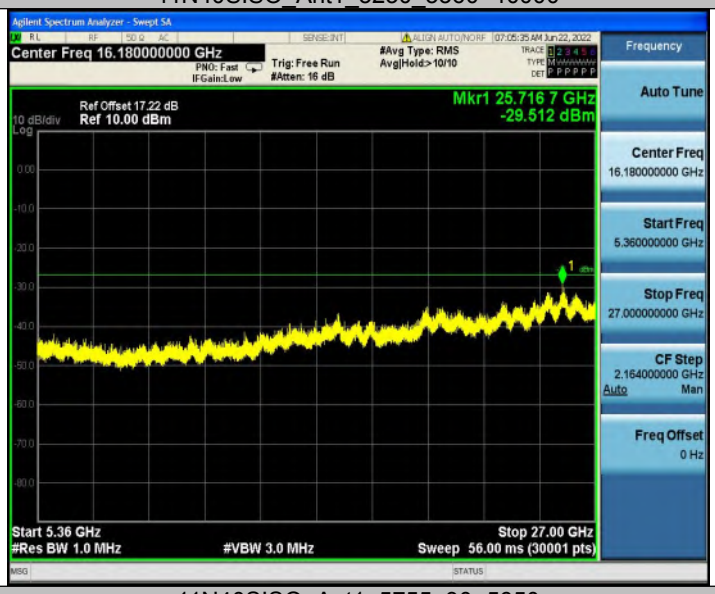
11N40SISO_Ant1_5190_30~5140

11N40SISO_Ant1_5190_5360~40000

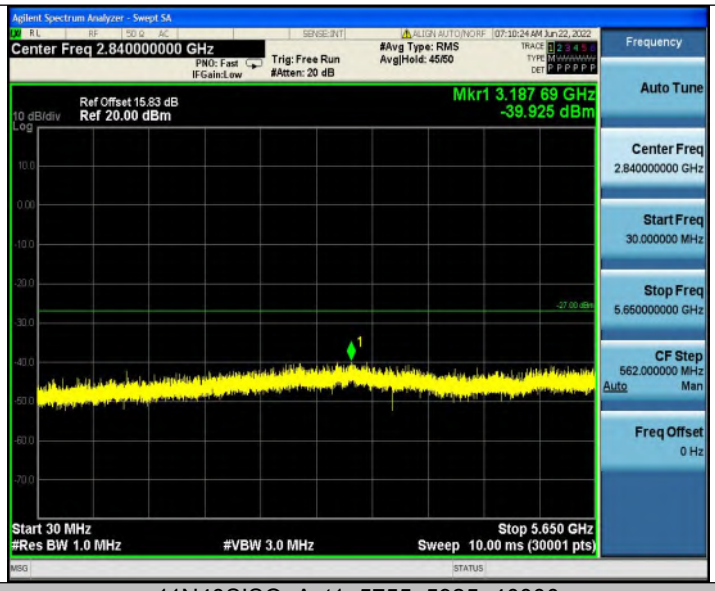


11N40SISO_Ant1_5230_30~5140

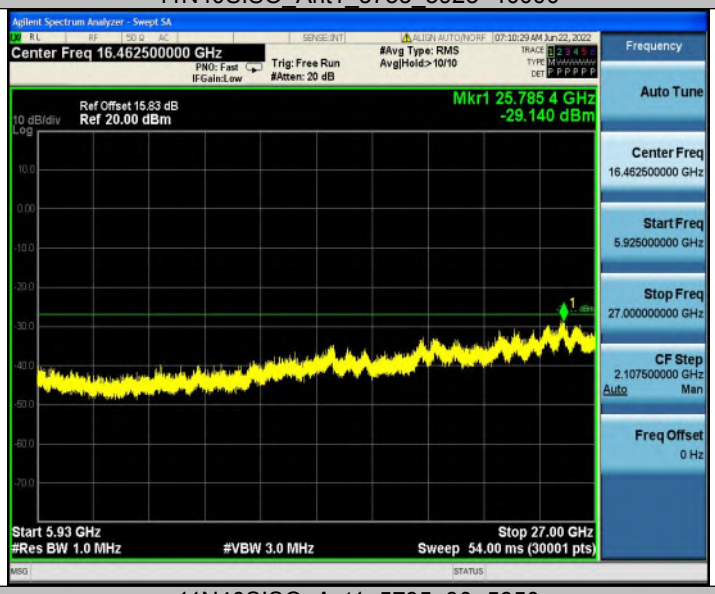
11N40SISO_Ant1_5230_5360~40000



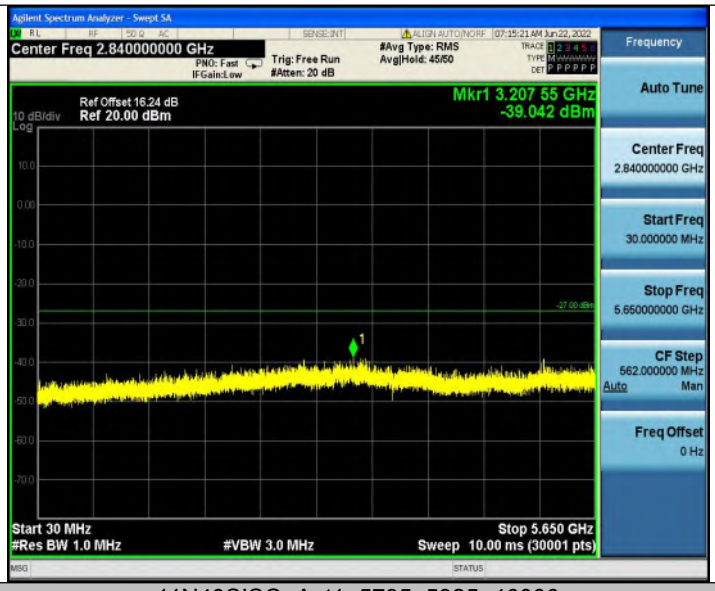
11N40SISO_Ant1_5755_30~5650



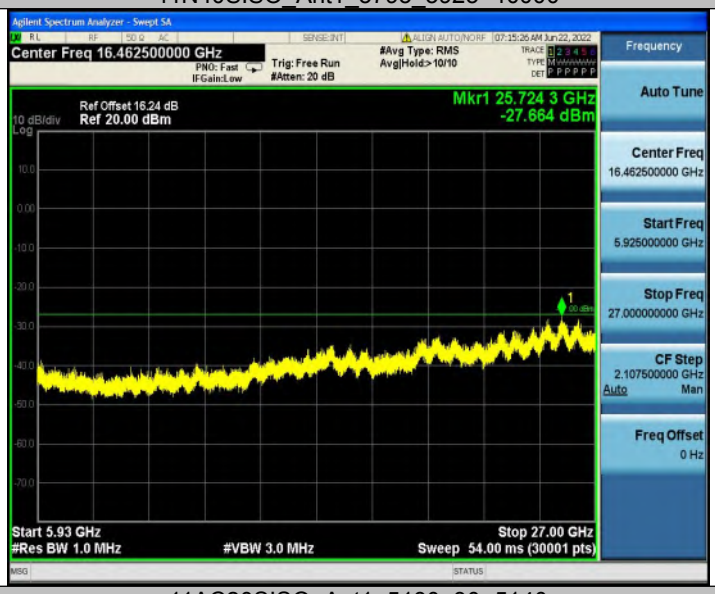
11N40SISO_Ant1_5755_5925~40000



11N40SISO_Ant1_5795_30~5650

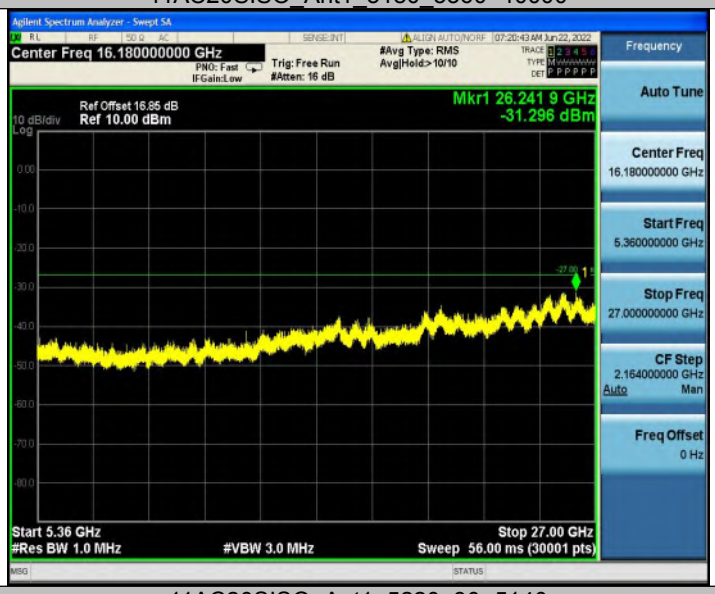


11N40SISO_Ant1_5795_5925~40000



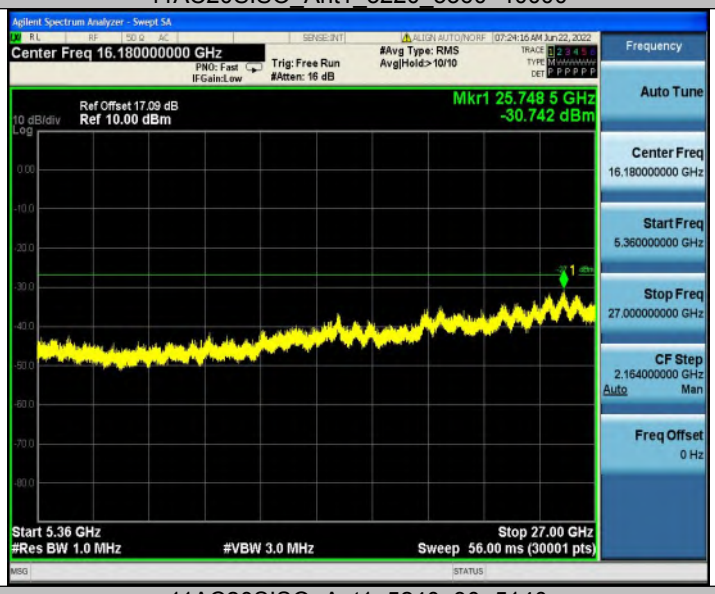
11AC20SISO_Ant1_5180_30~5140

11AC20SISO_Ant1_5180_5360~40000



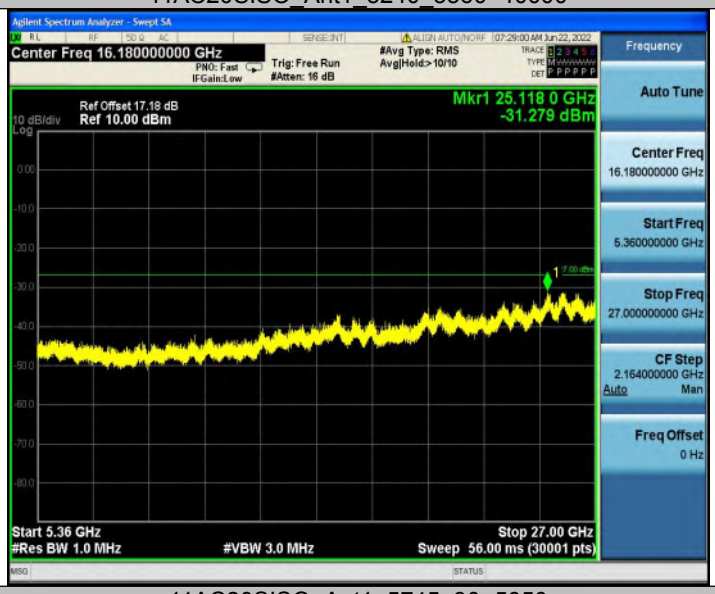
11AC20SISO_Ant1_5220_30~5140

11AC20SISO_Ant1_5220_5360~40000

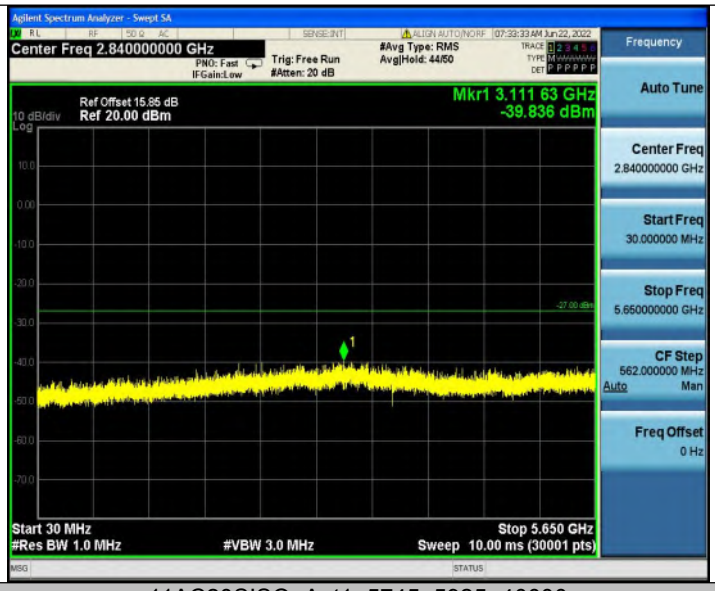


11AC20SISO_Ant1_5240_30~5140

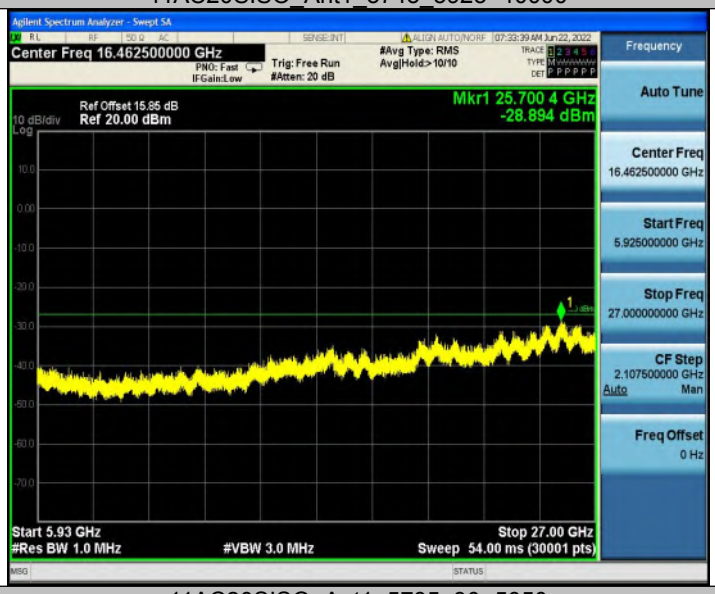
11AC20SISO_Ant1_5240_5360~40000



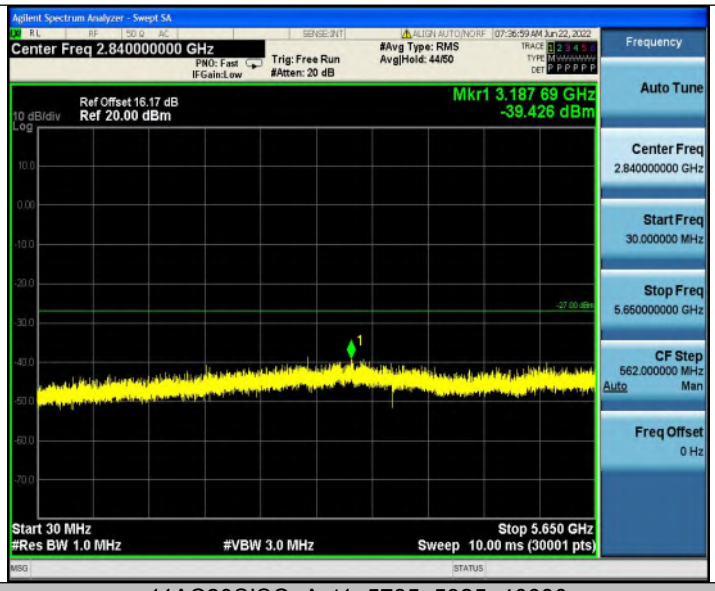
11AC20SISO_Ant1_5745_30~5650



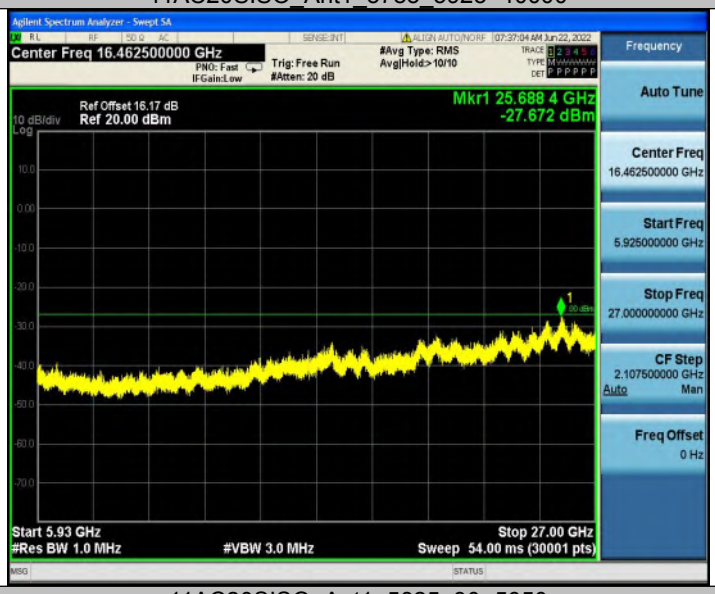
11AC20SISO_Ant1_5745_5925~40000



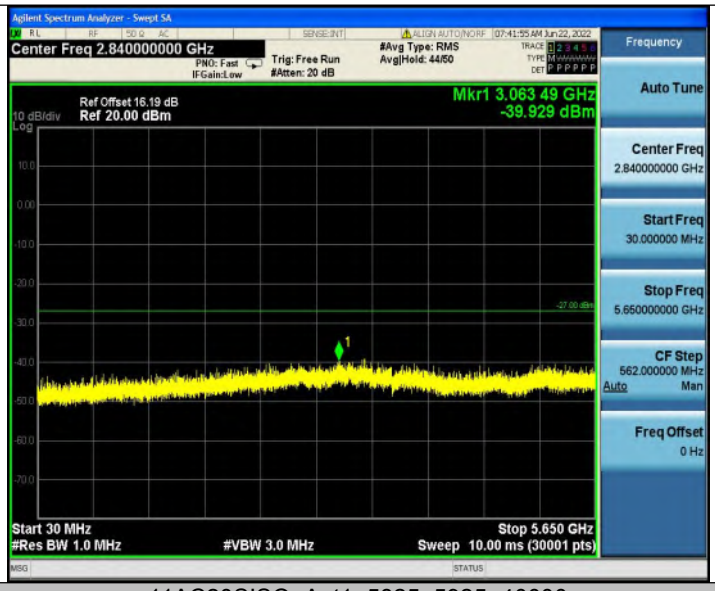
11AC20SISO_Ant1_5785_30~5650



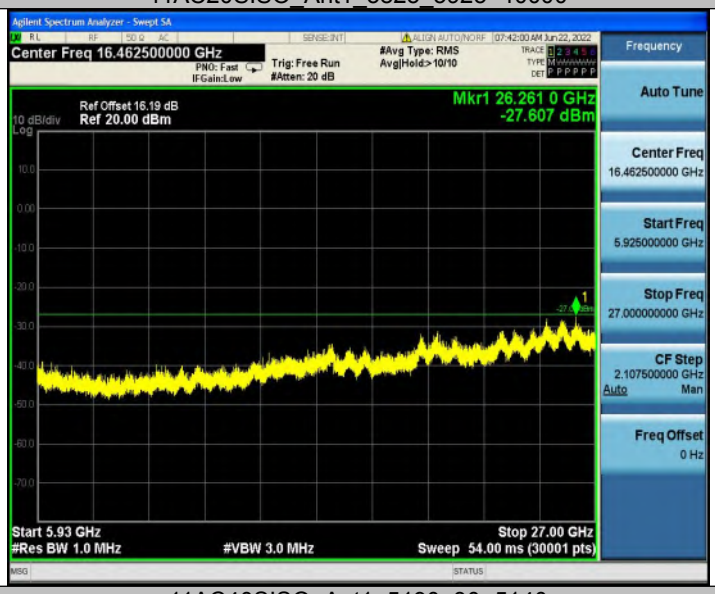
11AC20SISO_Ant1_5785_5925~40000



11AC20SISO_Ant1_5825_30~5650

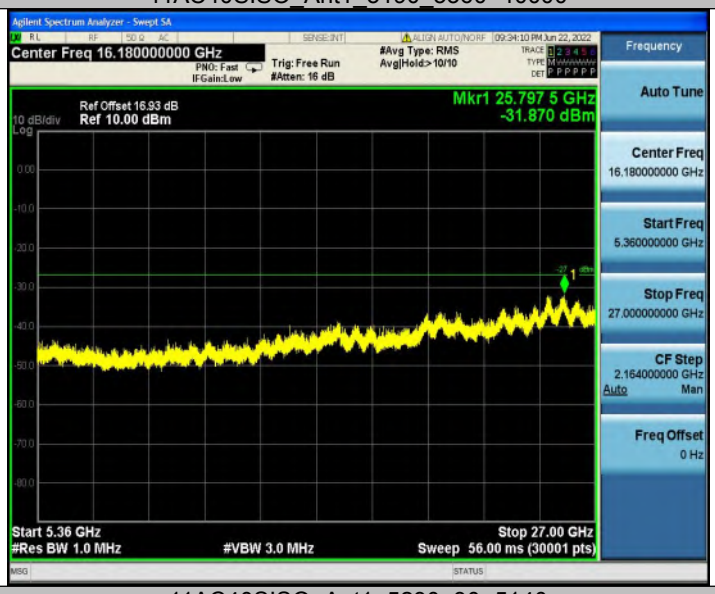


11AC20SISO_Ant1_5825_5925~40000



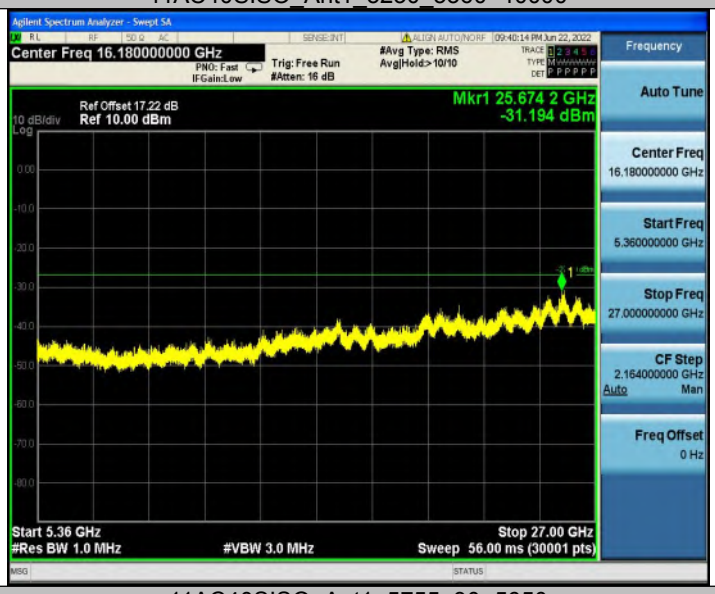
11AC40SISO_Ant1_5190_30~5140

11AC40SISO_Ant1_5190_5360~40000

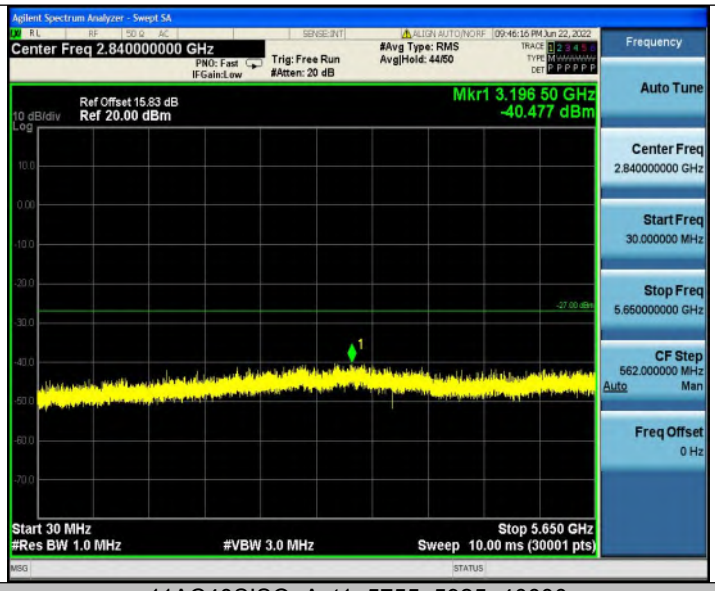


11AC40SISO_Ant1_5230_30~5140

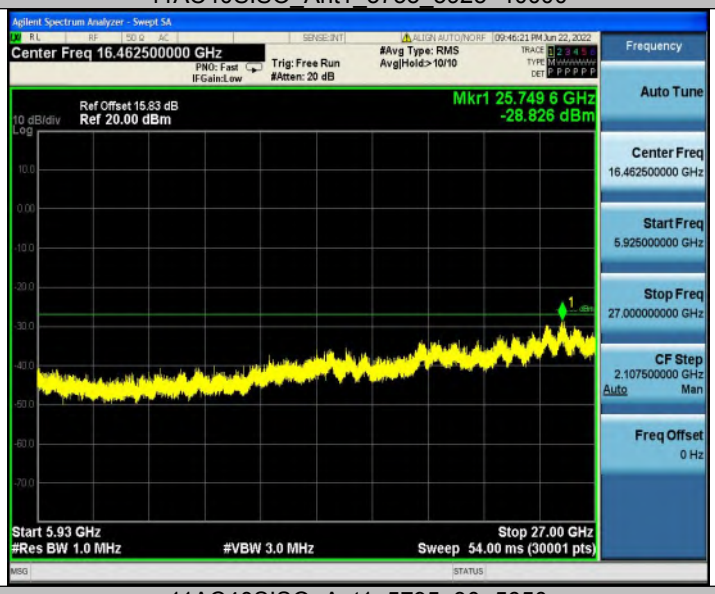
11AC40SISO_Ant1_5230_5360~40000



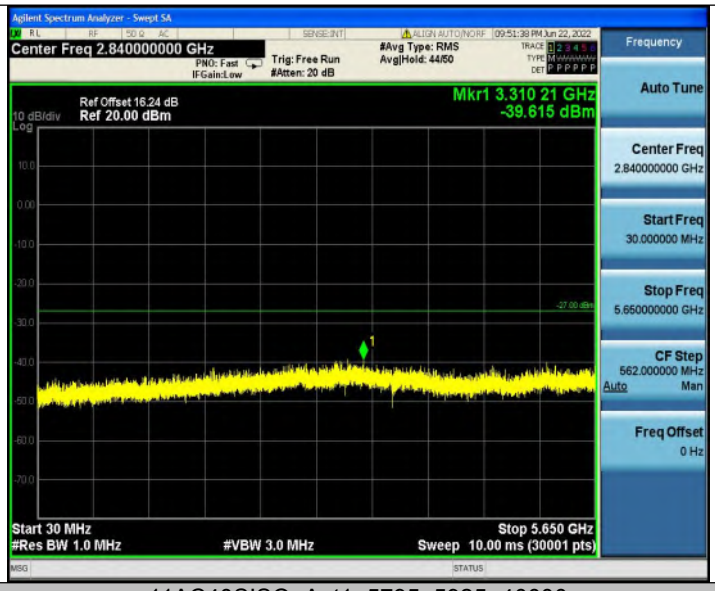
11AC40SISO_Ant1_5755_30~5650



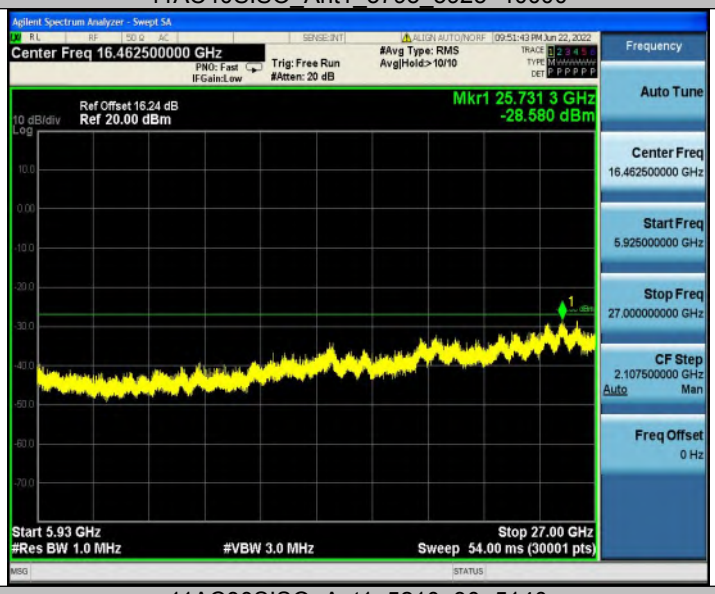
11AC40SISO_Ant1_5755_5925~40000



11AC40SISO_Ant1_5795_30~5650

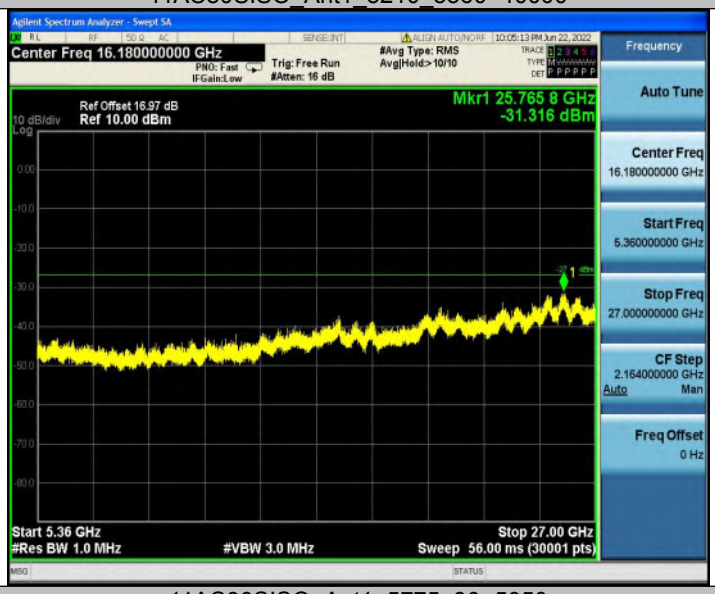


11AC40SISO_Ant1_5795_5925~40000

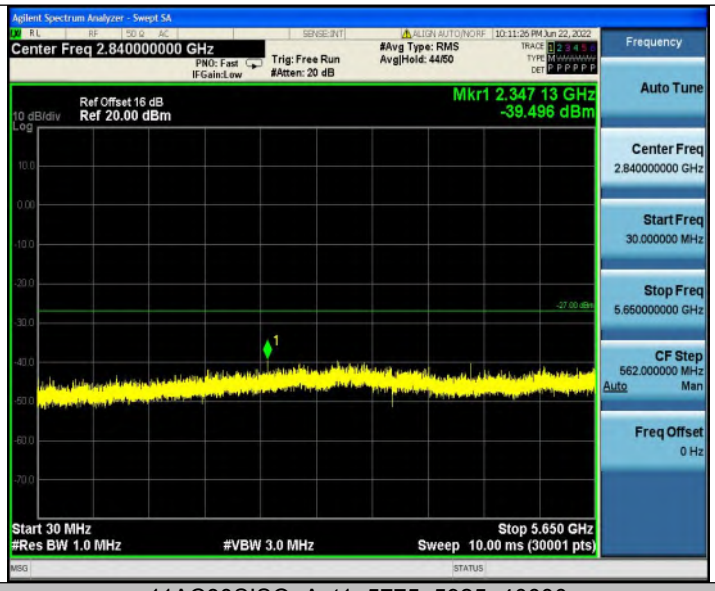


11AC80SISO_Ant1_5210_30~5140

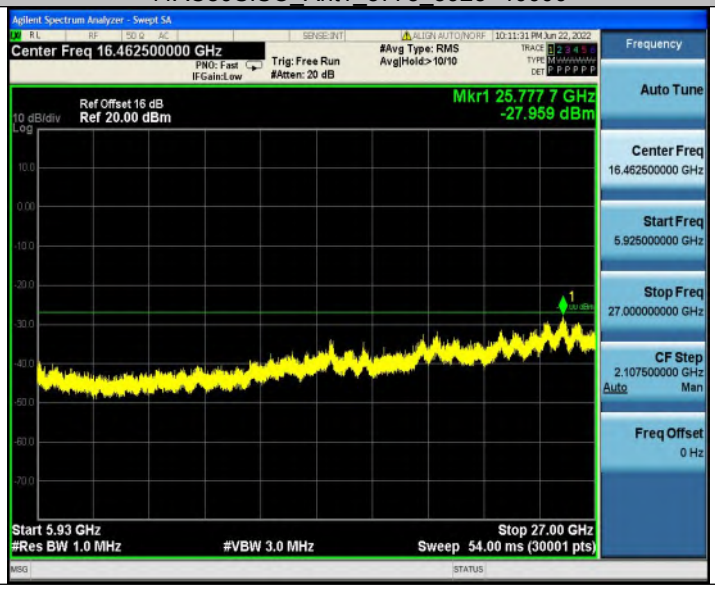
11AC80SISO_Ant1_5210_5360~40000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~40000



6.6 Band edge measurements

Test Result:

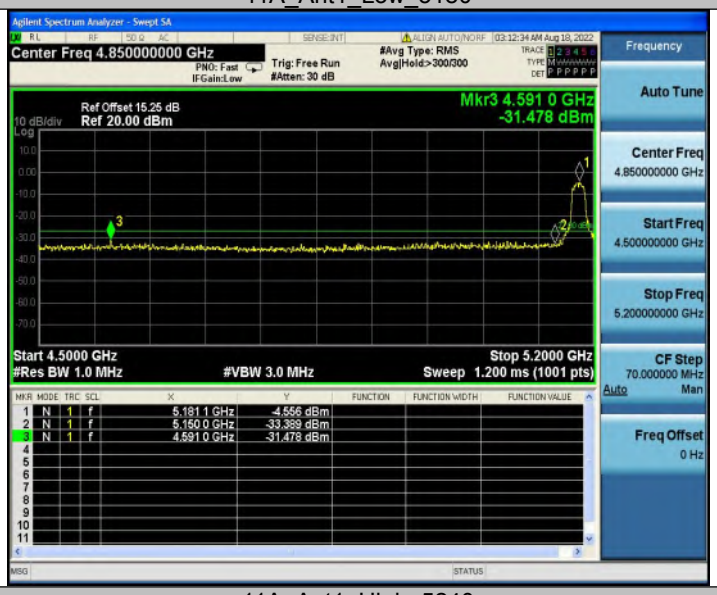
TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-31.48	≤-27	PASS
		High	5240	-31.97	≤-27	PASS
11N20SISO	Ant1	Low	5180	-31.43	≤-27	PASS
		High	5240	-32.39	≤-27	PASS
11N40SISO	Ant1	Low	5190	-31.88	≤-27	PASS
		High	5230	-32.29	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-32.42	≤-27	PASS
		High	5240	-32.12	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-31.94	≤-27	PASS
		High	5230	-32.5	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-31.37	≤-27	PASS
		High	5210	-32.72	≤-27	PASS

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-33.93	≤-0.83	PASS
				5700~5720	-34.3	≤10.35	PASS
				5720~5725	-34.54	≤23.16	PASS
				5760~5650	-34.65	≤-27	PASS
		High	5825	5850~5855	-33.85	≤26.57	PASS
				5855~5875	-33.23	≤13.58	PASS
				5875~5925	-32.63	≤-0.28	PASS
				5925~5935	-32.5	≤-27	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-33.65	≤-17.68	PASS
				5700~5720	-34.04	≤13.95	PASS
				5720~5725	-34.88	≤26.57	PASS
				5760~5650	-34.4	≤-27	PASS
		High	5825	5850~5855	-34	≤26.87	PASS
				5855~5875	-33.67	≤12.97	PASS
				5875~5925	-32.63	≤3.51	PASS
				5925~5935	-33.18	≤-27	PASS
11N40SISO	Ant1	Low	5755	5650~5700	-33.64	≤6.66	PASS
				5700~5720	-33.74	≤10.25	PASS
				5720~5725	-33.12	≤20.66	PASS
				5780~5650	-34.57	≤-27	PASS
		High	5795	5850~5855	-33.35	≤26.19	PASS
				5855~5875	-33.52	≤13.92	PASS
				5875~5925	-32.44	≤-1.04	PASS
				5925~5935	-33.24	≤-27	PASS
11AC20SISO	Ant1	Low	5745	5650~5700	-33.71	≤2.06	PASS
				5700~5720	-33.54	≤15.14	PASS
				5720~5725	-33.89	≤20.27	PASS
				5760~5650	-34.56	≤-27	PASS
		High	5825	5850~5855	-33.38	≤25.95	PASS
				5855~5875	-33.29	≤15.20	PASS
				5875~5925	-32.62	≤-23.26	PASS
				5925~5935	-32.86	≤-27	PASS
11AC40SISO	Ant1	Low	5755	5650~5700	-34.27	≤-6.62	PASS
				5700~5720	-33.58	≤11.61	PASS

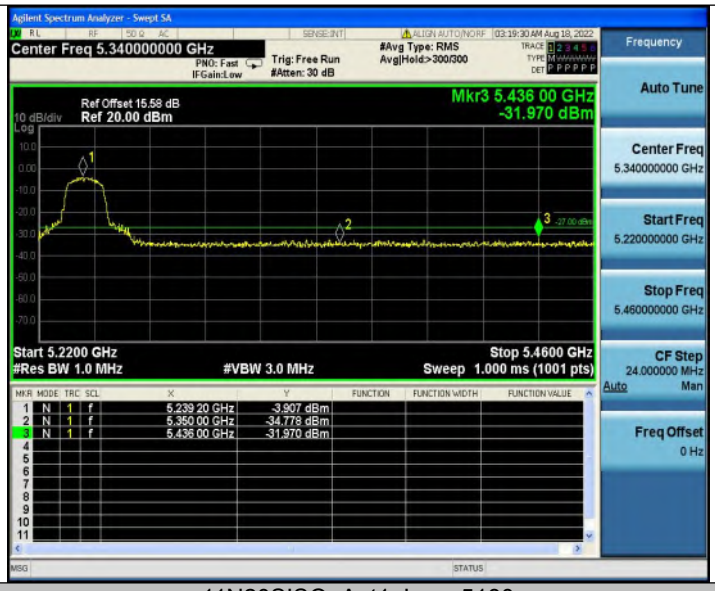
				5720~5725	-34.31	≤17.89	PASS
				5780~5650	-33.97	≤-27	PASS
		High	5795	5850~5855	-33.76	≤22.05	PASS
				5855~5875	-33.4	≤11.70	PASS
				5875~5925	-33.05	≤9.95	PASS
				5925~5935	-32.89	≤-27	PASS
11AC80SISO	Ant1	Low	5775	5650~5700	-33.16	≤-26.00	PASS
				5700~5720	-33.75	≤11.22	PASS
				5720~5725	-33.69	≤24.48	PASS
				5800~5650	-34.73	≤-27	PASS
		High	5775	5850~5855	-34.14	≤20.01	PASS
				5855~5875	-33.38	≤13.65	PASS
				5875~5925	-32.84	≤-11.35	PASS
				5925~5935	-32.9	≤-27	PASS

Test Graphs:

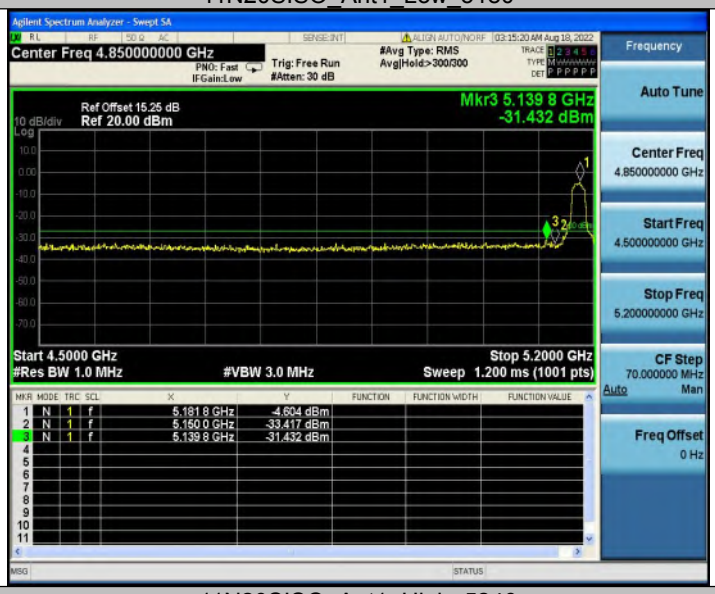
11A_Ant1_Low_5180



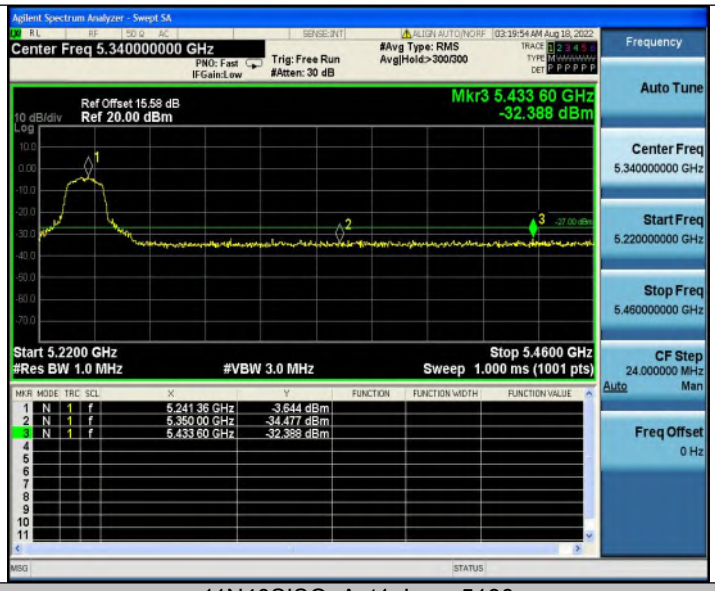
11A_Ant1_High_5240



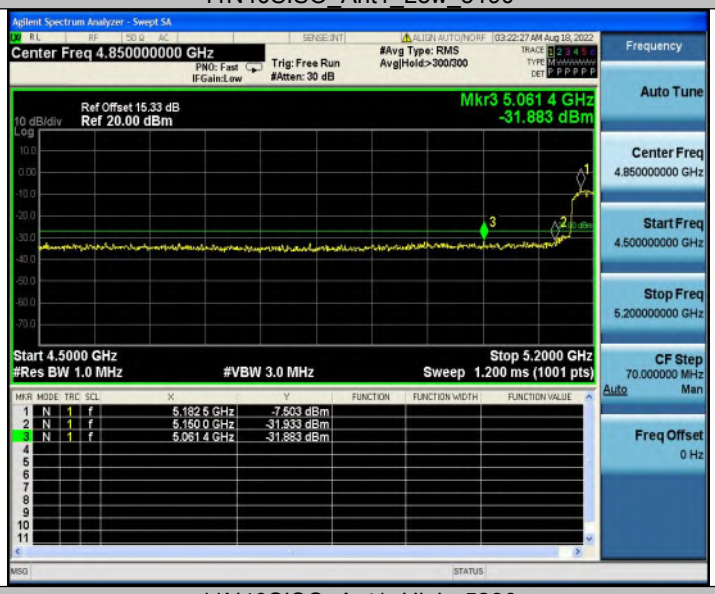
11N20SISO_Ant1_Low_5180



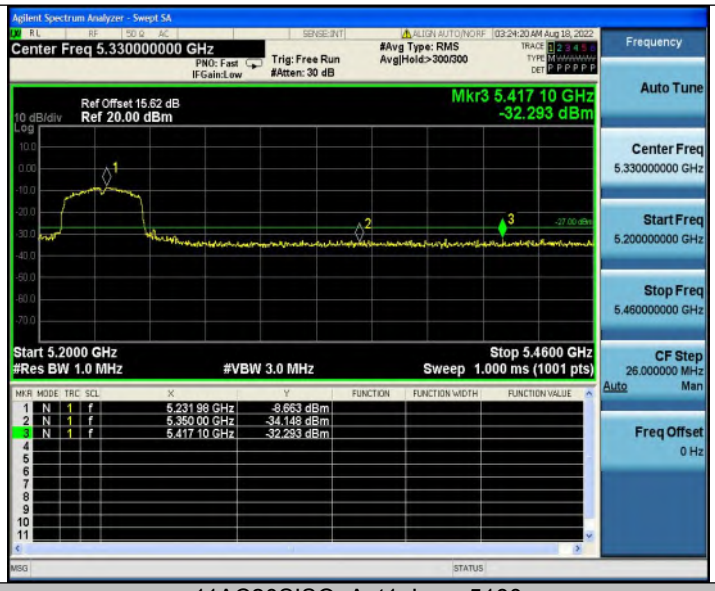
11N20SISO_Ant1_High_5240



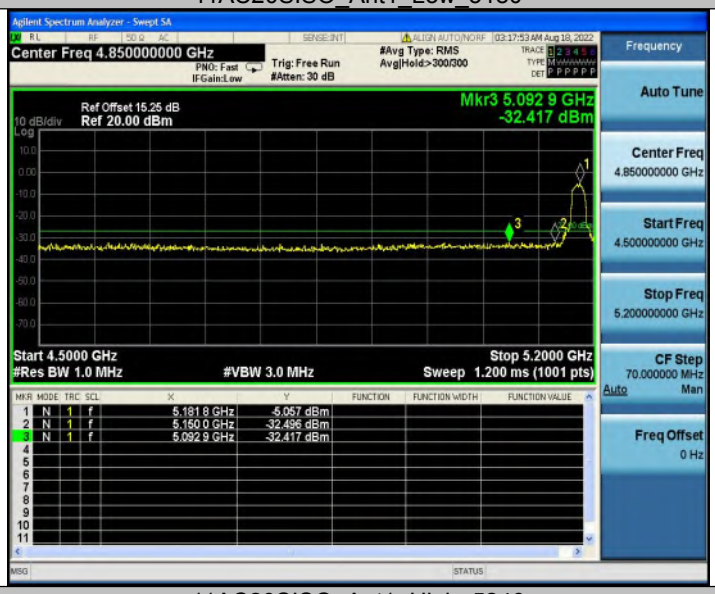
11N40SISO_Ant1_Low_5190



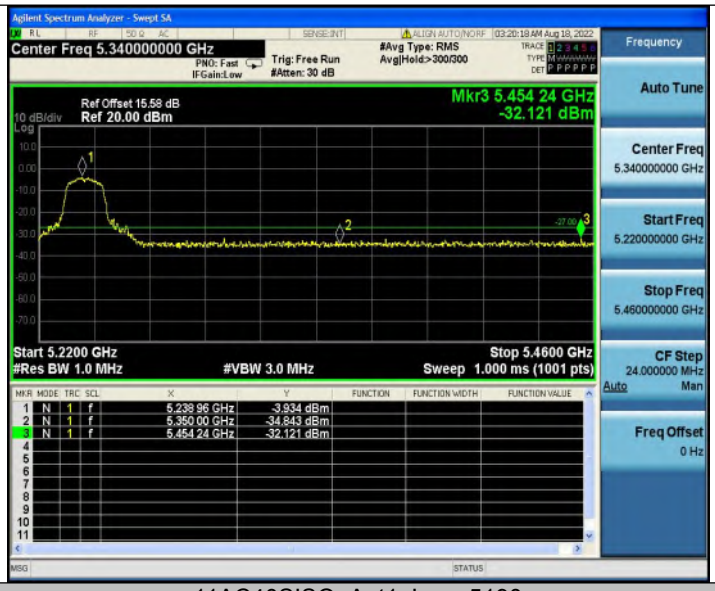
11N40SISO_Ant1_High_5230



11AC20SISO_Ant1_Low_5180

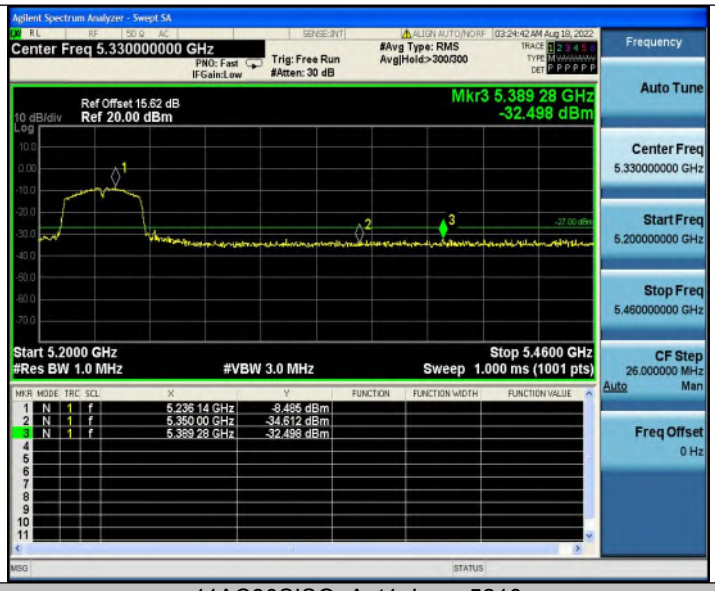


11AC20SISO_Ant1_High_5240

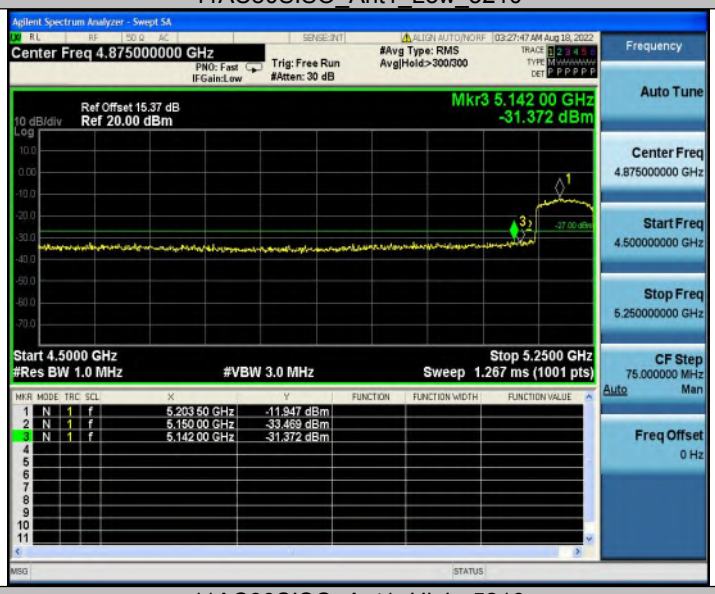


11AC40SISO_Ant1_Low_5190

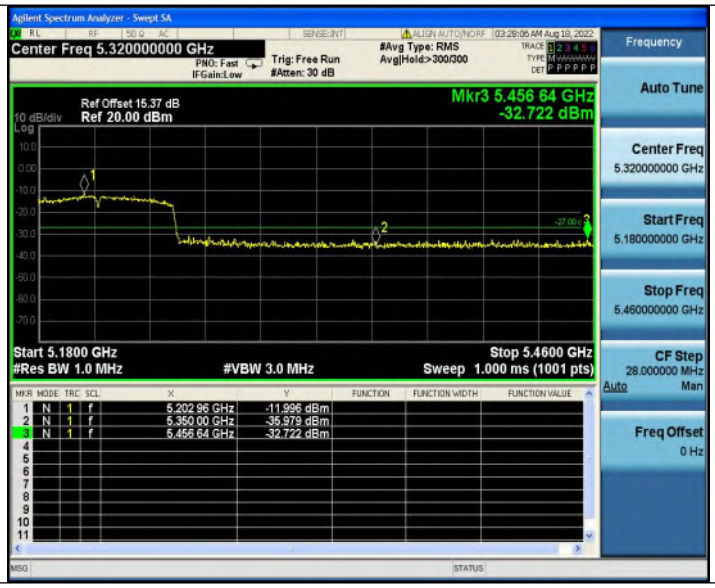
11AC40SISO_Ant1_High_5230



11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.320000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold:>300/300
Frequency
Auto Tune
Ref Offset 15.37 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr3 5.456 64 GHz
-32.722 dBm
Center Freq
5.320000000 GHz
Start Freq
5.180000000 GHz
Stop Freq
5.460000000 GHz
Start 5.1800 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 5.4600 GHz
Sweep 1.000 ms (1001 pts)
CF Step
28.000000 MHz
Auto
Man
Freq Offset
0 Hz
1 N 1 f 5.202 96 GHz -11.996 dBm
2 N 1 f 5.350 00 GHz -35.979 dBm
3 N 1 f 5.456 64 GHz -32.722 dBm

Test plots B4:

11A_Ant1_Low_5745

11A_Ant1_High_5825

11N20SISO_Ant1_Low_5745

11N20SISO_Ant1_High_5825

11N40SISO_Ant1_Low_5755

11N40SISO_Ant1_High_5795

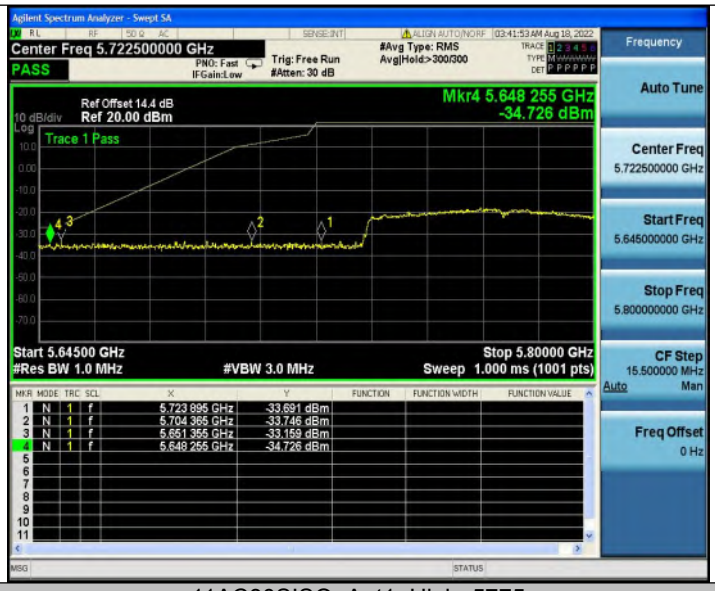
11AC20SISO_Ant1_Low_5745

11AC20SISO_Ant1_High_5825

11AC40SISO_Ant1_Low_5755

11AC40SISO_Ant1_High_5795

11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775

7 Emission Bandwidth and Occupied Bandwidth

Test Requirement	:	FCC CFR47 Part 15 Section 15.407(a)(e)
Test Method	:	ANSI C63.10:2013
Test Limit		According to FCC §15.407(a), The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth. As per FCC §15.407(e): for equipment operating in the band 5725 – 5850 MHz, the minimum 6 dB bandwidth of U-NII devices shall be 500 kHz.

7.1 Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01,
Emission Bandwidth (EBW)
a) Set RBW = approximately 1% of the emission bandwidth; b) Set the VBW > RBW; c) Detector = Peak; d) Trace mode = max hold; e) Measure the maximum width of the emission that is 26 dB down from the maximum 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%;99% Occupied Bandwidth
The 99% occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5 % of the total mean power of the given emission. Measurement of the 99% occupied bandwidth is required only as a condition for using the optional band-edge measurement techniques described in II.G.3.d). Measurements of 99% occupied bandwidth may also optionally be used in lieu of the EBW to define the minimum frequency range over which the spectrum is integrated when measuring maximum conducted output power as described in II.E. However, the EBW must be measured to determine bandwidth dependent limits on maximum conducted output power in accordance with 15.407(a).

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.

7.2 Test Result

PASS

Pre-scan has been conducted to determine the worst-case mode from all possible

combinations between available modulations / data rates and antenna ports.

Following channel was selected for the final test as listed below.

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.480	5169.800	5190.280	---	---
		5220	20.560	5209.840	5230.400	---	---
		5240	20.400	5229.880	5250.280	---	---
		5745	20.280	5735.040	5755.320	---	---
		5785	20.520	5774.960	5795.480	---	---
		5825	20.800	5814.920	5835.720	---	---
11N20SISO	Ant1	5180	21.200	5169.400	5190.600	---	---
		5220	21.240	5209.320	5230.560	---	---
		5240	21.240	5229.400	5250.640	---	---
		5745	21.080	5734.560	5755.640	---	---
		5785	21.120	5774.520	5795.640	---	---
		5825	21.040	5814.600	5835.640	---	---
11N40SISO	Ant1	5190	39.360	5170.320	5209.680	---	---
		5230	39.280	5210.400	5249.680	---	---
		5755	39.520	5735.480	5775.000	---	---
		5795	39.280	5775.560	5814.840	---	---
11AC20SISO	Ant1	5180	21.000	5169.440	5190.440	---	---
		5220	21.280	5209.320	5230.600	---	---
		5240	21.200	5229.360	5250.560	---	---
		5745	21.360	5734.400	5755.760	---	---
		5785	21.160	5774.360	5795.520	---	---
		5825	21.440	5814.280	5835.720	---	---
11AC40SISO	Ant1	5190	39.920	5170.000	5209.920	---	---
		5230	40.080	5210.080	5250.160	---	---
		5755	40.000	5735.160	5775.160	---	---
		5795	40.160	5775.080	5815.240	---	---
11AC80SISO	Ant1	5210	81.280	5169.680	5250.960	---	---
		5775	80.960	5735.160	5816.120	---	---

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.000	5737.200	5753.200	0.5	PASS
		5785	16.040	5777.160	5793.200	0.5	PASS
		5825	16.360	5816.840	5833.200	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.240	5753.840	0.5	PASS
		5785	17.680	5776.200	5793.880	0.5	PASS
		5825	17.640	5816.200	5833.840	0.5	PASS
11N40SISO	Ant1	5755	36.400	5736.840	5773.240	0.5	PASS
		5795	36.320	5776.920	5813.240	0.5	PASS
11AC20SISO	Ant1	5745	17.600	5736.240	5753.840	0.5	PASS
		5785	17.600	5776.240	5793.840	0.5	PASS
		5825	17.520	5816.320	5833.840	0.5	PASS
11AC40SISO	Ant1	5755	35.840	5737.400	5773.240	0.5	PASS
		5795	36.320	5776.920	5813.240	0.5	PASS
11AC80SISO	Ant1	5775	75.360	5737.560	5812.920	0.5	PASS

Test Graphs：

11A_Ant1_5180

11A_Ant1_5220

11A_Ant1_5240

11A_Ant1_5745

11A_Ant1_5785

11A_Ant1_5825

11N20SISO_Ant1_5180

11N20SISO_Ant1_5220

11N20SISO_Ant1_5240

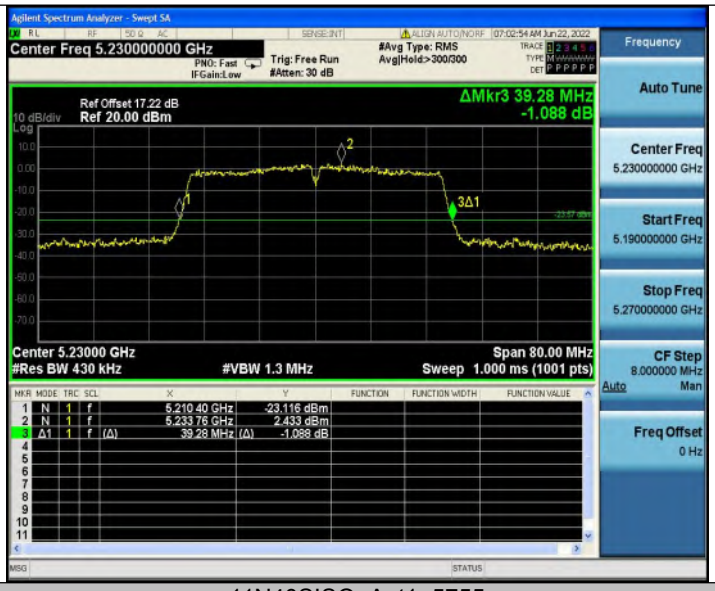
11N20SISO_Ant1_5745

11N20SISO_Ant1_5785

11N20SISO_Ant1_5825

11N40SISO_Ant1_5190

11N40SISO_Ant1_5230



11N40SISO_Ant1_5755

11N40SISO_Ant1_5795

11AC20SISO_Ant1_5180

11AC20SISO_Ant1_5220