



FCC TEST REPORT

FCC ID: 2ACGT-C1

Product	:	Digital Calendar
Model Name	:	C1, C2, C3, C5, C6, C7, C8, C9, C10, S1, S2, S3, S5, S6, S7, S8, S9, S10
Brand	:	TECLAST
Report No.	:	PTC26050616701E-FC02
Prepared for		
Guangzhou Shangke Information Technology Co., Ltd.		
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Prepared by		
Precise Testing & Certification Co., Ltd		
Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China		



Report No.: PTC26050616701E-FC02

1 TEST RESULT CERTIFICATION

Applicant's name : Guangzhou Shangke Information Technology Co., Ltd.

Address : Room 1205-1212, R&F To-Win Building, No.30 Huaxia Road, Tianhe District, Guangzhou, Guangdong, China

Manufacture's name : Guangzhou Shangke Information Technology Co., Ltd.

Address : Room 1205-1212, R&F To-Win Building, No.30 Huaxia Road, Tianhe District, Guangzhou, Guangdong, China

Product name : Digital Calendar

Model name : C1, C2, C3, C5, C6, C7, C8, C9, C10, S1, S2, S3, S5, S6, S7, S8, S9, S10

Standards : FCC CFR47 Part 15 Section 15.407

Test procedure : ANSI C63.10-2020

Test Date : May 22, 2026 to June 19, 2026

Date of Issue : June 23, 2026

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.

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Test Engineer:

A handwritten signature in black ink, appearing to read 'Jack Zhou'.

Jack zhou / Engineer

Technical Manager:

A handwritten signature in black ink, appearing to read 'Simon Pu'.

Simon Pu / Manager



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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 Conducted Output Power	15.407(a)	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	: Digital Calendar
Model Name	: C1, C2, C3, C5, C6, C7, C8, C9, C10, S1, S2, S3, S5, S6, S7, S8, S9, S10
Test Model	: C1
Specification	: 802.11a/n HT20/HT40/ac20/ac40/ax20/ax40
Operation Frequency	WIFI 5G: : 5180MHZ-5240MHZ 5745MHZ-5825MHZ
Number of Channel	: 9 channels for 802.11a/n20/ac20/ax20 4 channels for 802.11n40/ac40/ax40
Type of Modulation	: OFDM, OFDMA
Antenna installation	: FPC Antenna
Antenna Gain	: 1.73 dBi
Power supply	: 12V==2A from adapter
Hardware Version	: BND-F915 V2.0
Software Version	: N/A
Test sample No.	: PTC26050616701E-1/2, PTC26050616701E-2/2
Model difference	: All models are identical to each other except for the model name and appearance.



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; 802.11ax: 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 802.11a/n/ac (HT20)/ax20:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220
40	5200	48	5240
		149	5745
153	5765	157	5785
161	5805	165	5825

Frequency and Channel list for 802.11n/ac (HT40)/ax40:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	46	5230
151	5755	159	5795

The maximum duty cycle :

See page 140 for details.



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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

FCC Designation Number: CN1219



4 Equipment During Test

4.1 Equipments List

RF Conducted Test

Name of Equipment	Manufacturer	Model	Serial No.	Characteristics	Last Calibration	Calibration Interval
MXG Signal Analyzer	Agilent	N9020A	SER MY5111038	10Hz-26.5GHz	Aug.15, 2025	1 Year
Coaxial Cable	CDS	79254	46107086	10Hz-30GHz	Aug.15, 2025	1 Year
Power Meter	Anritsu	ML2495A	0949003	300MHz-40GHz	Aug.15, 2025	1 Year
Power Sensor	Anritsu	MA2411B	0917017	300MHz-40GHz	Aug.15, 2025	1 Year
Test S/W	Tonscend	JS1120-3	/	/	/	/

Radiated Emissions

Name of Equipment	Manufacturer	Model	Serial No.	Characteristics	Last Calibration	Calibration Interval
EMI Test Receiver	Rohde&Schwarz	ESPI7	101671	9KHz-7GHz	Aug.15, 2025	1 Year
Loop Antenna	Schwarzbeck	FMZB 1519	192	9 KHz -30MHz	Aug.15, 2025	1 Year
Bilog Antenna	SCHWARZBECK	VULB9160	9160-3355	25MHz-2GHz	Aug.15, 2025	1 Year
Preamplifier (low frequency)	SCHWARZBECK	BBV 9475	9745-0013	1MHz-1GHz	Aug.15, 2025	1 Year
Cable	IMRO	AK-9515E(9m)	Cable-L	9KHz-3GHz	Aug.15, 2025	1 Year
Spectrum Analyzer	Rohde&Schwarz	FSV40	6625-01-588-5515	9KHz-40GHz	Aug.15, 2025	1 Year
Horn Antenna	SCHWARZBECK	9120D	9120D-1246	1GHz-18GHz	Aug.15, 2025	1 Year
Power Amplifier	ZHINAN	ZN3380C	15002	1GHz-26.5GHz	Aug.15, 2025	1 Year



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Horn Antenna	SCHWARZBEC K	BBHA 9170	9170-1066	15GHz- 40GHz	Jul. 19, 2025	1 Year
Amplifier	SCHWARZBEC K	BBV 9721	9721-205	18GHz- 40GHz	Jul. 19, 2025	1 Year
Cable	H+S	CBL-26	N/A	1GHz- 26.5GHz	Aug.15, 2025	1 Year
RF Cable	R&S	R204	R21X	1GHz-40GHz	Aug.15, 2025	1 Year
Test S/W	Tonscend	TS+	/	/	/	/

Conducted Emissions

Name of Equipment	Manufacturer	Model	Serial No.	Characteristics	Calibration Date	Calibration Interval
EMI Test Receiver	Rohde&Schwarz	ESCI	101417	9KHz-3GHz	Aug.15, 2025	1 Year
Artificial Mains Network	Rohde&Schwarz	ENV216	102453	9KHz- 300MHz	Aug.15, 2025	1 Year
Artificial Mains Network	Rohde&Schwarz	ENV216	101342	9KHz- 300MHz	Aug.15, 2025	1 Year
Limiter	R&S	ESH3-Z2	0357.8810.54- 102808-NB	0Hz-30MHz	Aug.15, 2025	1 Year
RF Switch	DIAMOND ANTENNA	CX-210	/	9kHz-6GHz	Mar. 21,2026	1 Year
Test S/W	Tonscend	JS32-CE	/	/	/	/



4.2 Measurement Uncertainty

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



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4.3 Description of Support Units

Equipment	Model No.	Manufacture	FCC ID
/	/	/	/

5 Conducted Emission

Test Requirement:	: FCC CFR 47 Part 15 Section 15.207
Test Method	: ANSI C63.10-2020
Test Result	: PASS
Frequency Range	: 150kHz to 30MHz
Class/Severity	: Class B

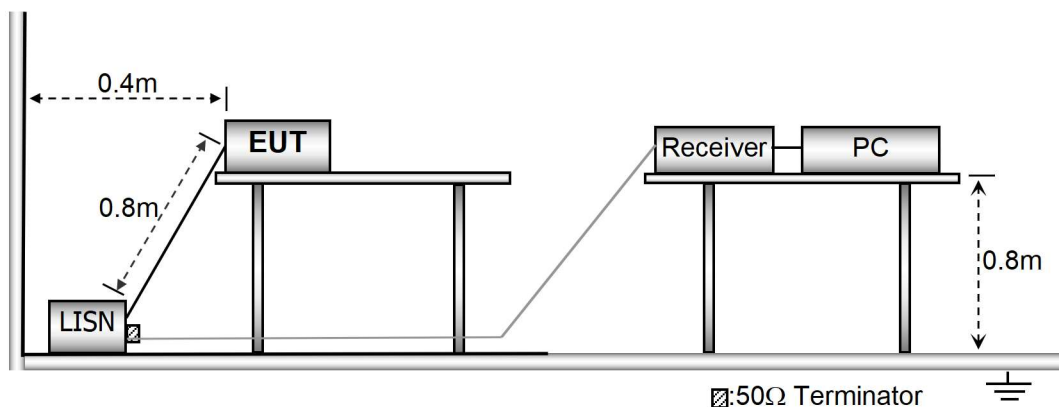
5.1 E.U.T. Operation

Operating Environment :

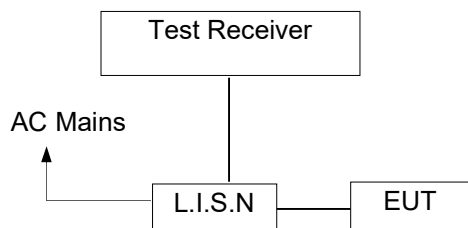
Temperature	: 25°C
Humidity	: 60 % RH
Atmospheric Pressure	: 101.1 kPa

5.2 EUT Setup

The conducted emission tests were performed using the setup accordance with the ANSI C63.10:2020.



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.

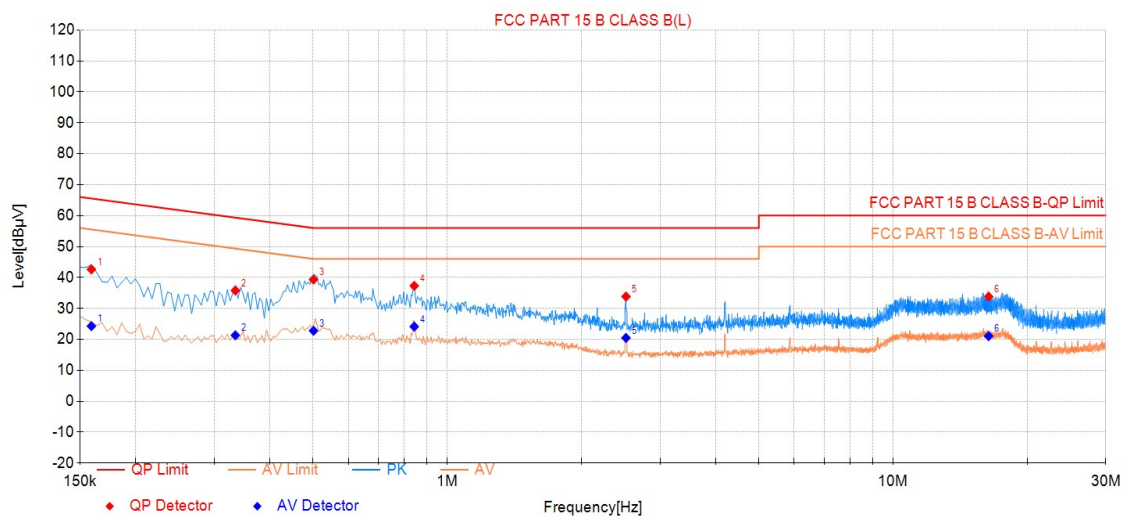
5.7 Conducted Emission Test Result

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

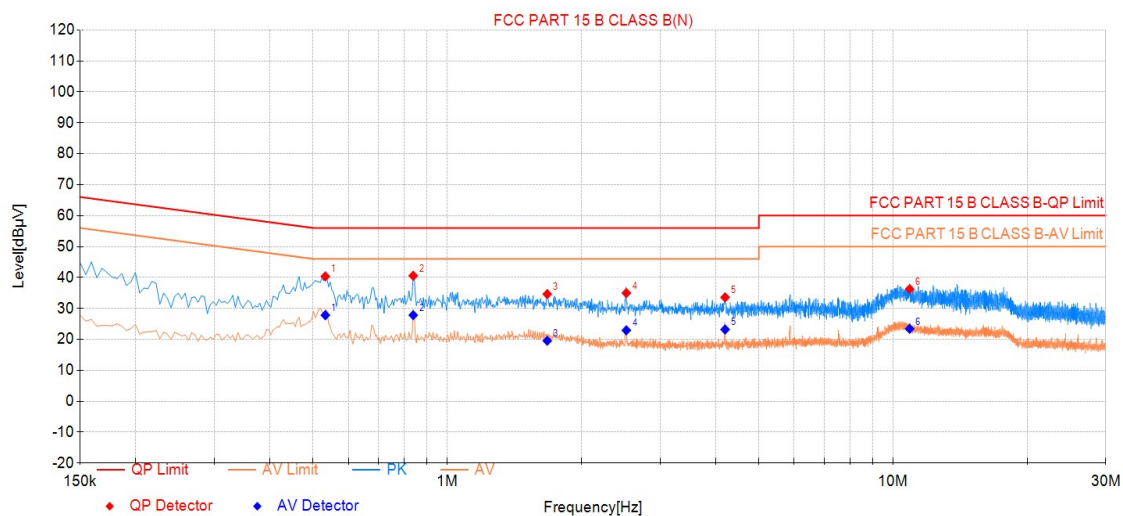


Final test data

NO.	Freq. [MHz]	Factor [dB]	QP Value	QP Limit	QP Margin	AV Value	AV Limit	AV Margin	Verdict
1	0.159	19.86	42.63	65.52	22.89	24.28	55.52	31.24	PASS
2	0.335	19.87	35.80	59.34	23.54	21.32	49.34	28.02	PASS
3	0.501	19.91	39.34	56.00	16.66	22.78	46.00	23.22	PASS
4	0.843	19.83	37.29	56.00	18.71	24.12	46.00	21.88	PASS
5	2.517	19.85	33.84	56.00	22.16	20.48	46.00	25.52	PASS
6	16.386	19.97	33.81	60.00	26.19	21.05	50.00	28.95	PASS



Neutral-AC 120V/60Hz



Final test data

NO.	Freq. [MHz]	Factor [dB]	QP Value	QP Limit	QP Margin	AV Value	AV Limit	AV Margin	Verdict
1	0.533	19.87	40.35	56.00	15.65	27.81	46.00	18.19	PASS
2	0.839	19.80	40.57	56.00	15.43	27.83	46.00	18.17	PASS
3	1.676	19.85	34.63	56.00	21.37	19.54	46.00	26.46	PASS
4	2.522	19.86	34.98	56.00	21.02	22.93	46.00	23.07	PASS
5	4.200	19.88	33.57	56.00	22.43	23.20	46.00	22.80	PASS
6	10.896	19.88	36.26	60.00	23.74	23.40	50.00	26.60	PASS

Note: QP Margin[dB]= QP Limit[dBμV]- QP Value[dBμV], AV Margin[dB]= AV Limit[dBμV]- AV Value[dBμV].



6 Radiated Spurious Emissions

Test Requirement	:	FCC CFR47 Part 15 Section 15.209 & 15.407(b)
Test Method	:	ANSI C63.10-2020
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	$2400/F(\text{kHz})$	300	$10000 * 2400/F(\text{kHz})$	$20\log^{(2400/F(\text{kHz}))} + 80$
0.490 ~ 1.705	$24000/F(\text{kHz})$	30	$100 * 24000/F(\text{kHz})$	$20\log^{(24000/F(\text{kHz}))} + 40$
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

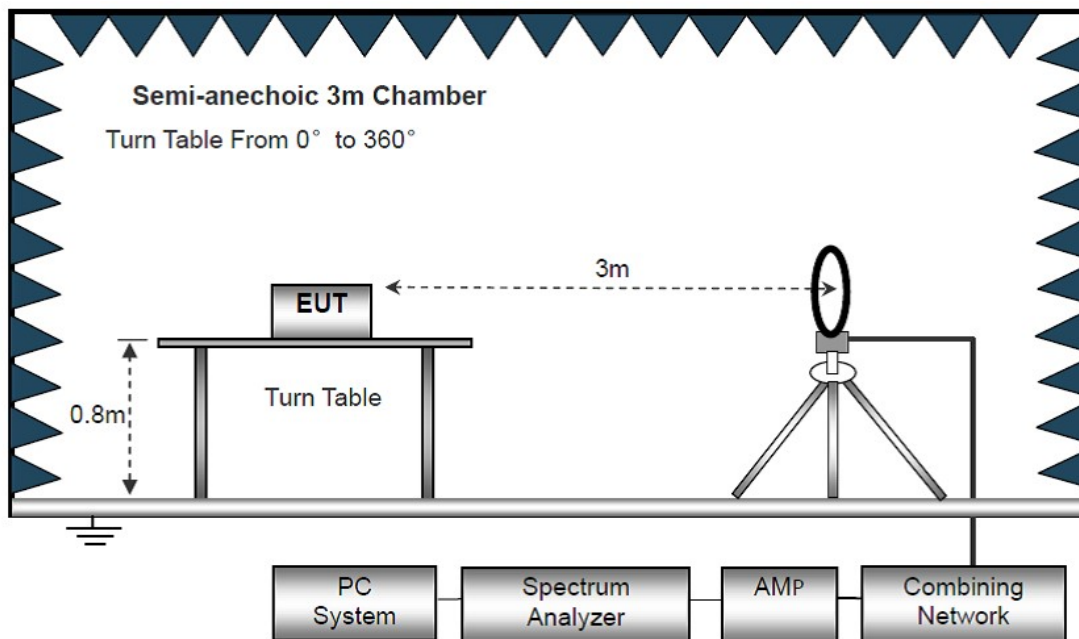
Operating Environment :

Temperature:	:	25 °C
Humidity:	:	60 % RH
Atmospheric Pressure:	:	101.3kPa
Test Voltage	:	AC 120V 60Hz

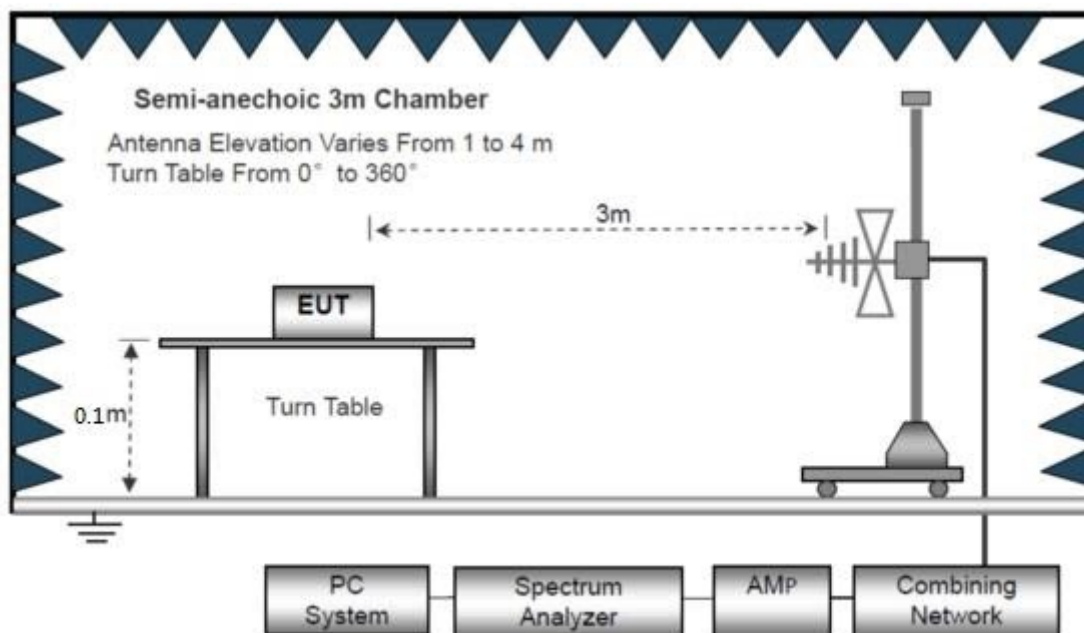
6.2 Test Setup

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

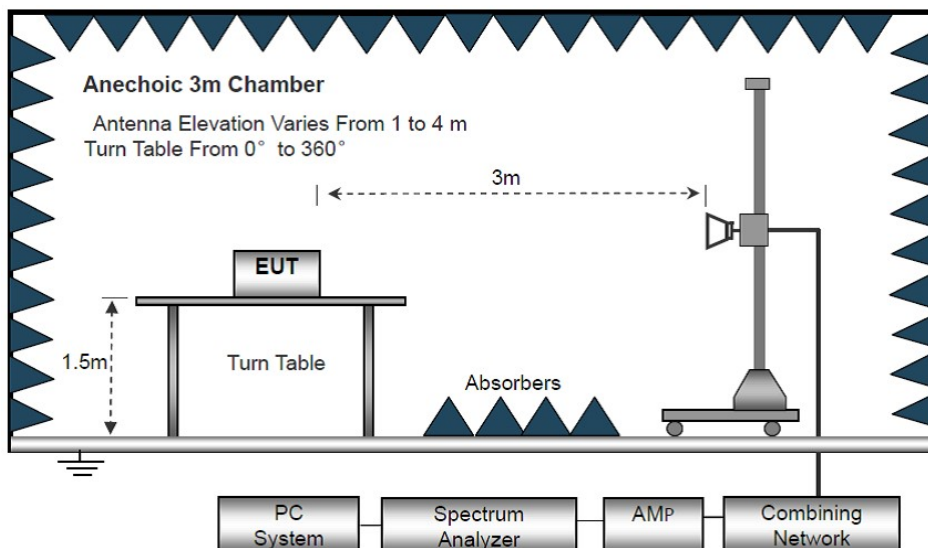
The test setup for emission measurement below 30MHz



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 0.1m above ground plane, And above 1000MHz, The EUT's ANT 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

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 = $40\log(\text{Specific distance} / \text{test distance})$ (dB);

Limit line = Specific limits (dBuV) + distance extrapolation factor.

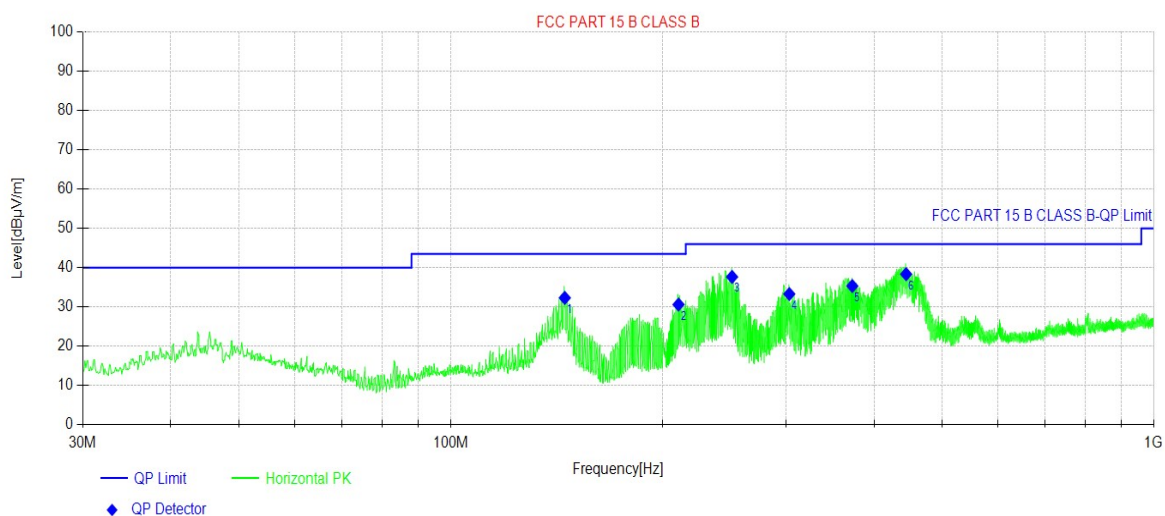
Test Frequency: 30MHz ~ 1GHz

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

Please refer to the following test plots:



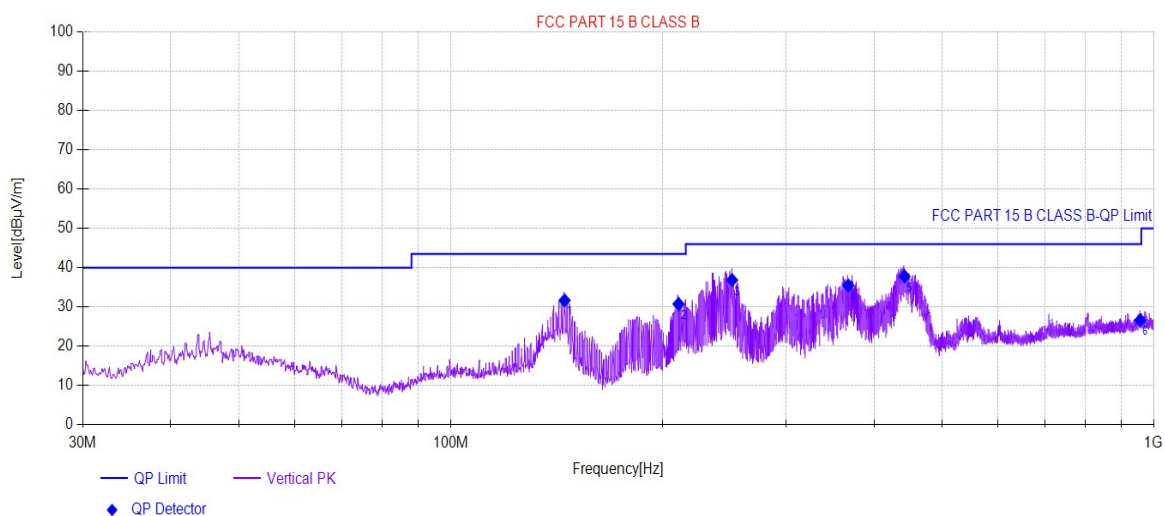
Antenna Polarization: Horizontal(CH36)



Final Test Data								
NO.	Freq. [MHz]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity	Result
1	145.34	32.29	43.50	11.21	200	123	Horizontal	PASS
2	210.92	30.60	43.50	12.90	100	27	Horizontal	PASS
3	251.38	37.63	46.00	8.37	100	132	Horizontal	PASS
4	303.18	33.27	46.00	12.73	100	88	Horizontal	PASS
5	372.64	35.32	46.00	10.68	100	150	Horizontal	PASS
6	444.52	38.33	46.00	7.67	100	70	Horizontal	PASS



Antenna Polarization: Vertical (CH36)



Final Test Data								
NO.	Freq. [MHz]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity	Result
1	145.25	31.65	43.50	11.85	100	139	Vertical	PASS
2	210.92	30.74	43.50	12.76	100	26	Vertical	PASS
3	251.38	36.82	46.00	9.18	100	130	Vertical	PASS
4	367.69	35.46	46.00	10.54	100	147	Vertical	PASS
5	442.10	37.75	46.00	8.25	100	78	Vertical	PASS
6	956.35	26.62	46.00	19.38	100	323	Vertical	PASS

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



Test Frequency: From 1GHz to 40GHz

Pre-scan all test modes

Only the worst case Main test data.

Please refer to the following test plots:

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	49.08	38.98	5.36	31.25	62.17	68.2	-6.03	V
15540	43.76	39.58	7.85	30.63	60.56	68.2	-7.64	V
20720	41.73	37.92	8.56	34.95	53.26	68.2	-14.94	V
10360	49.30	38.98	5.36	31.25	62.39	68.2	-5.81	H
15540	37.15	39.58	7.85	30.63	53.95	68.2	-14.25	H
20720	44.33	37.92	8.56	34.95	55.86	68.2	-12.34	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.
10360	34.17	38.98	5.36	31.25	47.26	54	-6.74	V
15540	29.18	39.58	7.85	30.63	45.98	54	-8.02	V
20720	24.62	37.92	8.56	34.95	36.15	54	-17.85	V
10360	34.99	38.98	5.36	31.25	48.08	54	-5.92	H
15540	25.81	39.58	7.85	30.63	42.61	54	-11.39	H
20720	22.70	37.92	8.56	34.95	34.23	54	-19.77	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	46.38	39.1	5.36	31.25	59.59	68.2	-8.61	V
15600	45.02	39.7	7.85	30.63	61.94	68.2	-6.26	V
20800	42.71	37.84	8.56	34.95	54.16	68.2	-14.04	V
10400	47.04	39.1	5.36	31.25	60.25	68.2	-7.95	H
15600	42.35	39.7	7.85	30.63	59.27	68.2	-8.93	H
20800	41.72	37.84	8.56	34.95	53.17	68.2	-15.03	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	32.97	39.1	5.36	31.25	46.18	54	-7.82	V
15600	26.37	39.7	7.85	30.63	43.29	54	-10.71	V
20800	27.09	37.84	8.56	34.95	38.54	54	-15.46	V
10400	30.97	39.1	5.36	31.25	44.18	54	-9.82	H
15600	28.82	39.7	7.85	30.63	45.74	54	-8.26	H
20800	27.22	37.84	8.56	34.95	38.67	54	-15.33	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	45.79	39.34	5.36	31.25	59.24	68.2	-8.96	V
15720	43.90	39.72	7.85	30.63	60.84	68.2	-7.36	V
20960	43.69	37.65	8.56	34.95	54.95	68.2	-13.25	V
10480	48.60	39.34	5.36	31.25	62.05	68.2	-6.15	H
15720	45.07	39.72	7.85	30.63	62.01	68.2	-6.19	H
20960	48.69	37.65	8.56	34.95	59.95	68.2	-8.25	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	31.50	39.34	5.36	31.25	44.95	54	-9.05	V
15720	31.18	39.72	7.85	30.63	48.12	54	-5.88	V
20960	30.63	37.65	8.56	34.95	41.89	54	-12.11	V
10480	34.81	39.34	5.36	31.25	48.26	54	-5.74	H
15720	24.03	39.72	7.85	30.63	40.97	54	-13.03	H
20960	27.03	37.65	8.56	34.95	38.29	54	-15.71	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	49.99	39.65	5.42	31.75	63.31	68.2	-4.89	V
17235	42.23	41.28	7.32	30.96	59.87	68.2	-8.33	V
22980	45.59	37.12	8.85	35.25	56.31	68.2	-11.89	V
11490	50.72	39.65	5.42	31.75	64.04	68.2	-4.16	H
17235	42.17	41.28	7.32	30.96	59.81	68.2	-8.39	H
22980	46.81	37.12	8.85	35.25	57.53	68.2	-10.67	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	30.45	39.65	5.42	31.75	43.77	54	-10.23	V
17235	31.60	41.28	7.32	30.96	49.24	54	-4.76	V
22980	30.60	37.12	8.85	35.25	41.32	54	-12.68	V
11490	30.03	39.65	5.42	31.75	43.35	54	-10.65	H
17235	28.44	41.28	7.32	30.96	46.08	54	-7.92	H
22980	28.06	37.12	8.85	35.25	38.78	54	-15.22	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	49.18	39.84	5.42	31.75	62.69	68.2	-5.51	V
17355	42.90	42.02	7.32	30.96	61.28	68.2	-6.92	V
23140	46.71	37.32	8.85	35.25	57.63	68.2	-10.57	V
11570	47.89	39.84	5.42	31.75	61.40	68.2	-6.8	H
17355	43.28	42.02	7.32	30.96	61.66	68.2	-6.54	H
23140	42.97	37.32	8.85	35.25	53.89	68.2	-14.31	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.
11570	32.06	39.84	5.42	31.75	45.57	54	-8.43	V
17355	27.66	42.02	7.32	30.96	46.04	54	-7.96	V
23140	25.90	37.32	8.85	35.25	36.82	54	-17.18	V
11570	33.94	39.84	5.42	31.75	47.45	54	-6.55	H
17355	27.36	42.02	7.32	30.96	45.74	54	-8.26	H
23140	30.35	37.32	8.85	35.25	41.27	54	-12.73	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	48.70	39.8	5.42	31.75	62.17	68.2	-6.03	V
17475	43.23	42.13	7.32	30.96	61.72	68.2	-6.48	V
23300	43.83	37.6	8.85	35.25	55.03	68.2	-13.17	V
11650	47.56	39.8	5.42	31.75	61.03	68.2	-7.17	H
17475	45.50	42.13	7.32	30.96	63.99	68.2	-4.21	H
23300	47.06	37.6	8.85	35.25	58.26	68.2	-9.94	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	37.19	39.8	5.42	31.75	50.66	54	-3.34	V
17475	26.95	42.13	7.32	30.96	45.44	54	-8.56	V
23300	29.04	37.6	8.85	35.25	40.24	54	-13.76	V
11650	35.42	39.8	5.42	31.75	48.89	54	-5.11	H
17475	27.57	42.13	7.32	30.96	46.06	54	-7.94	H
23300	26.02	37.6	8.85	35.25	37.22	54	-16.78	H

Note:

1. The testing has been conformed to 40GHz.
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.



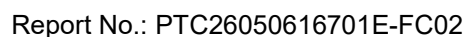
Undesirable emission

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	5134.38	-34.82	≤-27	PASS
11A	Ant1	5180	5360~40000	39617.81	-45.33	≤-27	PASS
11A	Ant1	5200	30~5140	4892.34	-44.74	≤-27	PASS
11A	Ant1	5200	5360~40000	5850.73	-40.86	≤-27	PASS
11A	Ant1	5240	30~5140	4197.03	-46.58	≤-27	PASS
11A	Ant1	5240	5360~40000	34578.84	-44.62	≤-27	PASS
11A	Ant1	5745	30~5650	3455.2	-47.43	≤-27	PASS
11A	Ant1	5745	5925~40000	36544.8	-45.86	≤-27	PASS
11A	Ant1	5785	30~5650	3469.07	-44.73	≤-27	PASS
11A	Ant1	5785	5925~40000	5957.94	-38.72	≤-27	PASS
11A	Ant1	5825	30~5650	3498.29	-43.9	≤-27	PASS
11A	Ant1	5825	5925~40000	35339.68	-45.07	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5138.13	-34.72	≤-27	PASS
11N20SISO	Ant1	5180	5360~40000	38957.34	-44.54	≤-27	PASS
11N20SISO	Ant1	5200	30~5140	5138.3	-44.17	≤-27	PASS
11N20SISO	Ant1	5200	5360~40000	34631.95	-44.86	≤-27	PASS
11N20SISO	Ant1	5240	30~5140	4192.1	-39.76	≤-27	PASS
11N20SISO	Ant1	5240	5360~40000	38937.71	-45.97	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	3453.33	-46.7	≤-27	PASS
11N20SISO	Ant1	5745	5925~40000	17236.76	-45.29	≤-27	PASS
11N20SISO	Ant1	5785	30~5650	3470	-44.69	≤-27	PASS
11N20SISO	Ant1	5785	5925~40000	34525.28	-45.68	≤-27	PASS
11N20SISO	Ant1	5825	30~5650	3501.47	-45.07	≤-27	PASS
11N20SISO	Ant1	5825	5925~40000	39109.51	-45.14	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5137.79	-31.51	≤-27	PASS
11N40SISO	Ant1	5190	5360~40000	39505.8	-45.33	≤-27	PASS
11N40SISO	Ant1	5230	30~5140	4184.6	-37.14	≤-27	PASS
11N40SISO	Ant1	5230	5360~40000	5364.62	-42.34	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5648.31	-46.34	≤-27	PASS
11N40SISO	Ant1	5755	5925~40000	34756.99	-45.73	≤-27	PASS
11N40SISO	Ant1	5795	30~5650	3484.24	-47.4	≤-27	PASS
11N40SISO	Ant1	5795	5925~40000	39027.73	-45.37	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	5129.27	-33.61	≤-27	PASS
11AC20SISO	Ant1	5180	5360~40000	5722.57	-44.92	≤-27	PASS
11AC20SISO	Ant1	5200	30~5140	4160.92	-37.72	≤-27	PASS
11AC20SISO	Ant1	5200	5360~40000	5556.29	-42.32	≤-27	PASS
11AC20SISO	Ant1	5240	30~5140	4998.62	-45.71	≤-27	PASS
11AC20SISO	Ant1	5240	5360~40000	5512.42	-40.39	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	3454.83	-46.7	≤-27	PASS
11AC20SISO	Ant1	5745	5925~40000	36060.93	-46.4	≤-27	PASS
11AC20SISO	Ant1	5785	30~5650	3474.12	-44.95	≤-27	PASS
11AC20SISO	Ant1	5785	5925~40000	34510.52	-45.38	≤-27	PASS
11AC20SISO	Ant1	5825	30~5650	3492.67	-45.07	≤-27	PASS
11AC20SISO	Ant1	5825	5925~40000	34651.36	-46	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5138.81	-30.3	≤-27	PASS
11AC40SISO	Ant1	5190	5360~40000	5605.94	-41.81	≤-27	PASS
11AC40SISO	Ant1	5230	30~5140	5138.81	-43.33	≤-27	PASS
11AC40SISO	Ant1	5230	5360~40000	5520.5	-40.86	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5646.63	-45.15	≤-27	PASS
11AC40SISO	Ant1	5755	5925~40000	38250.82	-45.76	≤-27	PASS
11AC40SISO	Ant1	5795	30~5650	3475.06	-47.64	≤-27	PASS
11AC40SISO	Ant1	5795	5925~40000	39025.46	-46.17	≤-27	PASS
11AX20SISO	Ant1	5180	30~5140	5134.38	-36.25	≤-27	PASS



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11AX20SISO	Ant1	5180	5360~40000	5416.58	-44.43	≤-27	PASS
11AX20SISO	Ant1	5200	30~5140	4160.75	-37.11	≤-27	PASS
11AX20SISO	Ant1	5200	5360~40000	5713.33	-43.61	≤-27	PASS
11AX20SISO	Ant1	5240	30~5140	5004.07	-43.25	≤-27	PASS
11AX20SISO	Ant1	5240	5360~40000	5572.46	-41.82	≤-27	PASS
11AX20SISO	Ant1	5745	30~5650	5428.57	-46.93	≤-27	PASS
11AX20SISO	Ant1	5745	5925~40000	6047.67	-42.79	≤-27	PASS
11AX20SISO	Ant1	5785	30~5650	3465.51	-44.54	≤-27	PASS
11AX20SISO	Ant1	5785	5925~40000	34616.15	-45.4	≤-27	PASS
11AX20SISO	Ant1	5825	30~5650	5642.32	-39.73	≤-27	PASS
11AX20SISO	Ant1	5825	5925~40000	39178.79	-44.8	≤-27	PASS
11AX40SISO	Ant1	5190	30~5140	5139.49	-27.69	≤-27	PASS
11AX40SISO	Ant1	5190	5360~40000	5528.58	-40.28	≤-27	PASS
11AX40SISO	Ant1	5230	30~5140	4185.11	-40.13	≤-27	PASS
11AX40SISO	Ant1	5230	5360~40000	5691.39	-42.92	≤-27	PASS
11AX40SISO	Ant1	5755	30~5650	3459.89	-48.52	≤-27	PASS
11AX40SISO	Ant1	5755	5925~40000	39050.44	-45.3	≤-27	PASS
11AX40SISO	Ant1	5795	30~5650	3487.42	-48.15	≤-27	PASS
11AX40SISO	Ant1	5795	5925~40000	35118.19	-45.88	≤-27	PASS



The screenshot displays the Keysight Spectrum Analyzer 1 interface. The main display area shows a spectrum plot with a yellow trace. A significant peak is visible at 5.134 GHz, labeled with a magnitude of -34.82 dBm. The plot is set to a resolution bandwidth (RBW) of 3.0 MHz and a video bandwidth (VBW) of 3.0 MHz. The frequency range is from 5.100 GHz to 5.140 GHz. The plot is titled "Mkr 1 5.134 38 GHz".

Key parameters and settings visible on the screen include:

- Input:** RF, Coupling: DC, Att: 20.0 dB
- Filters:** PNO: Fast, Gate: Off, IF: Gain: Low, Sig. Track: Off
- Power:** Avg Type: Power (RMS), Avg Hold: 100/100, Trig: Free Run
- Center Frequency:** 5.134 GHz
- Span:** 40.0 MHz
- Start Freq:** 5.100 GHz
- Stop Freq:** 5.140 GHz
- Resolution Bandwidth (RBW):** 3.0 MHz
- Video Bandwidth (VBW):** 3.0 MHz
- Reference Level:** 14.31 dBm
- Reference Level Offset:** 14.31 dB
- Marker 1:** 5.134 GHz, -34.82 dBm
- Marker 2:** 5.137 GHz, -27.00 dBm
- Marker 3:** 5.138 GHz, -27.00 dBm
- Marker 4:** 5.139 GHz, -27.00 dBm
- Marker 5:** 5.140 GHz, -27.00 dBm
- Marker 6:** 5.141 GHz, -27.00 dBm
- Marker 7:** 5.142 GHz, -27.00 dBm
- Marker 8:** 5.143 GHz, -27.00 dBm
- Marker 9:** 5.144 GHz, -27.00 dBm
- Marker 10:** 5.145 GHz, -27.00 dBm
- Marker 11:** 5.146 GHz, -27.00 dBm
- Marker 12:** 5.147 GHz, -27.00 dBm
- Marker 13:** 5.148 GHz, -27.00 dBm
- Marker 14:** 5.149 GHz, -27.00 dBm
- Marker 15:** 5.150 GHz, -27.00 dBm
- Marker 16:** 5.151 GHz, -27.00 dBm
- Marker 17:** 5.152 GHz, -27.00 dBm
- Marker 18:** 5.153 GHz, -27.00 dBm
- Marker 19:** 5.154 GHz, -27.00 dBm
- Marker 20:** 5.155 GHz, -27.00 dBm
- Marker 21:** 5.156 GHz, -27.00 dBm
- Marker 22:** 5.157 GHz, -27.00 dBm
- Marker 23:** 5.158 GHz, -27.00 dBm
- Marker 24:** 5.159 GHz, -27.00 dBm
- Marker 25:** 5.160 GHz, -27.00 dBm
- Marker 26:** 5.161 GHz, -27.00 dBm
- Marker 27:** 5.162 GHz, -27.00 dBm
- Marker 28:** 5.163 GHz, -27.00 dBm
- Marker 29:** 5.164 GHz, -27.00 dBm
- Marker 30:** 5.165 GHz, -27.00 dBm
- Marker 31:** 5.166 GHz, -27.00 dBm
- Marker 32:** 5.167 GHz, -27.00 dBm
- Marker 33:** 5.168 GHz, -27.00 dBm
- Marker 34:** 5.169 GHz, -27.00 dBm
- Marker 35:** 5.170 GHz, -27.00 dBm
- Marker 36:** 5.171 GHz, -27.00 dBm
- Marker 37:** 5.172 GHz, -27.00 dBm
- Marker 38:** 5.173 GHz, -27.00 dBm
- Marker 39:** 5.174 GHz, -27.00 dBm
- Marker 40:** 5.175 GHz, -27.00 dBm
- Marker 41:** 5.176 GHz, -27.00 dBm
- Marker 42:** 5.177 GHz, -27.00 dBm
- Marker 43:** 5.178 GHz, -27.00 dBm
- Marker 44:** 5.179 GHz, -27.00 dBm
- Marker 45:** 5.180 GHz, -27.00 dBm
- Marker 46:** 5.181 GHz, -27.00 dBm
- Marker 47:** 5.182 GHz, -27.00 dBm
- Marker 48:** 5.183 GHz, -27.00 dBm
- Marker 49:** 5.184 GHz, -27.00 dBm
- Marker 50:** 5.185 GHz, -27.00 dBm
- Marker 51:** 5.186 GHz, -27.00 dBm
- Marker 52:** 5.187 GHz, -27.00 dBm
- Marker 53:** 5.188 GHz, -27.00 dBm
- Marker 54:** 5.189 GHz, -27.00 dBm
- Marker 55:** 5.190 GHz, -27.00 dBm
- Marker 56:** 5.191 GHz, -27.00 dBm
- Marker 57:** 5.192 GHz, -27.00 dBm
- Marker 58:** 5.193 GHz, -27.00 dBm
- Marker 59:** 5.194 GHz, -27.00 dBm
- Marker 60:** 5.195 GHz, -27.00 dBm
- Marker 61:** 5.196 GHz, -27.00 dBm
- Marker 62:** 5.197 GHz, -27.00 dBm
- Marker 63:** 5.198 GHz, -27.00 dBm
- Marker 64:** 5.199 GHz, -27.00 dBm
- Marker 65:** 5.200 GHz, -27.00 dBm
- Marker 66:** 5.201 GHz, -27.00 dBm
- Marker 67:** 5.202 GHz, -27.00 dBm
- Marker 68:** 5.203 GHz, -27.00 dBm
- Marker 69:** 5.204 GHz, -27.00 dBm
- Marker 70:** 5.205 GHz, -27.00 dBm
- Marker 71:** 5.206 GHz, -27.00 dBm
- Marker 72:** 5.207 GHz, -27.00 dBm
- Marker 73:** 5.208 GHz, -27.00 dBm
- Marker 74:** 5.209 GHz, -27.00 dBm
- Marker 75:** 5.210 GHz, -27.00 dBm
- Marker 76:** 5.211 GHz, -27.00 dBm
- Marker 77:** 5.212 GHz, -27.00 dBm
- Marker 78:** 5.213 GHz, -27.00 dBm
- Marker 79:** 5.214 GHz, -27.00 dBm
- Marker 80:** 5.215 GHz, -27.00 dBm
- Marker 81:** 5.216 GHz, -27.00 dBm
- Marker 82:** 5.217 GHz, -27.00 dBm
- Marker 83:** 5.218 GHz, -27.00 dBm
- Marker 84:** 5.219 GHz, -27.00 dBm
- Marker 85:** 5.220 GHz, -27.00 dBm
- Marker 86:** 5.221 GHz, -27.00 dBm
- Marker 87:** 5.222 GHz, -27.00 dBm
- Marker 88:** 5.223 GHz, -27.00 dBm
- Marker 89:** 5.224 GHz, -27.00 dBm
- Marker 90:** 5.225 GHz, -27.00 dBm
- Marker 91:** 5.226 GHz, -27.00 dBm
- Marker 92:** 5.227 GHz, -27.00 dBm
- Marker 93:** 5.228 GHz, -27.00 dBm
- Marker 94:** 5.229 GHz, -27.00 dBm
- Marker 95:** 5.230 GHz, -27.00 dBm
- Marker 96:** 5.231 GHz, -27.00 dBm
- Marker 97:** 5.232 GHz, -27.00 dBm
- Marker 98:** 5.233 GHz, -27.00 dBm
- Marker 99:** 5.234 GHz, -27.00 dBm
- Marker 100:** 5.235 GHz, -27.00 dBm
- Marker 101:** 5.236 GHz, -27.00 dBm
- Marker 102:** 5.237 GHz, -27.00 dBm
- Marker 103:** 5.238 GHz, -27.00 dBm
- Marker 104:** 5.239 GHz, -27.00 dBm
- Marker 105:** 5.240 GHz, -27.00 dBm
- Marker 106:** 5.241 GHz, -27.00 dBm
- Marker 107:** 5.242 GHz, -27.00 dBm
- Marker 108:** 5.243 GHz, -27.00 dBm
- Marker 109:** 5.244 GHz, -27.00 dBm
- Marker 110:** 5.245 GHz, -27.00 dBm
- Marker 111:** 5.246 GHz, -27.00 dBm
- Marker 112:** 5.247 GHz, -27.00 dBm
- Marker 113:** 5.248 GHz, -27.00 dBm
- Marker 114:** 5.249 GHz, -27.00 dBm
- Marker 115:** 5.250 GHz, -27.00 dBm
- Marker 116:** 5.251 GHz, -27.00 dBm
- Marker 117:** 5.252 GHz, -

Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input: RF Coupling: DC
RL Align: Auto

Input Z: 50 Ω
Corr Corr
Freq Ref: Int (S)

#Att: 10 dB
Preampl: Off
Source: Off

PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off

#Avg Type: Power (RMS)
AverHold: 100/100
Trig: Free Run

Center Frequency
22.680000000 GHz

Span
34.640000000 GHz

Sweep Span
Zero Span

Full Span

Start Freq
5.360000000 GHz

Stop Freq
40.000000000 GHz

AUTO TUNE

CF Step
3.464000000 GHz

Auto
Man

Freq Offset
0 Hz

X Axis Scale
Log
Lin

Signal Track
Sgn: 7mV

1 Spectrum
Scale/Div 10 dB
Log

Ref Lvl Offset 14.31 dB
Ref Level 14.31 dBm

Mkr1 39.617 GHz
-45.32 dBm

39.3 37.00 dBm

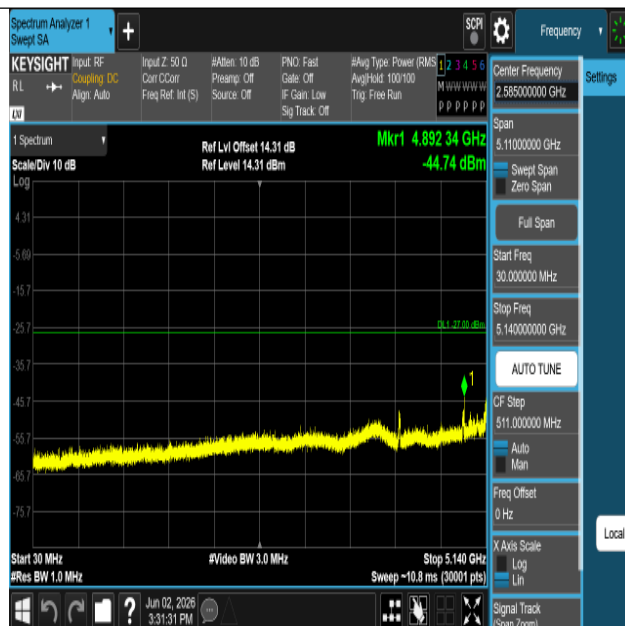
Start 5.38 GHz
#Res BW 1.0 MHz

#Video BW 3.0 MHz

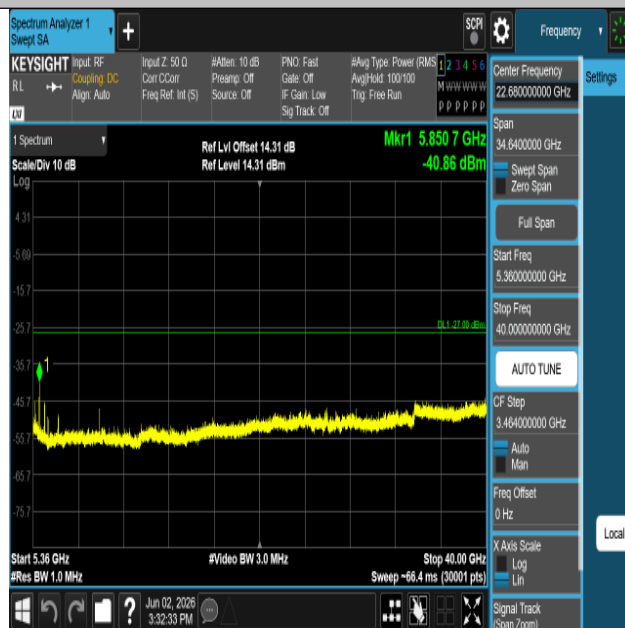
Stop 40.00 GHz
Sweep ~66.4 ms (00001 pts)

Jun 02, 2026
3:18:14 PM

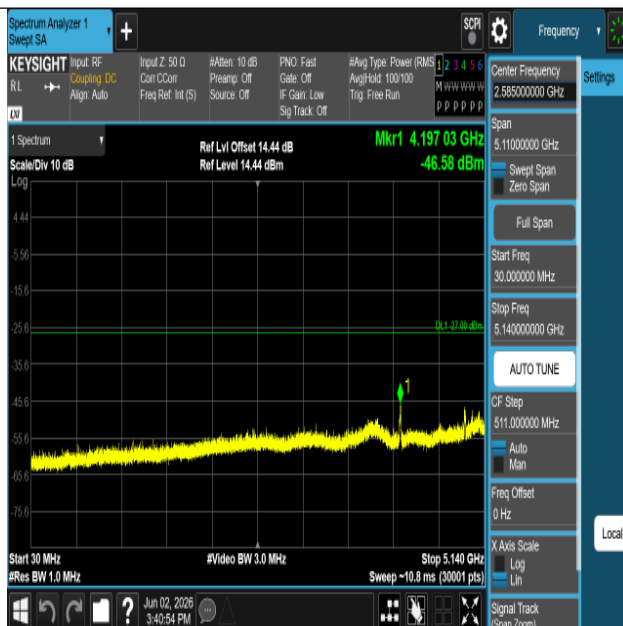
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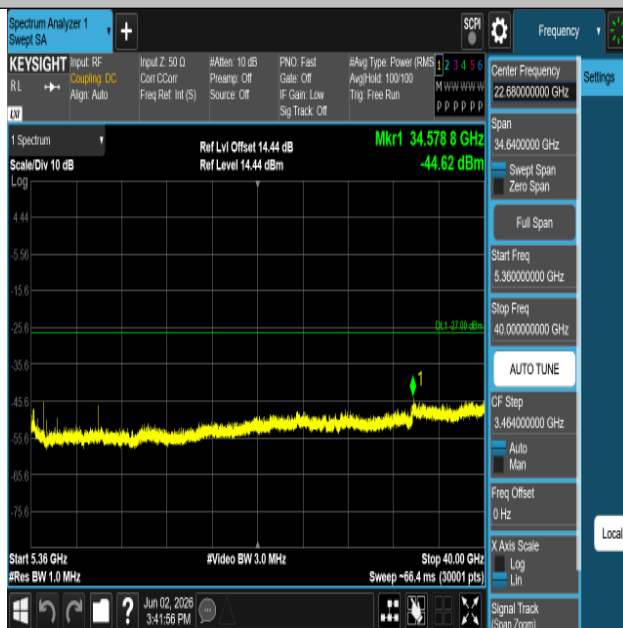
11A-Ant1-5200-30~5140-PASS



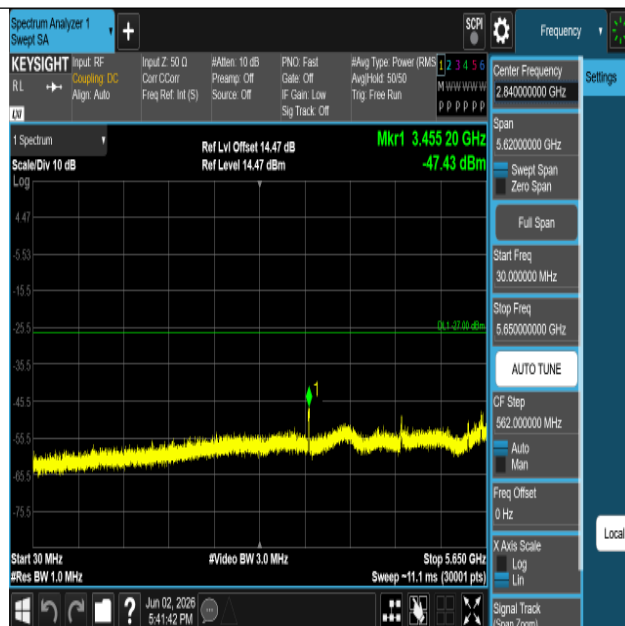
11A-Ant1-5200-5360~40000-PASS



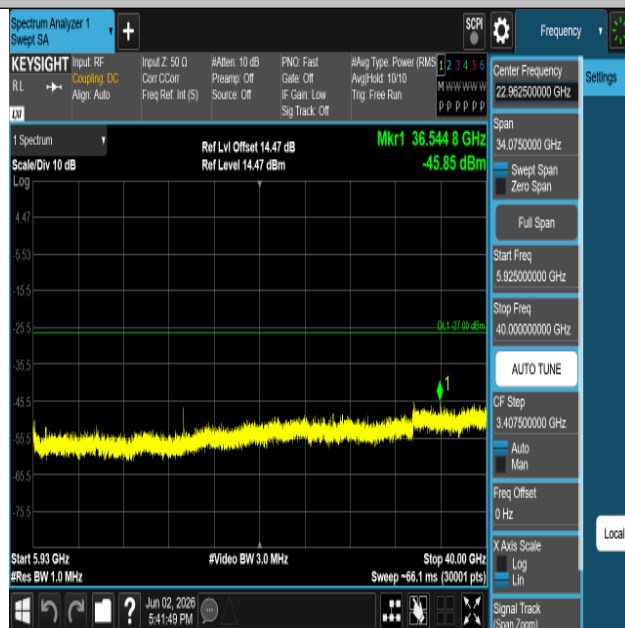
11A-Ant1-5240-30~5140-PASS



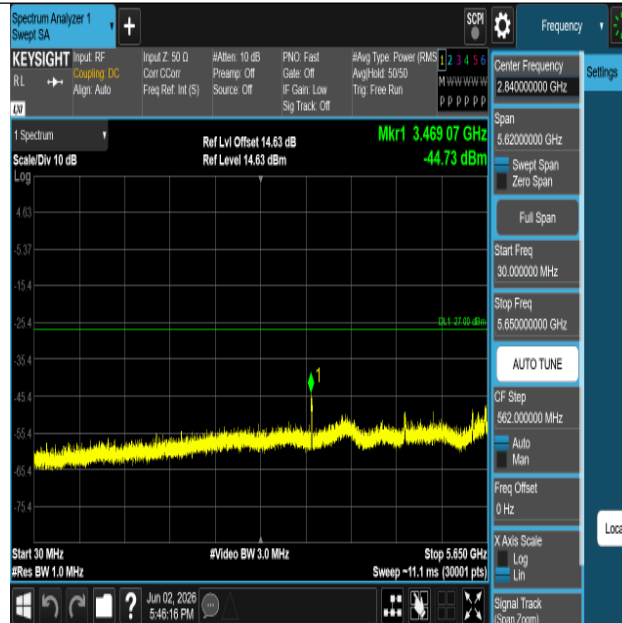
11A-Ant1-5240-5360~40000-PASS



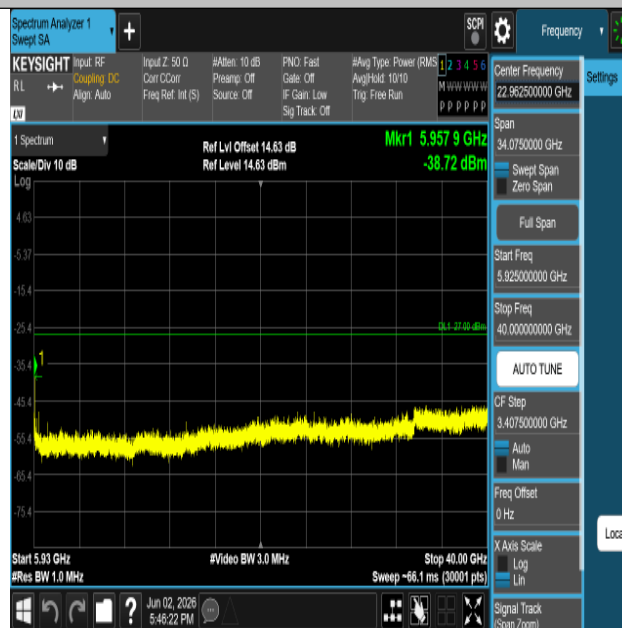
11A-Ant1-5745-30~5650-PASS



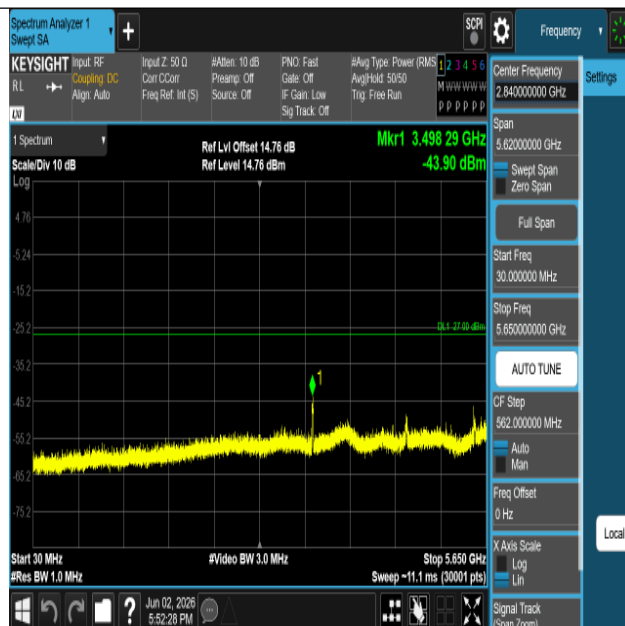
11A-Ant1-5745-5925~40000-PASS



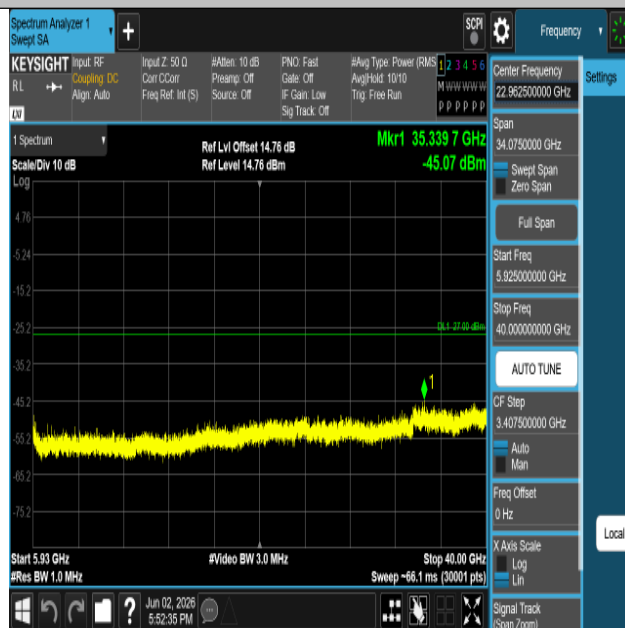
11A-Ant1-5785-30~5650-PASS



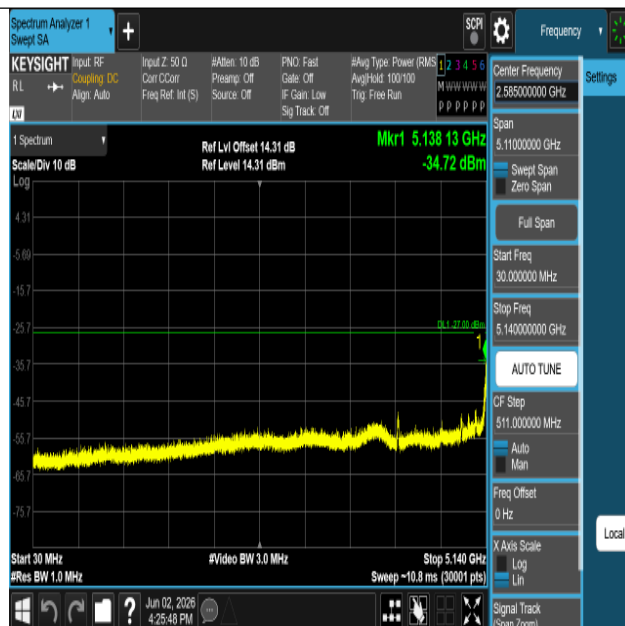
11A-Ant1-5785-5925~40000-PASS



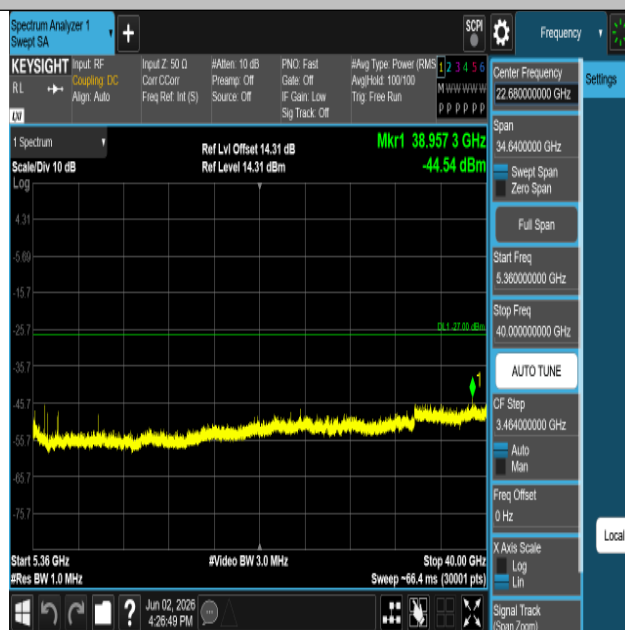
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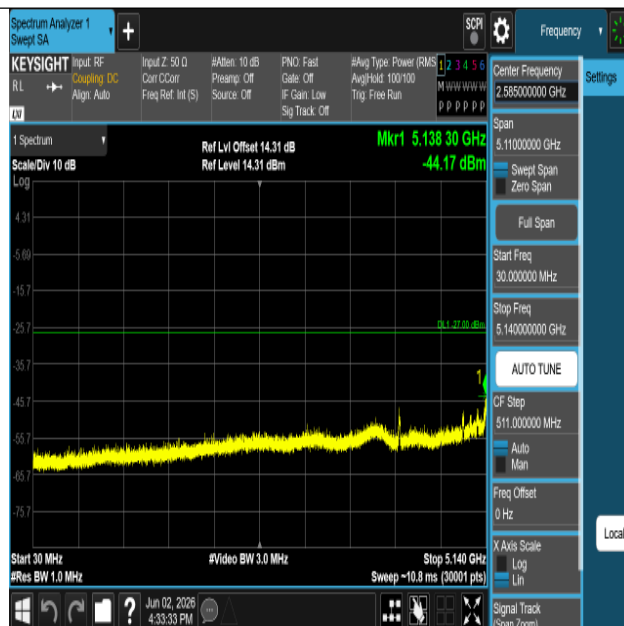
11A-Ant1-5825-5925~40000-PASS



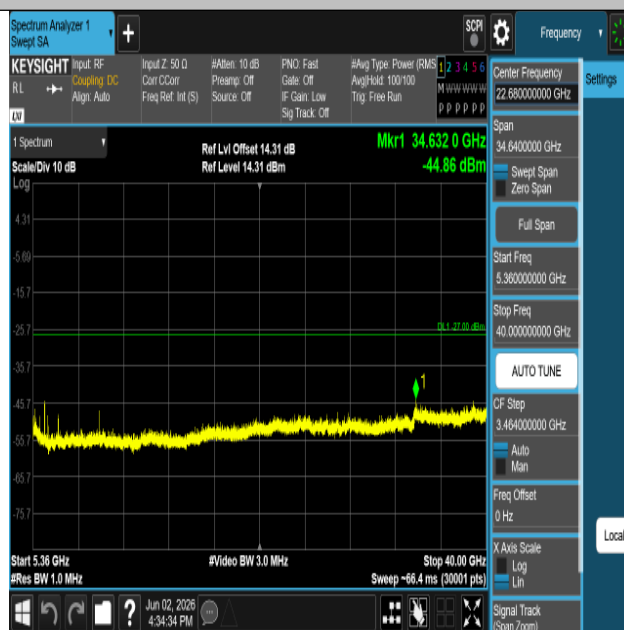
11N20SISO-Ant1-5180-30~5140-PASS



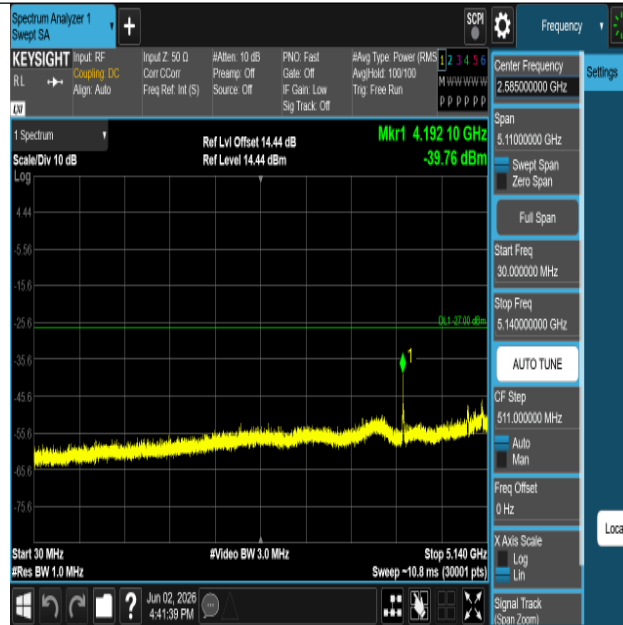
11N20SISO-Ant1-5180-5360~40000-PASS



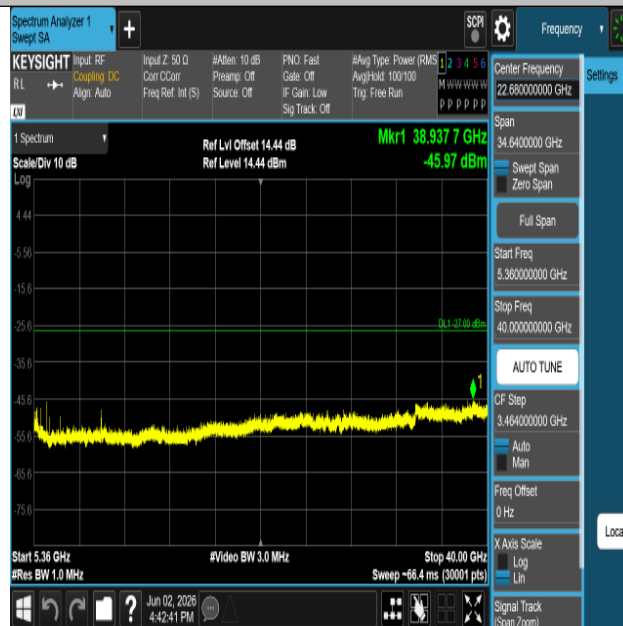
11N20SISO-Ant1-5200-30~5140-PASS



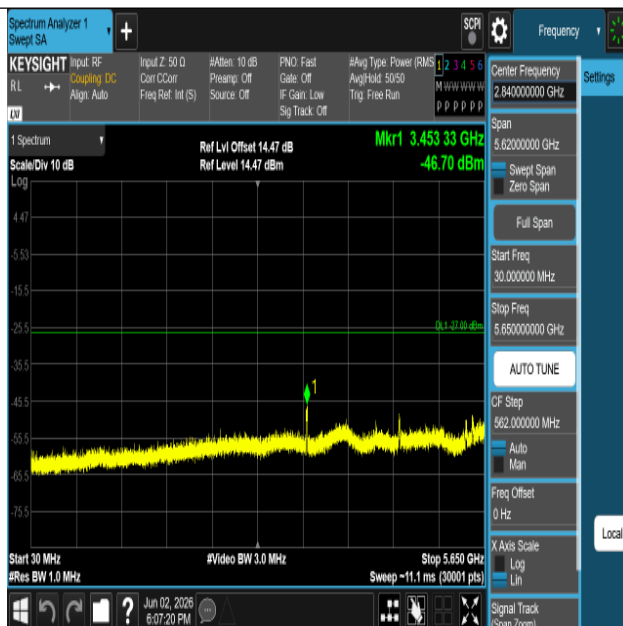
11N20SISO-Ant1-5200-5360~40000-PASS



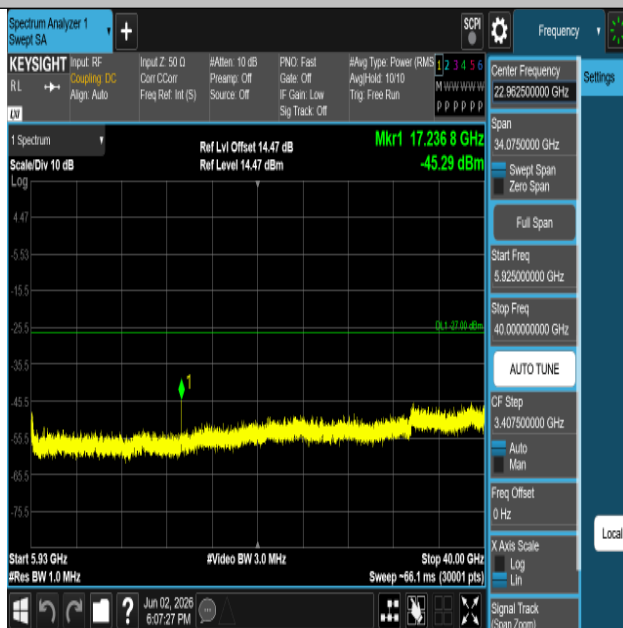
11N20SISO-Ant1-5240-30~5140-PASS



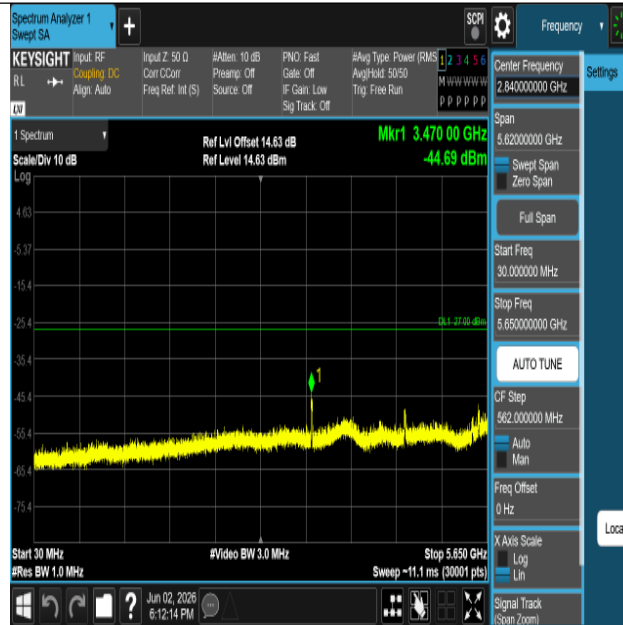
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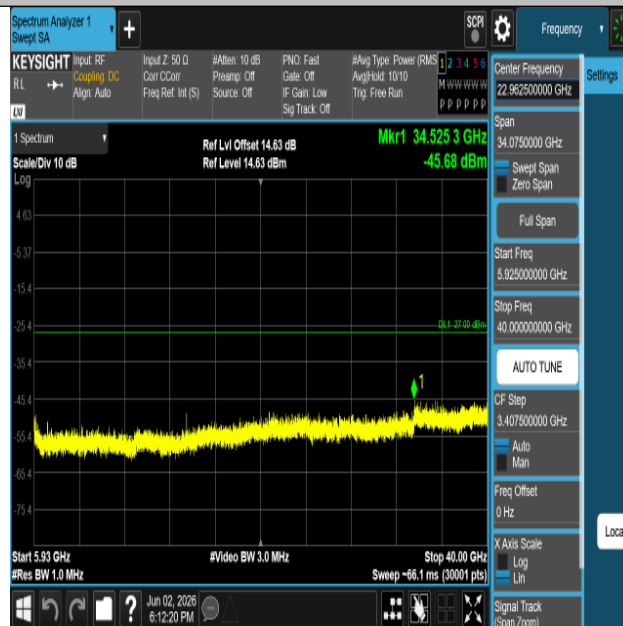
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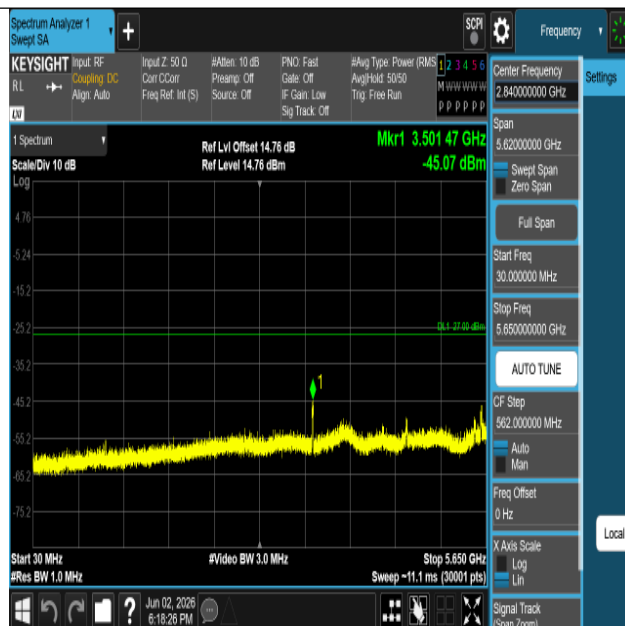
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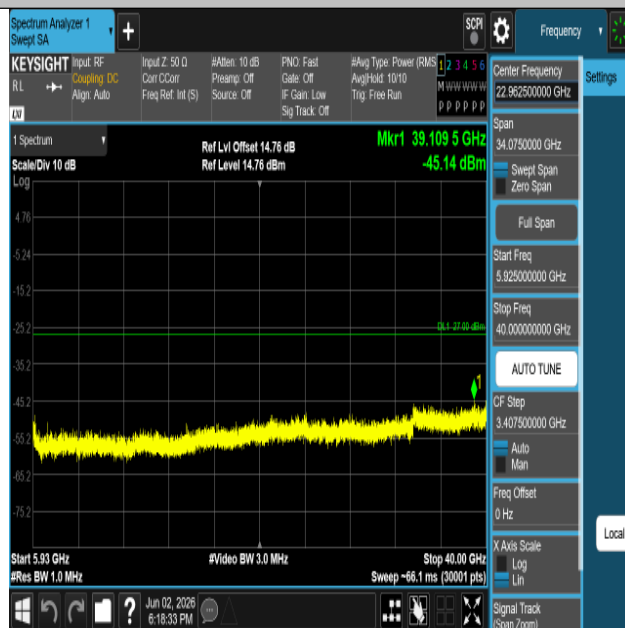
11N20SISO-Ant1-5785-30~5650-PASS



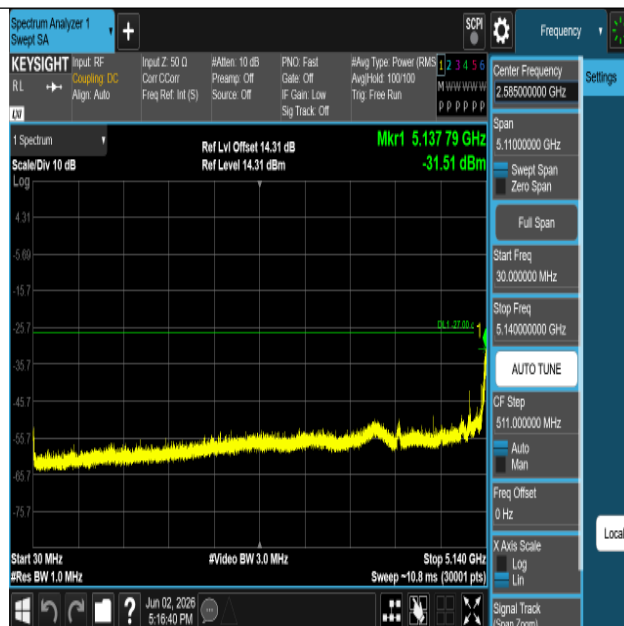
11N20SISO-Ant1-5785-5925~40000-PASS



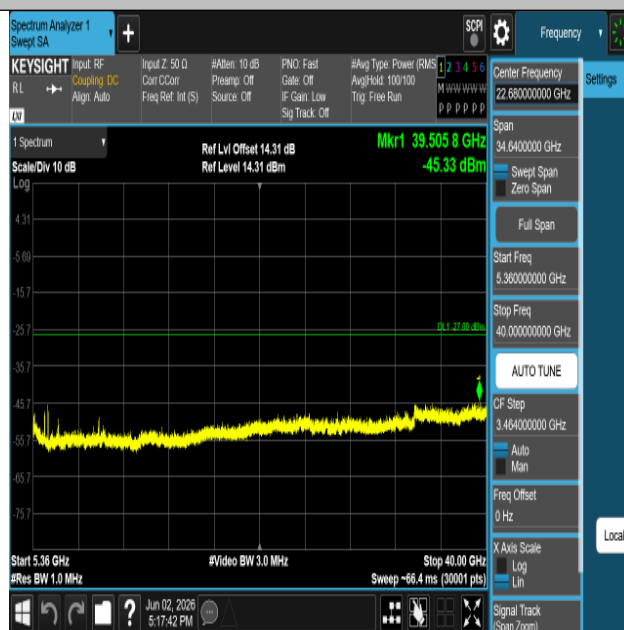
11N20SISO-Ant1-5825-30~5650-PASS



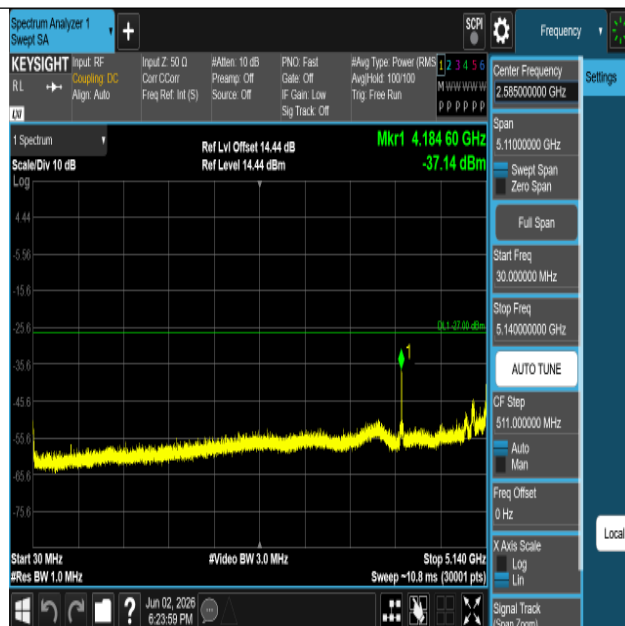
11N20SISO-Ant1-5825-5925~40000-PASS



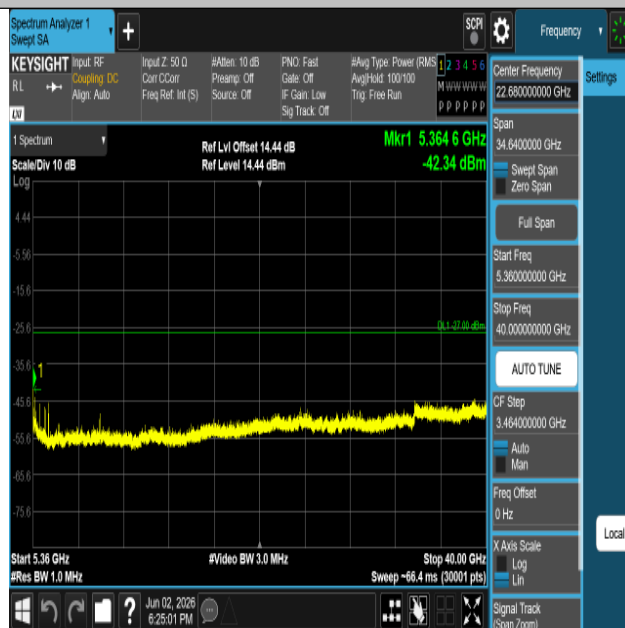
11N40SISO-Ant1-5190-30~5140-PASS



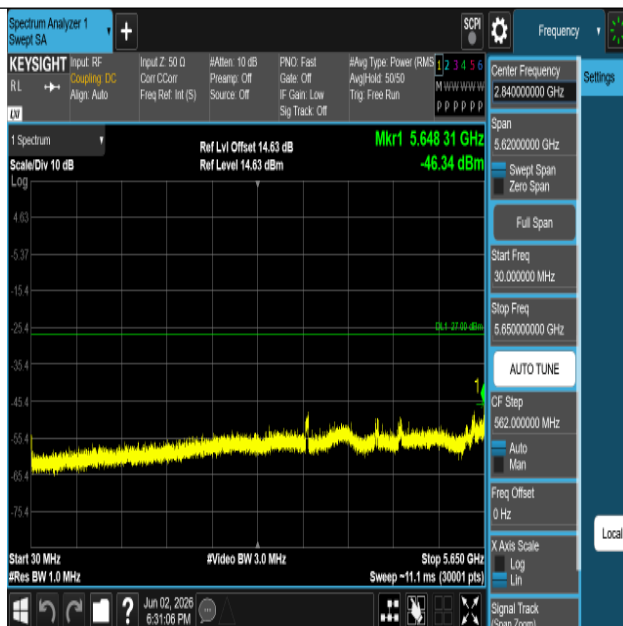
11N40SISO-Ant1-5190-5360~40000-PASS



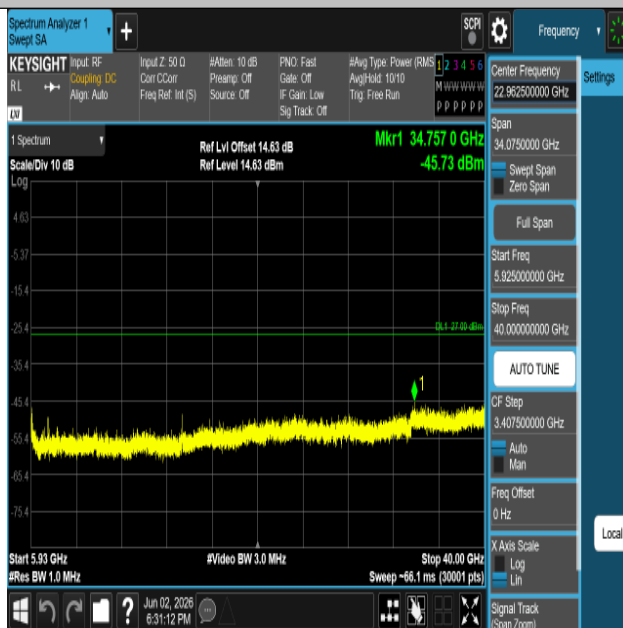
11N40SISO-Ant1-5230-30~5140-PASS



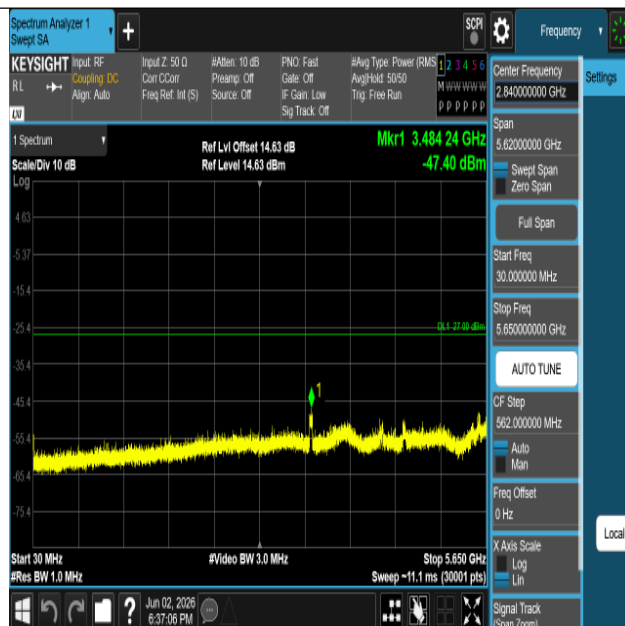
11N40SISO-Ant1-5230-5360~40000-PASS



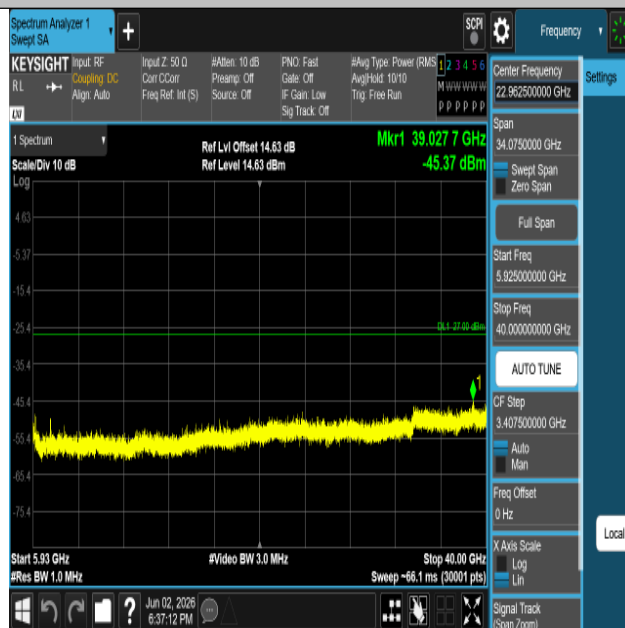
11N40SISO-Ant1-5755-30~5650-PASS



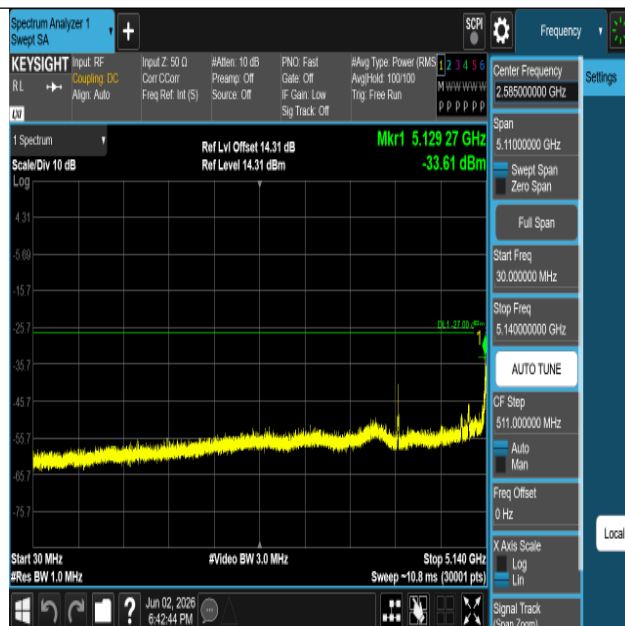
11N40SISO-Ant1-5755-5925~40000-PASS



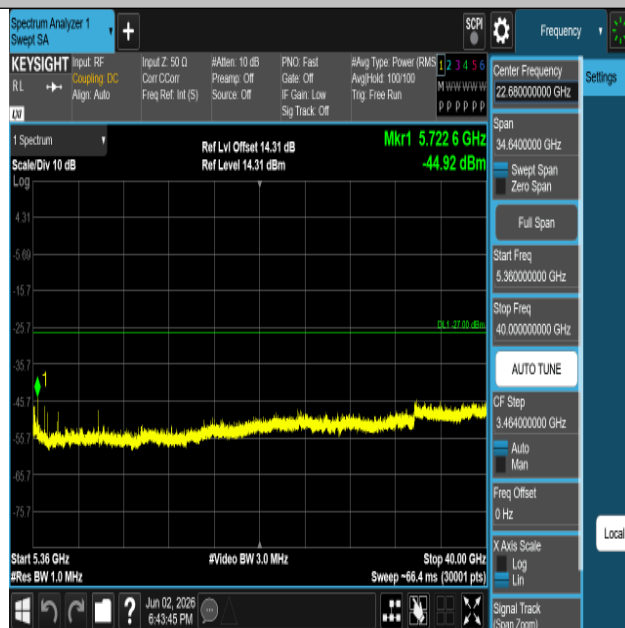
11N40SISO-Ant1-5795-30~5650-PASS



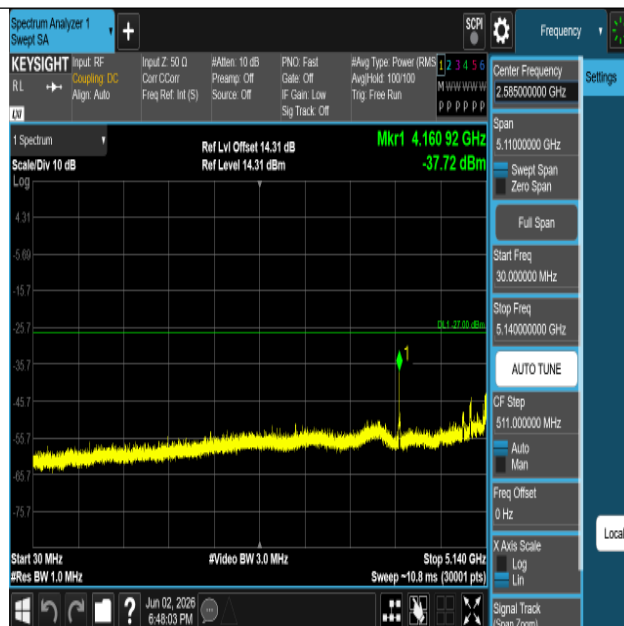
11N40SISO-Ant1-5795-5925~40000-PASS



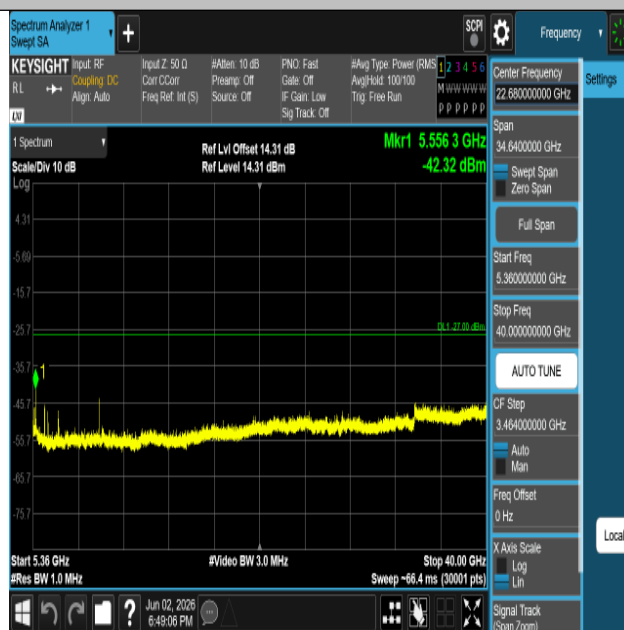
11AC20SISO-Ant1-5180-30~5140-PASS



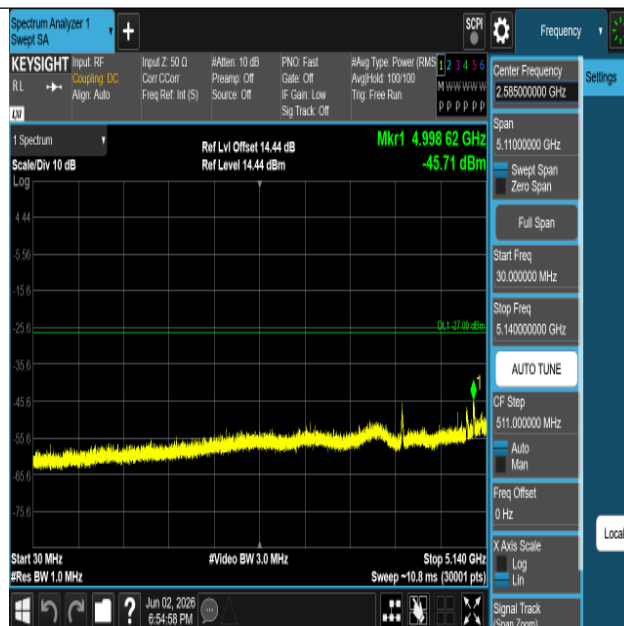
11AC20SISO-Ant1-5180-5360~40000-PASS



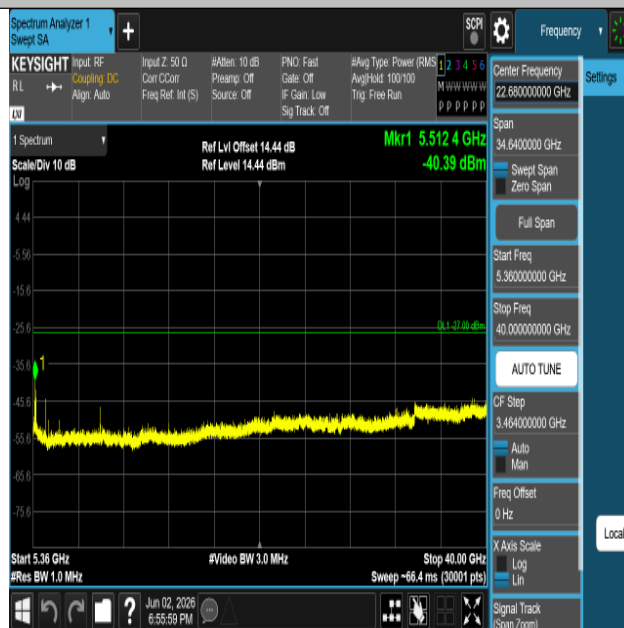
11AC20SISO-Ant1-5200-30~5140-PASS



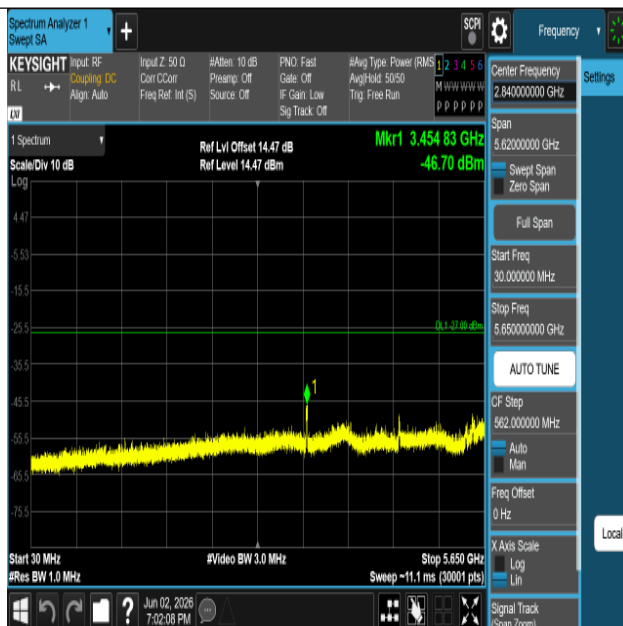
11AC20SISO-Ant1-5200-5360~40000-PASS



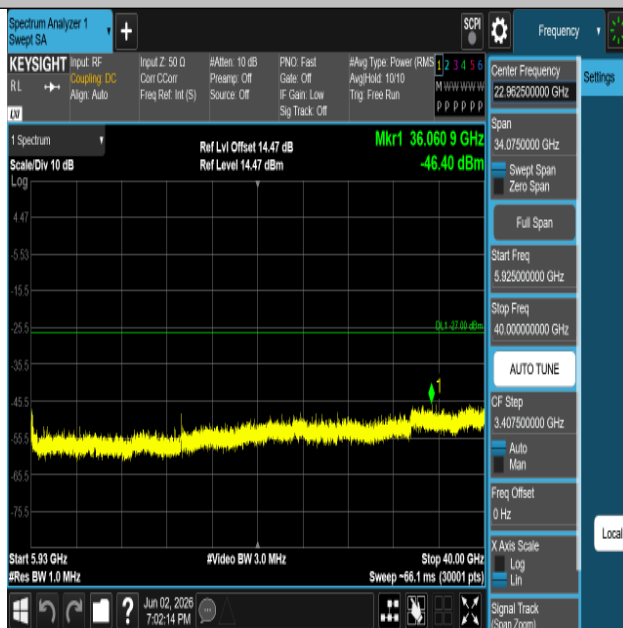
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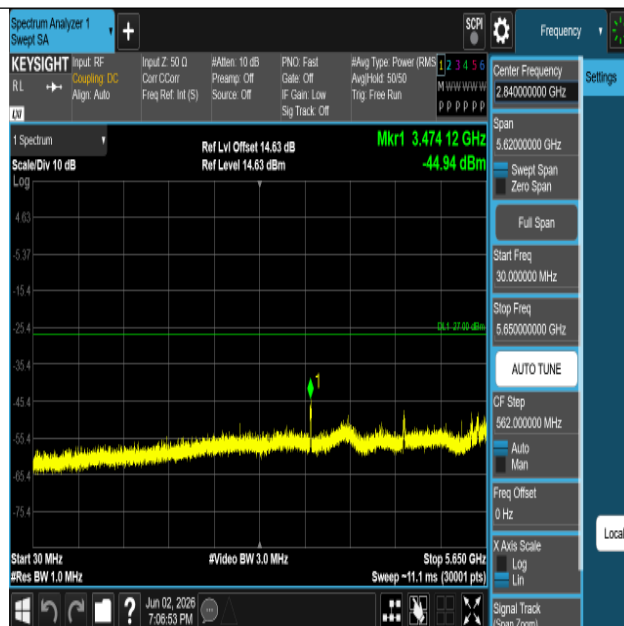
11AC20SISO-Ant1-5240-5360~40000-PASS



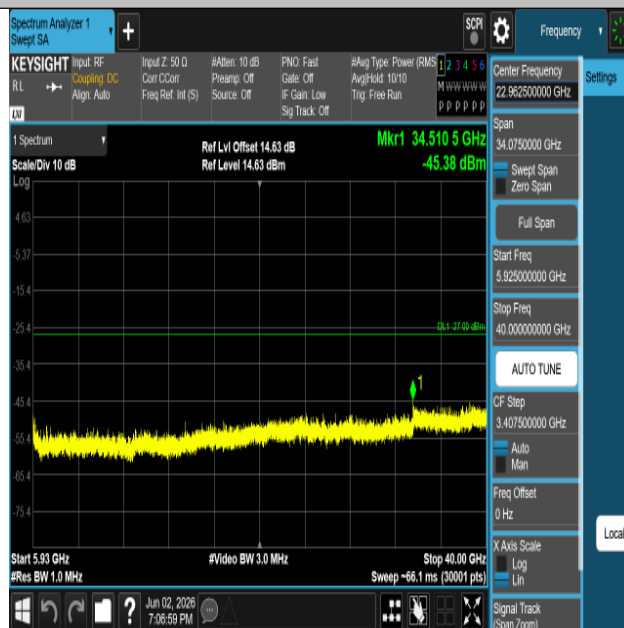
11AC20SISO-Ant1-5745-30~5650-PASS



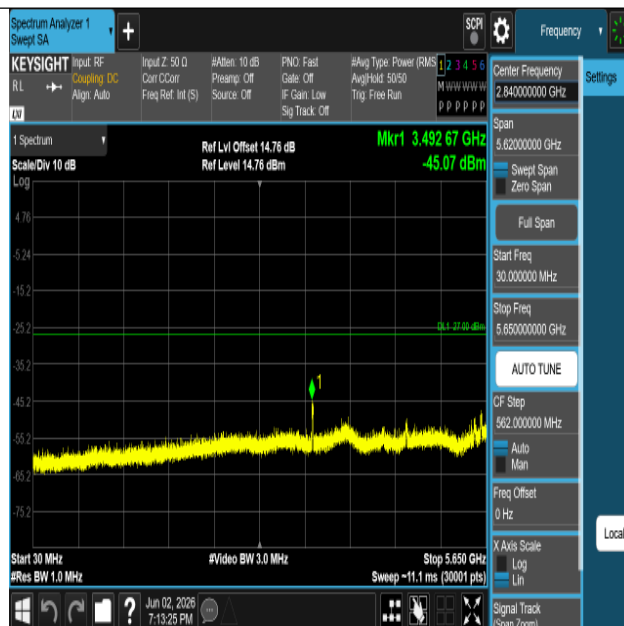
11AC20SISO-Ant1-5745-5925~40000-PASS



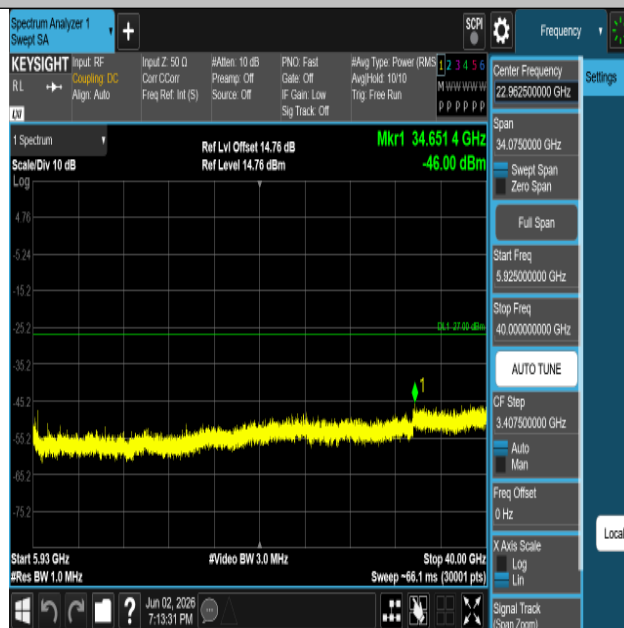
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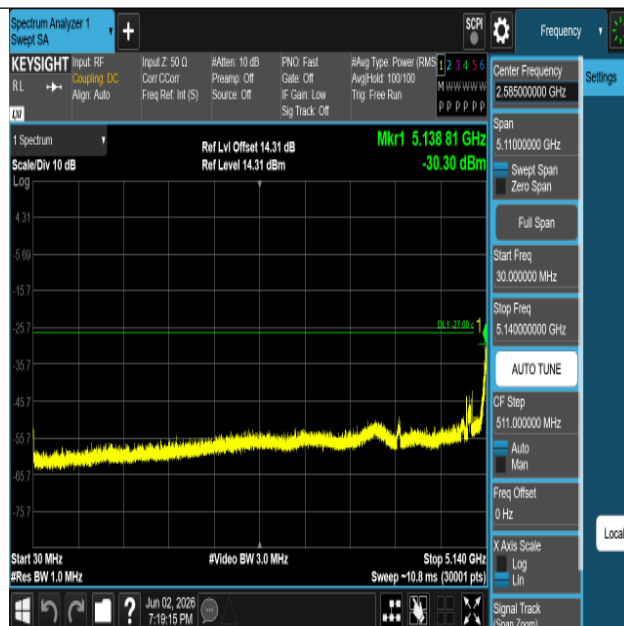
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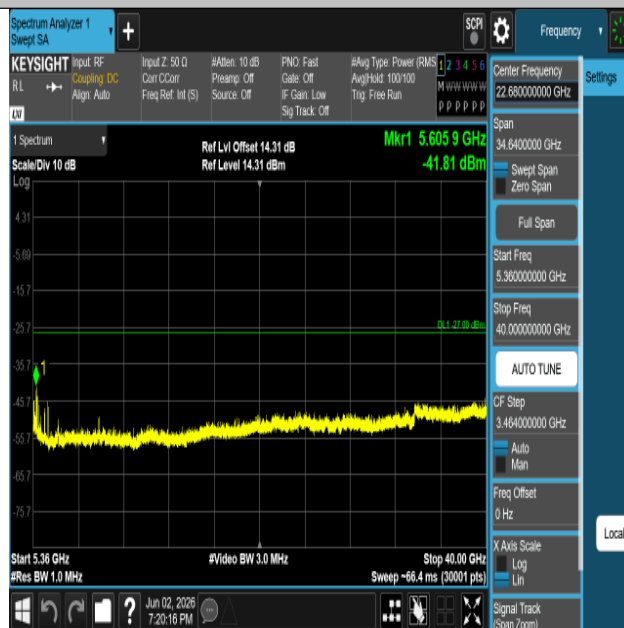
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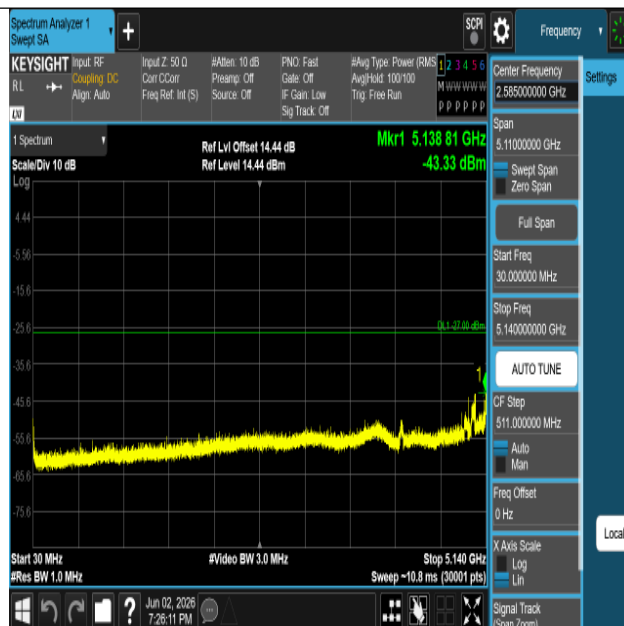
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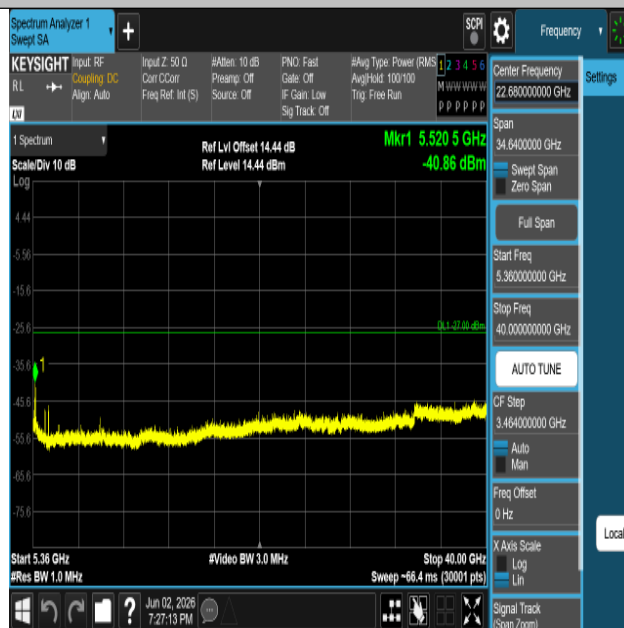
11AC40SISO-Ant1-5190-30~5140-PASS



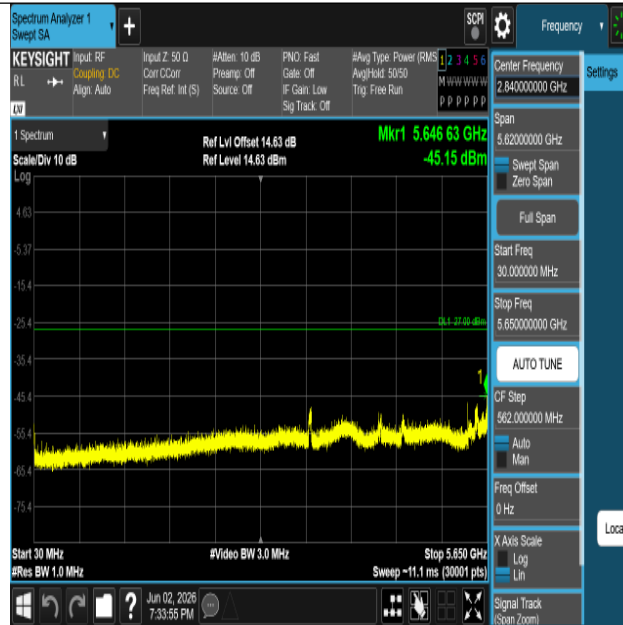
11AC40SISO-Ant1-5190-5360~40000-PASS



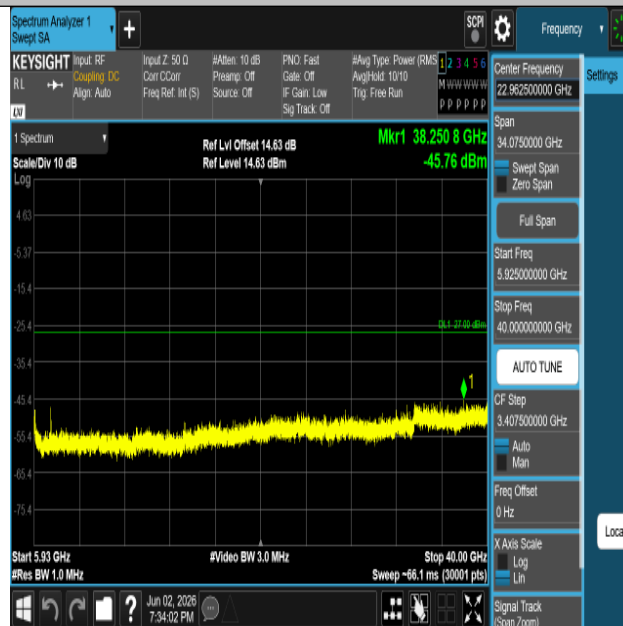
11AC40SISO-Ant1-5230-30~5140-PASS



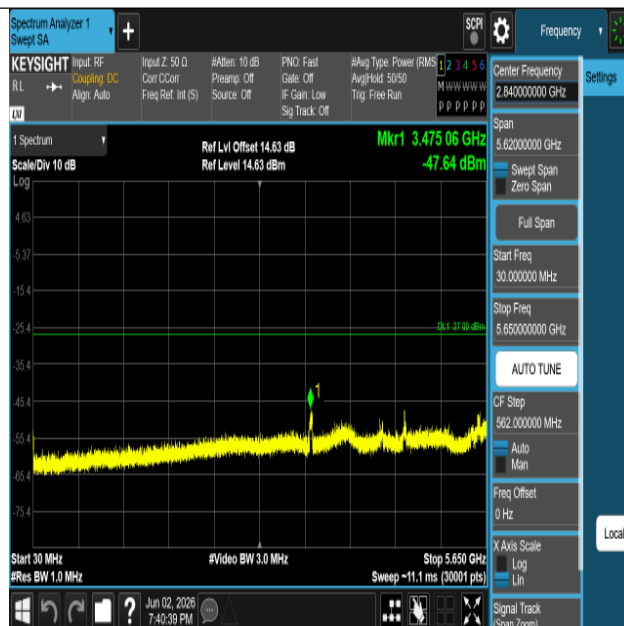
11AC40SISO-Ant1-5230-5360~40000-PASS



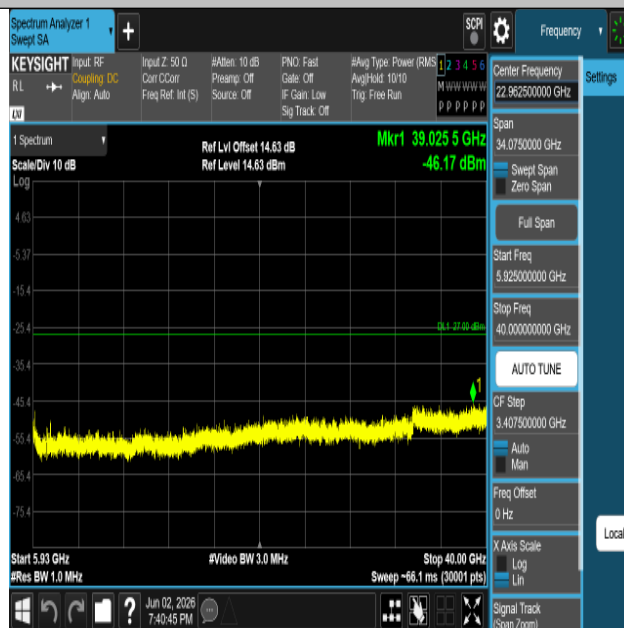
11AC40SISO-Ant1-5755-30~5650-PASS



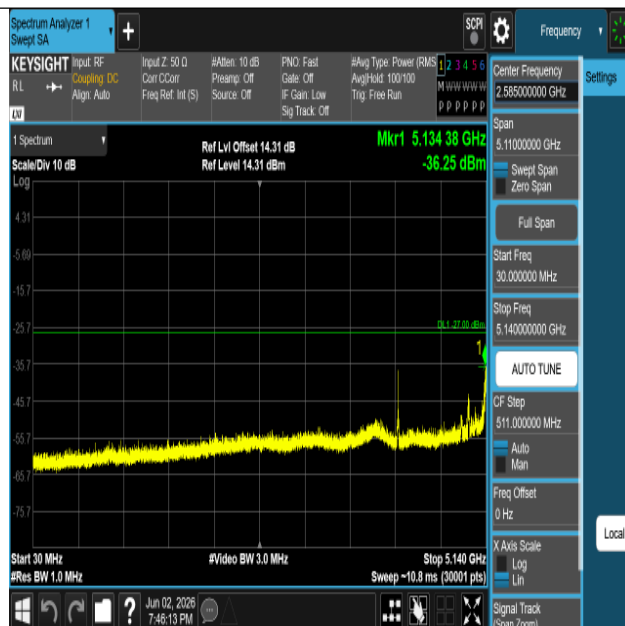
11AC40SISO-Ant1-5755-5925~40000-PASS



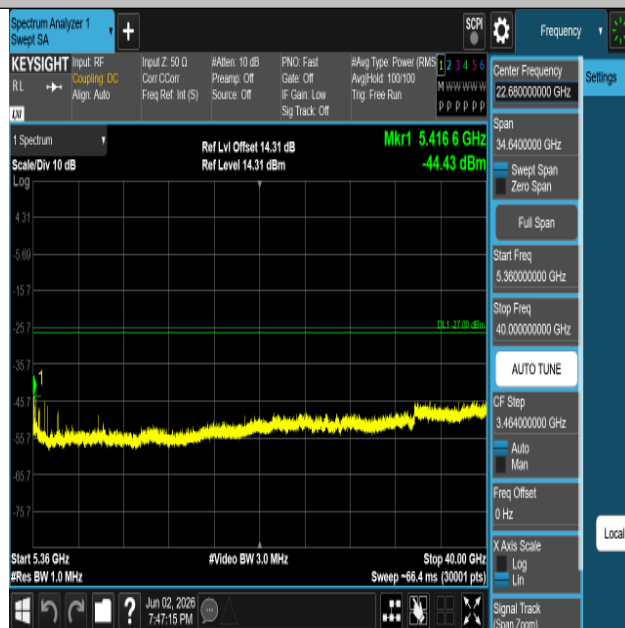
11AC40SISO-Ant1-5795-30~5650-PASS



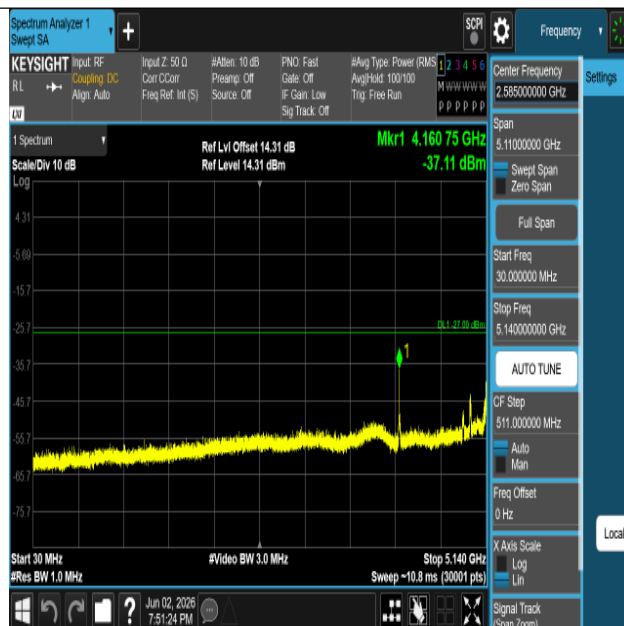
11AC40SISO-Ant1-5795-5925~40000-PASS



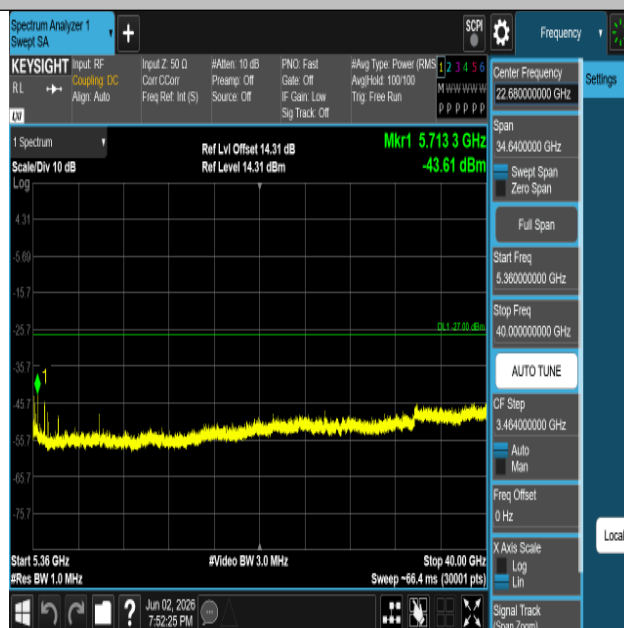
11AX20SISO-Ant1-5180-30~5140-PASS



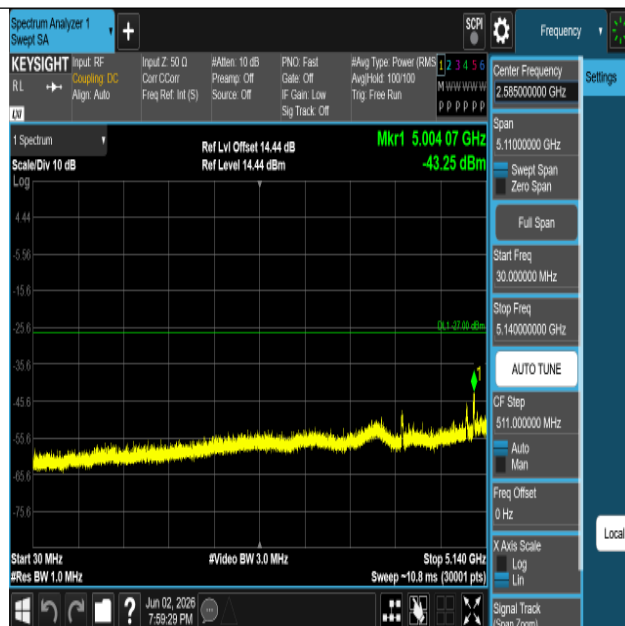
11AX20SISO-Ant1-5180-5360~40000-PASS



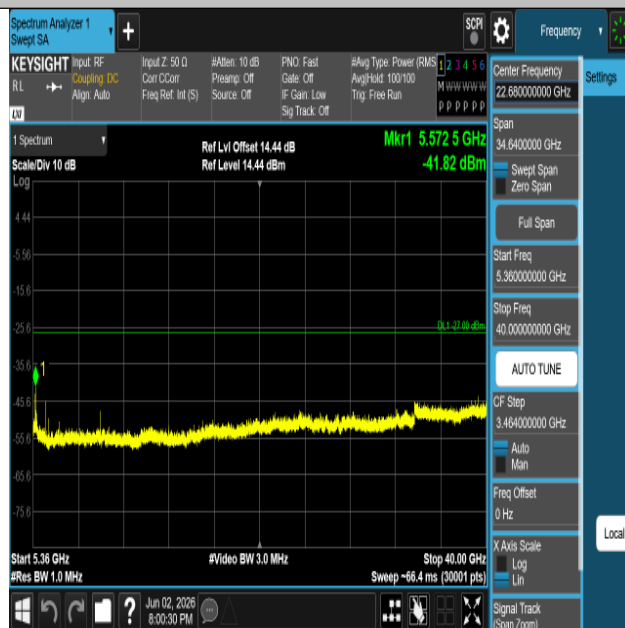
11AX20SISO-Ant1-5200-30~5140-PASS



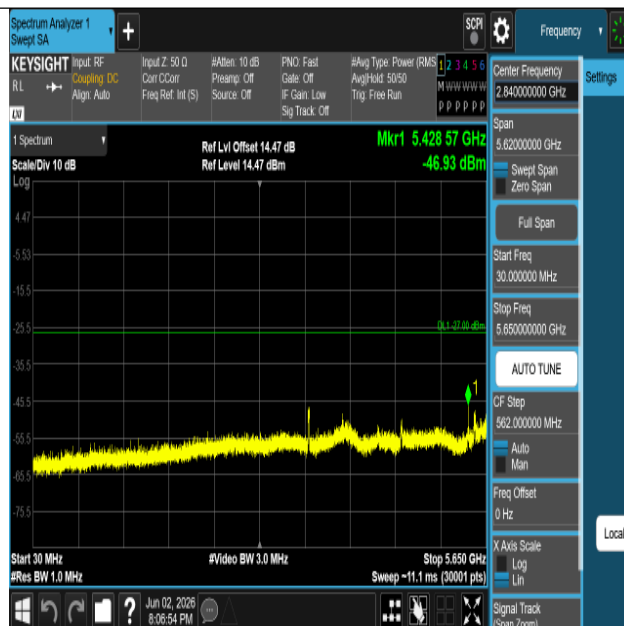
11AX20SISO-Ant1-5200-5360~40000-PASS



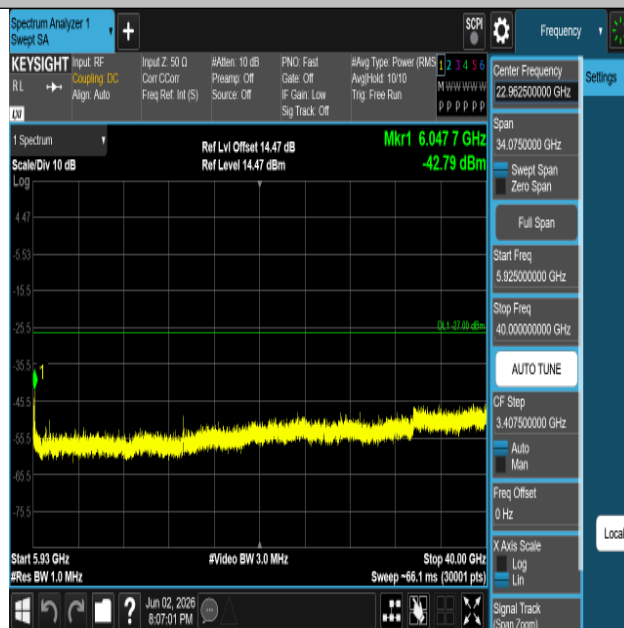
11AX20SISO-Ant1-5240-30~5140-PASS



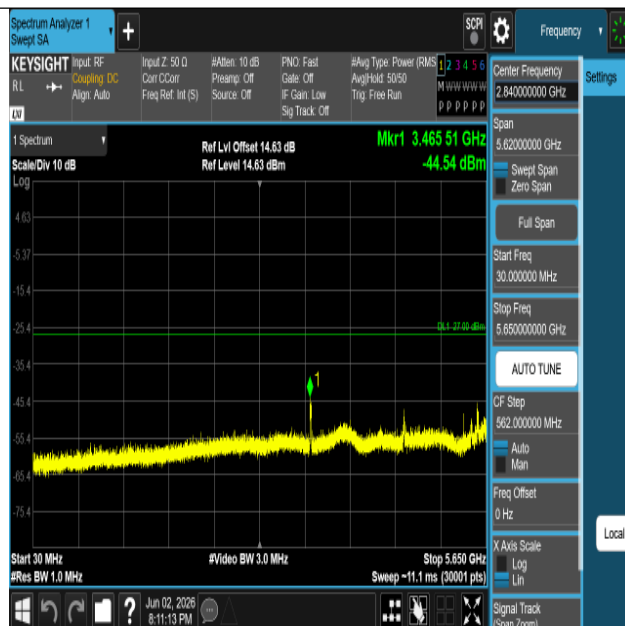
11AX20SISO-Ant1-5240-5360~40000-PASS



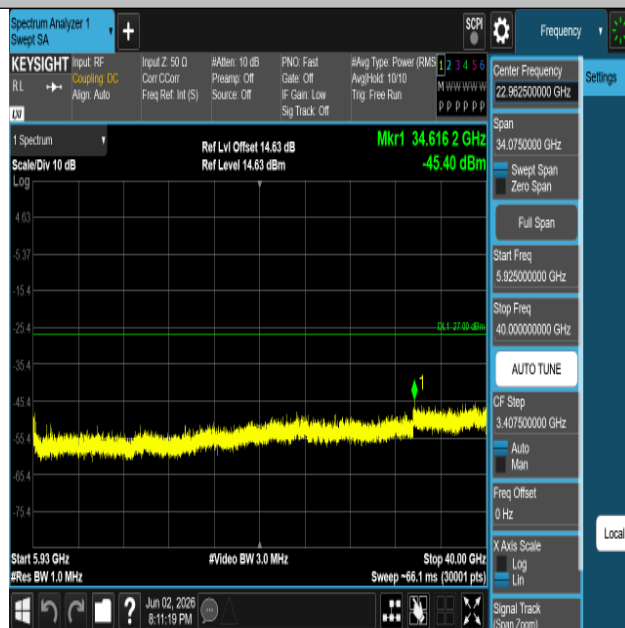
11AX20SISO-Ant1-5745-30~5650-PASS



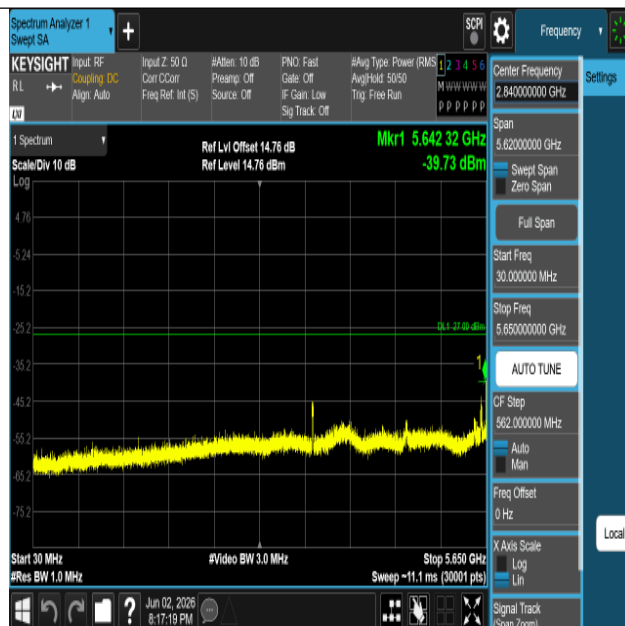
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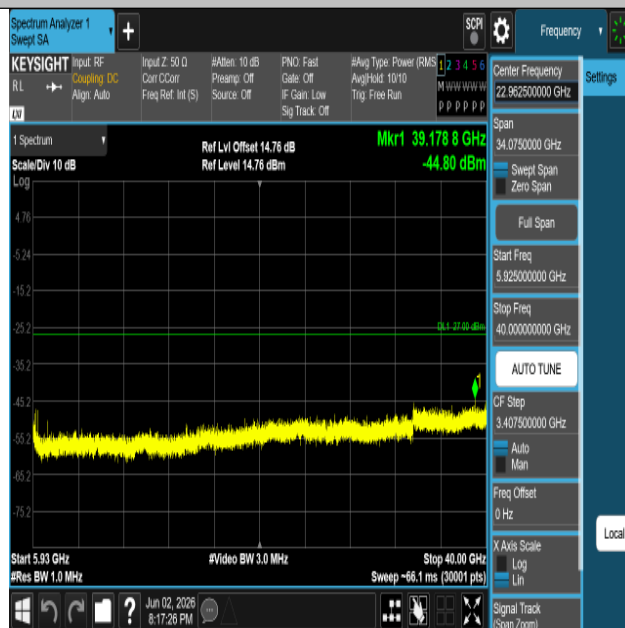
11AX20SISO-Ant1-5785-30~5650-PASS



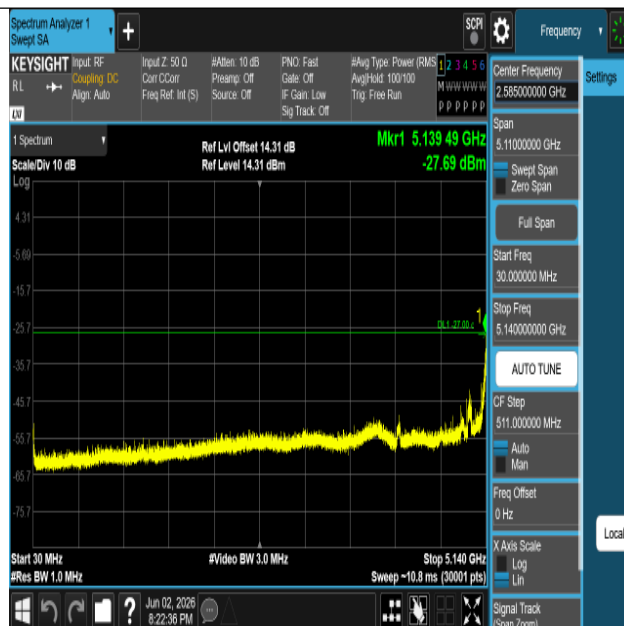
11AX20SISO-Ant1-5785-5925~40000-PASS



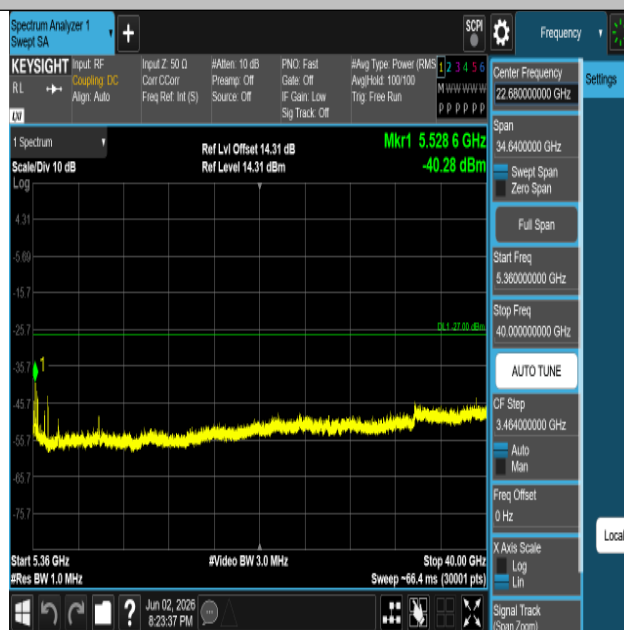
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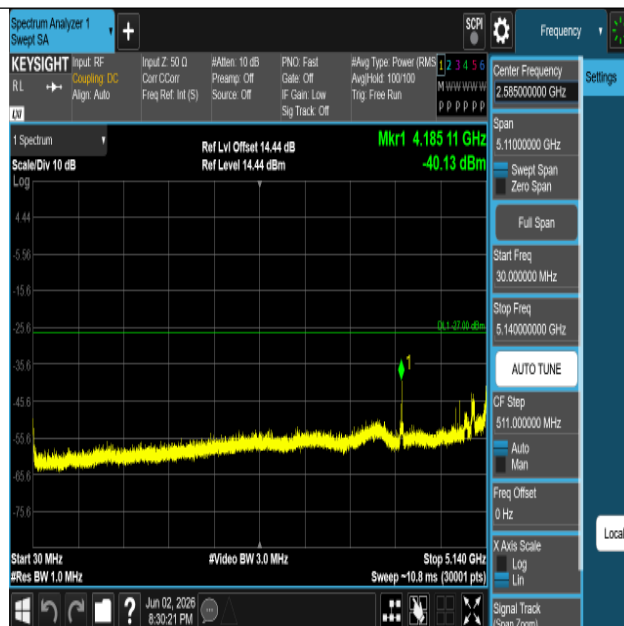
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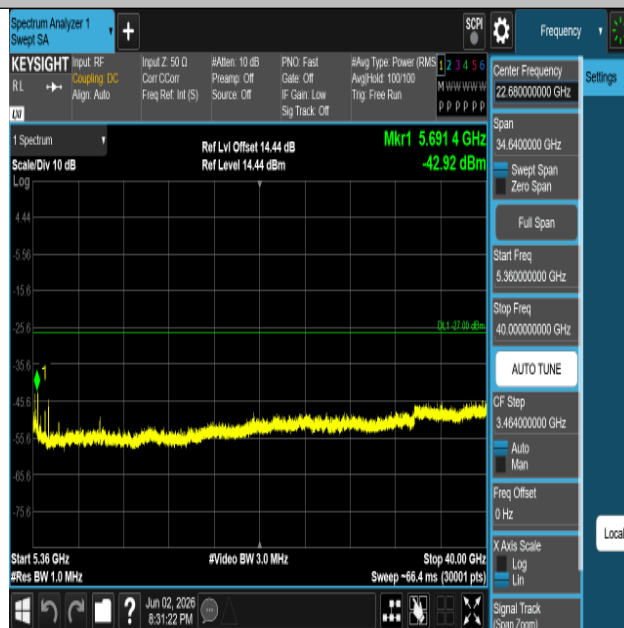
11AX40SISO-Ant1-5190-30~5140-PASS



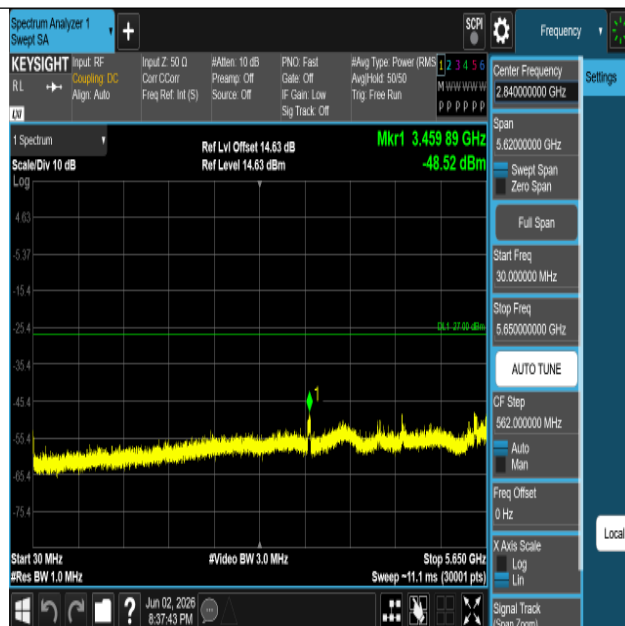
11AX40SISO-Ant1-5190-5360~40000-PASS



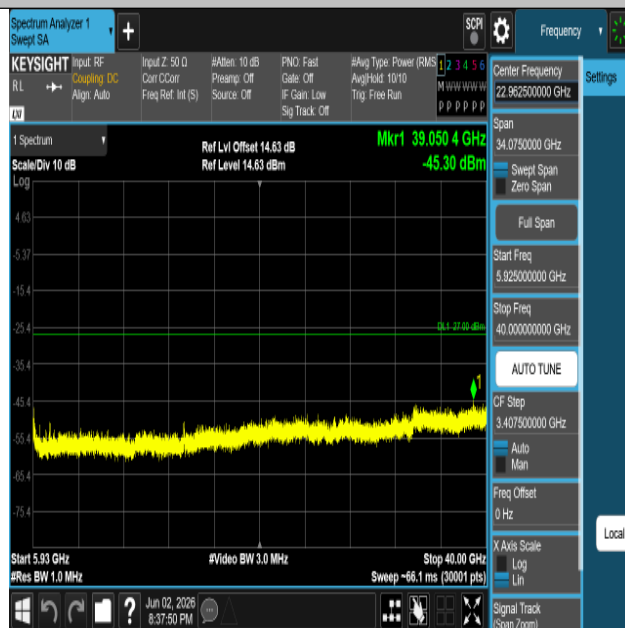
11AX40SISO-Ant1-5230-30~5140-PASS



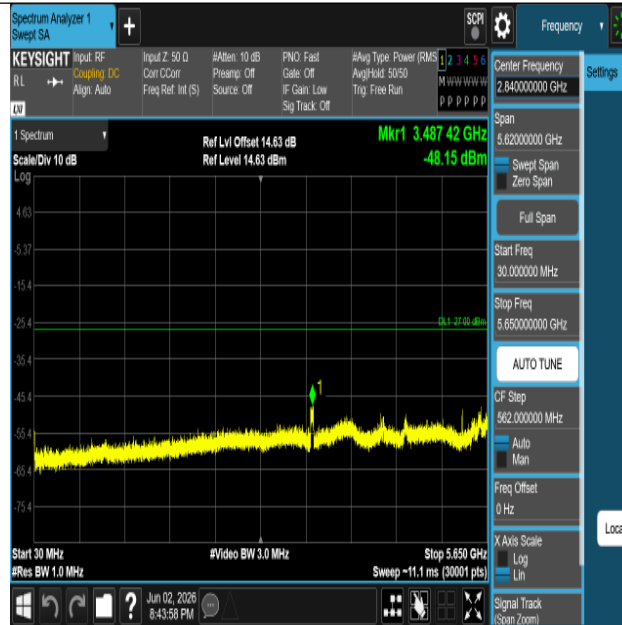
11AX40SISO-Ant1-5230-5360~40000-PASS



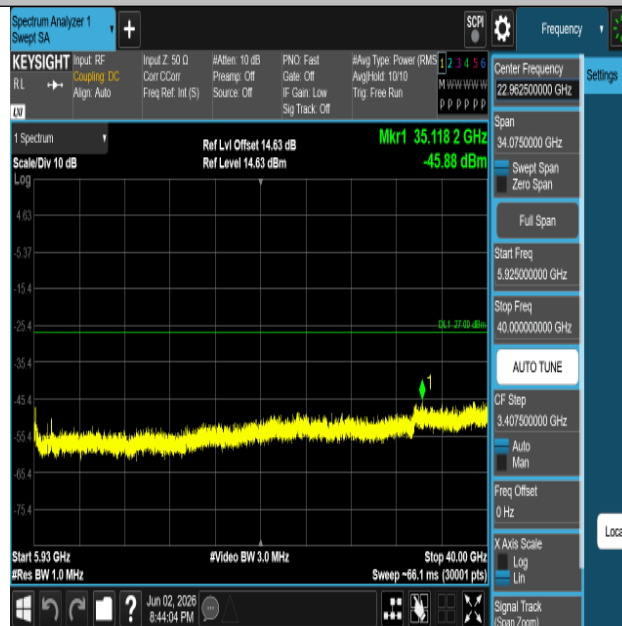
11AX40SISO-Ant1-5755-30~5650-PASS



11AX40SISO-Ant1-5755-5925~40000-PASS



11AX40SISO-Ant1-5795-30~5650-PASS



11AX40SISO-Ant1-5795-5925~40000-PASS



6.6 Band edge measurements

Test Result:

B1:

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-29.83	≤ -27	PASS
11A	Ant1	High	5240	-34.8	≤ -27	PASS
11N20SISO	Ant1	Low	5180	-32.51	≤ -27	PASS
11N20SISO	Ant1	High	5240	-35.53	≤ -27	PASS
11N40SISO	Ant1	Low	5190	-35.03	≤ -27	PASS
11N40SISO	Ant1	High	5230	-34.46	≤ -27	PASS
11AC20SISO	Ant1	Low	5180	-33.83	≤ -27	PASS
11AC20SISO	Ant1	High	5240	-36.09	≤ -27	PASS
11AC40SISO	Ant1	Low	5190	-35.01	≤ -27	PASS
11AC40SISO	Ant1	High	5230	-36.02	≤ -27	PASS
11AX20SISO	Ant1	Low	5180	-33.44	≤ -27	PASS
11AX20SISO	Ant1	High	5240	-35.5	≤ -27	PASS
11AX40SISO	Ant1	Low	5190	-29.26	≤ -27	PASS
11AX40SISO	Ant1	High	5230	-35.83	≤ -27	PASS



B4

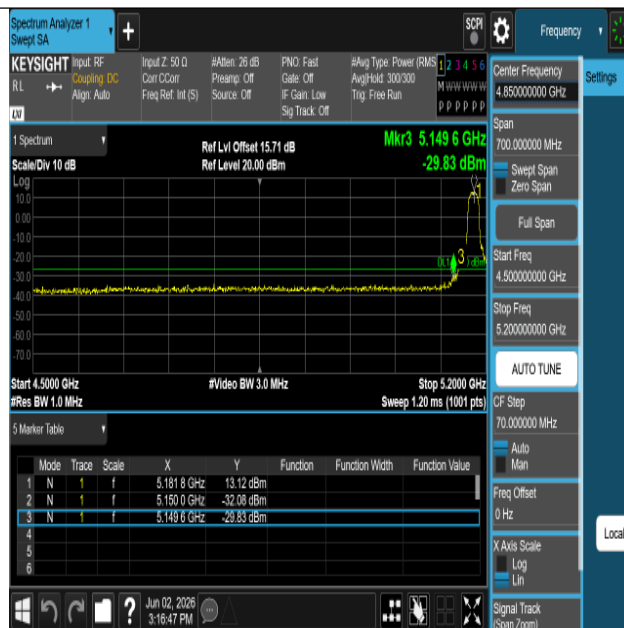
TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5720~5725	-17.14	≤17.91	PASS
11A	Ant1	Low	5745	5700~5720	-23.55	≤11.63	PASS
11A	Ant1	Low	5745	5650~5700	-36.19	≤-26.96	PASS
11A	Ant1	Low	5745	5645~5650	-33.83	≤-27	PASS
11A	Ant1	High	5825	5850~5855	-17.99	≤16.03	PASS
11A	Ant1	High	5825	5855~5875	-19.08	≤15.54	PASS
11A	Ant1	High	5825	5875~5925	-36.02	≤-26.41	PASS
11A	Ant1	High	5825	5925~5935	-36.11	≤-27	PASS
11N20SISO	Ant1	Low	5745	5720~5725	-19.86	≤17.13	PASS
11N20SISO	Ant1	Low	5745	5700~5720	-21.02	≤15.43	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-36.17	≤-26.70	PASS
11N20SISO	Ant1	Low	5745	5645~5650	-35.22	≤-27	PASS
11N20SISO	Ant1	High	5825	5850~5855	-15.42	≤17.26	PASS
11N20SISO	Ant1	High	5825	5855~5875	-14.83	≤15.58	PASS
11N20SISO	Ant1	High	5825	5875~5925	-36.66	≤-26.71	PASS
11N20SISO	Ant1	High	5825	5925~5935	-34.72	≤-27	PASS
11N40SISO	Ant1	Low	5755	5720~5725	-19.89	≤16.97	PASS
11N40SISO	Ant1	Low	5755	5700~5720	-19.61	≤12.78	PASS
11N40SISO	Ant1	Low	5755	5650~5700	-34.8	≤-25.51	PASS
11N40SISO	Ant1	Low	5755	5645~5650	-35.38	≤-27	PASS
11N40SISO	Ant1	High	5795	5850~5855	-21.7	≤16.03	PASS
11N40SISO	Ant1	High	5795	5855~5875	-23.1	≤15.10	PASS
11N40SISO	Ant1	High	5795	5875~5925	-35.43	≤-26.59	PASS
11N40SISO	Ant1	High	5795	5925~5935	-36.43	≤-27	PASS
11AC20SISO	Ant1	Low	5745	5720~5725	-15.14	≤18.96	PASS
11AC20SISO	Ant1	Low	5745	5700~5720	-19.13	≤15.56	PASS
11AC20SISO	Ant1	Low	5745	5650~5700	-36.33	≤-26.62	PASS
11AC20SISO	Ant1	Low	5745	5645~5650	-35.78	≤-27	PASS
11AC20SISO	Ant1	High	5825	5850~5855	-16.11	≤15.73	PASS
11AC20SISO	Ant1	High	5825	5855~5875	-16.34	≤14.25	PASS
11AC20SISO	Ant1	High	5825	5875~5925	-35.92	≤-26.81	PASS
11AC20SISO	Ant1	High	5825	5925~5935	-35.7	≤-27	PASS
11AC40SISO	Ant1	Low	5755	5720~5725	-20.67	≤16.04	PASS
11AC40SISO	Ant1	Low	5755	5700~5720	-22.78	≤10.85	PASS
11AC40SISO	Ant1	Low	5755	5650~5700	-36.55	≤-26.70	PASS
11AC40SISO	Ant1	Low	5755	5645~5650	-35.07	≤-27	PASS
11AC40SISO	Ant1	High	5795	5850~5855	-23.75	≤16.79	PASS
11AC40SISO	Ant1	High	5795	5855~5875	-25.3	≤13.62	PASS
11AC40SISO	Ant1	High	5795	5875~5925	-36.88	≤-26.22	PASS



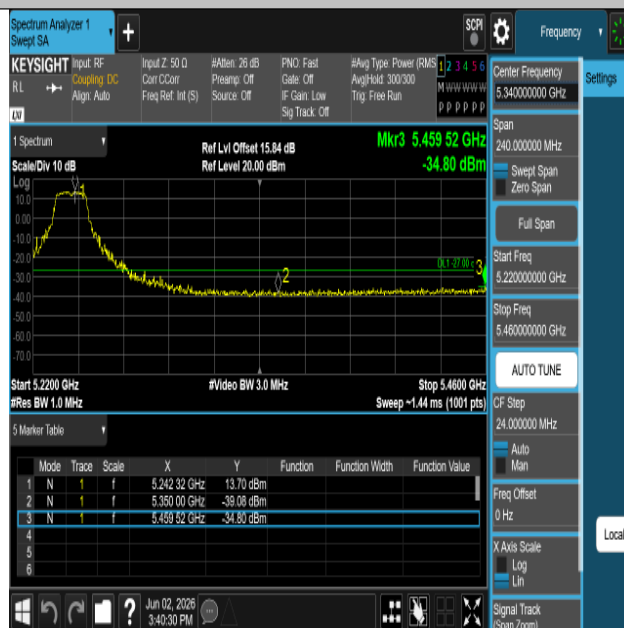
O							
11AC40SIS O	Ant1	High	5795	5925~5935	-36.39	≤-27	PASS
11AX20SIS O	Ant1	Low	5745	5720~5725	-18.54	≤17.13	PASS
11AX20SIS O	Ant1	Low	5745	5700~5720	-17.84	≤14.21	PASS
11AX20SIS O	Ant1	Low	5745	5650~5700	-35.81	≤-26.27	PASS
11AX20SIS O	Ant1	Low	5745	5645~5650	-35.71	≤-27	PASS
11AX20SIS O	Ant1	High	5825	5850~5855	-18.52	≤16.34	PASS
11AX20SIS O	Ant1	High	5825	5855~5875	-14.99	≤14.41	PASS
11AX20SIS O	Ant1	High	5825	5875~5925	-37.12	≤-26.81	PASS
11AX20SIS O	Ant1	High	5825	5925~5935	-35.12	≤-27	PASS
11AX40SIS O	Ant1	Low	5755	5720~5725	-21.81	≤15.74	PASS
11AX40SIS O	Ant1	Low	5755	5700~5720	-20.41	≤12.93	PASS
11AX40SIS O	Ant1	Low	5755	5650~5700	-35.76	≤-26.90	PASS
11AX40SIS O	Ant1	Low	5755	5645~5650	-34.76	≤-27	PASS
11AX40SIS O	Ant1	High	5795	5850~5855	-25.76	≤17.54	PASS
11AX40SIS O	Ant1	High	5795	5855~5875	-26.1	≤12.70	PASS
11AX40SIS O	Ant1	High	5795	5875~5925	-37.46	≤-26.83	PASS
11AX40SIS O	Ant1	High	5795	5925~5935	-35.11	≤-27	PASS

Note: The Max. Level has been corrected by the cable loss and antenna gain.

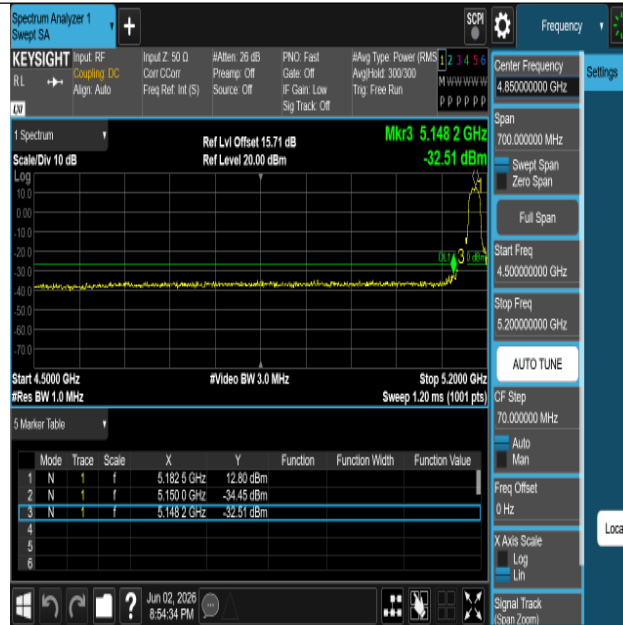
Test plots :



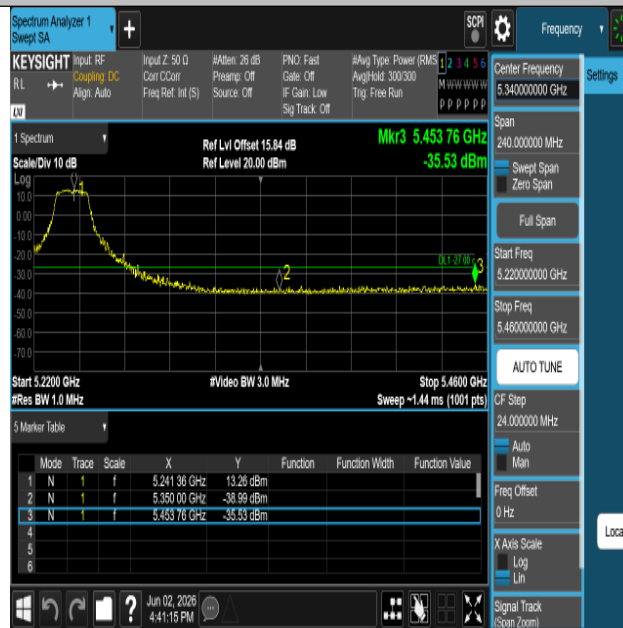
11A-Ant1-5180-PASS



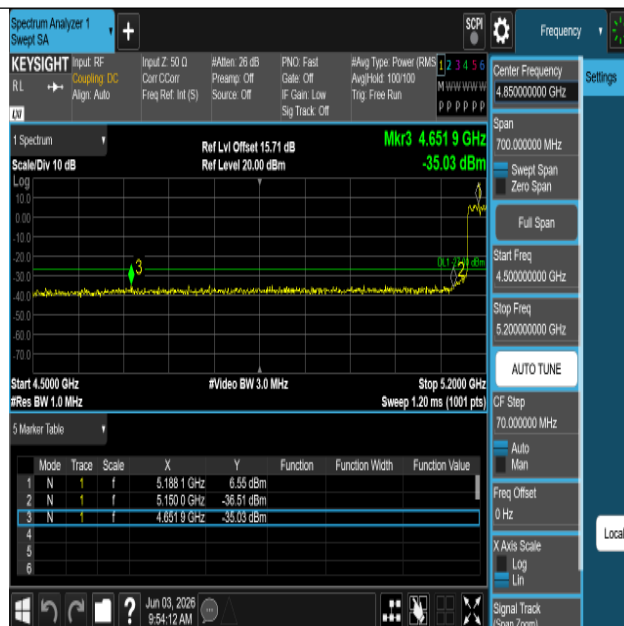
11A-Ant1-5240-PASS



11N20SISO-Ant1-5180-PASS



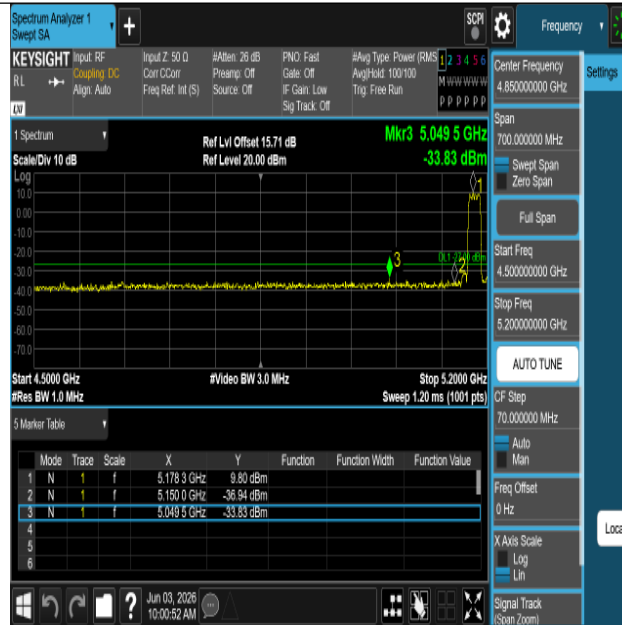
11N20SISO-Ant1-5240-PASS



11N40ISO-Ant1-5190-PASS



11N40ISO-Ant1-5230-PASS



11AC20SISO-Ant1-5180-PASS



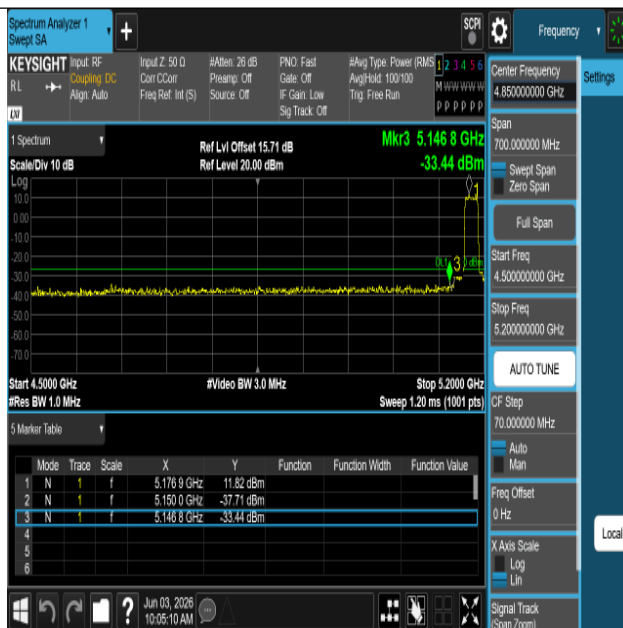
11AC20SISO-Ant1-5240-PASS



11AC40SISO-Ant1-5190-PASS



11AC40SISO-Ant1-5230-PASS



11AX20SISO-Ant1-5180-PASS



11AX20SISO-Ant1-5240-PASS



11AX40SISO-Ant1-5190-PASS



11AX40SISO-Ant1-5230-PASS



11A-Ant1-5745-PASS



11A-Ant1-5825-PASS



11N20SISO-Ant1-5745-PASS



11N20SISO-Ant1-5825-PASS