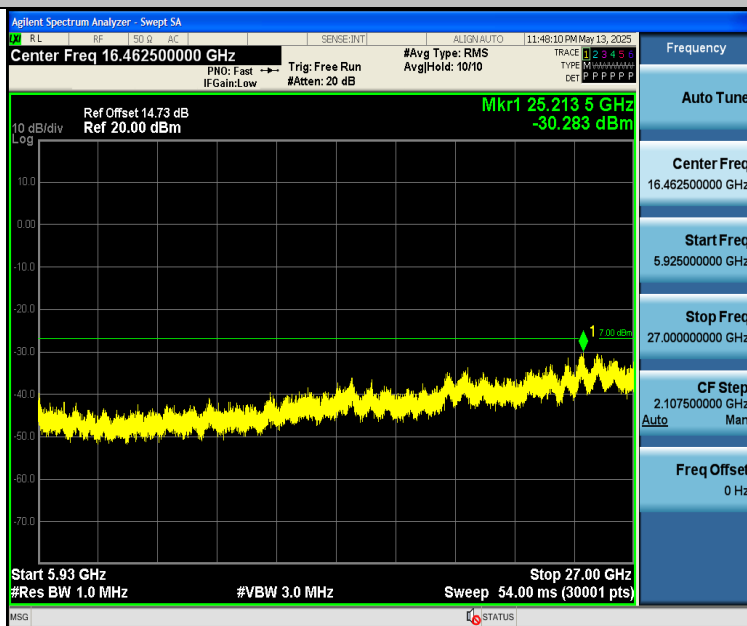




Report No.: PTC24102821301E-FC04



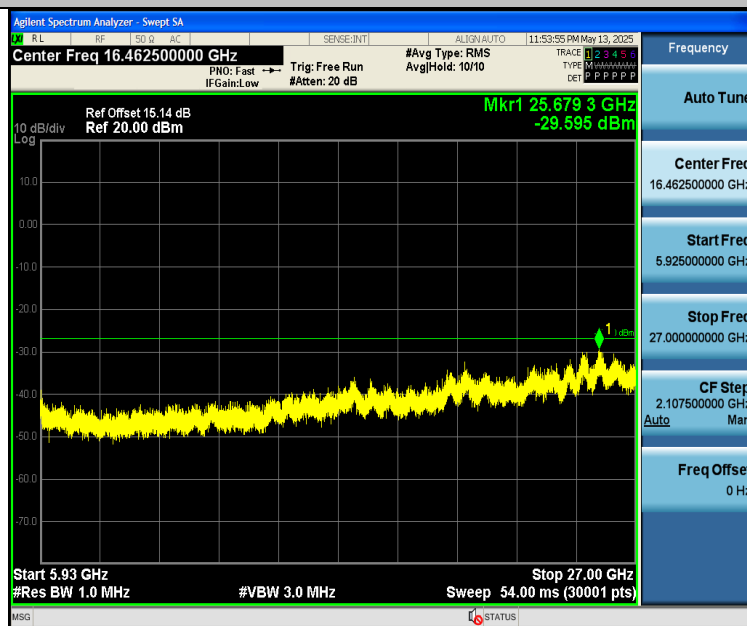
11AC40SISO-Ant2-5755-5925~27000-PASS



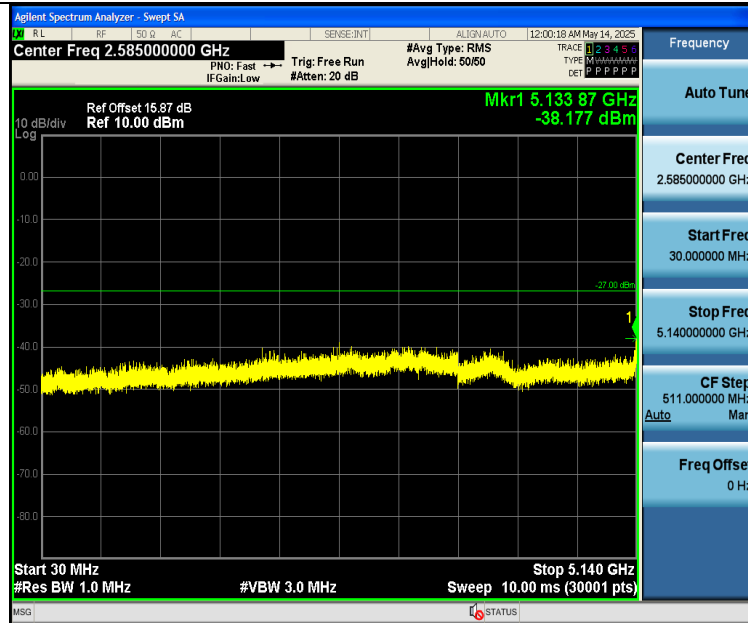
11AC40SISO-Ant2-5795-30~5650-PASS



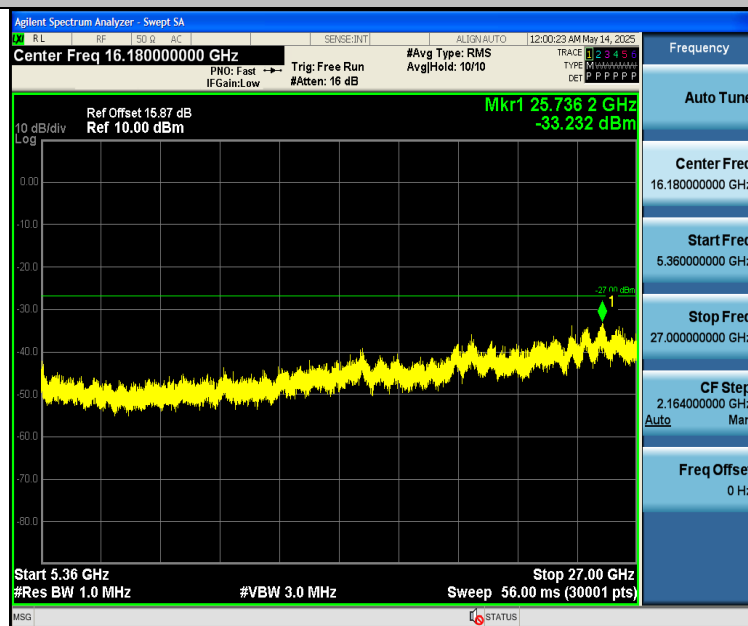
11AC40SISO-Ant2-5795-5925~27000-PASS



11AC80SISO-Ant2-5210-30~5140-PASS



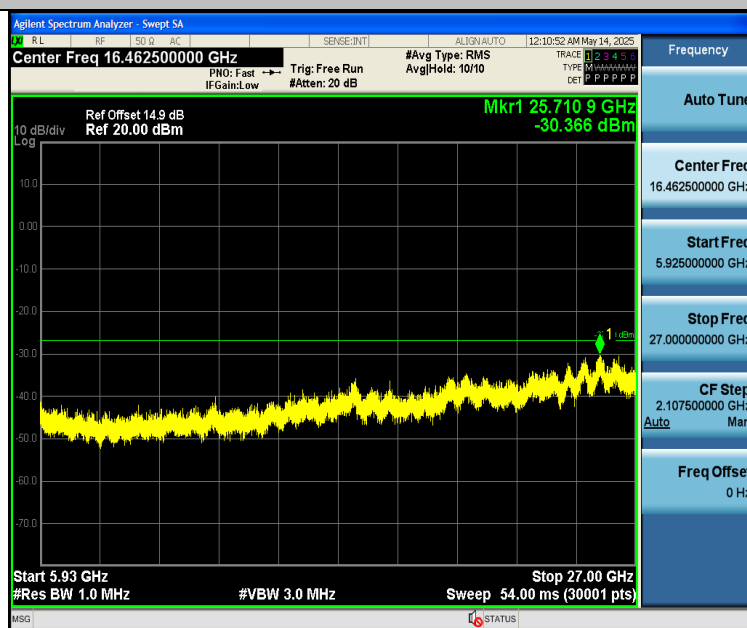
11AC80SISO-Ant2-5210-5360~27000-PASS



11AC80SISO-Ant2-5775-30~5650-PASS



11AC80SISO-Ant2-5775-5925~27000-PASS



Note: 27~40GHz at least have 20dB margin. No recording in the test report.



6.6 Band edge measurements

Test Result:

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-39.02	≤-27	PASS
11A	Ant1	High	5240	-38.6	≤-27	PASS
11N20SISO	Ant1	Low	5180	-39.02	≤-27	PASS
11N20SISO	Ant1	High	5240	-39.15	≤-27	PASS
11N40SISO	Ant1	Low	5190	-39.03	≤-27	PASS
11N40SISO	Ant1	High	5230	-39	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-38.27	≤-27	PASS
11AC20SISO	Ant1	High	5240	-39.06	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-38.75	≤-27	PASS
11AC40SISO	Ant1	High	5230	-38.72	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-38.38	≤-27	PASS
11AC80SISO	Ant1	High	5210	-39.43	≤-27	PASS
11A	Ant2	Low	5180	-39.38	≤-27	PASS
11A	Ant2	High	5240	-39.12	≤-27	PASS
11N20SISO	Ant2	Low	5180	-39.36	≤-27	PASS
11N20SISO	Ant2	High	5240	-39.18	≤-27	PASS
11N40SISO	Ant2	Low	5190	-37.67	≤-27	PASS
11N40SISO	Ant2	High	5230	-39.15	≤-27	PASS
11AC20SISO	Ant2	Low	5180	-39.09	≤-27	PASS
11AC20SISO	Ant2	High	5240	-38.86	≤-27	PASS
11AC40SISO	Ant2	Low	5190	-39.12	≤-27	PASS
11AC40SISO	Ant2	High	5230	-38.76	≤-27	PASS
11AC80SISO	Ant2	Low	5210	-38.37	≤-27	PASS
11AC80SISO	Ant2	High	5210	-38.67	≤-27	PASS

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5720~5725	-33.27	≤26.30	PASS
11A	Ant1	Low	5745	5700~5720	-36.01	≤15.59	PASS
11A	Ant1	Low	5745	5650~5700	-41.11	≤-20.49	PASS
11A	Ant1	Low	5745	5760~5650	-41.02	≤-27	PASS
11A	Ant1	High	5825	5850~5855	-39.2	≤17.33	PASS
11A	Ant1	High	5825	5855~5875	-39.36	≤10.59	PASS
11A	Ant1	High	5825	5875~5925	-39.72	≤-12.07	PASS
11A	Ant1	High	5825	5925~5935	-40.27	≤-27	PASS
11N20SISO	Ant1	Low	5745	5720~5725	-38.3	≤25.52	PASS
11N20SISO	Ant1	Low	5745	5700~5720	-39.72	≤15.43	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-41.15	≤-16.40	PASS
11N20SISO	Ant1	Low	5745	5760~5650	-42.21	≤-27	PASS
11N20SISO	Ant1	High	5825	5850~5855	-39.98	≤16.72	PASS
11N20SISO	Ant1	High	5825	5855~5875	-39.52	≤14.41	PASS
11N20SISO	Ant1	High	5825	5875~5925	-39.82	≤-17.76	PASS
11N20SISO	Ant1	High	5825	5925~5935	-40.53	≤-27	PASS
11N40SISO	Ant1	Low	5755	5720~5725	-35.68	≤25.59	PASS
11N40SISO	Ant1	Low	5755	5700~5720	-37.28	≤15.01	PASS
11N40SISO	Ant1	Low	5755	5650~5700	-41.12	≤7.36	PASS
11N40SISO	Ant1	Low	5755	5780~5650	-42.82	≤-27	PASS
11N40SISO	Ant1	High	5795	5850~5855	-40.44	≤16.79	PASS
11N40SISO	Ant1	High	5795	5855~5875	-39.39	≤10.69	PASS



11N40SISO	Ant1	High	5795	5875~5925	-39.41	≤-25.09	PASS
11N40SISO	Ant1	High	5795	5925~5935	-40.32	≤-27	PASS
11AC20SISO	Ant1	Low	5745	5720~5725	-36.76	≤26.30	PASS
11AC20SISO	Ant1	Low	5745	5700~5720	-40.89	≤14.53	PASS
11AC20SISO	Ant1	Low	5745	5650~5700	-41.65	≤5.13	PASS
11AC20SISO	Ant1	Low	5745	5760~5650	-42.88	≤-27	PASS
11AC20SISO	Ant1	High	5825	5850~5855	-39.77	≤21.33	PASS
11AC20SISO	Ant1	High	5825	5855~5875	-39.05	≤15.35	PASS
11AC20SISO	Ant1	High	5825	5875~5925	-38.79	≤0.92	PASS
11AC20SISO	Ant1	High	5825	5925~5935	-40.08	≤-27	PASS
11AC40SISO	Ant1	Low	5755	5720~5725	-35.31	≤23.43	PASS
11AC40SISO	Ant1	Low	5755	5700~5720	-34.71	≤15.16	PASS
11AC40SISO	Ant1	Low	5755	5650~5700	-41.38	≤-2.53	PASS
11AC40SISO	Ant1	Low	5755	5780~5650	-42.37	≤-27	PASS
11AC40SISO	Ant1	High	5795	5850~5855	-40.4	≤19.80	PASS
11AC40SISO	Ant1	High	5795	5855~5875	-39.09	≤15.58	PASS
11AC40SISO	Ant1	High	5795	5875~5925	-39.92	≤-23.38	PASS
11AC40SISO	Ant1	High	5795	5925~5935	-40.44	≤-27	PASS
11AC80SISO	Ant1	Low	5775	5720~5725	-40.49	≤18.47	PASS
11AC80SISO	Ant1	Low	5775	5700~5720	-40.84	≤15.17	PASS
11AC80SISO	Ant1	Low	5775	5650~5700	-40.45	≤5.77	PASS
11AC80SISO	Ant1	Low	5775	5800~5650	-42.91	≤-27	PASS
11AC80SISO	Ant1	High	5775	5850~5855	-40.18	≤26.76	PASS
11AC80SISO	Ant1	High	5775	5855~5875	-39.88	≤11.11	PASS
11AC80SISO	Ant1	High	5775	5875~5925	-39.75	≤-14.63	PASS
11AC80SISO	Ant1	High	5775	5925~5935	-40.35	≤-27	PASS
11A	Ant2	Low	5745	5720~5725	-36.55	≤26.30	PASS
11A	Ant2	Low	5745	5700~5720	-40.54	≤15.40	PASS
11A	Ant2	Low	5745	5650~5700	-41.66	≤9.04	PASS
11A	Ant2	Low	5745	5760~5650	-43.13	≤-27	PASS
11A	Ant2	High	5825	5850~5855	-38.85	≤18.26	PASS
11A	Ant2	High	5825	5855~5875	-39.84	≤13.39	PASS
11A	Ant2	High	5825	5875~5925	-39.72	≤-10.77	PASS
11A	Ant2	High	5825	5925~5935	-40.59	≤-27	PASS
11N20SISO	Ant2	Low	5745	5720~5725	-34.58	≤25.52	PASS
11N20SISO	Ant2	Low	5745	5700~5720	-37.08	≤15.50	PASS
11N20SISO	Ant2	Low	5745	5650~5700	-41.35	≤1.98	PASS
11N20SISO	Ant2	Low	5745	5760~5650	-41.68	≤-27	PASS
11N20SISO	Ant2	High	5825	5850~5855	-36.91	≤16.41	PASS
11N20SISO	Ant2	High	5825	5855~5875	-39.14	≤10.02	PASS
11N20SISO	Ant2	High	5825	5875~5925	-39.24	≤9.11	PASS
11N20SISO	Ant2	High	5825	5925~5935	-40.17	≤-27	PASS
11N40SISO	Ant2	Low	5755	5720~5725	-32.89	≤24.05	PASS
11N40SISO	Ant2	Low	5755	5700~5720	-34.24	≤15.24	PASS
11N40SISO	Ant2	Low	5755	5650~5700	-41.41	≤0.47	PASS
11N40SISO	Ant2	Low	5755	5780~5650	-42.6	≤-27	PASS
11N40SISO	Ant2	High	5795	5850~5855	-38.77	≤16.03	PASS
11N40SISO	Ant2	High	5795	5855~5875	-39.65	≤13.04	PASS
11N40SISO	Ant2	High	5795	5875~5925	-39.07	≤-16.79	PASS
11N40SISO	Ant2	High	5795	5925~5935	-40.06	≤-27	PASS
11AC20SISO	Ant2	Low	5745	5720~5725	-36.47	≤26.83	PASS
11AC20SISO	Ant2	Low	5745	5700~5720	-40.32	≤15.50	PASS
11AC20SISO	Ant2	Low	5745	5650~5700	-42.09	≤-15.38	PASS
11AC20SISO	Ant2	Low	5745	5760~5650	-42.83	≤-27	PASS
11AC20SISO	Ant2	High	5825	5850~5855	-39.82	≤16.10	PASS
11AC20SISO	Ant2	High	5825	5855~5875	-39.2	≤10.29	PASS

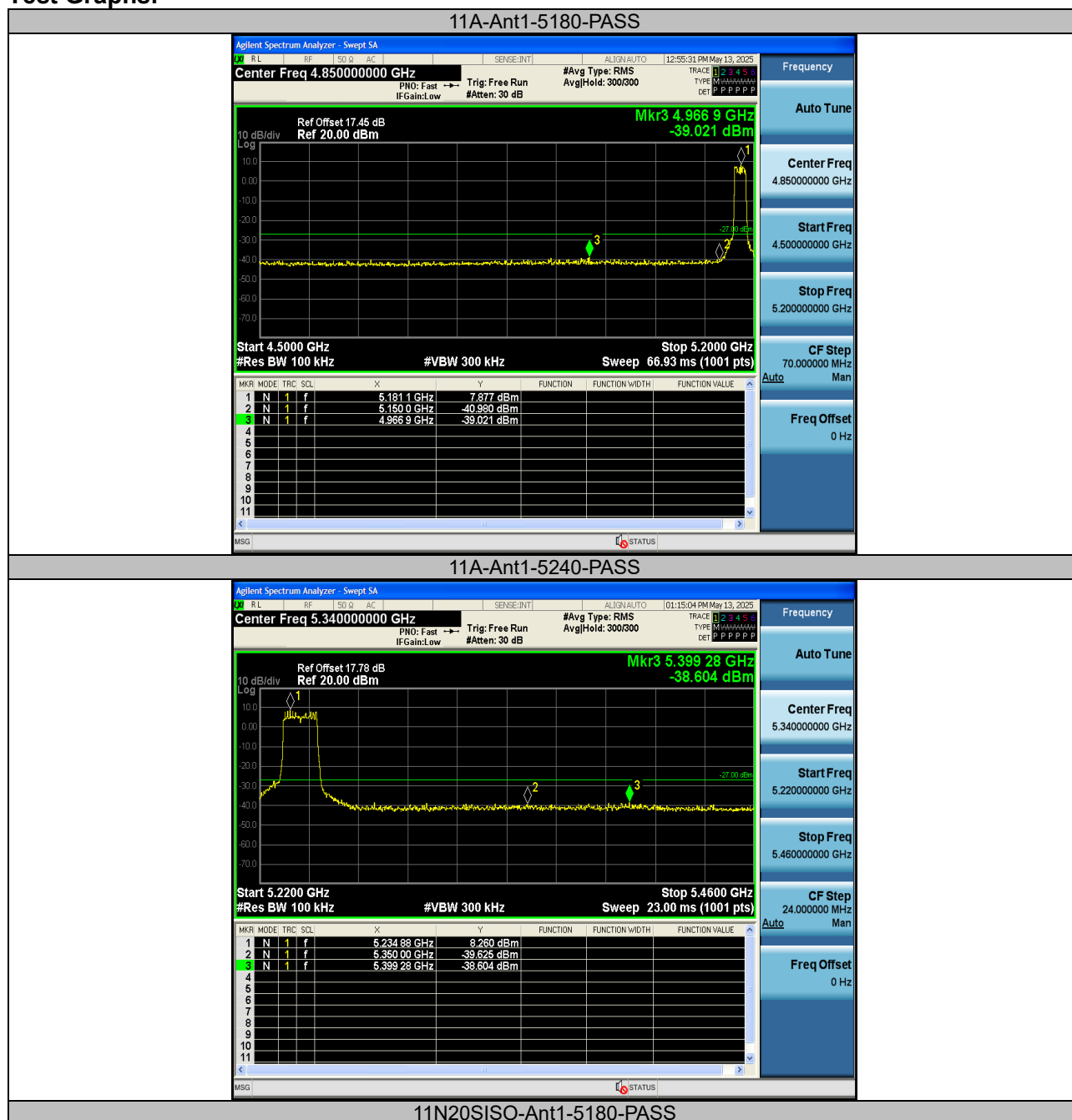


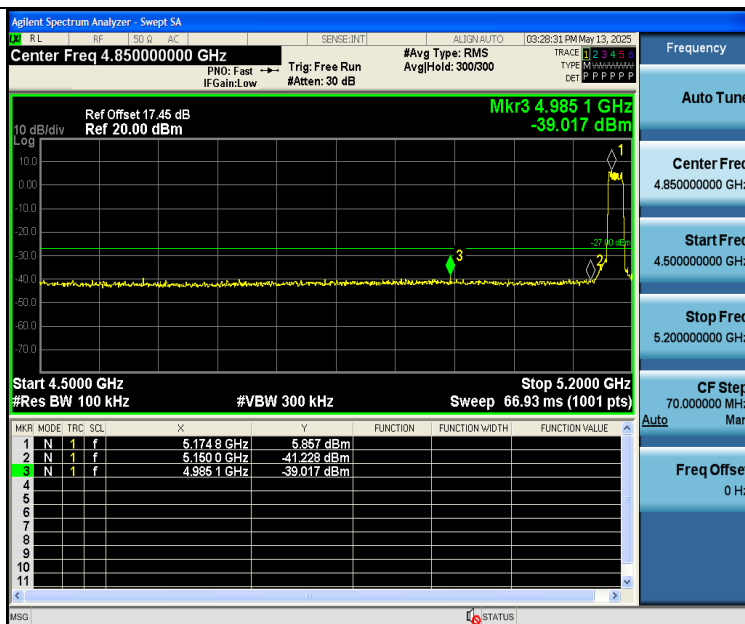
11AC20SISO	Ant2	High	5825	5875~5925	-40.11	≤ -25.96	PASS
11AC20SISO	Ant2	High	5825	5925~5935	-39.93	≤ -27	PASS
11AC40SISO	Ant2	Low	5755	5720~5725	-34.58	≤ 18.51	PASS
11AC40SISO	Ant2	Low	5755	5700~5720	-35.2	≤ 15.16	PASS
11AC40SISO	Ant2	Low	5755	5650~5700	-40.62	≤ 2.57	PASS
11AC40SISO	Ant2	Low	5755	5780~5650	-42.87	≤ -27	PASS
11AC40SISO	Ant2	High	5795	5850~5855	-39.07	≤ 21.30	PASS
11AC40SISO	Ant2	High	5795	5855~5875	-39.64	≤ 14.20	PASS
11AC40SISO	Ant2	High	5795	5875~5925	-39.78	≤ -9.83	PASS
11AC40SISO	Ant2	High	5795	5925~5935	-39.84	≤ -27	PASS
11AC80SISO	Ant2	Low	5775	5720~5725	-37.5	≤ 18.47	PASS
11AC80SISO	Ant2	Low	5775	5700~5720	-38.82	≤ 15.26	PASS
11AC80SISO	Ant2	Low	5775	5650~5700	-41.04	≤ 1.30	PASS
11AC80SISO	Ant2	Low	5775	5800~5650	-42.46	≤ -27	PASS
11AC80SISO	Ant2	High	5775	5850~5855	-40.04	≤ 22.96	PASS
11AC80SISO	Ant2	High	5775	5855~5875	-40.02	≤ 11.68	PASS
11AC80SISO	Ant2	High	5775	5875~5925	-39.5	≤ 3.30	PASS
11AC80SISO	Ant2	High	5775	5925~5935	-38.71	≤ -27	PASS

Note: 1. The Max. Level has been corrected by the cable loss and antenna gain.

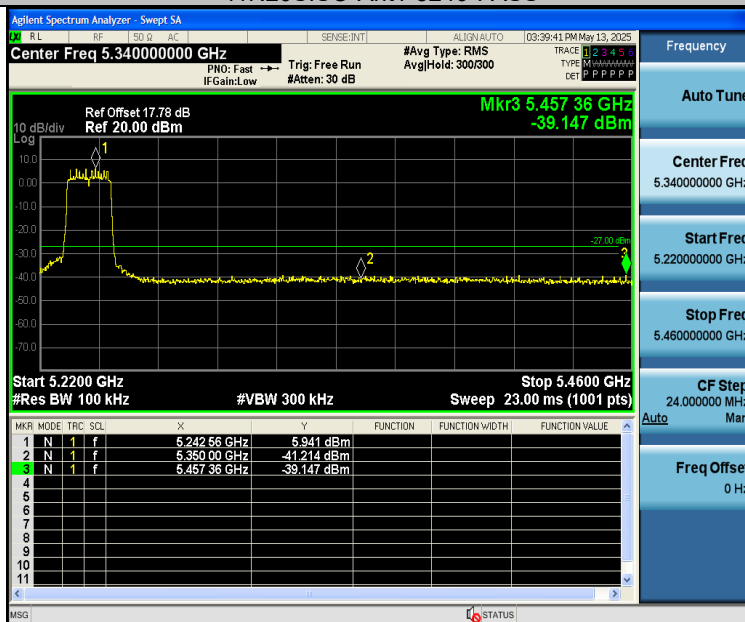


Test Graphs:

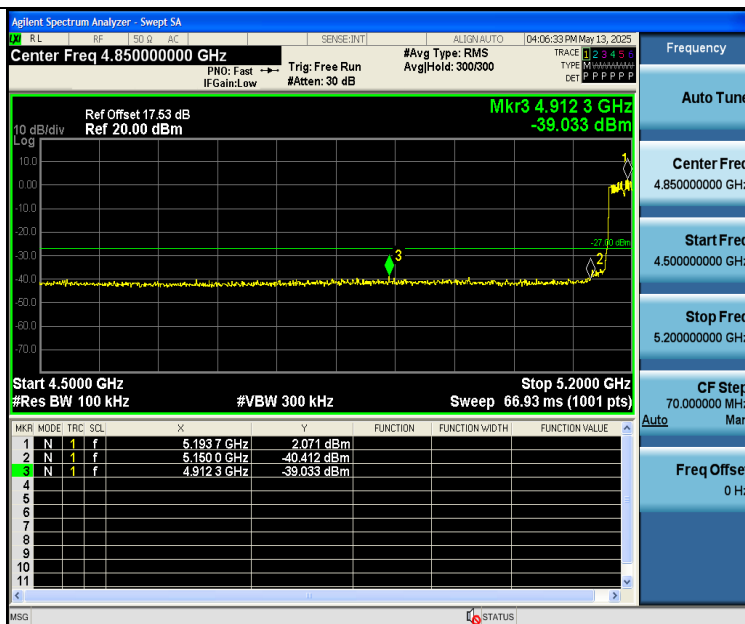




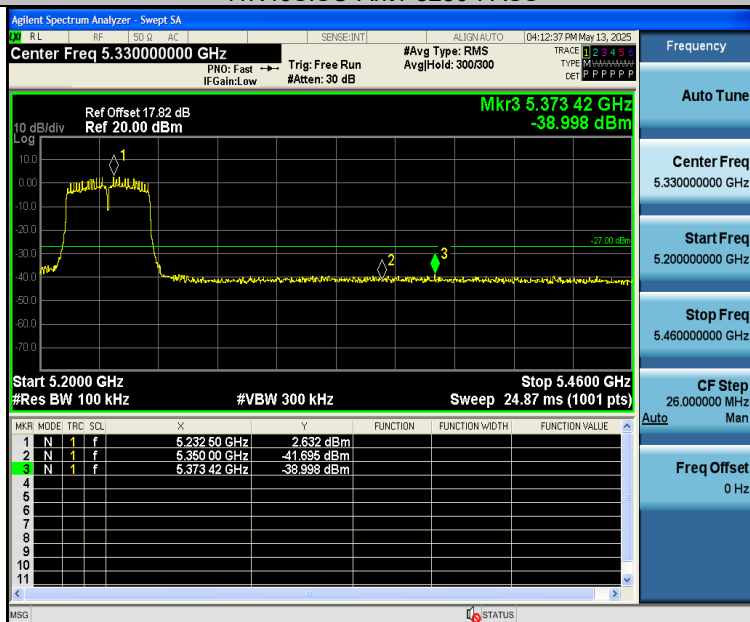
11N20SISO-Ant1-5240-PASS



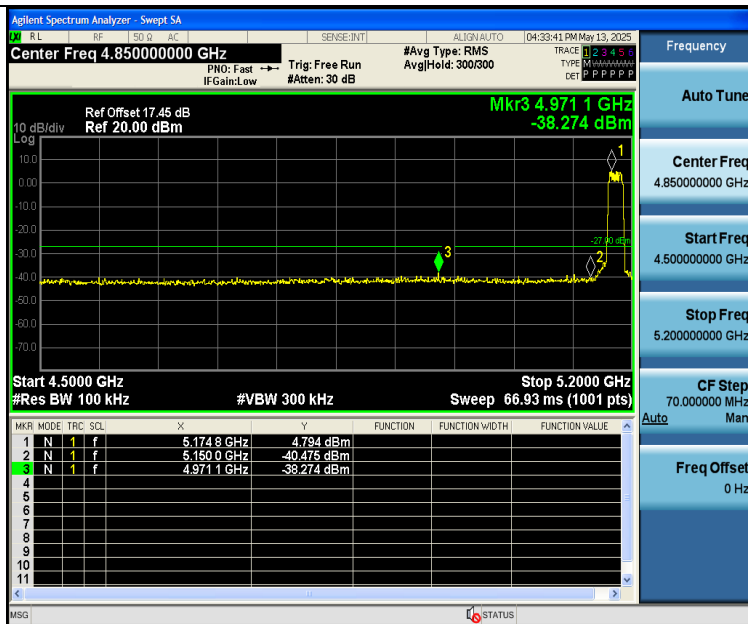
11N40SISO-Ant1-5190-PASS



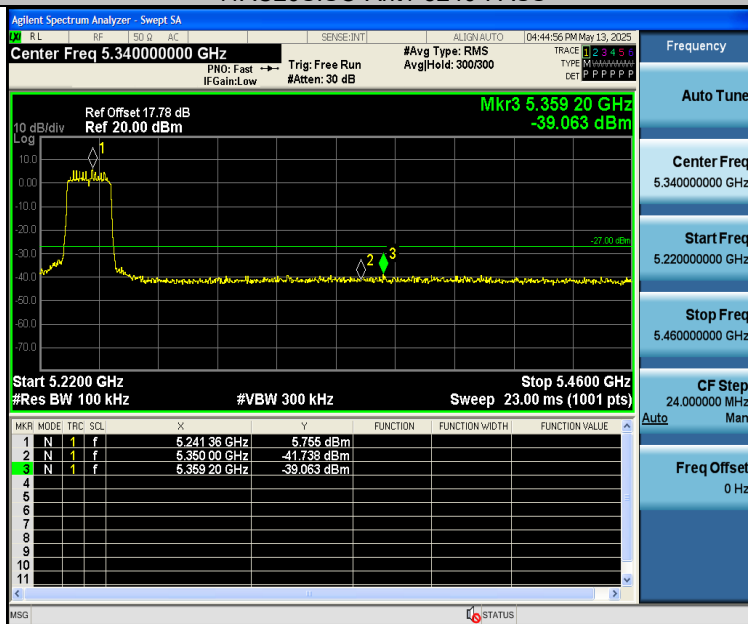
11N40SISO-Ant1-5230-PASS



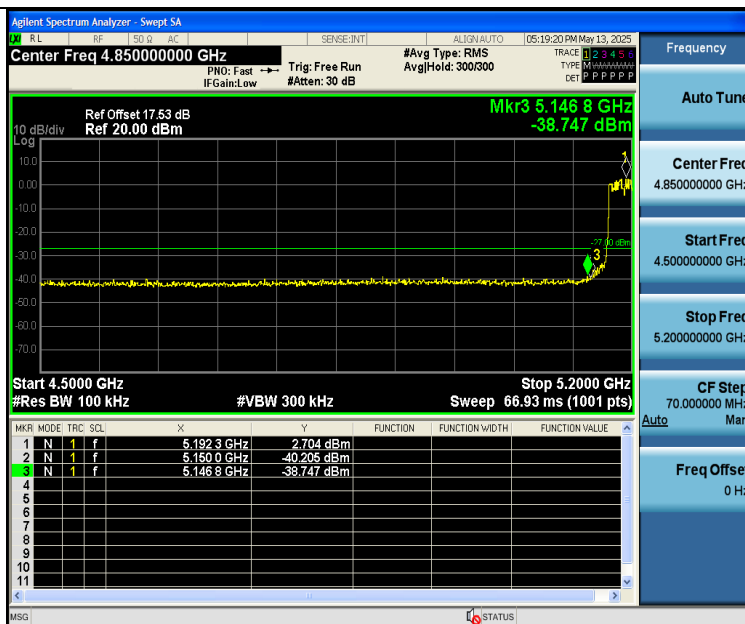
11AC20SISO-Ant1-5180-PASS



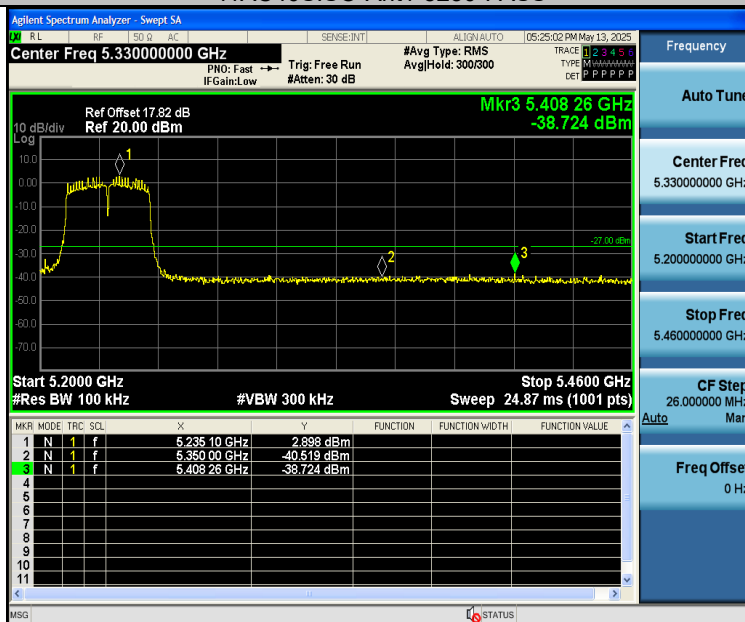
11AC20SISO-Ant1-5240-PASS



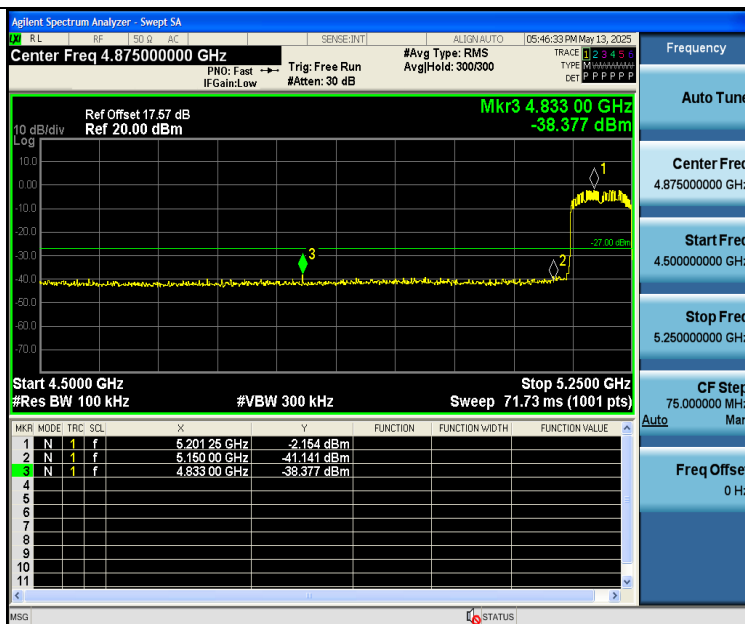
11AC40SISO-Ant1-5190-PASS



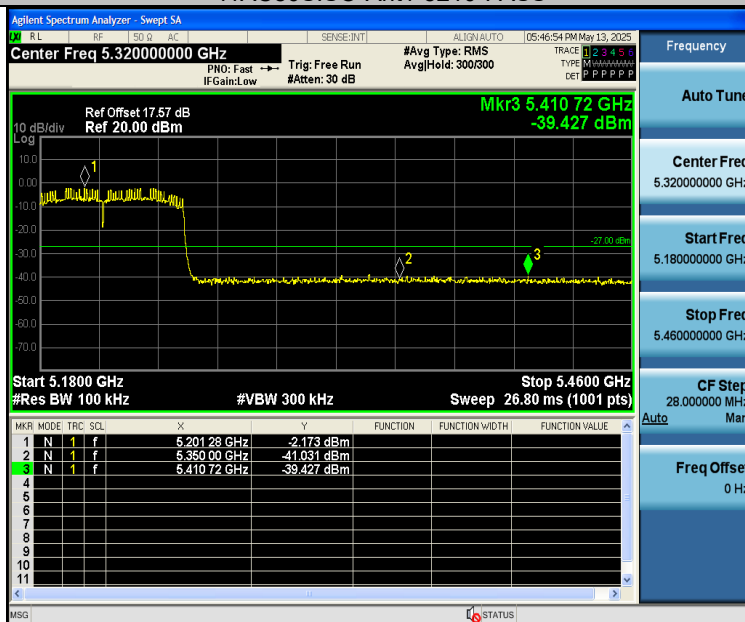
11AC40SISO-Ant1-5230-PASS



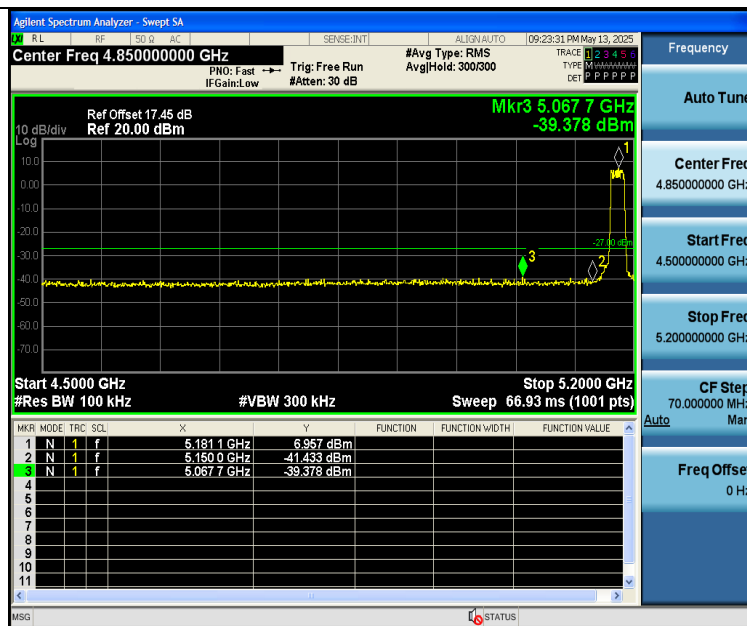
11AC80SISO-Ant1-5210-PASS



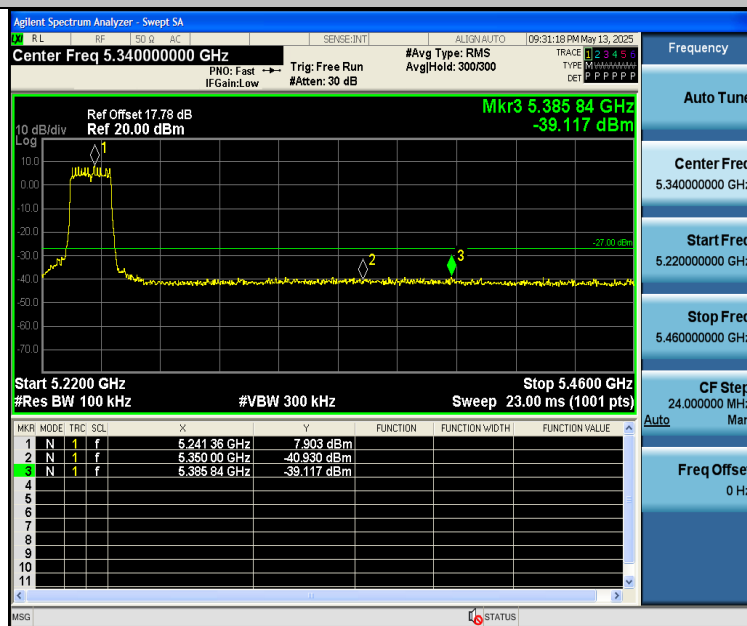
11AC80SISO-Ant1-5210-PASS



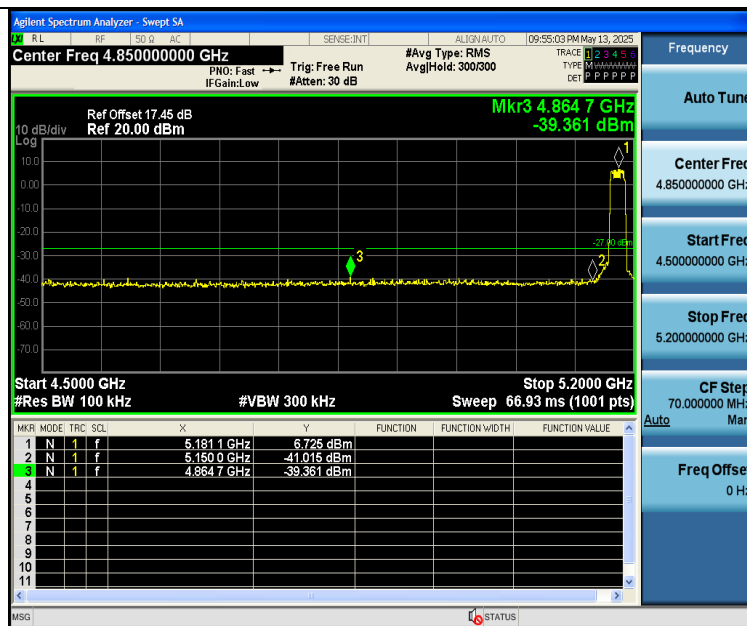
11A-Ant2-5180-PASS



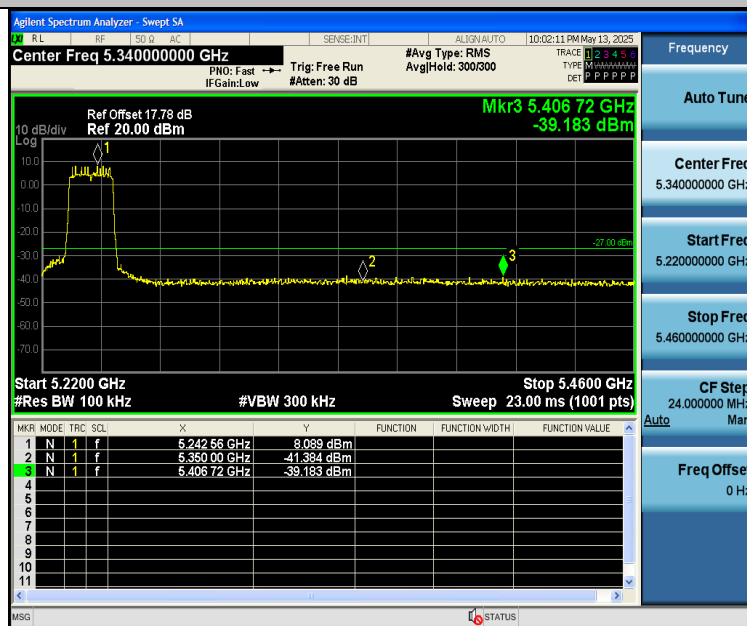
11A-Ant2-5240-PASS



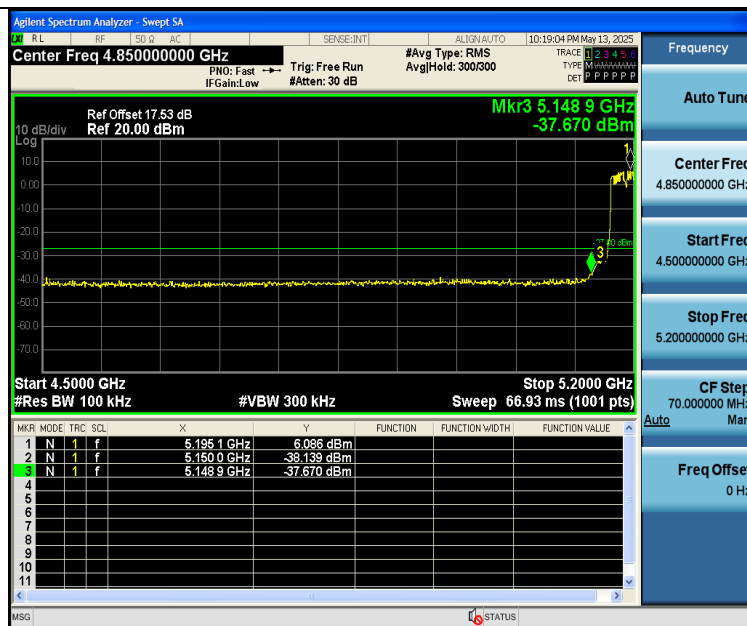
11N20SISO-Ant2-5180-PASS



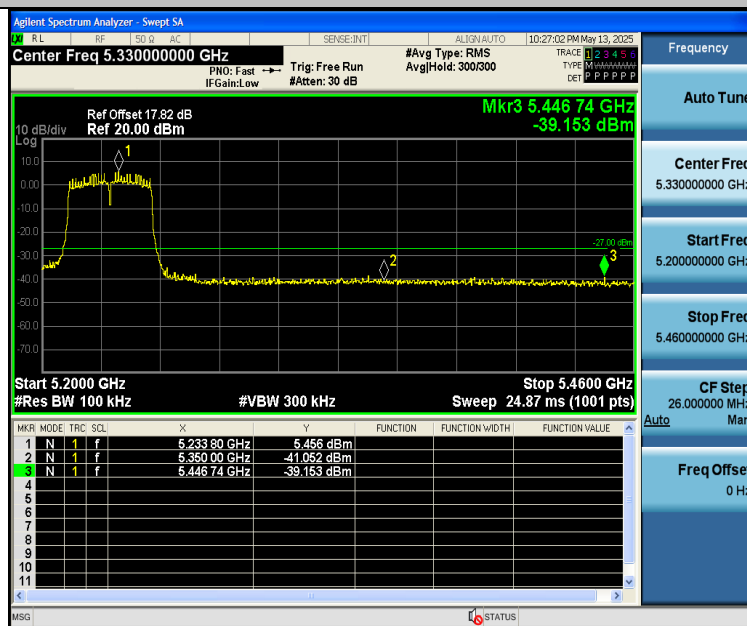
11N20SISO-Ant2-5240-PASS



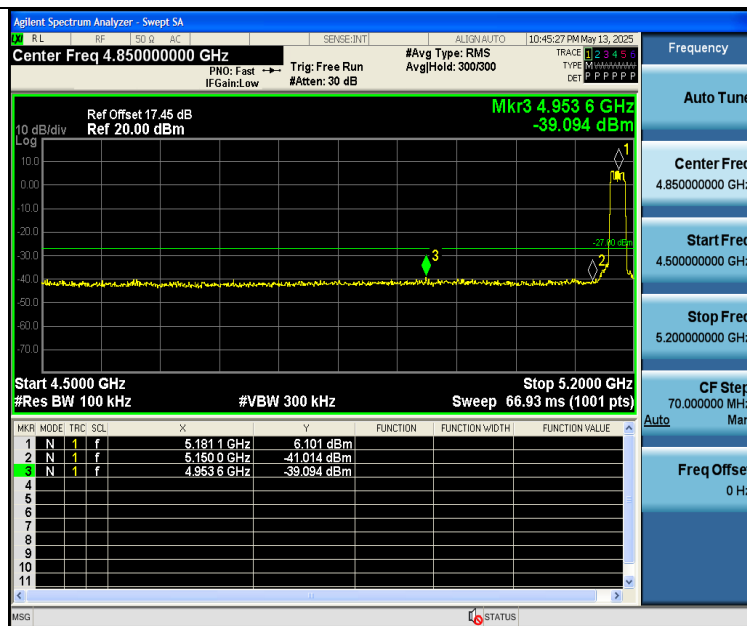
11N40SISO-Ant2-5190-PASS



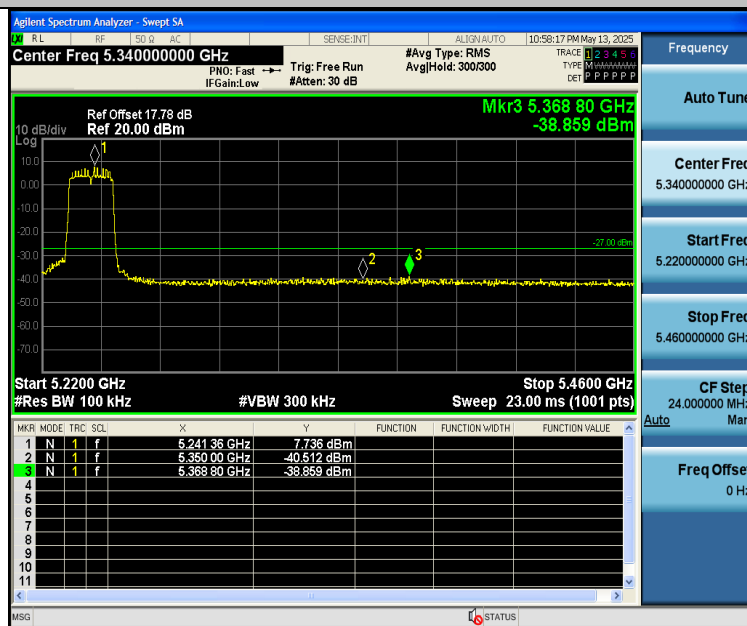
11N40SISO-Ant2-5230-PASS



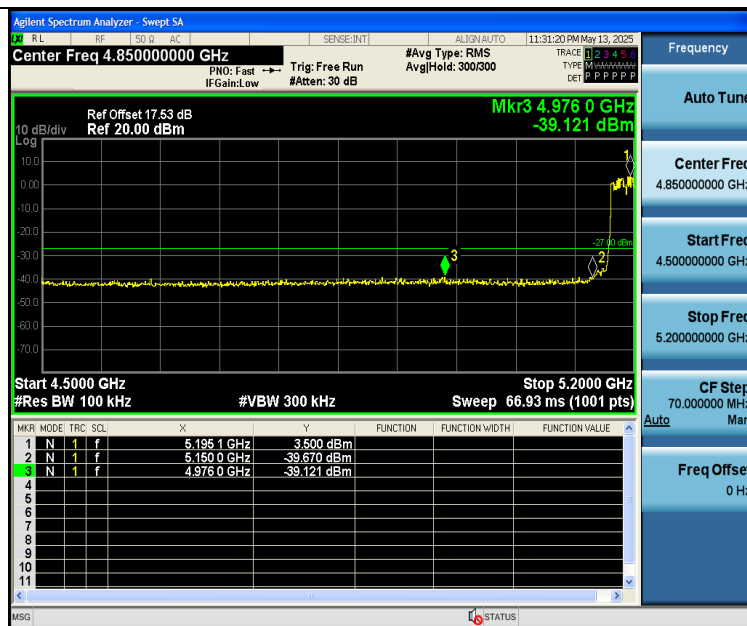
11AC20SISO-Ant2-5180-PASS



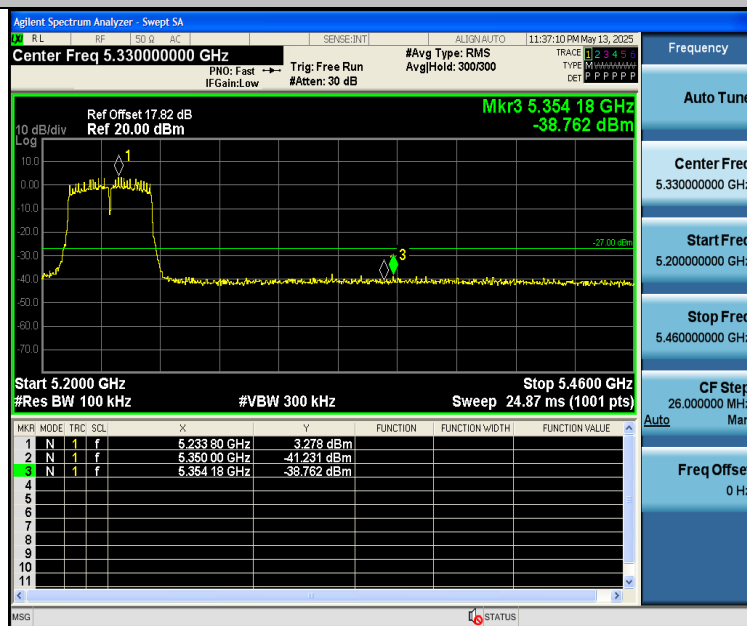
11AC20SISO-Ant2-5240-PASS



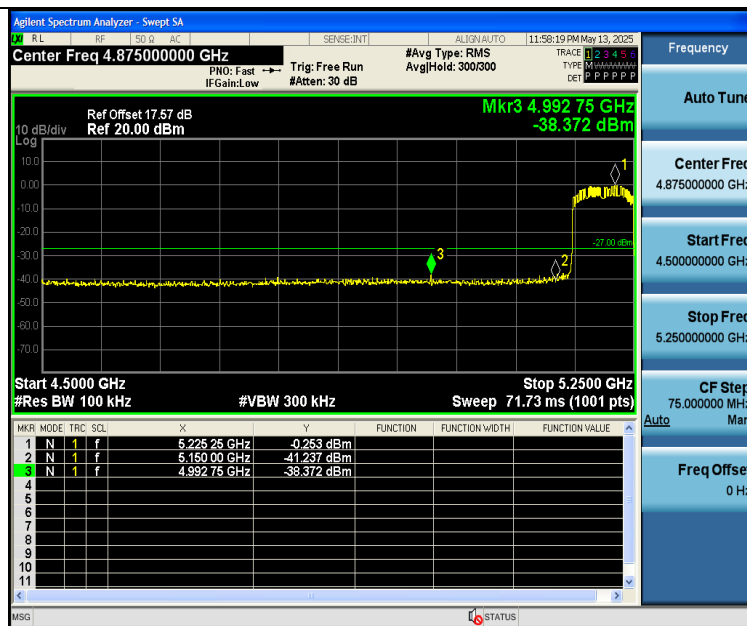
11AC40SISO-Ant2-5190-PASS



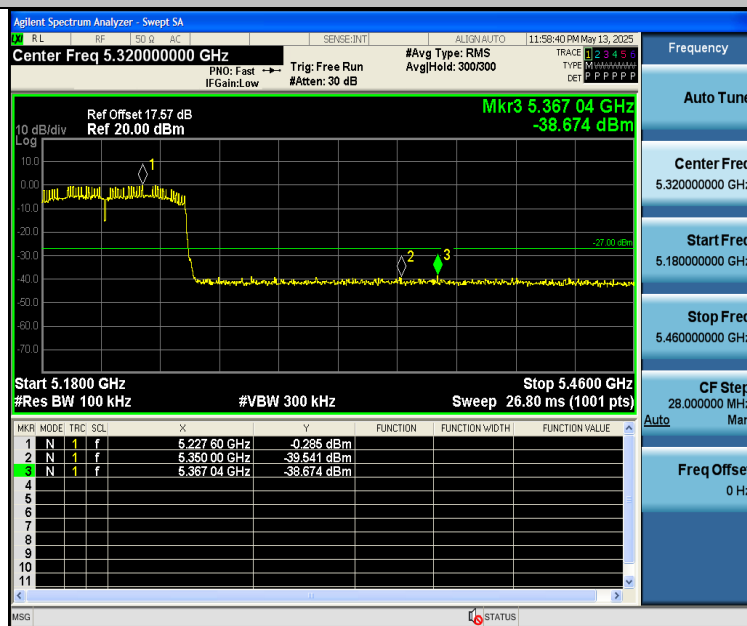
11AC40SISO-Ant2-5230-PASS



11AC80SISO-Ant2-5210-PASS



11AC80SISO-Ant2-5210-PASS

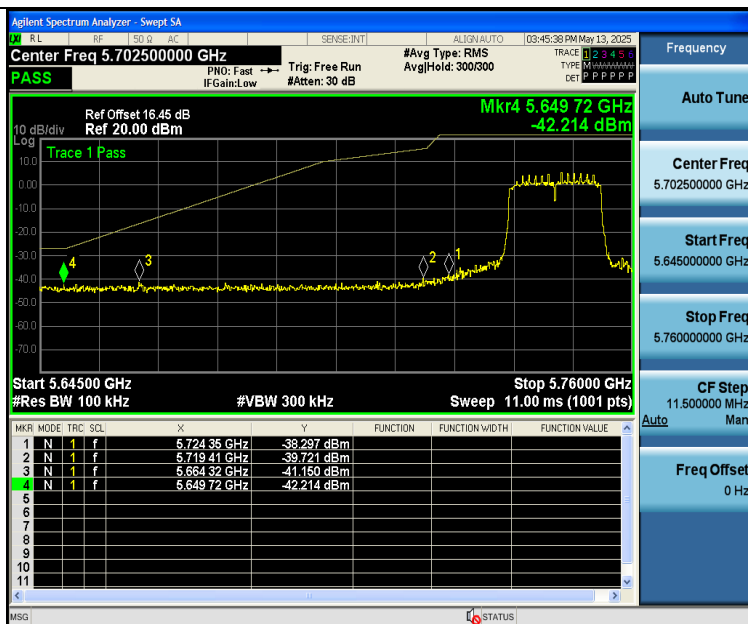


Note: 27~40GHz at least have 20dB margin. No recording in the test report.

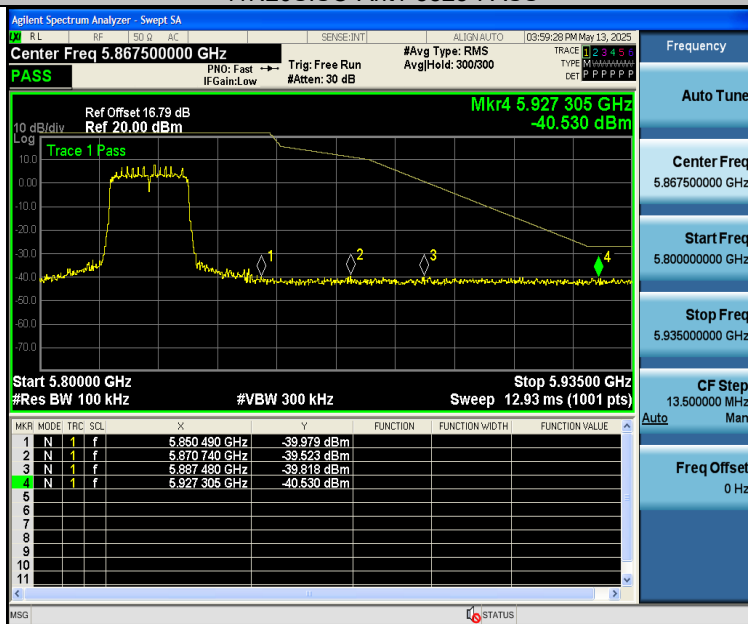


Test plots B4:





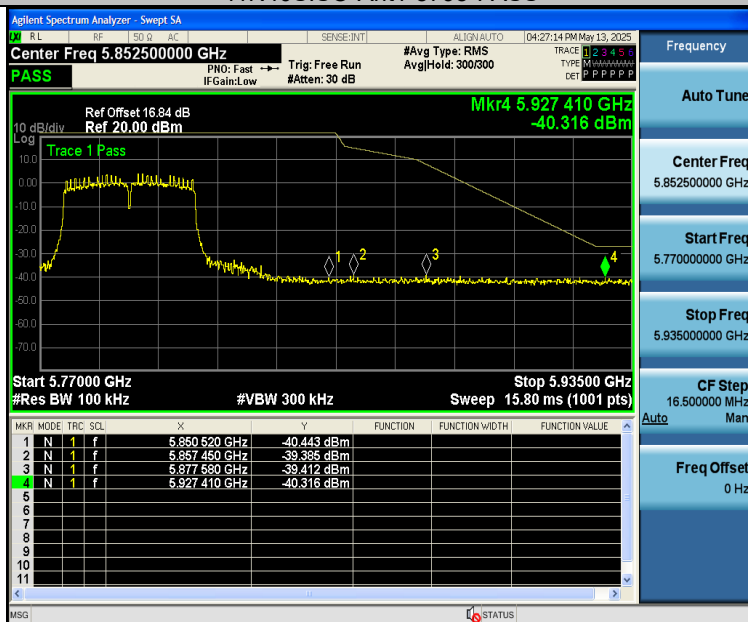
11N20SISO-Ant1-5825-PASS



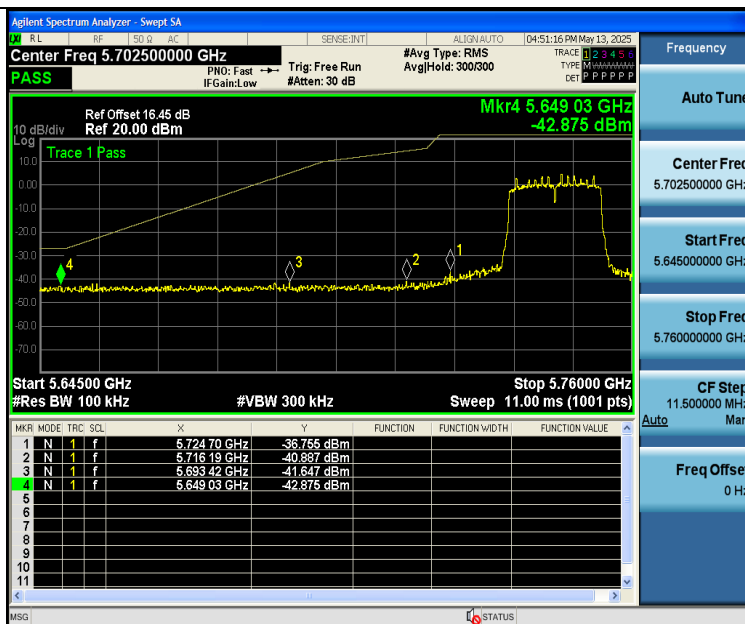
11N40SISO-Ant1-5755-PASS



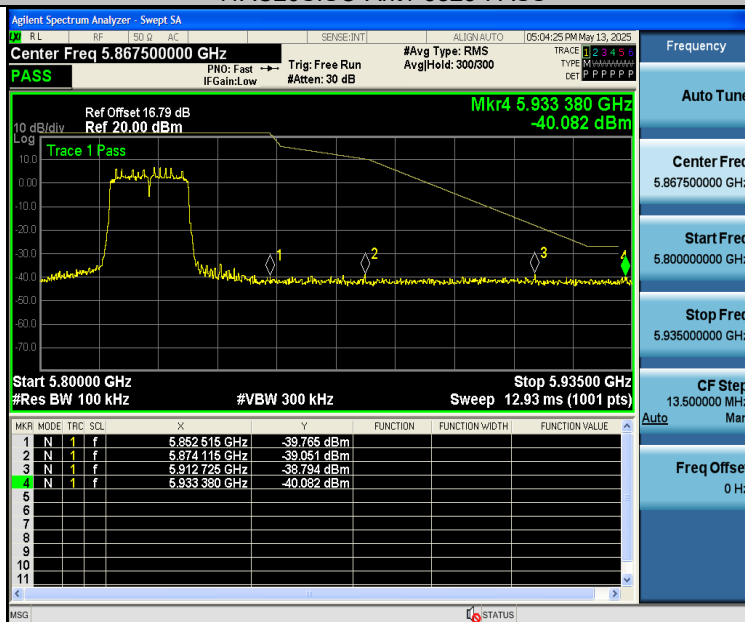
11N40SISO-Ant1-5795-PASS



11AC20SISO-Ant1-5745-PASS



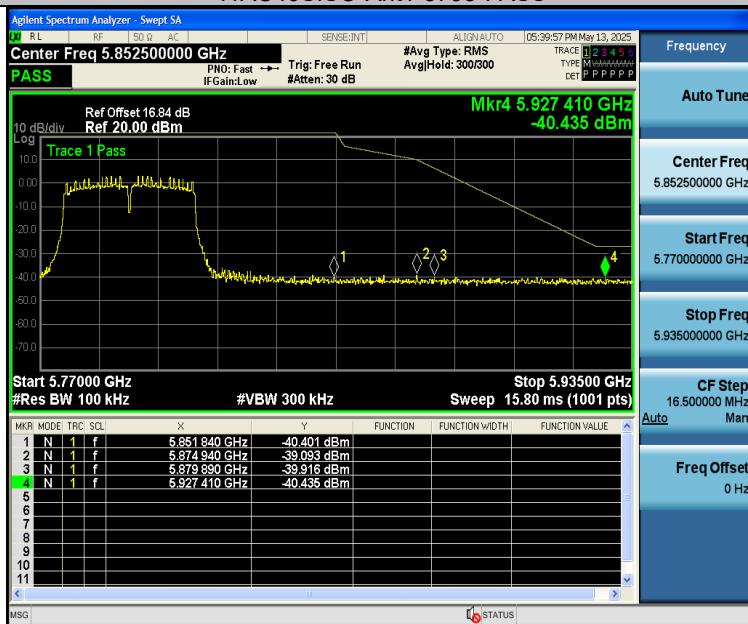
11AC20SISO-Ant1-5825-PASS



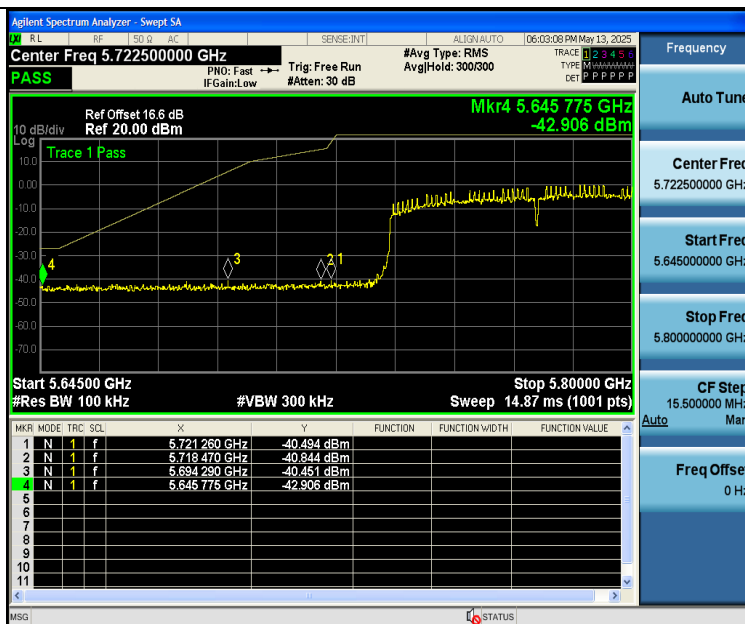
11AC40SISO-Ant1-5755-PASS



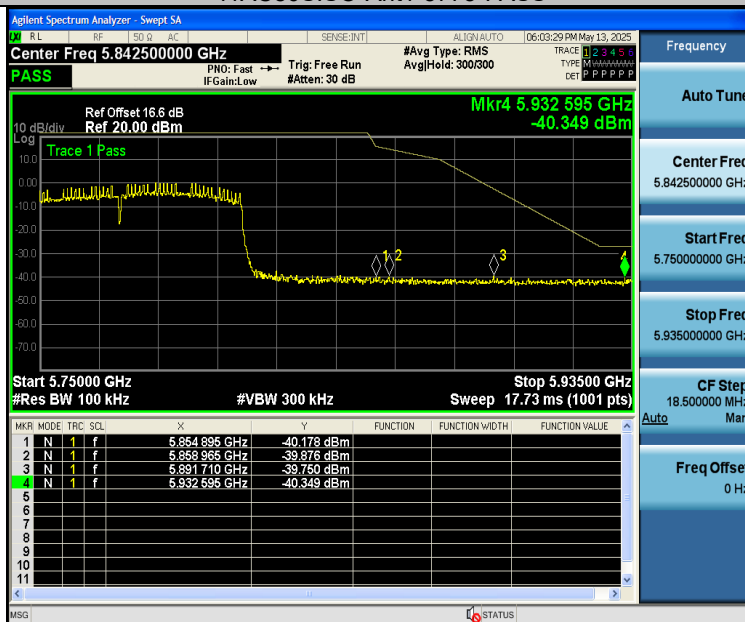
11AC40SISO-Ant1-5795-PASS



11AC80SISO-Ant1-5775-PASS



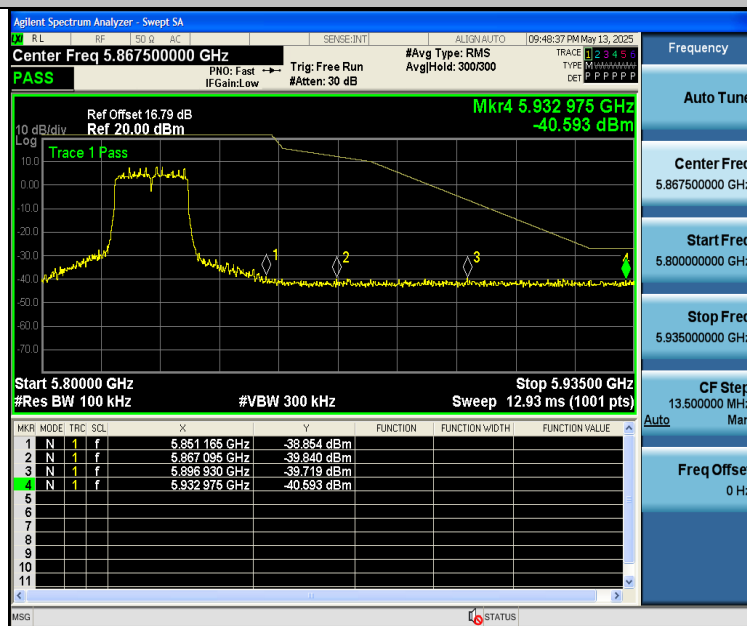
11AC80SISO-Ant1-5775-PASS



11A-Ant2-5745-PASS



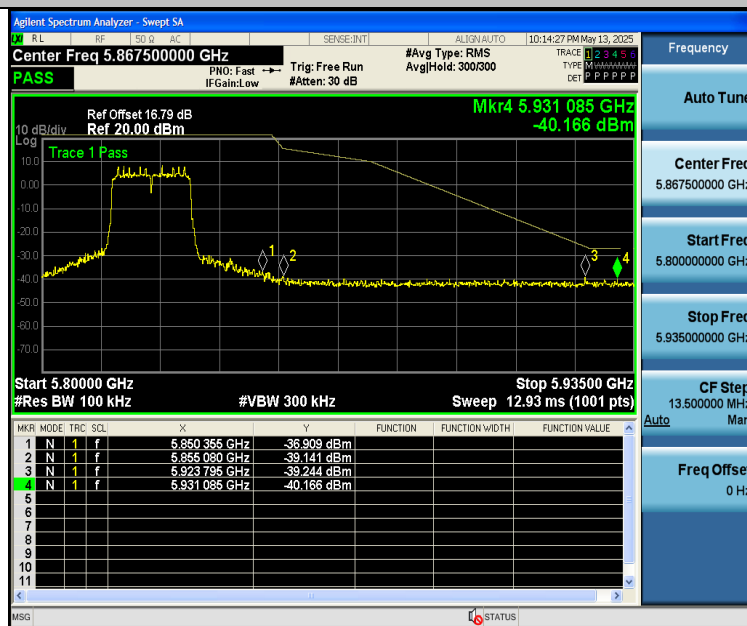
11A-Ant2-5825-PASS



11N20SISO-Ant2-5745-PASS



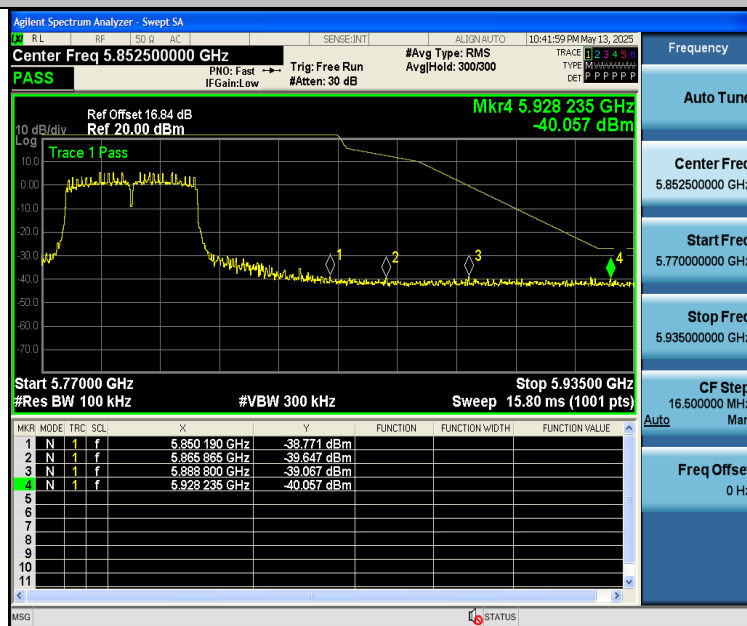
11N20SISO-Ant2-5825-PASS



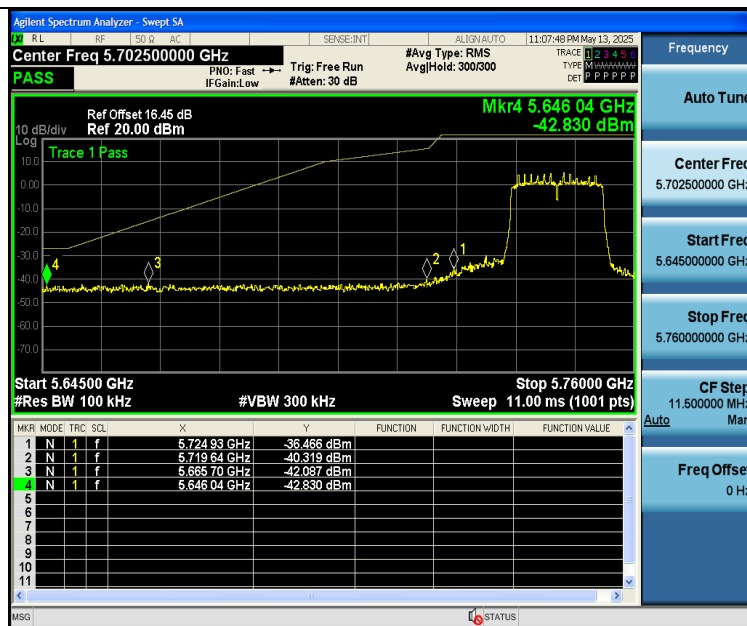
11N40SISO-Ant2-5755-PASS



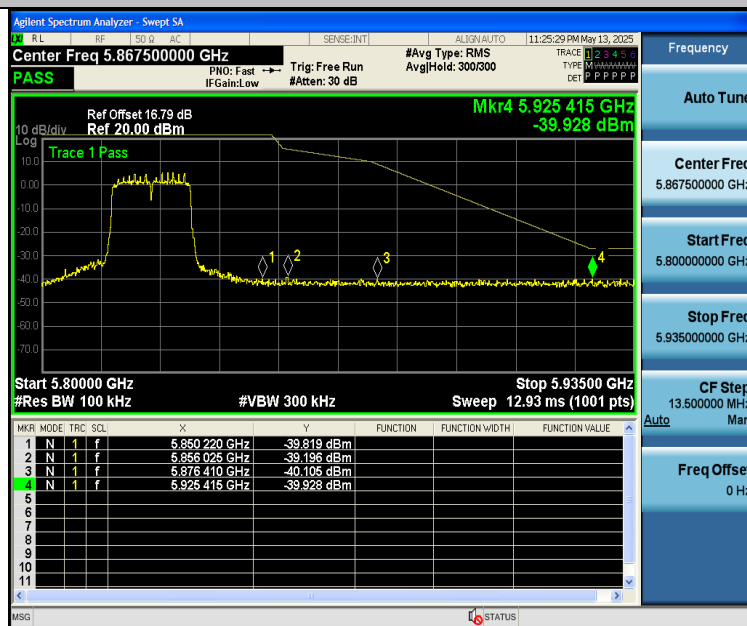
11N40SISO-Ant2-5795-PASS



11AC20SISO-Ant2-5745-PASS



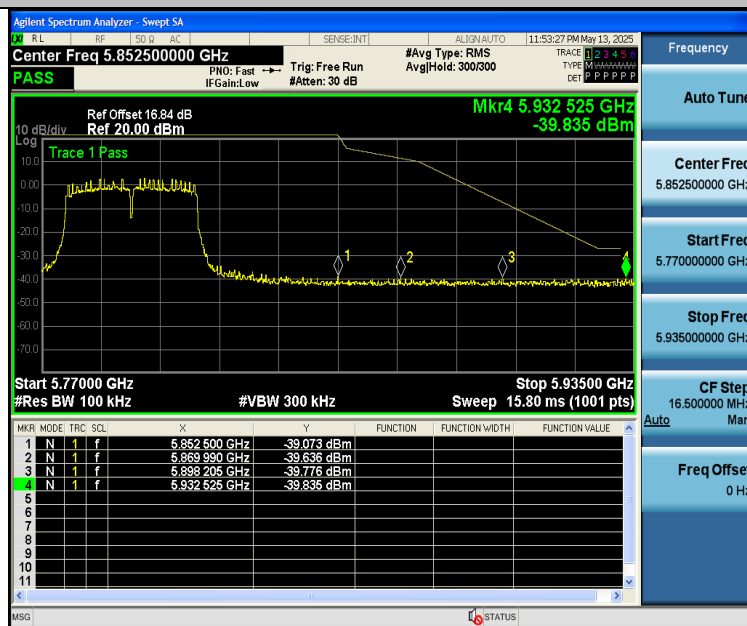
11AC20SISO-Ant2-5825-PASS



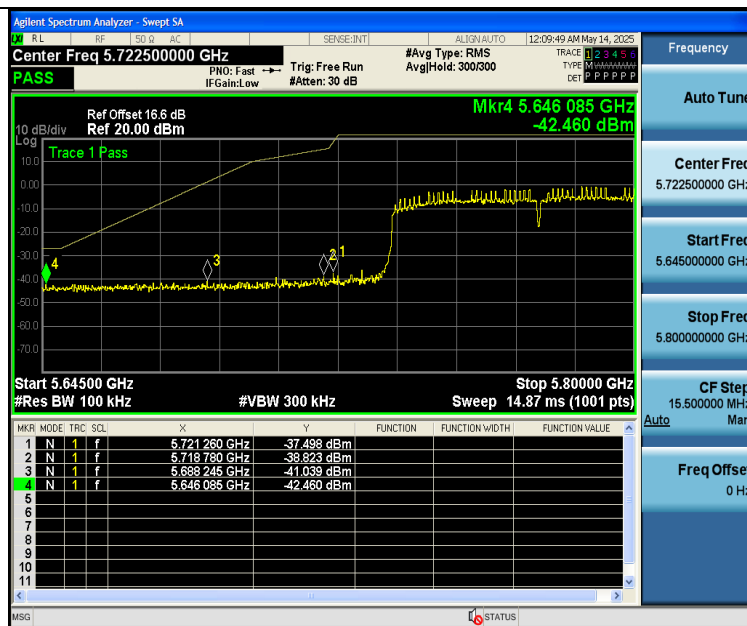
11AC40SISO-Ant2-5755-PASS



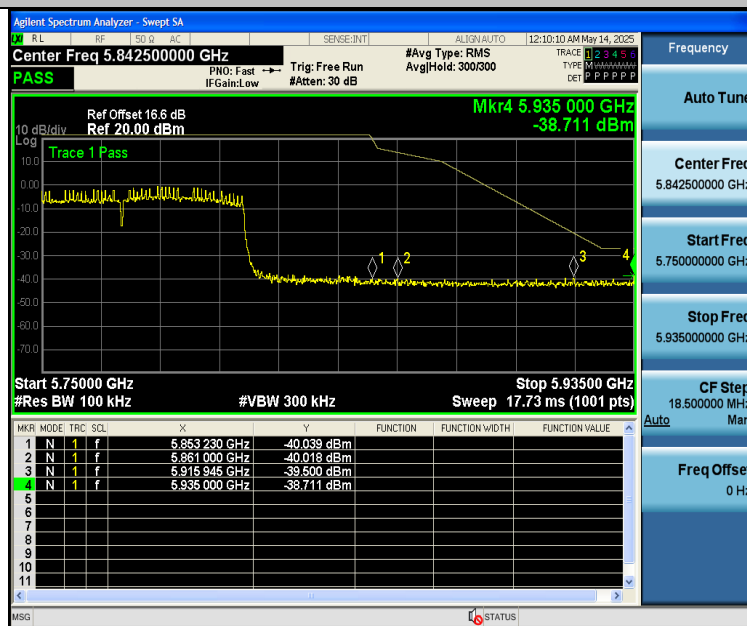
11AC40SISO-Ant2-5795-PASS



11AC80SISO-Ant2-5775-PASS



11AC80SISO-Ant2-5775-PASS





6.7 Restricted Band

Test Requirement : FCC Part15 E Section 15.407(b)

Test site : Measurement Distance: 3m

Test Limit :

Frequency	Limit (dBuV/m @3m)	Remark
Above 1GHz	74	Peak Value
	54	Average Value

Test Procedure:

1. The EUT was placed on a styrofoam table which is 1.5m above ground plane.
2. 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

Test Result:

Worst case mode:		Ant1_802.11a(6Mbps)		Test channel:		36		
NO.	Freq. [MHz]	level [dBμV/m]	Factor [dB]	Emission level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector Type
1	5150	50.43	6.53	56.96	68.23	11.27	H	Peak
2	5150	39.96	6.53	46.49	54	7.51	H	Average
3	5150	49.82	6.53	56.35	68.23	11.88	V	Peak
4	5150	38.14	6.53	44.67	54	9.33	V	Average

Worst case mode:		Ant1_802.11a(6Mbps)		Test channel:		48		
NO.	Freq. [MHz]	level [dBμV/m]	Factor [dB]	Emission level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector Type
1	5350	50.36	6.64	57	68.23	11.23	H	Peak
2	5350	40	6.64	46.64	54	7.36	H	Average
3	5350	48.7	6.64	55.34	68.23	12.89	V	Peak
4	5350	38.52	6.64	45.16	54	8.84	V	Average

Worst case mode:		Ant2_802.11a(6Mbps)		Test channel:		165		
NO.	Freq. [MHz]	level [dBμV/m]	Factor [dB]	Emission level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector Type
1	5850	50.52	6.53	57.05	68.23	11.18	H	Peak
2	5850	40.12	6.53	46.65	54	7.35	H	Average
3	5850	49.98	6.53	56.51	68.23	11.72	V	Peak
4	5850	38.35	6.53	44.88	54	9.12	V	Average

Worst case mode:		Ant2_802.11a(6Mbps)		Test channel:		36		
NO.	Freq. [MHz]	level [dBμV/m]	Factor [dB]	Emission level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector Type
1	5150	50.25	6.56	56.81	68.23	11.42	H	Peak
2	5150	40.03	6.56	46.59	54	7.41	H	Average
3	5150	49.4	6.56	55.96	68.23	12.27	V	Peak
4	5150	38.27	6.56	44.83	54	9.17	V	Average

Worst case mode:		Ant1_802.11a(6Mbps)		Test channel:		48		
NO.	Freq. [MHz]	level [dBμV/m]	Factor [dB]	Emission level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector Type
1	5350	50.25	6.56	56.81	68.23	11.42	H	Peak
2	5350	40.03	6.56	46.59	54	7.41	H	Average
3	5350	49.4	6.56	55.96	68.23	12.27	V	Peak



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4	5350	38.27	6.56	44.83	54	9.17	v	Average
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Worst case mode:		Ant1_802.11a(6Mbps)		Test channel:		165		
NO.	Freq. [MHz]	level [dBμV/m]	Factor [dB]	Emission level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector Type
1	5850	50.39	6.64	57.03	68.23	11.2	H	Peak
2	5850	40.32	6.64	46.96	54	7.04	H	Average
3	5850	48.97	6.64	55.61	68.23	12.62	v	Peak
4	5850	38.25	6.64	44.89	54	9.11	v	Average

Note: Only recorded the worst case in the report.



7 Emission Bandwidth and Occupied Bandwidth

Test Requirement	: FCC CFR47 Part 15 Section 15.407(a)(e)
Test Method	: ANSI C63.10:2013 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.
Test Limit	: 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).

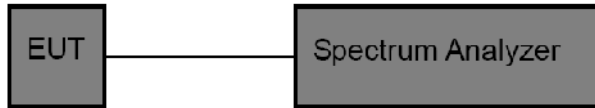
The following procedure shall be used for measuring (99 %) power bandwidth:

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 $VBW \geq 3 \cdot RBW$
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency.



The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

7.2 Test setup



7.3 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.

26 dB emission bandwidth:

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.480	5170.840	5189.320	---	---
11A	Ant1	5200	18.440	5190.800	5209.240	---	---
11A	Ant1	5240	18.440	5230.800	5249.240	---	---
11A	Ant1	5745	21.960	5735.800	5757.760	---	---
11A	Ant1	5785	19.000	5775.720	5794.720	---	---
11A	Ant1	5825	18.280	5815.840	5834.120	---	---
11N20SISO	Ant1	5180	19.360	5170.320	5189.680	---	---
11N20SISO	Ant1	5200	19.200	5190.360	5209.560	---	---
11N20SISO	Ant1	5240	19.520	5230.240	5249.760	---	---
11N20SISO	Ant1	5745	19.320	5735.360	5754.680	---	---
11N20SISO	Ant1	5785	19.360	5775.320	5794.680	---	---
11N20SISO	Ant1	5825	19.240	5815.440	5834.680	---	---
11N40SISO	Ant1	5190	41.200	5169.120	5210.320	---	---
11N40SISO	Ant1	5230	40.640	5209.680	5250.320	---	---
11N40SISO	Ant1	5755	42.080	5734.680	5776.760	---	---
11N40SISO	Ant1	5795	40.480	5774.680	5815.160	---	---
11AC20SISO	Ant1	5180	19.280	5170.320	5189.600	---	---
11AC20SISO	Ant1	5200	19.280	5190.360	5209.640	---	---
11AC20SISO	Ant1	5240	19.400	5230.280	5249.680	---	---
11AC20SISO	Ant1	5745	19.280	5735.400	5754.680	---	---
11AC20SISO	Ant1	5785	19.400	5775.320	5794.720	---	---
11AC20SISO	Ant1	5825	19.440	5815.240	5834.680	---	---
11AC40SISO	Ant1	5190	40.880	5169.600	5210.480	---	---
11AC40SISO	Ant1	5230	40.560	5209.840	5250.400	---	---
11AC40SISO	Ant1	5755	40.560	5735.240	5775.800	---	---
11AC40SISO	Ant1	5795	40.240	5774.920	5815.160	---	---
11AC80SISO	Ant1	5210	80.800	5169.680	5250.480	---	---
11AC80SISO	Ant1	5775	79.840	5735.320	5815.160	---	---

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	18.440	5170.840	5189.280	---	---



11A	Ant2	5200	18.520	5190.800	5209.320	---	---
11A	Ant2	5240	18.320	5230.800	5249.120	---	---
11A	Ant2	5745	18.480	5735.800	5754.280	---	---
11A	Ant2	5785	18.560	5775.840	5794.400	---	---
11A	Ant2	5825	18.400	5815.840	5834.240	---	---
11N20SISO	Ant2	5180	19.400	5170.320	5189.720	---	---
11N20SISO	Ant2	5200	19.280	5190.320	5209.600	---	---
11N20SISO	Ant2	5240	19.440	5230.280	5249.720	---	---
11N20SISO	Ant2	5745	19.400	5735.320	5754.720	---	---
11N20SISO	Ant2	5785	19.280	5775.360	5794.640	---	---
11N20SISO	Ant2	5825	19.480	5815.280	5834.760	---	---
11N40SISO	Ant2	5190	40.560	5169.840	5210.400	---	---
11N40SISO	Ant2	5230	40.320	5209.920	5250.240	---	---
11N40SISO	Ant2	5755	41.600	5734.280	5775.880	---	---
11N40SISO	Ant2	5795	40.800	5774.680	5815.480	---	---
11AC20SISO	Ant2	5180	19.360	5170.280	5189.640	---	---
11AC20SISO	Ant2	5200	19.280	5190.400	5209.680	---	---
11AC20SISO	Ant2	5240	19.440	5230.320	5249.760	---	---
11AC20SISO	Ant2	5745	19.440	5735.320	5754.760	---	---
11AC20SISO	Ant2	5785	19.400	5775.280	5794.680	---	---
11AC20SISO	Ant2	5825	19.400	5815.360	5834.760	---	---
11AC40SISO	Ant2	5190	40.960	5169.600	5210.560	---	---
11AC40SISO	Ant2	5230	40.800	5209.600	5250.400	---	---
11AC40SISO	Ant2	5755	40.560	5734.760	5775.320	---	---
11AC40SISO	Ant2	5795	41.360	5774.520	5815.880	---	---
11AC80SISO	Ant2	5210	81.440	5169.680	5251.120	---	---
11AC80SISO	Ant2	5775	80.480	5735.000	5815.480	---	---



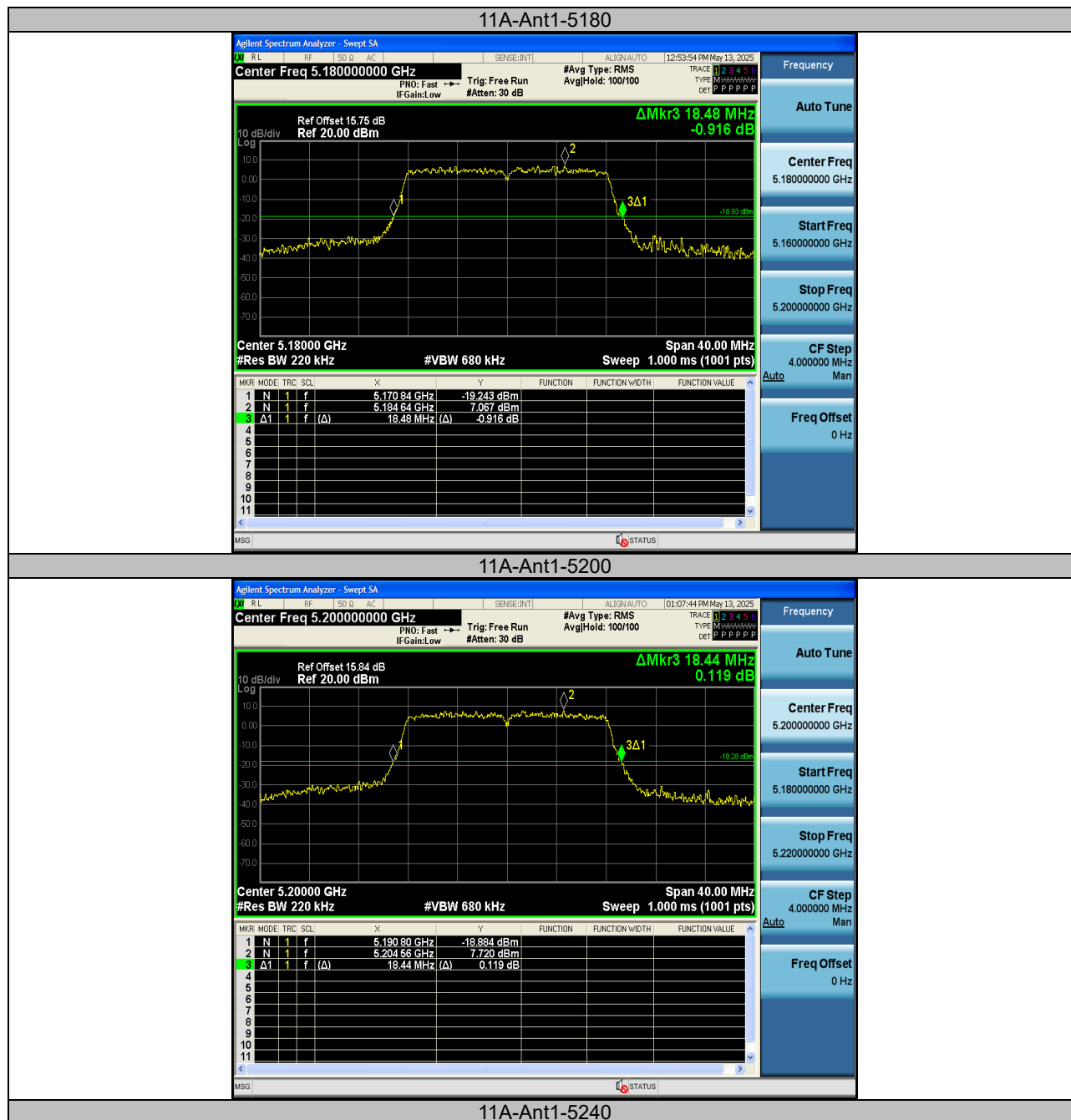
minimum 6 dB bandwidth:

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.080	5737.080	5753.160	0.5	PASS
11A	Ant1	5785	16.320	5776.840	5793.160	0.5	PASS
11A	Ant1	5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.160	5736.600	5753.760	0.5	PASS
11N20SISO	Ant1	5785	17.160	5776.600	5793.760	0.5	PASS
11N20SISO	Ant1	5825	17.560	5816.200	5833.760	0.5	PASS
11N40SISO	Ant1	5755	35.120	5737.480	5772.600	0.5	PASS
11N40SISO	Ant1	5795	35.280	5777.480	5812.760	0.5	PASS
11AC20SISO	Ant1	5745	17.200	5736.560	5753.760	0.5	PASS
11AC20SISO	Ant1	5785	17.280	5776.480	5793.760	0.5	PASS
11AC20SISO	Ant1	5825	16.920	5816.480	5833.400	0.5	PASS
11AC40SISO	Ant1	5755	35.520	5737.400	5772.920	0.5	PASS
11AC40SISO	Ant1	5795	35.040	5777.480	5812.520	0.5	PASS
11AC80SISO	Ant1	5775	67.520	5743.800	5811.320	0.5	PASS

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5745	16.320	5736.840	5753.160	0.5	PASS
11A	Ant2	5785	16.320	5776.840	5793.160	0.5	PASS
11A	Ant2	5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant2	5745	17.520	5736.240	5753.760	0.5	PASS
11N20SISO	Ant2	5785	17.160	5776.600	5793.760	0.5	PASS
11N20SISO	Ant2	5825	17.520	5816.240	5833.760	0.5	PASS
11N40SISO	Ant2	5755	33.920	5738.680	5772.600	0.5	PASS
11N40SISO	Ant2	5795	35.360	5777.400	5812.760	0.5	PASS
11AC20SISO	Ant2	5745	17.520	5736.240	5753.760	0.5	PASS
11AC20SISO	Ant2	5785	17.520	5776.240	5793.760	0.5	PASS
11AC20SISO	Ant2	5825	17.280	5816.480	5833.760	0.5	PASS
11AC40SISO	Ant2	5755	35.120	5737.480	5772.600	0.5	PASS
11AC40SISO	Ant2	5795	35.280	5777.480	5812.760	0.5	PASS
11AC80SISO	Ant2	5775	74.880	5737.560	5812.440	0.5	PASS

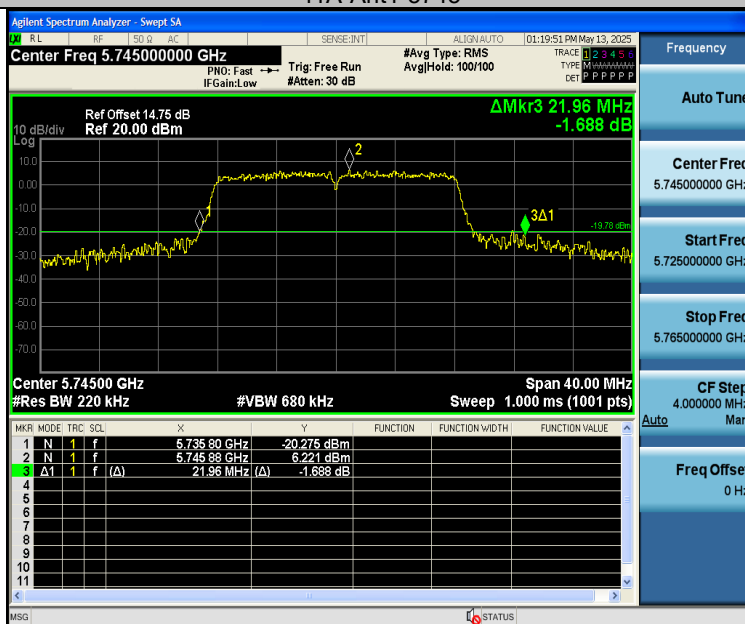


Test Graphs:

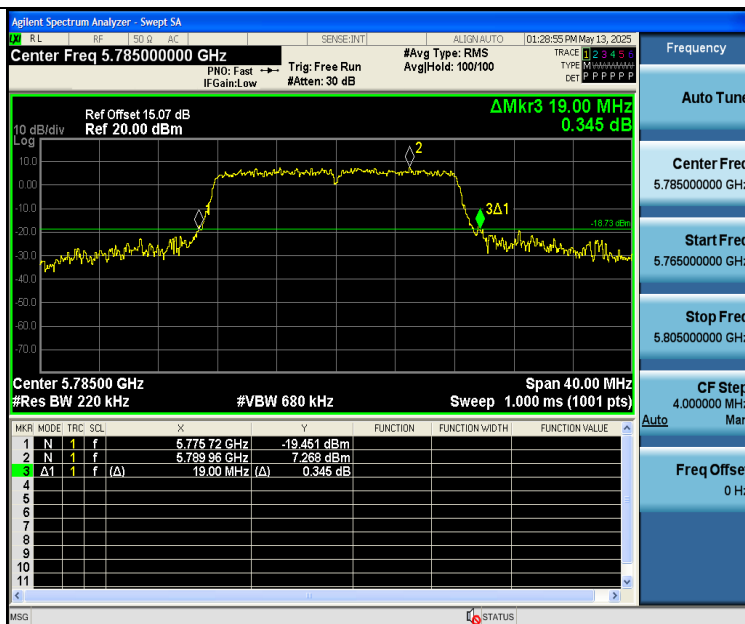




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11A-Ant1-5785



11A-Ant1-5825



11N20SISO-Ant1-5180



11N20SISO-Ant1-5200



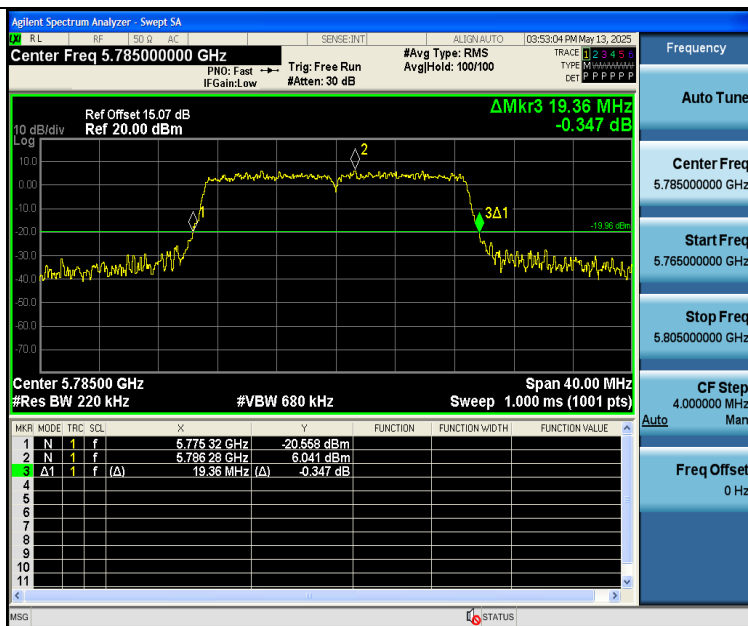
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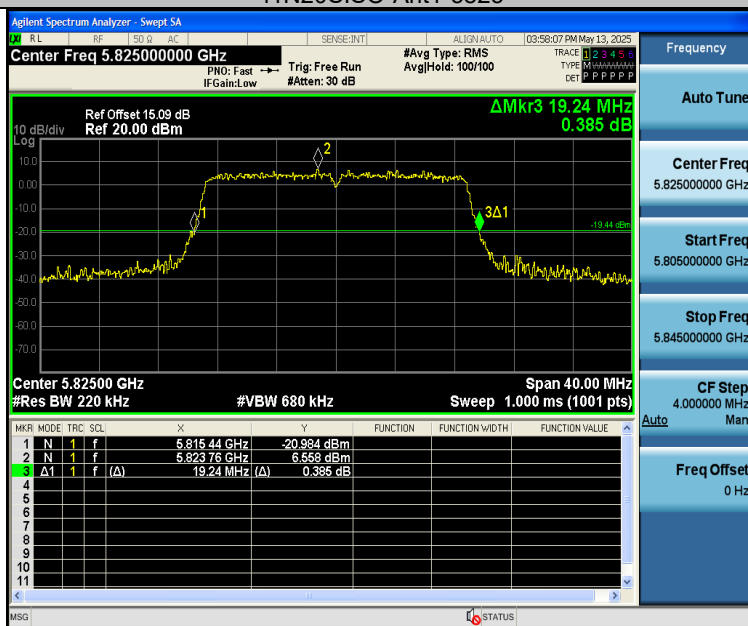
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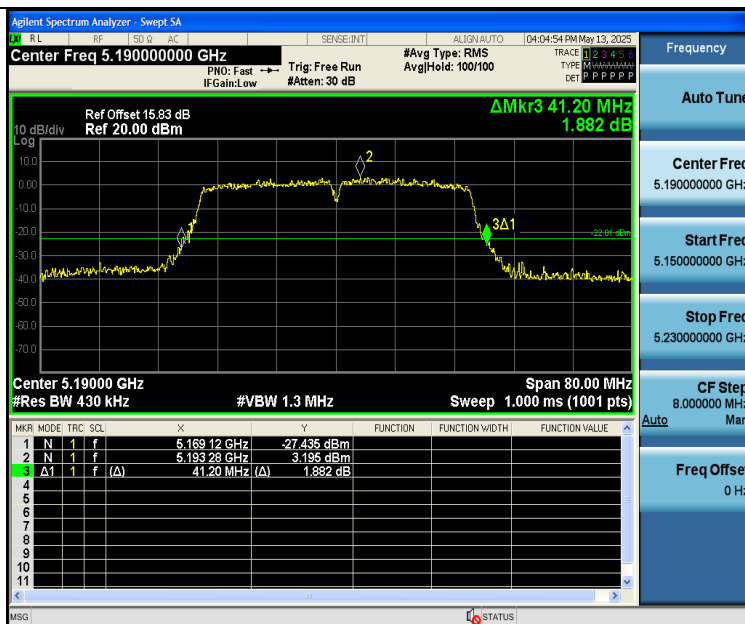
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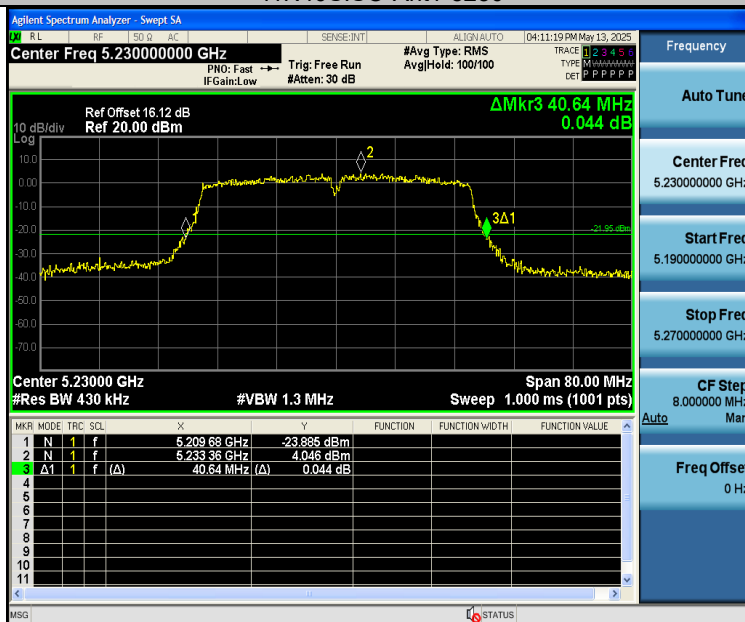
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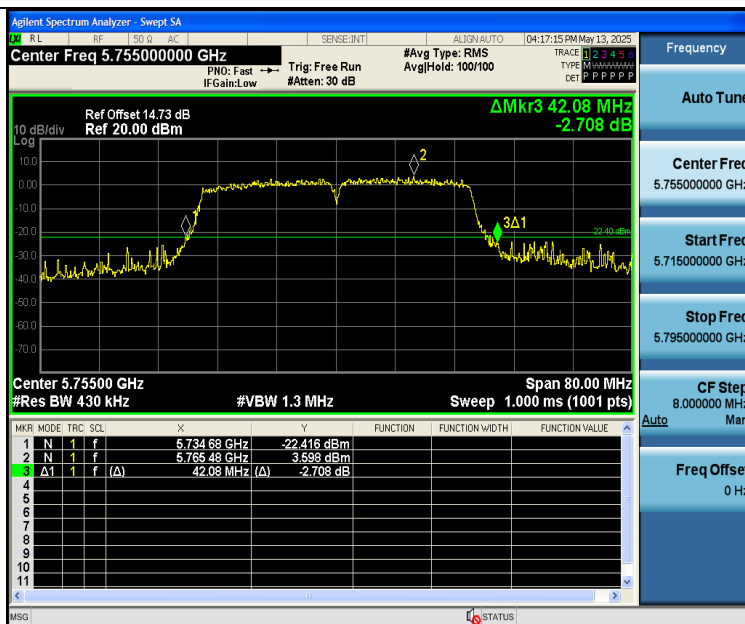
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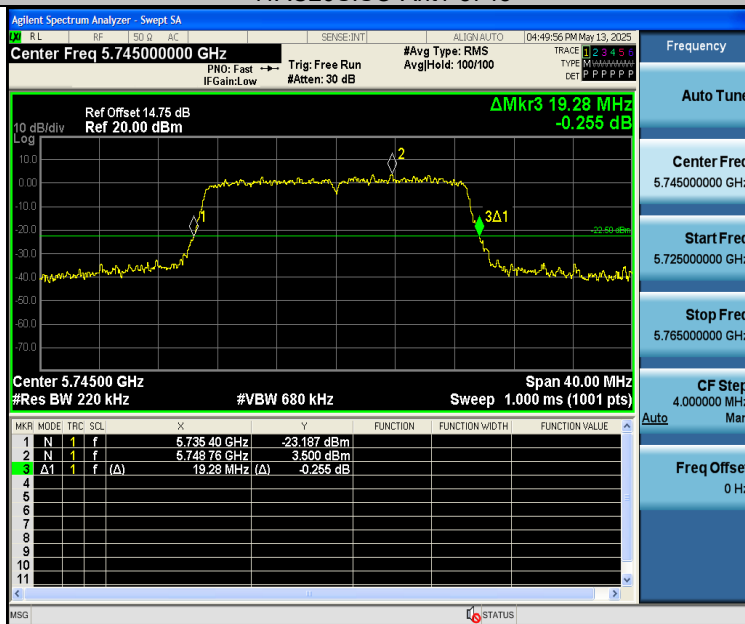
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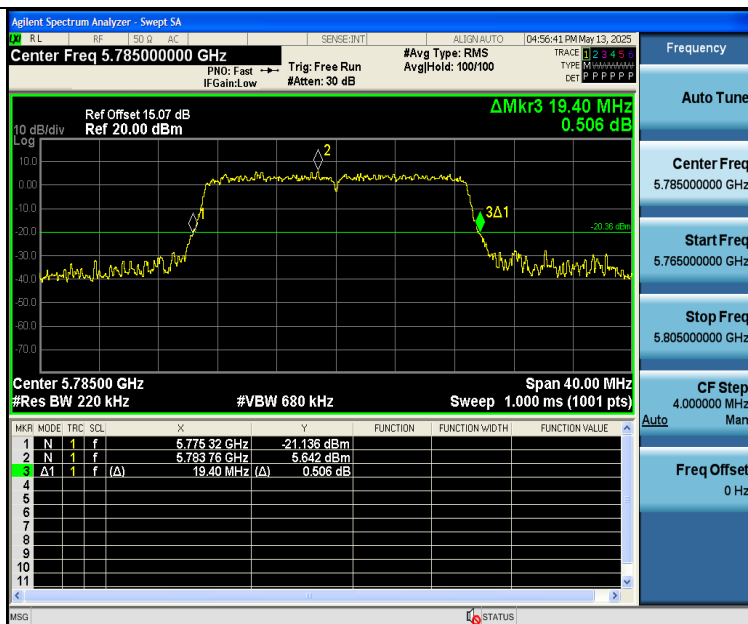
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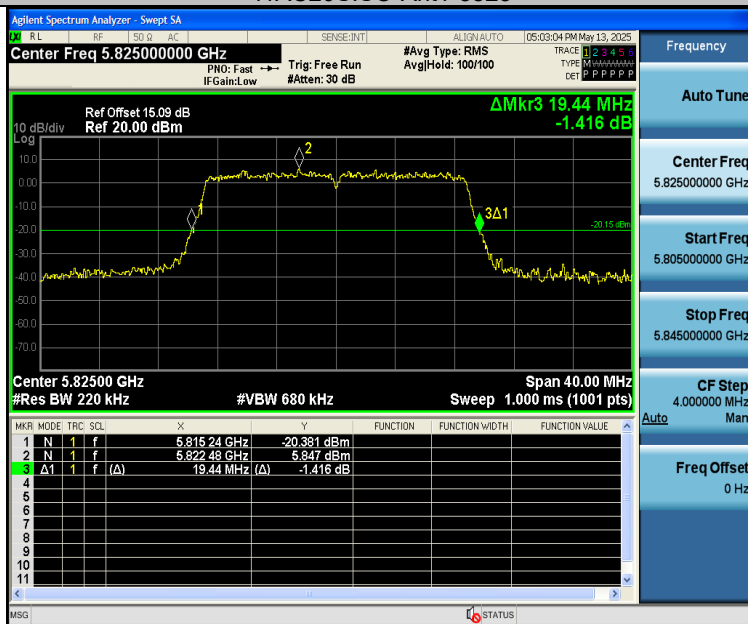
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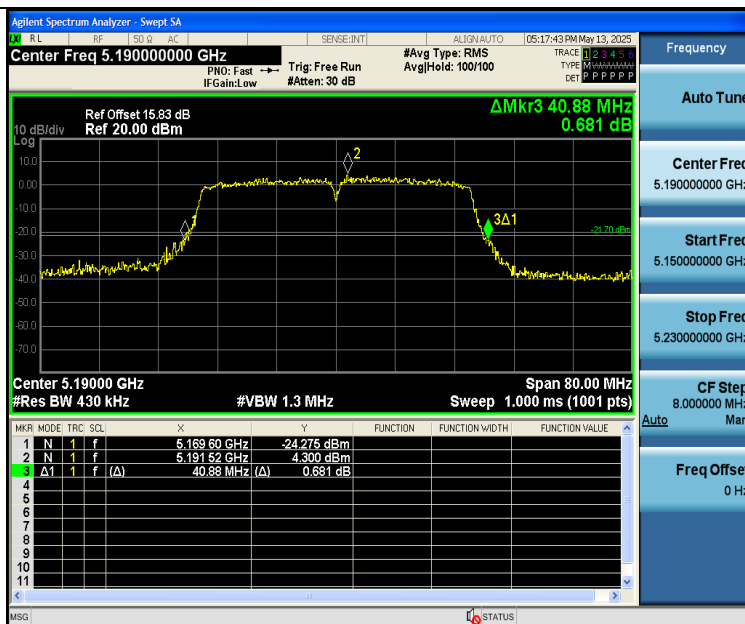
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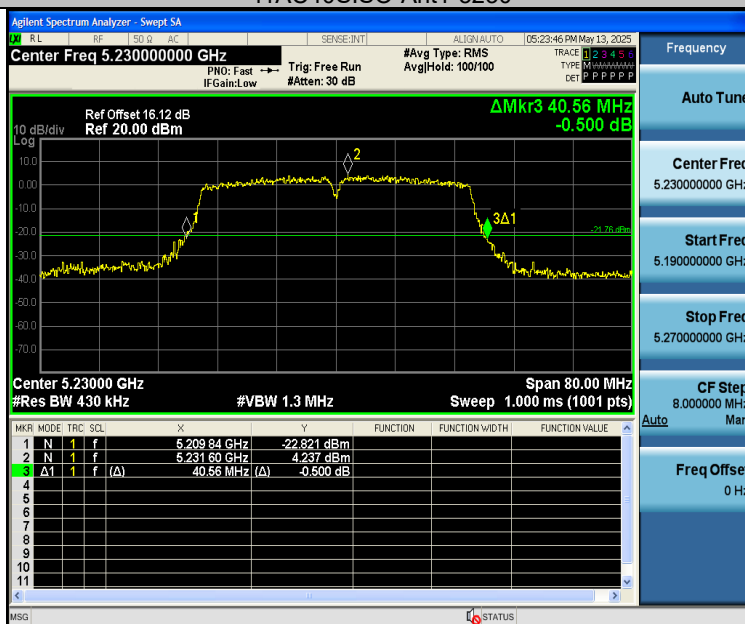
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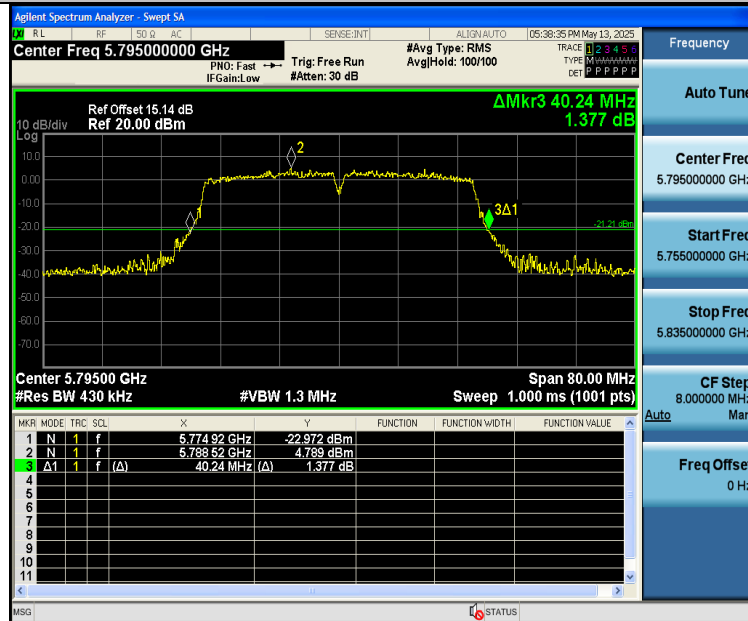
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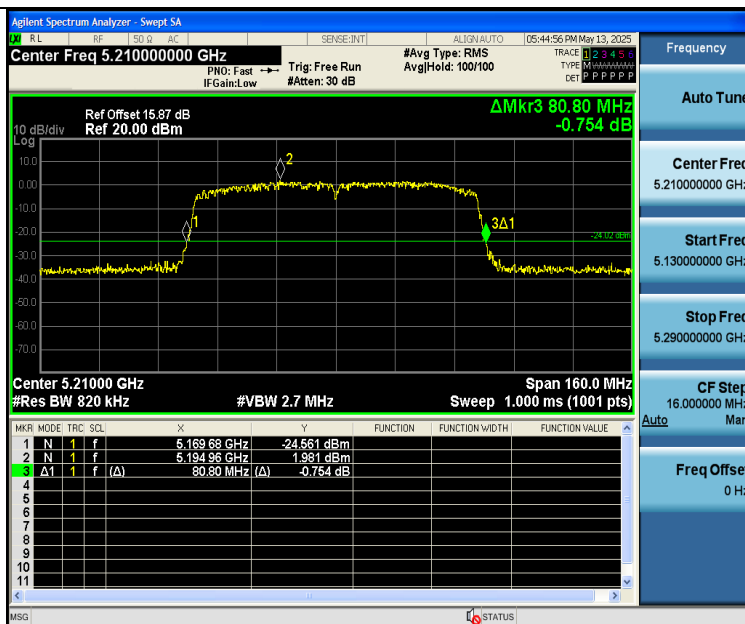
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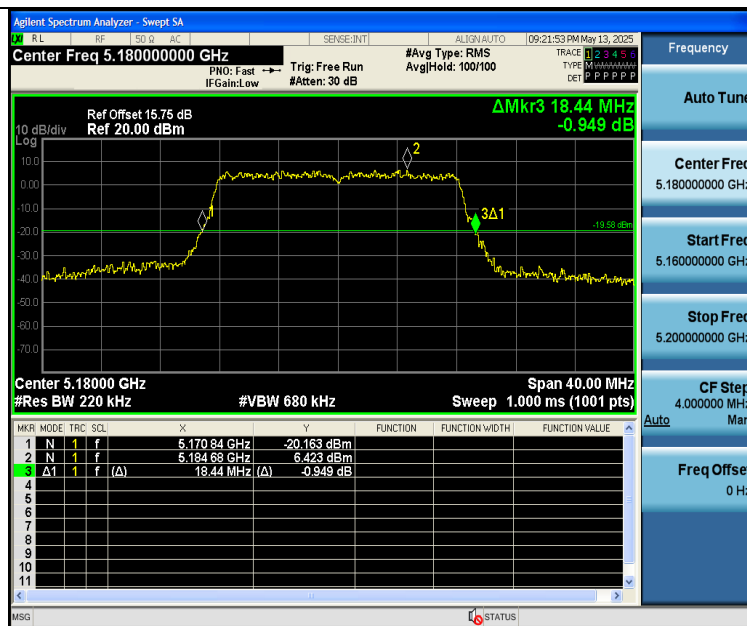
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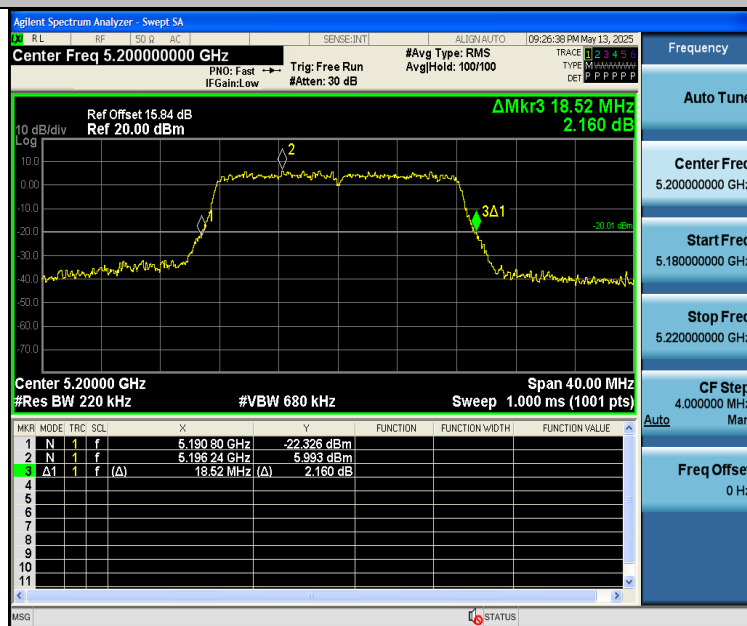
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11A-Ant2-5180



11A-Ant2-5200



11A-Ant2-5240



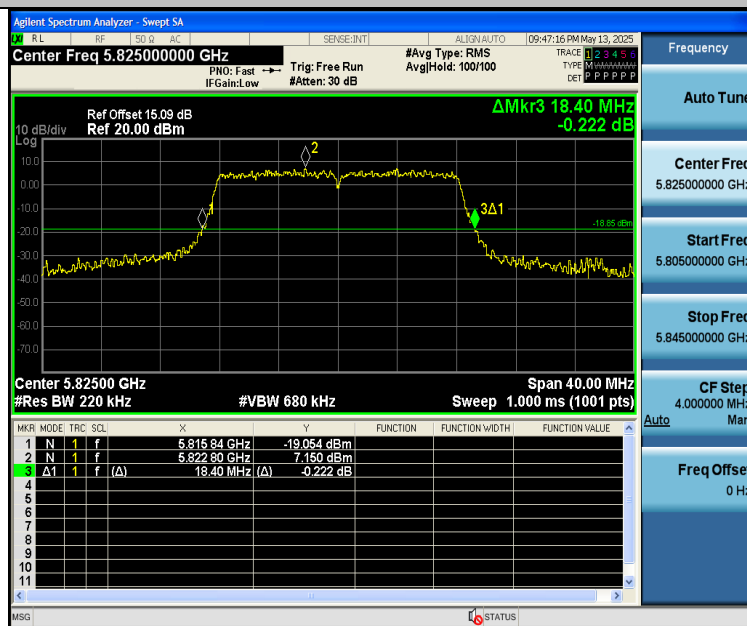
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11A-Ant2-5825



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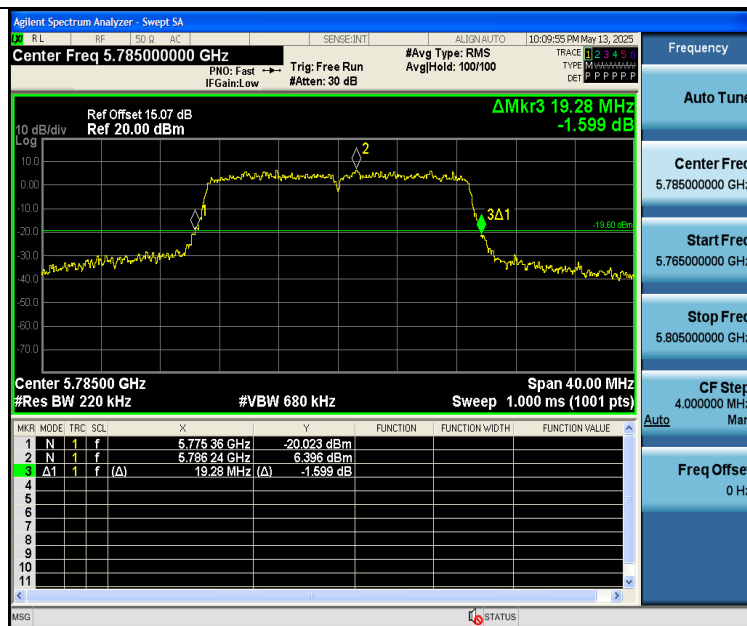
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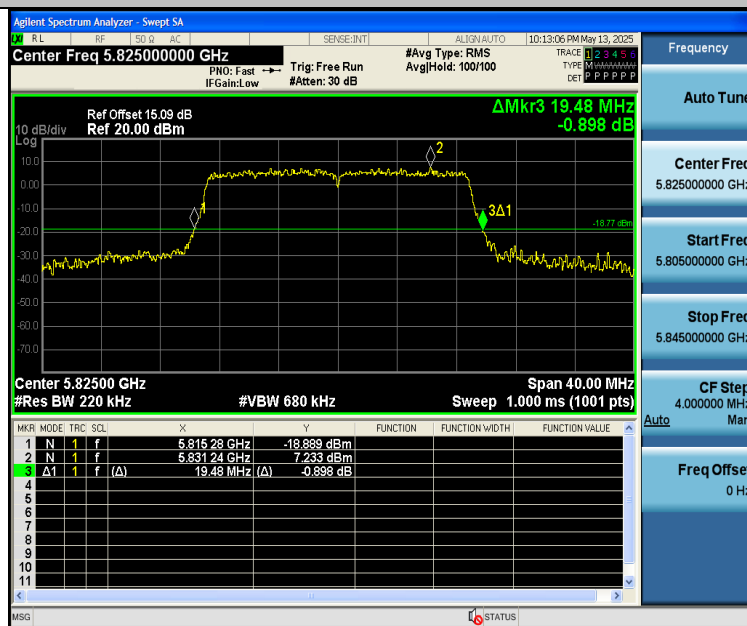
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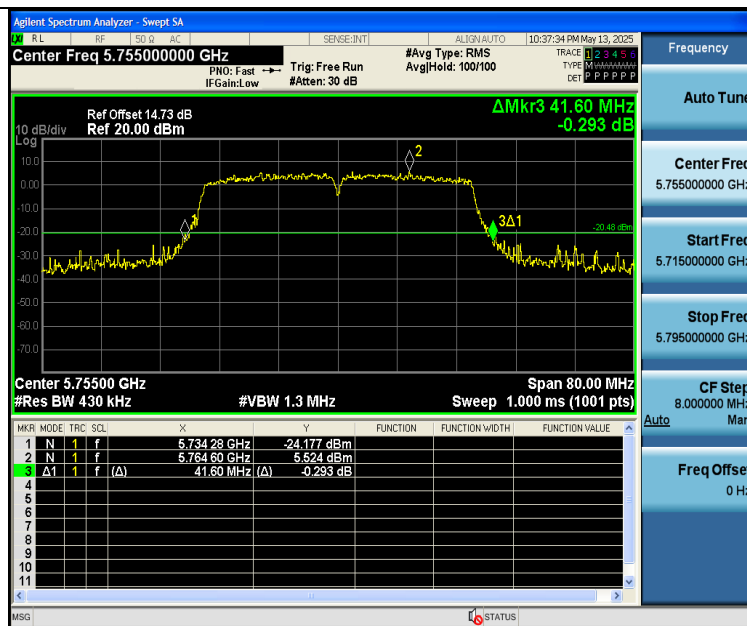
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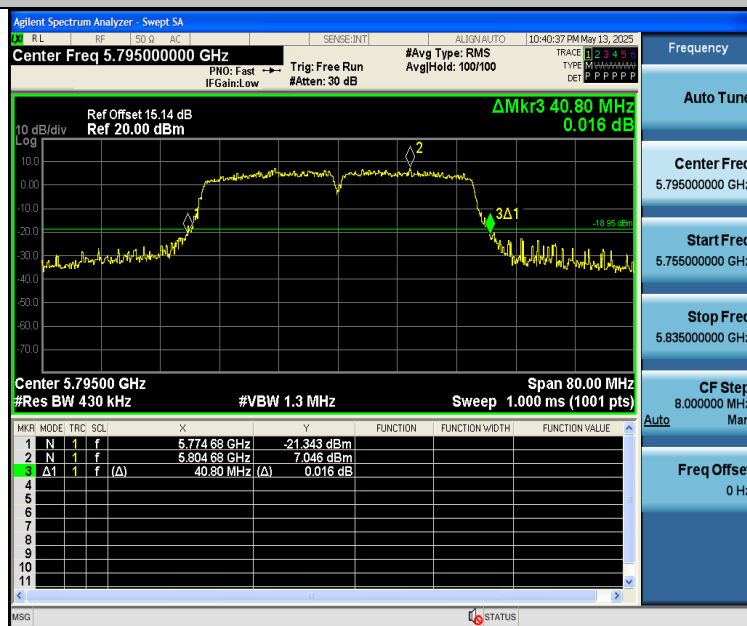
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11N40SISO-Ant2-5755



11N40SISO-Ant2-5795



11AC20SISO-Ant2-5180



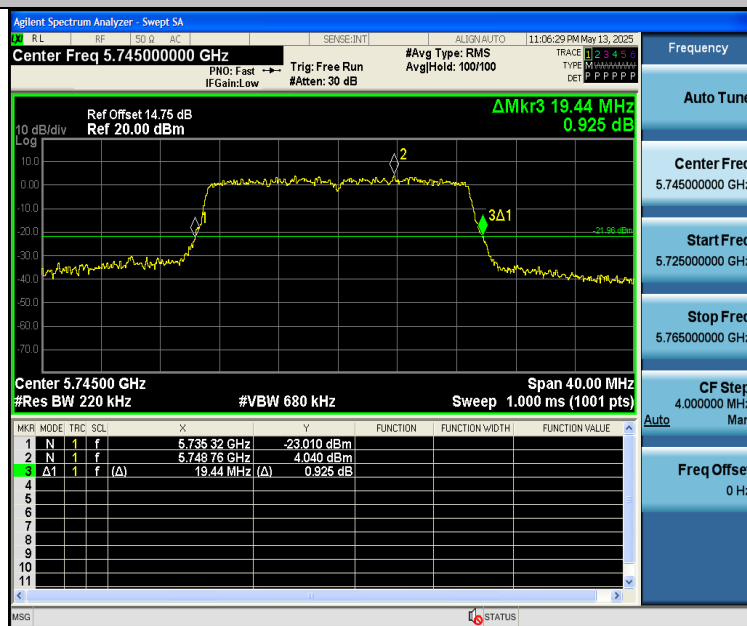
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11AC40SISO-Ant2-5190