



Ant2_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	47.53	35.26	5.42	31.75	56.46	68.23	-11.77	V
15690	44.49	36.88	7.32	30.96	57.73	68.23	-10.50	V
20920	45.36	39.14	8.85	35.25	58.10	68.23	-10.13	V
10460	48.93	34.21	5.42	31.75	56.81	68.23	-11.42	H
15690	44.69	37.52	7.32	30.96	58.57	68.23	-9.66	H
20920	45.35	39.88	8.85	35.25	58.83	68.23	-9.40	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	35.68	35.26	5.42	31.75	44.61	54	-9.39	V
15690	29.05	36.88	7.32	30.96	42.29	54	-11.71	V
20920	28.06	39.14	8.85	35.25	40.80	54	-13.20	V
10460	33.24	34.21	5.42	31.75	41.12	54	-12.88	H
15690	28.86	37.52	7.32	30.96	42.74	54	-11.26	H
20920	29.00	39.88	8.85	35.25	42.48	54	-11.52	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	2453.33	-39.49	≤-27	PASS
11A	Ant1	5180	5360~27000	25734.06	-33.87	≤-27	PASS
11A	Ant1	5200	30~5140	3900.14	-38.83	≤-27	PASS
11A	Ant1	5200	5360~27000	25708.81	-33.36	≤-27	PASS
11A	Ant1	5240	30~5140	3140.29	-39.45	≤-27	PASS
11A	Ant1	5240	5360~27000	25112.99	-32.77	≤-27	PASS
11A	Ant1	5745	30~5650	3041.2	-39.88	≤-27	PASS
11A	Ant1	5745	5925~27000	25742.53	-29.35	≤-27	PASS
11A	Ant1	5785	30~5650	3180.38	-39.25	≤-27	PASS
11A	Ant1	5785	5925~27000	25689.14	-28.83	≤-27	PASS
11A	Ant1	5825	30~5650	3193.31	-40.08	≤-27	PASS
11A	Ant1	5825	5925~27000	25630.83	-30.08	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	3219.83	-39.16	≤-27	PASS
11N20SISO	Ant1	5180	5360~27000	25739.11	-32.73	≤-27	PASS
11N20SISO	Ant1	5200	30~5140	5114.28	-39.27	≤-27	PASS
11N20SISO	Ant1	5200	5360~27000	25728.29	-32.59	≤-27	PASS
11N20SISO	Ant1	5240	30~5140	2461	-38.06	≤-27	PASS
11N20SISO	Ant1	5240	5360~27000	25187.29	-32.89	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	3337	-40.2	≤-27	PASS
11N20SISO	Ant1	5745	5925~27000	25218.46	-30.39	≤-27	PASS
11N20SISO	Ant1	5785	30~5650	3215.79	-39.82	≤-27	PASS
11N20SISO	Ant1	5785	5925~27000	25684.22	-29.02	≤-27	PASS
11N20SISO	Ant1	5825	30~5650	3280.05	-39.74	≤-27	PASS
11N20SISO	Ant1	5825	5925~27000	25687.03	-28.95	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5136.59	-37.77	≤-27	PASS
11N40SISO	Ant1	5190	5360~27000	25682.85	-32.92	≤-27	PASS
11N40SISO	Ant1	5230	30~5140	3178.1	-38.73	≤-27	PASS
11N40SISO	Ant1	5230	5360~27000	25718.19	-32.09	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	3197.06	-40.57	≤-27	PASS
11N40SISO	Ant1	5755	5925~27000	25776.95	-30.1	≤-27	PASS
11N40SISO	Ant1	5795	30~5650	3264.5	-39.77	≤-27	PASS
11N40SISO	Ant1	5795	5925~27000	25684.92	-29.28	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	3121.21	-39.53	≤-27	PASS
11AC20SISO	Ant1	5180	5360~27000	25706.65	-32.65	≤-27	PASS
11AC20SISO	Ant1	5200	30~5140	3354.4	-39.1	≤-27	PASS
11AC20SISO	Ant1	5200	5360~27000	25690.06	-32.68	≤-27	PASS
11AC20SISO	Ant1	5240	30~5140	2951.56	-39.16	≤-27	PASS
11AC20SISO	Ant1	5240	5360~27000	25814.85	-32.81	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	3185.82	-40.23	≤-27	PASS
11AC20SISO	Ant1	5745	5925~27000	25142.59	-30.23	≤-27	PASS
11AC20SISO	Ant1	5785	30~5650	3299.53	-40.21	≤-27	PASS
11AC20SISO	Ant1	5785	5925~27000	25751.66	-29.02	≤-27	PASS
11AC20SISO	Ant1	5825	30~5650	3207.17	-39.77	≤-27	PASS
11AC20SISO	Ant1	5825	5925~27000	25677.9	-28.55	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	3216.09	-39.42	≤-27	PASS
11AC40SISO	Ant1	5190	5360~27000	25706.65	-33.33	≤-27	PASS
11AC40SISO	Ant1	5230	30~5140	3254.75	-39.07	≤-27	PASS
11AC40SISO	Ant1	5230	5360~27000	25713.86	-33.35	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	2693.88	-40.53	≤-27	PASS
11AC40SISO	Ant1	5755	5925~27000	25666.66	-29.83	≤-27	PASS
11AC40SISO	Ant1	5795	30~5650	3031.08	-39.35	≤-27	PASS
11AC40SISO	Ant1	5795	5925~27000	25758.68	-30.06	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5125.35	-38.02	≤-27	PASS



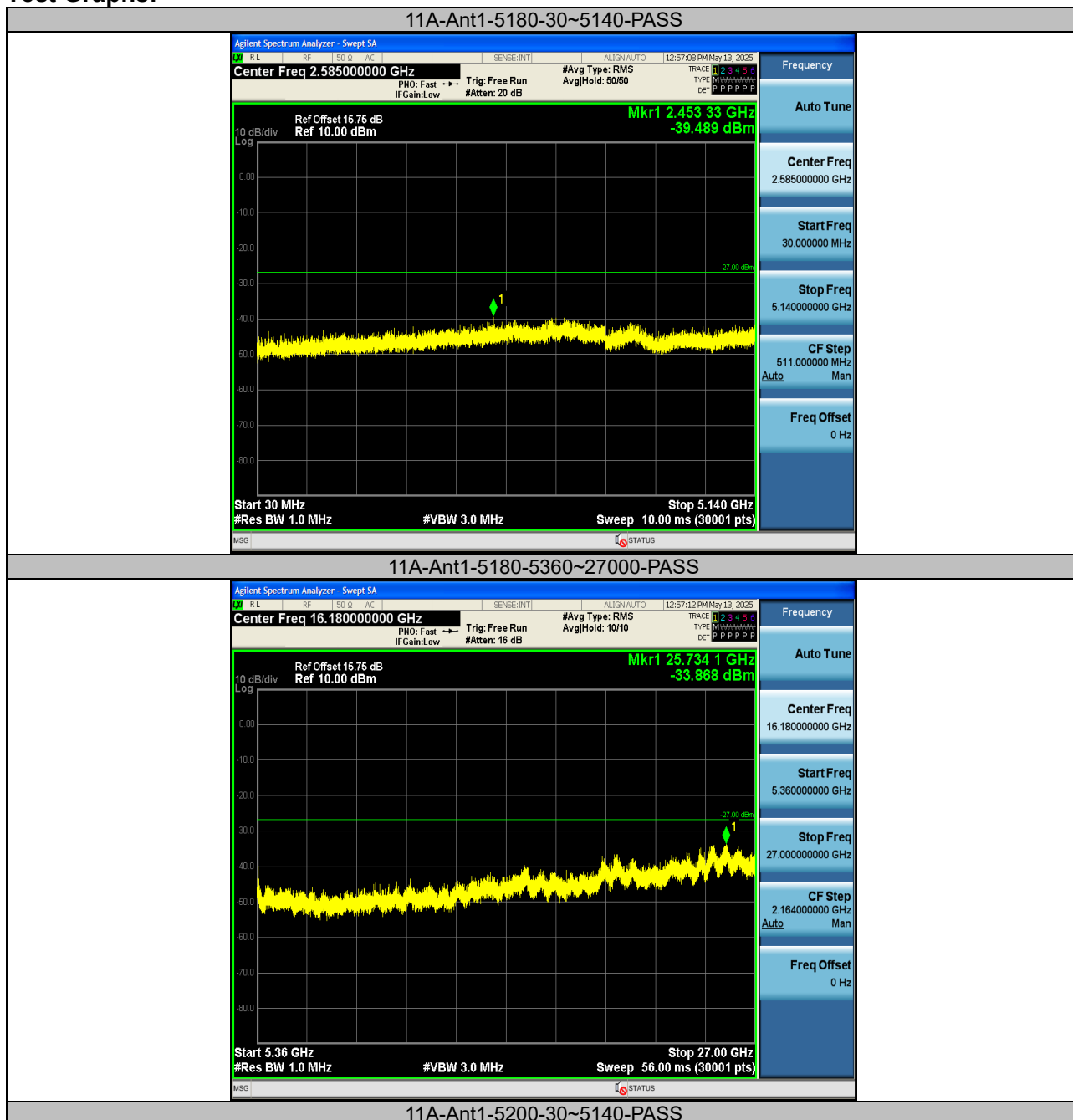
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11A	Ant2	5200	30~5140	3180.14	-38.29	≤-27	PASS
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11A	Ant2	5240	5360~27000	25749.21	-32.36	≤-27	PASS
11A	Ant2	5745	30~5650	2655.66	-40.71	≤-27	PASS
11A	Ant2	5745	5925~27000	25658.93	-30.01	≤-27	PASS
11A	Ant2	5785	30~5650	3085.59	-40.23	≤-27	PASS
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11A	Ant2	5825	5925~27000	25238.13	-29.77	≤-27	PASS
11N20SISO	Ant2	5180	30~5140	3169.41	-39.56	≤-27	PASS
11N20SISO	Ant2	5180	5360~27000	25778.06	-33.53	≤-27	PASS
11N20SISO	Ant2	5200	30~5140	3145.57	-39.75	≤-27	PASS
11N20SISO	Ant2	5200	5360~27000	25172.14	-32.45	≤-27	PASS
11N20SISO	Ant2	5240	30~5140	3186.45	-38.16	≤-27	PASS
11N20SISO	Ant2	5240	5360~27000	25700.16	-32.01	≤-27	PASS
11N20SISO	Ant2	5745	30~5650	3028.08	-39.71	≤-27	PASS
11N20SISO	Ant2	5745	5925~27000	26293.99	-30.68	≤-27	PASS
11N20SISO	Ant2	5785	30~5650	5630.33	-39.84	≤-27	PASS
11N20SISO	Ant2	5785	5925~27000	25702.48	-29.52	≤-27	PASS
11N20SISO	Ant2	5825	30~5650	2840.56	-40.3	≤-27	PASS
11N20SISO	Ant2	5825	5925~27000	25078.66	-29.85	≤-27	PASS
11N40SISO	Ant2	5190	30~5140	5139.83	-38.81	≤-27	PASS
11N40SISO	Ant2	5190	5360~27000	25766.52	-33.29	≤-27	PASS
11N40SISO	Ant2	5230	30~5140	3075.9	-39.4	≤-27	PASS
11N40SISO	Ant2	5230	5360~27000	25769.41	-32.14	≤-27	PASS
11N40SISO	Ant2	5755	30~5650	3183.19	-40.65	≤-27	PASS
11N40SISO	Ant2	5755	5925~27000	25736.2	-29.01	≤-27	PASS
11N40SISO	Ant2	5795	30~5650	3062.55	-39.92	≤-27	PASS
11N40SISO	Ant2	5795	5925~27000	25717.94	-28.71	≤-27	PASS
11AC20SISO	Ant2	5180	30~5140	3167.37	-38.7	≤-27	PASS
11AC20SISO	Ant2	5180	5360~27000	25710.26	-31.05	≤-27	PASS
11AC20SISO	Ant2	5200	30~5140	3036.55	-38.96	≤-27	PASS
11AC20SISO	Ant2	5200	5360~27000	25822.06	-33.33	≤-27	PASS
11AC20SISO	Ant2	5240	30~5140	3314.37	-38.99	≤-27	PASS
11AC20SISO	Ant2	5240	5360~27000	26264.24	-32.76	≤-27	PASS
11AC20SISO	Ant2	5745	30~5650	3070.42	-40.04	≤-27	PASS
11AC20SISO	Ant2	5745	5925~27000	26280.64	-30.24	≤-27	PASS
11AC20SISO	Ant2	5785	30~5650	3020.03	-40.02	≤-27	PASS
11AC20SISO	Ant2	5785	5925~27000	25690.54	-30.29	≤-27	PASS
11AC20SISO	Ant2	5825	30~5650	3921.29	-40.55	≤-27	PASS
11AC20SISO	Ant2	5825	5925~27000	25805.05	-29.2	≤-27	PASS
11AC40SISO	Ant2	5190	30~5140	3074.2	-39.05	≤-27	PASS
11AC40SISO	Ant2	5190	5360~27000	25707.37	-32.78	≤-27	PASS
11AC40SISO	Ant2	5230	30~5140	3172.99	-39.01	≤-27	PASS
11AC40SISO	Ant2	5230	5360~27000	25770.13	-31.38	≤-27	PASS
11AC40SISO	Ant2	5755	30~5650	3181.13	-40.22	≤-27	PASS
11AC40SISO	Ant2	5755	5925~27000	25213.54	-30.28	≤-27	PASS
11AC40SISO	Ant2	5795	30~5650	3195.18	-39.55	≤-27	PASS
11AC40SISO	Ant2	5795	5925~27000	25679.3	-29.6	≤-27	PASS
11AC80SISO	Ant2	5210	30~5140	5133.87	-38.18	≤-27	PASS



11AC80SISO	Ant2	5210	5360~27000	25736.22	-33.23	≤-27	PASS
11AC80SISO	Ant2	5775	30~5650	2664.47	-40.3	≤-27	PASS
11AC80SISO	Ant2	5775	5925~27000	25710.91	-30.37	≤-27	PASS

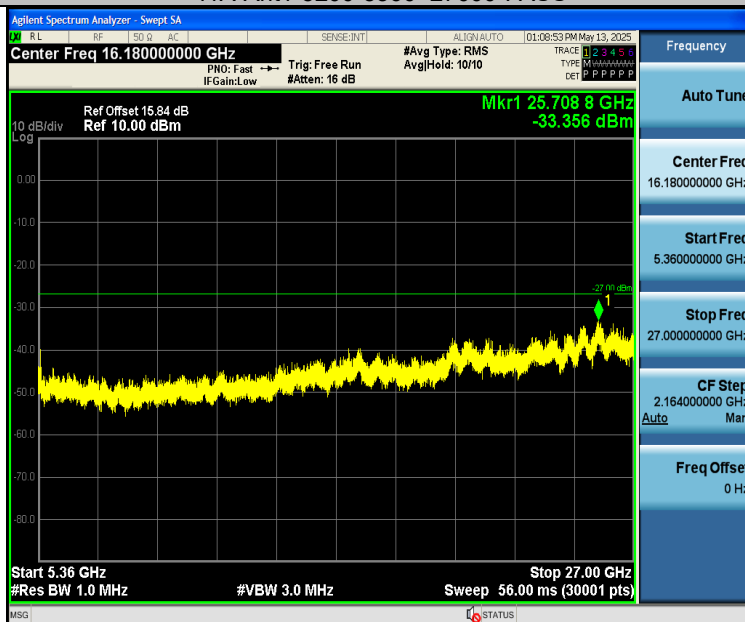
Note: 27~40GHz at least have 20dB margin. No recording in the test report.

Test Graphs:

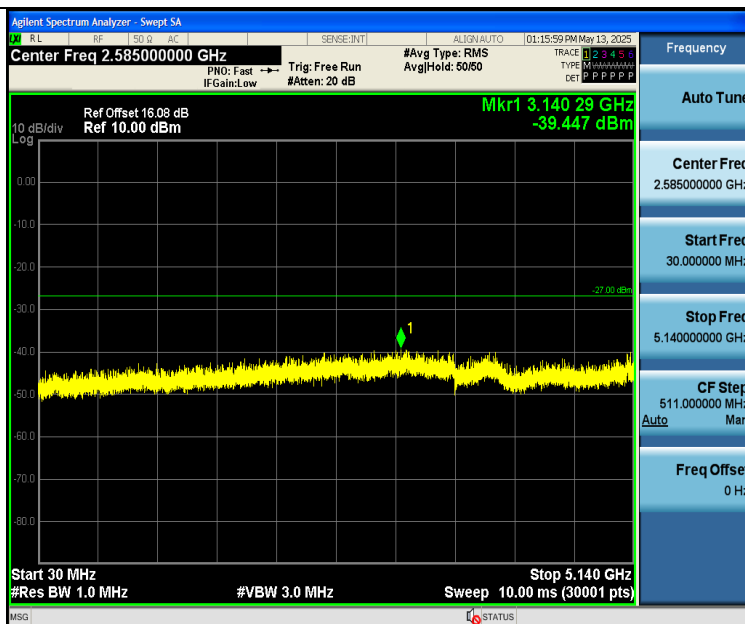




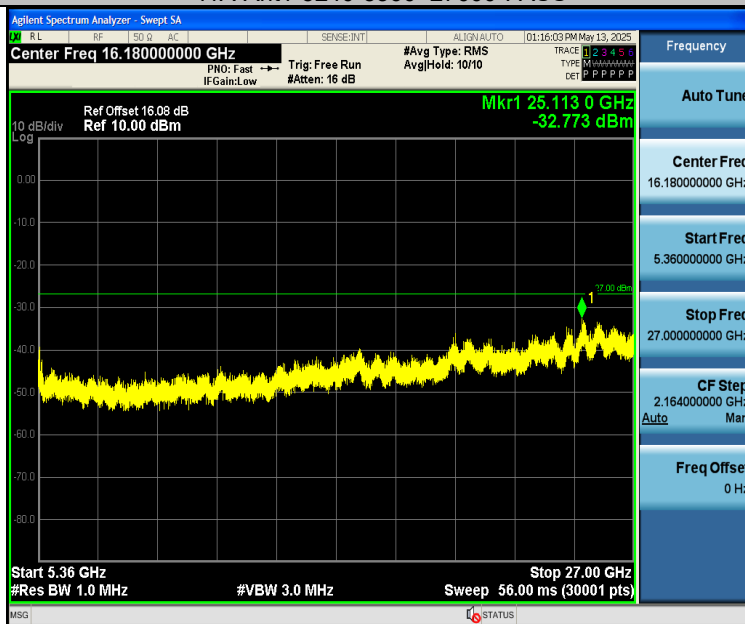
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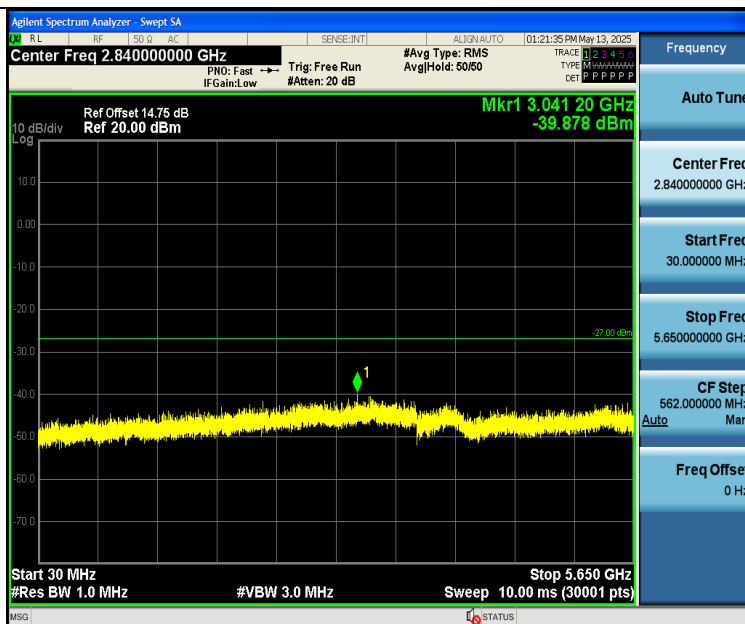
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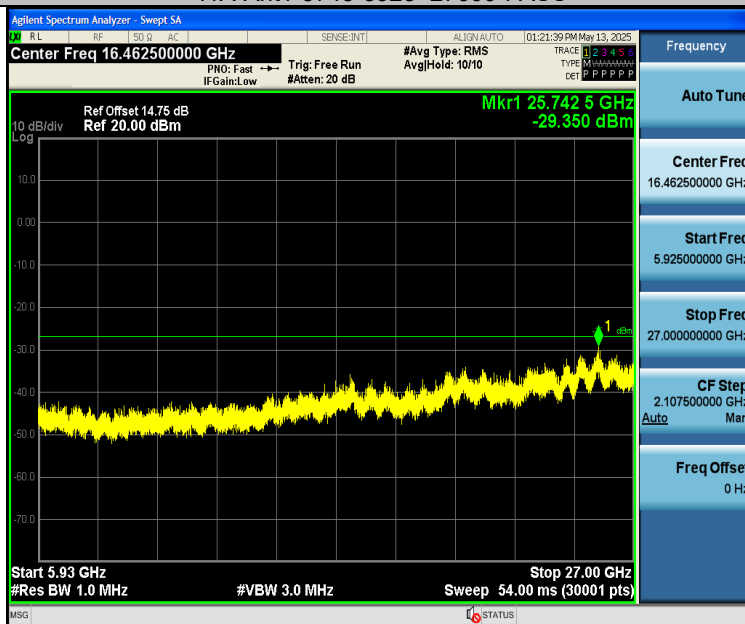
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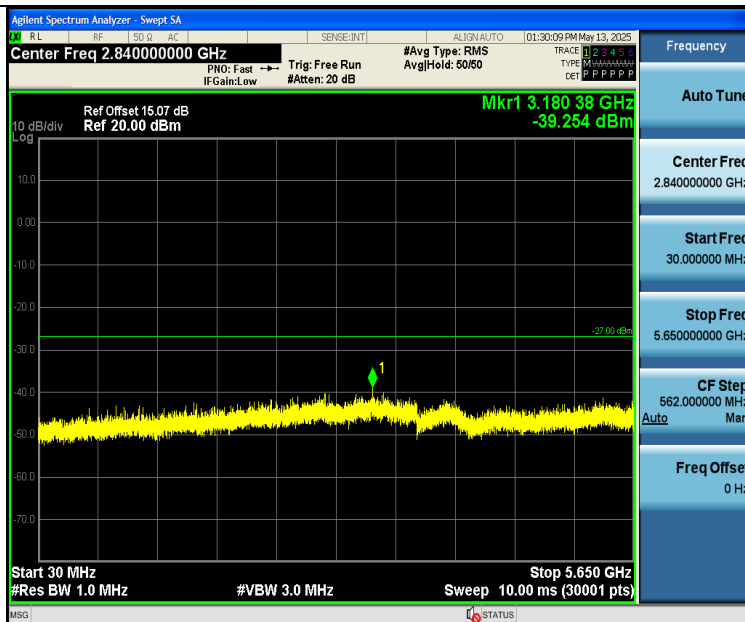
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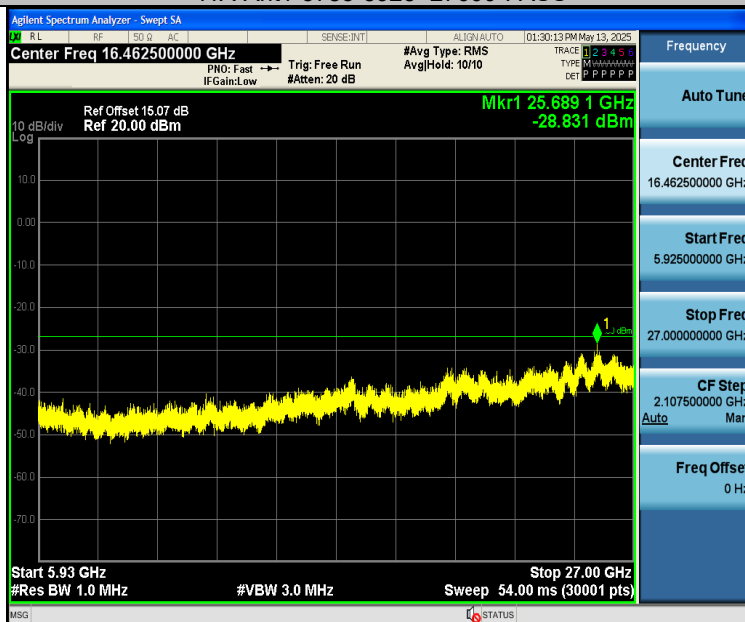
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11A-Ant1-5785-30~5650-PASS



11A-Ant1-5785-5925~27000-PASS



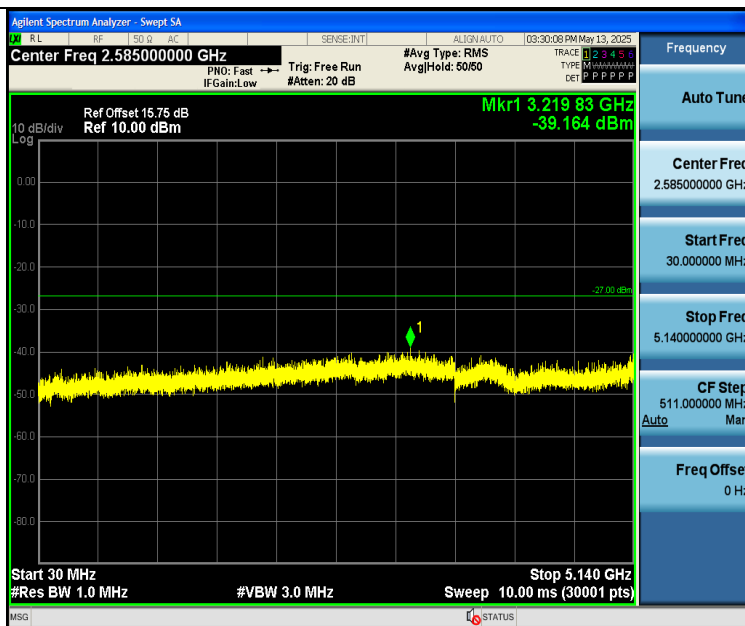
11A-Ant1-5825-30~5650-PASS



11A-Ant1-5825-5925~27000-PASS



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



11N20SISO-Ant1-5180-5360~27000-PASS



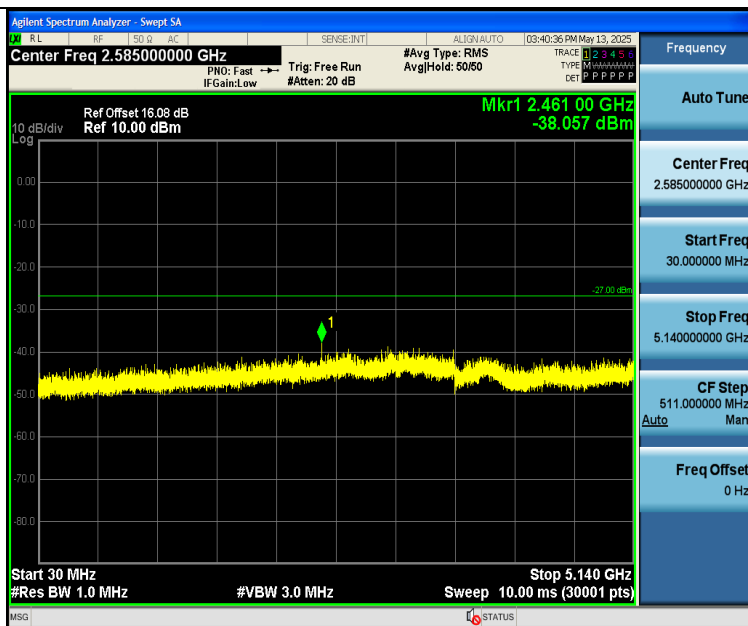
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11N20SISO-Ant1-5200-5360~27000-PASS



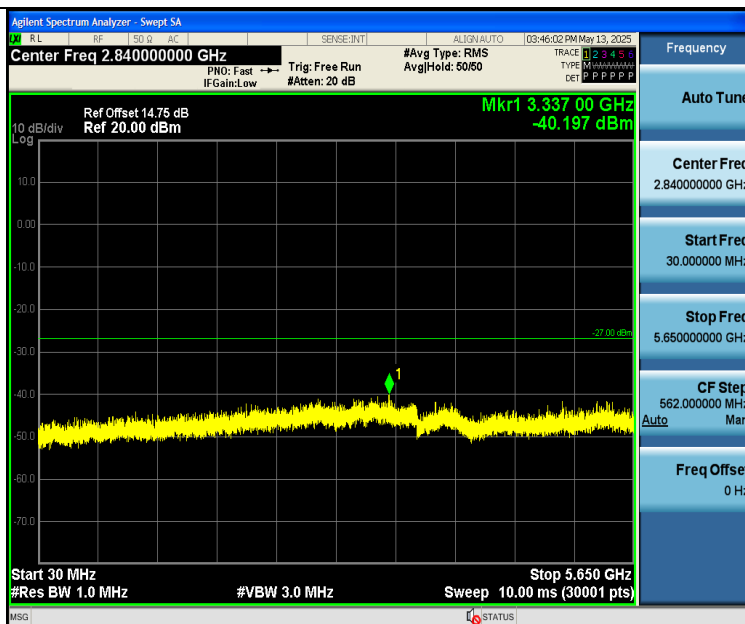
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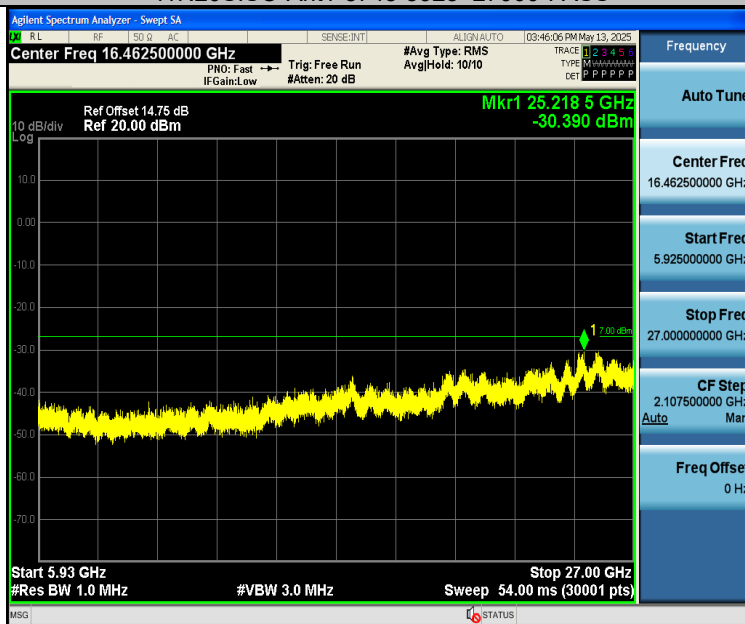
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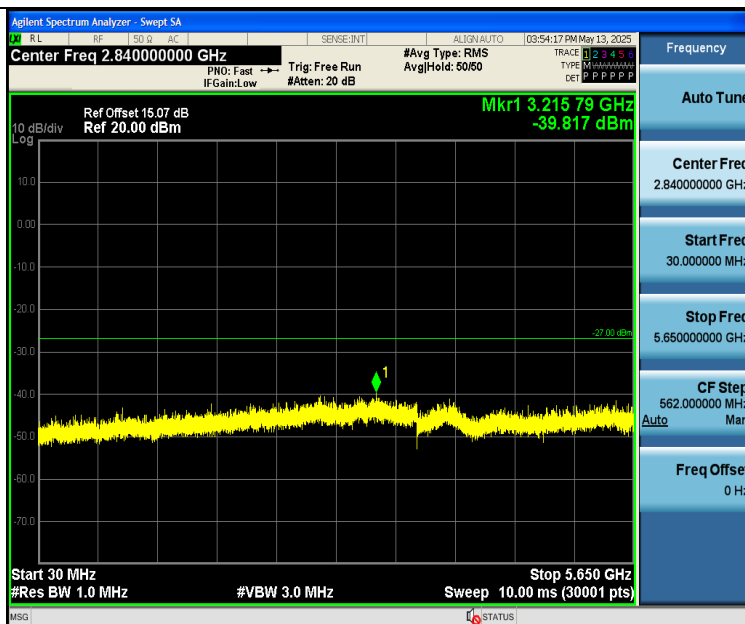
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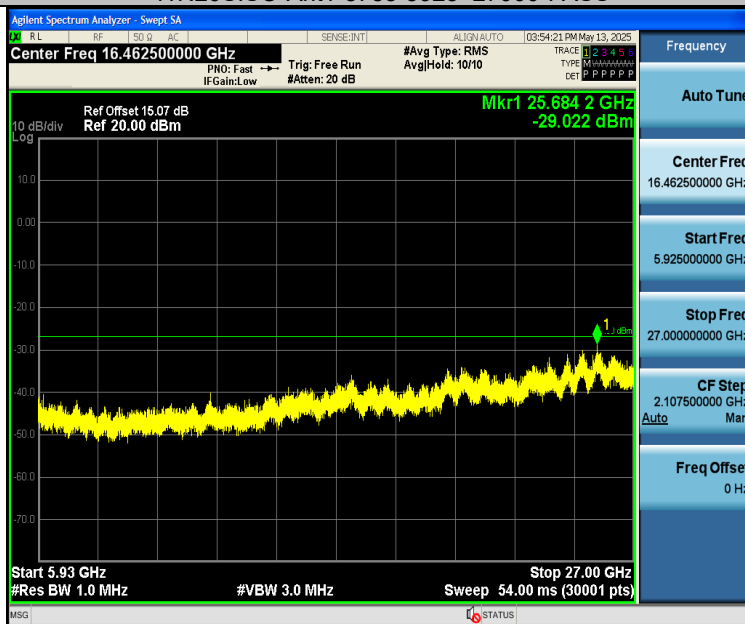
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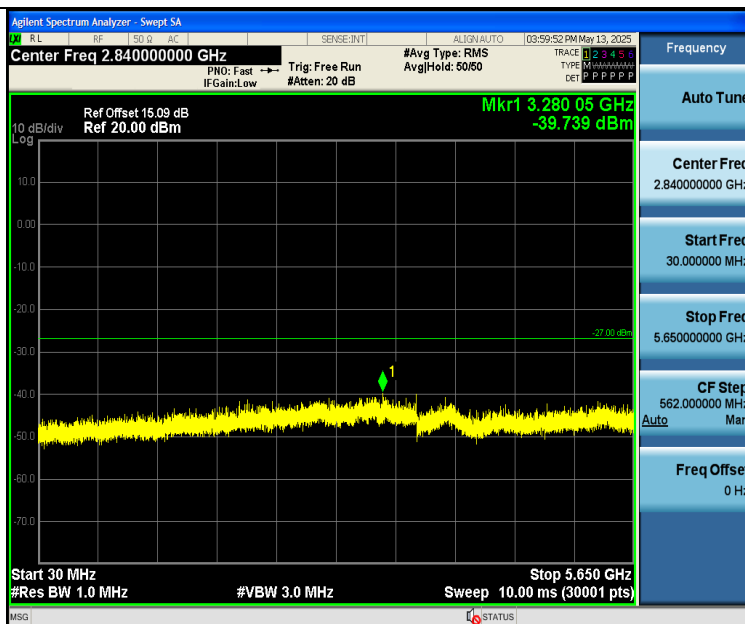
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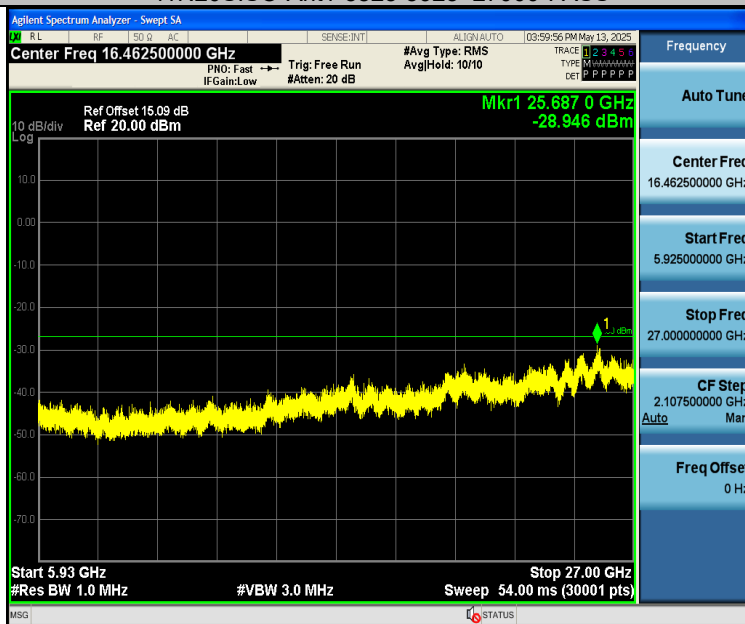
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11N20SISO-Ant1-5825-30~5650-PASS



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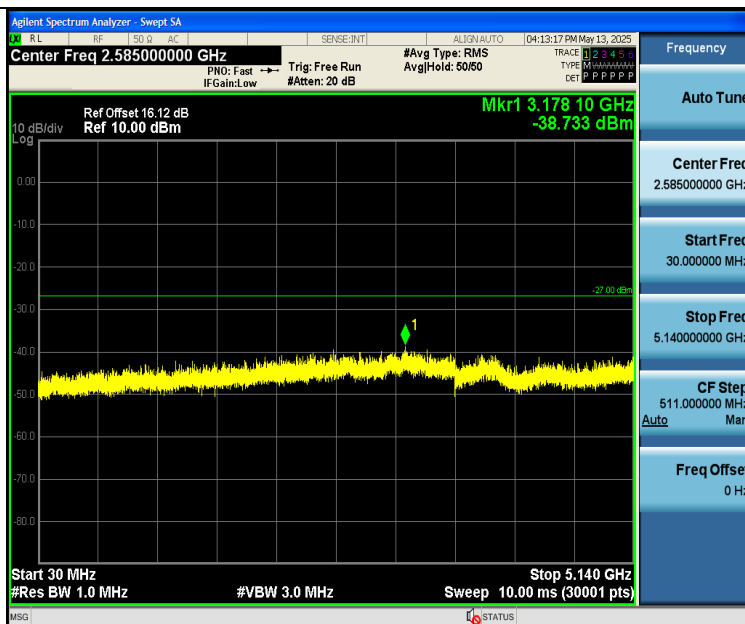
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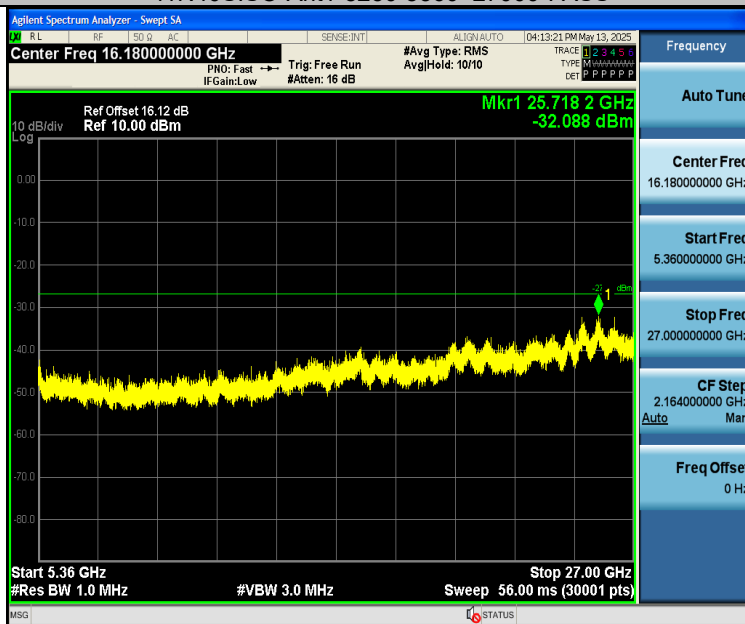
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11N40SISO-Ant1-5230-30~5140-PASS



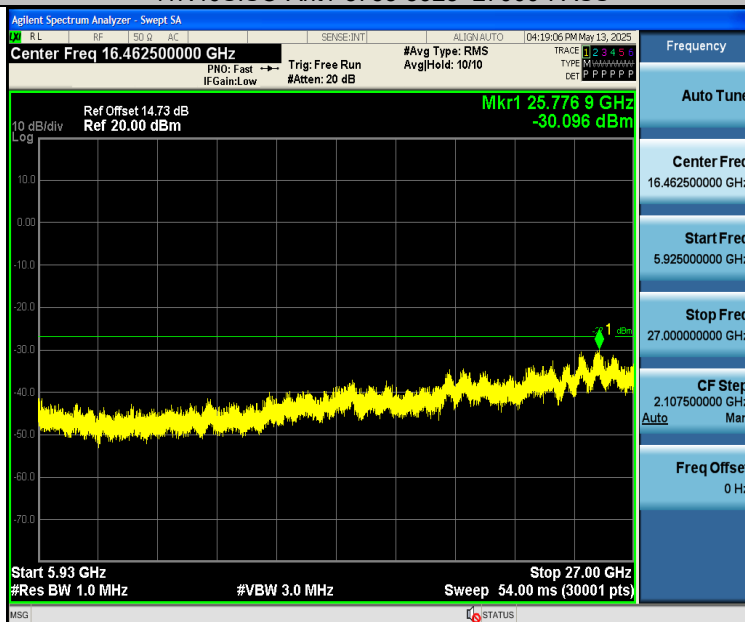
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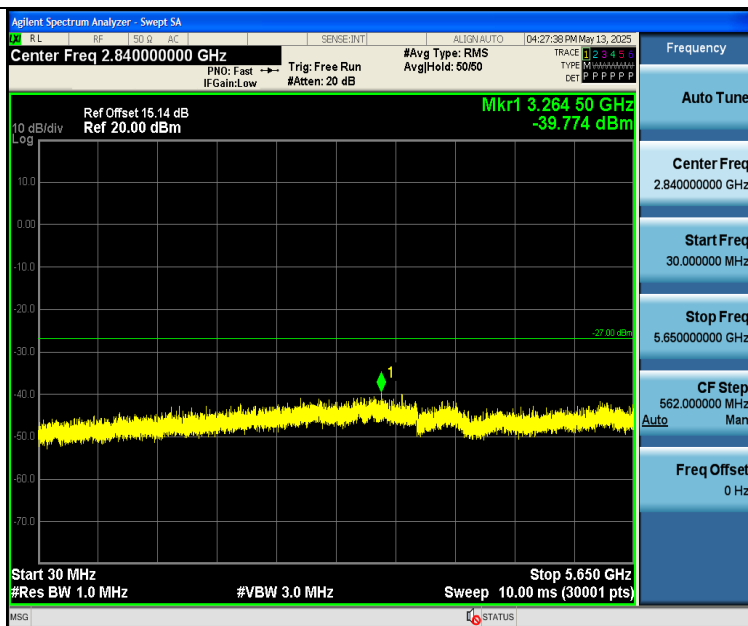
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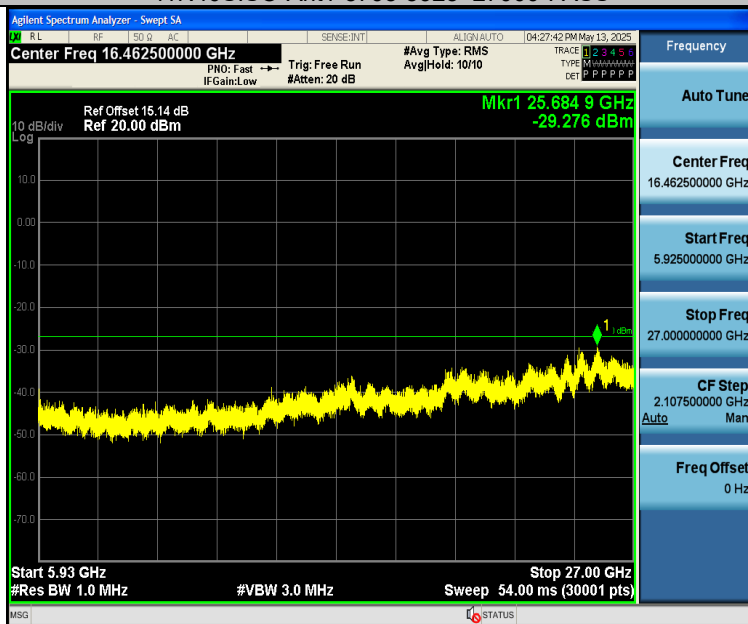
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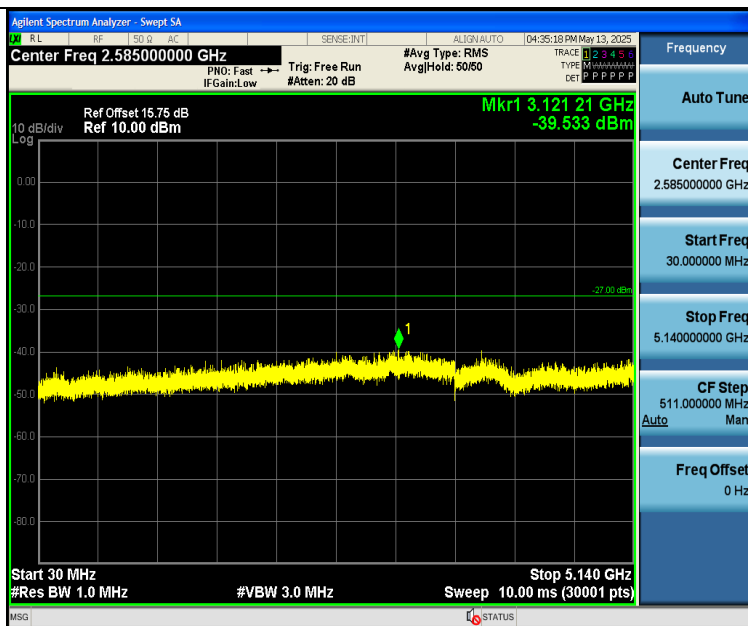
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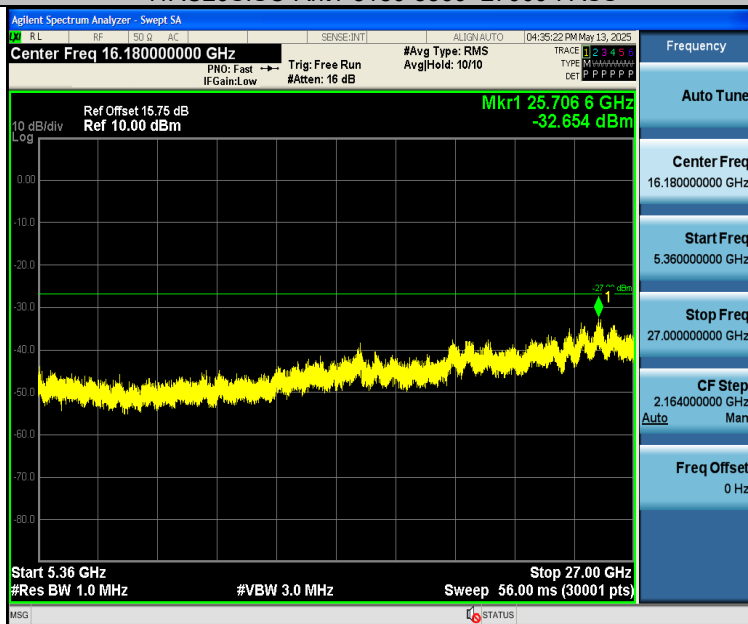
11N40SISO-Ant1-5795-5925~27000-PASS



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



11AC20SISO-Ant1-5180-5360~27000-PASS



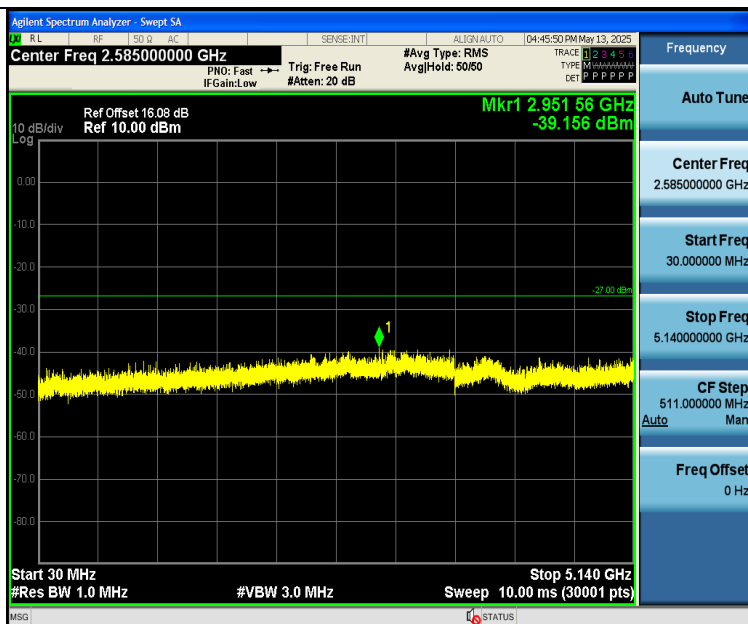
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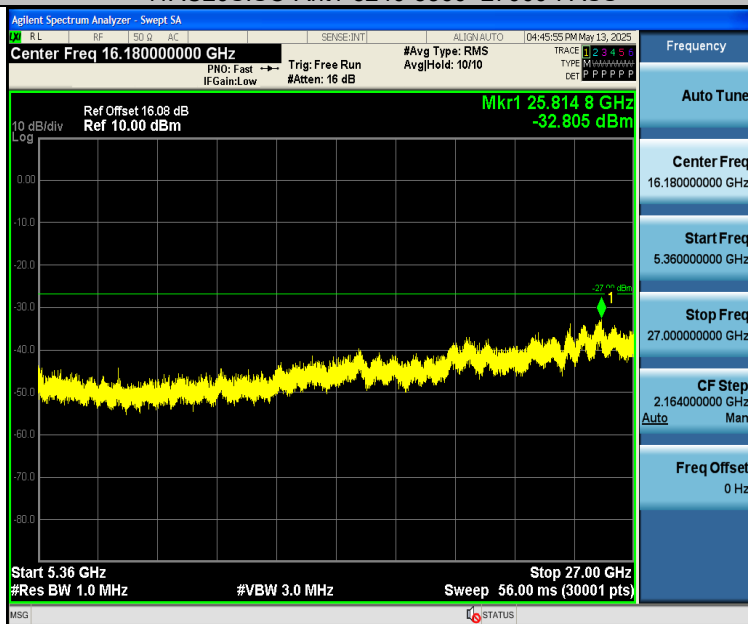
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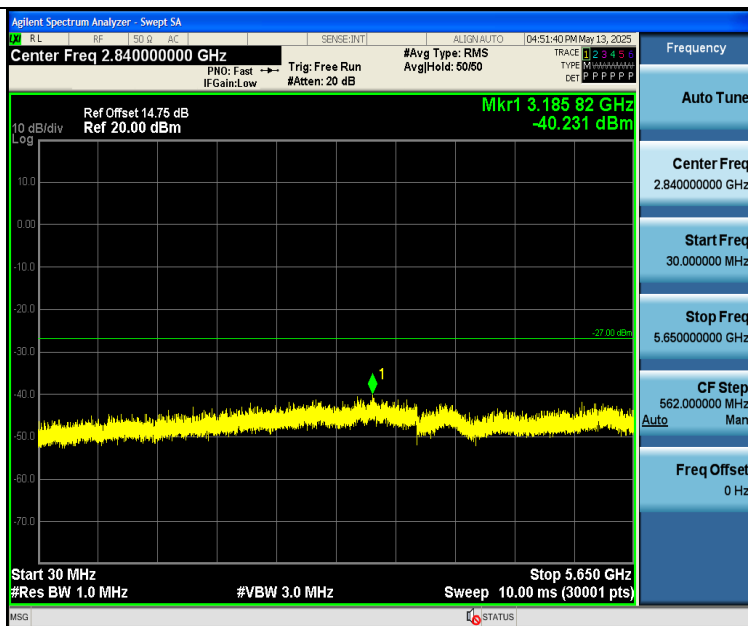
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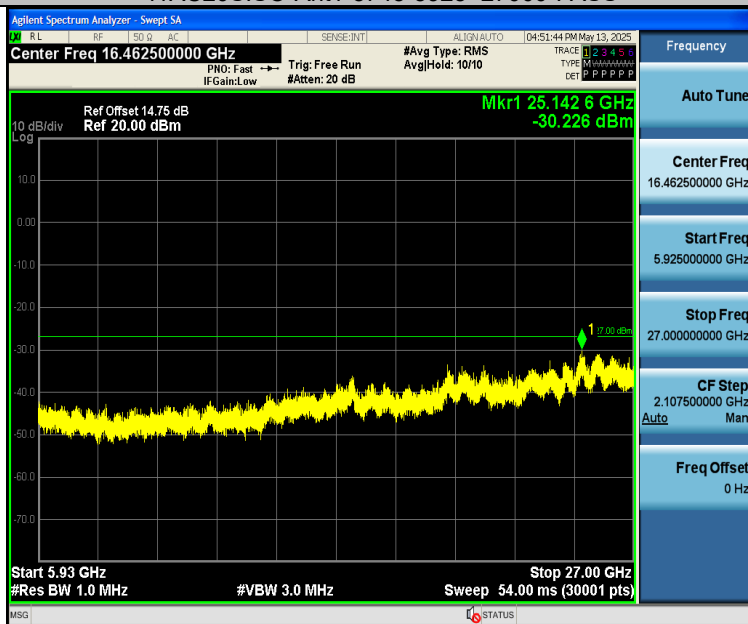
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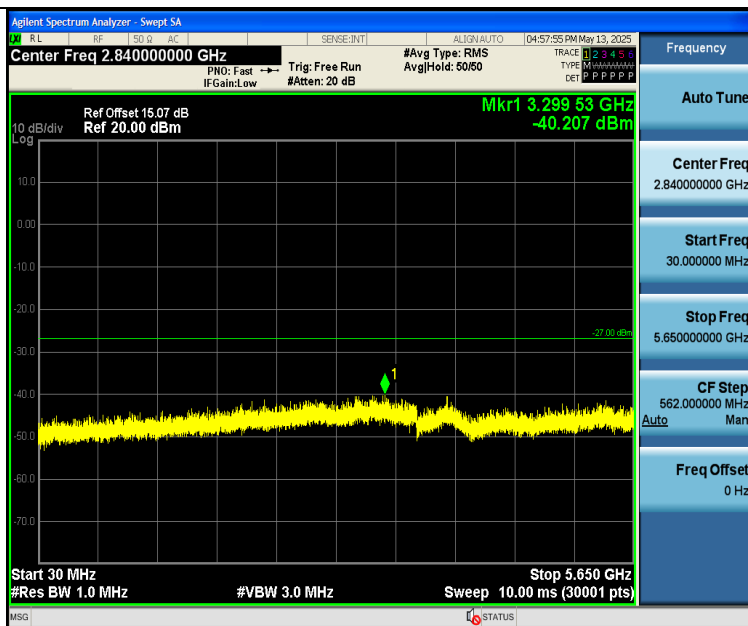
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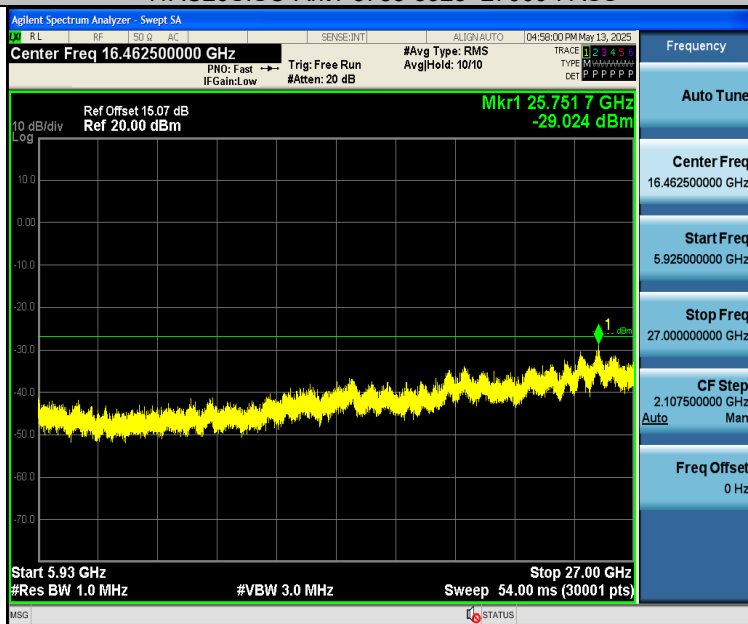
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11AC20SISO-Ant1-5785-30~5650-PASS



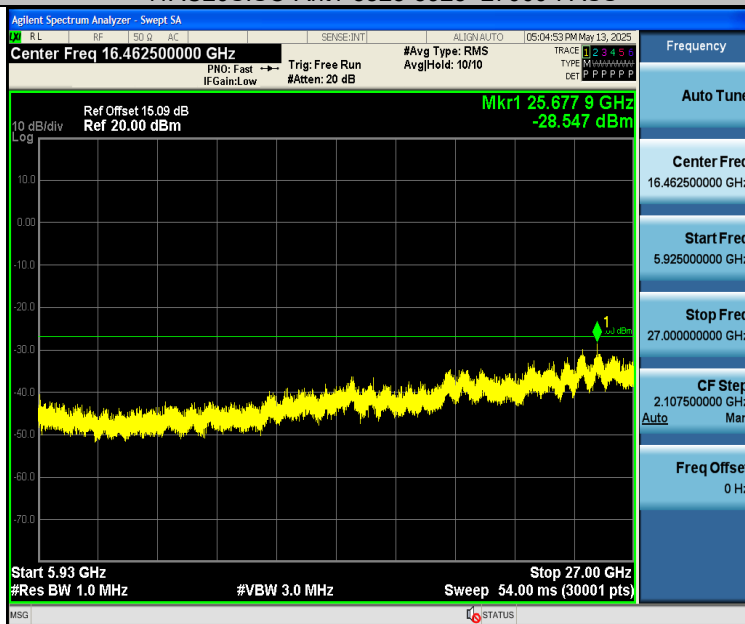
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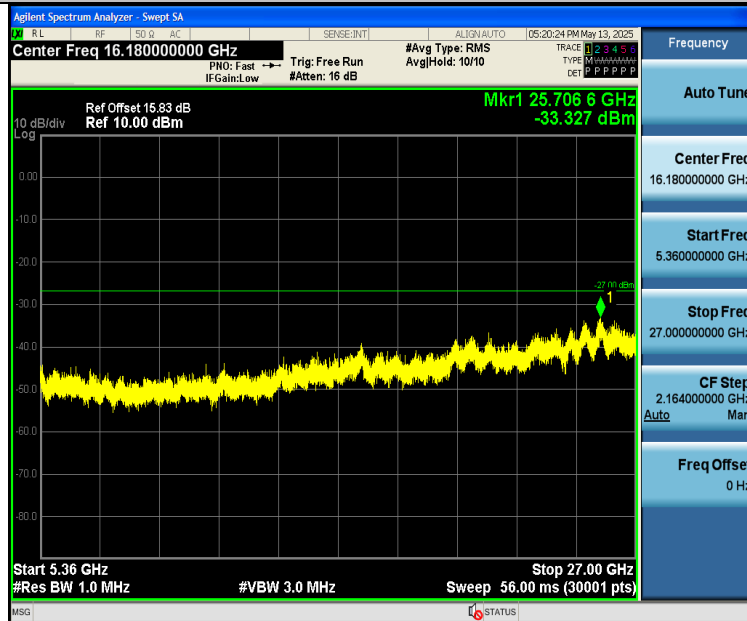
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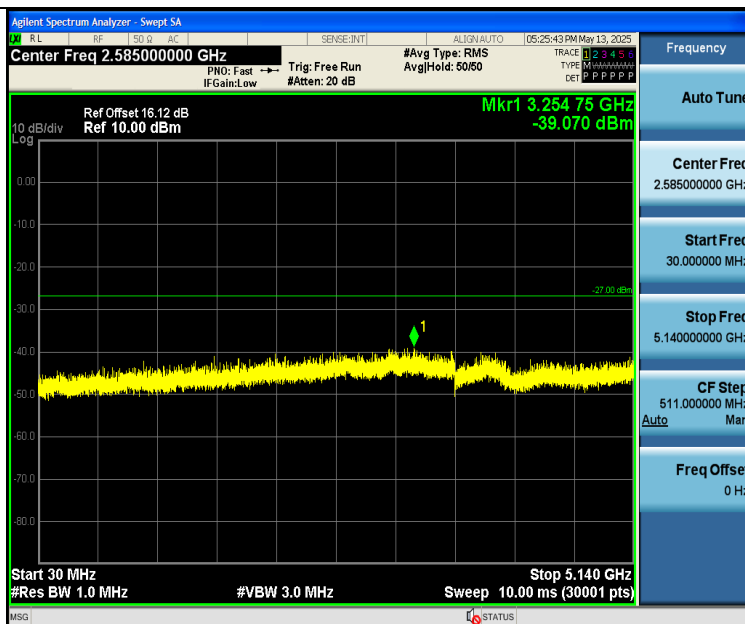
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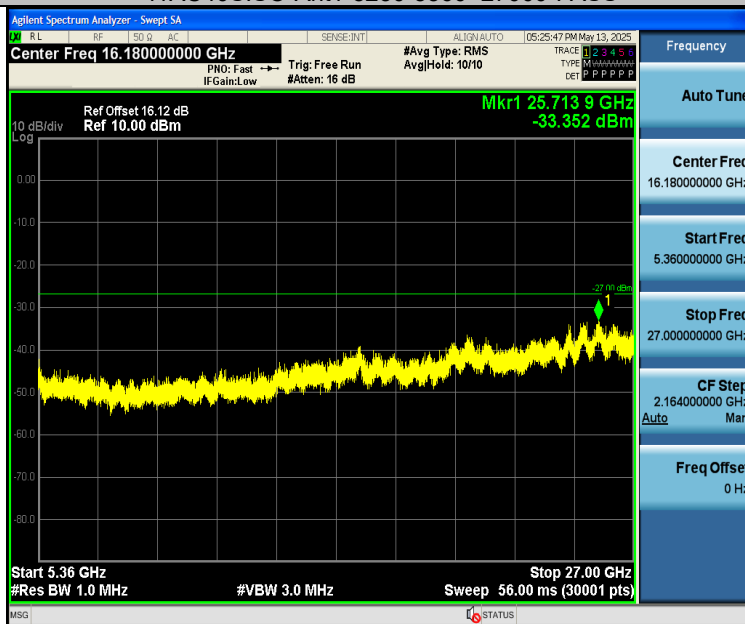
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11AC40SISO-Ant1-5230-30~5140-PASS



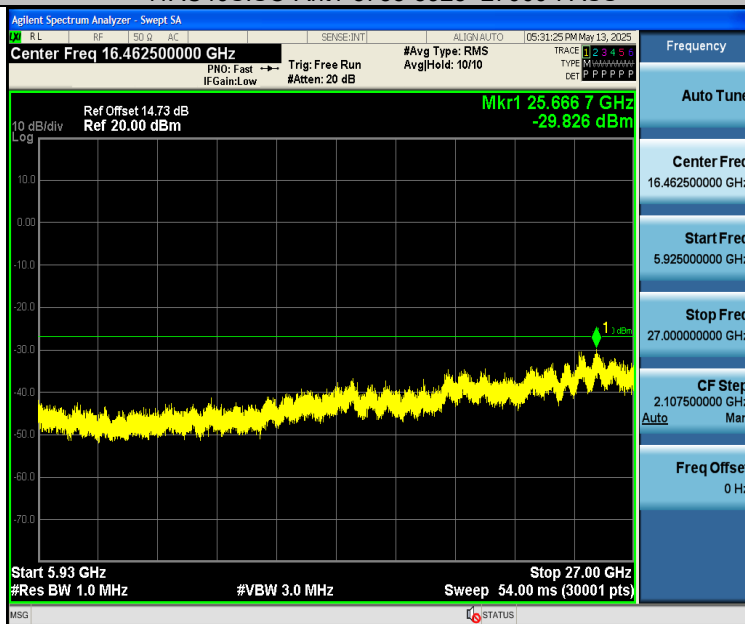
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11AC40SISO-Ant1-5755-30~5650-PASS



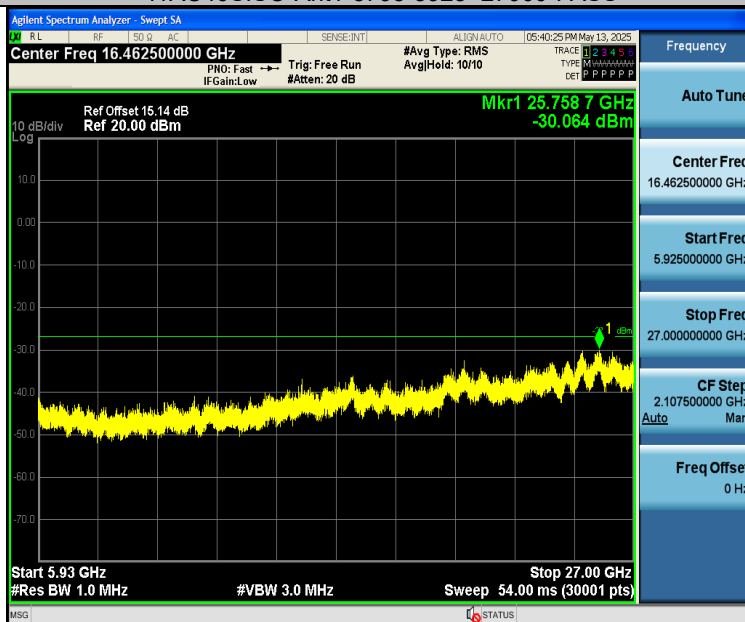
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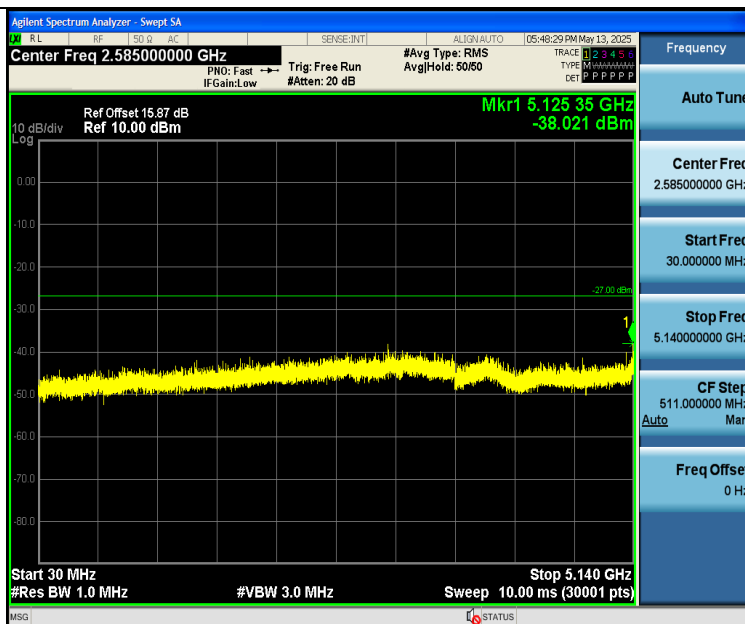
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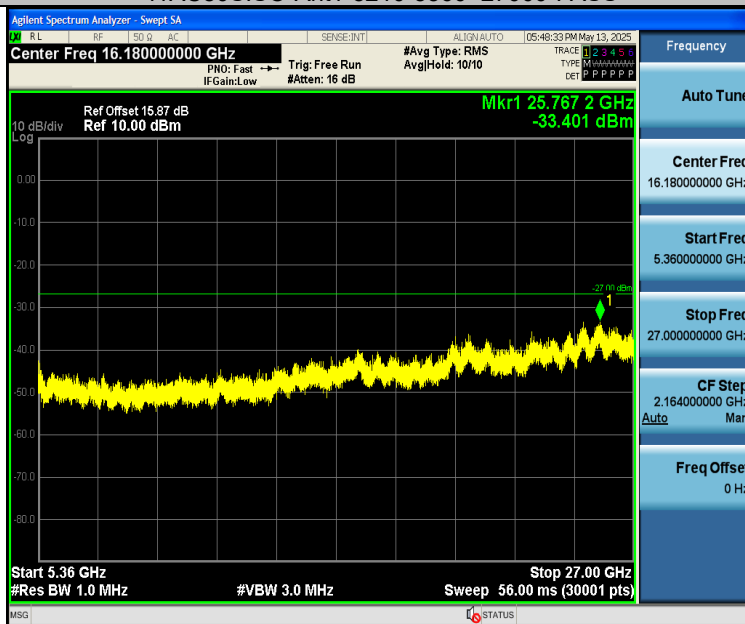
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11AC80SISO-Ant1-5210-30~5140-PASS



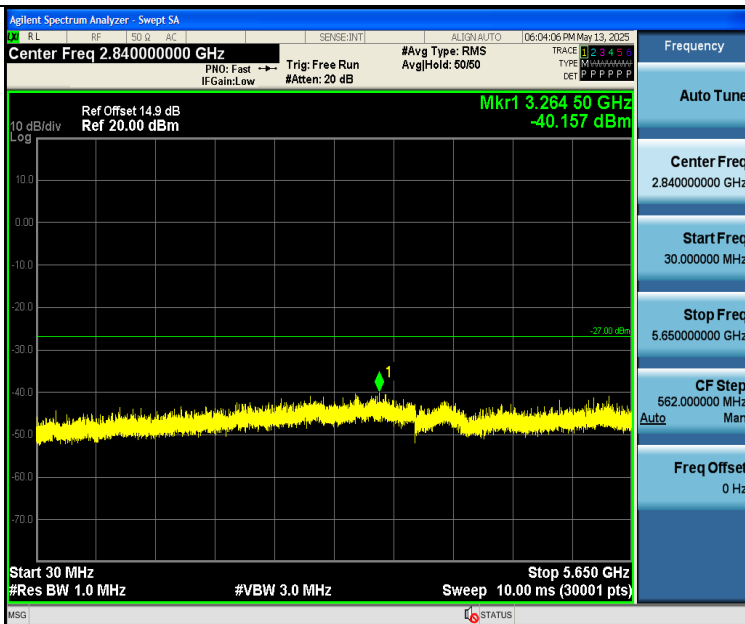
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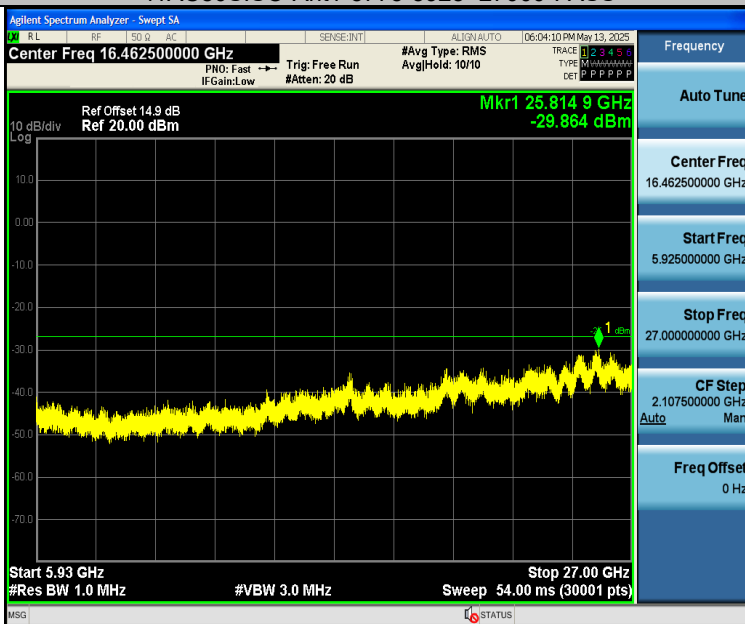
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11AC80SISO-Ant1-5775-5925~27000-PASS



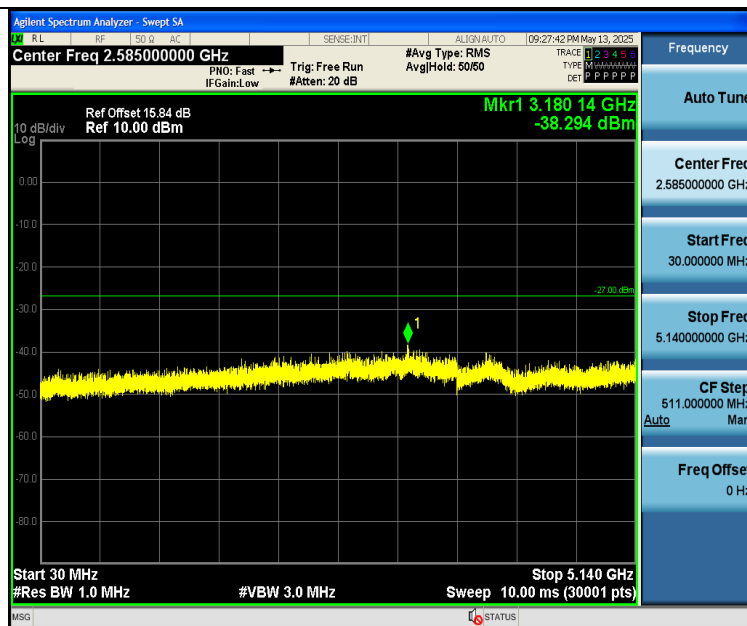
11A-Ant2-5180-30~5140-PASS



11A-Ant2-5180-5360~27000-PASS



11A-Ant2-5200-30~5140-PASS



11A-Ant2-5200-5360~27000-PASS



11A-Ant2-5240-30~5140-PASS



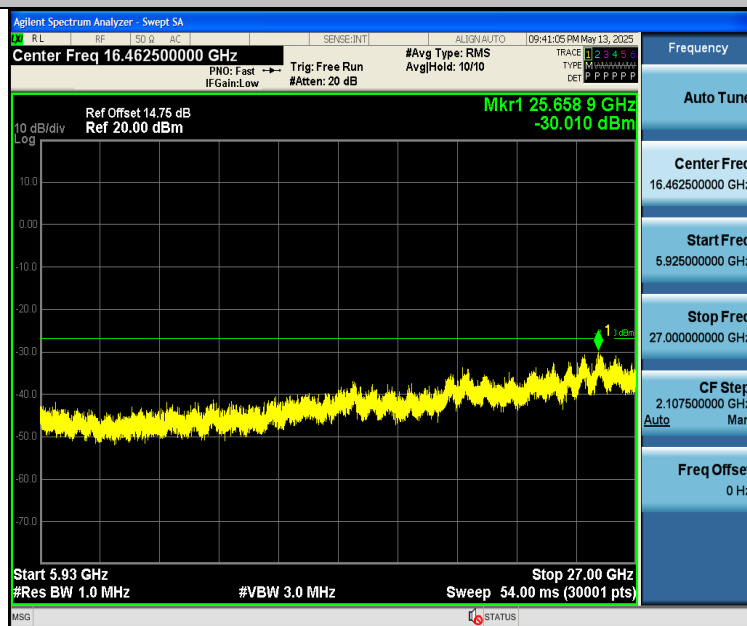
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11A-Ant2-5745-30~5650-PASS



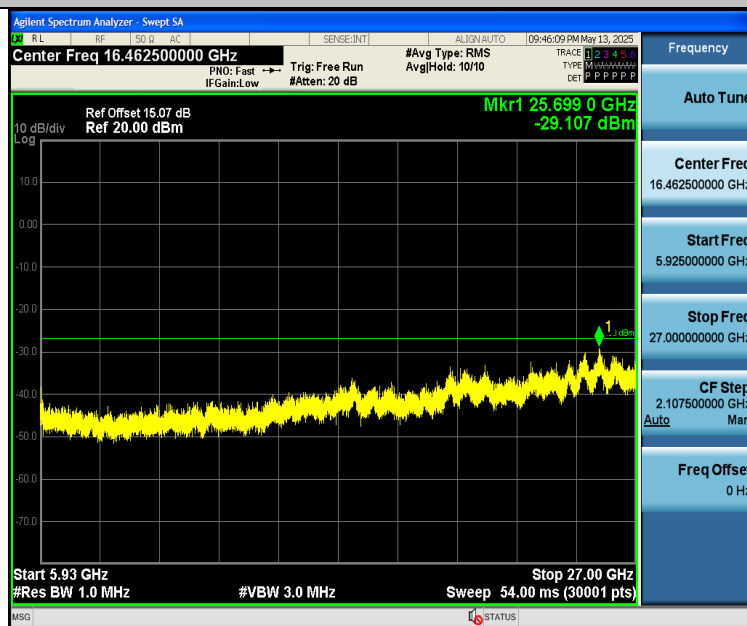
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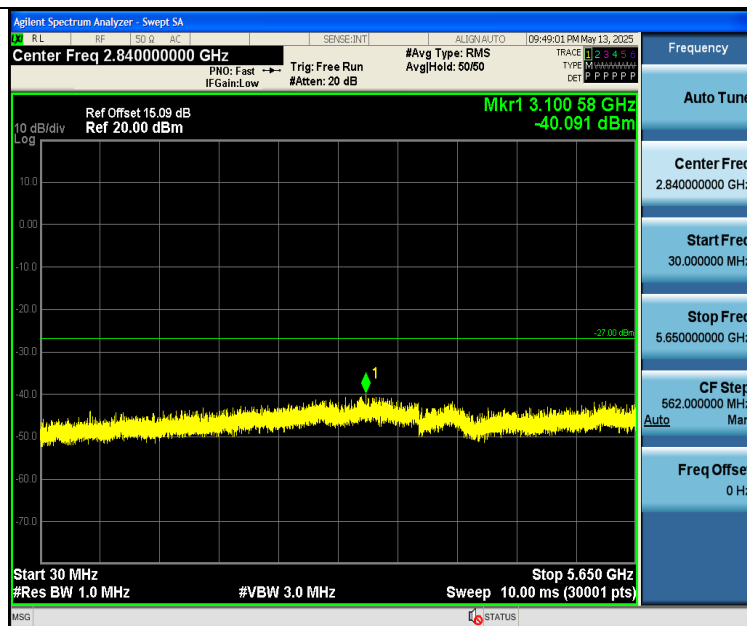
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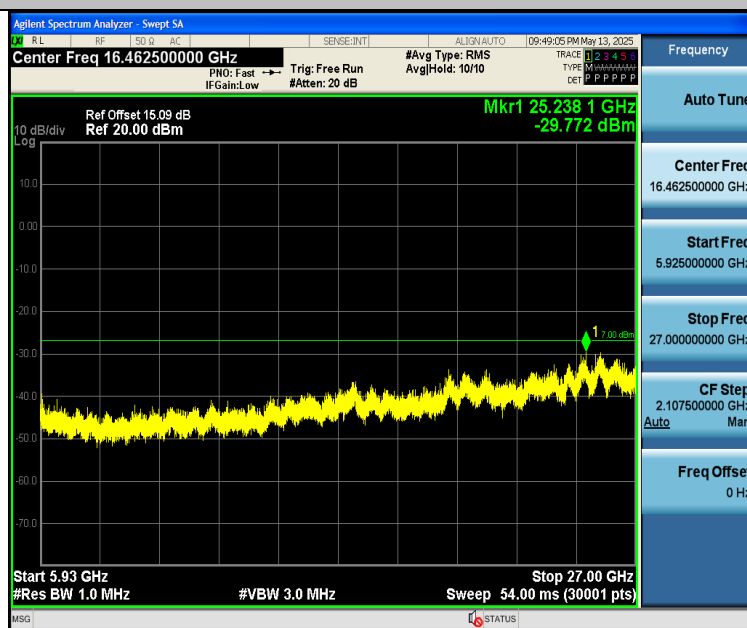
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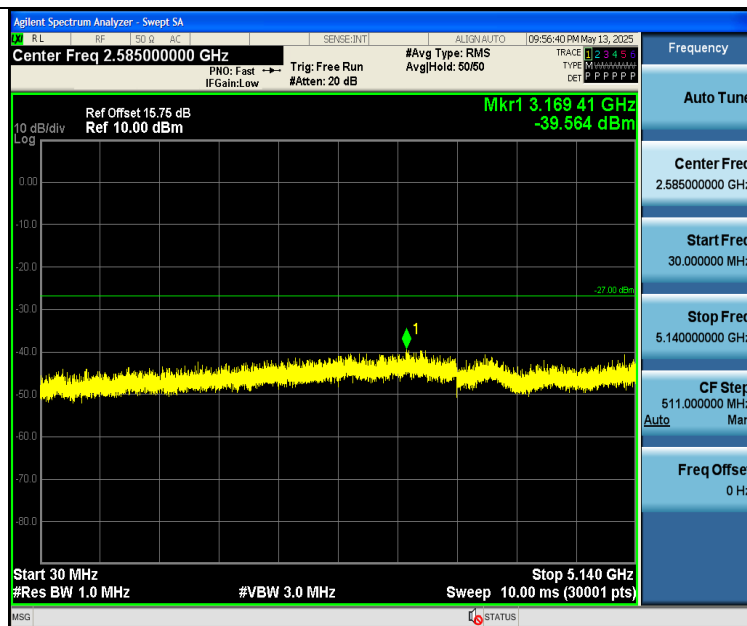
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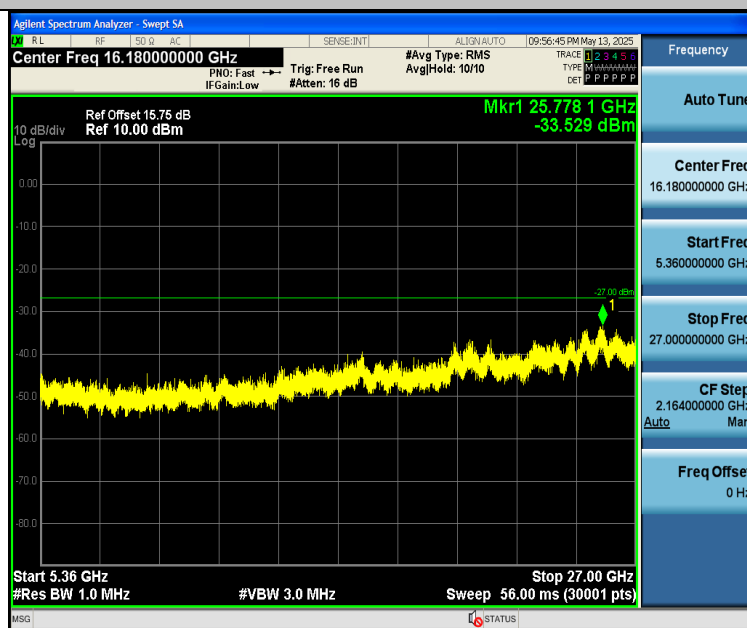
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11N20SISO-Ant2-5180-30~5140-PASS



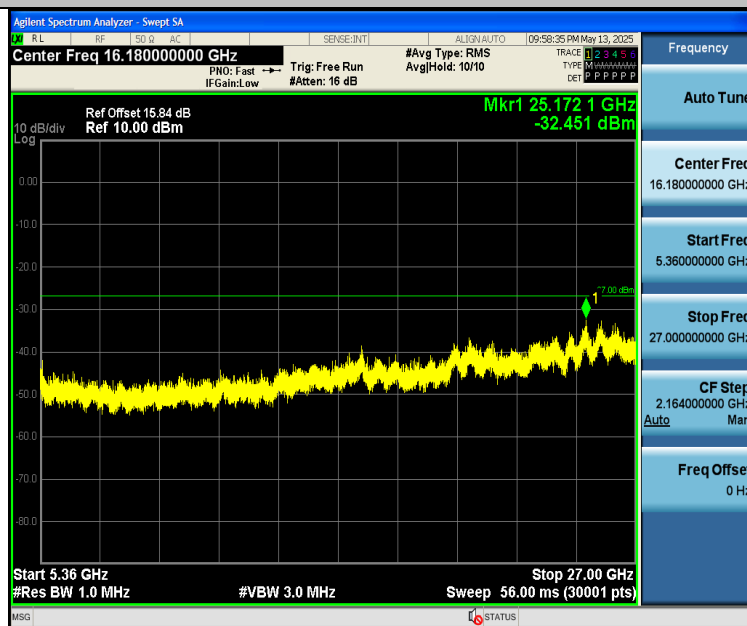
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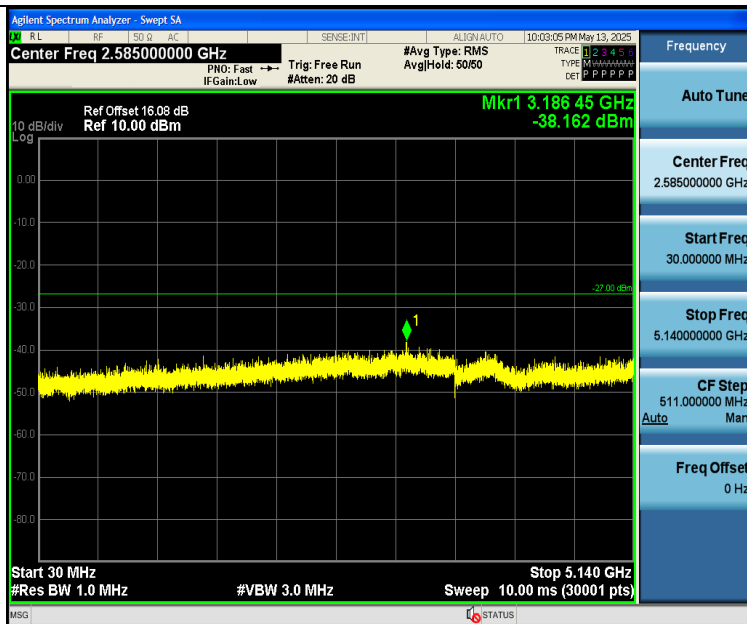
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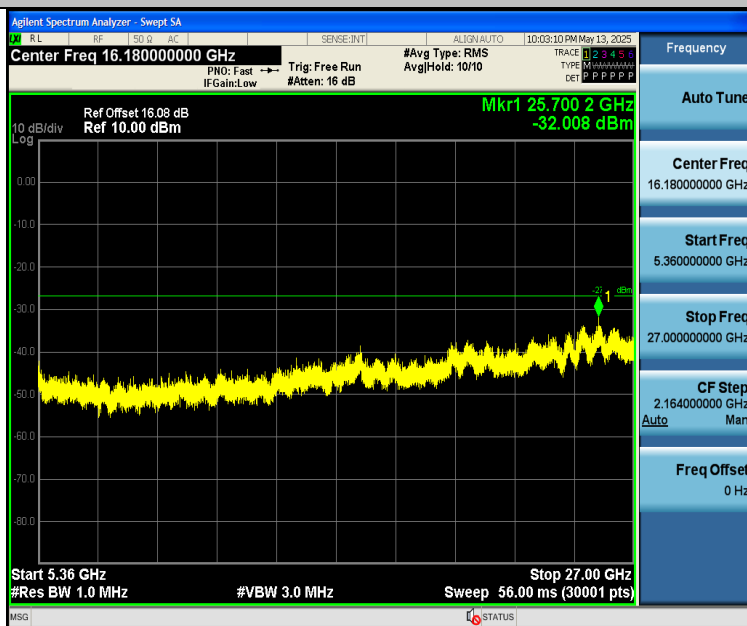
11N20SISO-Ant2-5200-5360~27000-PASS



11N20SISO-Ant2-5240-30~5140-PASS



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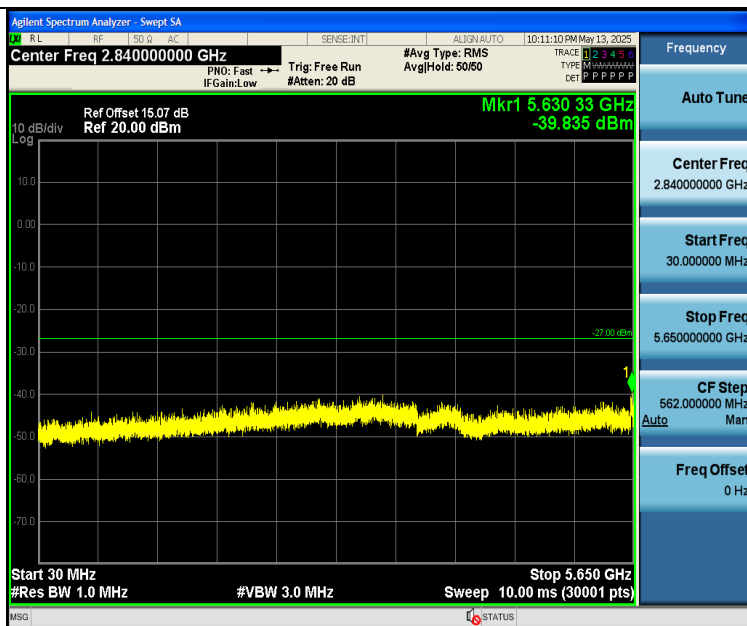
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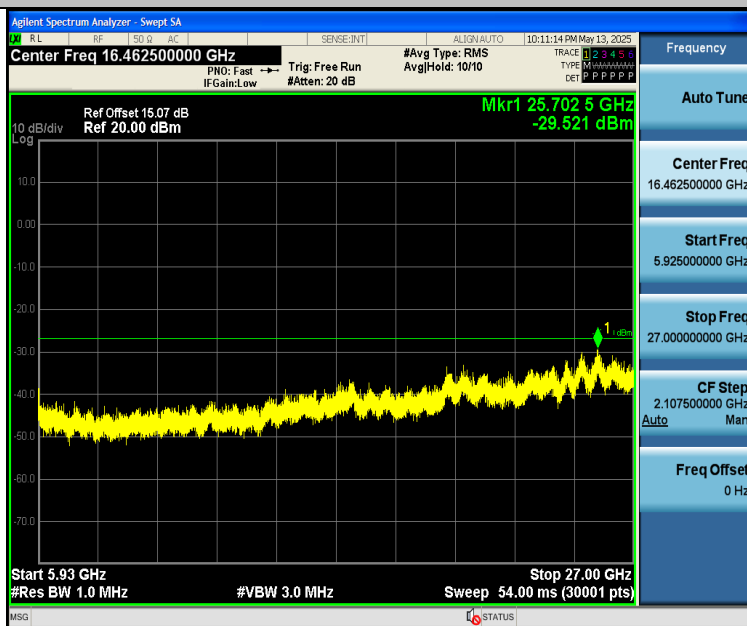
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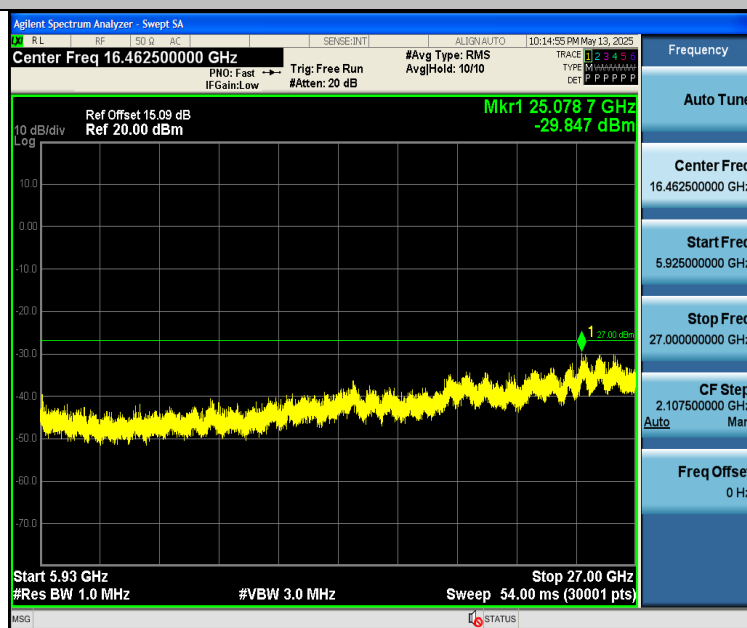
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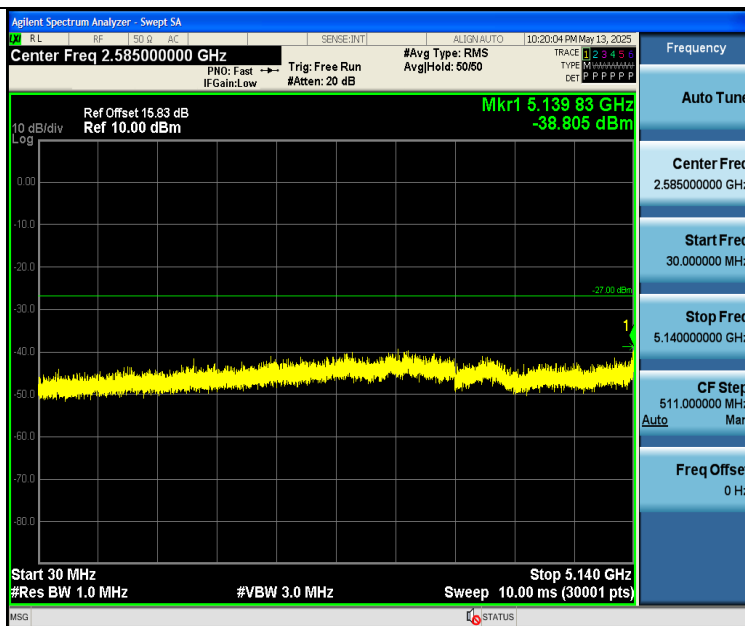
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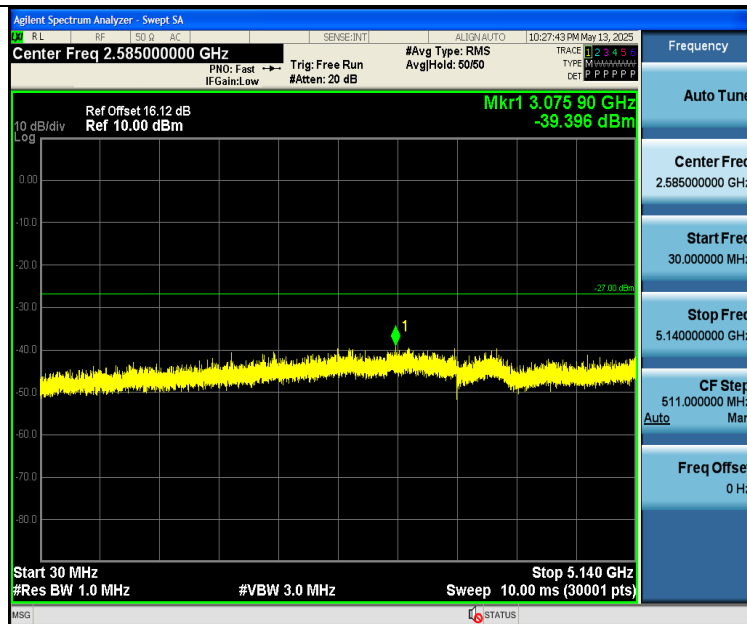
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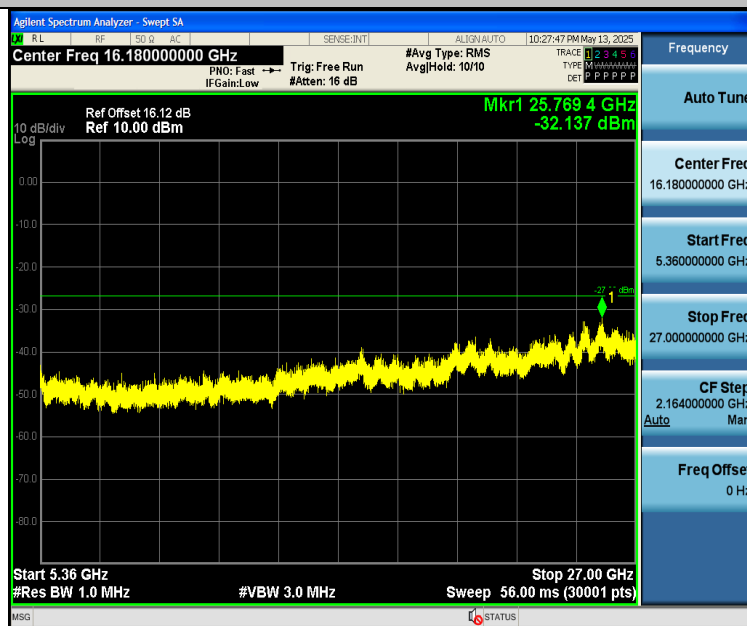
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11N40SISO-Ant2-5230-30~5140-PASS



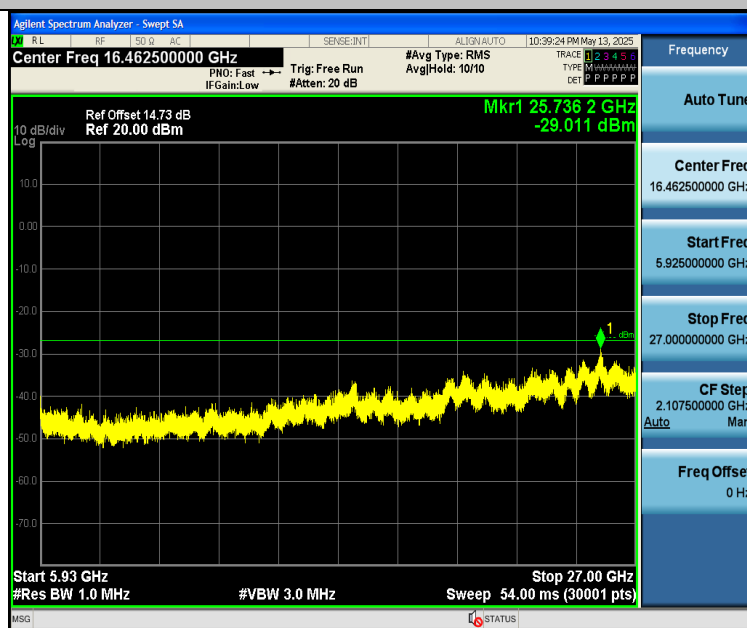
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11N40SISO-Ant2-5755-30~5650-PASS



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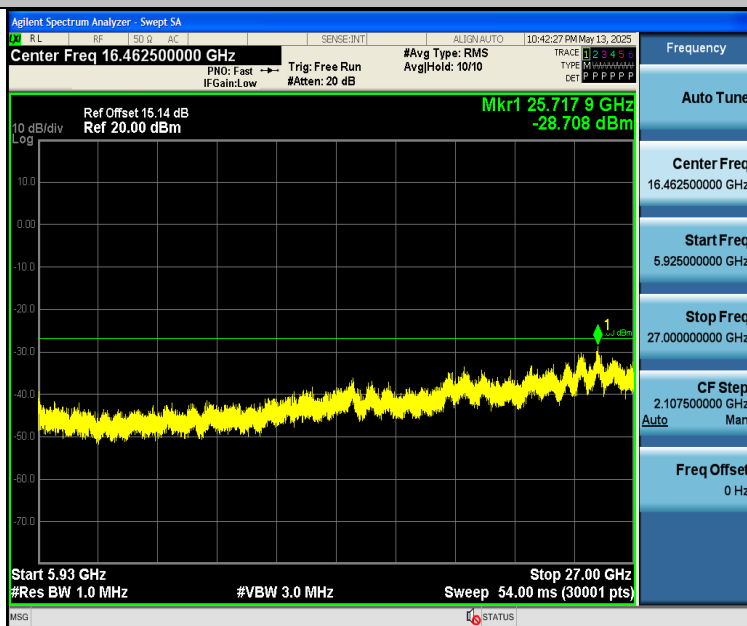
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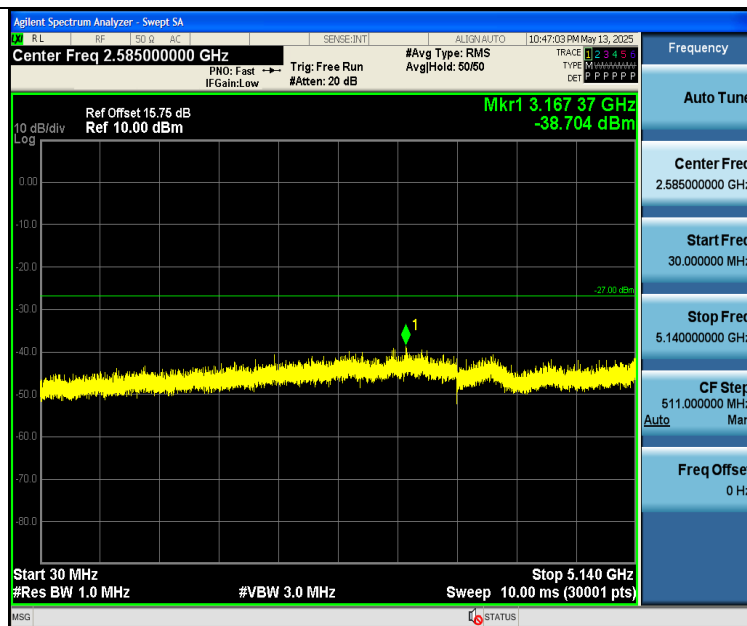
Report No.: PTC24102821301E-FC04



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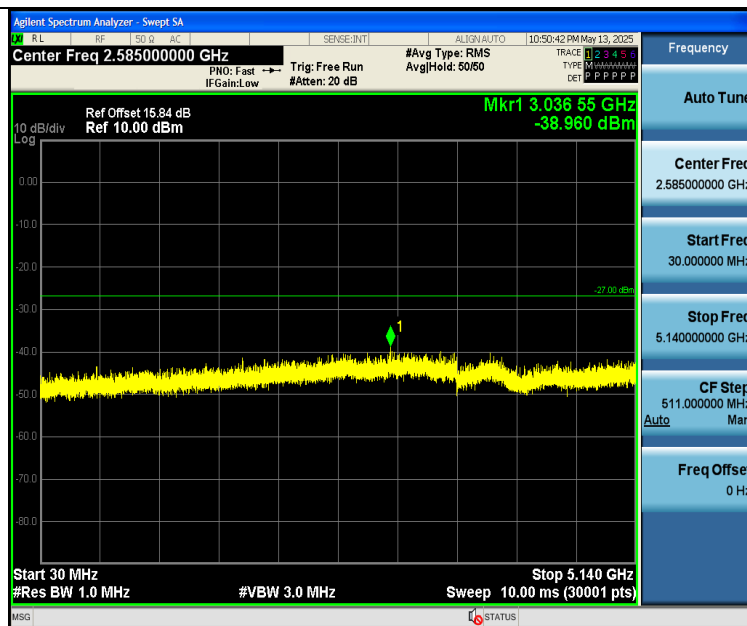
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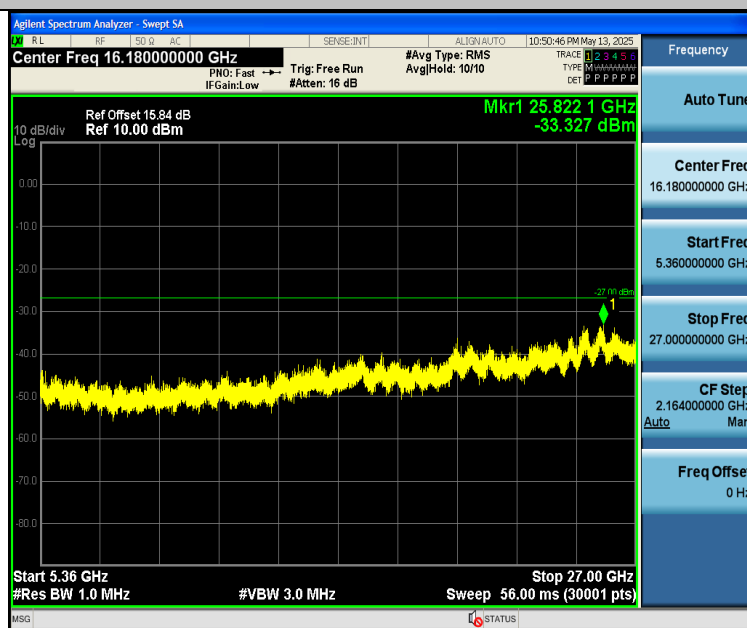
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11AC20SISO-Ant2-5240-30~5140-PASS



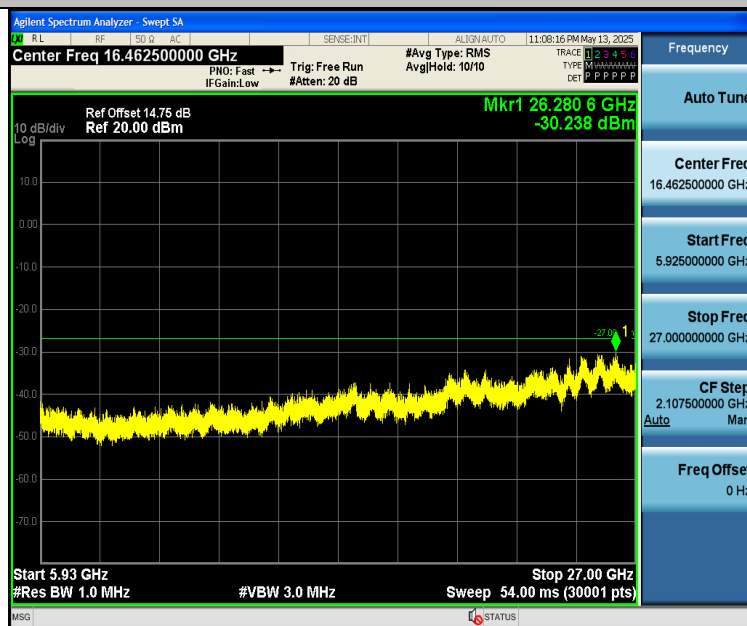
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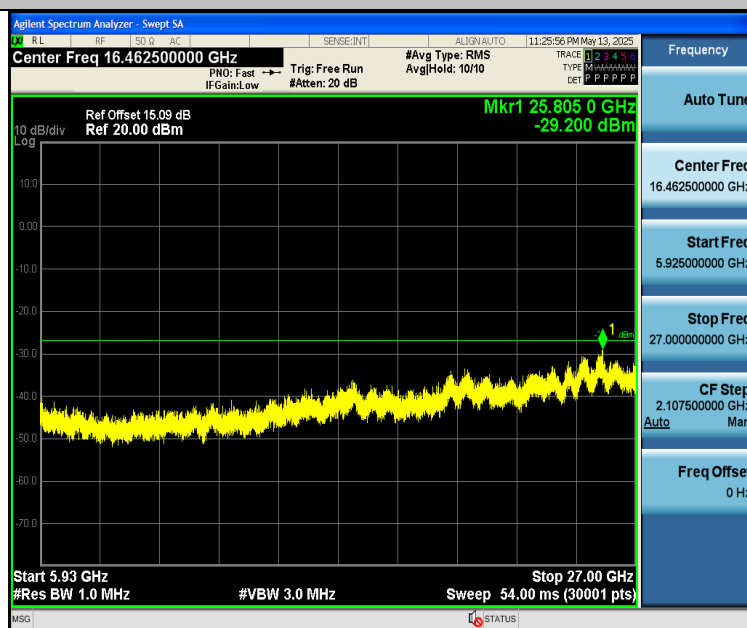
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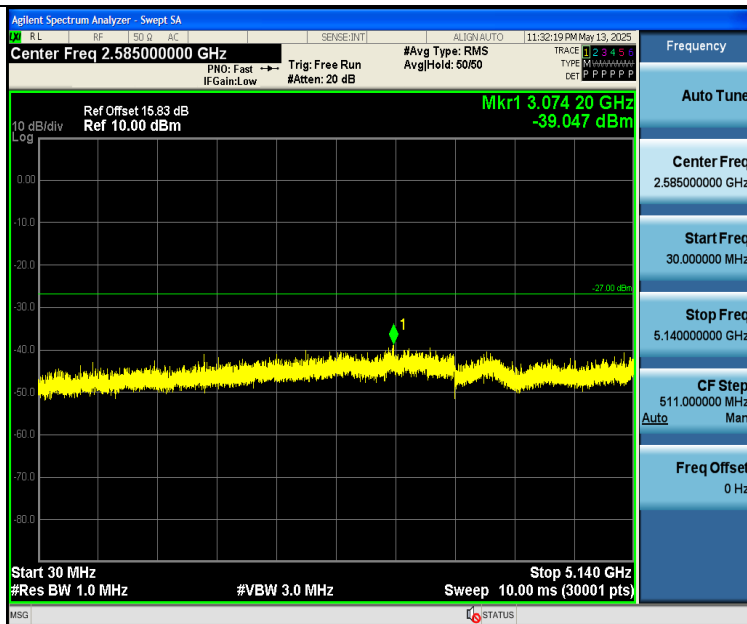
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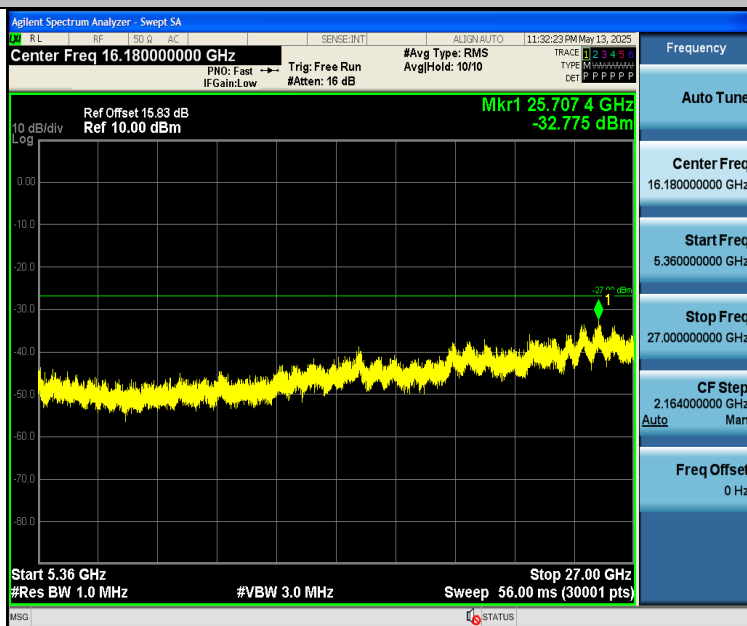
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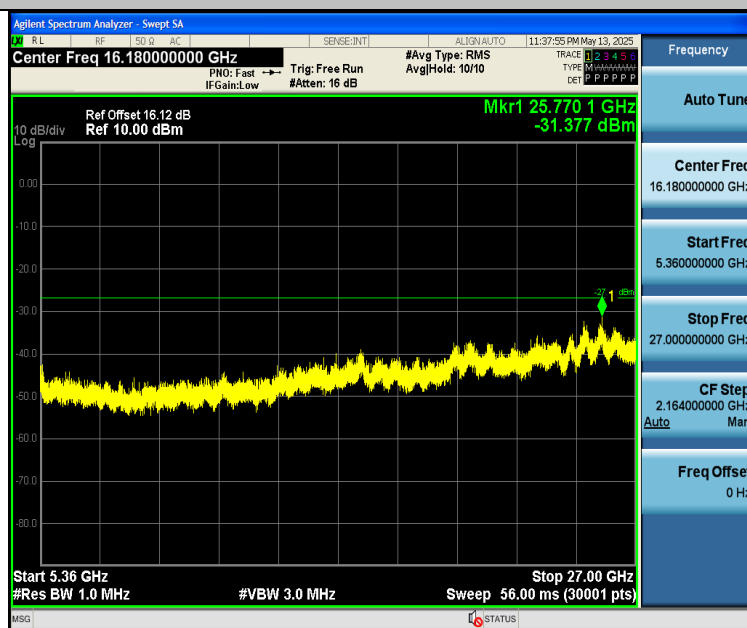
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11AC40SISO-Ant2-5230-30~5140-PASS



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11AC40SISO-Ant2-5755-30~5650-PASS