

Case No. : GTS20220510015-1-14	
Ambient Condition: 25 °C, 45 %RH,	
Test Date: 2022.7.18	Test Engineer: Jenny zeng

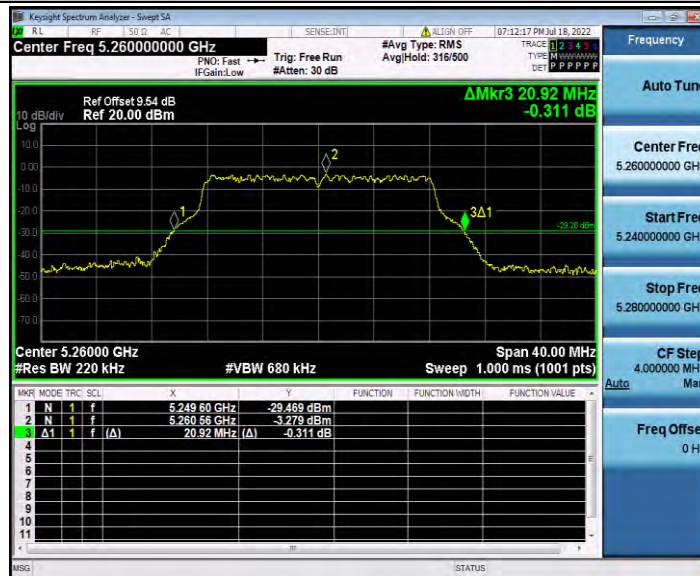
Appendix E.1: Emission Bandwidth

Test Result

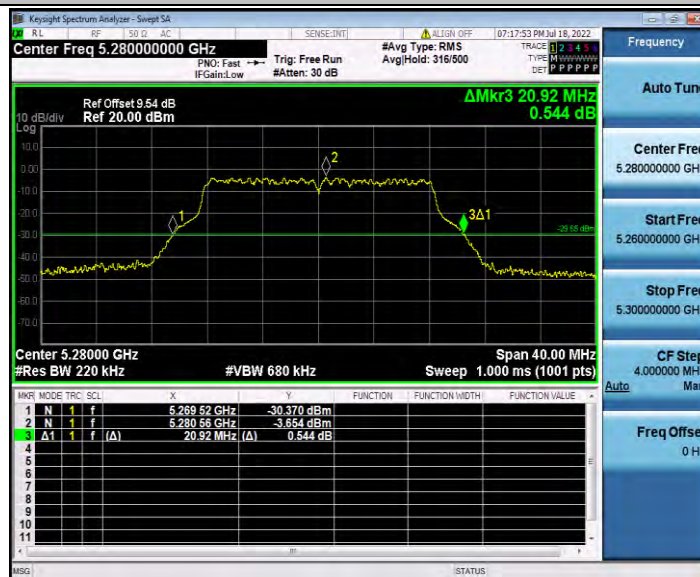
TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	20.920	5249.600	5270.520	---	---
		5280	20.920	5269.520	5290.440	---	---
		5320	20.960	5309.560	5330.520	---	---
11N20SISO	Ant1	5260	21.640	5249.200	5270.840	---	---
		5280	21.480	5269.280	5290.760	---	---
		5320	21.360	5309.440	5330.800	---	---
11N40SISO	Ant1	5270	39.360	5250.320	5289.680	---	---
		5310	40.000	5290.000	5330.000	---	---
11AC20SISO	Ant1	5260	21.360	5249.400	5270.760	---	---
		5280	21.520	5269.240	5290.760	---	---
		5320	21.440	5309.280	5330.720	---	---
11AC40SISO	Ant1	5270	40.320	5249.840	5290.160	---	---
		5310	40.320	5289.840	5330.160	---	---
11AC80SISO	Ant1	5290	81.440	5249.520	5330.960	---	---

Test Graphs

11A_Ant1_5260



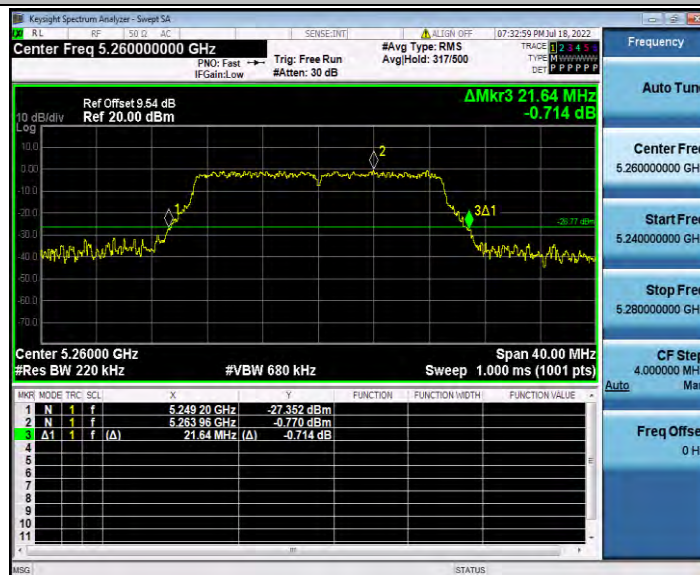
11A_Ant1_5280



11A_Ant1_5320



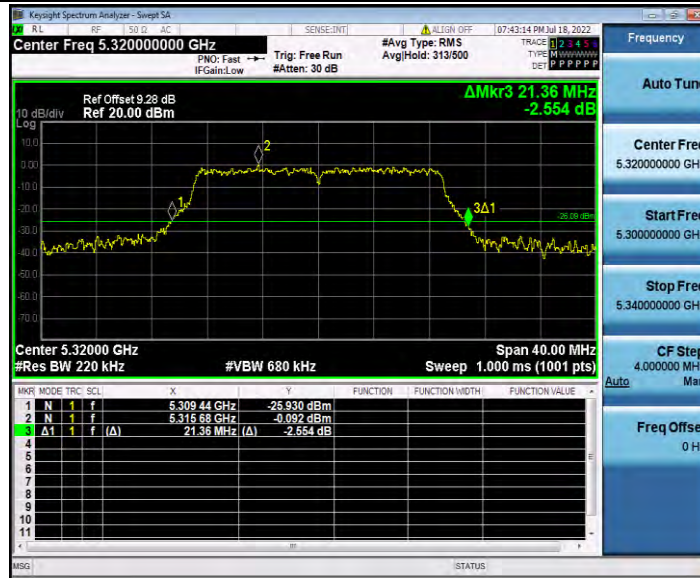
11N20SISO_Ant1_5260



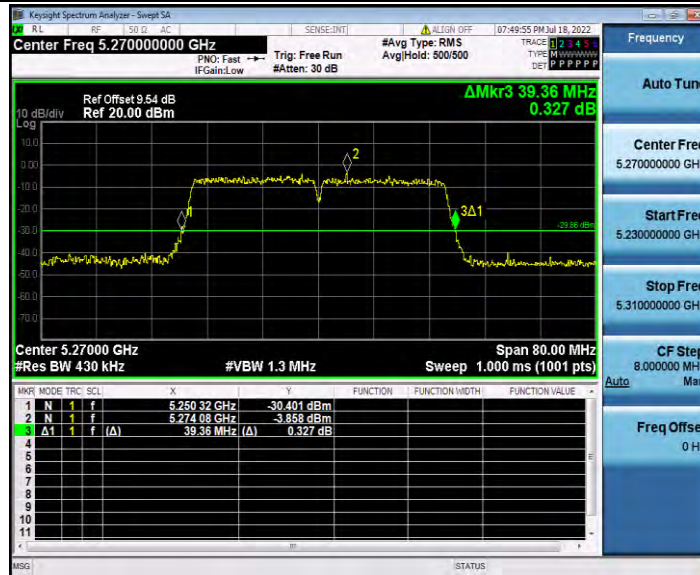
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



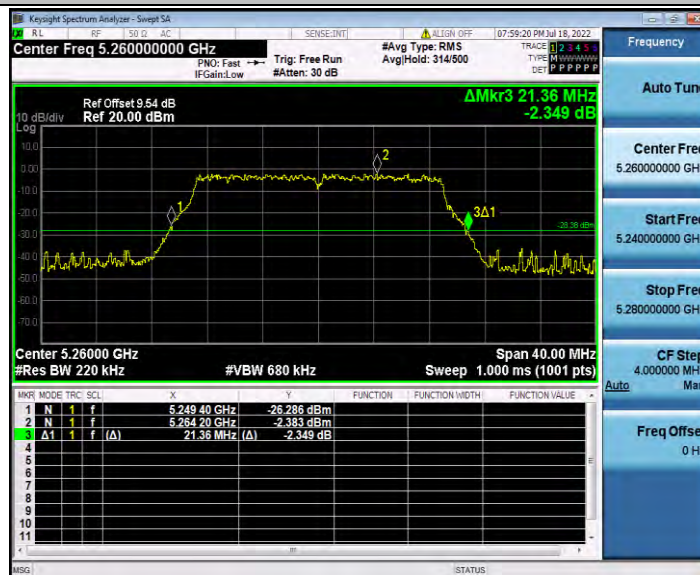
11N40SISO_Ant1_5270



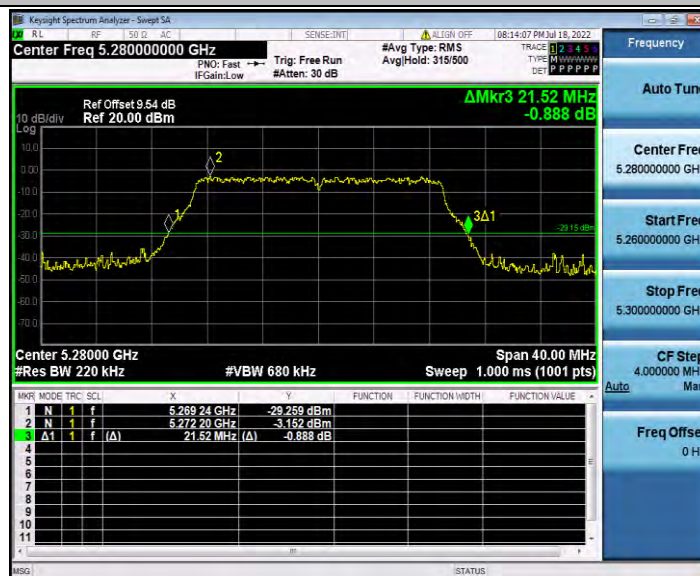
11N40SISO_Ant1_5310



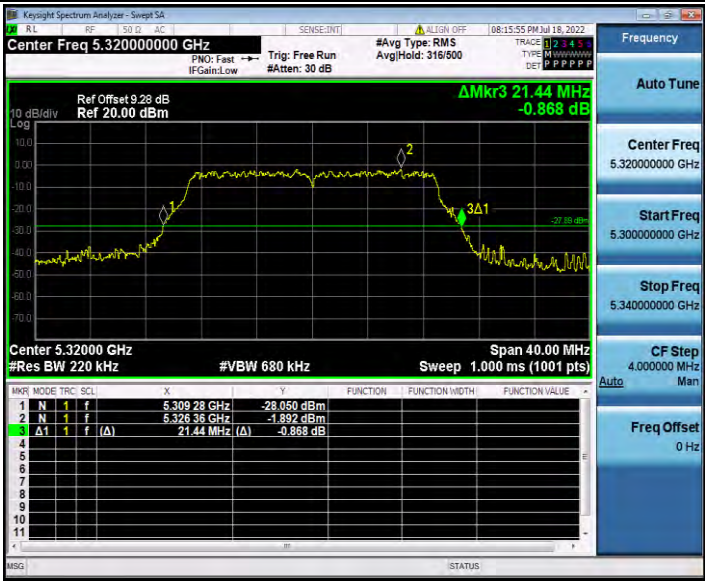
11AC20SISO_Ant1_5260



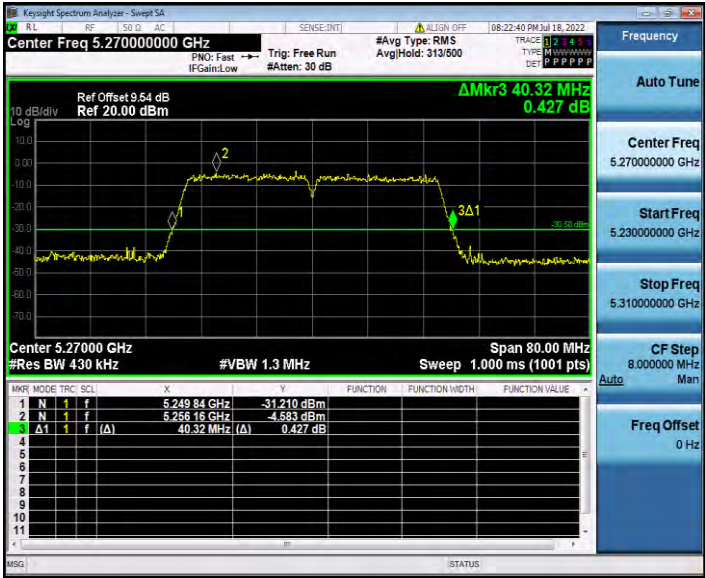
11AC20SISO_Ant1_5280



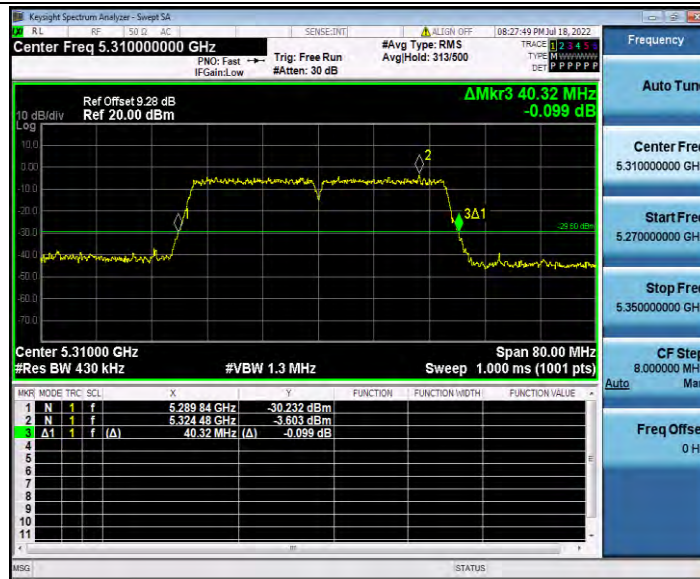
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



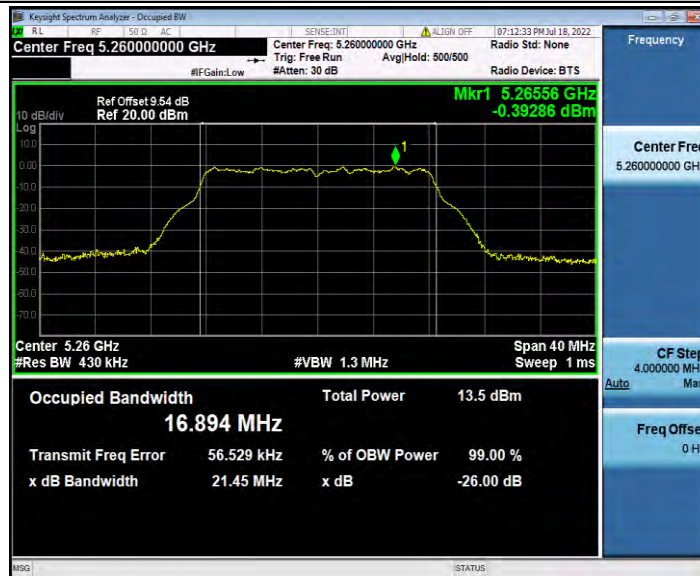
Appendix E.2: Occupied channel bandwidth

Test Result

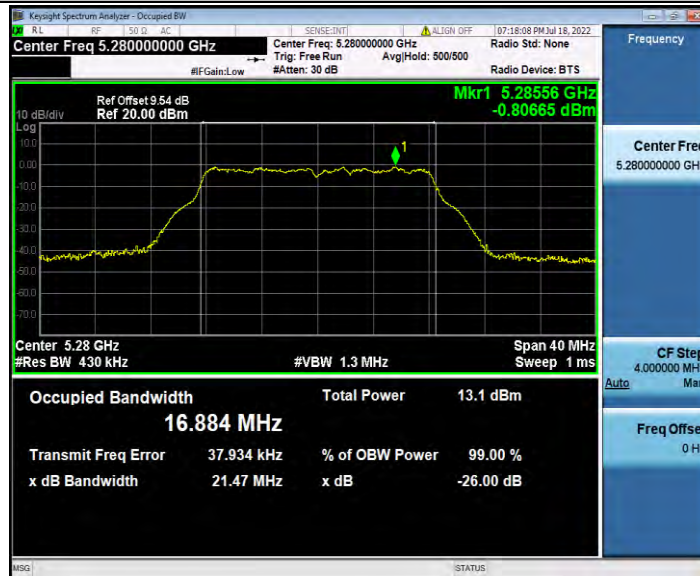
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	16.894	5251.610	5268.504	---	---
		5280	16.884	5271.596	5288.480	---	---
		5320	16.924	5311.627	5328.551	---	---
11N20SISO	Ant1	5260	18.153	5250.949	5269.102	---	---
		5280	18.257	5270.889	5289.146	---	---
		5320	18.334	5310.877	5329.211	---	---
11N40SISO	Ant1	5270	36.502	5251.757	5288.259	---	---
		5310	36.533	5291.809	5328.342	---	---
11AC20SISO	Ant1	5260	18.305	5250.813	5269.118	---	---
		5280	18.316	5270.790	5289.106	---	---
		5320	18.296	5310.826	5329.122	---	---
11AC40SISO	Ant1	5270	36.762	5251.539	5288.301	---	---
		5310	36.852	5291.541	5328.393	---	---
11AC80SISO	Ant1	5290	75.982	5251.985	5327.967	---	---

Test Graphs

11A_Ant1_5260



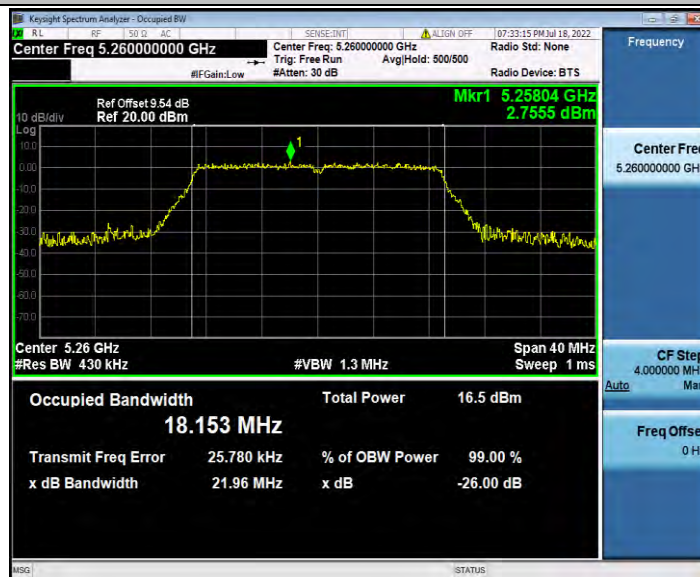
11A_Ant1_5280



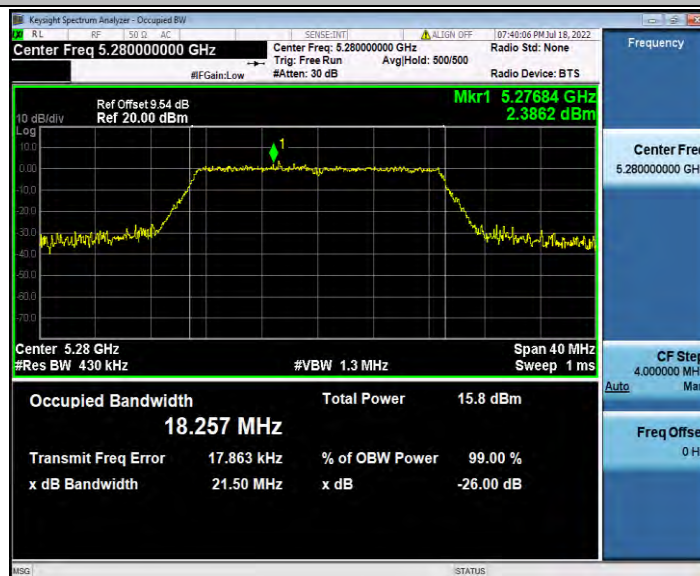
11A_Ant1_5320



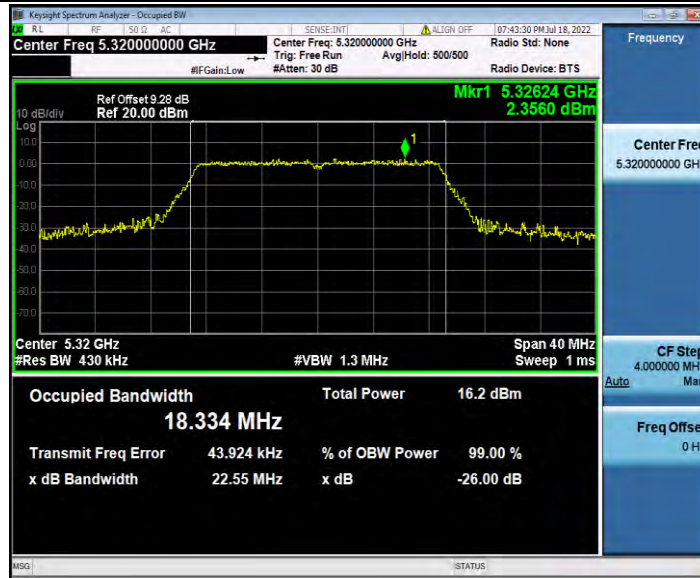
11N20SISO_Ant1_5260



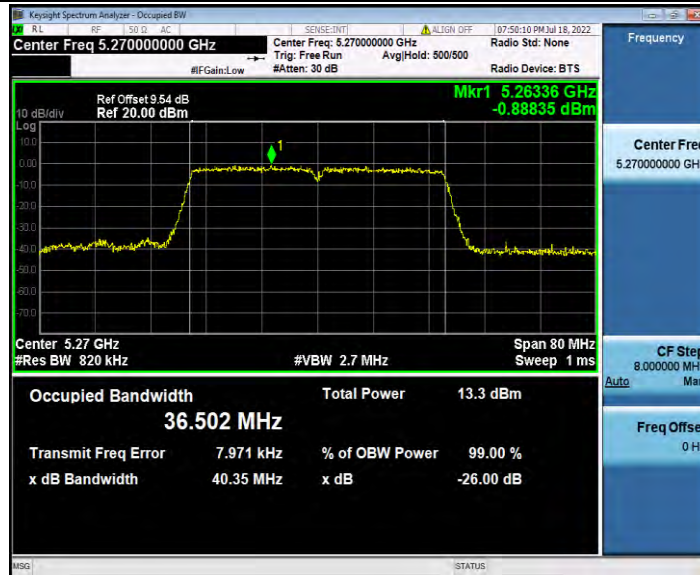
11N20SISO_Ant1_5280



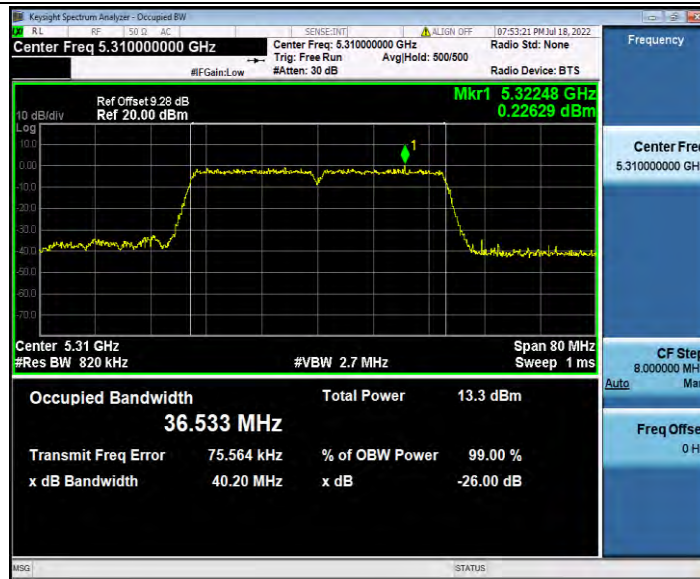
11N20SISO_Ant1_5320



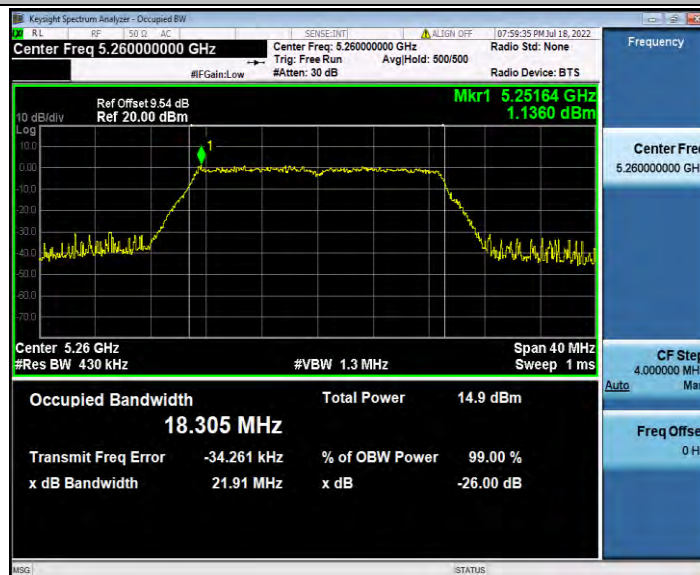
11N40SISO_Ant1_5270



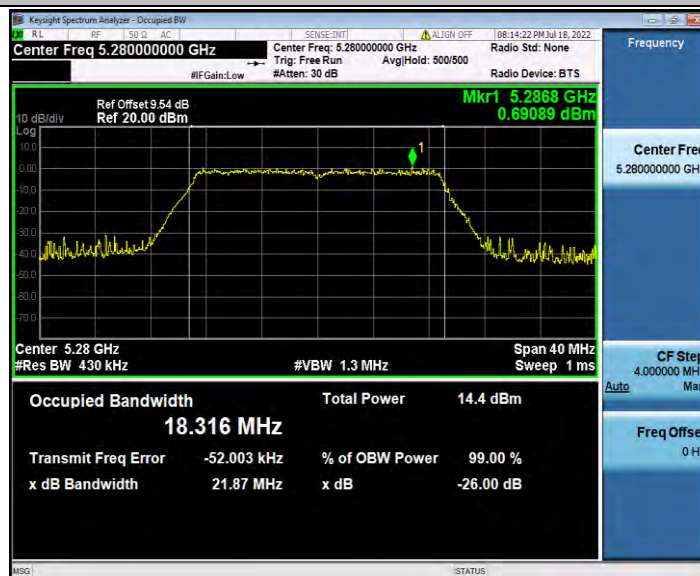
11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



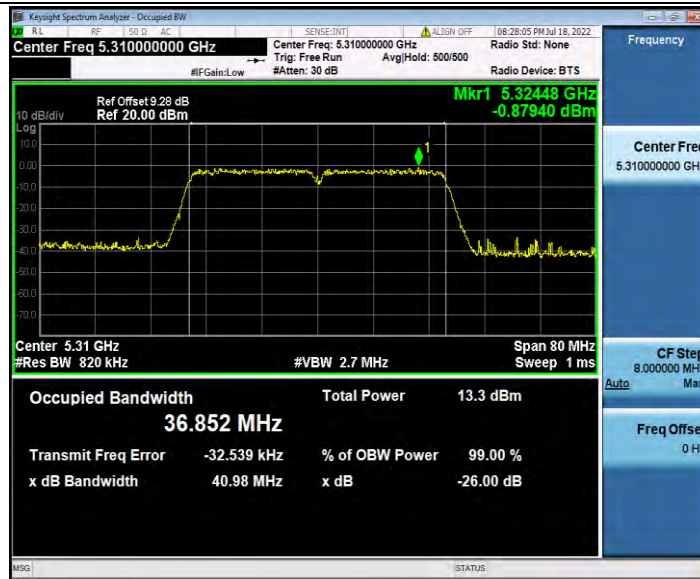
11AC20SISO_Ant1_5320



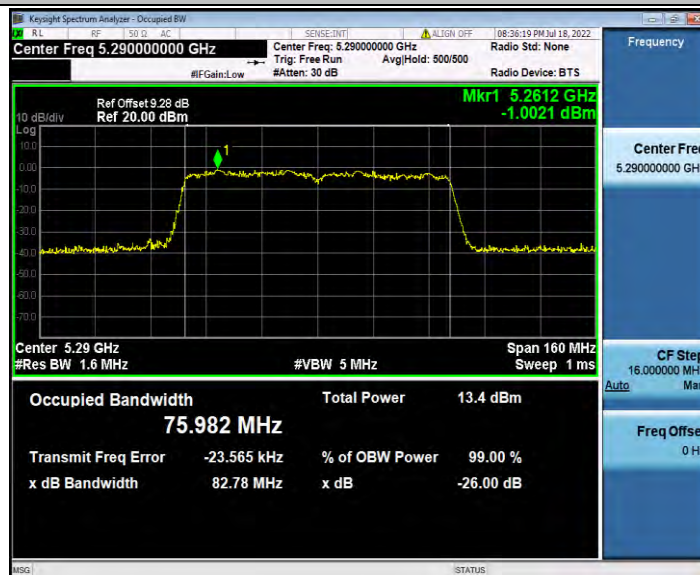
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



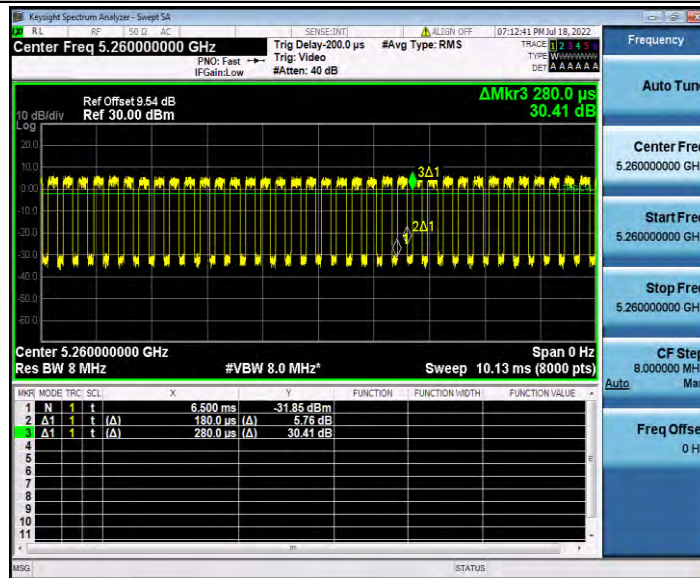
Appendix E.3: Duty Cycle

Test Result

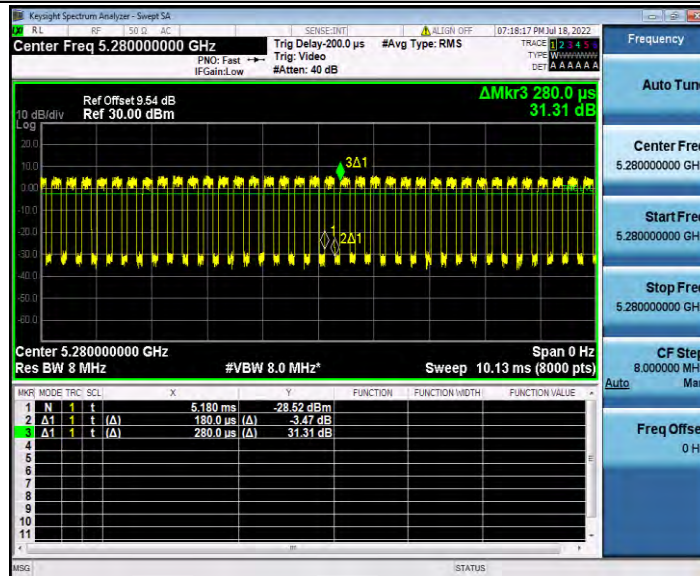
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dBm]
11A	Ant1	5260	0.18	0.28	64.29	1.92
		5280	0.18	0.28	64.29	1.92
		5320	0.18	0.28	64.29	1.92
11N20SISO	Ant1	5260	0.16	0.26	61.54	2.11
		5280	0.16	0.27	59.26	2.27
		5320	0.17	0.27	62.96	2.01
11N40SISO	Ant1	5270	0.10	0.21	47.62	3.22
		5310	0.10	0.20	50.00	3.01
11AC20SISO	Ant1	5260	0.14	0.25	56.00	2.52
		5280	0.15	0.25	60.00	2.22
		5320	0.15	0.25	60.00	2.22
11AC40SISO	Ant1	5270	0.09	0.19	47.37	3.24
		5310	0.08	0.19	42.11	3.76
11AC80SISO	Ant1	5290	0.07	0.17	41.18	3.85

Test Graphs

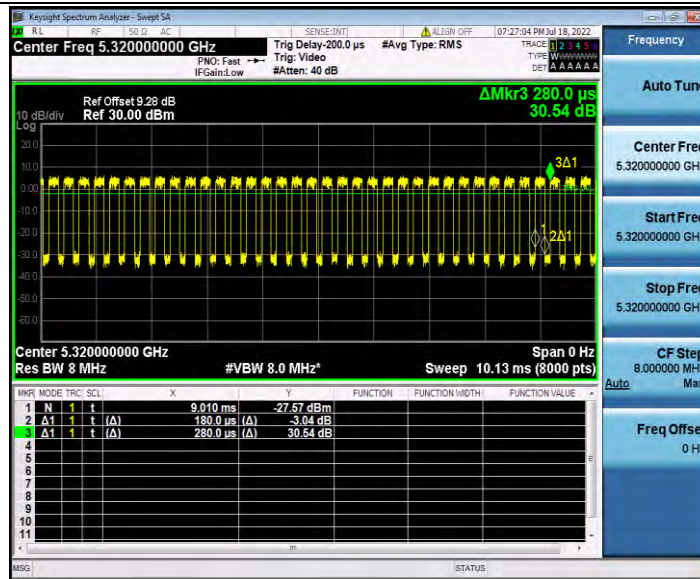
11A_Ant1_5260



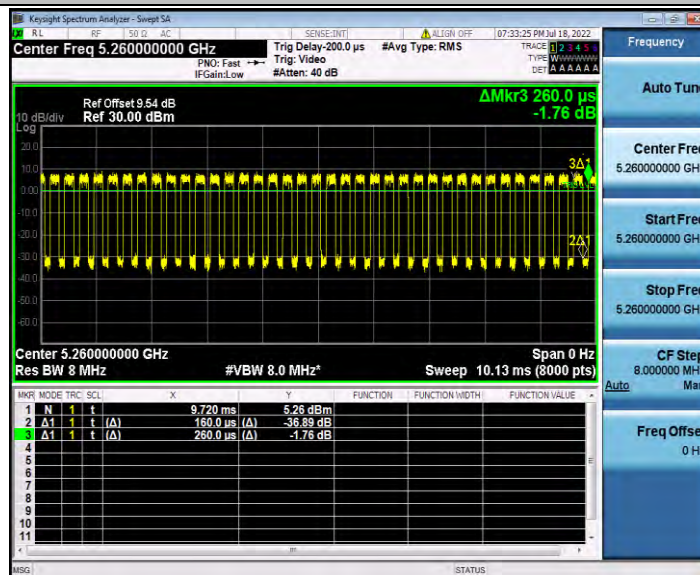
11A_Ant1_5280



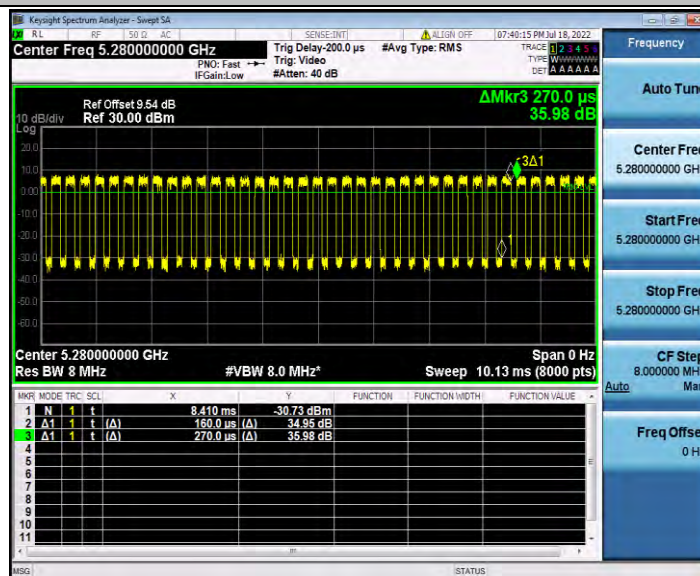
11A_Ant1_5320



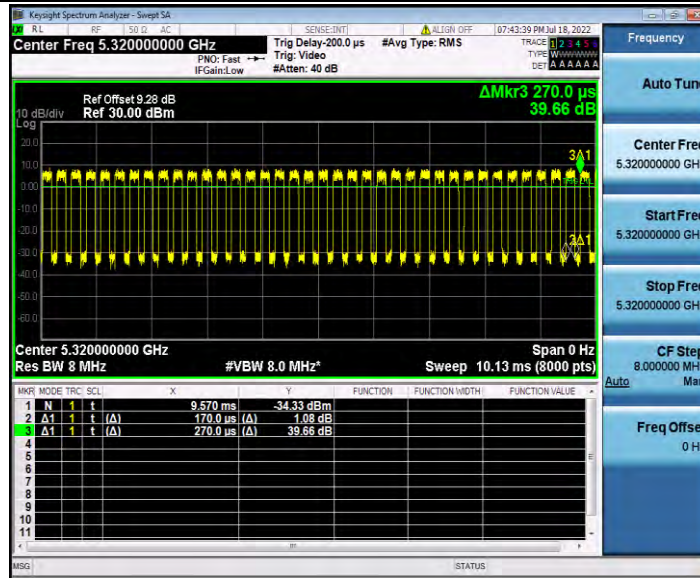
11N20SISO_Ant1_5260



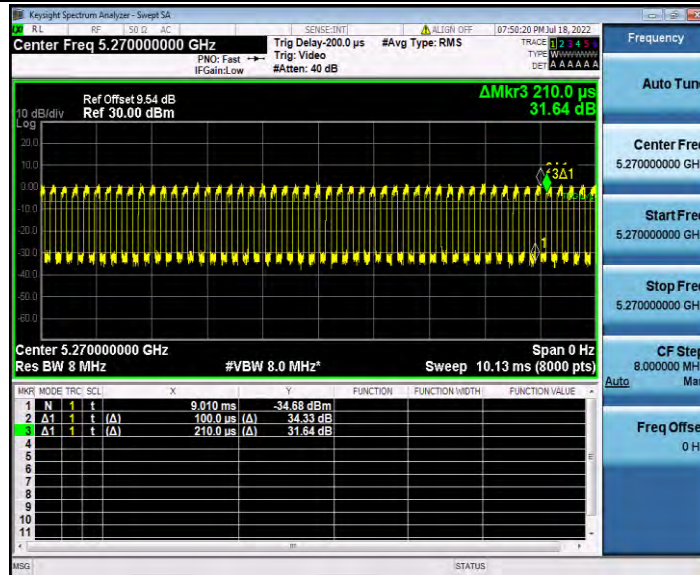
11N20SISO_Ant1_5280



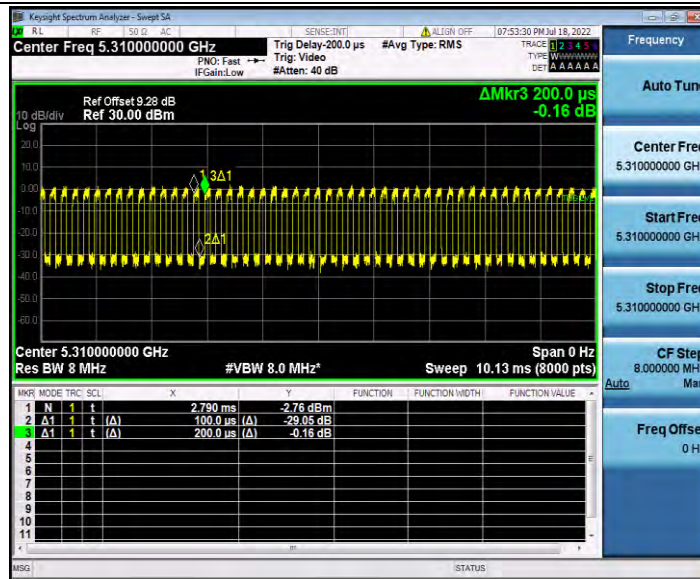
11N20SISO_Ant1_5320



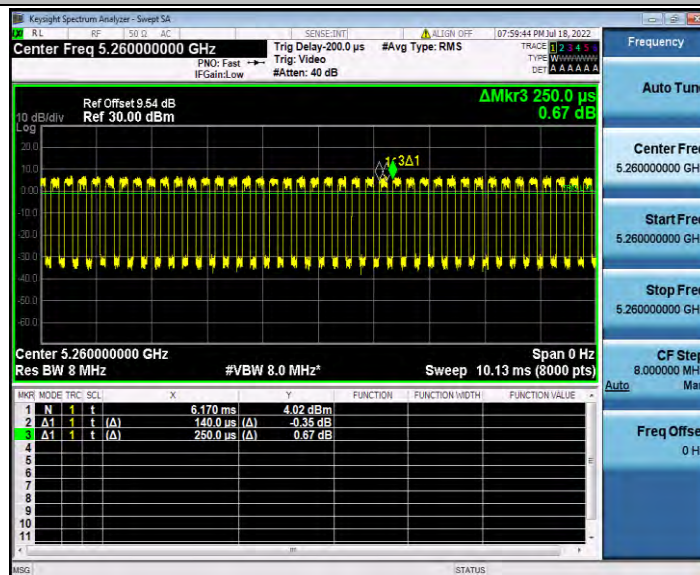
11N40SISO_Ant1_5270



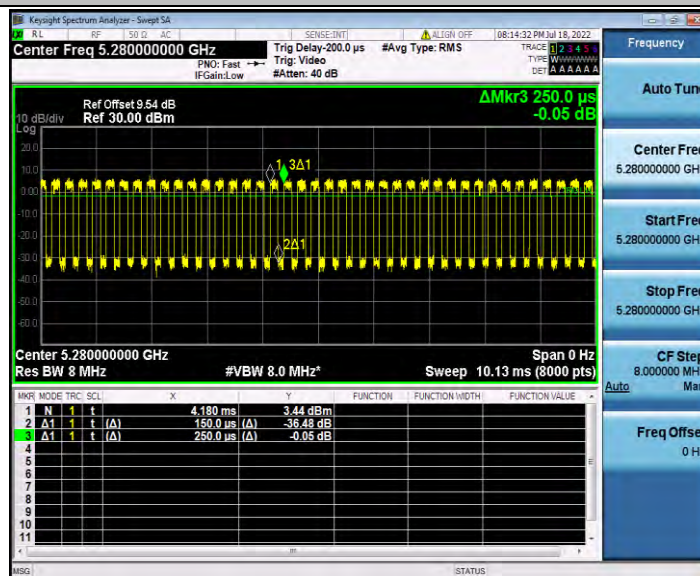
11N40SISO_Ant1_5310



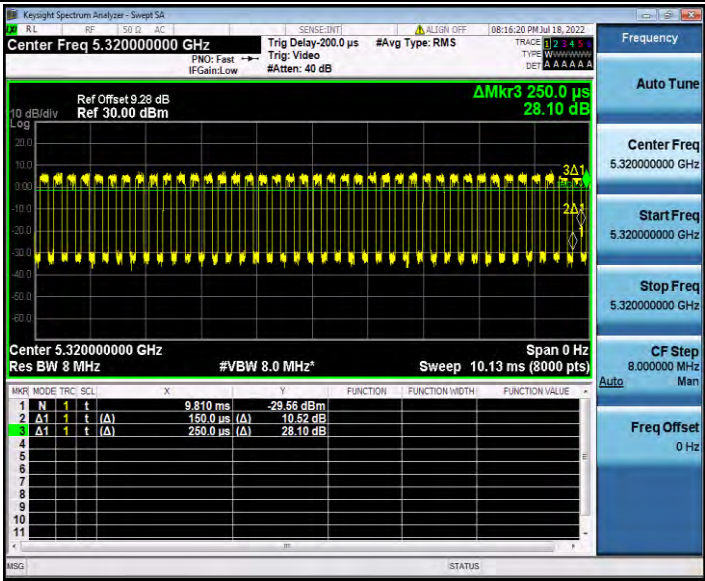
11AC20SISO_Ant1_5260



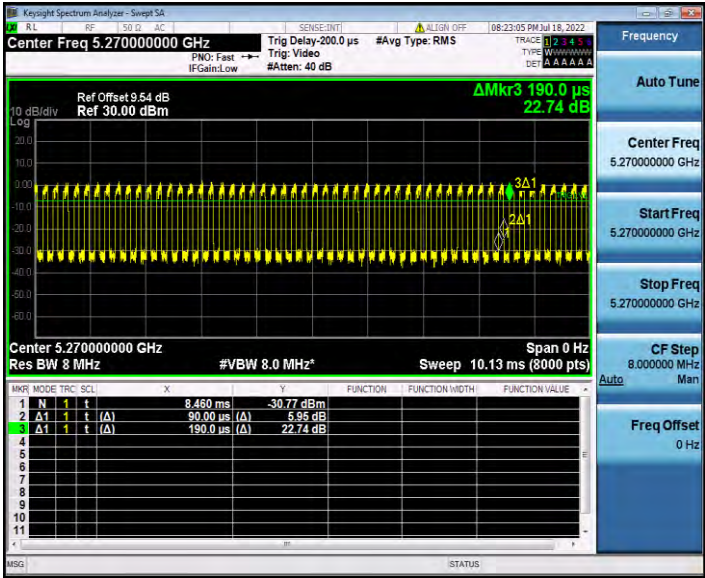
11AC20SISO_Ant1_5280



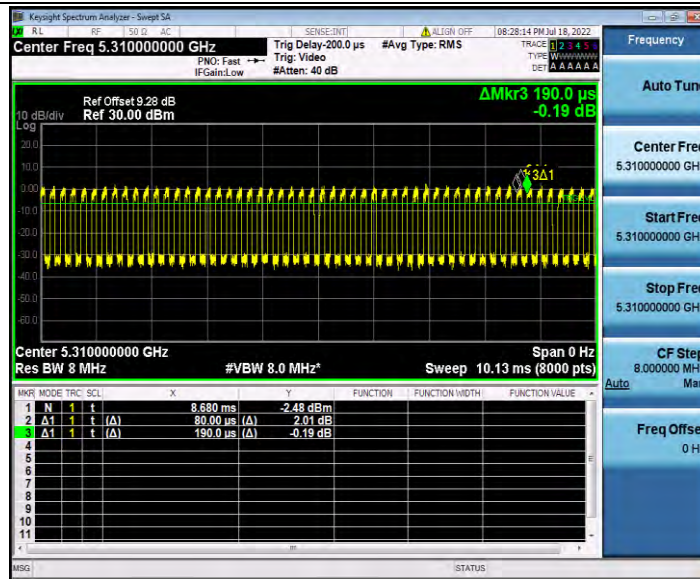
11AC20SISO_Ant1_5320



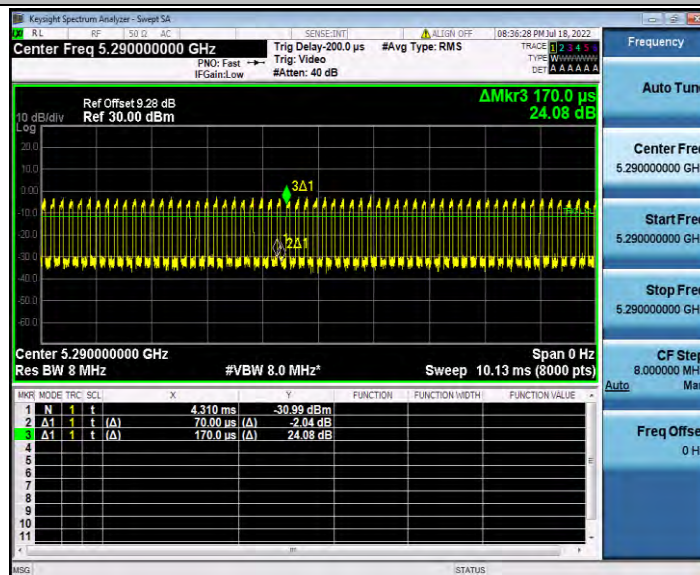
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



Appendix E.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	3.66	≤11.00	PASS
		5280	3.38	≤11.00	PASS
		5320	3.39	≤11.00	PASS
11N20SISO	Ant1	5260	6.48	≤11.00	PASS
		5280	5.85	≤11.00	PASS
		5320	5.65	≤11.00	PASS
11N40SISO	Ant1	5270	0.74	≤11.00	PASS
		5310	-0.14	≤11.00	PASS
11AC20SISO	Ant1	5260	5.05	≤11.00	PASS
		5280	3.92	≤11.00	PASS
		5320	4.40	≤11.00	PASS
11AC40SISO	Ant1	5270	0.61	≤11.00	PASS
		5310	0.86	≤11.00	PASS
11AC80SISO	Ant1	5290	-2.89	≤11.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320



11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



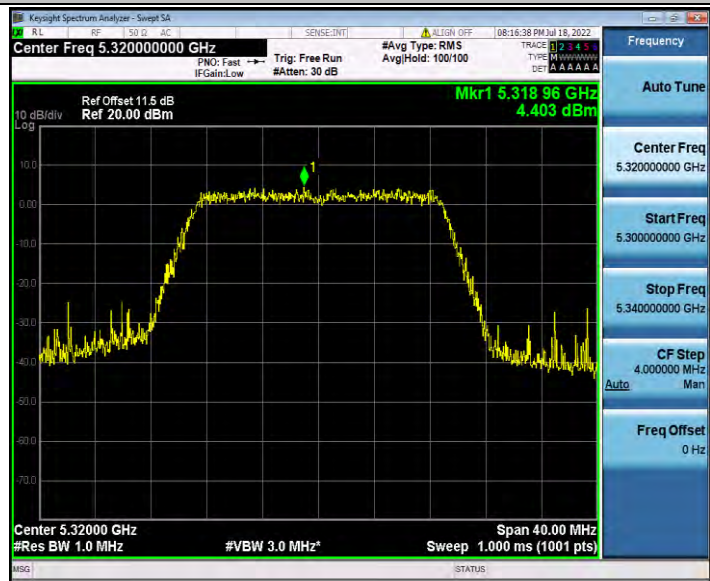
11AC20SISO_Ant1_5260



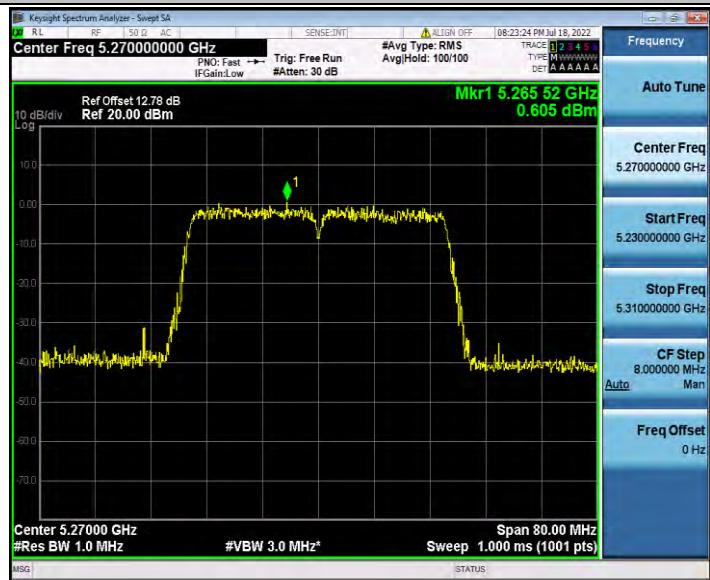
11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



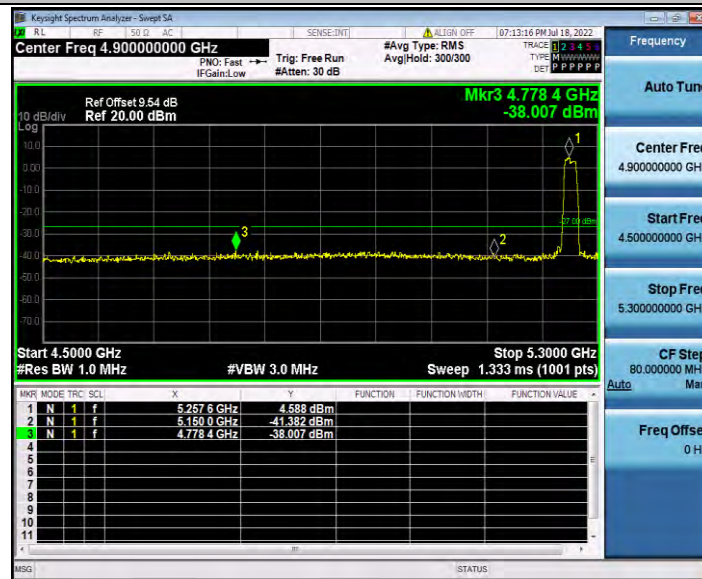
Appendix E.5: Band edge measurements

Test Result B2

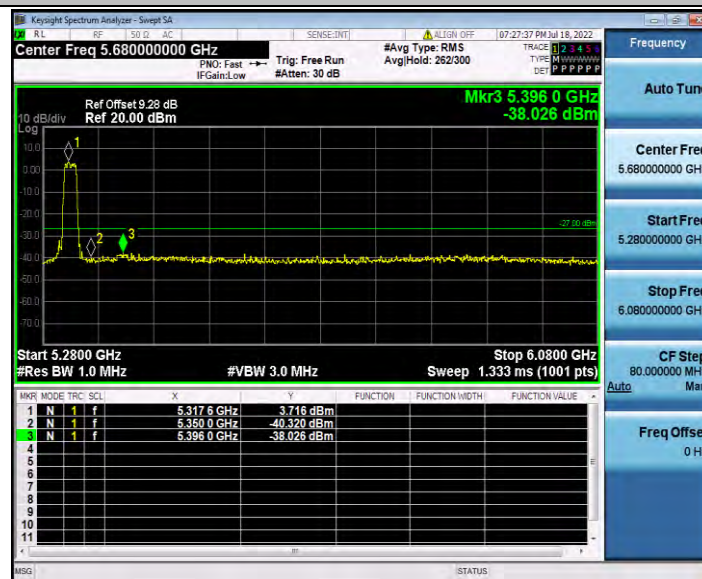
TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5260	-38.01	≤-27	PASS
		High	5320	-38.03	≤-27	PASS
11N20SISO	Ant1	Low	5260	-37.57	≤-27	PASS
		High	5320	-35.01	≤-27	PASS
11N40SISO	Ant1	Low	5270	-37.41	≤-27	PASS
		High	5310	-38.64	≤-27	PASS
11AC20SISO	Ant1	Low	5260	-37.58	≤-27	PASS
		High	5320	-37.32	≤-27	PASS
11AC40SISO	Ant1	Low	5270	-37.59	≤-27	PASS
		High	5310	-37.11	≤-27	PASS
11AC80SISO	Ant1	Low	5290	-38.27	≤-27	PASS
	Ant1	High	5290	-28.74	≤-27	PASS

Test Graphs B2

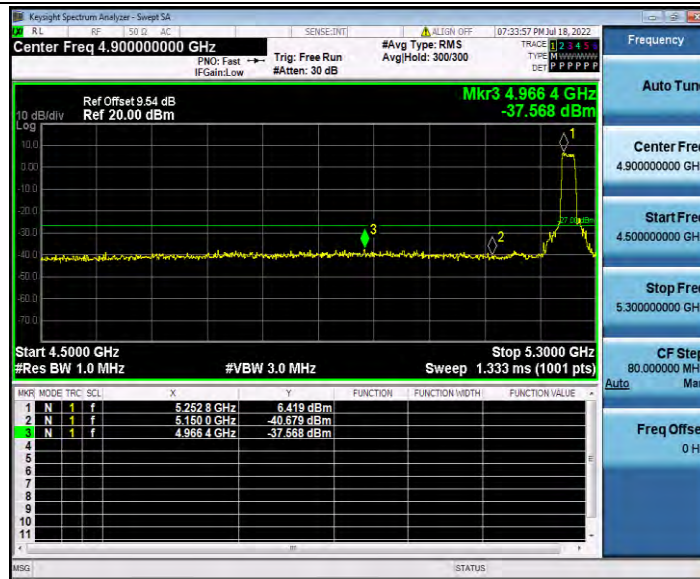
11A_Ant1_Low_5260



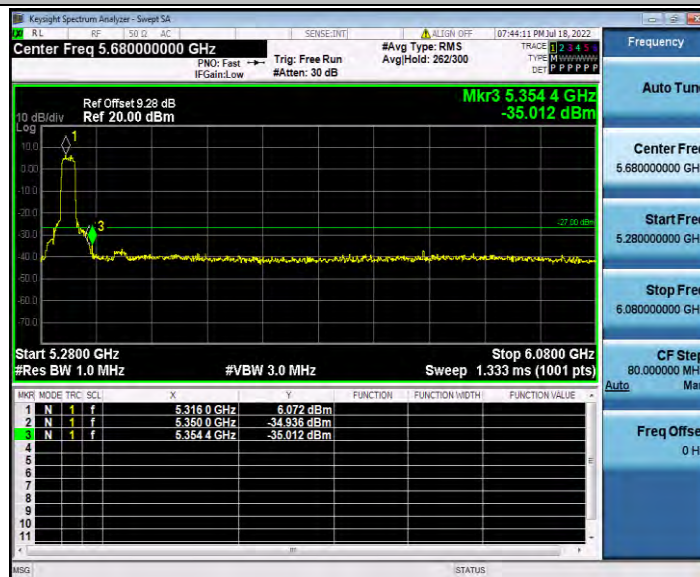
11A_Ant1_High_5320



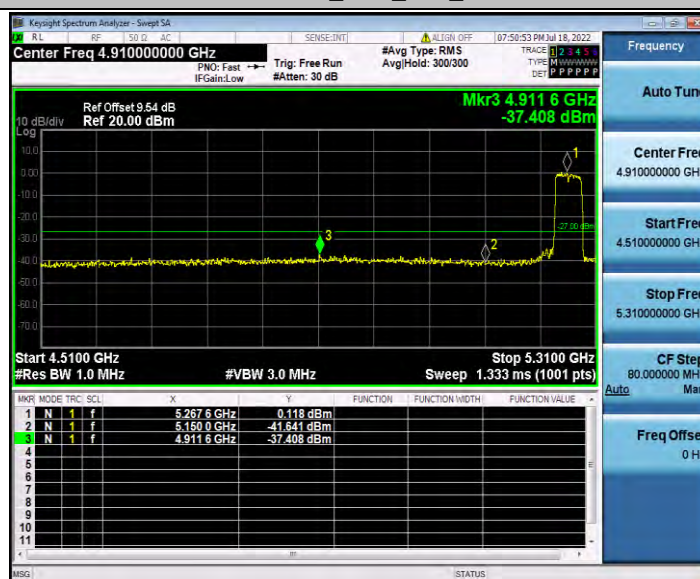
11N20SISO_Ant1_Low_5260



11N20SISO_Ant1_High_5320



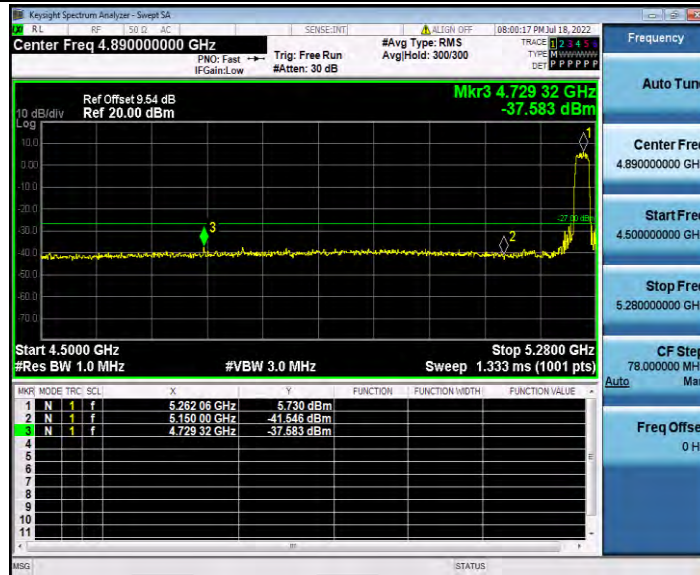
11N40SISO_Ant1_Low_5270



11N40SISO_Ant1_High_5310



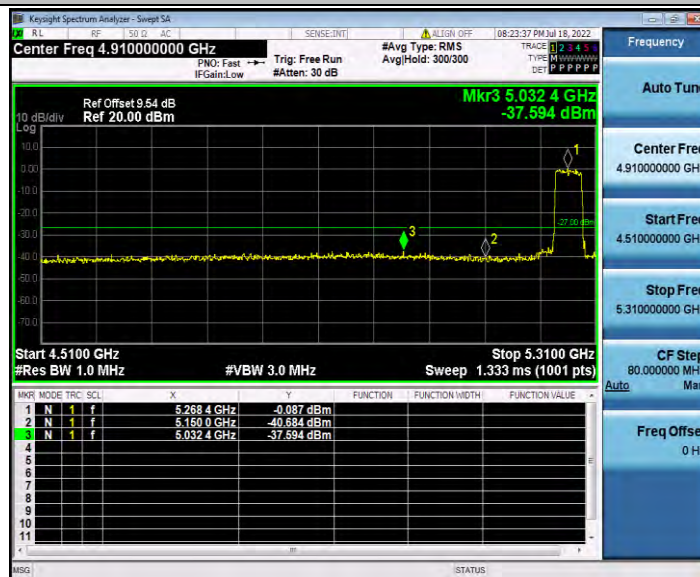
11AC20SISO_Ant1_Low_5260



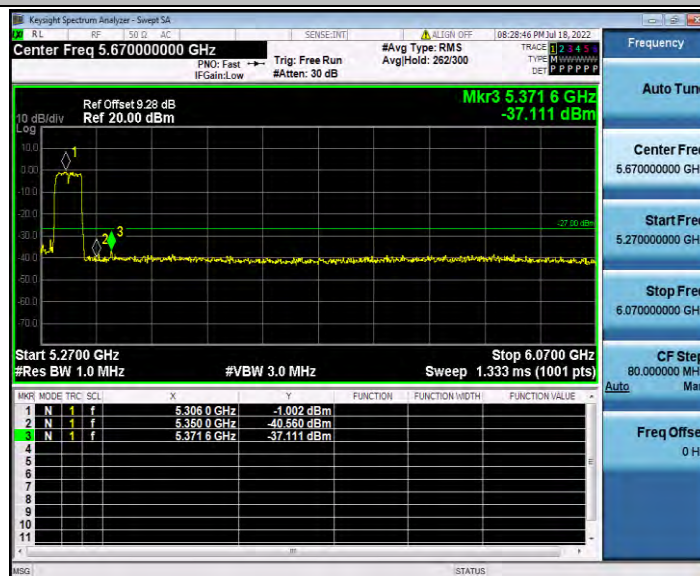
11AC20SISO_Ant1_High_5320



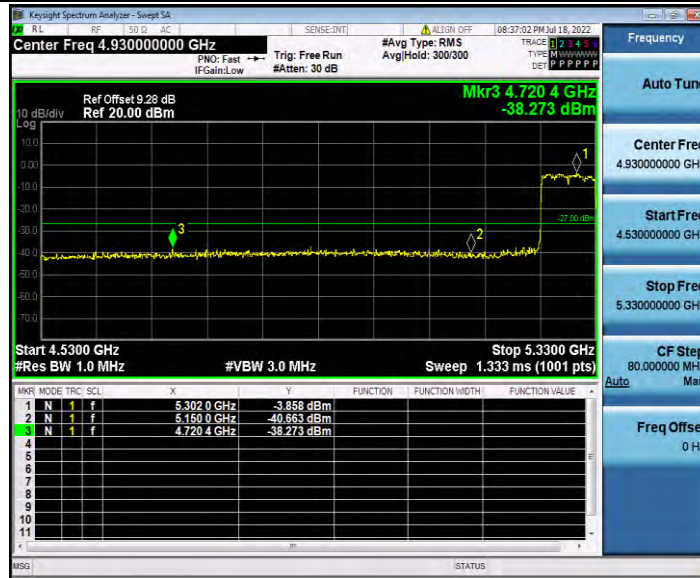
11AC40SISO_Ant1_Low_5270



11AC40SISO_Ant1_High_5310



11AC80SISO_Ant1_Low_5290



11AC80SISO_Ant1_High_5290



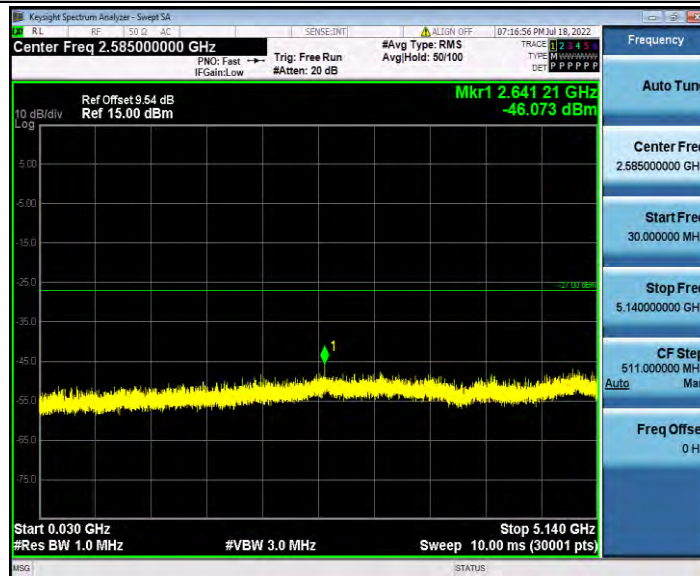
Appendix E.6: Conducted Spurious Emission

Test Result

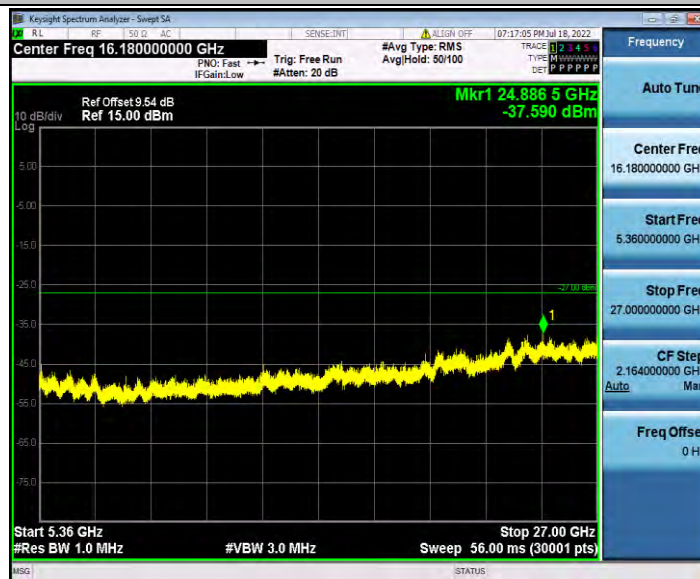
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	30~5140	2641.21	-46.07	≤-27	PASS
			5360~40000	24886.49	-37.59	≤-27	PASS
		5280	30~5140	2642.91	-46.88	≤-27	PASS
			5360~40000	24821.57	-38.13	≤-27	PASS
		5320	30~5140	4945.99	-47.34	≤-27	PASS
			5360~40000	24818.69	-38.06	≤-27	PASS
11N20SISO	Ant1	5260	30~5140	2659.61	-47.15	≤-27	PASS
			5360~40000	24221.42	-37.85	≤-27	PASS
		5280	30~5140	2817.85	-46.91	≤-27	PASS
			5360~40000	24241.62	-37.81	≤-27	PASS
		5320	30~5140	2659.1	-47.55	≤-27	PASS
			5360~40000	26575.86	-38.28	≤-27	PASS
11N40SISO	Ant1	5270	30~5140	3351.33	-46.83	≤-27	PASS
			5360~40000	26992.79	-37.58	≤-27	PASS
		5310	30~5140	4881.77	-46.8	≤-27	PASS
			5360~40000	24219.98	-37.16	≤-27	PASS
11AC20SISO	Ant1	5260	30~5140	2630.48	-45.7	≤-27	PASS
			5360~40000	24236.57	-37.41	≤-27	PASS
		5280	30~5140	3408.39	-46.8	≤-27	PASS
			5360~40000	24271.92	-38.04	≤-27	PASS
		5320	30~5140	3207.74	-47.39	≤-27	PASS
			5360~40000	24812.2	-38.34	≤-27	PASS
11AC40SISO	Ant1	5270	30~5140	3140.97	-47.71	≤-27	PASS
			5360~40000	26495.07	-37.66	≤-27	PASS
		5310	30~5140	2681.24	-47.48	≤-27	PASS
			5360~40000	24232.24	-38.34	≤-27	PASS
11AC80SISO	Ant1	5290	30~5140	4997.09	-46.74	≤-27	PASS
			5360~40000	26937.97	-38.38	≤-27	PASS

Test Graphs

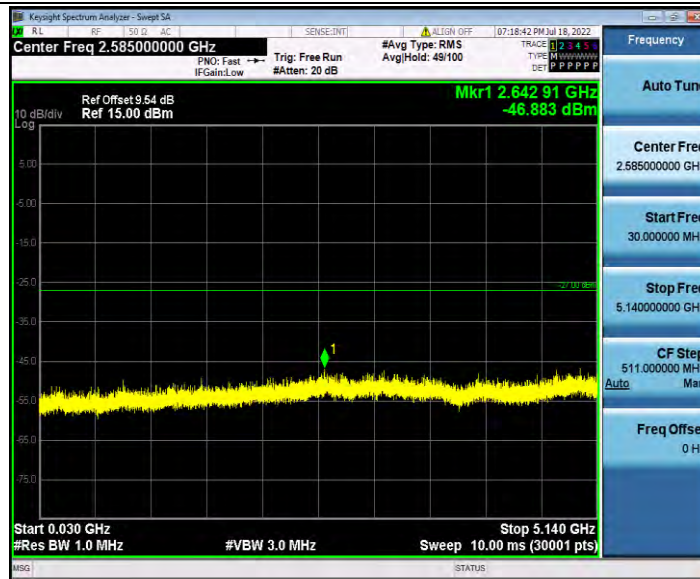
11A_Ant1_5260_30~5140



11A_Ant1_5260_5360~40000



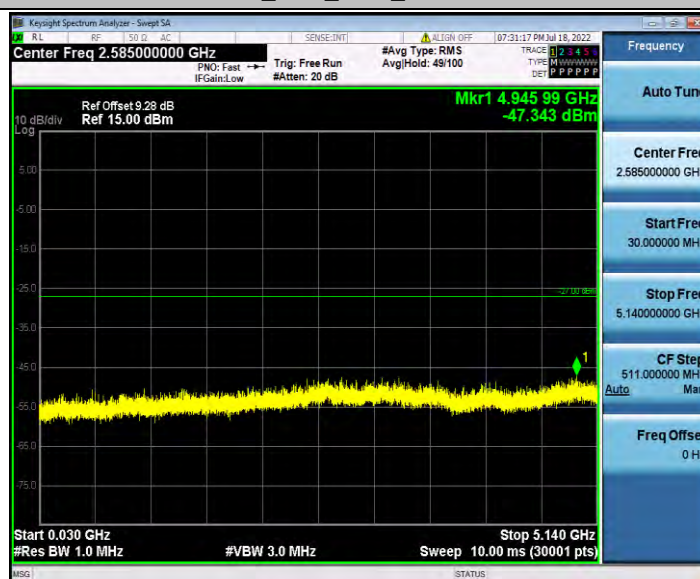
11A_Ant1_5280_30~5140



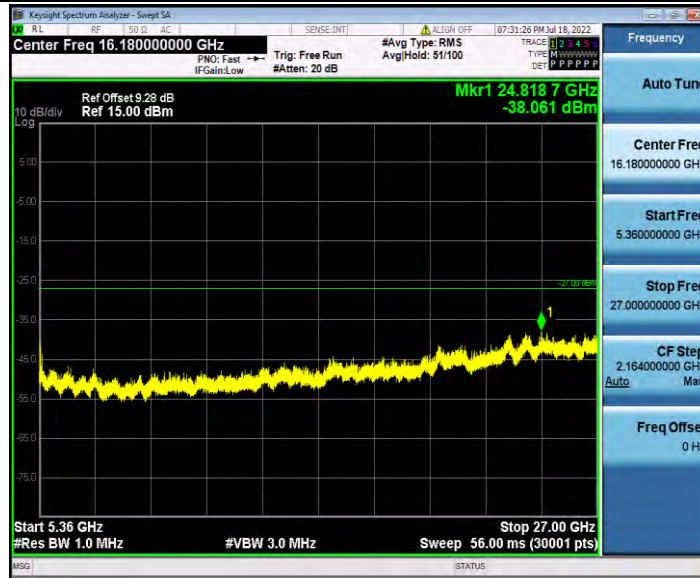
11A_Ant1_5280_5360~40000



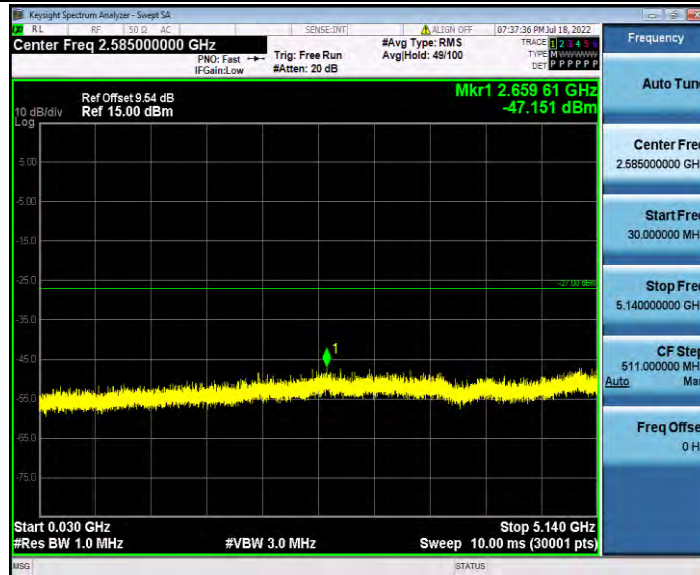
11A_Ant1_5320_30~5140



11A_Ant1_5320_5360~40000



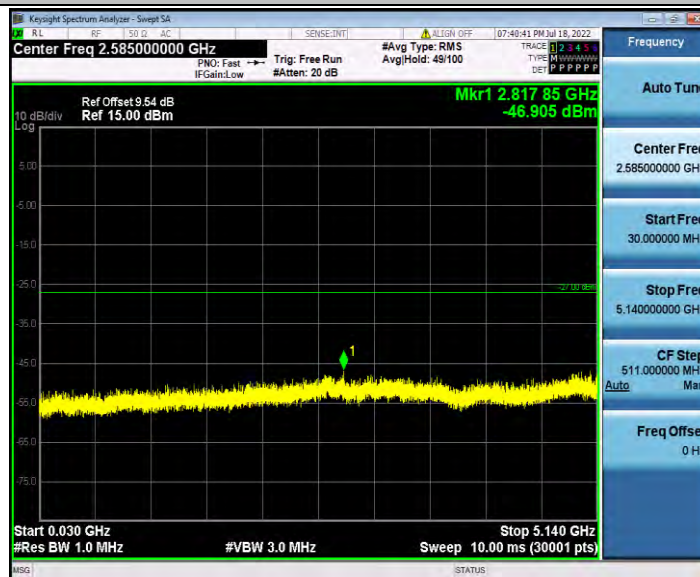
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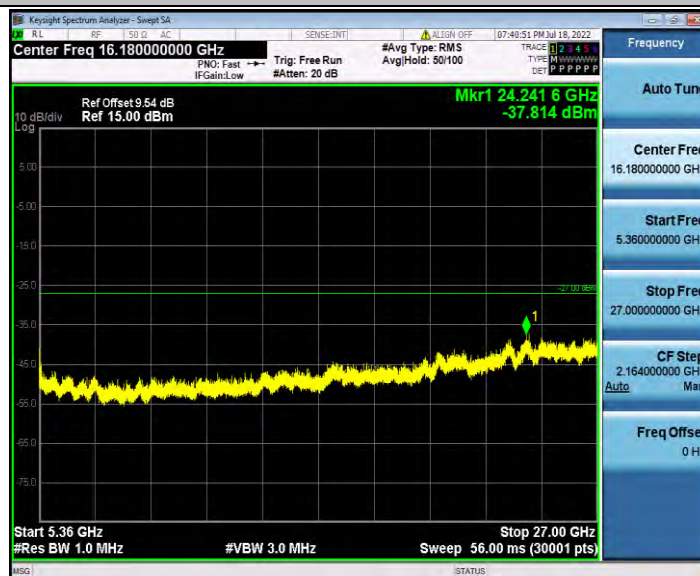
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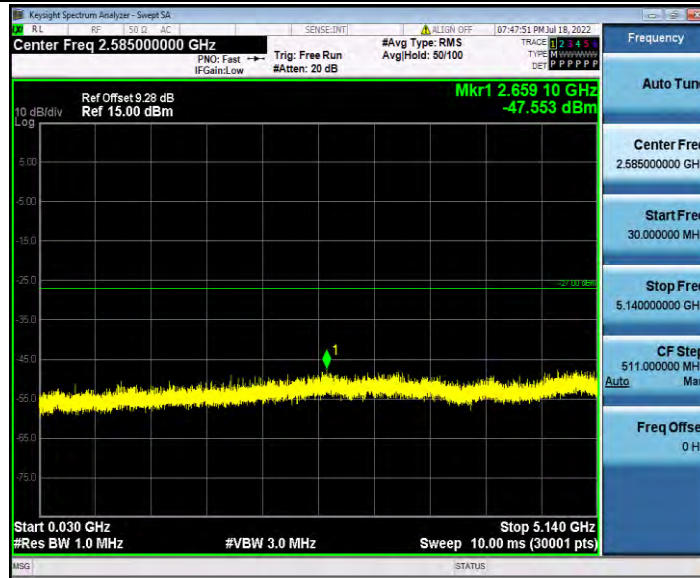
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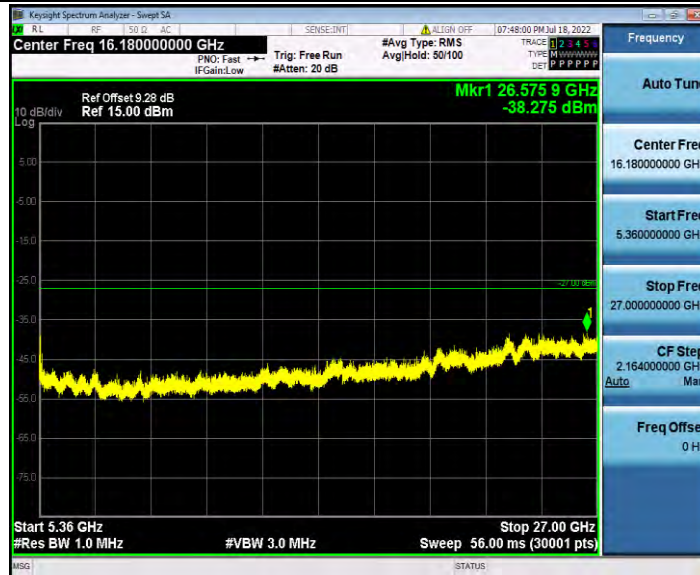
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11N20SISO_Ant1_5320_30~5140



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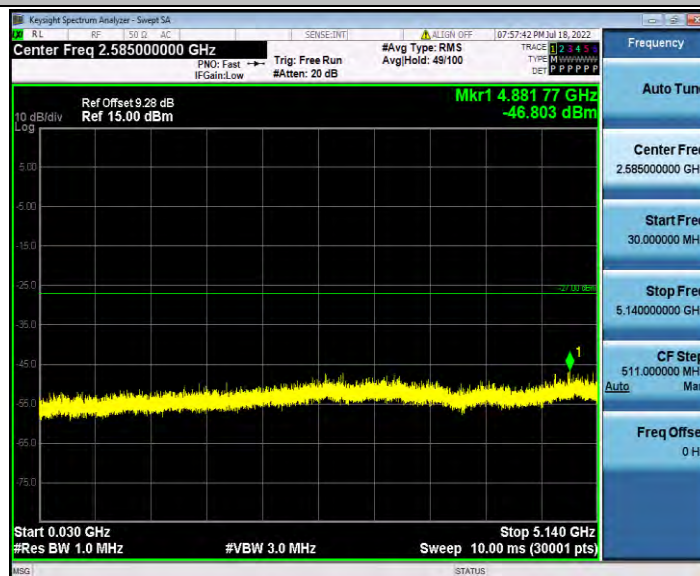
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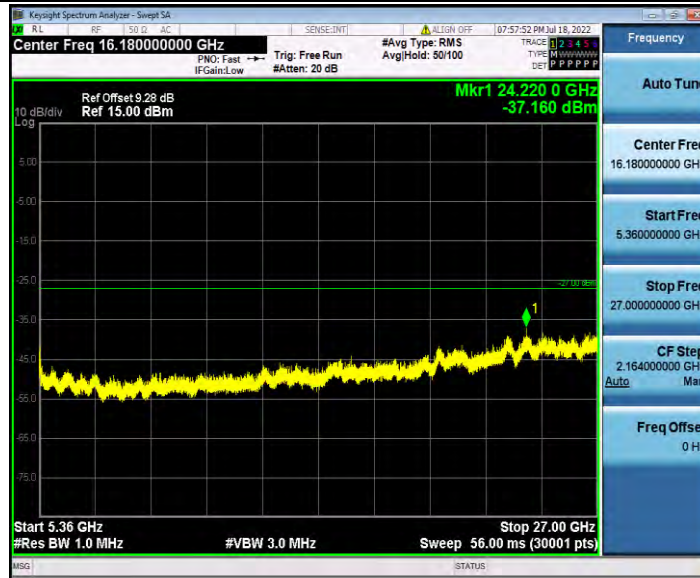
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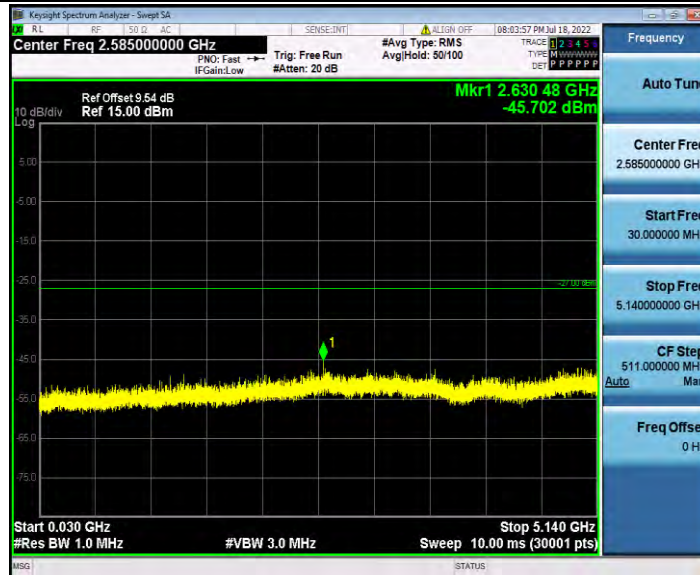
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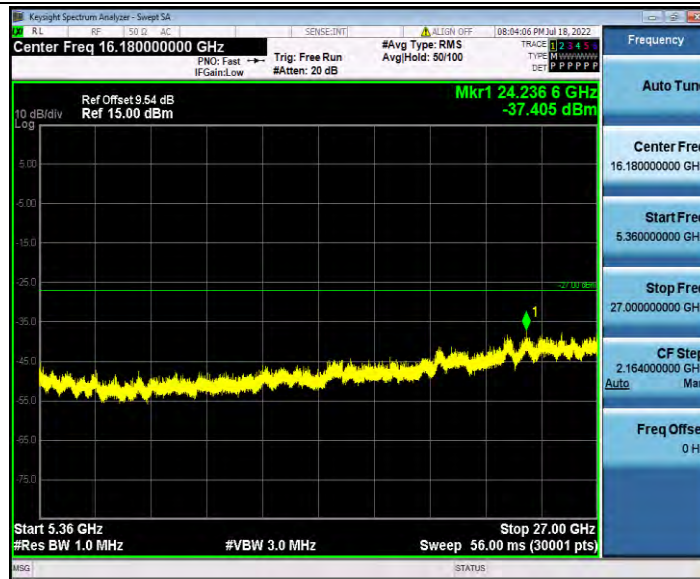
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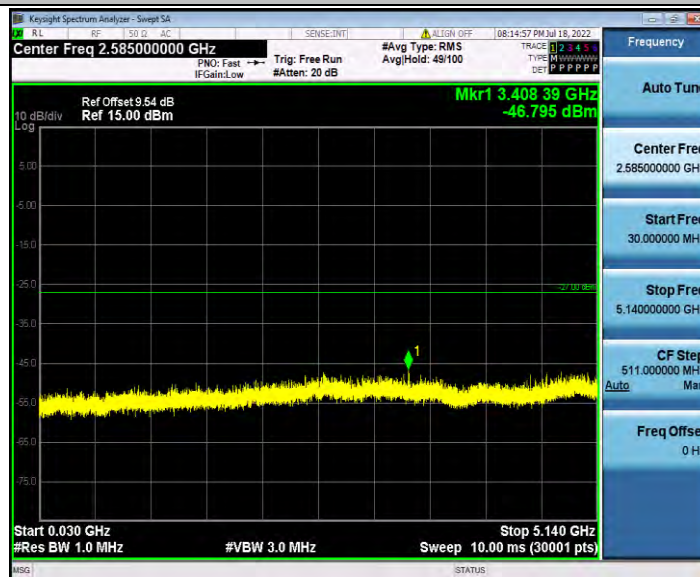
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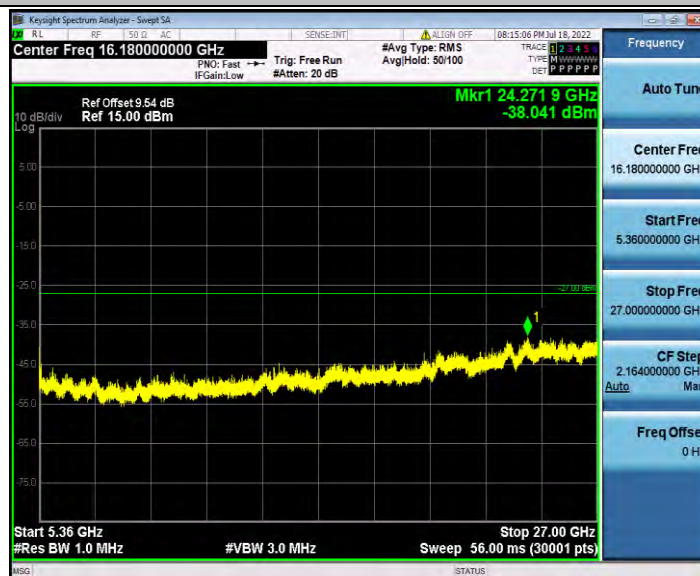
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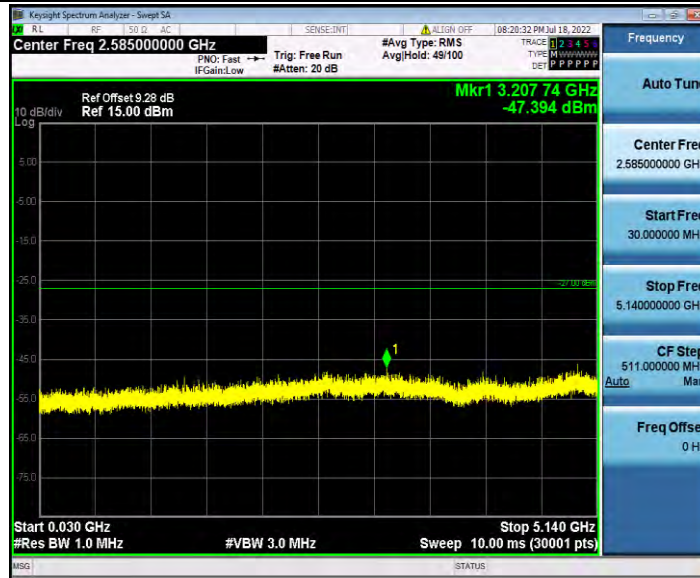
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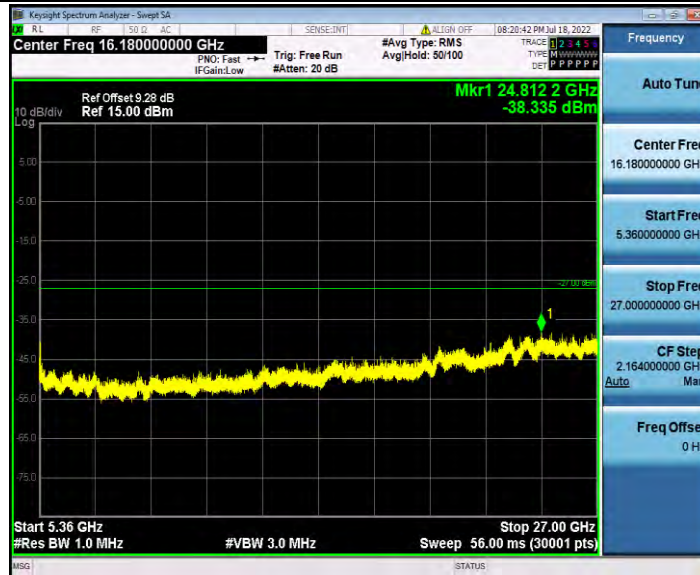
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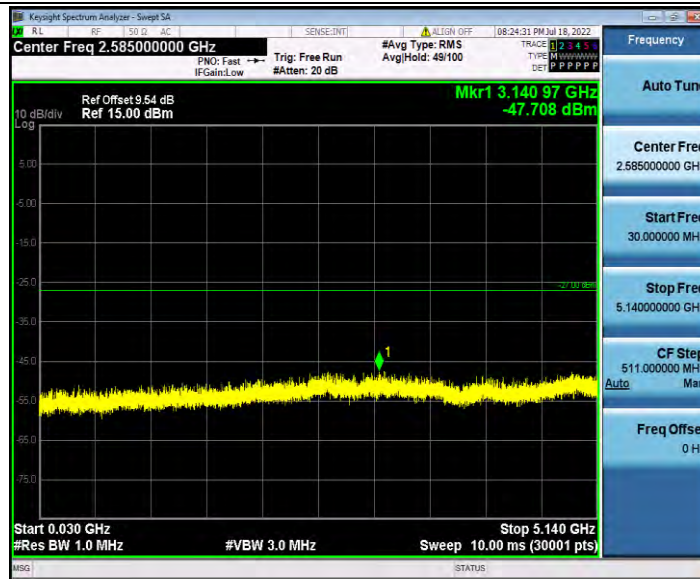
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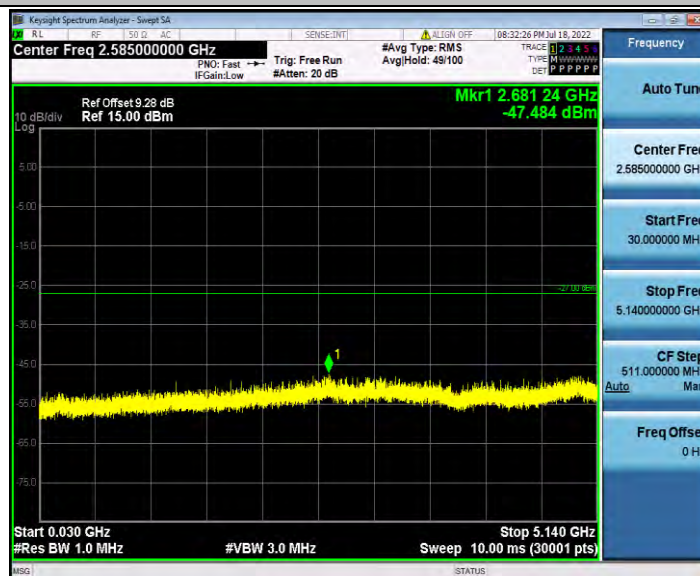
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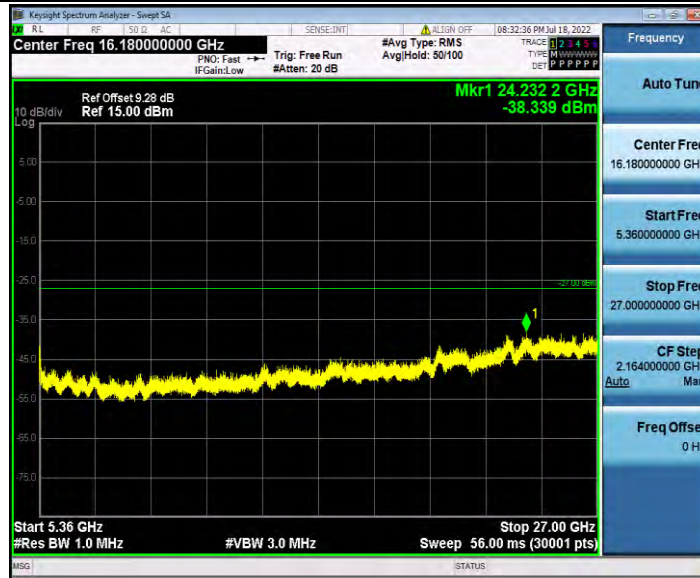
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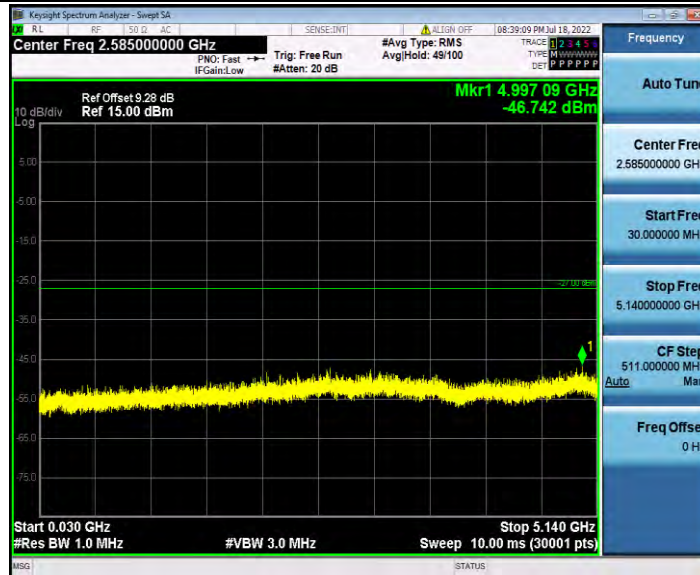
11AC40SISO_Ant1_5310_5140



11AC40SISO_Ant1_5310_5360~40000



11AC80SISO_Ant1_5290_30~5140



11AC80SISO_Ant1_5290_5360~40000

