

Case No. : GTS20220410015-1-4	
Ambient Condition: 25 °C, 45 %RH,	
Test Date: 2022.7.28	Test Engineer: Jenny zeng

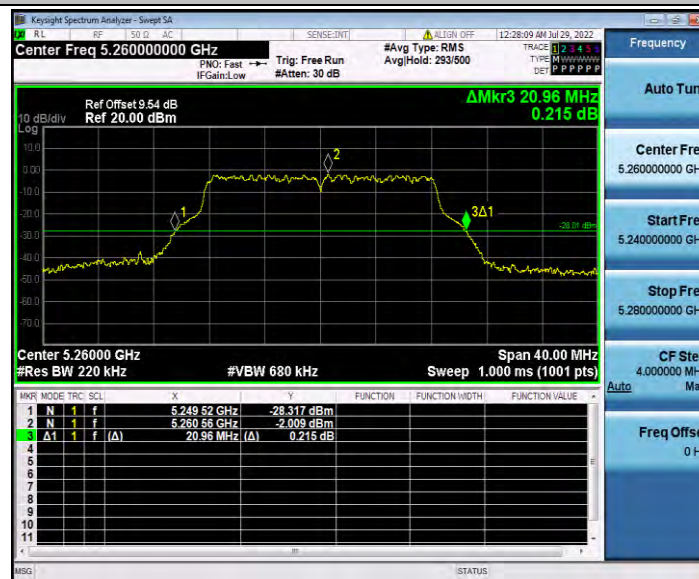
Appendix E.1: Emission Bandwidth

Test Result

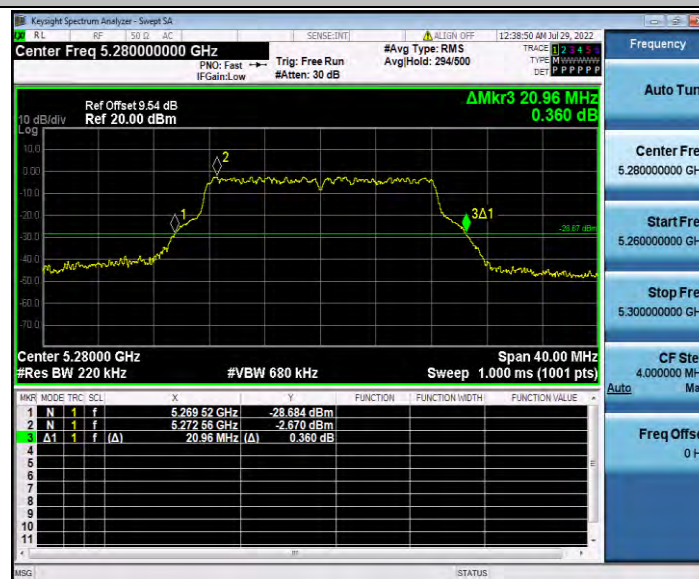
TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	20.960	5249.520	5270.480	---	---
		5280	20.960	5269.520	5290.480	---	---
		5320	21.040	5309.480	5330.520	---	---
11N20SISO	Ant1	5260	21.080	5249.520	5270.600	---	---
		5280	21.120	5269.400	5290.520	---	---
		5320	21.480	5309.200	5330.680	---	---
11N40SISO	Ant1	5270	39.840	5250.160	5290.000	---	---
		5310	39.760	5290.240	5330.000	---	---
11AC20SISO	Ant1	5260	21.240	5249.320	5270.560	---	---
		5280	21.240	5269.280	5290.520	---	---
		5320	21.320	5309.280	5330.600	---	---
11AC40SISO	Ant1	5270	40.160	5249.920	5290.080	---	---
		5310	40.240	5289.920	5330.160	---	---
11AC80SISO	Ant1	5290	81.440	5249.520	5330.960	---	---

Test Graphs

11A_Ant1_5260



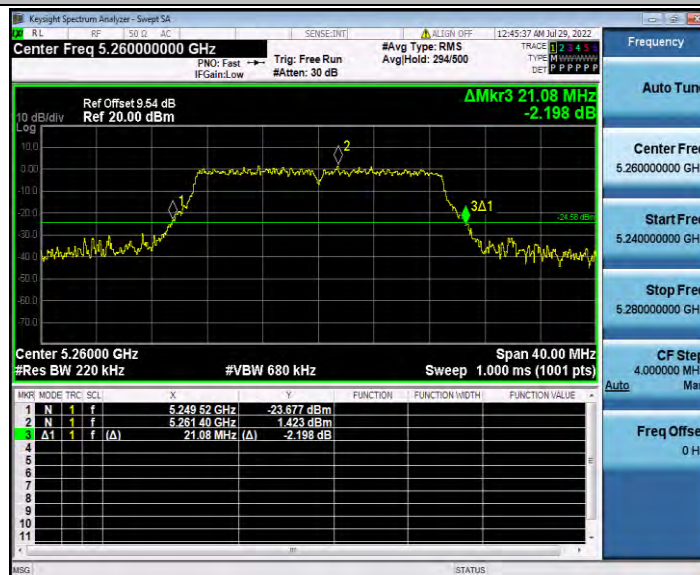
11A_Ant1_5280



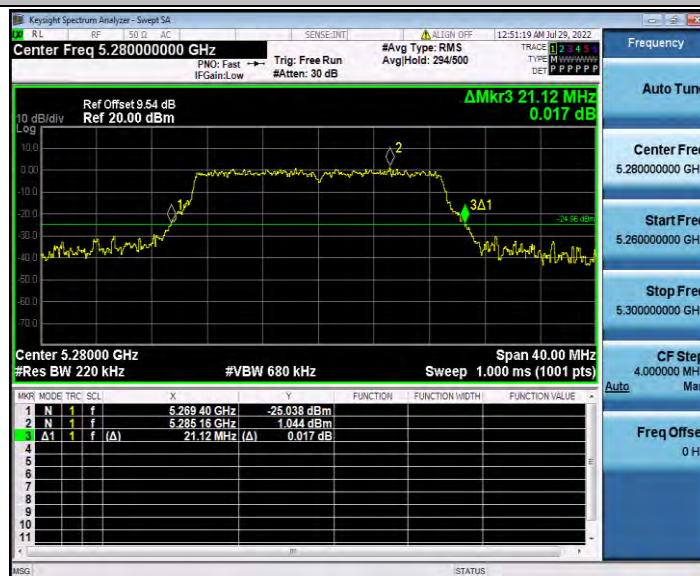
11A_Ant1_5320



11N20SISO_Ant1_5260



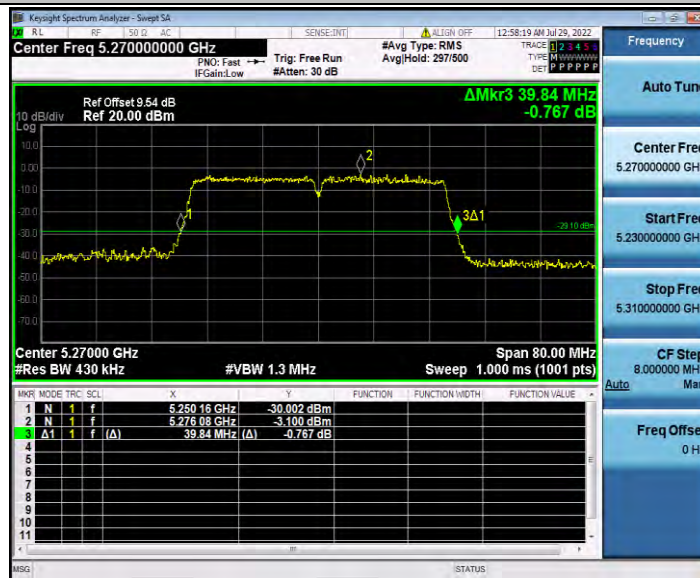
11N20SISO_Ant1_5280



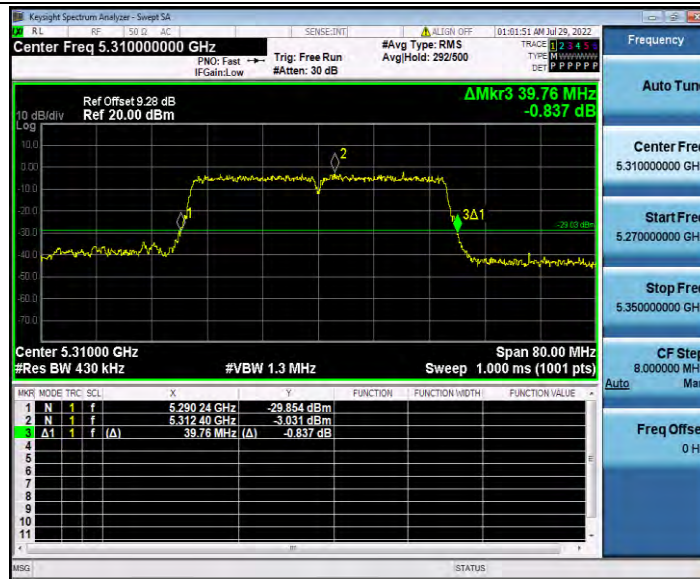
11N20SISO_Ant1_5320



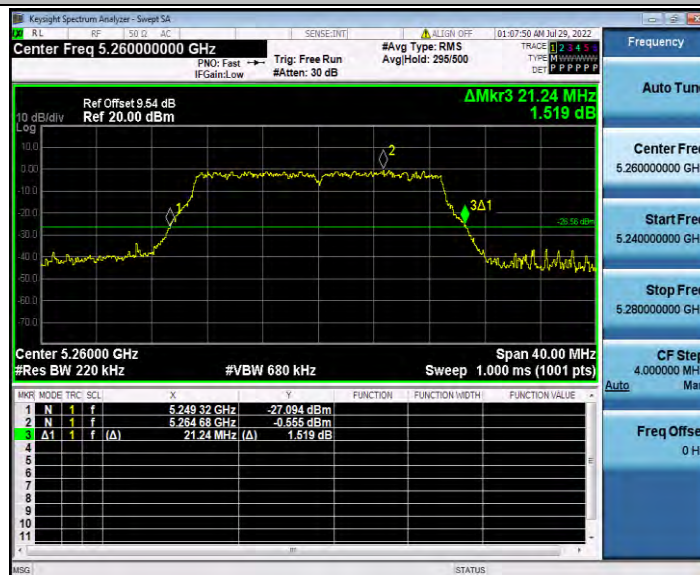
11N40SISO_Ant1_5270



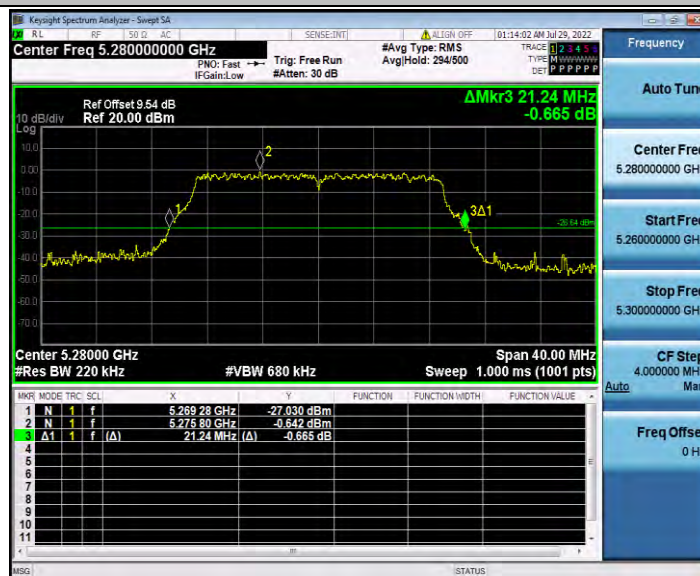
11N40SISO_Ant1_5310



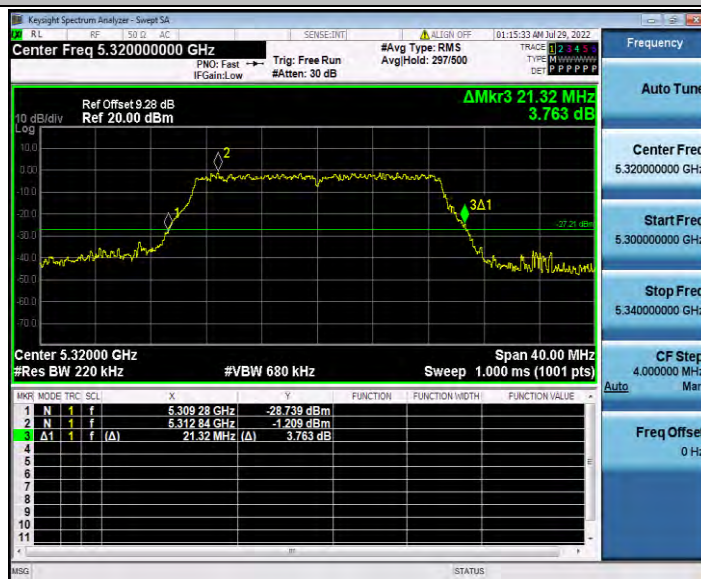
11AC20SISO_Ant1_5260



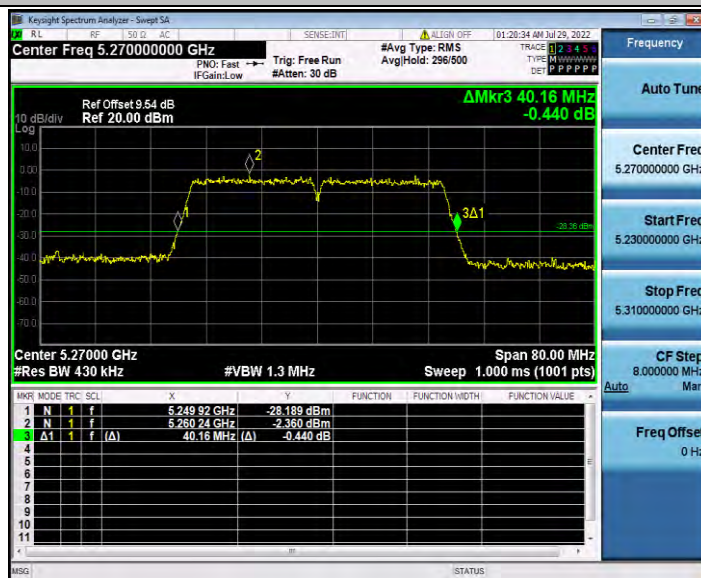
11AC20SISO_Ant1_5280



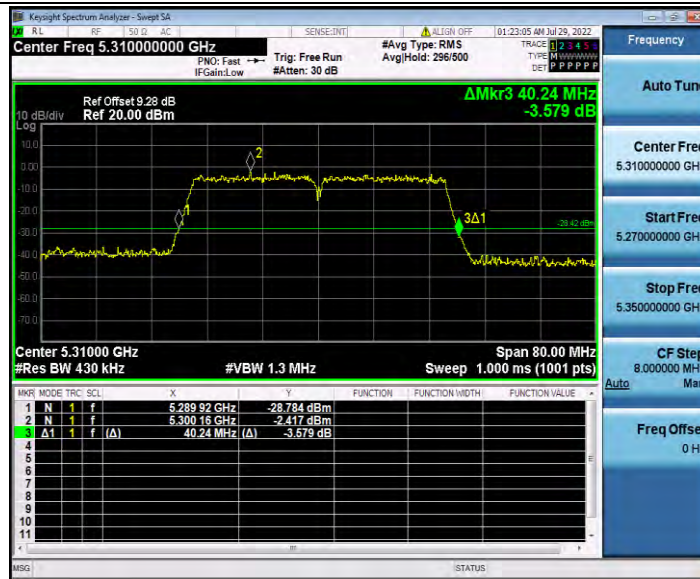
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



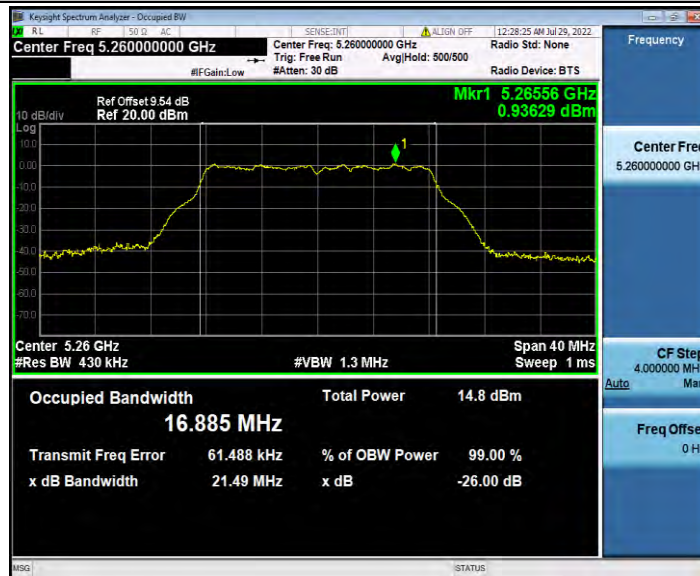
Appendix E.2: Occupied channel bandwidth

Test Result

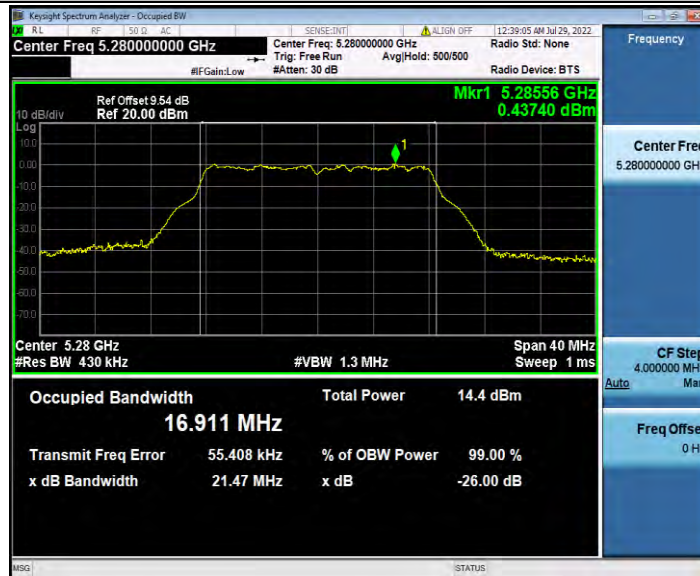
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	16.885	5251.619	5268.504	---	---
		5280	16.911	5271.600	5288.511	---	---
		5320	16.918	5311.626	5328.544	---	---
11N20SISO	Ant1	5260	18.249	5250.904	5269.153	---	---
		5280	18.240	5270.905	5289.145	---	---
		5320	18.268	5310.933	5329.201	---	---
11N40SISO	Ant1	5270	36.474	5251.760	5288.234	---	---
		5310	36.547	5291.784	5328.331	---	---
11AC20SISO	Ant1	5260	18.291	5250.838	5269.129	---	---
		5280	18.272	5270.822	5289.094	---	---
		5320	18.334	5310.847	5329.181	---	---
11AC40SISO	Ant1	5270	36.820	5251.511	5288.331	---	---
		5310	36.893	5291.521	5328.414	---	---
11AC80SISO	Ant1	5290	75.907	5252.155	5328.062	---	---

Test Graphs

11A_Ant1_5260



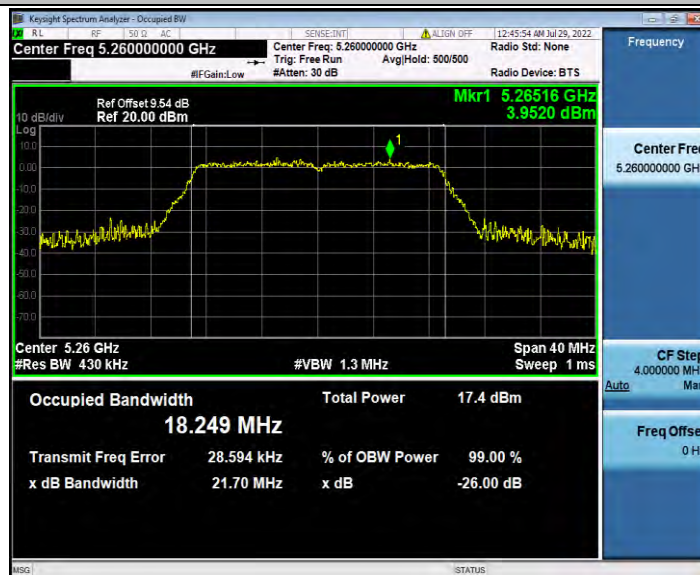
11A_Ant1_5280



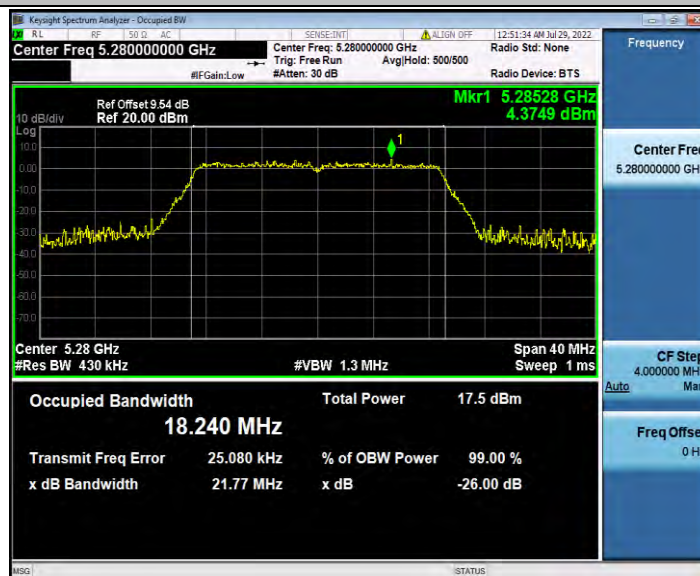
11A_Ant1_5320



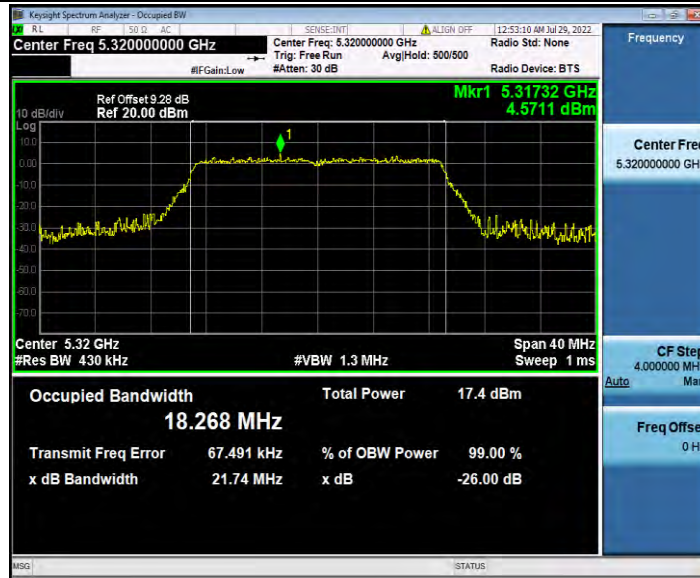
11N20SISO_Ant1_5260



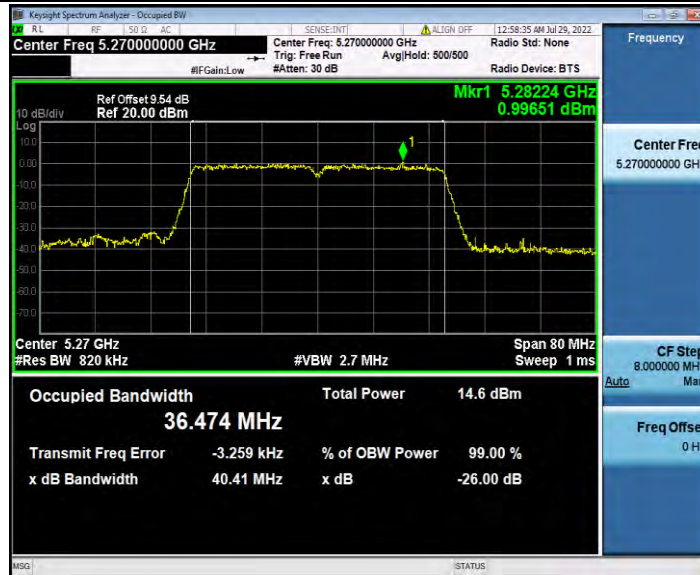
11N20SISO_Ant1_5280



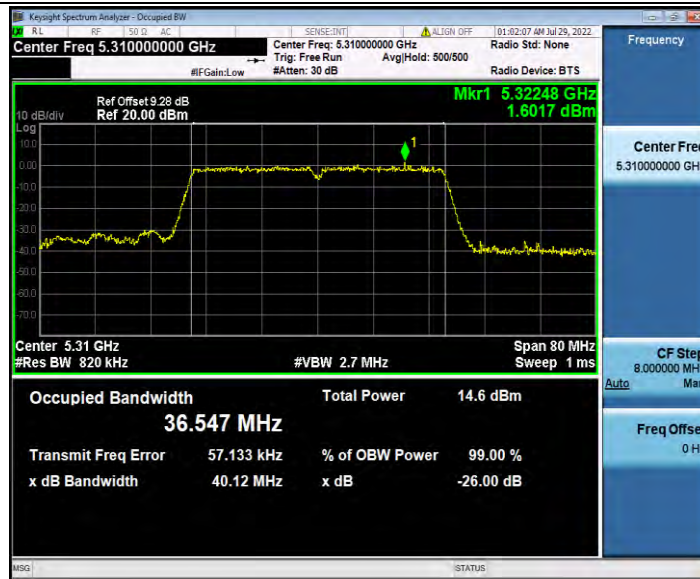
11N20SISO_Ant1_5320



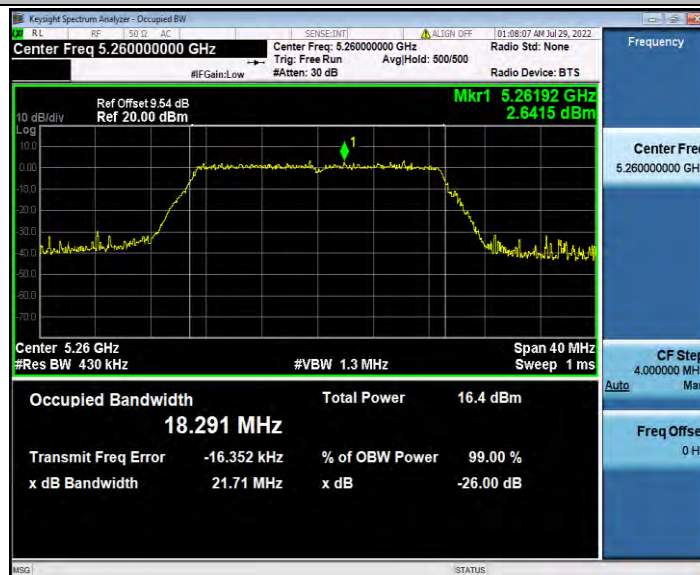
11N40SISO_Ant1_5270



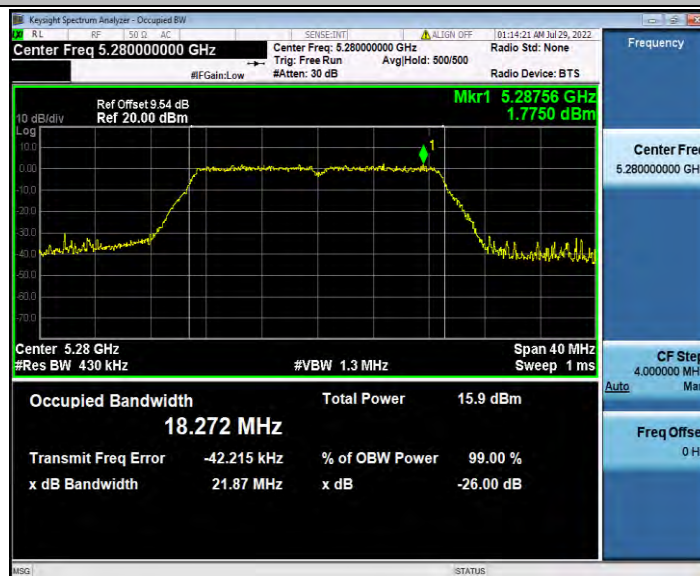
11N40SISO_Ant1_5310



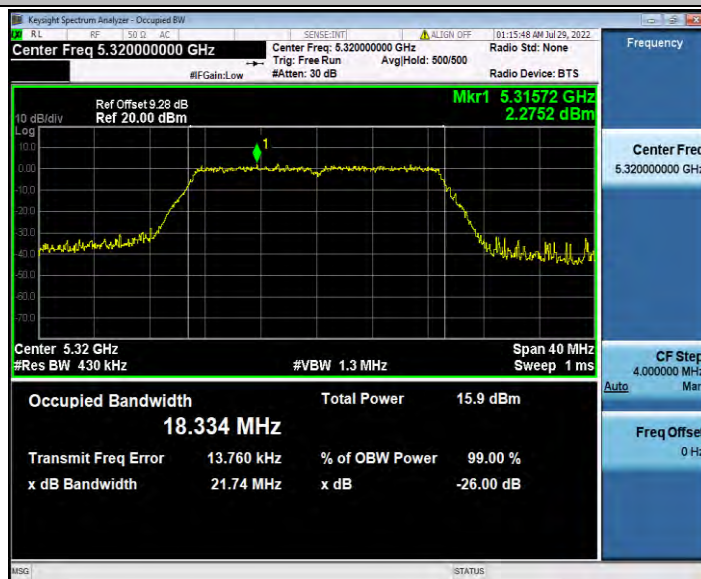
11AC20SISO_Ant1_5260



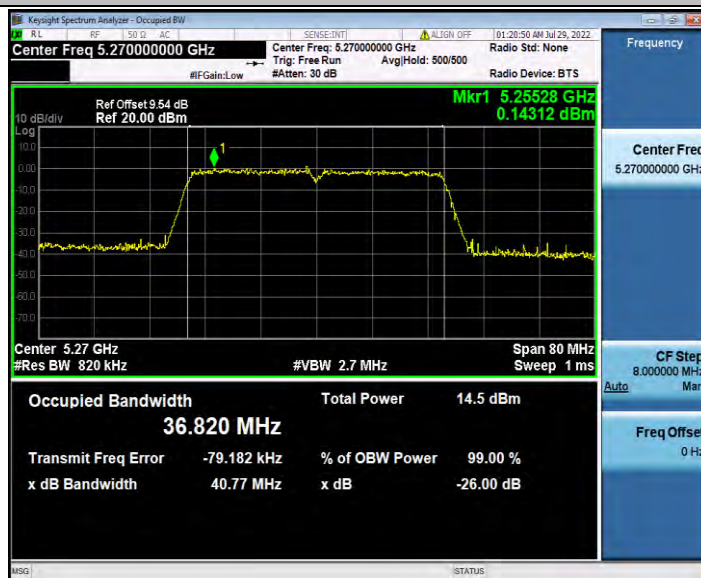
11AC20SISO_Ant1_5280



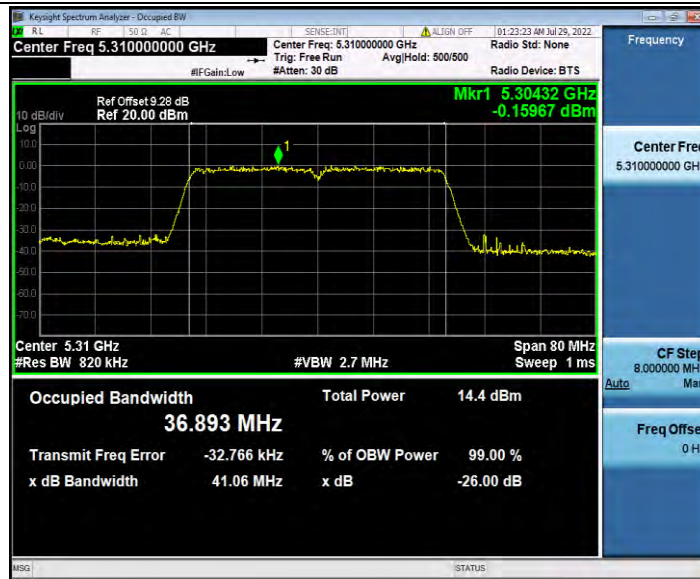
11AC20SISO_Ant1_5320



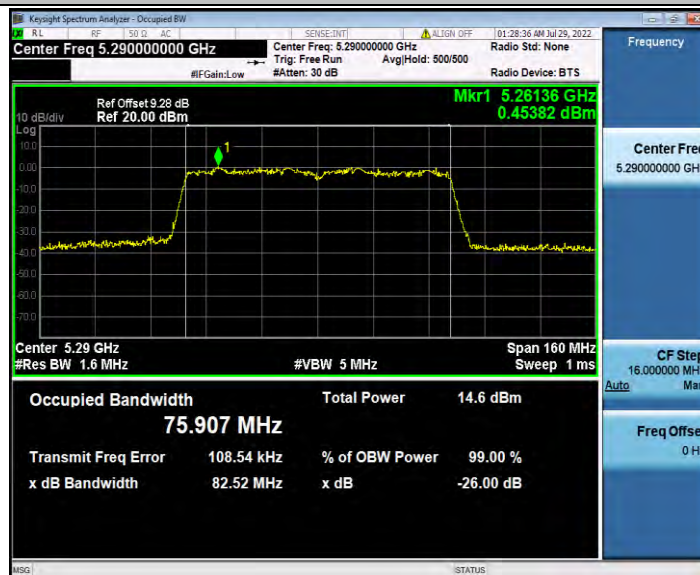
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



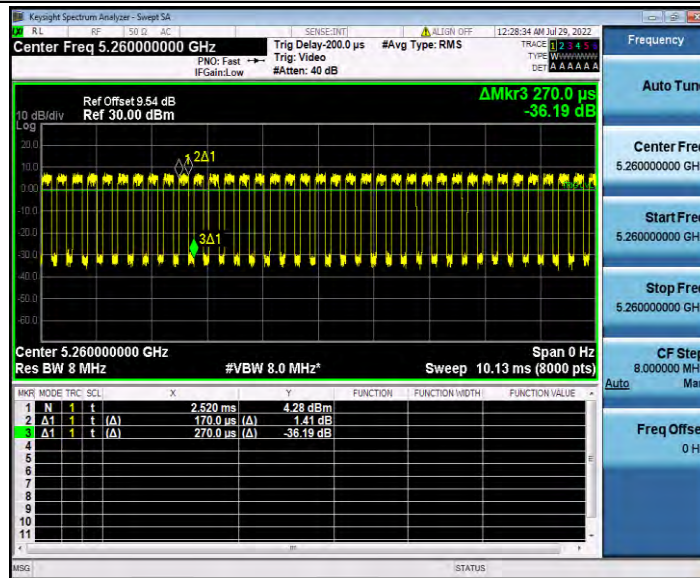
Appendix E.3: Duty Cycle

Test Result

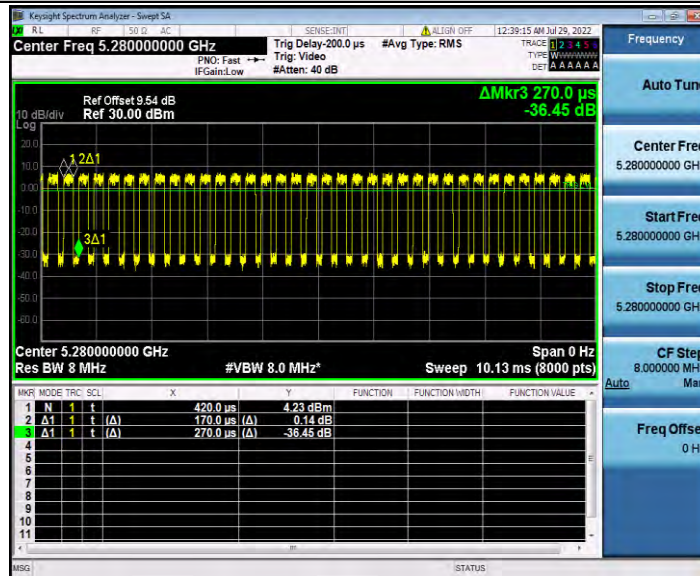
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dBm]
11A	Ant1	5260	0.17	0.27	62.96	2.01
		5280	0.17	0.27	62.96	2.01
		5320	0.18	0.28	64.29	1.92
11N20SISO	Ant1	5260	0.17	0.27	62.96	2.01
		5280	0.16	0.26	61.54	2.11
		5320	0.16	0.26	61.54	2.11
11N40SISO	Ant1	5270	0.10	0.20	50.00	3.01
		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	0.08	0.19	42.11	3.76
		5310	0.09	0.19	47.37	3.24
11AC80SISO	Ant1	5290	0.06	0.16	37.50	4.26

Test Graphs

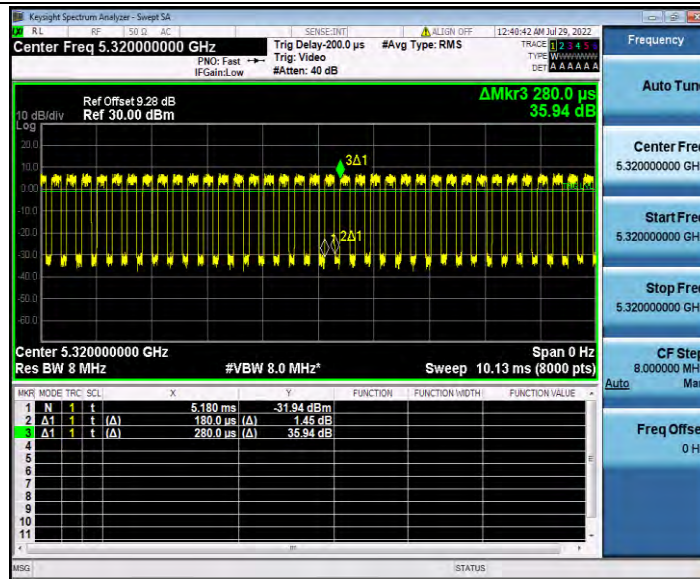
11A_Ant1_5260



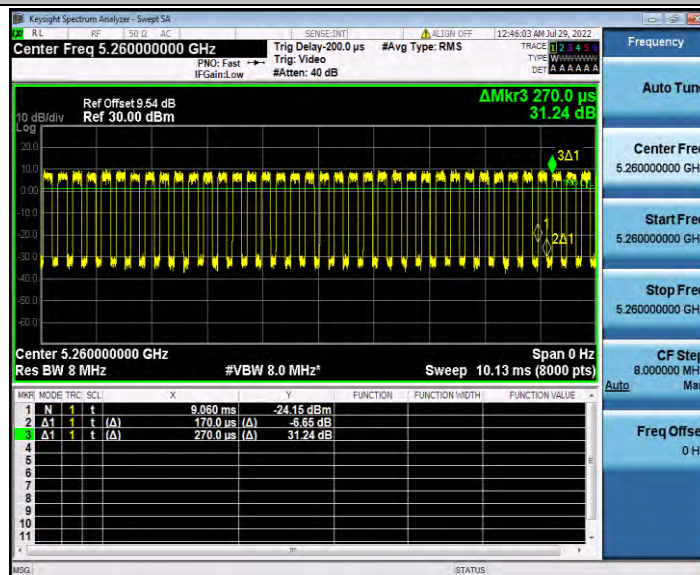
11A_Ant1_5280



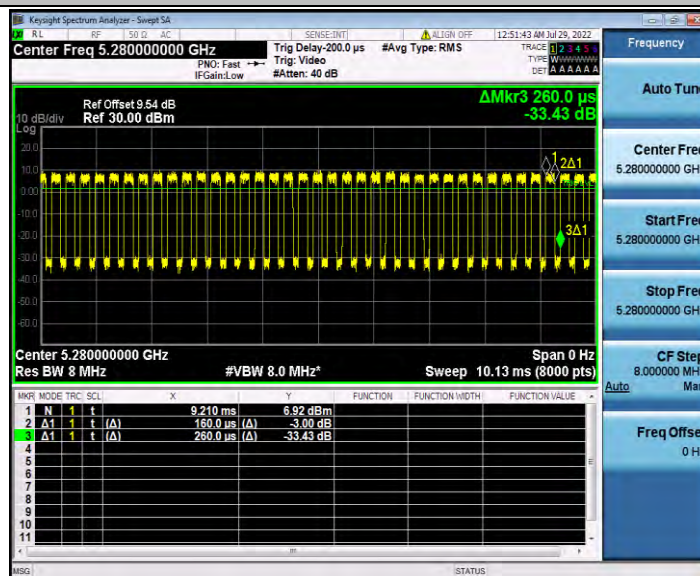
11A_Ant1_5320



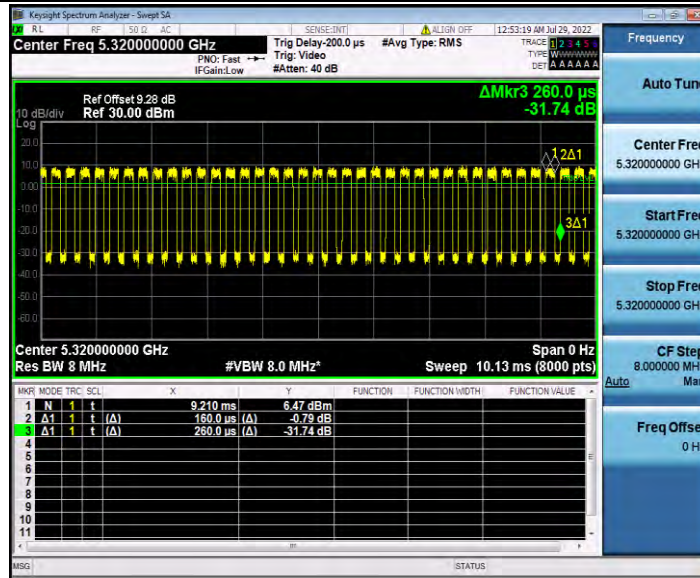
11N20SISO_Ant1_5260



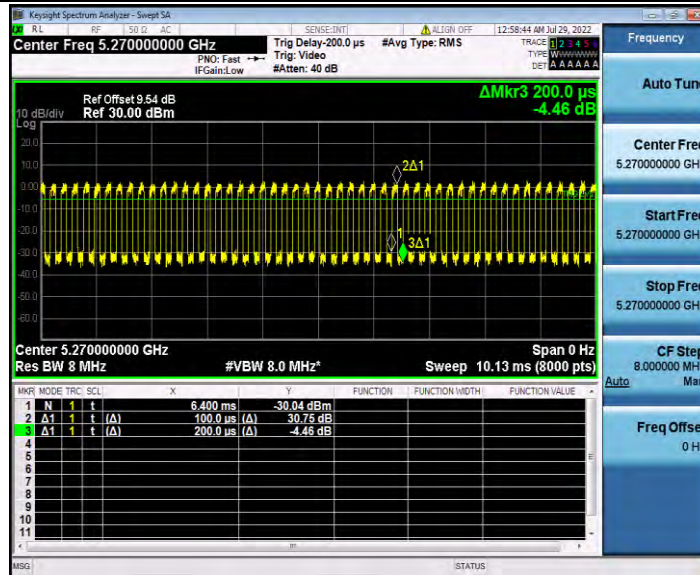
11N20SISO_Ant1_5280



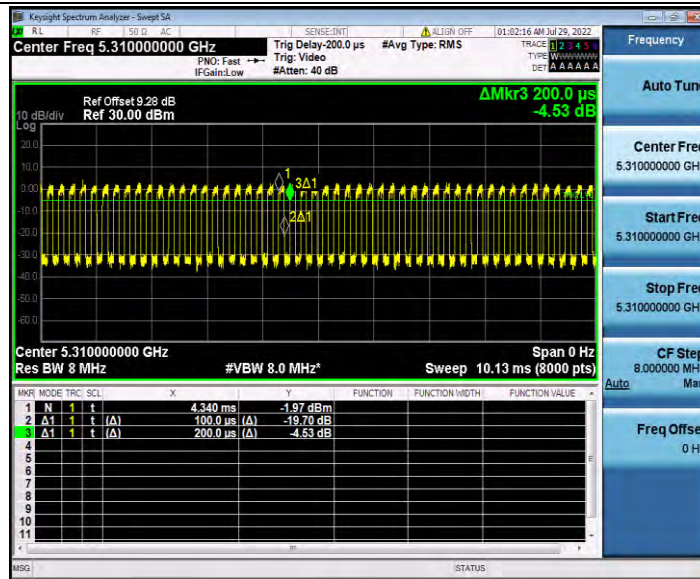
11N20SISO_Ant1_5320



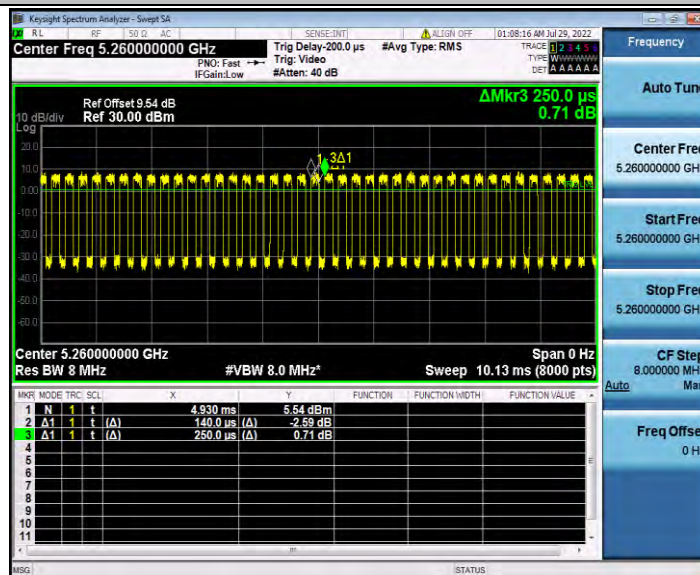
11N40SISO_Ant1_5270



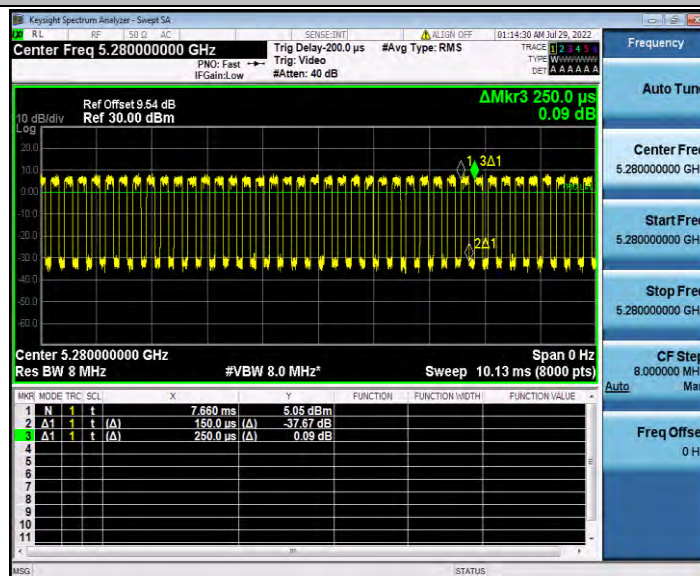
11N40SISO_Ant1_5310



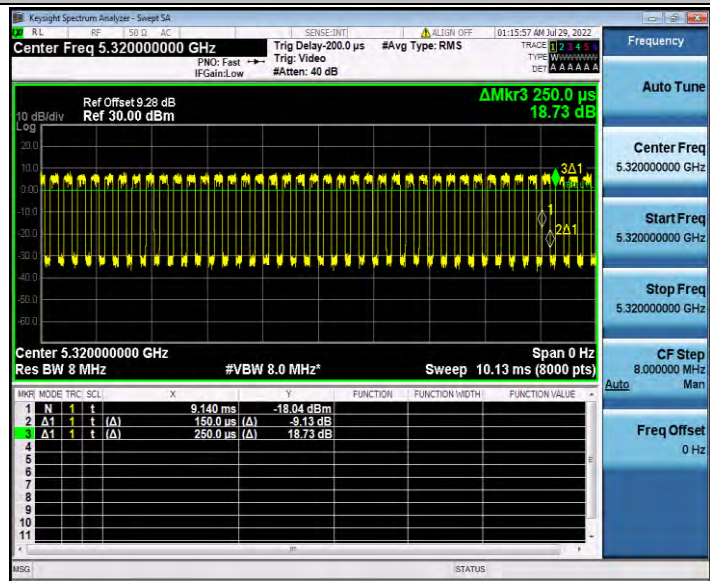
11AC20SISO_Ant1_5260



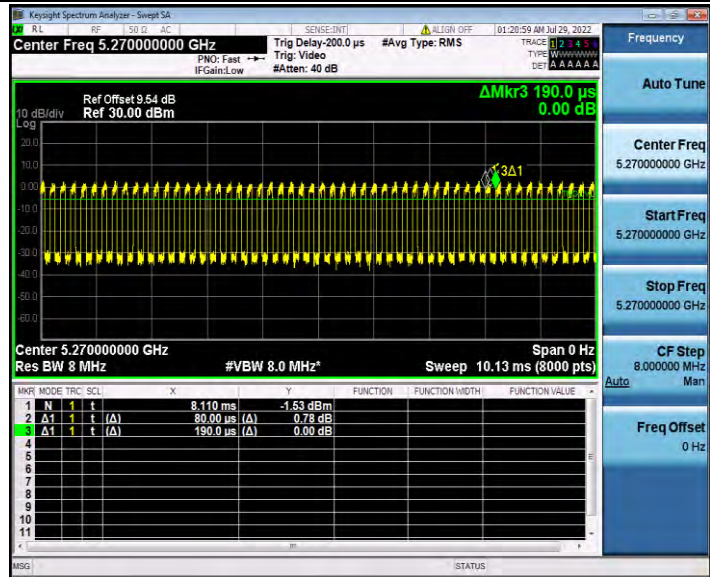
11AC20SISO_Ant1_5280



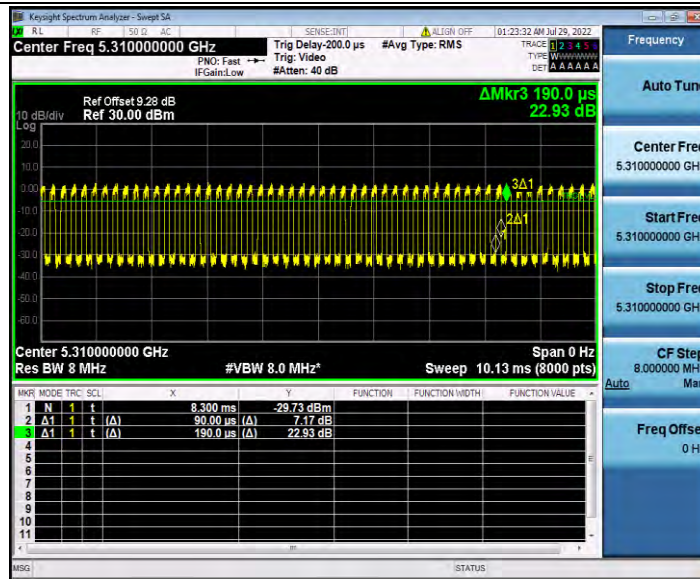
11AC20SISO_Ant1_5320



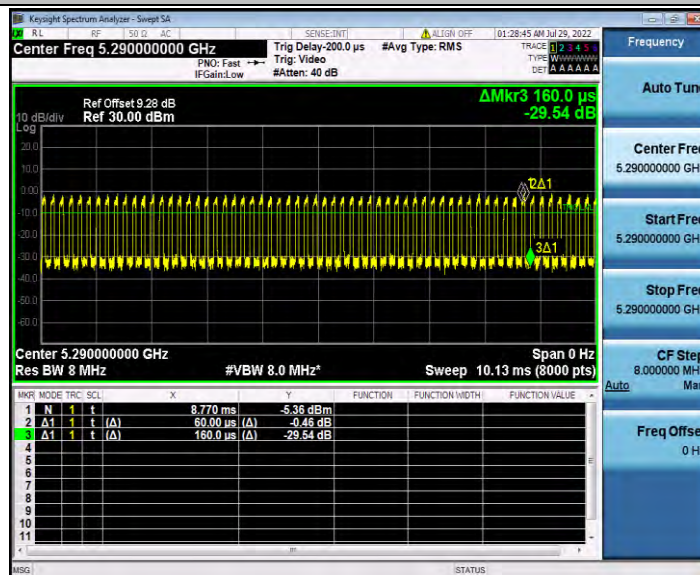
11AC40SISO_Ant1_5270



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	4.83	≤11.00	PASS
		5280	4.35	≤11.00	PASS
		5320	4.3	≤11.00	PASS
11N20SISO	Ant1	5260	6.72	≤11.00	PASS
		5280	7.57	≤11.00	PASS
		5320	6.95	≤11.00	PASS
11N40SISO	Ant1	5270	1.54	≤11.00	PASS
		5310	1.66	≤11.00	PASS
11AC20SISO	Ant1	5260	6.48	≤11.00	PASS
		5280	5.77	≤11.00	PASS
		5320	5.57	≤11.00	PASS
11AC40SISO	Ant1	5270	2.2	≤11.00	PASS
		5310	1.62	≤11.00	PASS
11AC80SISO	Ant1	5290	-0.76	≤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

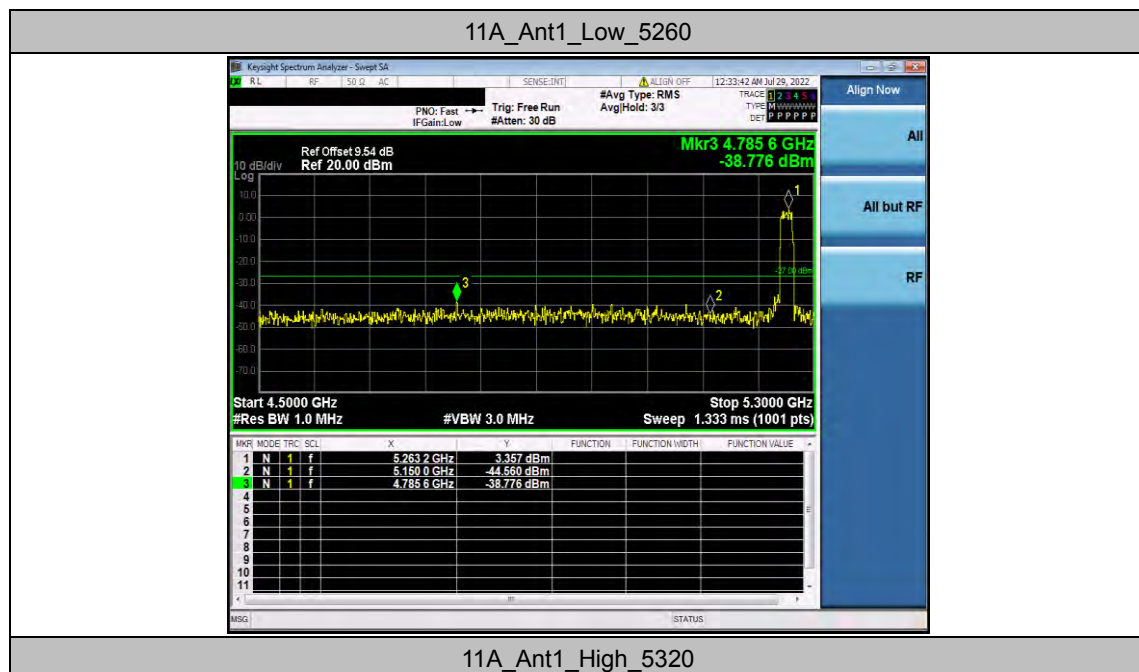


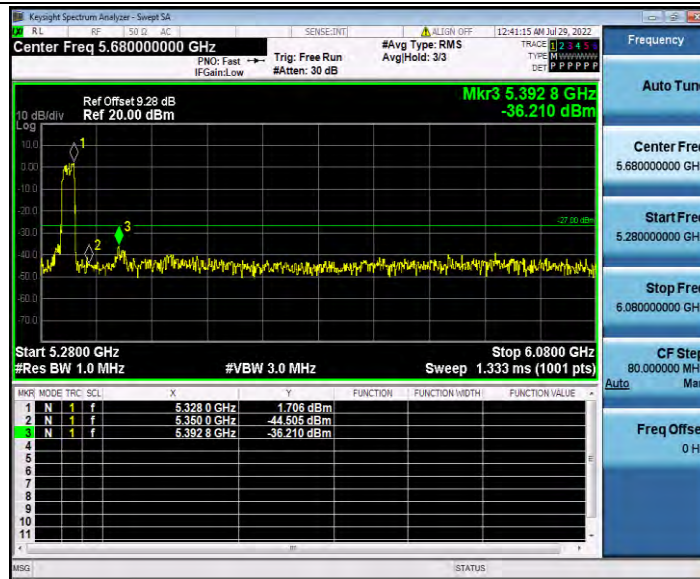
Appendix E.5: Band edge measurements

Test Result B2

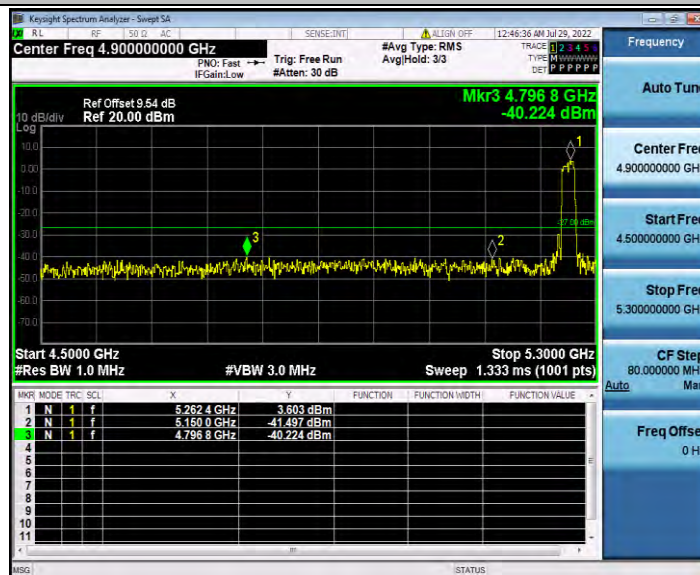
TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5260	-38.78	≤-27	PASS
		High	5320	-36.21	≤-27	PASS
11N20SISO	Ant1	Low	5260	-40.22	≤-27	PASS
		High	5320	-37.71	≤-27	PASS
11N40SISO	Ant1	Low	5270	-40.23	≤-27	PASS
		High	5310	-39.88	≤-27	PASS
11AC20SISO	Ant1	Low	5260	-38.38	≤-27	PASS
		High	5320	-38.75	≤-27	PASS
11AC40SISO	Ant1	Low	5270	-39.8	≤-27	PASS
		High	5310	-39.51	≤-27	PASS
11AC80SISO	Ant1	Low	5290	-39.69	≤-27	PASS
	Ant1	High	5290	-40.86	≤-27	PASS

Test Graphs B2

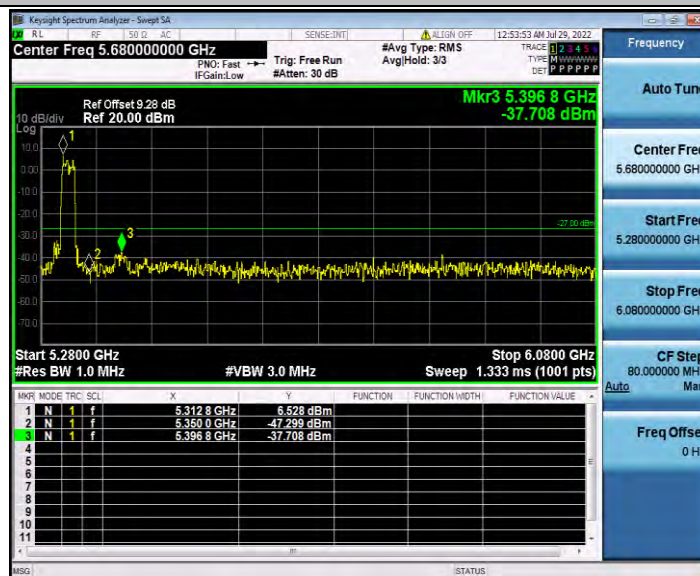




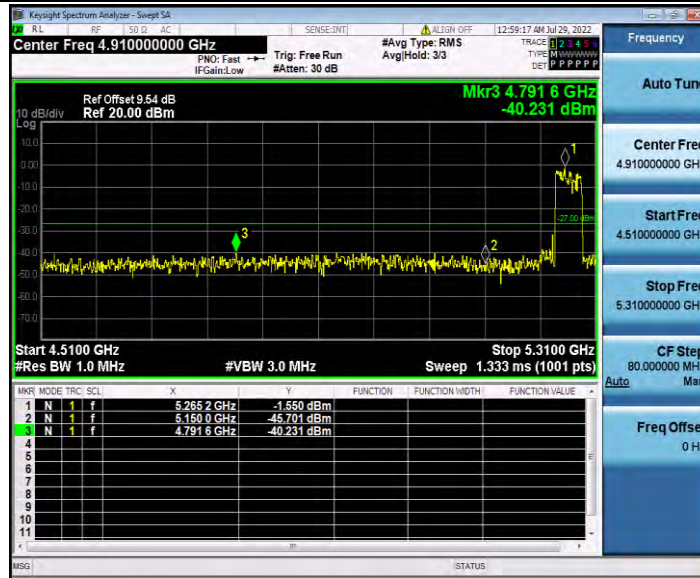
11N20SISO_Ant1_Low_5260



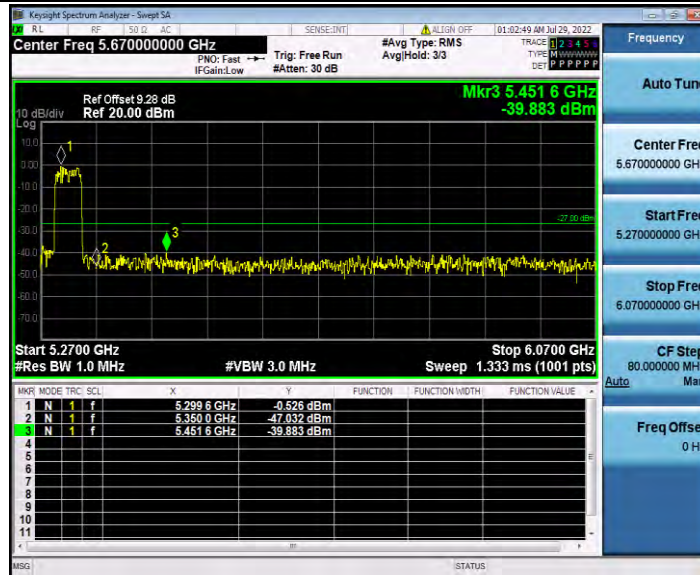
11N20SISO_Ant1_High_5320



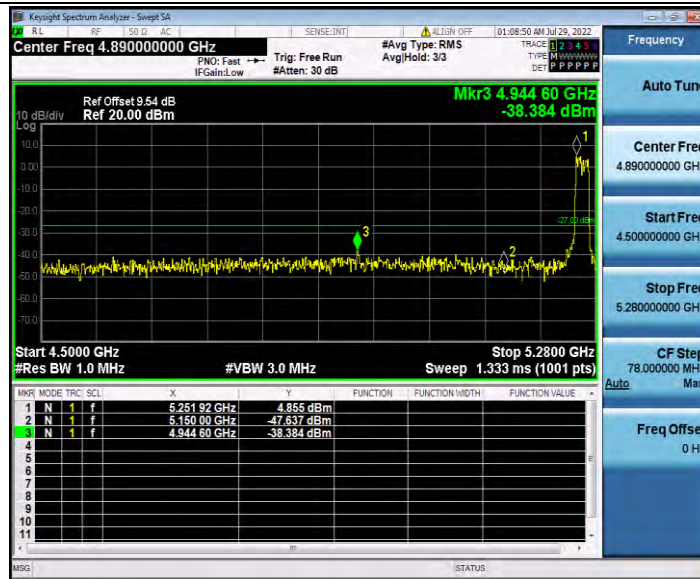
11N40SISO_Ant1_Low_5270



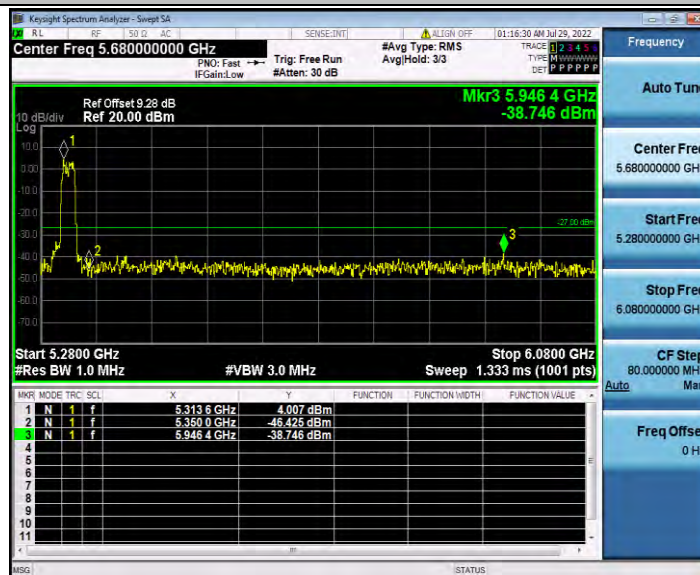
11N40SISO_Ant1_High_5310



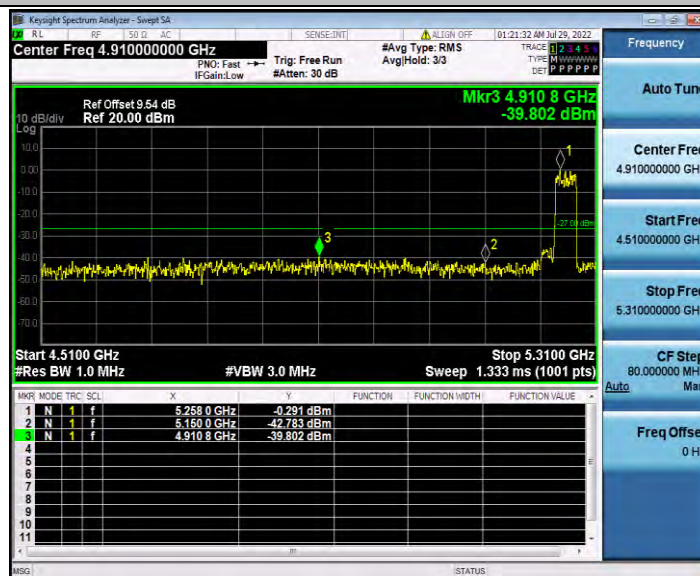
11AC20SISO_Ant1_Low_5260



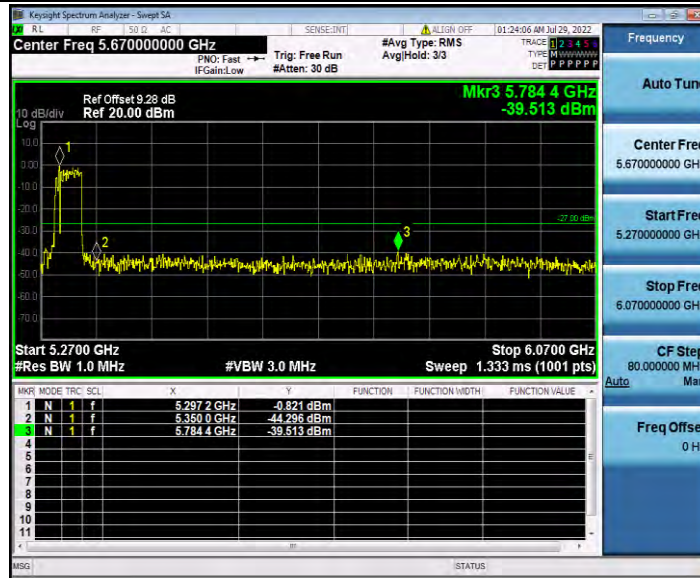
11AC20SISO_Ant1_High_5320



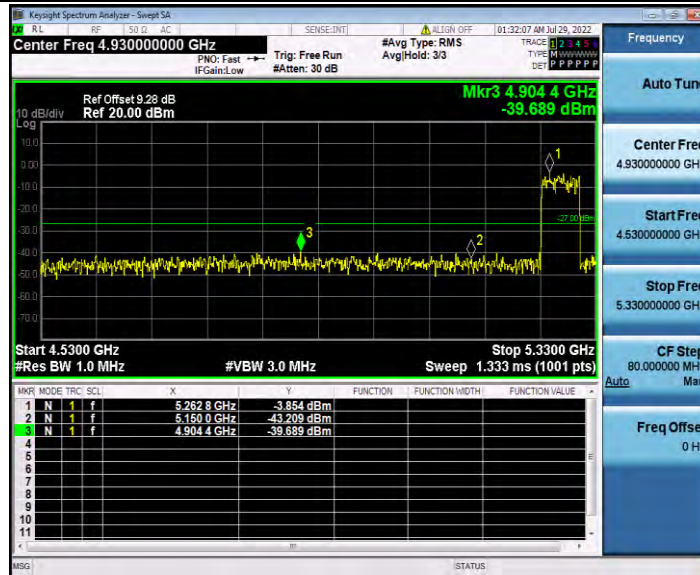
11AC40SISO_Ant1_Low_5270



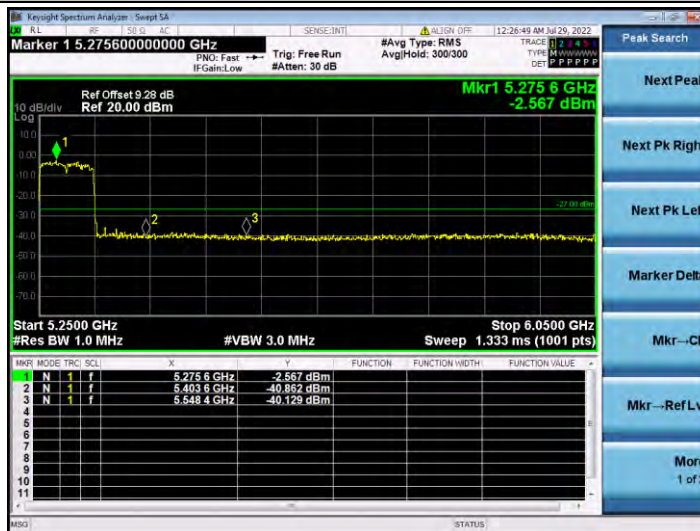
11AC40SISO_Ant1_High_5310



11AC80SISO_Ant1_Low_5290



11AC80SISO_Ant1_High_5290



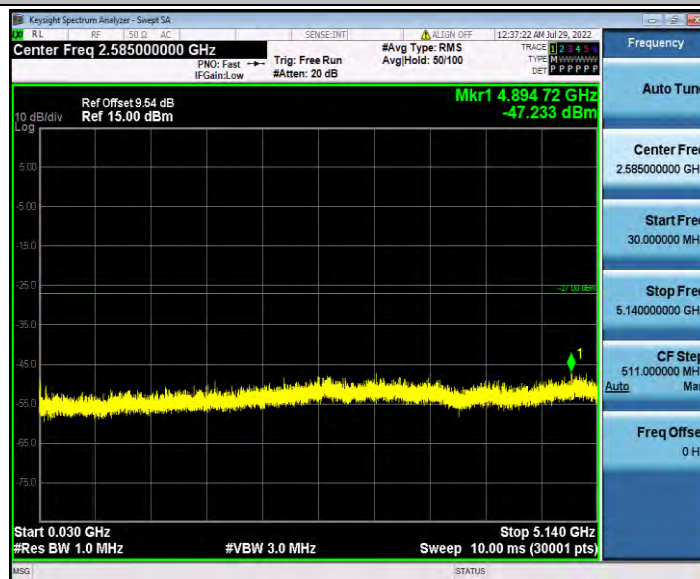
Appendix E.6: Conducted Spurious Emission

Test Result

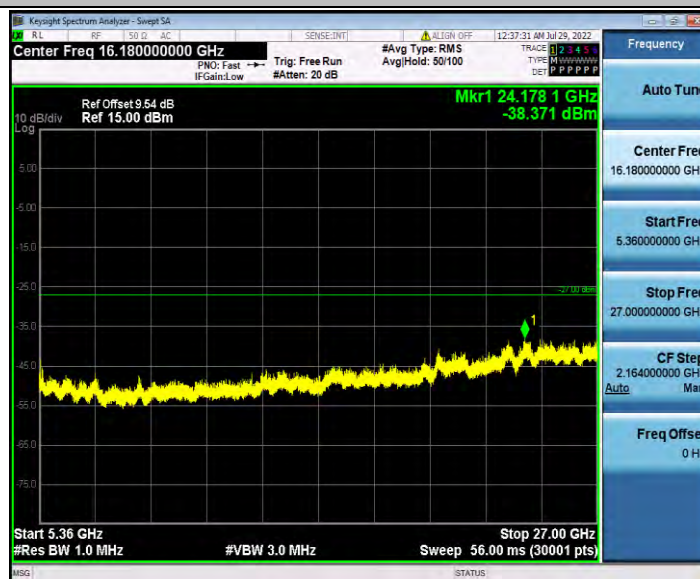
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	30~5140	4894.72	-47.23	≤-27	PASS
			5360~40000	24178.14	-38.37	≤-27	PASS
		5280	30~5140	40.22	-45.95	≤-27	PASS
			5360~40000	23420.74	-38.5	≤-27	PASS
		5320	30~5140	41.24	-45.48	≤-27	PASS
			5360~40000	5388.13	-38.51	≤-27	PASS
11N20SISO	Ant1	5260	30~5140	4962.68	-47.74	≤-27	PASS
			5360~40000	26658.81	-37.89	≤-27	PASS
		5280	30~5140	40.56	-46.12	≤-27	PASS
			5360~40000	24867.74	-37.81	≤-27	PASS
		5320	30~5140	2440.9	-43.11	≤-27	PASS
			5360~40000	5398.23	-36.57	≤-27	PASS
11N40SISO	Ant1	5270	30~5140	39.71	-45.72	≤-27	PASS
			5360~40000	24200.51	-37.88	≤-27	PASS
		5310	30~5140	3093.1	-46.9	≤-27	PASS
			5360~40000	25725.4	-38.31	≤-27	PASS
11AC20SISO	Ant1	5260	30~5140	40.05	-44.41	≤-27	PASS
			5360~40000	25172.14	-38.03	≤-27	PASS
		5280	30~5140	2411.6	-46.33	≤-27	PASS
			5360~40000	26940.85	-37.61	≤-27	PASS
		5320	30~5140	40.73	-45.31	≤-27	PASS
			5360~40000	26961.05	-37.83	≤-27	PASS
11AC40SISO	Ant1	5270	30~5140	40.05	-45.17	≤-27	PASS
			5360~40000	24854.75	-38.38	≤-27	PASS
		5310	30~5140	40.73	-45.7	≤-27	PASS
			5360~40000	24958.63	-38.25	≤-27	PASS
11AC80SISO	Ant1	5290	30~5140	40.9	-46.28	≤-27	PASS
			5360~40000	26547	-38.49	≤-27	PASS

Test Graphs

11A_Ant1_5260_30~5140



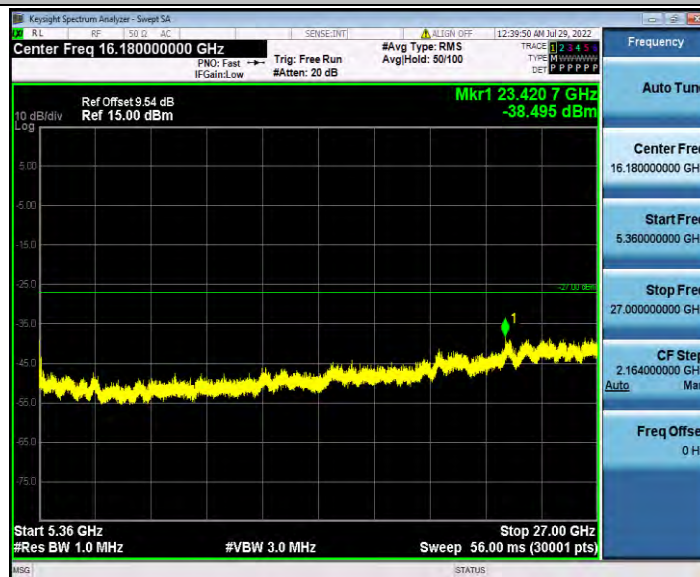
11A_Ant1_5260_5360~40000



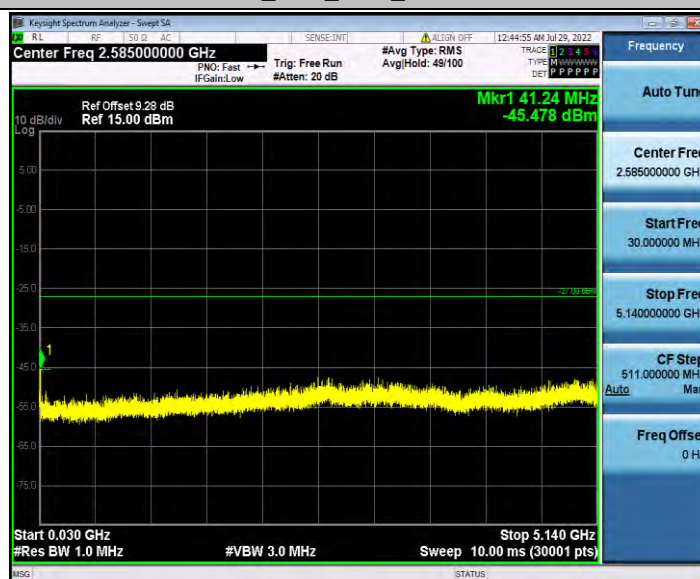
11A_Ant1_5280_30~5140



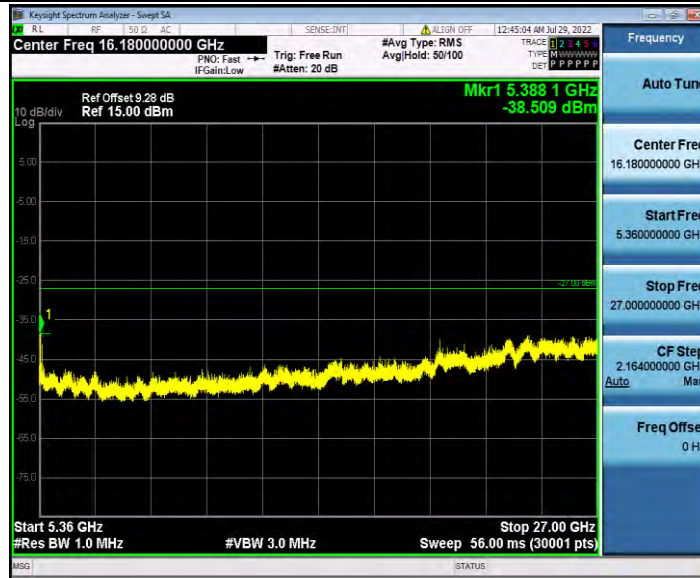
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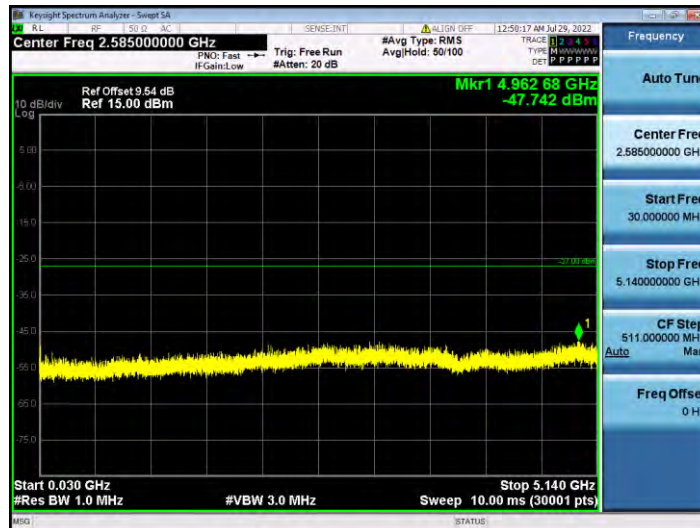
11A_Ant1_5320_30~5140



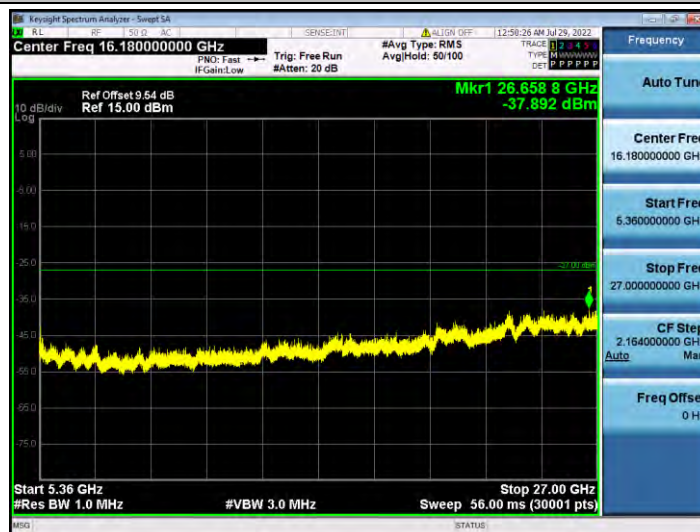
11A_Ant1_5320_5360~40000



11N20SISO_Ant1_5260_30~5140



11N20SISO_Ant1_5260_5360~40000



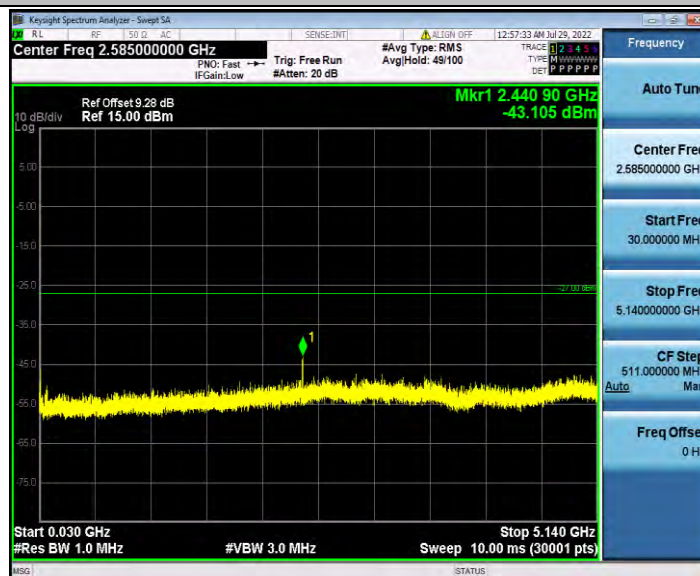
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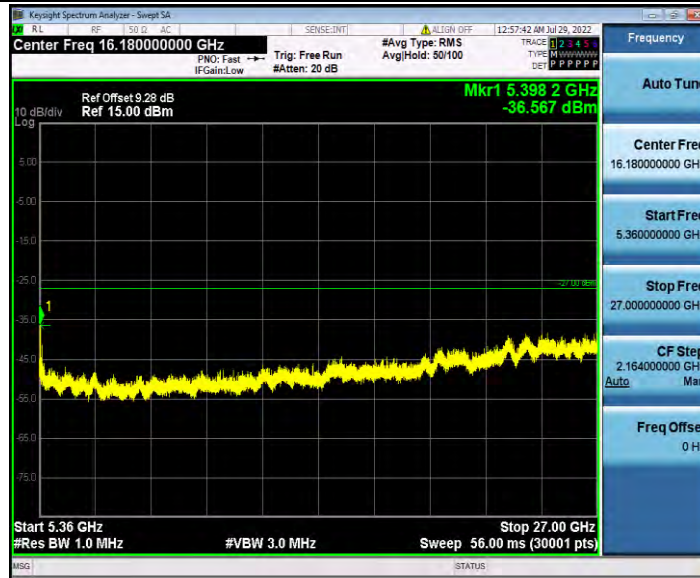
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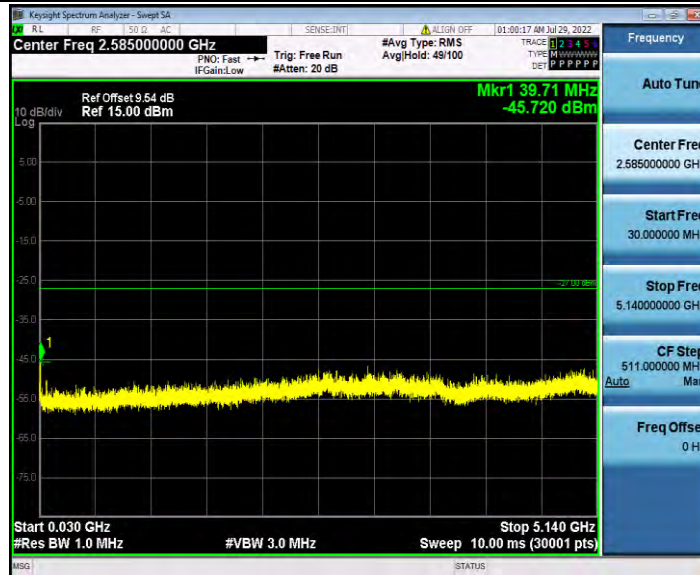
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11N20SISO_Ant1_5320_5360~40000



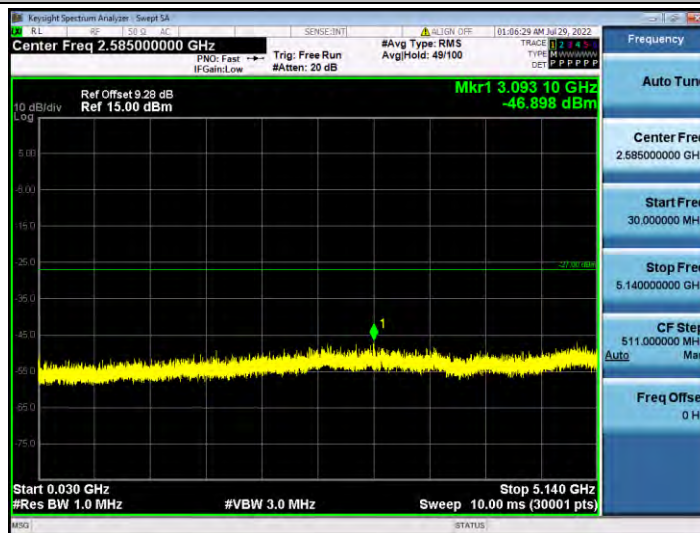
11N40SISO_Ant1_5270_30~5140



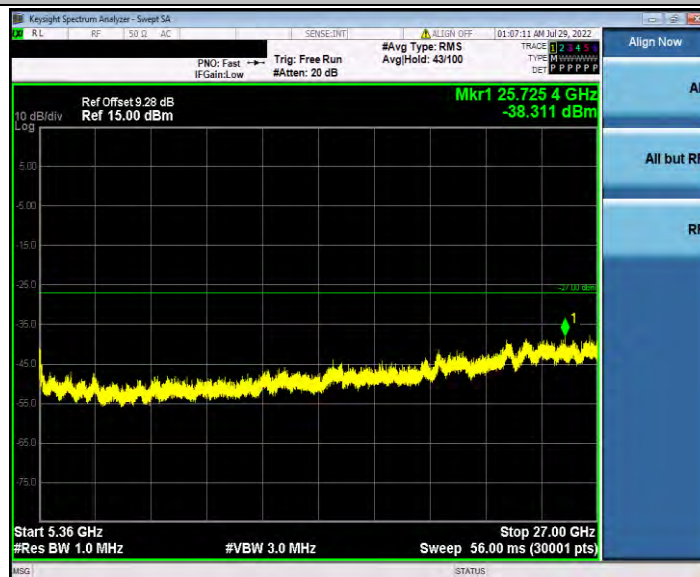
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11N40SISO_Ant1_5310_30~5140



11N40SISO_Ant1_5310_5360~40000



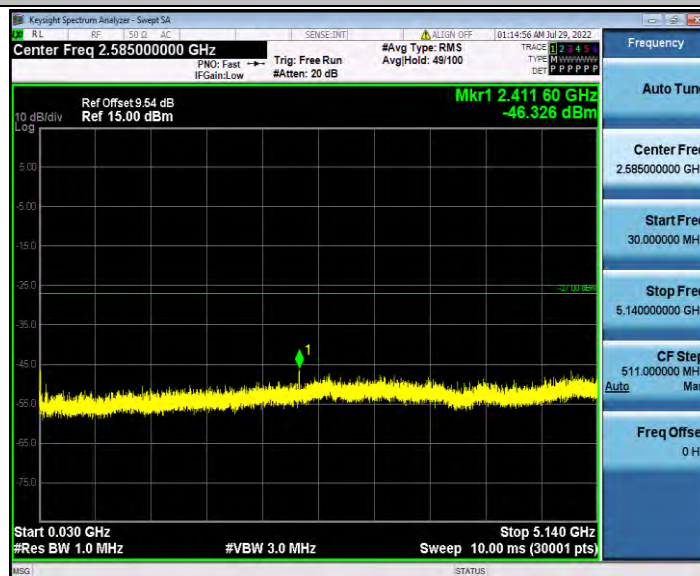
11AC20SISO_Ant1_5260_30~5140



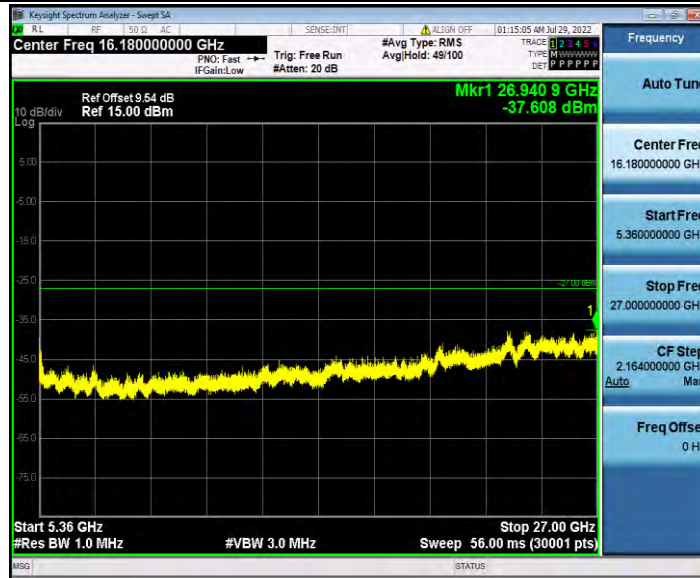
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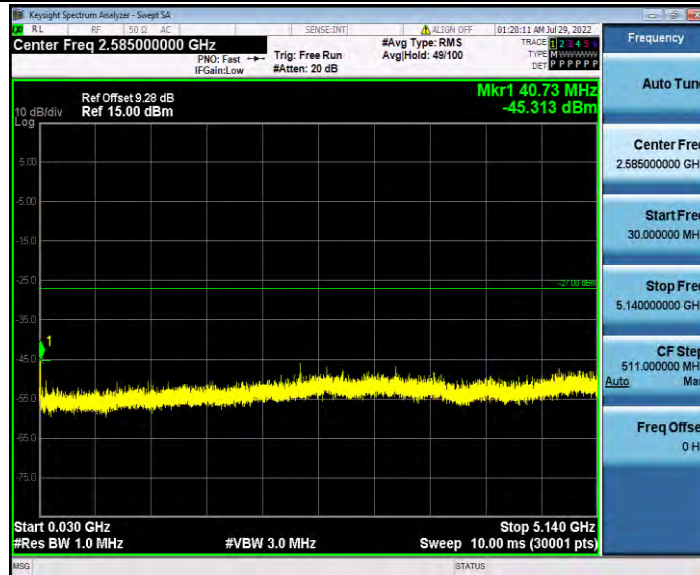
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11AC20SISO_Ant1_5280_5360~40000



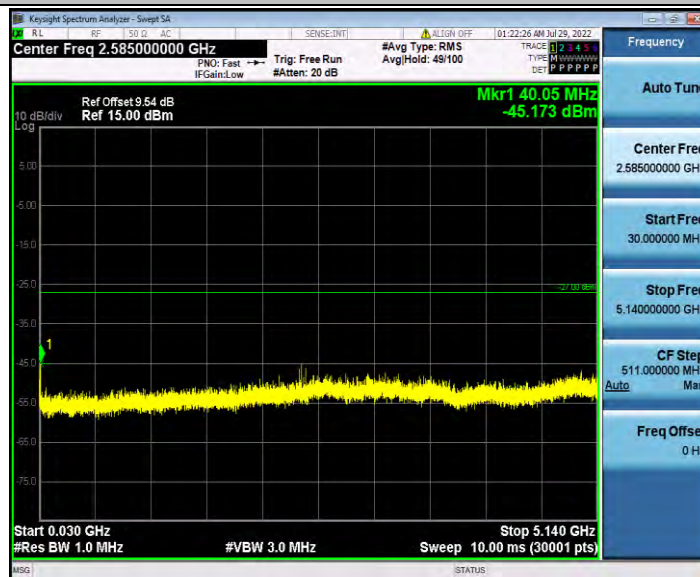
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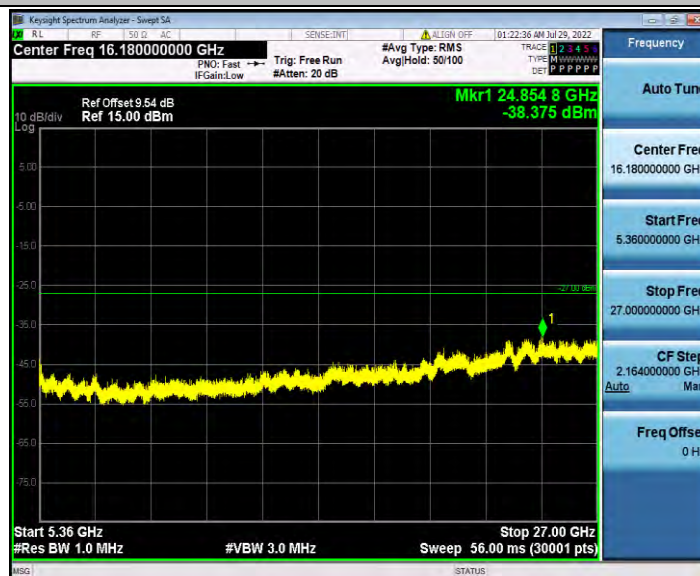
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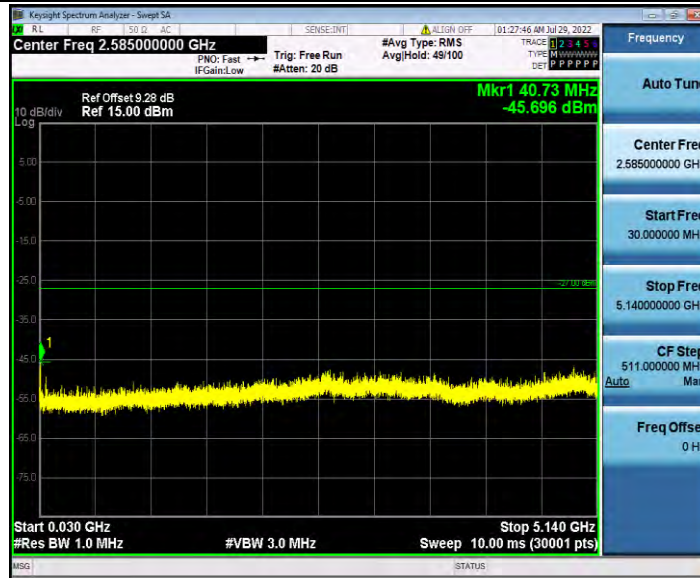
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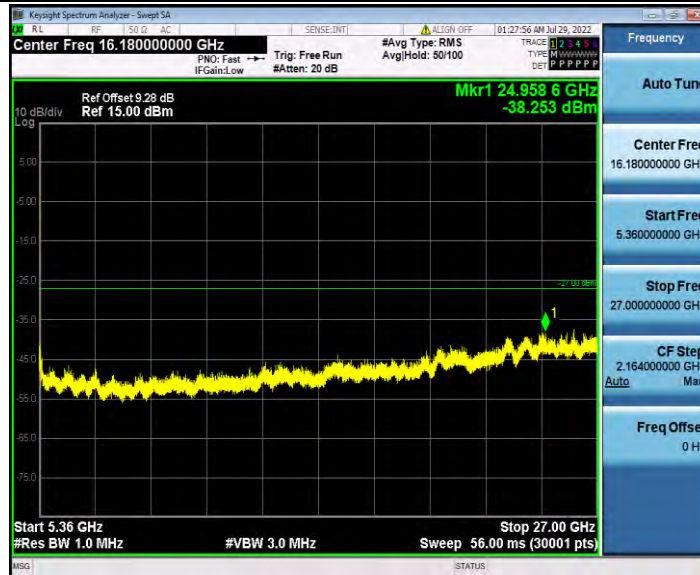
11AC40SISO_Ant1_5270_5360~40000



11AC40SISO_Ant1_5310_30~5140



11AC40SISO_Ant1_5310_5360~40000



11AC80SISO_Ant1_5290_30~5140



11AC80SISO_Ant1_5290_5360~40000

