

Case No. : GTS20220510015-1-9	
Ambient Condition: 25 °C, 45 %RH,	
Test Date: 2022.7.26	Test Engineer: Jenny zeng

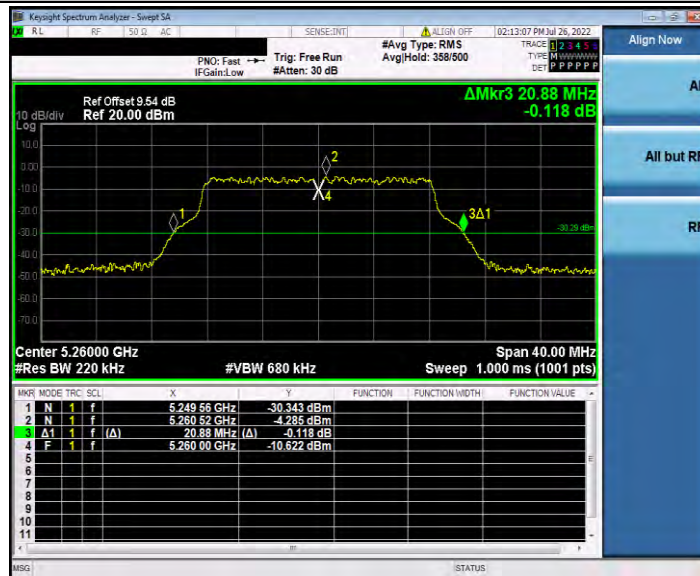
Appendix E.1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	20.880	5249.560	5270.440	---	---
		5280	21.000	5269.520	5290.520	---	---
		5320	20.880	5309.600	5330.480	---	---
11N20SISO	Ant1	5260	21.280	5249.320	5270.600	---	---
		5280	21.200	5269.400	5290.600	---	---
		5320	21.160	5309.320	5330.480	---	---
11N40SISO	Ant1	5270	39.680	5250.000	5289.680	---	---
		5310	39.920	5290.000	5329.920	---	---
11AC20SISO	Ant1	5260	21.360	5249.320	5270.680	---	---
		5280	21.360	5269.240	5290.600	---	---
		5320	21.400	5309.280	5330.680	---	---
11AC40SISO	Ant1	5270	40.240	5249.760	5290.000	---	---
		5310	40.400	5289.760	5330.160	---	---
11AC80SISO	Ant1	5290	81.280	5249.680	5330.960	---	---

Test Graphs

11A_Ant1_5260



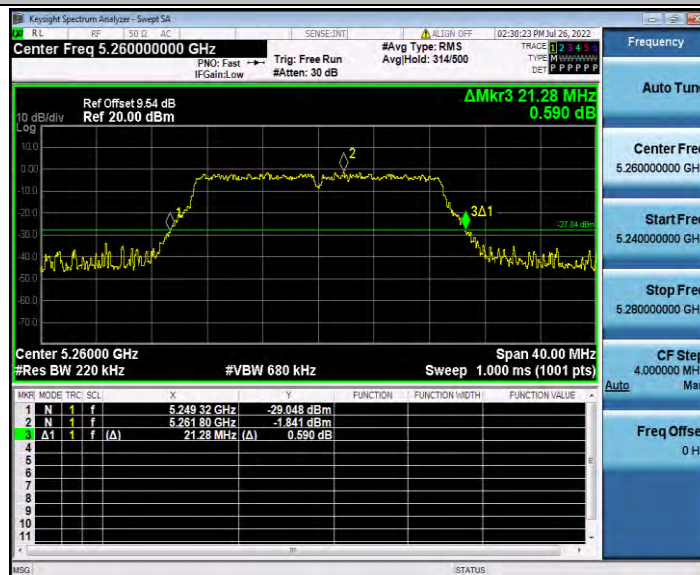
11A_Ant1_5280



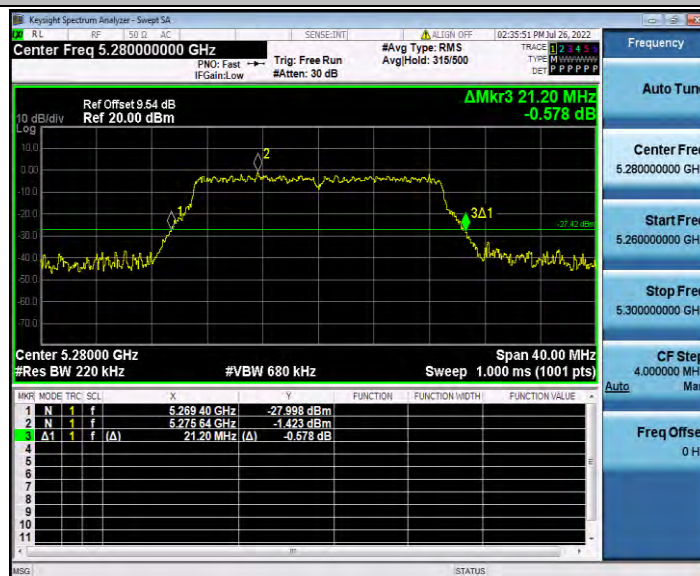
11A_Ant1_5320



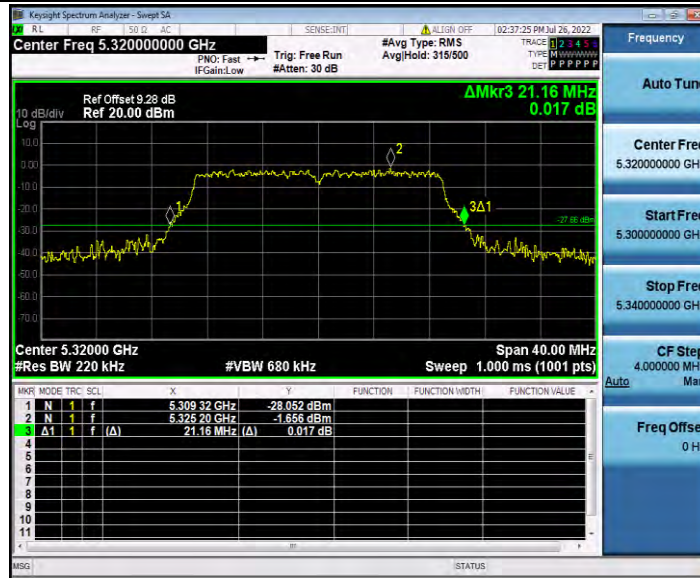
11N20SISO_Ant1_5260



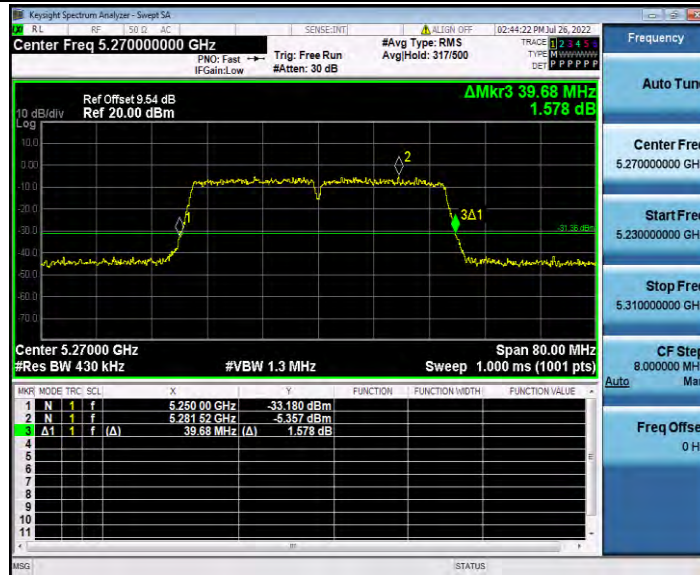
11N20SISO_Ant1_5280



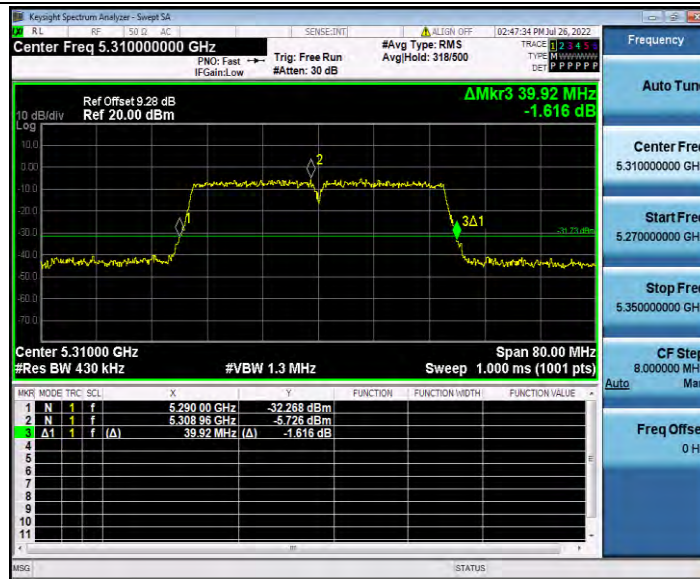
11N20SISO_Ant1_5320



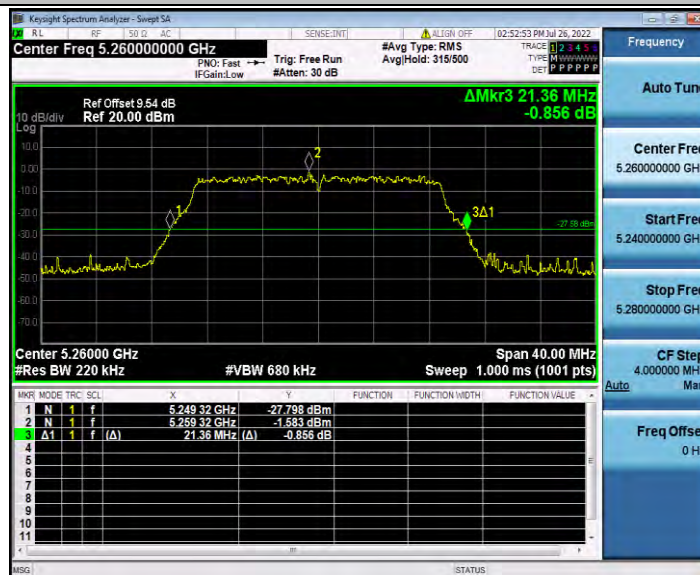
11N40SISO_Ant1_5270



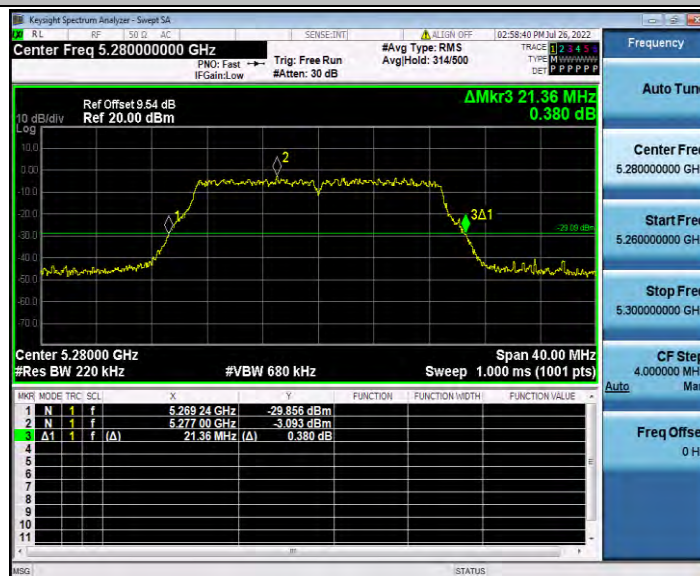
11N40SISO_Ant1_5310



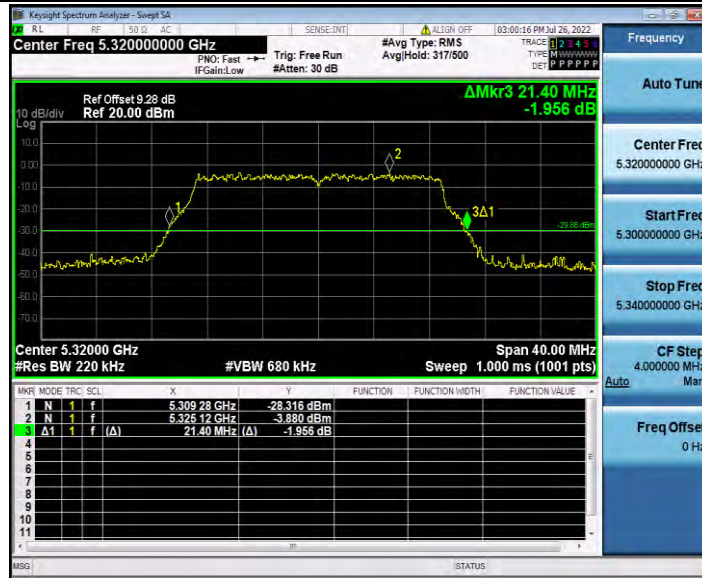
11AC20SISO_Ant1_5260



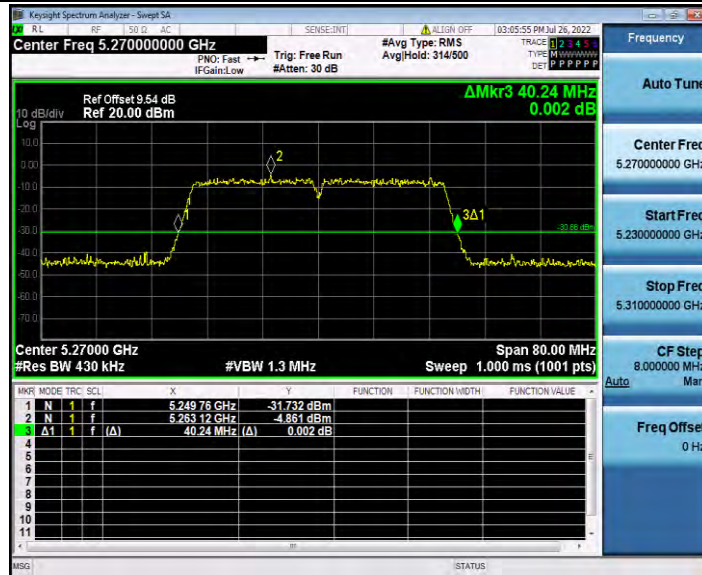
11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



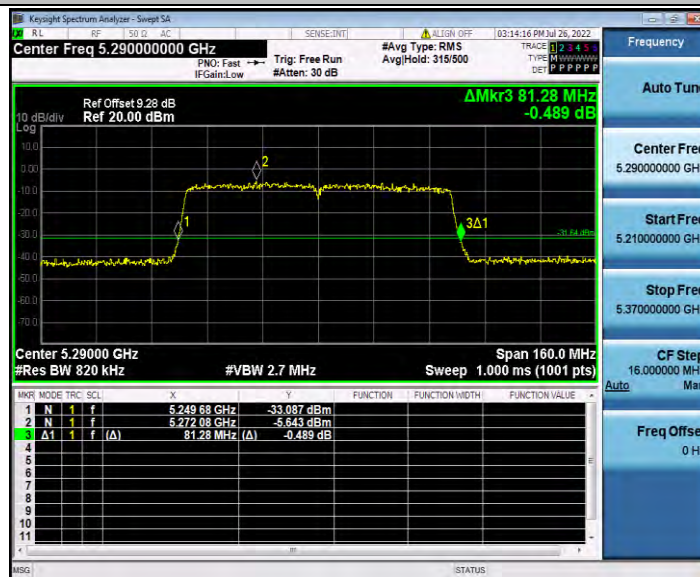
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



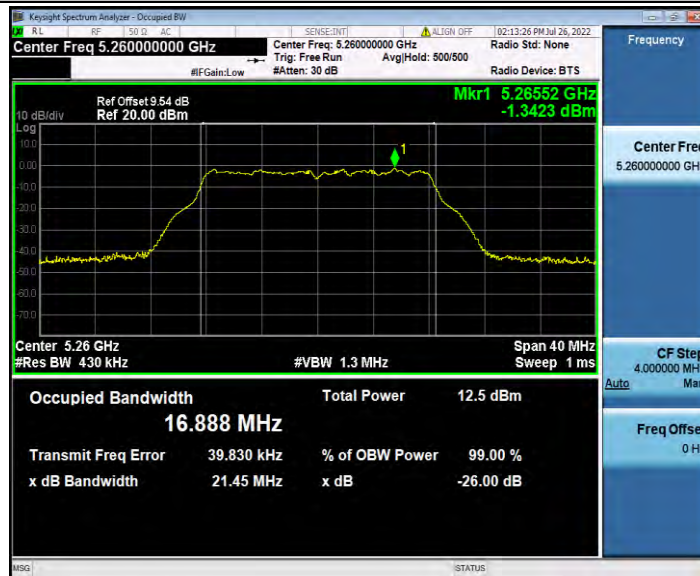
Appendix E.2: Occupied channel bandwidth

Test Result

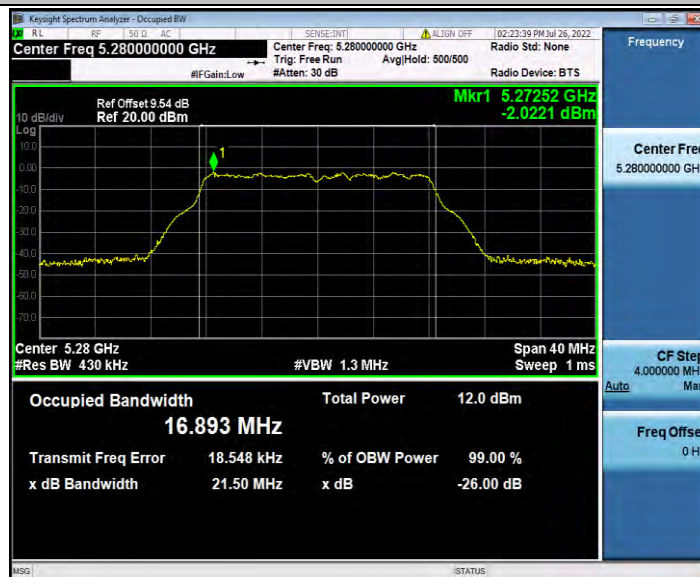
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	16.888	5251.596	5268.484	---	---
		5280	16.893	5271.572	5288.465	---	---
		5320	16.898	5311.574	5328.472	---	---
11N20SISO	Ant1	5260	18.210	5250.907	5269.117	---	---
		5280	18.196	5270.915	5289.111	---	---
		5320	18.221	5310.866	5329.087	---	---
11N40SISO	Ant1	5270	36.525	5251.749	5288.274	---	---
		5310	36.495	5291.755	5328.250	---	---
11AC20SISO	Ant1	5260	18.263	5250.794	5269.057	---	---
		5280	18.310	5270.771	5289.081	---	---
		5320	18.264	5310.793	5329.057	---	---
11AC40SISO	Ant1	5270	36.744	5251.540	5288.284	---	---
		5310	36.837	5291.490	5328.327	---	---
11AC80SISO	Ant1	5290	75.930	5251.985	5327.915	---	---

Test Graphs

11A_Ant1_5260



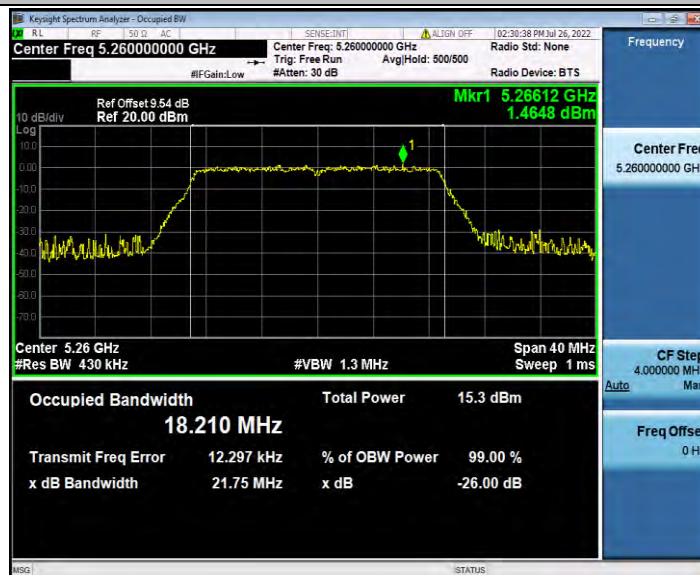
11A_Ant1_5280



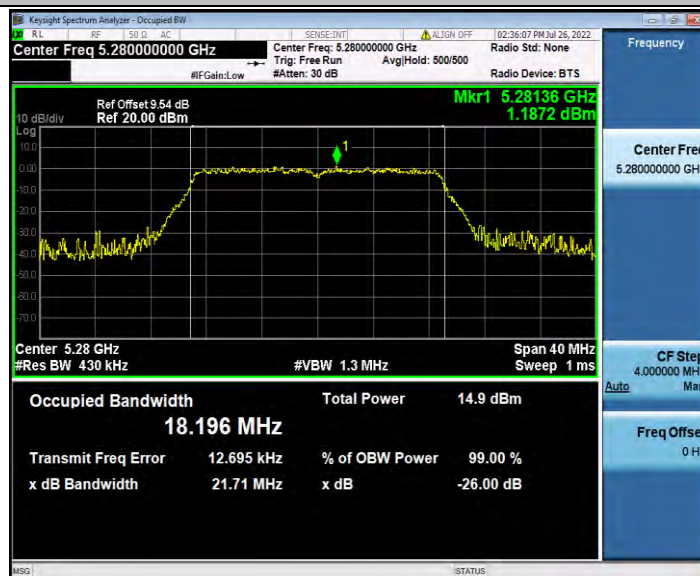
11A_Ant1_5320



11N20SISO_Ant1_5260



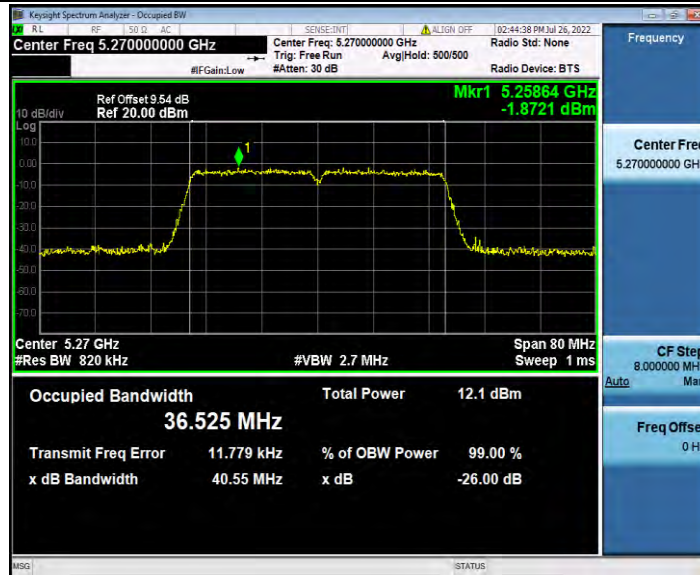
11N20SISO_Ant1_5280



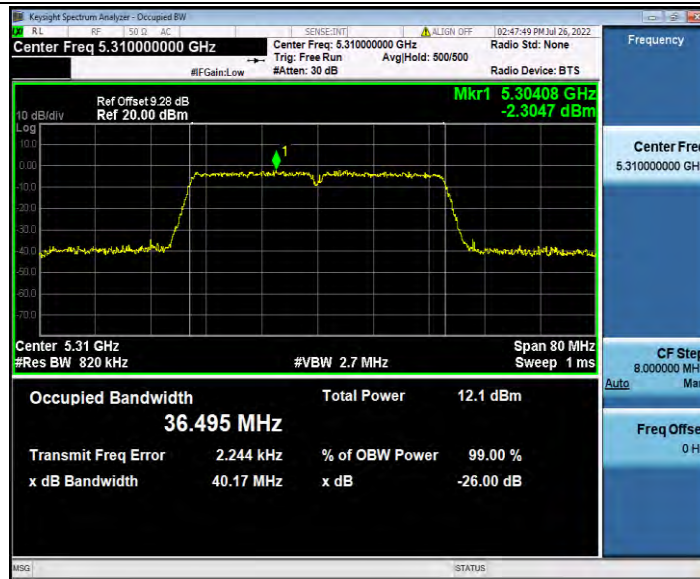
11N20SISO_Ant1_5320



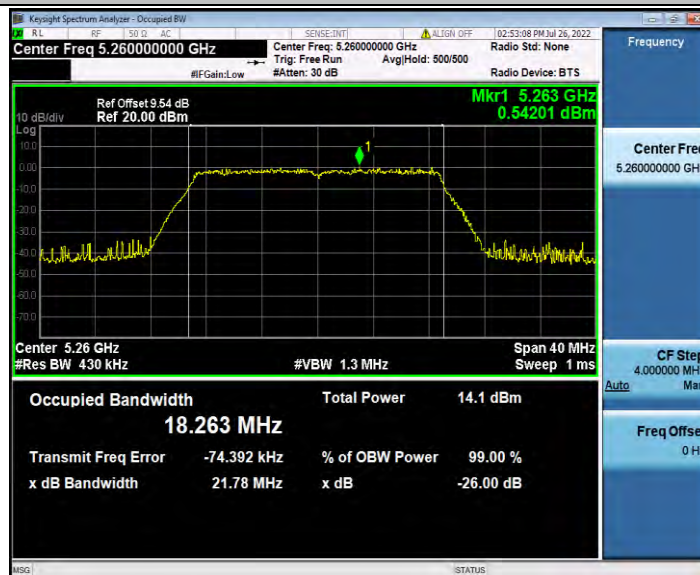
11N40SISO_Ant1_5270



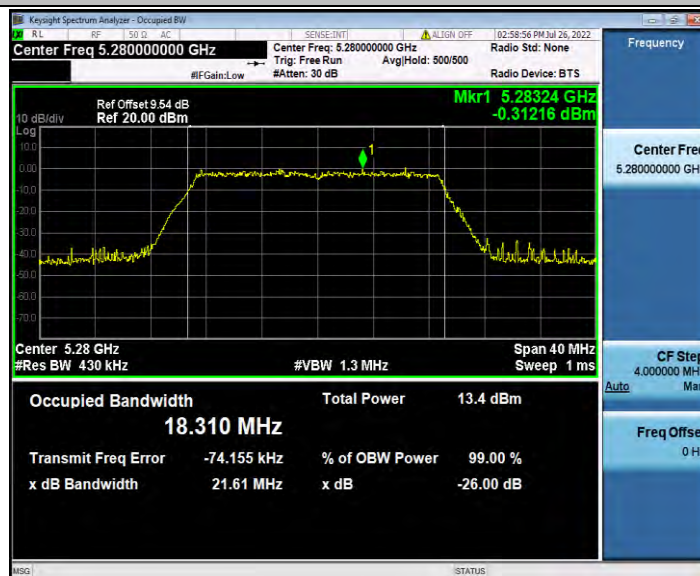
11N40SISO_Ant1_5310



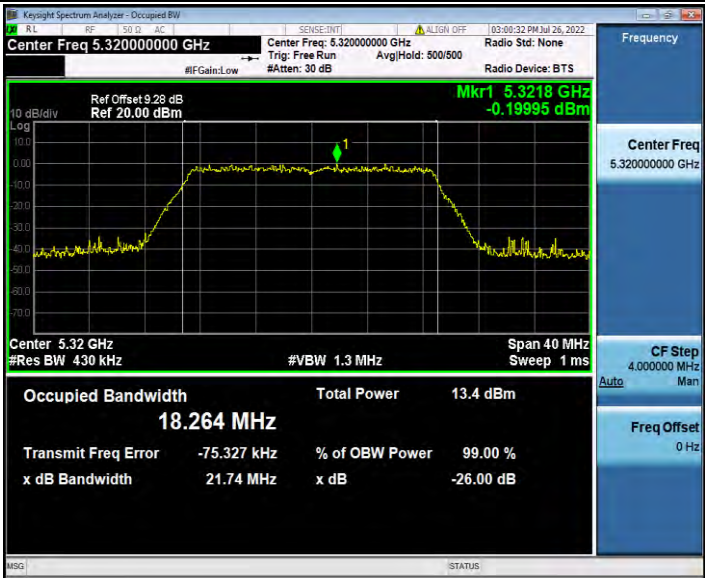
11AC20SISO_Ant1_5260



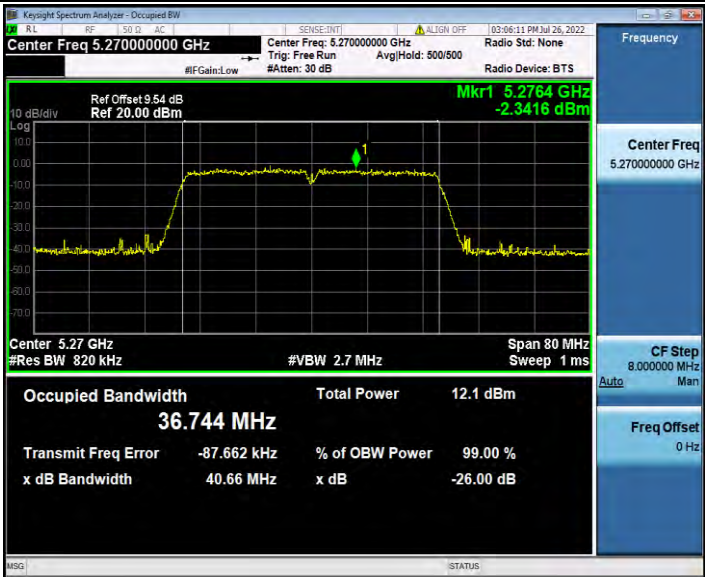
11AC20SISO_Ant1_5280



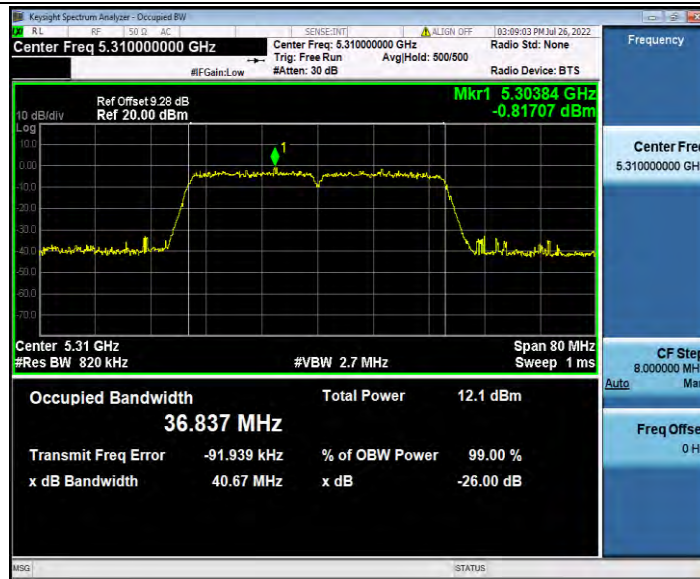
11AC20SISO_Ant1_5320



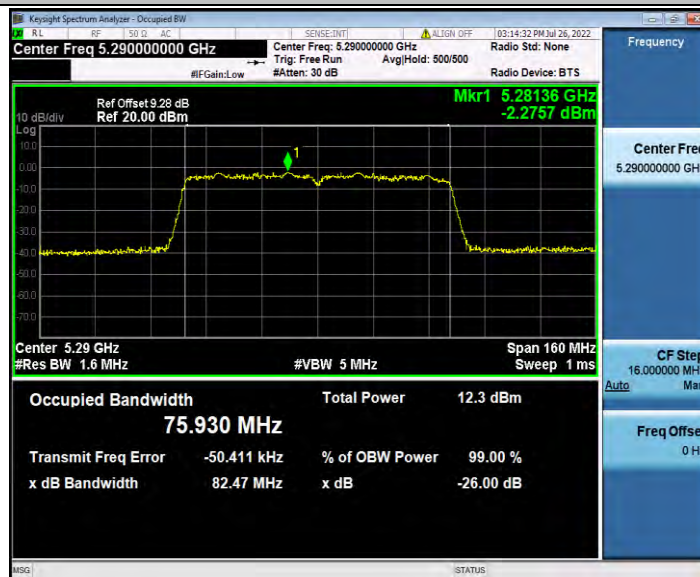
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



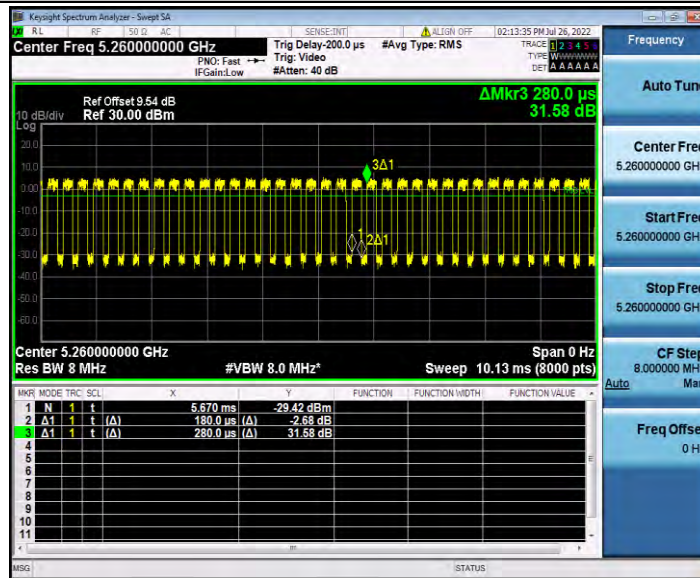
Appendix E.3: Duty Cycle

Test Result

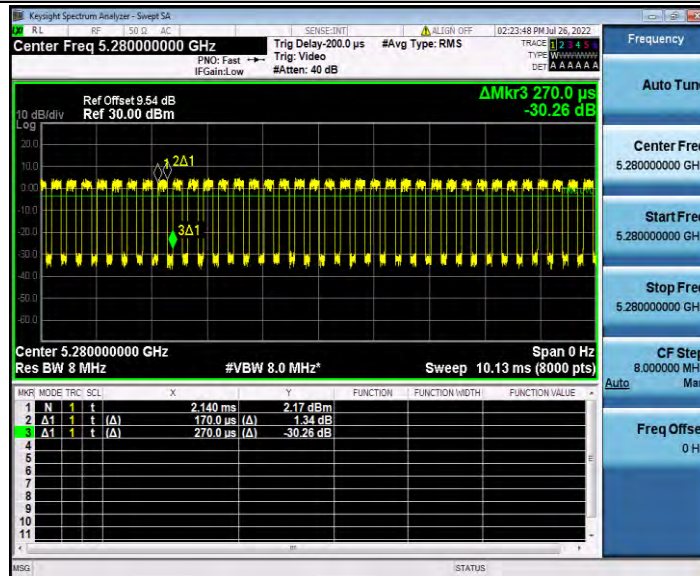
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dBm]
11A	Ant1	5260	0.18	0.28	64.29	1.92
		5280	0.17	0.27	62.96	2.01
		5320	0.18	0.28	64.29	1.92
11N20SISO	Ant1	5260	0.16	0.26	61.54	2.11
		5280	0.16	0.27	59.26	2.27
		5320	0.16	0.26	61.54	2.11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

Test Graphs

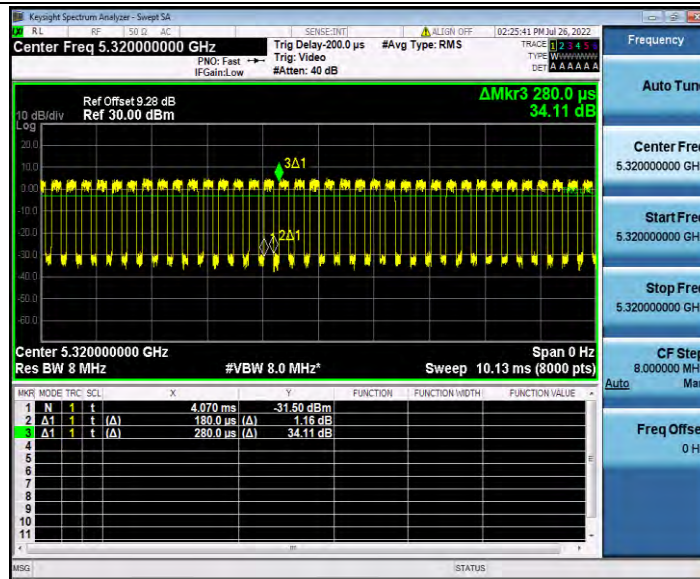
11A_Ant1_5260



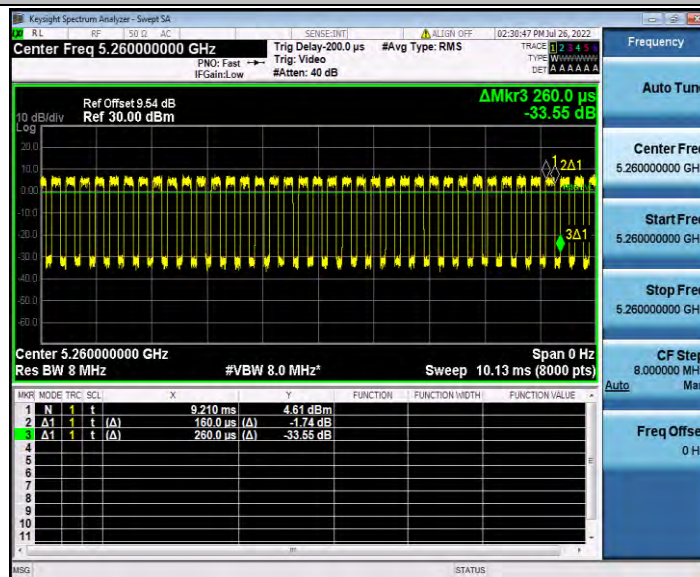
11A_Ant1_5280



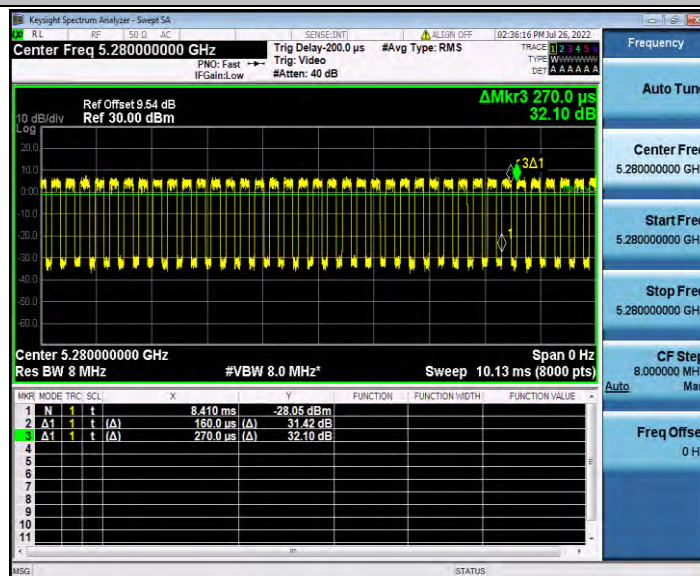
11A_Ant1_5320



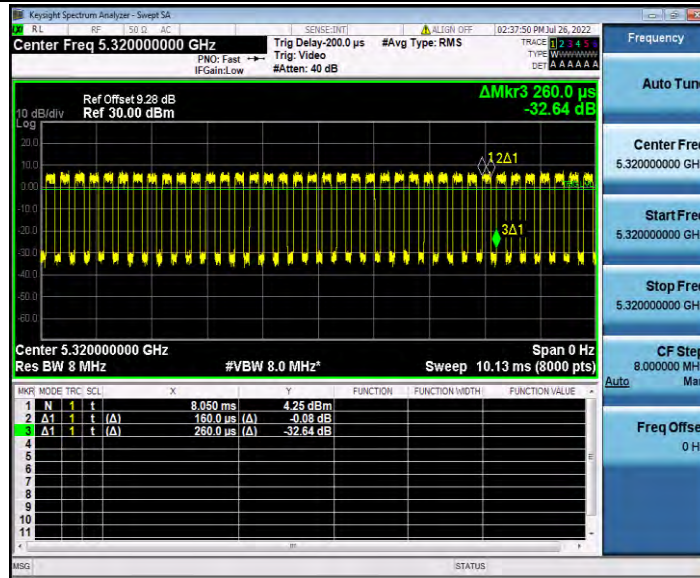
11N20SISO_Ant1_5260



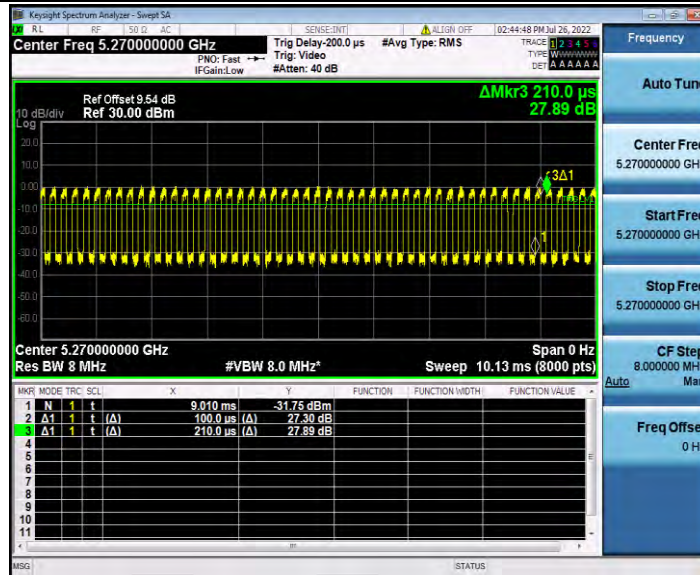
11N20SISO_Ant1_5280



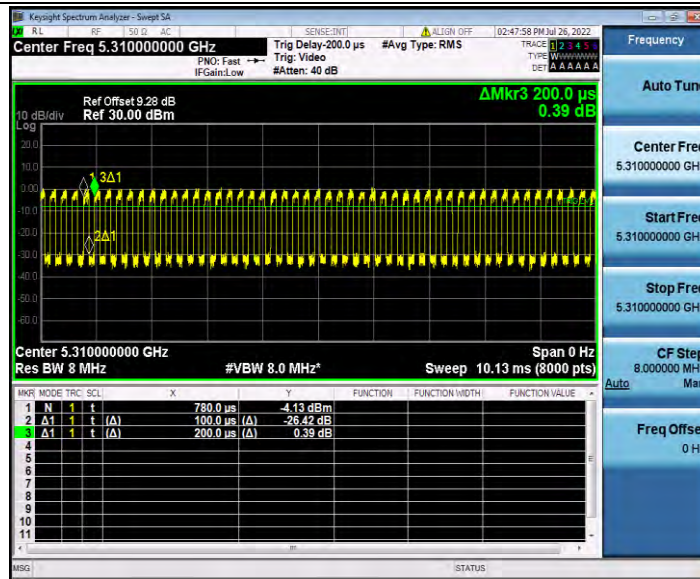
11N20SISO_Ant1_5320



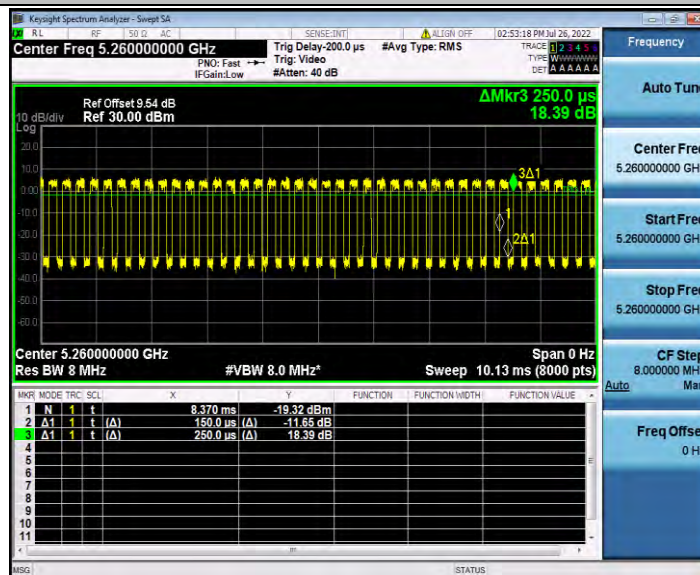
11N40SISO_Ant1_5270



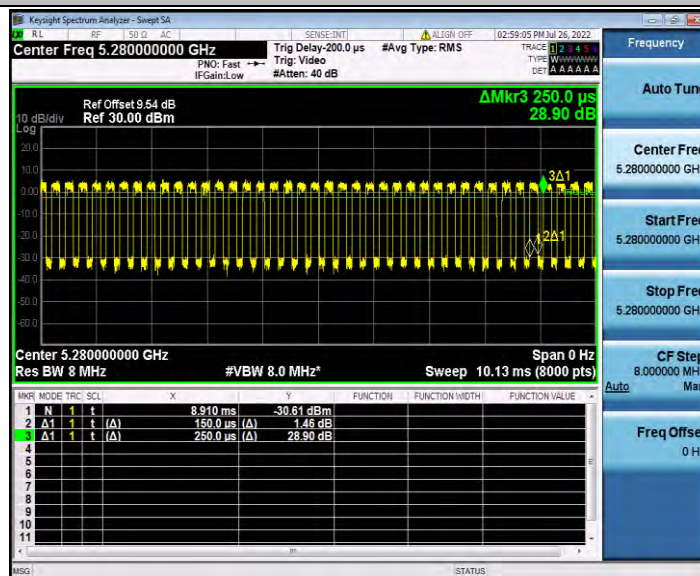
11N40SISO_Ant1_5310



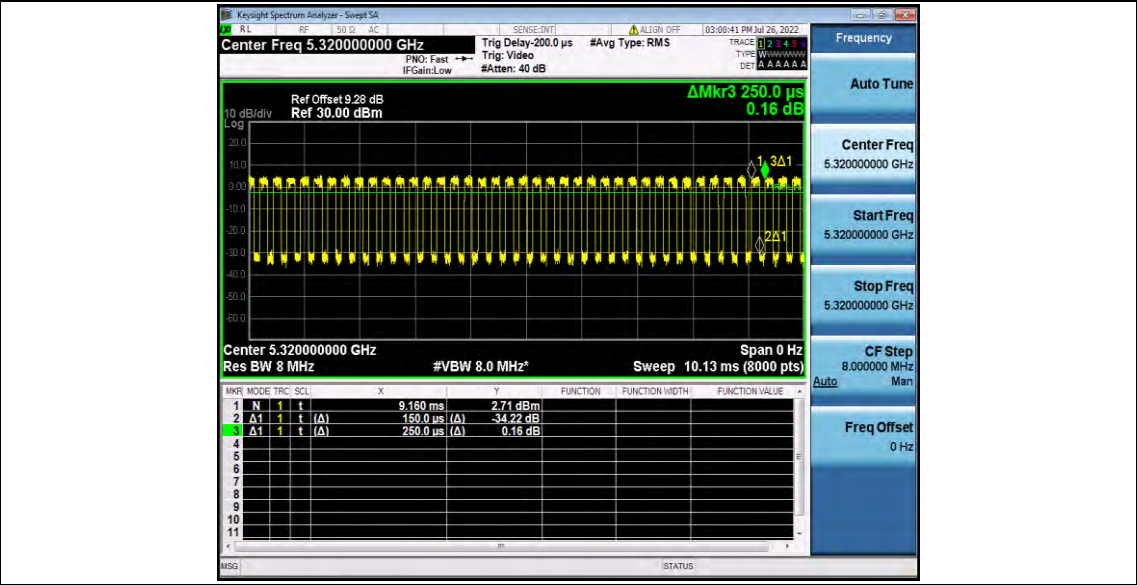
11AC20SISO_Ant1_5260



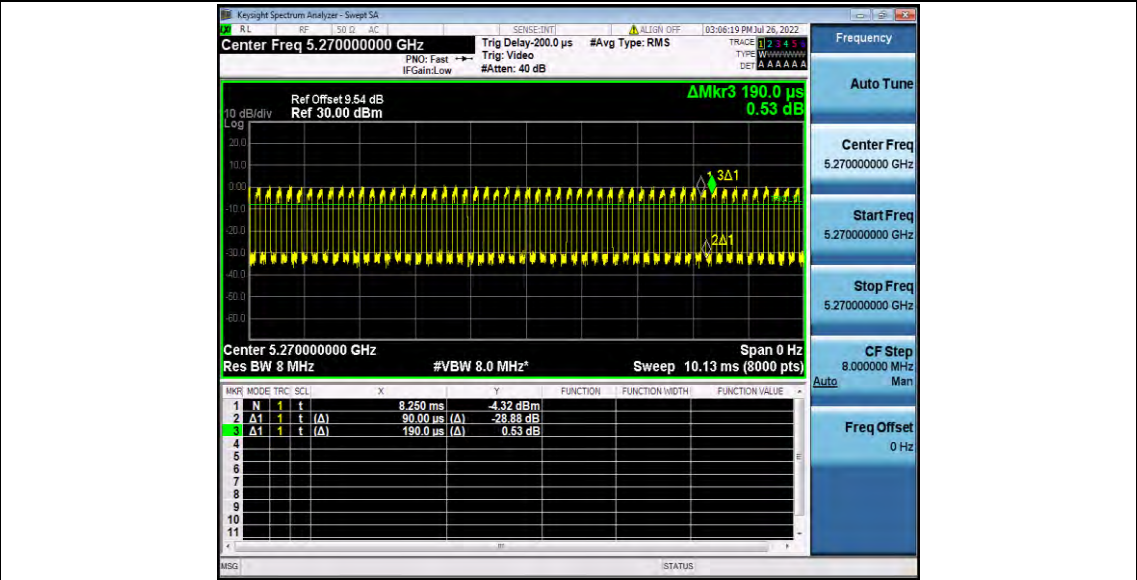
11AC20SISO_Ant1_5280



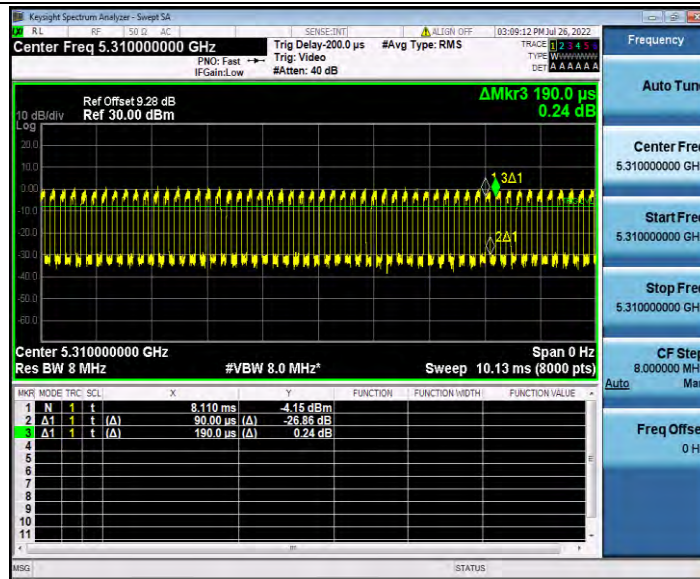
11AC20SISO_Ant1_5320



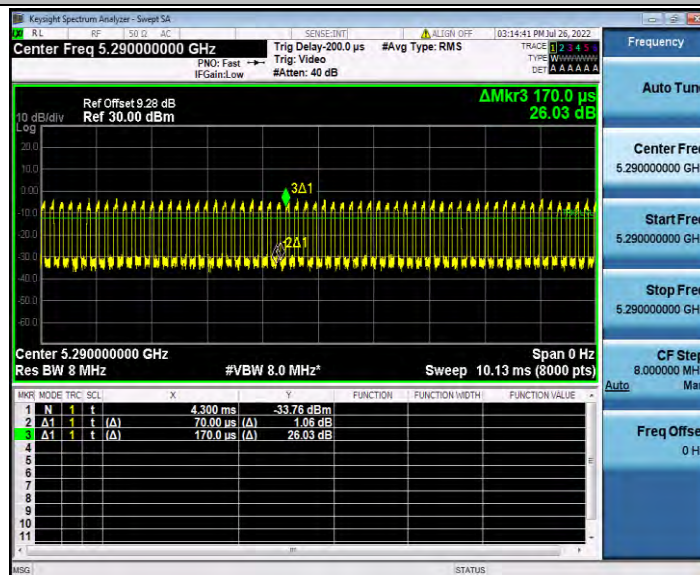
11AC40SISO_Ant1_5270



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	2.51	≤11.00	PASS
		5280	1.90	≤11.00	PASS
		5320	1.89	≤11.00	PASS
11N20SISO	Ant1	5260	5.11	≤11.00	PASS
		5280	4.82	≤11.00	PASS
		5320	4.70	≤11.00	PASS
11N40SISO	Ant1	5270	0.06	≤11.00	PASS
		5310	-0.49	≤11.00	PASS
11AC20SISO	Ant1	5260	3.81	≤11.00	PASS
		5280	3.61	≤11.00	PASS
		5320	3.04	≤11.00	PASS
11AC40SISO	Ant1	5270	-0.23	≤11.00	PASS
		5310	-0.32	≤11.00	PASS
11AC80SISO	Ant1	5290	-3.74	≤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



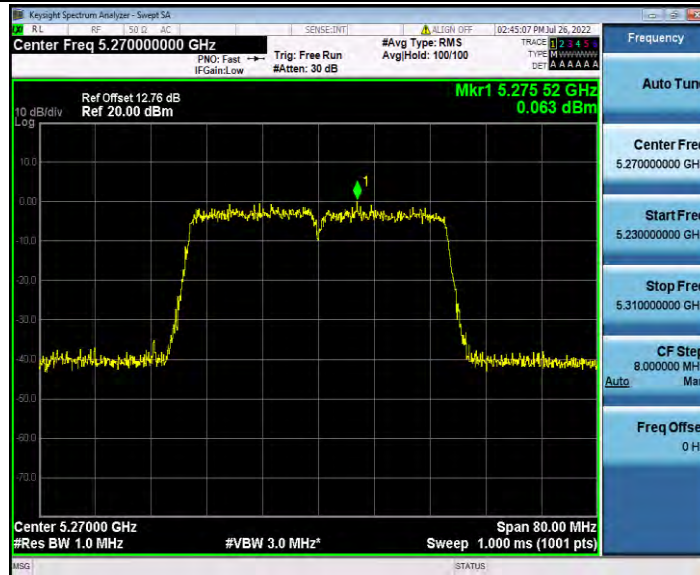
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



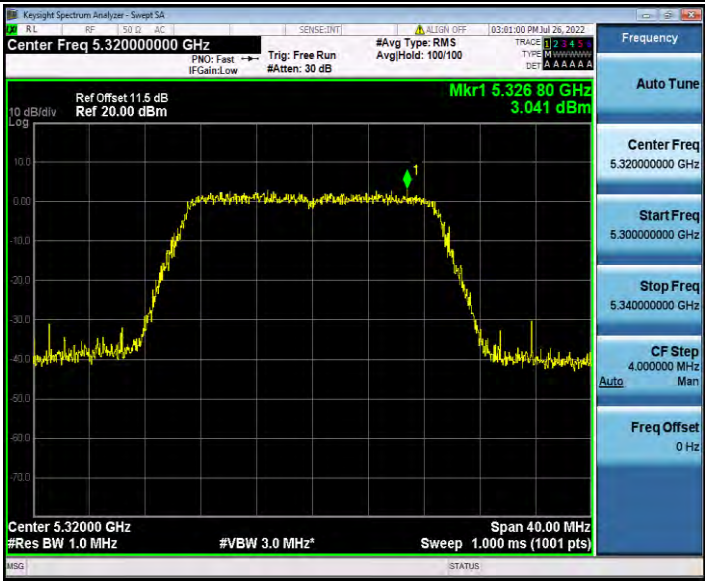
11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



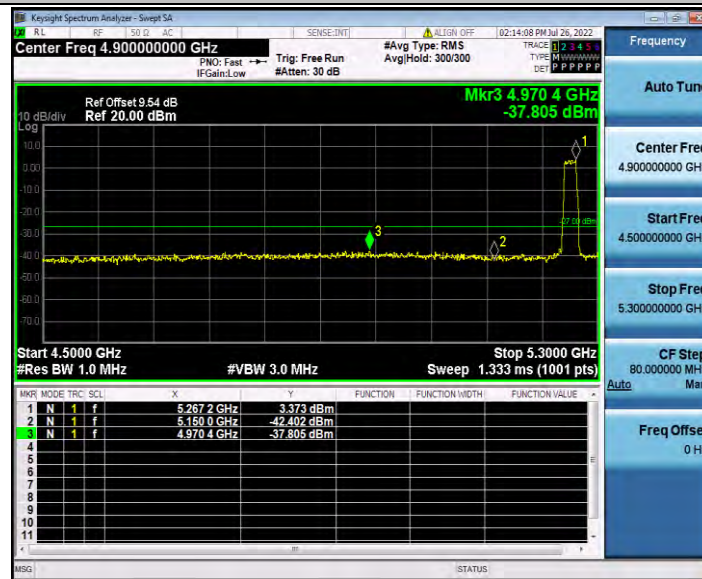
Appendix E.5: Band edge measurements

Test Result B2

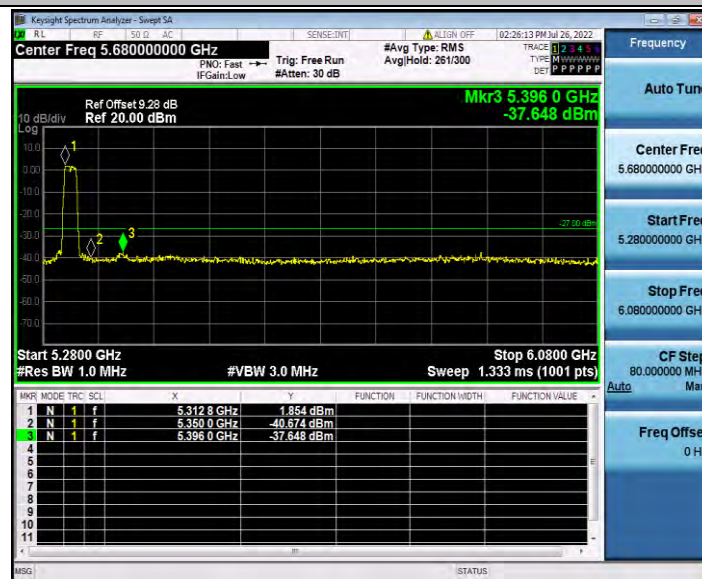
TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5260	-37.81	≤-27	PASS
		High	5320	-37.65	≤-27	PASS
11N20SISO	Ant1	Low	5260	-37.54	≤-27	PASS
		High	5320	-36.93	≤-27	PASS
11N40SISO	Ant1	Low	5270	-37.85	≤-27	PASS
		High	5310	-38.35	≤-27	PASS
11AC20SISO	Ant1	Low	5260	-36.98	≤-27	PASS
		High	5320	-36.72	≤-27	PASS
11AC40SISO	Ant1	Low	5270	-37.75	≤-27	PASS
		High	5310	-37.29	≤-27	PASS
11AC80SISO	Ant1	Low	5290	-38.33	≤-27	PASS
		High	5290	-40.62	≤-27	PASS

Test Graphs B2

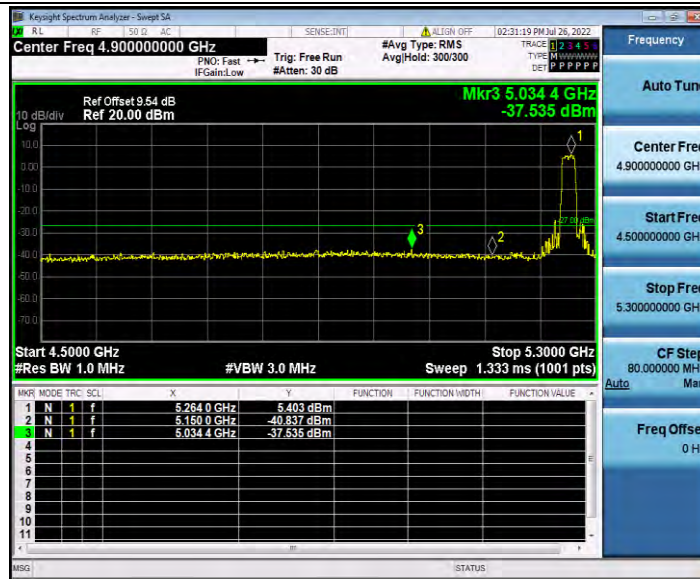
11A_Ant1_Low_5260



11A_Ant1_High_5320



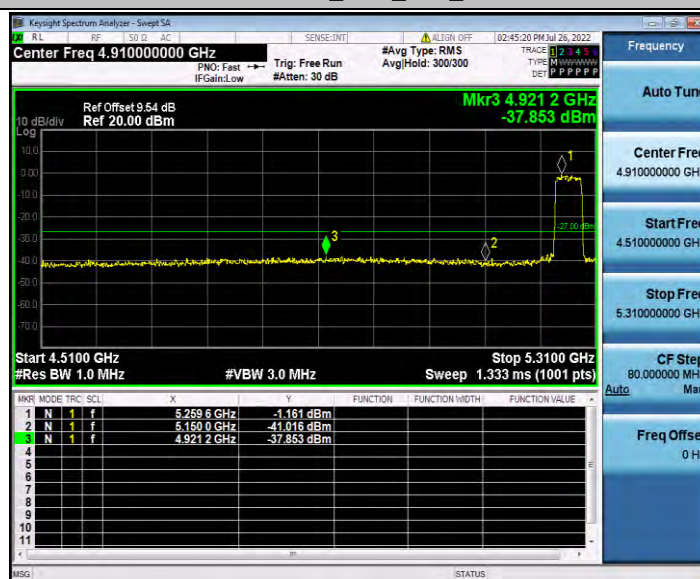
11N20SISO_Ant1_Low_5260



11N20ISO_Ant1_High_5320



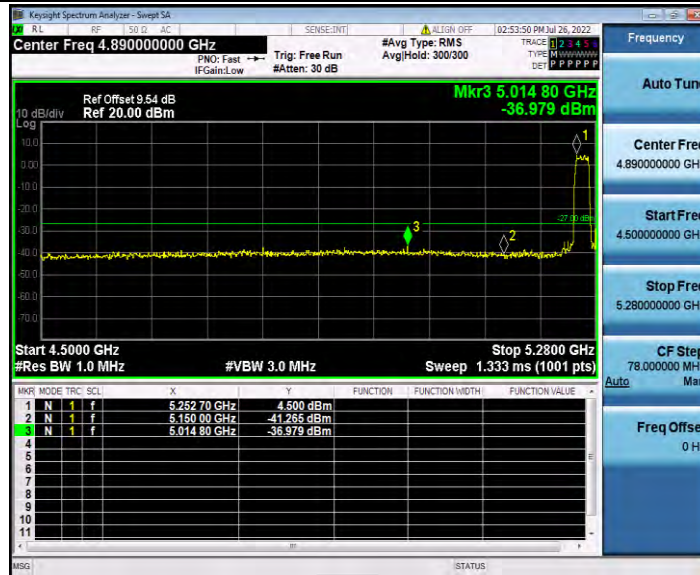
11N40ISO_Ant1_Low_5270



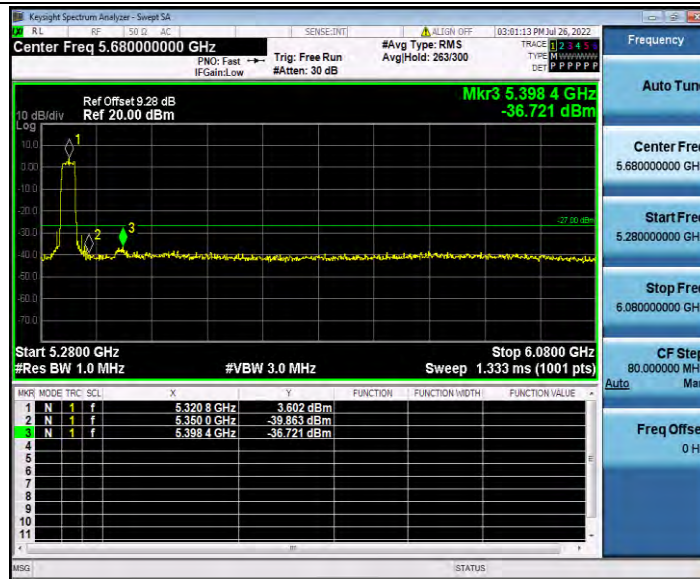
11N40SISO_Ant1_High_5310



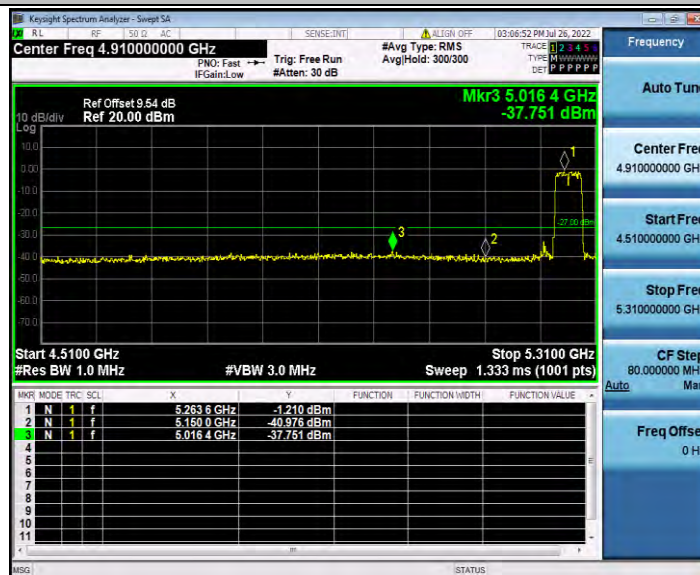
11AC20SISO_Ant1_Low_5260



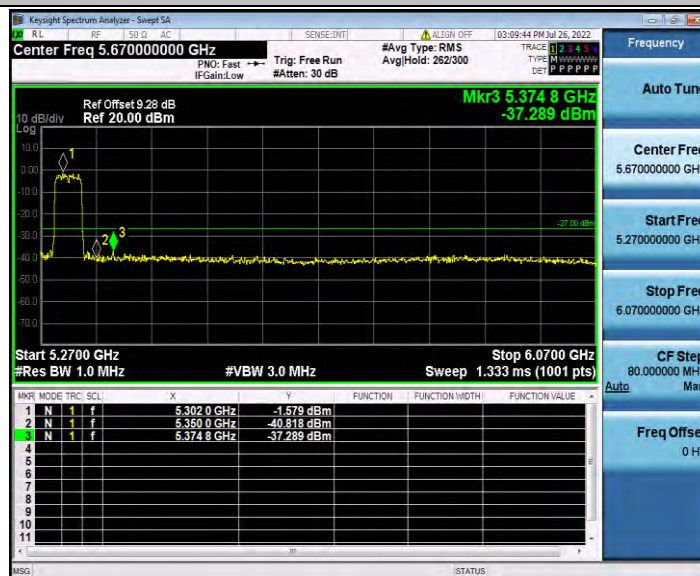
11AC20SISO_Ant1_High_5320



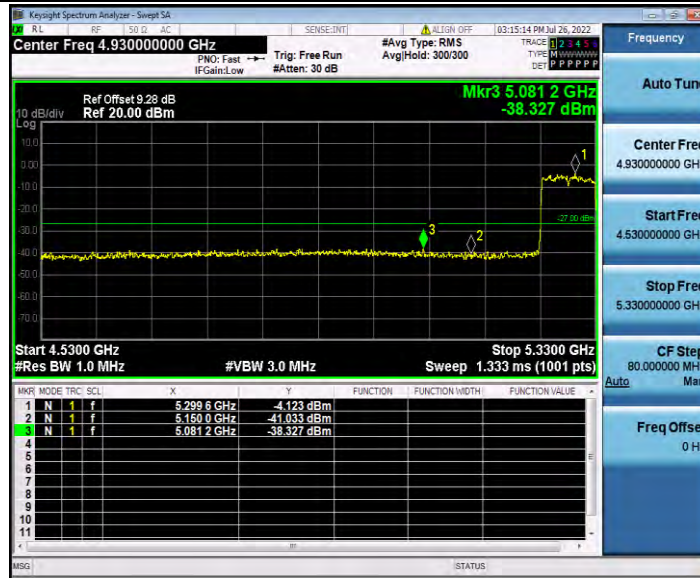
11AC40SISO_Ant1_Low_5270



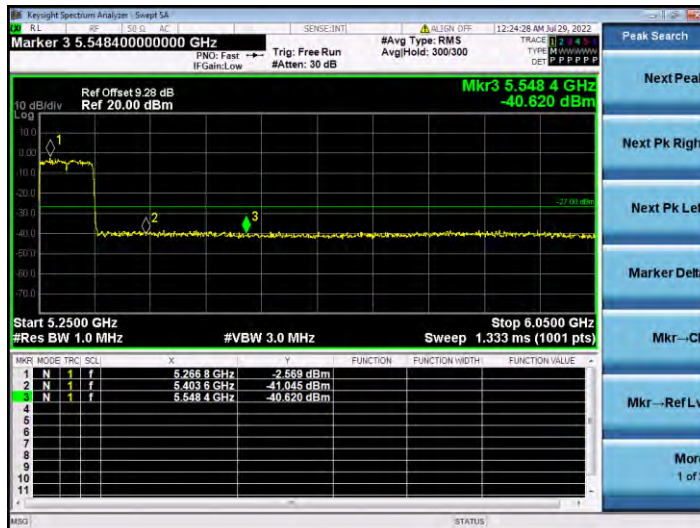
11AC40SISO_Ant1_High_5310



11AC80SISO_Ant1_Low_5290



11AC80SISO_Ant1_High_5290



Appendix E.6: Conducted Spurious Emission

Test Result

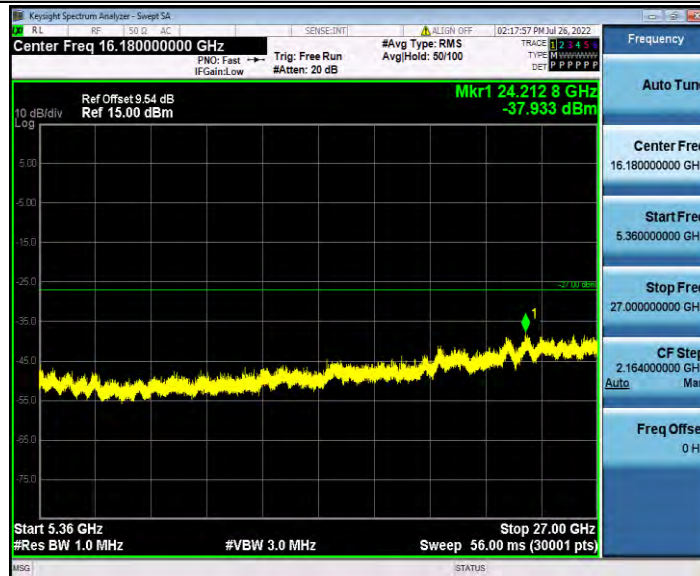
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	30~5140	2905.74	-47.34	≤-27	PASS
			5360~40000	24212.77	-37.93	≤-27	PASS
		5280	30~5140	4913.29	-46.59	≤-27	PASS
			5360~40000	23523.89	-38.25	≤-27	PASS
		5320	30~5140	2637.12	-46.95	≤-27	PASS
			5360~40000	25555.89	-37.53	≤-27	PASS
11N20SISO	Ant1	5260	30~5140	2617.19	-47.38	≤-27	PASS
			5360~40000	26893.96	-38.12	≤-27	PASS
		5280	30~5140	3190.88	-47.18	≤-27	PASS
			5360~40000	25651.11	-37.83	≤-27	PASS
		5320	30~5140	4872.07	-46.96	≤-27	PASS
			5360~40000	25567.43	-38.34	≤-27	PASS
11N40SISO	Ant1	5270	30~5140	2656.2	-46.71	≤-27	PASS
			5360~40000	23466.19	-38.36	≤-27	PASS
		5310	30~5140	2577.34	-47.29	≤-27	PASS
			5360~40000	26917.77	-38.39	≤-27	PASS
11AC20SISO	Ant1	5260	30~5140	3448.76	-46.95	≤-27	PASS
			5360~40000	23606.85	-38.71	≤-27	PASS
		5280	30~5140	3281.83	-47	≤-27	PASS
			5360~40000	26474.87	-38.11	≤-27	PASS
		5320	30~5140	2974.89	-47.47	≤-27	PASS
			5360~40000	23645.8	-38.42	≤-27	PASS
11AC40SISO	Ant1	5270	30~5140	2716.33	-47.82	≤-27	PASS
			5360~40000	26825.44	-38.2	≤-27	PASS
		5310	30~5140	4878.2	-47.02	≤-27	PASS
			5360~40000	25088.47	-38.24	≤-27	PASS
11AC80SISO	Ant1	5290	30~5140	4991.98	-47.93	≤-27	PASS
			5360~40000	24258.21	-37.9	≤-27	PASS

Test Graphs

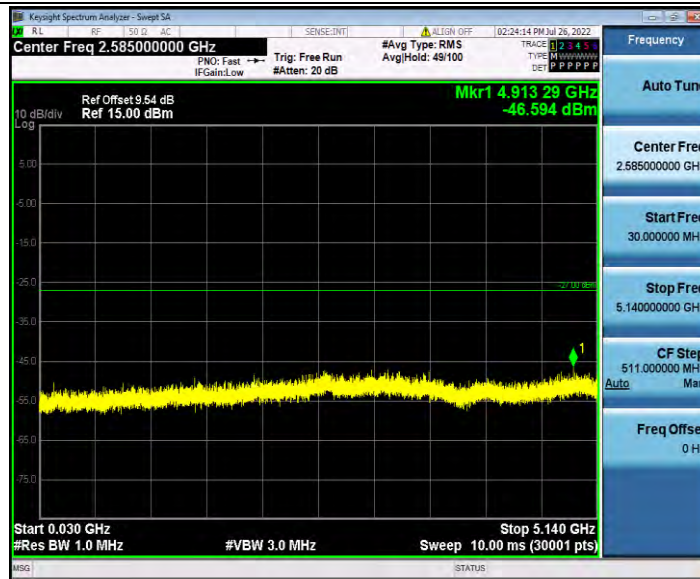
11A_Ant1_5260_30~5140



11A_Ant1_5260_5360~40000



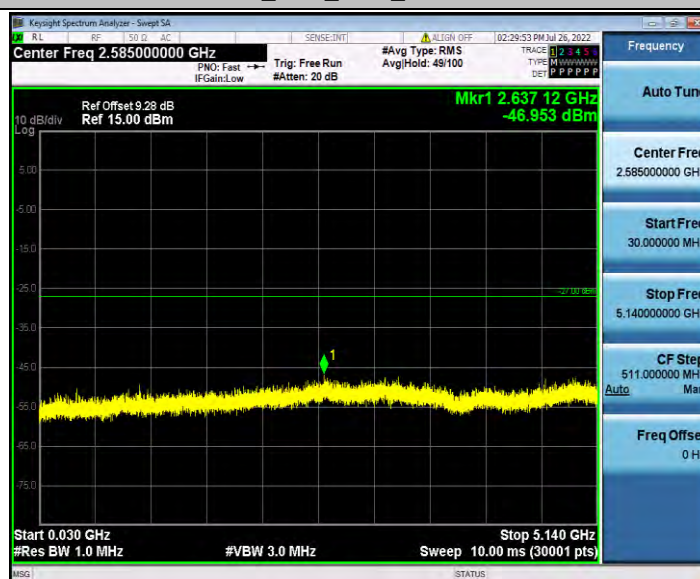
11A_Ant1_5280_30~5140



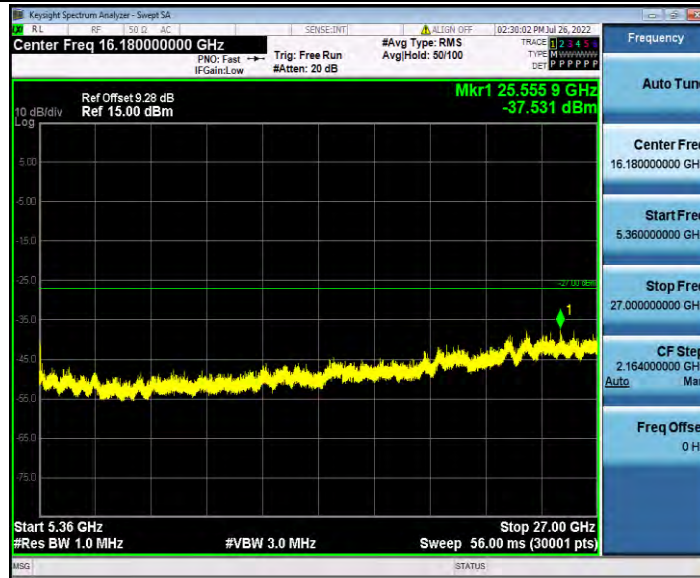
11A_Ant1_5280_5360~40000



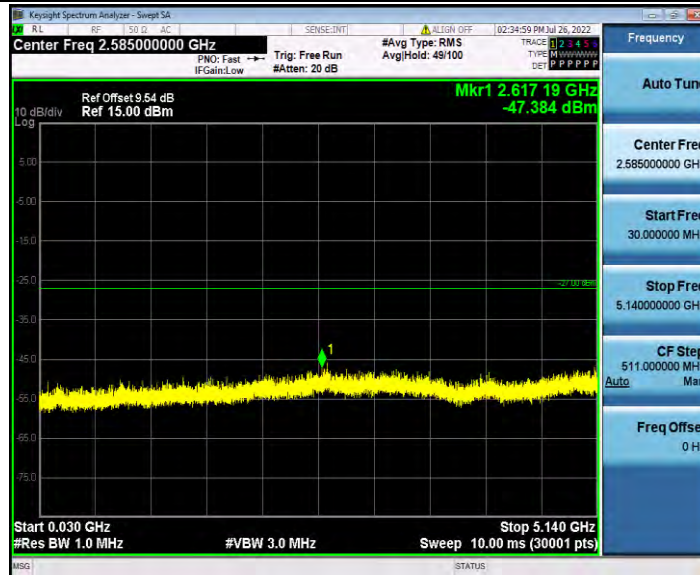
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11A_Ant1_5320_5360~40000



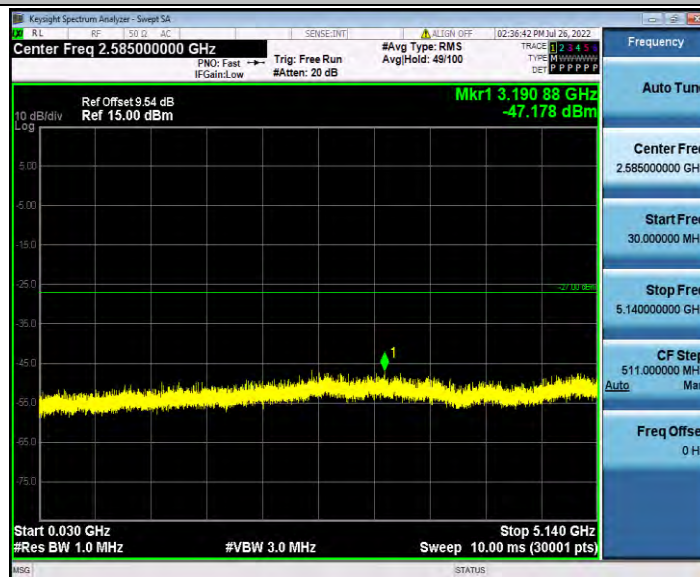
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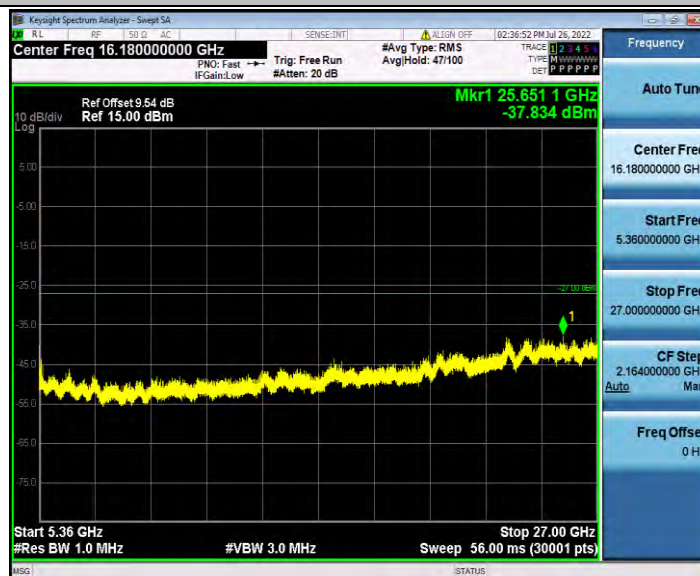
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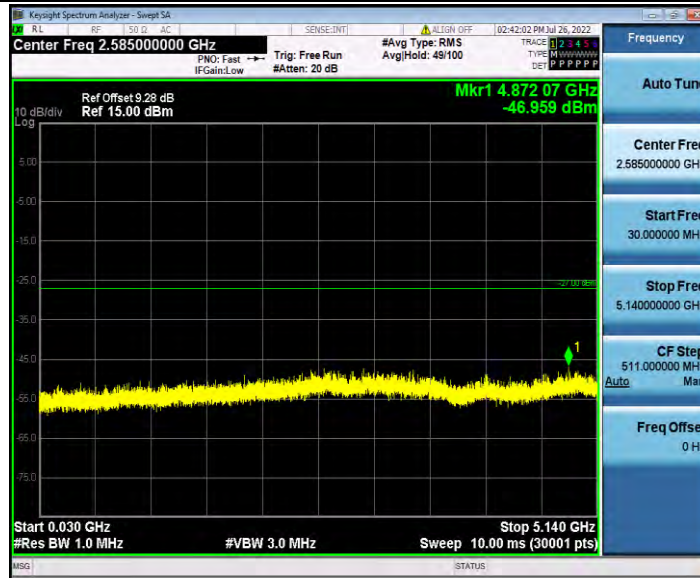
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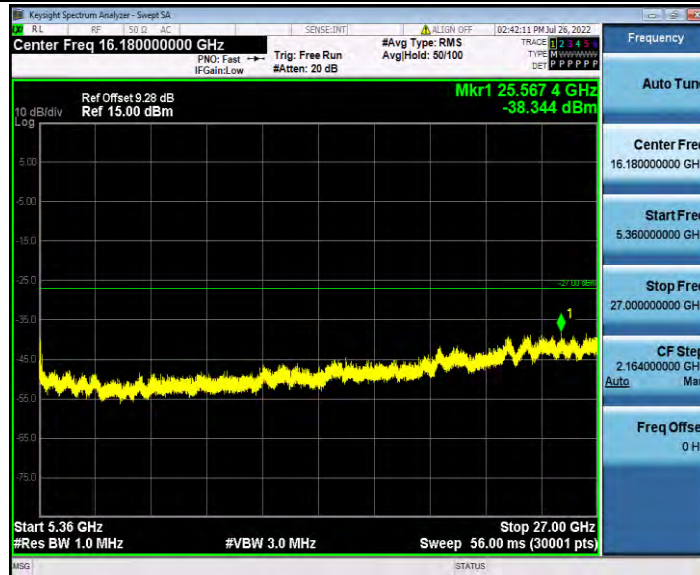
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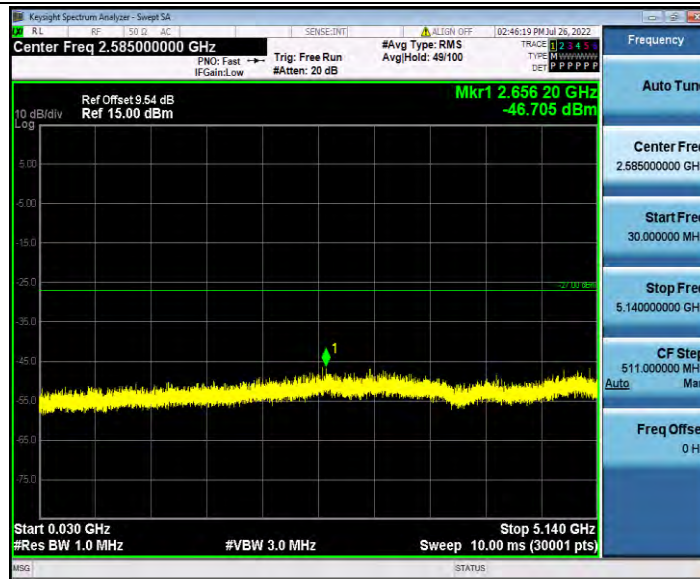
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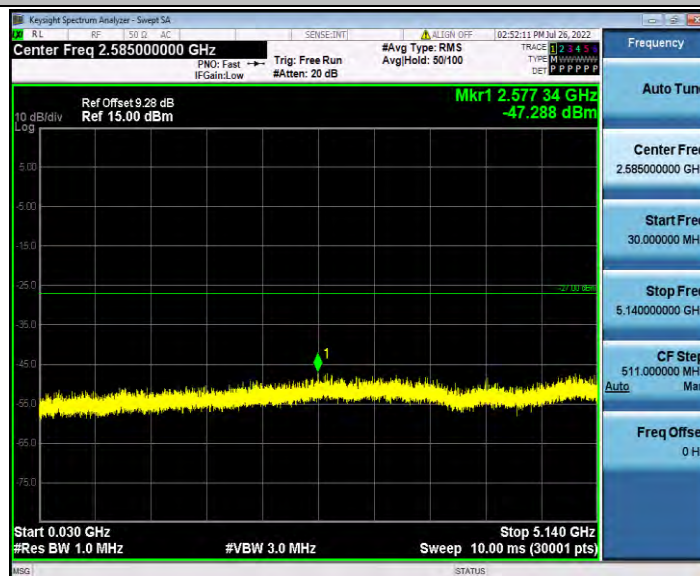
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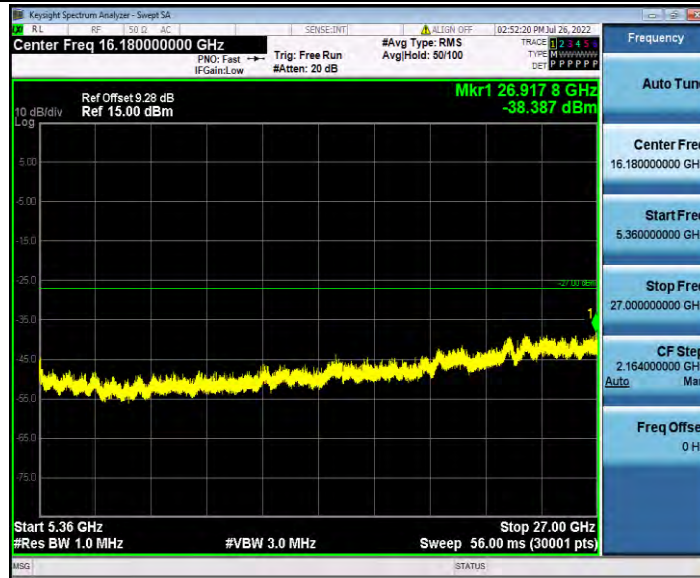
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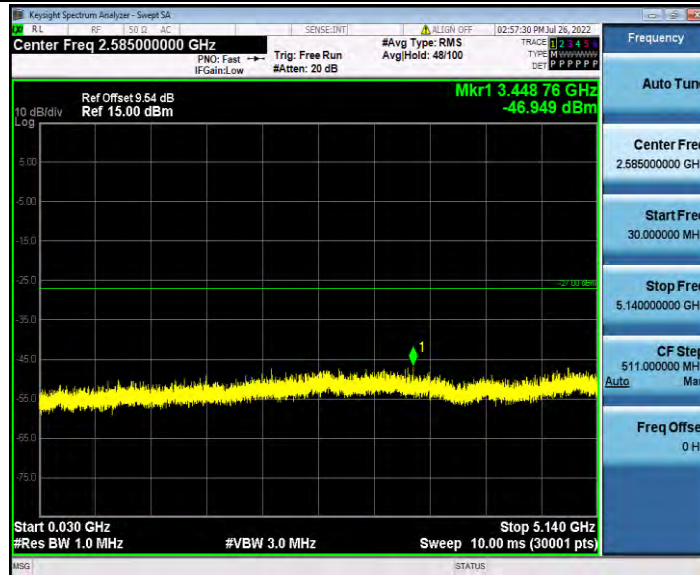
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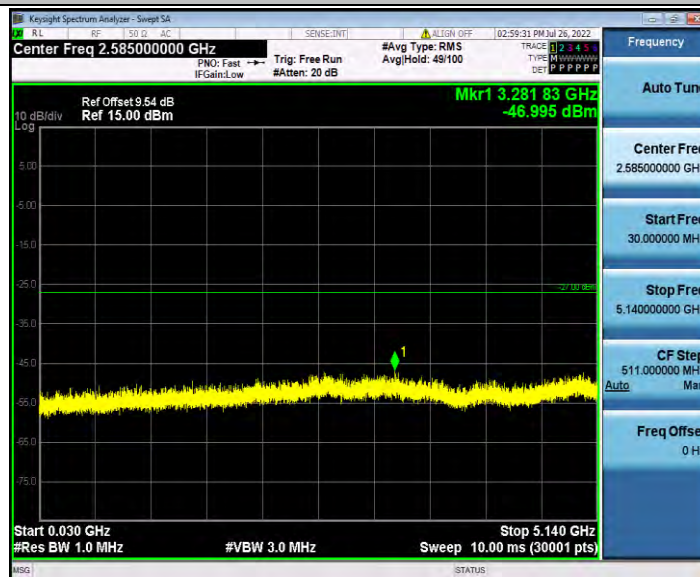
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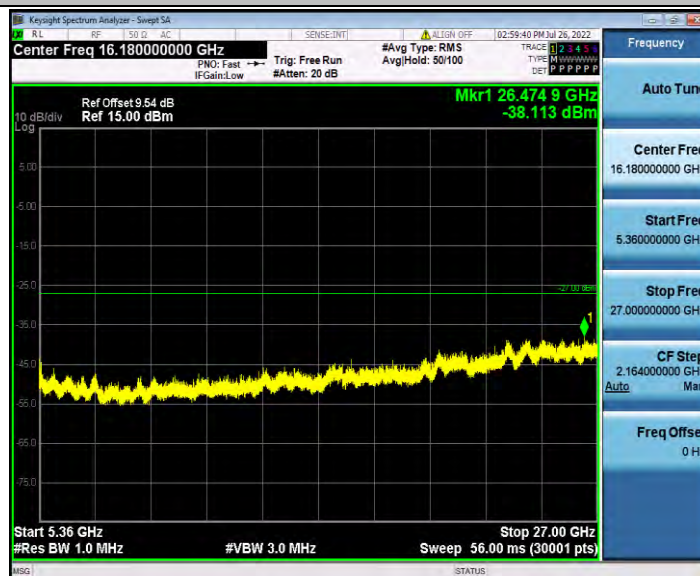
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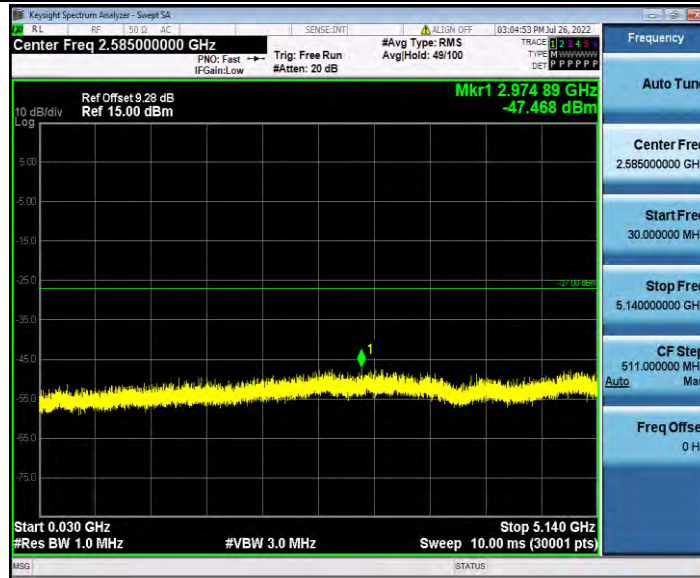
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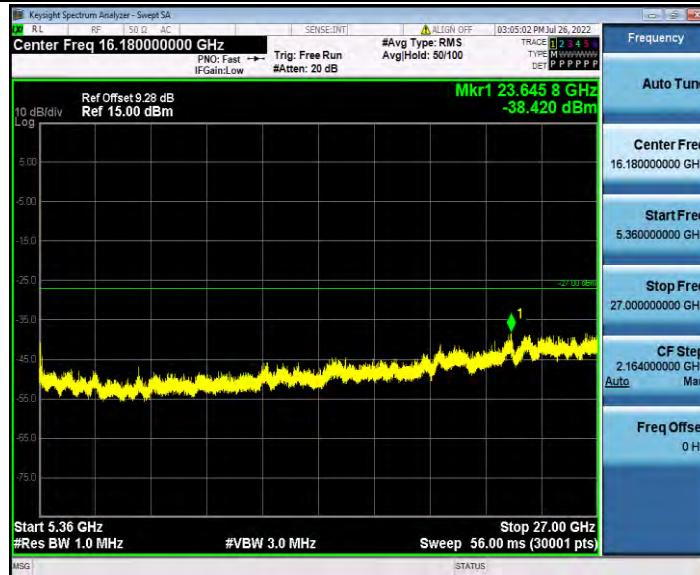
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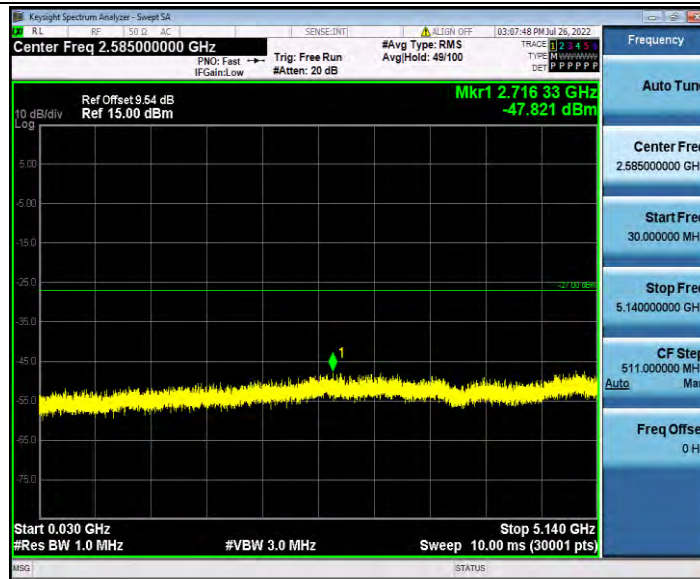
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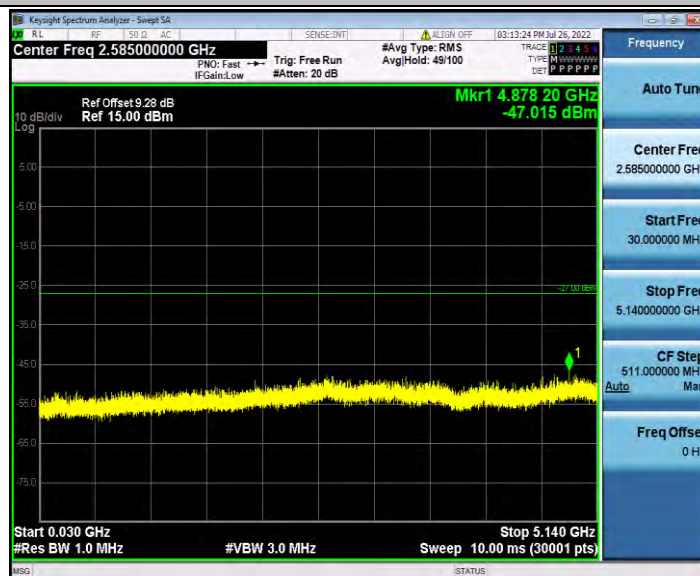
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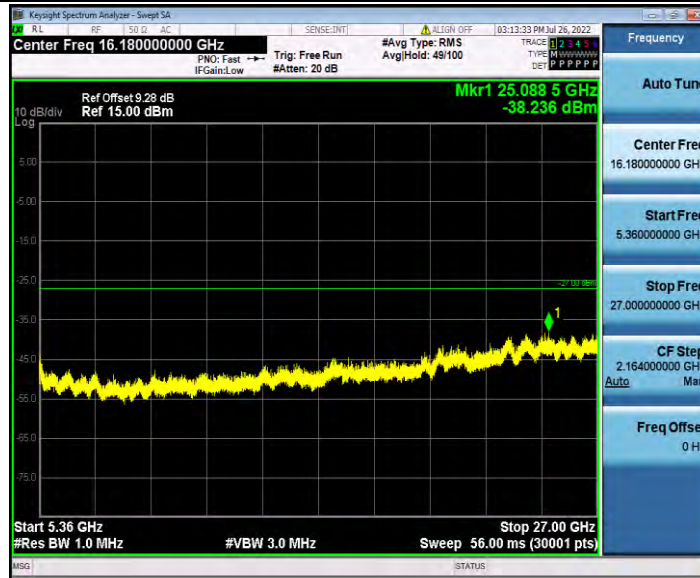
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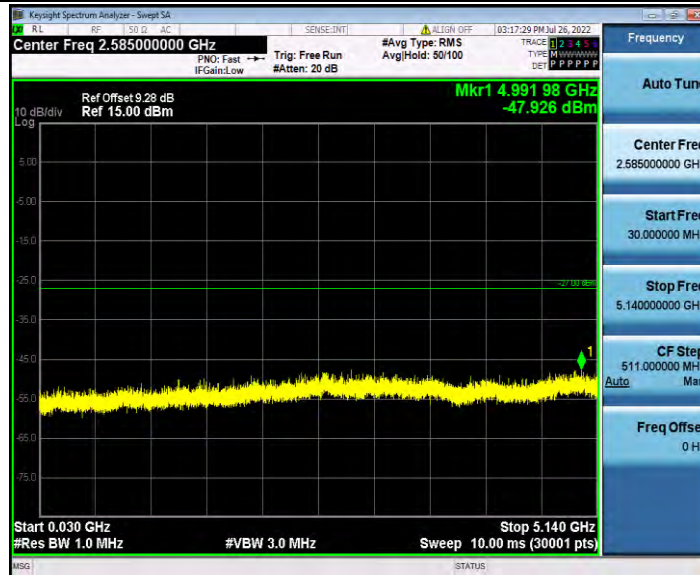
11AC40SISO_Ant1_5310_5140



11AC40SISO_Ant1_5310_5360~40000



11AC80SISO_Ant1_5290_30~5140



11AC80SISO_Ant1_5290_5360~40000

