

Case No. : GTS20230111005-1-13	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2023.2.18	Test Engineer: Jenny zeng

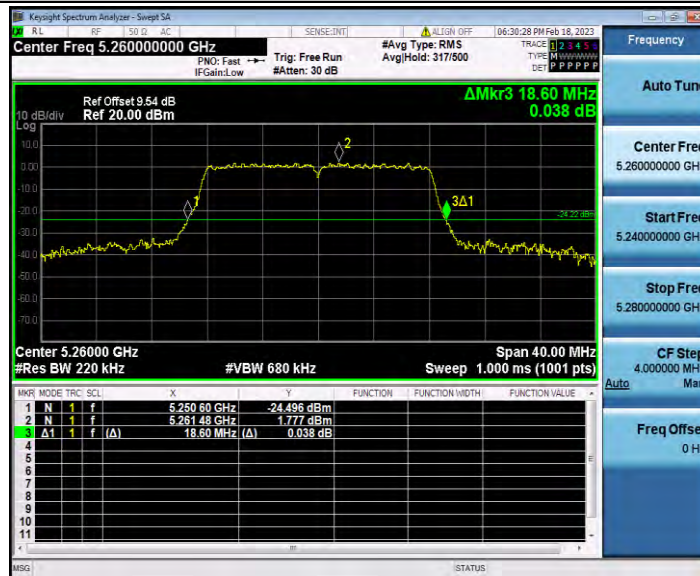
Appendix E.1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	18.600	5250.600	5269.200	---	---
		5280	18.600	5270.600	5289.200	---	---
		5320	21.840	5309.160	5331.000	---	---
11N20SISO	Ant1	5260	19.520	5250.200	5269.720	---	---
		5280	19.560	5270.240	5289.800	---	---
		5320	19.480	5310.320	5329.800	---	---
11N40SISO	Ant1	5270	41.760	5249.280	5291.040	---	---
		5310	41.040	5289.680	5330.720	---	---
11AC20SISO	Ant1	5260	19.520	5250.240	5269.760	---	---
		5280	19.600	5270.280	5289.880	---	---
		5320	19.600	5310.280	5329.880	---	---
11AC40SISO	Ant1	5270	41.520	5249.120	5290.640	---	---
		5310	41.440	5289.520	5330.960	---	---
11AC80SISO	Ant1	5290	81.280	5249.360	5330.640	---	---

Test Graphs

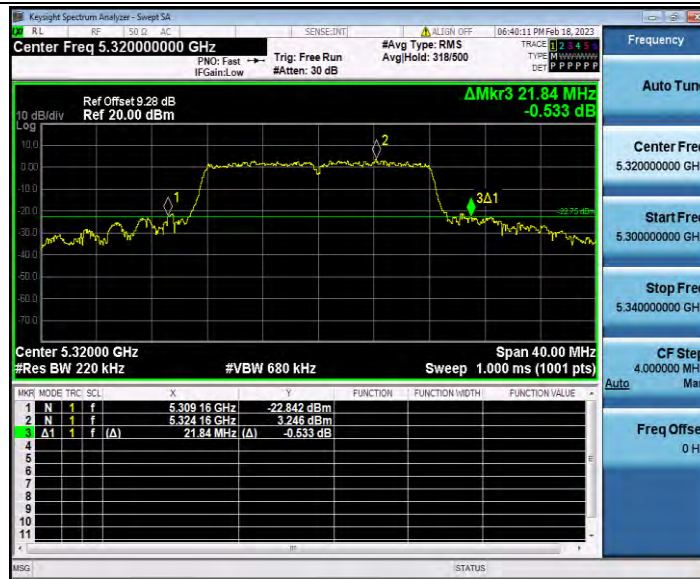
11A_Ant1_5260



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

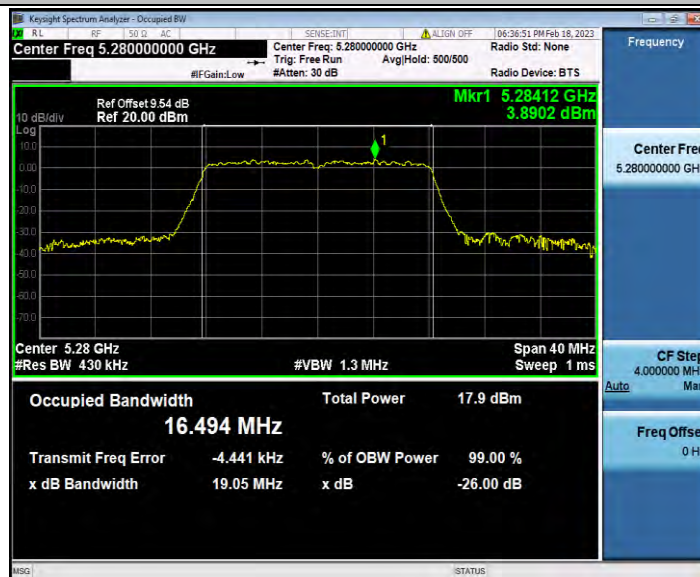
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	16.501	5251.719	5268.220	---	---
		5280	16.494	5271.749	5288.243	---	---
		5320	16.599	5311.689	5328.288	---	---
11N20SISO	Ant1	5260	17.615	5251.191	5268.806	---	---
		5280	17.629	5271.213	5288.842	---	---
		5320	17.622	5311.253	5328.875	---	---
11N40SISO	Ant1	5270	36.342	5251.870	5288.212	---	---
		5310	36.331	5291.993	5328.324	---	---
11AC20SISO	Ant1	5260	17.623	5251.169	5268.792	---	---
		5280	17.626	5271.223	5288.849	---	---
		5320	17.631	5311.240	5328.871	---	---
11AC40SISO	Ant1	5270	36.314	5251.873	5288.187	---	---
		5310	36.284	5292.002	5328.286	---	---
11AC80SISO	Ant1	5290	74.729	5252.757	5327.486	---	---

Test Graphs

11A_Ant1_5260



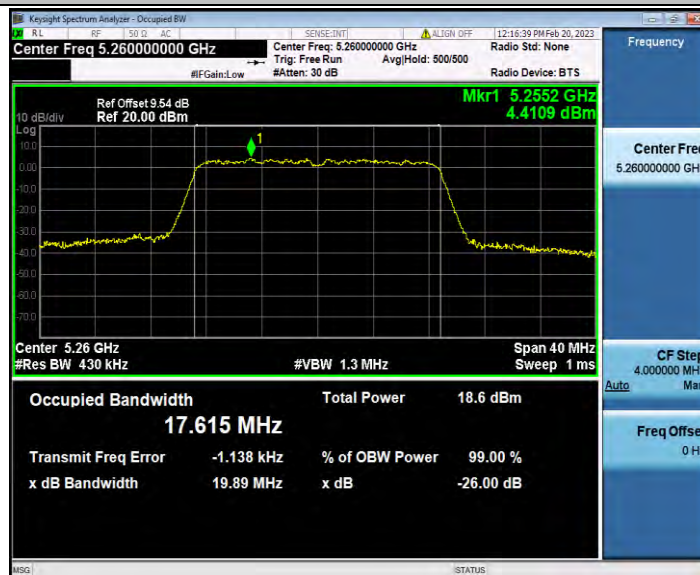
11A_Ant1_5280



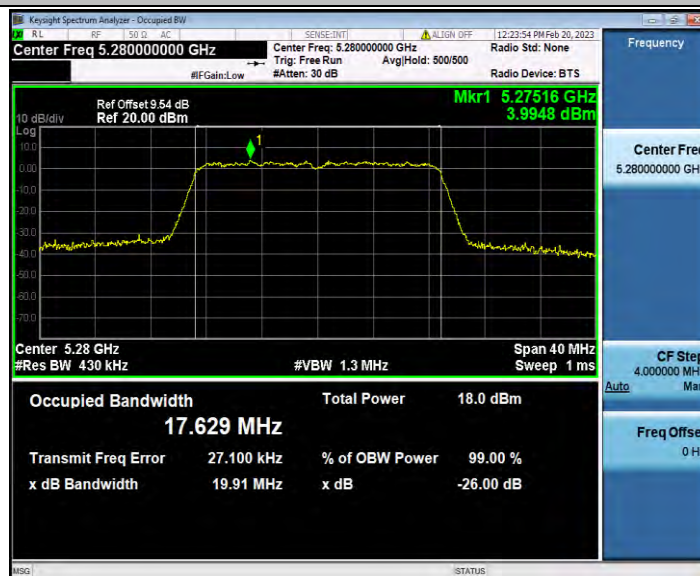
11A_Ant1_5320



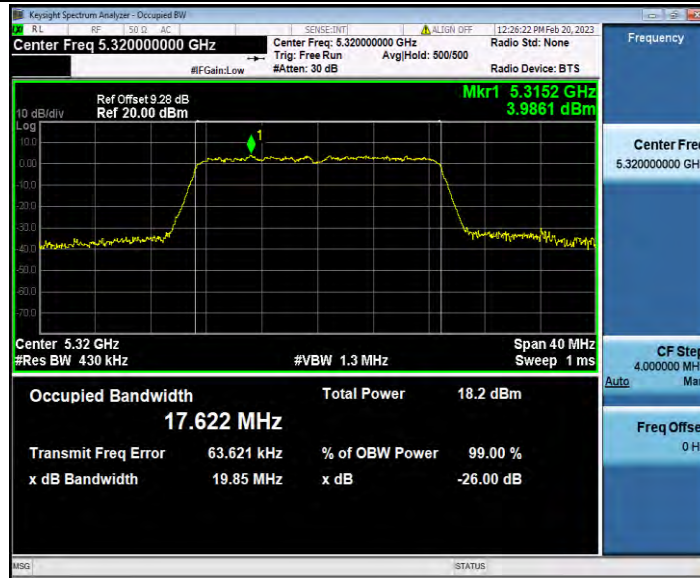
11N20SISO_Ant1_5260



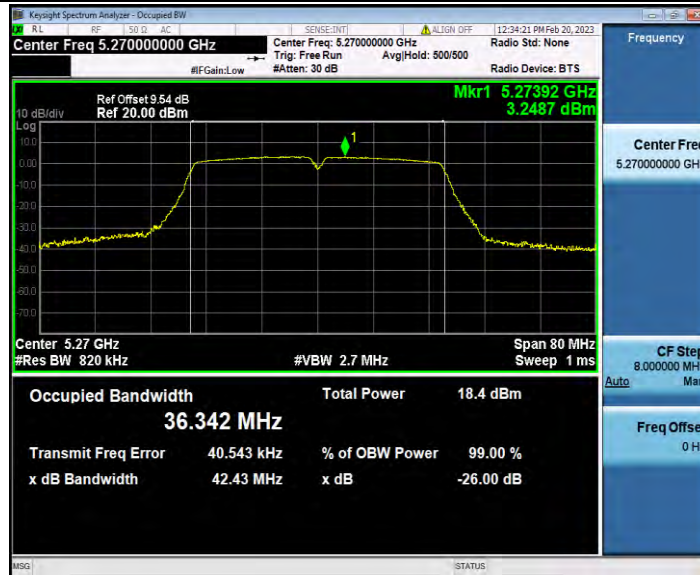
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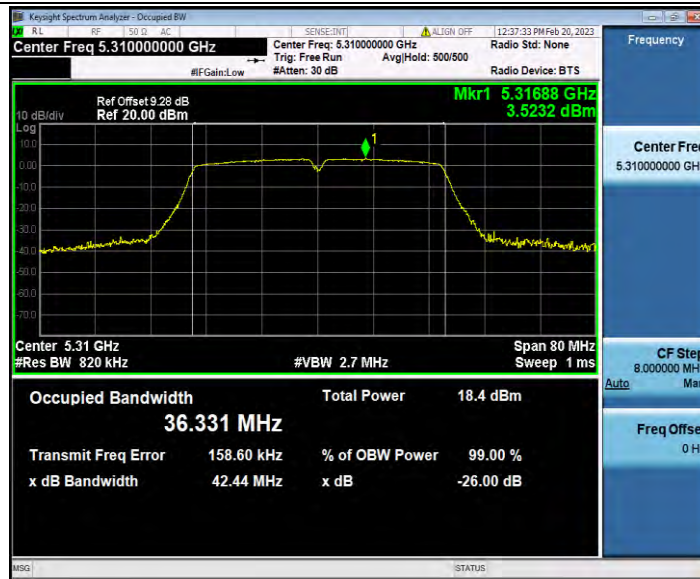
11N20SISO_Ant1_5320



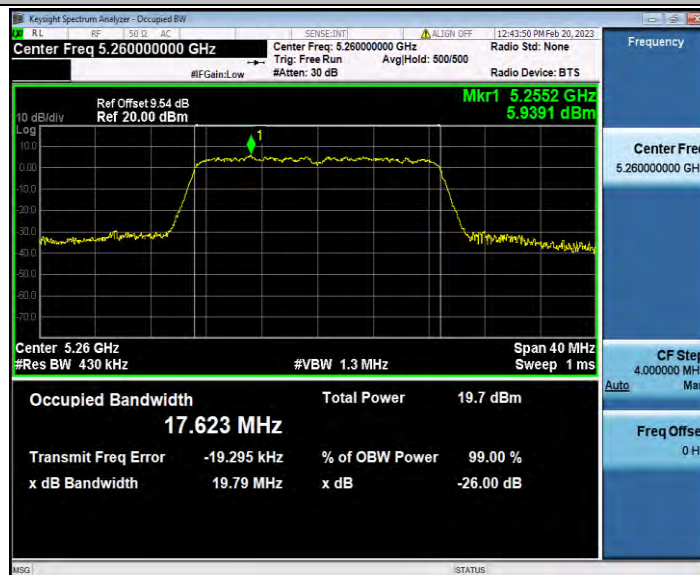
11N40SISO_Ant1_5270



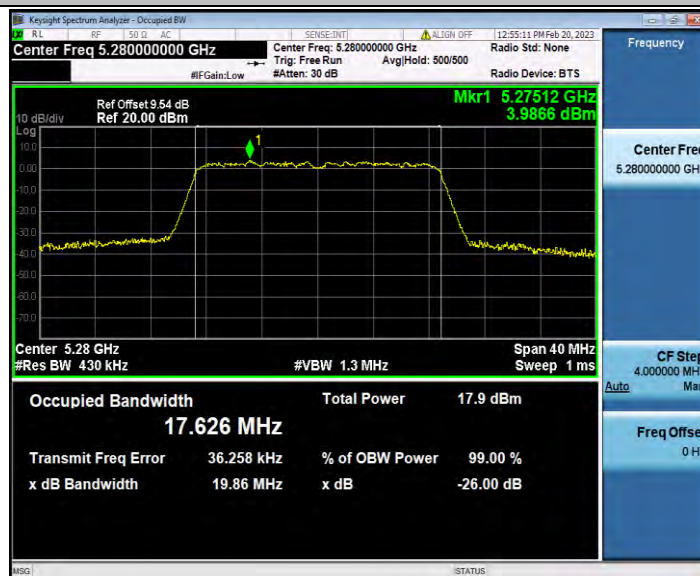
11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



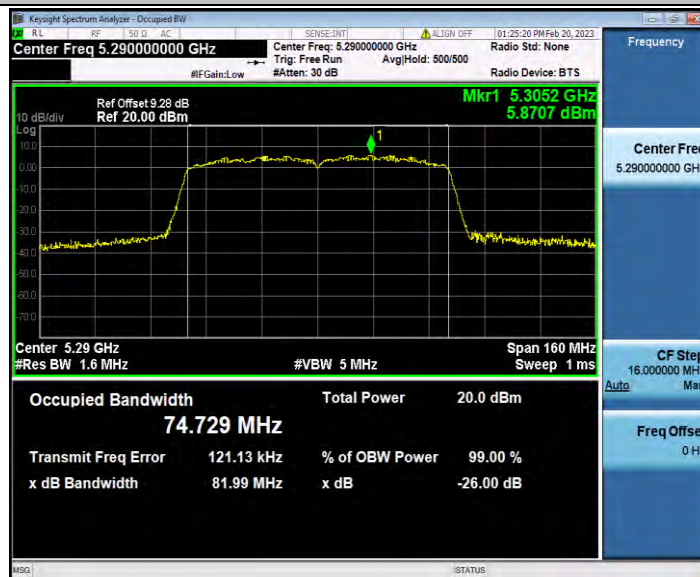
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



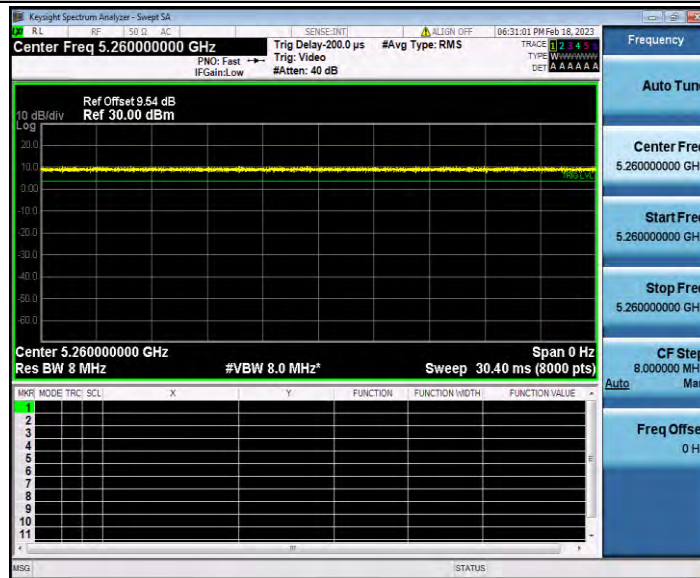
Appendix E.3: Duty Cycle

Test Result

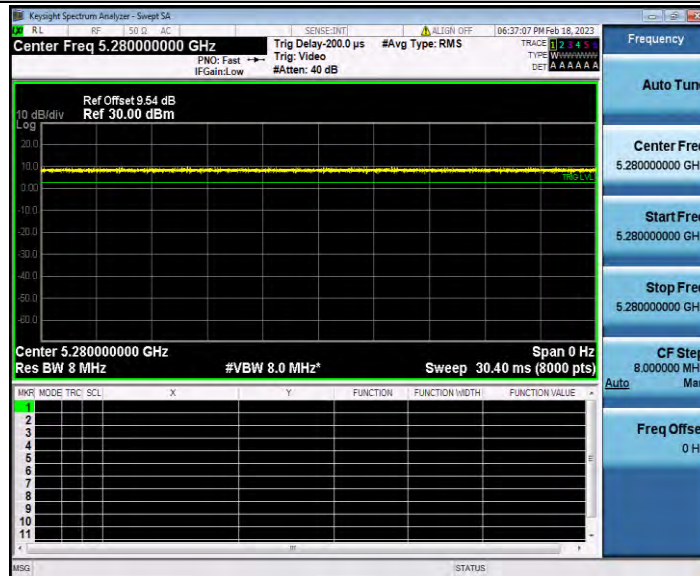
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5260	30.00	30.00	100.00
		5280	30.00	30.00	100.00
		5320	30.00	30.00	100.00
11N20SISO	Ant1	5260	30.00	30.00	100.00
		5280	30.00	30.00	100.00
		5320	30.00	30.00	100.00
11N40SISO	Ant1	5270	30.00	30.00	100.00
		5310	30.00	30.00	100.00
11AC20SISO	Ant1	5260	30.00	30.00	100.00
		5280	30.00	30.00	100.00
		5320	30.00	30.00	100.00
11AC40SISO	Ant1	5270	30.00	30.00	100.00
		5310	30.00	30.00	100.00
11AC80SISO	Ant1	5290	30.00	30.00	100.00

Test Graphs

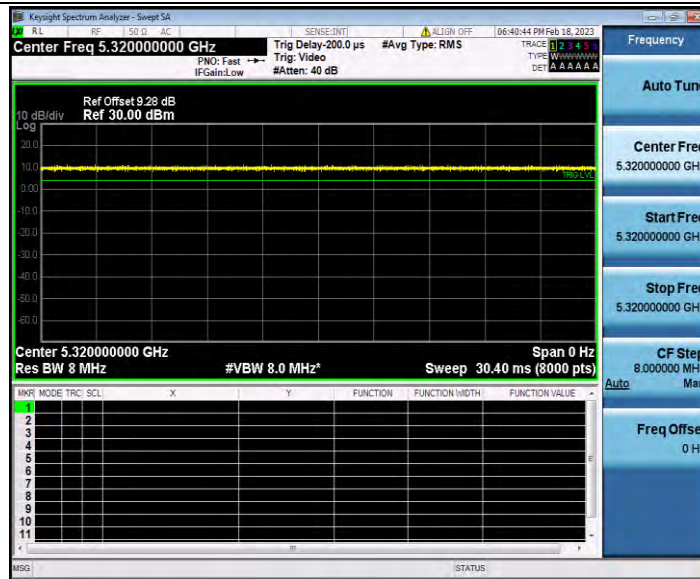
11A_Ant1_5260



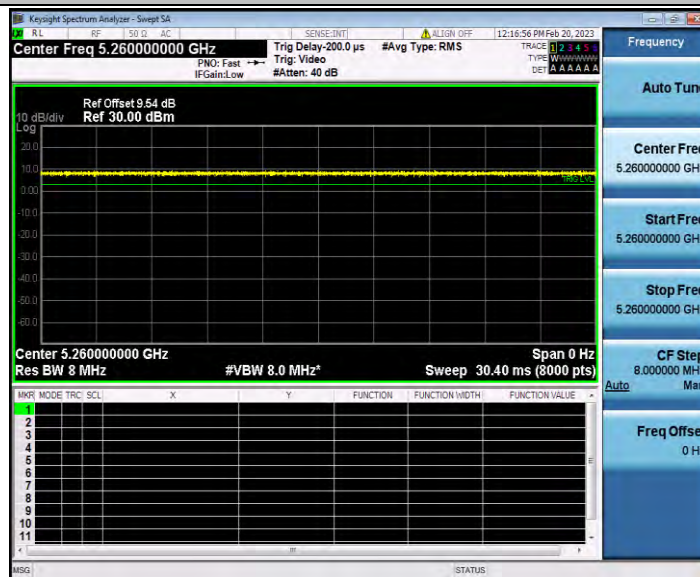
11A_Ant1_5280



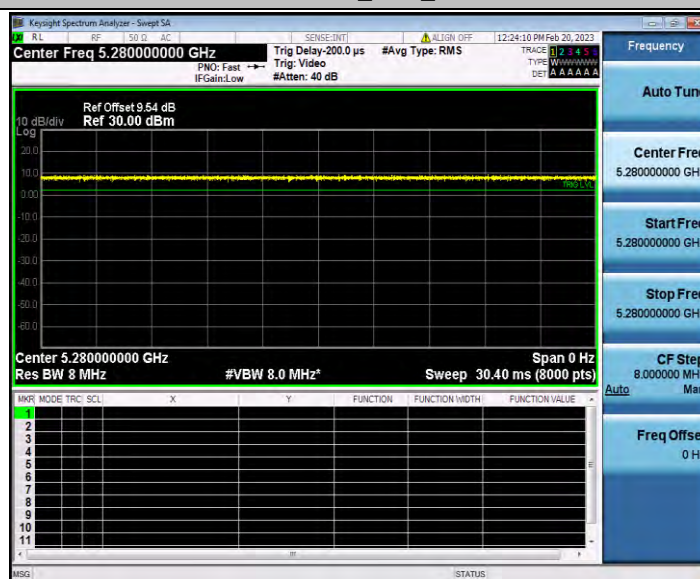
11A_Ant1_5320



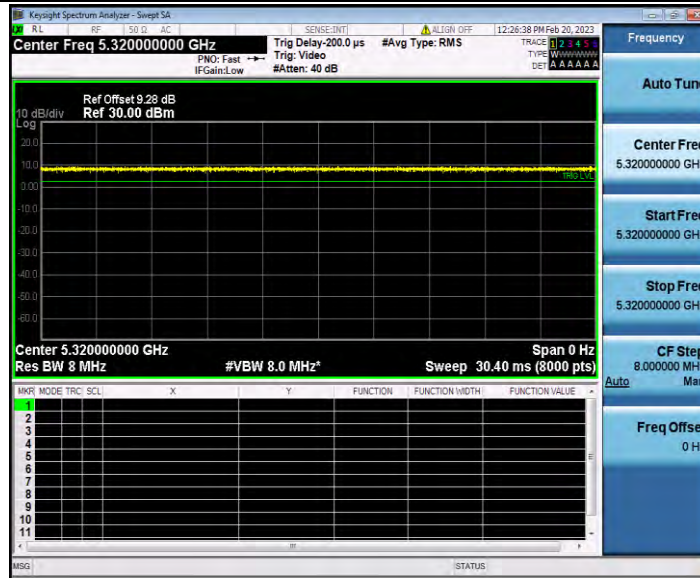
11N20SISO_Ant1_5260



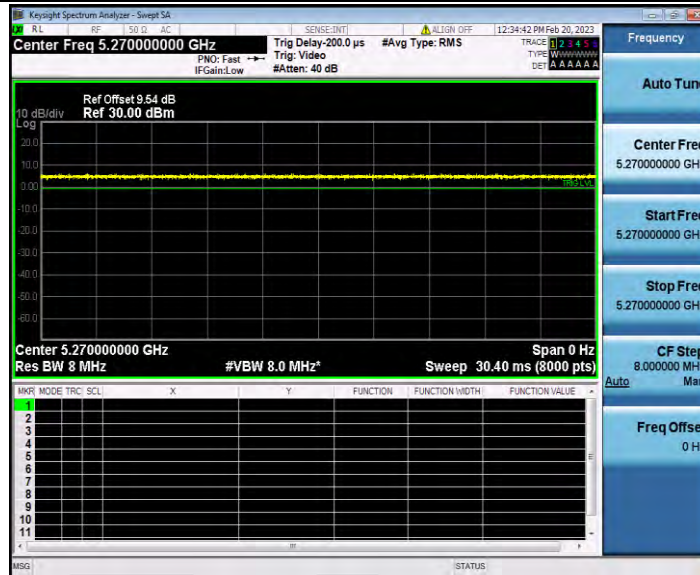
11N20SISO_Ant1_5280



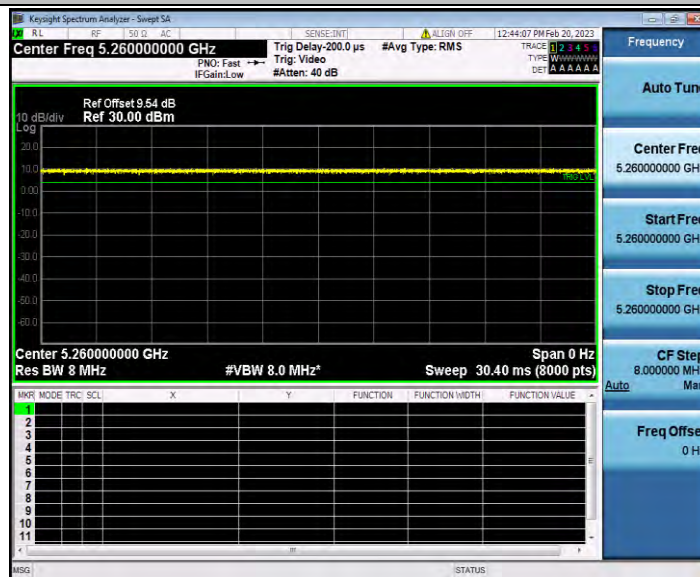
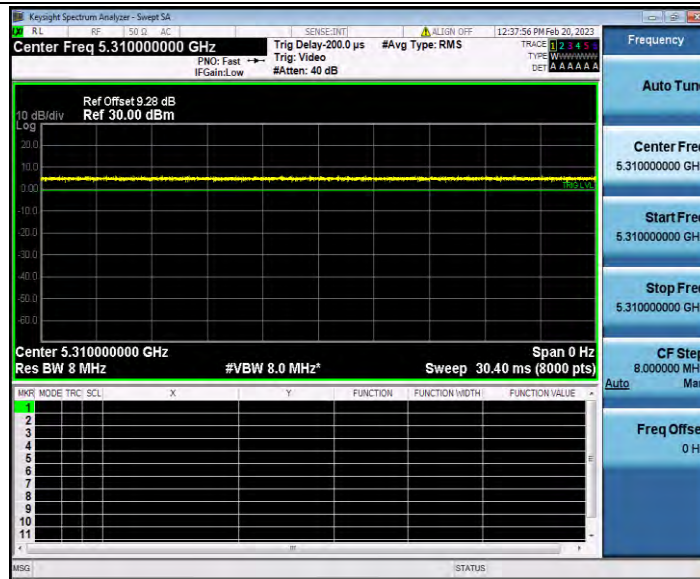
11N20SISO_Ant1_5320



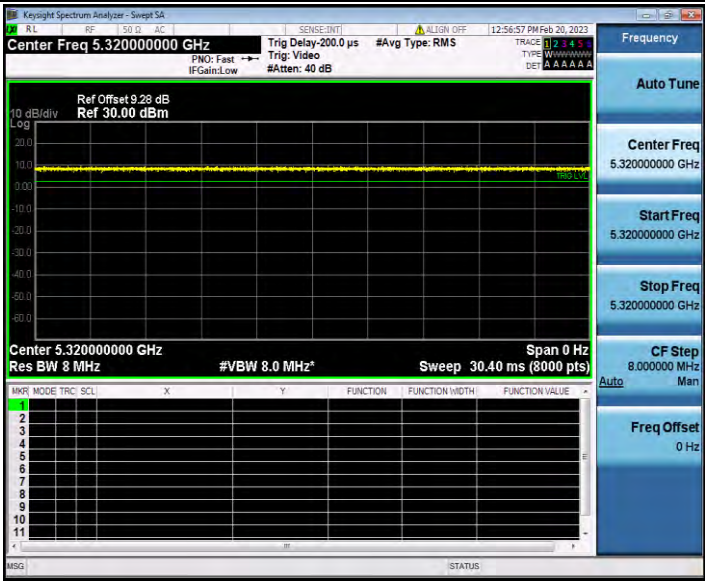
11N40SISO_Ant1_5270



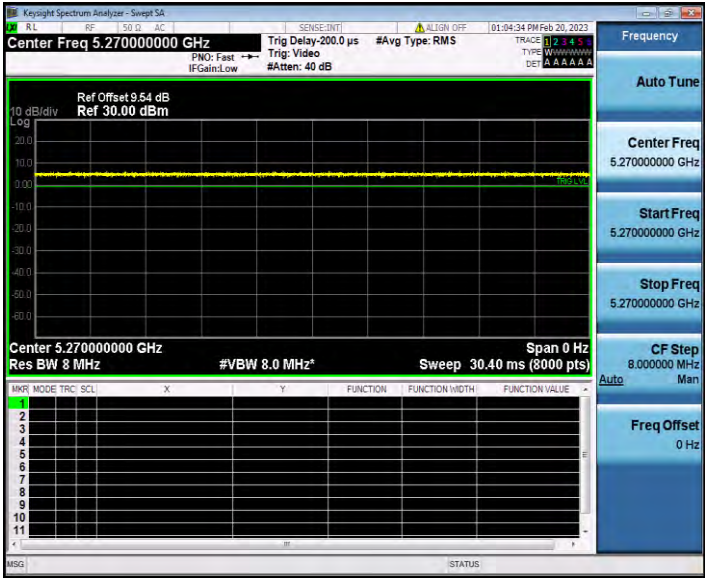
11N40SISO_Ant1_5310



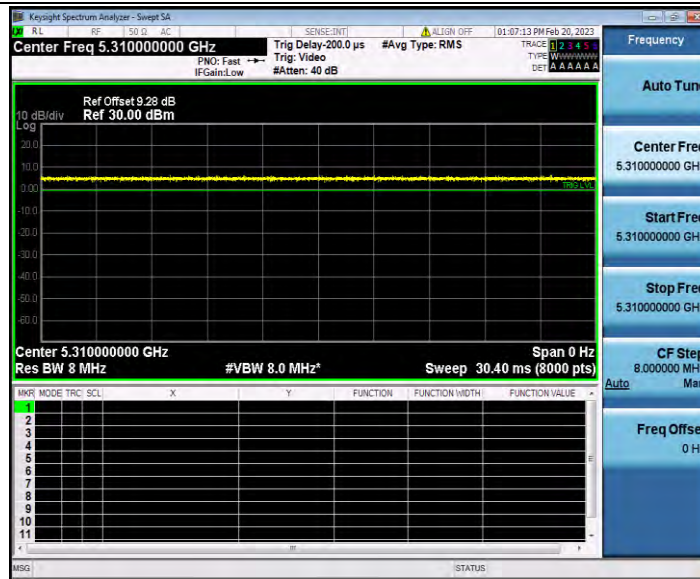
11AC20SISO_Ant1_5320



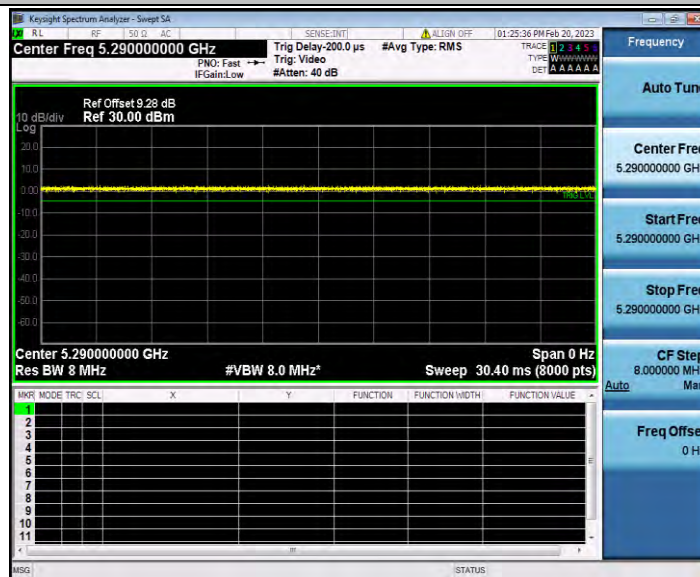
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



Appendix E.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	12.01	100.00	0.00	12.01	≤23.70	PASS
		5280	11.32	100.00	0.00	11.32	≤23.70	PASS
		5320	12.37	100.00	0.00	12.37	≤23.98	PASS
11N20SISO	Ant1	5260	11.62	100.00	0.00	11.62	≤23.90	PASS
		5280	11.24	100.00	0.00	11.24	≤23.91	PASS
		5320	11.47	100.00	0.00	11.47	≤23.90	PASS
11N40SISO	Ant1	5270	11.14	100.00	0.00	11.14	≤23.98	PASS
		5310	11.13	100.00	0.00	11.13	≤23.98	PASS
11AC20SISO	Ant1	5260	12.45	100.00	0.00	12.45	≤23.90	PASS
		5280	11.23	100.00	0.00	11.23	≤23.92	PASS
		5320	11.60	100.00	0.00	11.60	≤23.92	PASS
11AC40SISO	Ant1	5270	11.16	100.00	0.00	11.16	≤23.98	PASS
		5310	11.01	100.00	0.00	11.01	≤23.98	PASS
11AC80SISO	Ant1	5290	10.99	100.00	0.00	10.99	≤23.98	PASS

Note: The Duty Cycle Factor is compensated in the graph.

Appendix E.5: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	0.3	≤11.00	PASS
		5280	-0.3	≤11.00	PASS
		5320	0.75	≤11.00	PASS
11N20SISO	Ant1	5260	-0.49	≤11.00	PASS
		5280	-0.7	≤11.00	PASS
		5320	-0.29	≤11.00	PASS
11N40SISO	Ant1	5270	-3.4	≤11.00	PASS
		5310	-3.36	≤11.00	PASS
11AC20SISO	Ant1	5260	0.44	≤11.00	PASS
		5280	-0.66	≤11.00	PASS
		5320	-0.19	≤11.00	PASS
11AC40SISO	Ant1	5270	-3.34	≤11.00	PASS
		5310	-3.37	≤11.00	PASS
11AC80SISO	Ant1	5290	-6.78	≤11.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

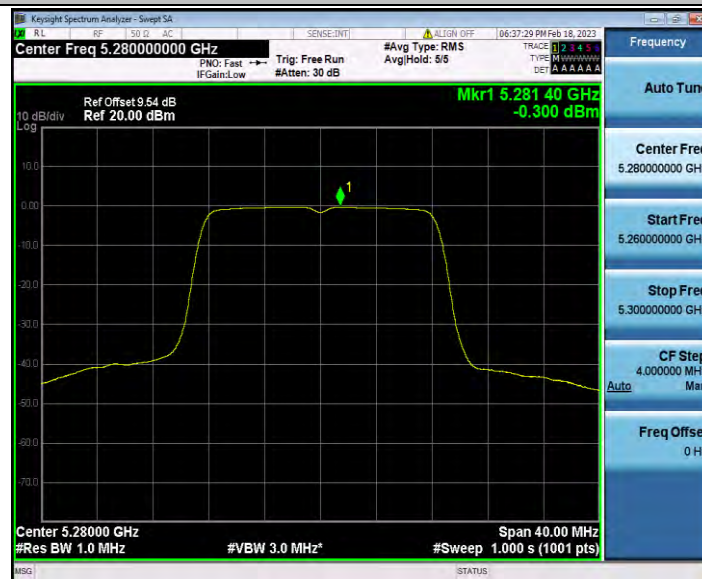
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant1_5260



11A_Ant1_5280



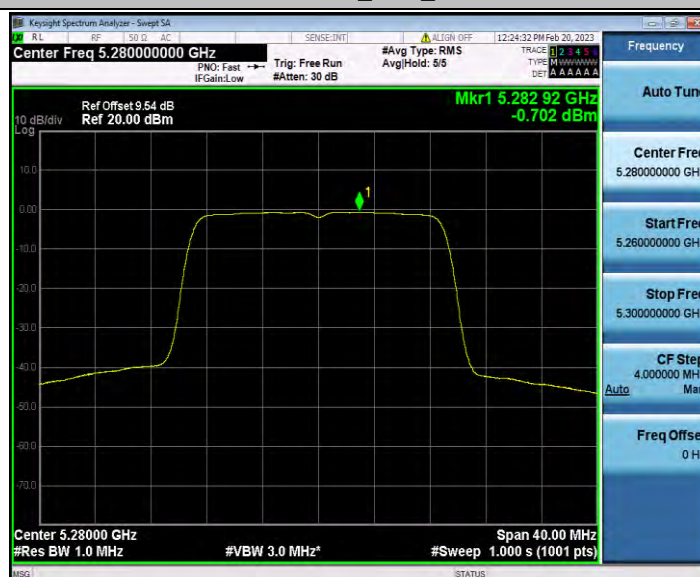
11A_Ant1_5320



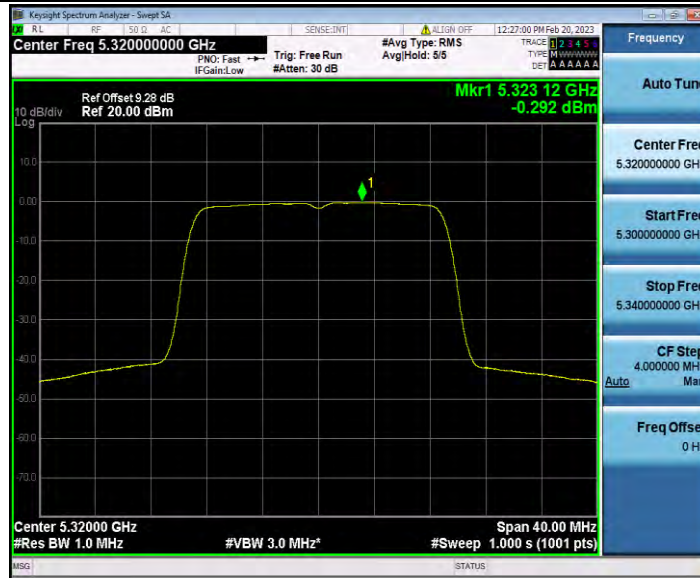
11N20SISO_Ant1_5260



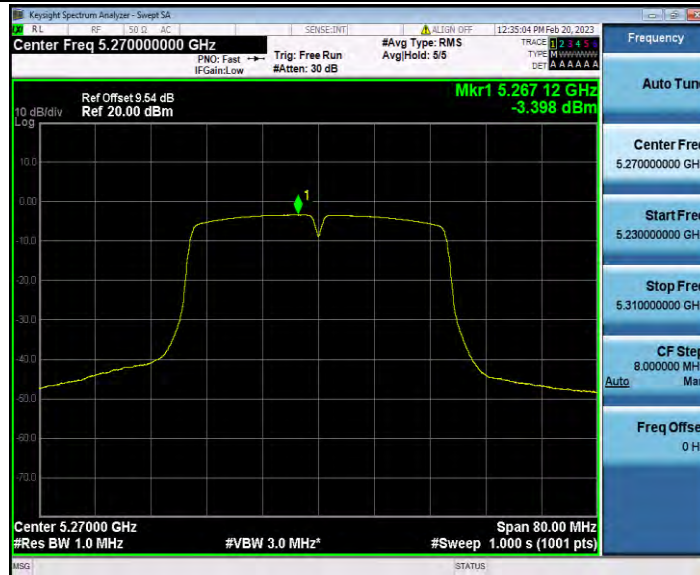
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



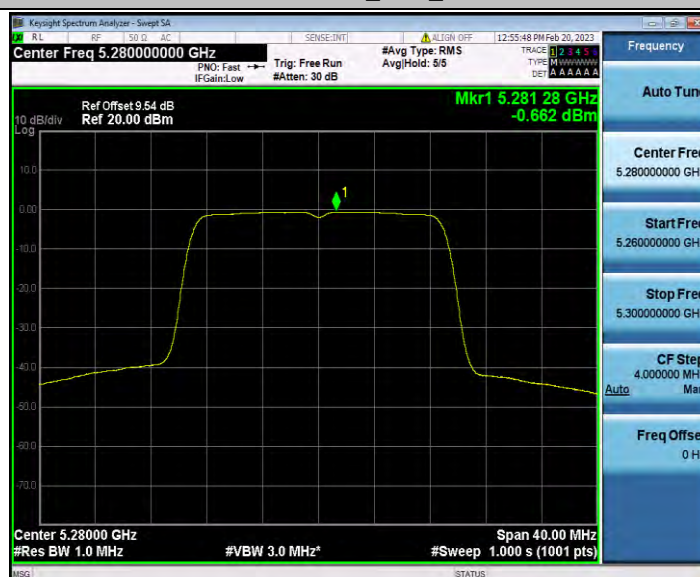
11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



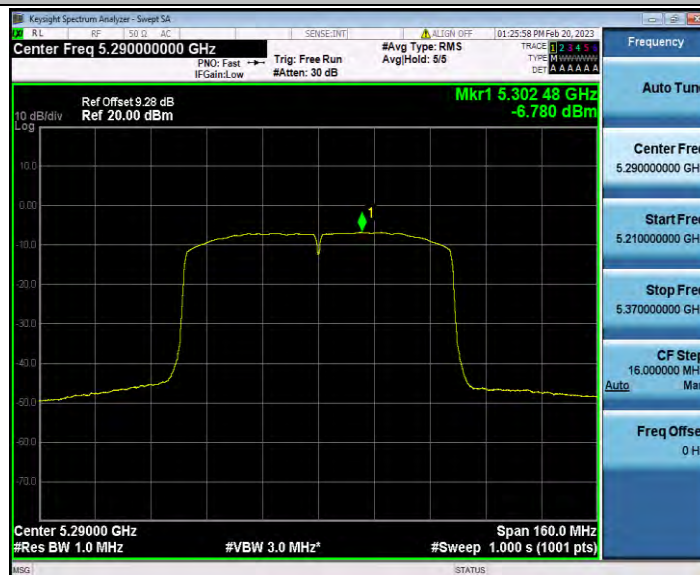
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



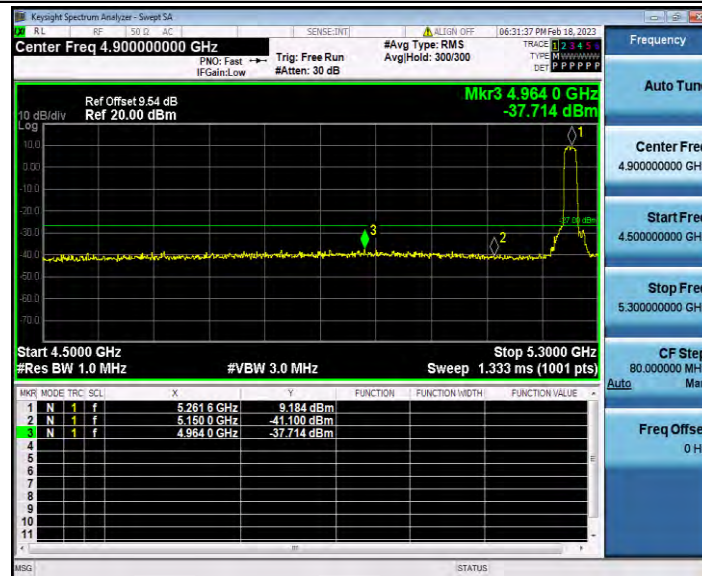
Appendix E.6: Band edge measurements

Test Result B2

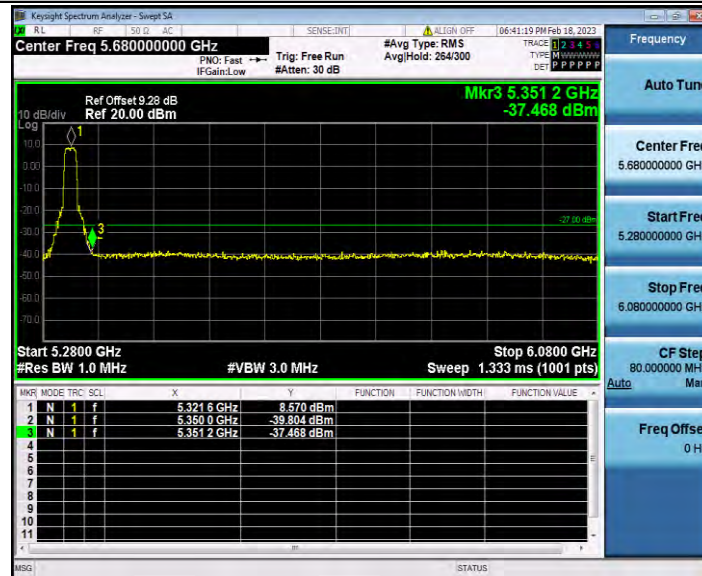
TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5260	-37.71	≤-27	PASS
		High	5320	-37.47	≤-27	PASS
11N20SISO	Ant1	Low	5260	-38.08	≤-27	PASS
		High	5320	-38.09	≤-27	PASS
11N40SISO	Ant1	Low	5270	-38.42	≤-27	PASS
		High	5310	-37.3	≤-27	PASS
11AC20SISO	Ant1	Low	5260	-38.07	≤-27	PASS
		High	5320	-37.89	≤-27	PASS
11AC40SISO	Ant1	Low	5270	-37.58	≤-27	PASS
		High	5310	-38.28	≤-27	PASS
11AC80SISO	Ant1	Low	5290	-37.6	≤-27	PASS
		High	5290	-39.72	≤-27	PASS

Test Graphs B2

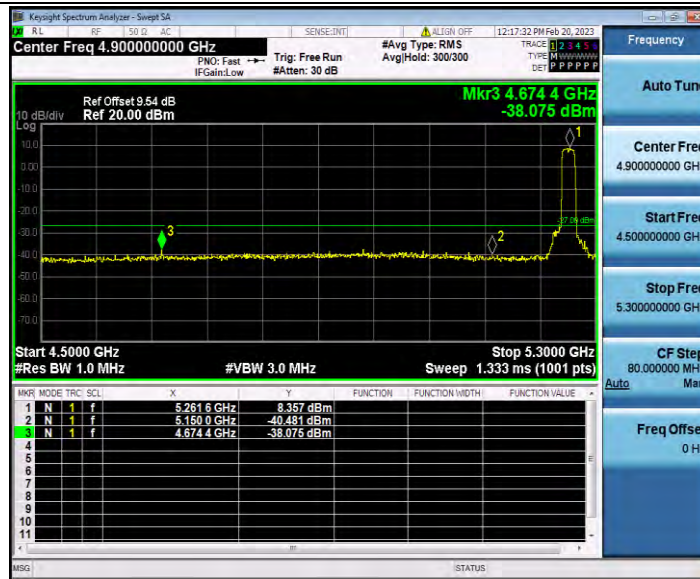
11A_Ant1_Low_5260



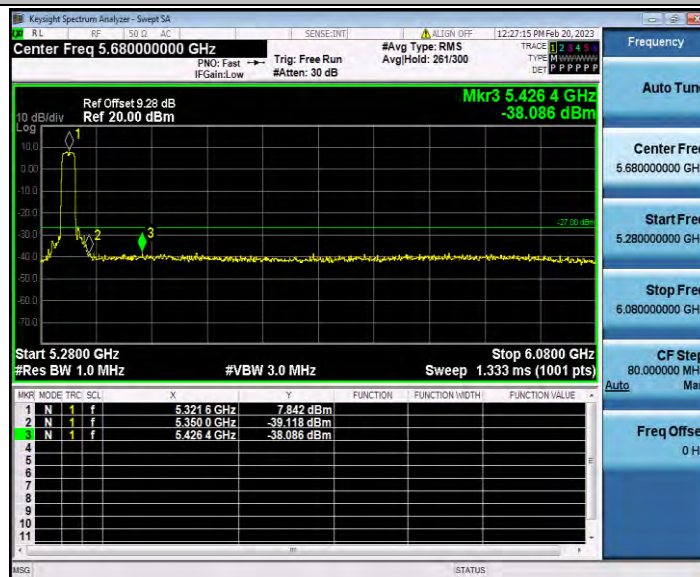
11A_Ant1_High_5320



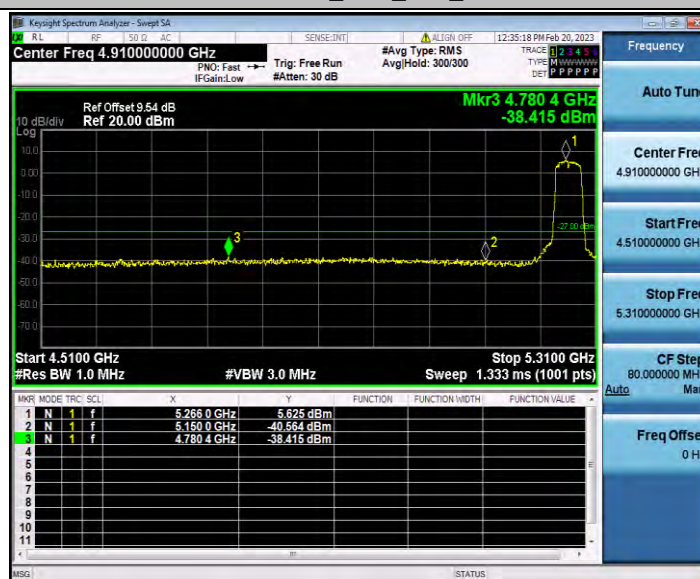
11N20SISO_Ant1_Low_5260



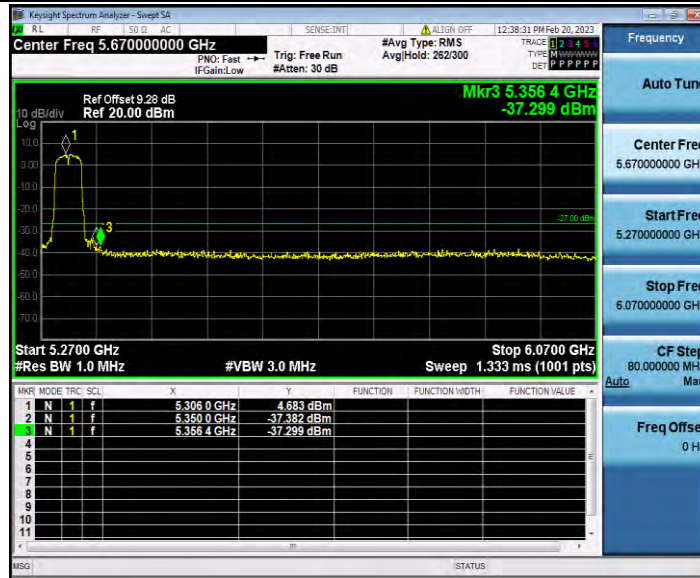
11N20SISO_Ant1_High_5320



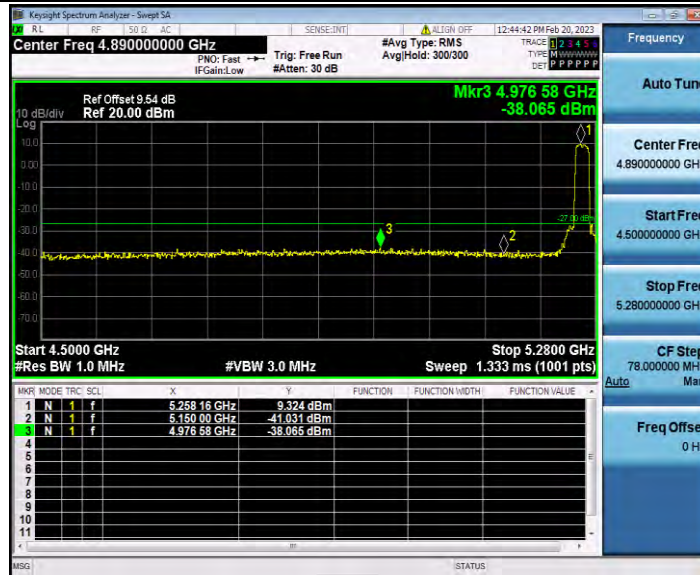
11N40SISO_Ant1_Low_5270



11N40SISO_Ant1_High_5310



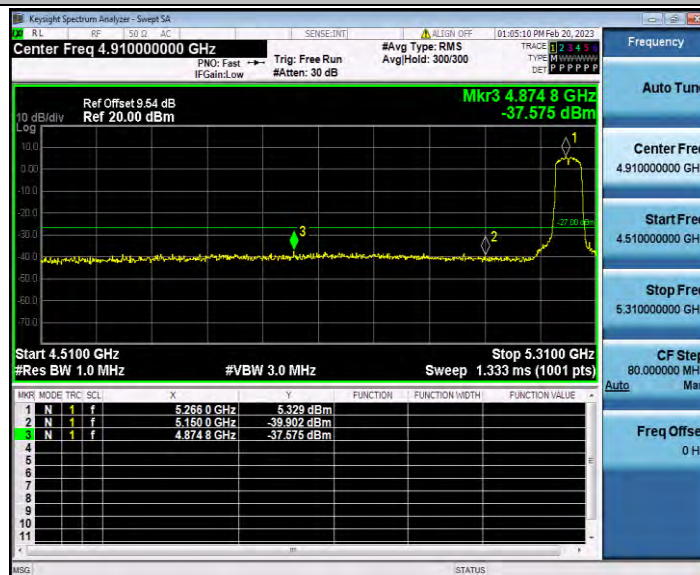
11AC20SISO_Ant1_Low_5260



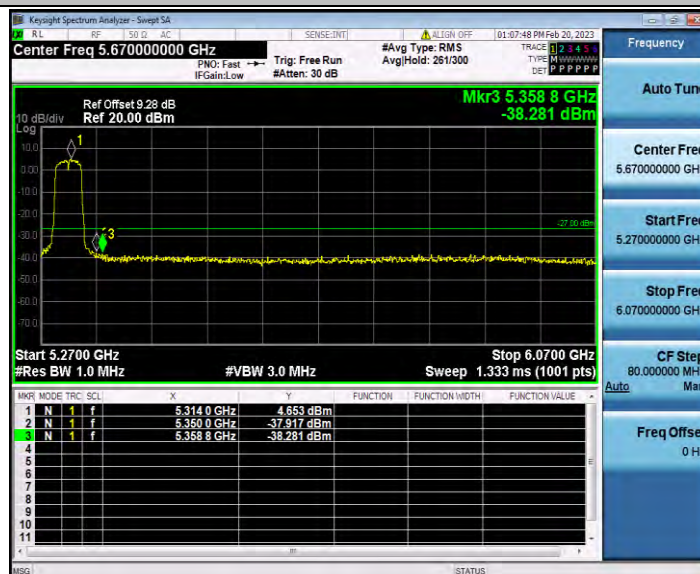
11AC20SISO_Ant1_High_5320



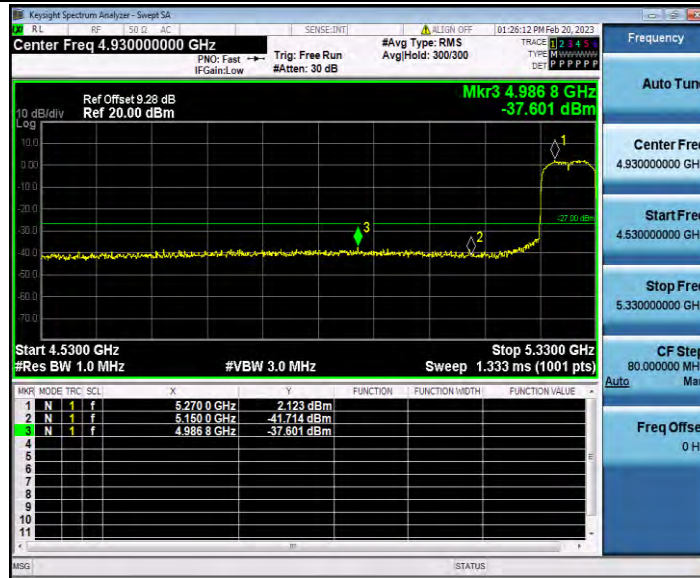
11AC40SISO_Ant1_Low_5270



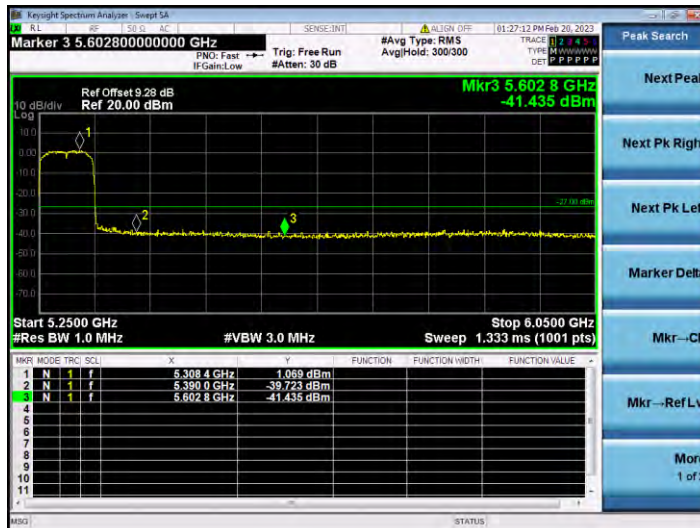
11AC40SISO_Ant1_High_5310



11AC80SISO_Ant1_Low_5290



11AC80SISO_Ant1_High_5290



Appendix E.7: 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	2788.38	-46.89	≤-27	PASS
			5360~40000	26537.63	-38.28	≤-27	PASS
		5280	30~5140	2645.64	-47.43	≤-27	PASS
			5360~40000	24238.01	-38.73	≤-27	PASS
		5320	30~5140	4939.86	-47.66	≤-27	PASS
			5360~40000	24173.82	-38.37	≤-27	PASS
11N20SISO	Ant1	5260	30~5140	2661.31	-47.23	≤-27	PASS
			5360~40000	26965.38	-38.4	≤-27	PASS
		5280	30~5140	4957.4	-46.39	≤-27	PASS
			5360~40000	24974.5	-38.38	≤-27	PASS
		5320	30~5140	3397.83	-46.87	≤-27	PASS
			5360~40000	25547.23	-37.7	≤-27	PASS
11N40SISO	Ant1	5270	30~5140	2669.14	-47.37	≤-27	PASS
			5360~40000	24260.38	-37.93	≤-27	PASS
		5310	30~5140	3039.45	-47.12	≤-27	PASS
			5360~40000	26919.93	-38.02	≤-27	PASS
11AC20SISO	Ant1	5260	30~5140	5021.11	-47.24	≤-27	PASS
			5360~40000	24859.8	-38.19	≤-27	PASS
		5280	30~5140	2659.27	-46.15	≤-27	PASS
			5360~40000	25013.45	-37.71	≤-27	PASS
		5320	30~5140	4940.03	-46.35	≤-27	PASS
			5360~40000	26068.76	-37.68	≤-27	PASS
11AC40SISO	Ant1	5270	30~5140	4968.64	-46.52	≤-27	PASS
			5360~40000	23550.58	-36.89	≤-27	PASS
		5310	30~5140	1963.28	-47.64	≤-27	PASS
			5360~40000	26992.79	-38.37	≤-27	PASS
11AC80SISO	Ant1	5290	30~5140	3074.03	-47.55	≤-27	PASS
			5360~40000	24282.74	-38.18	≤-27	PASS

Test Graphs

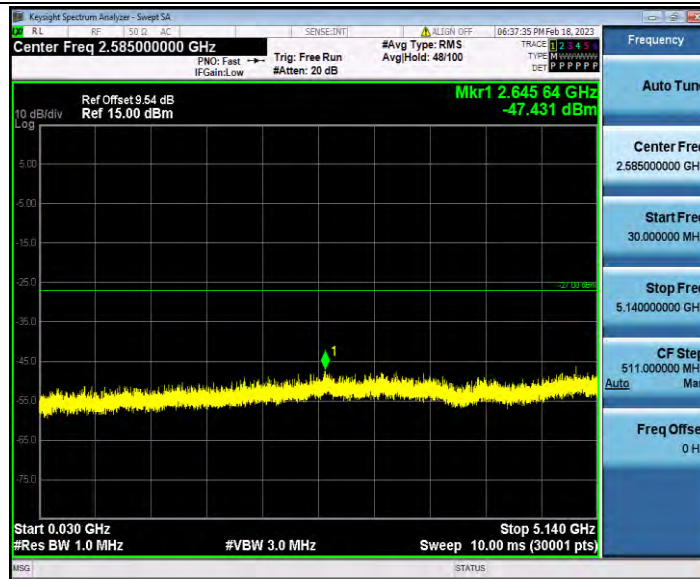
11A_Ant1_5260_30~5140



11A_Ant1_5260_5360~40000



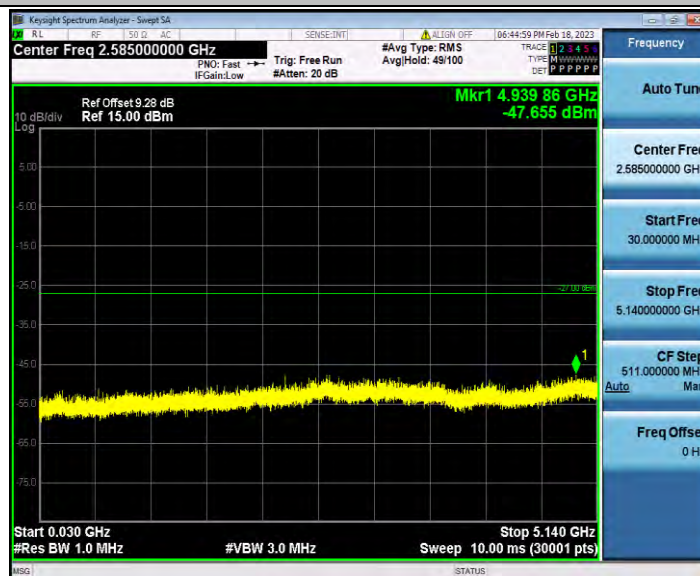
11A_Ant1_5280_30~5140



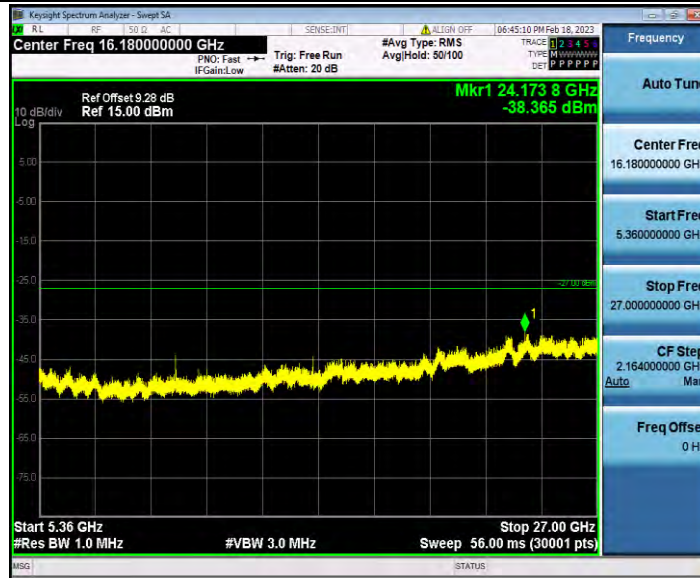
11A_Ant1_5280_5360~40000



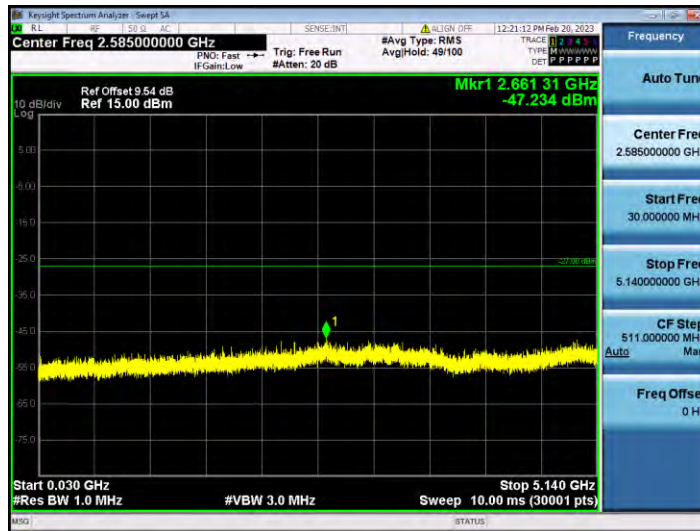
11A_Ant1_5320_30~5140



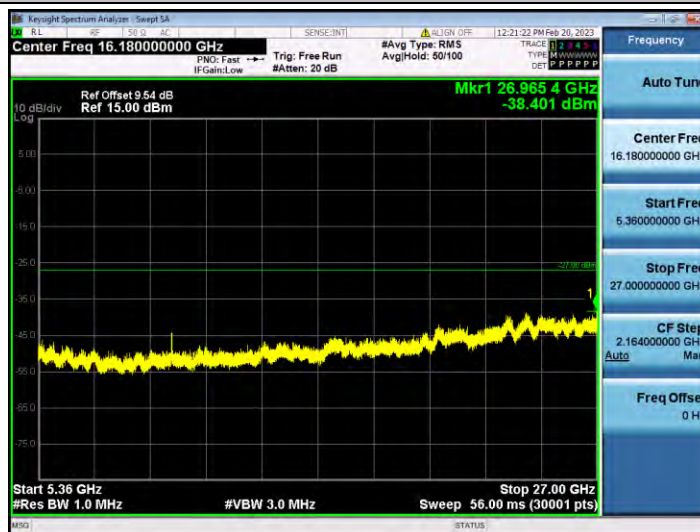
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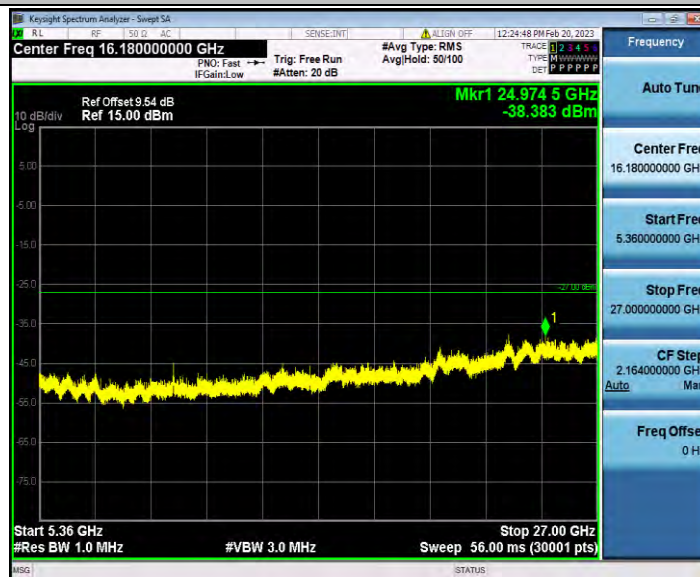
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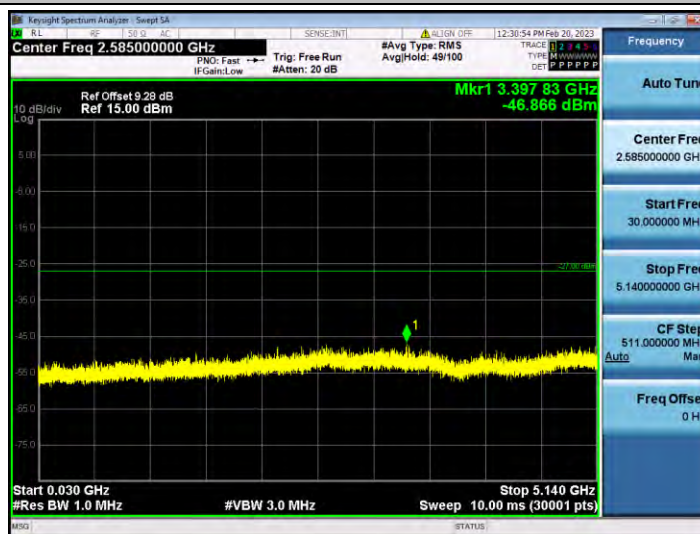
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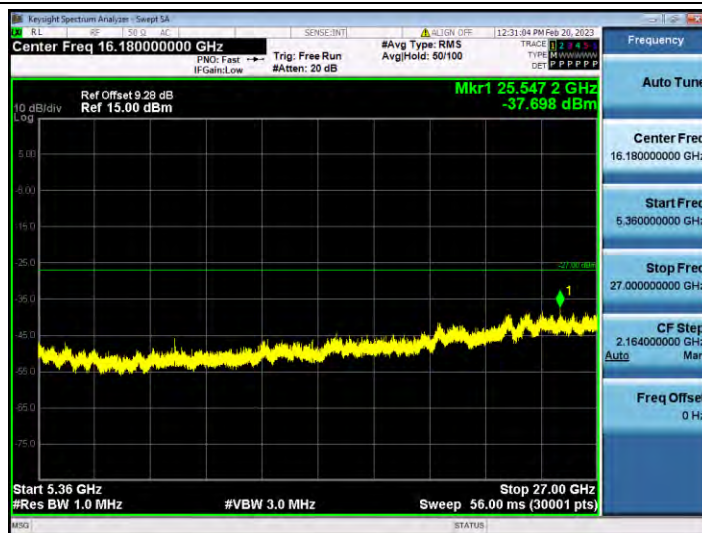
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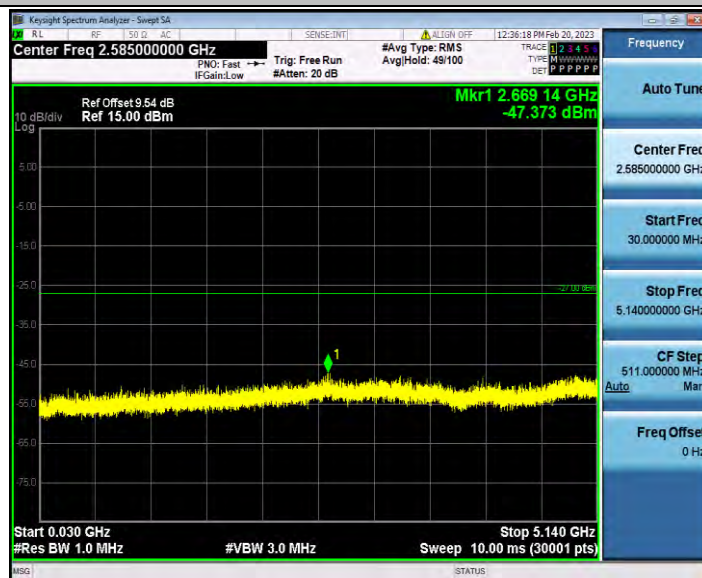
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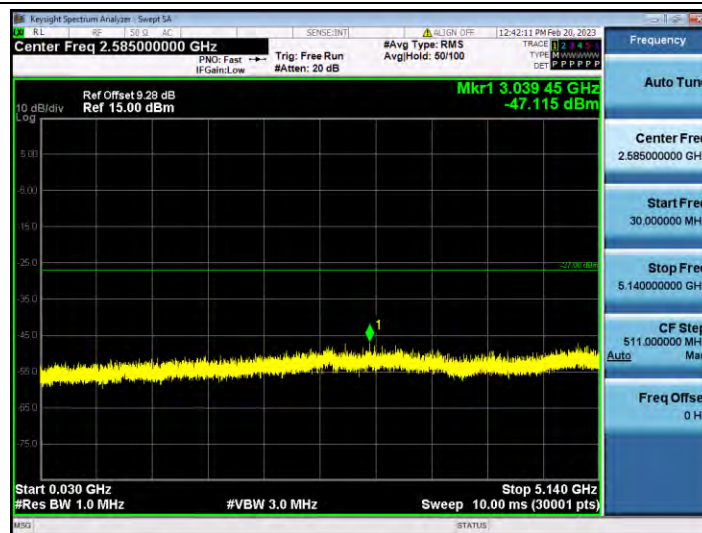
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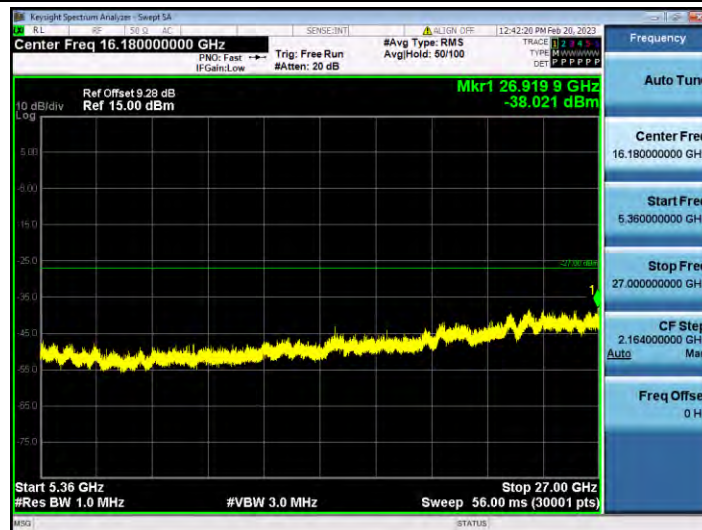
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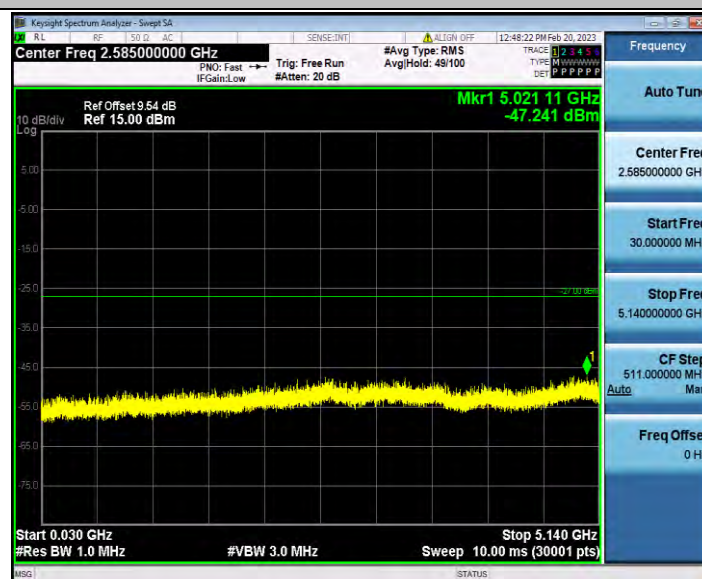
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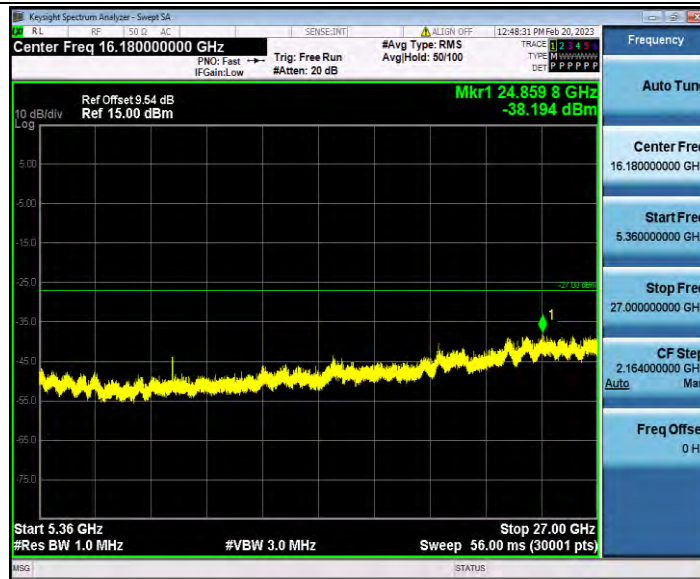
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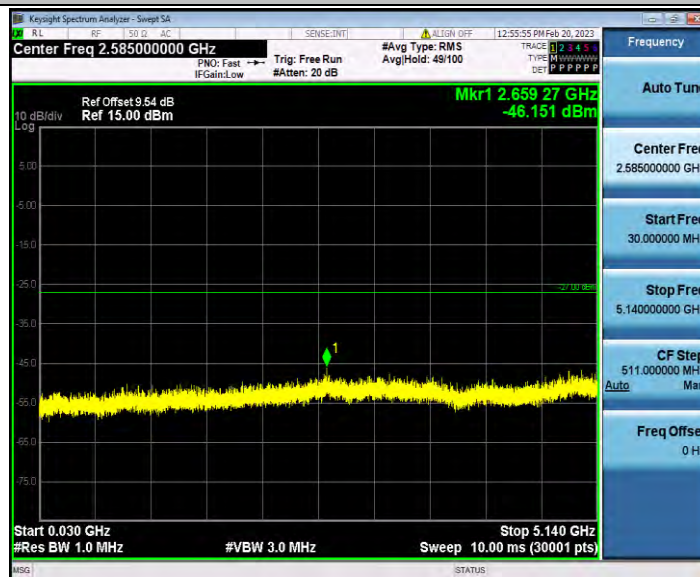
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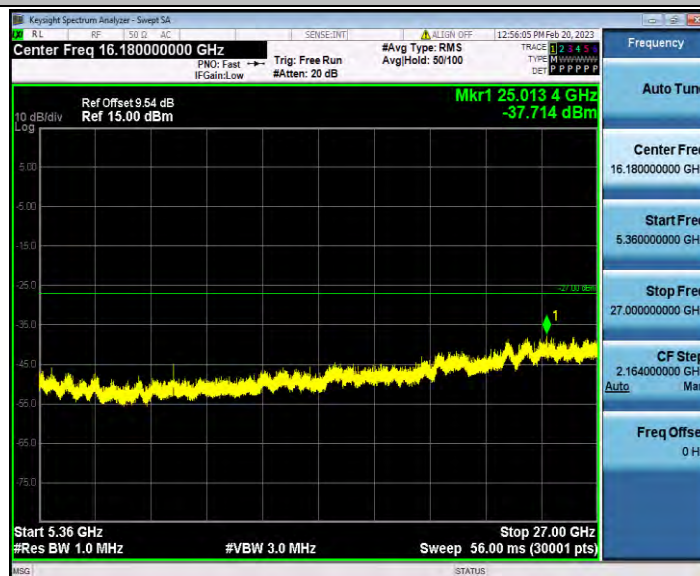
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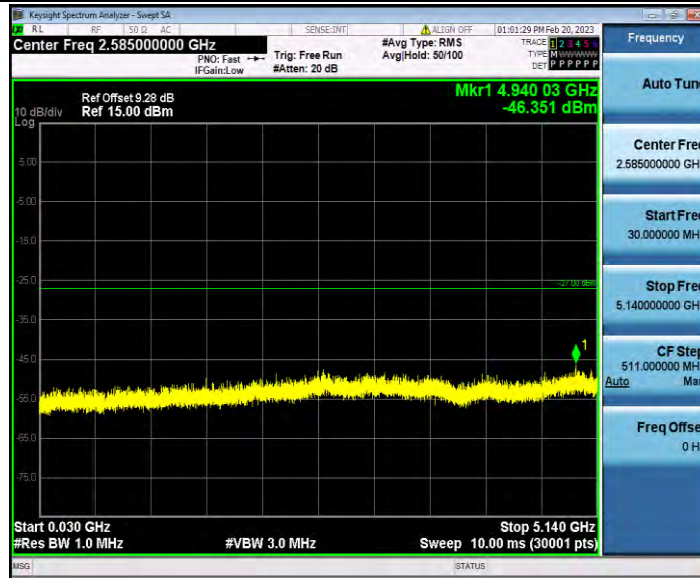
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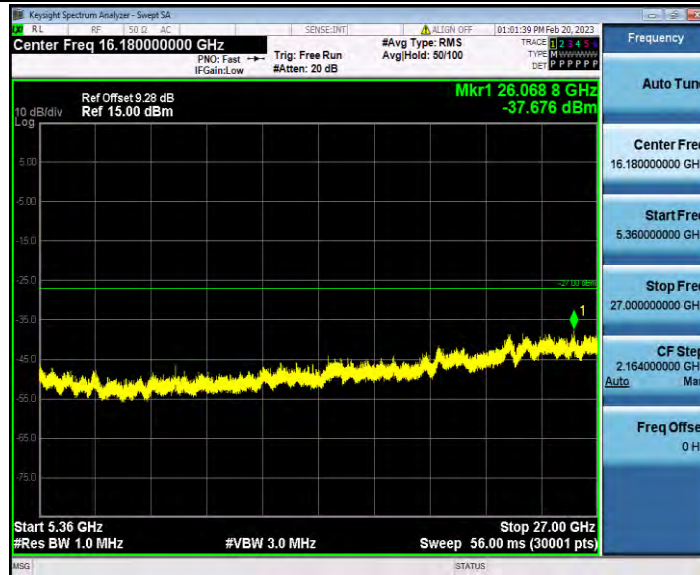
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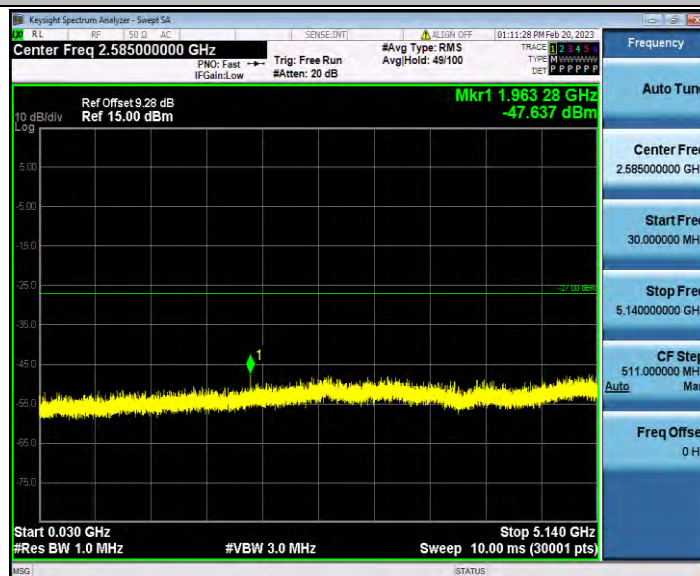
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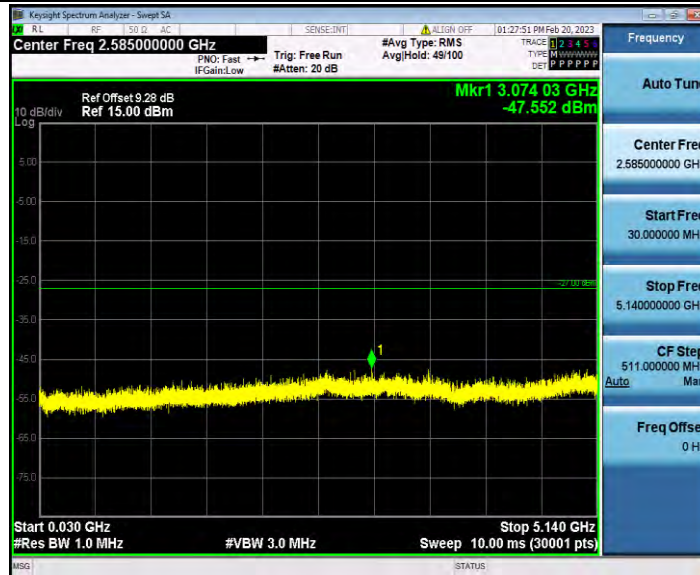
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11AC40SISO_Ant1_5310_5360~40000



11AC80SISO_Ant1_5290_30~5140



11AC80SISO_Ant1_5290_5360~40000

