

Case No. : GTS20221216016-1-14	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2023.1.6	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	23.240	5249.040	5272.280	---	---
		5280	23.160	5270.040	5293.200	---	---
		5320	20.720	5309.880	5330.600	---	---
11N20SISO	Ant1	5260	25.360	5247.400	5272.760	---	---
		5280	22.600	5268.840	5291.440	---	---
		5320	21.440	5309.960	5331.400	---	---
11N40SISO	Ant1	5270	54.960	5249.280	5304.240	---	---
		5310	49.040	5289.280	5338.320	---	---
11AC20SISO	Ant1	5260	22.920	5248.840	5271.760	---	---
		5280	20.120	5270.040	5290.160	---	---
		5320	20.080	5310.040	5330.120	---	---
11AC40SISO	Ant1	5270	40.240	5249.920	5290.160	---	---
		5310	49.600	5289.680	5339.280	---	---
11AC80SISO	Ant1	5290	108.160	5250.000	5358.160	---	---

Test Graphs

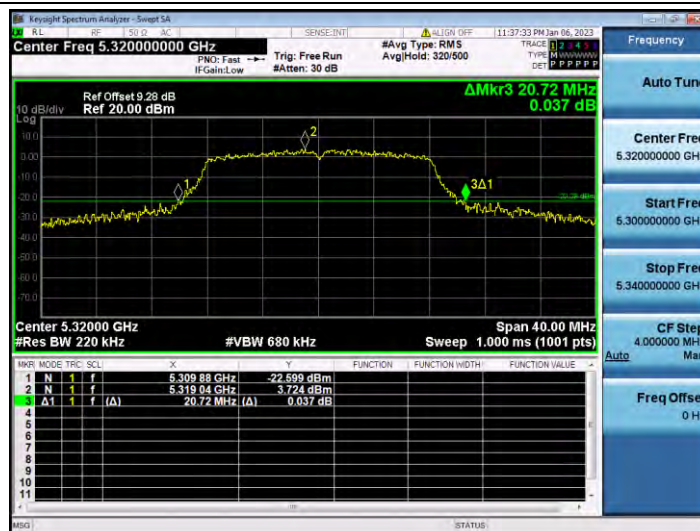
11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320



11N20SISO_Ant1_5260



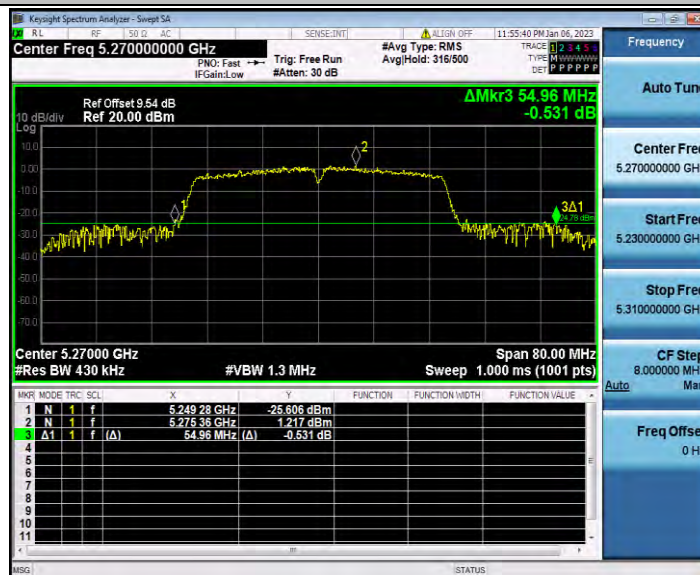
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



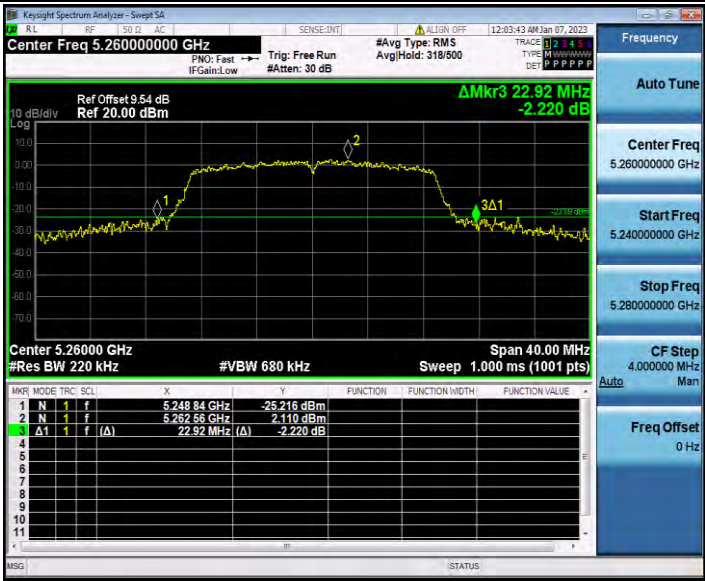
11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



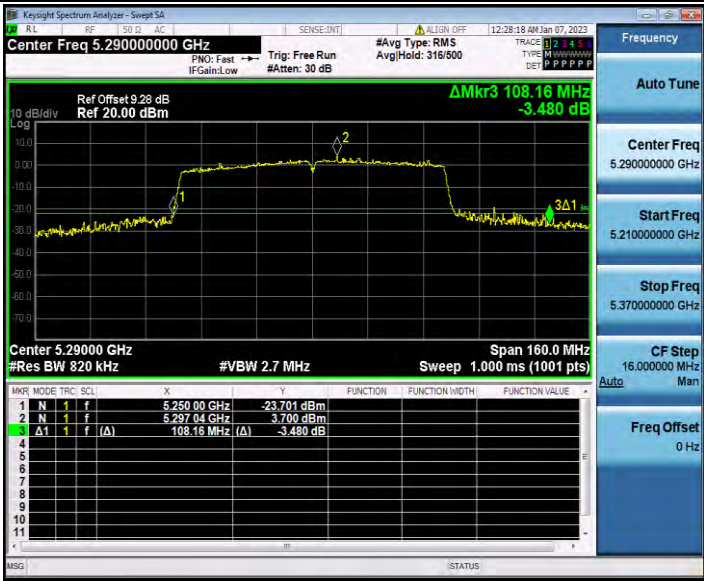
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



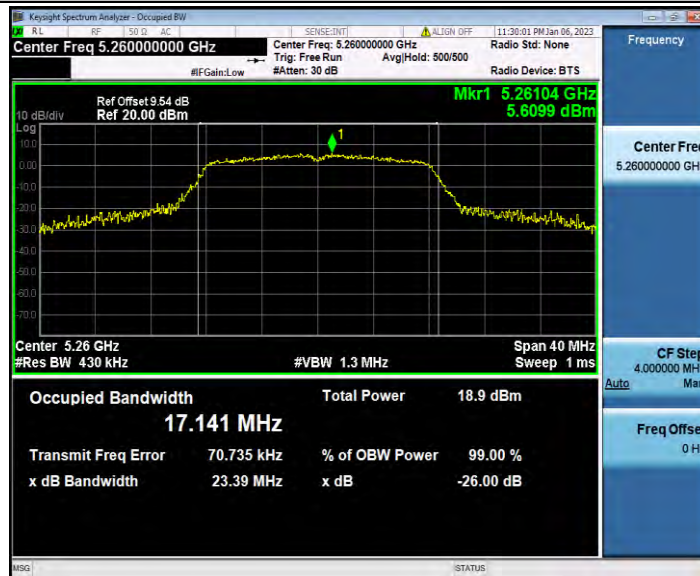
Appendix E.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	17.141	5251.500	5268.641	---	---
		5280	17.080	5271.556	5288.636	---	---
		5320	17.044	5311.580	5328.624	---	---
11N20SISO	Ant1	5260	18.112	5250.998	5269.110	---	---
		5280	18.085	5271.036	5289.121	---	---
		5320	18.093	5311.041	5329.134	---	---
11N40SISO	Ant1	5270	36.716	5251.771	5288.487	---	---
		5310	36.741	5291.946	5328.687	---	---
11AC20SISO	Ant1	5260	18.011	5251.069	5269.080	---	---
		5280	17.947	5271.104	5289.051	---	---
		5320	17.903	5311.161	5329.064	---	---
11AC40SISO	Ant1	5270	36.575	5251.874	5288.449	---	---
		5310	36.415	5292.001	5328.416	---	---
11AC80SISO	Ant1	5290	75.687	5252.565	5328.252	---	---

Test Graphs

11A_Ant1_5260



11A_Ant1_5280



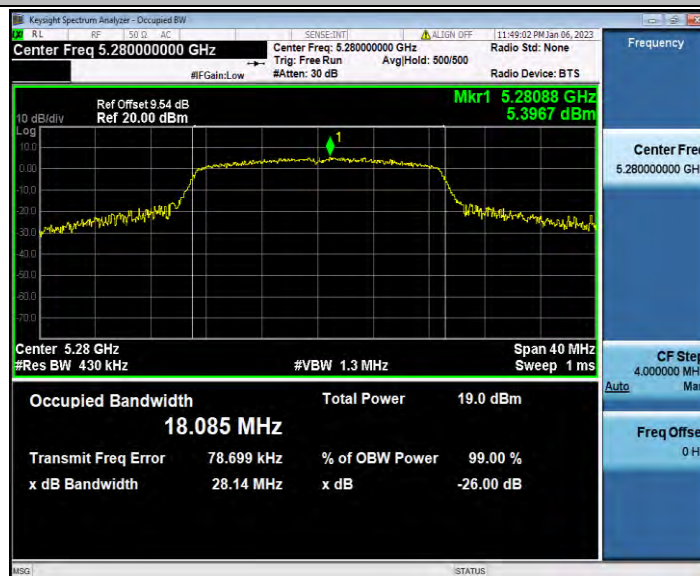
11A_Ant1_5320



11N20SISO_Ant1_5260



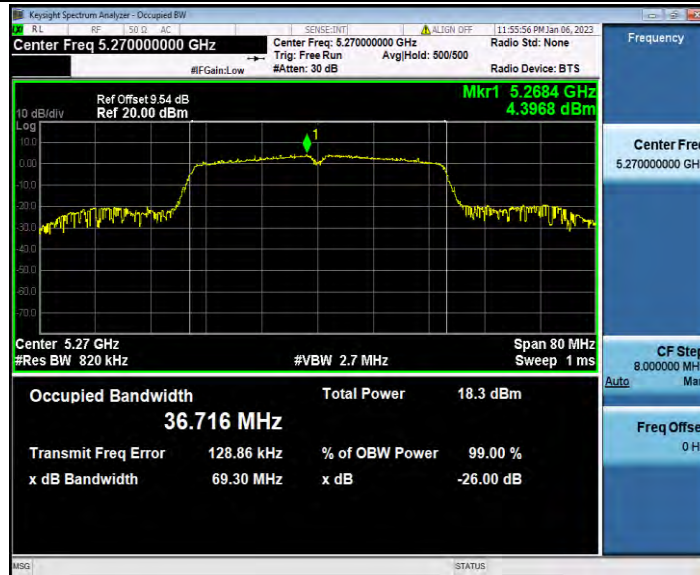
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



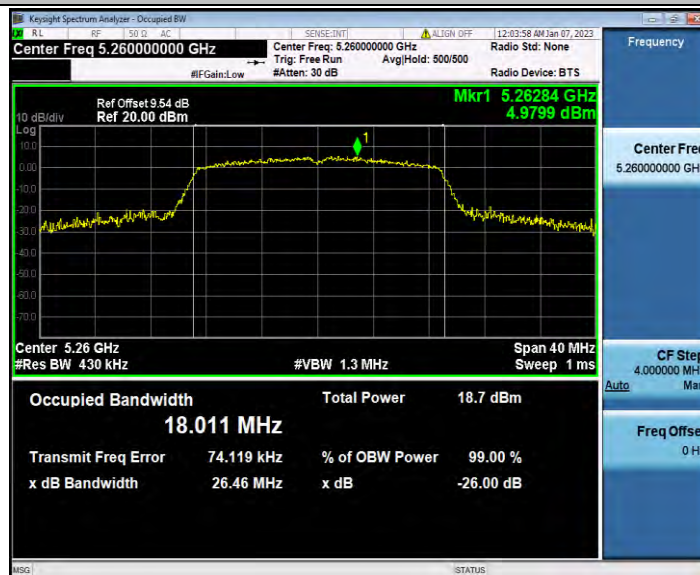
11N40SISO_Ant1_5270



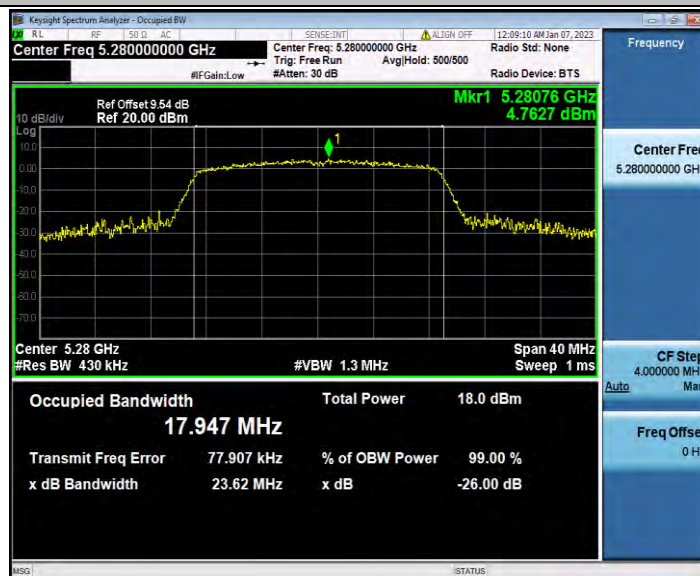
11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



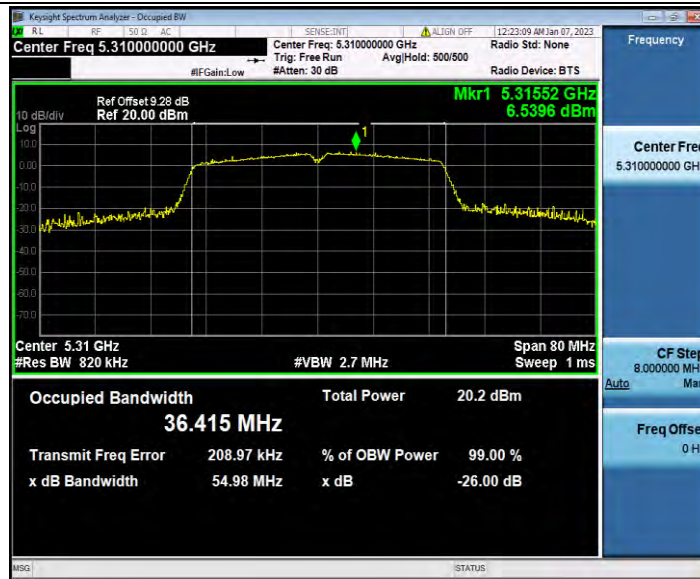
11AC20SISO_Ant1_5320



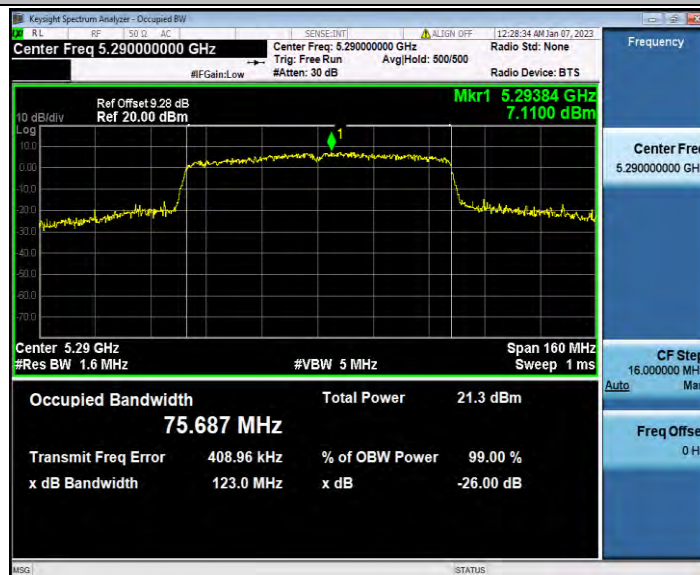
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



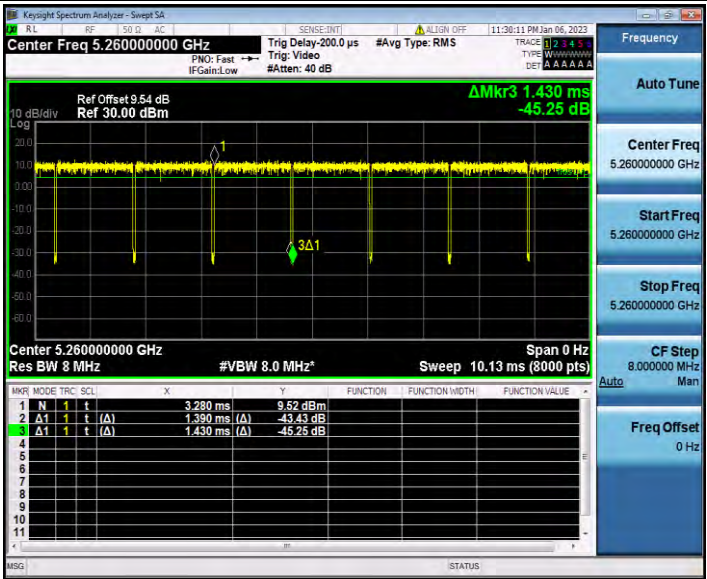
Appendix E.3: Duty Cycle

Test Result

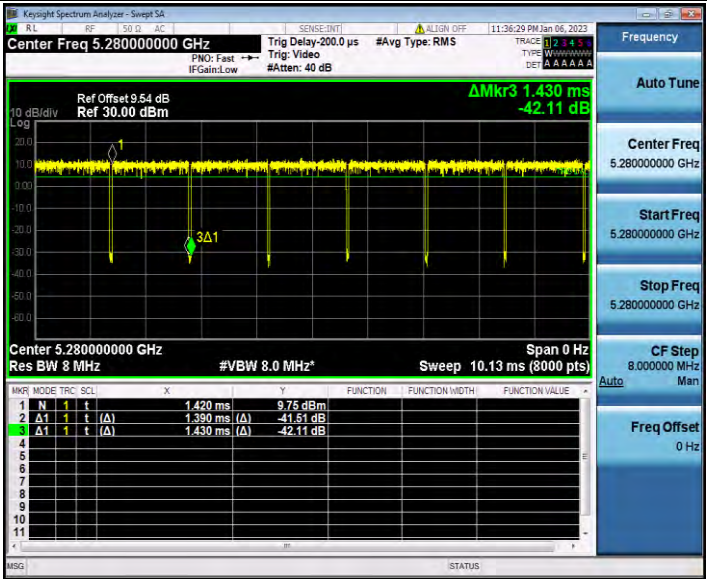
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5260	1.39	1.43	97.20
		5280	1.39	1.43	97.20
		5320	1.39	1.44	96.53
11N20SISO	Ant1	5260	1.30	1.34	97.01
		5280	1.30	1.35	96.30
		5320	1.30	1.34	97.01
11N40SISO	Ant1	5270	0.64	0.69	92.75
		5310	0.65	0.70	92.86
11AC20SISO	Ant1	5260	1.31	1.36	96.32
		5280	1.31	1.36	96.32
		5320	1.31	1.35	97.04
11AC40SISO	Ant1	5270	0.65	0.70	92.86
		5310	0.65	0.70	92.86
11AC80SISO	Ant1	5290	0.32	0.37	86.49

Test Graphs

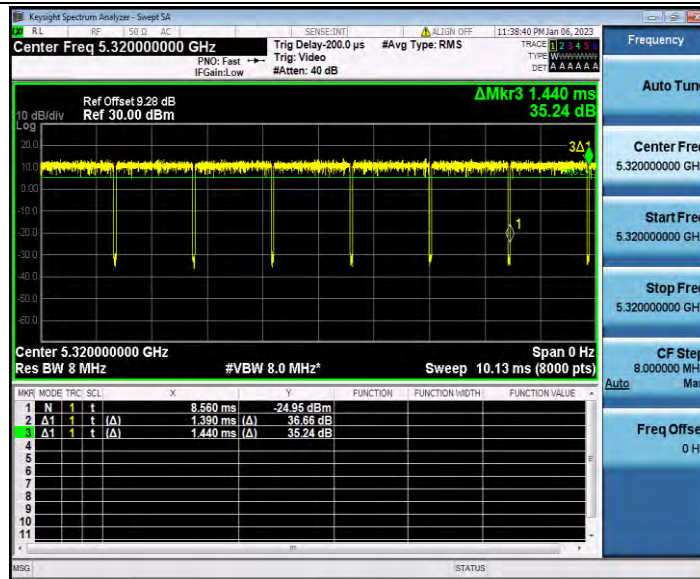
11A_Ant1_5260



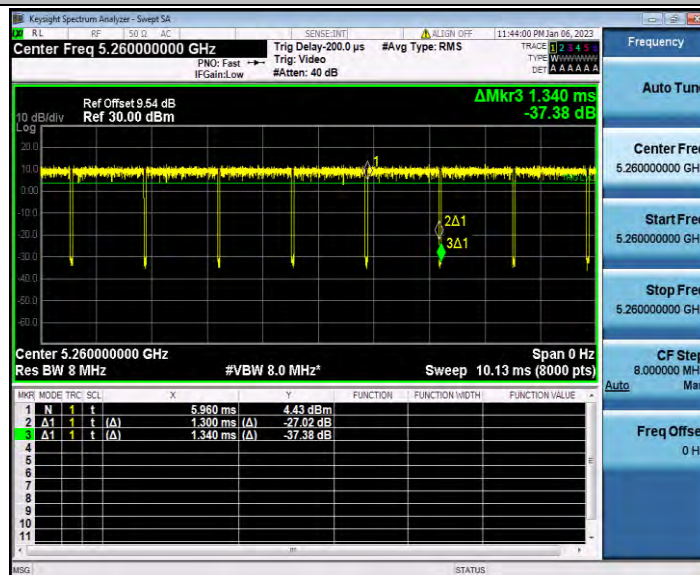
11A_Ant1_5280



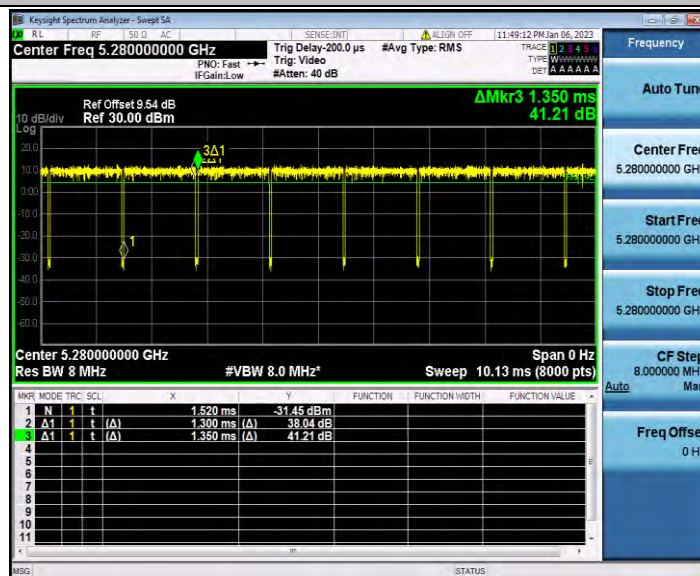
11A_Ant1_5320



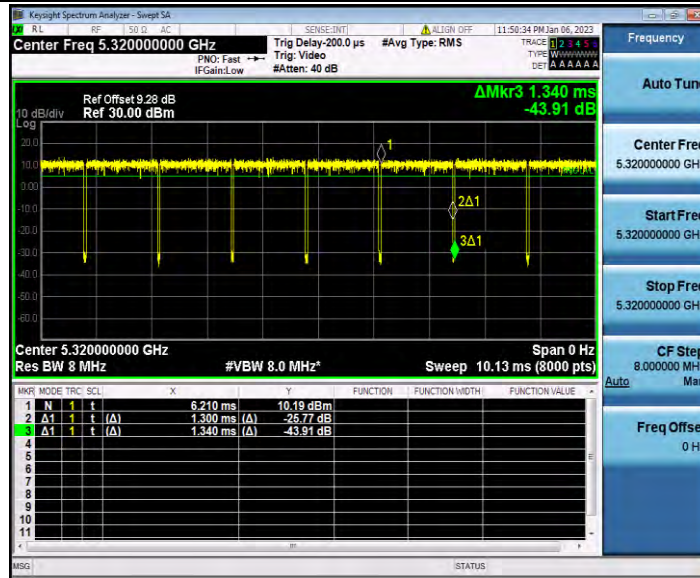
11N20SISO_Ant1_5260



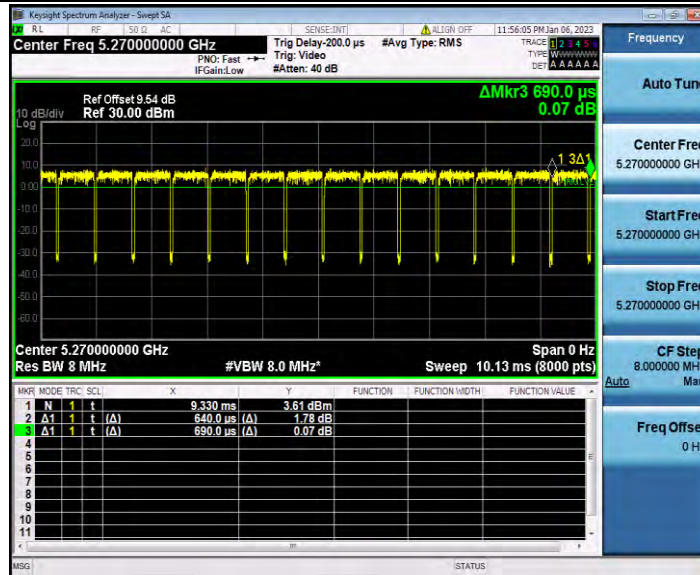
11N20SISO_Ant1_5280



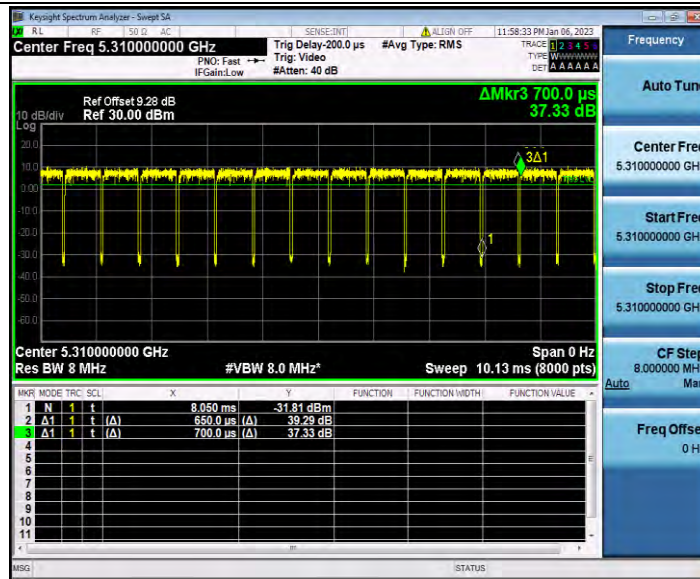
11N20SISO_Ant1_5320



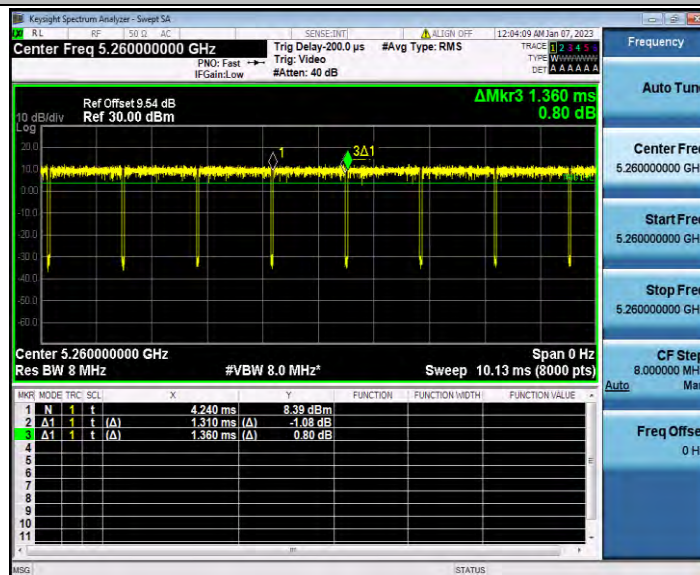
11N40SISO_Ant1_5270



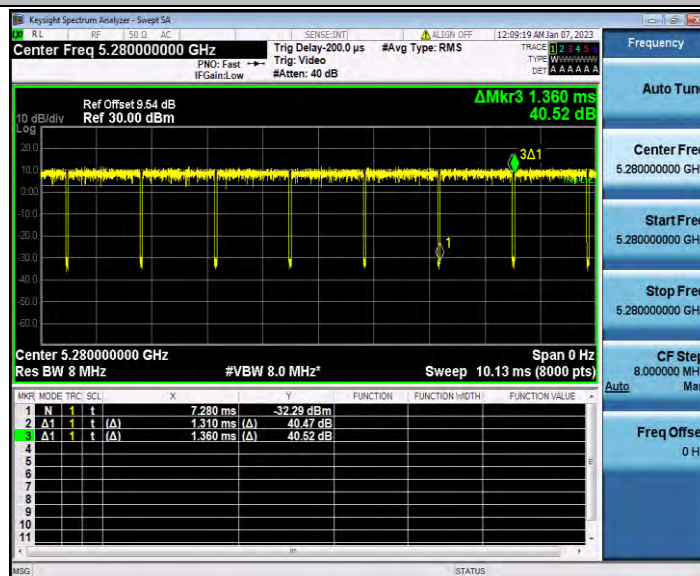
11N40SISO_Ant1_5310



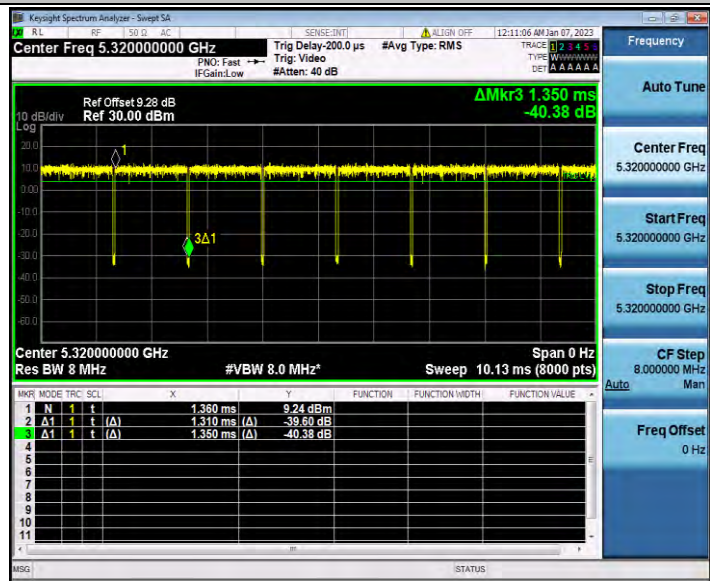
11AC20SISO_Ant1_5260



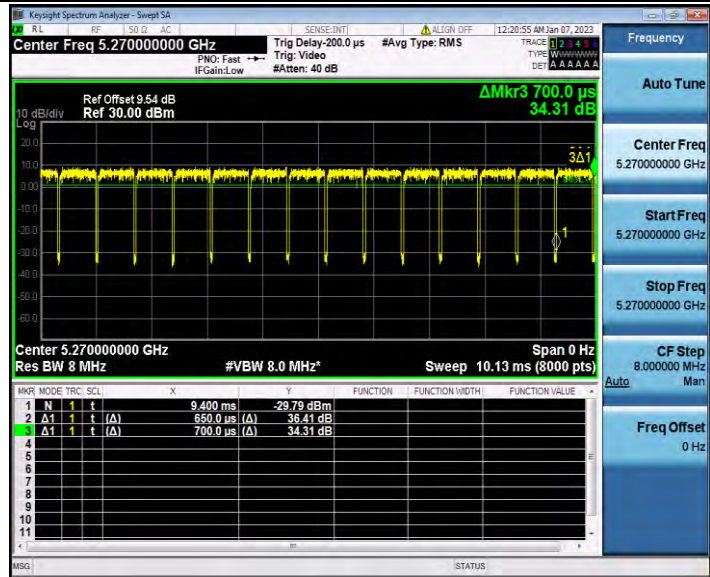
11AC20SISO_Ant1_5280



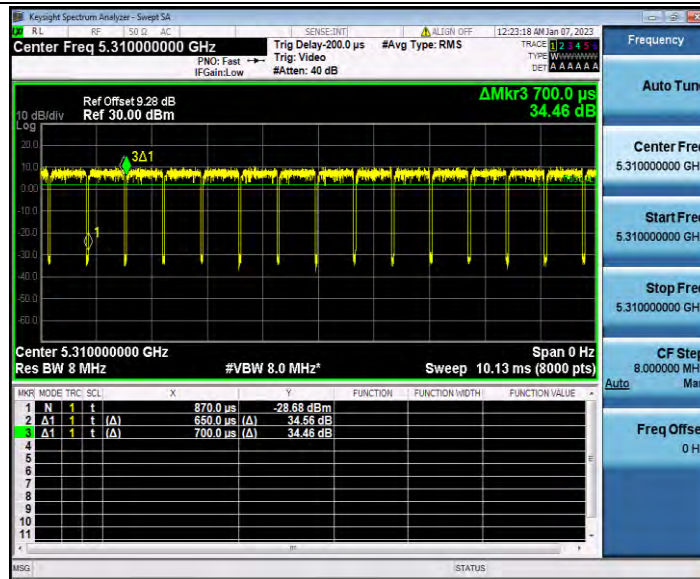
11AC20SISO_Ant1_5320



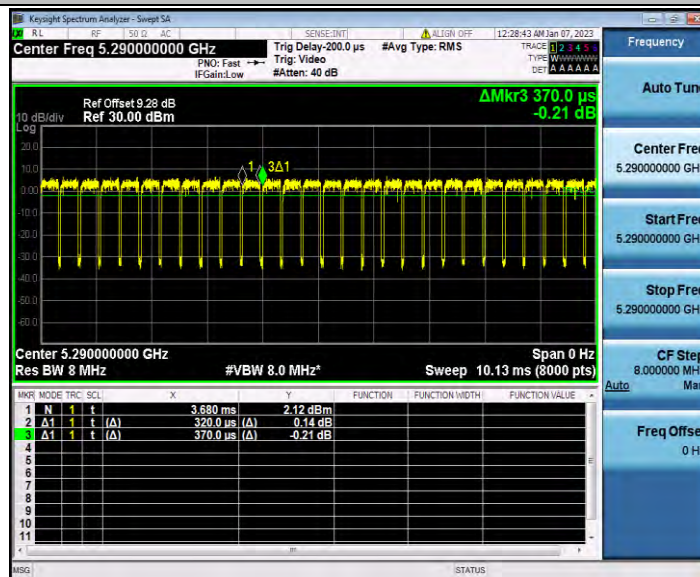
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



Appendix E.4: Maximum 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	11.96	97.20	0.12	12.08	≤23.98	PASS
		5280	12.11	97.20	0.12	12.23	≤23.98	PASS
		5320	13.10	96.53	0.15	13.25	≤23.98	PASS
11N20SISO	Ant1	5260	11.71	97.01	0.13	11.84	≤23.98	PASS
		5280	12.15	96.30	0.16	12.31	≤23.98	PASS
		5320	12.92	97.01	0.13	13.05	≤23.98	PASS
11N40SISO	Ant1	5270	10.72	92.75	0.33	11.05	≤23.98	PASS
		5310	12.55	92.86	0.32	12.87	≤23.98	PASS
11AC20SISO	Ant1	5260	11.91	96.32	0.16	12.07	≤23.98	PASS
		5280	11.07	96.32	0.16	11.23	≤23.98	PASS
		5320	11.95	97.04	0.13	12.08	≤23.98	PASS
11AC40SISO	Ant1	5270	11.73	92.86	0.32	12.05	≤23.98	PASS
		5310	12.54	92.86	0.32	12.86	≤23.98	PASS
11AC80SISO	Ant1	5290	11.81	86.49	0.63	12.44	≤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	1.53	≤11.00	PASS
		5280	1.89	≤11.00	PASS
		5320	2.8	≤11.00	PASS
11N20SISO	Ant1	5260	1.11	≤11.00	PASS
		5280	1.63	≤11.00	PASS
		5320	2.42	≤11.00	PASS
11N40SISO	Ant1	5270	-2.45	≤11.00	PASS
		5310	-0.53	≤11.00	PASS
11AC20SISO	Ant1	5260	1.4	≤11.00	PASS
		5280	0.57	≤11.00	PASS
		5320	1.48	≤11.00	PASS
11AC40SISO	Ant1	5270	-1.28	≤11.00	PASS
		5310	-0.53	≤11.00	PASS
11AC80SISO	Ant1	5290	-4.37	≤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



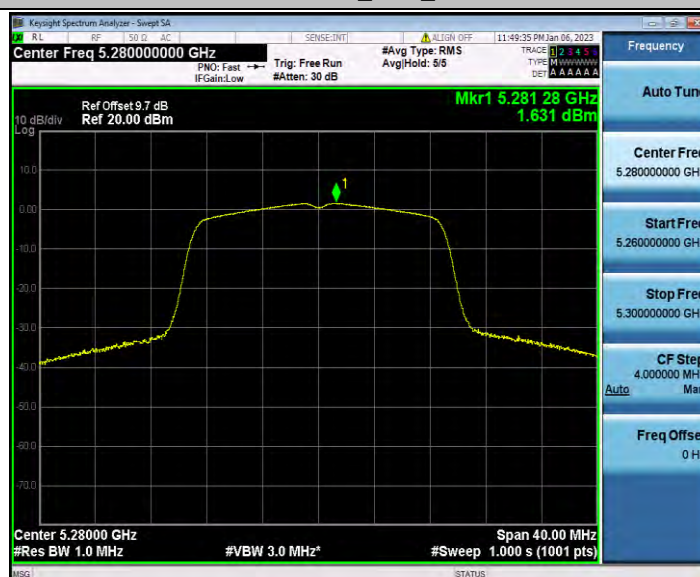
11A_Ant1_5320



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



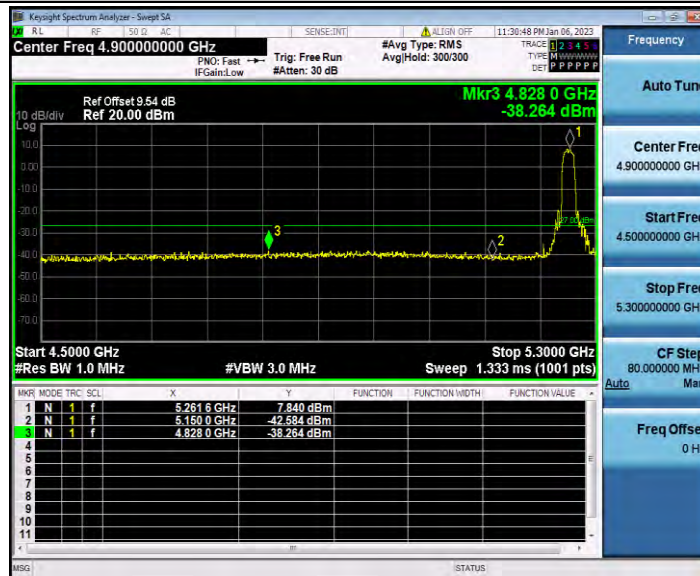
Appendix E.6: Band edge measurements

Test Result B2

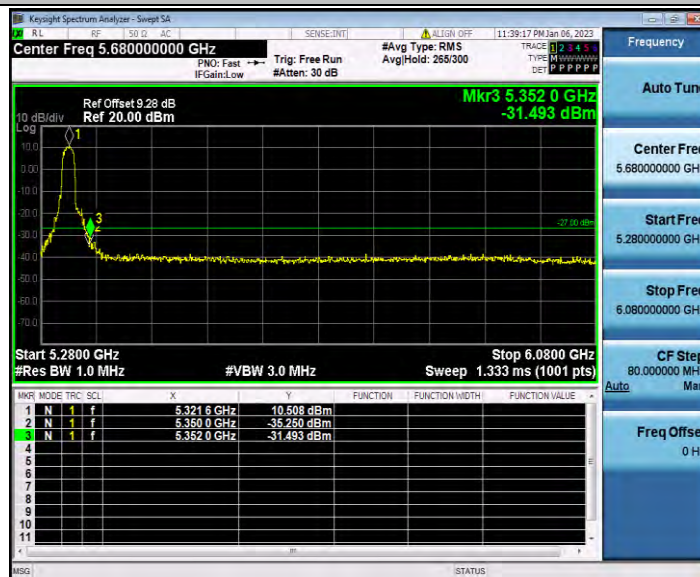
TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5260	-38.26	≤-27	PASS
		High	5320	-31.49	≤-27	PASS
11N20SISO	Ant1	Low	5260	-38.11	≤-27	PASS
		High	5320	-29.61	≤-27	PASS
11N40SISO	Ant1	Low	5270	-37.48	≤-27	PASS
		High	5310	-35.78	≤-27	PASS
11AC20SISO	Ant1	Low	5260	-36.83	≤-27	PASS
		High	5320	-33.86	≤-27	PASS
11AC40SISO	Ant1	Low	5270	-37.29	≤-27	PASS
		High	5310	-29.32	≤-27	PASS
11AC80SISO	Ant1	Low	5290	-37.74	≤-27	PASS
		High	5290	-33.05	≤-27	PASS

Test Graphs B2

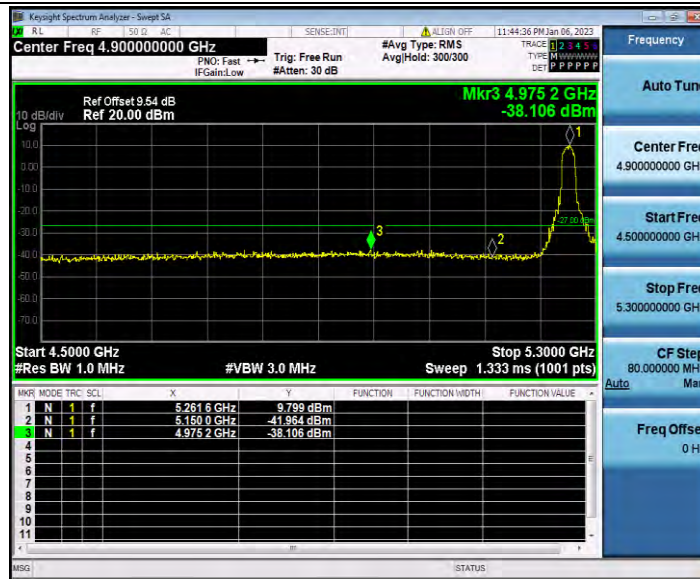
11A_Ant1_Low_5260



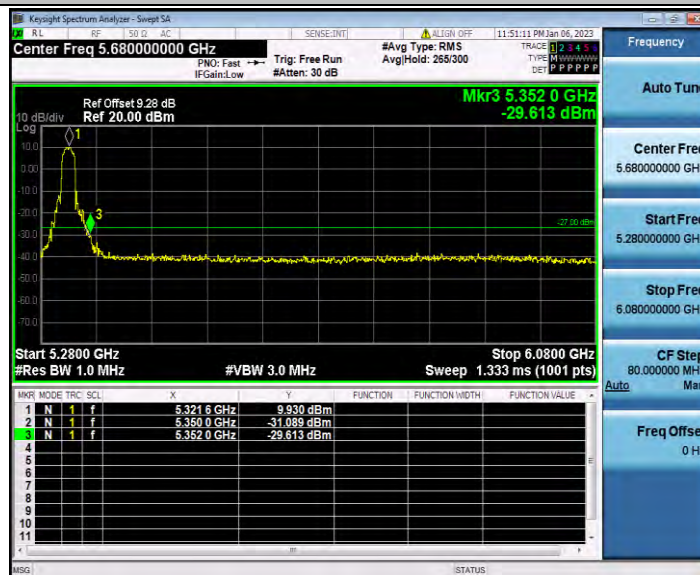
11A_Ant1_High_5320



11N20SISO_Ant1_Low_5260



11N20SISO_Ant1_High_5320



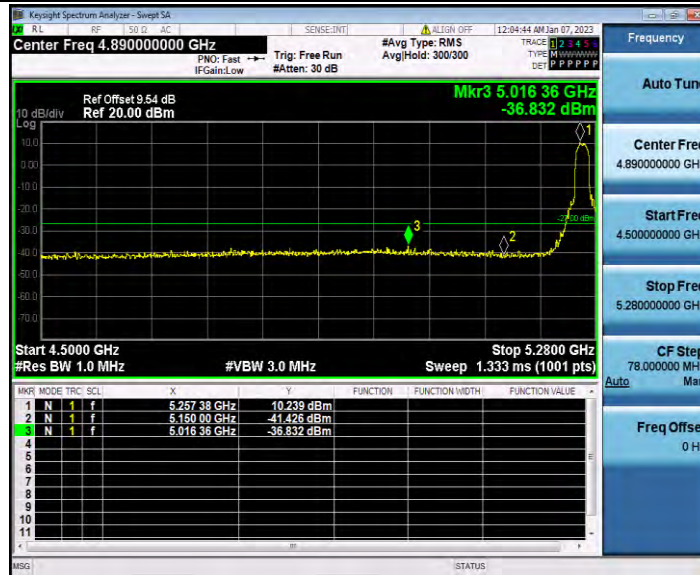
11N40SISO_Ant1_Low_5270



11N40SISO_Ant1_High_5310



11AC20SISO_Ant1_Low_5260



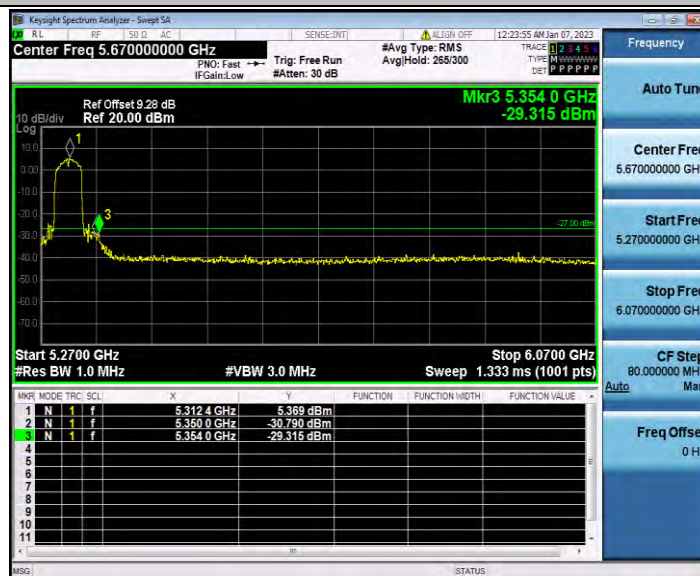
11AC20SISO_Ant1_High_5320



11AC40SISO_Ant1_Low_5270



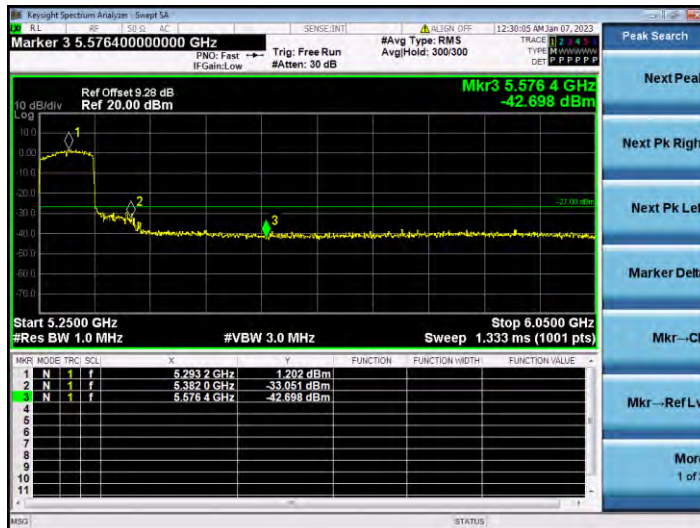
11AC40SISO_Ant1_High_5310



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	4935.26	-47.58	≤-27	PASS
			5360~40000	26055.05	-38.17	≤-27	PASS
		5280	30~5140	3195.99	-46.92	≤-27	PASS
			5360~40000	24244.51	-38.1	≤-27	PASS
		5320	30~5140	3189.34	-47.3	≤-27	PASS
			5360~40000	5365.77	-38	≤-27	PASS
11N20SISO	Ant1	5260	30~5140	3175.38	-46.83	≤-27	PASS
			5360~40000	23536.16	-38.08	≤-27	PASS
		5280	30~5140	1748.66	-45.89	≤-27	PASS
			5360~40000	24252.44	-38.5	≤-27	PASS
		5320	30~5140	4895.4	-47.53	≤-27	PASS
			5360~40000	5364.33	-37.63	≤-27	PASS
11N40SISO	Ant1	5270	30~5140	2757.55	-46.75	≤-27	PASS
			5360~40000	24278.41	-36.64	≤-27	PASS
		5310	30~5140	2704.91	-47.4	≤-27	PASS
			5360~40000	5362.89	-28.54	≤-27	PASS
11AC20SISO	Ant1	5260	30~5140	1745.94	-46.16	≤-27	PASS
			5360~40000	26468.38	-37.36	≤-27	PASS
		5280	30~5140	1747.13	-46.35	≤-27	PASS
			5360~40000	26532.58	-37.4	≤-27	PASS
11AC40SISO	Ant1	5270	30~5140	2745.97	-47.29	≤-27	PASS
			5360~40000	25638.84	-37.82	≤-27	PASS
		5310	30~5140	2676.3	-46.05	≤-27	PASS
			5360~40000	5360	-35.91	≤-27	PASS
11AC80SISO	Ant1	5290	30~5140	3135.69	-46.91	≤-27	PASS
			5360~40000	5384.53	-31.1	≤-27	PASS

Test Graphs

11A_Ant1_5260_30~5140



11A_Ant1_5260_5360~40000



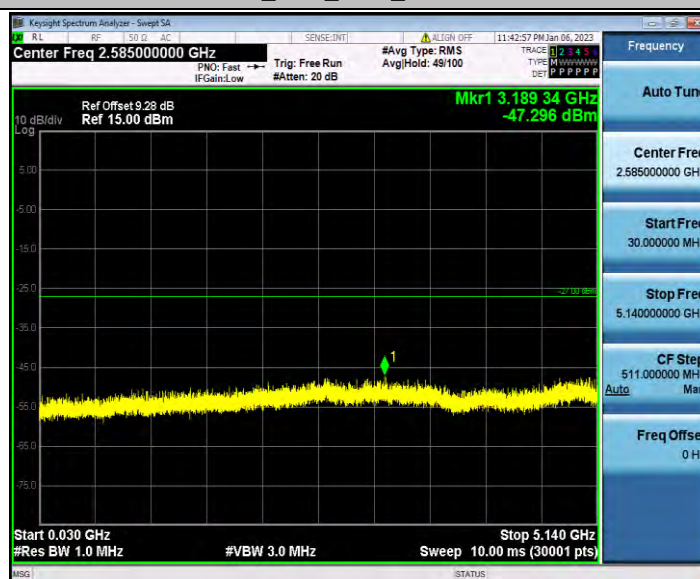
11A_Ant1_5280_30~5140



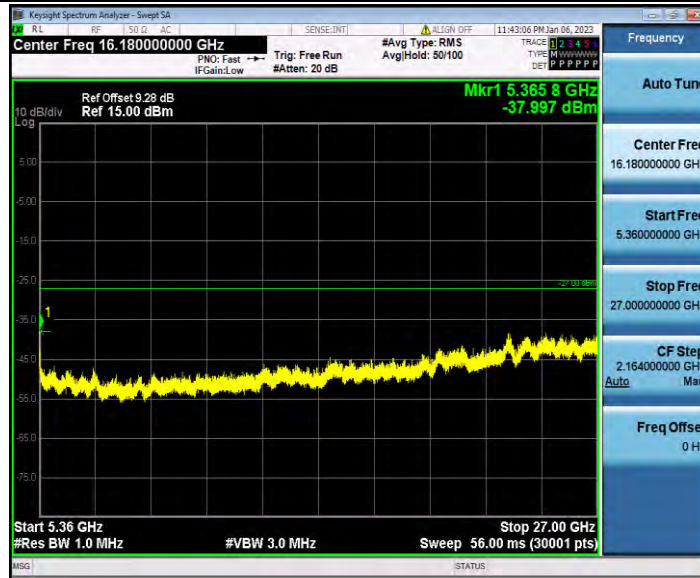
11A_Ant1_5280_5360~40000



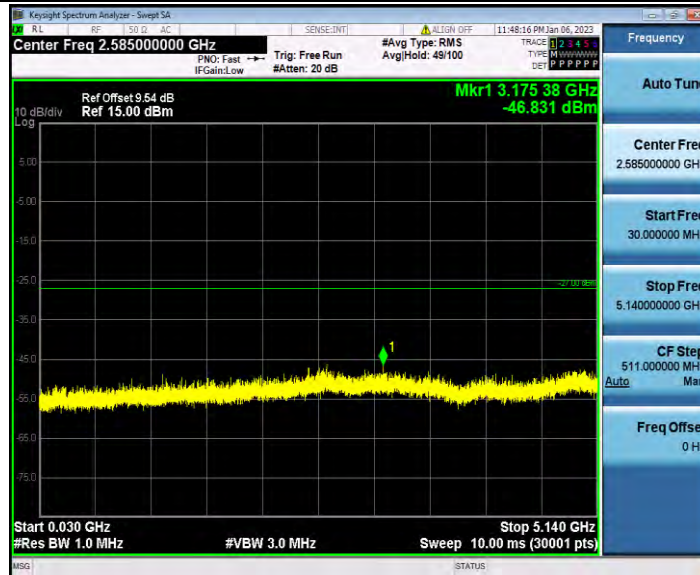
11A_Ant1_5320_30~5140



11A_Ant1_5320_5360~40000



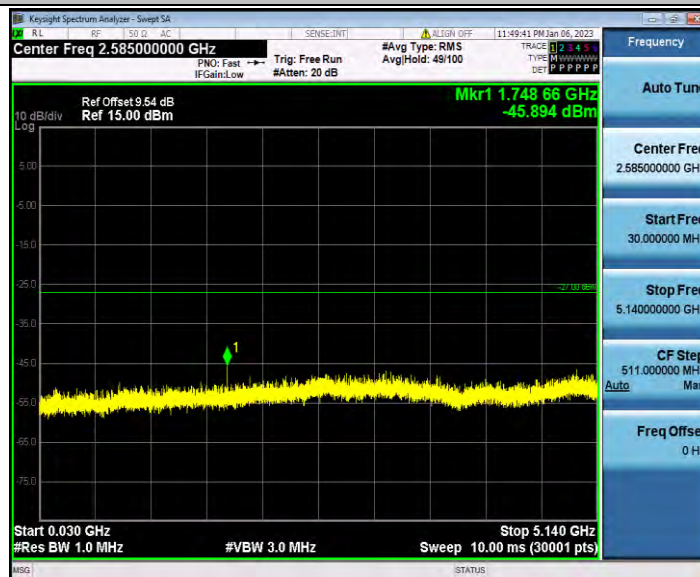
11N20SISO_Ant1_5260_30~5140



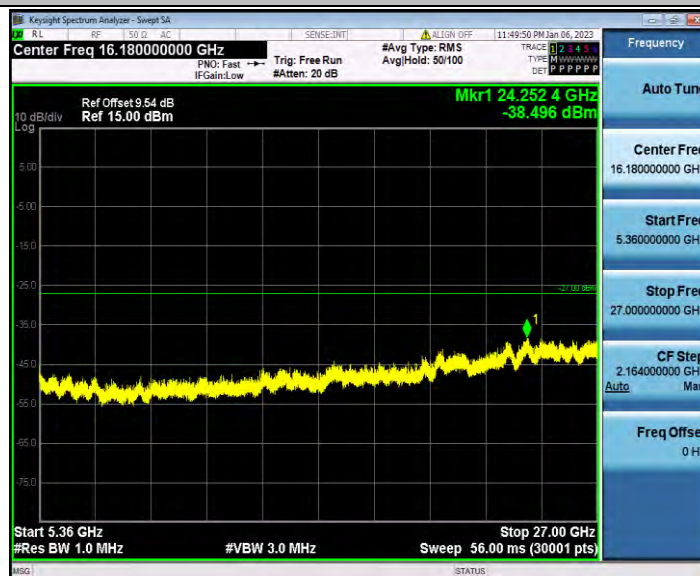
11N20SISO_Ant1_5260_5360~40000



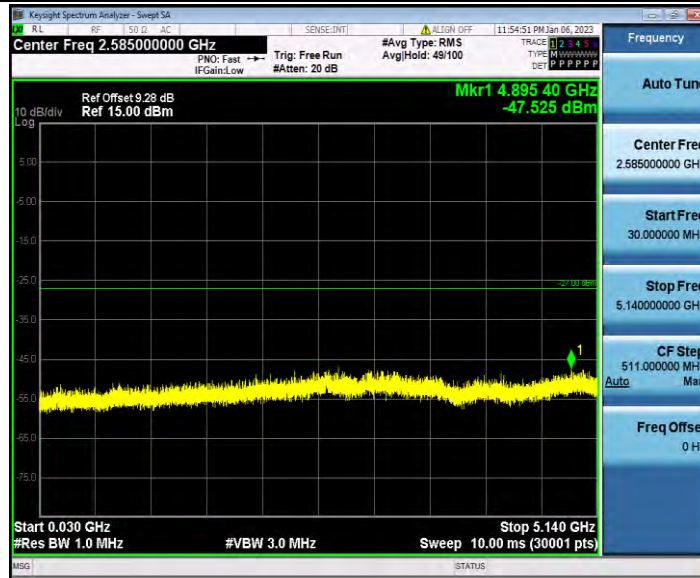
11N20SISO_Ant1_5280_30~5140



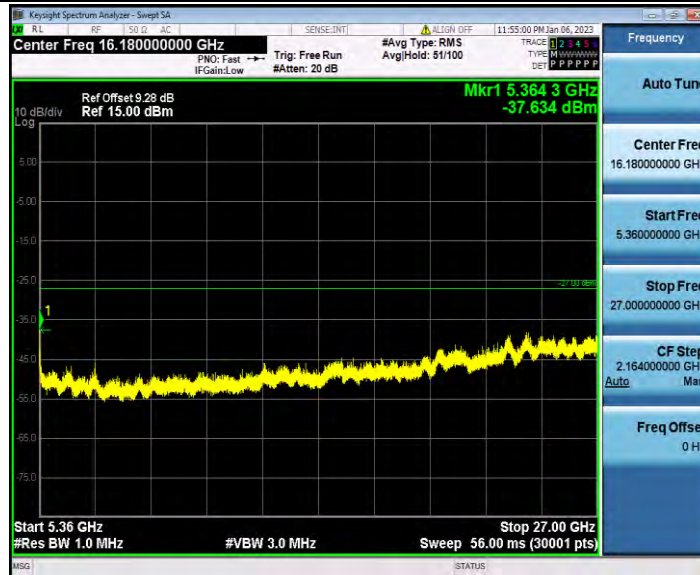
11N20SISO_Ant1_5280_5360~40000



11N20SISO_Ant1_5320_30~5140



11N20SISO_Ant1_5320_5360~40000



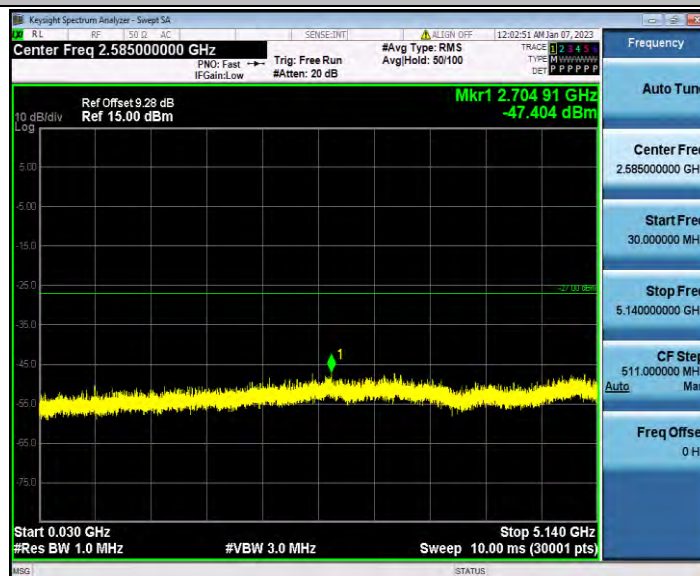
11N40SISO_Ant1_5270_30~5140



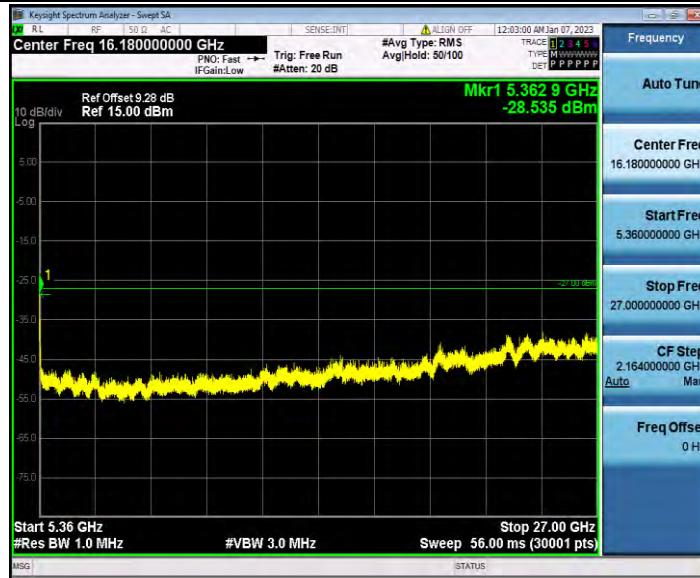
11N40SISO_Ant1_5270_5360~40000



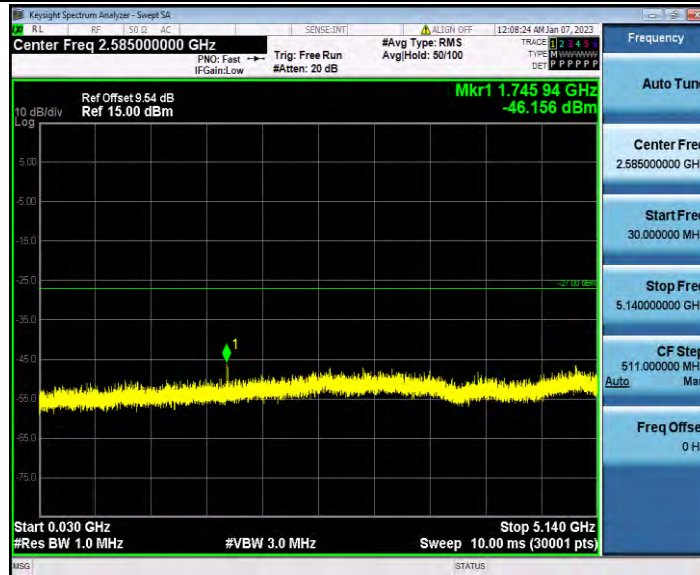
11N40SISO_Ant1_5310_30~5140



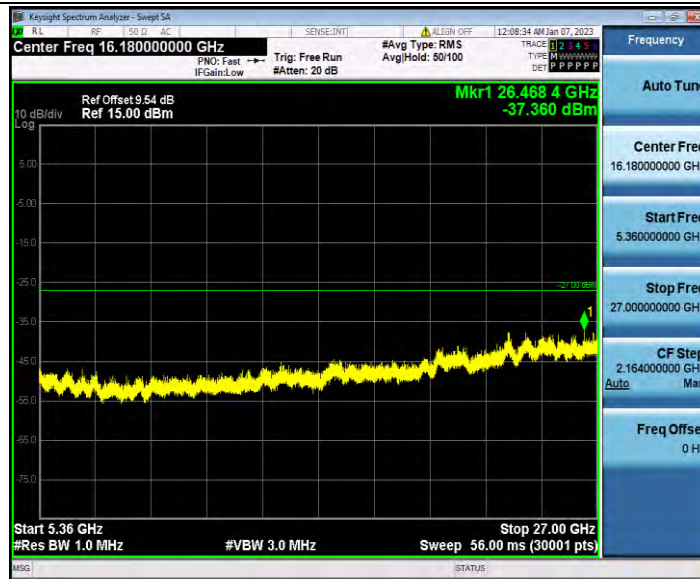
11N40SISO_Ant1_5310_5360~40000



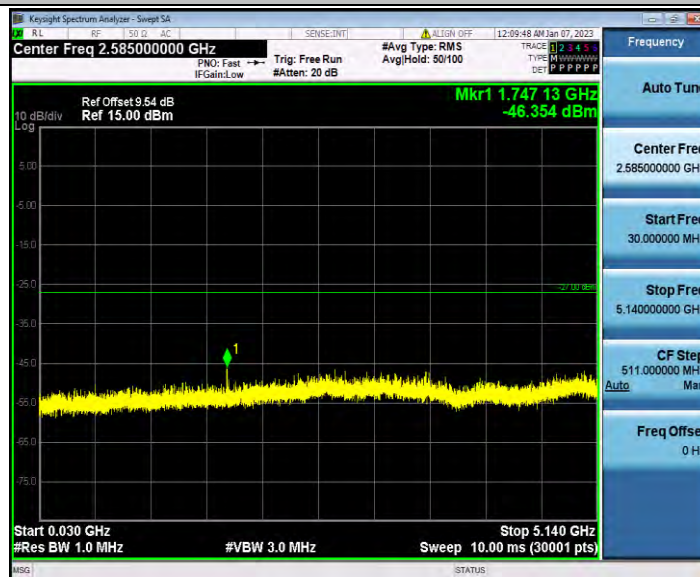
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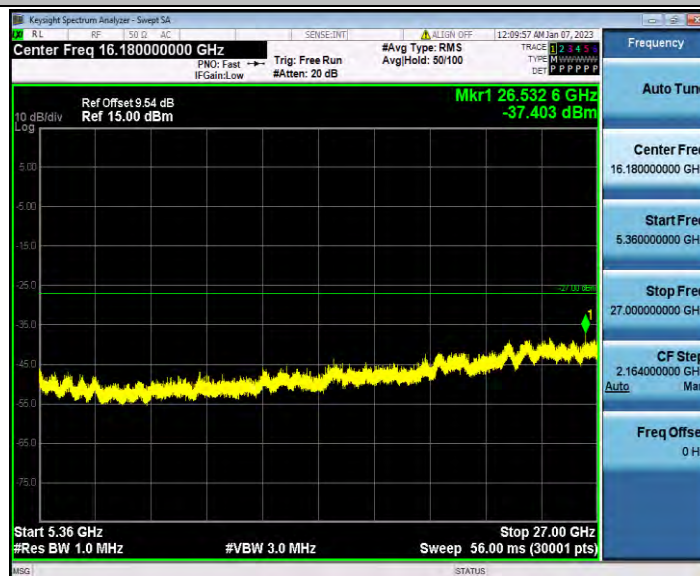
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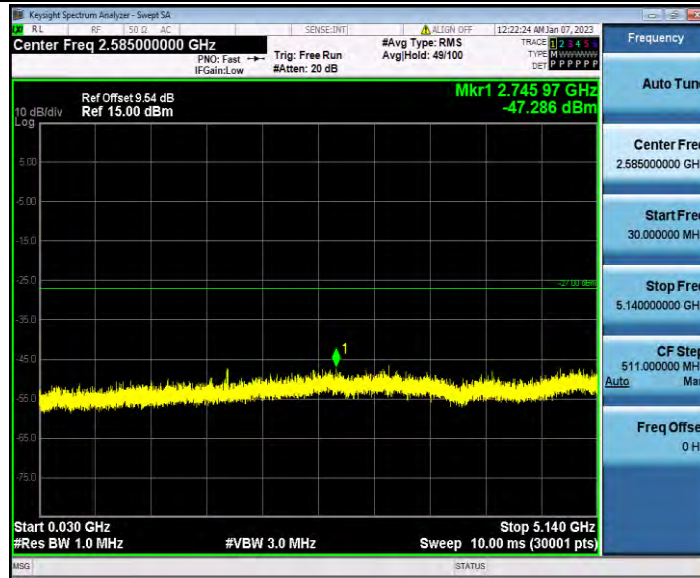
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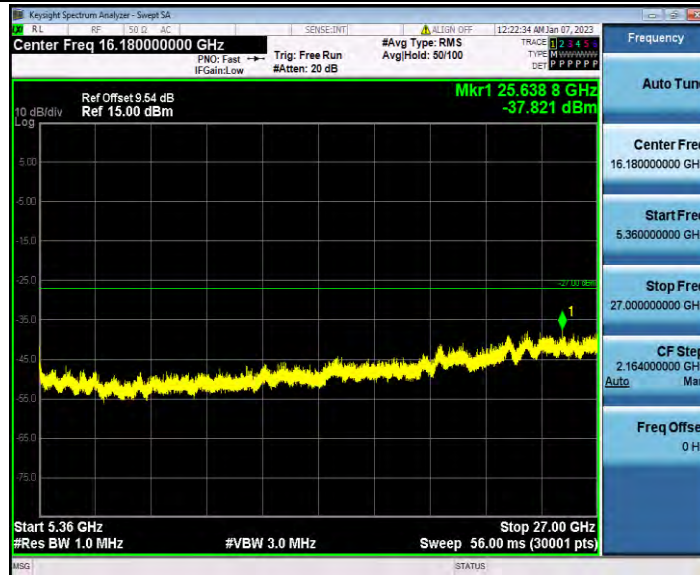
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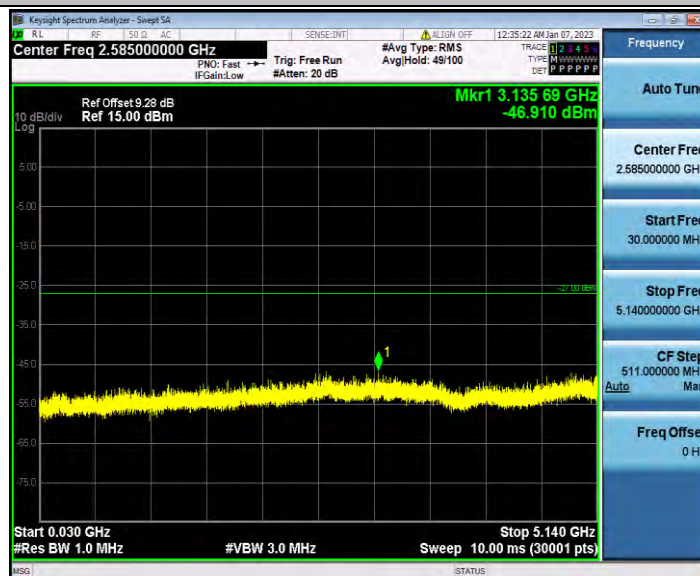
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11AC40SISO_Ant1_5310_5360~40000



11AC80SISO_Ant1_5290_30~5140



11AC80SISO_Ant1_5290_5360~40000

