

Case No. : <u>GTS20221202017-1-9</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.12.26</u>	Test Engineer: <u>Jenny zeng</u>

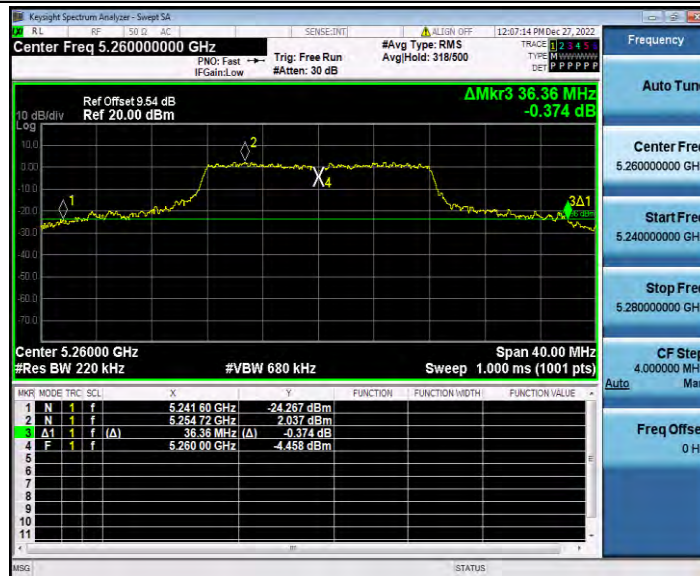
Appendix C.1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	36.360	5241.600	5277.960	---	---
		5280	26.320	5267.480	5293.800	---	---
		5320	27.360	5307.760	5335.120	---	---
11N20SISO	Ant1	5260	31.640	5243.200	5274.840	---	---
		5280	29.280	5265.560	5294.840	---	---
		5320	28.880	5306.880	5335.760	---	---
11N40SISO	Ant1	5270	72.560	5233.840	5306.400	---	---
		5310	65.040	5281.200	5346.240	---	---
11AC20SISO	Ant1	5260	28.640	5246.200	5274.840	---	---
		5280	28.720	5266.160	5294.880	---	---
		5320	22.280	5308.880	5331.160	---	---
11AC40SISO	Ant1	5270	52.800	5240.960	5293.760	---	---
		5310	55.520	5281.280	5336.800	---	---
11AC80SISO	Ant1	5290	105.440	5247.600	5353.040	---	---

Test Graphs

11A_Ant1_5260



11A_Ant1_5280



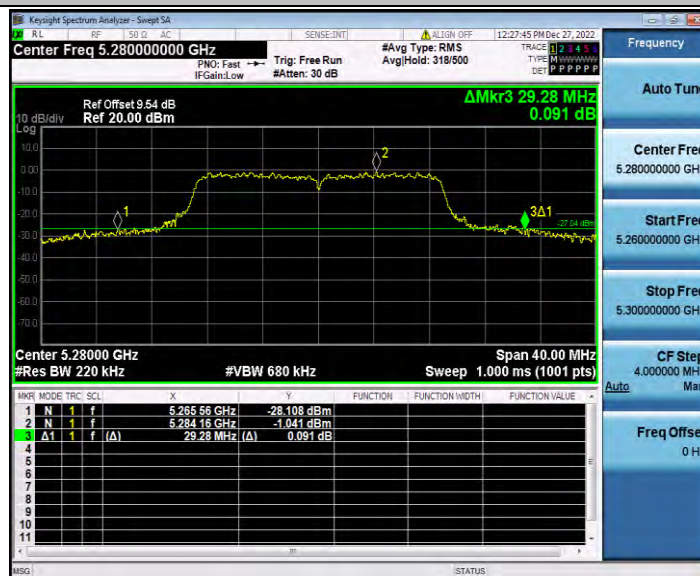
11A_Ant1_5320



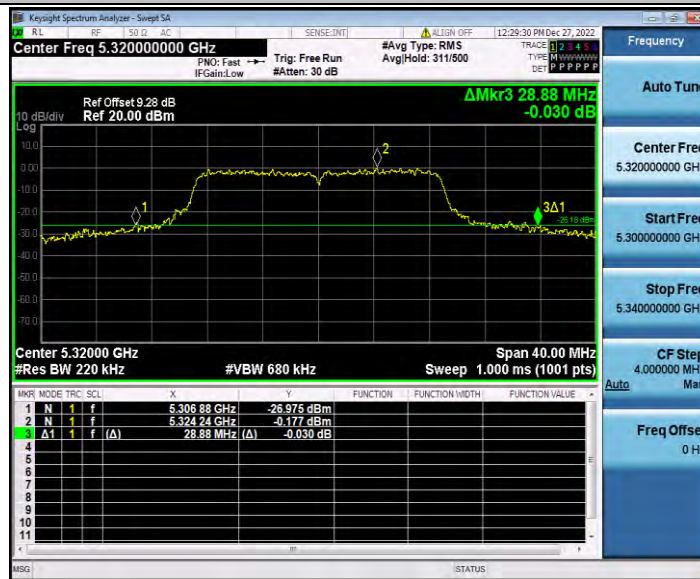
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



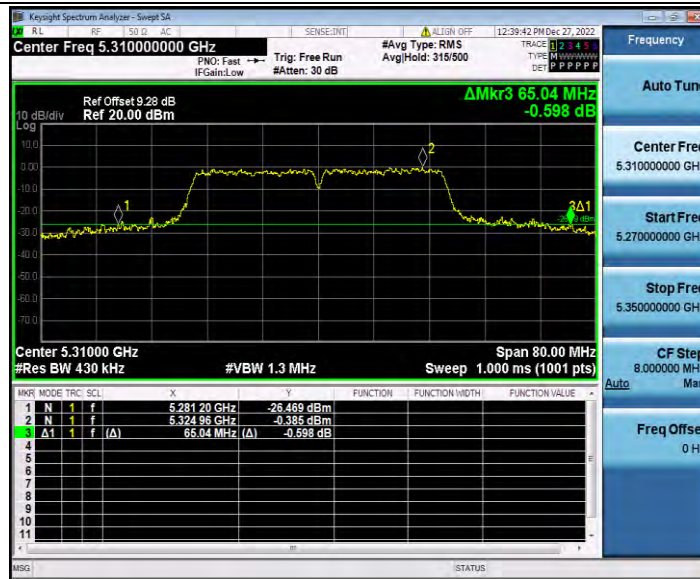
11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



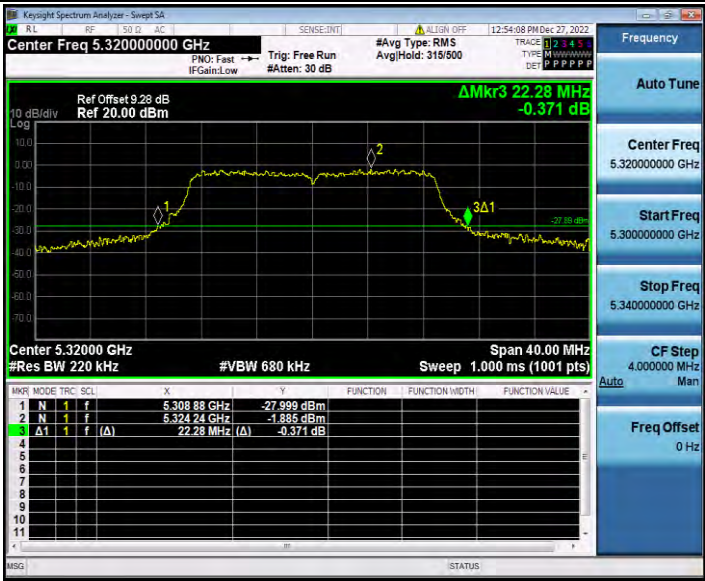
11AC20SISO_Ant1_5260



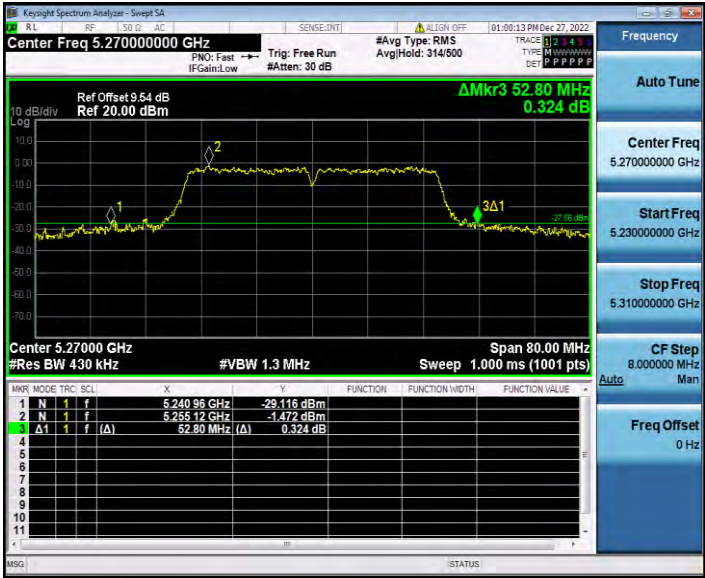
11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



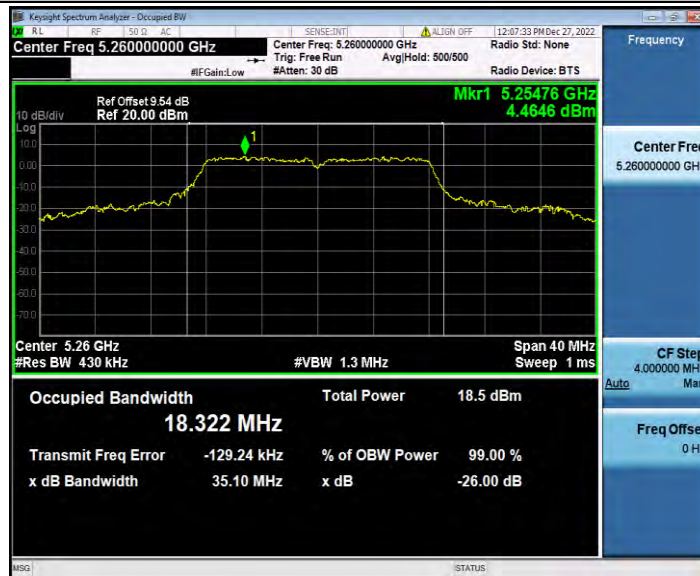
Appendix C.2: Occupied channel bandwidth

Test Result

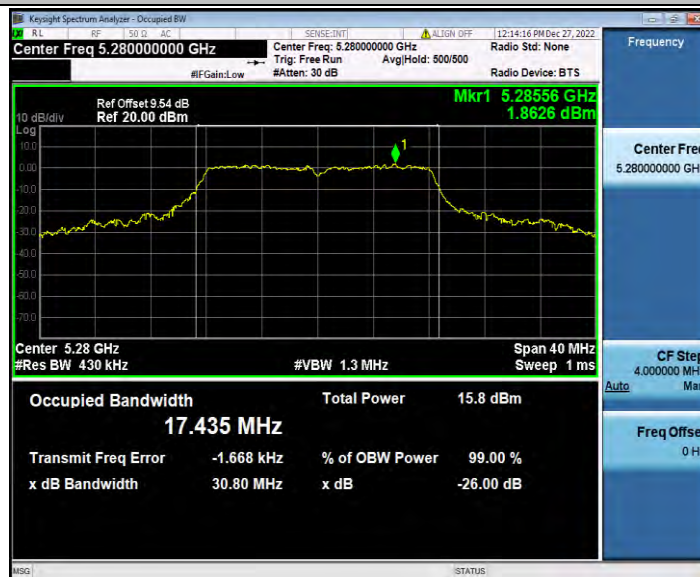
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	18.322	5250.710	5269.032	---	---
		5280	17.435	5271.281	5288.716	---	---
		5320	17.421	5311.310	5328.731	---	---
11N20SISO	Ant1	5260	18.398	5250.821	5269.219	---	---
		5280	18.369	5270.870	5289.239	---	---
		5320	18.365	5310.896	5329.261	---	---
11N40SISO	Ant1	5270	37.527	5251.286	5288.813	---	---
		5310	37.301	5291.558	5328.859	---	---
11AC20SISO	Ant1	5260	18.417	5250.822	5269.239	---	---
		5280	18.402	5270.869	5289.271	---	---
		5320	18.145	5310.998	5329.143	---	---
11AC40SISO	Ant1	5270	37.106	5251.476	5288.582	---	---
		5310	37.111	5291.599	5328.710	---	---
11AC80SISO	Ant1	5290	76.361	5252.026	5328.387	---	---

Test Graphs

11A_Ant1_5260



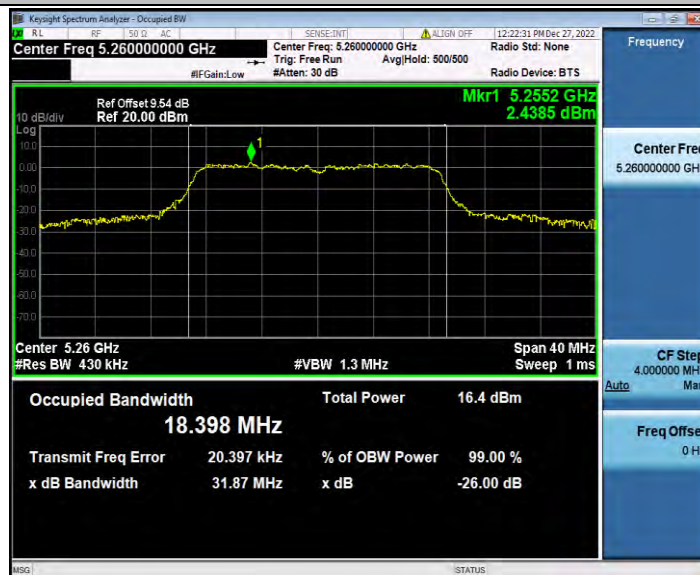
11A_Ant1_5280



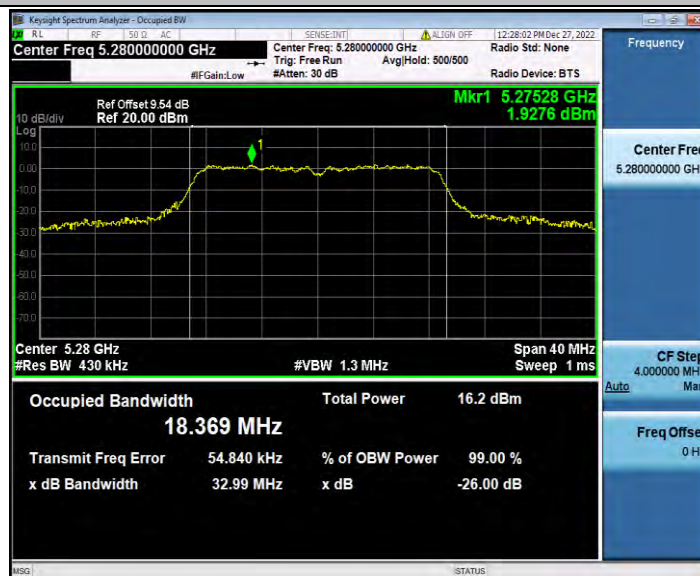
11A_Ant1_5320



11N20SISO_Ant1_5260



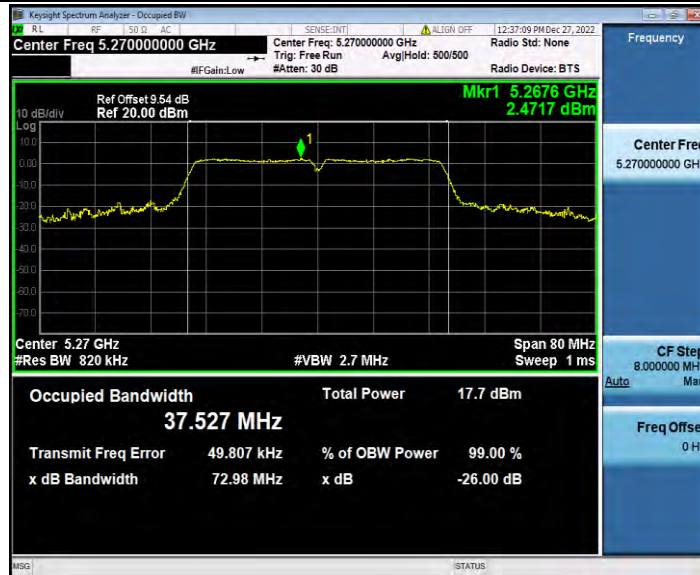
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



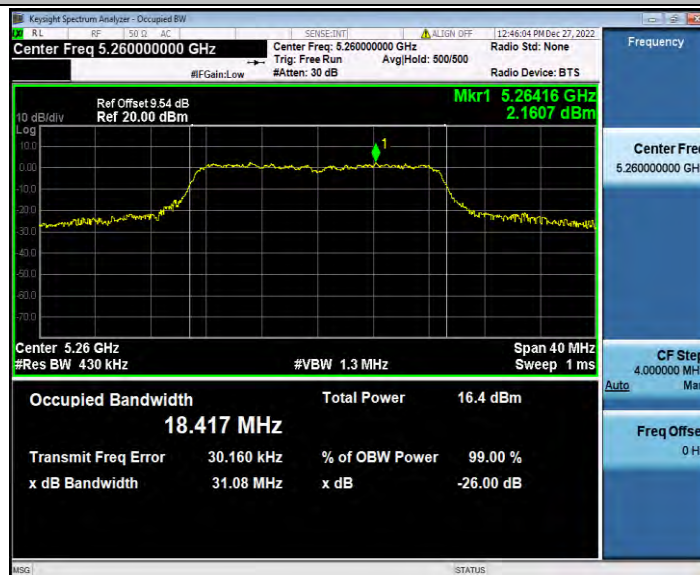
11N40SISO_Ant1_5270



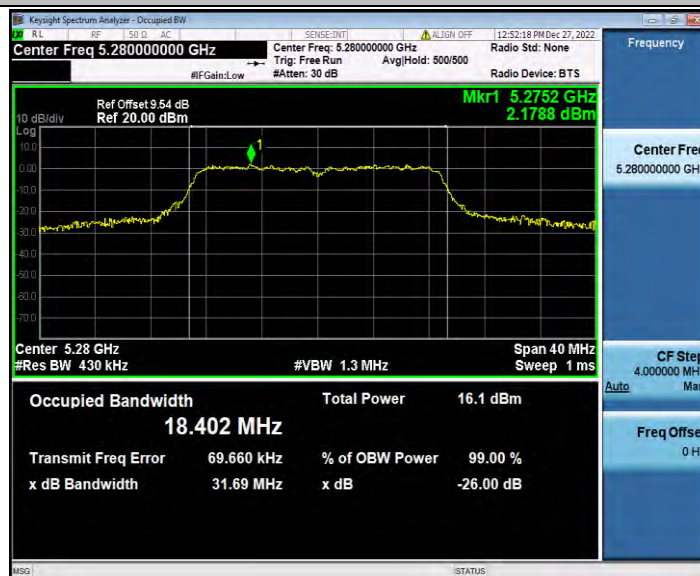
11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



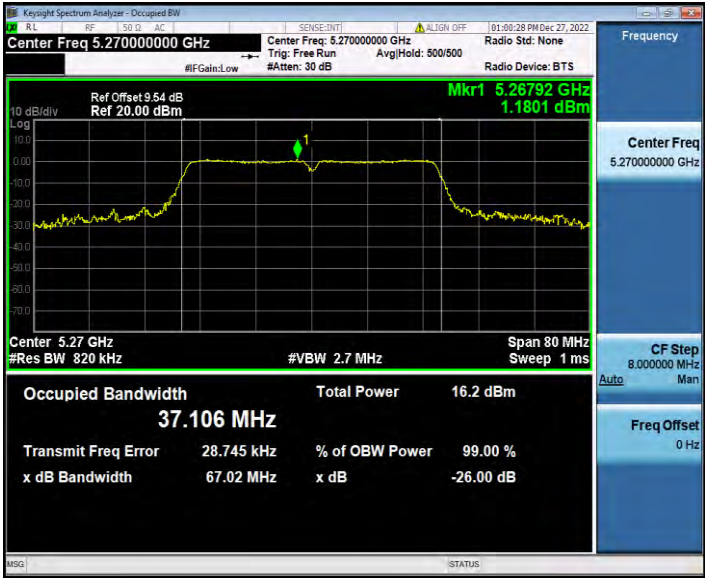
11AC20SISO_Ant1_5280



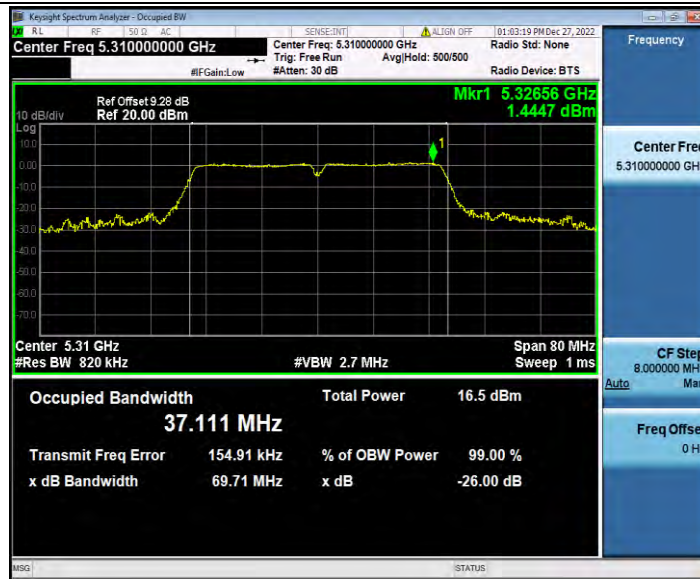
11AC20SISO_Ant1_5320



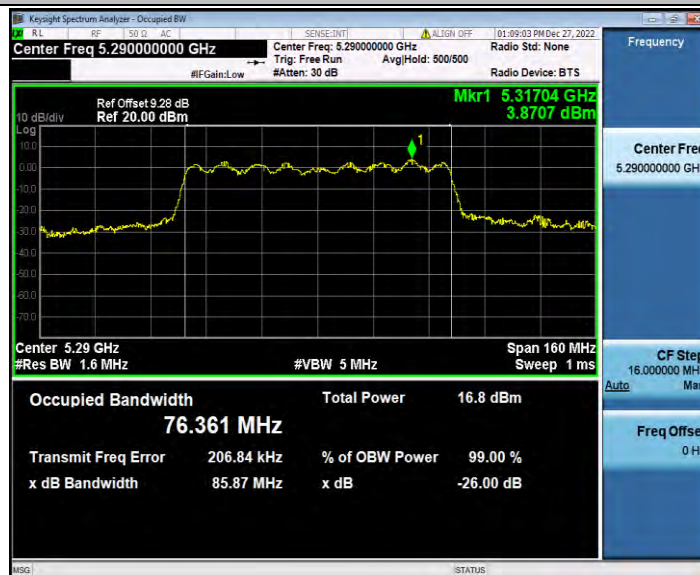
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



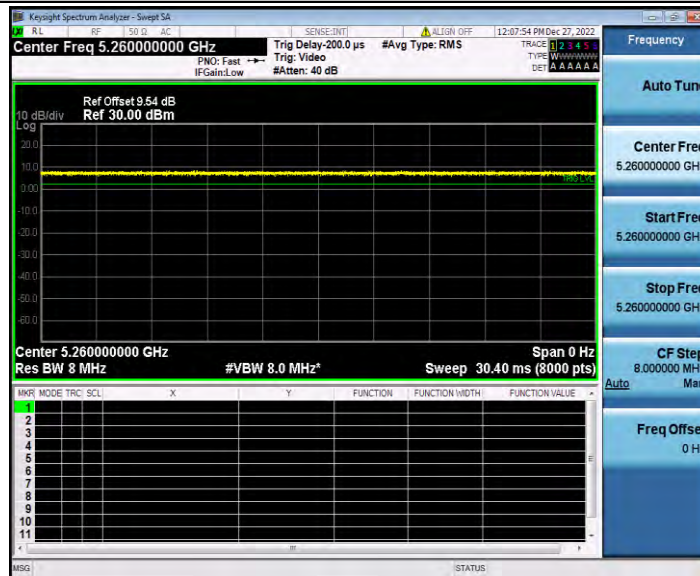
Appendix C.3: Duty Cycle

Test Result

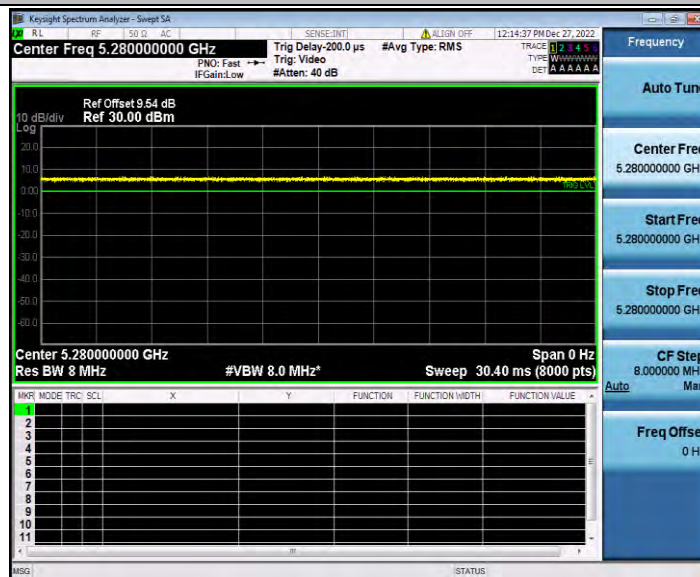
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5260	30.00	30.00	100.00
		5280	30.00	30.00	100.00
		5320	30.00	30.00	100.00
11N20SISO	Ant1	5260	30.00	30.00	100.00
		5280	30.00	30.00	100.00
		5320	30.00	30.00	100.00
11N40SISO	Ant1	5270	30.00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

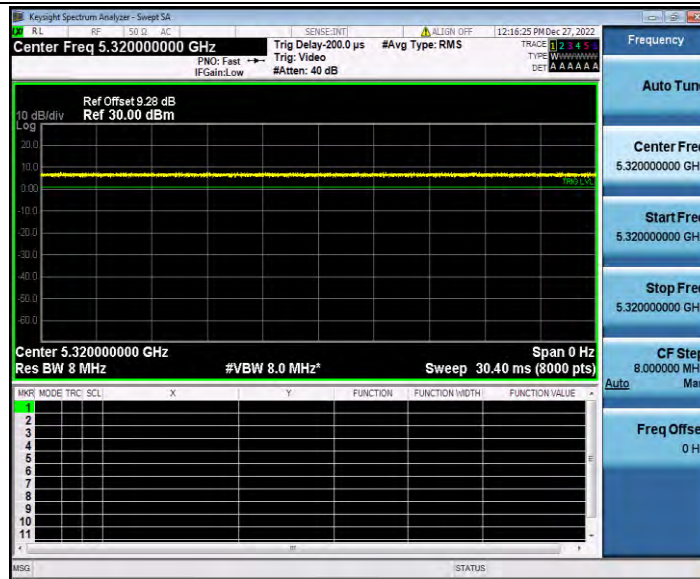
11A_Ant1_5260



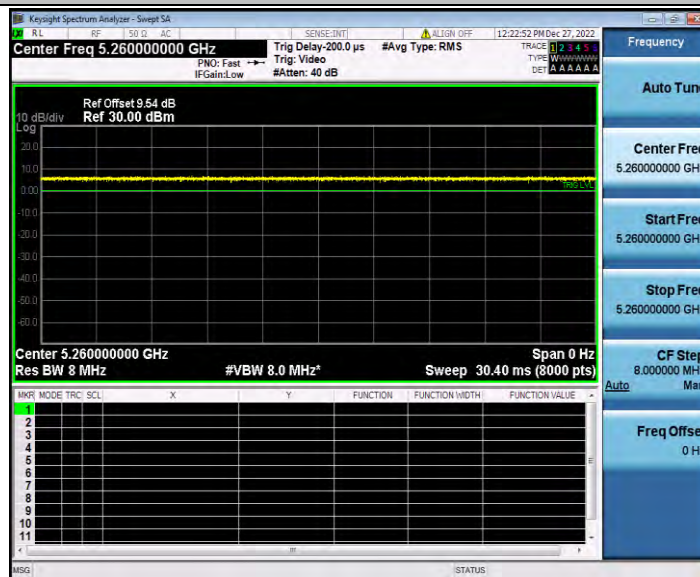
11A_Ant1_5280



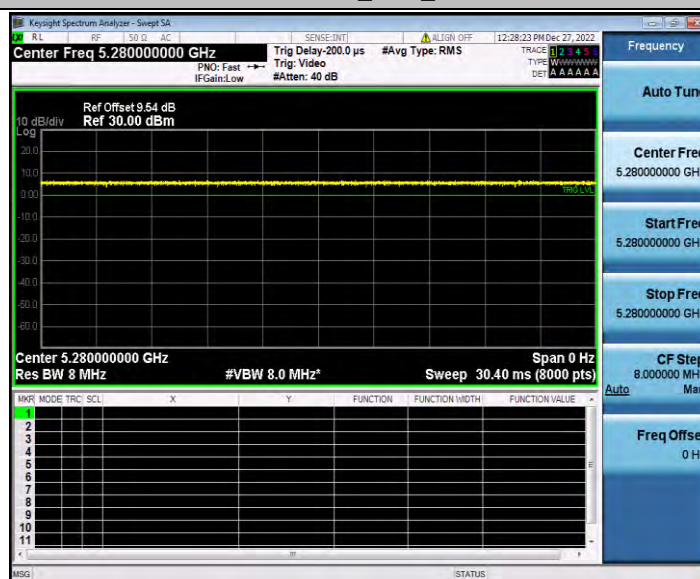
11A_Ant1_5320



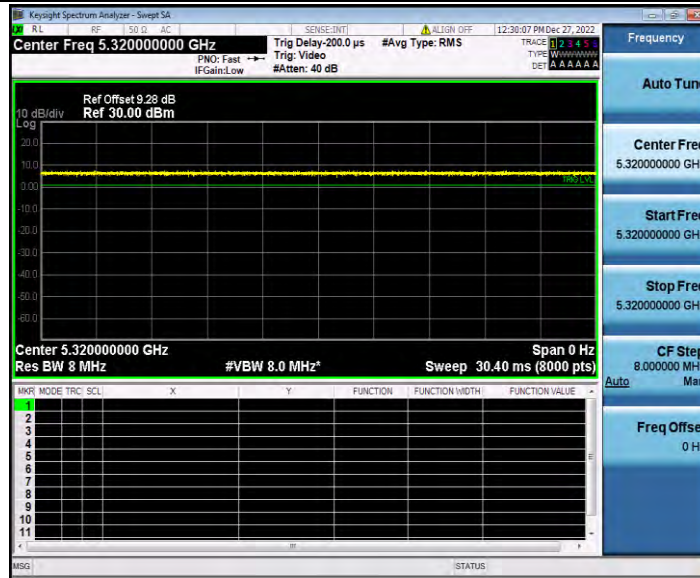
11N20SISO_Ant1_5260



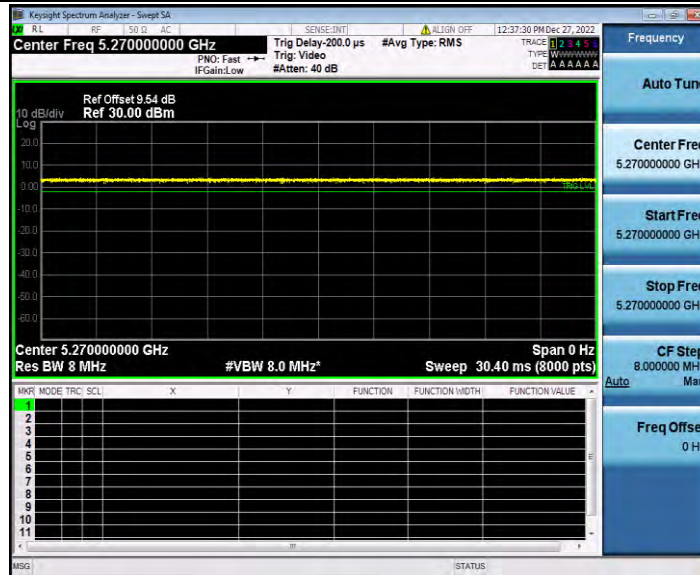
11N20SISO_Ant1_5280



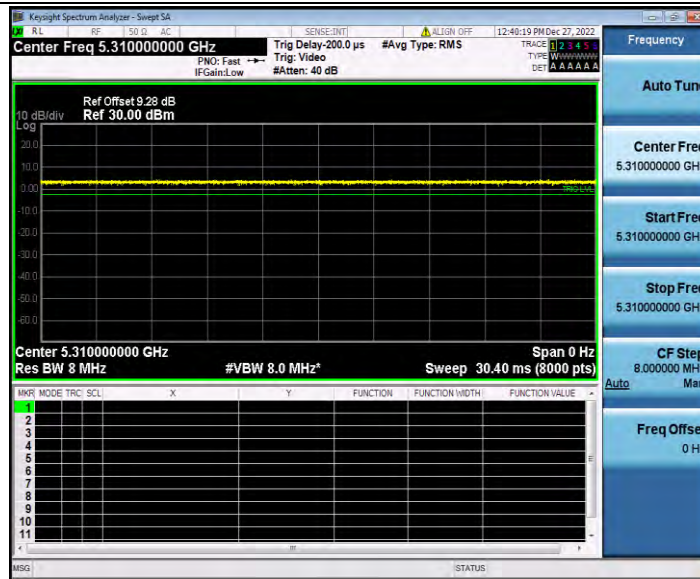
11N20SISO_Ant1_5320



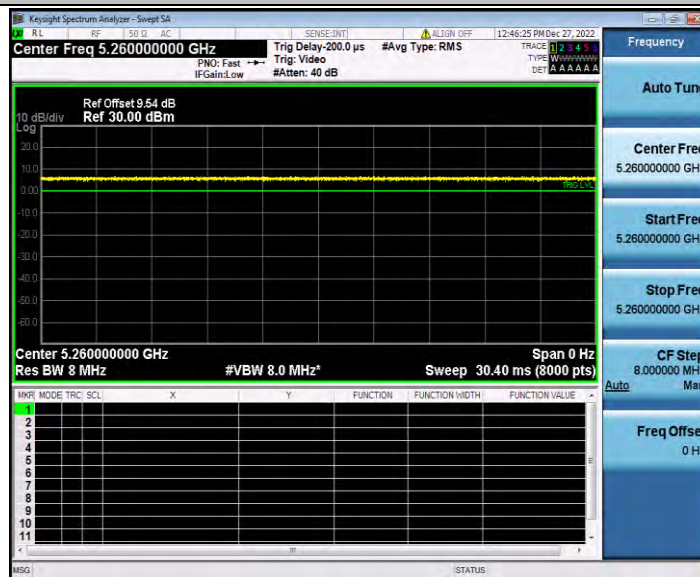
11N40SISO_Ant1_5270



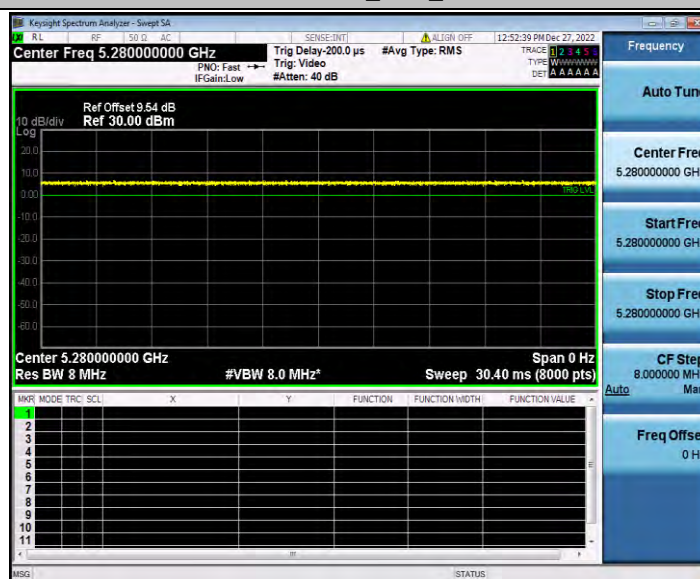
11N40SISO_Ant1_5310



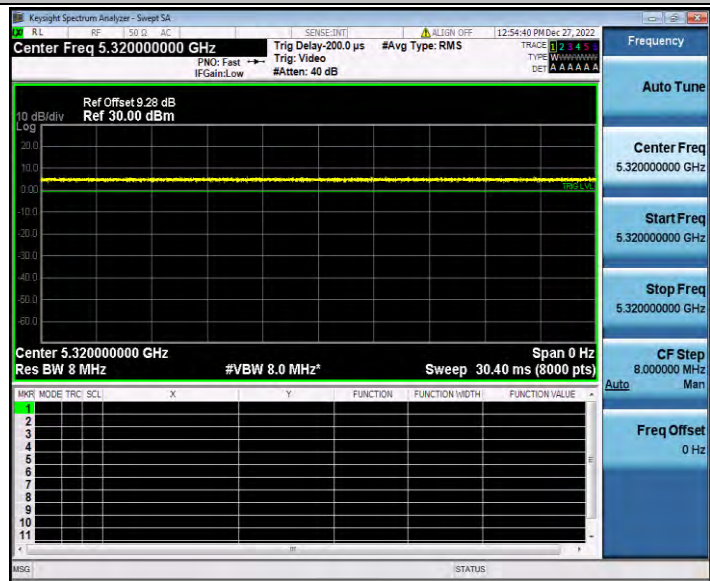
11AC20SISO_Ant1_5260



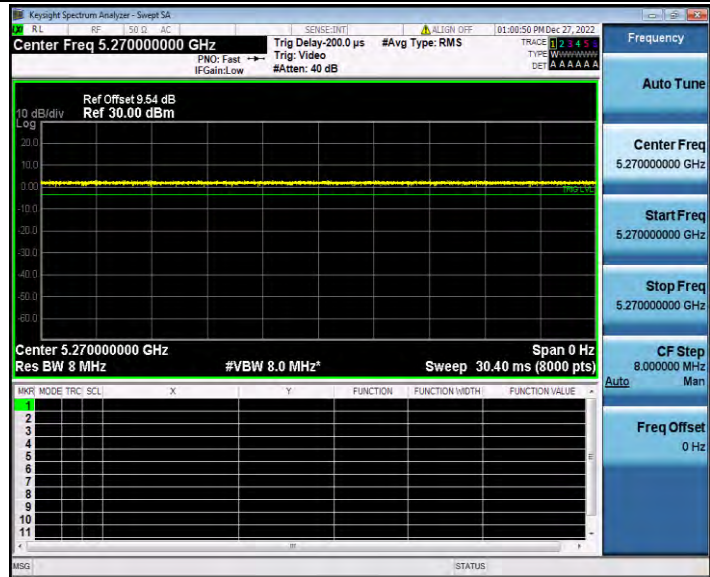
11AC20SISO_Ant1_5280



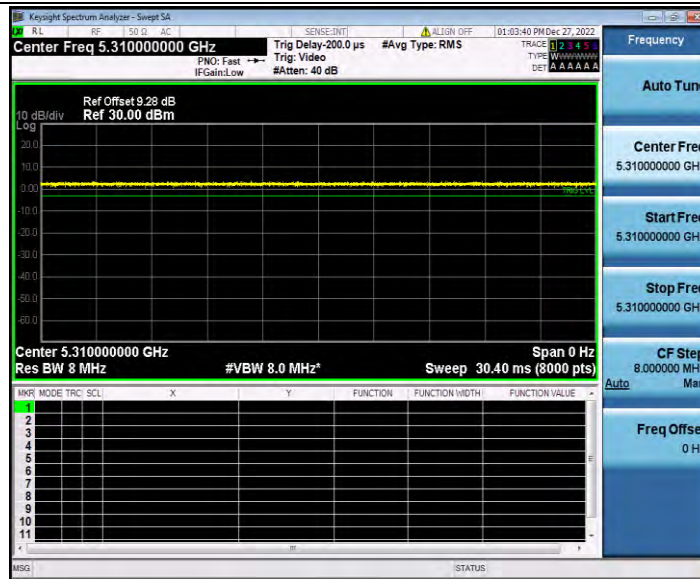
11AC20SISO_Ant1_5320



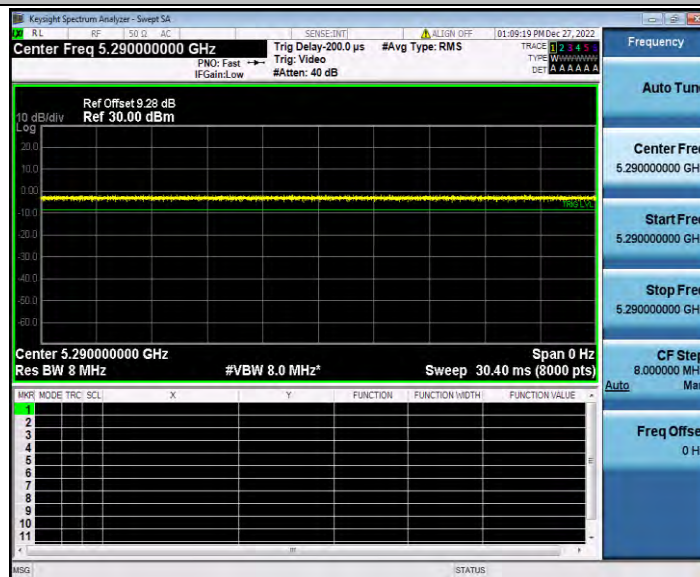
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



Appendix C.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	10.88	100.00	0.00	10.88	≤23.98	PASS
		5280	9.20	100.00	0.00	9.20	≤23.98	PASS
		5320	10.03	100.00	0.00	10.03	≤23.98	PASS
11N20SISO	Ant1	5260	9.49	100.00	0.00	9.49	≤23.98	PASS
		5280	9.33	100.00	0.00	9.33	≤23.98	PASS
		5320	10.03	100.00	0.00	10.03	≤23.98	PASS
11N40SISO	Ant1	5270	9.95	100.00	0.00	9.95	≤23.98	PASS
		5310	9.90	100.00	0.00	9.90	≤23.98	PASS
11AC20SISO	Ant1	5260	9.52	100.00	0.00	9.52	≤23.98	PASS
		5280	9.30	100.00	0.00	9.30	≤23.98	PASS
		5320	8.53	100.00	0.00	8.53	≤23.98	PASS
11AC40SISO	Ant1	5270	8.77	100.00	0.00	8.77	≤23.98	PASS
		5310	9.07	100.00	0.00	9.07	≤23.98	PASS
11AC80SISO	Ant1	5290	7.81	100.00	0.00	7.81	≤23.98	PASS

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

Appendix C.5: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	-1.00	≤11.00	PASS
		5280	-2.30	≤11.00	PASS
		5320	-1.28	≤11.00	PASS
11N20SISO	Ant1	5260	-2.18	≤11.00	PASS
		5280	-2.31	≤11.00	PASS
		5320	-1.49	≤11.00	PASS
11N40SISO	Ant1	5270	-4.92	≤11.00	PASS
		5310	-4.53	≤11.00	PASS
11AC20SISO	Ant1	5260	-2.20	≤11.00	PASS
		5280	-2.35	≤11.00	PASS
		5320	-2.98	≤11.00	PASS
11AC40SISO	Ant1	5270	-5.98	≤11.00	PASS
		5310	-5.33	≤11.00	PASS
11AC80SISO	Ant1	5290	-8.78	≤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



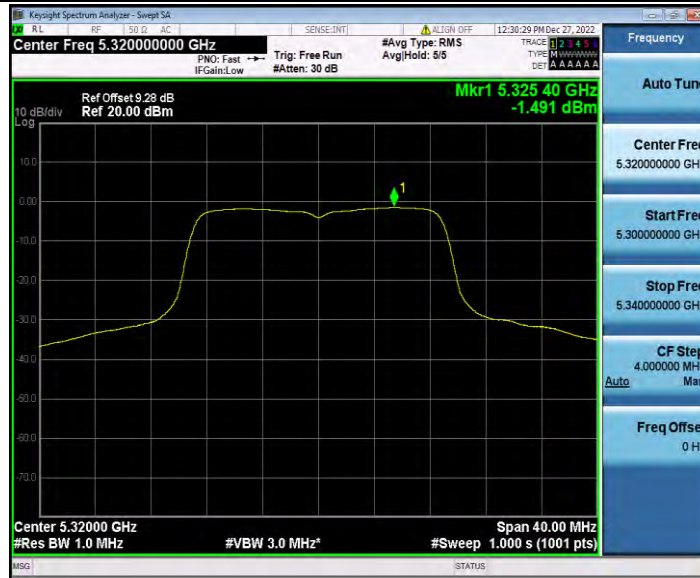
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



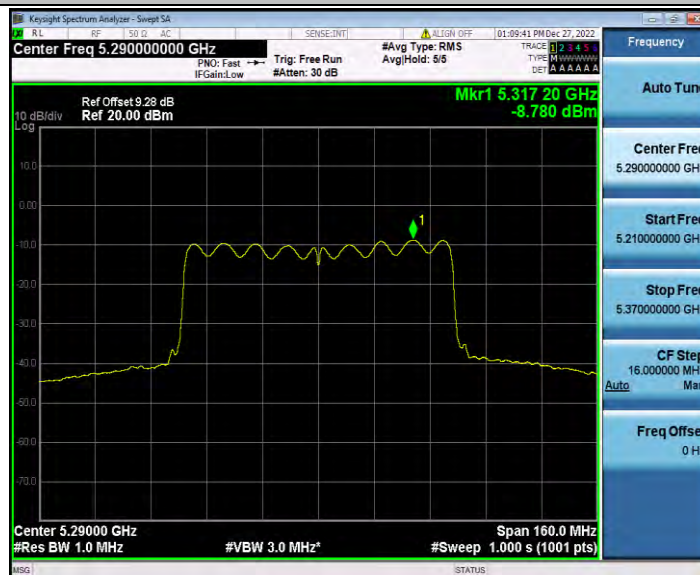
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



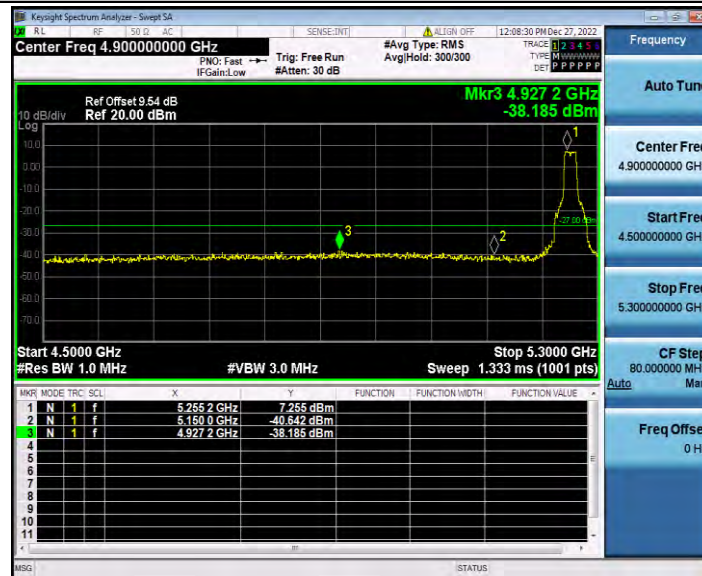
Appendix C.6: Band edge measurements

Test Result B2

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5260	-38.19	≤-27	PASS
		High	5320	-38.45	≤-27	PASS
11N20SISO	Ant1	Low	5260	-38.04	≤-27	PASS
		High	5320	-38.33	≤-27	PASS
11N40SISO	Ant1	Low	5270	-37.62	≤-27	PASS
		High	5310	-30.79	≤-27	PASS
11AC20SISO	Ant1	Low	5260	-37.7	≤-27	PASS
		High	5320	-38.15	≤-27	PASS
11AC40SISO	Ant1	Low	5270	-37.17	≤-27	PASS
		High	5310	-28.34	≤-27	PASS
11AC80SISO	Ant1	Low	5290	-37.54	≤-27	PASS
		High	5290	-39.59	≤-27	PASS

Test Graphs B2

11A_Ant1_Low_5260



11A_Ant1_High_5320



11N20SISO_Ant1_Low_5260



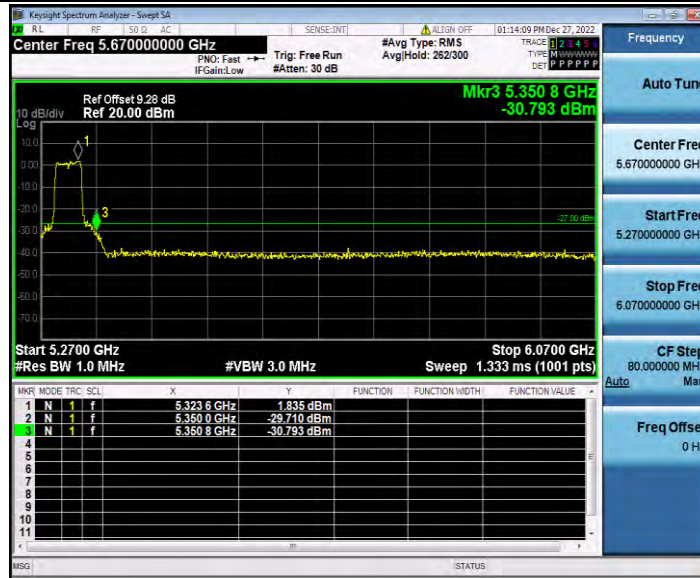
11N20SISO_Ant1_High_5320



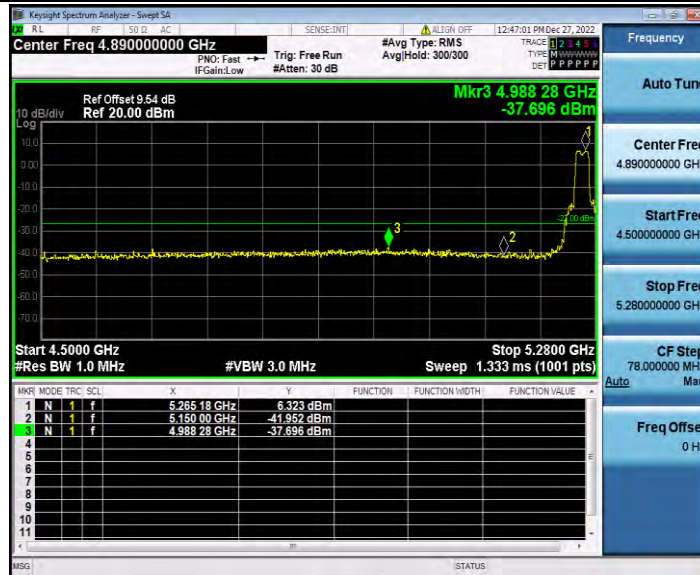
11N40SISO_Ant1_Low_5270



11N40SISO_Ant1_High_5310



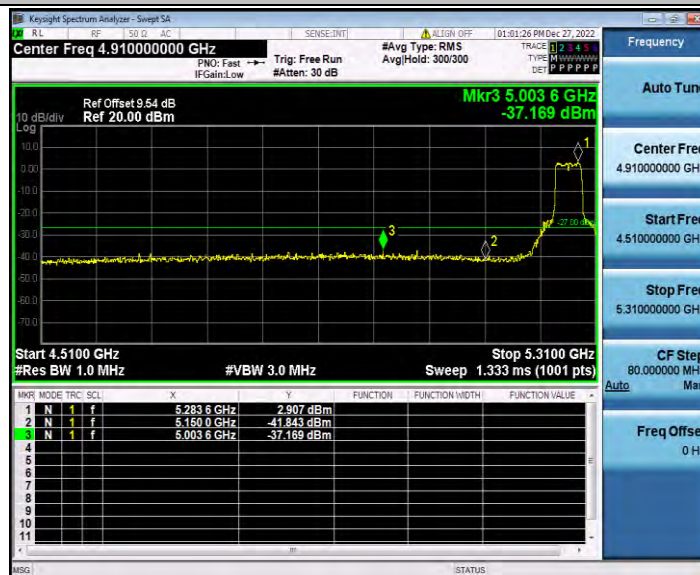
11AC20SISO_Ant1_Low_5260



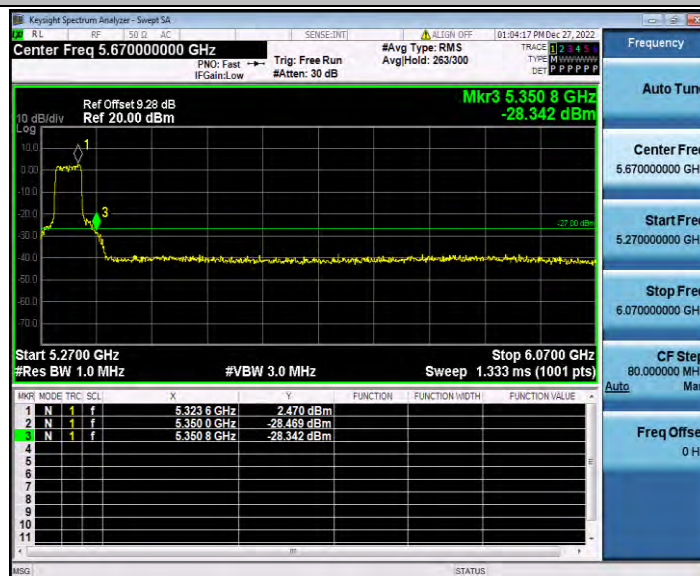
11AC20SISO_Ant1_High_5320



11AC40SISO_Ant1_Low_5270



11AC40SISO_Ant1_High_5310



11AC80SISO_Ant1_Low_5290



11AC80SISO_Ant1_High_5290



Appendix C.7: Conducted Spurious Emission

Test Result

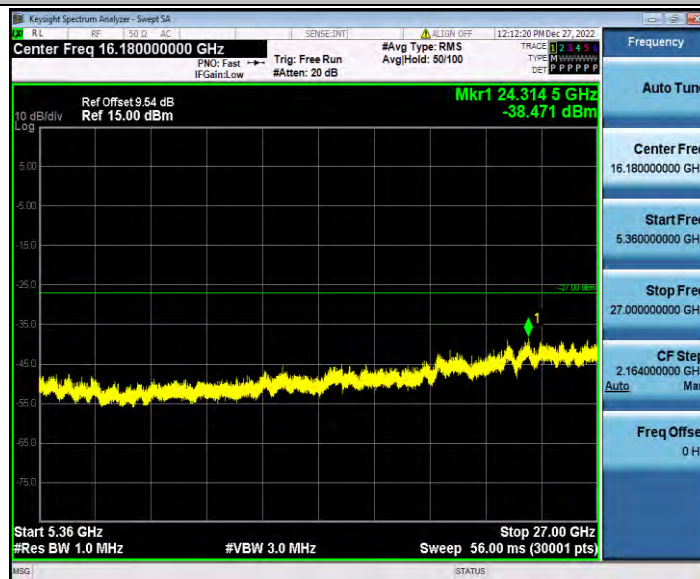
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	30~5140	4971.88	-46.81	≤-27	PASS
			5360~40000	24314.48	-38.47	≤-27	PASS
		5280	30~5140	3111.16	-47.03	≤-27	PASS
			5360~40000	24353.43	-38.1	≤-27	PASS
		5320	30~5140	2892.45	-47.82	≤-27	PASS
			5360~40000	26008.89	-38.73	≤-27	PASS
11N20SISO	Ant1	5260	30~5140	4951.1	-46.54	≤-27	PASS
			5360~40000	26808.85	-38.43	≤-27	PASS
		5280	30~5140	2817.16	-47.14	≤-27	PASS
			5360~40000	24224.31	-37.53	≤-27	PASS
		5320	30~5140	3046.77	-47.32	≤-27	PASS
			5360~40000	24279.85	-38.42	≤-27	PASS
11N40SISO	Ant1	5270	30~5140	3291.71	-46.79	≤-27	PASS
			5360~40000	24285.62	-38.68	≤-27	PASS
		5310	30~5140	2679.02	-47	≤-27	PASS
			5360~40000	26864.39	-38.5	≤-27	PASS
11AC20SISO	Ant1	5260	30~5140	3118.14	-47.31	≤-27	PASS
			5360~40000	23557.8	-37.46	≤-27	PASS
		5280	30~5140	3297.67	-46.93	≤-27	PASS
			5360~40000	24300.05	-38.57	≤-27	PASS
		5320	30~5140	4892.17	-47.36	≤-27	PASS
			5360~40000	24281.29	-38.85	≤-27	PASS
11AC40SISO	Ant1	5270	30~5140	4921.8	-47.72	≤-27	PASS
			5360~40000	23611.18	-38.65	≤-27	PASS
		5310	30~5140	2415.18	-45.96	≤-27	PASS
			5360~40000	24302.93	-38.33	≤-27	PASS
11AC80SISO	Ant1	5290	30~5140	2644.62	-46.31	≤-27	PASS
			5360~40000	5367.21	-35.62	≤-27	PASS

Test Graphs

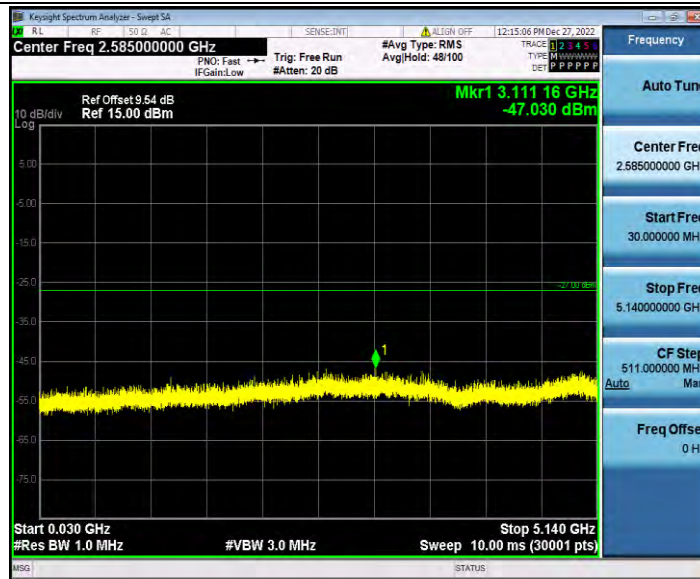
11A_Ant1_5260_30~5140



11A_Ant1_5260_5360~40000



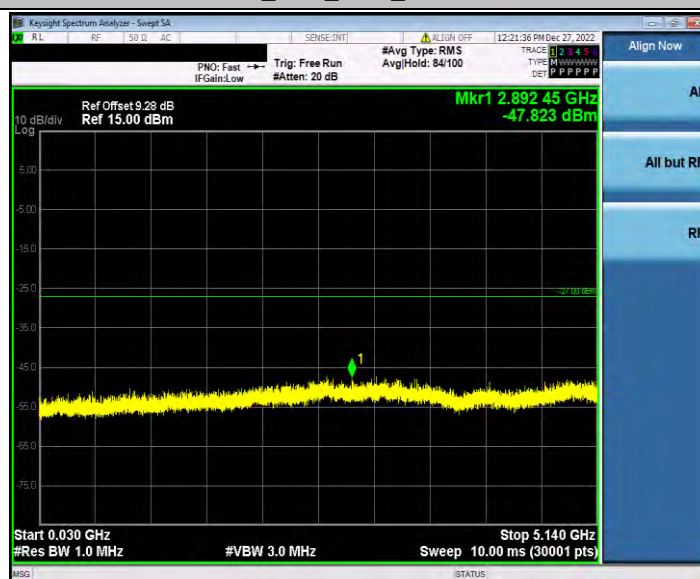
11A_Ant1_5280_30~5140



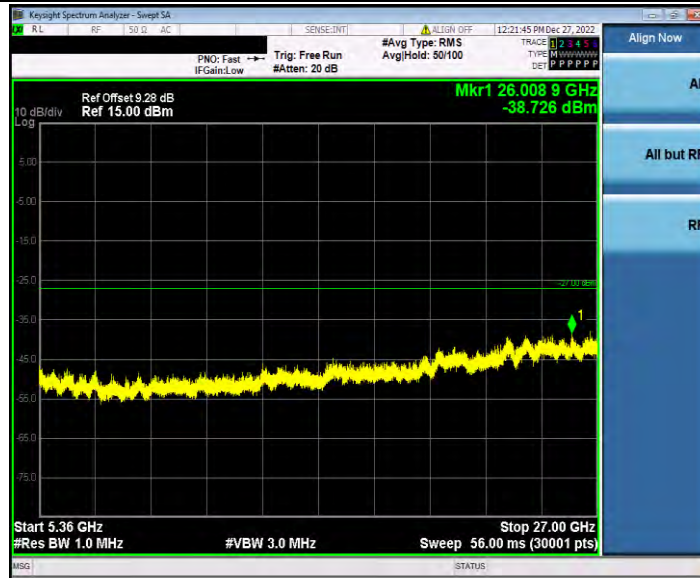
11A_Ant1_5280_5360~40000



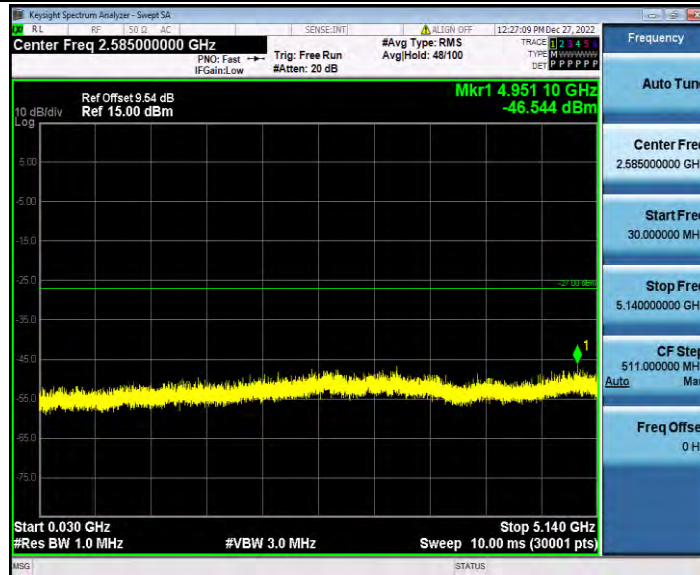
11A_Ant1_5320_30~5140



11A_Ant1_5320_5360~40000



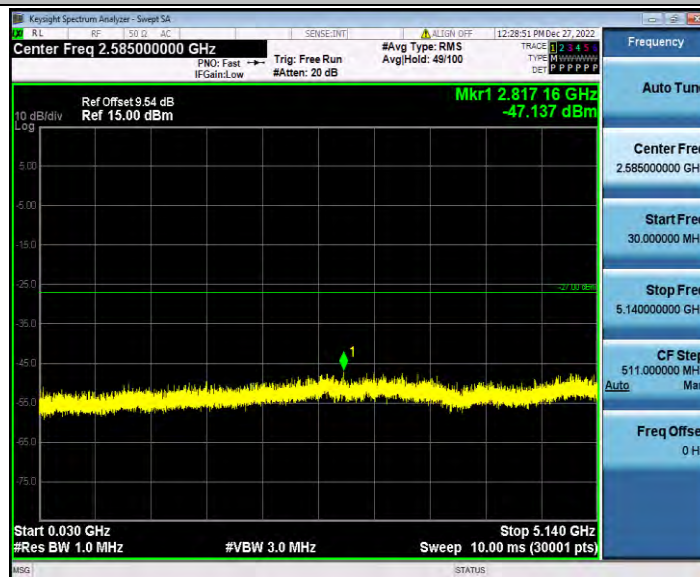
11N20SISO_Ant1_5260_30~5140



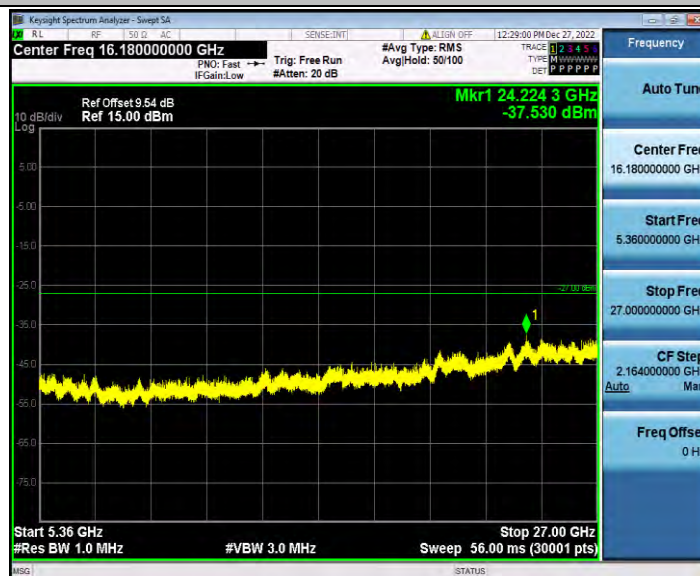
11N20SISO_Ant1_5260_5360~40000



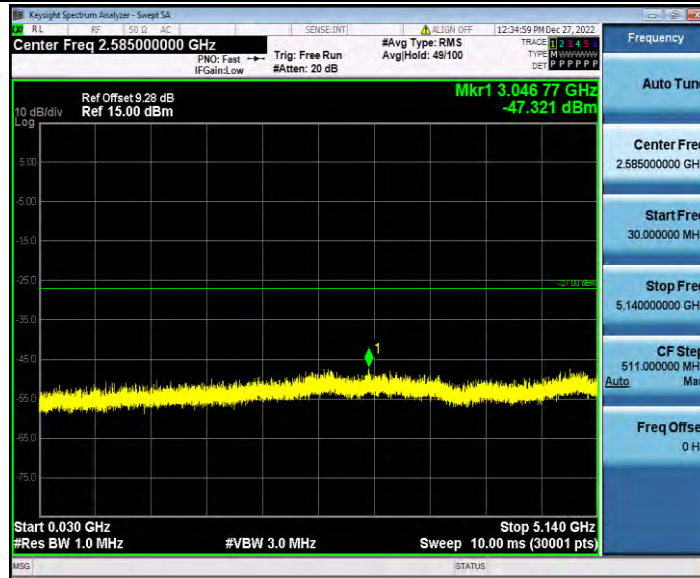
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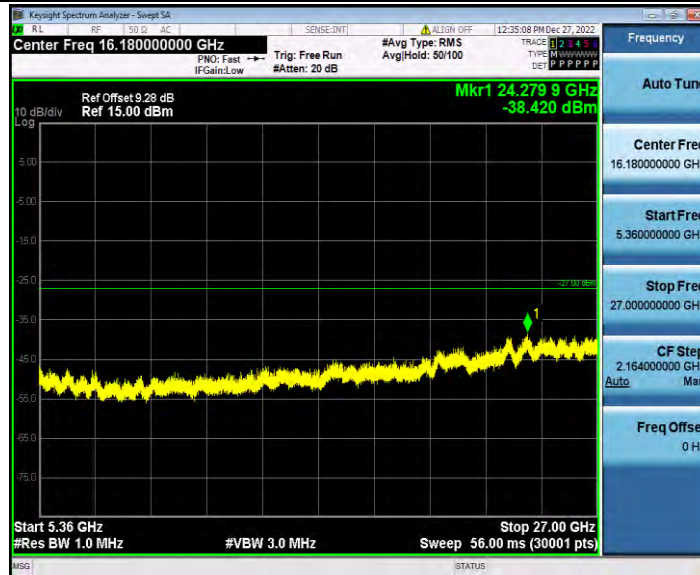
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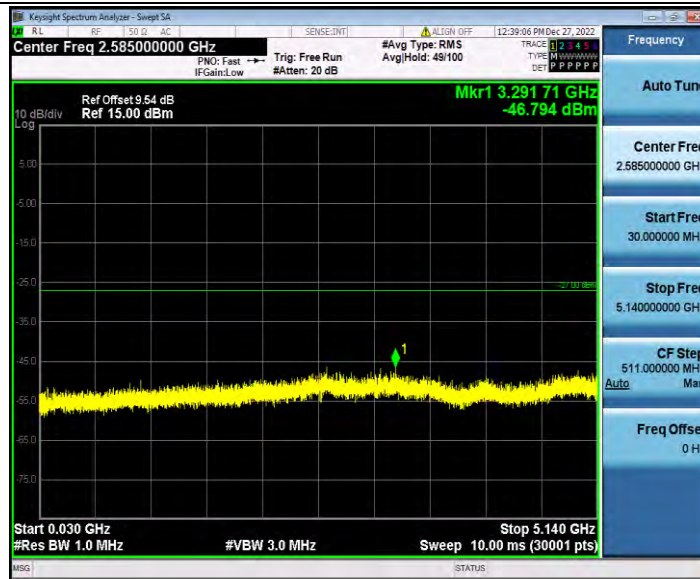
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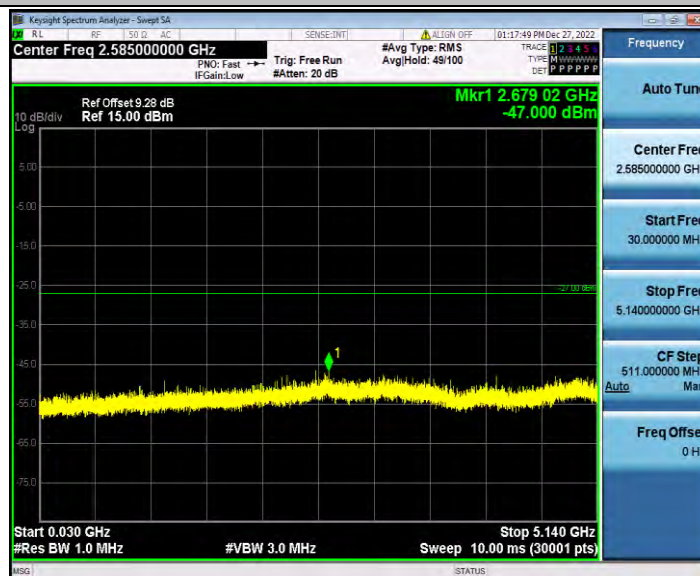
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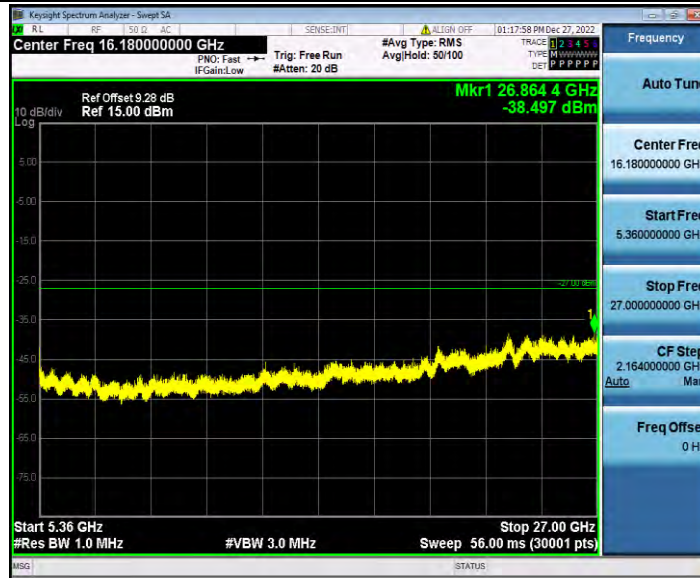
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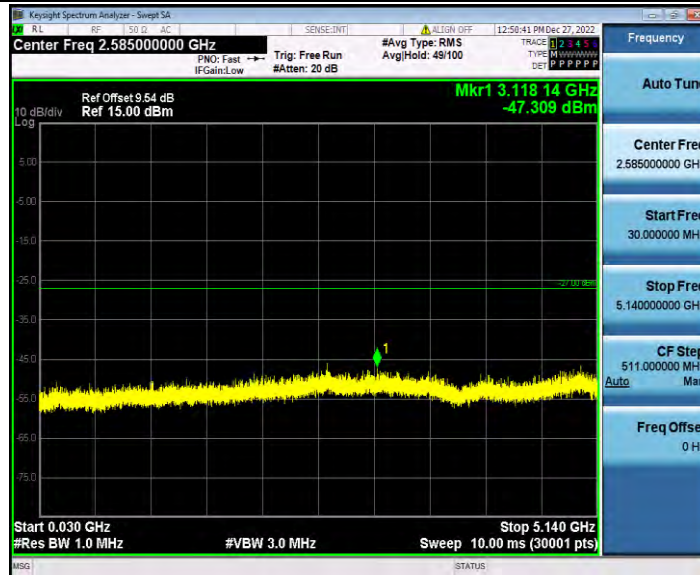
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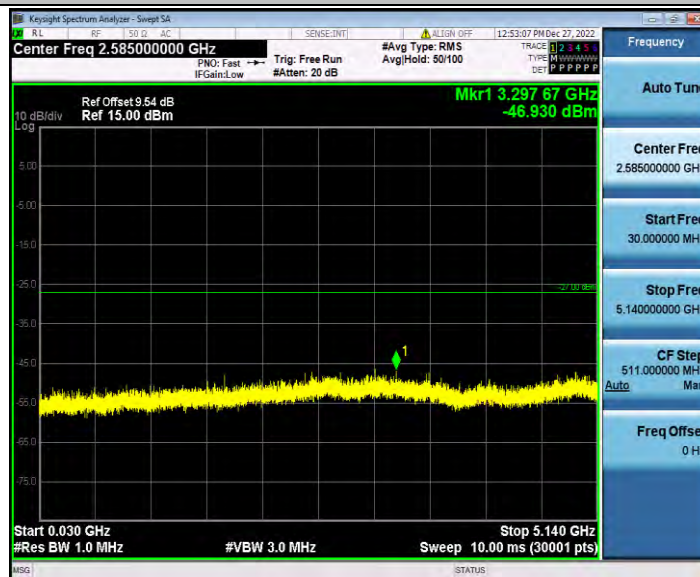
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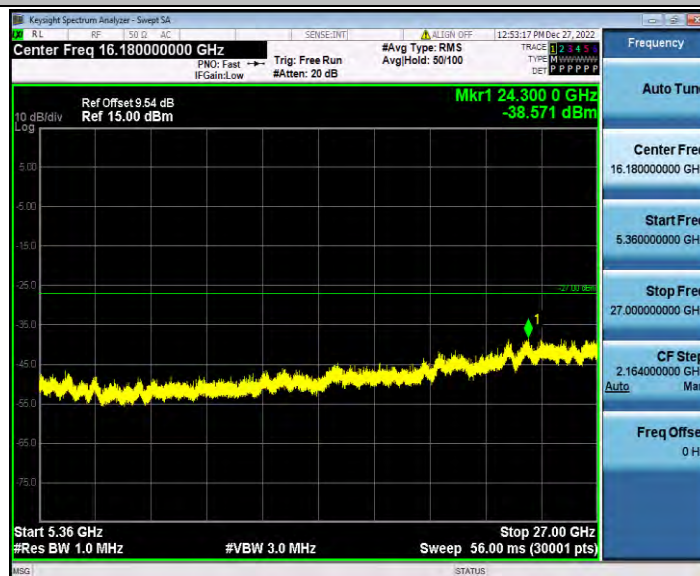
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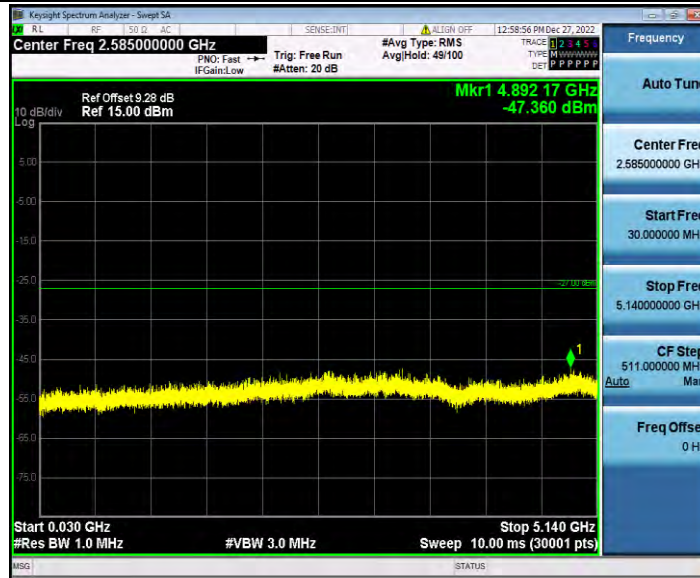
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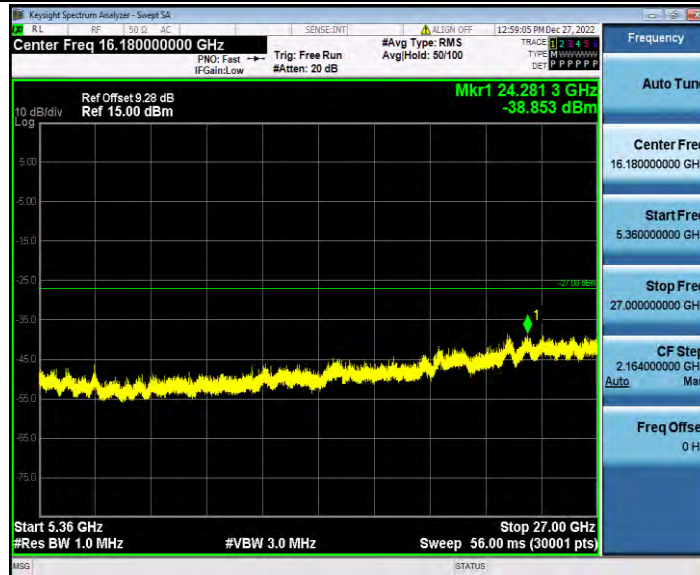
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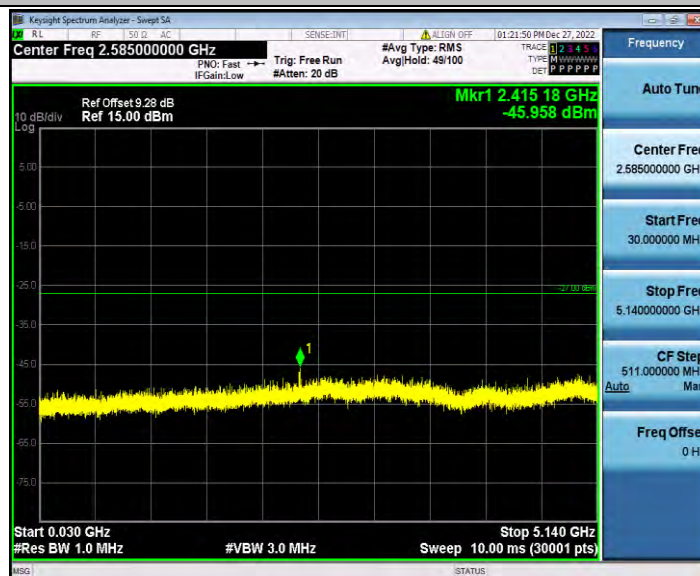
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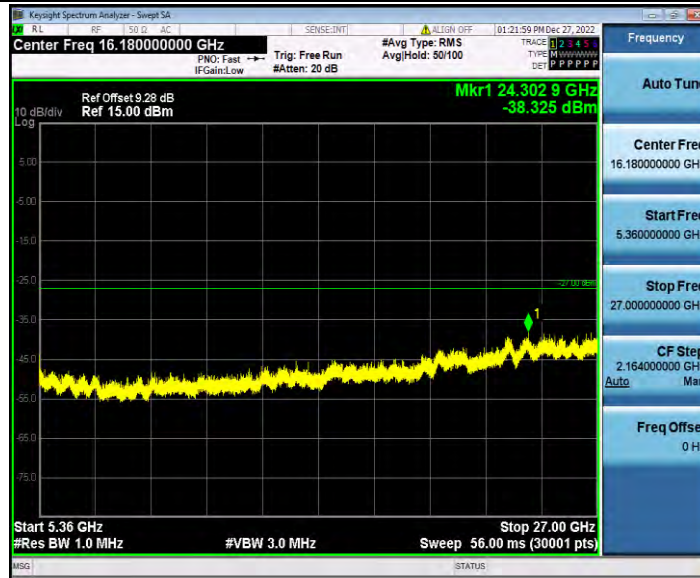
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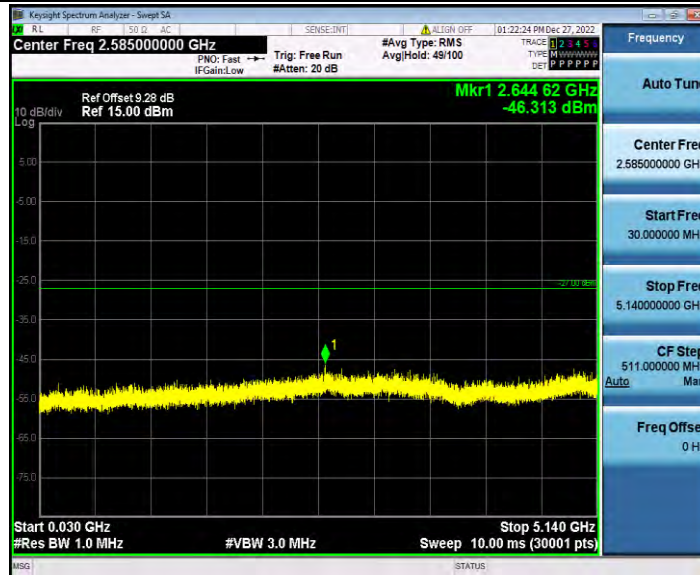
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11AC40SISO_Ant1_5310_5360~40000



11AC80SISO_Ant1_5290_30~5140



11AC80SISO_Ant1_5290_5360~40000

