

Case No. : GTS20220920004-2-13	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2022.12.16	Test Engineer: Jenny zeng

Appendix E.1: Emission Bandwidth

Test Result

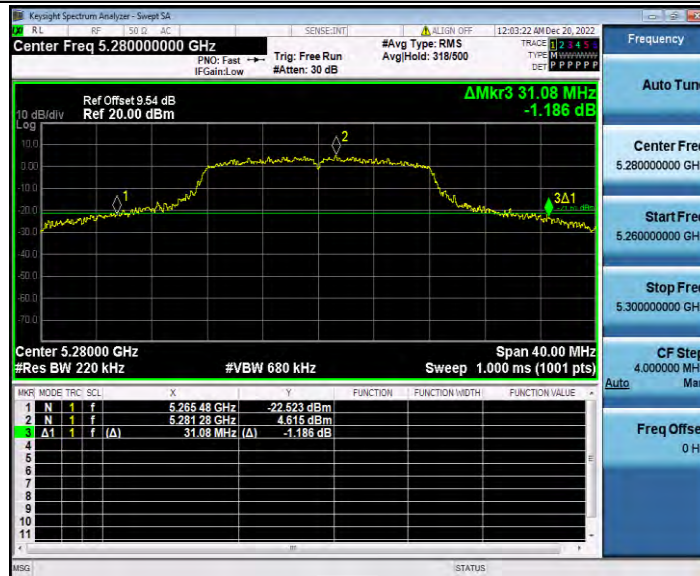
TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	30.960	5245.240	5276.200	---	---
		5280	31.080	5265.480	5296.560	---	---
		5320	20.360	5309.880	5330.240	---	---
11N20SISO	Ant1	5260	26.960	5246.520	5273.480	---	---
		5280	27.520	5266.160	5293.680	---	---
		5320	20.280	5309.880	5330.160	---	---
11N40SISO	Ant1	5270	60.720	5237.040	5297.760	---	---
		5310	40.800	5289.600	5330.400	---	---
11AC20SISO	Ant1	5260	27.160	5246.840	5274.000	---	---
		5280	25.720	5266.800	5292.520	---	---
		5320	20.080	5310.000	5330.080	---	---
11AC40SISO	Ant1	5270	61.600	5237.040	5298.640	---	---
		5310	41.040	5289.520	5330.560	---	---
11AC80SISO	Ant1	5290	80.640	5249.680	5330.320	---	---

Test Graphs

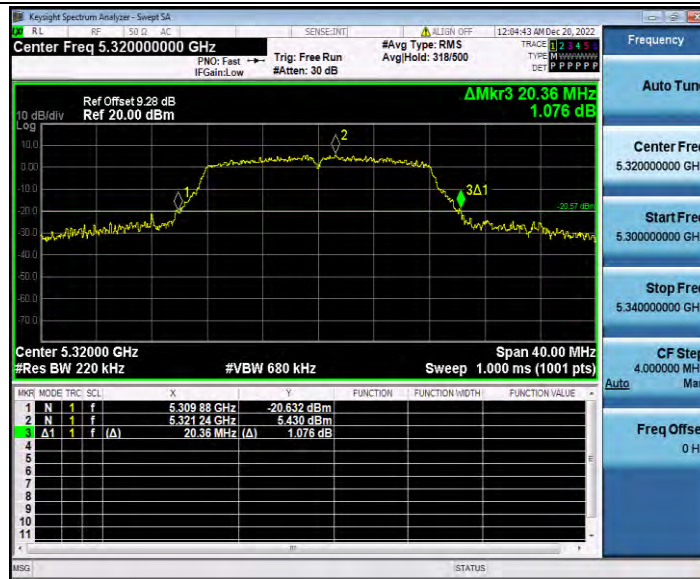
11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320



11N20SISO_Ant1_5260



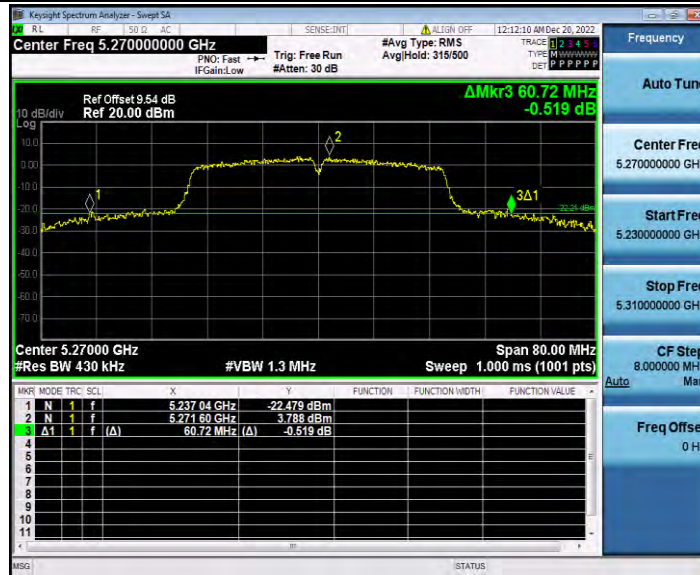
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



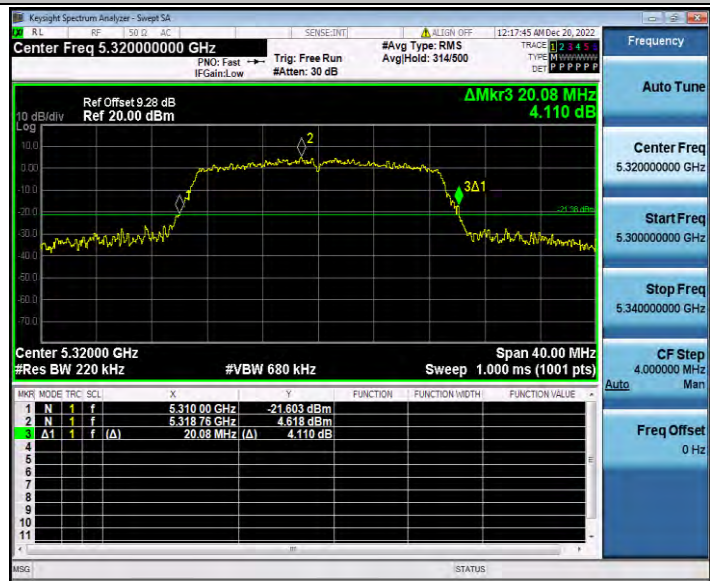
11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



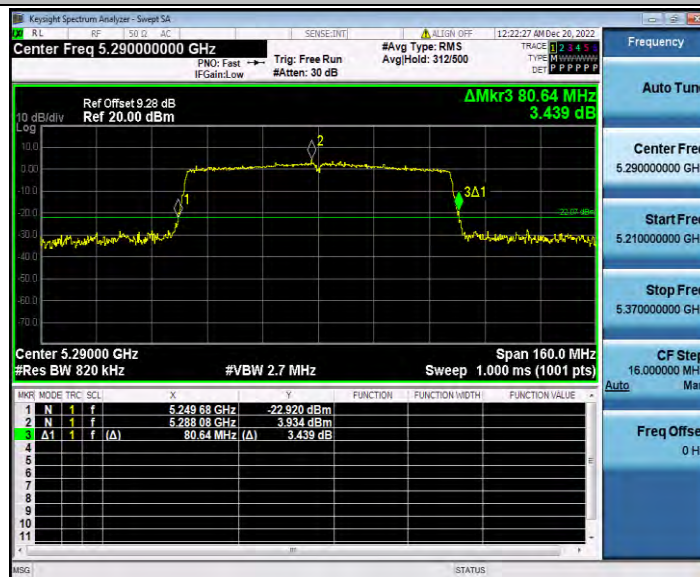
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



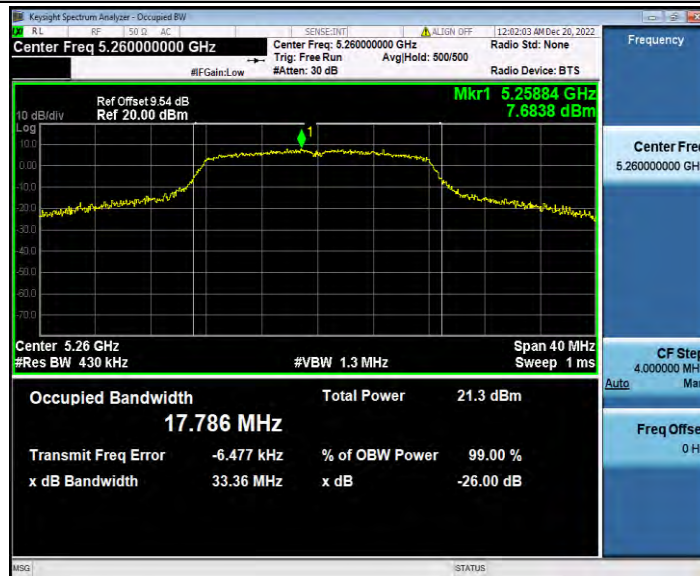
Appendix E.2: Occupied channel bandwidth

Test Result

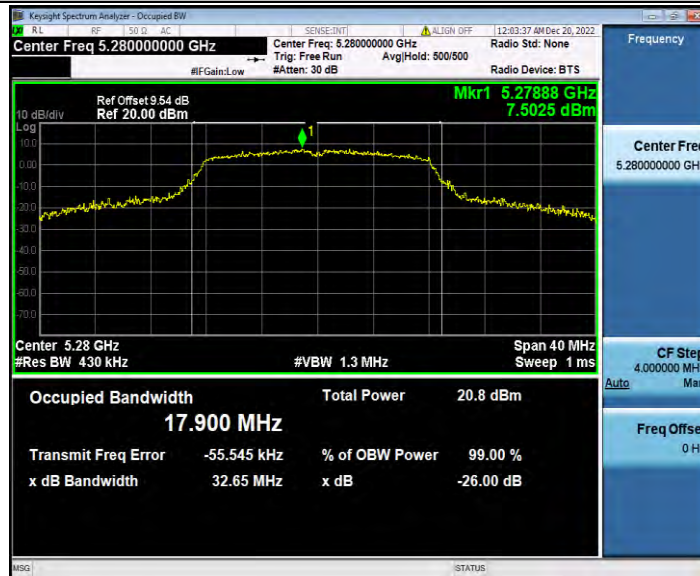
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	17.786	5251.101	5268.887	---	---
		5280	17.900	5270.994	5288.894	---	---
		5320	17.080	5311.400	5328.480	---	---
11N20SISO	Ant1	5260	18.300	5250.832	5269.132	---	---
		5280	18.270	5270.805	5289.075	---	---
		5320	17.782	5311.100	5328.882	---	---
11N40SISO	Ant1	5270	36.936	5251.493	5288.429	---	---
		5310	36.412	5291.832	5328.244	---	---
11AC20SISO	Ant1	5260	18.323	5250.851	5269.174	---	---
		5280	18.271	5270.833	5289.104	---	---
		5320	17.905	5311.012	5328.917	---	---
11AC40SISO	Ant1	5270	36.855	5251.529	5288.384	---	---
		5310	36.417	5291.836	5328.253	---	---
11AC80SISO	Ant1	5290	75.512	5252.274	5327.786	---	---

Test Graphs

11A_Ant1_5260



11A_Ant1_5280



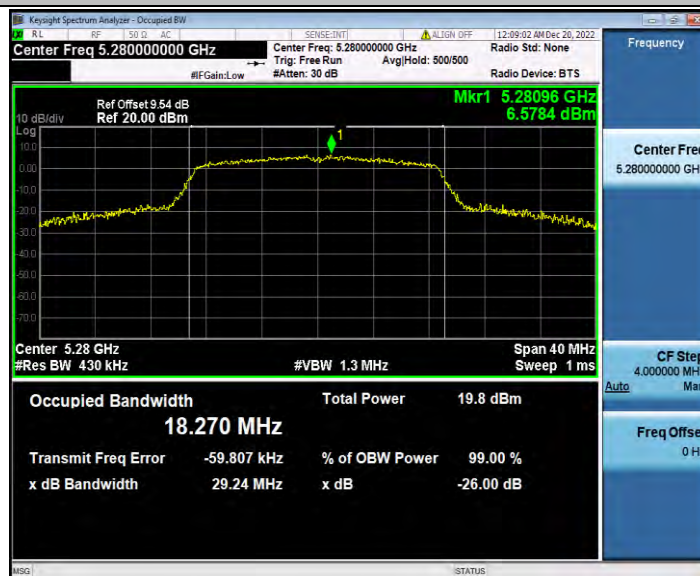
11A_Ant1_5320



11N20SISO_Ant1_5260



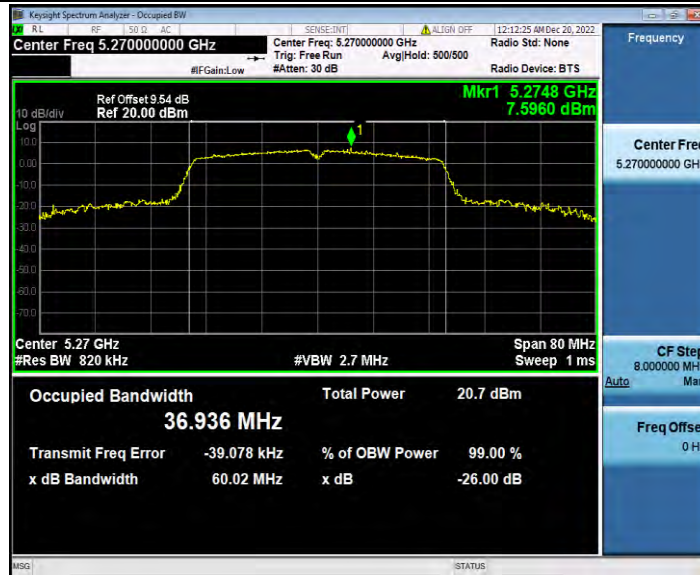
11N20SISO_Ant1_5280



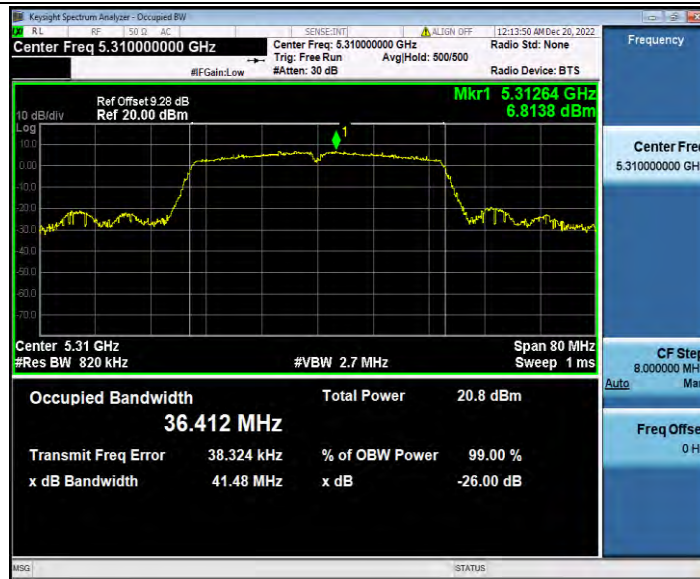
11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



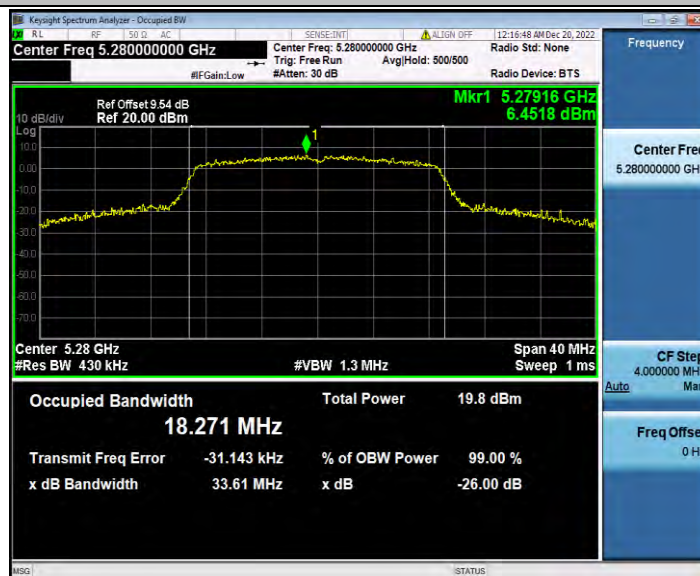
11N40SISO_Ant1_5310



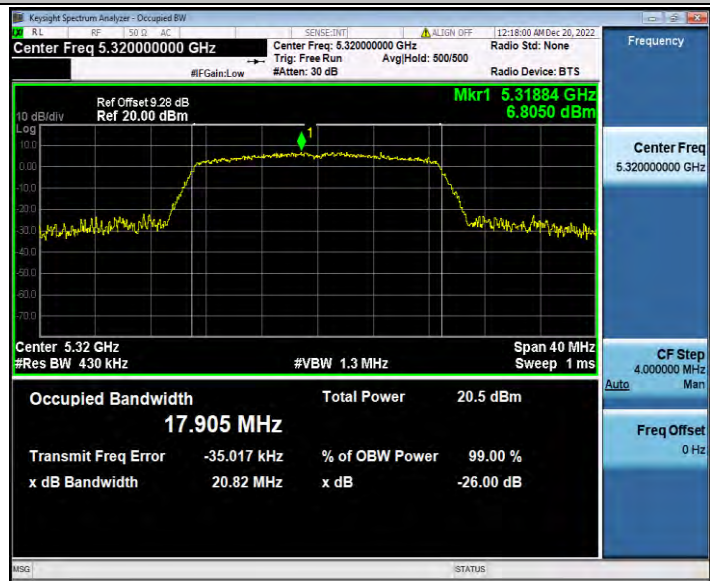
11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



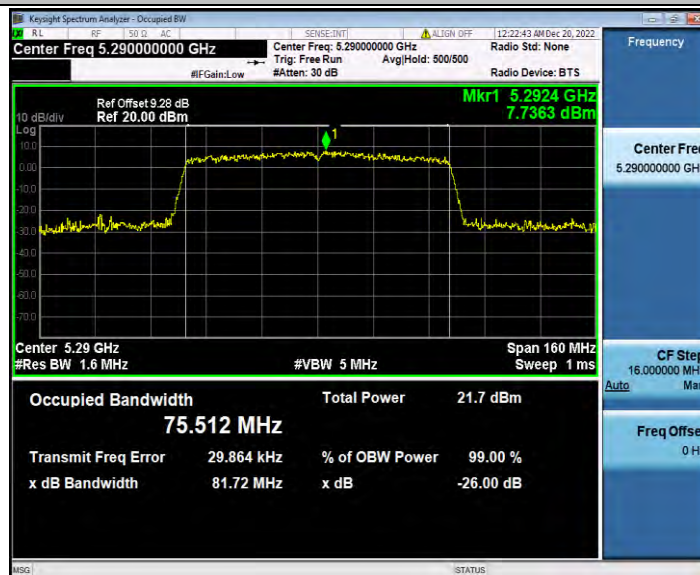
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



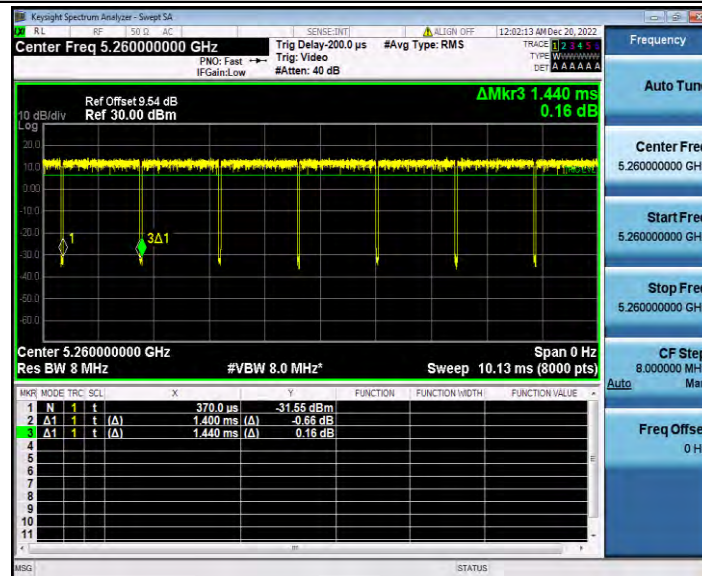
Appendix E.3: Duty Cycle

Test Result

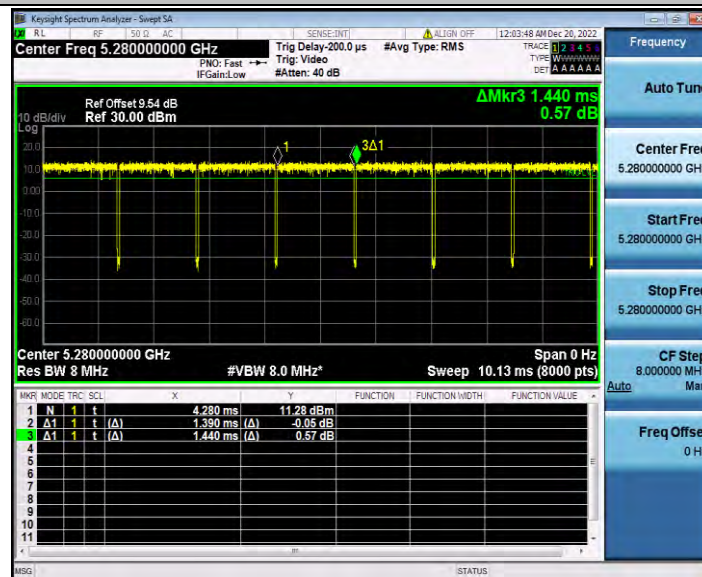
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5260	1.40	1.44	97.22
		5280	1.39	1.44	96.53
		5320	1.40	1.44	97.22
11N20SISO	Ant1	5260	0.68	0.72	94.44
		5280	0.68	0.73	93.15
		5320	0.67	0.72	93.06
11N40SISO	Ant1	5270	0.35	0.39	89.74
		5310	0.35	0.40	87.50
11AC20SISO	Ant1	5260	0.68	0.73	93.15
		5280	0.68	0.73	93.15
		5320	0.68	0.72	94.44
11AC40SISO	Ant1	5270	0.35	0.39	89.74
		5310	0.35	0.40	87.50
11AC80SISO	Ant1	5290	0.18	0.23	78.26

Test Graphs

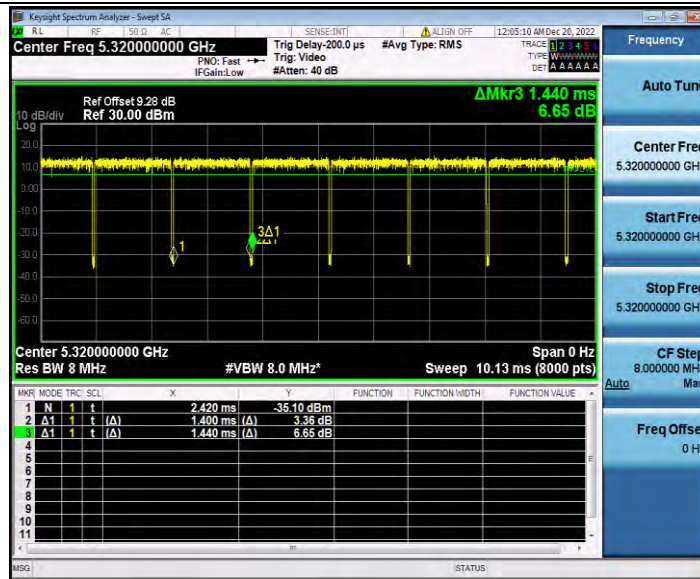
11A_Ant1_5260



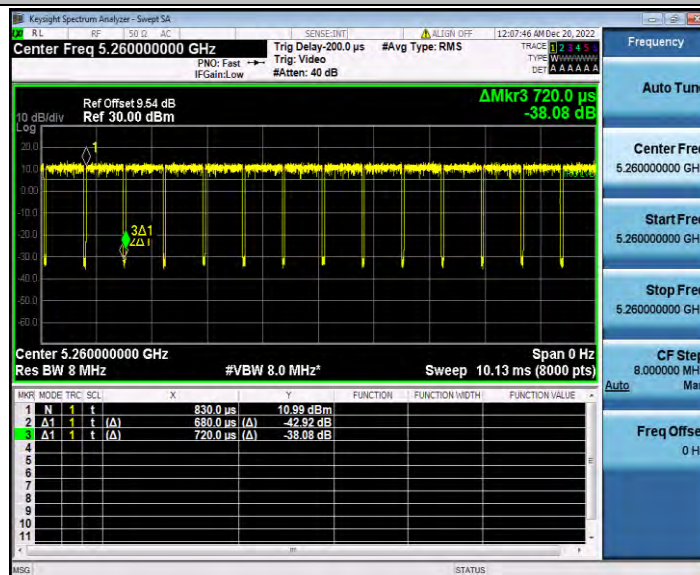
11A_Ant1_5280



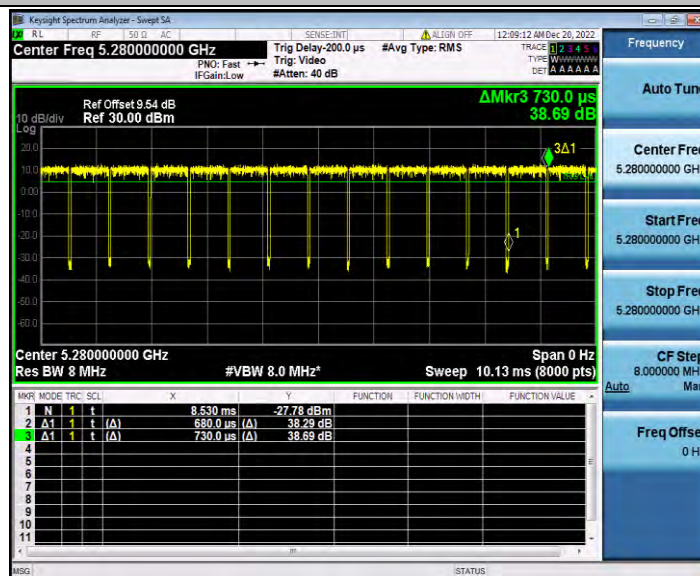
11A_Ant1_5320



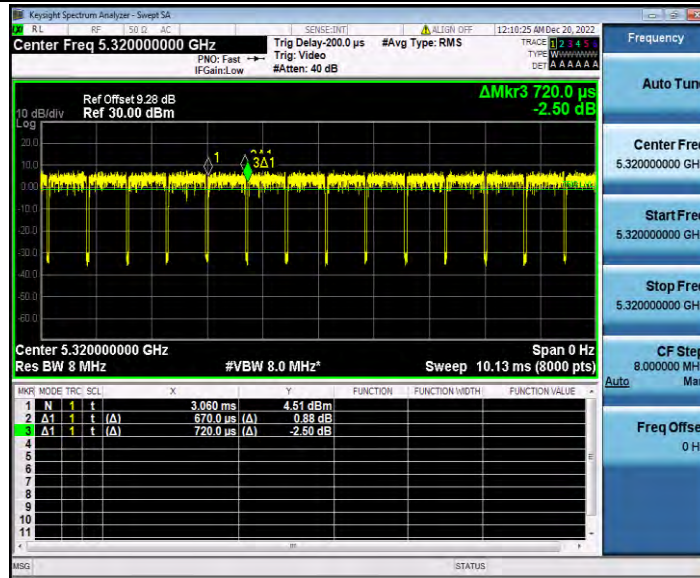
11N20SISO_Ant1_5260



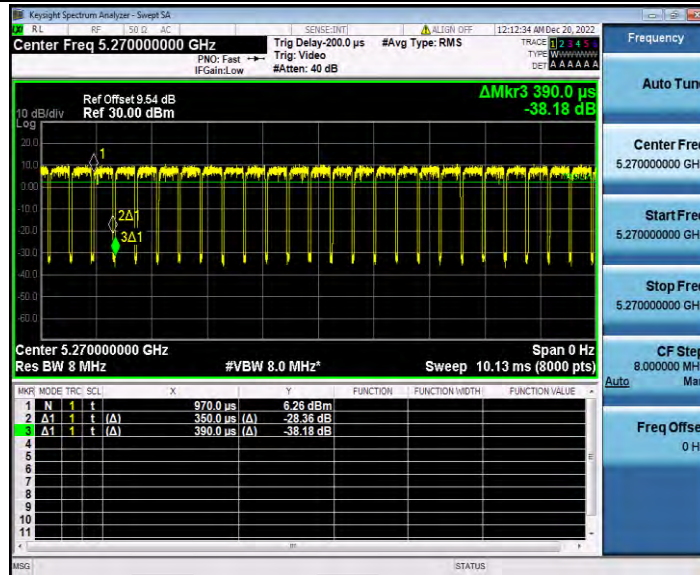
11N20SISO_Ant1_5280



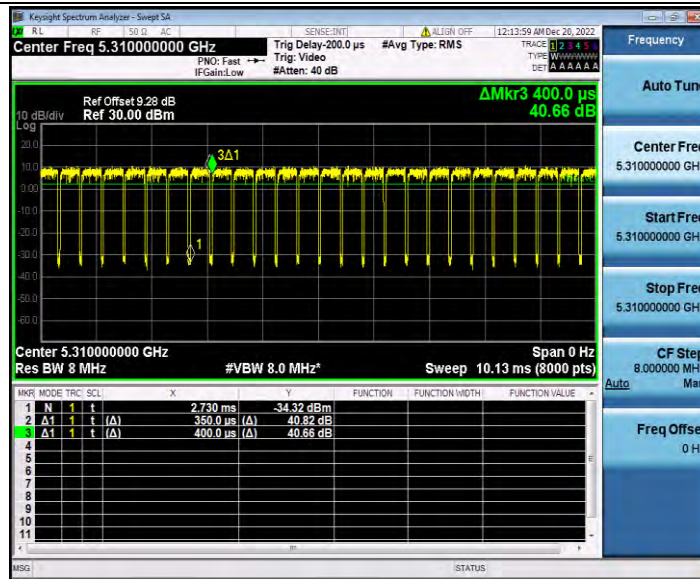
11N20SISO_Ant1_5320



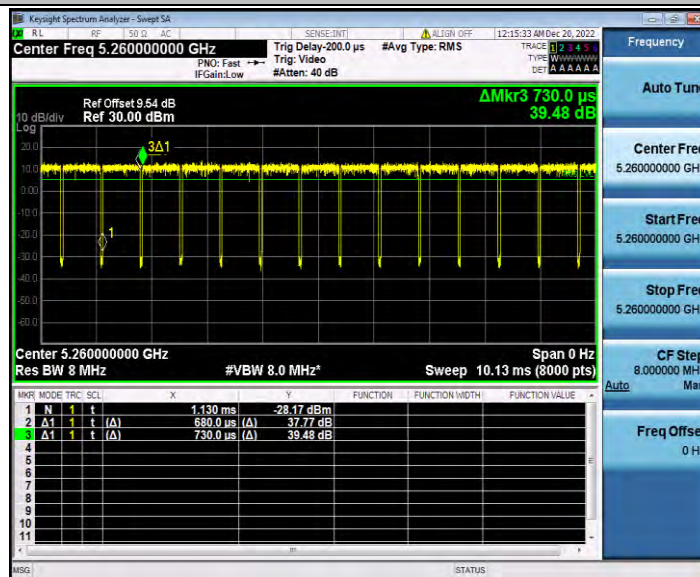
11N40SISO_Ant1_5270



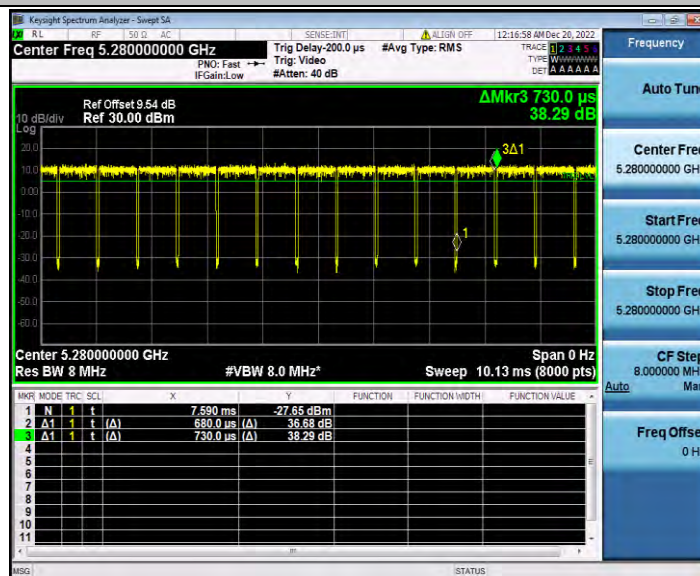
11N40SISO_Ant1_5310



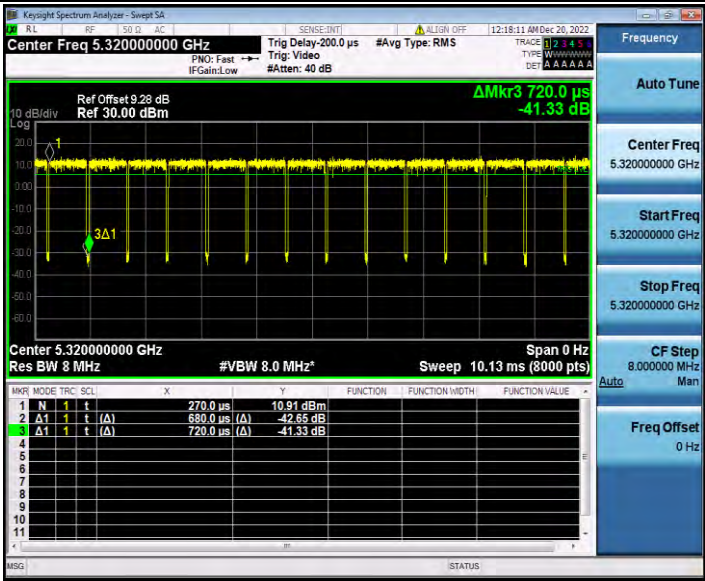
11AC20SISO_Ant1_5260



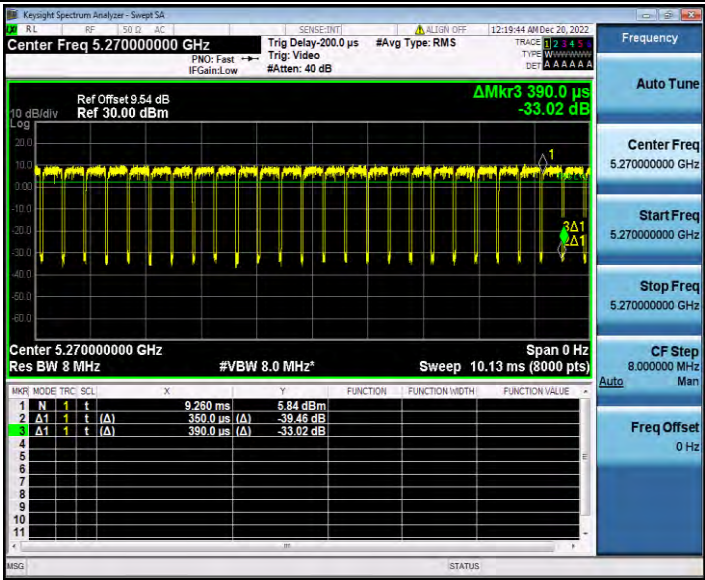
11AC20SISO_Ant1_5280



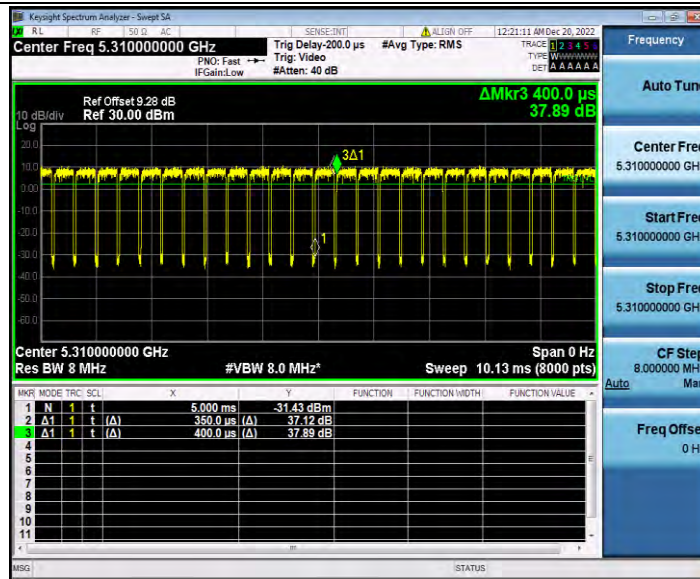
11AC20SISO_Ant1_5320



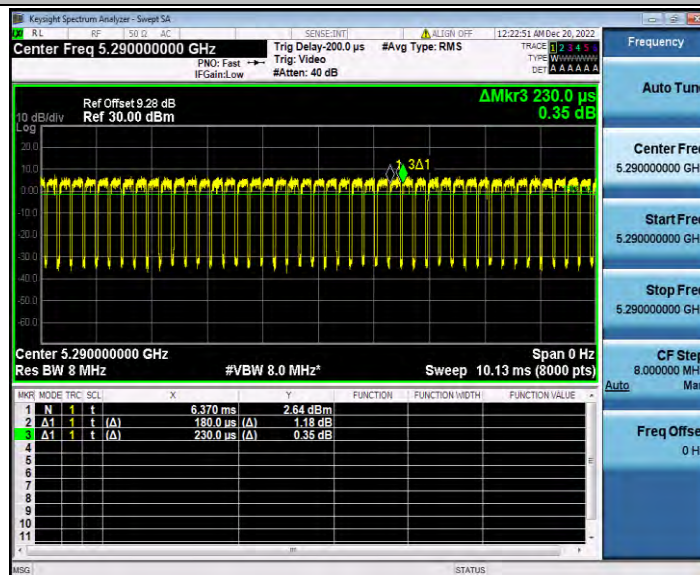
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



Appendix E.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency [MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	14.25	97.22	0.12	14.37	≤23.98	PASS
		5280	13.81	96.53	0.15	13.96	≤23.98	PASS
		5320	14.57	97.22	0.12	14.69	≤23.98	PASS
11N20SISO	Ant1	5260	13.12	94.44	0.25	13.37	≤23.98	PASS
		5280	12.63	93.15	0.31	12.94	≤23.98	PASS
		5320	13.31	93.06	0.31	13.62	≤23.98	PASS
11N40SISO	Ant1	5270	12.82	89.74	0.47	13.29	≤23.98	PASS
		5310	12.80	87.50	0.58	13.38	≤23.98	PASS
11AC20SISO	Ant1	5260	13.19	93.15	0.31	13.50	≤23.98	PASS
		5280	12.73	93.15	0.31	13.04	≤23.98	PASS
		5320	13.26	94.44	0.25	13.51	≤23.98	PASS
11AC40SISO	Ant1	5270	12.72	89.74	0.47	13.19	≤23.98	PASS
		5310	12.87	87.50	0.58	13.45	≤23.98	PASS
11AC80SISO	Ant1	5290	12.04	78.26	1.06	13.10	≤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	3.89	≤11.00	PASS
		5280	3.48	≤11.00	PASS
		5320	4.17	≤11.00	PASS
11N20SISO	Ant1	5260	2.68	≤11.00	PASS
		5280	2.33	≤11.00	PASS
		5320	0.97	≤11.00	PASS
11N40SISO	Ant1	5270	-0.17	≤11.00	PASS
		5310	-0.03	≤11.00	PASS
11AC20SISO	Ant1	5260	2.77	≤11.00	PASS
		5280	2.34	≤11.00	PASS
		5320	2.87	≤11.00	PASS
11AC40SISO	Ant1	5270	-0.23	≤11.00	PASS
		5310	-0.12	≤11.00	PASS
11AC80SISO	Ant1	5290	-3.66	≤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



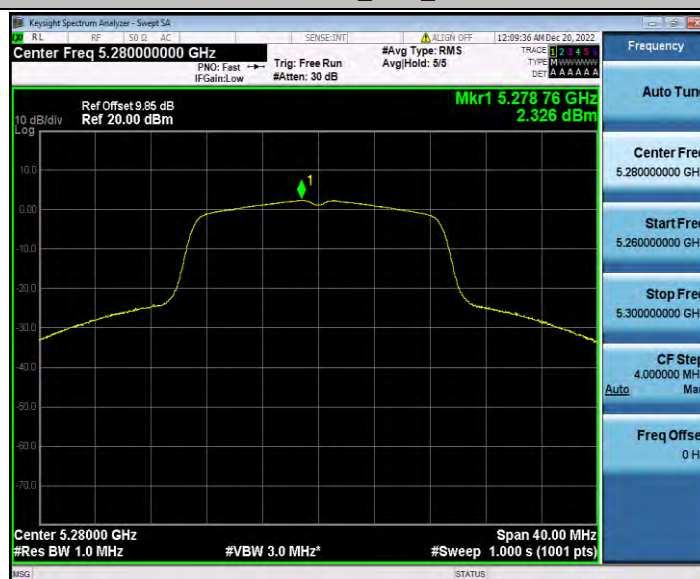
11A_Ant1_5320



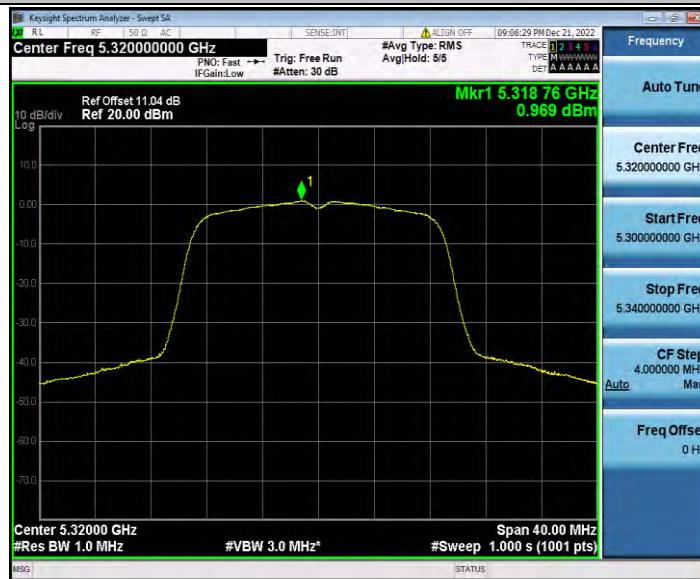
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



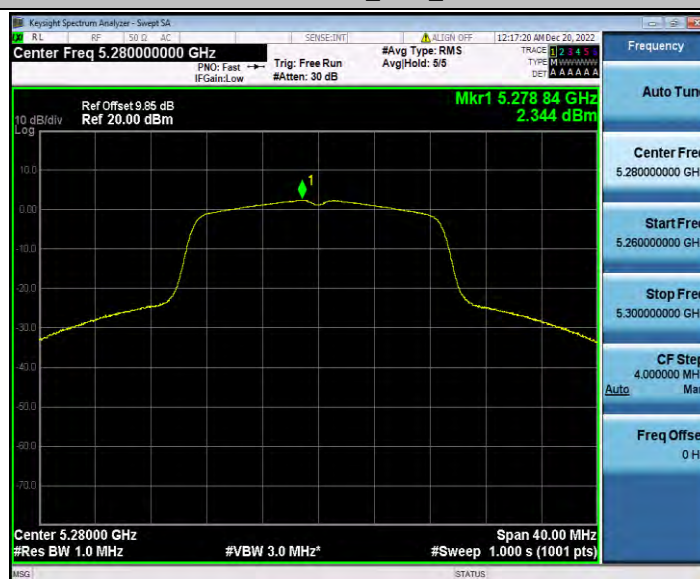
11N40SISO_Ant1_5310



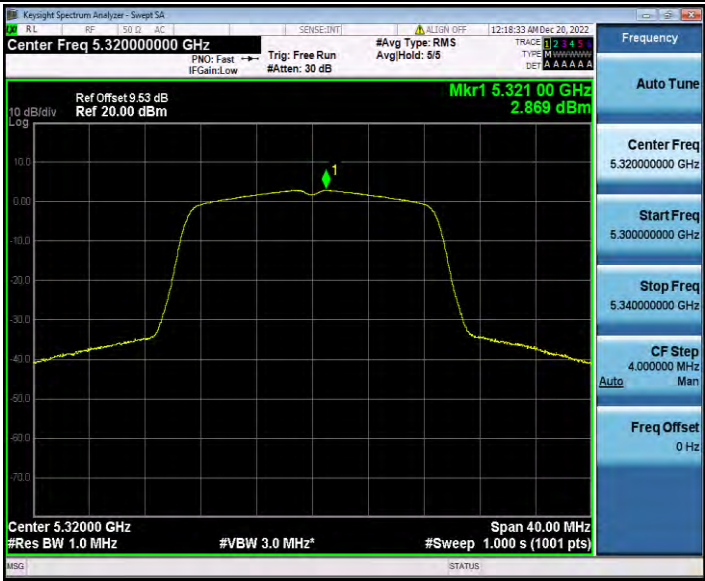
11AC20SISO_Ant1_5260



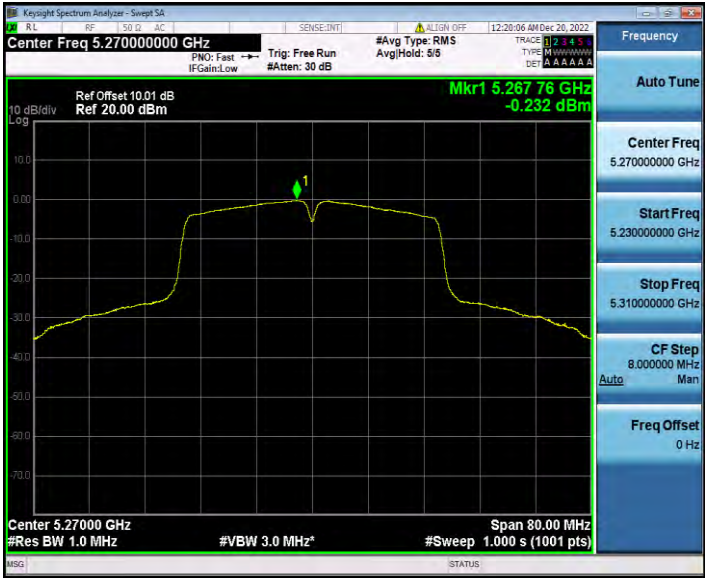
11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



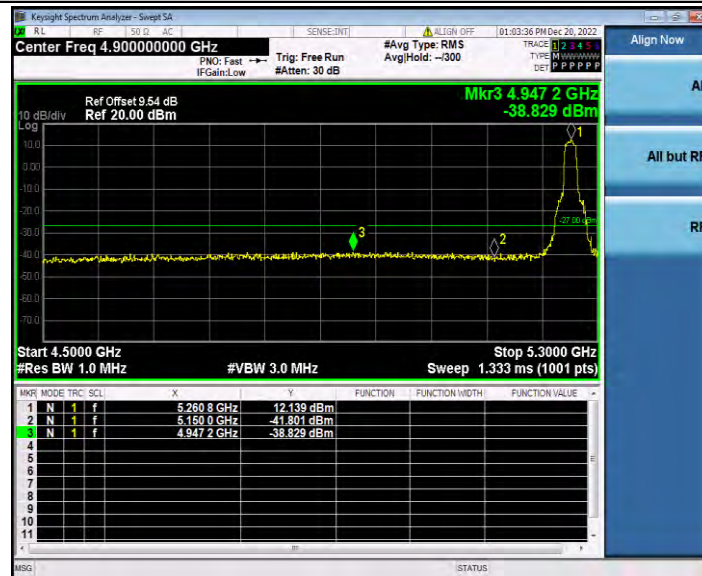
Appendix E.6: Band edge measurements

Test Result B2

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5260	-38.83	≤-27	PASS
		High	5320	-32.62	≤-27	PASS
11N20SISO	Ant1	Low	5260	-38.13	≤-27	PASS
		High	5320	-38.22	≤-27	PASS
11N40SISO	Ant1	Low	5270	-37.97	≤-27	PASS
		High	5310	-28.33	≤-27	PASS
11AC20SISO	Ant1	Low	5260	-37.47	≤-27	PASS
		High	5320	-31.9	≤-27	PASS
11AC40SISO	Ant1	Low	5270	-37.06	≤-27	PASS
		High	5310	-27.52	≤-27	PASS
11AC80SISO	Ant1	Low	5290	-37.67	≤-27	PASS
	Ant1	High	5290	-41.01	≤-27	PASS

Test Graphs B2

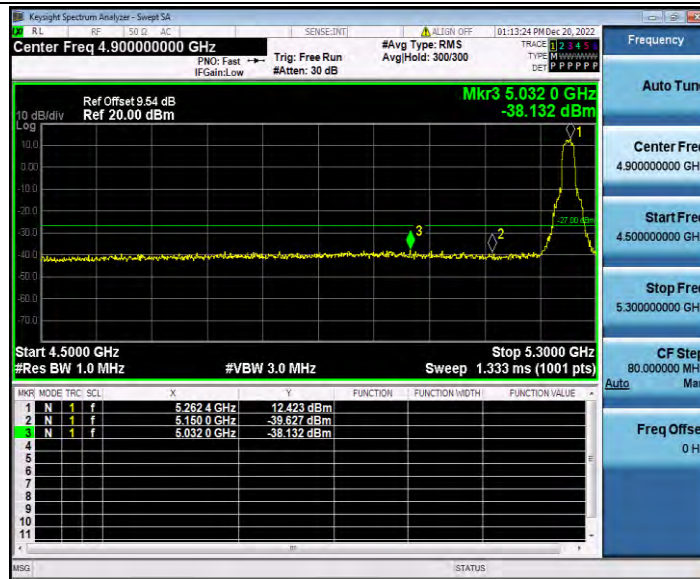
11A_Ant1_Low_5260



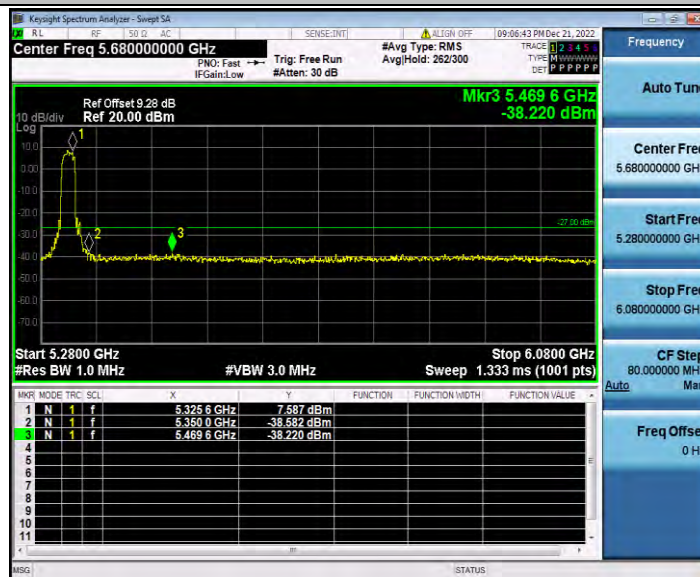
11A_Ant1_High_5320



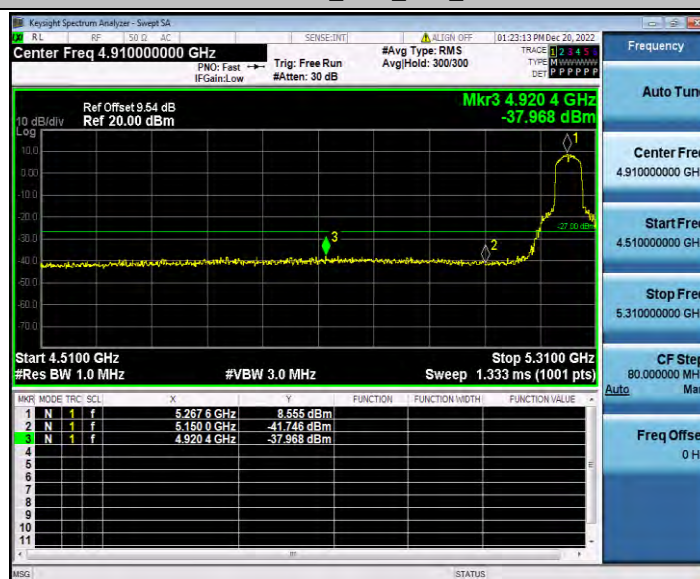
11N20SISO_Ant1_Low_5260



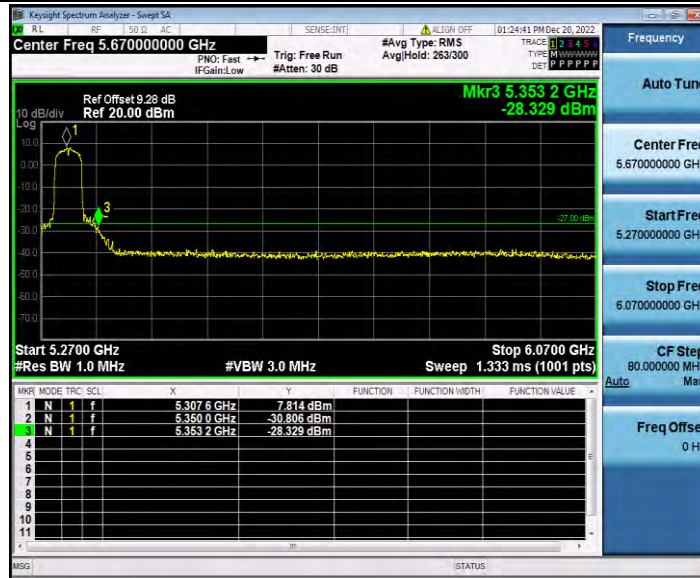
11N20SISO_Ant1_High_5320



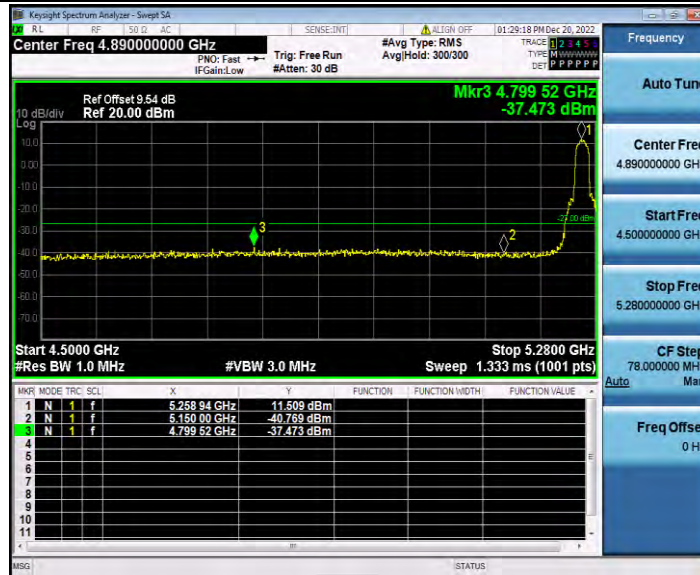
11N40SISO_Ant1_Low_5270



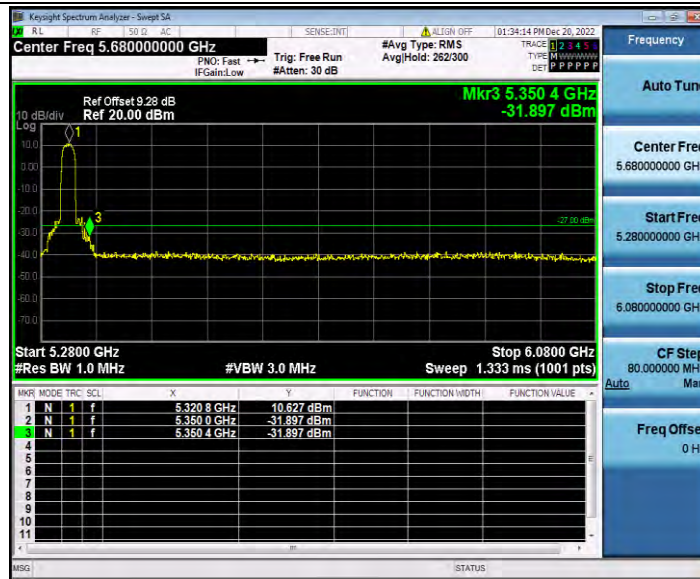
11N40SISO_Ant1_High_5310



11AC20SISO_Ant1_Low_5260



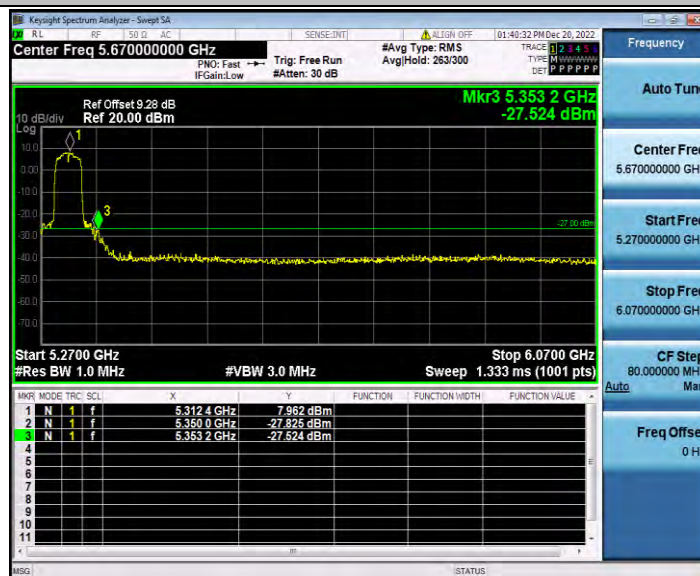
11AC20SISO_Ant1_High_5320



11AC40SISO_Ant1_Low_5270



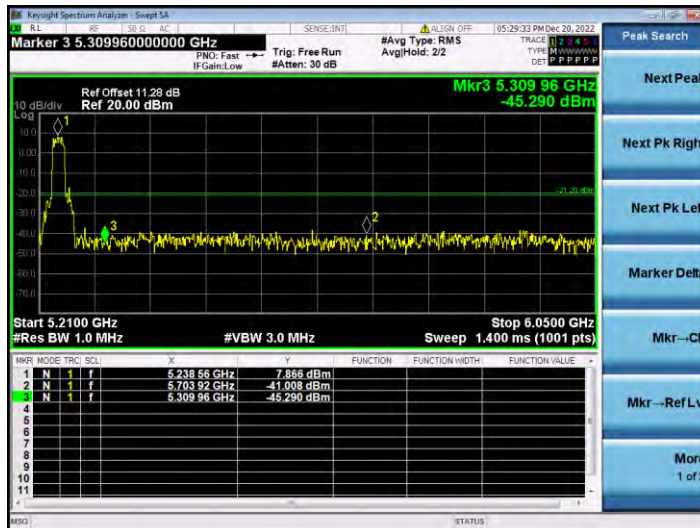
11AC40SISO_Ant1_High_5310



11AC80SISO_Ant1_Low_5290



11AC80SISO_Ant1_High_5290



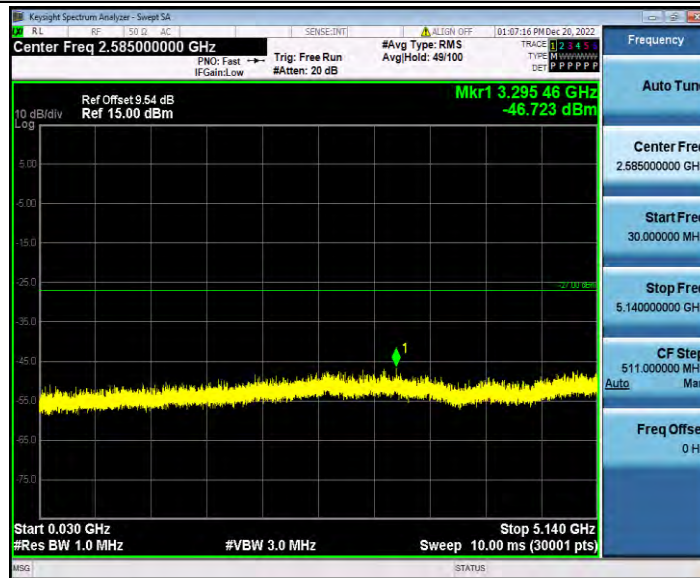
Appendix E.7: Conducted Spurious Emission

Test Result

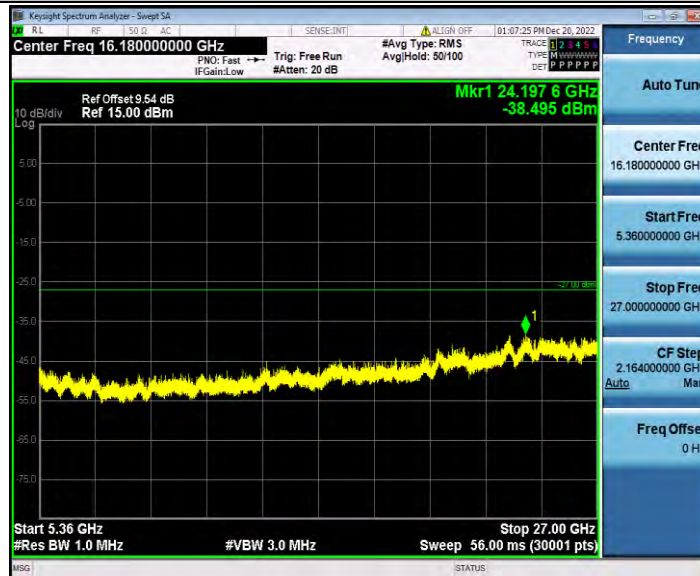
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	30~5140	3295.46	-46.72	≤-27	PASS
			5360~40000	24197.62	-38.5	≤-27	PASS
		5280	30~5140	5003.56	-47.07	≤-27	PASS
			5360~40000	24723.47	-37.55	≤-27	PASS
		5320	30~5140	2659.61	-47.37	≤-27	PASS
			5360~40000	5360.72	-37.93	≤-27	PASS
11N20SISO	Ant1	5260	30~5140	2659.95	-46.05	≤-27	PASS
			5360~40000	26070.92	-38.5	≤-27	PASS
		5280	30~5140	3172.14	-47.02	≤-27	PASS
			5360~40000	23598.91	-37.96	≤-27	PASS
		5320	30~5140	2679.54	-46.08	≤-27	PASS
			5360~40000	5360.72	-38.96	≤-27	PASS
11N40SISO	Ant1	5270	30~5140	2661.65	-46.77	≤-27	PASS
			5360~40000	25550.84	-38.63	≤-27	PASS
		5310	30~5140	4964.56	-46.93	≤-27	PASS
			5360~40000	5360.72	-33.98	≤-27	PASS
11AC20SISO	Ant1	5260	30~5140	3057.68	-46.85	≤-27	PASS
			5360~40000	24237.29	-38.39	≤-27	PASS
		5280	30~5140	2718.54	-47.1	≤-27	PASS
			5360~40000	25099.29	-38.07	≤-27	PASS
		5320	30~5140	4892.17	-46.54	≤-27	PASS
			5360~40000	24868.46	-38	≤-27	PASS
11AC40SISO	Ant1	5270	30~5140	2516.53	-45.95	≤-27	PASS
			5360~40000	23495.76	-38.37	≤-27	PASS
		5310	30~5140	2761.12	-47.82	≤-27	PASS
			5360~40000	5361.44	-32.96	≤-27	PASS
11AC80SISO	Ant1	5290	30~5140	5139.49	-43.85	≤-27	PASS
			5360~40000	5373.71	-28.2	≤-27	PASS

Test Graphs

11A_Ant1_5260_30~5140



11A_Ant1_5260_5360~40000



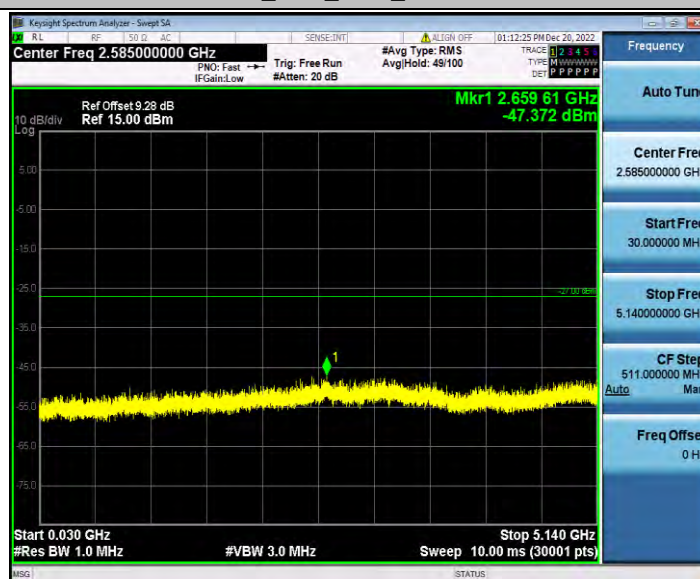
11A_Ant1_5280_30~5140



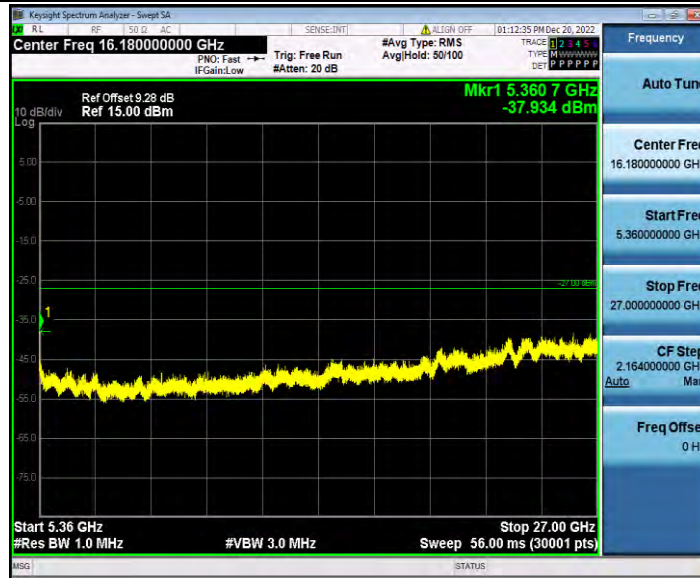
11A_Ant1_5280_5360~40000



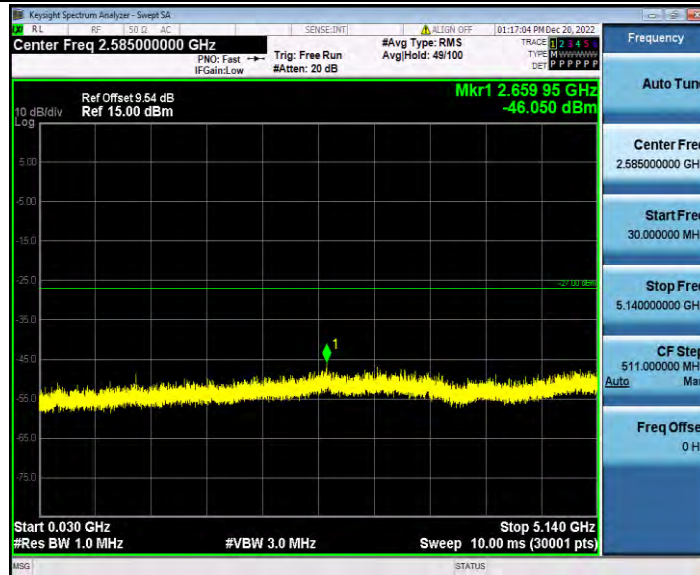
11A_Ant1_5320_30~5140



11A_Ant1_5320_5360~40000



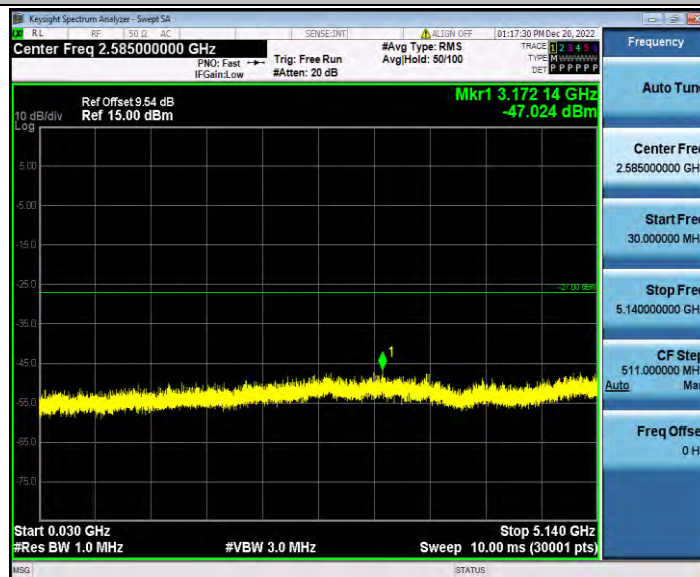
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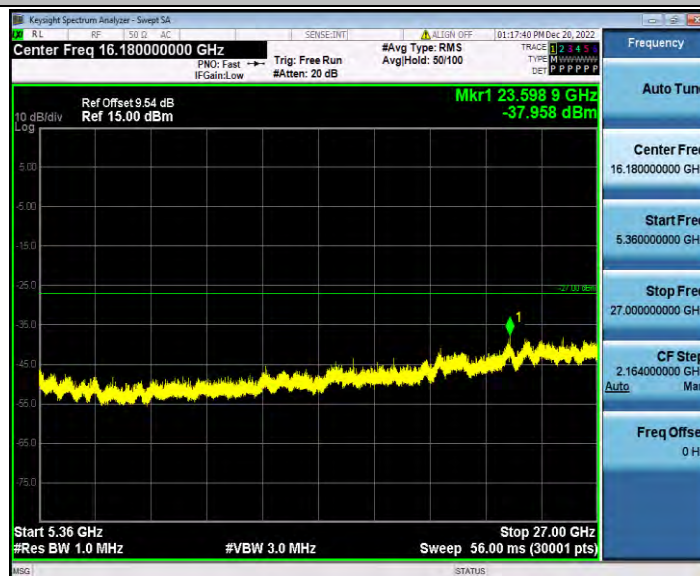
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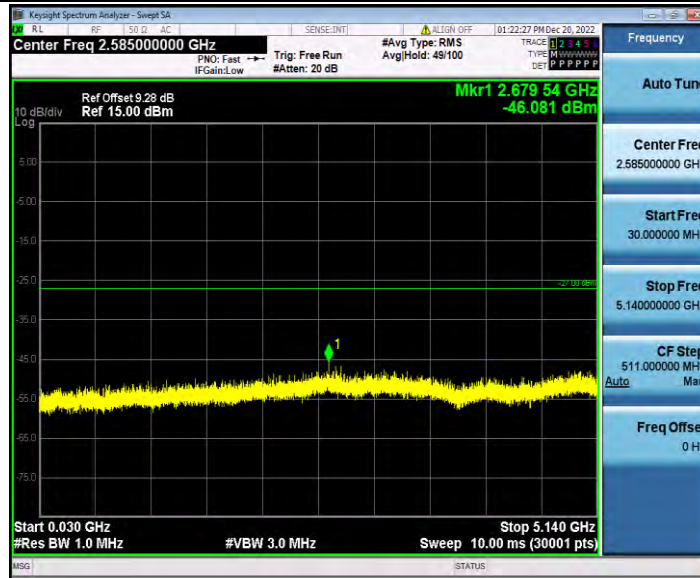
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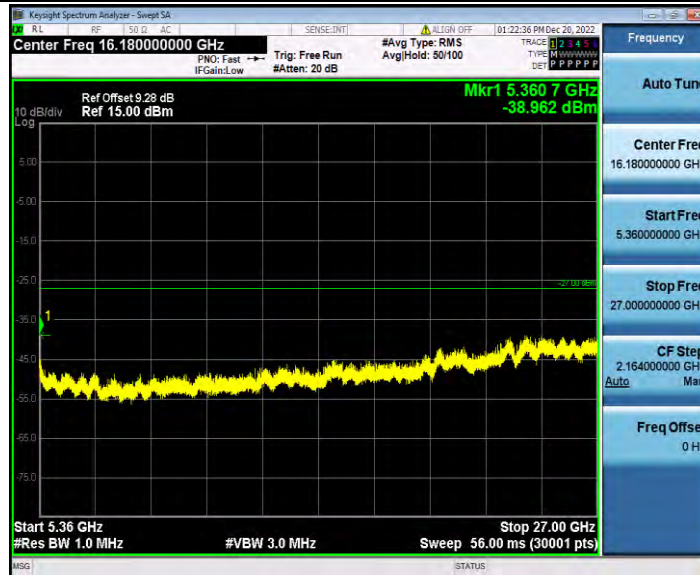
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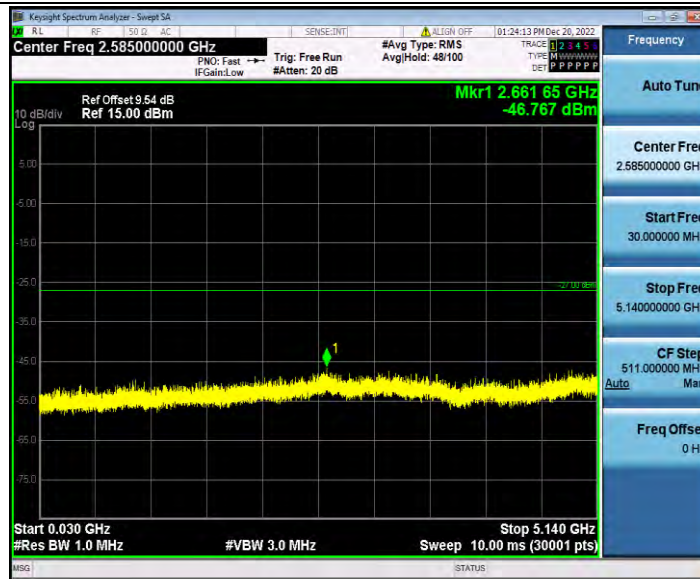
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11N20SISO_Ant1_5320_5360~40000



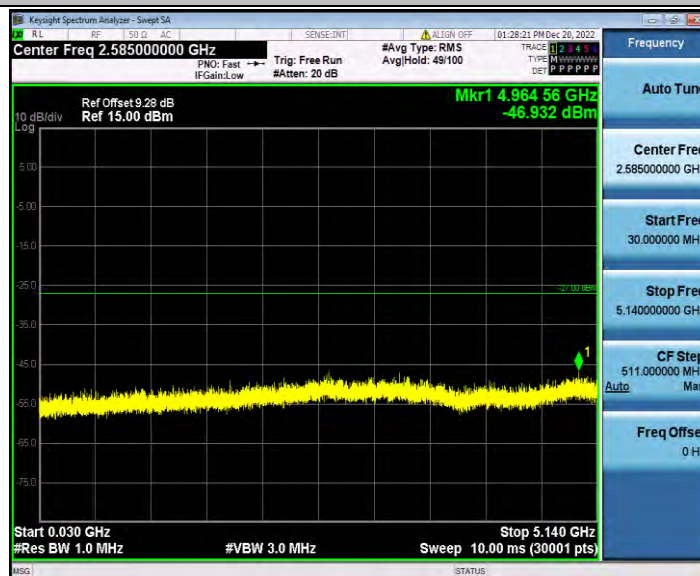
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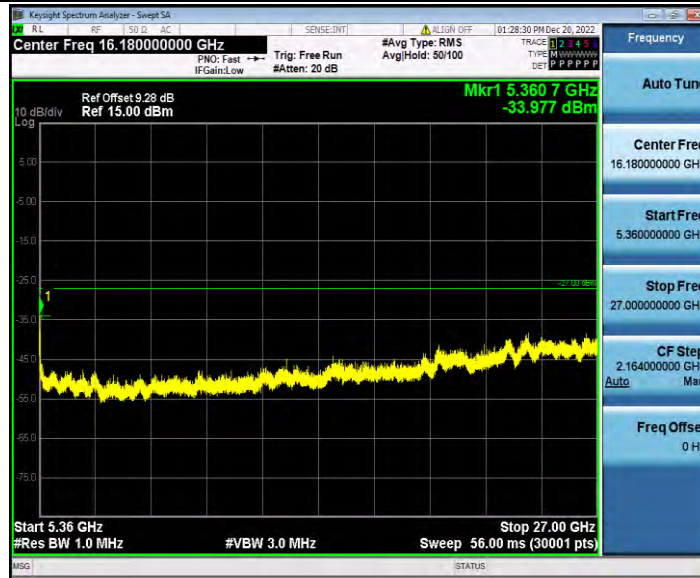
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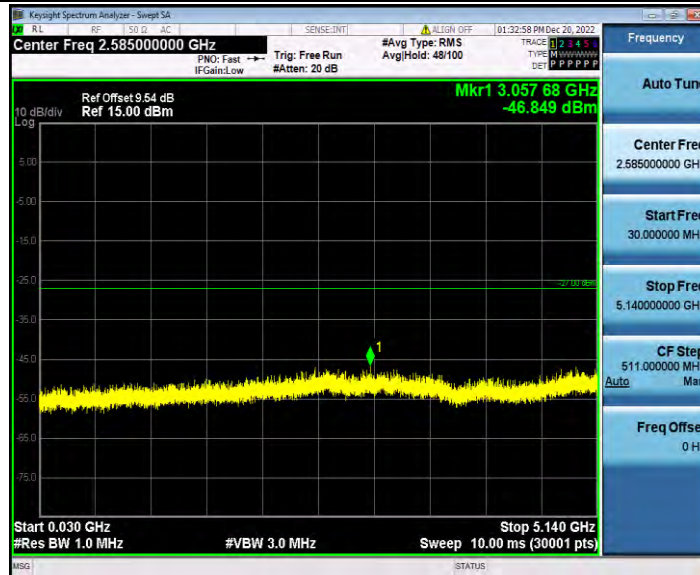
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11N40SISO_Ant1_5310_5360~40000



11AC20SISO_Ant1_5260_30~5140



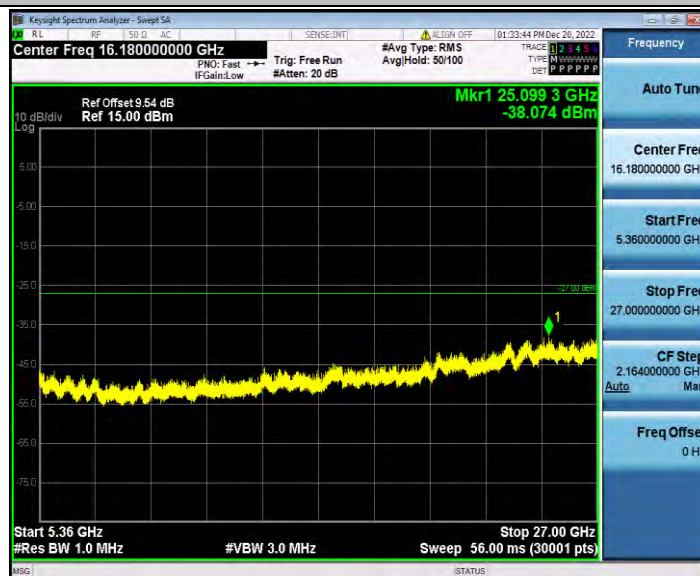
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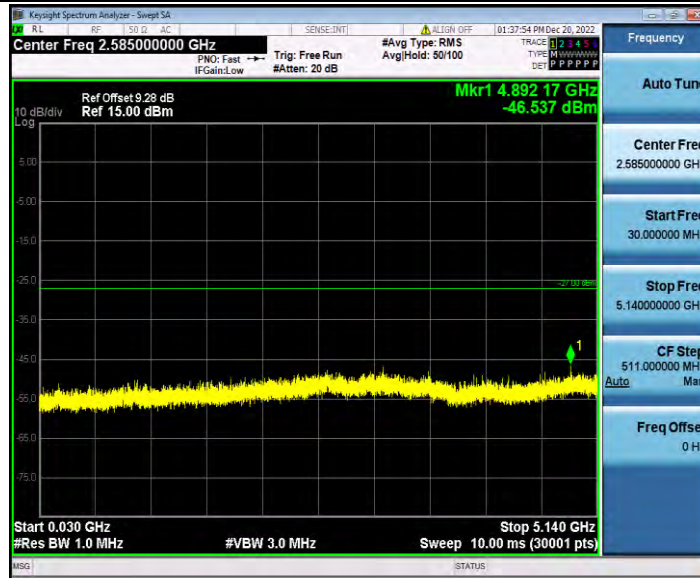
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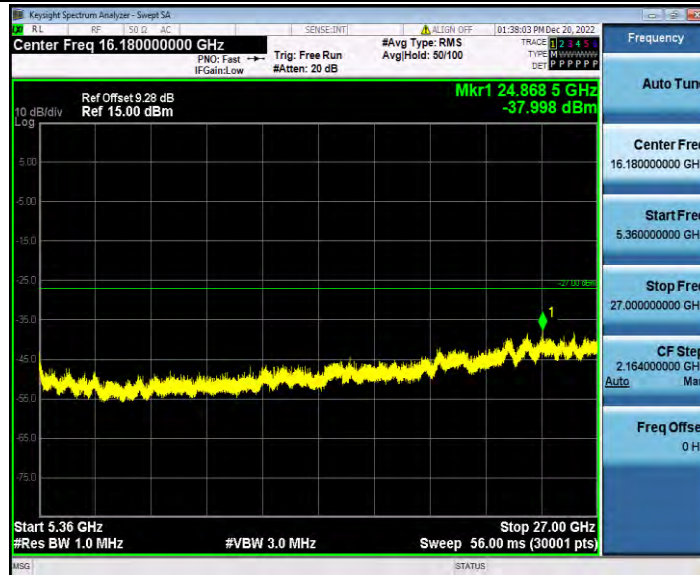
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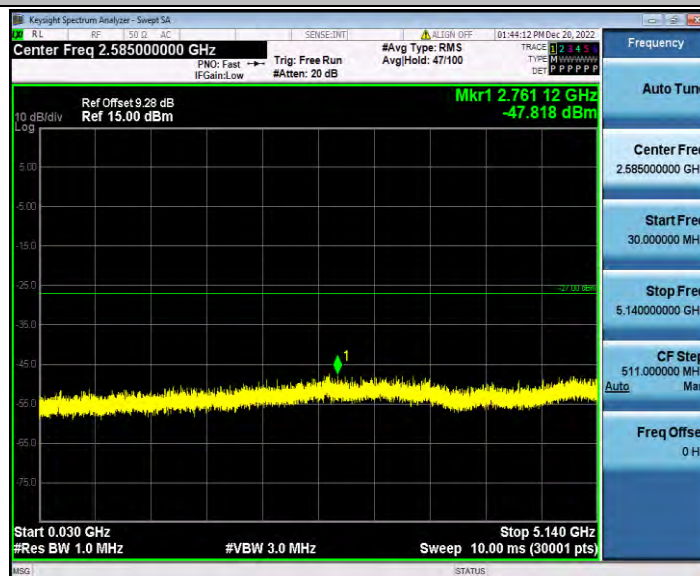
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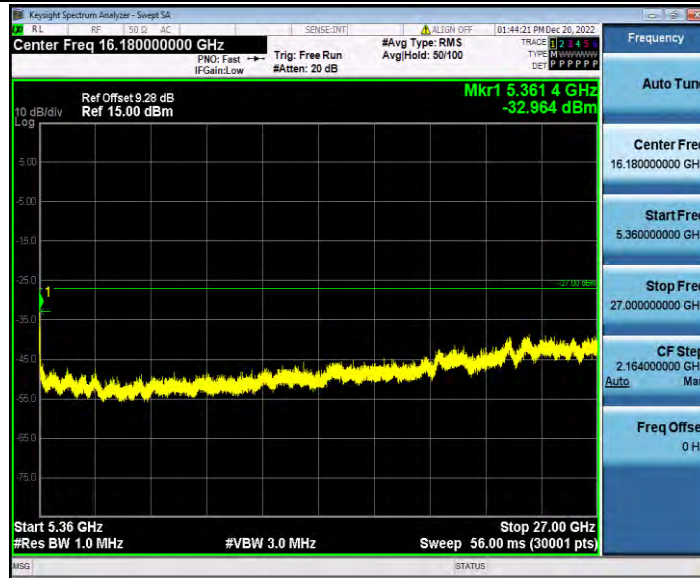
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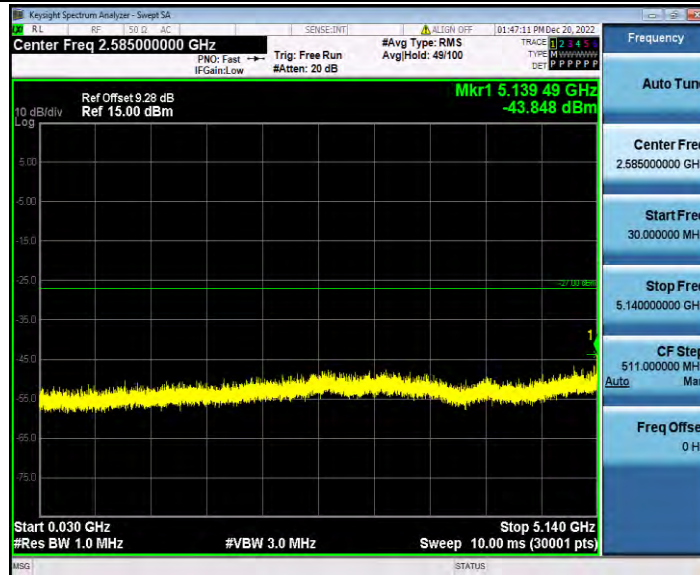
11AC40SISO_Ant1_5310_30~5140



11AC40SISO_Ant1_5310_5360~40000



11AC80SISO_Ant1_5290_30~5140



11AC80SISO_Ant1_5290_5360~40000

