

Case No. : GTS20220920004-2-13	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2022.12.19	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	35.760	5242.800	5278.560	---	---
		5280	35.840	5261.840	5297.680	---	---
		5320	27.720	5305.760	5333.480	---	---
11N20SISO	Ant1	5260	28.880	5245.880	5274.760	---	---
		5280	24.320	5268.240	5292.560	---	---
		5320	20.240	5309.880	5330.120	---	---
11N40SISO	Ant1	5270	51.760	5244.560	5296.320	---	---
		5310	40.320	5289.920	5330.240	---	---
11AC20SISO	Ant1	5260	25.080	5247.040	5272.120	---	---
		5280	26.880	5267.320	5294.200	---	---
		5320	20.280	5309.880	5330.160	---	---
11AC40SISO	Ant1	5270	61.120	5237.200	5298.320	---	---
		5310	41.040	5289.360	5330.400	---	---
11AC80SISO	Ant1	5290	80.800	5249.520	5330.320	---	---

Test Graphs

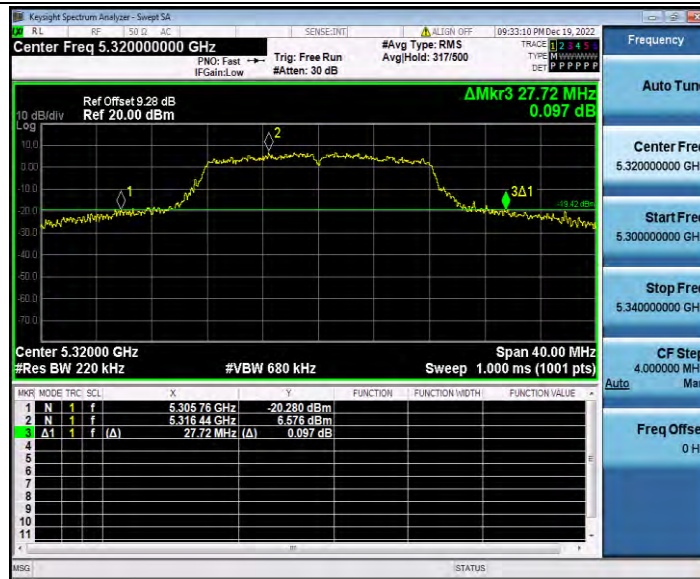
11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320



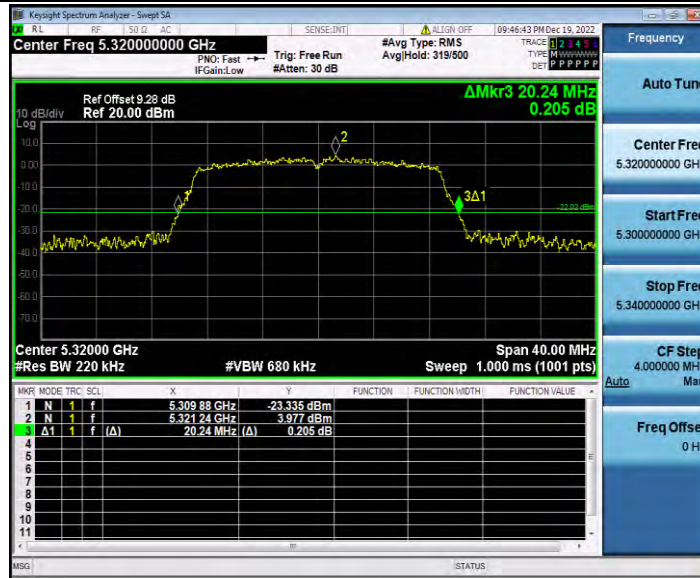
11N20SISO_Ant1_5260



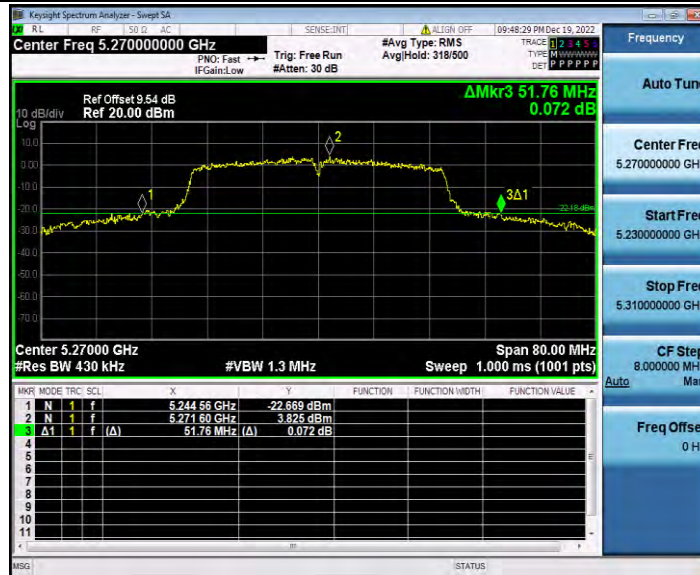
11N20SISO_Ant1_5280



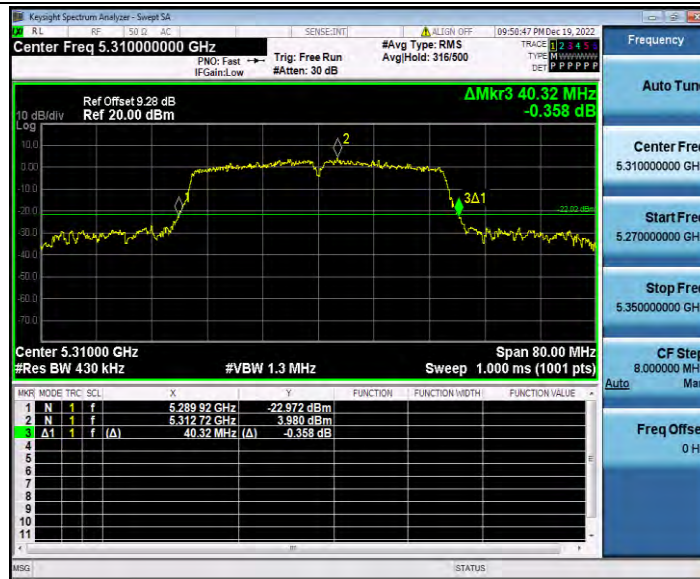
11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



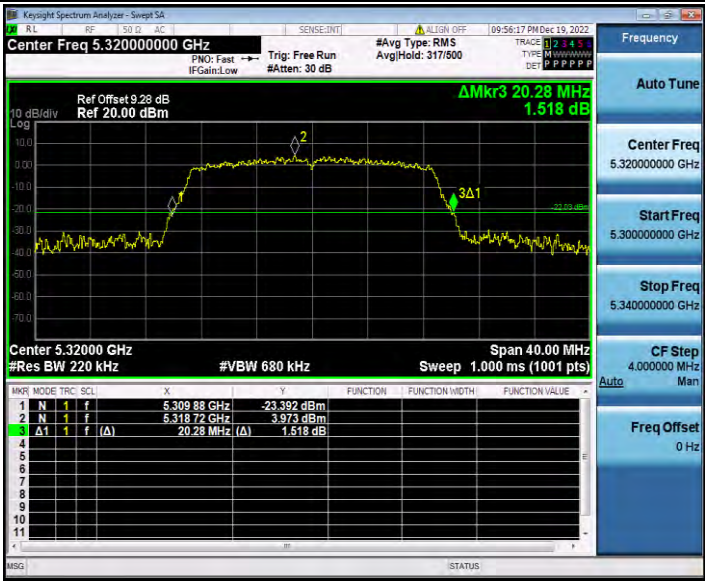
11AC20SISO_Ant1_5260



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	19.447	5250.268	5269.715	---	---
		5280	19.584	5270.081	5289.665	---	---
		5320	17.576	5311.171	5328.747	---	---
11N20SISO	Ant1	5260	17.731	5251.070	5268.801	---	---
		5280	18.253	5270.827	5289.080	---	---
		5320	17.865	5311.051	5328.916	---	---
11N40SISO	Ant1	5270	36.835	5251.537	5288.372	---	---
		5310	36.403	5291.824	5328.227	---	---
11AC20SISO	Ant1	5260	18.245	5250.860	5269.105	---	---
		5280	18.259	5270.848	5289.107	---	---
		5320	17.860	5311.064	5328.924	---	---
11AC40SISO	Ant1	5270	36.800	5251.537	5288.337	---	---
		5310	36.333	5291.855	5328.188	---	---
11AC80SISO	Ant1	5290	75.569	5252.218	5327.787	---	---

Test Graphs

11A_Ant1_5260



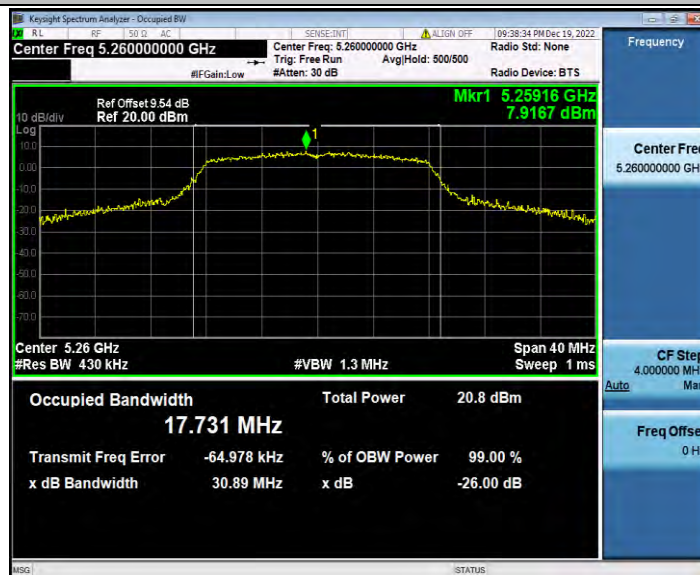
11A_Ant1_5280



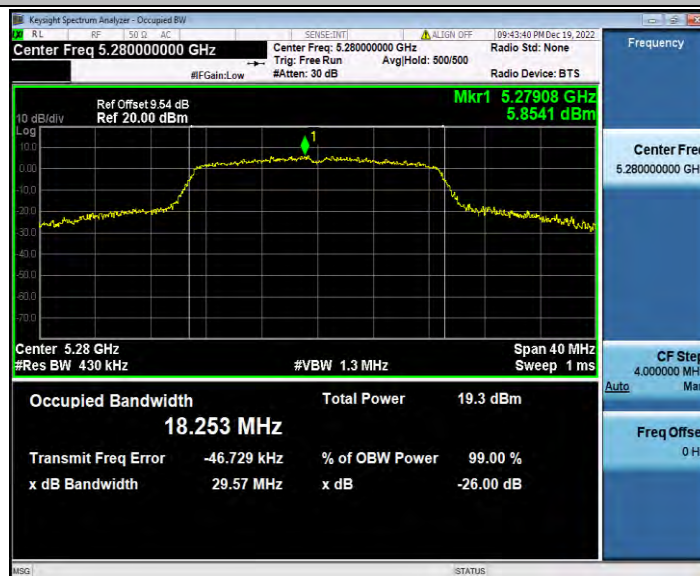
11A_Ant1_5320



11N20SISO_Ant1_5260



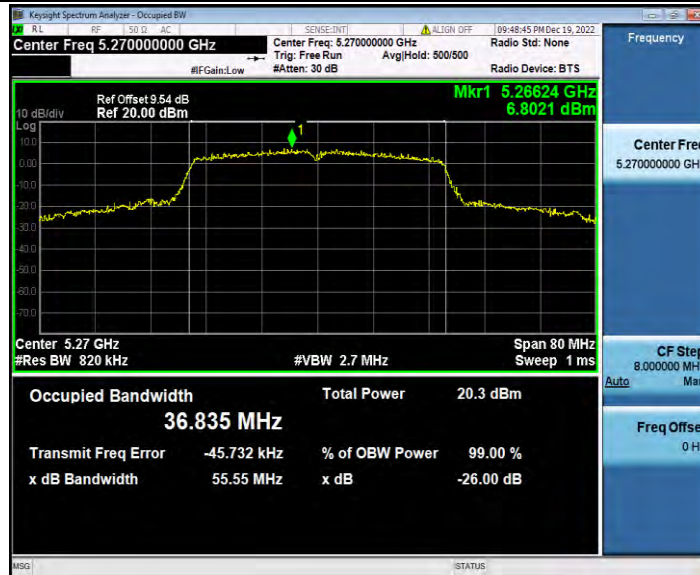
11N20SISO_Ant1_5280



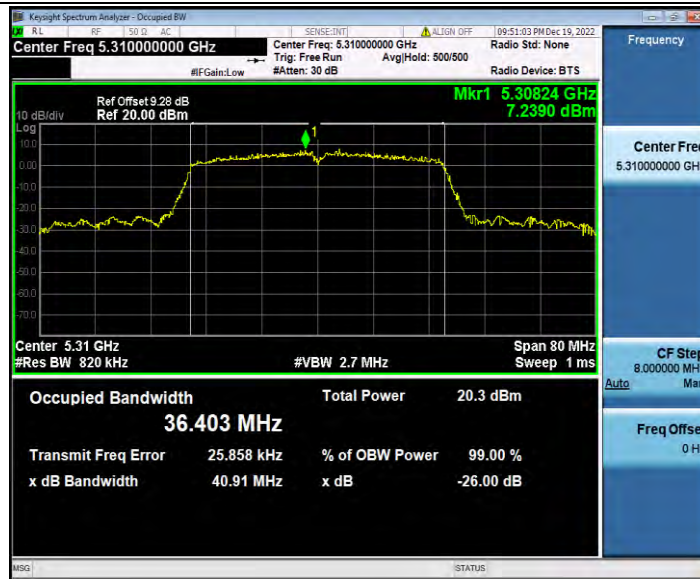
11N20SISO_Ant1_5320



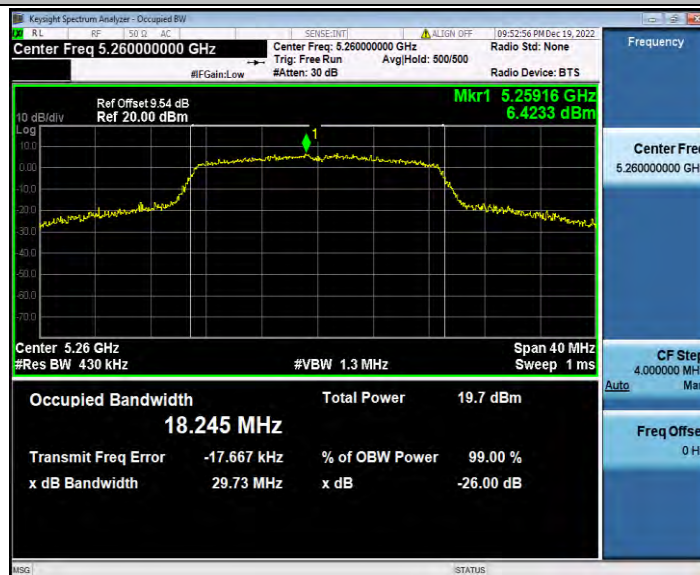
11N40SISO_Ant1_5270



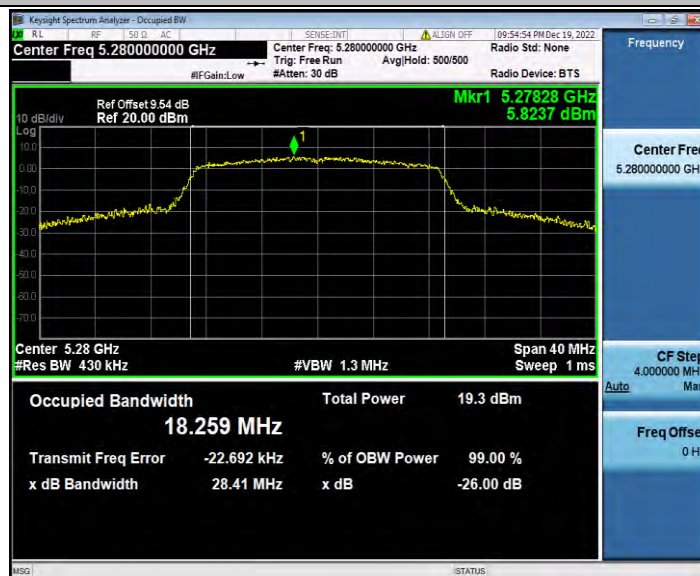
11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



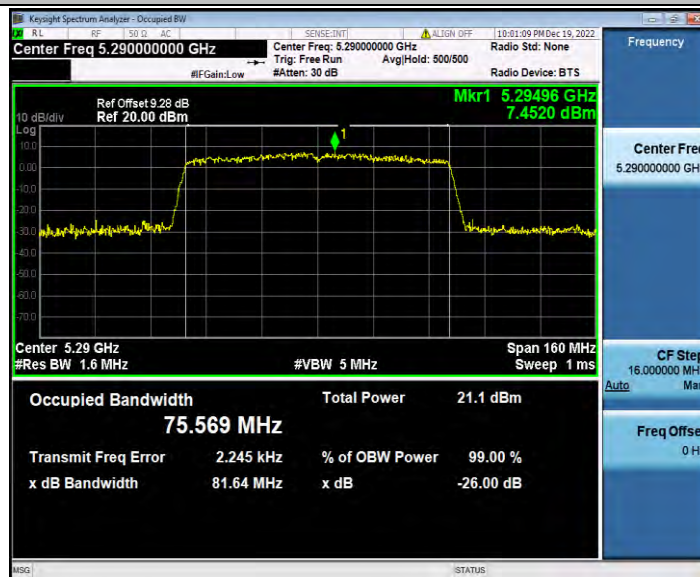
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



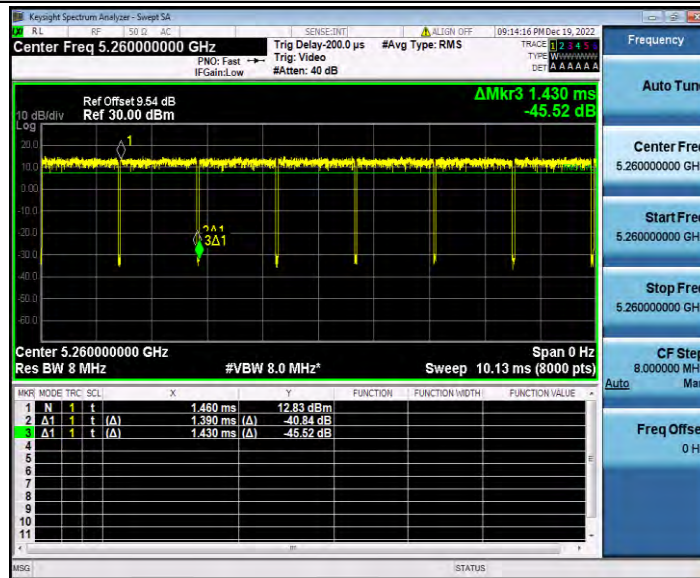
Appendix E.3: Duty Cycle

Test Result

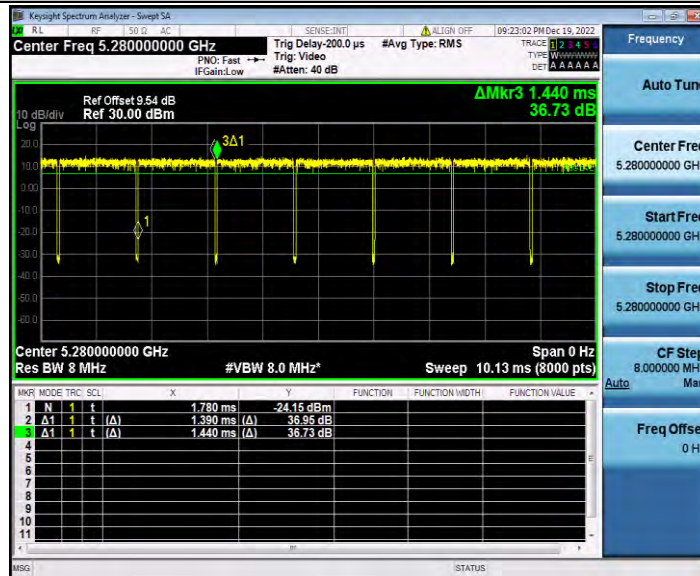
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5260	1.39	1.43	97.20
		5280	1.39	1.44	96.53
		5320	1.39	1.44	96.53
11N20SISO	Ant1	5260	1.39	1.43	97.20
		5280	1.30	1.35	96.30
		5320	1.30	1.34	97.01
11N40SISO	Ant1	5270	0.34	0.39	87.18
		5310	0.34	0.38	89.47
11AC20SISO	Ant1	5260	0.67	0.72	93.06
		5280	0.68	0.73	93.15
		5320	0.68	0.73	93.15
11AC40SISO	Ant1	5270	0.36	0.40	90.00
		5310	0.36	0.40	90.00
11AC80SISO	Ant1	5290	0.19	0.24	79.17

Test Graphs

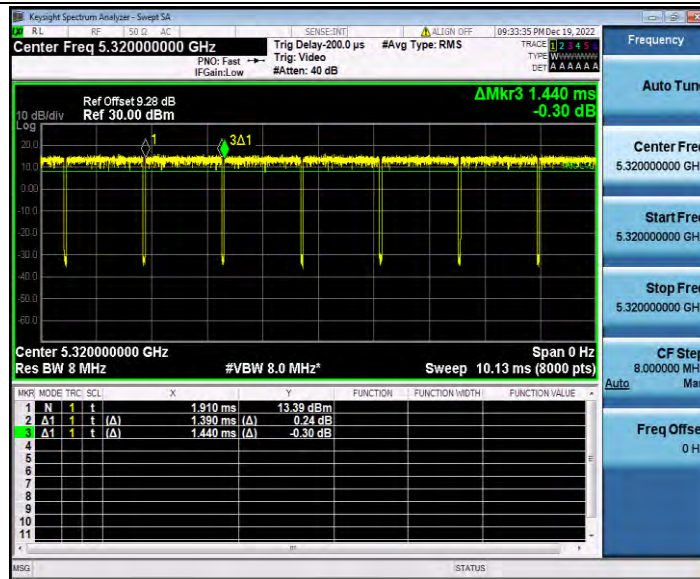
11A_Ant1_5260



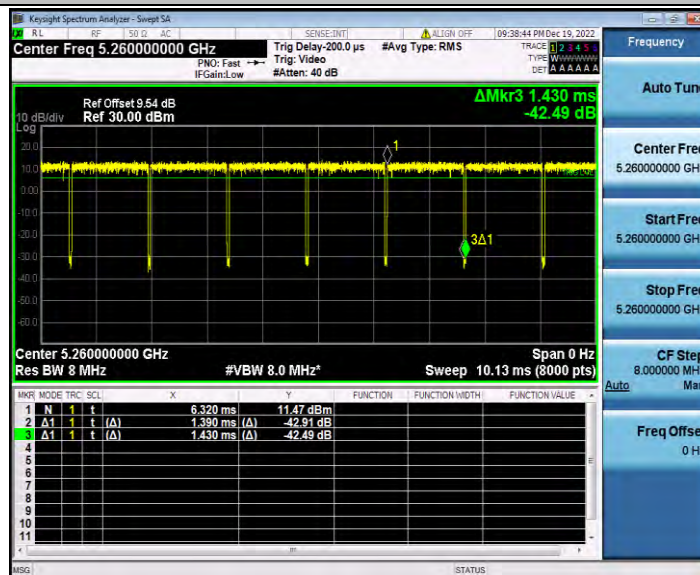
11A_Ant1_5280



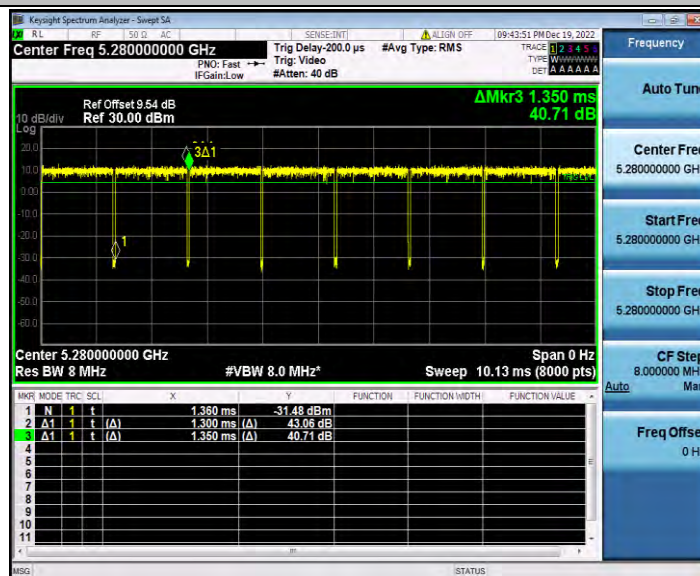
11A_Ant1_5320



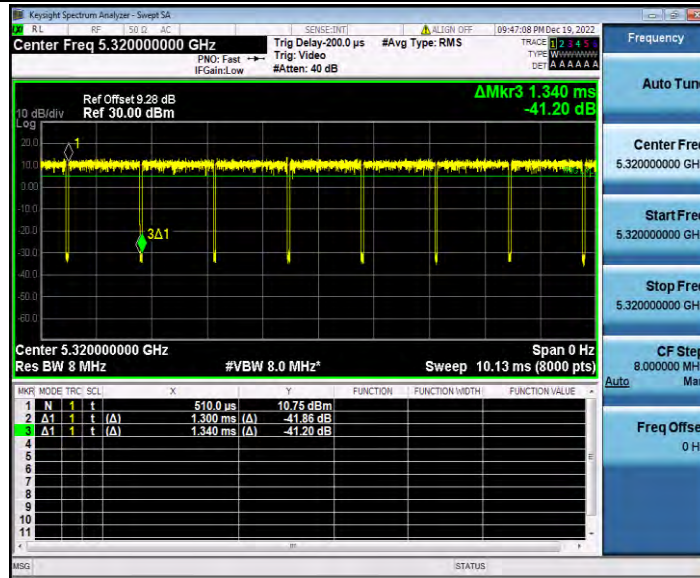
11N20SISO_Ant1_5260



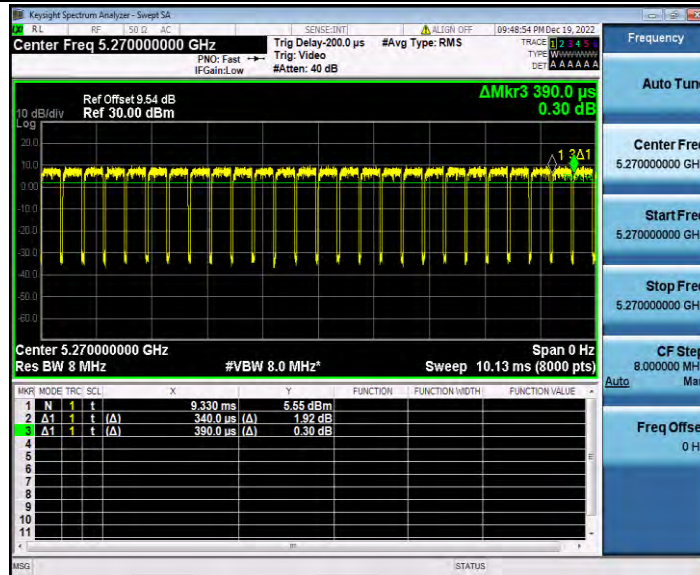
11N20SISO_Ant1_5280



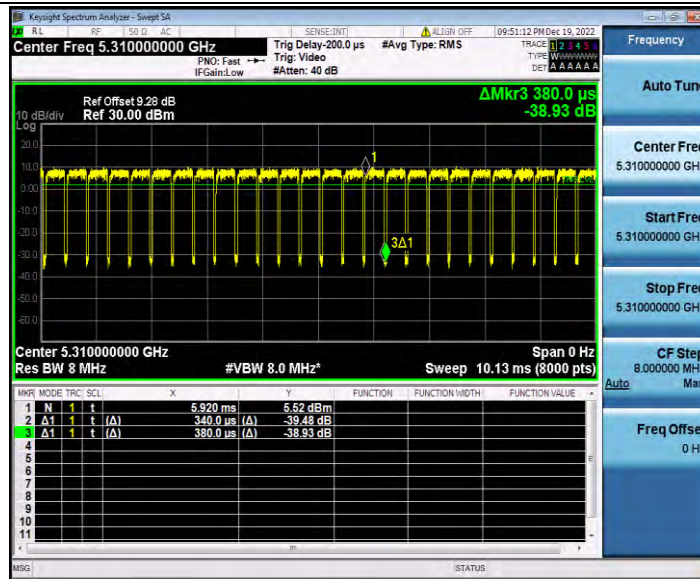
11N20SISO_Ant1_5320



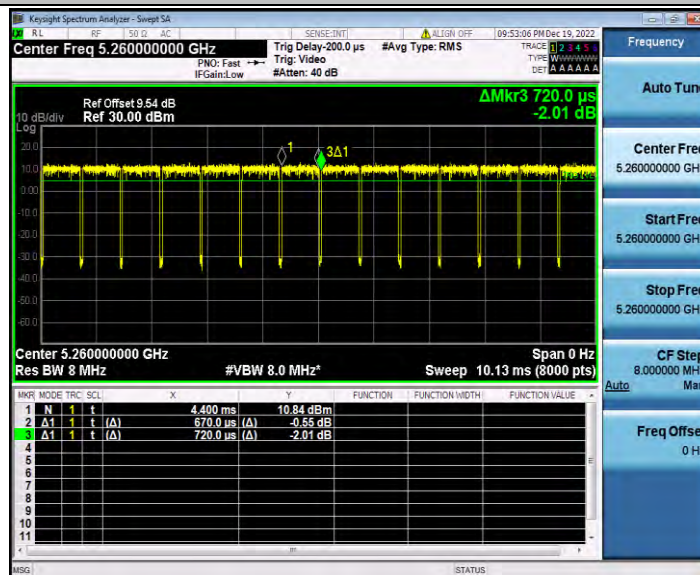
11N40SISO_Ant1_5270



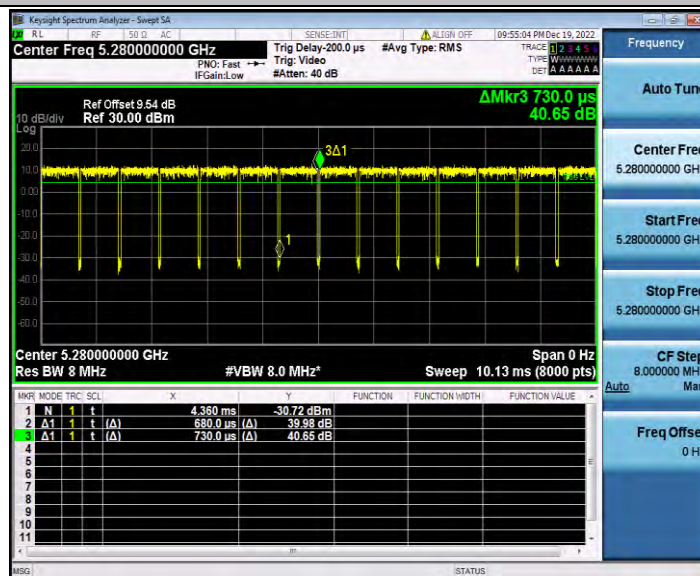
11N40SISO_Ant1_5310



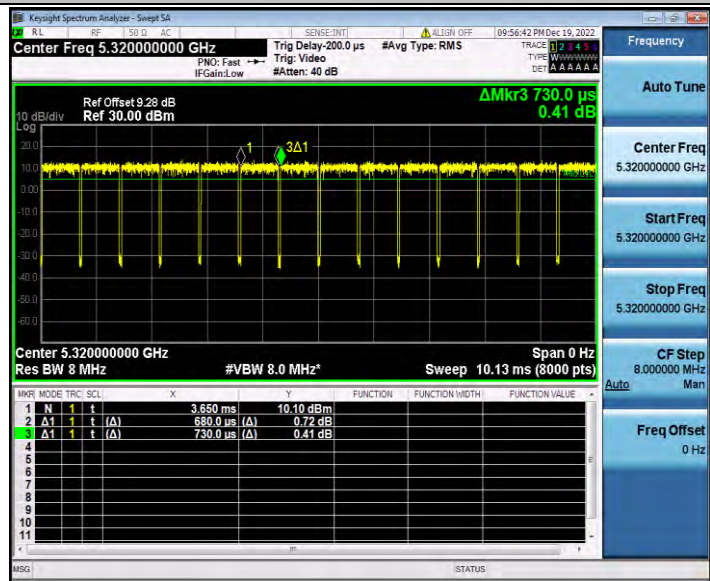
11AC20SISO_Ant1_5260



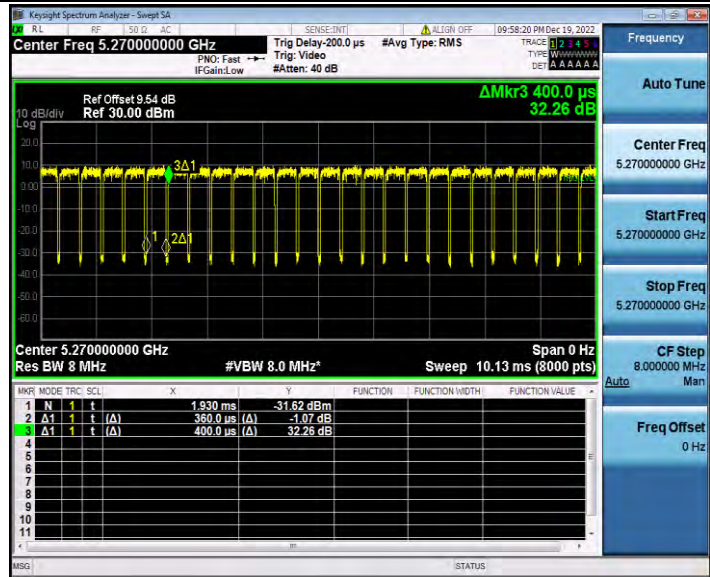
11AC20SISO_Ant1_5280



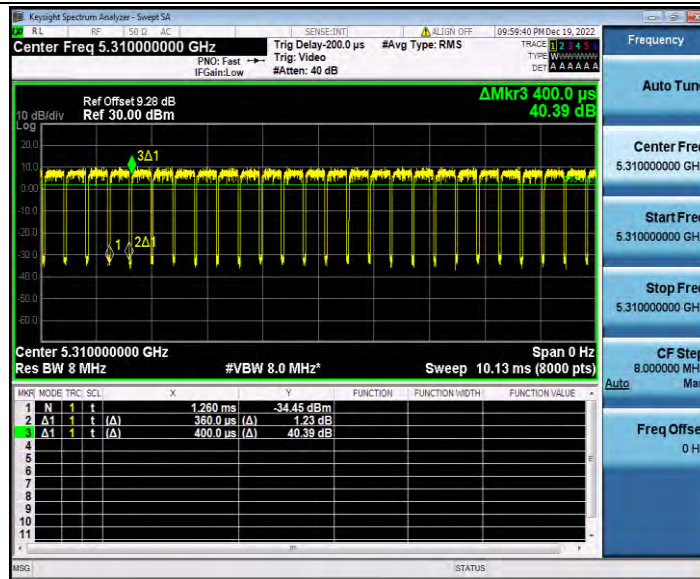
11AC20SISO_Ant1_5320



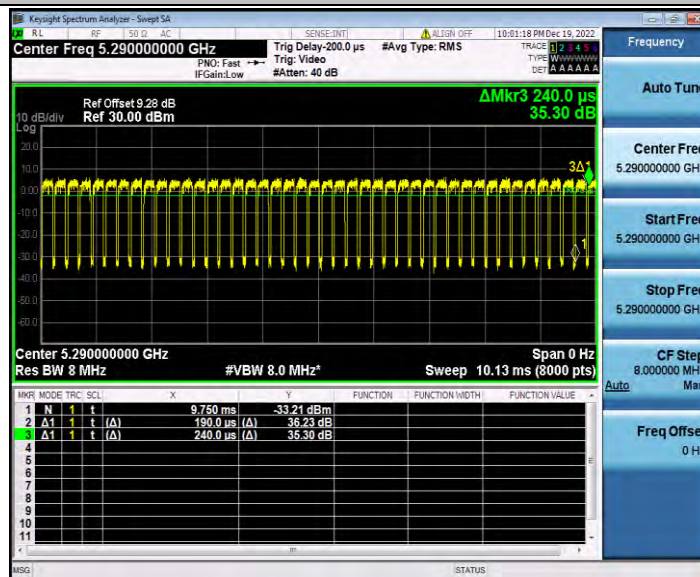
11AC40SISO_Ant1_5270



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	14.79	97.20	0.12	14.91	≤23.98	PASS
		5280	14.31	96.53	0.15	14.46	≤23.98	PASS
		5320	15.77	96.53	0.15	15.92	≤23.98	PASS
11N20SISO	Ant1	5260	13.79	97.20	0.12	13.91	≤23.98	PASS
		5280	12.29	96.30	0.16	12.45	≤23.98	PASS
		5320	12.99	97.01	0.13	13.12	≤23.98	PASS
11N40SISO	Ant1	5270	12.33	87.18	0.60	12.93	≤23.98	PASS
		5310	12.38	89.47	0.48	12.86	≤23.98	PASS
11AC20SISO	Ant1	5260	12.65	93.06	0.31	12.96	≤23.98	PASS
		5280	12.25	93.15	0.31	12.56	≤23.98	PASS
		5320	12.96	93.15	0.31	13.27	≤23.98	PASS
11AC40SISO	Ant1	5270	12.20	90.00	0.46	12.66	≤23.98	PASS
		5310	12.40	90.00	0.46	12.86	≤23.98	PASS
11AC80SISO	Ant1	5290	11.51	79.17	1.01	12.52	≤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	4.36	≤11.00	PASS
		5280	3.93	≤11.00	PASS
		5320	5.4	≤11.00	PASS
11N20SISO	Ant1	5260	3.43	≤11.00	PASS
		5280	1.71	≤11.00	PASS
		5320	2.5	≤11.00	PASS
11N40SISO	Ant1	5270	-0.55	≤11.00	PASS
		5310	-0.66	≤11.00	PASS
11AC20SISO	Ant1	5260	2.26	≤11.00	PASS
		5280	1.83	≤11.00	PASS
		5320	2.49	≤11.00	PASS
11AC40SISO	Ant1	5270	-0.89	≤11.00	PASS
		5310	-0.74	≤11.00	PASS
11AC80SISO	Ant1	5290	-4.34	≤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



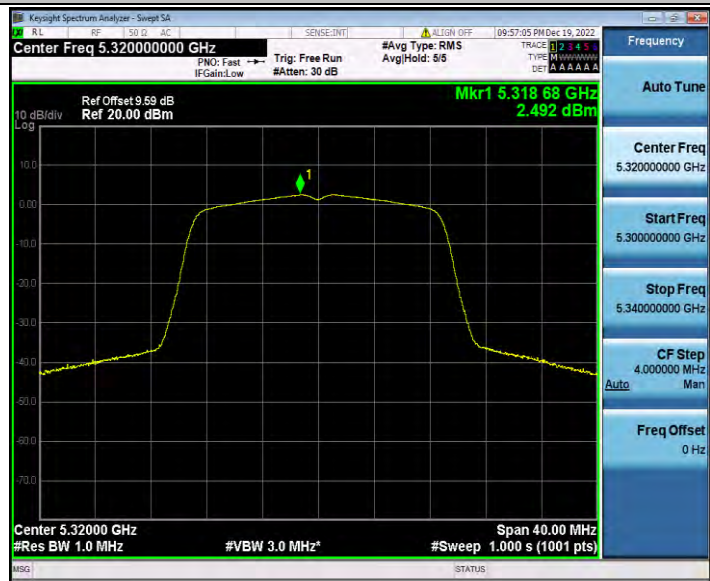
11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



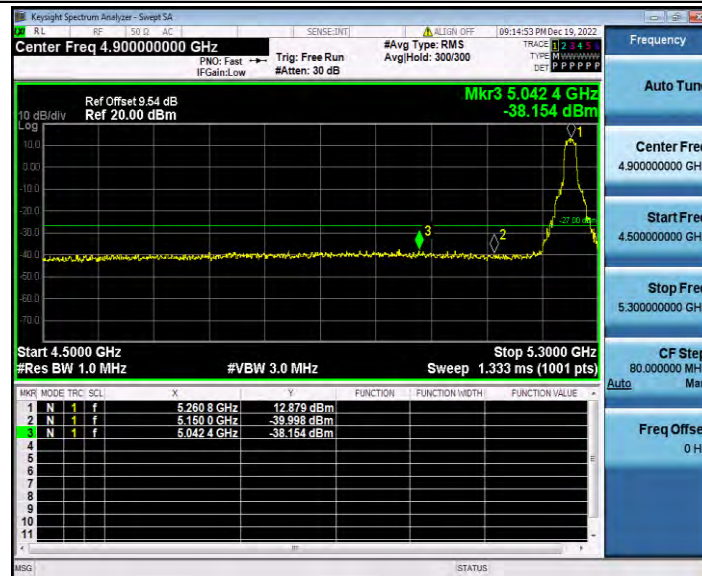
Appendix E.6: Band edge measurements

Test Result B2

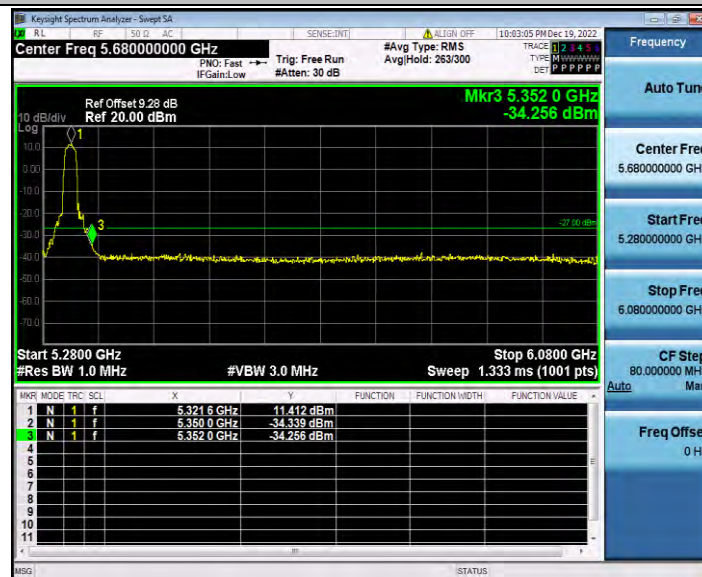
TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5260	-38.15	≤-27	PASS
		High	5320	-34.26	≤-27	PASS
11N20SISO	Ant1	Low	5260	-37.47	≤-27	PASS
		High	5320	-31.14	≤-27	PASS
11N40SISO	Ant1	Low	5270	-37.43	≤-27	PASS
		High	5310	-27.12	≤-27	PASS
11AC20SISO	Ant1	Low	5260	-37.61	≤-27	PASS
		High	5320	-35.83	≤-27	PASS
11AC40SISO	Ant1	Low	5270	-37.32	≤-27	PASS
		High	5310	-29.09	≤-27	PASS
11AC80SISO	Ant1	Low	5290	-37.86	≤-27	PASS
	Ant1	High	5290	-38.98	≤-27	PASS

Test Graphs B2

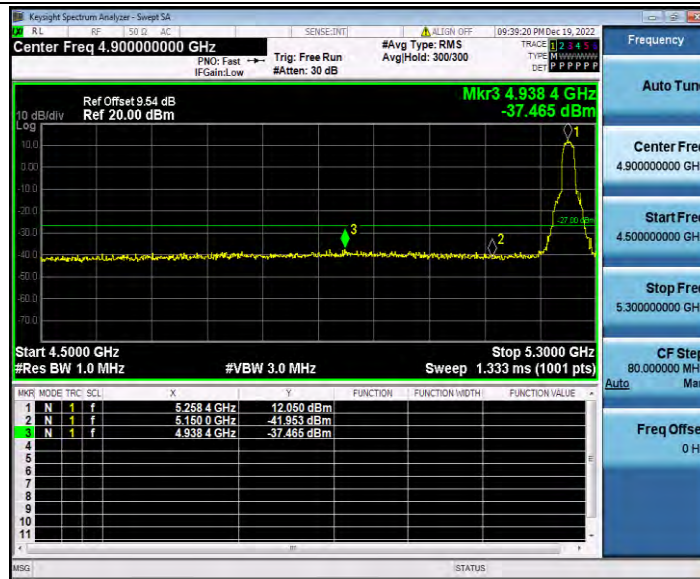
11A_Ant1_Low_5260



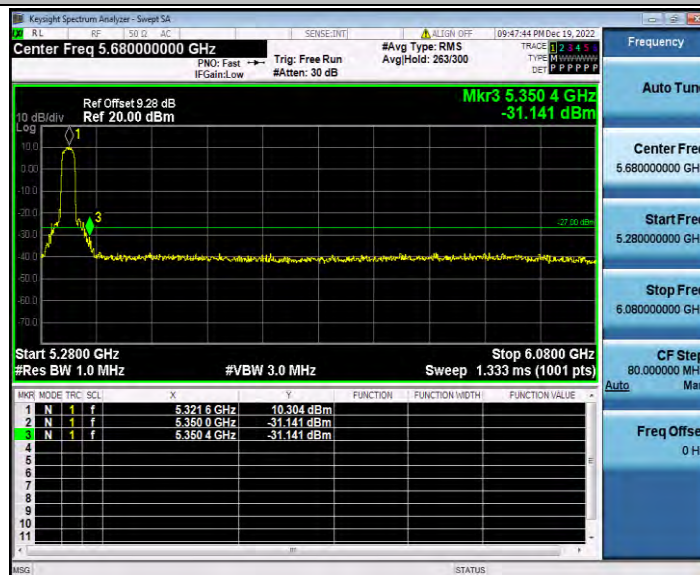
11A_Ant1_High_5320



11N20SISO_Ant1_Low_5260



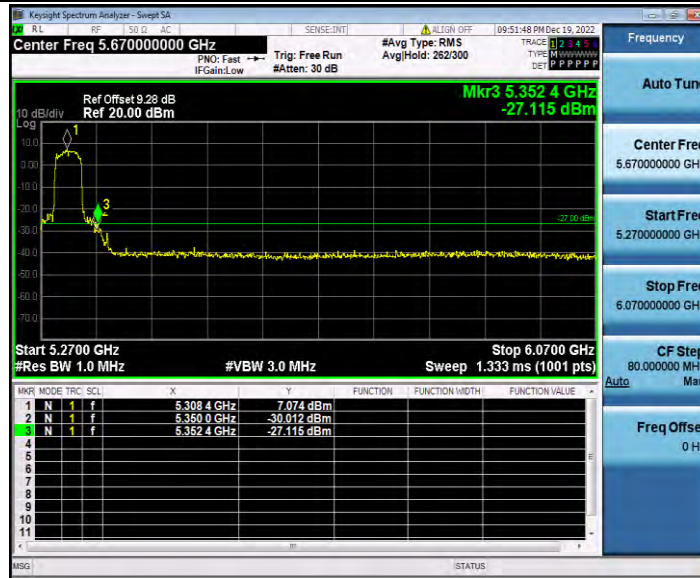
11N20SISO_Ant1_High_5320



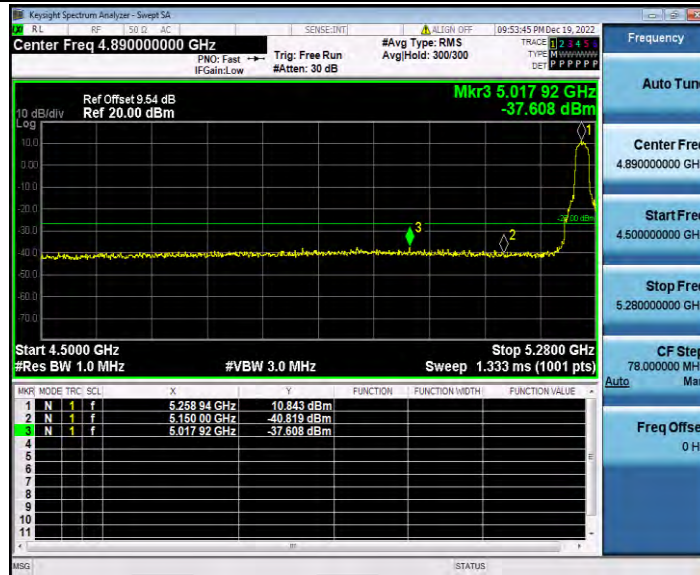
11N40SISO_Ant1_Low_5270



11N40SISO_Ant1_High_5310



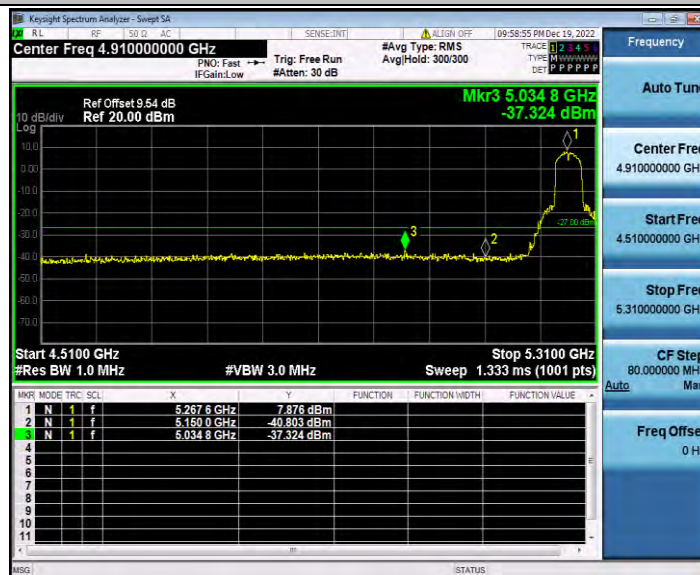
11AC20SISO_Ant1_Low_5260



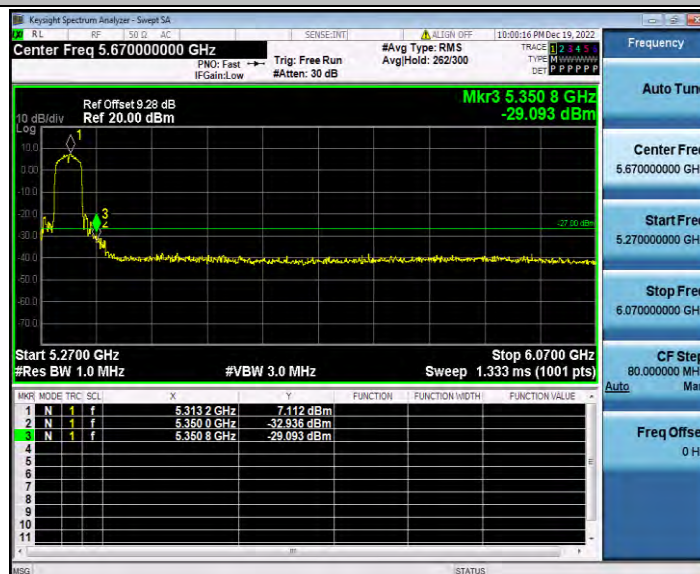
11AC20SISO_Ant1_High_5320



11AC40SISO_Ant1_Low_5270



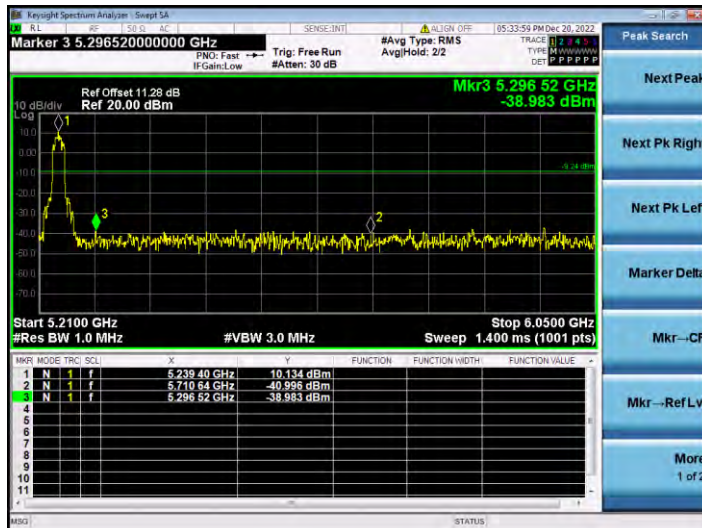
11AC40SISO_Ant1_High_5310



11AC80SISO_Ant1_Low_5290



11AC80SISO_Ant1_High_5290



Appendix E.7: Conducted Spurious Emission

Test Result

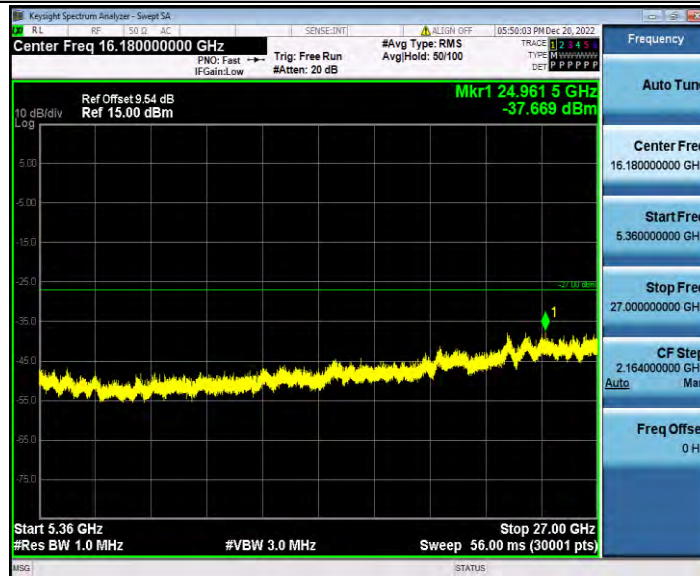
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	30~5140	2670.68	-47.19	≤-27	PASS
			5360~40000	24961.51	-37.67	≤-27	PASS
		5280	30~5140	2705.94	-46.31	≤-27	PASS
			5360~40000	26076.69	-37.31	≤-27	PASS
		5320	30~5140	1764.33	-46.54	≤-27	PASS
			5360~40000	24868.46	-37.68	≤-27	PASS
11N20SISO	Ant1	5260	30~5140	1746.11	-44.96	≤-27	PASS
			5360~40000	25036.53	-37.91	≤-27	PASS
		5280	30~5140	3281.15	-46.96	≤-27	PASS
			5360~40000	24876.39	-38.39	≤-27	PASS
		5320	30~5140	3086.63	-47.17	≤-27	PASS
			5360~40000	24841.77	-38.33	≤-27	PASS
11N40SISO	Ant1	5270	30~5140	2810.52	-46.99	≤-27	PASS
			5360~40000	26045.68	-38.16	≤-27	PASS
		5310	30~5140	2650.75	-46.98	≤-27	PASS
			5360~40000	5362.89	-36.51	≤-27	PASS
11AC20SISO	Ant1	5260	30~5140	2645.64	-47.05	≤-27	PASS
			5360~40000	26512.38	-37.44	≤-27	PASS
		5280	30~5140	4988.06	-47.39	≤-27	PASS
			5360~40000	24781.18	-38.39	≤-27	PASS
		5320	30~5140	3383.01	-47.51	≤-27	PASS
			5360~40000	25705.21	-38.52	≤-27	PASS
11AC40SISO	Ant1	5270	30~5140	4966.09	-47.2	≤-27	PASS
			5360~40000	23553.47	-37.77	≤-27	PASS
		5310	30~5140	4944.46	-45.78	≤-27	PASS
			5360~40000	24274.08	-37.62	≤-27	PASS
11AC80SISO	Ant1	5290	30~5140	3148.29	-46.98	≤-27	PASS
			5360~40000	5362.16	-37.96	≤-27	PASS

Test Graphs

11A_Ant1_5260_30~5140



11A_Ant1_5260_5360~40000



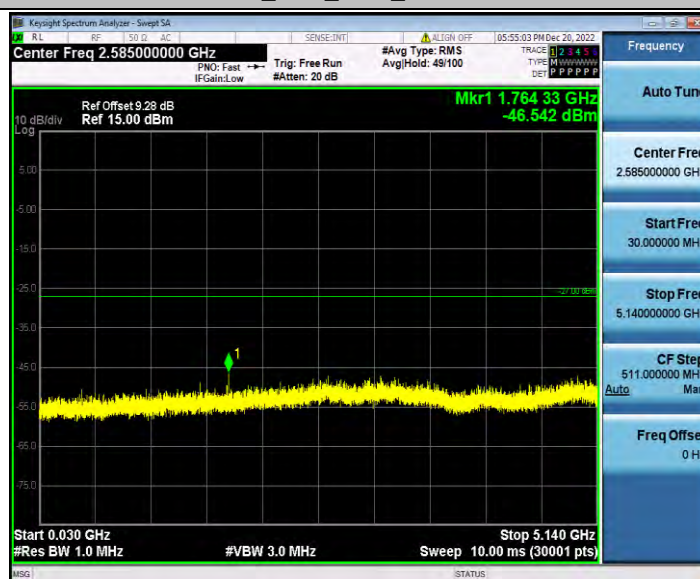
11A_Ant1_5280_30~5140



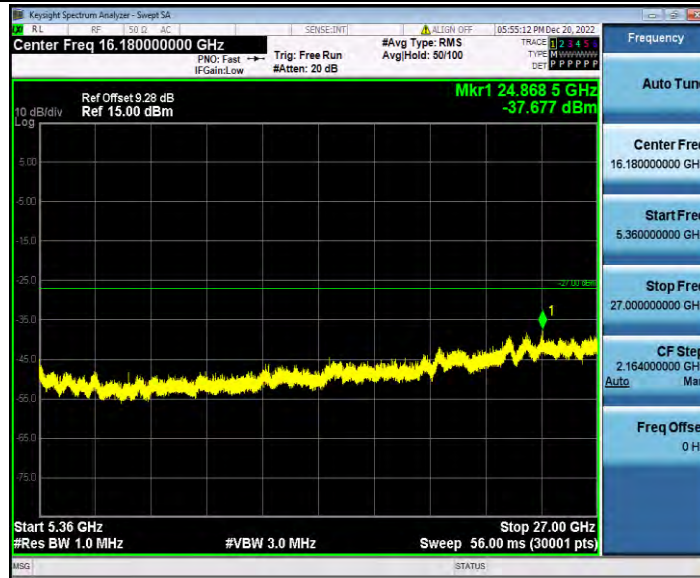
11A_Ant1_5280_5360~40000



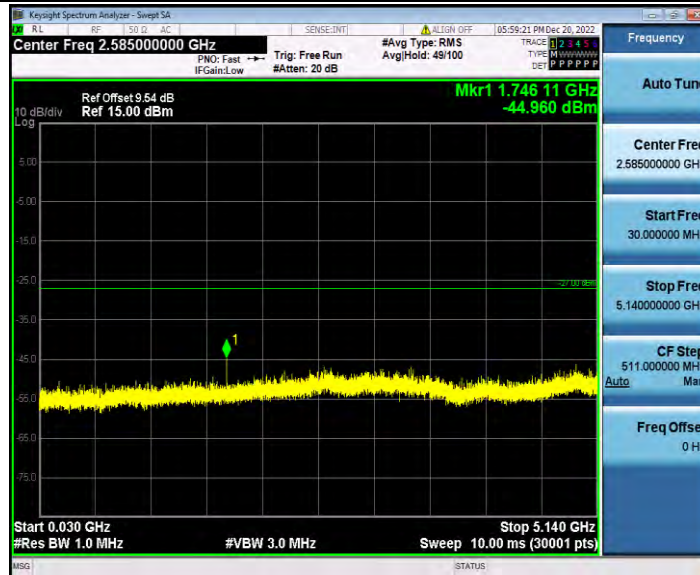
11A_Ant1_5320_30~5140



11A_Ant1_5320_5360~40000



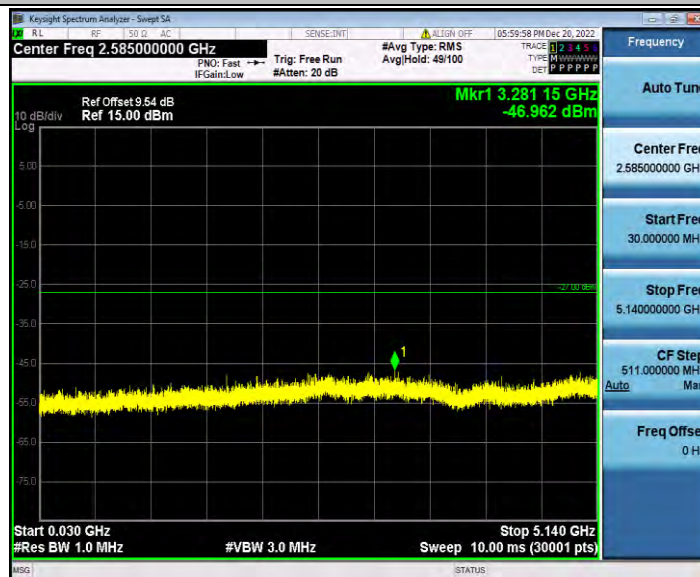
11N20SISO_Ant1_5260_30~5140



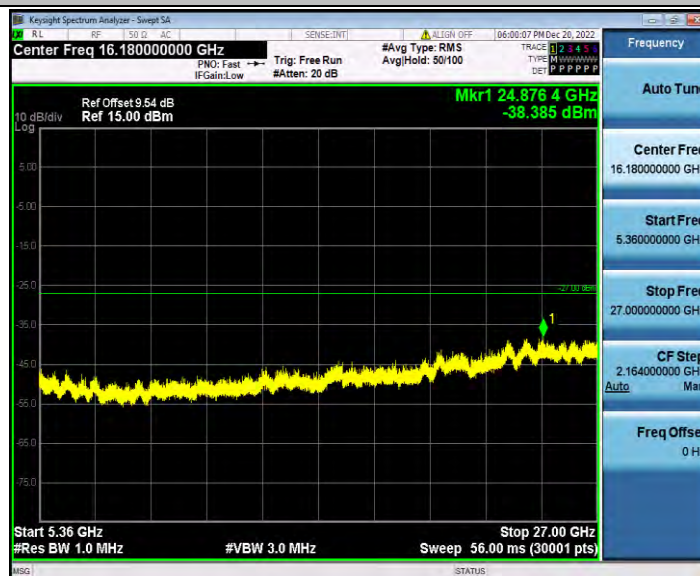
11N20SISO_Ant1_5260_5360~40000



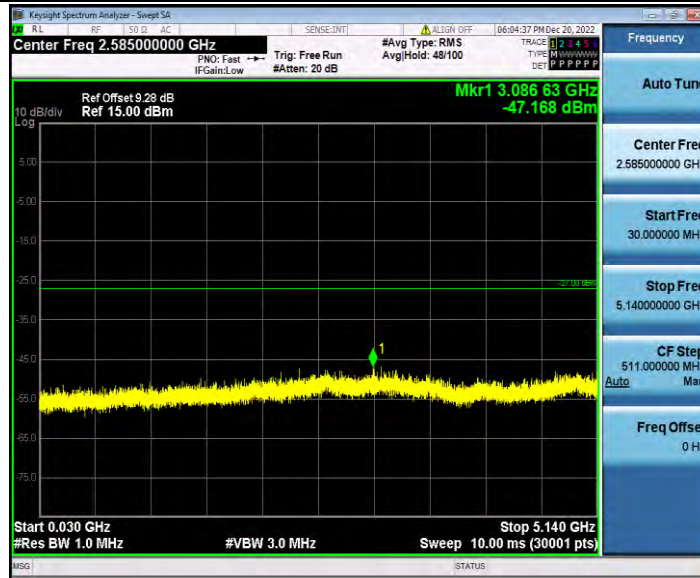
11N20SISO_Ant1_5280_30~5140



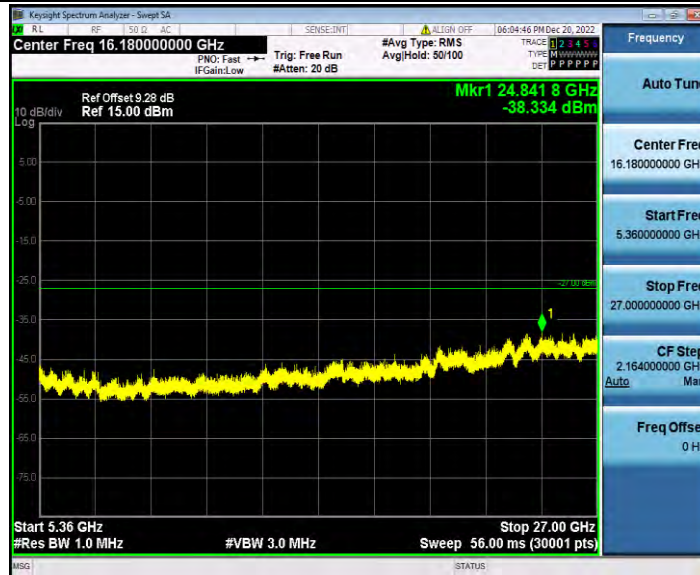
11N20SISO_Ant1_5280_5360~40000



11N20SISO_Ant1_5320_30~5140



11N20SISO_Ant1_5320_5360~40000



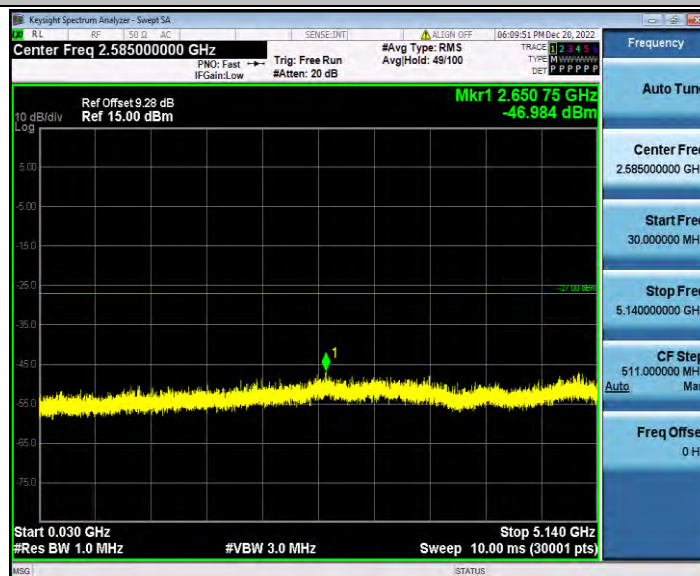
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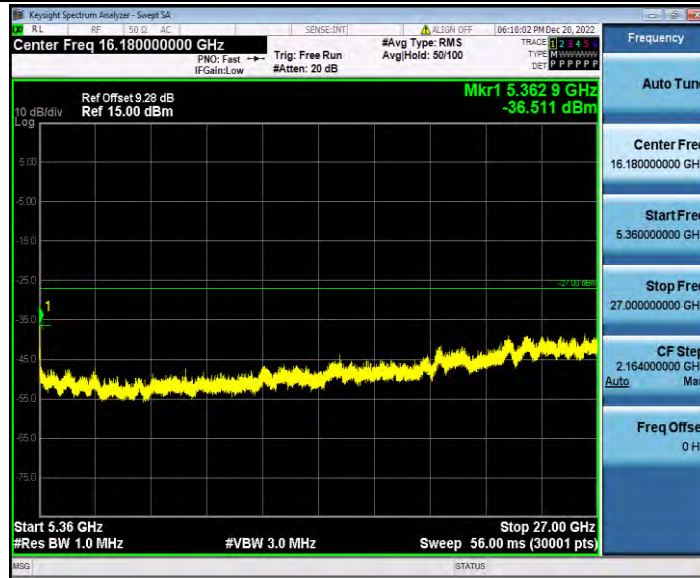
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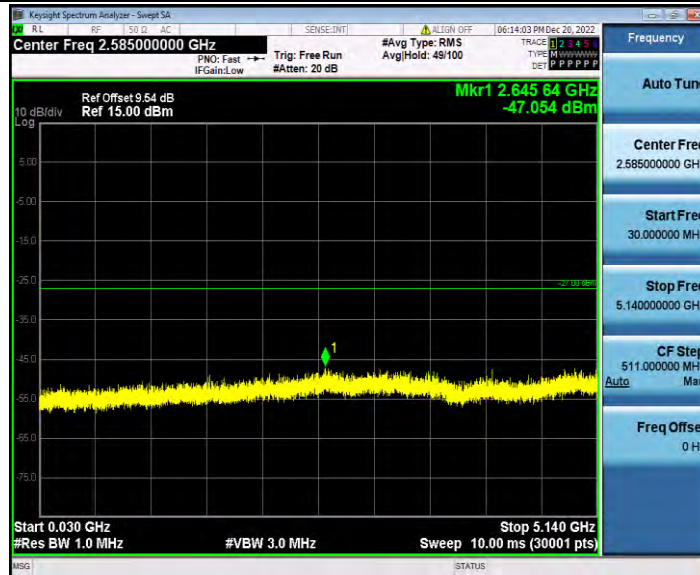
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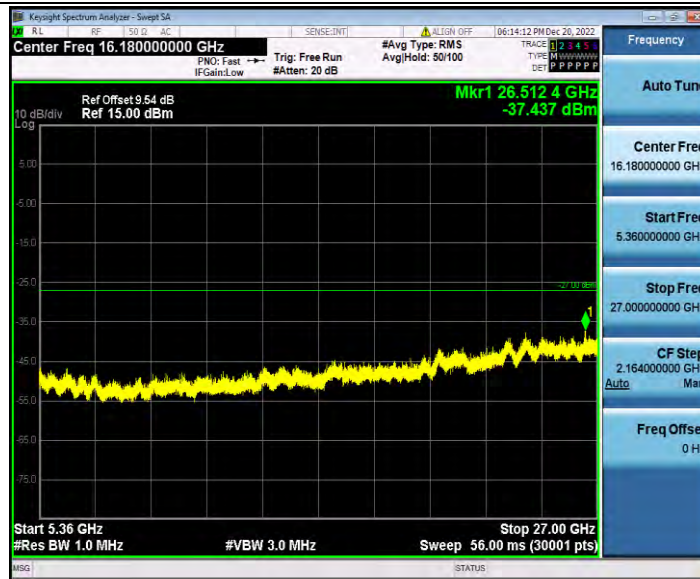
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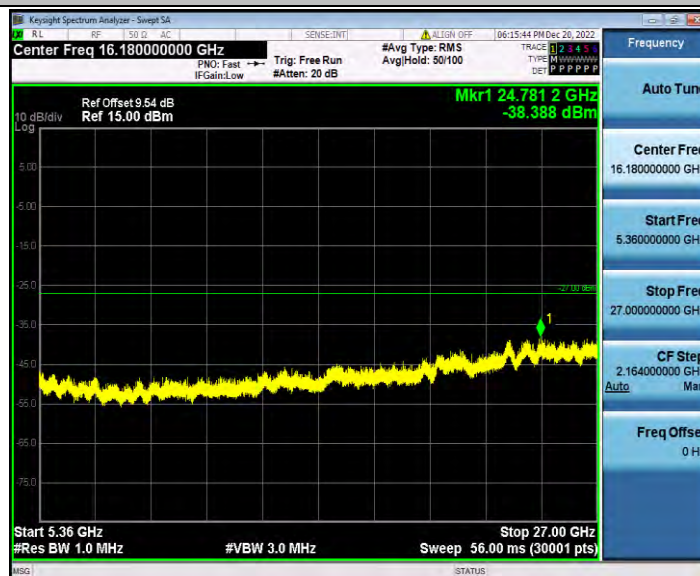
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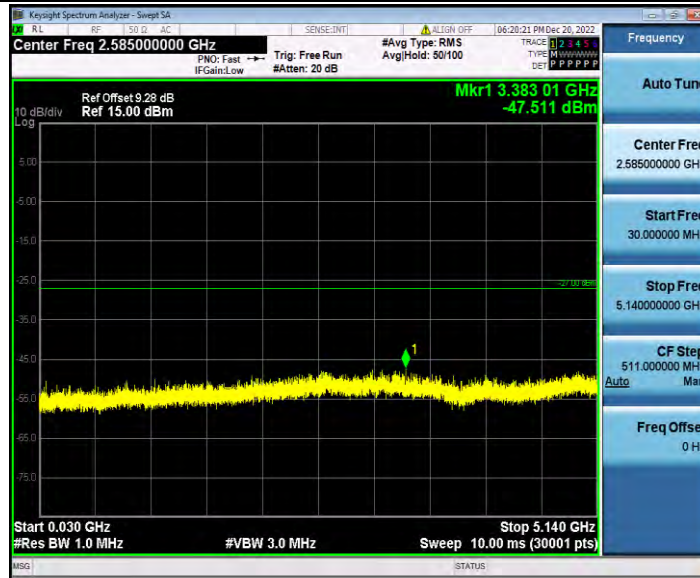
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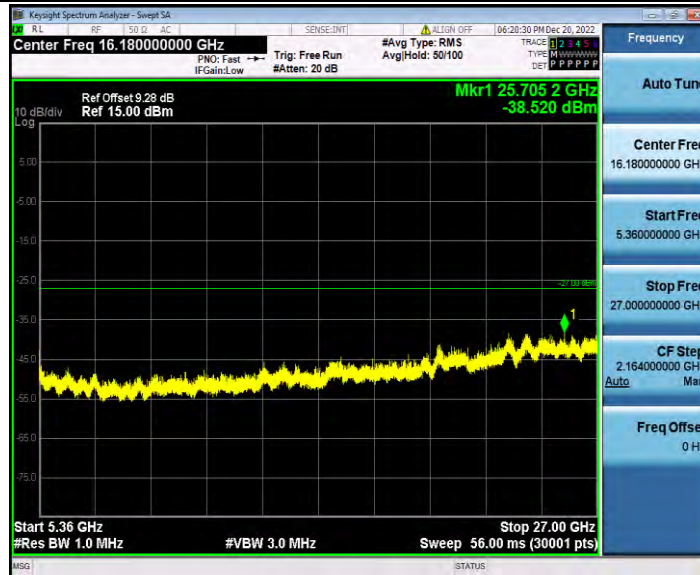
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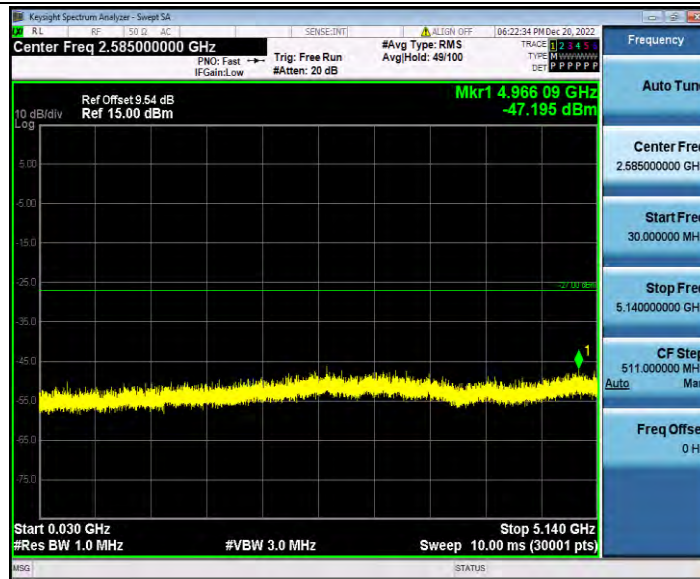
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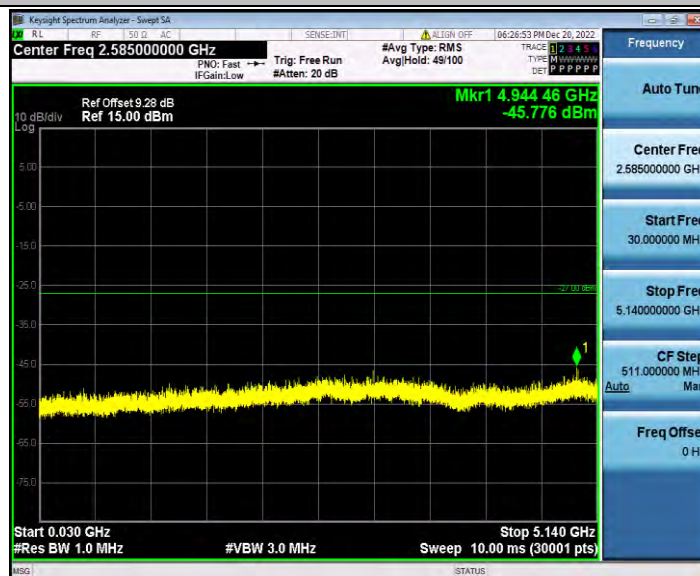
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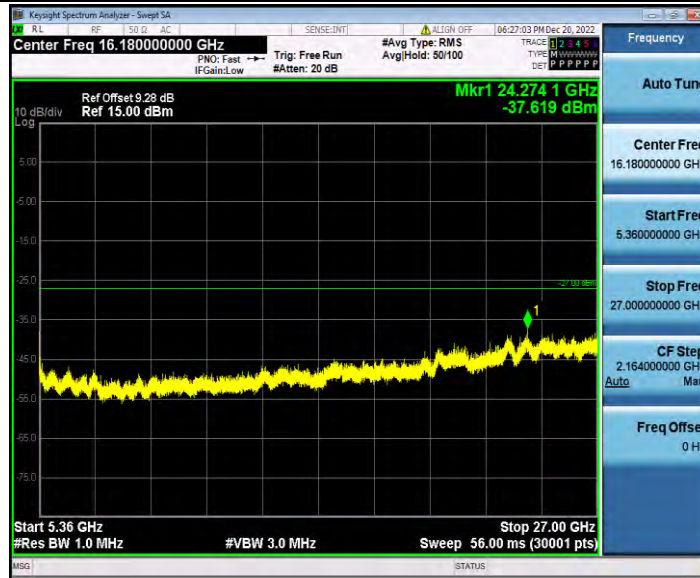
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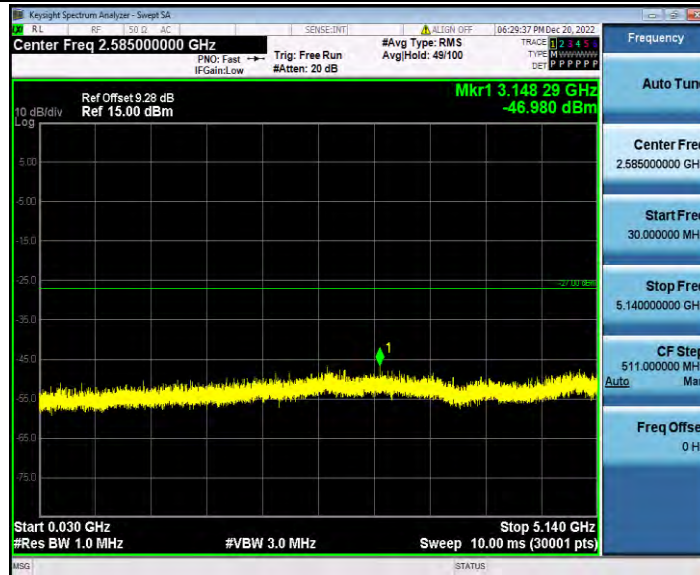
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11AC40SISO_Ant1_5310_5360~40000



11AC80SISO_Ant1_5290_30~5140



11AC80SISO_Ant1_5290_5360~40000

