

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

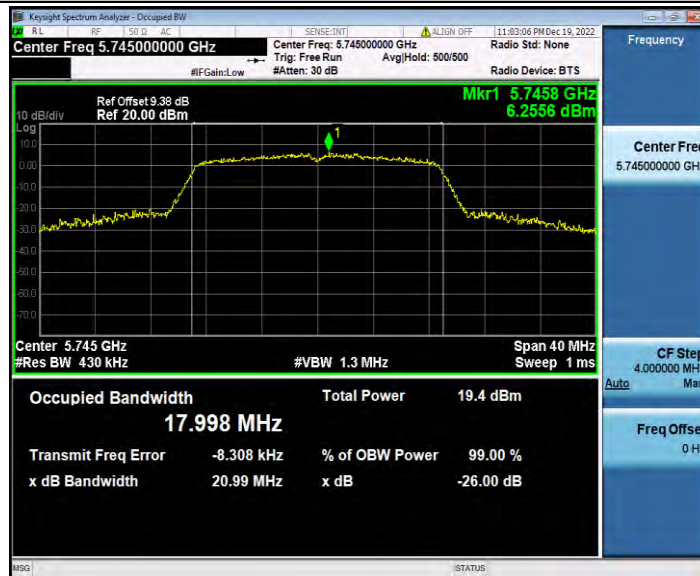
Appendix G.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.998	5735.993	5753.991	---	---
		5785	17.987	5775.985	5793.972	---	---
		5825	17.994	5816.015	5834.009	---	---
11N20SISO	Ant1	5745	18.004	5735.994	5753.998	---	---
		5785	17.935	5776.025	5793.960	---	---
		5825	25.688	5812.017	5837.705	---	---
11N40SISO	Ant1	5755	36.653	5736.744	5773.397	---	---
		5795	36.517	5776.727	5813.244	---	---
11AC20SISO	Ant1	5745	17.897	5736.037	5753.934	---	---
		5785	17.859	5776.048	5793.907	---	---
		5825	17.980	5816.023	5834.003	---	---
11AC40SISO	Ant1	5755	36.462	5736.786	5773.248	---	---
		5795	36.486	5776.782	5813.268	---	---
11AC80SISO	Ant1	5775	75.536	5737.332	5812.868	---	---

Test Graphs

11A_Ant1_5745



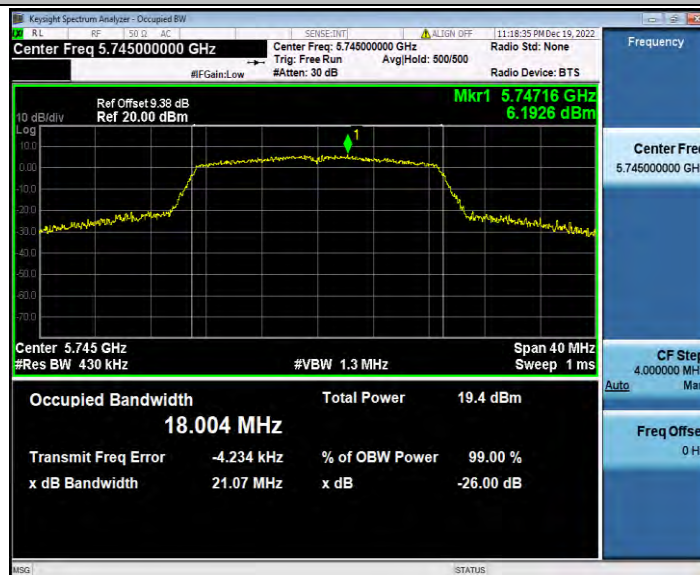
11A_Ant1_5785



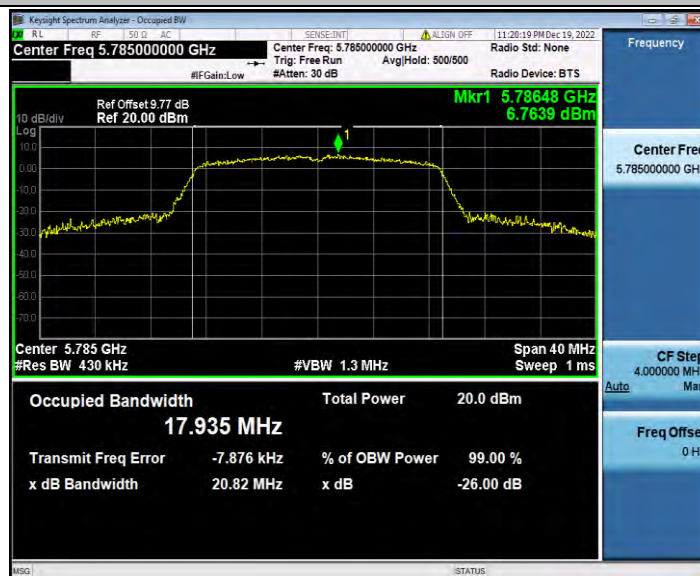
11A_Ant1_5825



11N20SISO_Ant1_5745



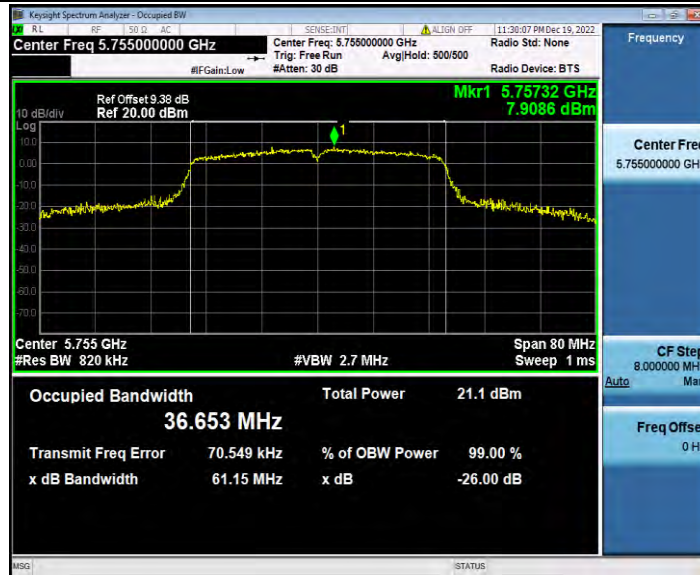
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



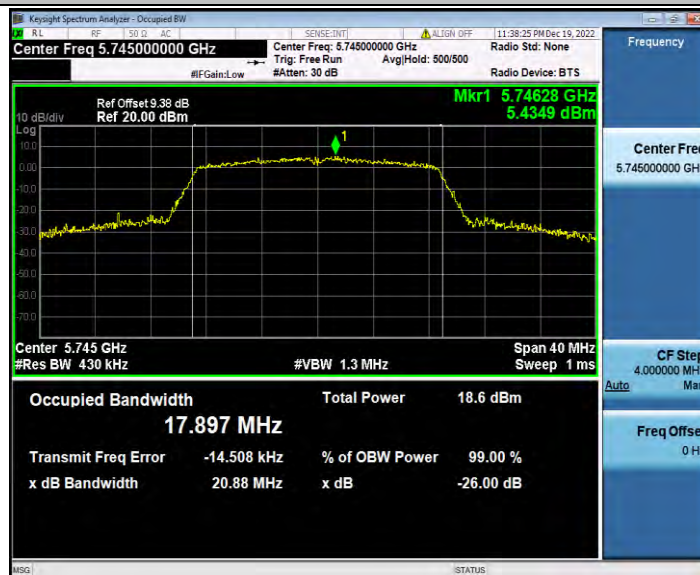
11N40SISO_Ant1_5755



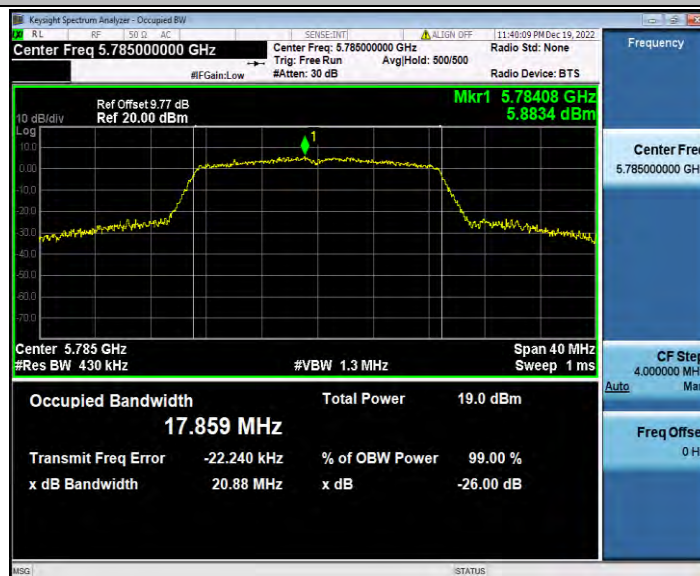
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



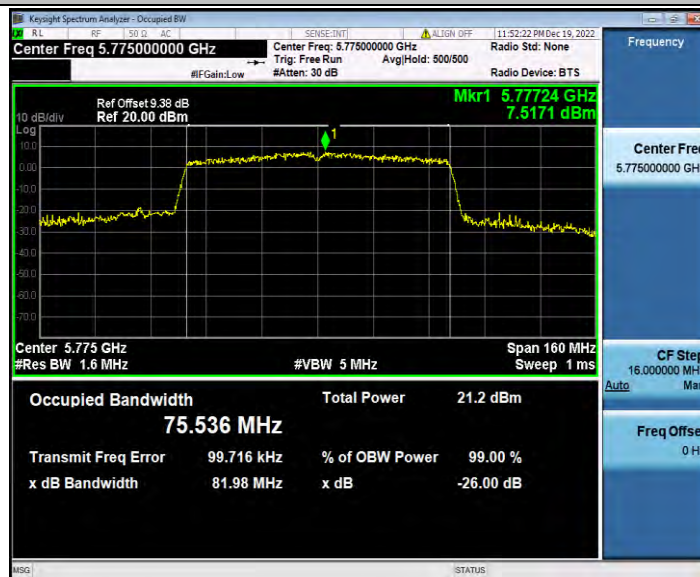
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

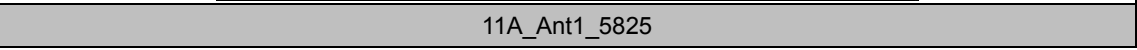
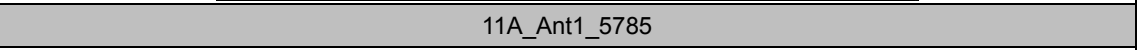


Appendix G.2: Min emission bandwidth

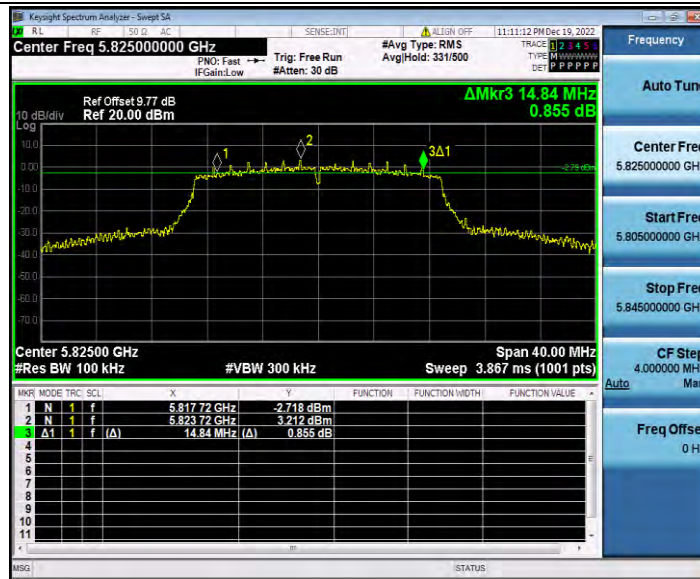
Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	13.760	5737.520	5751.280	0.5	PASS
		5785	15.080	5777.400	5792.480	0.5	PASS
		5825	14.840	5817.720	5832.560	0.5	PASS
11N20SISO	Ant1	5745	15.080	5737.440	5752.520	0.5	PASS
		5785	15.080	5777.440	5792.520	0.5	PASS
		5825	15.120	5817.440	5832.560	0.5	PASS
11N40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.120	5777.400	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	15.120	5777.440	5792.560	0.5	PASS
		5825	15.160	5817.400	5832.560	0.5	PASS
11AC40SISO	Ant1	5755	35.120	5737.400	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

11A_Ant1_5745



11A_Ant1_5825



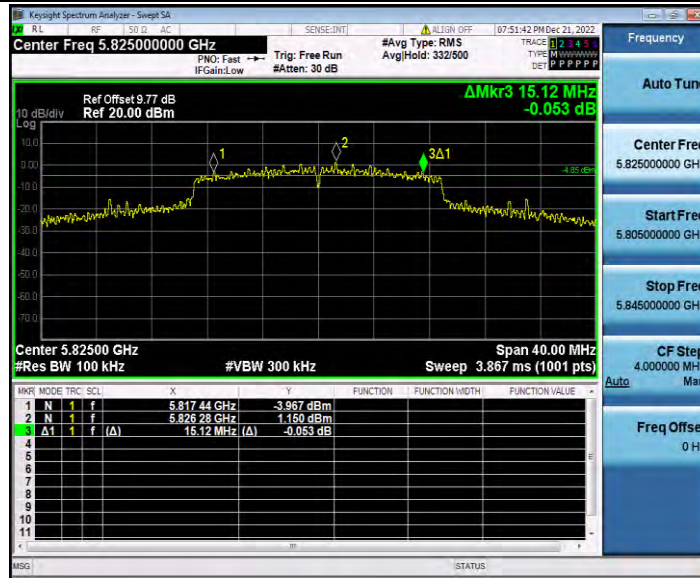
11N20SISO_Ant1_5745



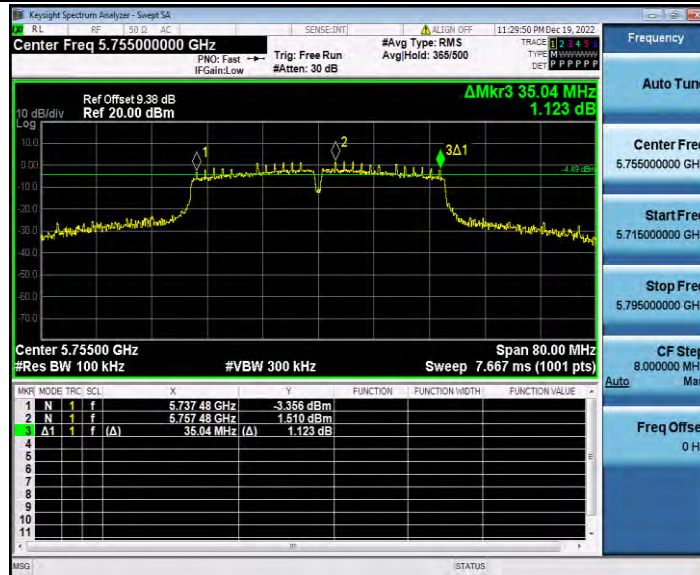
11N20SISO_Ant1_5785



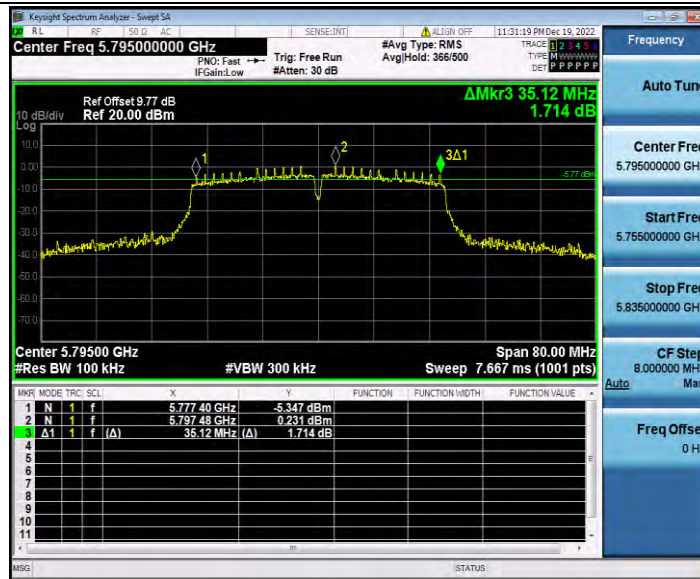
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



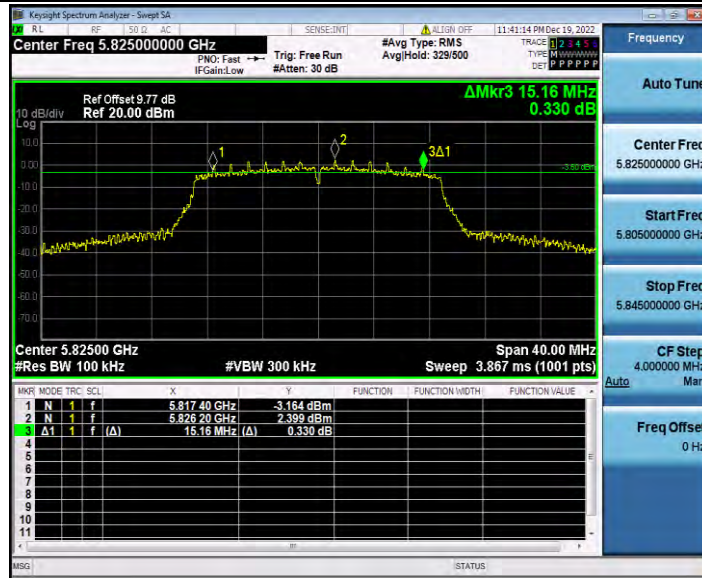
11AC20SISO_Ant1_5745



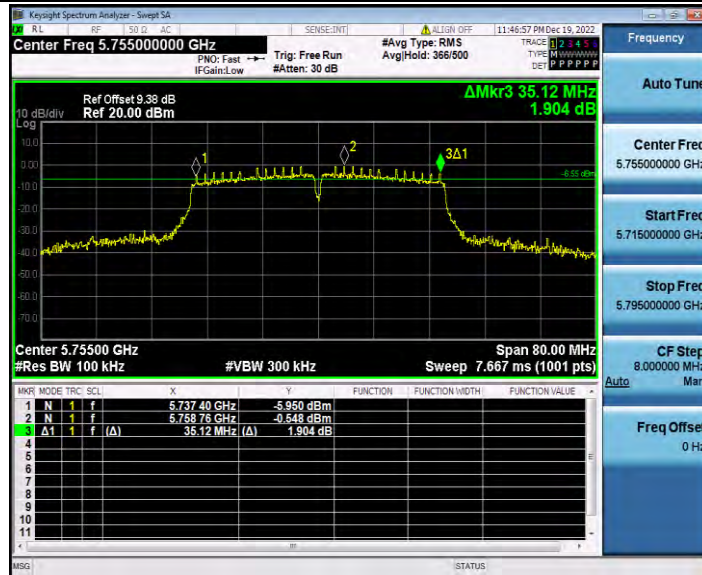
11AC20SISO_Ant1_5785



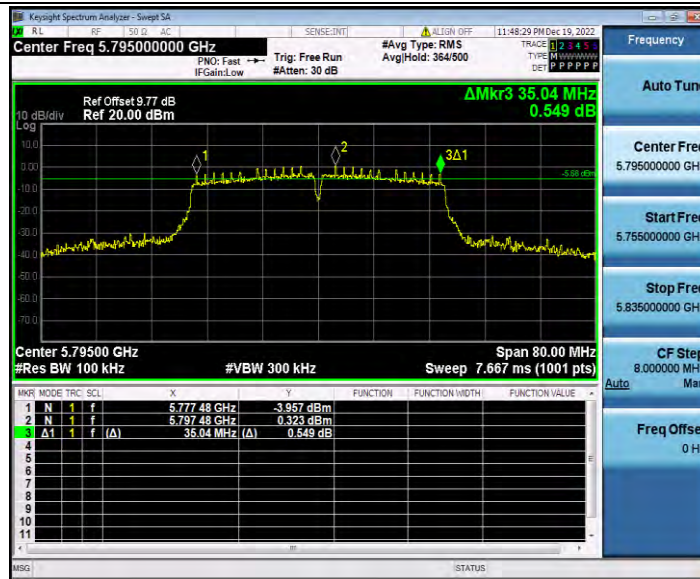
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



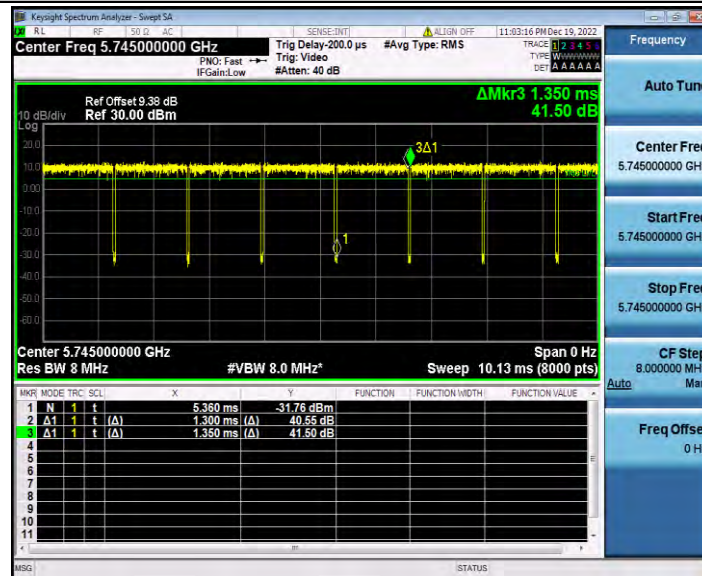
Appendix G.3: Duty Cycle

Test Result

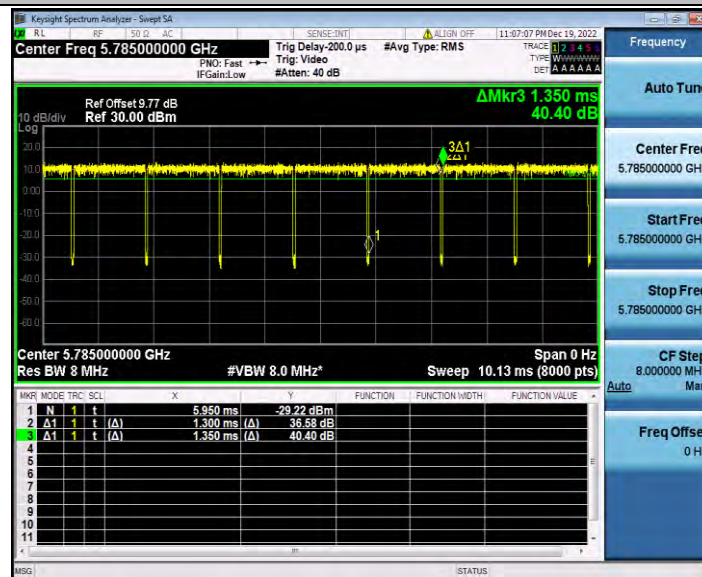
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	1.30	1.35	96.30
		5785	1.30	1.35	96.30
		5825	1.30	1.35	96.30
11N20SISO	Ant1	5745	1.30	1.35	96.30
		5785	1.30	1.35	96.30
		5825	0.11	0.15	73.33
11N40SISO	Ant1	5755	0.65	0.70	92.86
		5795	0.65	0.69	94.20
11AC20SISO	Ant1	5745	0.68	0.73	93.15
		5785	0.68	0.72	94.44
		5825	0.68	0.73	93.15
11AC40SISO	Ant1	5755	0.36	0.40	90.00
		5795	0.35	0.40	87.50
11AC80SISO	Ant1	5775	0.19	0.23	82.61

Test Graphs

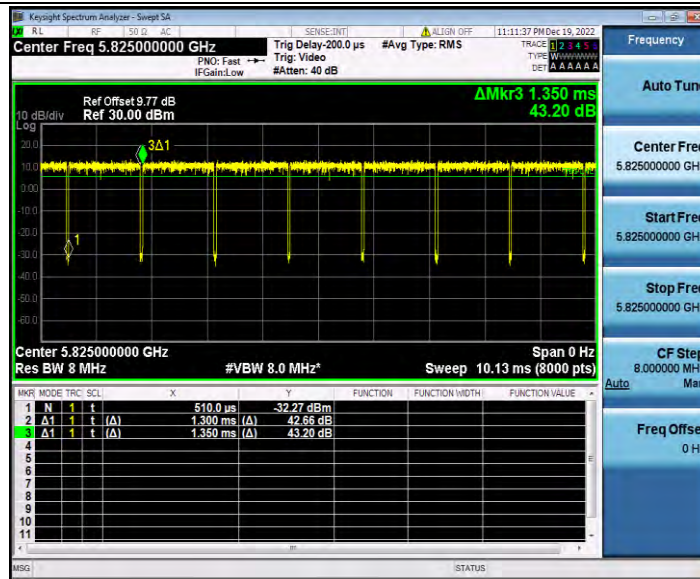
11A_Ant1_5745



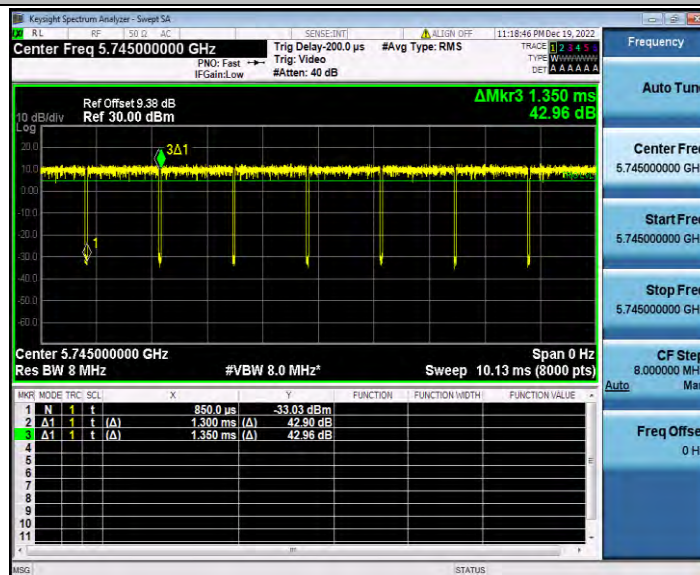
11A_Ant1_5785



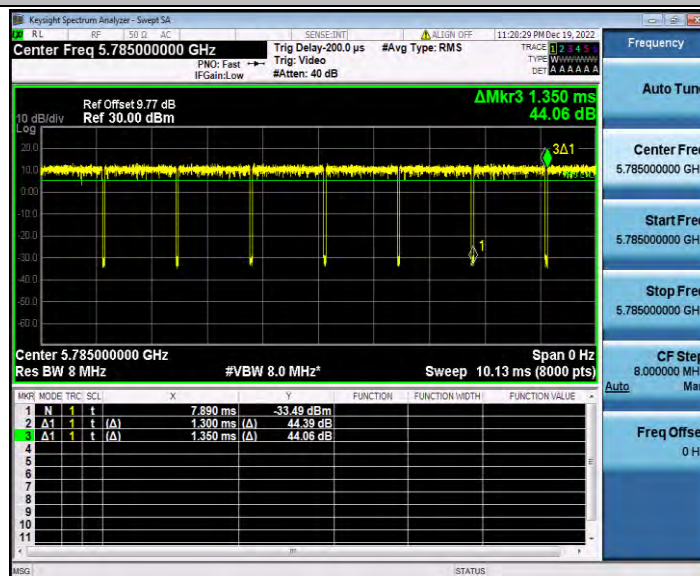
11A_Ant1_5825



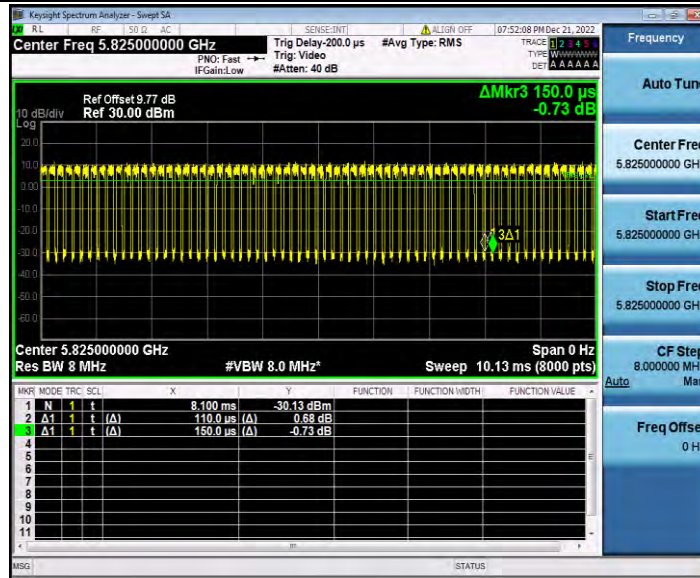
11N20SISO_Ant1_5745



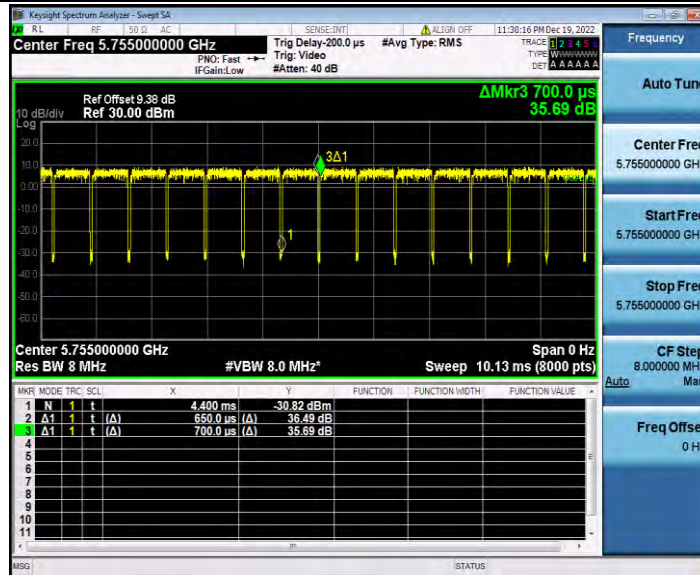
11N20SISO_Ant1_5785



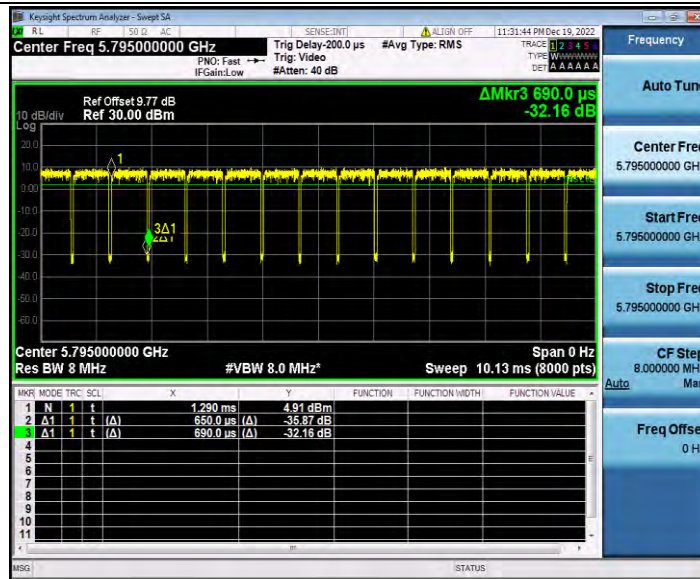
11N20SISO_Ant1_5825



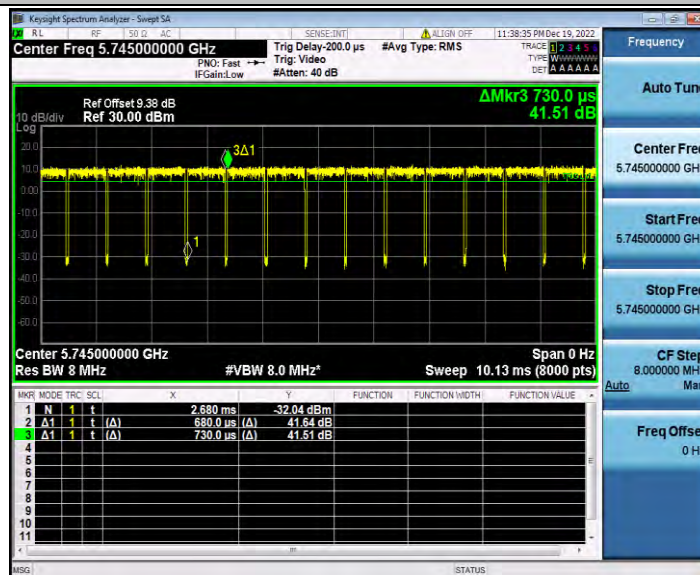
11N40SISO_Ant1_5755



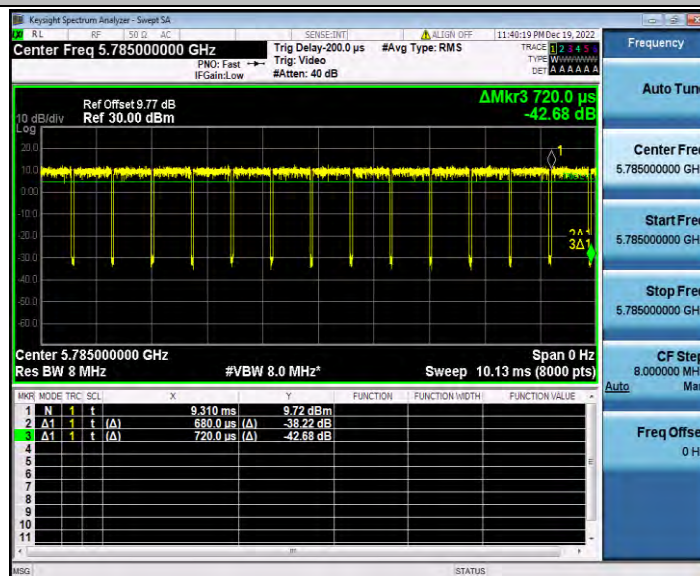
11N40SISO_Ant1_5795



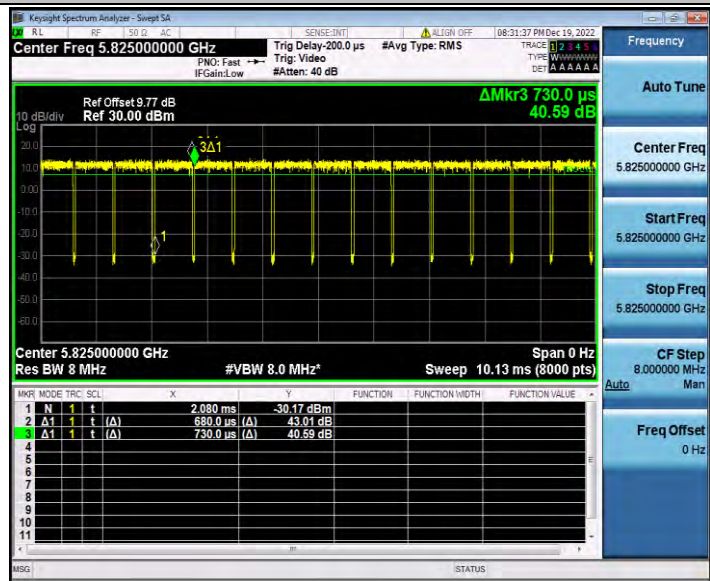
11AC20SISO_Ant1_5745



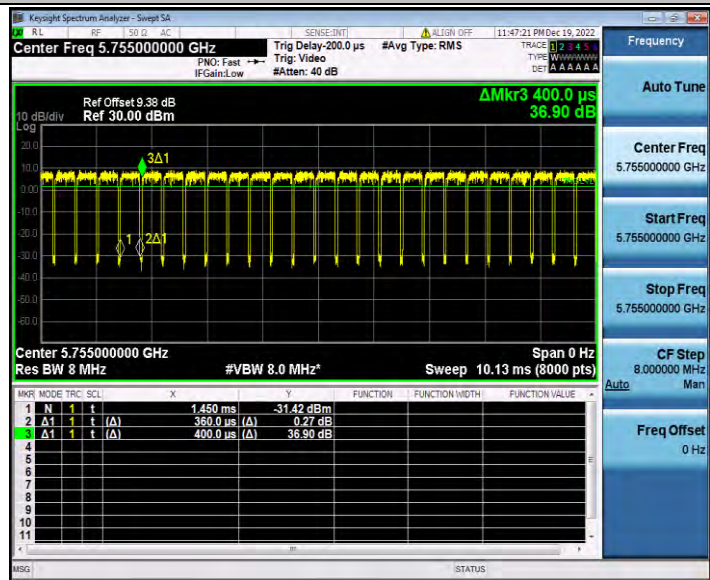
11AC20SISO_Ant1_5785



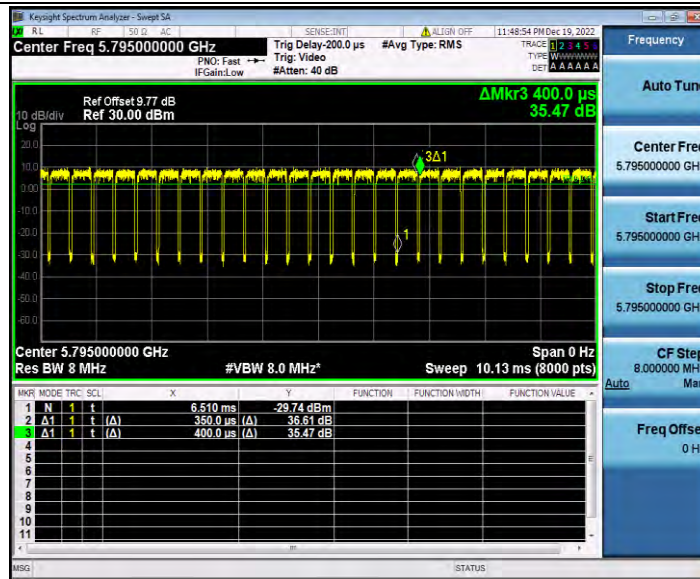
11AC20SISO_Ant1_5825



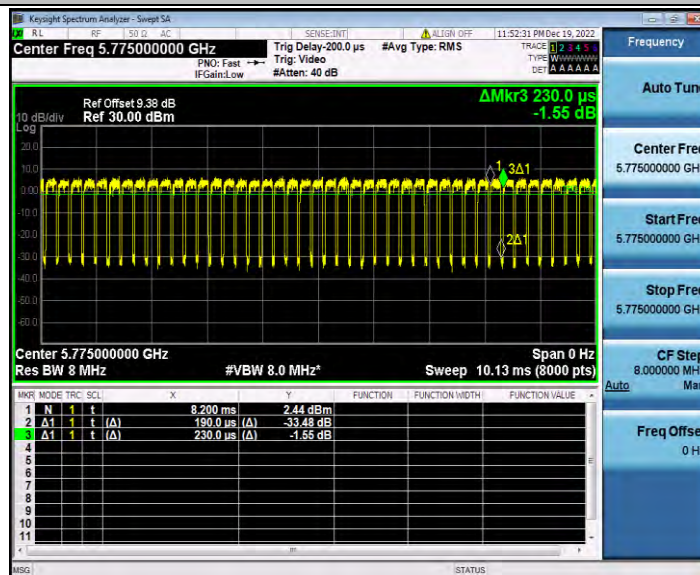
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix G.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	5745	12.40	96.30	0.16	12.56	≤30.00	PASS
		5785	13.23	96.30	0.16	13.39	≤30.00	PASS
		5825	13.33	96.30	0.16	13.49	≤30.00	PASS
11N20SISO	Ant1	5745	12.48	96.30	0.16	12.64	≤30.00	PASS
		5785	13.10	96.30	0.16	13.26	≤30.00	PASS
		5825	9.33	73.33	1.35	10.68	≤30.00	PASS
11N40SISO	Ant1	5755	11.95	92.86	0.32	12.27	≤30.00	PASS
		5795	12.83	94.20	0.26	13.09	≤30.00	PASS
11AC20SISO	Ant1	5745	11.72	93.15	0.31	12.03	≤30.00	PASS
		5785	12.05	94.44	0.25	12.30	≤30.00	PASS
		5825	12.20	93.06	0.31	12.51	≤30.00	PASS
11AC40SISO	Ant1	5755	11.73	90.00	0.46	12.19	≤30.00	PASS
		5795	12.81	87.50	0.58	13.39	≤30.00	PASS
11AC80SISO	Ant1	5775	11.57	82.61	0.83	12.40	≤30.00	PASS

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

Appendix G.5: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-0.93	≤30.00	PASS
		5785	-0.23	≤30.00	PASS
		5825	-0.16	≤30.00	PASS
11N20SISO	Ant1	5745	-0.97	≤30.00	PASS
		5785	0.77	≤30.00	PASS
		5825	-1.58	≤30.00	PASS
11N40SISO	Ant1	5755	-4.13	≤30.00	PASS
		5795	-3.59	≤30.00	PASS
11AC20SISO	Ant1	5745	-1.51	≤30.00	PASS
		5785	-1.32	≤30.00	PASS
		5825	0.94	≤30.00	PASS
11AC40SISO	Ant1	5755	-3.96	≤30.00	PASS
		5795	-3.2	≤30.00	PASS
11AC80SISO	Ant1	5775	-6.5	≤30.00	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_5745



11A_Ant1_5785



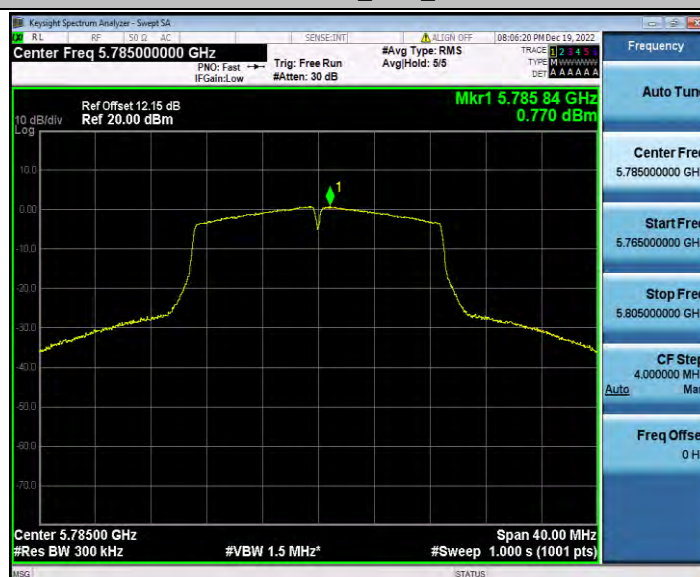
11A_Ant1_5825



11N20SISO_Ant1_5745



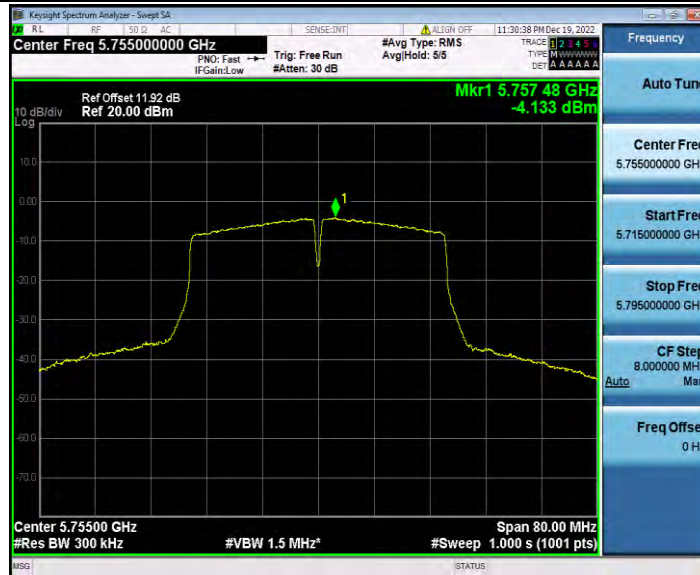
11N20SISO_Ant1_5785



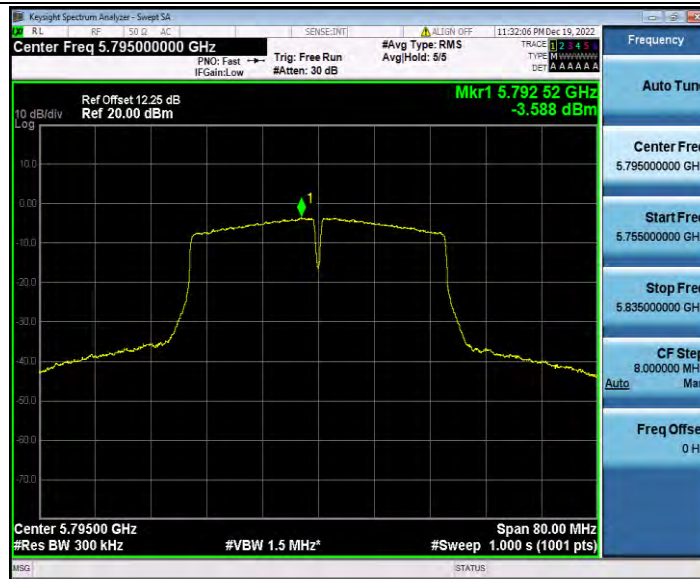
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix G.6: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-38.24	≤9.81	PASS
				5700~5720	-34.12	≤15.59	PASS
				5720~5725	-25.9	≤26.57	PASS
				5760~5650	-39.92	≤-27	PASS
		High	5825	5850~5855	-31.47	≤17.03	PASS
				5855~5875	-35.45	≤10.55	PASS
				5875~5925	-37.98	≤2.12	PASS
				5925~5935	-38.99	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-37.93	≤6.66	PASS
				5700~5720	-32.96	≤15.59	PASS
				5720~5725	-25.01	≤25.52	PASS
				5760~5650	-38.56	≤-27	PASS
		High	5825	5850~5855	-19.46	≤19.49	PASS
				5855~5875	-21.47	≤10.06	PASS
				5875~5925	-35.03	≤-26.86	PASS
				5925~5935	-38.52	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-36.69	≤7.86	PASS
				5700~5720	-25.47	≤15.31	PASS
				5720~5725	-22.8	≤22.51	PASS
				5780~5650	-38.88	≤-27	PASS
		High	5795	5850~5855	-35.48	≤20.55	PASS
				5855~5875	-36.26	≤12.53	PASS
				5875~5925	-38.38	≤4.82	PASS
				5925~5935	-39.04	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-38.34	≤-2.45	PASS
				5700~5720	-34.57	≤14.66	PASS
				5720~5725	-26.03	≤24.73	PASS
				5760~5650	-40.47	≤-27	PASS
		High	5825	5850~5855	-33.36	≤15.79	PASS
				5855~5875	-34.53	≤10.10	PASS
				5875~5925	-37.66	≤2.32	PASS
				5925~5935	-38.24	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-37.08	≤9.86	PASS
				5700~5720	-23.75	≤15.47	PASS
				5720~5725	-22.48	≤16.04	PASS
				5780~5650	-40.14	≤-27	PASS

		High	5795	5850~5855	-36.1	≤ 16.03	PASS
				5855~5875	-37.01	≤ 15.44	PASS
				5875~5925	-37.63	≤ 2.99	PASS
				5925~5935	-38.77	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-26.55	≤ -1.91	PASS
				5700~5720	-22.9	≤ 15.08	PASS
				5720~5725	-21.07	≤ 24.13	PASS
				5800~5650	-38.27	≤ -27	PASS
		High	5775	5850~5855	-30.04	≤ 17.90	PASS
				5855~5875	-29.92	≤ 11.37	PASS
				5875~5925	-35.65	≤ -26.96	PASS
				5925~5935	-38.48	≤ -27	PASS

Test Graphs B4

11A_Ant1_Low_5745



11A_Ant1_High_5825



11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825



11N40SISO_Ant1_Low_5755



11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



11AC20SISO_Ant1_High_5825



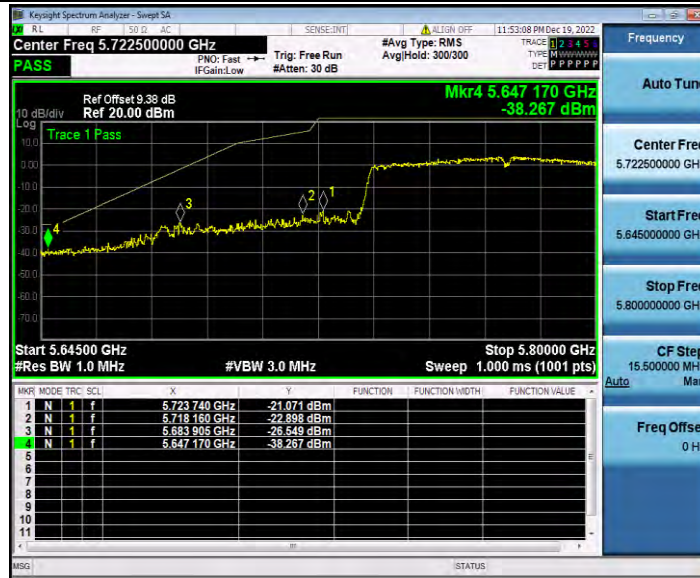
11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775



Appendix G.7: Conducted Spurious Emission

Test Result

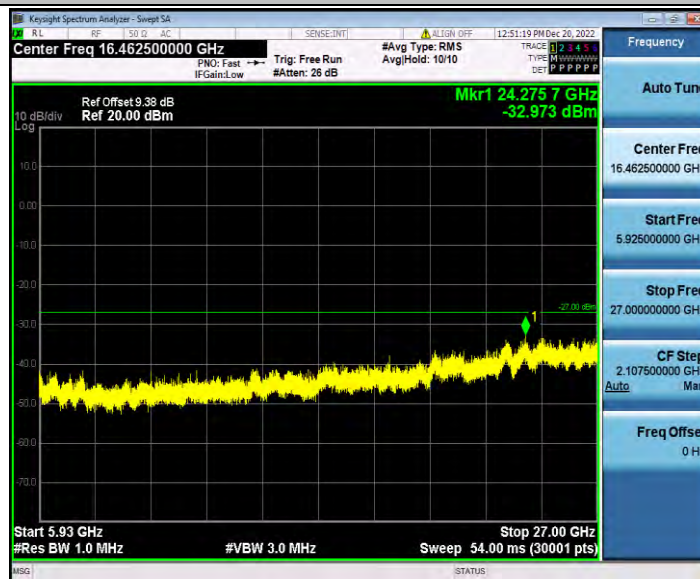
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	4921.09	-40.36	≤-27	PASS
			5925~40000	24275.71	-32.97	≤-27	PASS
		5785	30~5650	5002.76	-40.11	≤-27	PASS
			5925~40000	25246.56	-32.01	≤-27	PASS
		5825	30~5650	5444.12	-40.77	≤-27	PASS
			5925~40000	24319.26	-32.9	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	2648.17	-41.16	≤-27	PASS
			5925~40000	23495.23	-33.27	≤-27	PASS
		5785	30~5650	2609.77	-41.11	≤-27	PASS
			5925~40000	24268.68	-32.88	≤-27	PASS
		5825	30~5650	5460.79	-40.29	≤-27	PASS
			5925~40000	25044.94	-32.54	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	2626.07	-40.04	≤-27	PASS
			5925~40000	26662.1	-33.16	≤-27	PASS
		5795	30~5650	5433.63	-40.12	≤-27	PASS
			5925~40000	24303.1	-32.59	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	1746.72	-40.8	≤-27	PASS
			5925~40000	26549.7	-33.27	≤-27	PASS
		5785	30~5650	2638.24	-40.8	≤-27	PASS
			5925~40000	24223.72	-32.48	≤-27	PASS
		5825	30~5650	3319.39	-40.91	≤-27	PASS
			5925~40000	26991.57	-32.81	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	2680.39	-41.3	≤-27	PASS
			5925~40000	24324.88	-32.77	≤-27	PASS
		5795	30~5650	5432.69	-40.77	≤-27	PASS
			5925~40000	24813.12	-32.34	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	3343.36	-41.39	≤-27	PASS
			5925~40000	26948.72	-32.38	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



11A_Ant1_5745_5925~40000



11A_Ant1_5785_30~5650



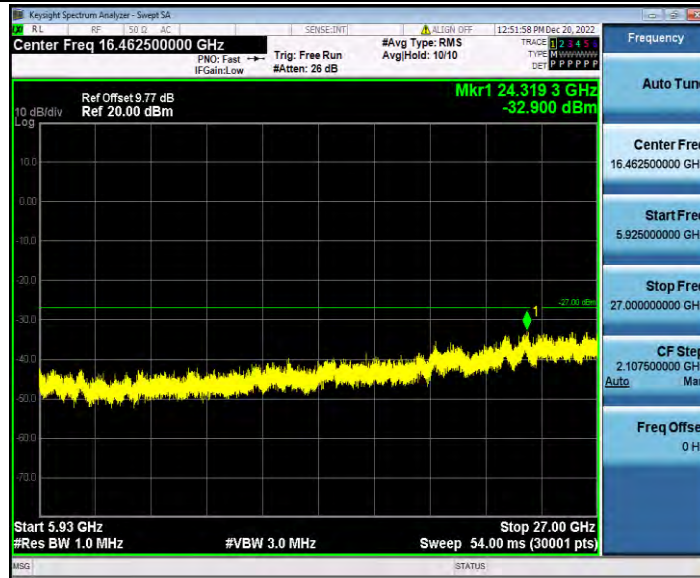
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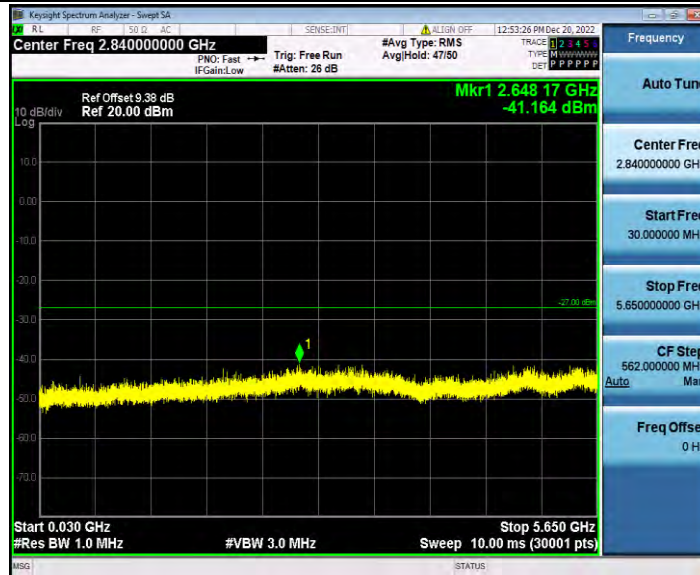
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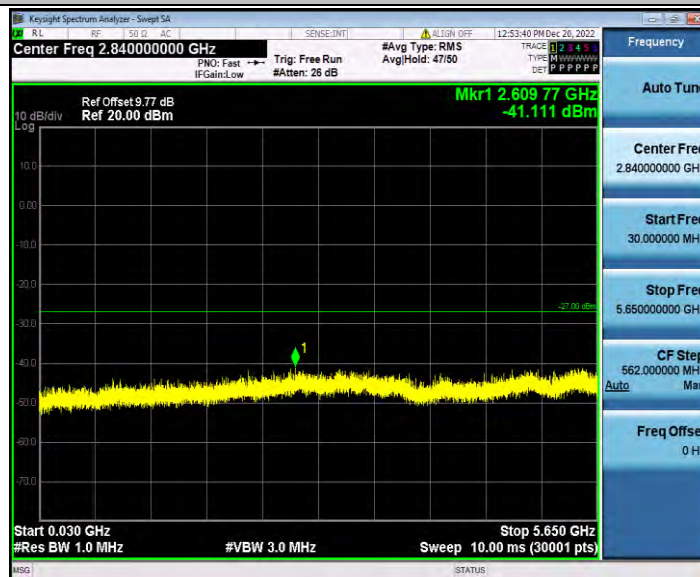
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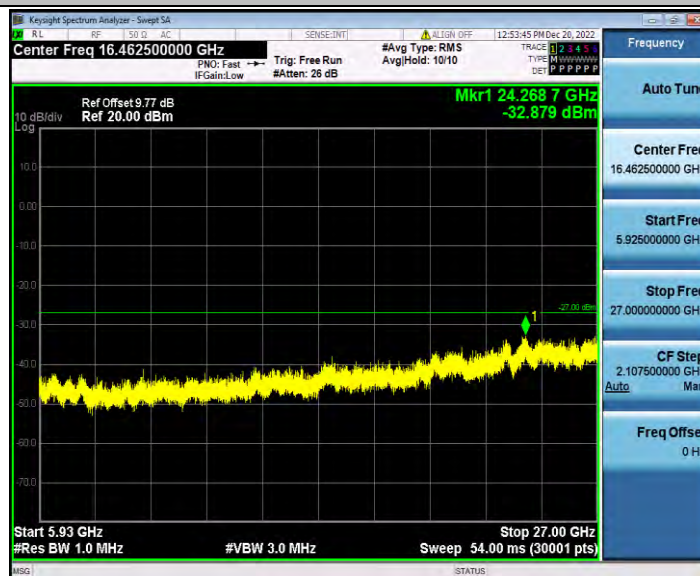
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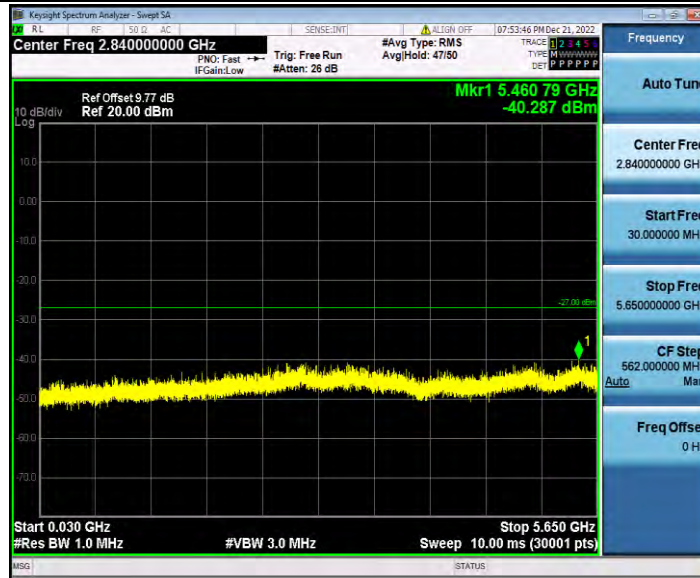
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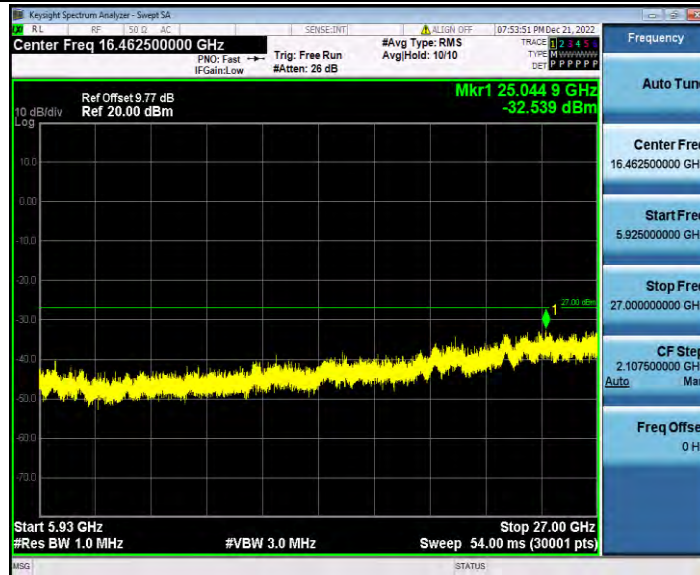
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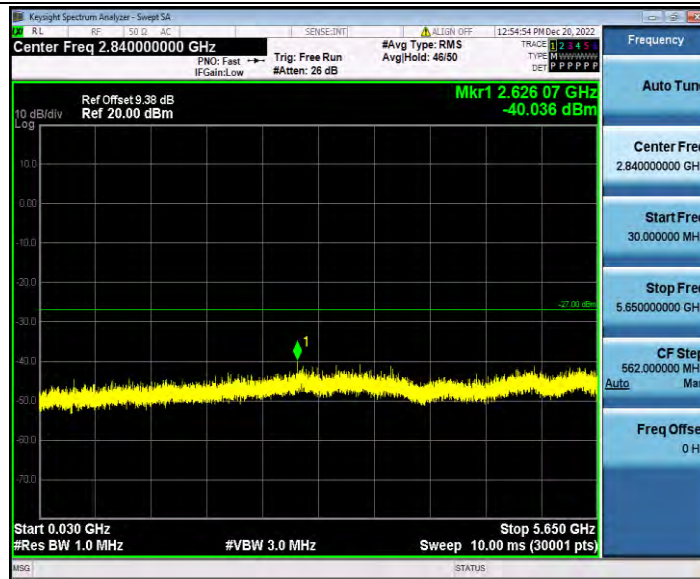
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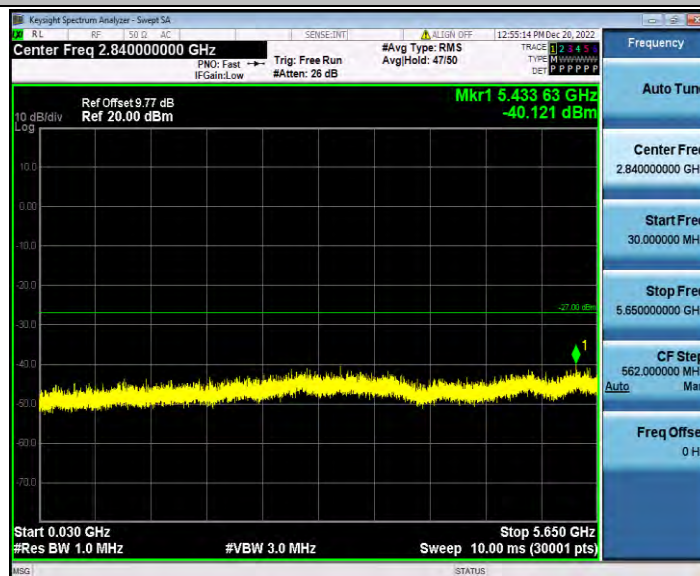
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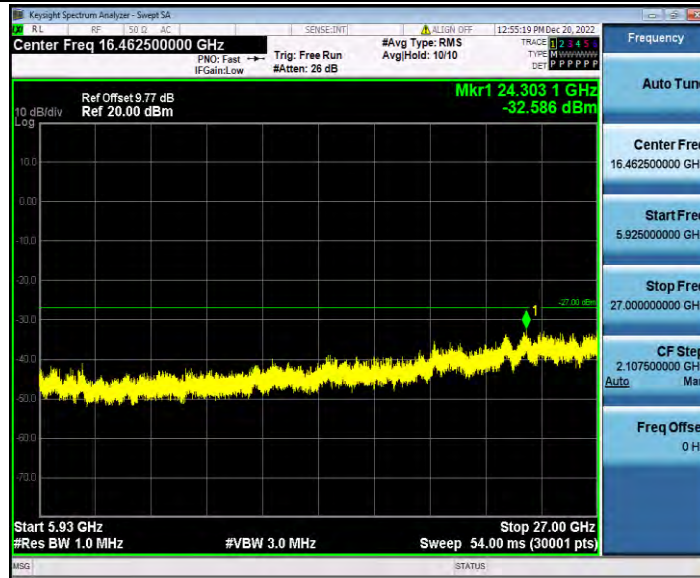
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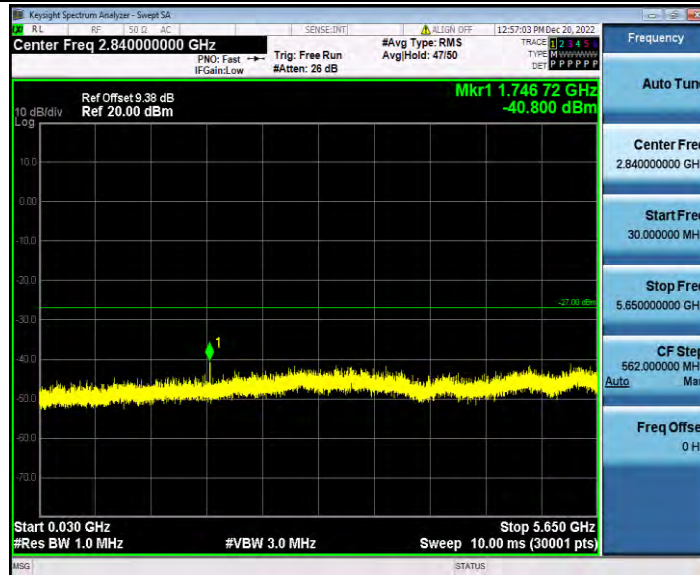
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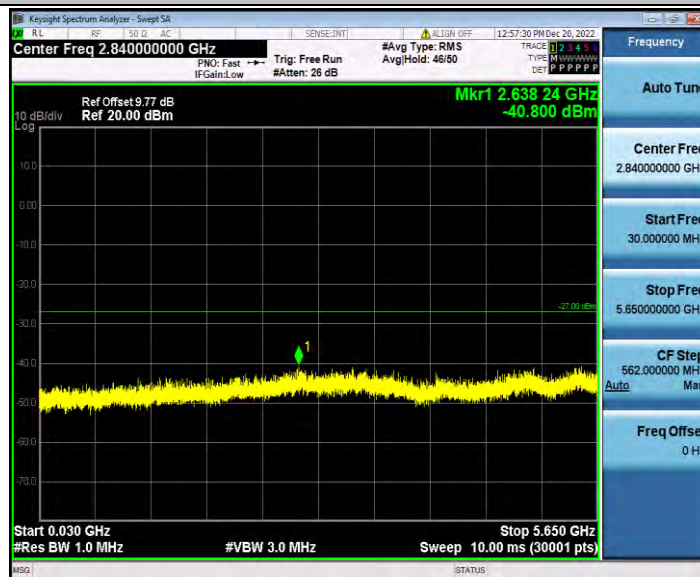
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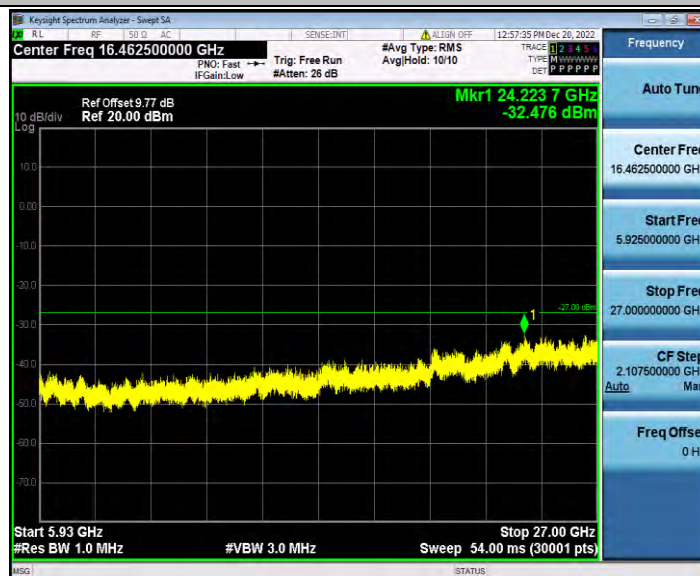
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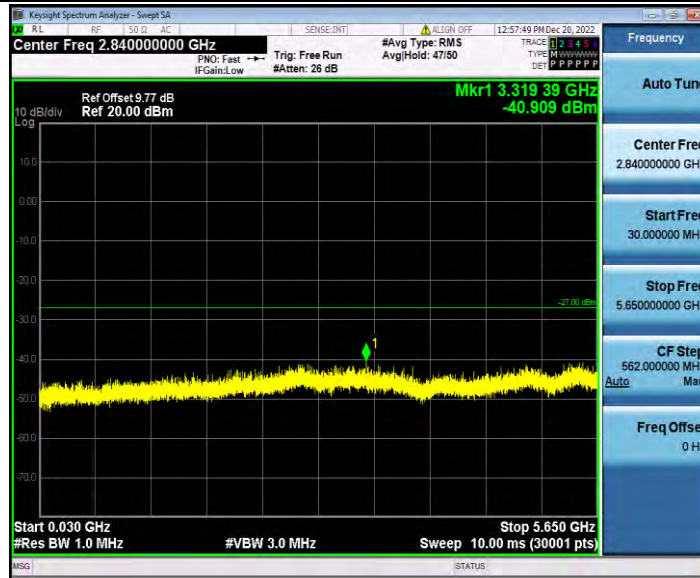
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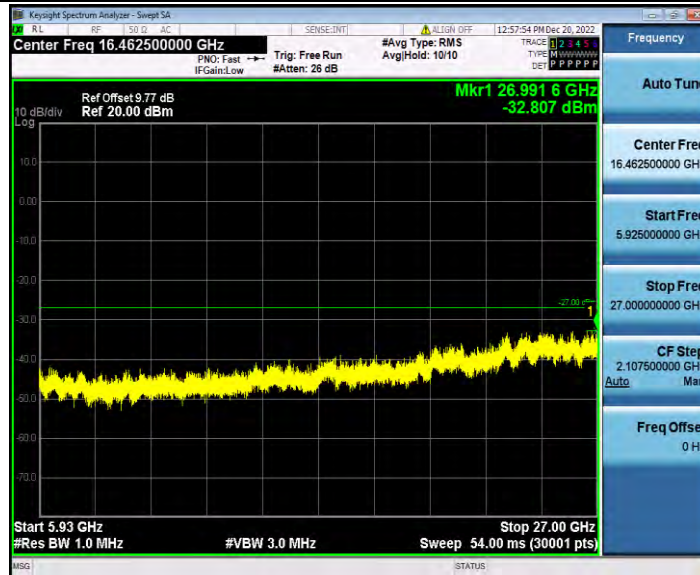
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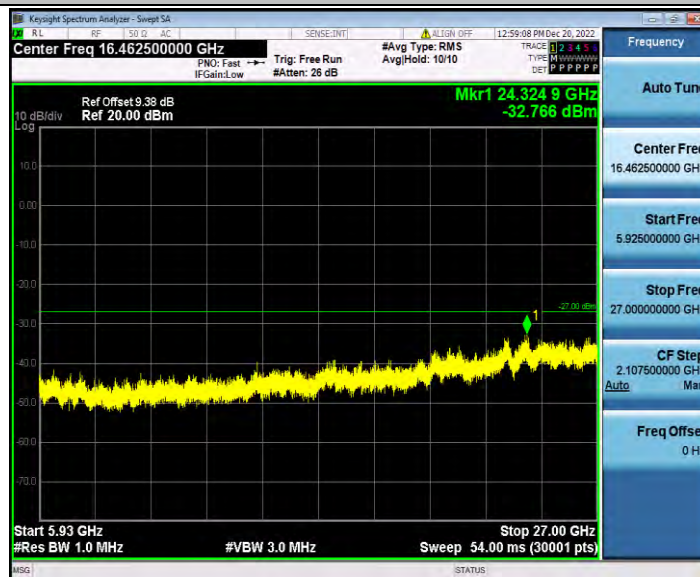
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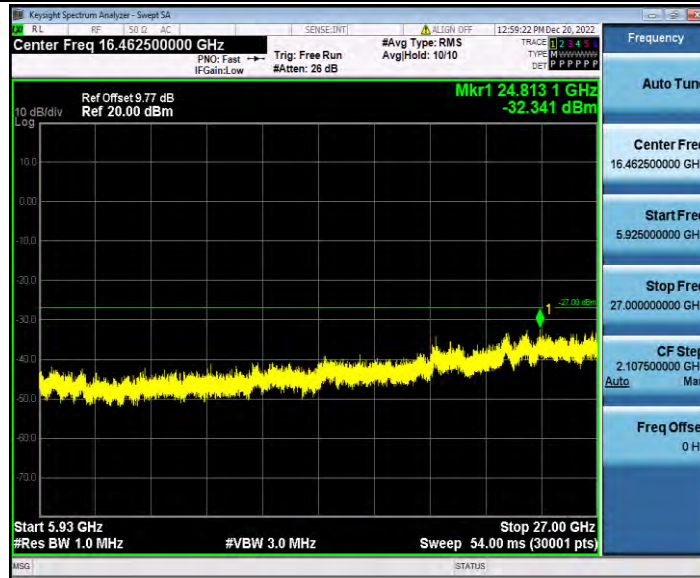
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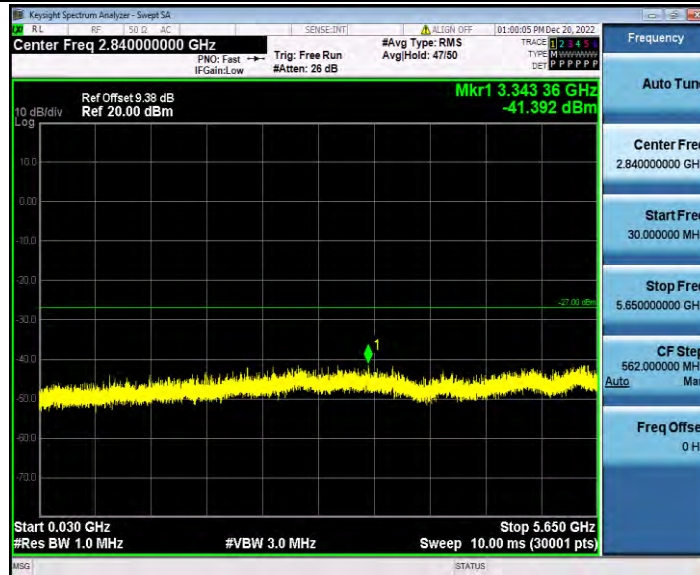
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11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~40000

