

Case No. : <u>GTS20220510015-1-14</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH,	
Test Date: <u>2022.7.4</u>	Test Engineer: <u>Jenny zeng</u>

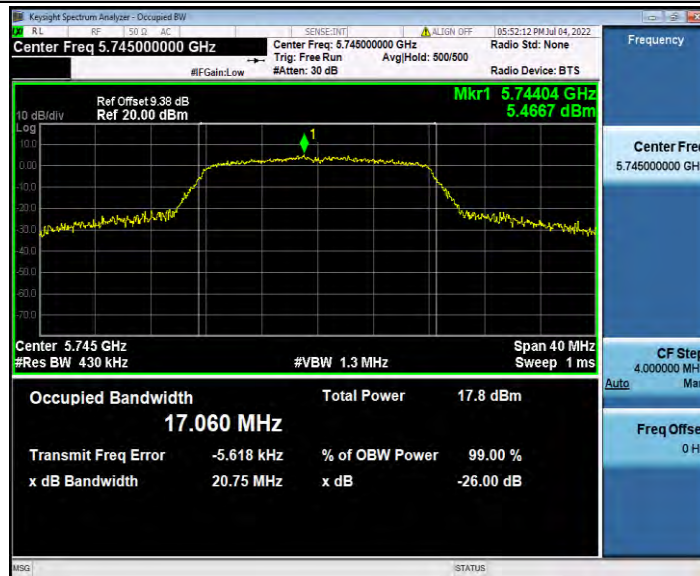
Appendix G.1: Occupied channel bandwidth

Test Result

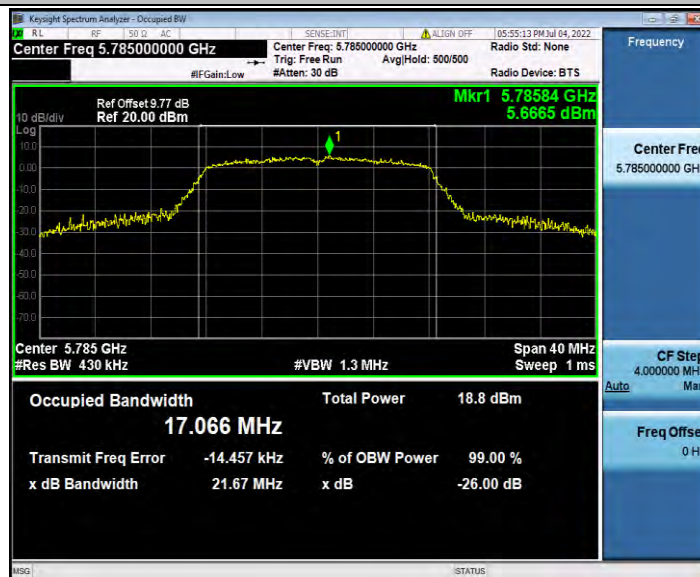
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.060	5736.464	5753.524	---	---
		5785	17.066	5776.453	5793.519	---	---
		5825	17.034	5816.458	5833.492	---	---
11N20SISO	Ant1	5745	18.256	5735.841	5754.097	---	---
		5785	18.267	5775.851	5794.118	---	---
		5825	18.252	5815.874	5834.126	---	---
11N40SISO	Ant1	5755	36.545	5736.749	5773.294	---	---
		5795	36.507	5776.783	5813.290	---	---
11AC20SISO	Ant1	5745	17.975	5736.020	5753.995	---	---
		5785	17.982	5776.000	5793.982	---	---
		5825	17.929	5816.010	5833.939	---	---
11AC40SISO	Ant1	5755	36.287	5736.867	5773.154	---	---
		5795	36.358	5776.874	5813.232	---	---
11AC80SISO	Ant1	5775	75.403	5737.365	5812.768	---	---

Test Graphs

11A_Ant1_5745



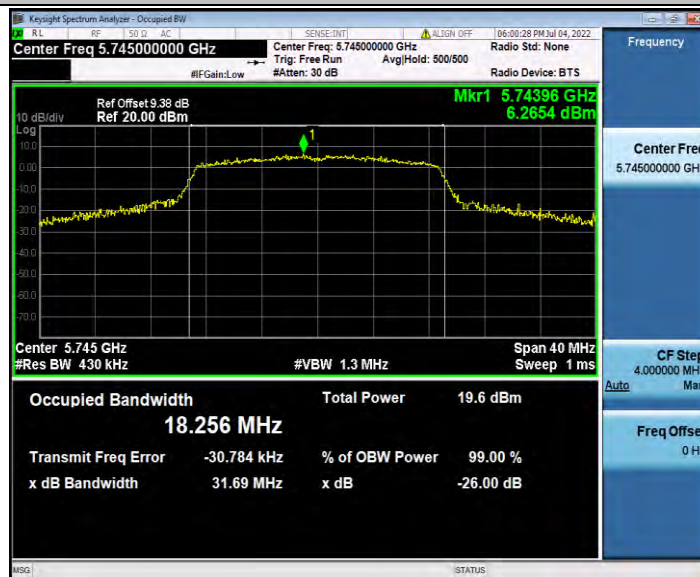
11A_Ant1_5785



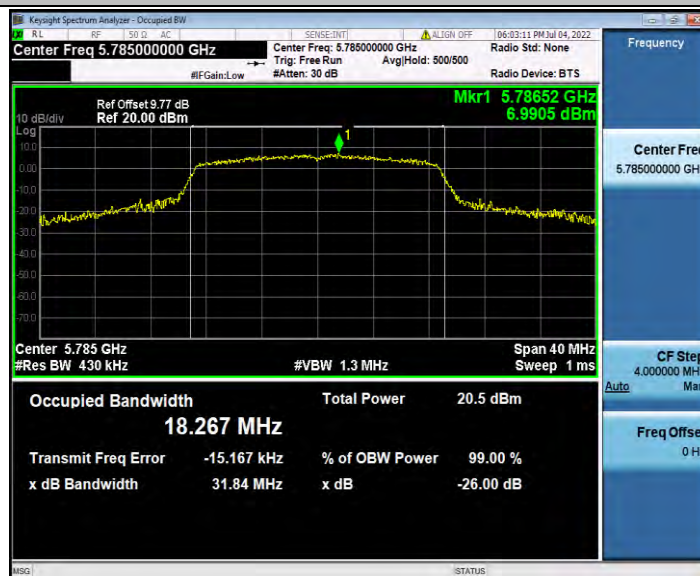
11A_Ant1_5825



11N20SISO_Ant1_5745



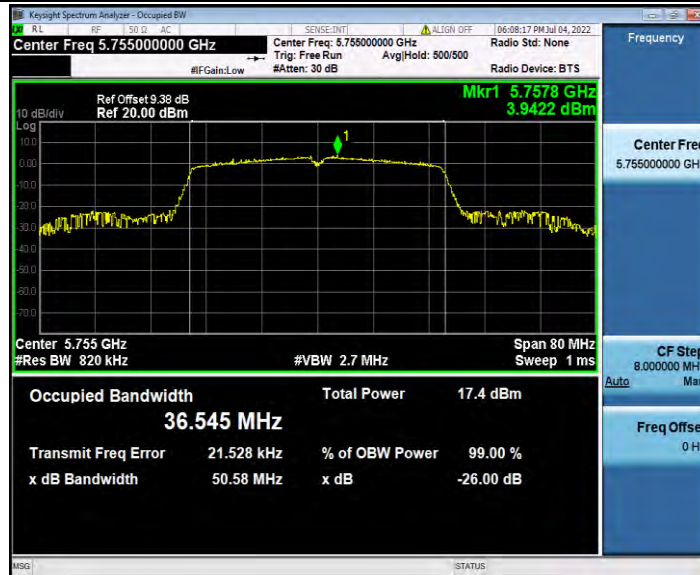
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



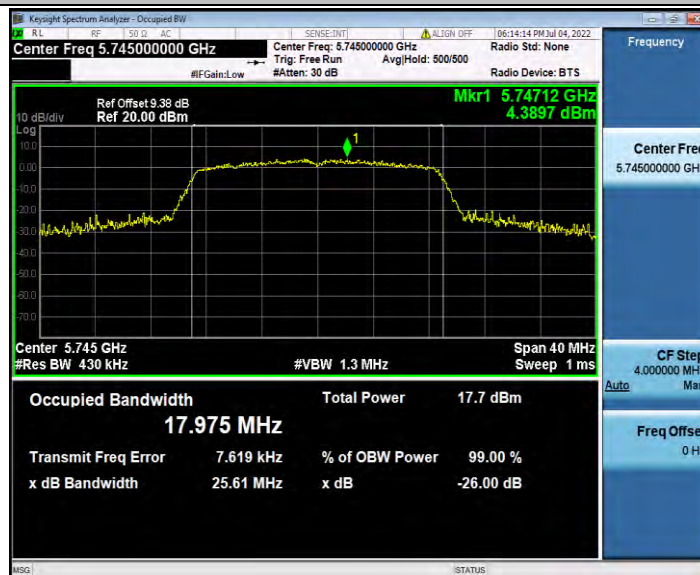
11N40SISO_Ant1_5755



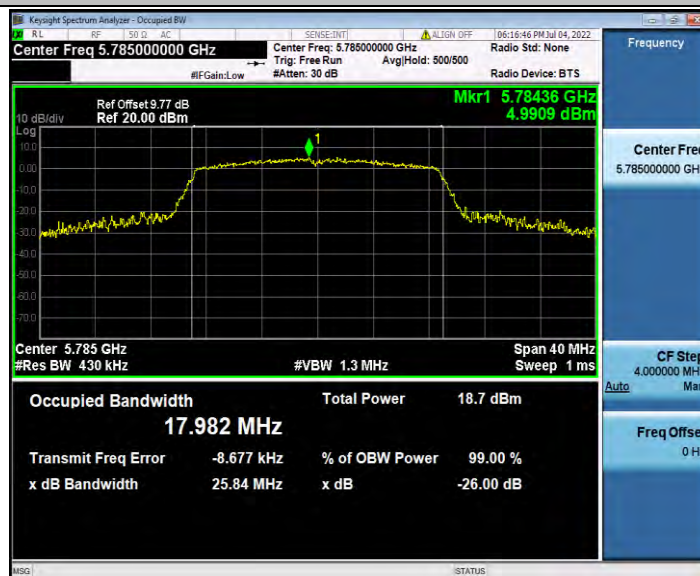
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



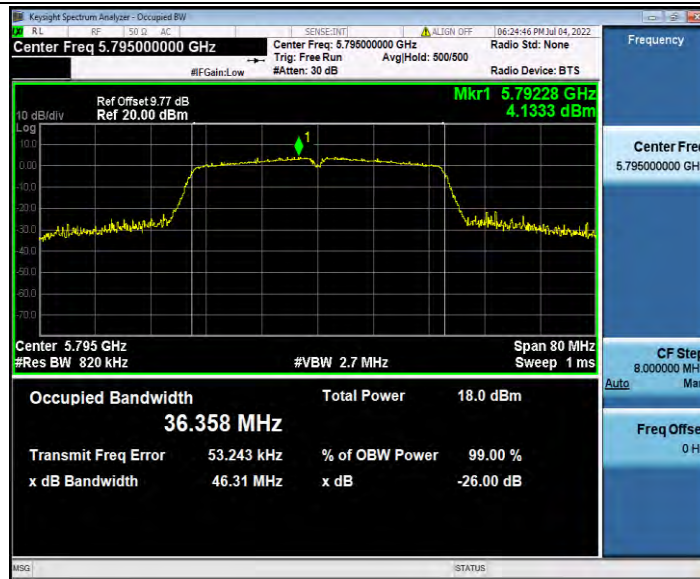
11AC20SISO_Ant1_5825



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	14.880	5737.680	5752.560	0.5	PASS
		5785	13.880	5778.680	5792.560	0.5	PASS
		5825	13.880	5818.680	5832.560	0.5	PASS
11N20SISO	Ant1	5745	15.040	5737.440	5752.480	0.5	PASS
		5785	15.080	5777.440	5792.520	0.5	PASS
		5825	15.080	5817.480	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	15.080	5737.440	5752.520	0.5	PASS
		5785	15.040	5777.440	5792.480	0.5	PASS
		5825	15.120	5817.440	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

Test Graphs B4

11A_Ant1_5745



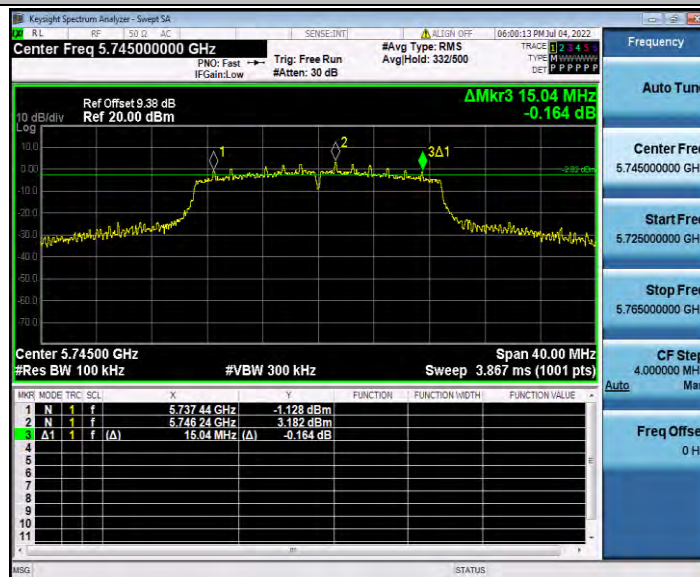
11A_Ant1_5785



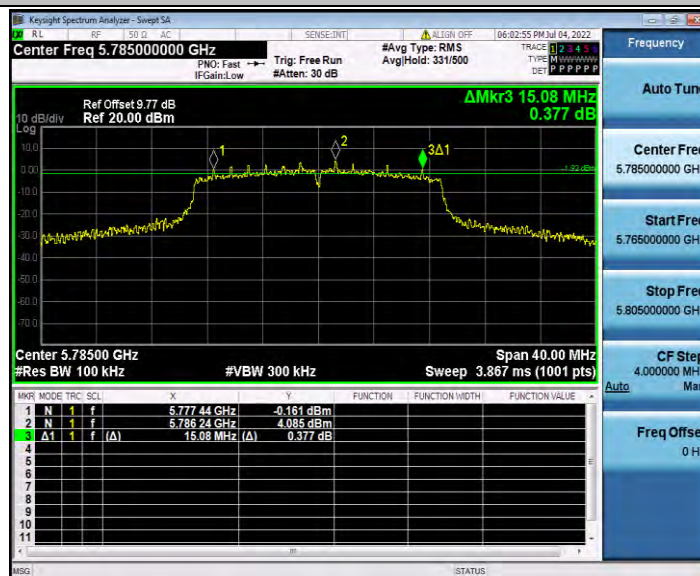
11A_Ant1_5825



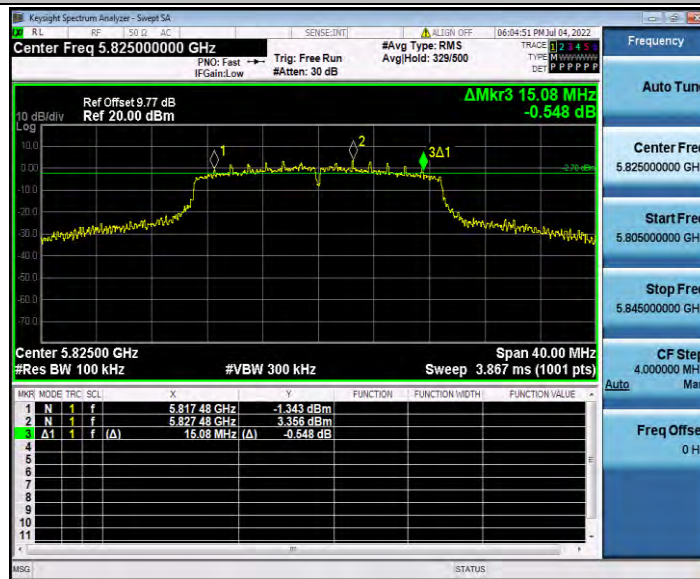
11N20SISO_Ant1_5745



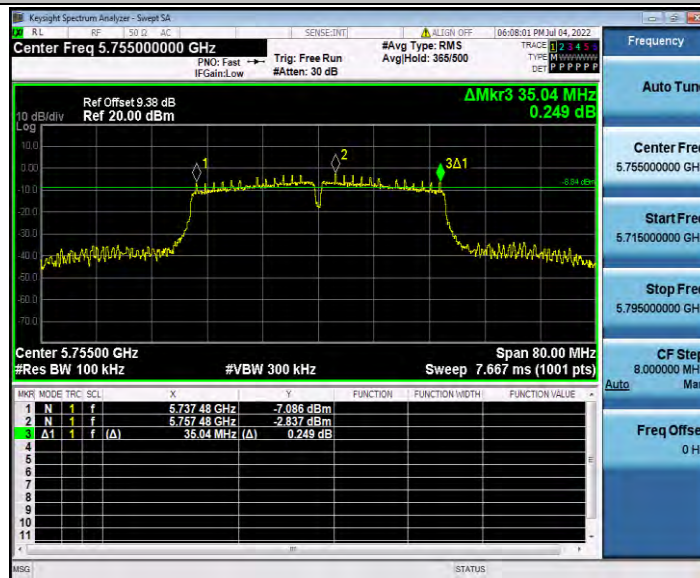
11N20SISO_Ant1_5785



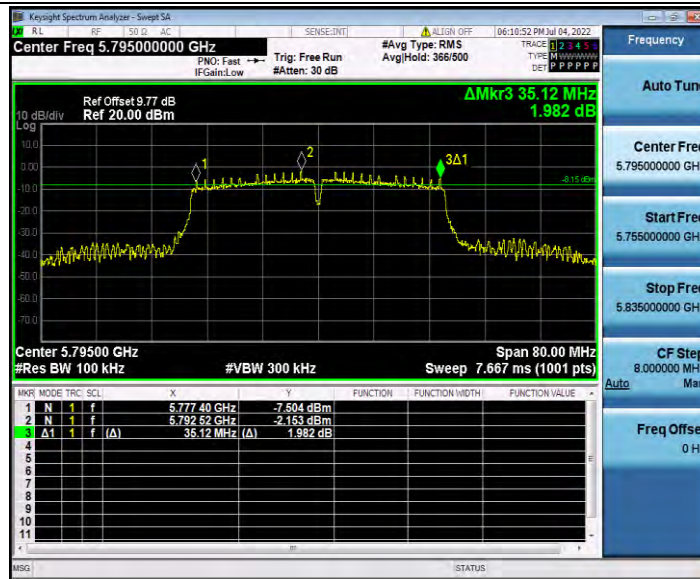
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



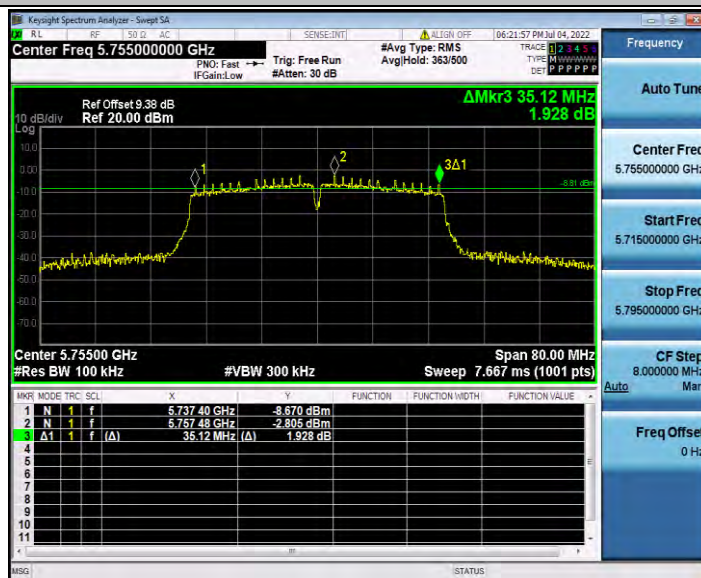
11AC20SISO_Ant1_5785



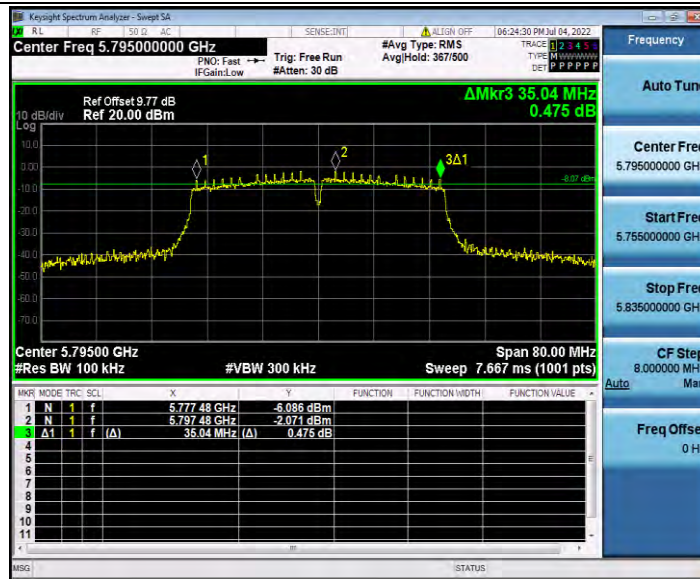
11AC20SISO_Ant1_5825



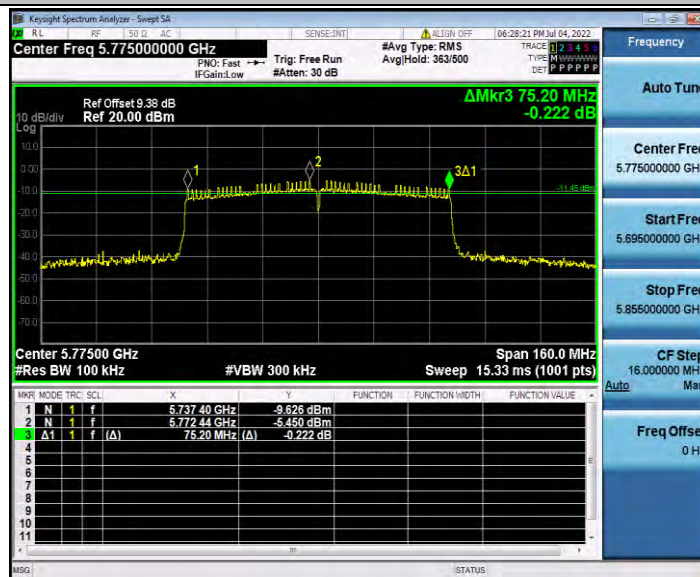
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

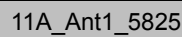
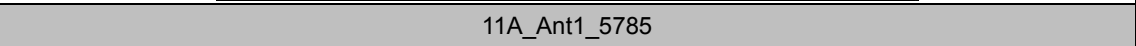


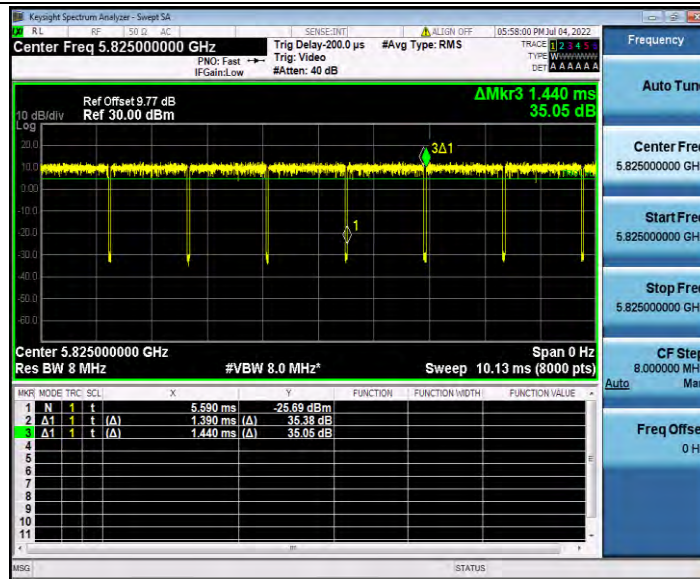
Appendix G.3: Duty Cycle

Test Result

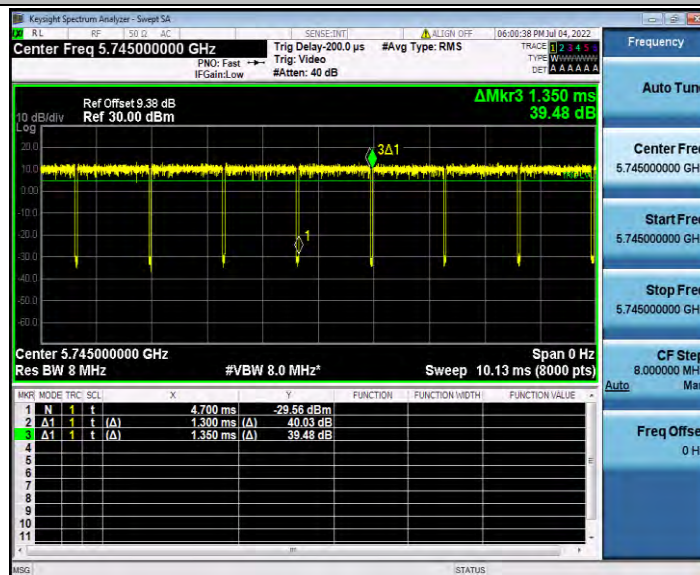
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dBm]
11A	Ant1	5745	1.40	1.44	97.22	0.12
		5785	1.39	1.43	97.20	0.12
		5825	1.39	1.44	96.53	0.15
11N20SISO	Ant1	5745	1.30	1.35	96.30	0.16
		5785	1.30	1.34	97.01	0.13
		5825	1.30	1.34	97.01	0.13
11N40SISO	Ant1	5755	0.65	0.69	94.20	0.26
		5795	0.65	0.69	94.20	0.26
11AC20SISO	Ant1	5745	1.31	1.35	97.04	0.13
		5785	1.31	1.35	97.04	0.13
		5825	1.32	1.36	97.06	0.13
11AC40SISO	Ant1	5755	0.65	0.70	92.86	0.32
		5795	0.65	0.70	92.86	0.32
11AC80SISO	Ant1	5775	0.32	0.36	88.89	0.51

11A_Ant1_5745

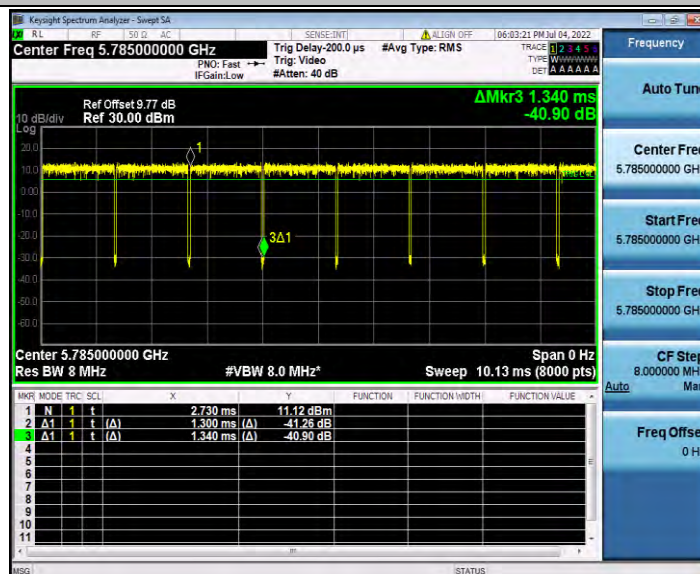




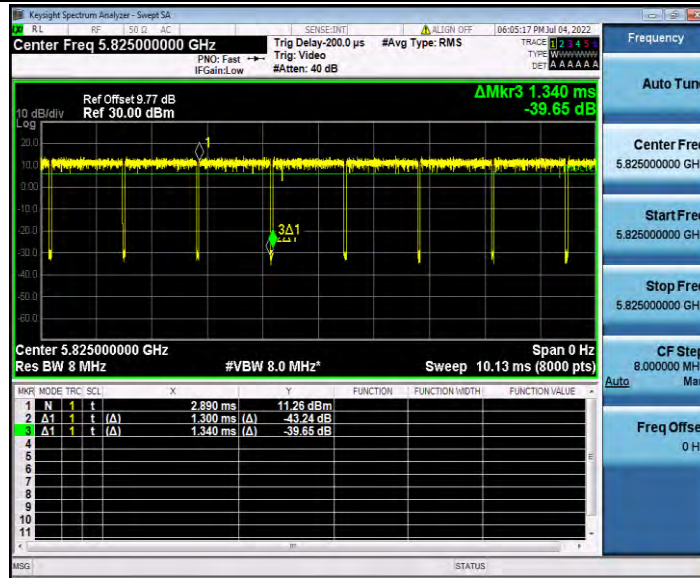
11N20SISO_Ant1_5745



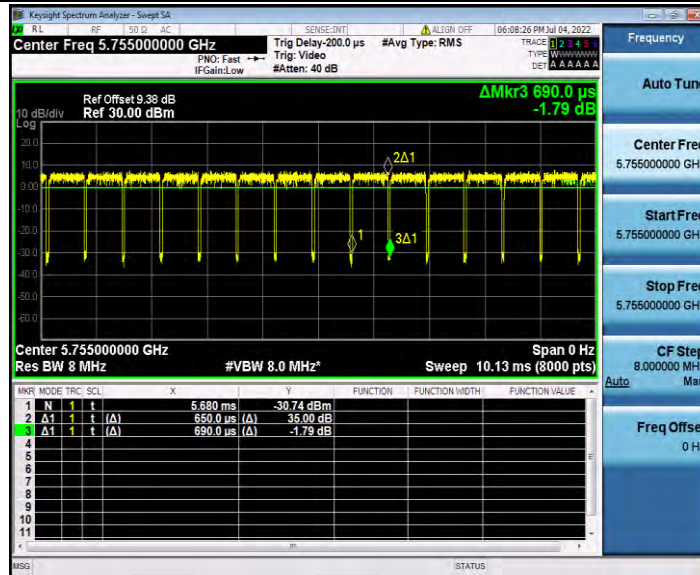
11N20SISO_Ant1_5785



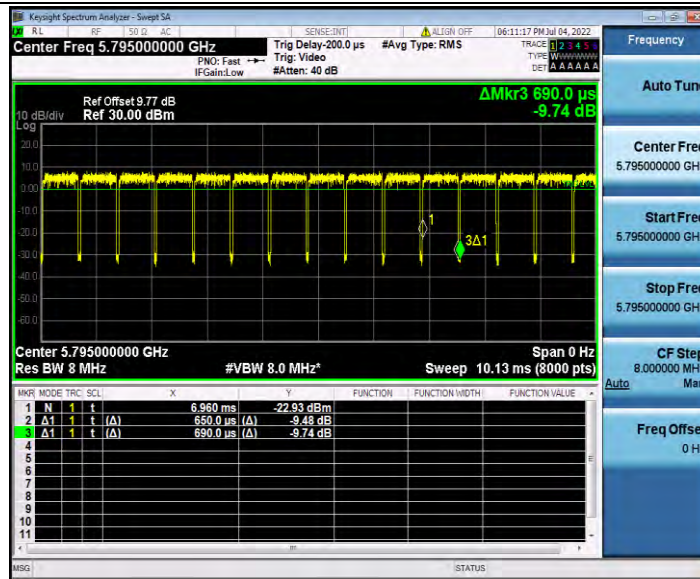
11N20SISO_Ant1_5825



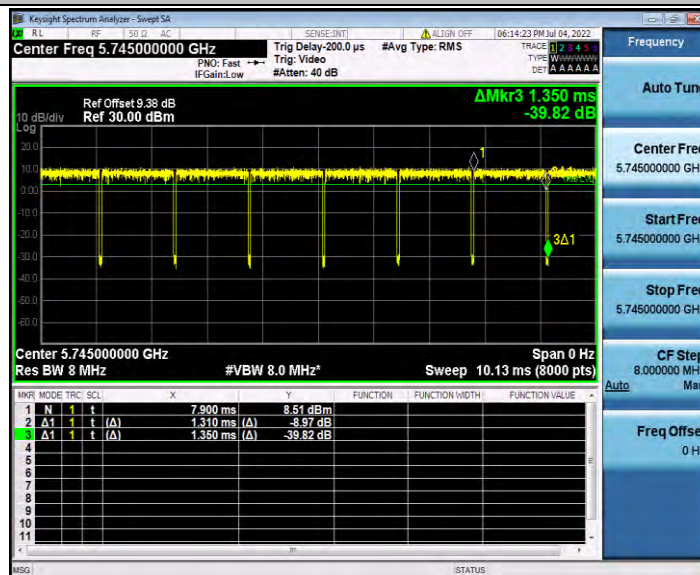
11N40SISO_Ant1_5755



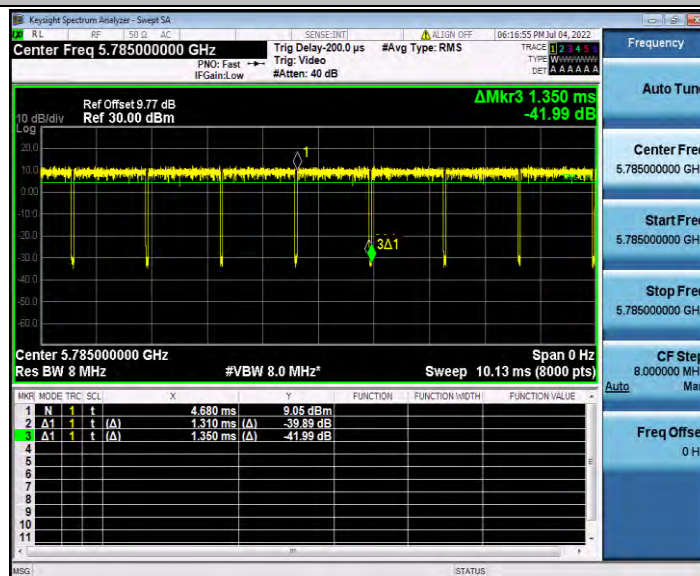
11N40SISO_Ant1_5795



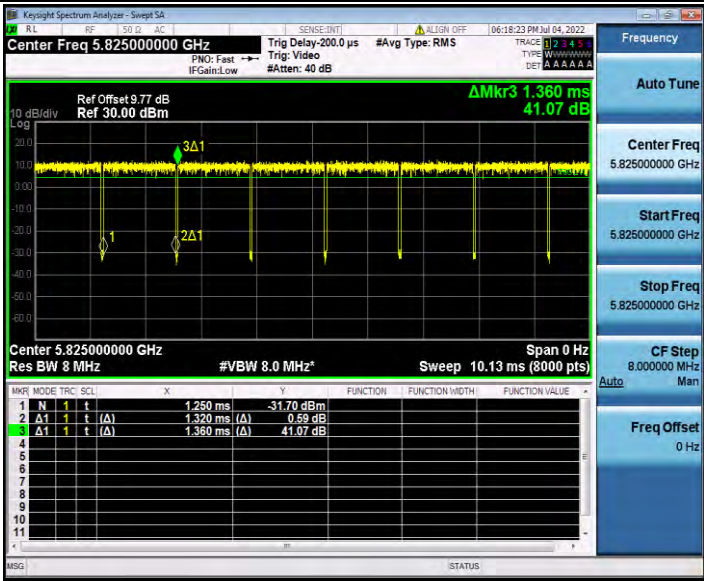
11AC20SISO_Ant1_5745



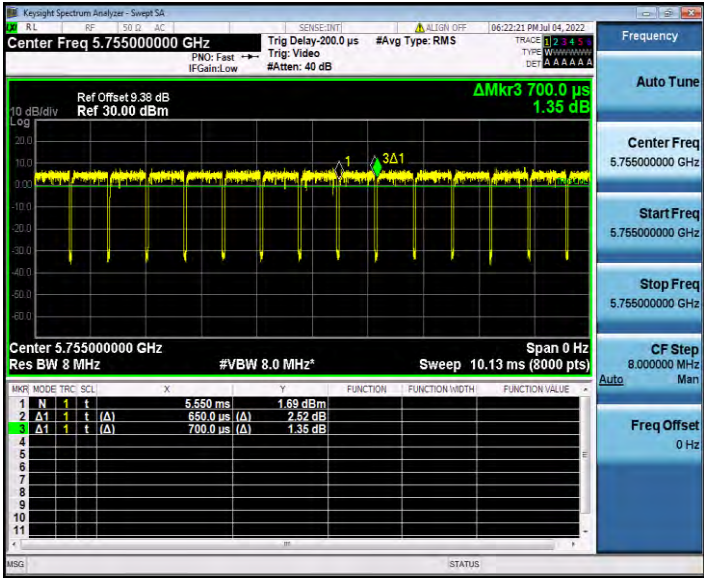
11AC20SISO_Ant1_5785



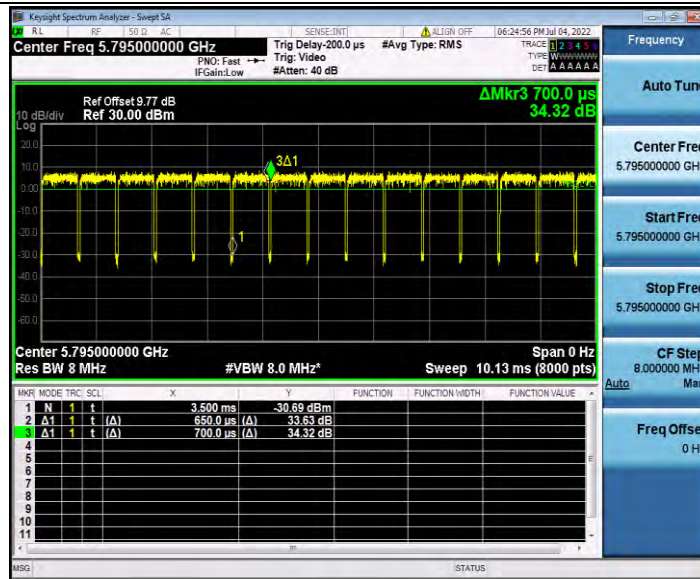
11AC20SISO_Ant1_5825



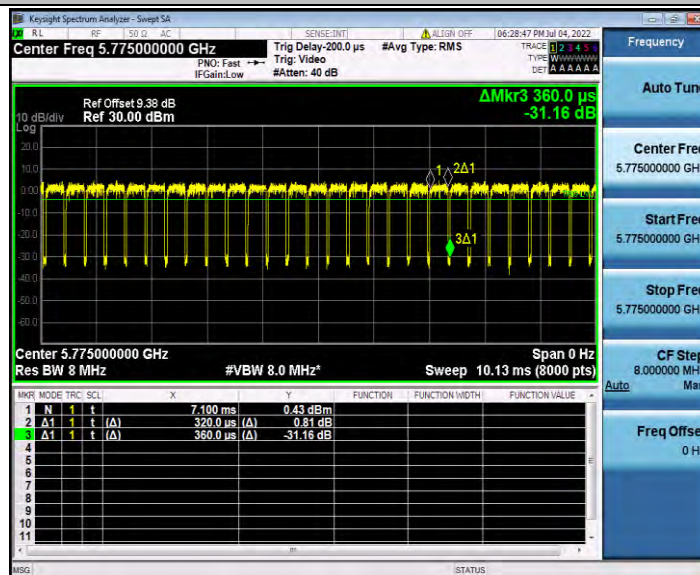
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix G.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	4.47	≤30.00	PASS
		5785	5.23	≤30.00	PASS
		5825	5.91	≤30.00	PASS
11N20SISO	Ant1	5745	6.33	≤30.00	PASS
		5785	6.67	≤30.00	PASS
		5825	7.02	≤30.00	PASS
11N40SISO	Ant1	5755	1.00	≤30.00	PASS
		5795	1.13	≤30.00	PASS
11AC20SISO	Ant1	5745	4.26	≤30.00	PASS
		5785	5.13	≤30.00	PASS
		5825	5.12	≤30.00	PASS
11AC40SISO	Ant1	5755	0.94	≤30.00	PASS
		5795	0.78	≤30.00	PASS
11AC80SISO	Ant1	5775	-2.43	≤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



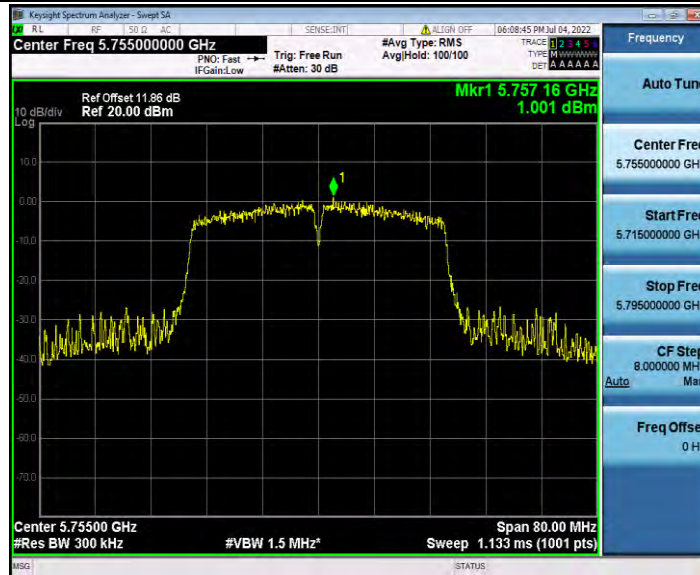
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



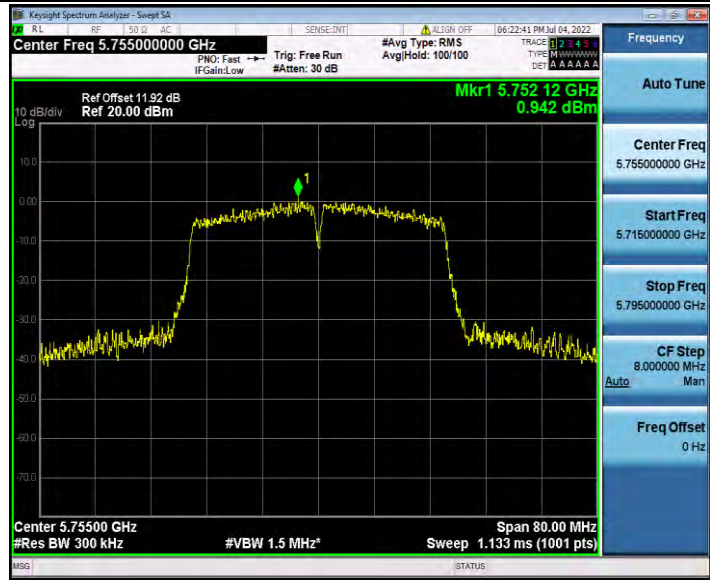
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix G.5: Band edge measurements

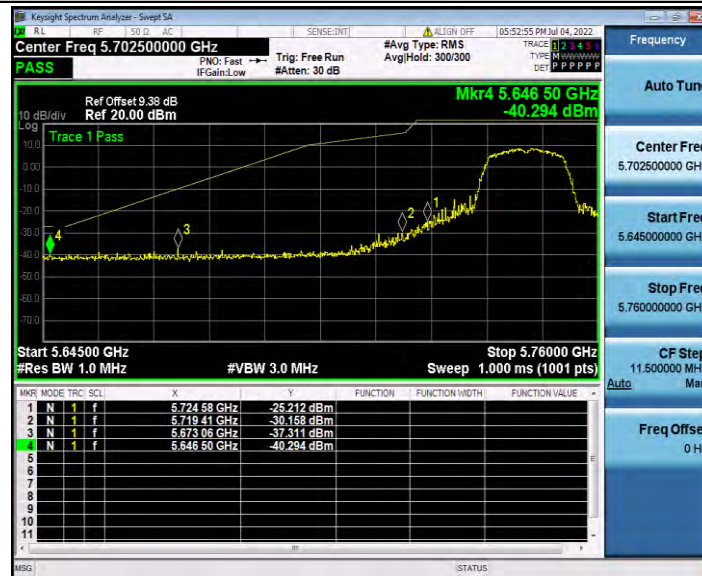
Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-37.31	≤-9.94	PASS
				5700~5720	-30.16	≤15.43	PASS
				5720~5725	-25.21	≤26.04	PASS
				5760~5650	-40.29	≤-27	PASS
		High	5825	5850~5855	-28.76	≤17.33	PASS
				5855~5875	-33.77	≤10.59	PASS
				5875~5925	-37.99	≤-16.57	PASS
				5925~5935	-38.84	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-35.15	≤6.15	PASS
				5700~5720	-26.57	≤15.56	PASS
				5720~5725	-19.97	≤25.78	PASS
				5760~5650	-39.79	≤-27	PASS
		High	5825	5850~5855	-26.93	≤24.10	PASS
				5855~5875	-30.38	≤10.36	PASS
				5875~5925	-38.14	≤-23.76	PASS
				5925~5935	-38.79	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-32.51	≤7.96	PASS
				5700~5720	-22.79	≤15.50	PASS
				5720~5725	-20.92	≤23.43	PASS
				5780~5650	-39.93	≤-27	PASS
		High	5795	5850~5855	-34.53	≤18.67	PASS
				5855~5875	-36.84	≤12.44	PASS
				5875~5925	-38.09	≤-21.55	PASS
				5925~5935	-38.68	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-38.32	≤0.45	PASS
				5700~5720	-31.07	≤15.01	PASS
				5720~5725	-24.67	≤23.68	PASS
				5760~5650	-38.84	≤-27	PASS
		High	5825	5850~5855	-32.6	≤21.03	PASS
				5855~5875	-33.23	≤10.32	PASS
				5875~5925	-37.9	≤9.01	PASS
				5925~5935	-37.33	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-36.99	≤9.26	PASS
				5700~5720	-27.19	≤15.58	PASS
				5720~5725	-25.48	≤22.82	PASS

		High	5795	5780~5650	-40.07	≤ -27	PASS
				5850~5855	-36.56	≤ 19.80	PASS
				5855~5875	-37.56	≤ 15.31	PASS
				5875~5925	-38.1	≤ -6.04	PASS
				5925~5935	-38.91	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-28.06	≤ 6.92	PASS
				5700~5720	-27.53	≤ 13.91	PASS
				5720~5725	-26.76	≤ 26.95	PASS
				5800~5650	-39.34	≤ -27	PASS
		High	5775	5850~5855	-30.37	≤ 17.06	PASS
				5855~5875	-30.63	≤ 10.33	PASS
				5875~5925	-37.76	≤ -25.31	PASS
				5925~5935	-39.67	≤ -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.6: Conducted Spurious Emission

Test Result

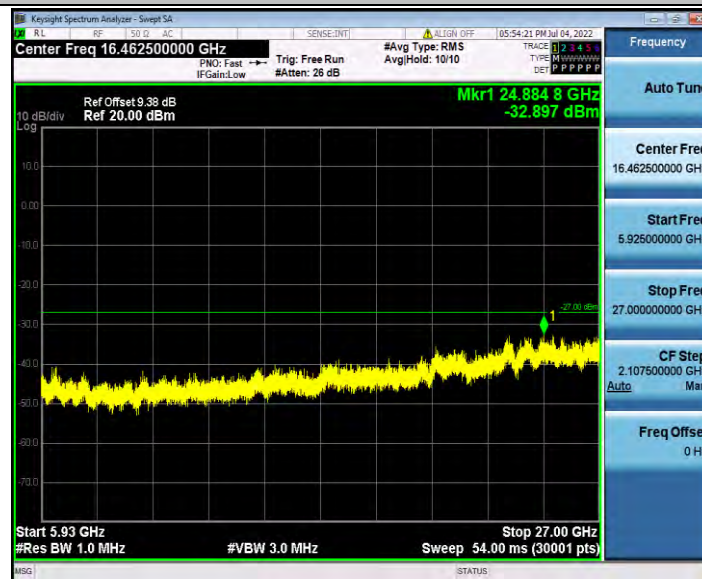
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	3063.3	-41.1	≤-27	PASS
			5925~40000	24884.77	-32.9	≤-27	PASS
		5785	30~5650	5542.85	-40.94	≤-27	PASS
			5925~40000	26840.53	-32.03	≤-27	PASS
		5825	30~5650	5423.89	-41.24	≤-27	PASS
			5925~40000	23472.75	-32.2	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5480.28	-40.15	≤-27	PASS
			5925~40000	26874.25	-32.51	≤-27	PASS
		5785	30~5650	5388.67	-40.84	≤-27	PASS
			5925~40000	25608.35	-31.77	≤-27	PASS
		5825	30~5650	5407.03	-40.11	≤-27	PASS
			5925~40000	26506.85	-31.68	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5565.14	-39.3	≤-27	PASS
			5925~40000	26631.89	-33.1	≤-27	PASS
		5795	30~5650	5543.78	-40.07	≤-27	PASS
			5925~40000	23507.87	-32.08	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	4088.58	-41.44	≤-27	PASS
			5925~40000	24315.05	-32.44	≤-27	PASS
		5785	30~5650	5507.44	-40.12	≤-27	PASS
			5925~40000	23502.96	-32.02	≤-27	PASS
		5825	30~5650	5551.46	-40.53	≤-27	PASS
			5925~40000	26121.88	-31.65	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	2586.35	-41.55	≤-27	PASS
			5925~40000	24816.63	-32.81	≤-27	PASS
		5795	30~5650	5644.57	-40.39	≤-27	PASS
			5925~40000	24702.12	-32.42	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5647.75	-40.05	≤-27	PASS
			5925~40000	24172.44	-33.12	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



11A_Ant1_5745_5925~40000



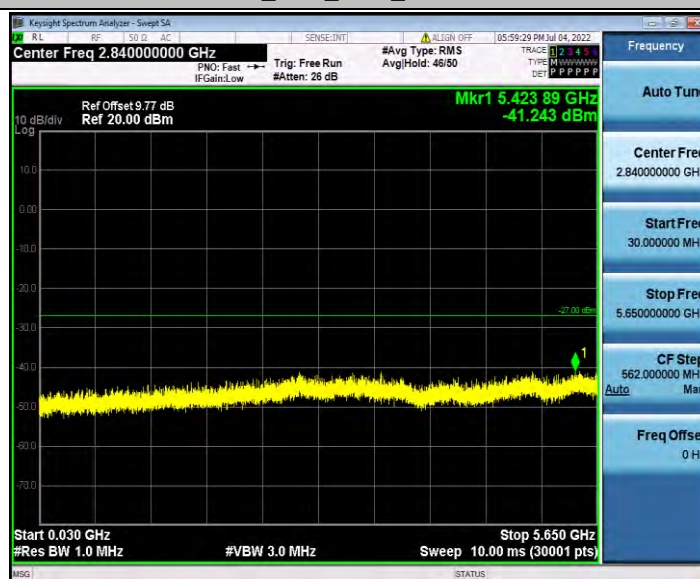
11A_Ant1_5785_30~5650



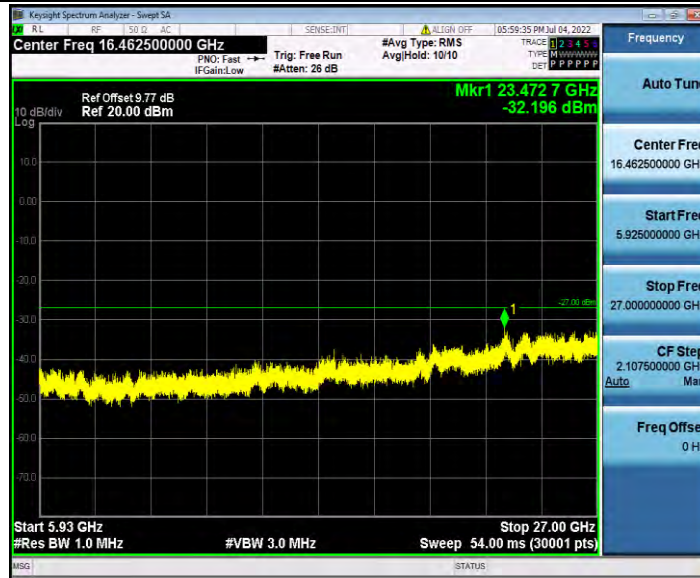
11A_Ant1_5785_5925~40000



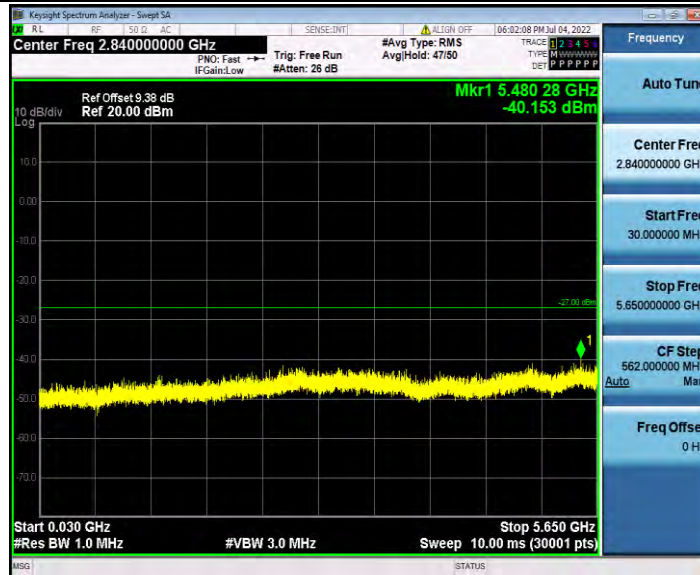
11A_Ant1_5825_30~5650



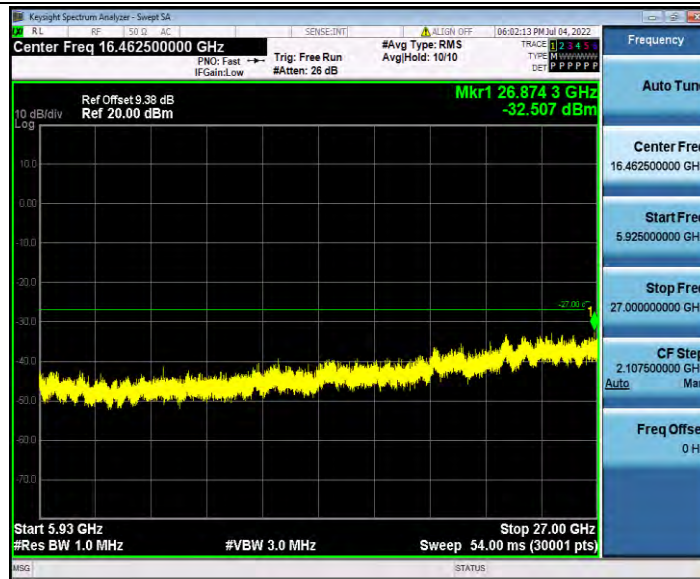
11A_Ant1_5825_5925~40000



11N20SISO_Ant1_5745_30~5650



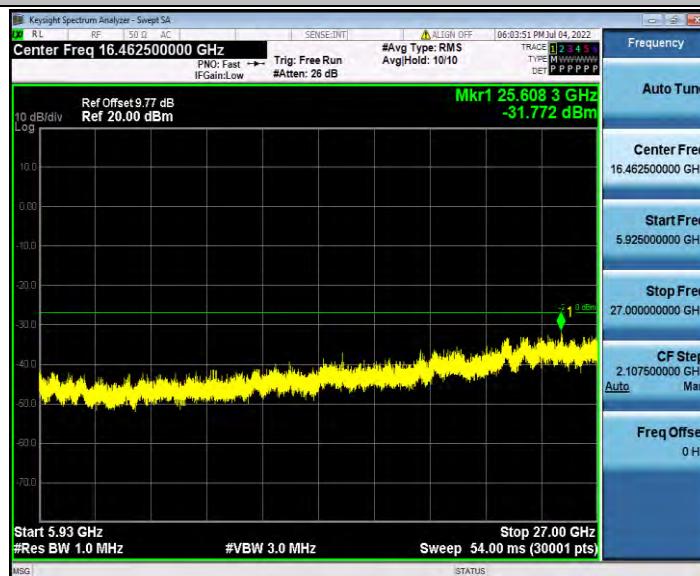
11N20SISO_Ant1_5745_5925~40000



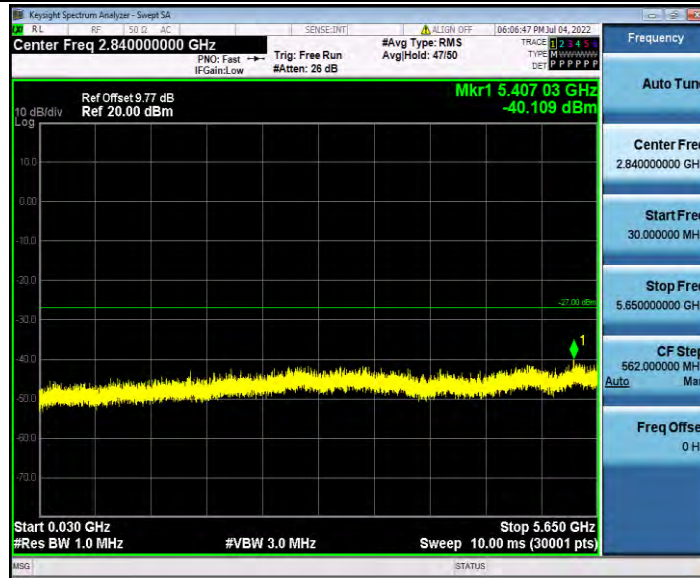
11N20SISO_Ant1_5785_30~5650



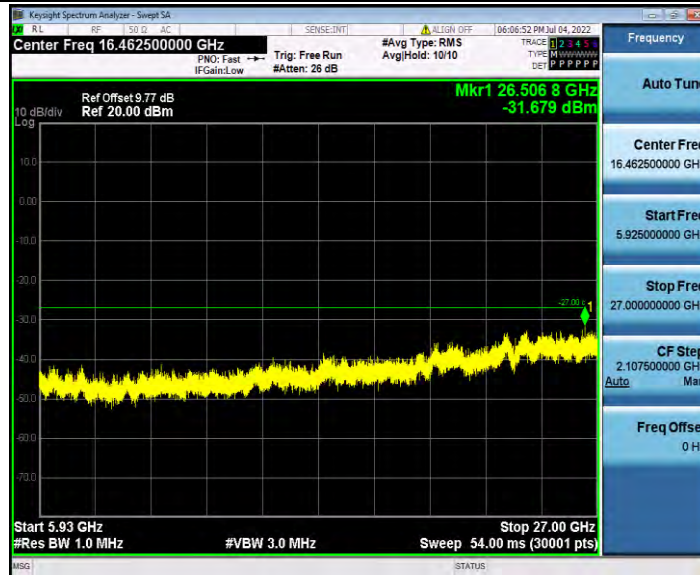
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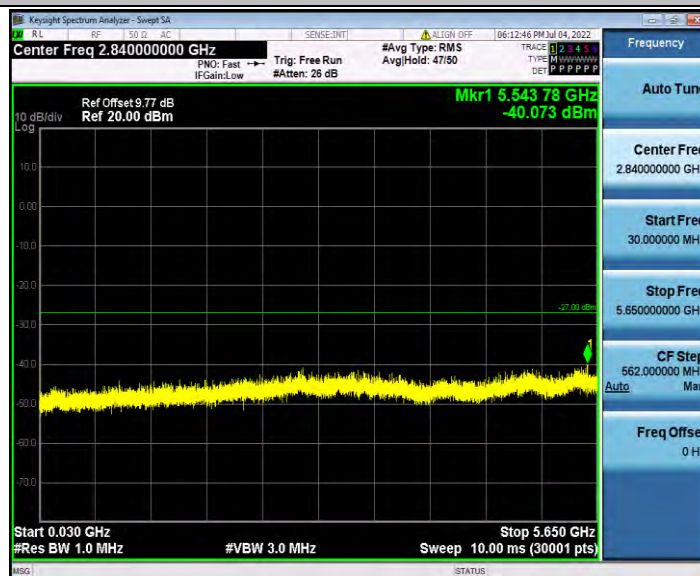
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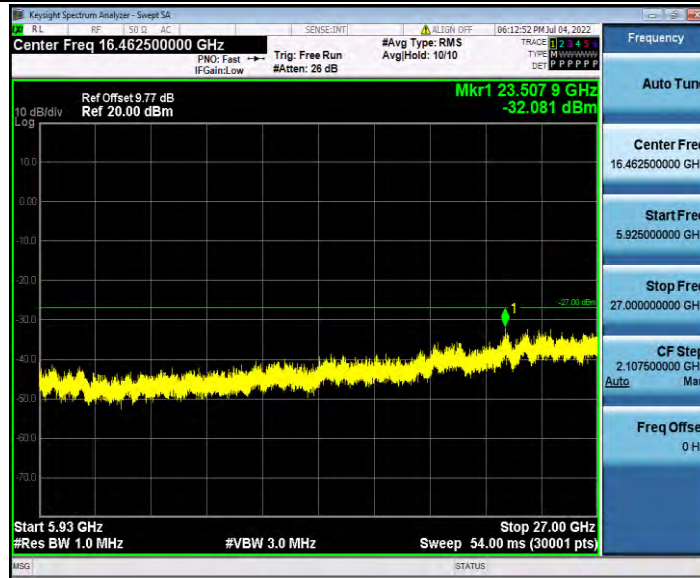
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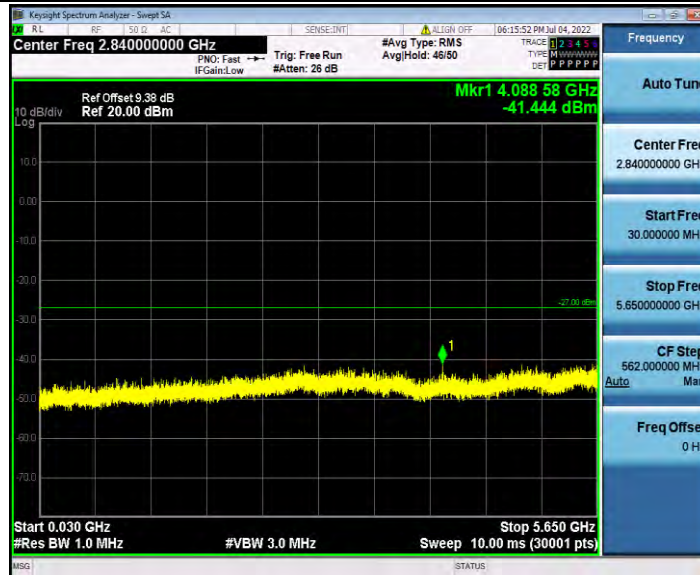
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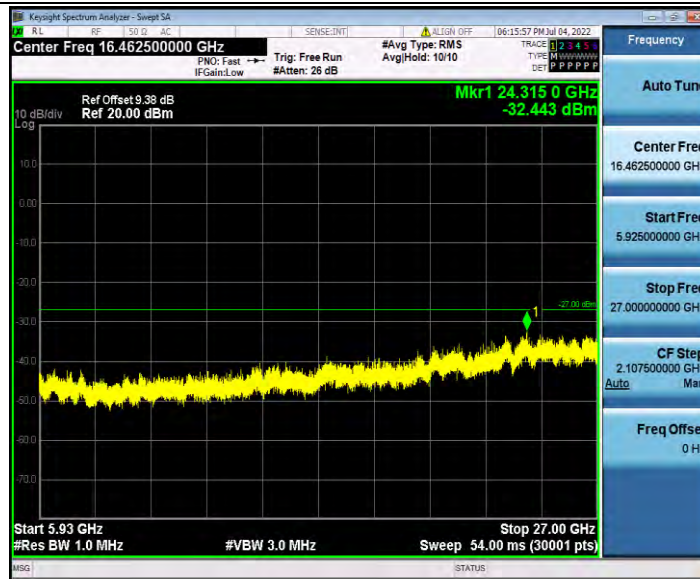
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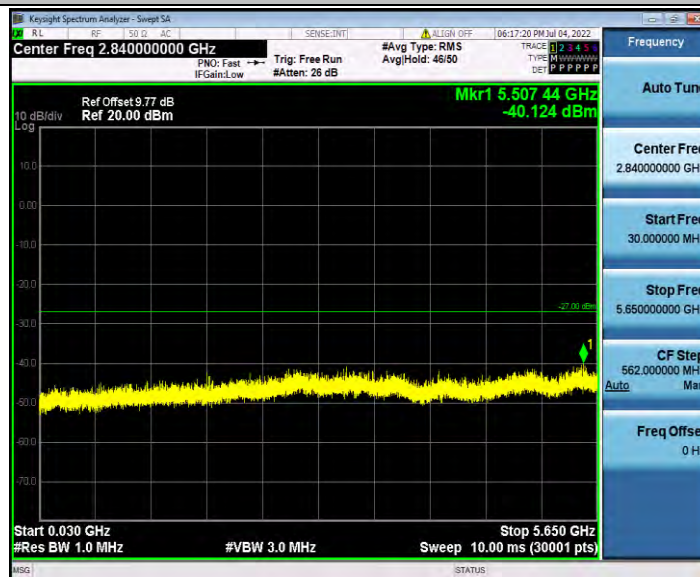
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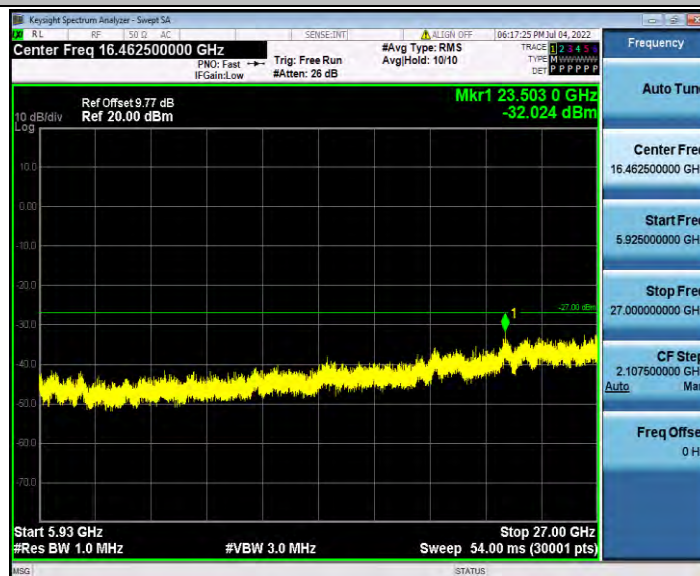
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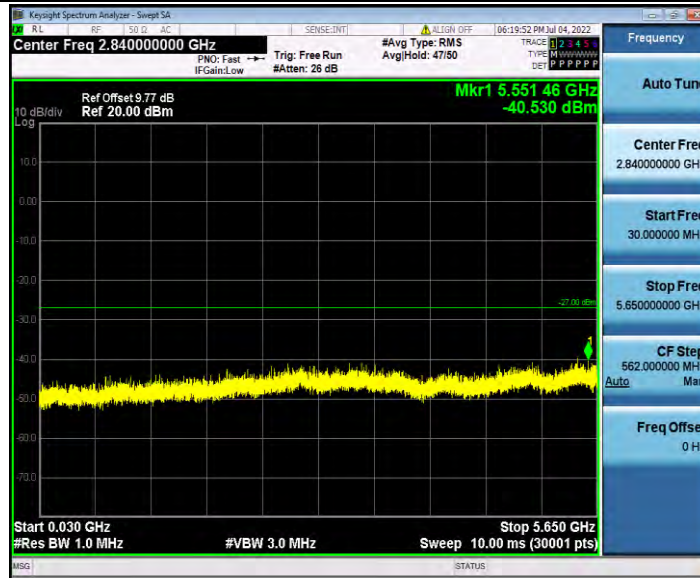
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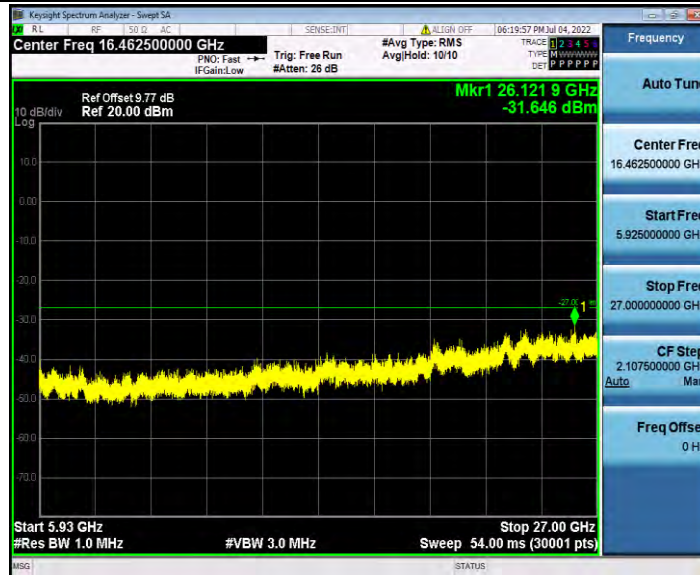
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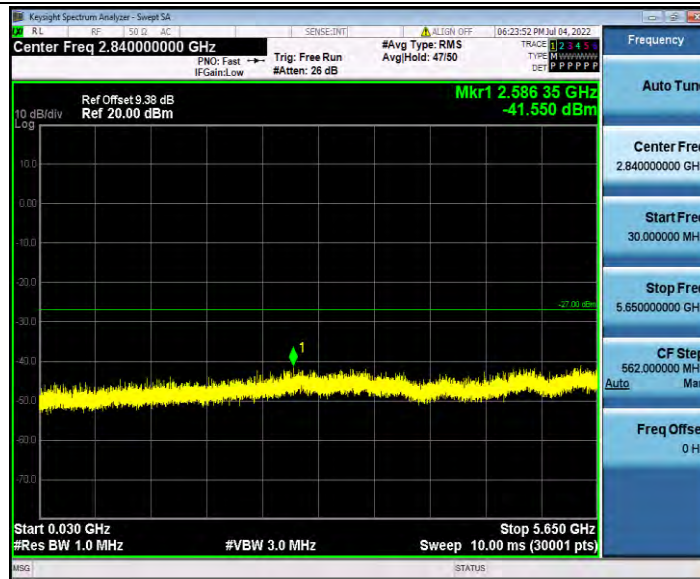
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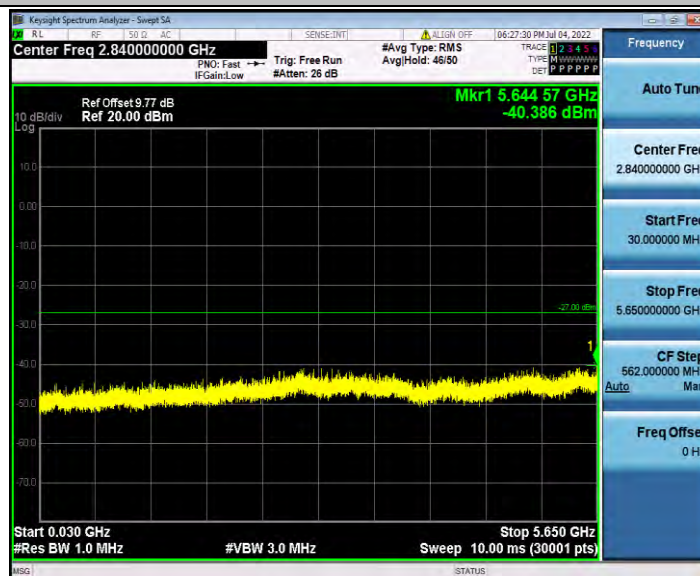
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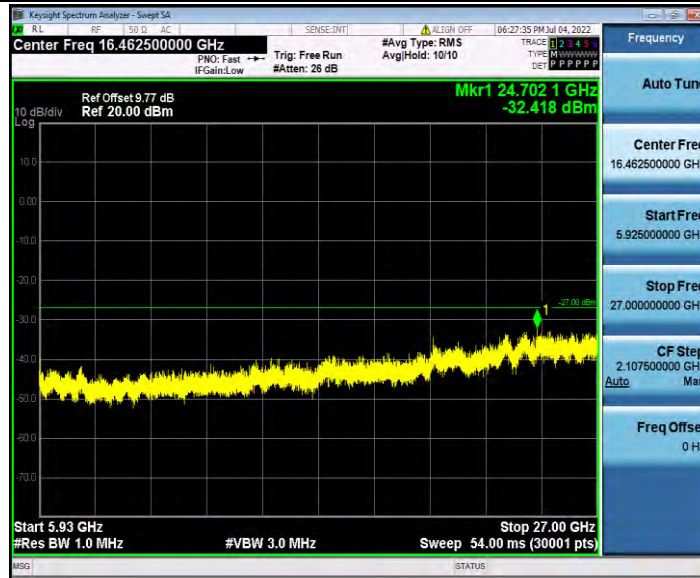
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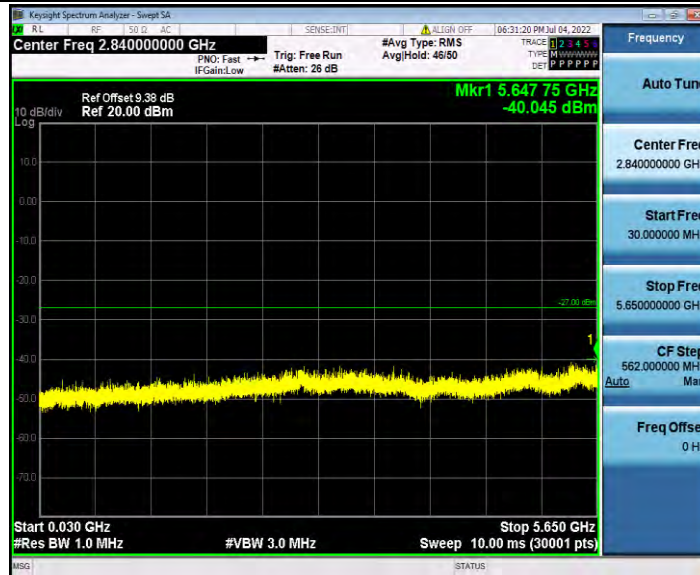
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