

Case No. : GTS20220510015-1-9	
Ambient Condition: 24 °C, 42 %RH,	
Test Date: 2022/6/6	Test Engineer: Jenny Zeng

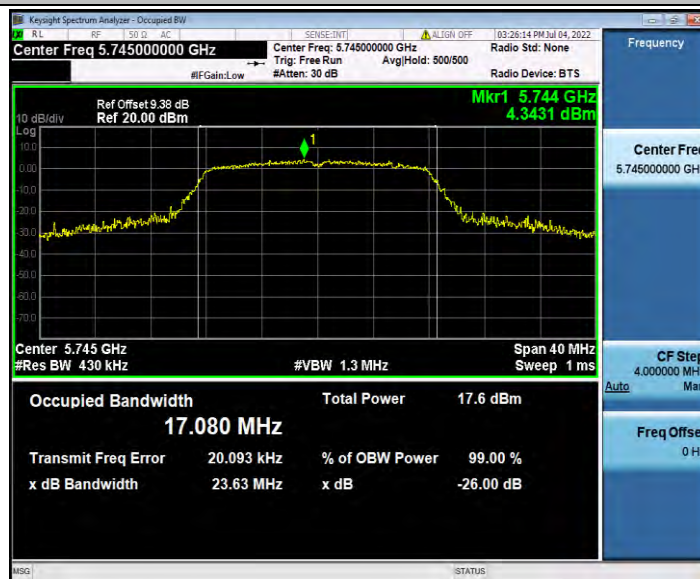
Appendix E.1: Occupied channel bandwidth

Test Result

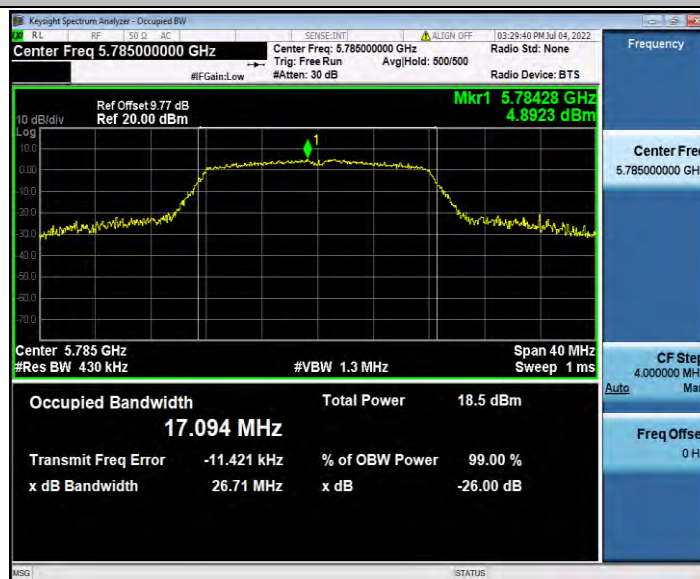
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.080	5736.480	5753.560	---	---
		5785	17.094	5776.442	5793.536	---	---
		5825	17.058	5816.436	5833.494	---	---
11N20SISO	Ant1	5745	18.044	5735.978	5754.022	---	---
		5785	17.970	5776.007	5793.977	---	---
		5825	18.239	5815.836	5834.075	---	---
11N40SISO	Ant1	5755	36.517	5736.779	5773.296	---	---
		5795	36.603	5776.775	5813.378	---	---
11AC20SISO	Ant1	5745	18.020	5735.968	5753.988	---	---
		5785	17.964	5776.028	5793.992	---	---
		5825	17.982	5815.998	5833.980	---	---
11AC40SISO	Ant1	5755	36.228	5736.889	5773.117	---	---
		5795	36.401	5776.846	5813.247	---	---
11AC80SISO	Ant1	5775	75.442	5737.384	5812.826	---	---

Test Graphs

11A_Ant1_5745



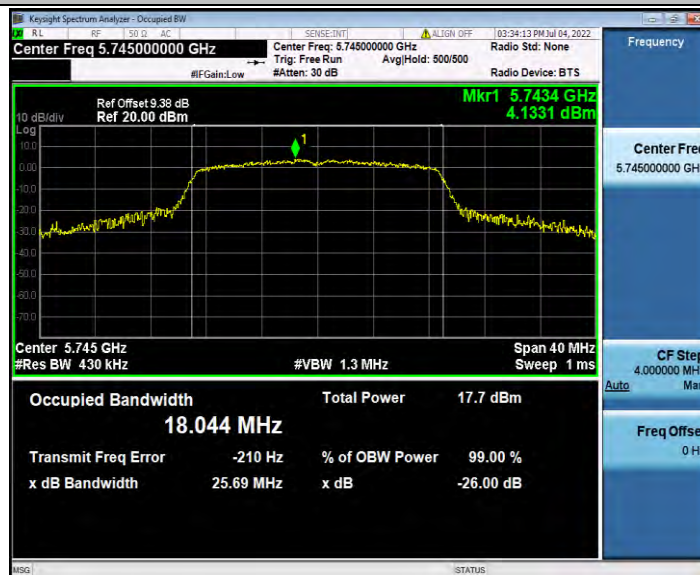
11A_Ant1_5785



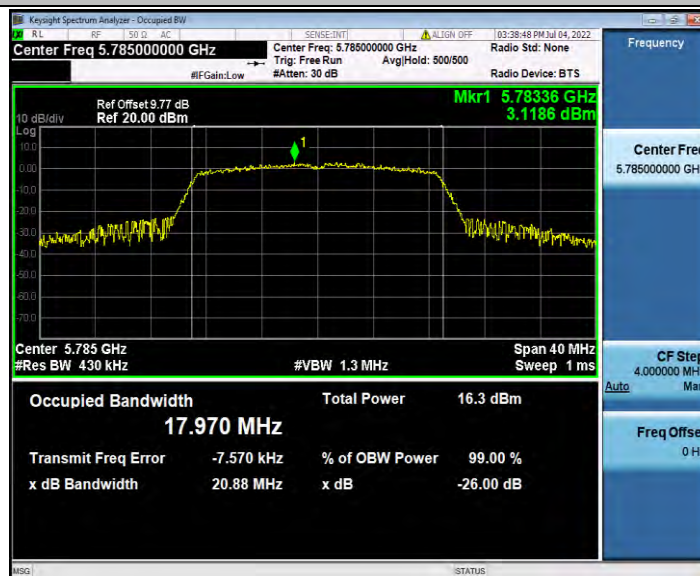
11A_Ant1_5825



11N20SISO_Ant1_5745



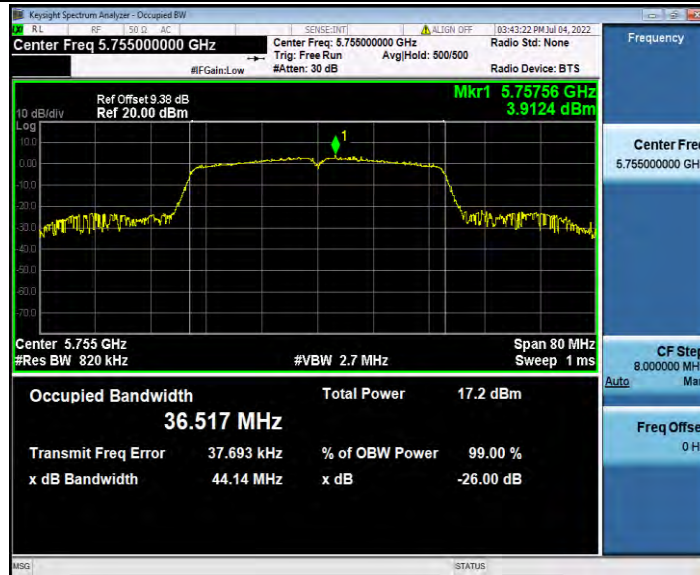
11N20SISO_Ant1_5785



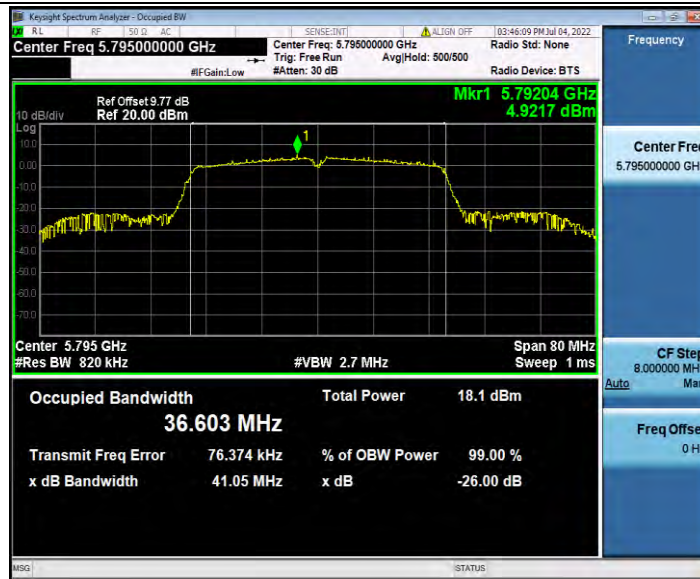
11N20SISO_Ant1_5825



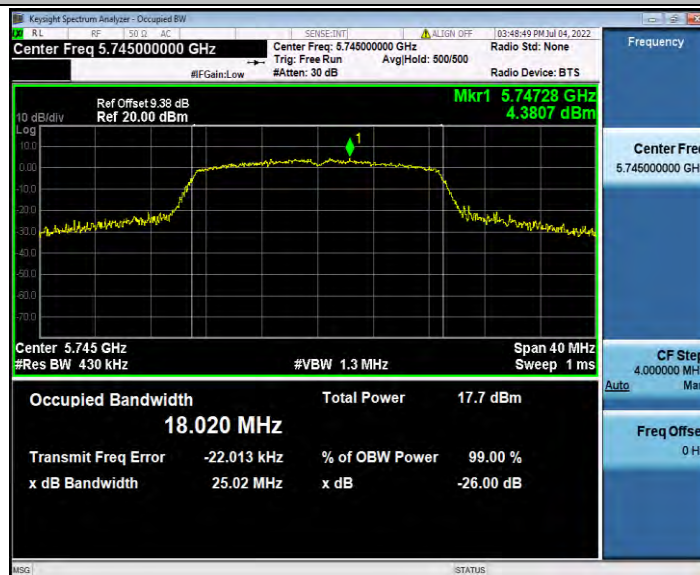
11N40SISO_Ant1_5755



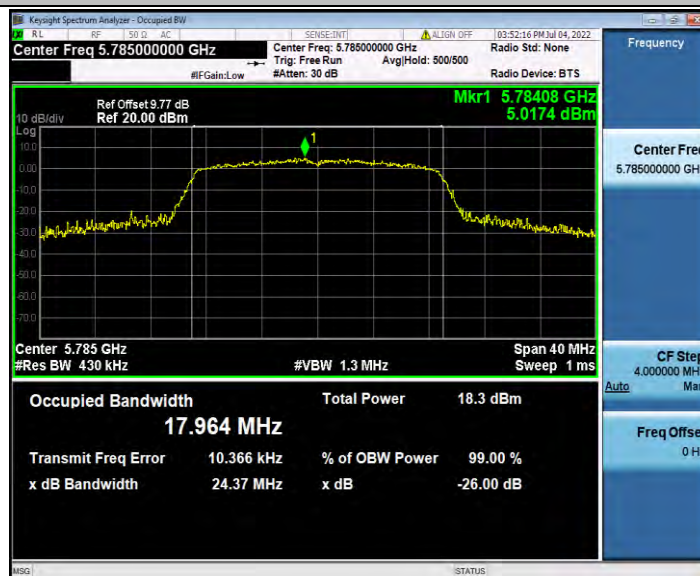
11N40SISO_Ant1_5795



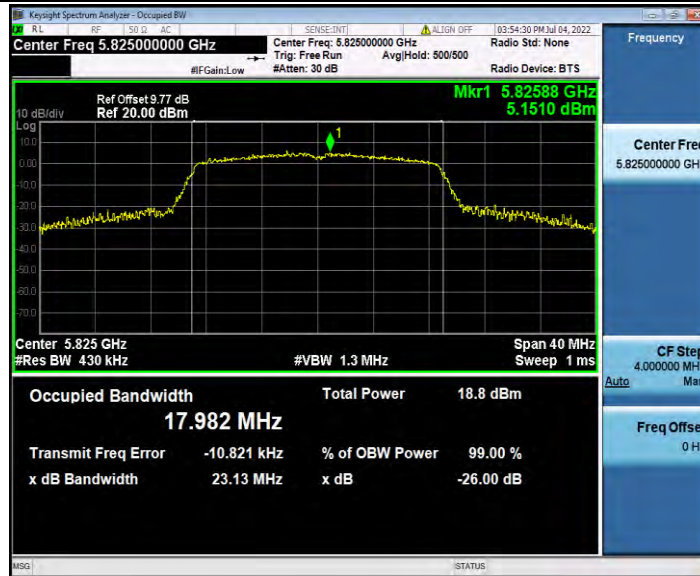
11AC20SISO_Ant1_5745



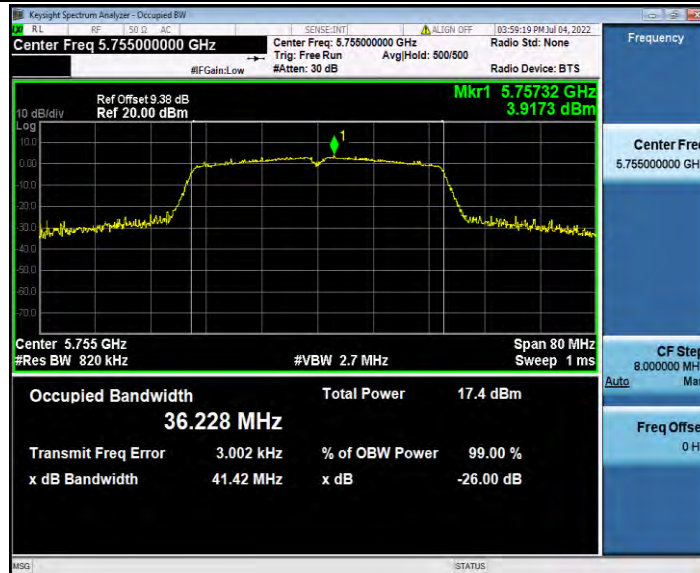
11AC20SISO_Ant1_5785



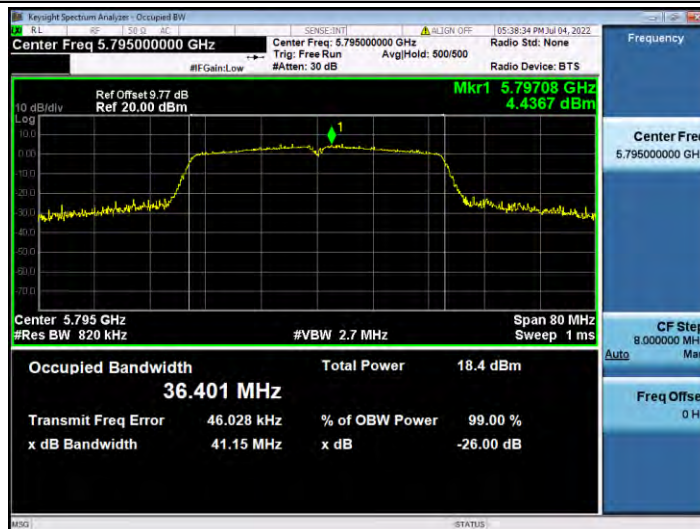
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix E.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	15.080	5777.440	5792.520	0.5	PASS
		5825	15.080	5817.440	5832.520	0.5	PASS
11N20SISO	Ant1	5745	15.040	5737.440	5752.480	0.5	PASS
		5785	15.120	5777.440	5792.560	0.5	PASS
		5825	15.080	5817.440	5832.520	0.5	PASS
11N40SISO	Ant1	5755	35.120	5737.400	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	15.160	5777.400	5792.560	0.5	PASS
		5825	13.760	5817.520	5831.280	0.5	PASS
11AC40SISO	Ant1	5755	35.120	5737.400	5772.520	0.5	PASS
		5795	35.120	5777.400	5812.520	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

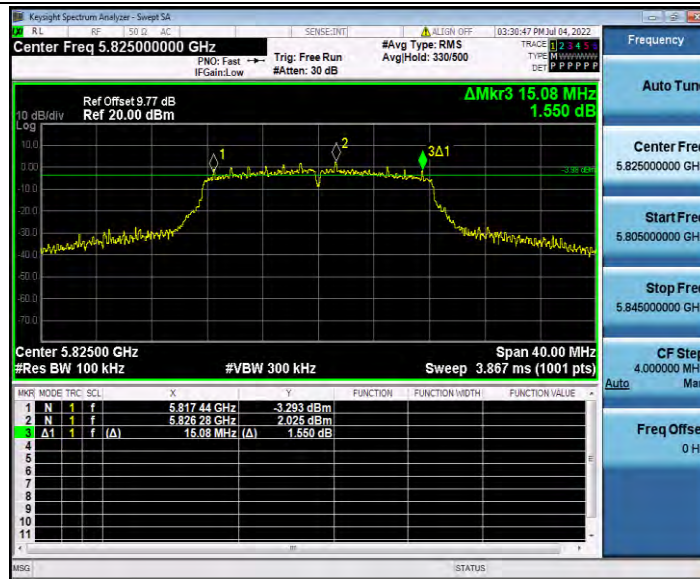
11A_Ant1_5745



11A_Ant1_5785



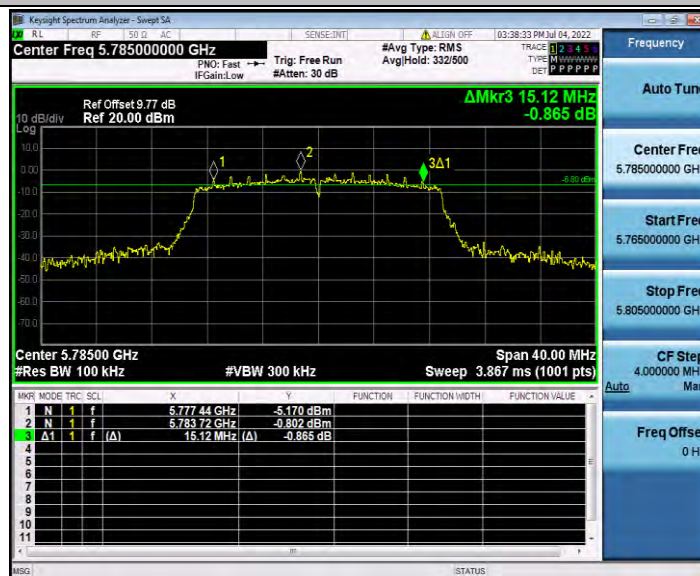
11A_Ant1_5825



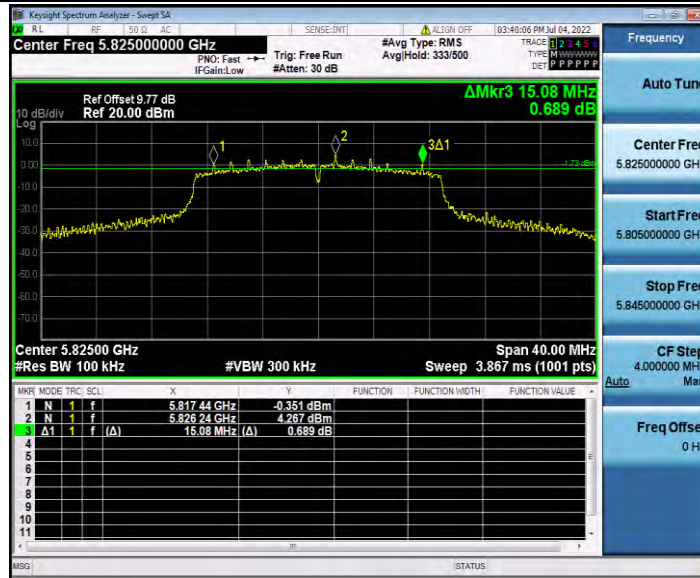
11N20SISO_Ant1_5745



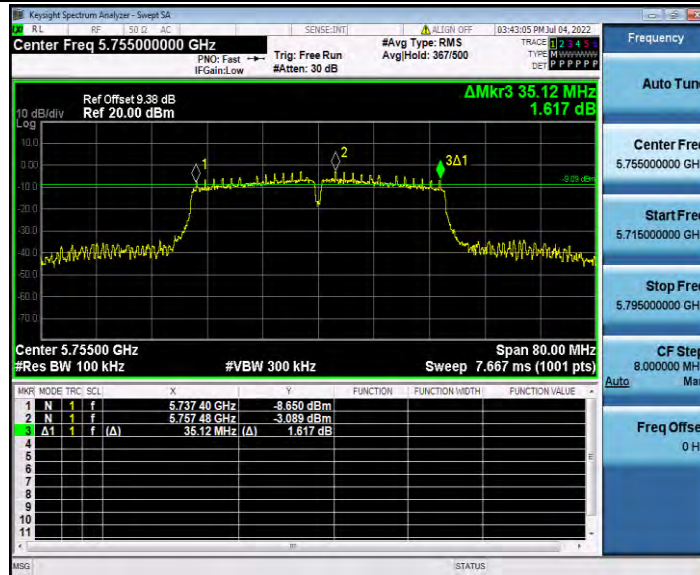
11N20SISO_Ant1_5785



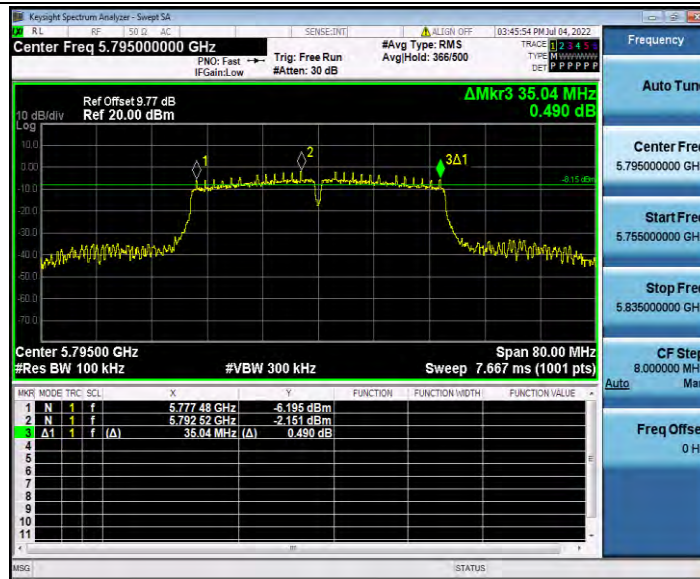
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



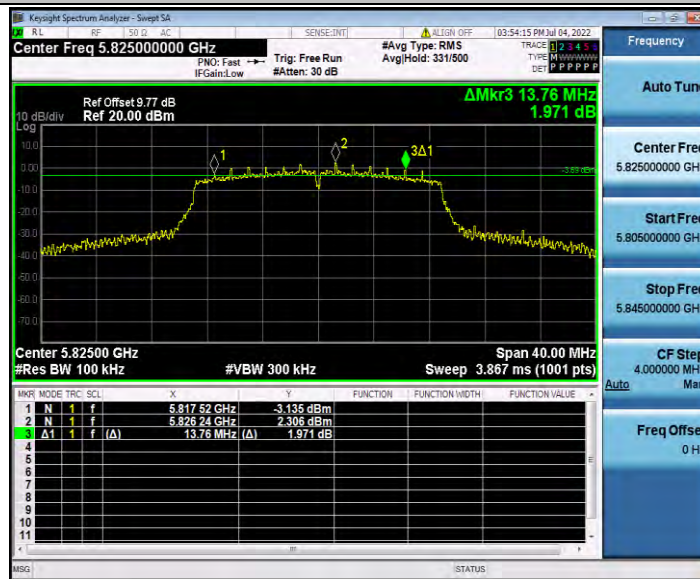
11AC20SISO_Ant1_5745



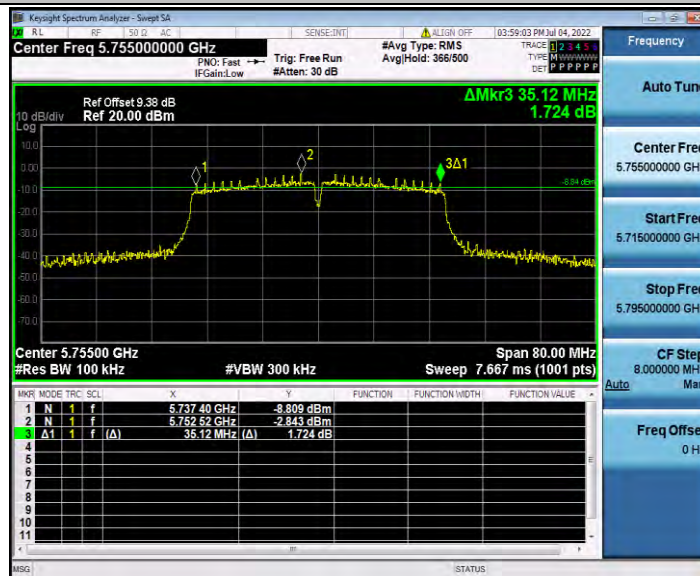
11AC20SISO_Ant1_5785



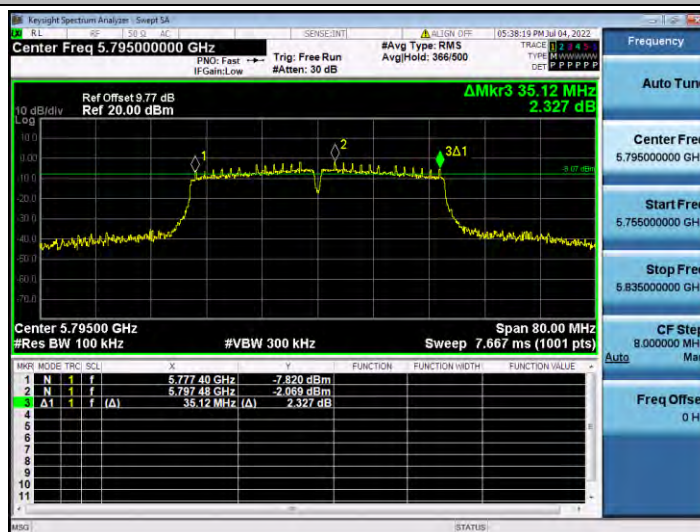
11AC20SISO_Ant1_5825



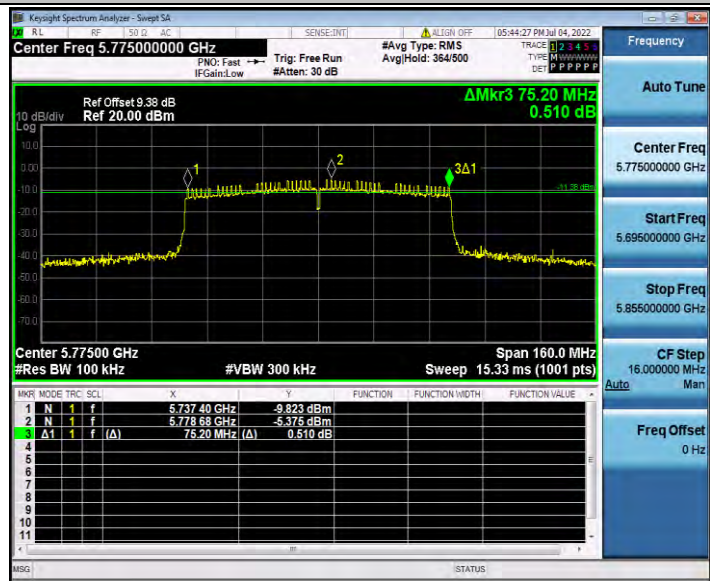
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



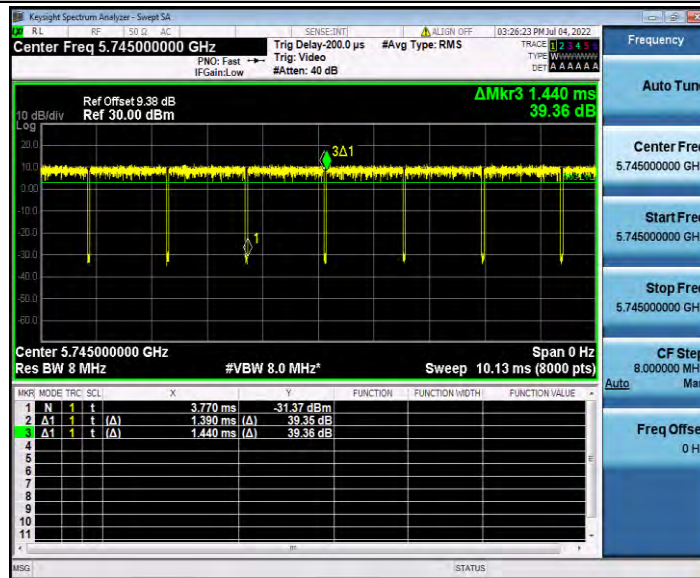
Appendix E.3: Duty Cycle

Test Result

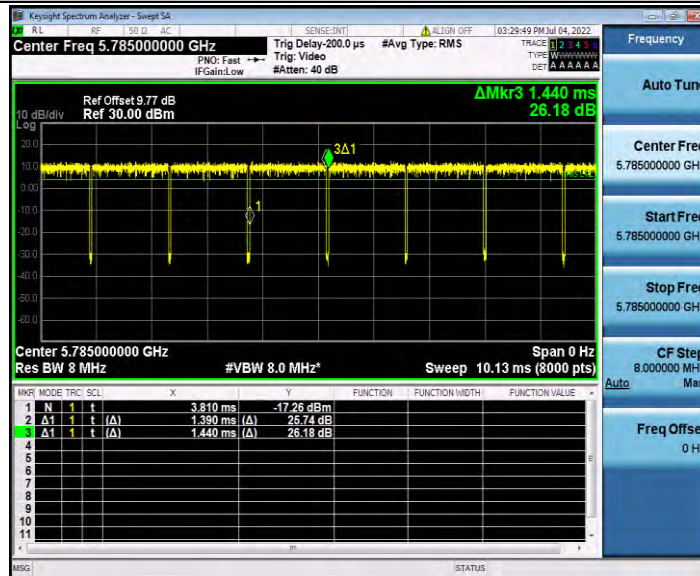
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dBm]
11A	Ant1	5745	1.39	1.44	96.53	0.15
		5785	1.39	1.44	96.53	0.15
		5825	1.39	1.44	96.53	0.15
11N20SISO	Ant1	5745	1.29	1.34	96.27	0.17
		5785	1.30	1.34	97.01	0.13
		5825	1.30	1.35	96.30	0.16
11N40SISO	Ant1	5755	0.65	0.70	92.86	0.32
		5795	0.65	0.70	92.86	0.32
11AC20SISO	Ant1	5745	1.31	1.36	96.32	0.16
		5785	1.31	1.35	97.04	0.13
		5825	1.31	1.36	96.32	0.16
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

Test Graphs

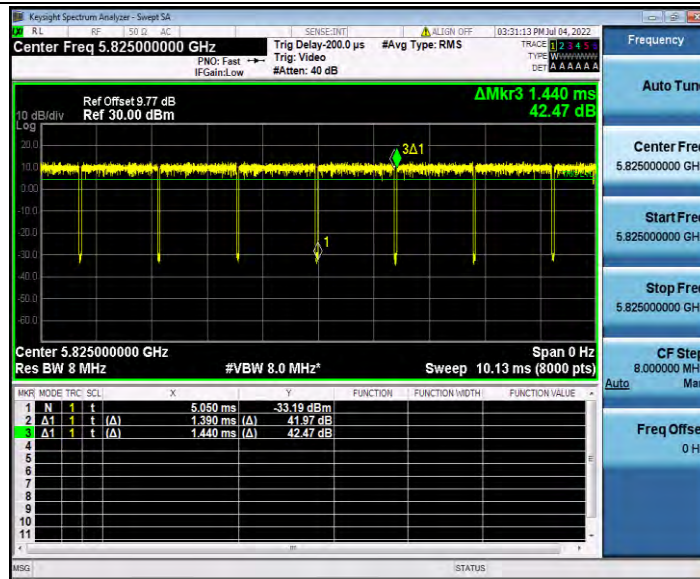
11A_Ant1_5745



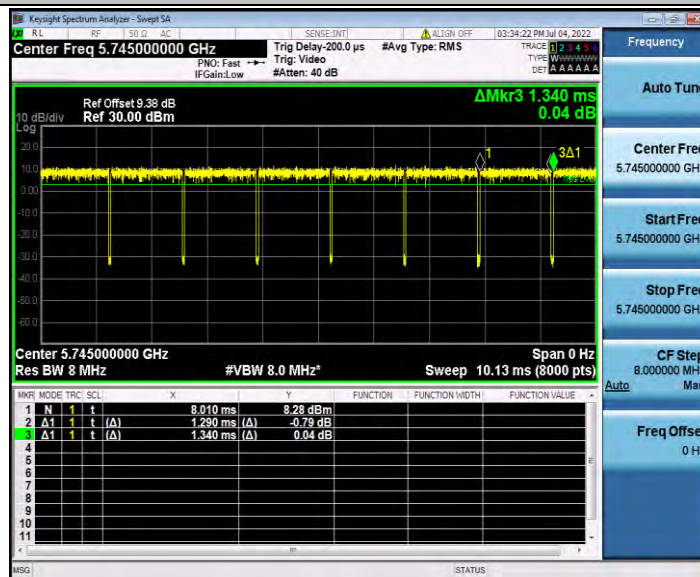
11A_Ant1_5785



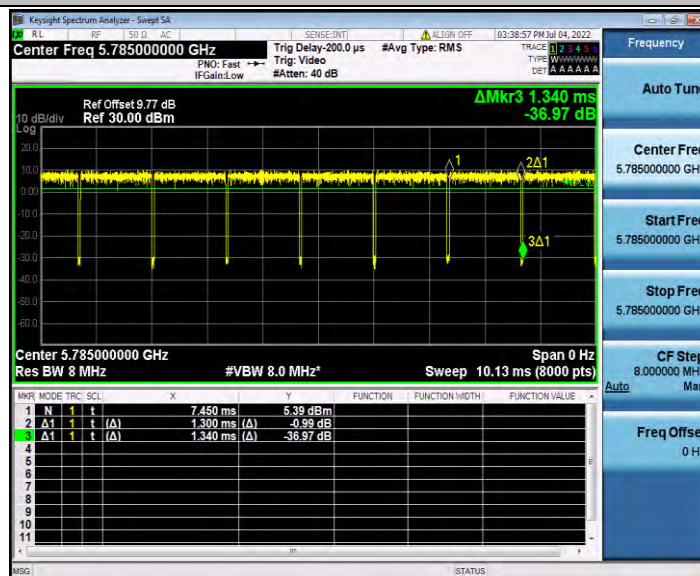
11A_Ant1_5825



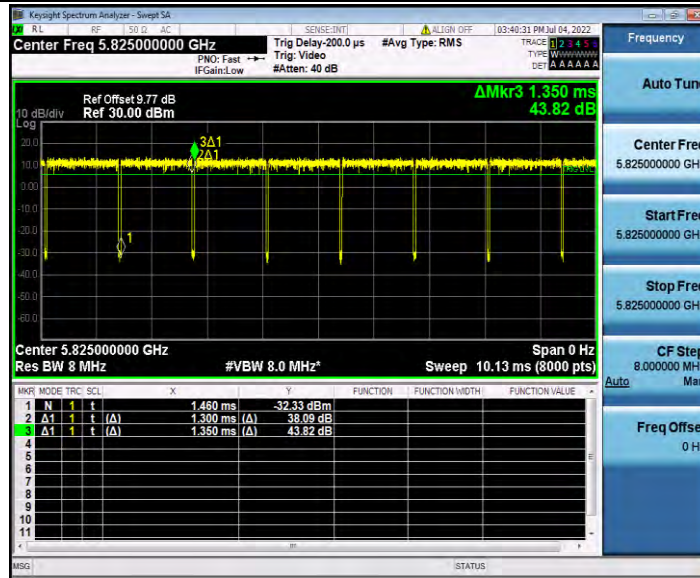
11N20SISO_Ant1_5745



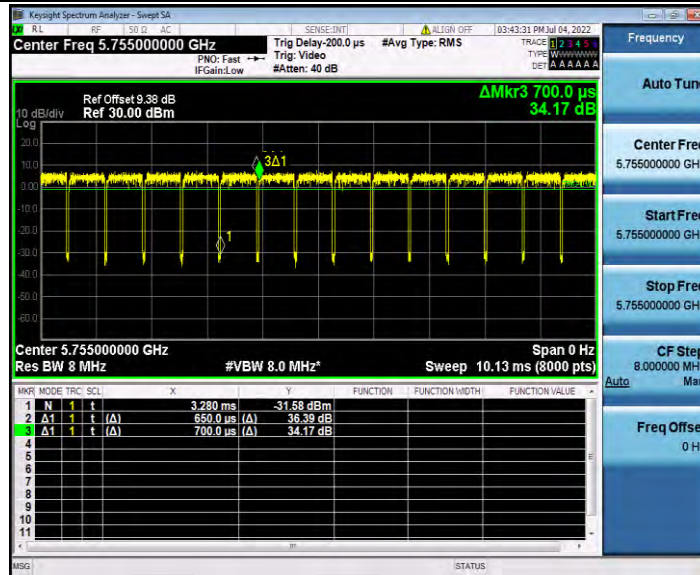
11N20SISO_Ant1_5785



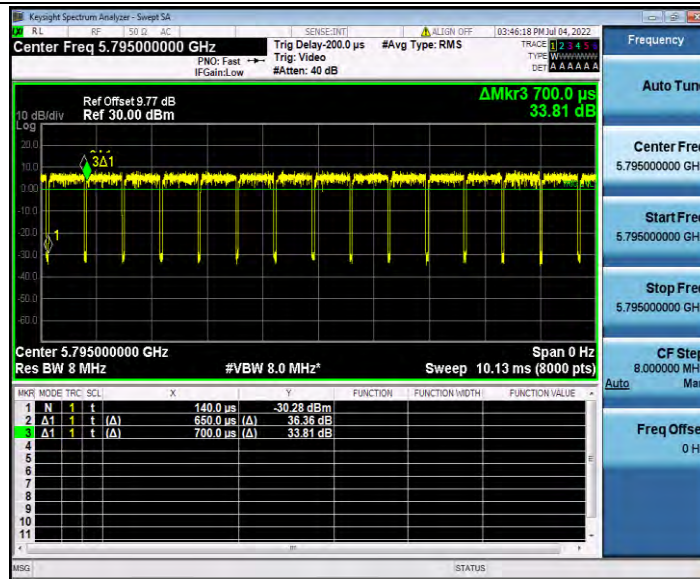
11N20SISO_Ant1_5825



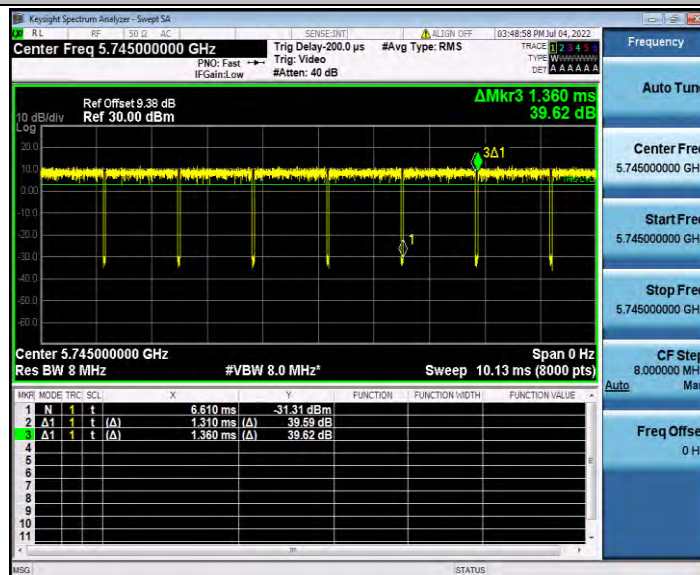
11N40SISO_Ant1_5755



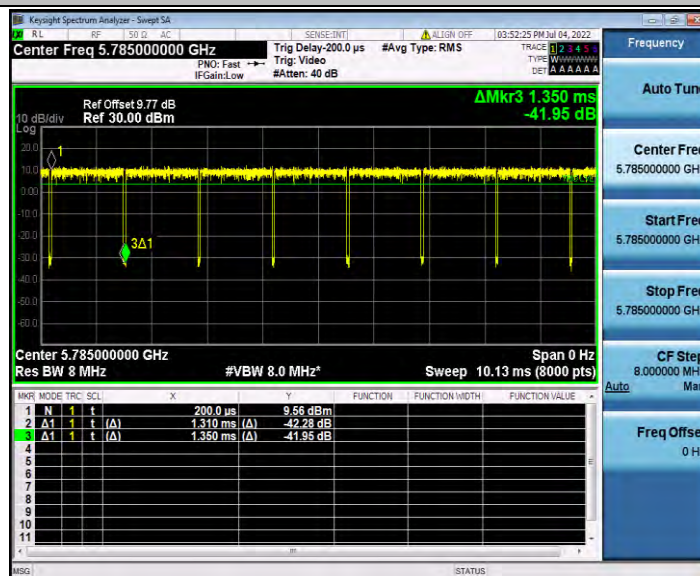
11N40SISO_Ant1_5795



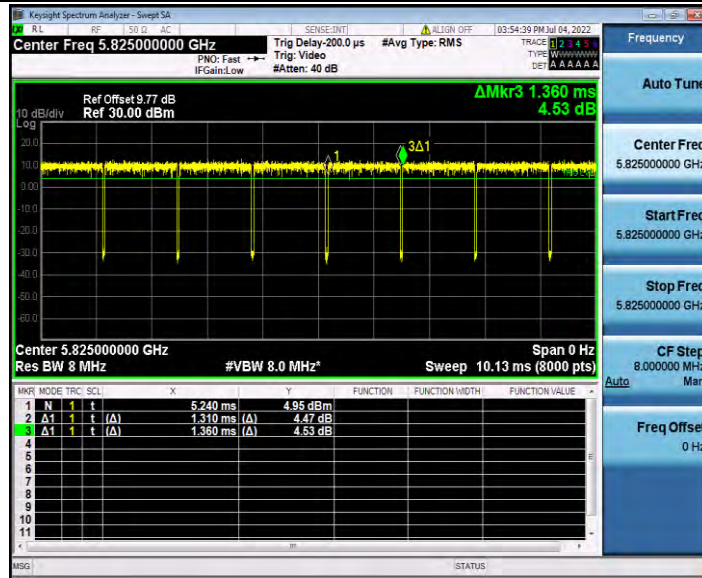
11AC20SISO_Ant1_5745



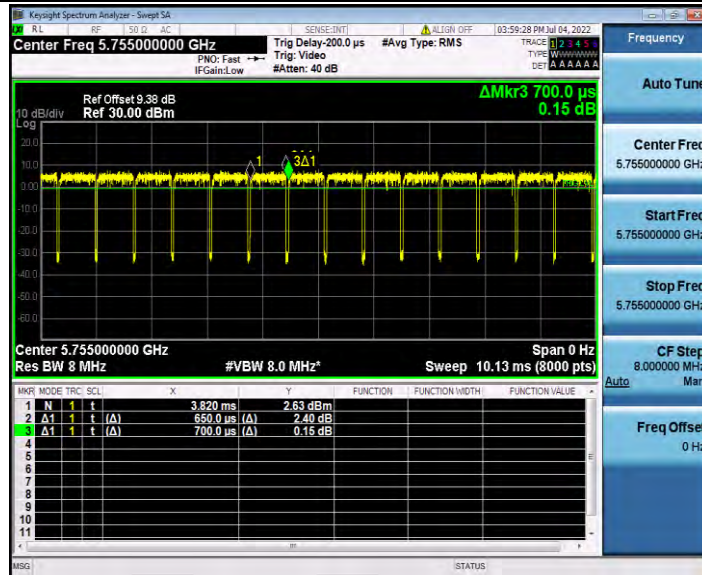
11AC20SISO_Ant1_5785



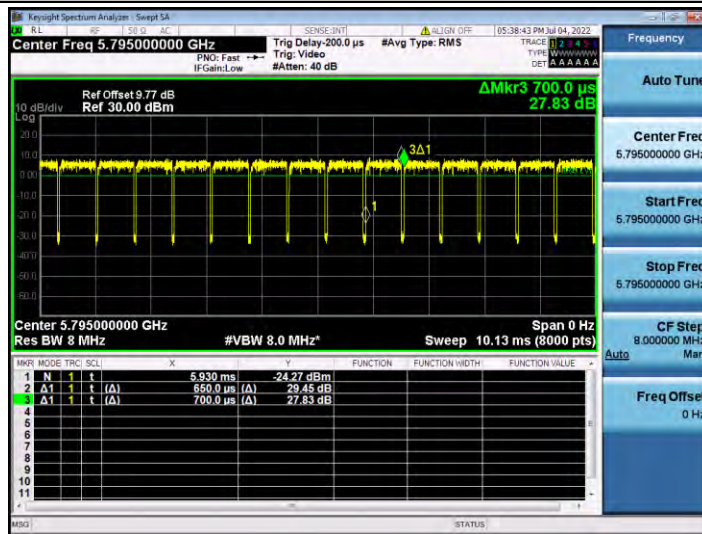
11AC20SISO_Ant1_5825



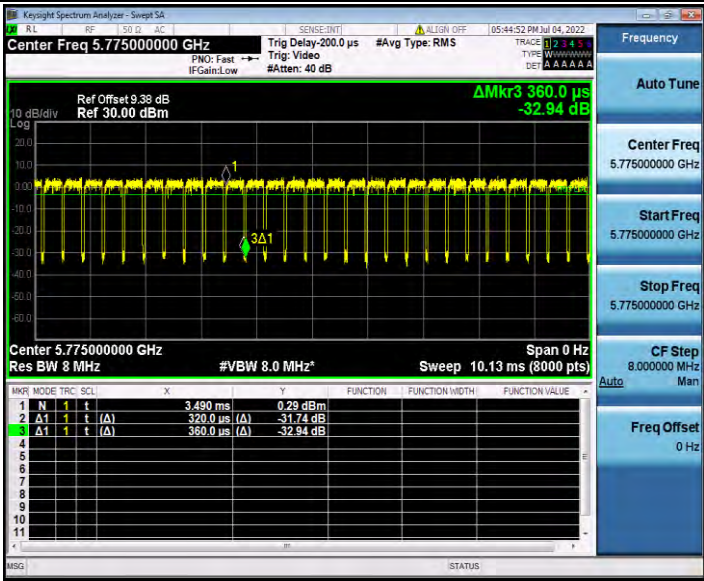
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix E.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	4.58	≤30.00	PASS
		5785	5.04	≤30.00	PASS
		5825	5.14	≤30.00	PASS
11N20SISO	Ant1	5745	3.78	≤30.00	PASS
		5785	2.7	≤30.00	PASS
		5825	7.14	≤30.00	PASS
11N40SISO	Ant1	5755	-0.02	≤30.00	PASS
		5795	0.9	≤30.00	PASS
11AC20SISO	Ant1	5745	4.31	≤30.00	PASS
		5785	4.73	≤30.00	PASS
		5825	5.36	≤30.00	PASS
11AC40SISO	Ant1	5755	0.2	≤30.00	PASS
		5795	1.08	≤30.00	PASS
11AC80SISO	Ant1	5775	-2.32	≤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



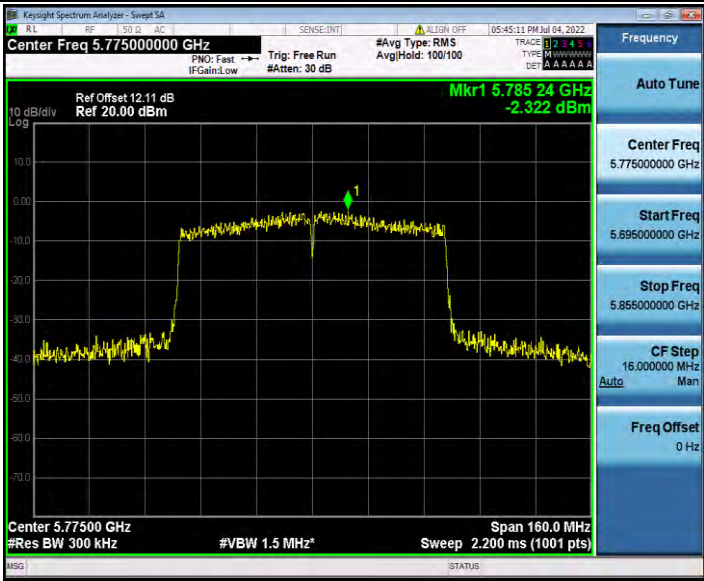
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC80SISO_Ant1_5775



Appendix E.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	-38.44	≤8.62	PASS
				5700~5720	-30.71	≤15.59	PASS
				5720~5725	-24.43	≤24.73	PASS
				5760~5650	-39.5	≤-27	PASS
		High	5825	5850~5855	-30.55	≤17.03	PASS
				5855~5875	-33.31	≤10.82	PASS
				5875~5925	-38.3	≤-15.77	PASS
				5925~5935	-39.01	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-38.75	≤8.70	PASS
				5700~5720	-28.33	≤15.21	PASS
				5720~5725	-21.94	≤24.47	PASS
				5760~5650	-40.27	≤-27	PASS
		High	5825	5850~5855	-26.02	≤15.79	PASS
				5855~5875	-31.16	≤10.70	PASS
				5875~5925	-37.26	≤-14.37	PASS
				5925~5935	-37.49	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-33.24	≤9.36	PASS
				5700~5720	-23.62	≤15.43	PASS
				5720~5725	-21.25	≤21.89	PASS
				5780~5650	-39.7	≤-27	PASS
		High	5795	5850~5855	-33.74	≤16.79	PASS
				5855~5875	-37.57	≤10.92	PASS
				5875~5925	-38.3	≤-9.46	PASS
				5925~5935	-39.35	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-38.3	≤8.36	PASS
				5700~5720	-31.9	≤15.53	PASS
				5720~5725	-25.31	≤26.57	PASS
				5760~5650	-40.03	≤-27	PASS
		High	5825	5850~5855	-29.63	≤16.10	PASS
				5855~5875	-34.26	≤11.50	PASS
				5875~5925	-38.11	≤-11.37	PASS
				5925~5935	-38.79	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-37.5	≤9.56	PASS
				5700~5720	-26.05	≤15.50	PASS
				5720~5725	-26.41	≤18.20	PASS

		High	5795	5780~5650	-40.17	≤ -27	PASS
				5850~5855	-35.87	≤ 19.04	PASS
				5855~5875	-36.54	≤ 10.18	PASS
				5875~5925	-38.69	≤ -19.35	PASS
				5925~5935	-38.83	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-29.48	≤ 7.95	PASS
				5700~5720	-26.87	≤ 14.13	PASS
				5720~5725	-25.83	≤ 18.47	PASS
				5800~5650	-38.21	≤ -27	PASS
		High	5775	5850~5855	-29.96	≤ 15.79	PASS
				5855~5875	-32.51	≤ 10.18	PASS
				5875~5925	-37.17	≤ -24.77	PASS
				5925~5935	-39.2	≤ -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 E.6: Conducted Spurious Emission

Test Result

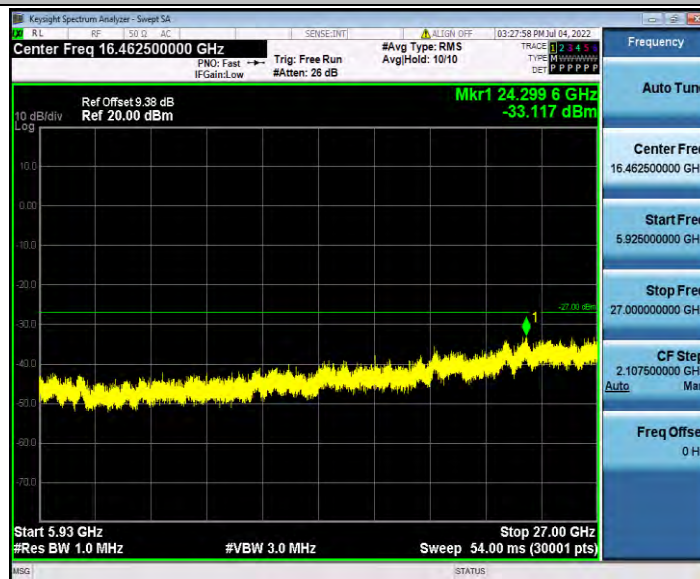
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5361.32	-40.45	≤-27	PASS
			5925~40000	24299.59	-33.12	≤-27	PASS
		5785	30~5650	5424.08	-40.61	≤-27	PASS
			5925~40000	26500.52	-31.77	≤-27	PASS
		5825	30~5650	2550.94	-40.15	≤-27	PASS
			5925~40000	26051.63	-31.96	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5419.21	-40.22	≤-27	PASS
			5925~40000	23594.28	-33.12	≤-27	PASS
		5785	30~5650	4995.83	-40.06	≤-27	PASS
			5925~40000	24945.89	-32.27	≤-27	PASS
		5825	30~5650	2663.34	-40.53	≤-27	PASS
			5925~40000	26478.04	-32.78	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5490.02	-40.71	≤-27	PASS
			5925~40000	24253.23	-31.73	≤-27	PASS
		5795	30~5650	3027.71	-40.57	≤-27	PASS
			5925~40000	26945.91	-32.36	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5391.29	-41.01	≤-27	PASS
			5925~40000	24835.6	-32.7	≤-27	PASS
		5785	30~5650	2633.18	-40.16	≤-27	PASS
			5925~40000	24826.47	-32.4	≤-27	PASS
		5825	30~5650	5472.78	-40.1	≤-27	PASS
			5925~40000	24248.31	-32.43	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5404.22	-41.02	≤-27	PASS
			5925~40000	25552.15	-32.34	≤-27	PASS
		5795	30~5650	5468.29	-40.2	≤-27	PASS
			5925~40000	26594.66	-31.87	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	4912.28	-41.19	≤-27	PASS
			5925~40000	24812.42	-32.51	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



11A_Ant1_5745_5925~40000



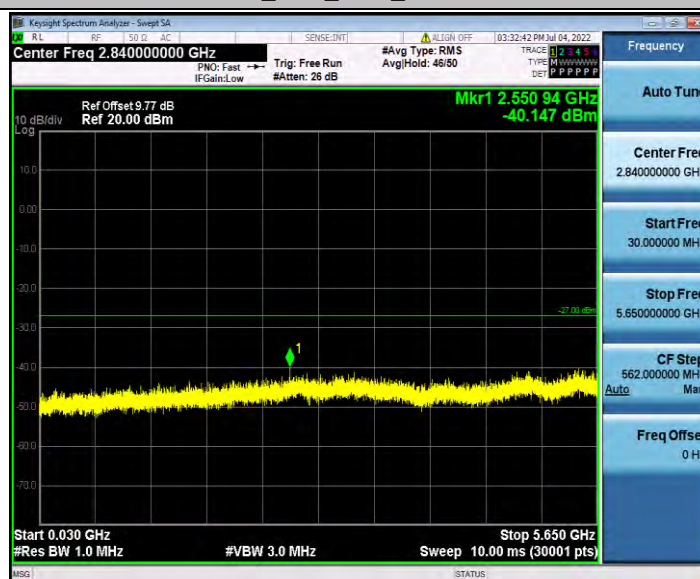
11A_Ant1_5785_30~5650



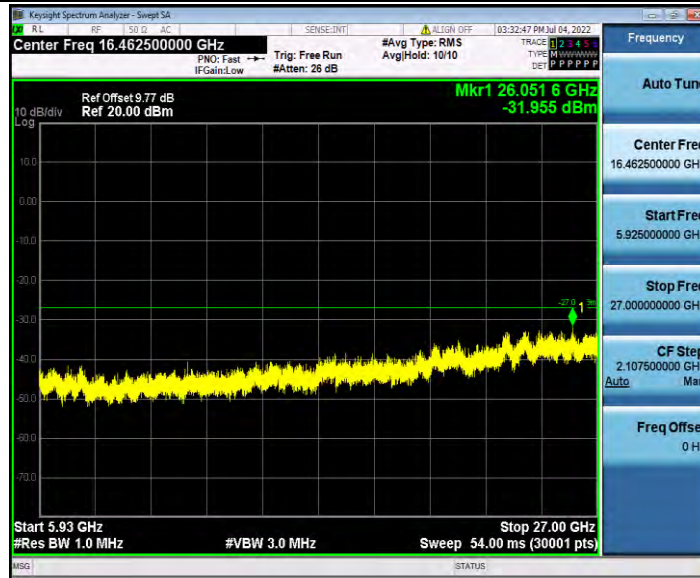
11A_Ant1_5785_5925~40000



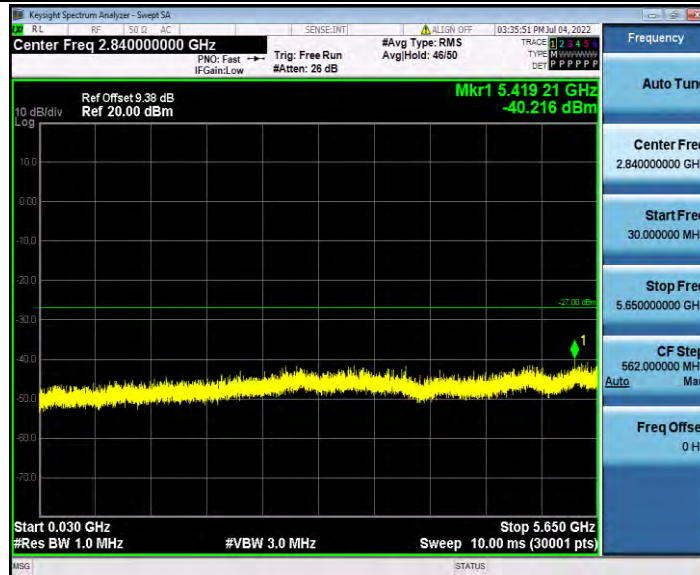
11A_Ant1_5825_30~5650



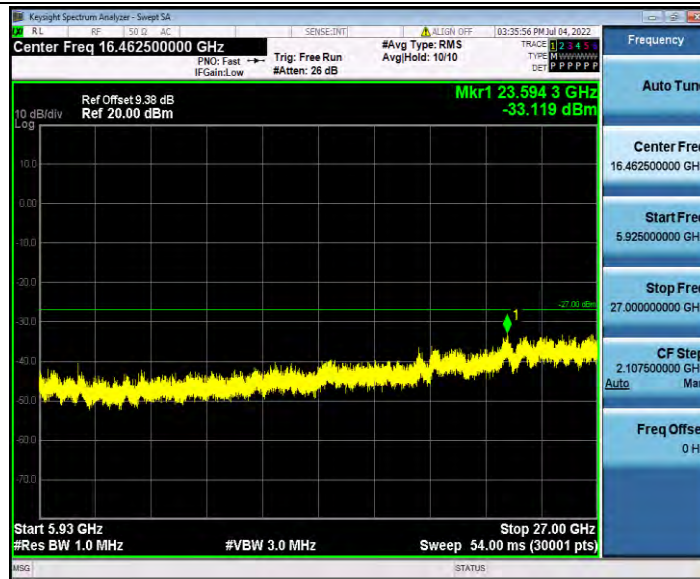
11A_Ant1_5825_5925~40000



11N20SISO_Ant1_5745_30~5650



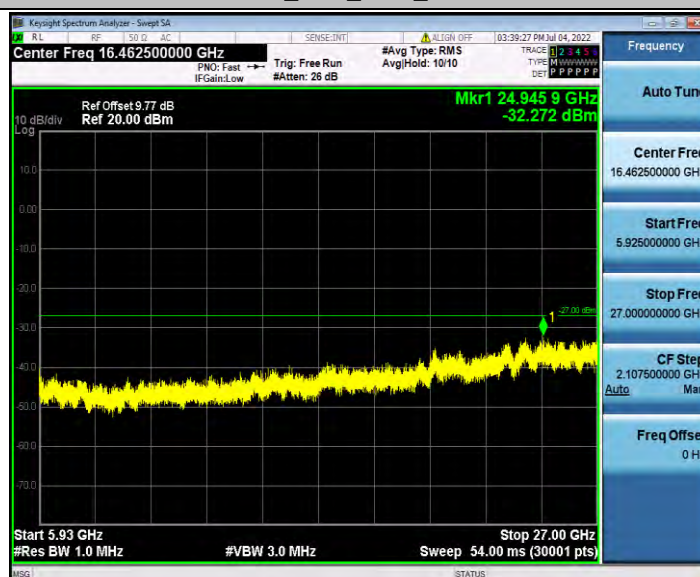
11N20SISO_Ant1_5745_5925~40000



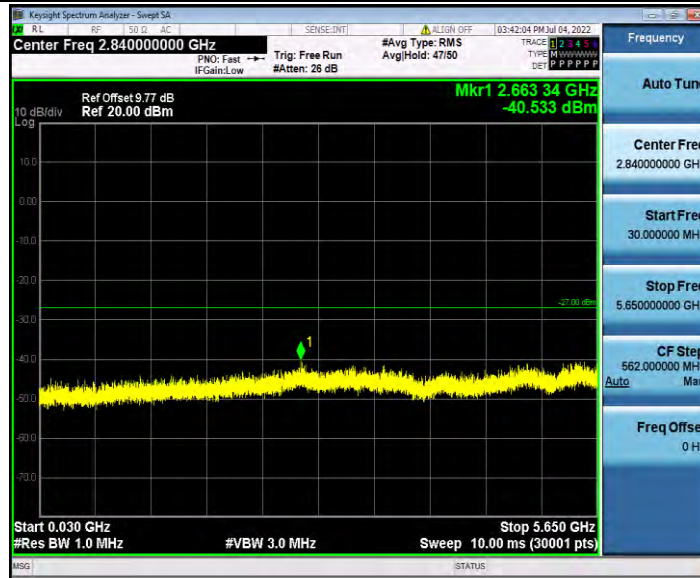
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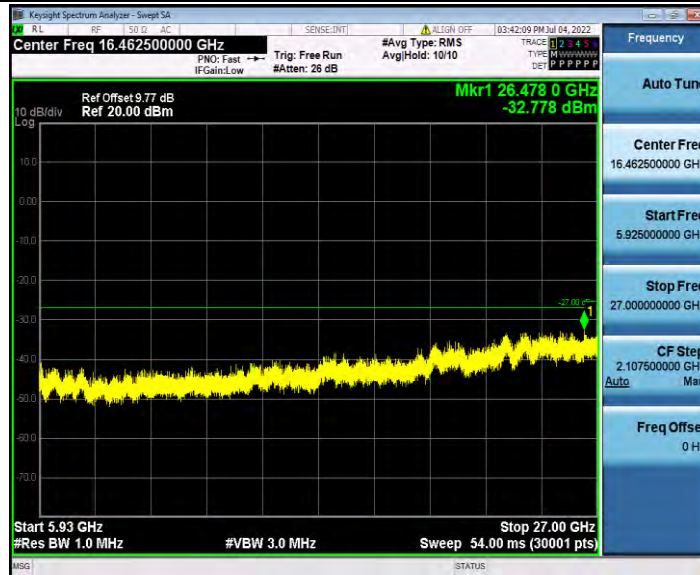
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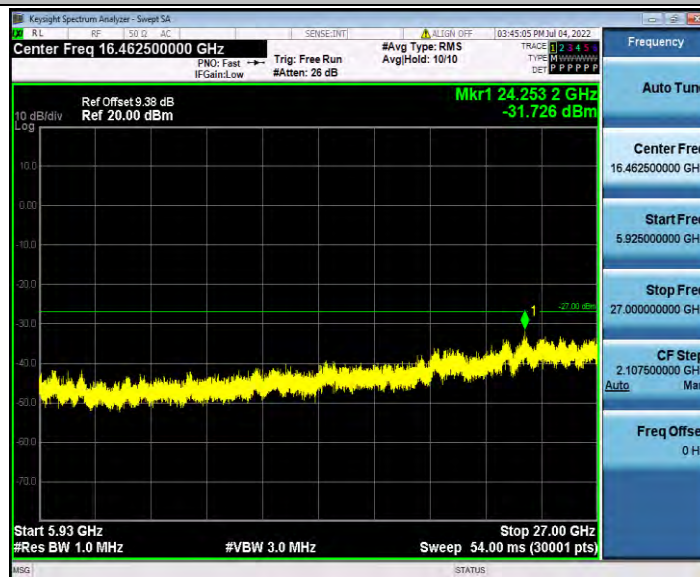
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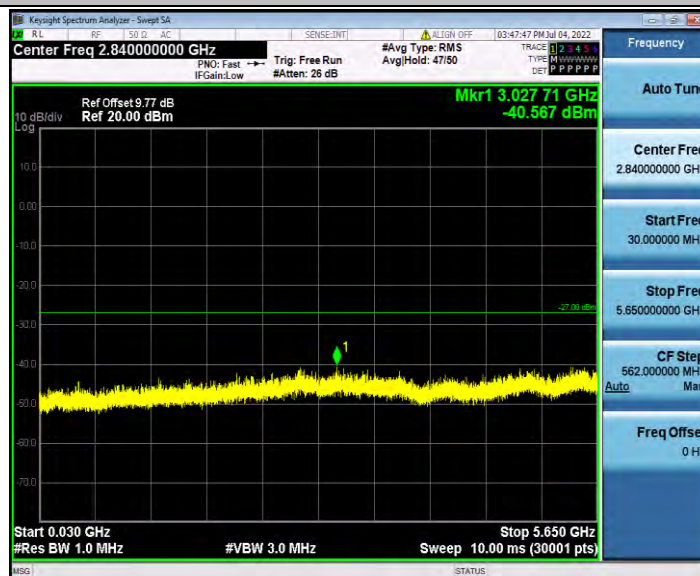
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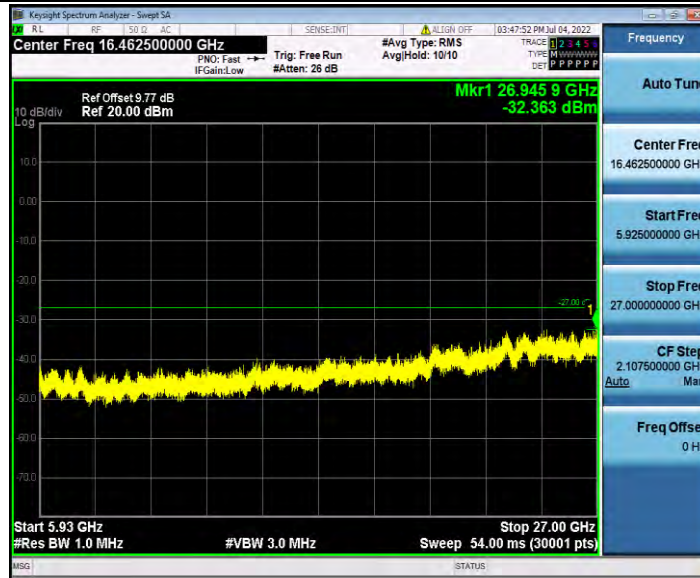
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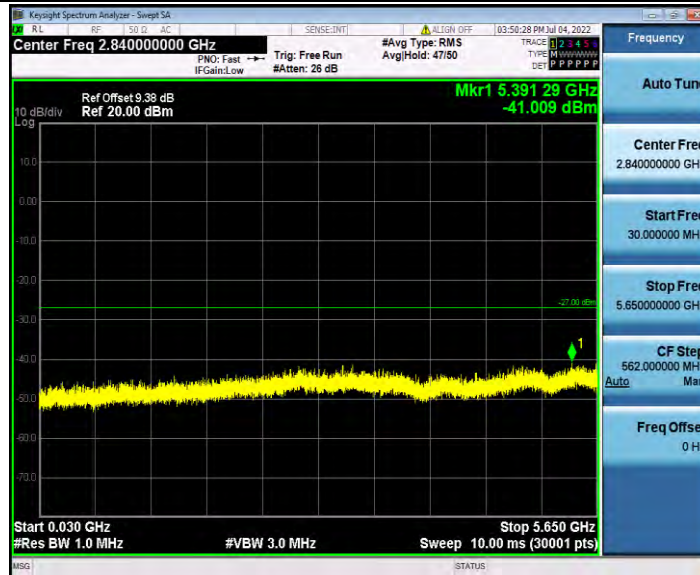
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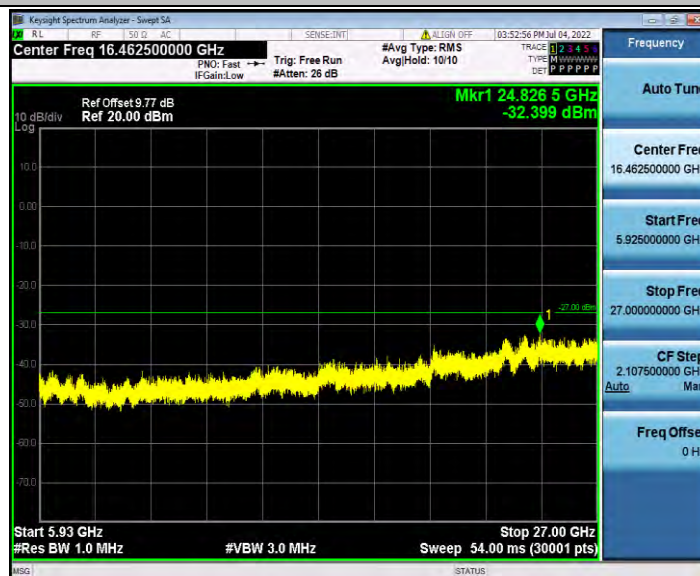
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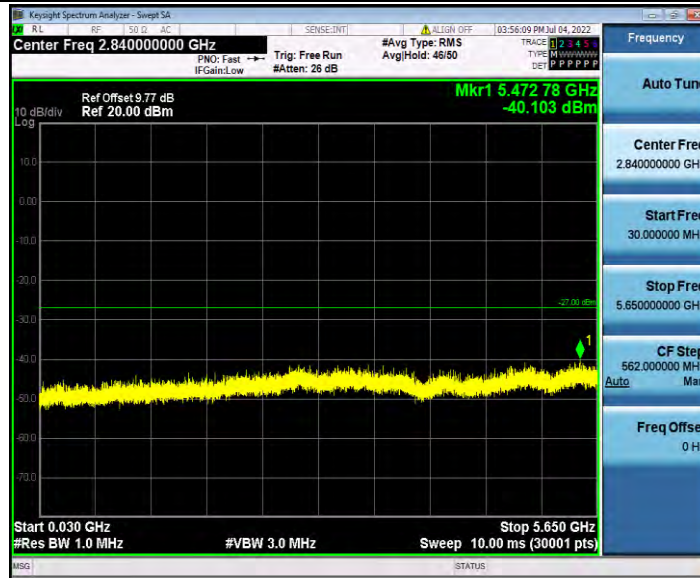
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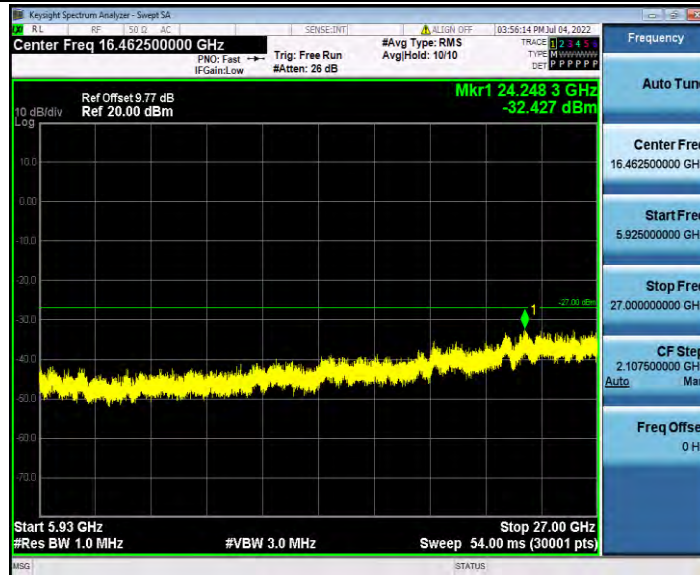
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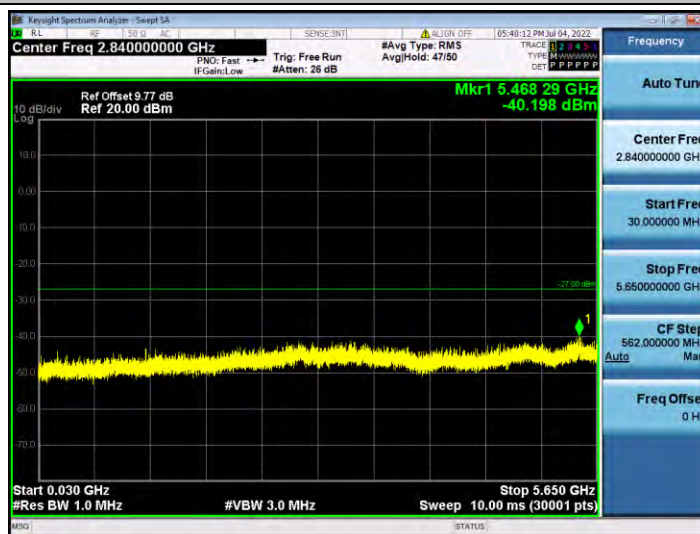
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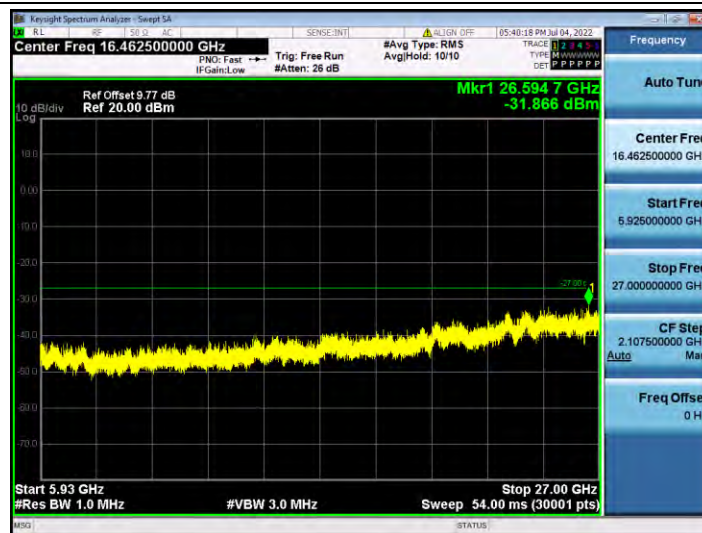
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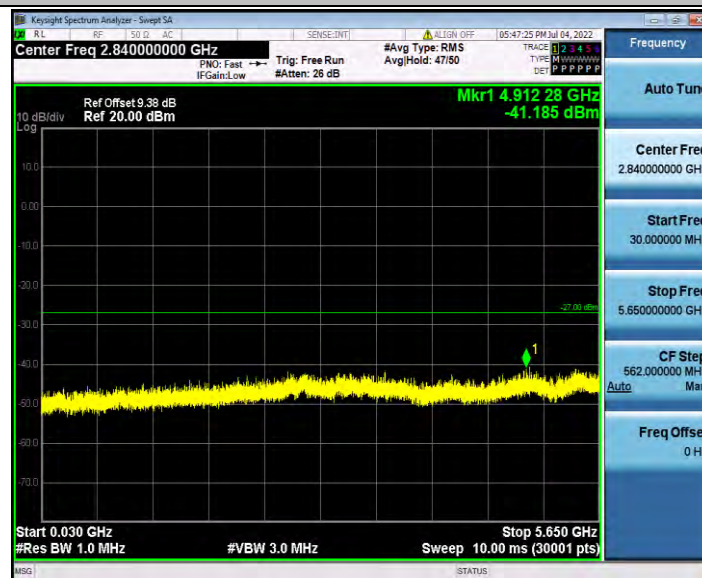
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11AC80SISO_Ant1_5775_5925~40000

