

Case No. : GTS20221012010-1-17	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2022.11.22	Test Engineer: Jenny zeng

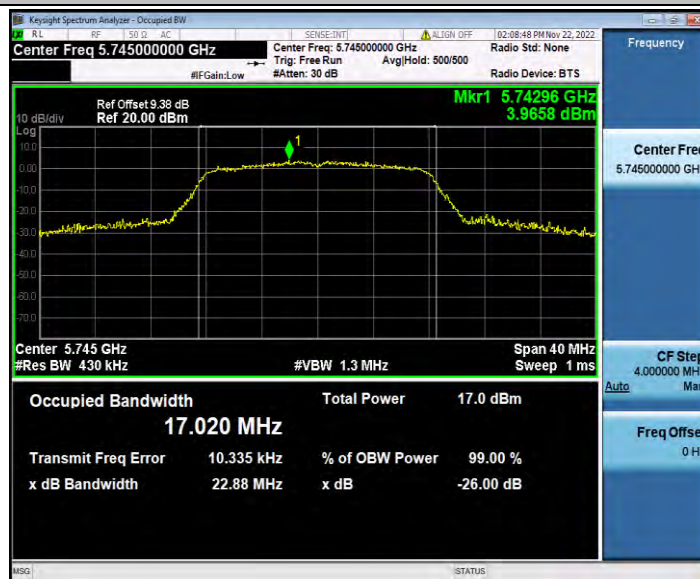
Appendix E.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11A	Ant1	5745	17.020	5736.500	5753.520
		5785	17.012	5776.491	5793.503
		5825	16.964	5816.476	5833.440
11N20SISO	Ant1	5745	17.984	5736.006	5753.990
		5785	18.002	5775.993	5793.995
		5825	17.910	5815.957	5833.867
11N40SISO	Ant1	5755	36.485	5736.752	5773.237
		5795	36.293	5776.918	5813.211
11AC20SISO	Ant1	5745	17.945	5736.053	5753.998
		5785	17.975	5776.054	5794.029
		5825	17.967	5815.971	5833.938
11AC40SISO	Ant1	5755	36.694	5736.696	5773.390
		5795	36.499	5776.810	5813.309
11AC80SISO	Ant1	5775	76.534	5736.717	5813.251

Test Graphs

11A_Ant1_5745



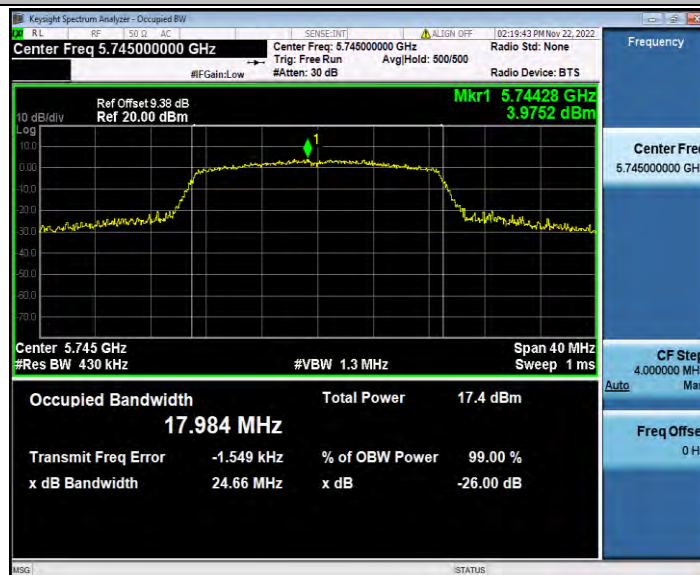
11A_Ant1_5785



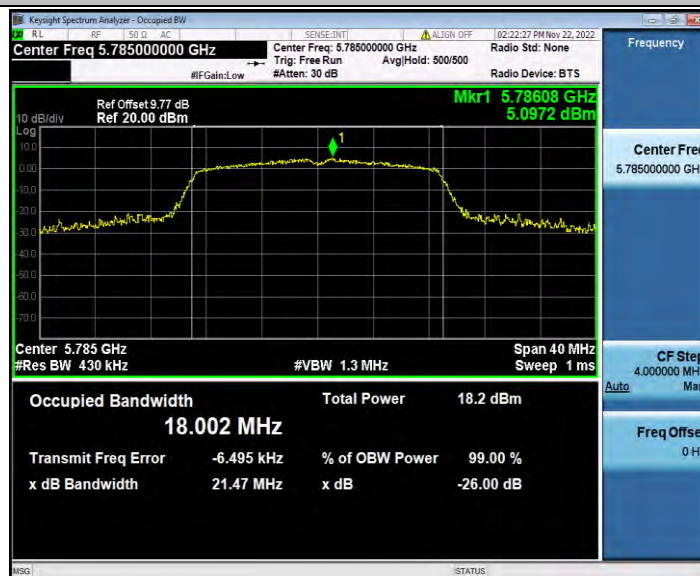
11A_Ant1_5825



11N20SISO_Ant1_5745



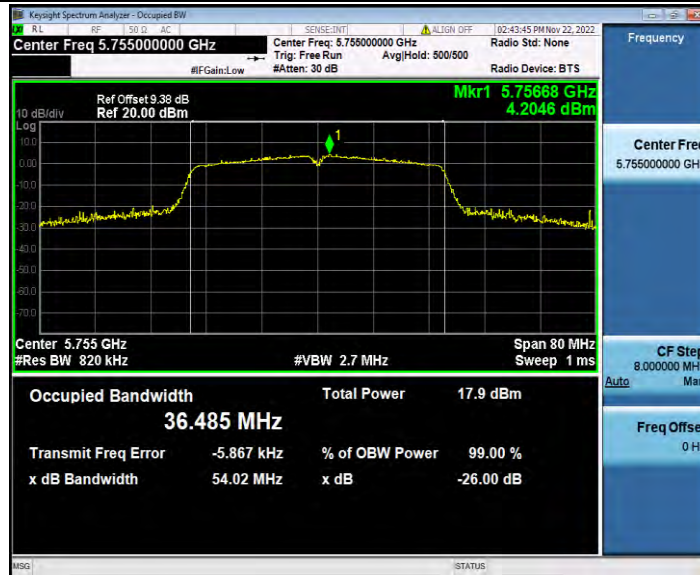
11N20SISO_Ant1_5785



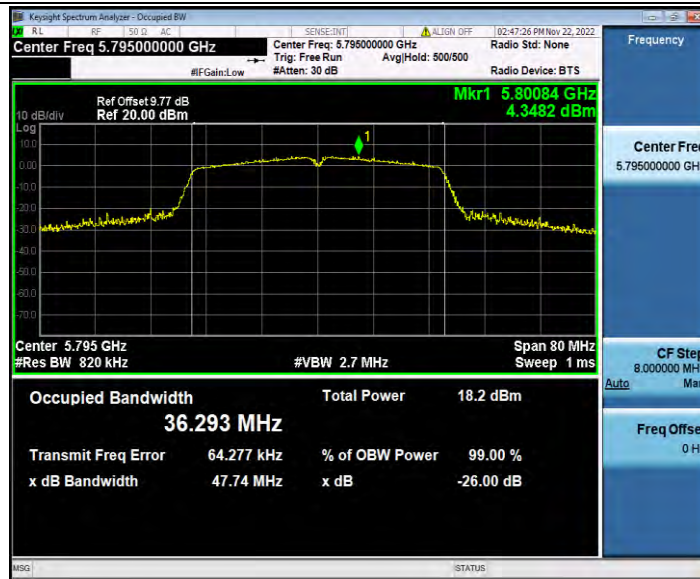
11N20SISO_Ant1_5825



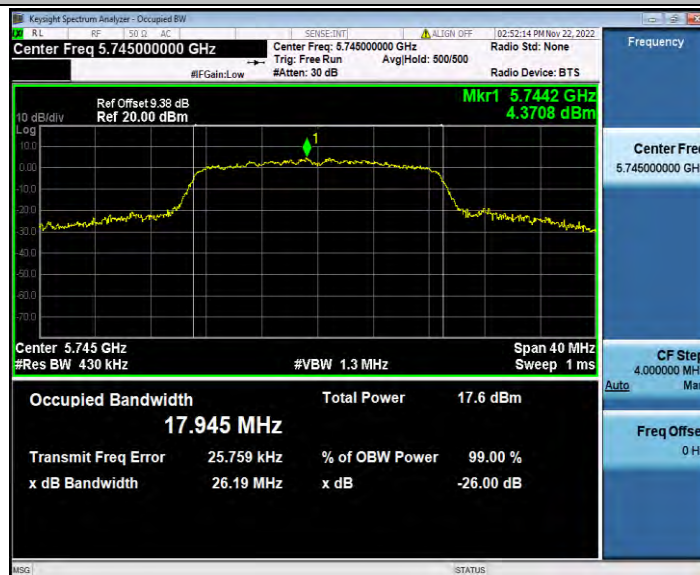
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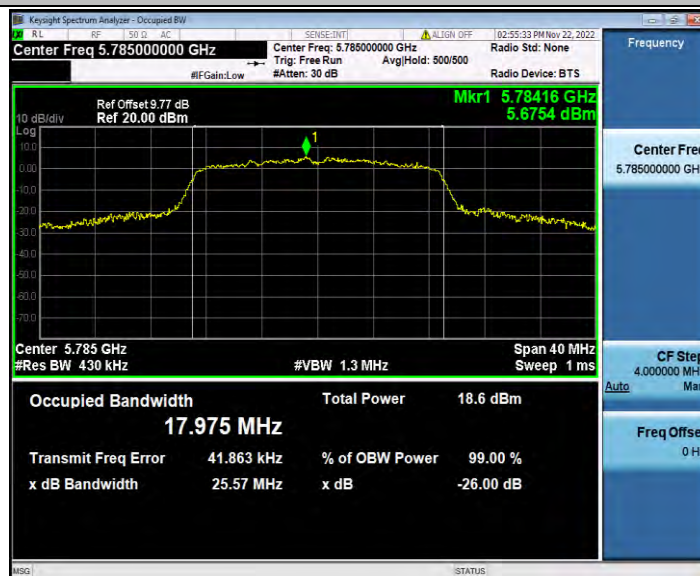
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



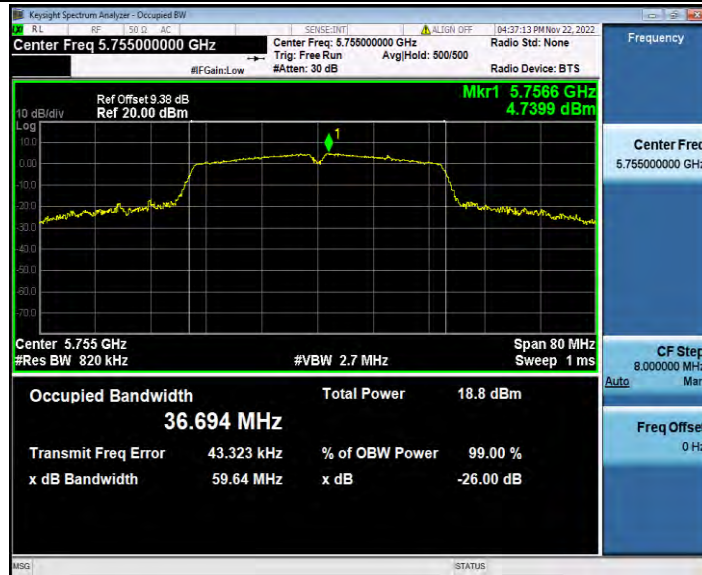
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



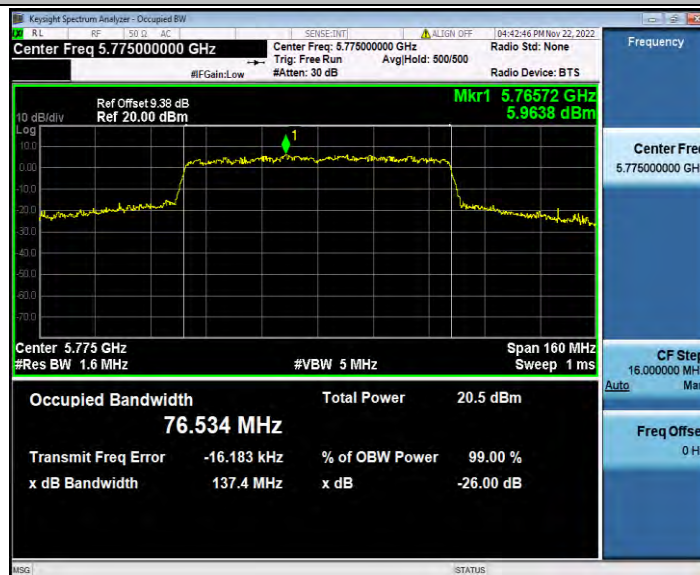
11AC40SISO_Ant1_5755



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	16.320	5736.840	5753.160	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.360	5816.800	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.320	5736.440	5753.760	0.5	PASS
		5785	17.520	5776.240	5793.760	0.5	PASS
		5825	17.320	5816.200	5833.520	0.5	PASS
11N40SISO	Ant1	5755	35.760	5737.080	5772.840	0.5	PASS
		5795	34.400	5778.120	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	15.080	5737.440	5752.520	0.5	PASS
		5785	13.880	5778.680	5792.560	0.5	PASS
		5825	15.120	5817.440	5832.560	0.5	PASS
11AC40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC80SISO	Ant1	5775	75.360	5737.400	5812.760	0.5	PASS

Test Graphs B4

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



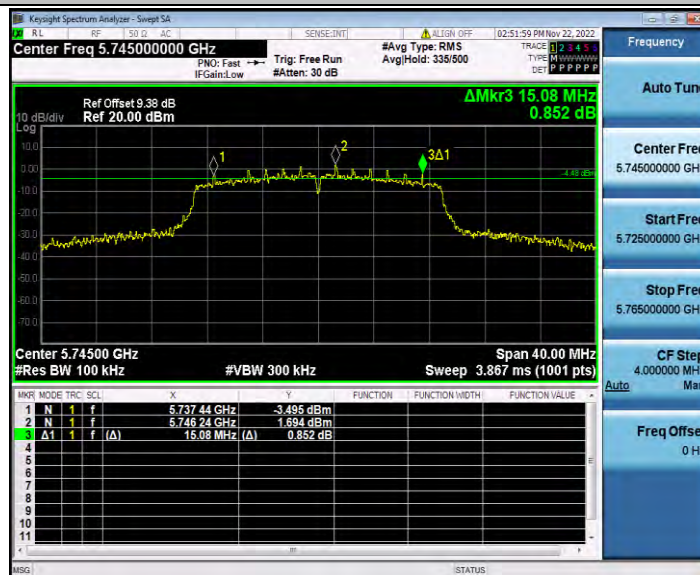
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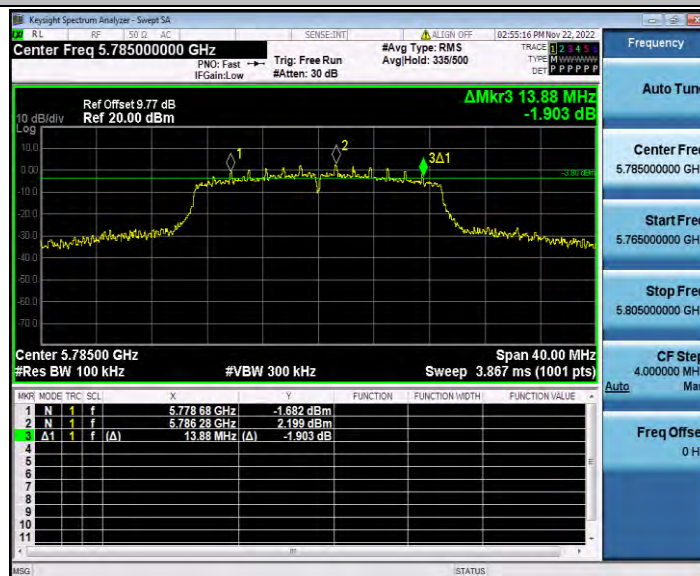
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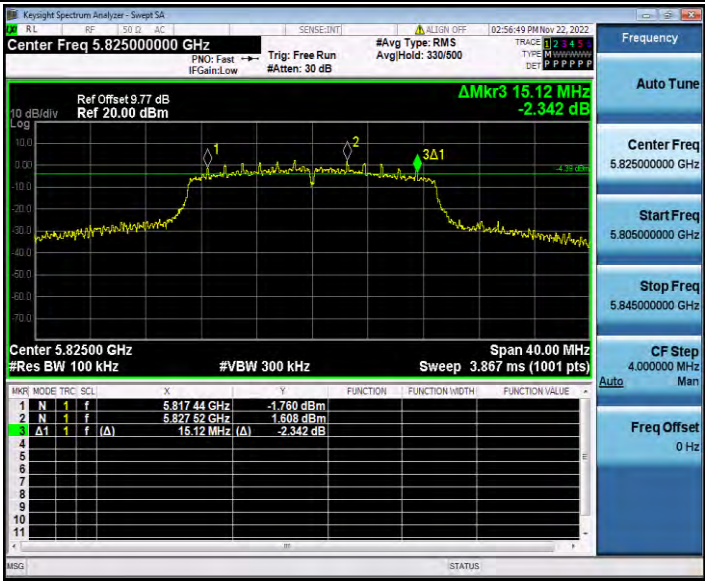
11AC20SISO_Ant1_5745



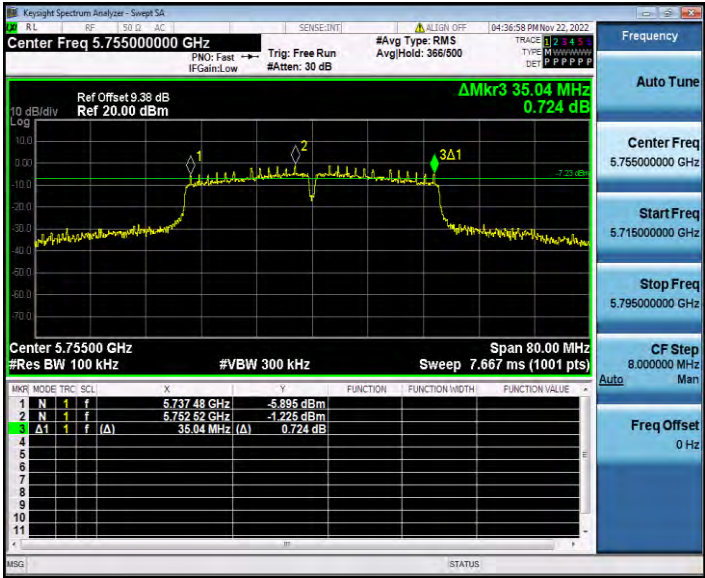
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



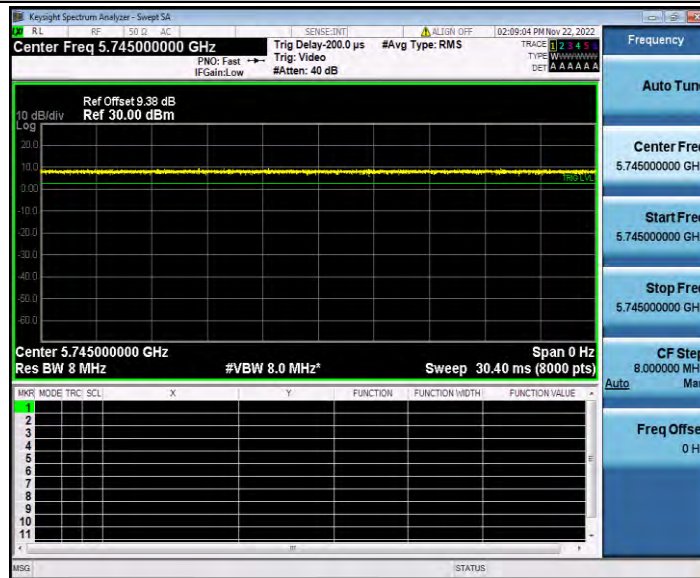
Appendix E.3: Duty Cycle

Test Result

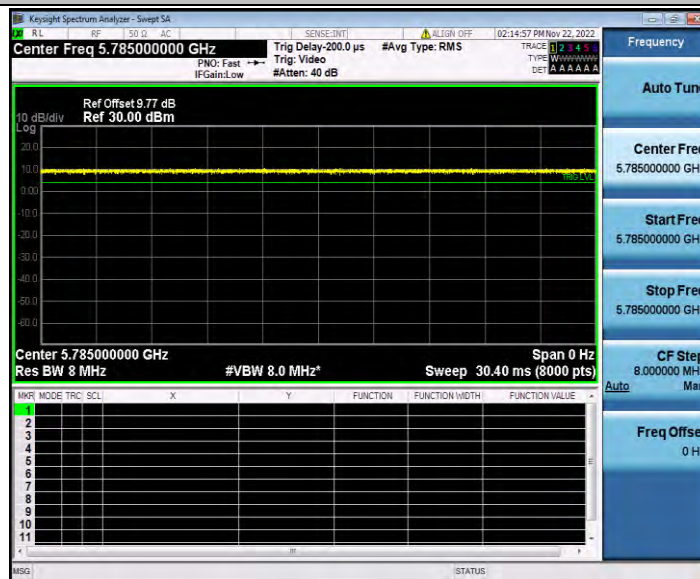
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11N20SISO	Ant1	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11N40SISO	Ant1	5755	30.00	30.00	100.00
		5795	30.00	30.00	100.00
11AC20SISO	Ant1	5745	1.31	1.35	97.04
		5785	1.32	1.35	97.78
		5825	1.31	1.35	97.04
11AC40SISO	Ant1	5755	0.65	0.69	94.20
		5795	0.65	0.68	95.59
11AC80SISO	Ant1	5775	0.33	0.36	91.67

Test Graphs

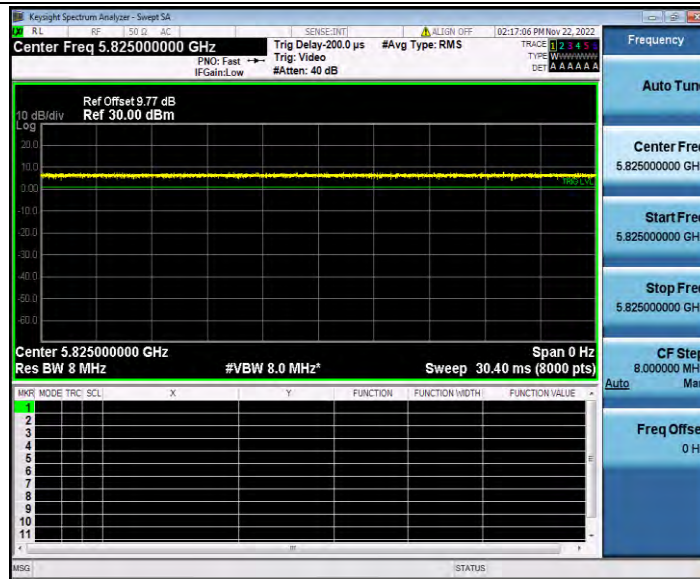
11A_Ant1_5745



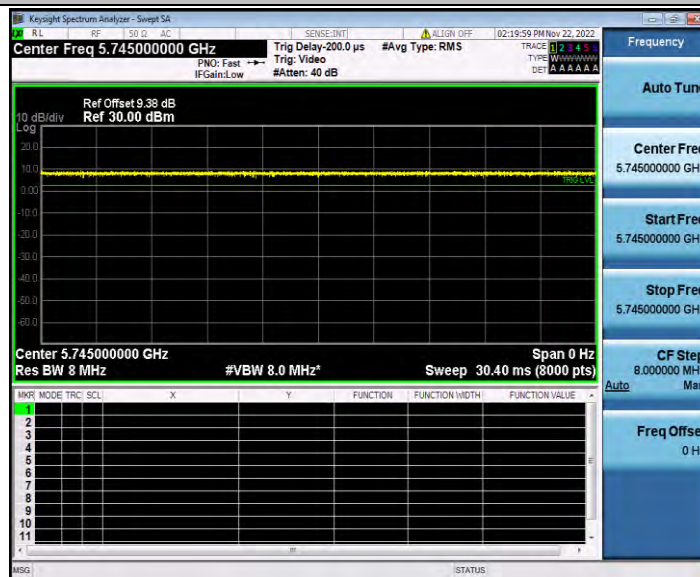
11A_Ant1_5785



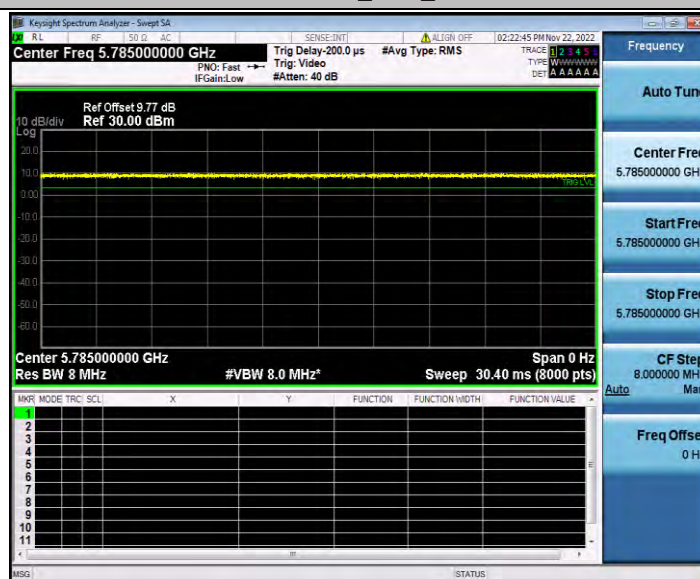
11A_Ant1_5825



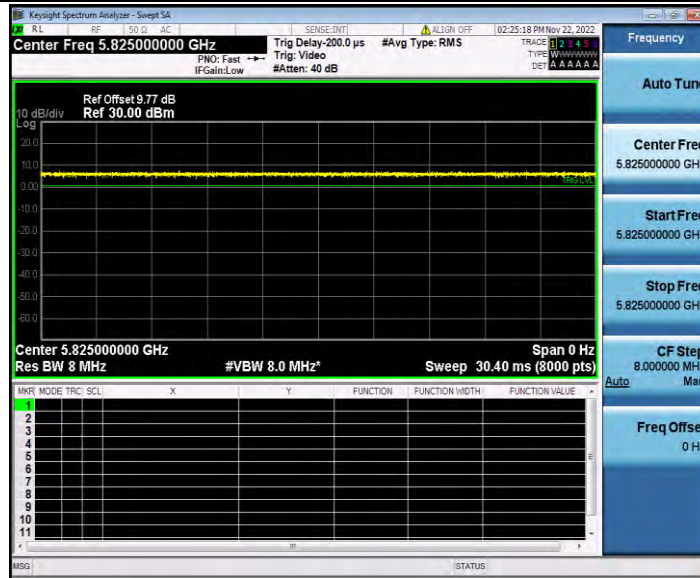
11N20SISO_Ant1_5745



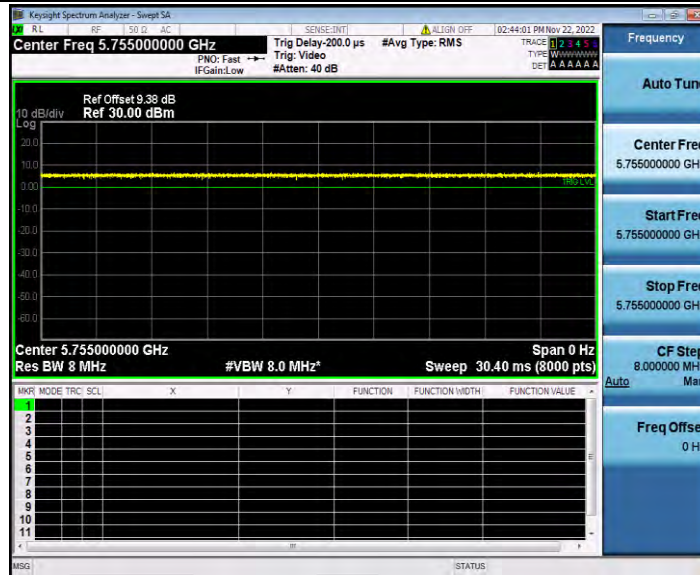
11N20SISO_Ant1_5785



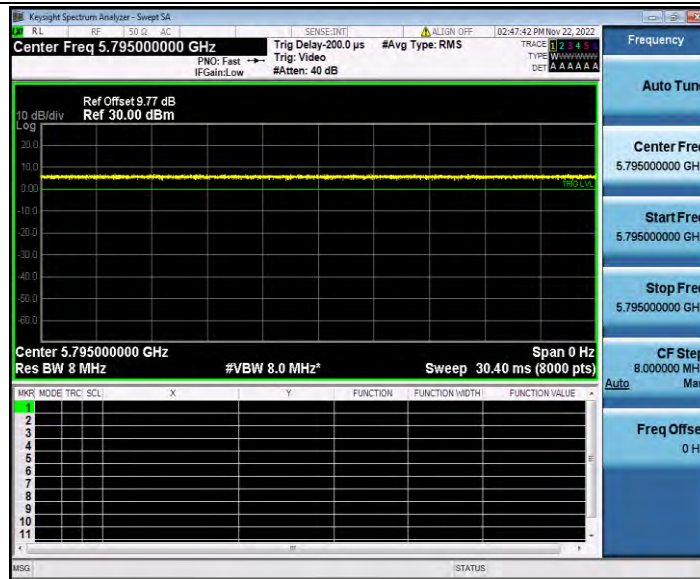
11N20SISO_Ant1_5825



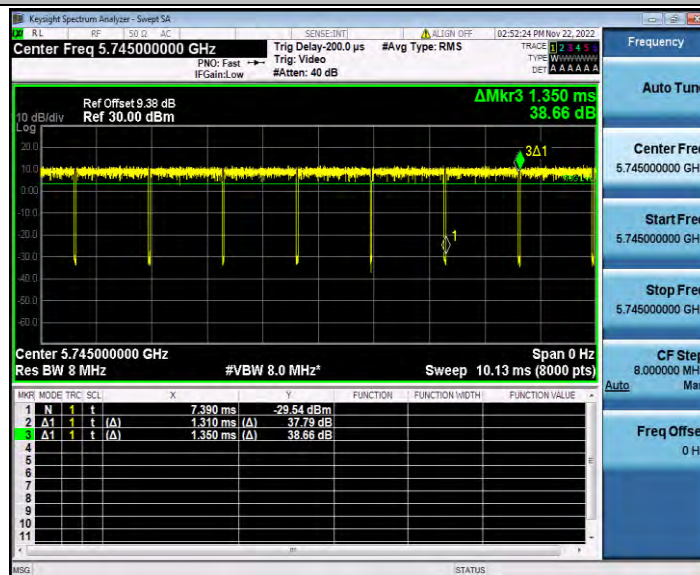
11N40SISO_Ant1_5755



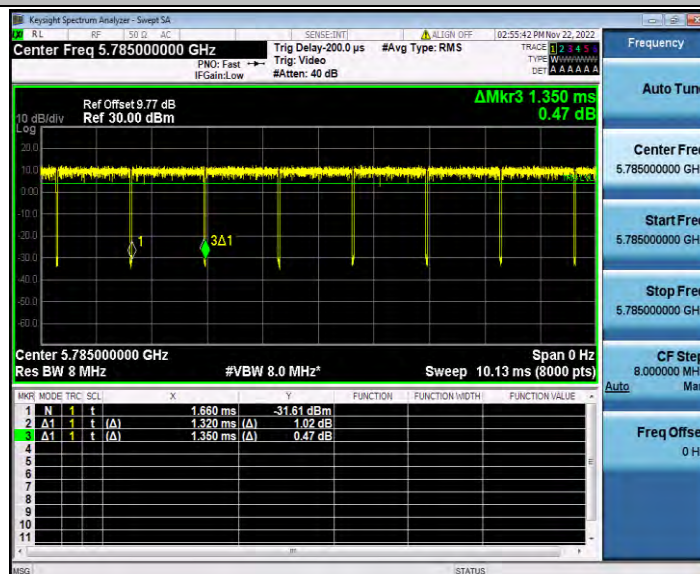
11N40SISO_Ant1_5795



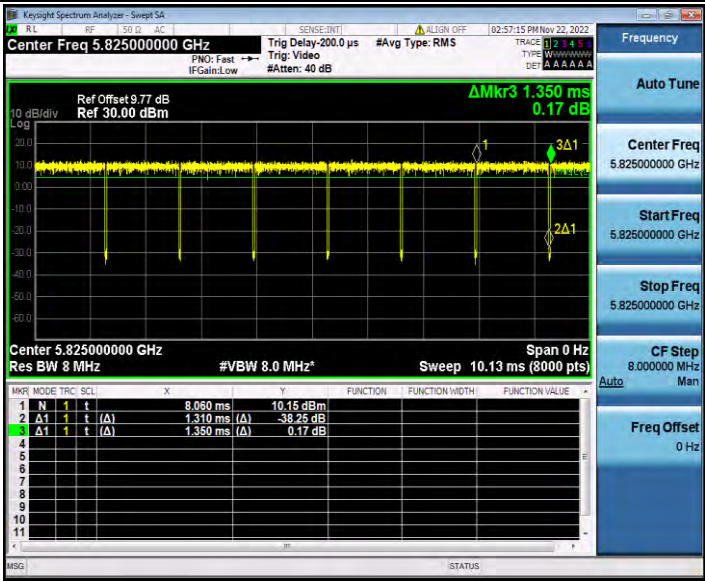
11AC20SISO_Ant1_5745



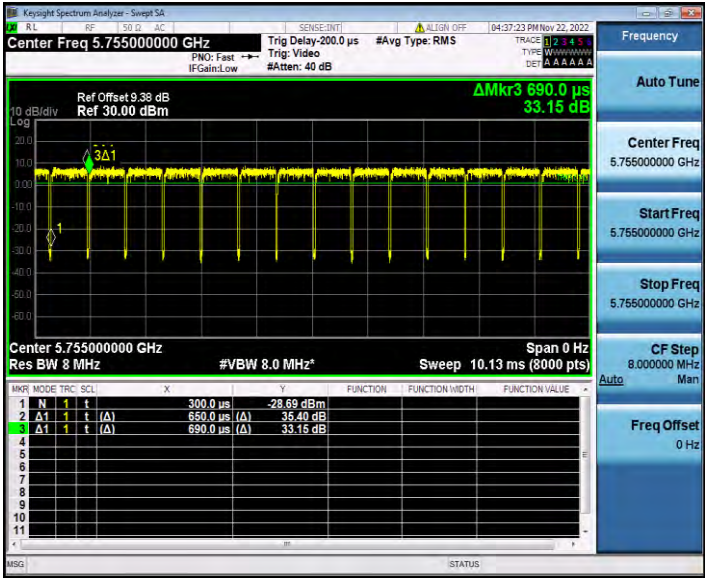
11AC20SISO_Ant1_5785



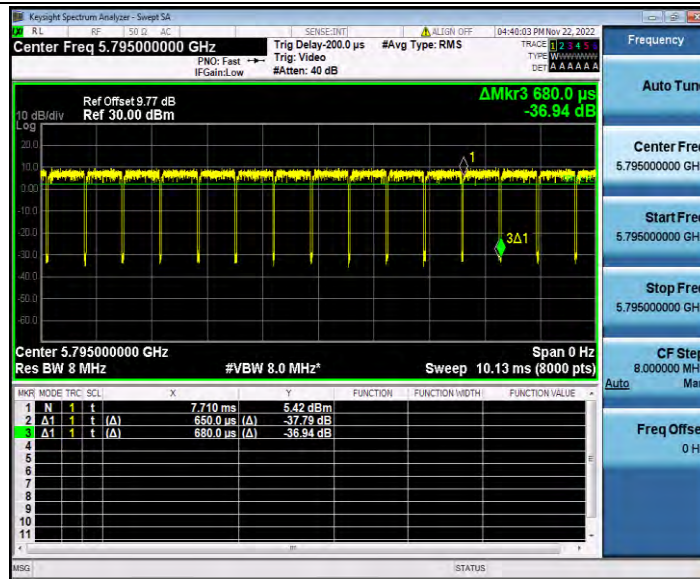
11AC20SISO_Ant1_5825



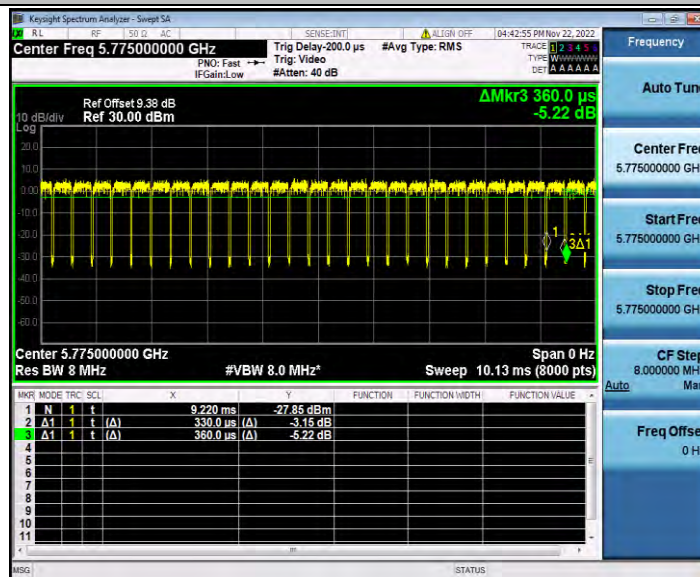
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix E.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	10.19	100.00	0.00	10.19	≤30.00	PASS
		5785	11.55	100.00	0.00	11.55	≤30.00	PASS
		5825	8.52	100.00	0.00	8.52	≤30.00	PASS
11N20SISO	Ant1	5745	10.49	100.00	0.00	10.49	≤30.00	PASS
		5785	11.34	100.00	0.00	11.34	≤30.00	PASS
		5825	8.33	100.00	0.00	8.33	≤30.00	PASS
11N40SISO	Ant1	5755	10.53	100.00	0.00	10.53	≤30.00	PASS
		5795	10.78	100.00	0.00	10.78	≤30.00	PASS
11AC20SISO	Ant1	5745	11.00	97.04	0.13	11.13	≤30.00	PASS
		5785	11.80	97.78	0.10	11.90	≤30.00	PASS
		5825	11.90	97.04	0.13	12.03	≤30.00	PASS
11AC40SISO	Ant1	5755	11.32	94.20	0.26	11.58	≤30.00	PASS
		5795	12.34	95.59	0.20	12.54	≤30.00	PASS
11AC80SISO	Ant1	5775	11.27	91.67	0.38	11.65	≤30.00	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	5745	3.21	≤30.00	PASS
		5785	4.37	≤30.00	PASS
		5825	1.62	≤30.00	PASS
11N20SISO	Ant1	5745	3.32	≤30.00	PASS
		5785	4.84	≤30.00	PASS
		5825	1.43	≤30.00	PASS
11N40SISO	Ant1	5755	0.46	≤30.00	PASS
		5795	1.9	≤30.00	PASS
11AC20SISO	Ant1	5745	4.65	≤30.00	PASS
		5785	4.84	≤30.00	PASS
		5825	5.32	≤30.00	PASS
11AC40SISO	Ant1	5755	2.25	≤30.00	PASS
		5795	3.47	≤30.00	PASS
11AC80SISO	Ant1	5775	-1.9	≤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



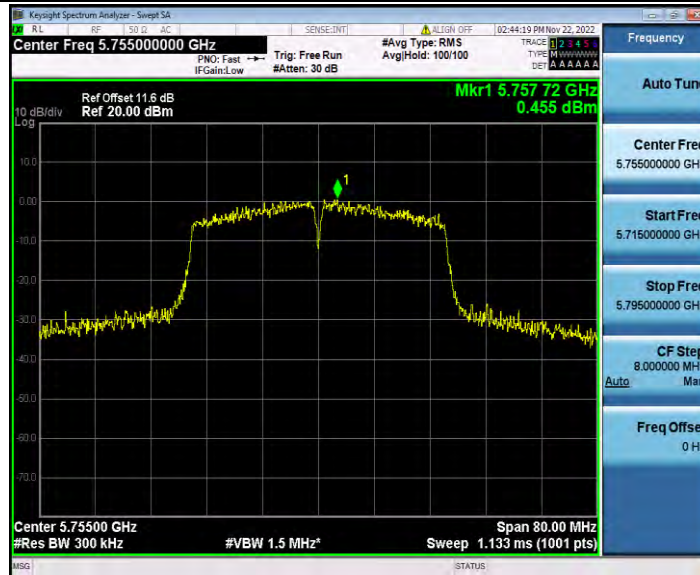
11N20SISO_Ant1_5785



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 E.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	-38.53	≤-17.17	PASS
				5700~5720	-28.25	≤14.69	PASS
				5720~5725	-24.91	≤26.83	PASS
				5760~5650	-40.45	≤-27	PASS
		High	5825	5850~5855	-32.48	≤20.10	PASS
				5855~5875	-36.7	≤10.29	PASS
				5875~5925	-38.41	≤-7.48	PASS
				5925~5935	-38.87	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-38.88	≤6.40	PASS
				5700~5720	-26.19	≤15.40	PASS
				5720~5725	-25.94	≤24.21	PASS
				5760~5650	-39.76	≤-27	PASS
		High	5825	5850~5855	-32.54	≤21.03	PASS
				5855~5875	-34.42	≤10.02	PASS
				5875~5925	-38.41	≤6.61	PASS
				5925~5935	-38.46	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-31.17	≤7.76	PASS
				5700~5720	-24.82	≤15.54	PASS
				5720~5725	-22.72	≤16.35	PASS
				5780~5650	-40.56	≤-27	PASS
		High	5795	5850~5855	-35.18	≤25.81	PASS
				5855~5875	-36.24	≤10.04	PASS
				5875~5925	-38.18	≤1.65	PASS
				5925~5935	-39.22	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-34.56	≤8.79	PASS
				5700~5720	-25.33	≤15.59	PASS
				5720~5725	-21.05	≤26.83	PASS
				5760~5650	-40.61	≤-27	PASS
		High	5825	5850~5855	-28.37	≤22.57	PASS
				5855~5875	-30.44	≤10.10	PASS
				5875~5925	-37.98	≤-26.86	PASS
				5925~5935	-38.96	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-31.67	≤9.86	PASS
				5700~5720	-21.27	≤15.43	PASS
				5720~5725	-20.33	≤24.05	PASS

				5780~5650	-40.3	≤ -27	PASS
		High	5795	5850~5855	-33.09	≤ 23.93	PASS
				5855~5875	-34.68	≤ 11.29	PASS
				5875~5925	-38.13	≤ -26.19	PASS
				5925~5935	-39.08	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-24.44	≤ 8.64	PASS
				5700~5720	-21.46	≤ 15.48	PASS
				5720~5725	-19.94	≤ 16.71	PASS
				5800~5650	-34.24	≤ -27	PASS
		High	5775	5850~5855	-26.31	≤ 19.17	PASS
				5855~5875	-27.21	≤ 10.59	PASS
				5875~5925	-33.76	≤ -25.86	PASS
				5925~5935	-37.18	≤ -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



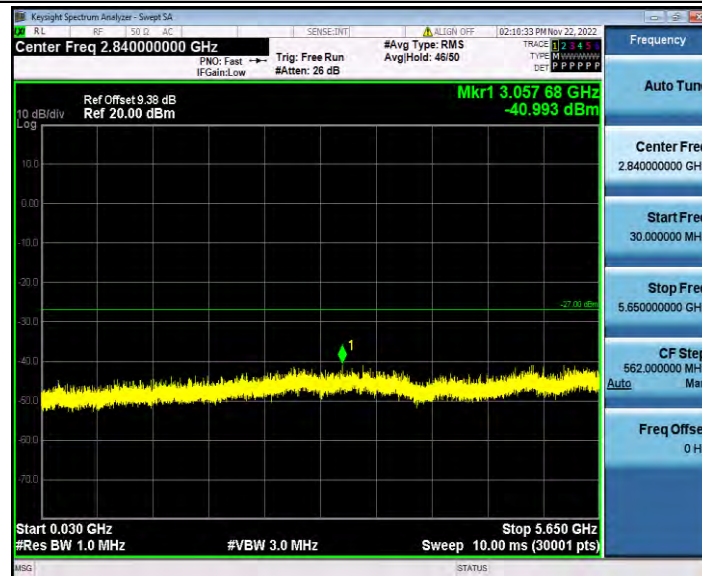
Appendix E.7: Conducted Spurious Emission

Test Result

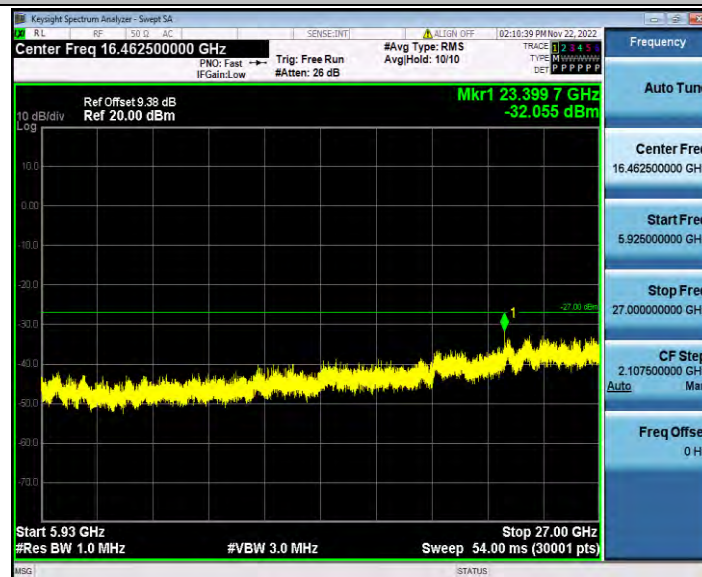
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	3057.68	-40.99	≤-27	PASS
			5925~40000	23399.69	-32.06	≤-27	PASS
		5785	30~5650	5392.79	-40.51	≤-27	PASS
			5925~40000	23507.17	-32.23	≤-27	PASS
		5825	30~5650	2833.63	-40.33	≤-27	PASS
			5925~40000	26980.33	-33.02	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5469.04	-40.32	≤-27	PASS
			5925~40000	25965.92	-32.86	≤-27	PASS
		5785	30~5650	2767.31	-39.87	≤-27	PASS
			5925~40000	25639.26	-32.15	≤-27	PASS
		5825	30~5650	5425.57	-39.28	≤-27	PASS
			5925~40000	25065.32	-31.92	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	3263	-41.3	≤-27	PASS
			5925~40000	24233.56	-32.8	≤-27	PASS
		5795	30~5650	5455.17	-39.83	≤-27	PASS
			5925~40000	26601.68	-32.02	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	2809.46	-40.84	≤-27	PASS
			5925~40000	24178.06	-30.33	≤-27	PASS
		5785	30~5650	5460.04	-40.28	≤-27	PASS
			5925~40000	23500.85	-30.49	≤-27	PASS
		5825	30~5650	2902.76	-39.9	≤-27	PASS
			5925~40000	24249.71	-32.67	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	3160.9	-40.54	≤-27	PASS
			5925~40000	23509.28	-32.6	≤-27	PASS
		5795	30~5650	5464.54	-40.03	≤-27	PASS
			5925~40000	24780.1	-32.84	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5649.63	-35.74	≤-27	PASS
			5925~40000	24313.64	-33.38	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



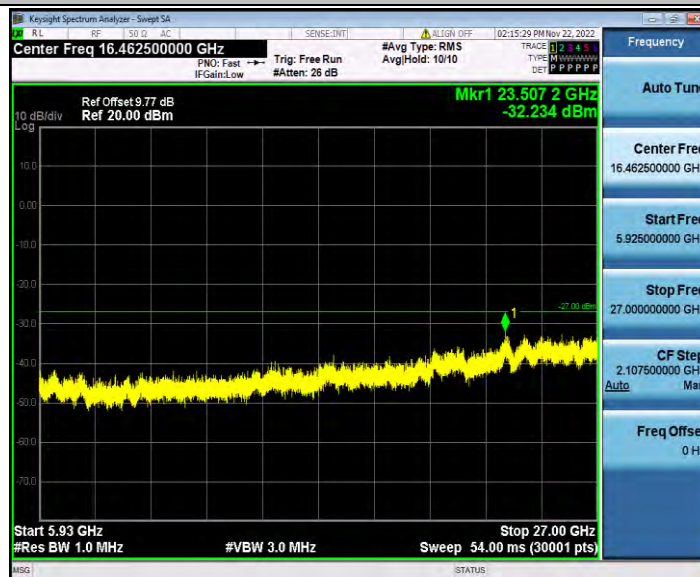
11A_Ant1_5745_5925~40000



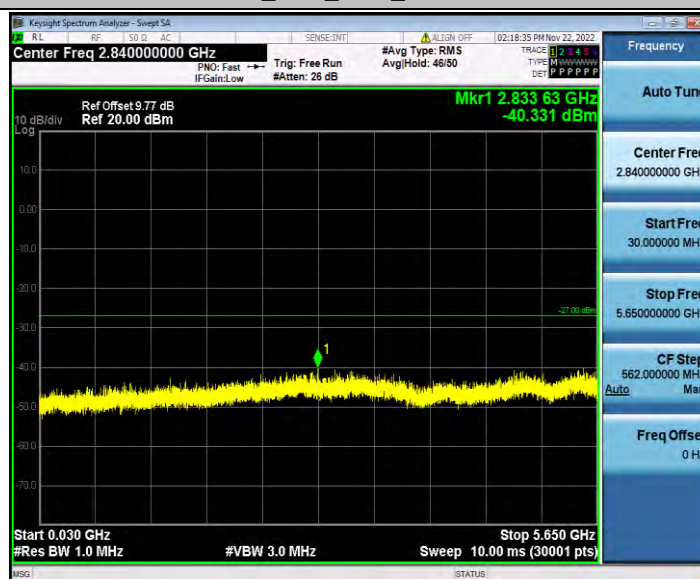
11A_Ant1_5785_30~5650



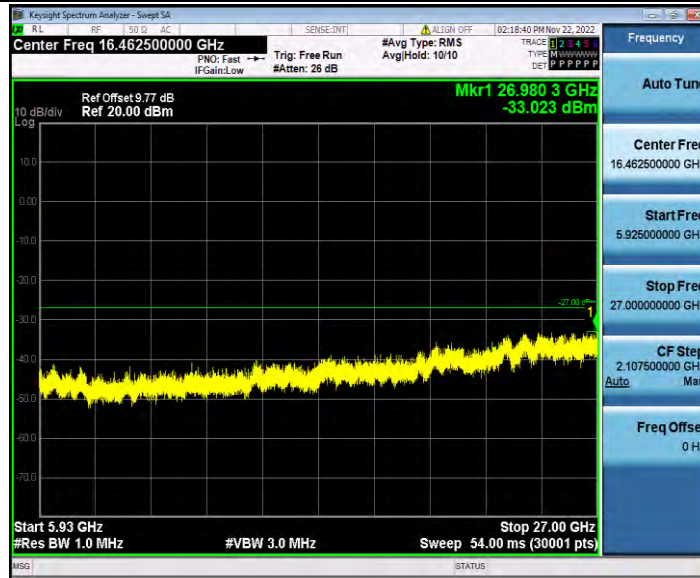
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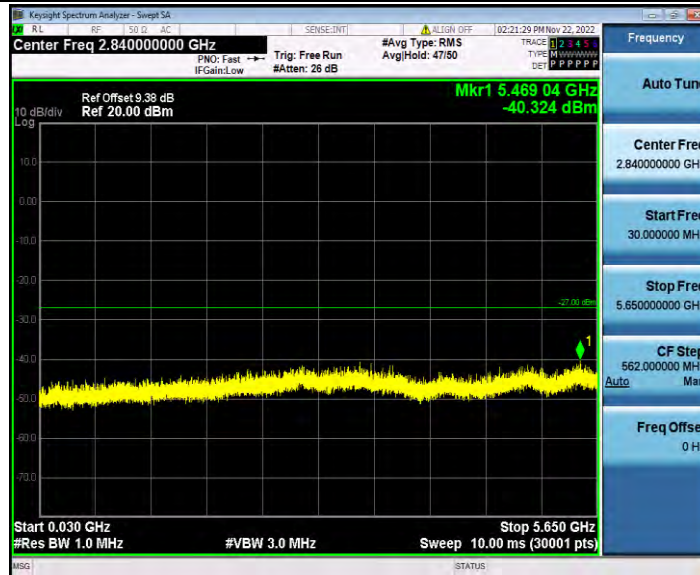
11A_Ant1_5825_30~5650



11A_Ant1_5825_5925~40000



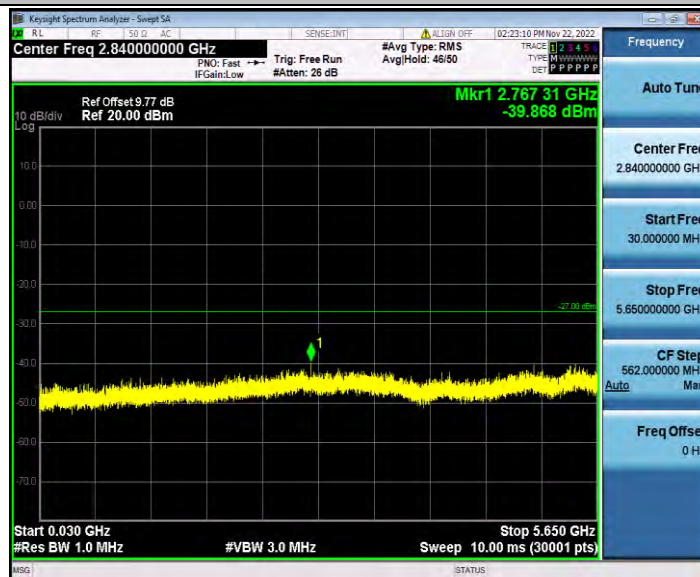
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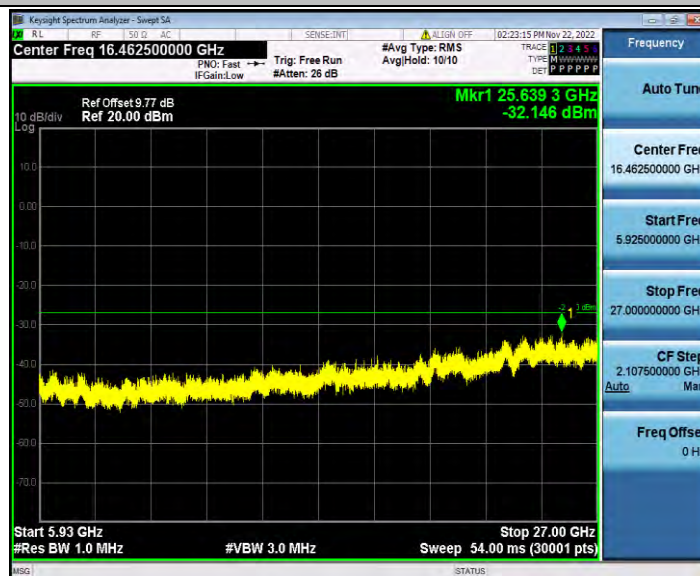
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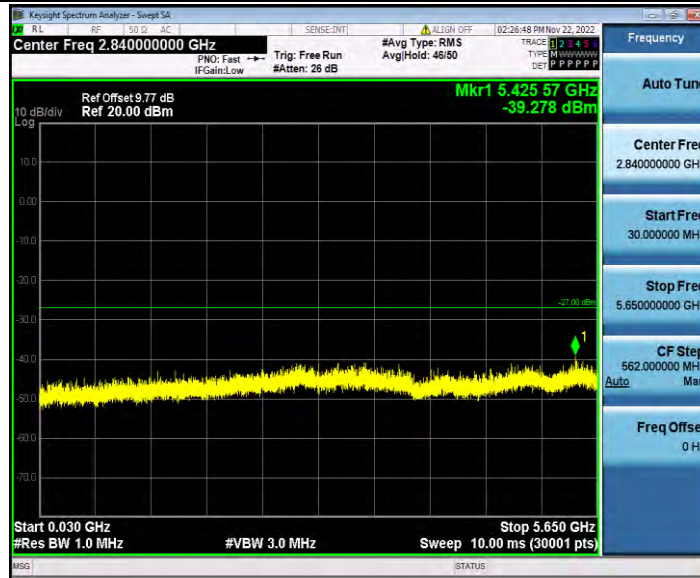
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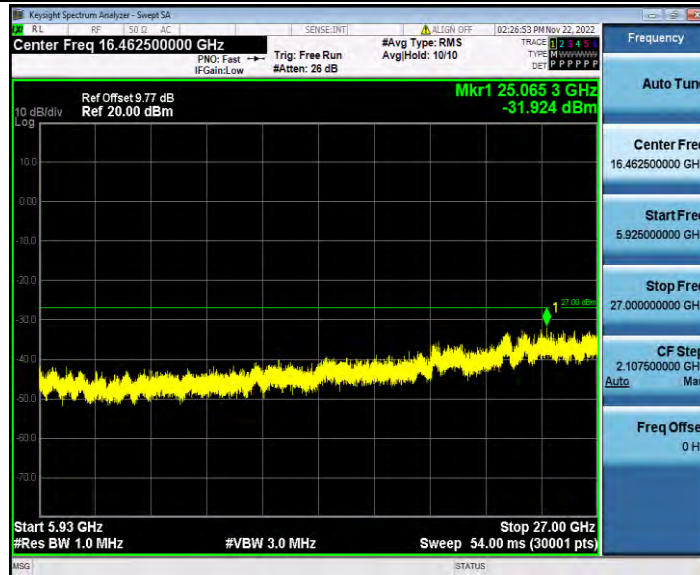
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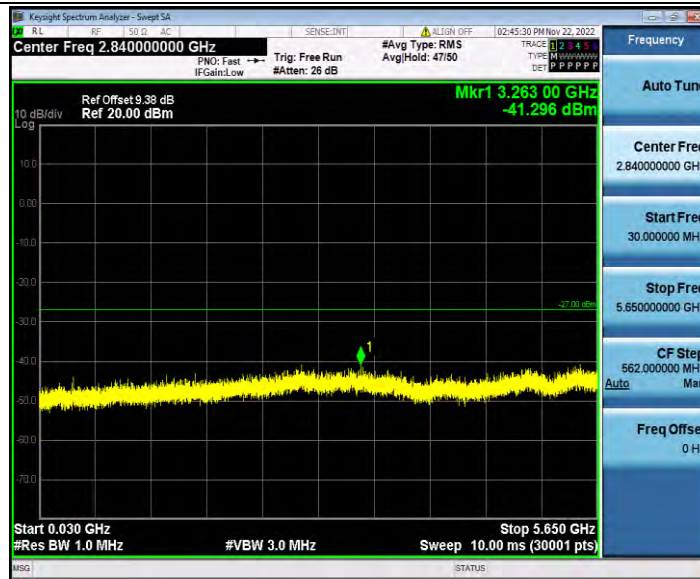
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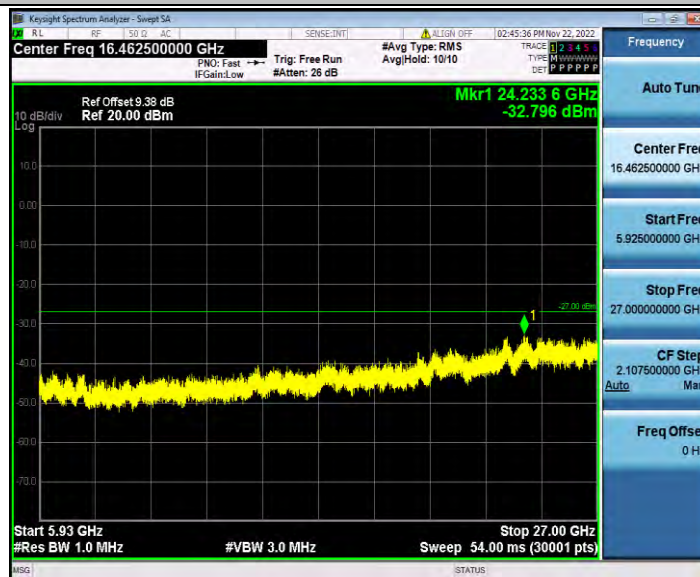
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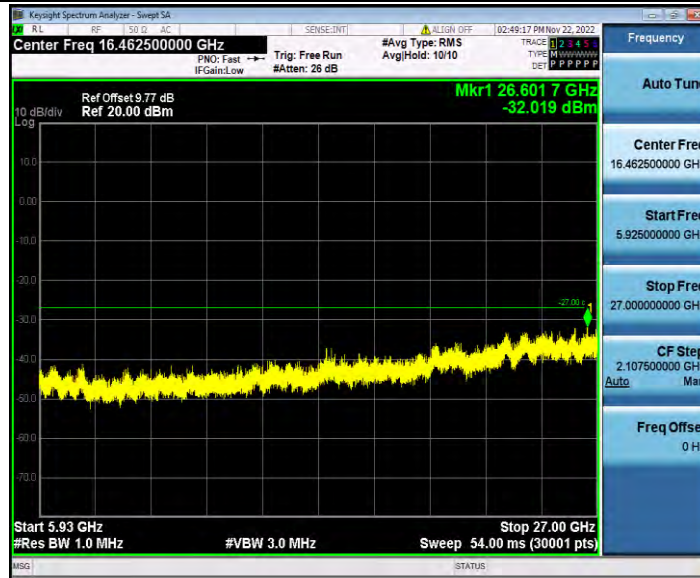
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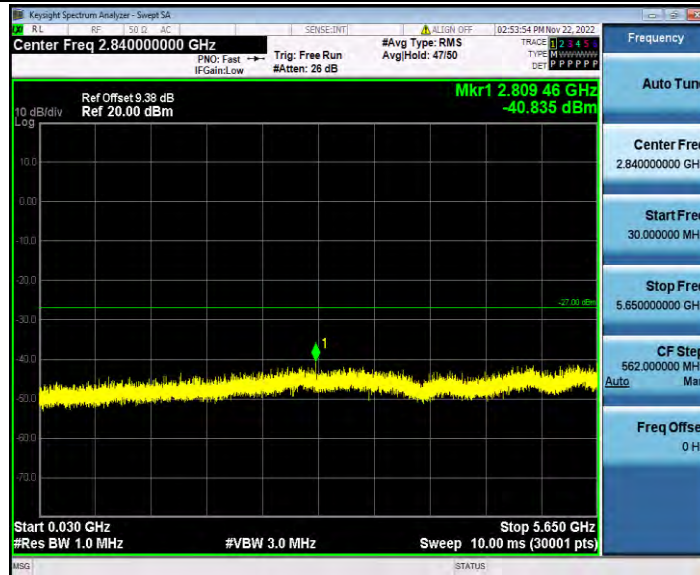
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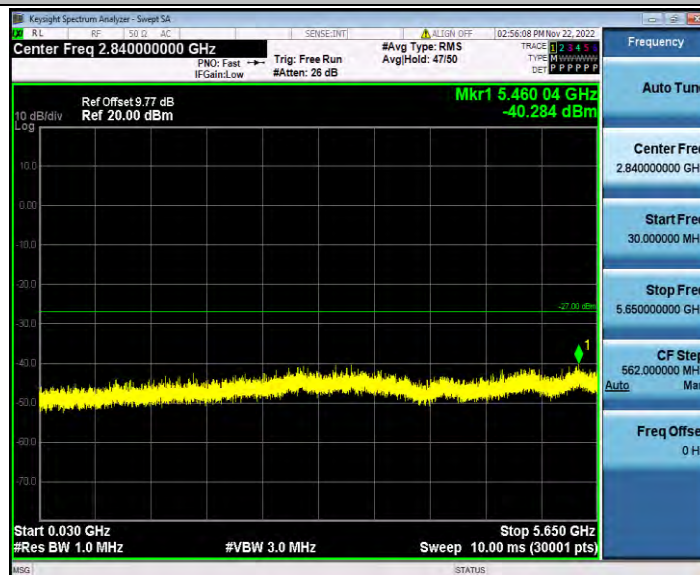
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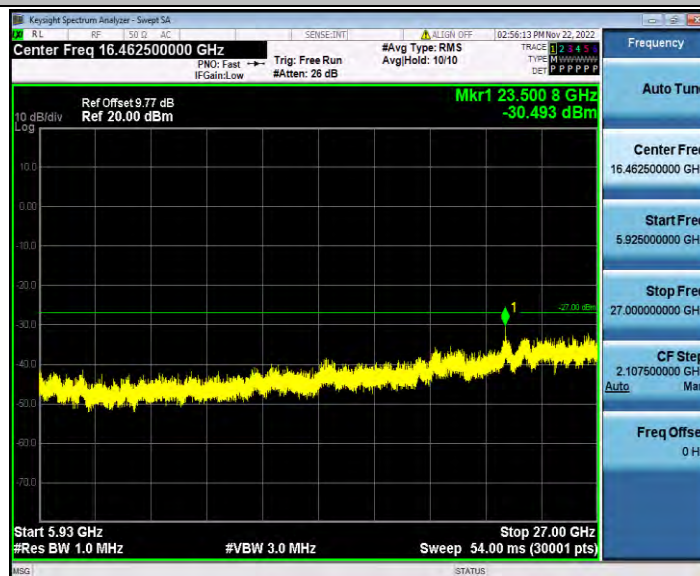
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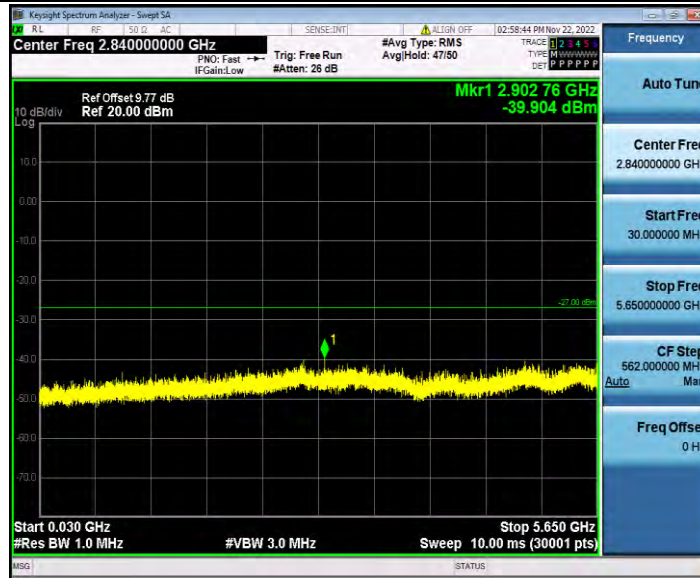
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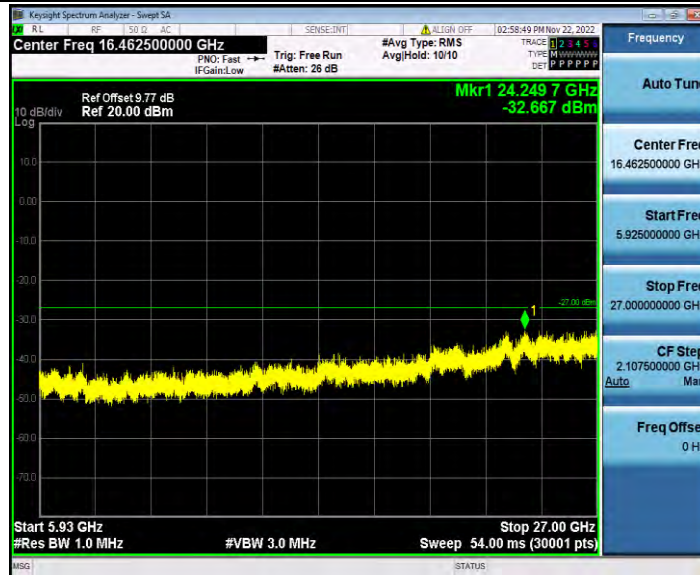
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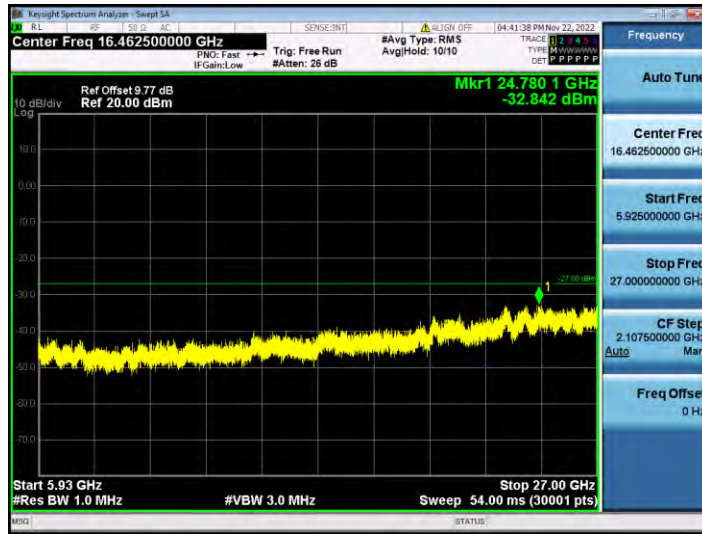
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11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~40000

