

Case No. : <u>GTS20221012010-1-26</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.11.21</u>	Test Engineer: <u>Jenny zeng</u>

Appendix E.1: Occupied channel bandwidth

Test Result

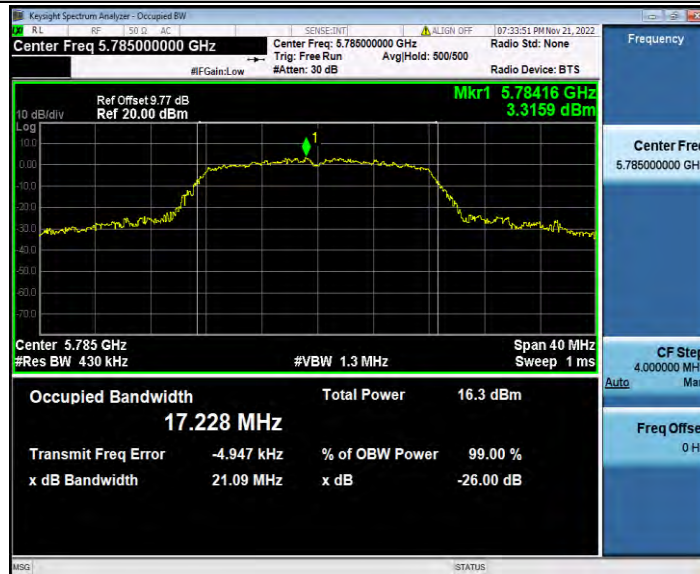
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11A	Ant1	5745	17.212	5736.355	5753.567
		5785	17.228	5776.381	5793.609
		5825	17.237	5816.273	5833.510
11N20SISO	Ant1	5745	17.879	5736.069	5753.948
		5785	17.853	5776.061	5793.914
		5825	17.880	5815.977	5833.857
11N40SISO	Ant1	5755	36.427	5736.871	5773.298
		5795	36.363	5776.857	5813.220
11AC20SISO	Ant1	5745	17.888	5736.051	5753.939
		5785	17.830	5776.079	5793.909
		5825	17.835	5816.010	5833.845
11AC40SISO	Ant1	5755	36.354	5736.880	5773.234
		5795	36.314	5776.875	5813.189
11AC80SISO	Ant1	5775	75.820	5737.133	5812.953

Test Graphs

11A_Ant1_5745



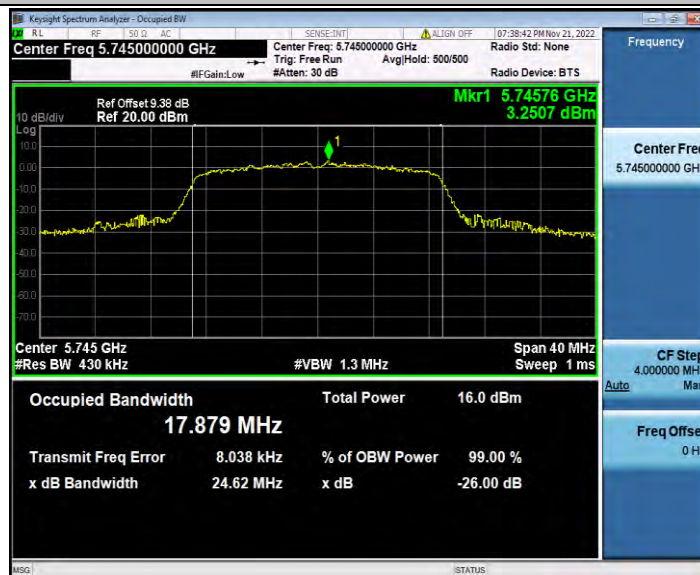
11A_Ant1_5785



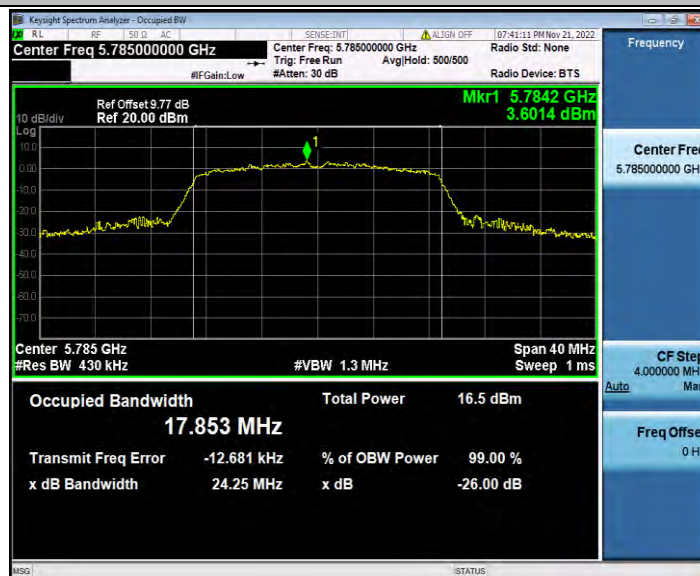
11A_Ant1_5825



11N20SISO_Ant1_5745



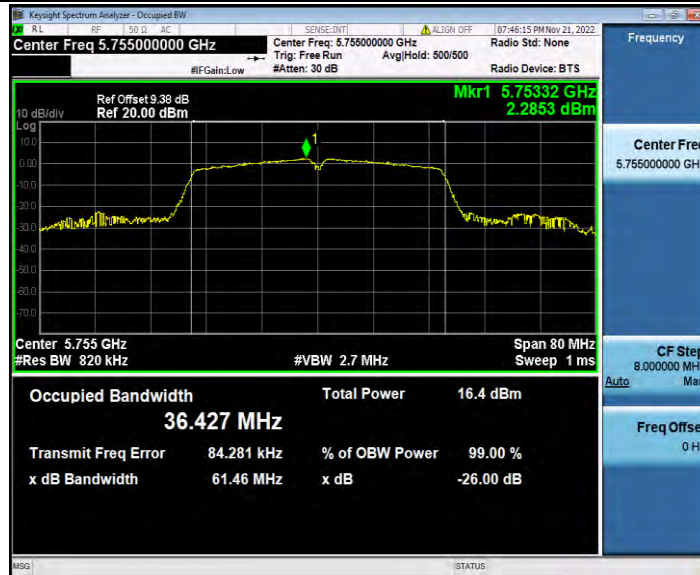
11N20SISO_Ant1_5785



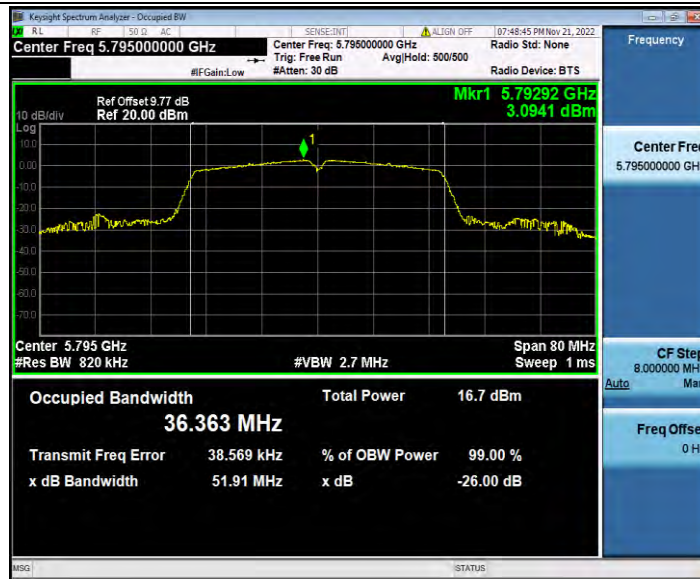
11N20SISO_Ant1_5825



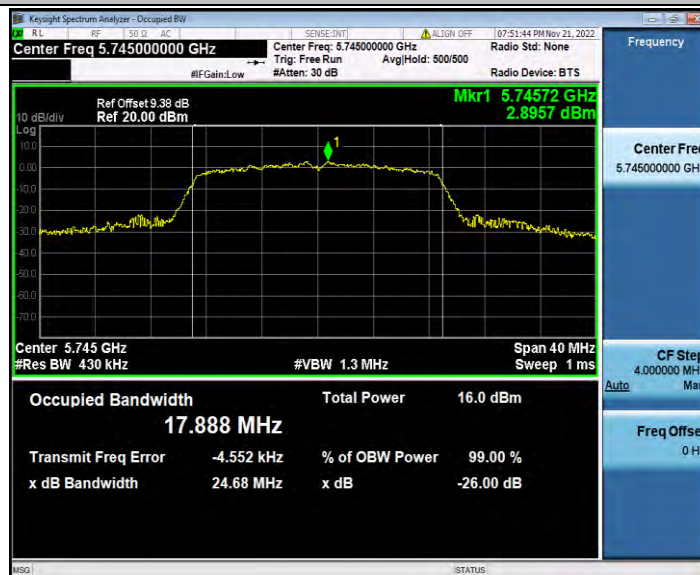
11N40SISO_Ant1_5755



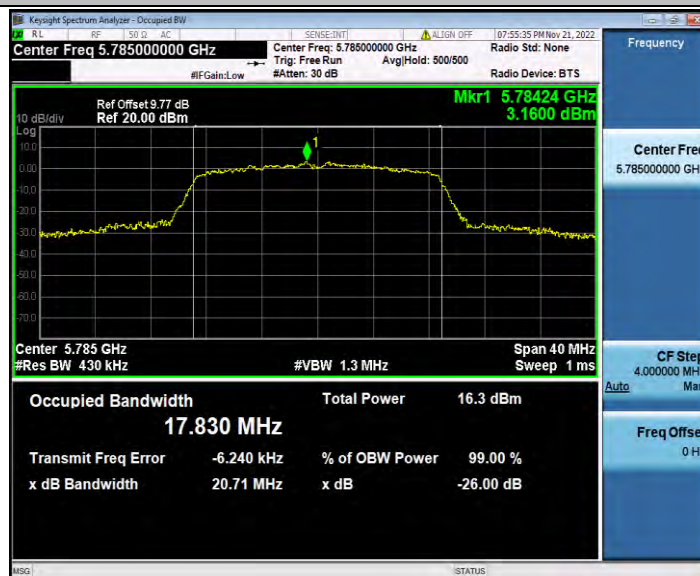
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



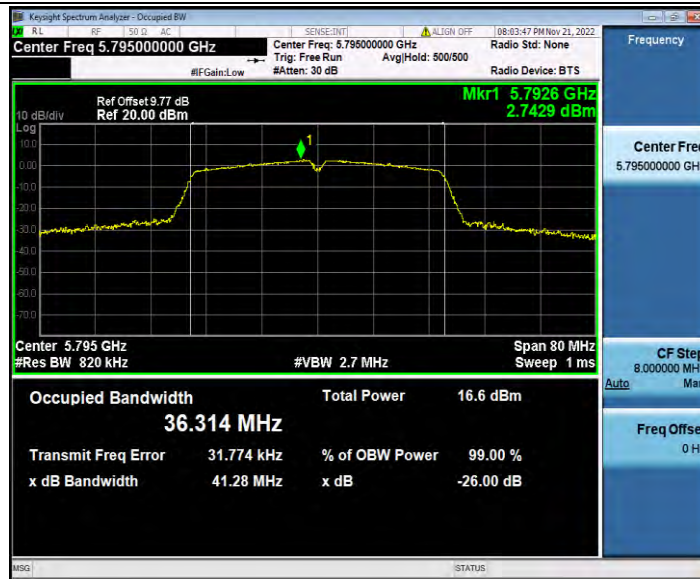
11AC20SISO_Ant1_5825



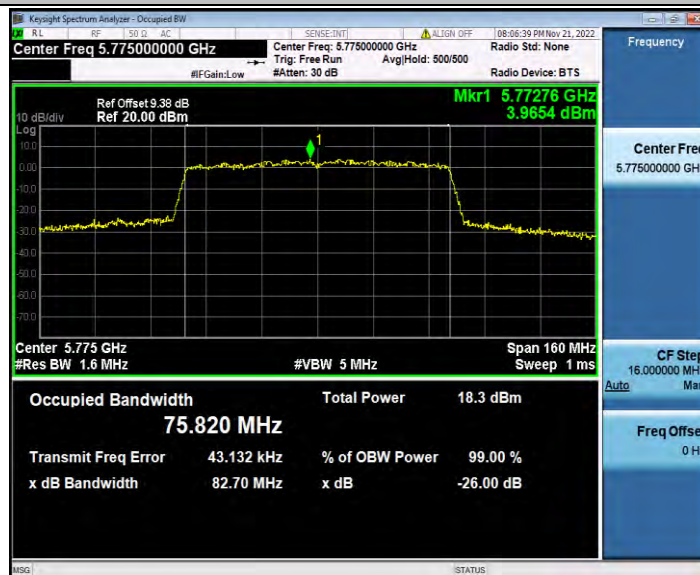
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



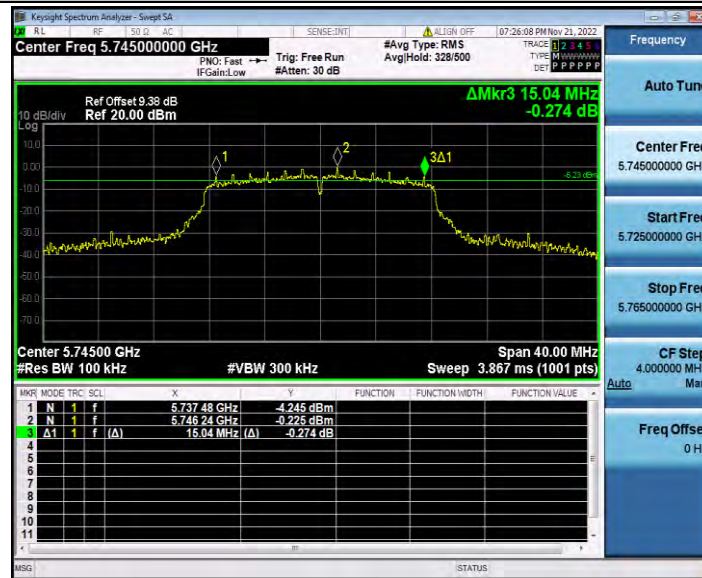
Appendix E.2: Min emission bandwidth

Test Result B4

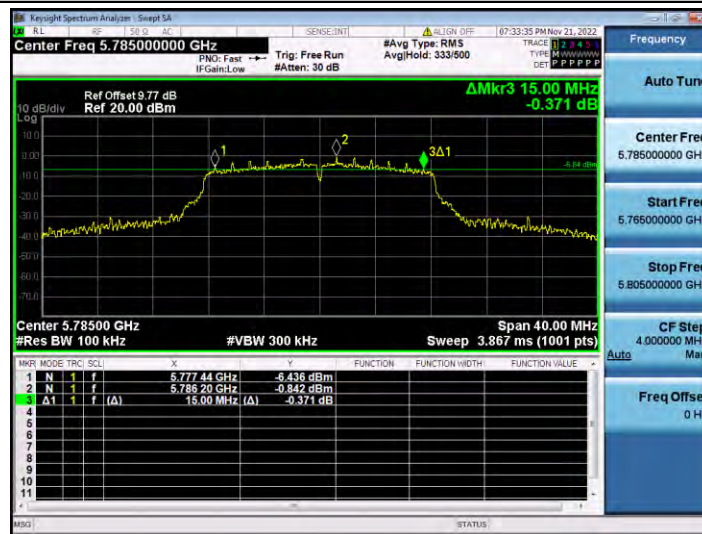
TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.040	5737.480	5752.520	0.5	PASS
		5785	15.000	5777.440	5792.440	0.5	PASS
		5825	15.480	5817.080	5832.560	0.5	PASS
11N20SISO	Ant1	5745	15.040	5737.480	5752.520	0.5	PASS
		5785	15.080	5777.440	5792.520	0.5	PASS
		5825	15.080	5817.440	5832.520	0.5	PASS
11N40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	15.040	5737.520	5752.560	0.5	PASS
		5785	13.840	5778.680	5792.520	0.5	PASS
		5825	15.080	5817.440	5832.520	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	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

11A_Ant1_5745



11A_Ant1_5785



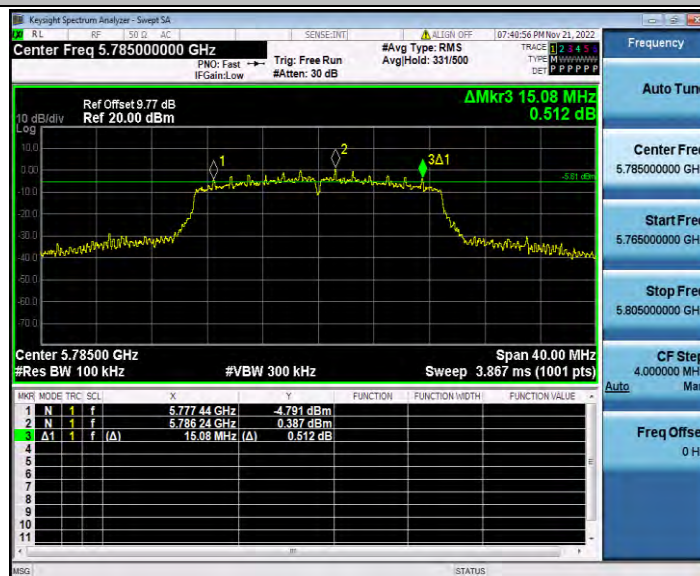
11A_Ant1_5825



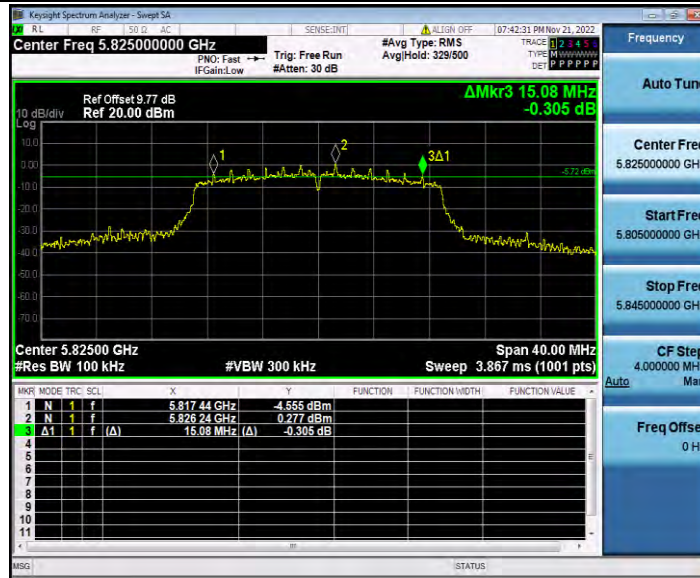
11N20SISO_Ant1_5745



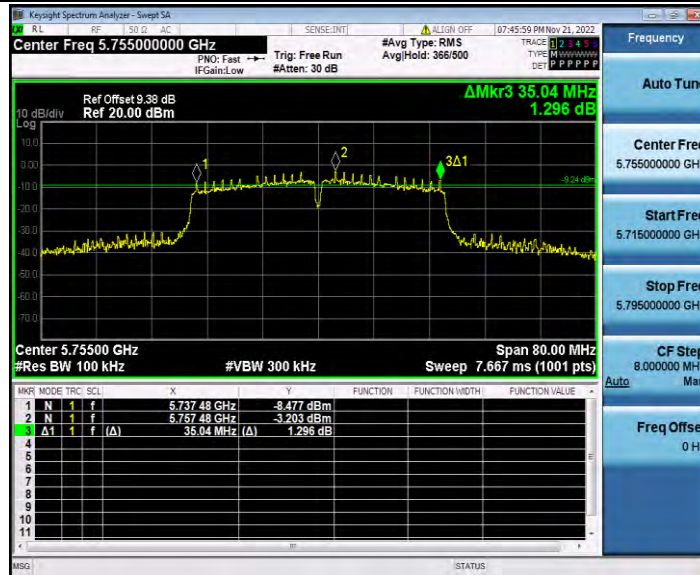
11N20SISO_Ant1_5785



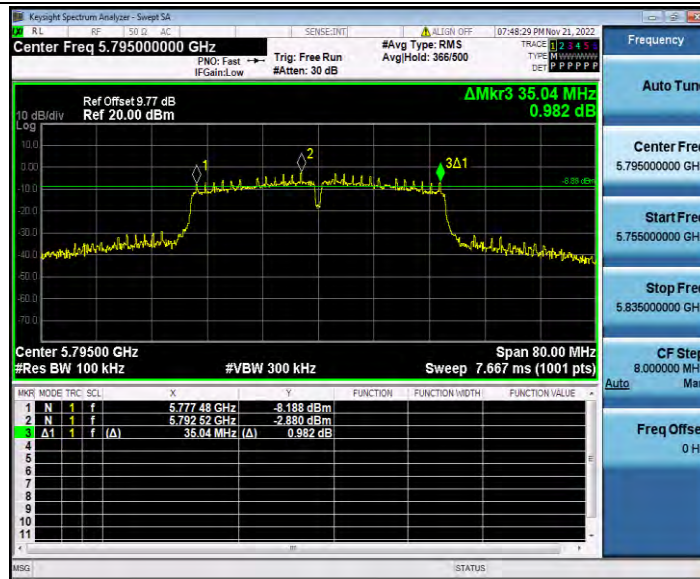
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



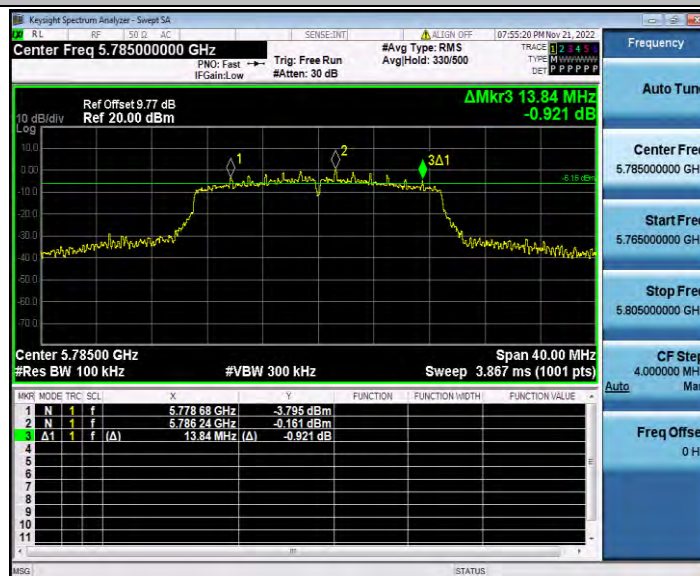
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



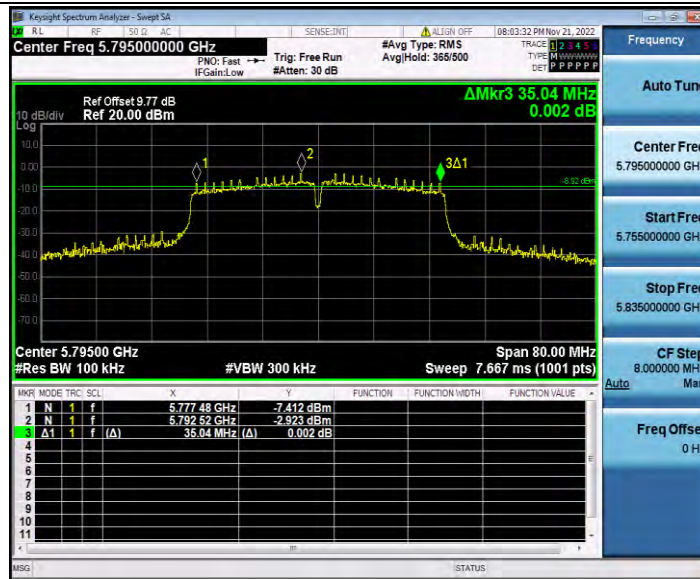
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

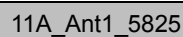
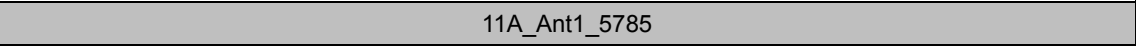


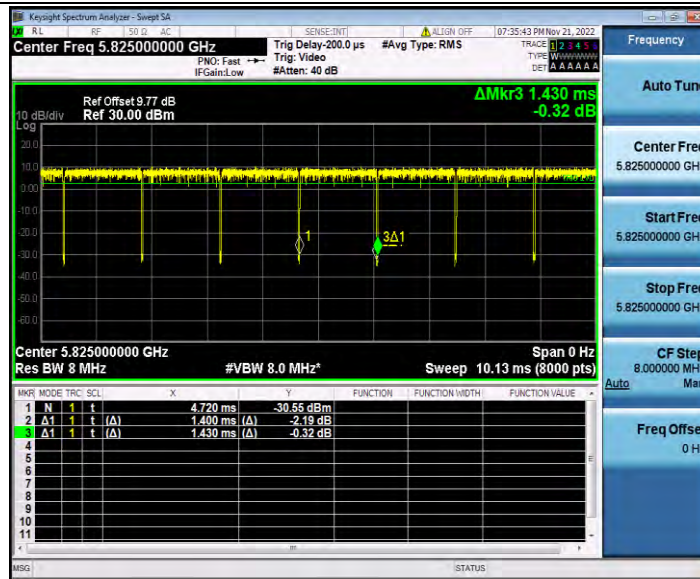
Appendix E.3: Duty Cycle

Test Result

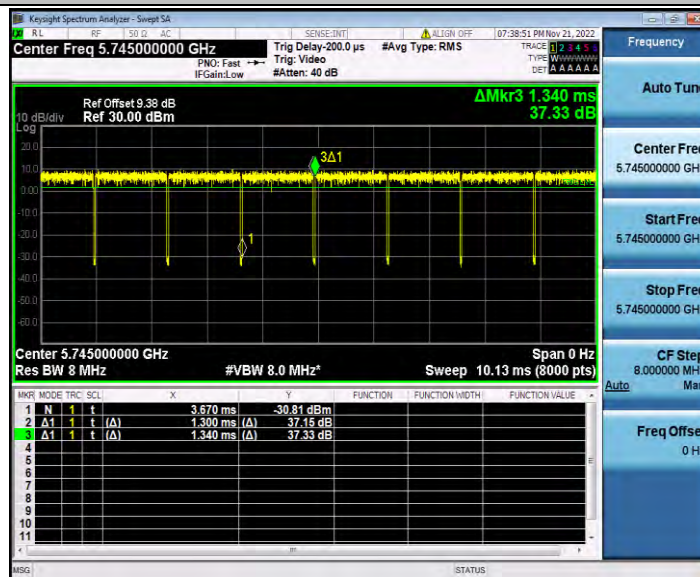
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	1.39	1.43	97.20
		5785	1.39	1.42	97.89
		5825	1.40	1.43	97.90
11N20SISO	Ant1	5745	1.30	1.34	97.01
		5785	1.30	1.33	97.74
		5825	1.30	1.34	97.01
11N40SISO	Ant1	5755	0.64	0.68	94.12
		5795	0.65	0.68	95.59
11AC20SISO	Ant1	5745	1.29	1.33	96.99
		5785	1.31	1.35	97.04
		5825	1.31	1.34	97.76
11AC40SISO	Ant1	5755	0.65	0.69	94.20
		5795	0.65	0.69	94.20
11AC80SISO	Ant1	5775	0.32	0.36	88.89

11A_Ant1_5745

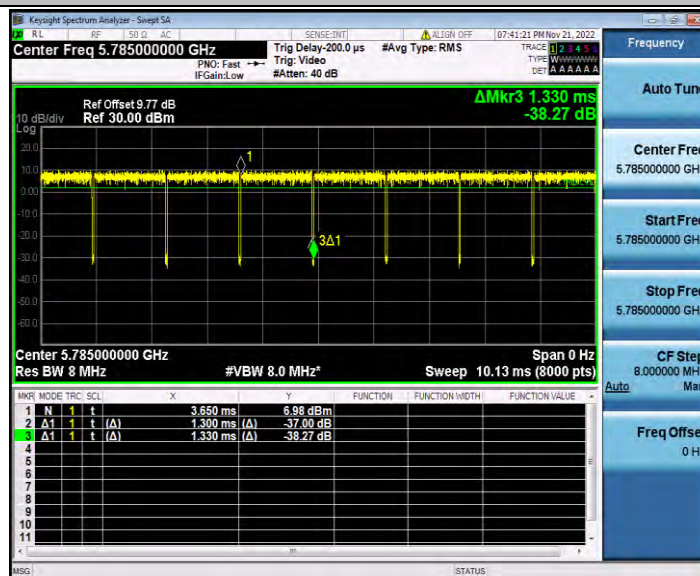




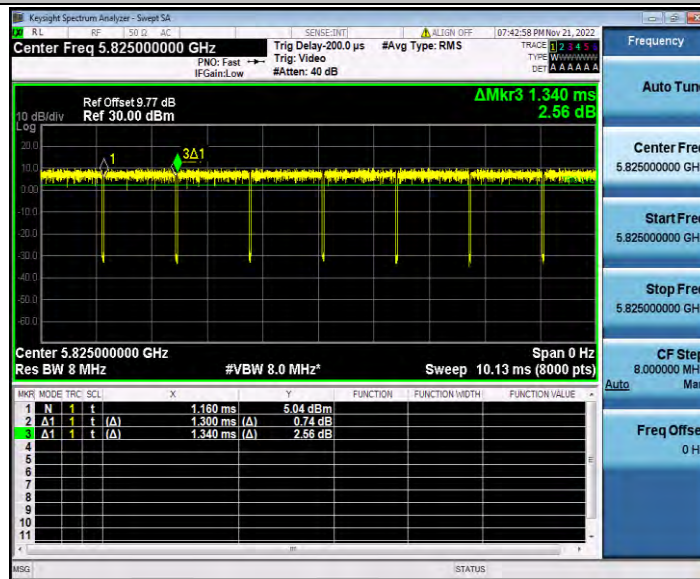
11N20SISO_Ant1_5745



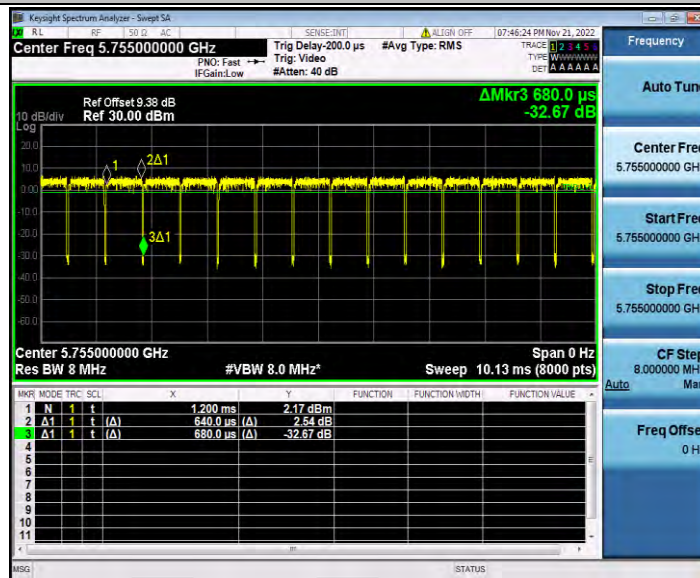
11N20SISO_Ant1_5785



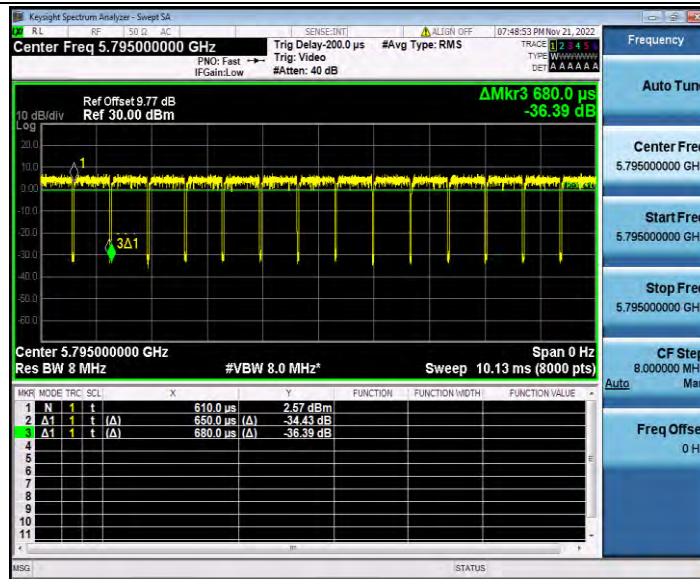
11N20SISO_Ant1_5825



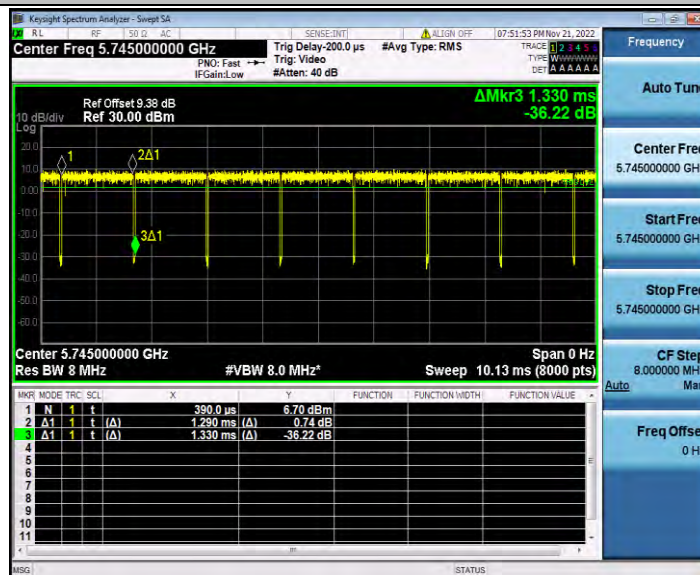
11N40SISO_Ant1_5755



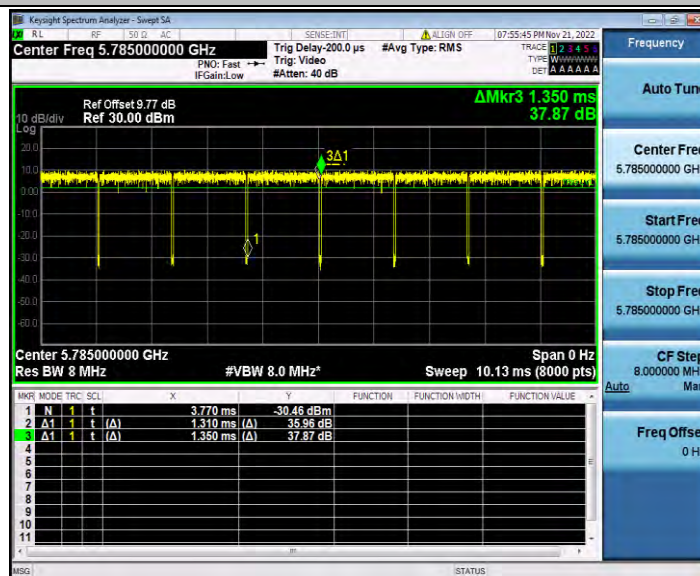
11N40SISO_Ant1_5795



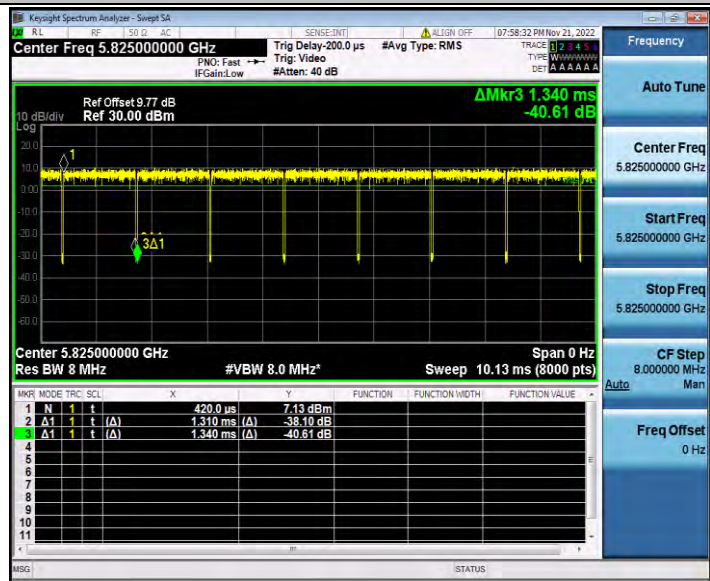
11AC20SISO_Ant1_5745



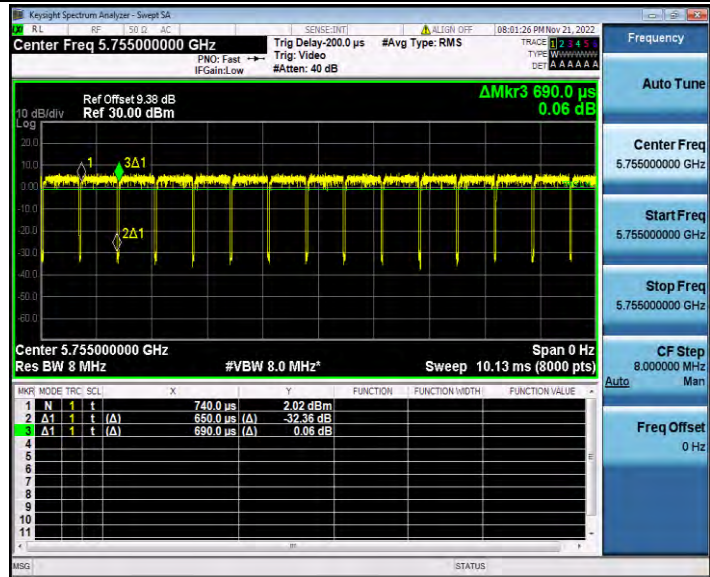
11AC20SISO_Ant1_5785



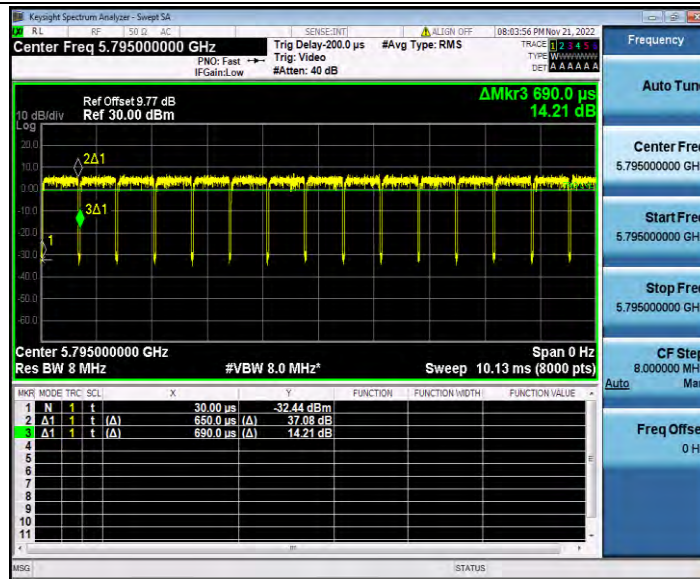
11AC20SISO_Ant1_5825



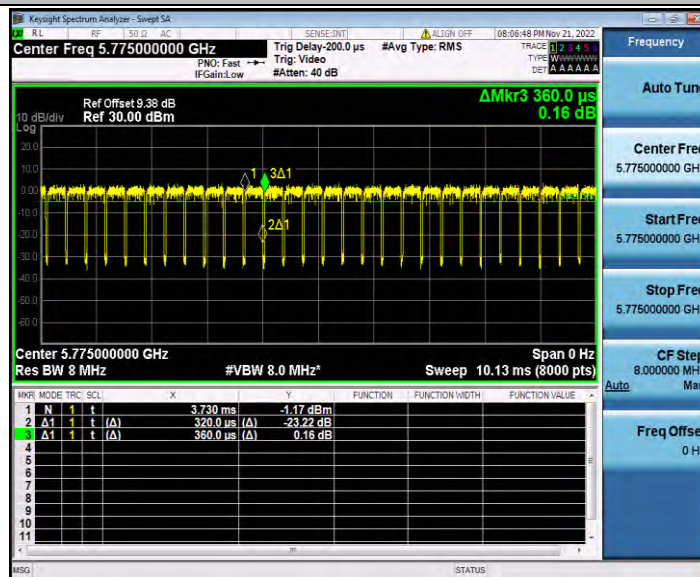
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix E.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	9.22	97.20	0.12	9.34	≤30.00	PASS
		5785	9.46	97.89	0.09	9.55	≤30.00	PASS
		5825	10.02	97.90	0.09	10.11	≤30.00	PASS
11N20SISO	Ant1	5745	9.21	97.01	0.13	9.34	≤30.00	PASS
		5785	9.66	97.74	0.10	9.76	≤30.00	PASS
		5825	9.78	97.01	0.13	9.91	≤30.00	PASS
11N40SISO	Ant1	5755	8.97	94.12	0.26	9.23	≤30.00	PASS
		5795	9.33	95.59	0.20	9.53	≤30.00	PASS
11AC20SISO	Ant1	5745	9.18	96.99	0.13	9.31	≤30.00	PASS
		5785	9.51	97.04	0.13	9.64	≤30.00	PASS
		5825	9.76	97.76	0.10	9.86	≤30.00	PASS
11AC40SISO	Ant1	5755	8.86	94.20	0.26	9.12	≤30.00	PASS
		5795	9.23	94.20	0.26	9.49	≤30.00	PASS
11AC80SISO	Ant1	5775	8.97	88.89	0.51	9.48	≤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	2.95	≤30.00	PASS
		5785	3.12	≤30.00	PASS
		5825	3.53	≤30.00	PASS
11N20SISO	Ant1	5745	2.84	≤30.00	PASS
		5785	3.23	≤30.00	PASS
		5825	3.31	≤30.00	PASS
11N40SISO	Ant1	5755	-0.35	≤30.00	PASS
		5795	0.26	≤30.00	PASS
11AC20SISO	Ant1	5745	2.72	≤30.00	PASS
		5785	2.99	≤30.00	PASS
		5825	3.68	≤30.00	PASS
11AC40SISO	Ant1	5755	-0.13	≤30.00	PASS
		5795	0.06	≤30.00	PASS
11AC80SISO	Ant1	5775	-3.66	≤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



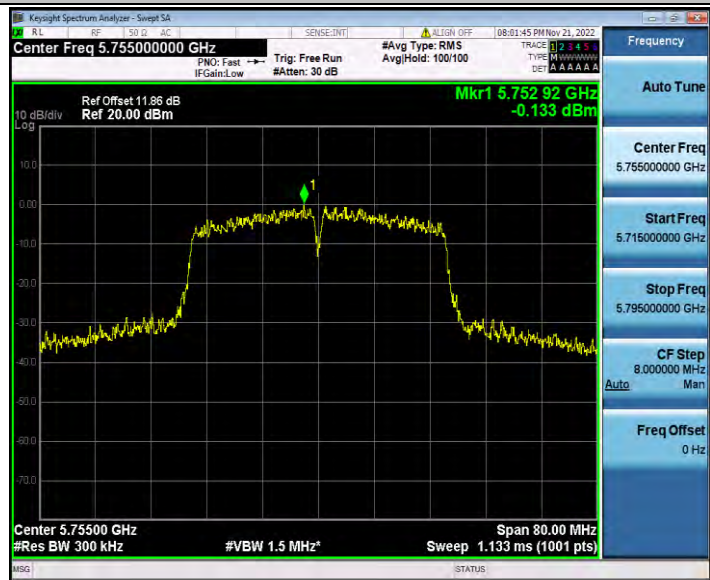
11AC20SISO_Ant1_5785



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	-38.61	≤-9.34	PASS
				5700~5720	-30.01	≤14.89	PASS
				5720~5725	-27.32	≤22.90	PASS
				5760~5650	-40.65	≤-27	PASS
		High	5825	5850~5855	-30.73	≤21.95	PASS
				5855~5875	-35.6	≤10.63	PASS
				5875~5925	-38.49	≤-18.96	PASS
				5925~5935	-38.8	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-37.05	≤9.30	PASS
				5700~5720	-27.31	≤15.53	PASS
				5720~5725	-25.6	≤25.52	PASS
				5760~5650	-39.39	≤-27	PASS
		High	5825	5850~5855	-30.37	≤17.64	PASS
				5855~5875	-34.47	≤10.48	PASS
				5875~5925	-38.16	≤3.61	PASS
				5925~5935	-38.89	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-34.32	≤8.06	PASS
				5700~5720	-24.94	≤15.43	PASS
				5720~5725	-21.28	≤22.82	PASS
				5780~5650	-39.83	≤-27	PASS
		High	5795	5850~5855	-37.28	≤26.94	PASS
				5855~5875	-36.89	≤10.55	PASS
				5875~5925	-38.17	≤-15.32	PASS
				5925~5935	-38.64	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-39.11	≤8.62	PASS
				5700~5720	-26.95	≤15.43	PASS
				5720~5725	-26.75	≤23.68	PASS
				5760~5650	-40.27	≤-27	PASS
		High	5825	5850~5855	-30.19	≤19.18	PASS
				5855~5875	-33.68	≤10.93	PASS
				5875~5925	-38.32	≤-10.37	PASS
				5925~5935	-38.7	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-34.47	≤9.46	PASS
				5700~5720	-28.46	≤15.43	PASS
				5720~5725	-27.39	≤26.82	PASS
				5780~5650	-40.27	≤-27	PASS

		High	5795	5850~5855	-37.37	≤ 17.91	PASS
				5855~5875	-35.98	≤ 10.09	PASS
				5875~5925	-37.77	≤ -19.84	PASS
				5925~5935	-39.1	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-28.66	≤ 9.33	PASS
				5700~5720	-26.15	≤ 13.04	PASS
				5720~5725	-27.2	≤ 16.35	PASS
				5800~5650	-35.61	≤ -27	PASS
		High	5775	5850~5855	-32.27	≤ 16.64	PASS
				5855~5875	-34.02	≤ 10.23	PASS
				5875~5925	-36.66	≤ -26.96	PASS
				5925~5935	-39.05	≤ -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



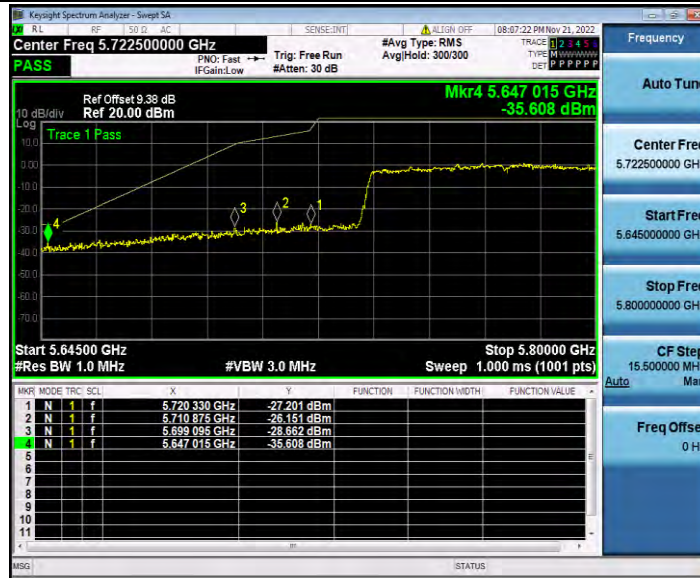
11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775



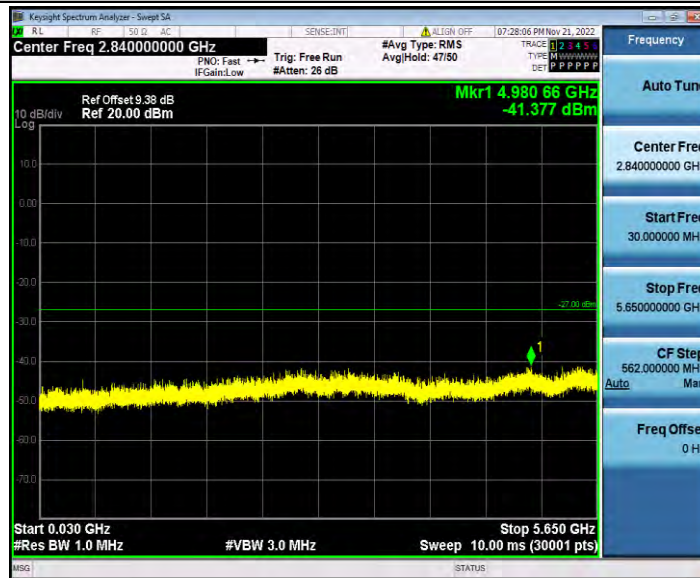
Appendix E.7: Conducted Spurious Emission

Test Result

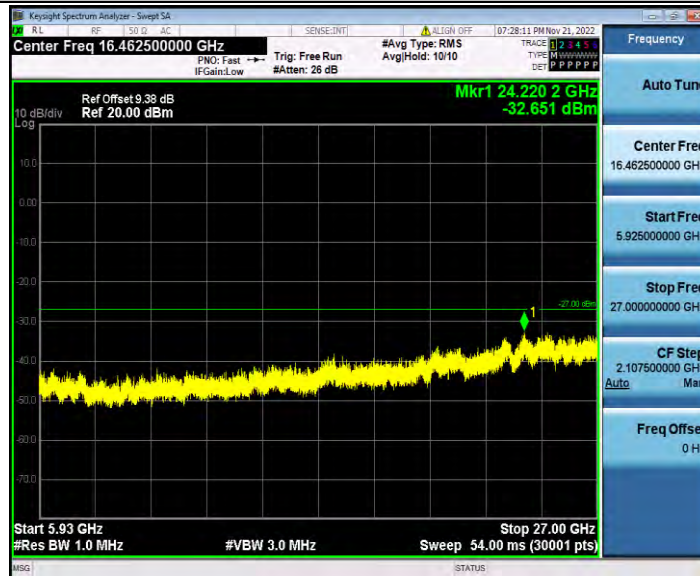
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	4980.66	-41.38	≤-27	PASS
			5925~40000	24220.21	-32.65	≤-27	PASS
		5785	30~5650	5420.89	-40.59	≤-27	PASS
			5925~40000	24808.9	-32.52	≤-27	PASS
		5825	30~5650	3097.4	-41.24	≤-27	PASS
			5925~40000	24876.34	-31.54	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5400.66	-40.9	≤-27	PASS
			5925~40000	23537.38	-32.03	≤-27	PASS
		5785	30~5650	4830.23	-40.5	≤-27	PASS
			5925~40000	23502.25	-32.06	≤-27	PASS
		5825	30~5650	5384.17	-40.2	≤-27	PASS
			5925~40000	26567.26	-32.09	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5510.44	-40.83	≤-27	PASS
			5925~40000	24846.84	-32.48	≤-27	PASS
		5795	30~5650	4962.86	-40.57	≤-27	PASS
			5925~40000	25151.72	-32.56	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5466.79	-41.31	≤-27	PASS
			5925~40000	26692.31	-32.78	≤-27	PASS
		5785	30~5650	4911.72	-39.63	≤-27	PASS
			5925~40000	25619.59	-31.99	≤-27	PASS
		5825	30~5650	833.47	-36.07	≤-27	PASS
			5925~40000	24319.96	-32.47	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5437.19	-41.34	≤-27	PASS
			5925~40000	24813.12	-32.21	≤-27	PASS
		5795	30~5650	5490.02	-40.83	≤-27	PASS
			5925~40000	26948.72	-32.11	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5643.44	-37.57	≤-27	PASS
			5925~40000	24486.46	-32.59	≤-27	PASS

Test Graphs

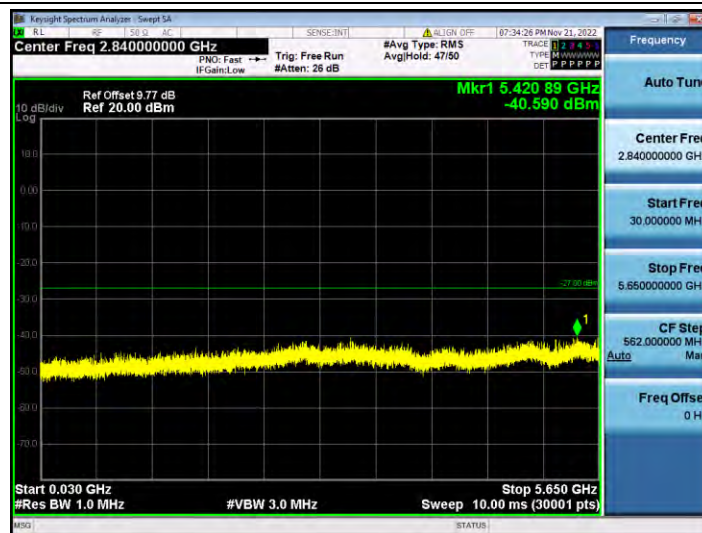
11A_Ant1_5745_30~5650



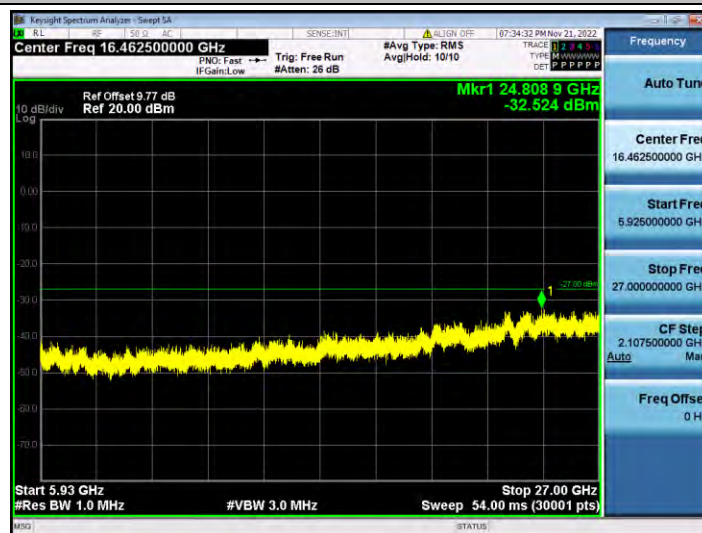
11A_Ant1_5745_5925~40000



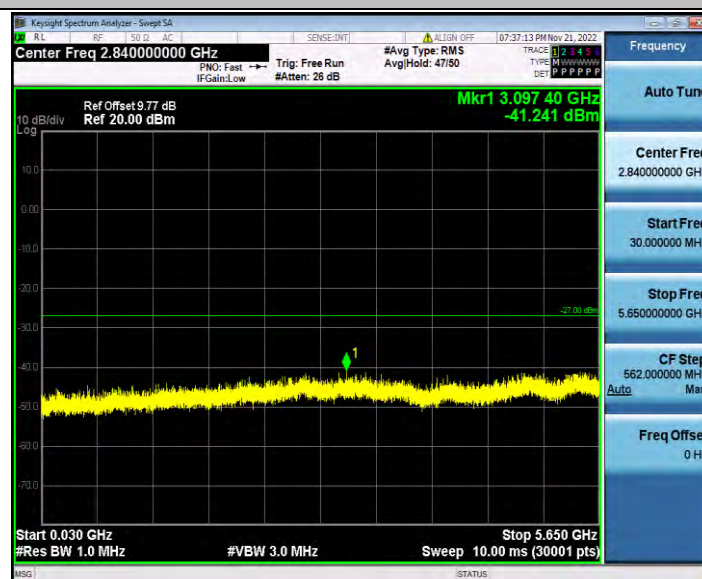
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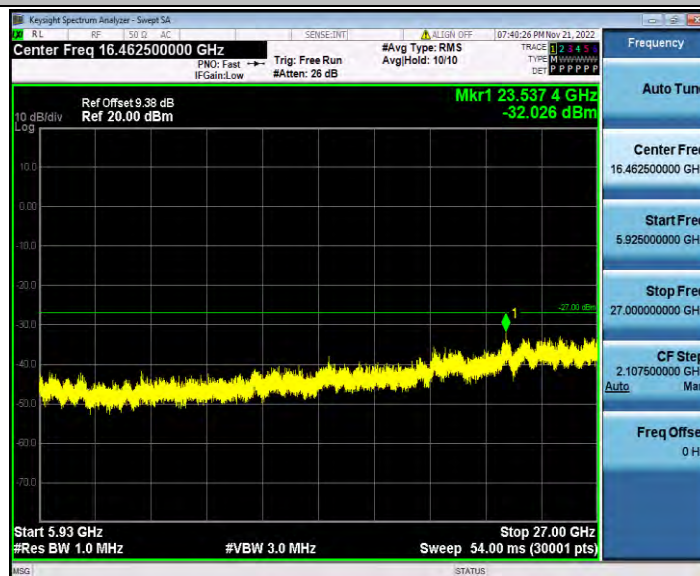
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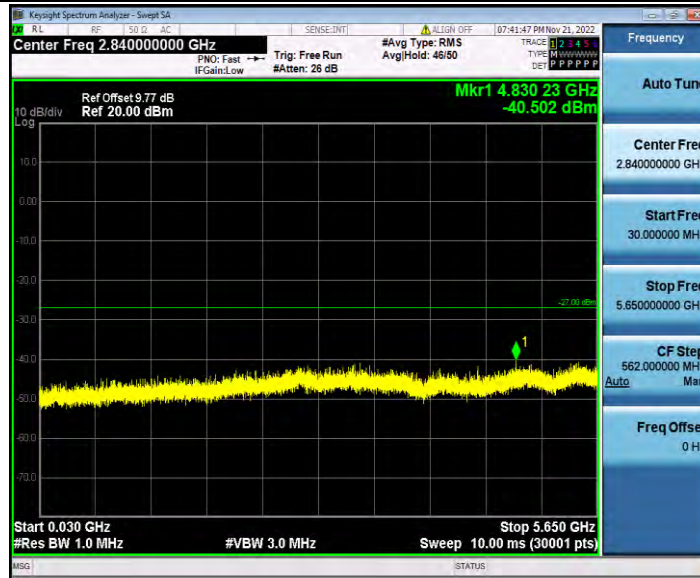
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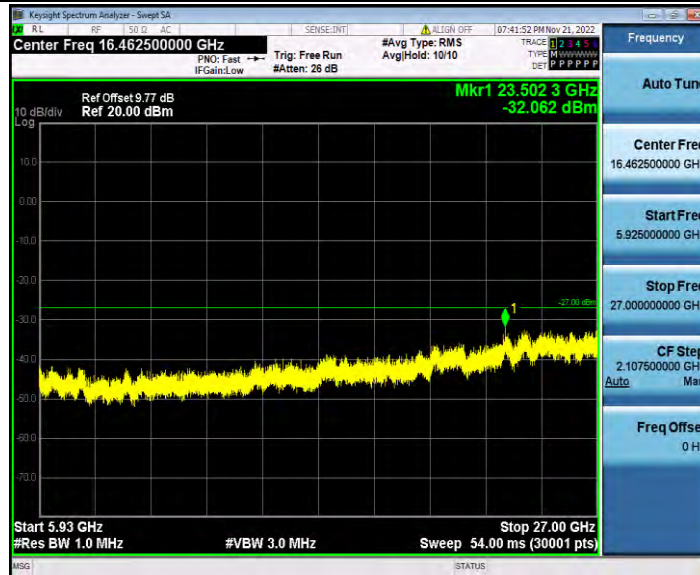
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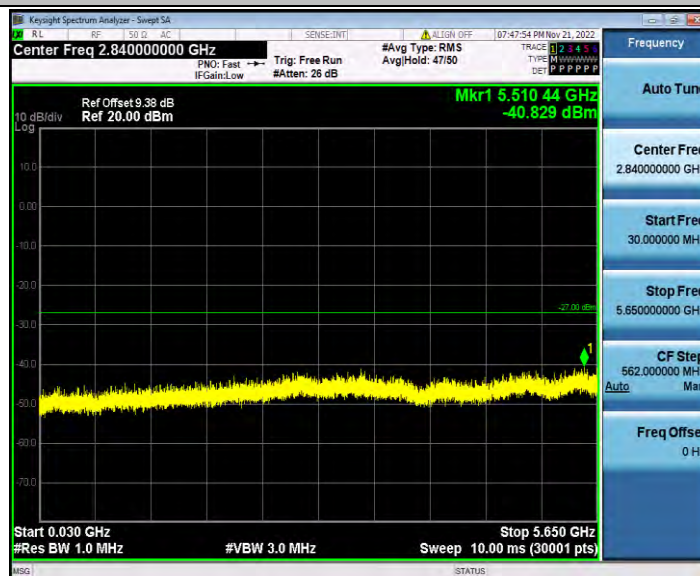
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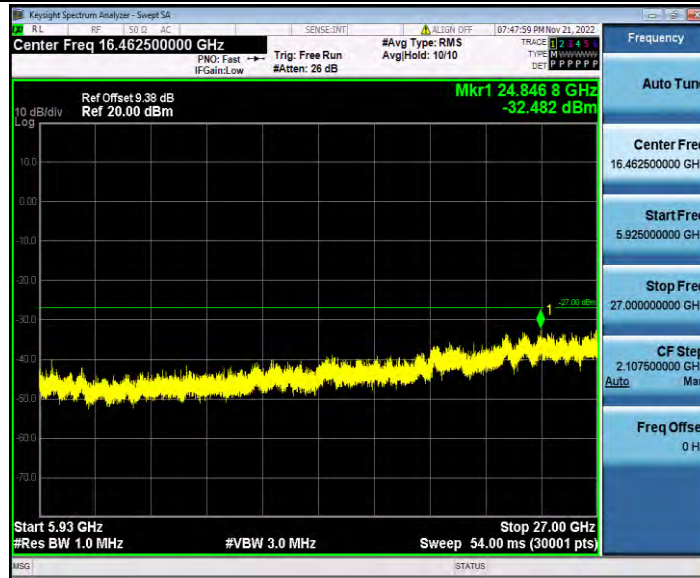
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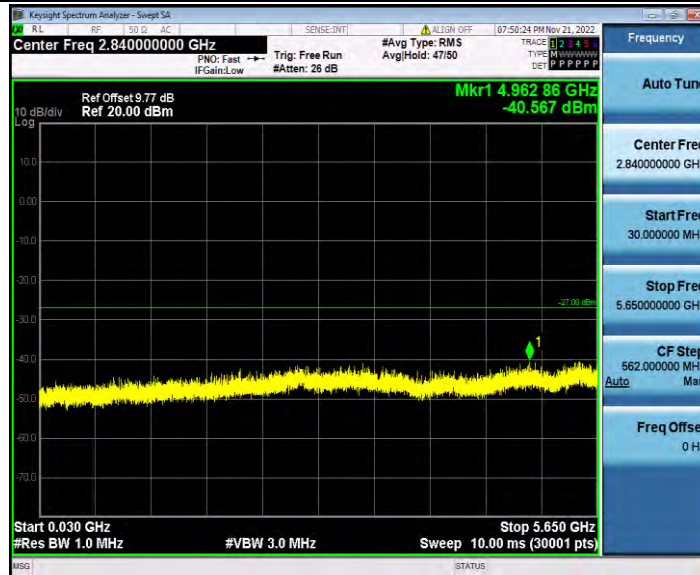
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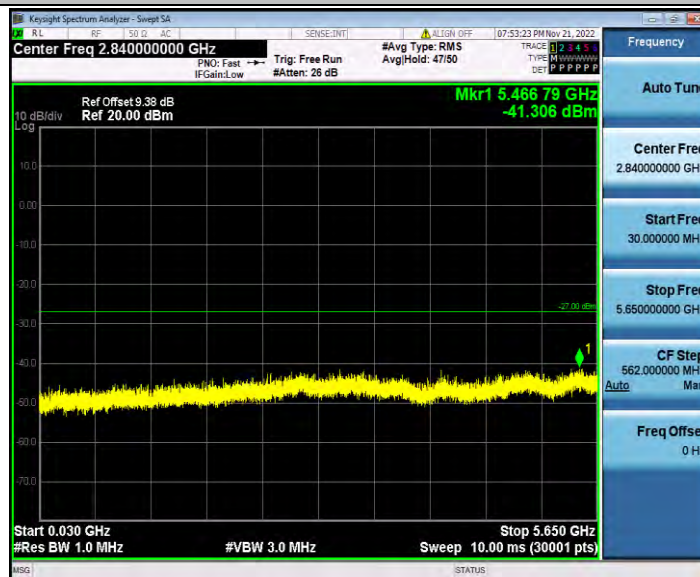
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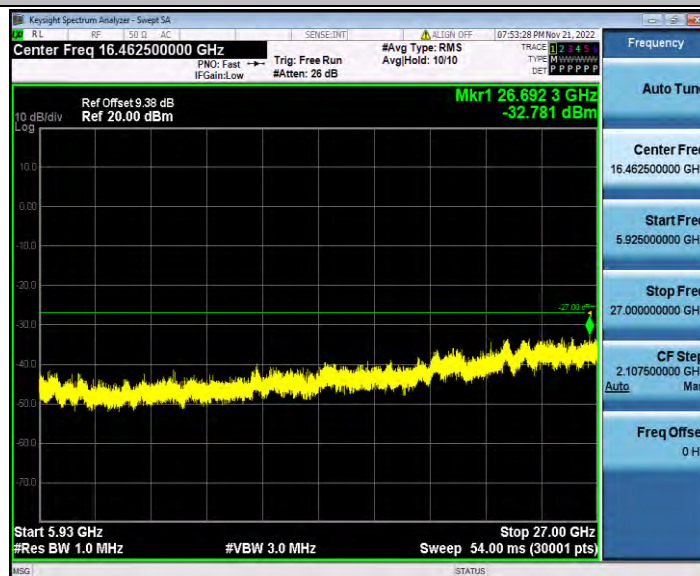
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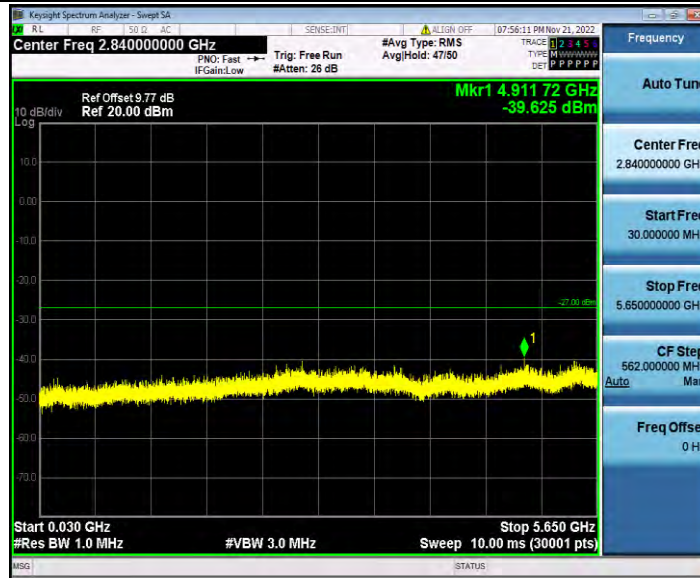
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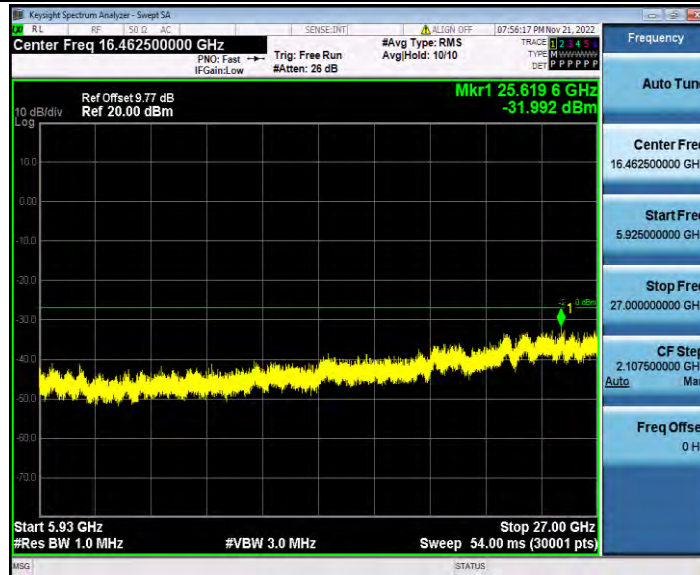
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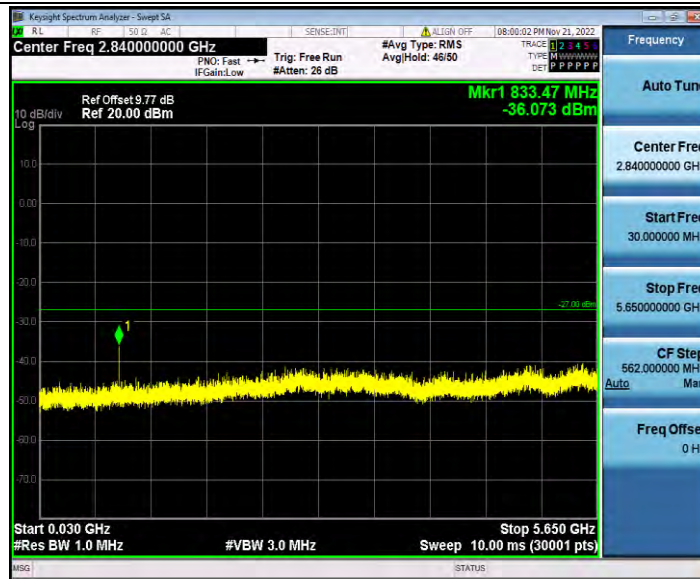
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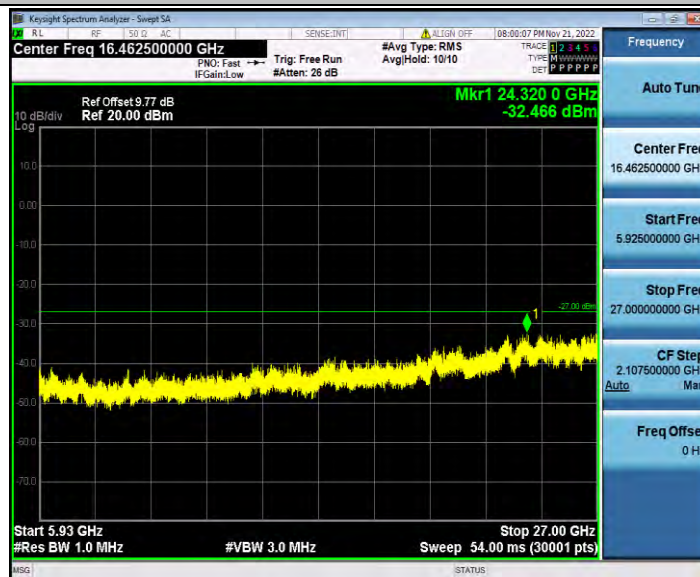
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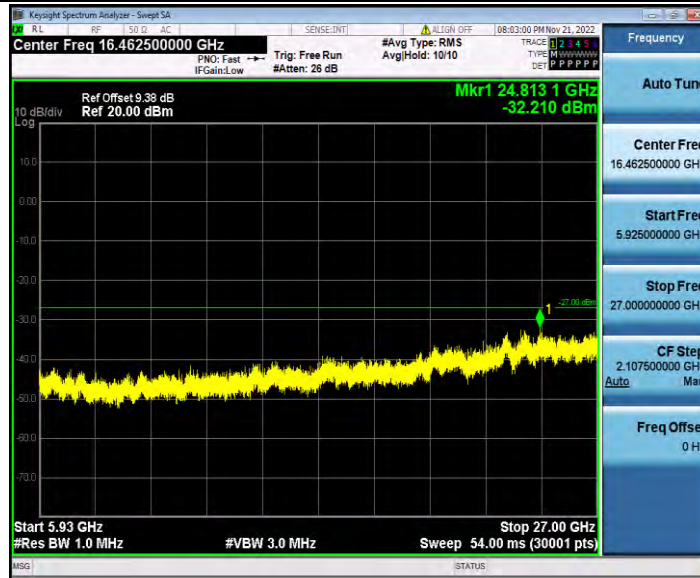
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11AC40SISO_Ant1_5755_30~5650



11AC40SISO_Ant1_5755_5925~40000



11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~40000

