

Appendix A: Emission Bandwidth

Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.360	5169.480	5190.840	---	PASS
		5200	21.400	5189.080	5210.480	---	PASS
		5240	20.880	5229.480	5250.360	---	PASS
		5745	21.080	5734.400	5755.480	---	PASS
		5785	21.000	5774.560	5795.560	---	PASS
		5825	20.720	5814.800	5835.520	---	PASS
11N20SISO	Ant1	5180	21.920	5169.040	5190.960	---	PASS
		5200	21.600	5188.880	5210.480	---	PASS
		5240	21.080	5229.600	5250.680	---	PASS
		5745	22.400	5734.000	5756.400	---	PASS
		5785	21.800	5774.080	5795.880	---	PASS
		5825	21.800	5814.480	5836.280	---	PASS
11N40SISO	Ant1	5190	42.000	5169.200	5211.200	---	PASS
		5230	41.840	5209.280	5251.120	---	PASS
		5755	41.760	5734.200	5775.960	---	PASS
		5795	41.360	5774.440	5815.800	---	PASS
11AC20SISO	Ant1	5180	22.240	5169.000	5191.240	---	PASS
		5200	21.200	5189.480	5210.680	---	PASS
		5240	21.400	5229.280	5250.680	---	PASS
		5745	21.360	5734.000	5755.360	---	PASS
		5785	21.280	5774.320	5795.600	---	PASS
		5825	21.920	5814.480	5836.400	---	PASS
11AC40SISO	Ant1	5190	41.360	5169.280	5210.640	---	PASS
		5230	41.920	5209.040	5250.960	---	PASS
		5755	41.600	5733.960	5775.560	---	PASS
		5795	40.800	5774.600	5815.400	---	PASS
11AC80SISO	Ant1	5210	81.120	5169.680	5250.800	---	PASS
		5775	82.240	5734.040	5816.280	---	PASS

Test Graphs



11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



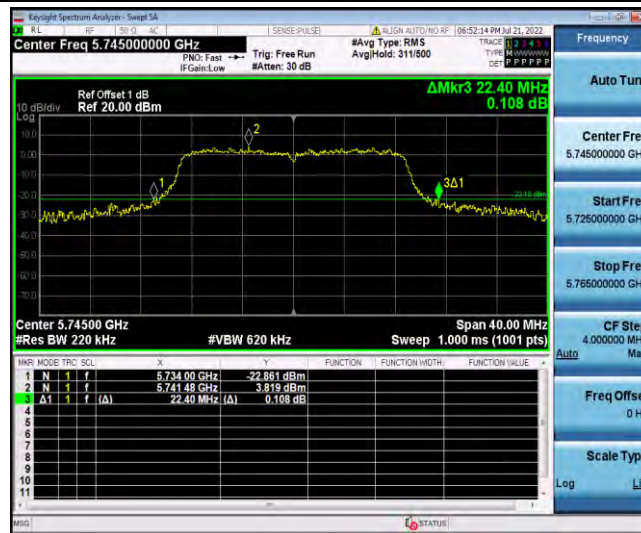
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



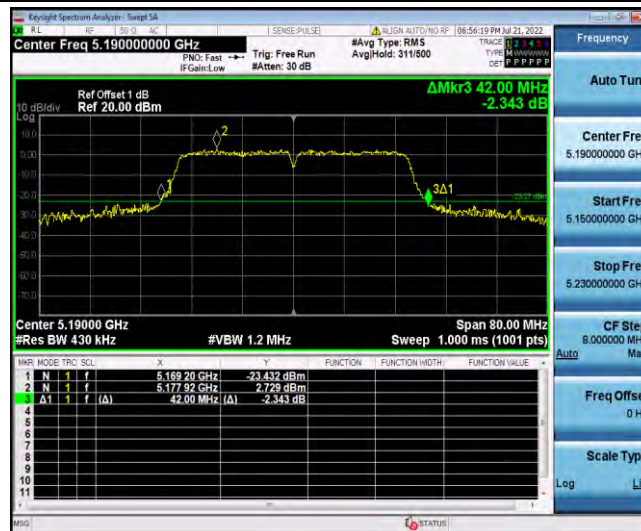
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



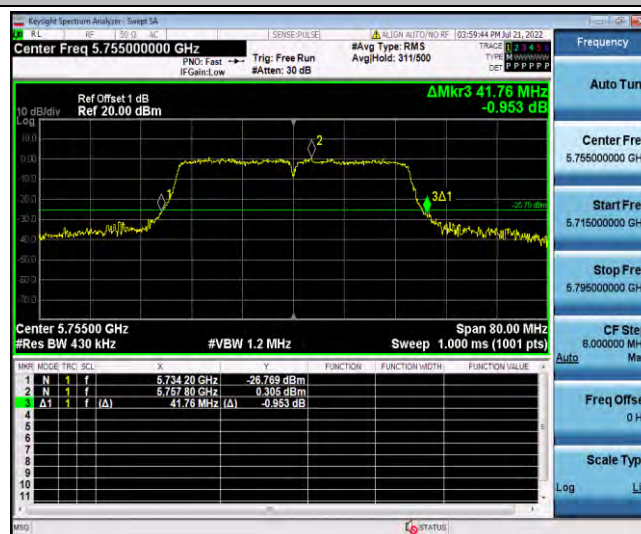
11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



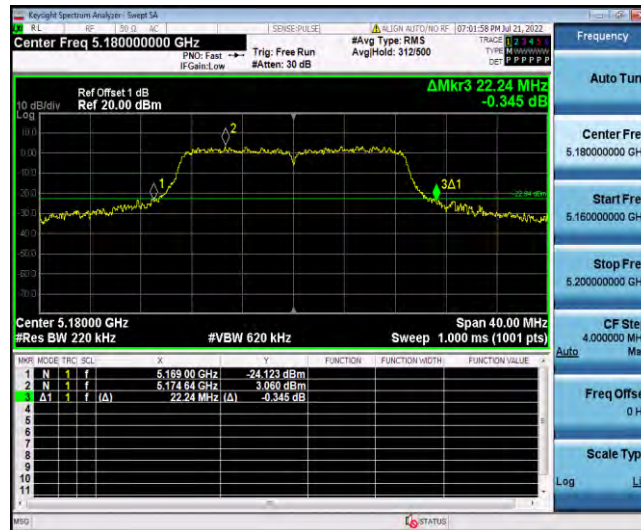
11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



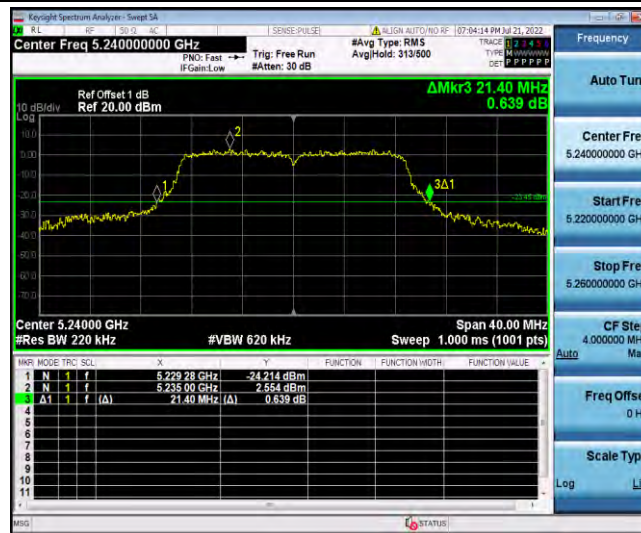
11N40SISO_Ant1_5795



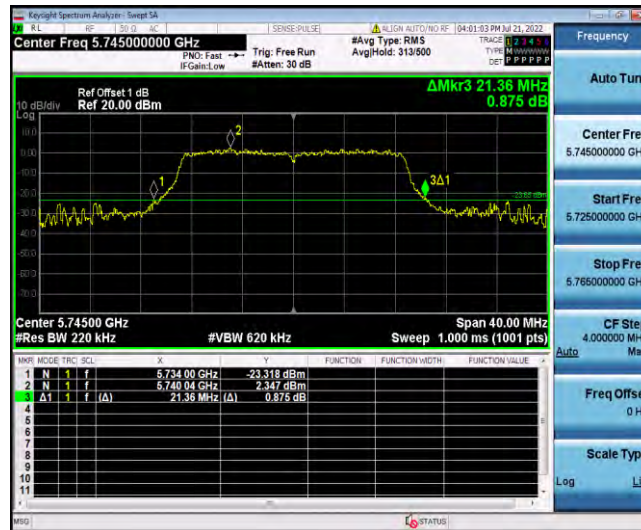
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



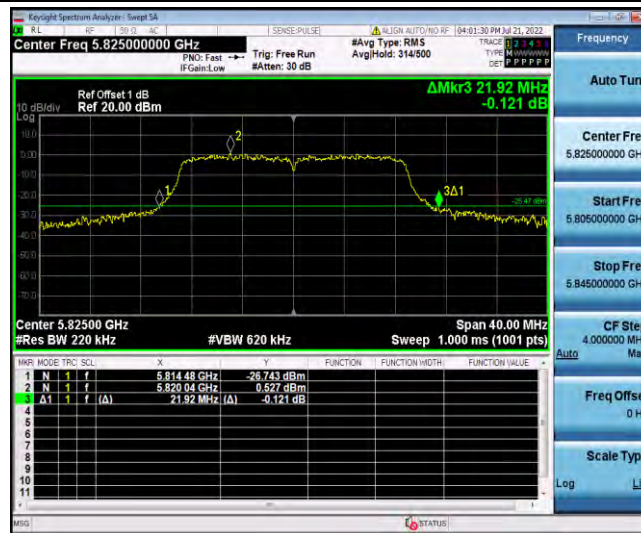
11AC20SISO_Ant1_5240



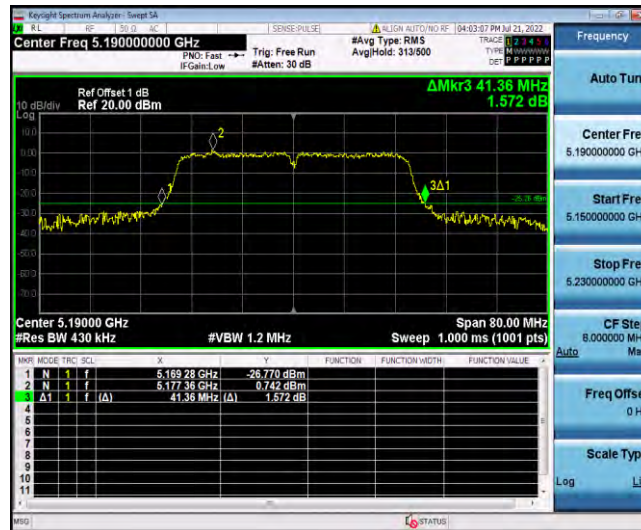
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



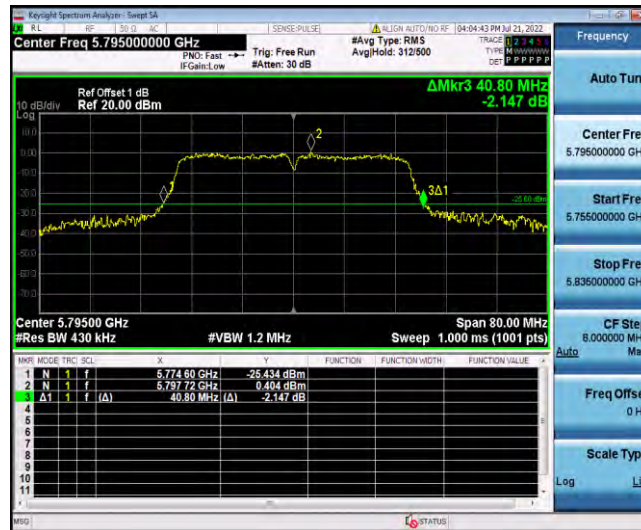
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



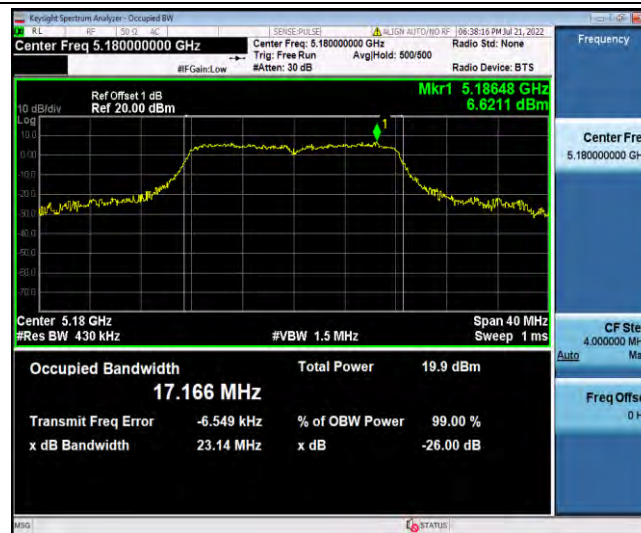
11AC80SISO_Ant1_5775

Appendix B: Occupied channel bandwidth

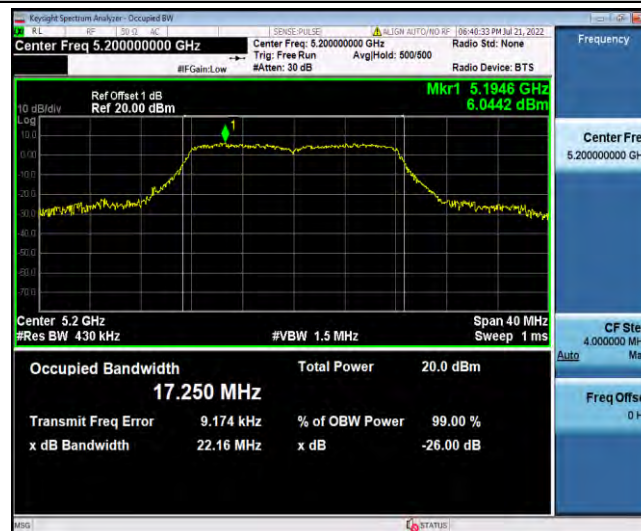
Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.166	5171.410	5188.576	---	PASS
		5200	17.250	5191.384	5208.634	---	PASS
		5240	17.197	5231.322	5248.519	---	PASS
		5745	17.228	5736.348	5753.576	---	PASS
		5785	17.178	5776.441	5793.619	---	PASS
		5825	17.267	5816.401	5833.668	---	PASS
11N20SISO	Ant1	5180	18.068	5170.954	5189.022	---	PASS
		5200	18.179	5190.895	5209.074	---	PASS
		5240	18.037	5230.980	5249.017	---	PASS
		5745	18.103	5735.966	5754.069	---	PASS
		5785	18.123	5775.929	5794.052	---	PASS
		5825	18.216	5815.923	5834.139	---	PASS
11N40SISO	Ant1	5190	36.753	5171.656	5208.409	---	PASS
		5230	36.560	5211.763	5248.323	---	PASS
		5755	36.628	5736.776	5773.404	---	PASS
		5795	36.732	5776.684	5813.416	---	PASS
11AC20SISO	Ant1	5180	18.146	5170.911	5189.057	---	PASS
		5200	18.118	5190.983	5209.101	---	PASS
		5240	18.073	5230.993	5249.066	---	PASS
		5745	18.266	5735.827	5754.093	---	PASS
		5785	18.130	5775.940	5794.070	---	PASS
		5825	18.249	5815.930	5834.179	---	PASS
11AC40SISO	Ant1	5190	36.749	5171.558	5208.307	---	PASS
		5230	36.756	5211.607	5248.363	---	PASS
		5755	36.890	5736.695	5773.585	---	PASS
		5795	36.785	5776.628	5813.413	---	PASS
11AC80SISO	Ant1	5210	75.486	5172.396	5247.882	---	PASS
		5775	76.001	5737.036	5813.037	---	PASS

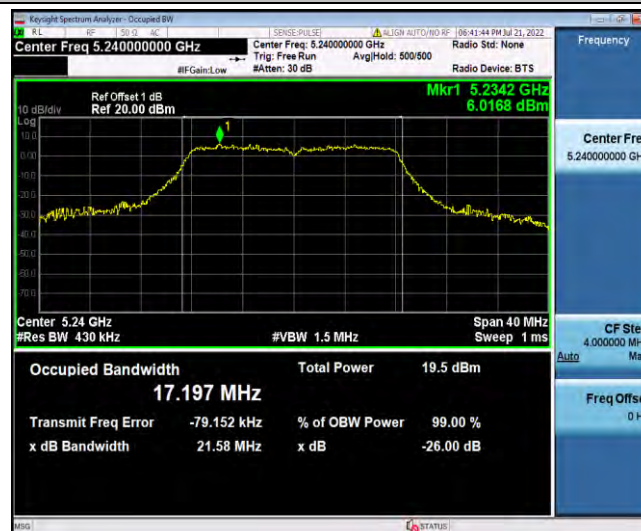
Test Graphs



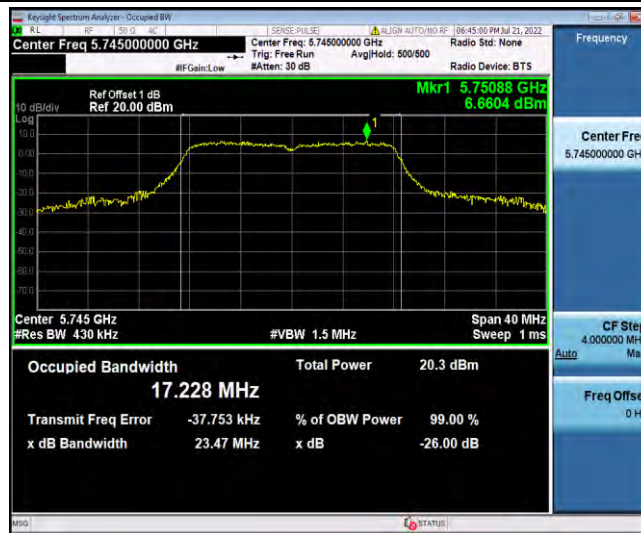
11A_Ant1_5180



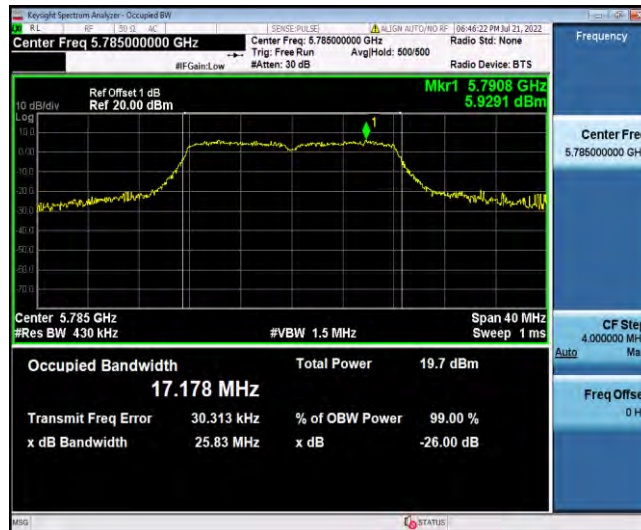
11A_Ant1_5200



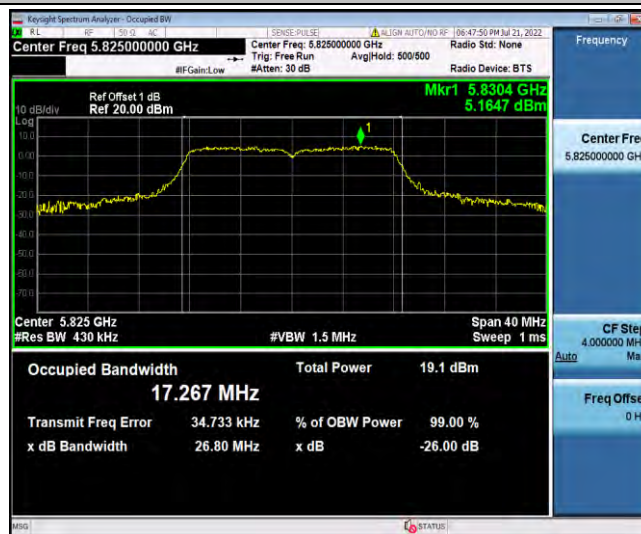
11A_Ant1_5240



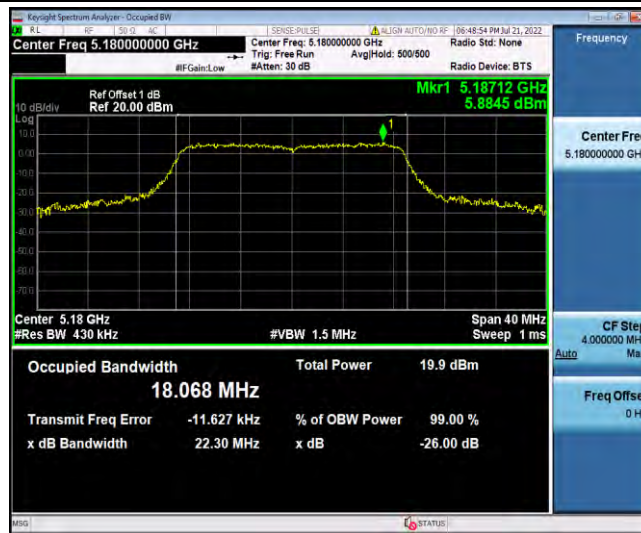
11A_Ant1_5745



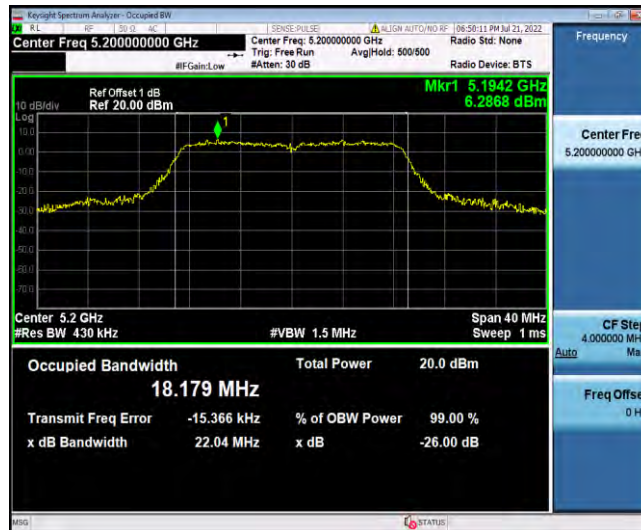
11A_Ant1_5785



11A_Ant1_5825



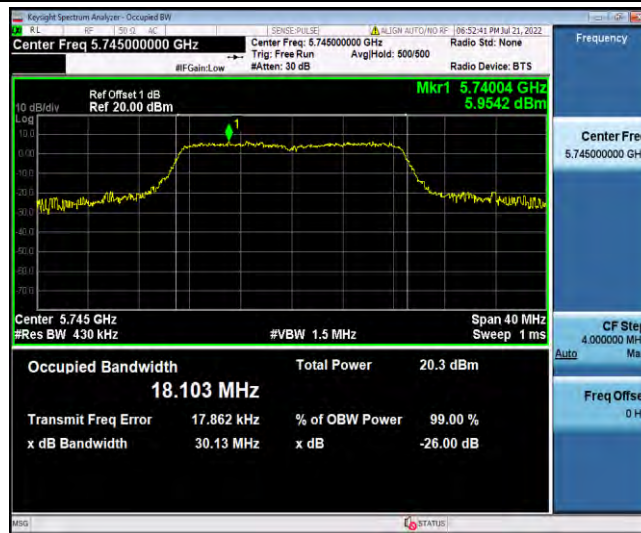
11N20SISO_Ant1_5180



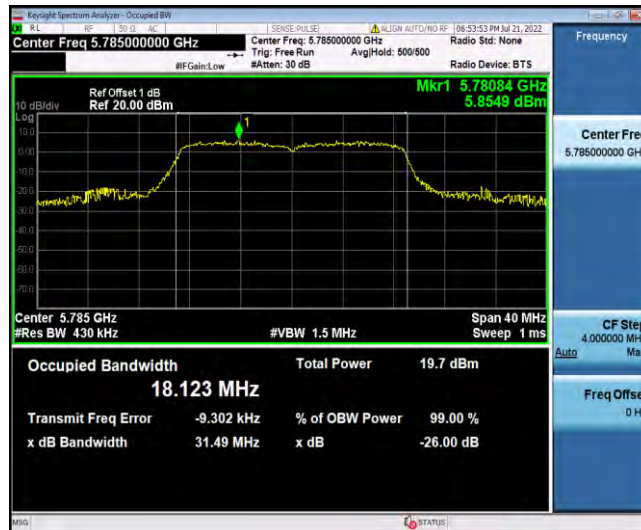
11N20SISO_Ant1_5200



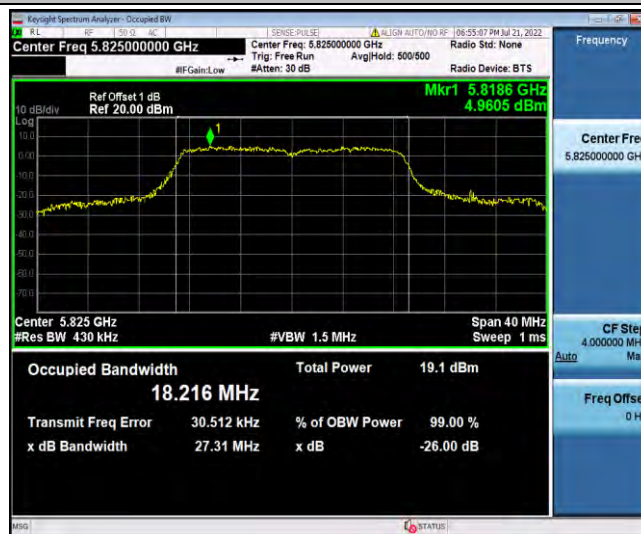
11N20SISO_Ant1_5240



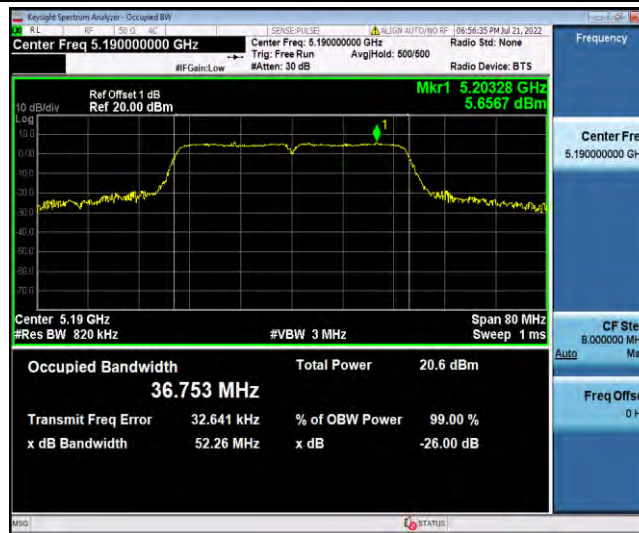
11N20SISO_Ant1_5745



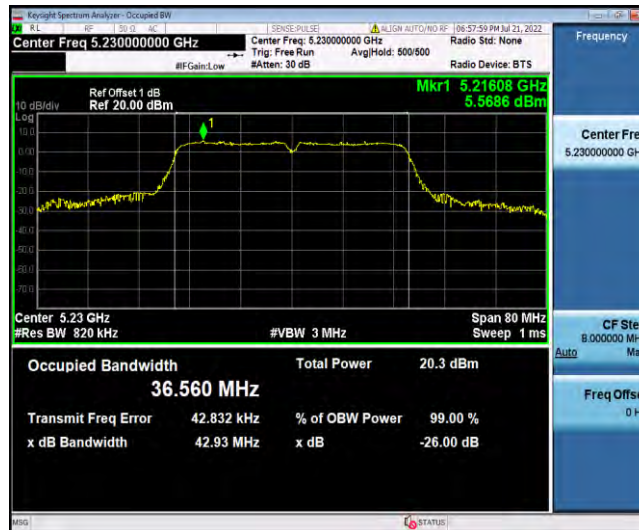
11N20SISO_Ant1_5785



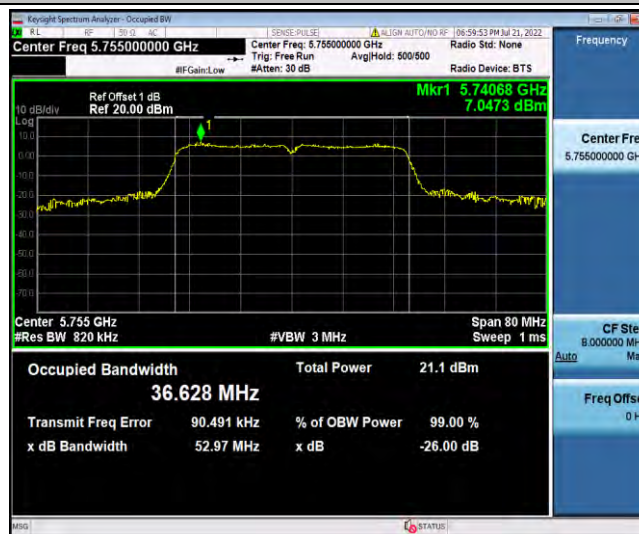
11N20SISO_Ant1_5825



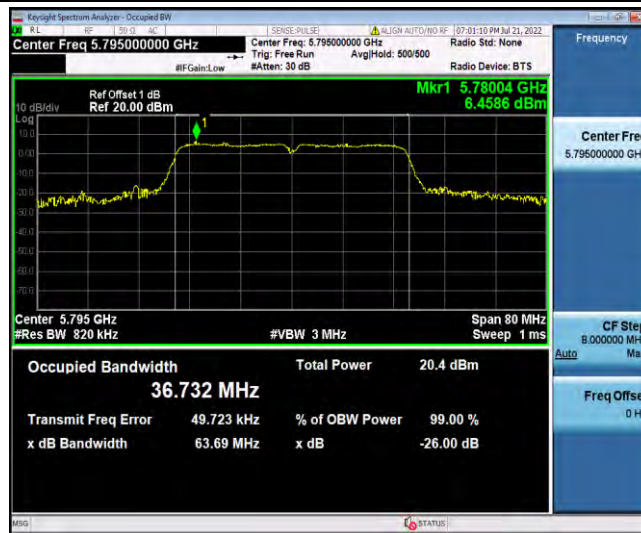
11N40SISO_Ant1_5190



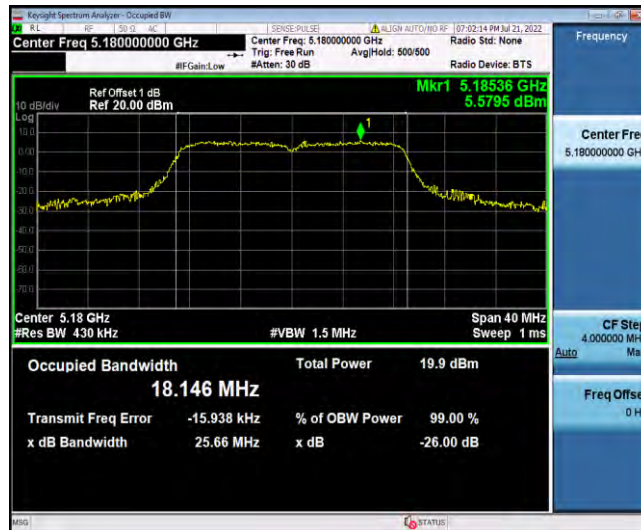
11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



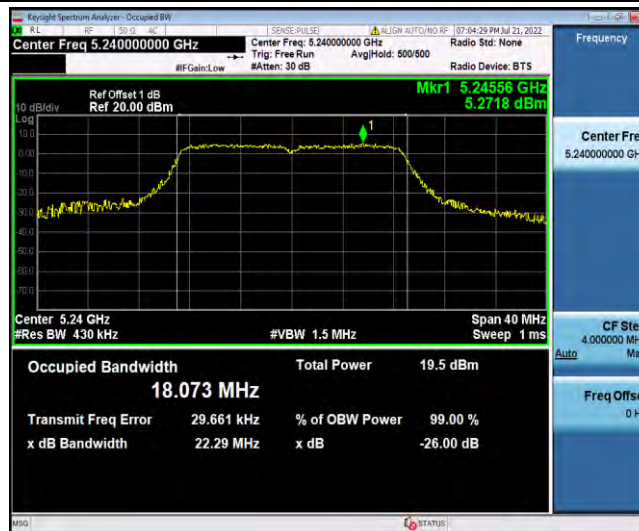
11N40SISO_Ant1_5795



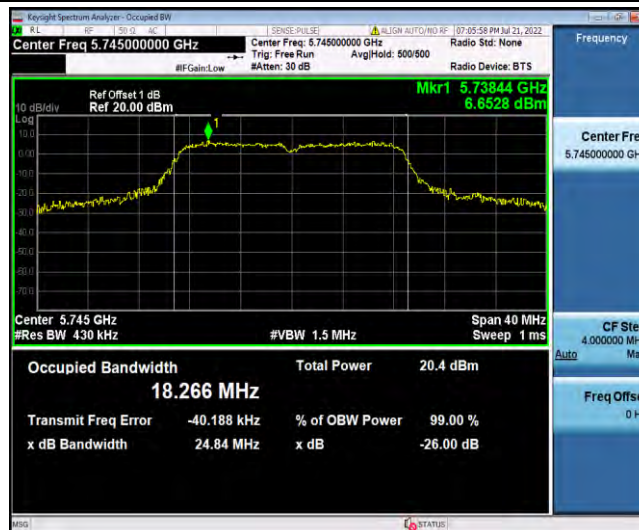
11AC20SISO_Ant1_5180



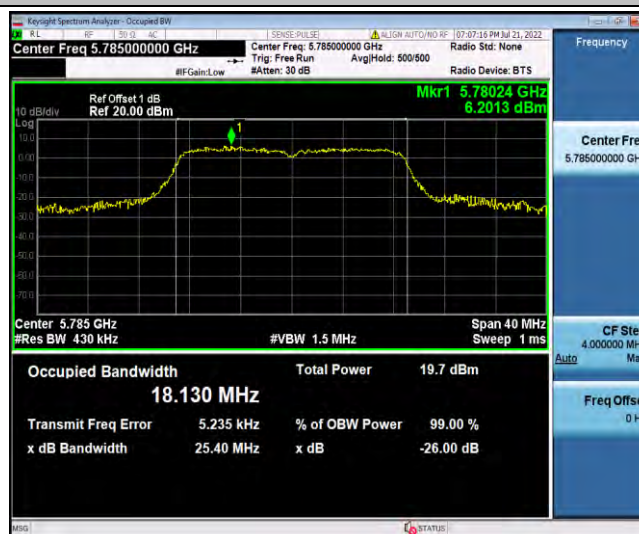
11AC20SISO_Ant1_5200



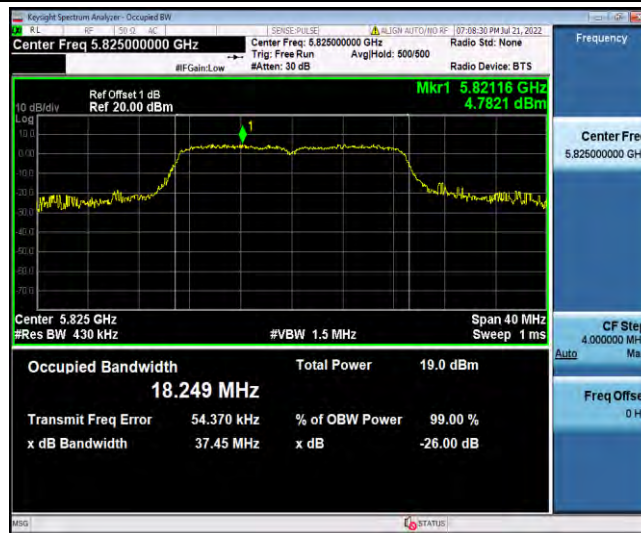
11AC20SISO_Ant1_5240



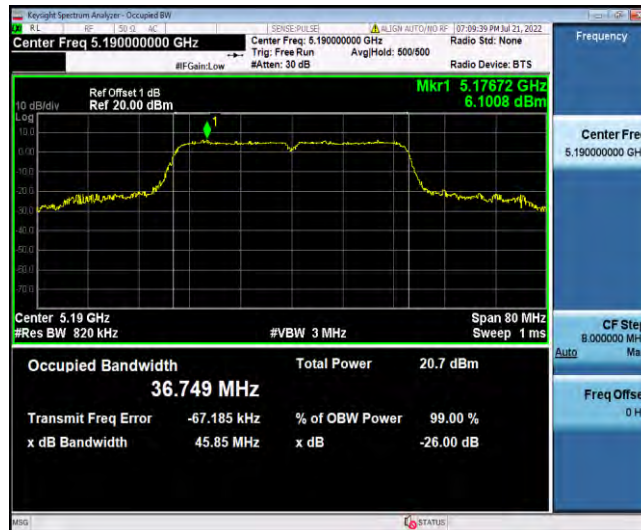
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



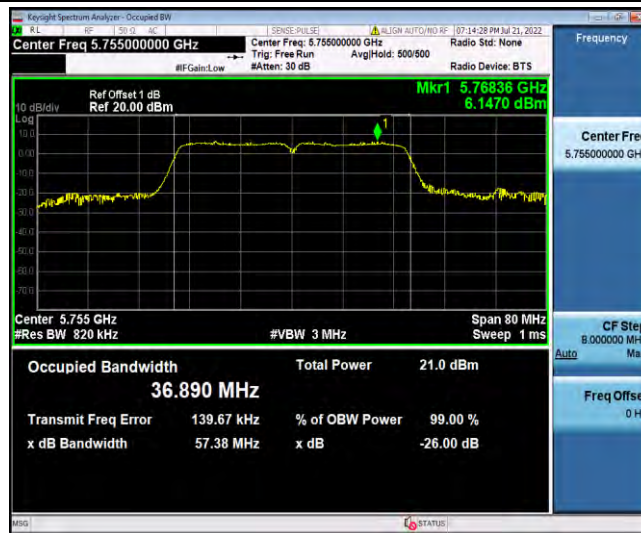
11AC20SISO_Ant1_5825



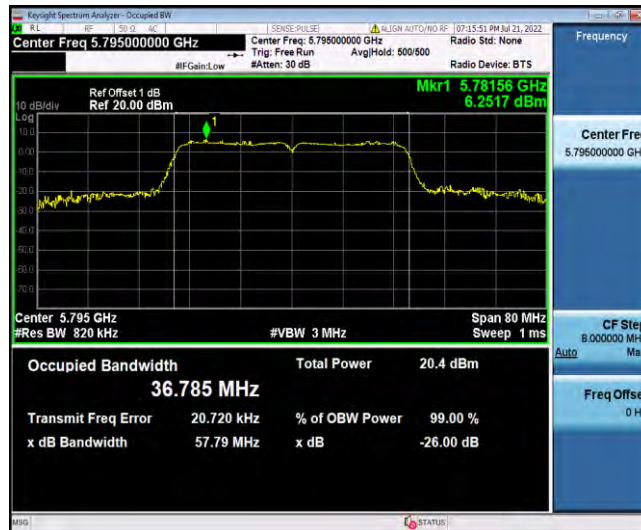
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



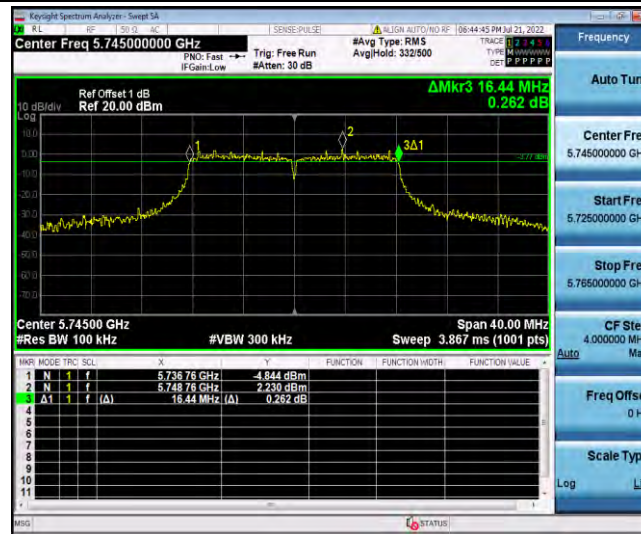
11AC80SISO_Ant1_5775

Appendix C: Min emission bandwidth

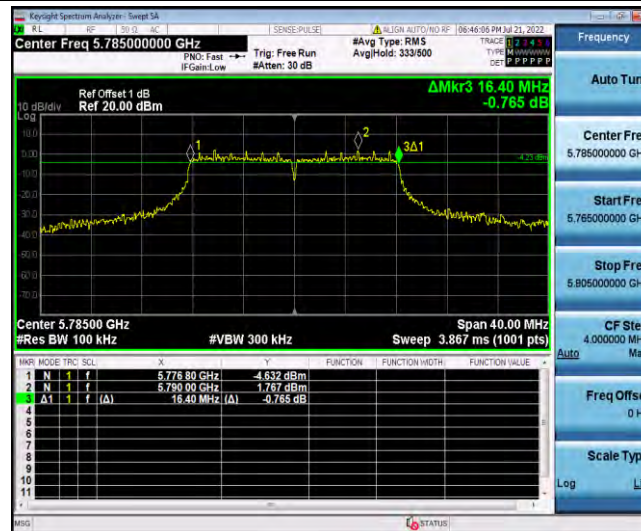
Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.440	5736.760	5753.200	0.5	PASS
		5785	16.400	5776.800	5793.200	0.5	PASS
		5825	16.400	5816.800	5833.200	0.5	PASS
11N20SISO	Ant1	5745	16.960	5736.440	5753.400	0.5	PASS
		5785	17.040	5776.440	5793.480	0.5	PASS
		5825	17.120	5816.440	5833.560	0.5	PASS
11N40SISO	Ant1	5755	35.520	5737.320	5772.840	0.5	PASS
		5795	35.680	5777.000	5812.680	0.5	PASS
11AC20SISO	Ant1	5745	17.400	5736.160	5753.560	0.5	PASS
		5785	17.120	5776.440	5793.560	0.5	PASS
		5825	17.360	5816.200	5833.560	0.5	PASS
11AC40SISO	Ant1	5755	35.360	5737.320	5772.680	0.5	PASS
		5795	35.360	5777.320	5812.680	0.5	PASS
11AC80SISO	Ant1	5775	75.520	5737.240	5812.760	0.5	PASS

Test Graphs



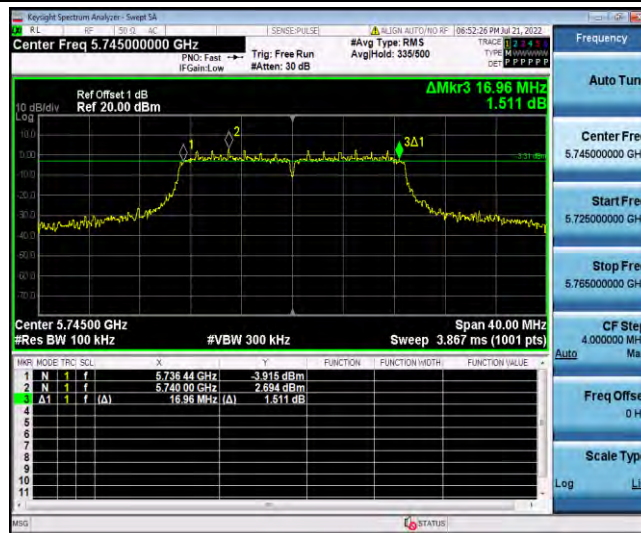
11A_Ant1_5745



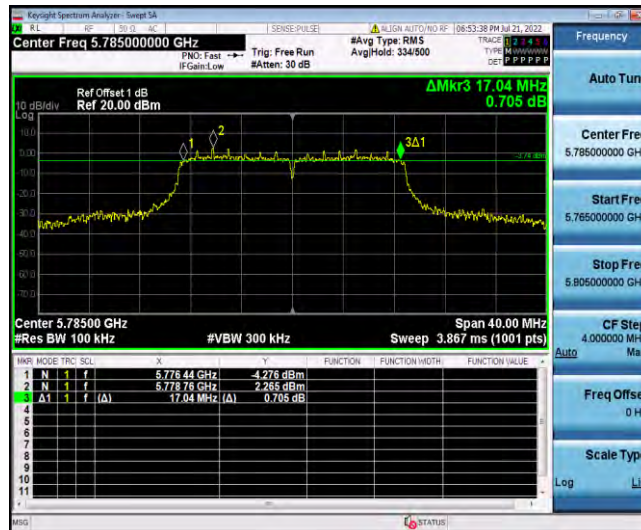
11A_Ant1_5785



11A_Ant1_5825



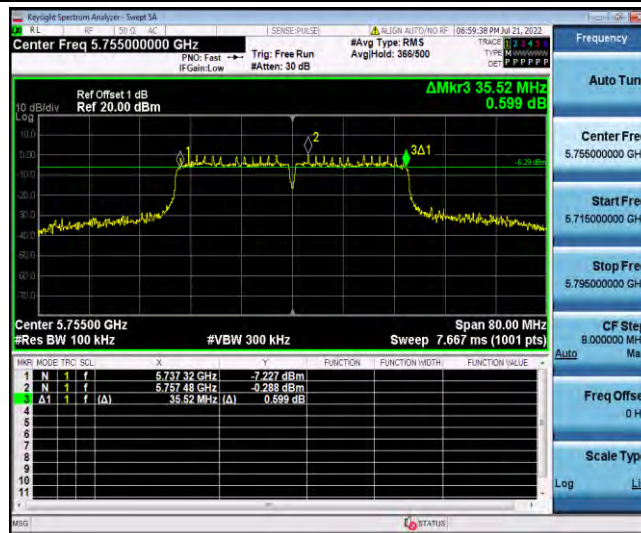
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



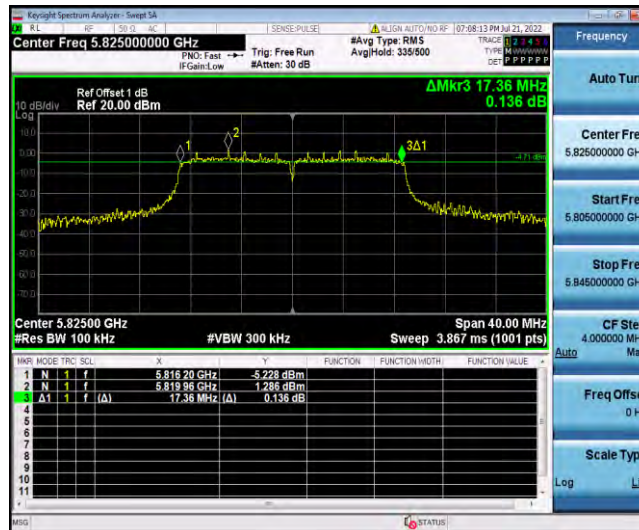
11N40SISO_Ant1_5795



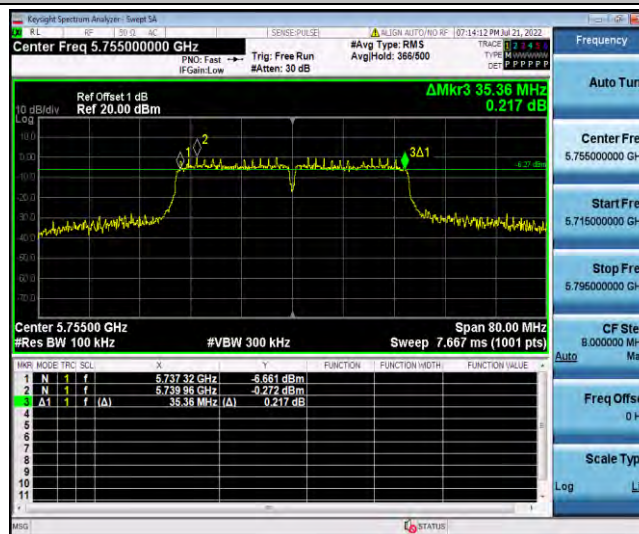
11AC20SISO_Ant1_5745



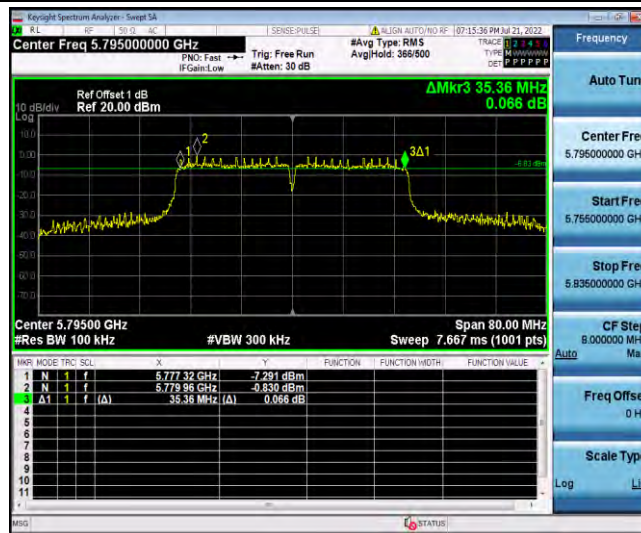
11AC20SISO_Ant1_5785



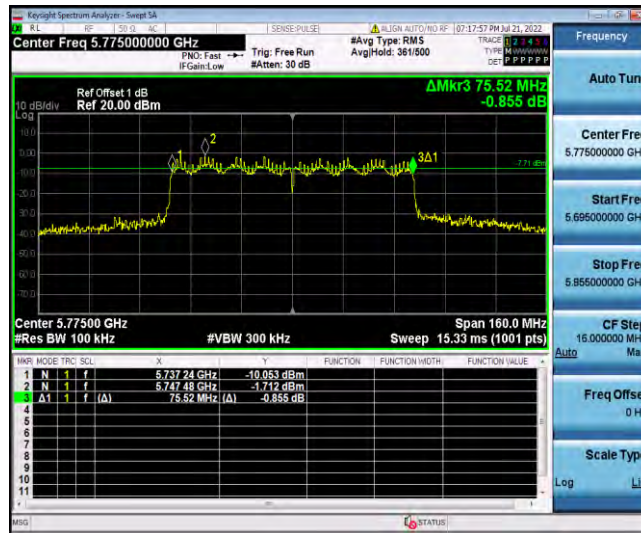
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

Appendix D: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	13.28	≤23.98	PASS
		5200	13.18	≤23.98	PASS
		5240	12.79	≤23.98	PASS
		5745	13.66	≤30	PASS
		5785	13.07	≤30	PASS
		5825	12.40	≤30	PASS
11N20SISO	Ant1	5180	13.26	≤23.98	PASS
		5200	13.28	≤23.98	PASS
		5240	12.74	≤23.98	PASS
		5745	13.55	≤30	PASS
		5785	13.02	≤30	PASS
		5825	12.42	≤30	PASS
11N40SISO	Ant1	5190	13.60	≤23.98	PASS
		5230	13.25	≤23.98	PASS
		5755	13.90	≤30	PASS
		5795	13.27	≤30	PASS
11AC20SISO	Ant1	5180	13.06	≤23.98	PASS
		5200	13.23	≤23.98	PASS
		5240	12.70	≤23.98	PASS
		5745	13.60	≤30	PASS
		5785	13.06	≤30	PASS
		5825	12.44	≤30	PASS
11AC40SISO	Ant1	5190	13.56	≤23.98	PASS
		5230	13.41	≤23.98	PASS
		5755	13.91	≤30	PASS
		5795	13.40	≤30	PASS
11AC80SISO	Ant1	5210	13.74	≤23.98	PASS
		5775	14.30	≤30	PASS

Appendix E: Maximum power spectral density

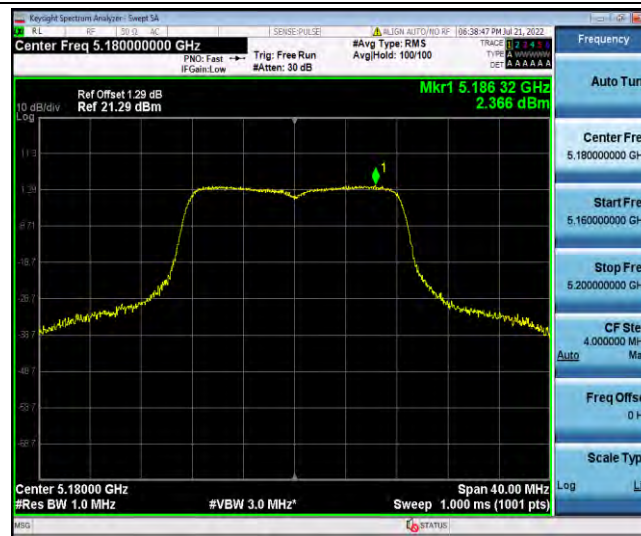
Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	2.37	≤11	PASS
		5200	2.31	≤11	PASS
		5240	2.01	≤11	PASS
		5745	0.01	≤30	PASS
		5785	-0.88	≤30	PASS
		5825	-1.46	≤30	PASS
11N20SISO	Ant1	5180	2.13	≤11	PASS
		5200	2.05	≤11	PASS
		5240	1.58	≤11	PASS
		5745	-0.54	≤30	PASS
		5785	-0.78	≤30	PASS
		5825	-1.42	≤30	PASS
11N40SISO	Ant1	5190	-0.38	≤11	PASS
		5230	-0.85	≤11	PASS
		5755	-3.15	≤30	PASS
		5795	-3.72	≤30	PASS
11AC20SISO	Ant1	5180	1.95	≤11	PASS
		5200	2.13	≤11	PASS
		5240	1.66	≤11	PASS
		5745	-0.34	≤30	PASS
		5785	-0.88	≤30	PASS
		5825	-1.35	≤30	PASS
11AC40SISO	Ant1	5190	-0.49	≤11	PASS
		5230	-0.39	≤11	PASS
		5755	-2.98	≤30	PASS
		5795	-3.65	≤30	PASS
11AC80SISO	Ant1	5210	-2.12	≤11	PASS
		5775	-4.57	≤30	PASS

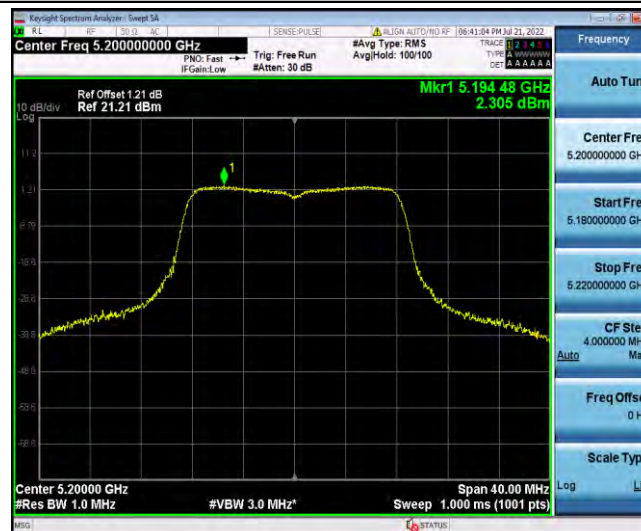
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs



11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



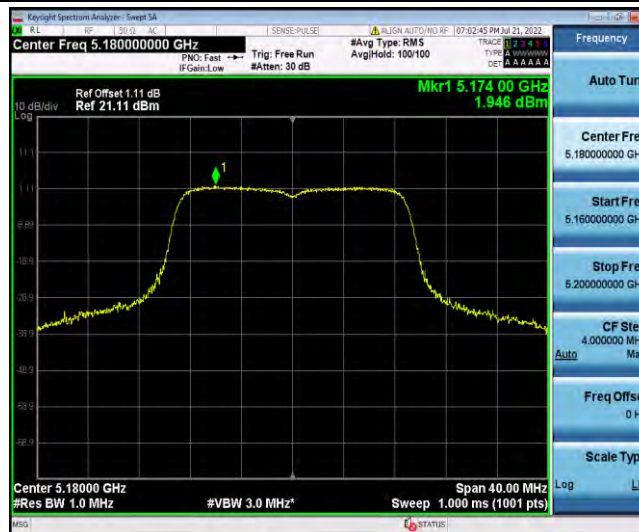
11N40SISO_Ant1_5230



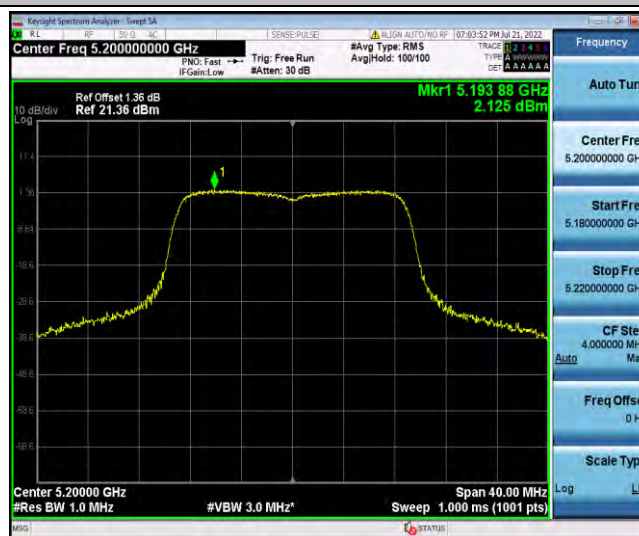
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775

Appendix F: Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-13200	-2.548263	20	PASS
			LV	NT	1200	0.23166	20	PASS
			HV	NT	4200	0.810811	20	PASS
		5745	NV	NT	2100	0.365535	20	PASS
			LV	NT	3600	0.626632	20	PASS
			HV	NT	-11700	-2.036554	20	PASS

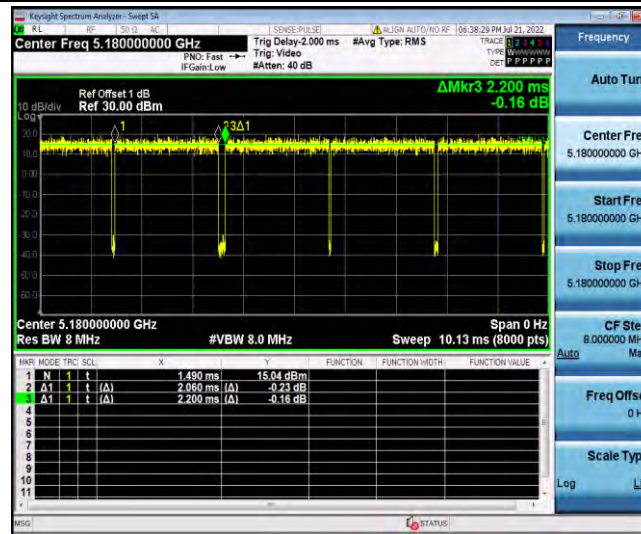
Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	1800	0.34749	20	PASS
			NV	-20	300	0.057915	20	PASS
			NV	-10	-300	-0.057915	20	PASS
			NV	0	-300	-0.057915	20	PASS
			NV	10	-600	-0.11583	20	PASS
			NV	20	-300	-0.057915	20	PASS
			NV	30	-600	-0.11583	20	PASS
			NV	40	-300	-0.057915	20	PASS
			NV	50	-300	-0.057915	20	PASS
		5745	NV	-30	-15900	-2.767624	20	PASS
			NV	-20	-17400	-3.028721	20	PASS
			NV	-10	-18000	-3.133159	20	PASS
			NV	0	-18300	-3.185379	20	PASS
			NV	10	-18600	-3.237598	20	PASS
			NV	20	-18600	-3.237598	20	PASS
			NV	30	-18600	-3.237598	20	PASS
			NV	40	-18600	-3.237598	20	PASS
			NV	50	-18900	-3.289817	20	PASS

Appendix G:Duty Cycle

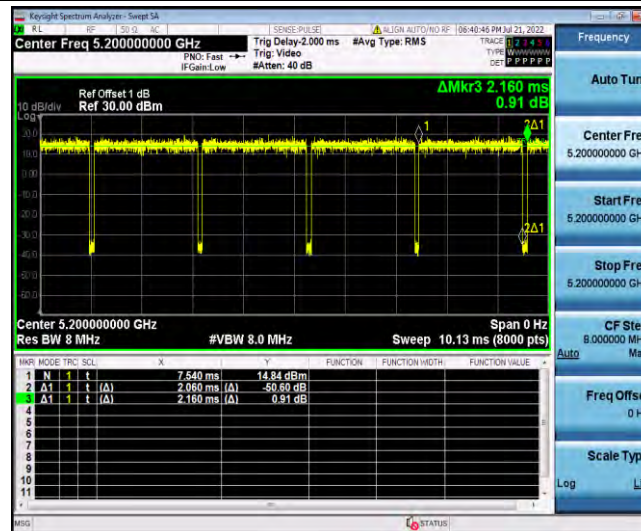
Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5180	2.06	2.20	93.64	---	PASS
		5200	2.06	2.16	95.37	---	PASS
		5240	2.06	2.24	91.96	---	PASS
		5745	2.07	2.22	93.24	---	PASS
		5785	2.06	2.20	93.64	---	PASS
		5825	2.07	2.20	94.09	---	PASS
11N20SISO	Ant1	5180	1.92	2.08	92.31	---	PASS
		5200	1.92	2.08	92.31	---	PASS
		5240	1.92	2.07	92.75	---	PASS
		5745	1.92	2.05	93.66	---	PASS
		5785	1.92	2.06	93.20	---	PASS
		5825	1.92	2.09	91.87	---	PASS
11N40SISO	Ant1	5190	0.95	1.11	85.59	---	PASS
		5230	0.95	1.09	87.16	---	PASS
		5755	0.95	1.09	87.16	---	PASS
		5795	0.95	1.11	85.59	---	PASS
11AC20SISO	Ant1	5180	1.93	1.98	97.47	---	PASS
		5200	1.94	2.11	91.94	---	PASS
		5240	1.94	2.07	93.72	---	PASS
		5745	1.93	2.08	92.79	---	PASS
		5785	1.93	2.10	91.90	---	PASS
		5825	1.93	2.09	92.34	---	PASS
11AC40SISO	Ant1	5190	0.95	1.09	87.16	---	PASS
		5230	0.95	1.11	85.59	---	PASS
		5755	0.95	1.11	85.59	---	PASS
		5795	0.95	1.13	84.07	---	PASS
11AC80SISO	Ant1	5210	0.46	0.63	73.02	---	PASS
		5775	0.46	0.63	73.02	---	PASS

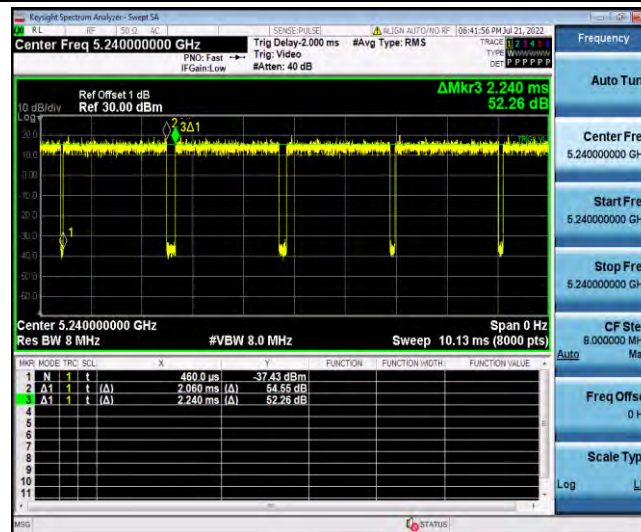
Test Graphs



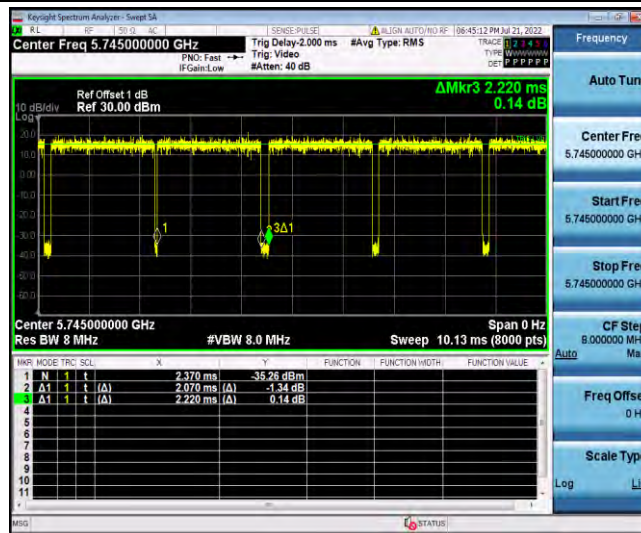
11A_Ant1_5180



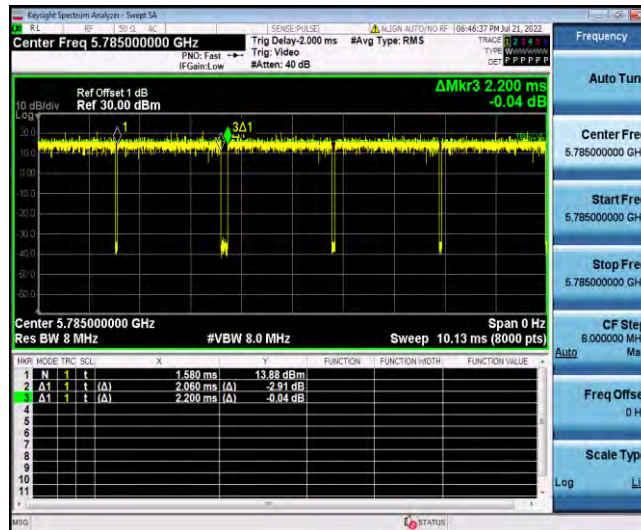
11A_Ant1_5200



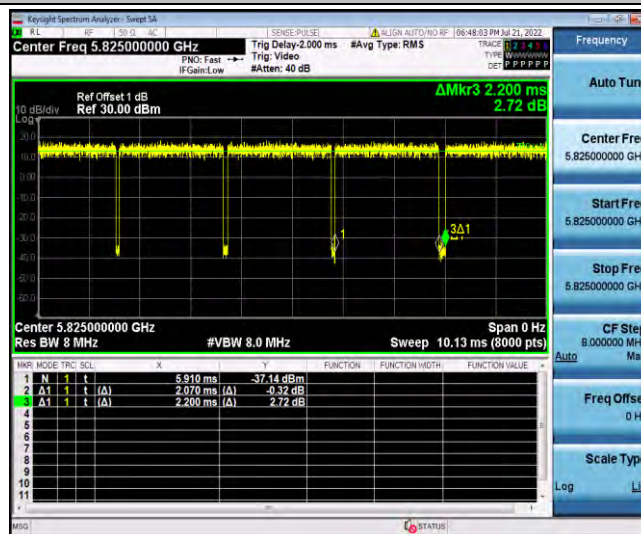
11A_Ant1_5240



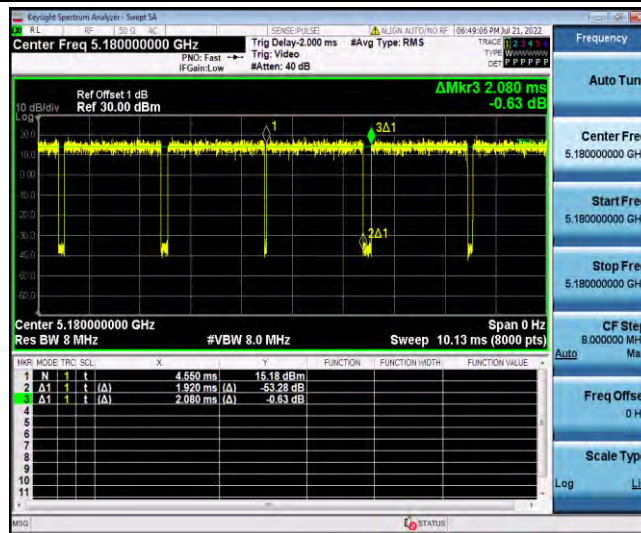
11A_Ant1_5745



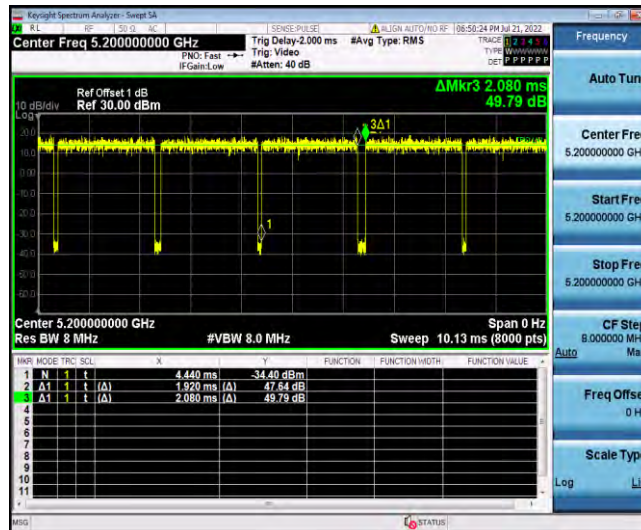
11A_Ant1_5785



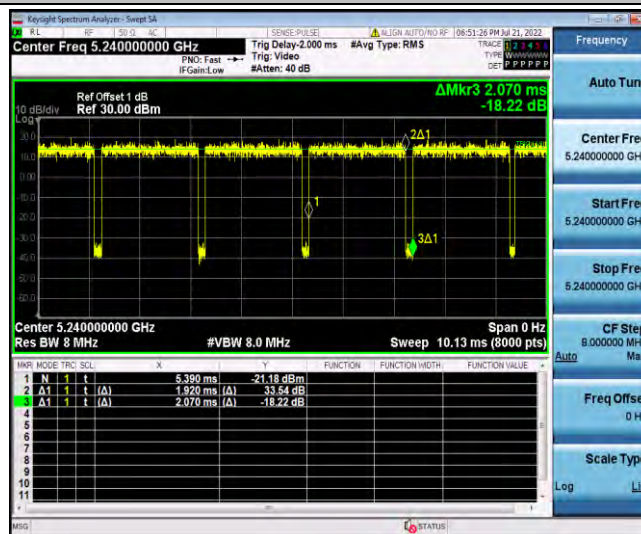
11A_Ant1_5825



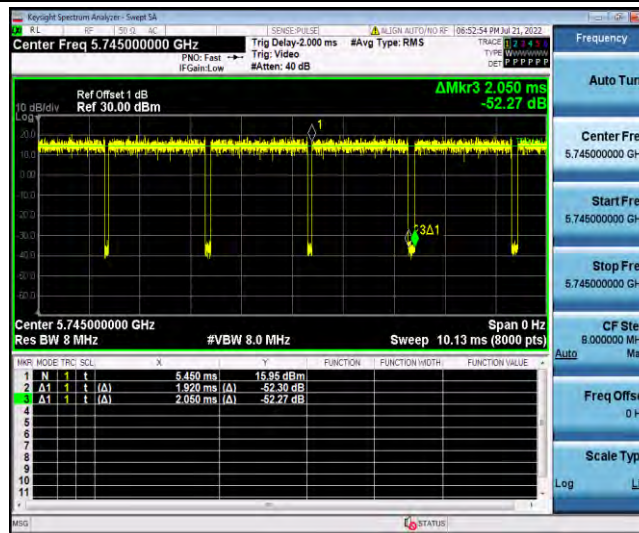
11N20SISO_Ant1_5180



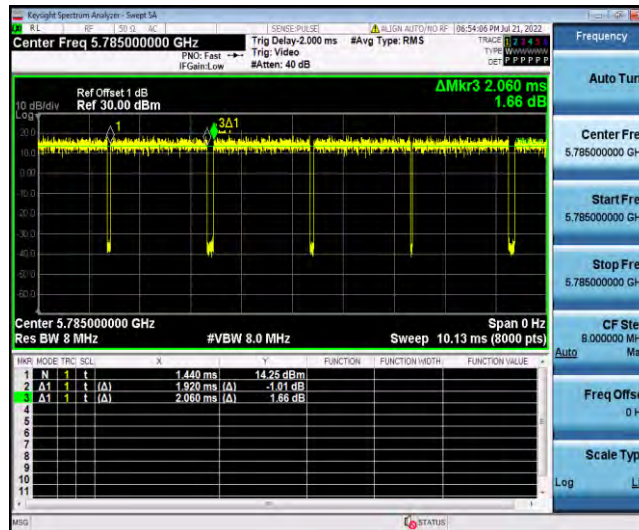
11N20SISO_Ant1_5200



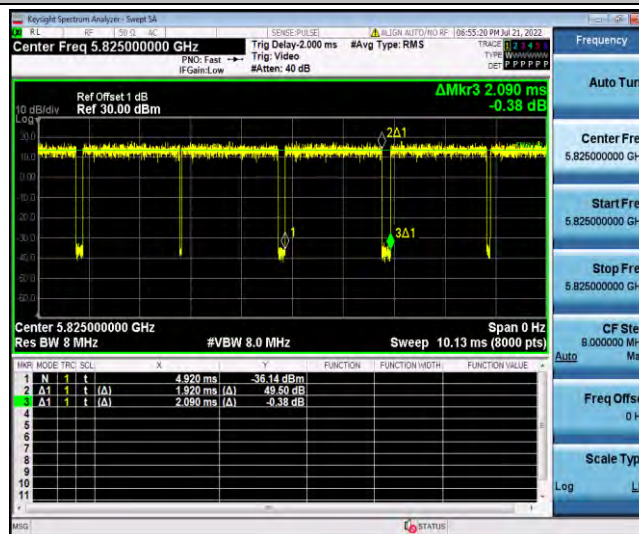
11N20SISO_Ant1_5240



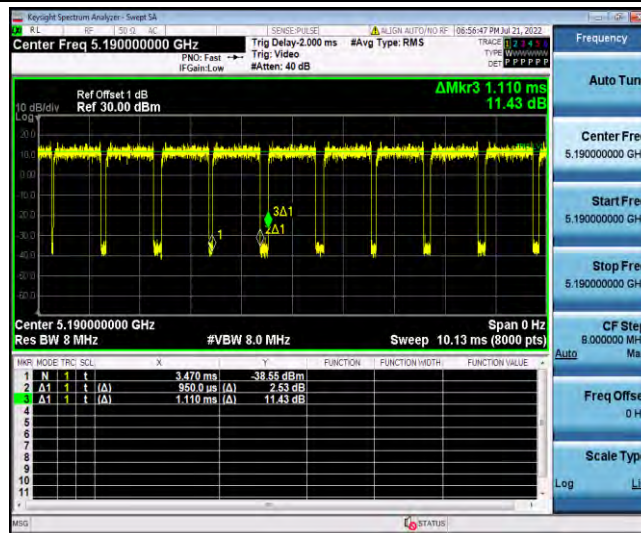
11N20SISO_Ant1_5745



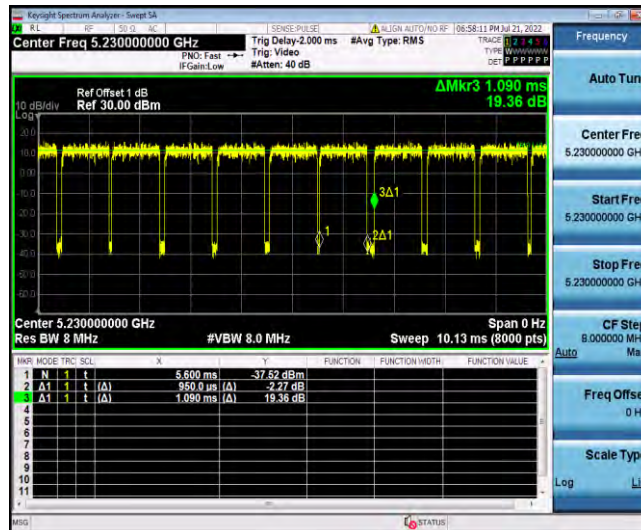
11N20SISO_Ant1_5785



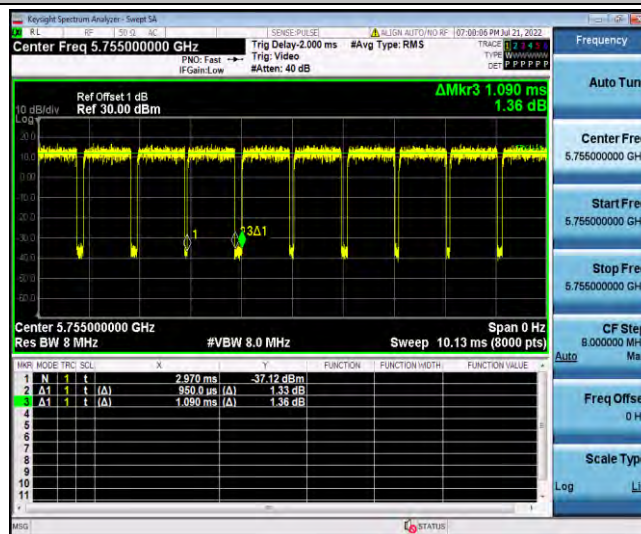
11N20SISO_Ant1_5825



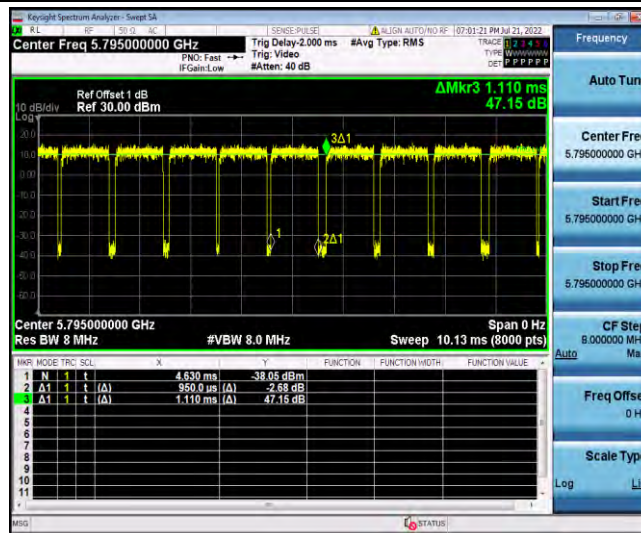
11N40SISO_Ant1_5190



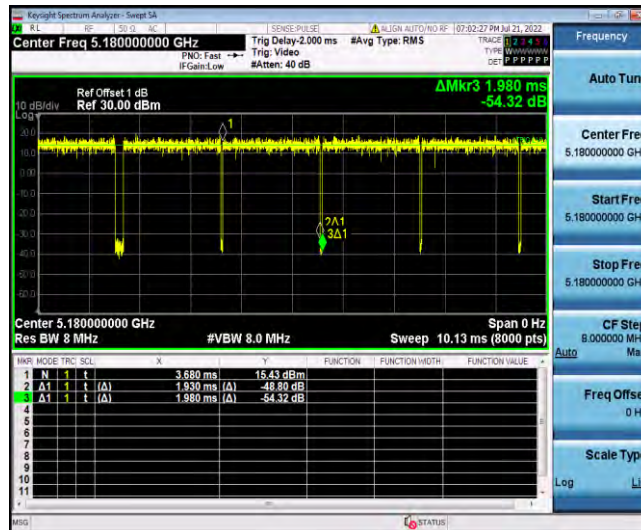
11N40SISO_Ant1_5230



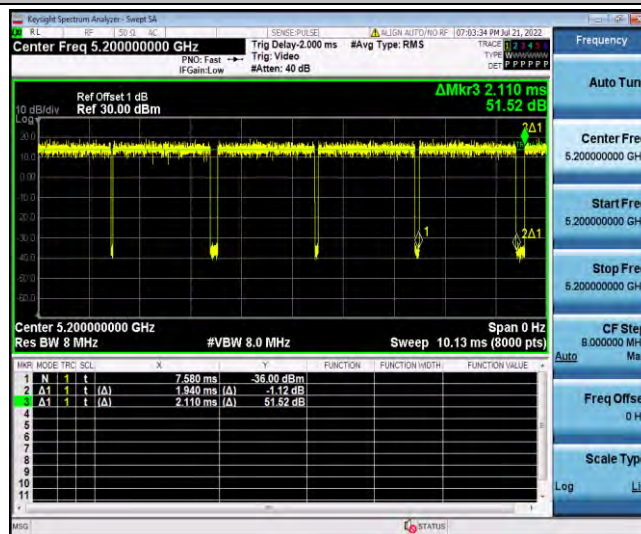
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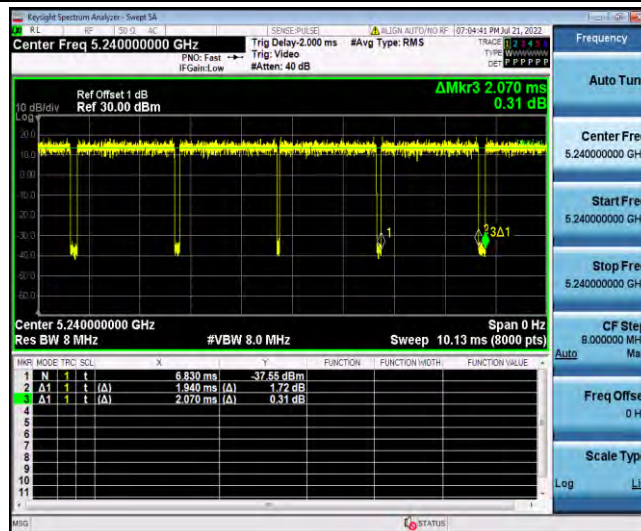
11N40SISO_Ant1_5795



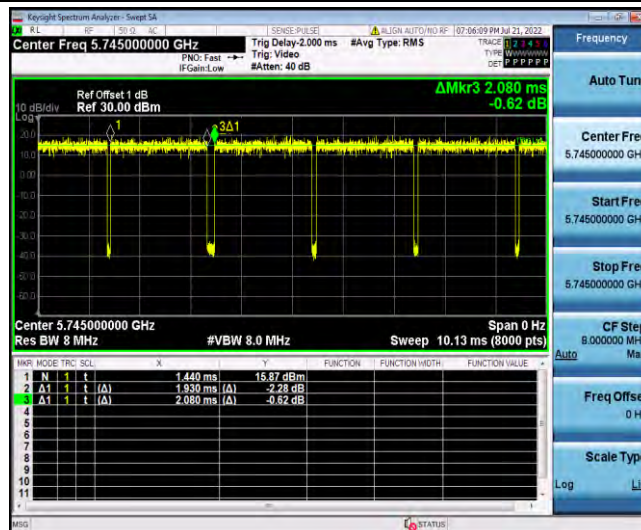
11AC20SISO_Ant1_5180



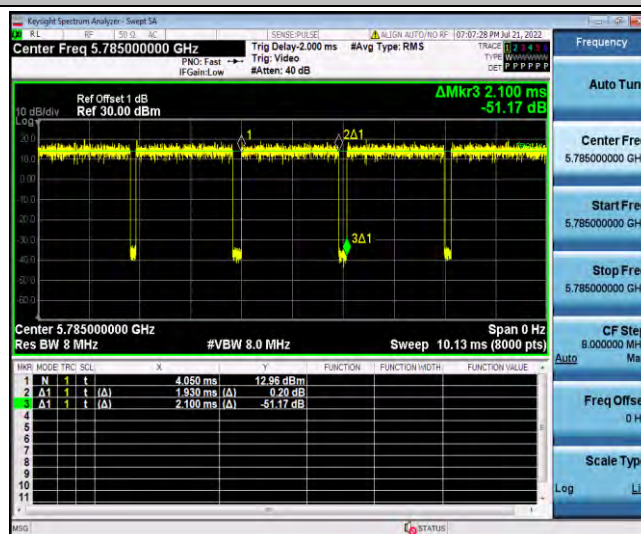
11AC20SISO_Ant1_5200



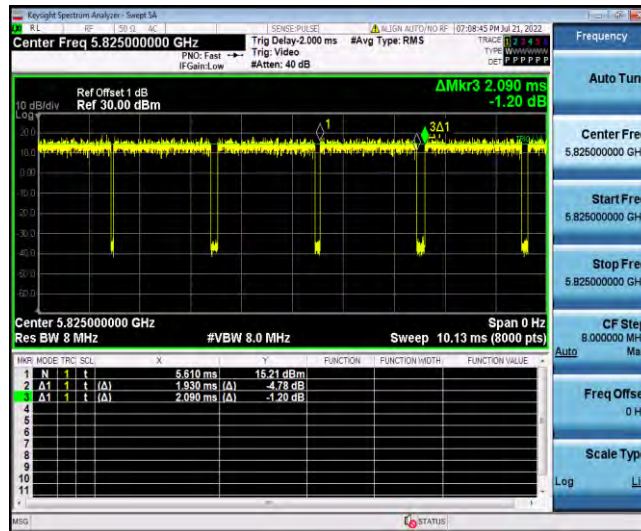
11AC20SISO_Ant1_5240



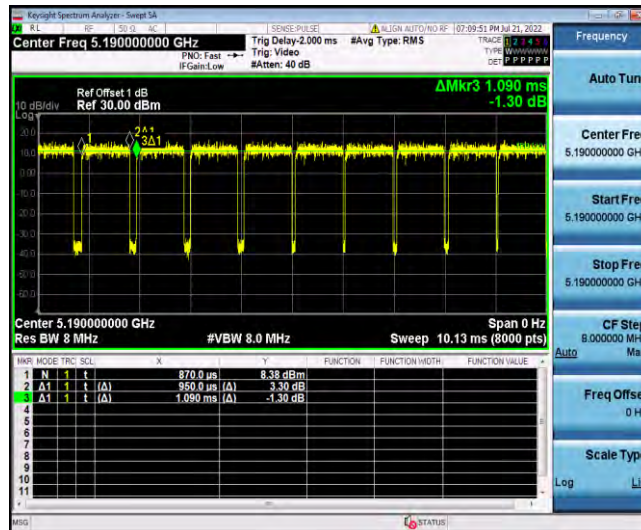
11AC20SISO_Ant1_5745



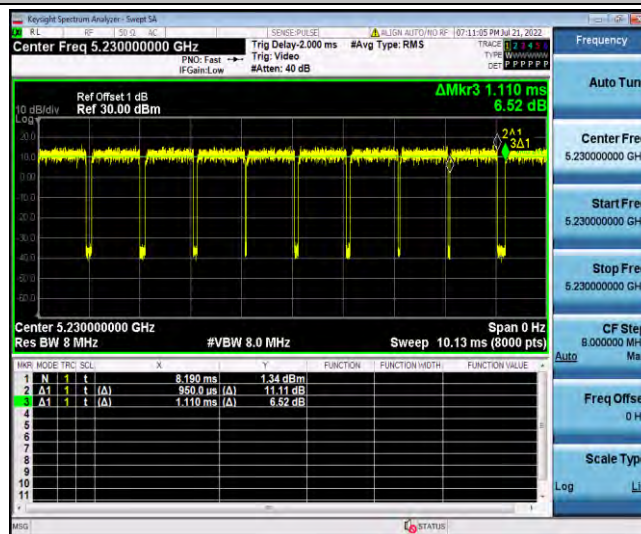
11AC20SISO_Ant1_5785



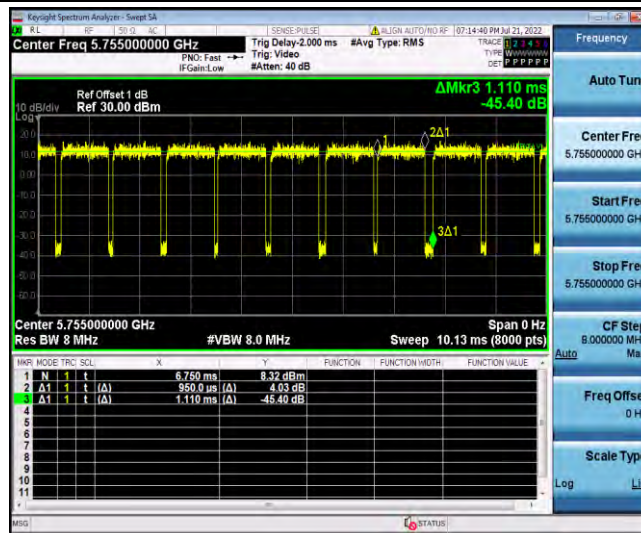
11AC20SISO_Ant1_5825



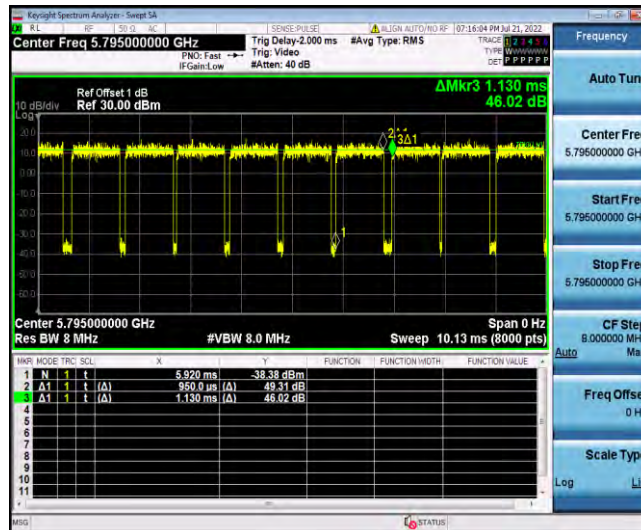
11AC40SISO_Ant1_5190



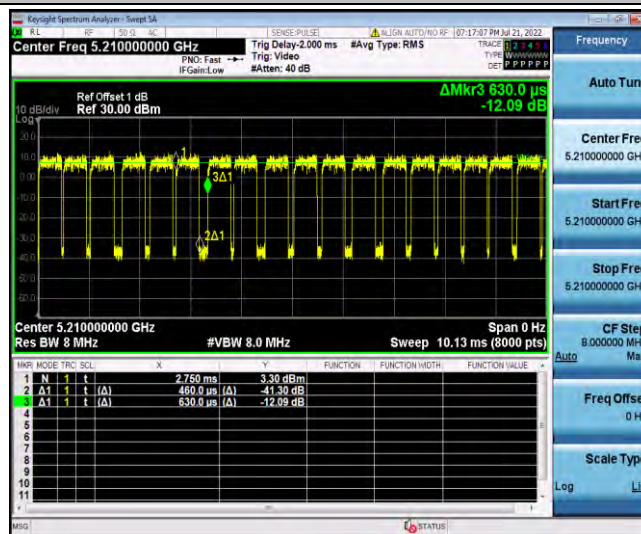
11AC40SISO_Ant1_5230



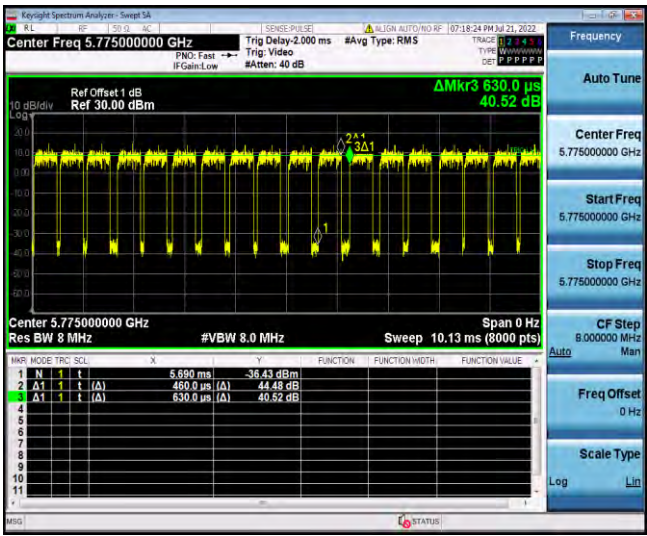
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775

***** End *****