RF Test Data for RLAN(5.8G) (Conducted Measurement)

Product Name: Set Top Box

Trade Mark: N/A

Test Model: SN8BKCC

FCC ID: 2AOVU-SN8BKC

Environmental Conditions

Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

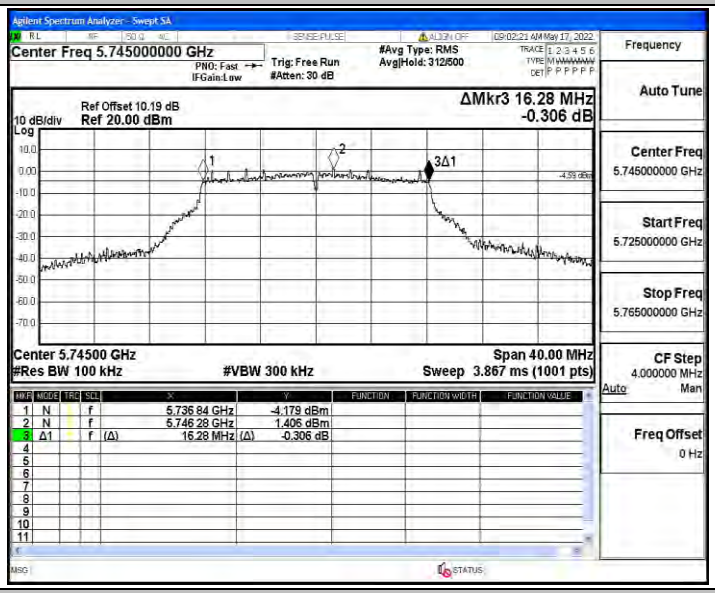
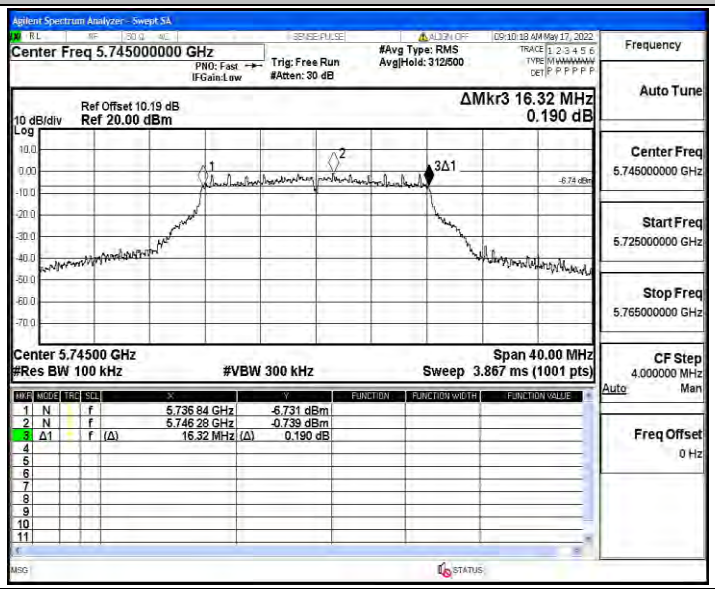
Appendix A: Min emission bandwidth

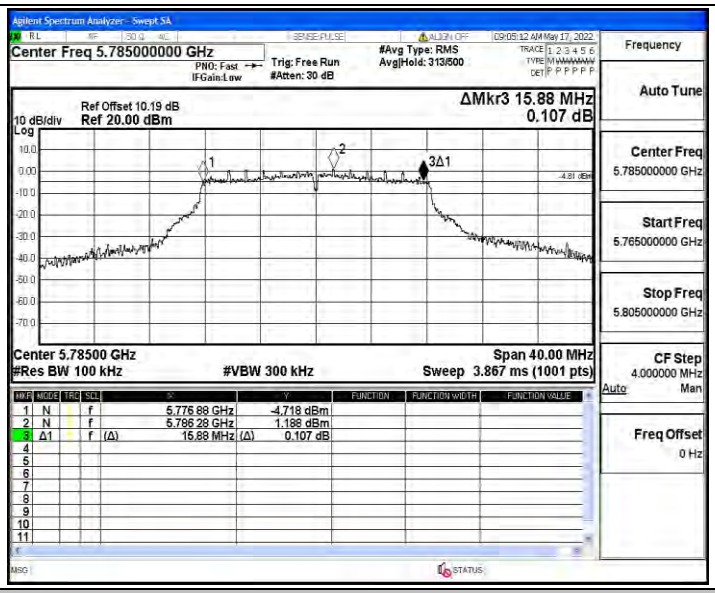
Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.280	5736.840	5753.120	0.5	PASS
	Ant2	5745	16.320	5736.840	5753.160	0.5	PASS
	Ant1	5785	15.880	5776.880	5792.760	0.5	PASS
	Ant2	5785	16.320	5776.840	5793.160	0.5	PASS
	Ant1	5825	15.440	5817.480	5832.920	0.5	PASS
	Ant2	5825	16.080	5817.080	5833.160	0.5	PASS
11N20MIMO	Ant1	5745	17.720	5736.160	5753.880	0.5	PASS
	Ant2	5745	17.720	5736.120	5753.840	0.5	PASS
	Ant1	5785	17.680	5776.160	5793.840	0.5	PASS
	Ant2	5785	17.720	5776.120	5793.840	0.5	PASS
	Ant1	5825	17.720	5816.160	5833.880	0.5	PASS
	Ant2	5825	17.680	5816.160	5833.840	0.5	PASS
11N40MIMO	Ant1	5755	36.480	5736.760	5773.240	0.5	PASS
	Ant2	5755	36.480	5736.760	5773.240	0.5	PASS
	Ant1	5795	36.320	5776.840	5813.160	0.5	PASS
	Ant2	5795	36.320	5776.840	5813.160	0.5	PASS
11AC20MIMO	Ant1	5745	17.680	5736.160	5753.840	0.5	PASS
	Ant2	5745	17.680	5736.160	5753.840	0.5	PASS
	Ant1	5785	17.720	5776.120	5793.840	0.5	PASS
	Ant2	5785	17.760	5776.120	5793.880	0.5	PASS
	Ant1	5825	17.720	5816.160	5833.880	0.5	PASS
	Ant2	5825	17.720	5816.120	5833.840	0.5	PASS
11AC40MIMO	Ant1	5755	36.400	5736.760	5773.160	0.5	PASS
	Ant2	5755	36.400	5736.760	5773.160	0.5	PASS

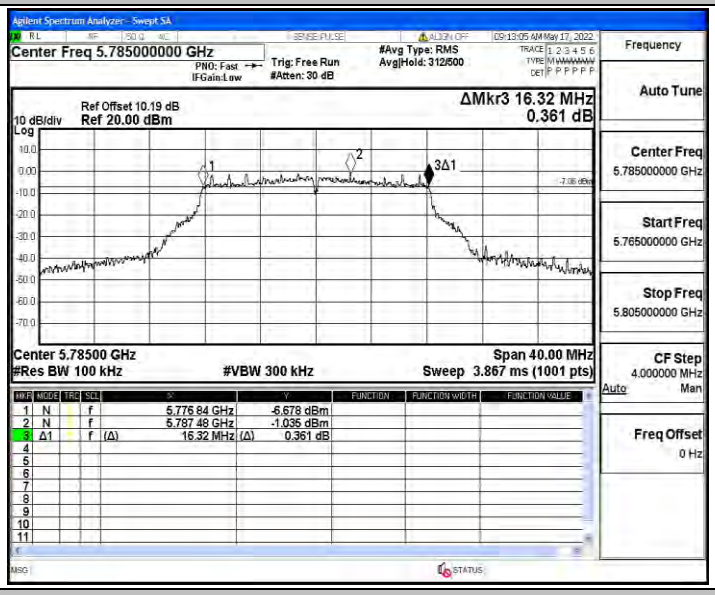
TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
	Ant1	5795	36.400	5776.760	5813.160	0.5	PASS
	Ant2	5795	36.320	5776.840	5813.160	0.5	PASS
11AC80MIMO	Ant1	5775	76.320	5736.760	5813.080	0.5	PASS
	Ant2	5775	76.320	5736.760	5813.080	0.5	PASS
11AX20MIMO	Ant1	5745	19.000	5735.480	5754.480	0.5	PASS
	Ant2	5745	19.000	5735.520	5754.520	0.5	PASS
	Ant1	5785	19.080	5775.480	5794.560	0.5	PASS
	Ant2	5785	19.000	5775.520	5794.520	0.5	PASS
	Ant1	5825	19.040	5815.520	5834.560	0.5	PASS
	Ant2	5825	19.000	5815.520	5834.520	0.5	PASS
11AX40MIMO	Ant1	5755	37.520	5736.200	5773.720	0.5	PASS
	Ant2	5755	37.200	5736.200	5773.400	0.5	PASS
	Ant1	5795	36.960	5776.200	5813.160	0.5	PASS
	Ant2	5795	37.280	5776.200	5813.480	0.5	PASS
11AX80MIMO	Ant1	5775	76.960	5736.440	5813.400	0.5	PASS
	Ant2	5775	77.440	5736.120	5813.560	0.5	PASS

Test Graphs

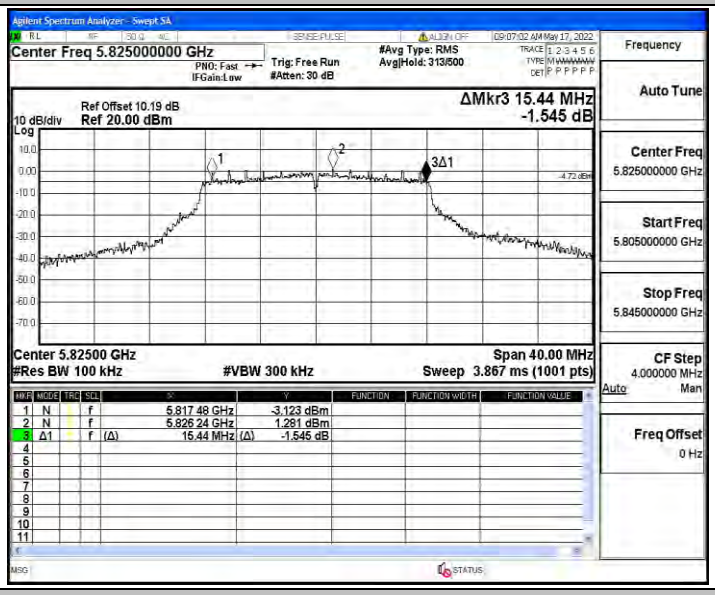
11A_Ant1_5745

11A_Ant2_5745

11A_Ant1_5785



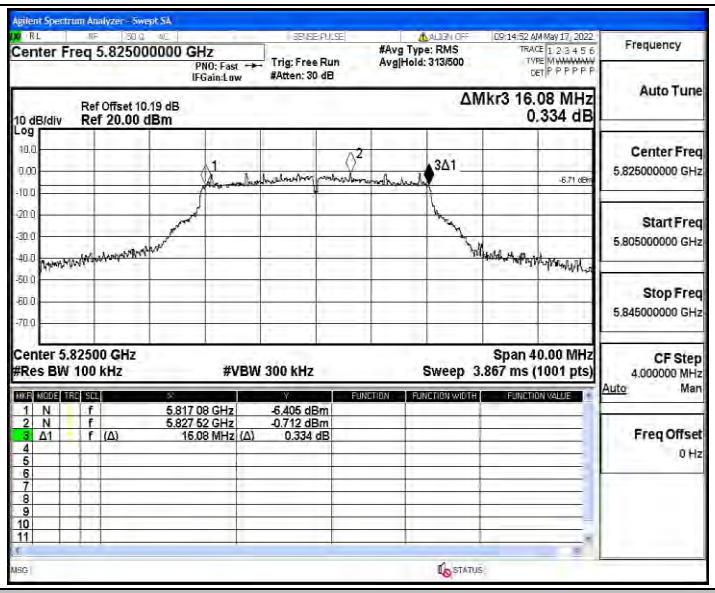
11A_Ant2_5785



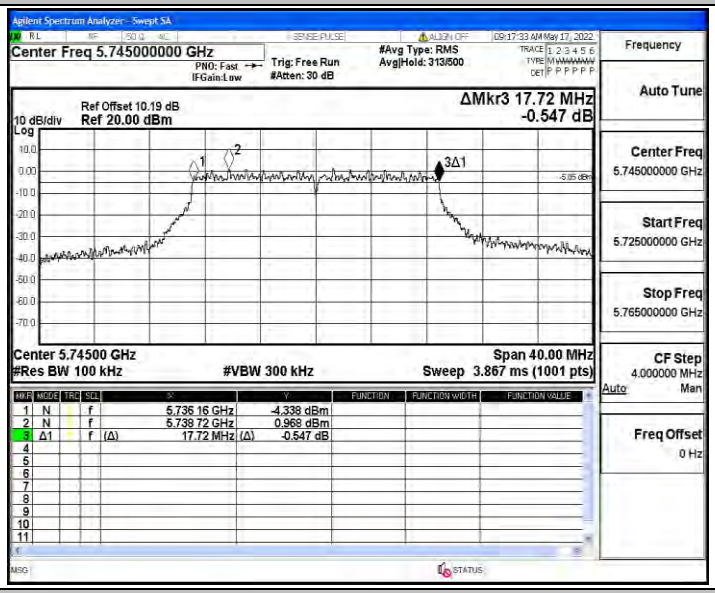
11A_Ant1_5825



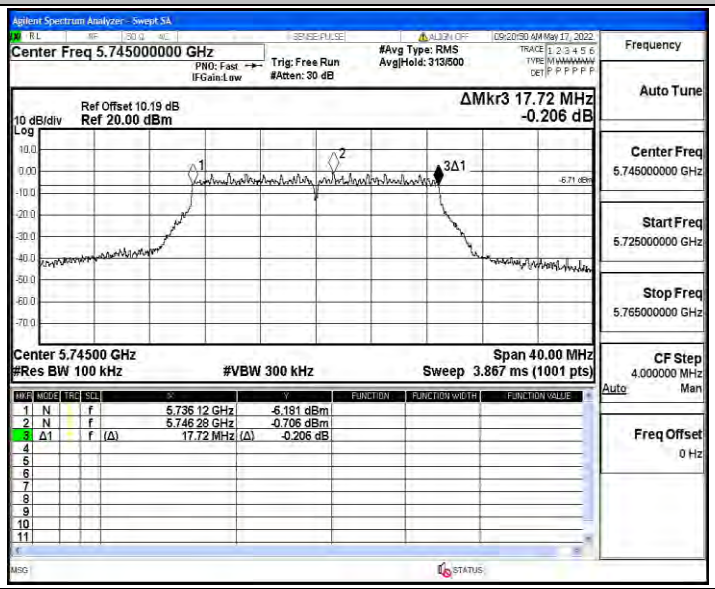
11A_Ant2_5825



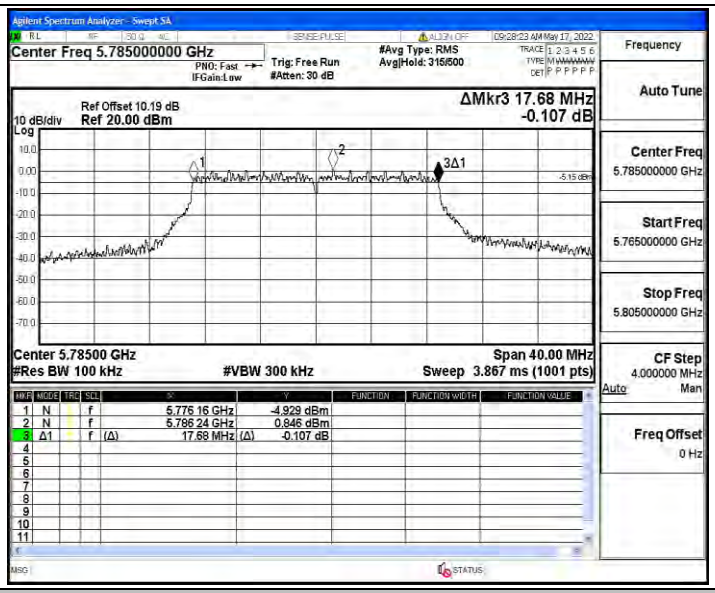
11N20MIMO_Ant1_5745



11N20MIMO_Ant2_5745



11N20MIMO_Ant1_5785



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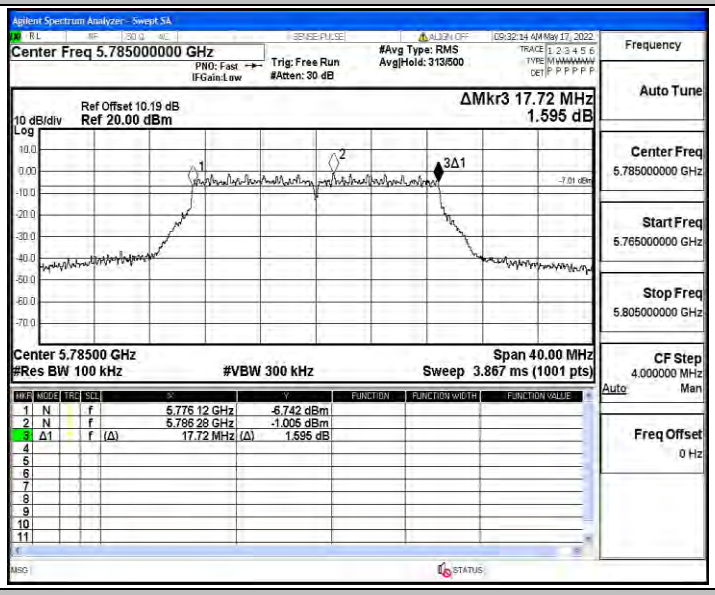

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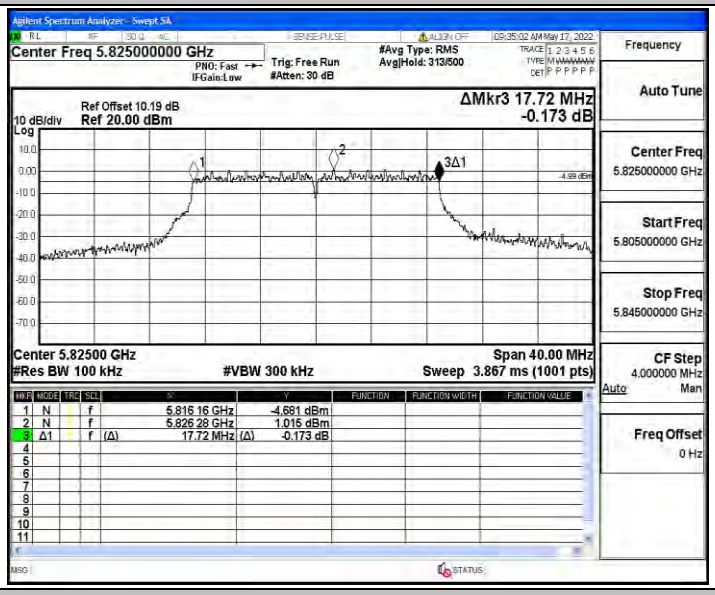

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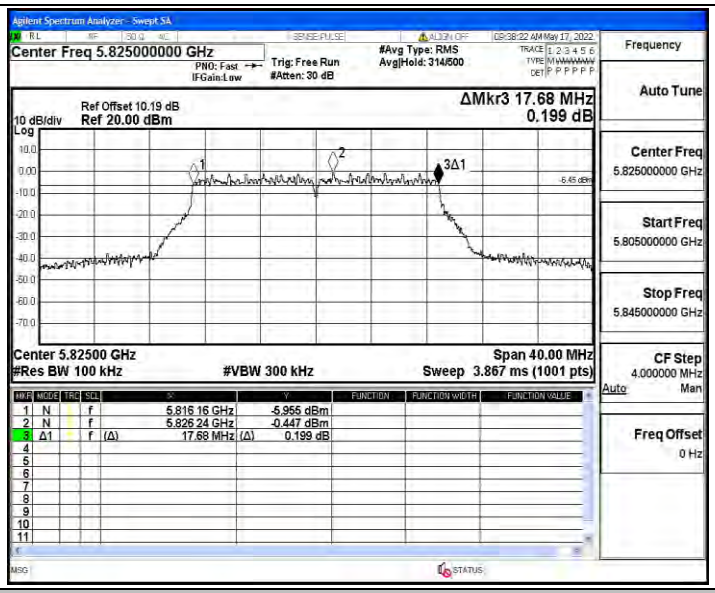
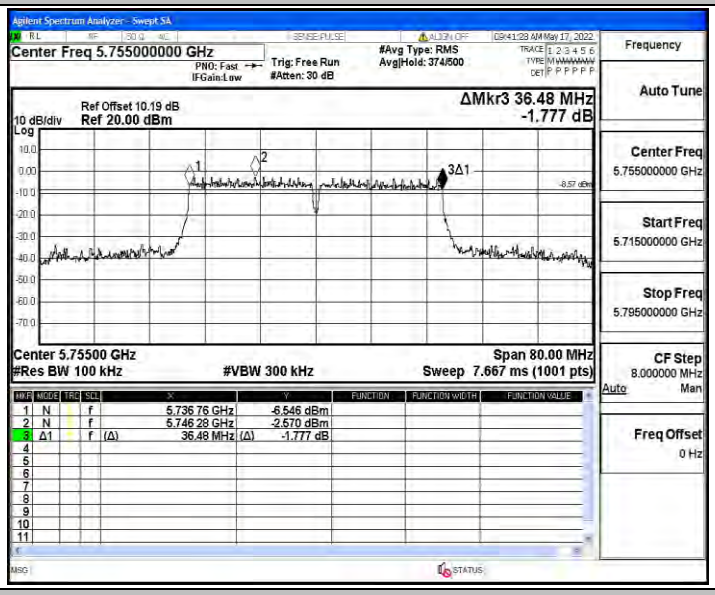
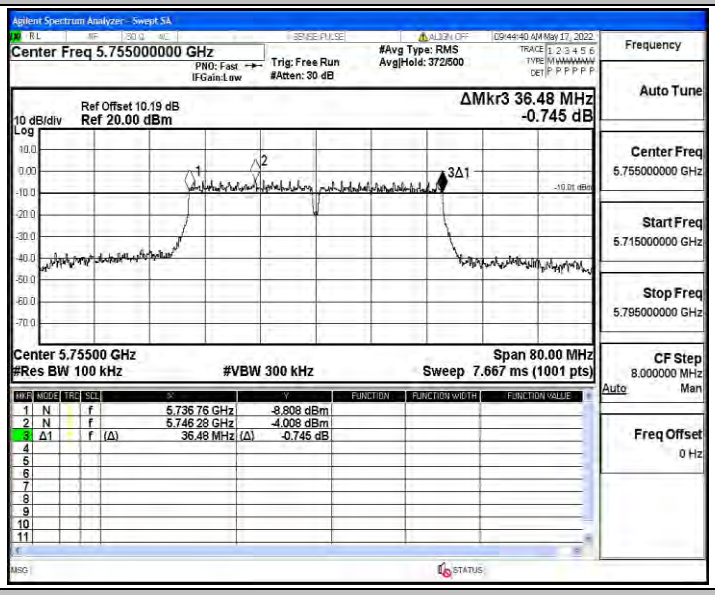


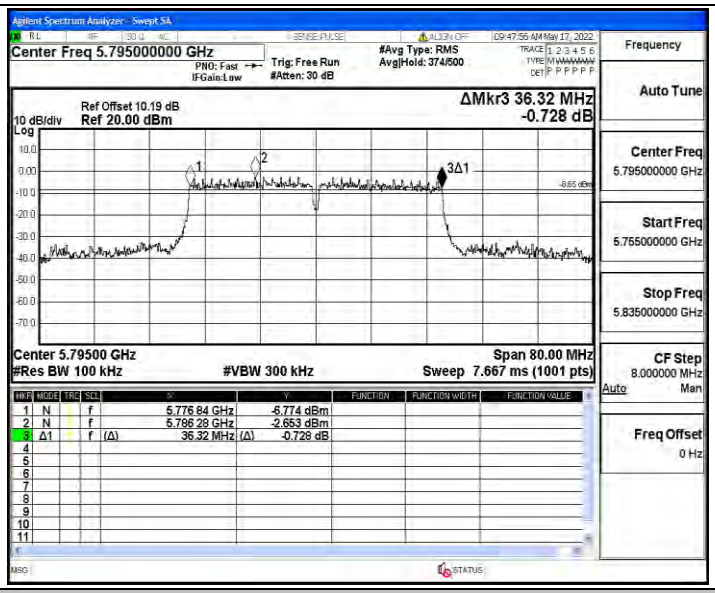
11N40MIMO_Ant1_5755



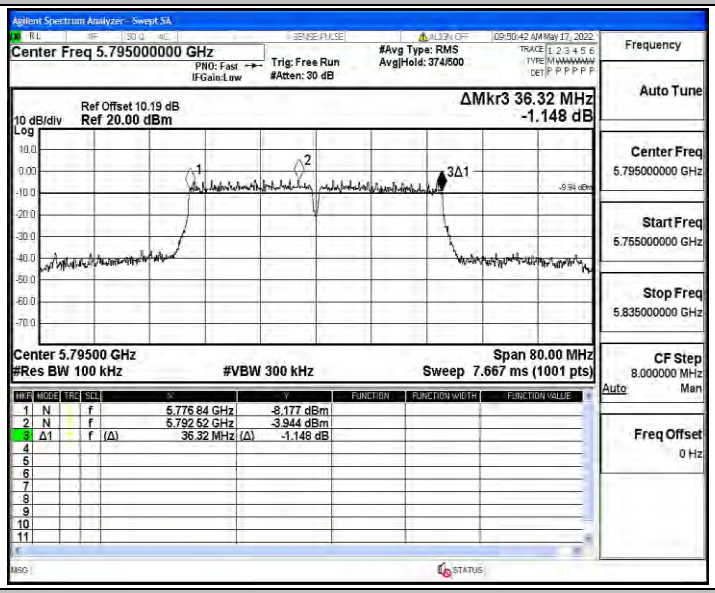
11N40MIMO_Ant2_5755



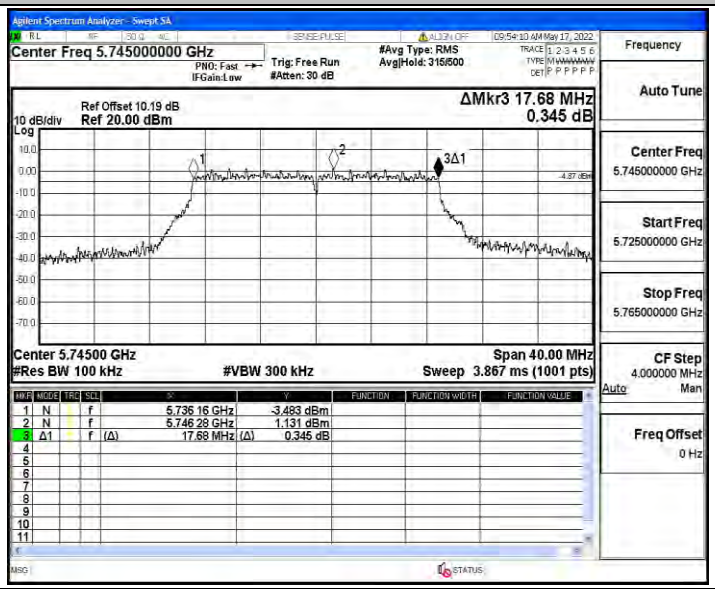
11N40MIMO_Ant1_5795



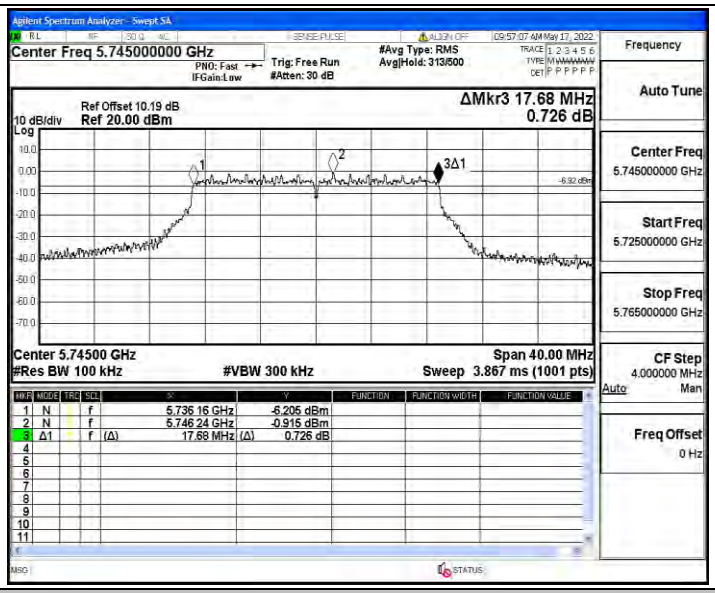
11N40MIMO_Ant2_5795



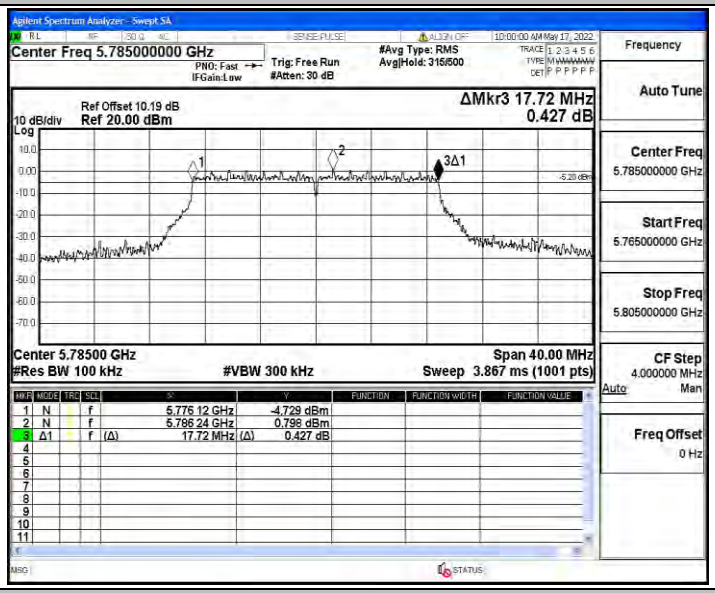
11AC20MIMO_Ant1_5745



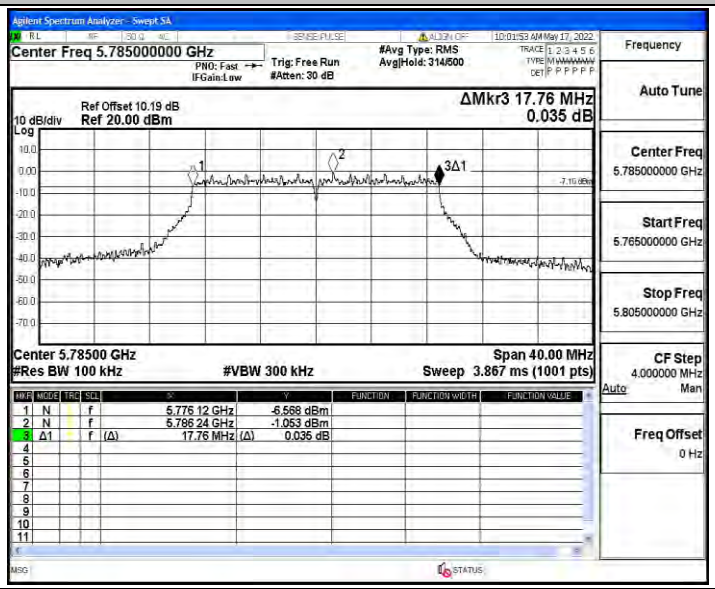
11AC20MIMO_Ant2_5745



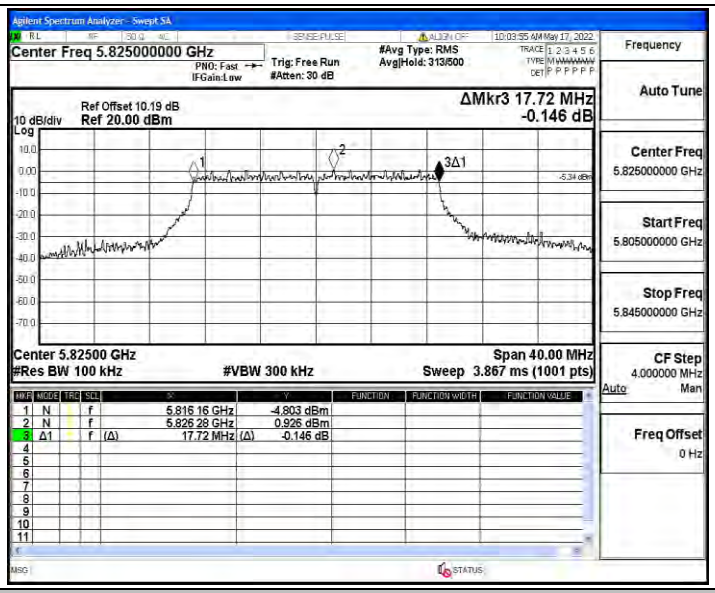
11AC20MIMO_Ant1_5785



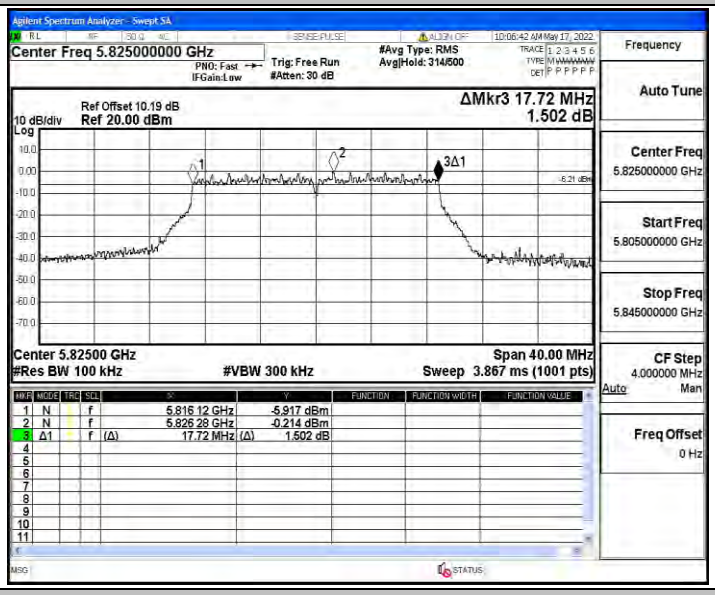
11AC20MIMO_Ant2_5785



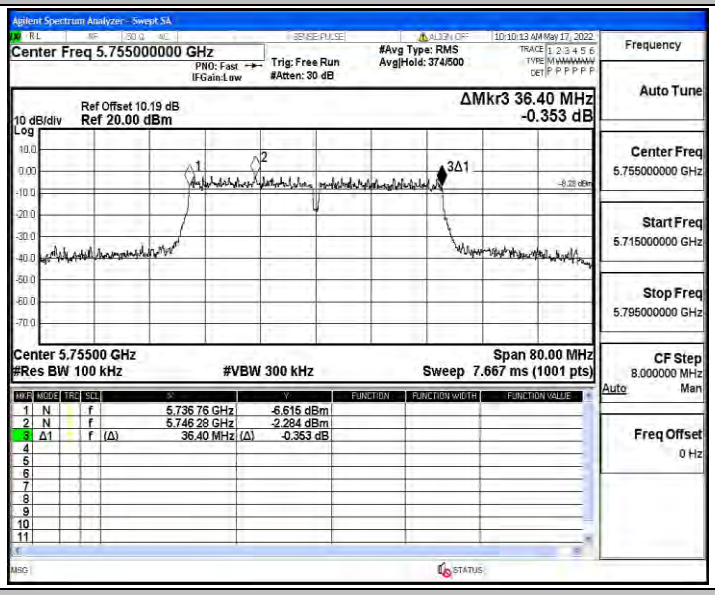
11AC20MIMO_Ant1_5825



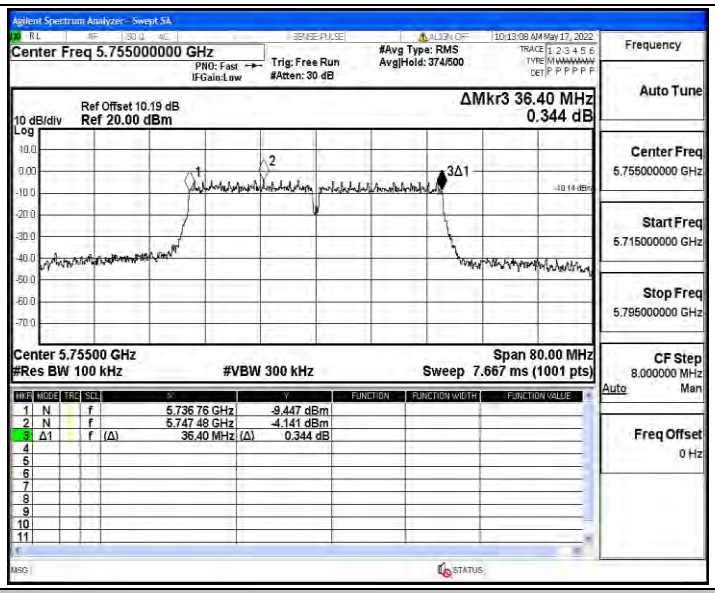
11AC20MIMO_Ant2_5825



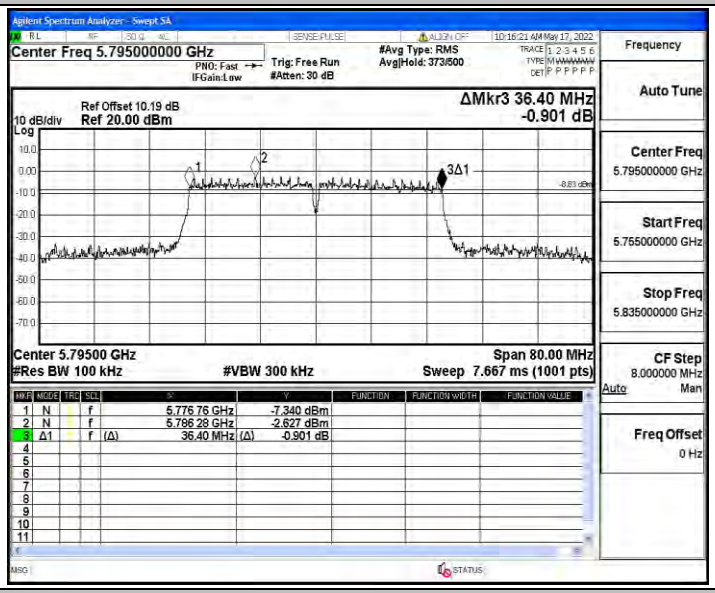
11AC40MIMO_Ant1_5755



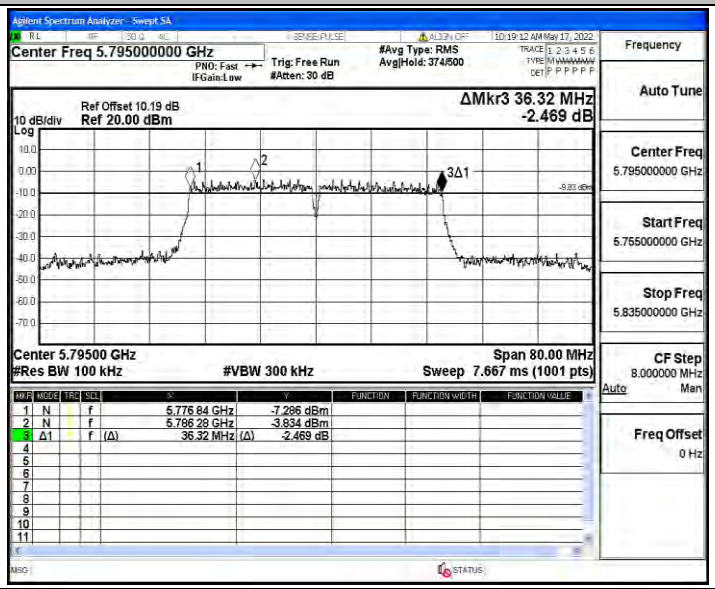
11AC40MIMO_Ant2_5755



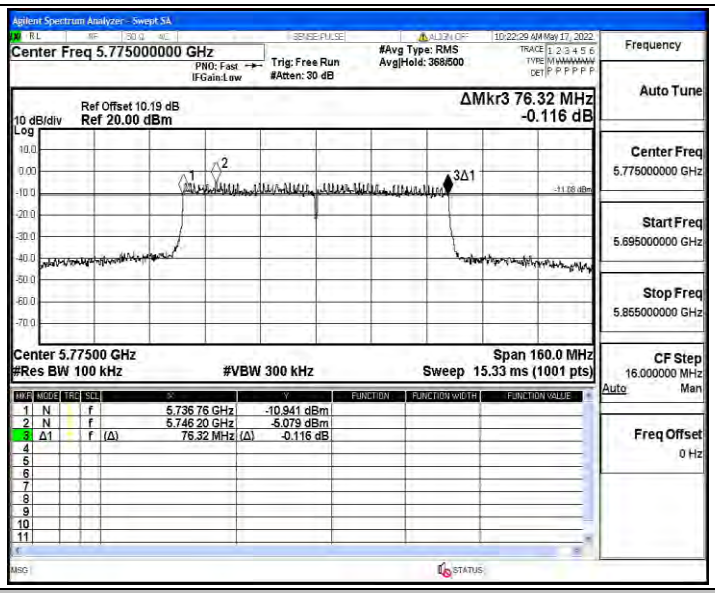
11AC40MIMO_Ant1_5795



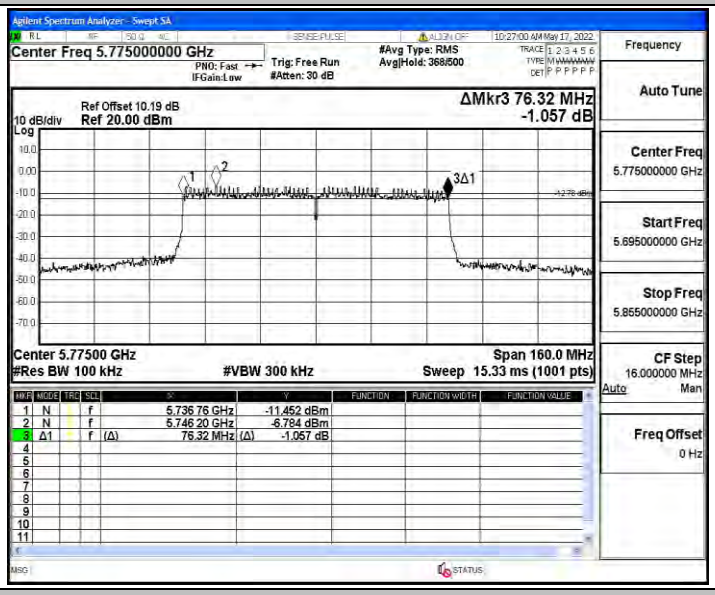
11AC40MIMO_Ant2_5795



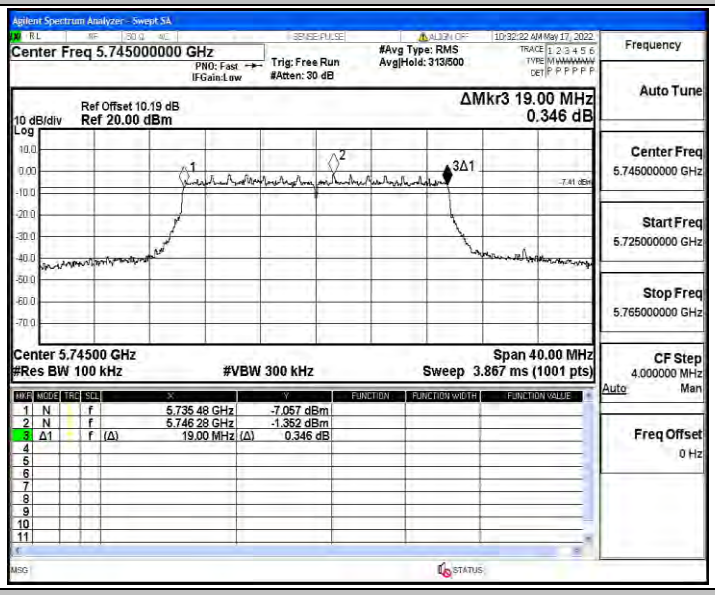
11AC80MIMO_Ant1_5775



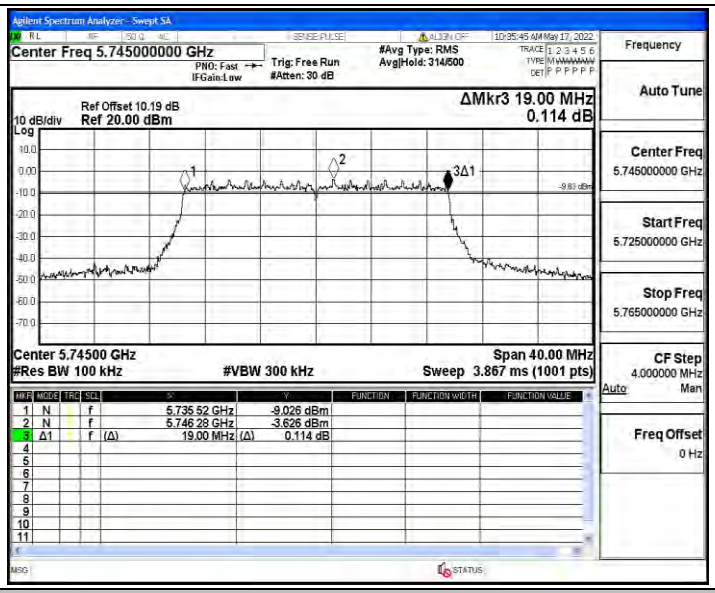
11AC80MIMO_Ant2_5775



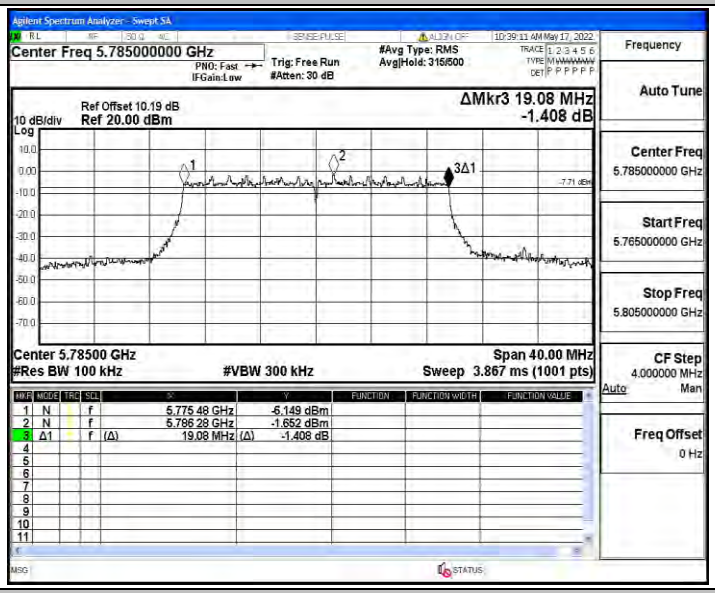
11AX20MIMO_Ant1_5745



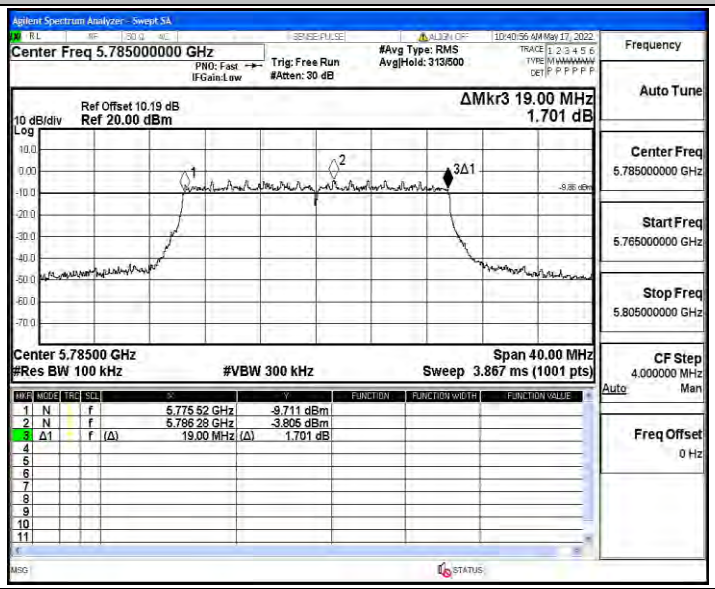
11AX20MIMO_Ant2_5745



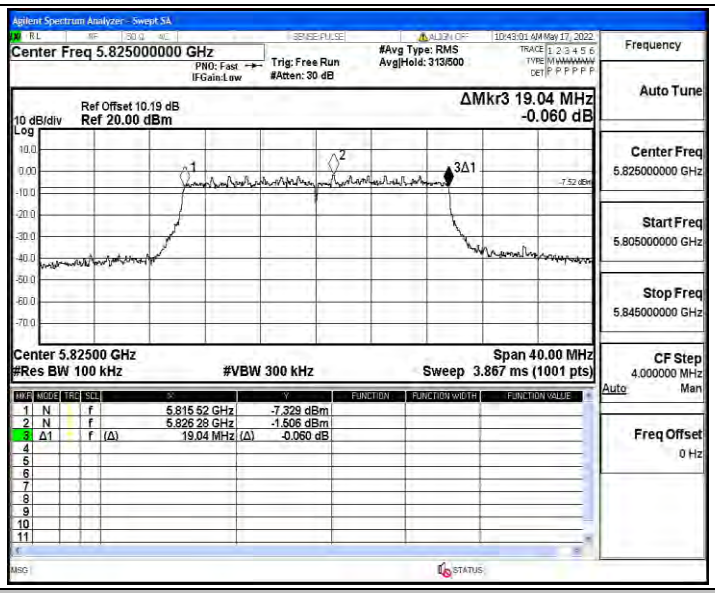
11AX20MIMO_Ant1_5785



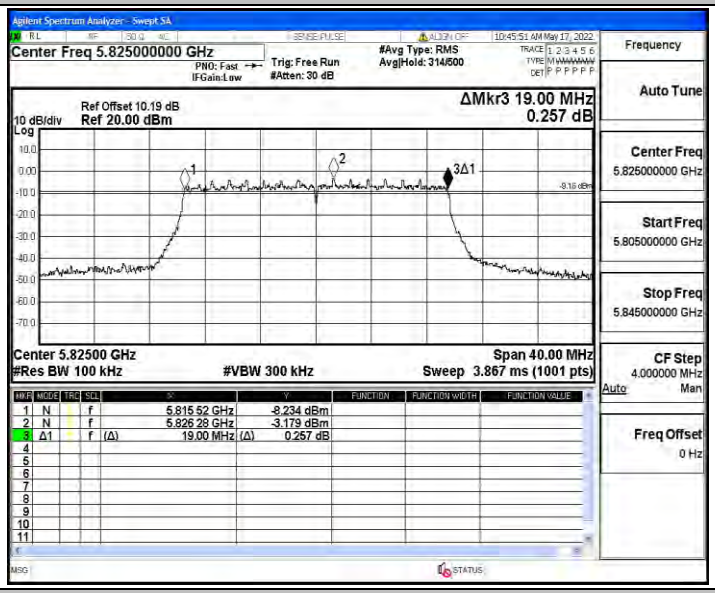
11AX20MIMO_Ant2_5785



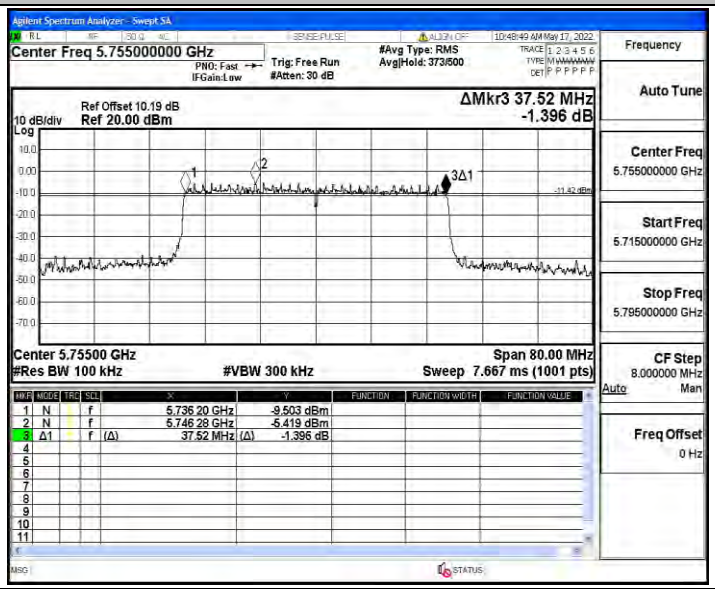
11AX20MIMO_Ant1_5825



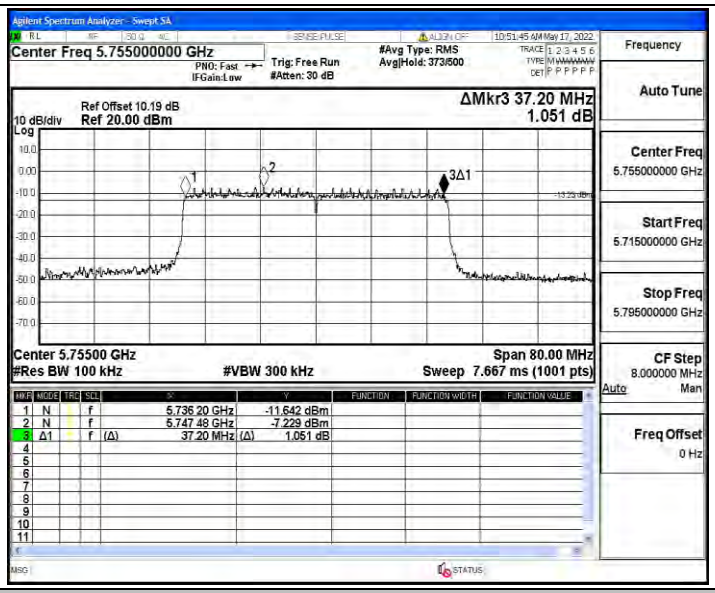
11AX20MIMO_Ant2_5825



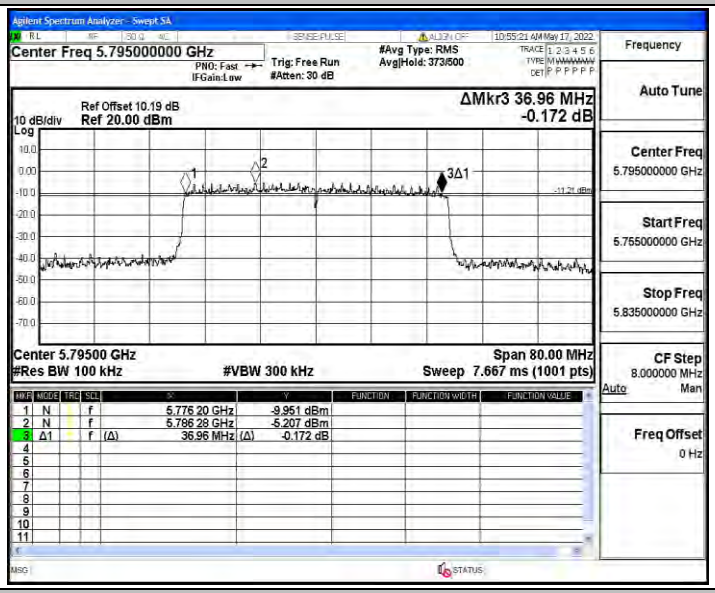
11AX40MIMO_Ant1_5755



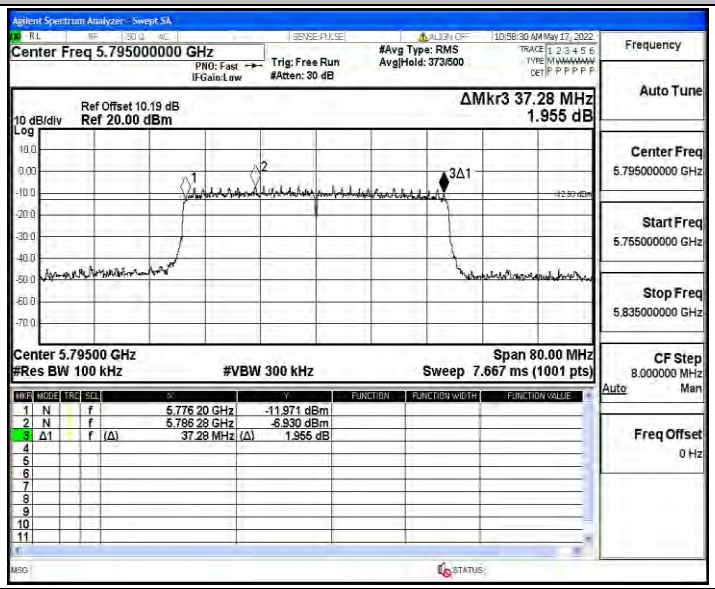
11AX40MIMO_Ant2_5755



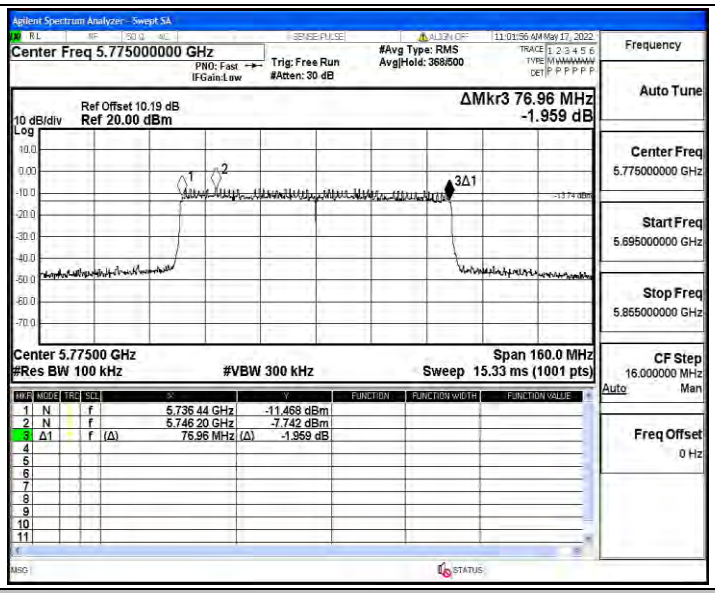
11AX40MIMO_Ant1_5795



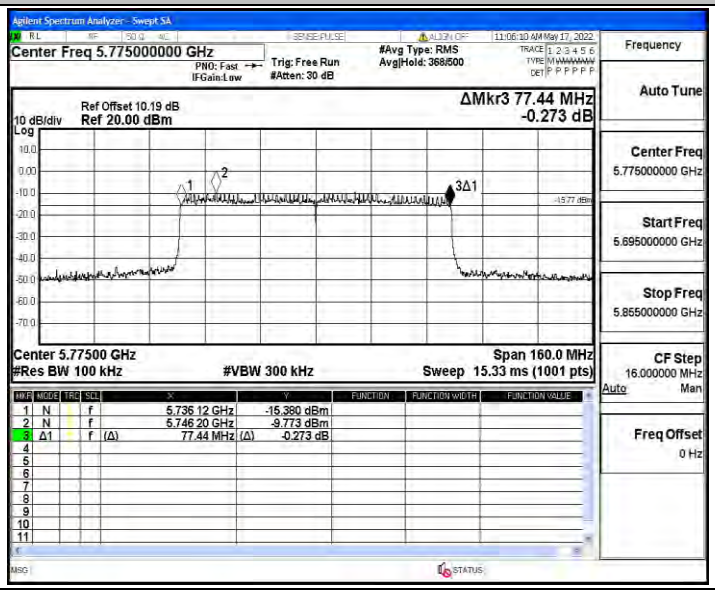
11AX40MIMO_Ant2_5795



11AX80MIMO_Ant1_5775



11AX80MIMO_Ant2_5775



Appendix B: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5745	12.35	<=30	PASS
	Ant2	5745	10.43	<=30	PASS
	Ant1	5785	12.08	<=30	PASS
	Ant2	5785	10.41	<=30	PASS
	Ant1	5825	12.23	<=30	PASS
	Ant2	5825	10.80	<=30	PASS
11N20MIMO	Ant1	5745	12.29	<=30	PASS
	Ant2	5745	10.34	<=30	PASS
	total	5745	14.43	<=28.74	PASS
	Ant1	5785	11.91	<=30	PASS
	Ant2	5785	10.11	<=30	PASS
	total	5785	14.11	<=28.74	PASS
	Ant1	5825	12.18	<=30	PASS
	Ant2	5825	10.69	<=30	PASS
	total	5825	14.51	<=28.74	PASS
11N40MIMO	Ant1	5755	11.65	<=30	PASS
	Ant2	5755	10.03	<=30	PASS
	total	5755	13.93	<=28.74	PASS
	Ant1	5795	11.41	<=30	PASS
	Ant2	5795	10.25	<=30	PASS
	total	5795	13.88	<=28.74	PASS
11AC20MIMO	Ant1	5745	12.51	<=30	PASS
	Ant2	5745	10.38	<=30	PASS
	total	5745	14.58	<=28.74	PASS
	Ant1	5785	12.17	<=30	PASS
	Ant2	5785	10.18	<=30	PASS
	total	5785	14.30	<=28.74	PASS
	Ant1	5825	12.20	<=30	PASS
	Ant2	5825	10.69	<=30	PASS
	total	5825	14.52	<=28.74	PASS
11AC40MIMO	Ant1	5755	11.49	<=30	PASS
	Ant2	5755	9.98	<=30	PASS
	total	5755	13.81	<=28.74	PASS
	Ant1	5795	11.41	<=30	PASS
	Ant2	5795	10.21	<=30	PASS
	total	5795	13.86	<=28.74	PASS
11AC80MIMO	Ant1	5775	11.46	<=30	PASS
	Ant2	5775	9.92	<=30	PASS
	total	5775	13.77	<=28.74	PASS

11AX20MIMO	Ant1	5745	10.29	<=30	PASS
	Ant2	5745	7.80	<=30	PASS
	total	5745	12.23	<=28.74	PASS
	Ant1	5785	9.79	<=30	PASS
	Ant2	5785	7.62	<=30	PASS
	total	5785	11.85	<=28.74	PASS
	Ant1	5825	9.88	<=30	PASS
	Ant2	5825	8.19	<=30	PASS
	total	5825	12.13	<=28.74	PASS
11AX40MIMO	Ant1	5755	8.99	<=30	PASS
	Ant2	5755	7.46	<=30	PASS
	total	5755	11.30	<=28.74	PASS
	Ant1	5795	9.05	<=30	PASS
	Ant2	5795	7.21	<=30	PASS
	total	5795	11.24	<=28.74	PASS
11AX80MIMO	Ant1	5775	9.08	<=30	PASS
	Ant2	5775	7.36	<=30	PASS
	total	5775	11.31	<=28.74	PASS

Note：The Duty Cycle Factor is compensated in the graph.

Appendix C: Maximum power spectral density

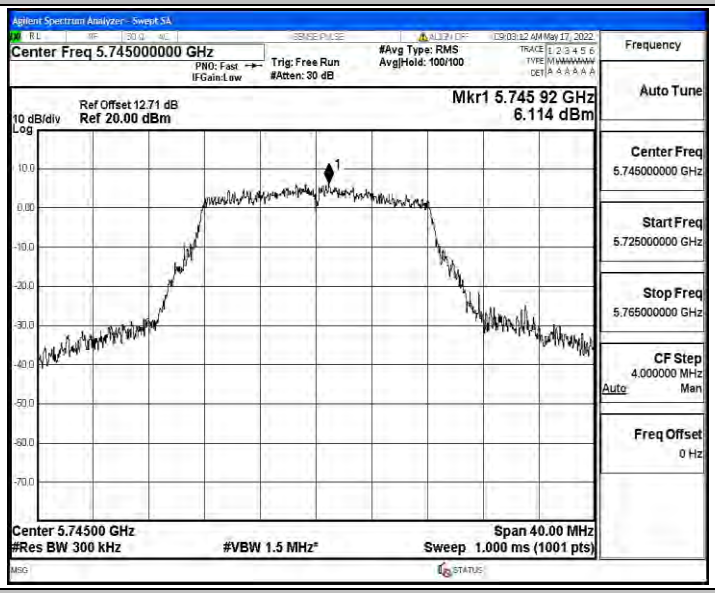
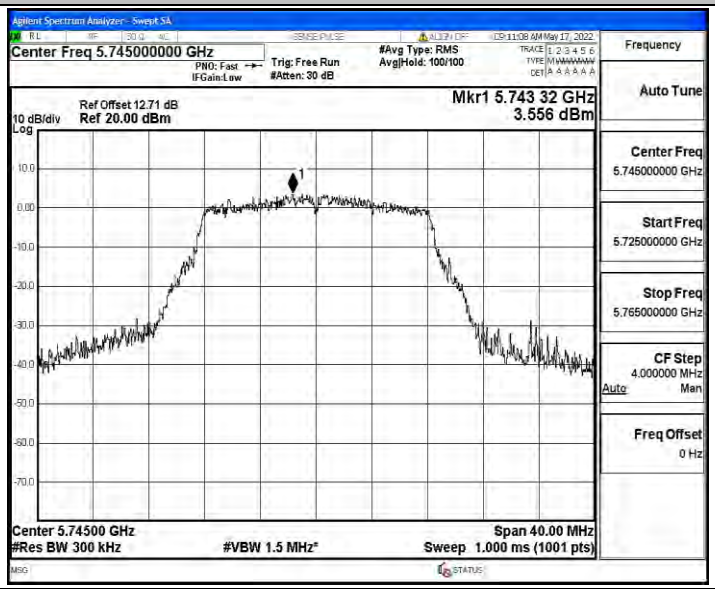
Test Result

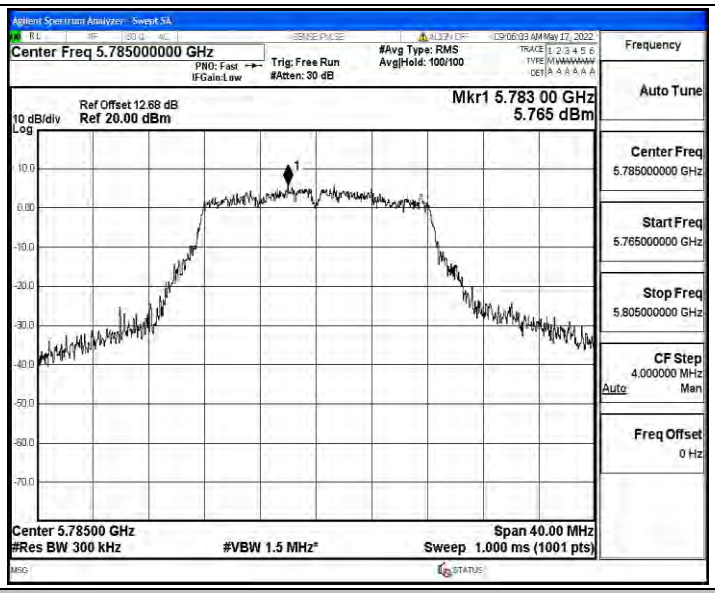
TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	6.11	<=30	PASS
	Ant2	5745	3.56	<=30	PASS
	Ant1	5785	5.77	<=30	PASS
	Ant2	5785	4.11	<=30	PASS
	Ant1	5825	5.85	<=30	PASS
	Ant2	5825	4.98	<=30	PASS
11N20MIMO	Ant1	5745	7.52	<=30	PASS
	Ant2	5745	5.35	<=30	PASS
	total	5745	9.58	<=28.74	PASS
	Ant1	5785	7.1	<=30	PASS
	Ant2	5785	5	<=30	PASS
	total	5785	9.19	<=28.74	PASS
	Ant1	5825	7.14	<=30	PASS
	Ant2	5825	5.08	<=30	PASS
	total	5825	9.24	<=28.74	PASS
11N40MIMO	Ant1	5755	4.74	<=30	PASS
	Ant2	5755	3.14	<=30	PASS
	total	5755	7.02	<=28.74	PASS
	Ant1	5795	4.66	<=30	PASS
	Ant2	5795	2.33	<=30	PASS
	total	5795	6.66	<=28.74	PASS
11AC20MIMO	Ant1	5745	6.49	<=30	PASS
	Ant2	5745	4.82	<=30	PASS
	total	5745	8.75	<=28.74	PASS
	Ant1	5785	5.71	<=30	PASS
	Ant2	5785	4.16	<=30	PASS
	total	5785	8.01	<=28.74	PASS
	Ant1	5825	6.03	<=30	PASS
	Ant2	5825	4.47	<=30	PASS
	total	5825	8.33	<=28.74	PASS
11AC40MIMO	Ant1	5755	4.15	<=30	PASS
	Ant2	5755	3.55	<=30	PASS
	total	5755	6.87	<=28.74	PASS
	Ant1	5795	4.35	<=30	PASS
	Ant2	5795	3.94	<=30	PASS
	total	5795	7.16	<=28.74	PASS
11AC80MIMO	Ant1	5775	1.97	<=30	PASS
	Ant2	5775	0.44	<=30	PASS
	total	5775	4.28	<=28.74	PASS

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11AX20MIMO	Ant1	5745	5.99	<=30	PASS
	Ant2	5745	3.46	<=30	PASS
	total	5745	7.92	<=28.74	PASS
	Ant1	5785	5.27	<=30	PASS
	Ant2	5785	3.73	<=30	PASS
	total	5785	7.58	<=28.74	PASS
	Ant1	5825	5.24	<=30	PASS
	Ant2	5825	3.73	<=30	PASS
	total	5825	7.56	<=28.74	PASS
11AX40MIMO	Ant1	5755	2.25	<=30	PASS
	Ant2	5755	0.43	<=30	PASS
	total	5755	4.44	<=28.74	PASS
	Ant1	5795	2.65	<=30	PASS
	Ant2	5795	0.27	<=30	PASS
	total	5795	4.63	<=28.74	PASS
11AX80MIMO	Ant1	5775	-1.14	<=30	PASS
	Ant2	5775	-10.56	<=30	PASS
	total	5775	-5.04	<=28.74	PASS

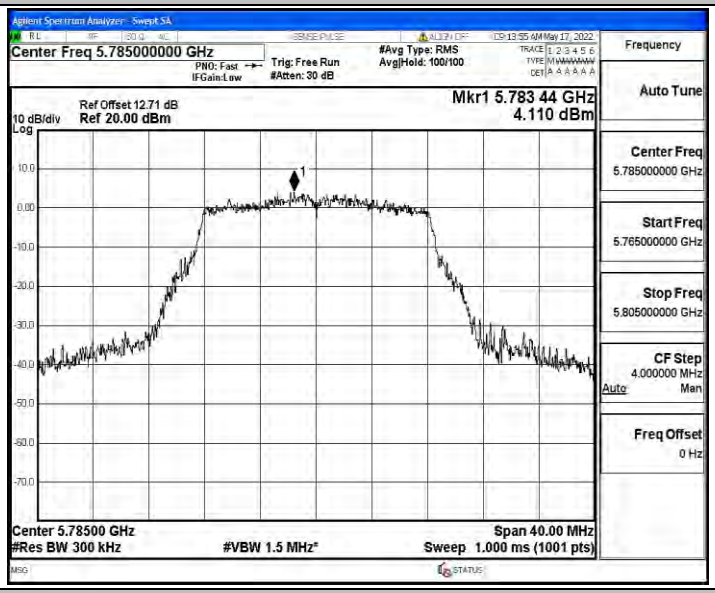
Note：1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

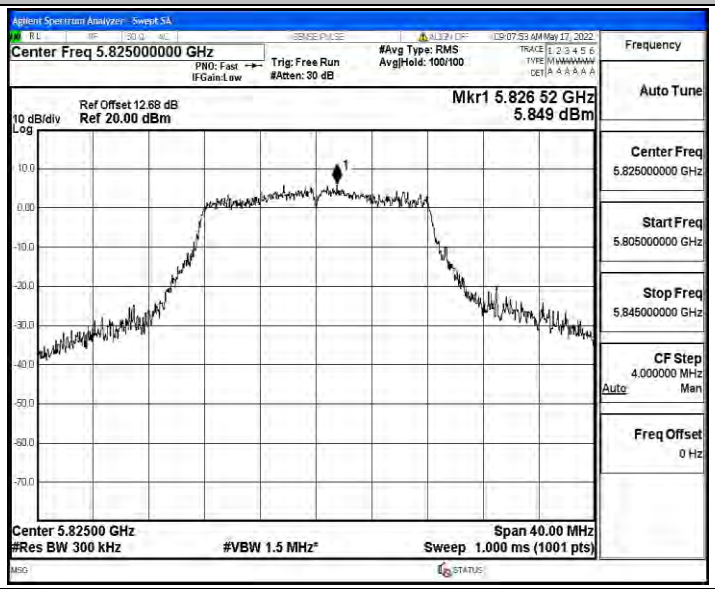
11A_Ant1_5745

11A_Ant2_5745

11A_Ant1_5785



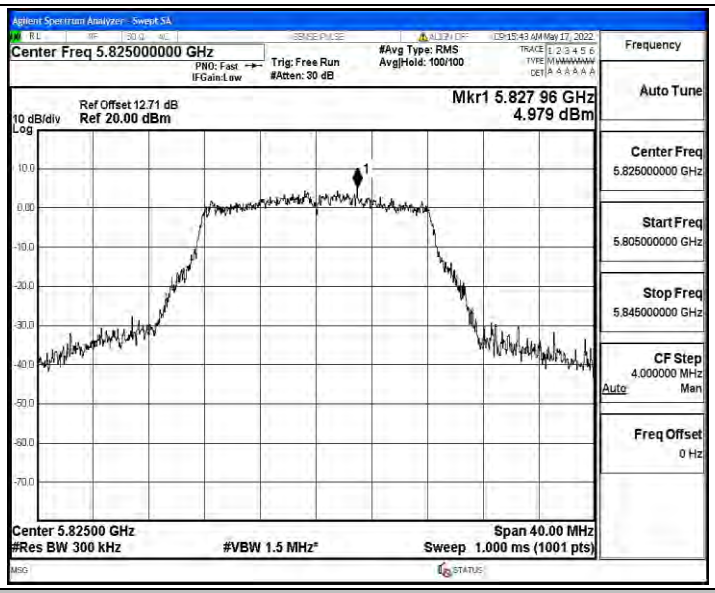
11A_Ant2_5785



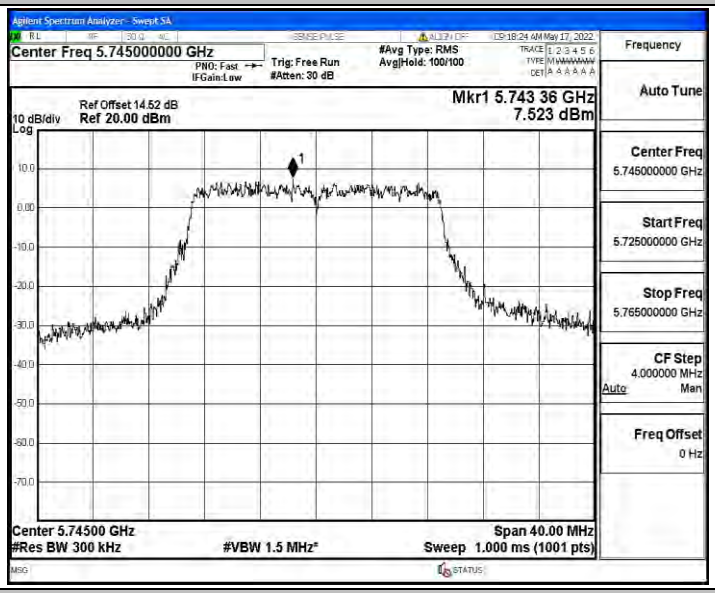
11A_Ant1_5825



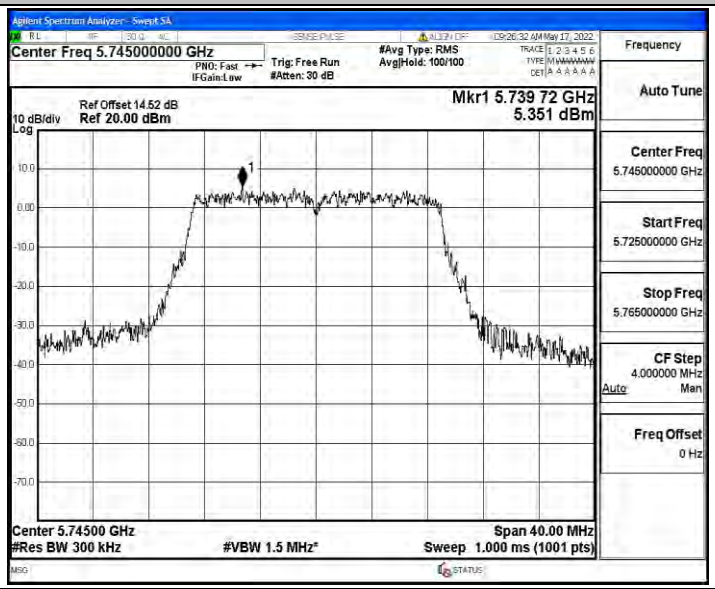
11A_Ant2_5825



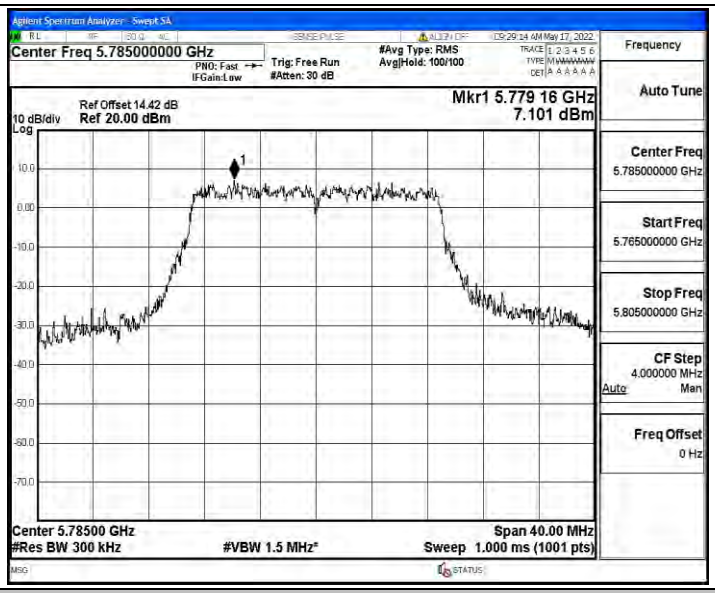
11N20MIMO_Ant1_5745



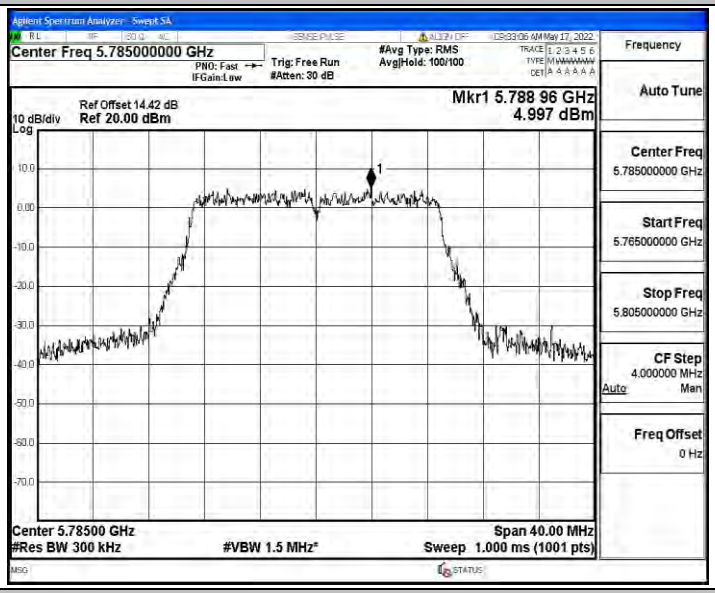
11N20MIMO_Ant2_5745



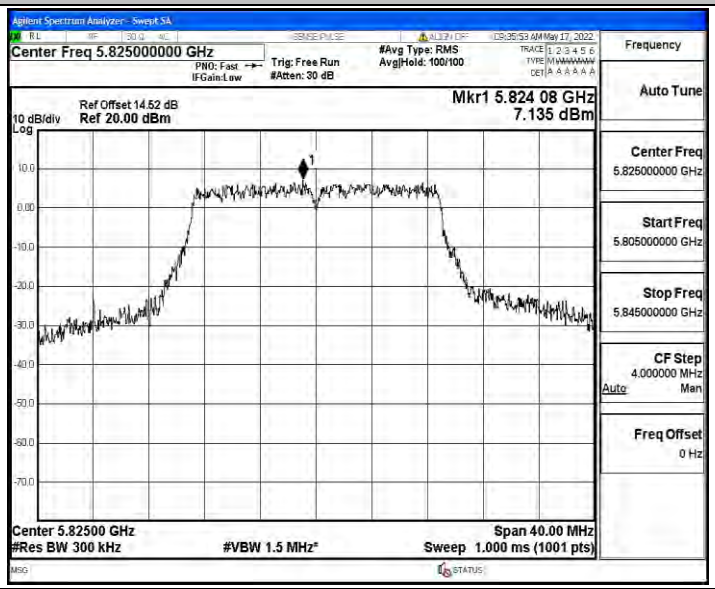
11N20MIMO_Ant1_5785



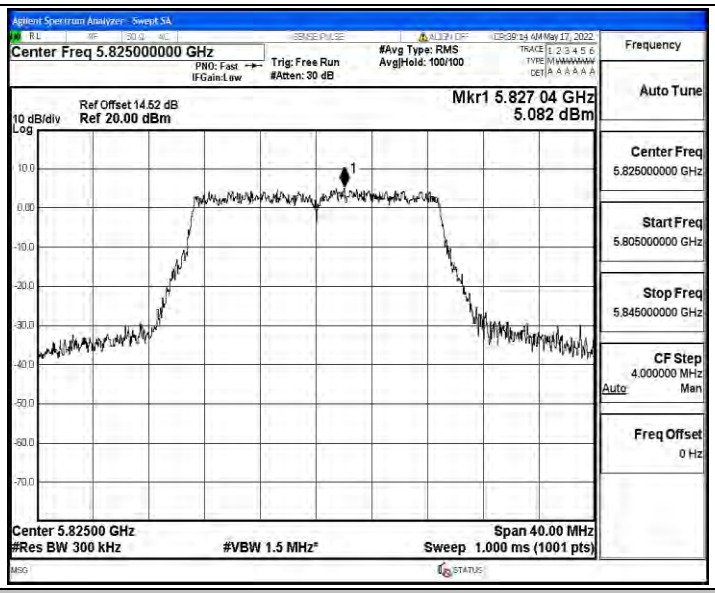
11N20MIMO_Ant2_5785



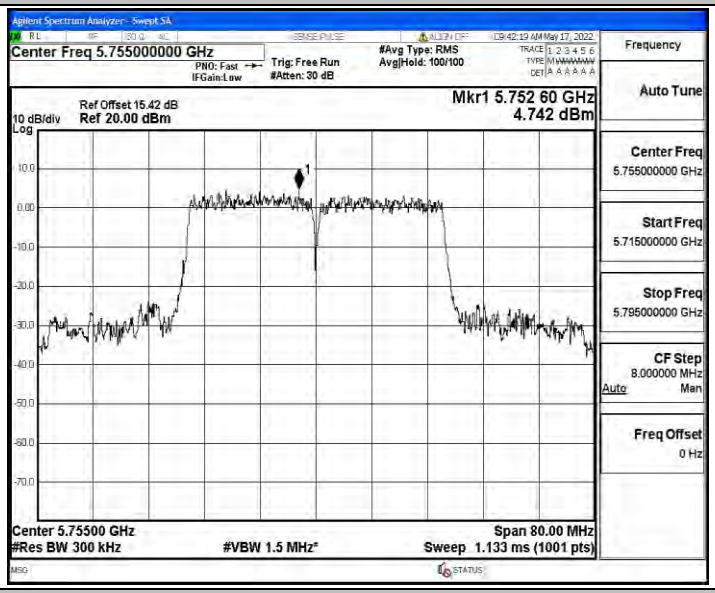
11N20MIMO_Ant1_5825



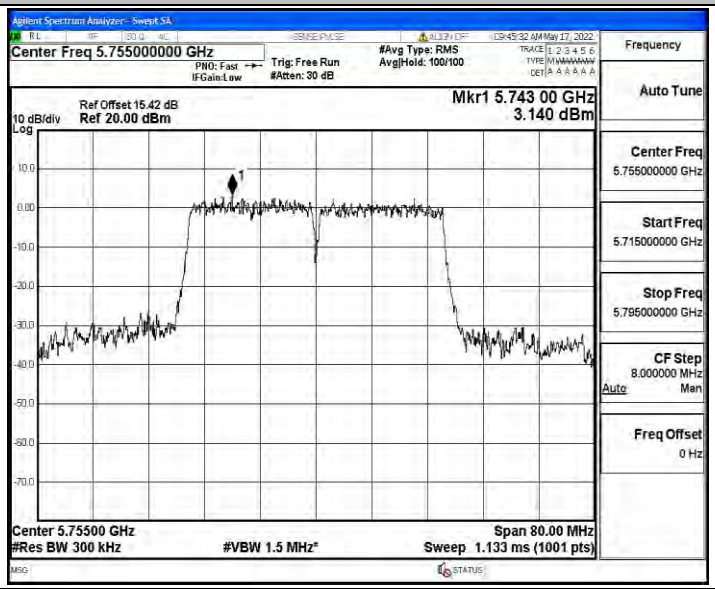
11N20MIMO_Ant2_5825



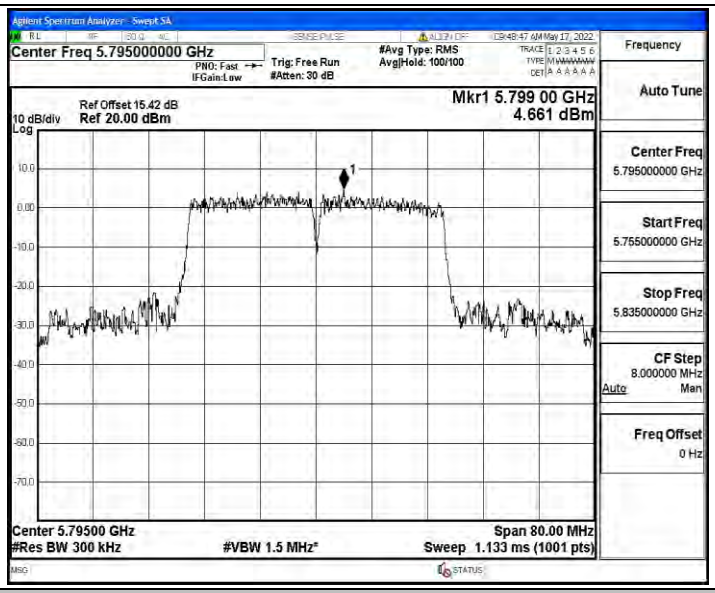
11N40MIMO_Ant1_5755



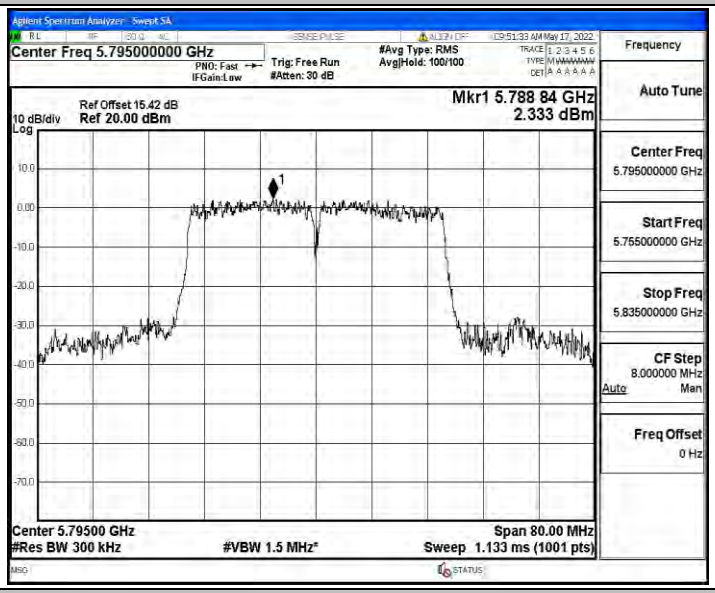
11N40MIMO_Ant2_5755



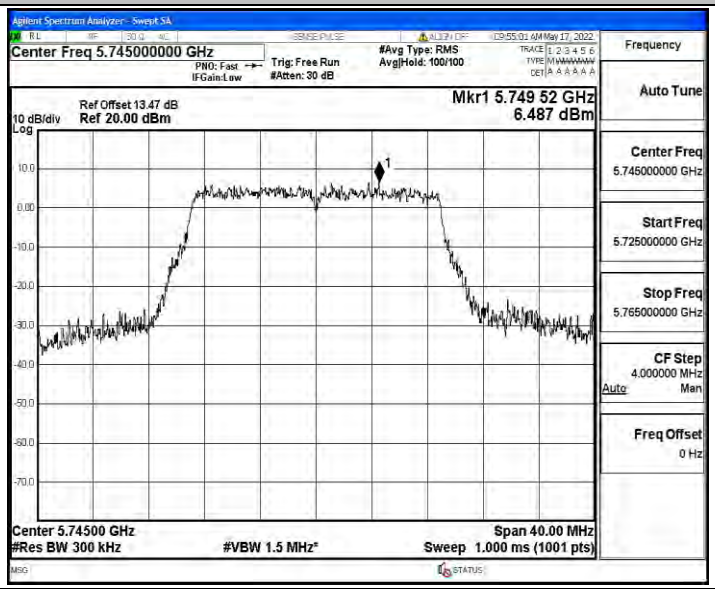
11N40MIMO_Ant1_5795



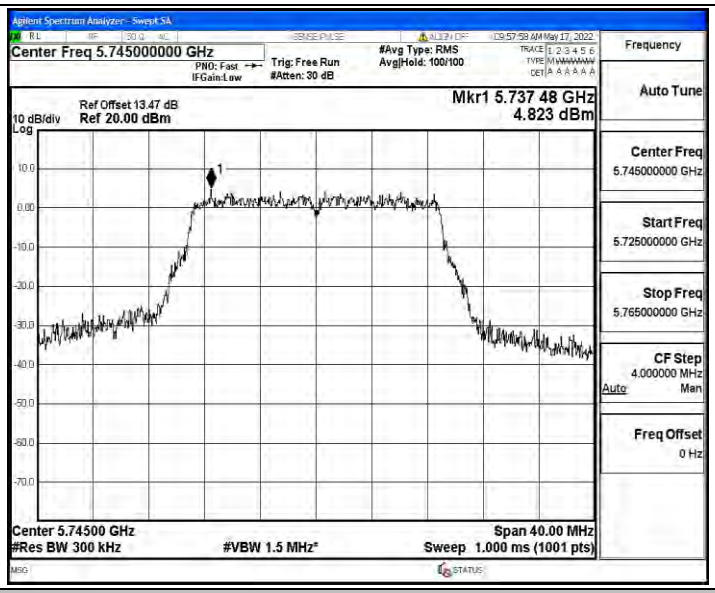
11N40MIMO_Ant2_5795



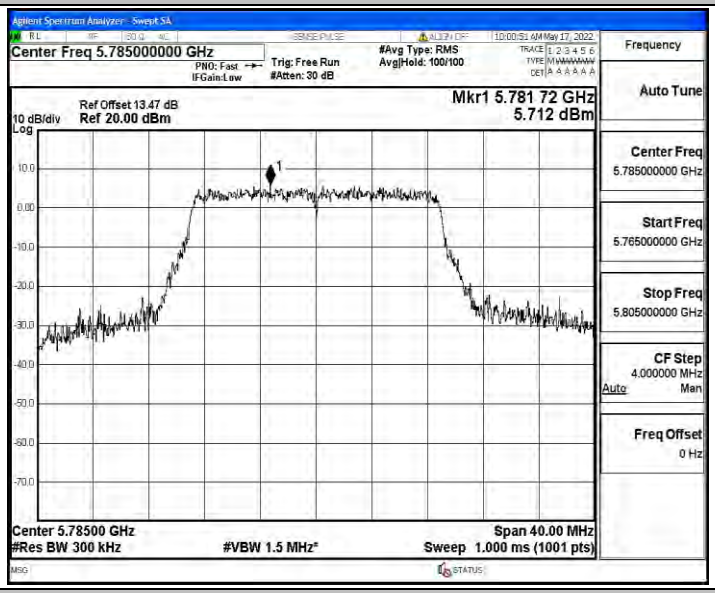
11AC20MIMO_Ant1_5745



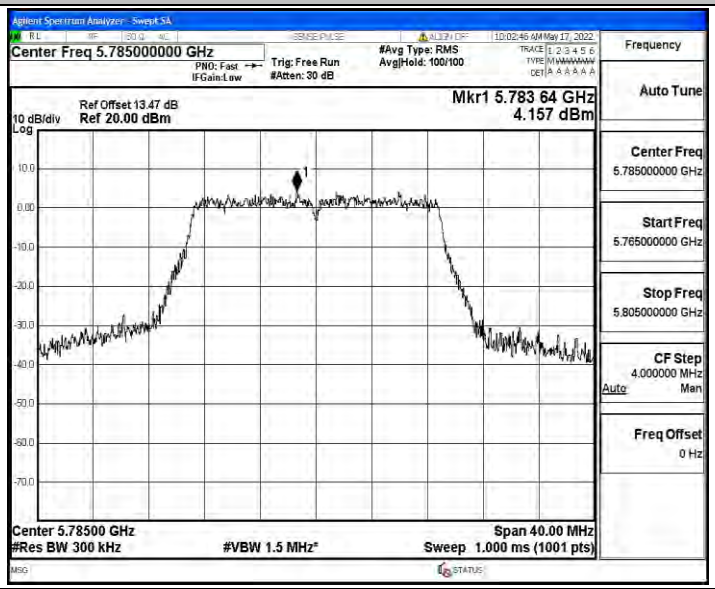
11AC20MIMO_Ant2_5745



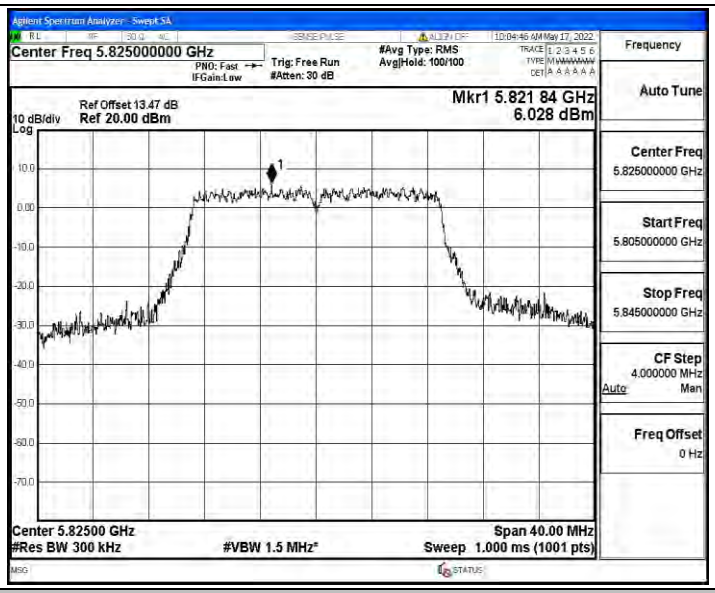
11AC20MIMO_Ant1_5785



11AC20MIMO_Ant2_5785



11AC20MIMO_Ant1_5825



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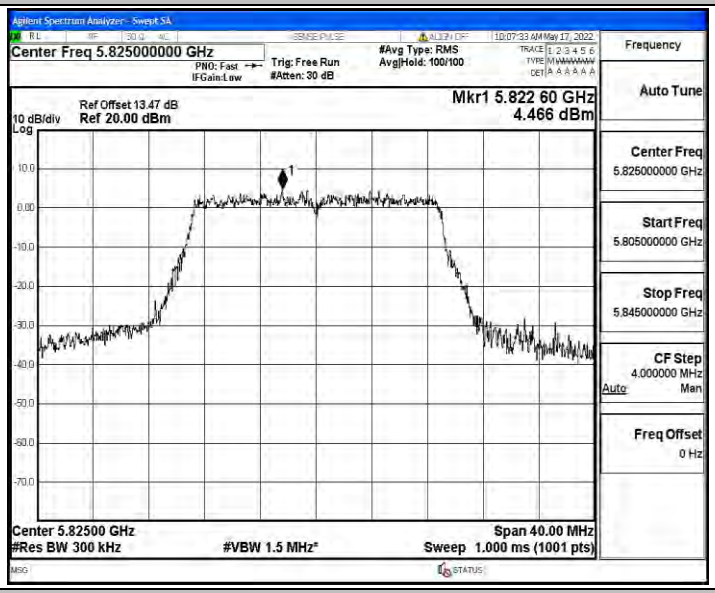
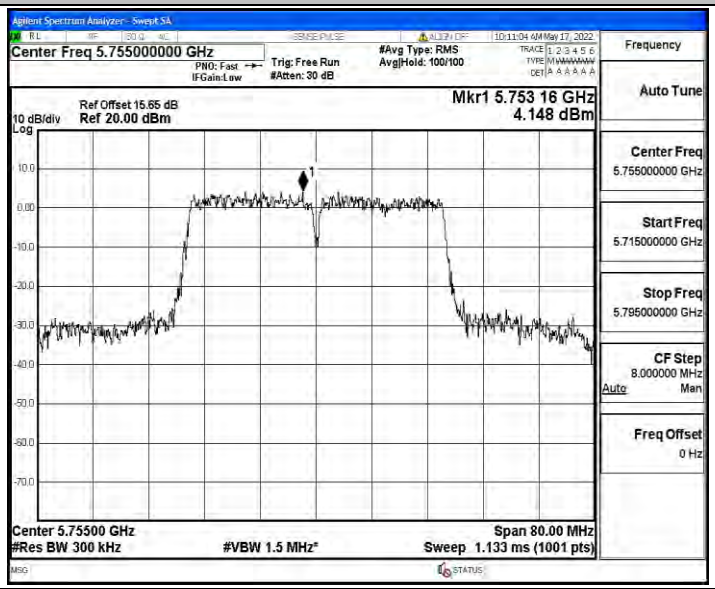
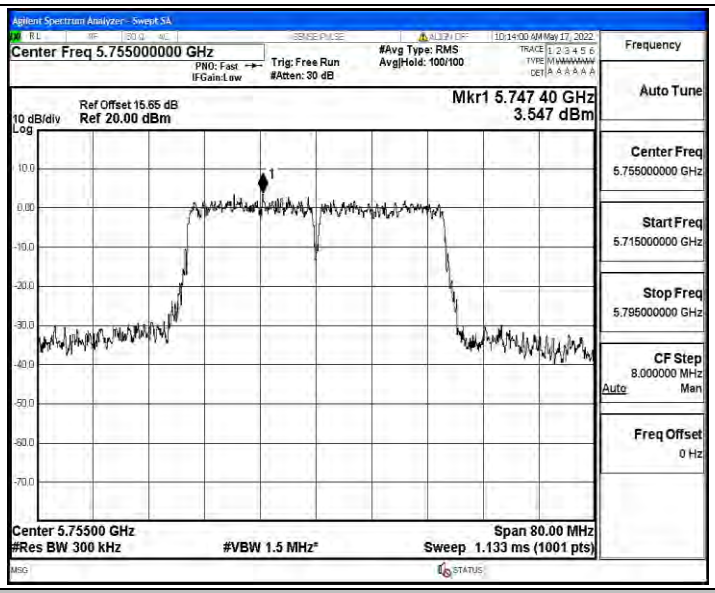


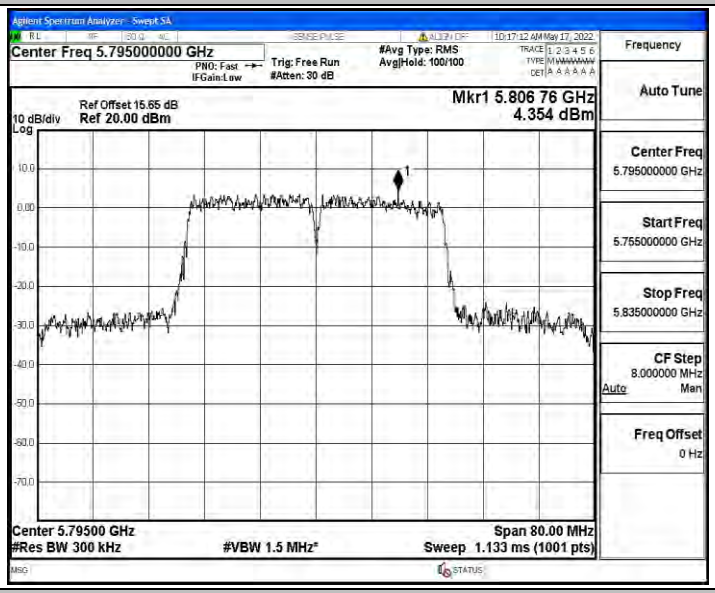
11AC40MIMO_Ant1_5755



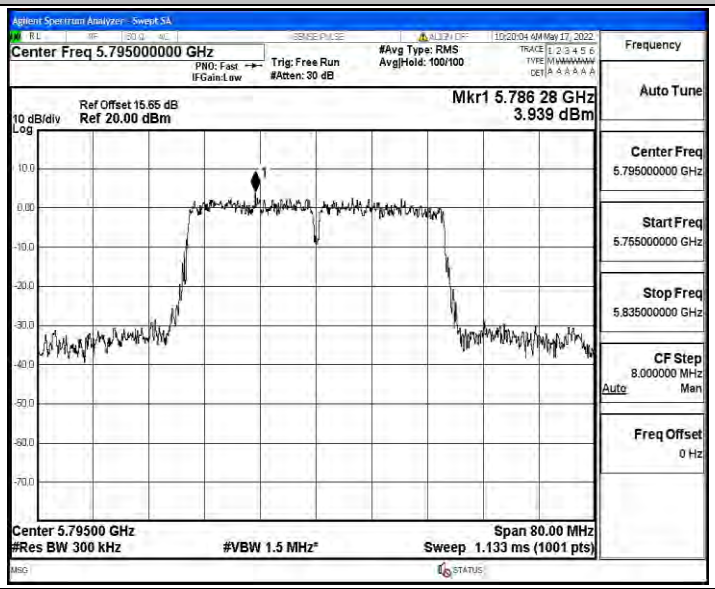
11AC40MIMO_Ant2_5755



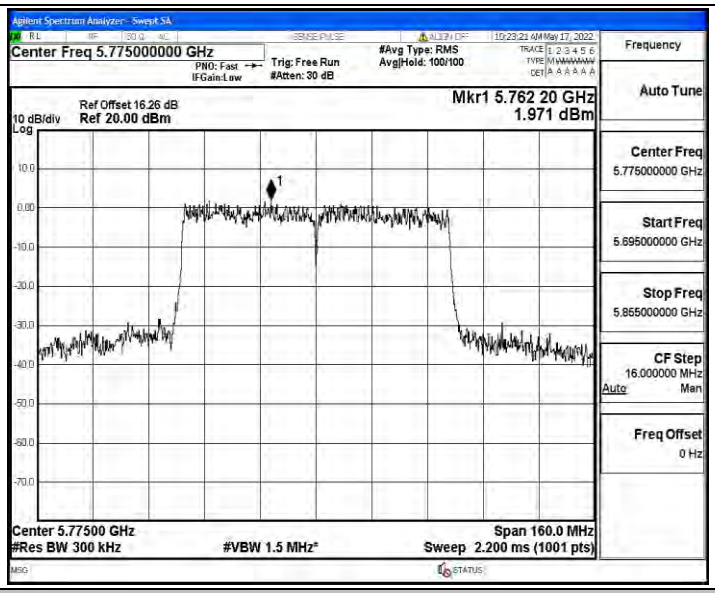
11AC40MIMO_Ant1_5795



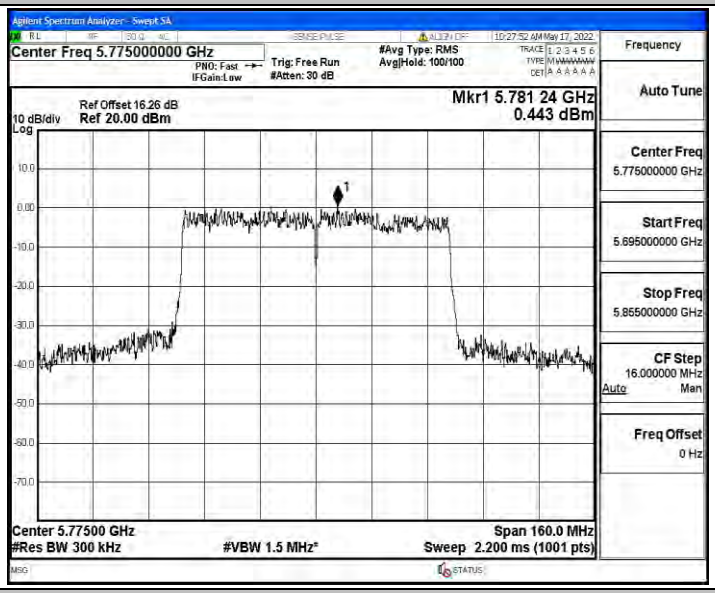
11AC40MIMO_Ant2_5795



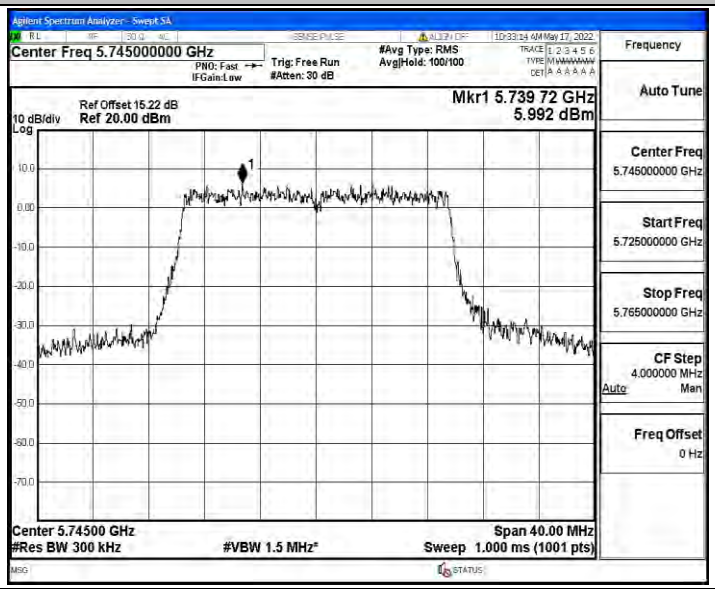
11AC80MIMO_Ant1_5775



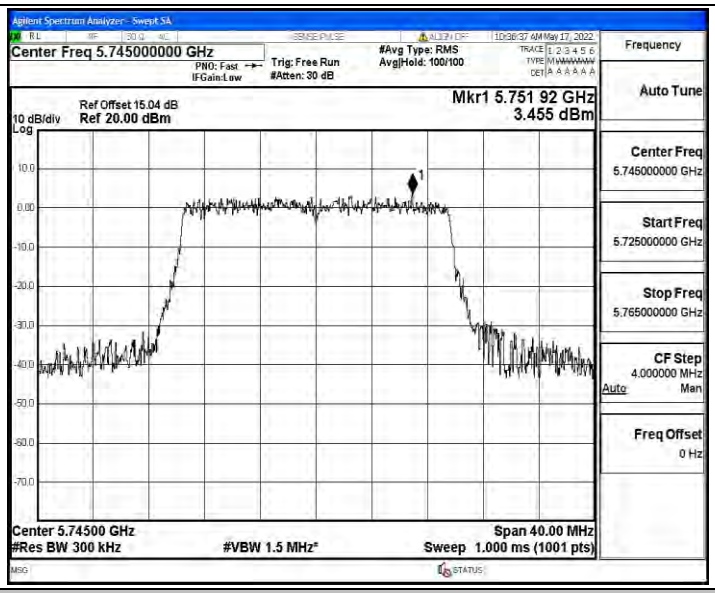
11AC80MIMO_Ant2_5775



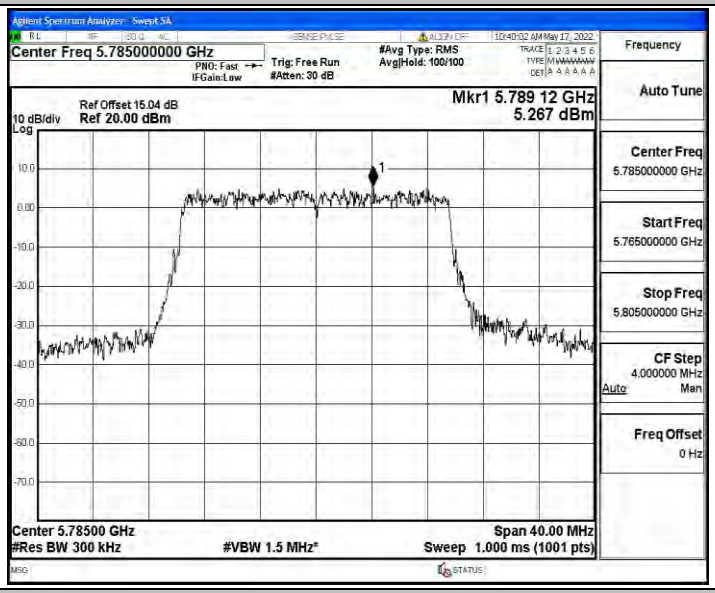
11AX20MIMO_Ant1_5745



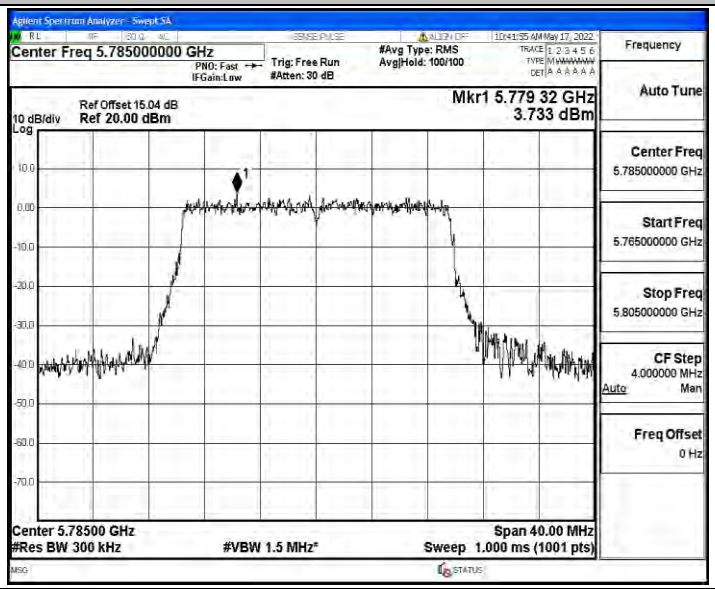
11AX20MIMO_Ant2_5745



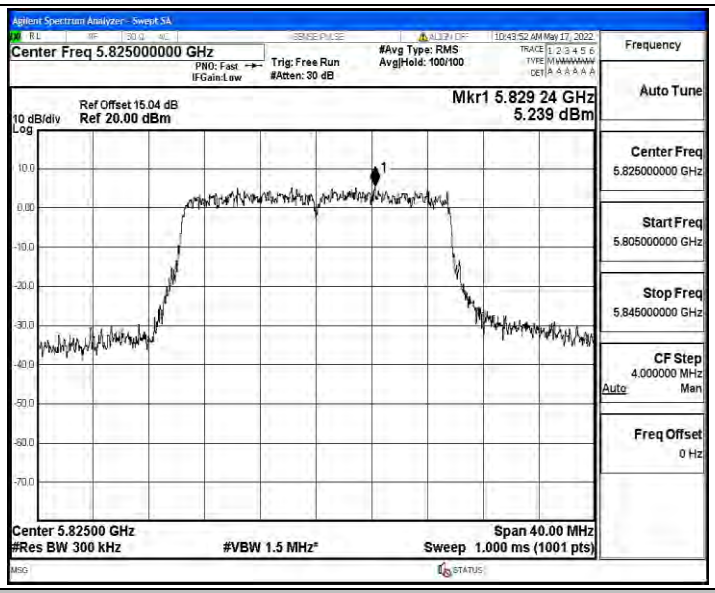
11AX20MIMO_Ant1_5785



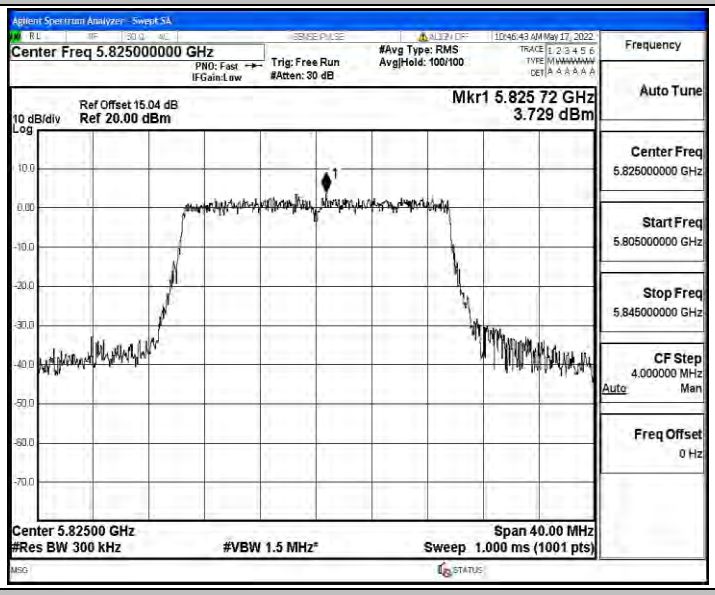
11AX20MIMO_Ant2_5785



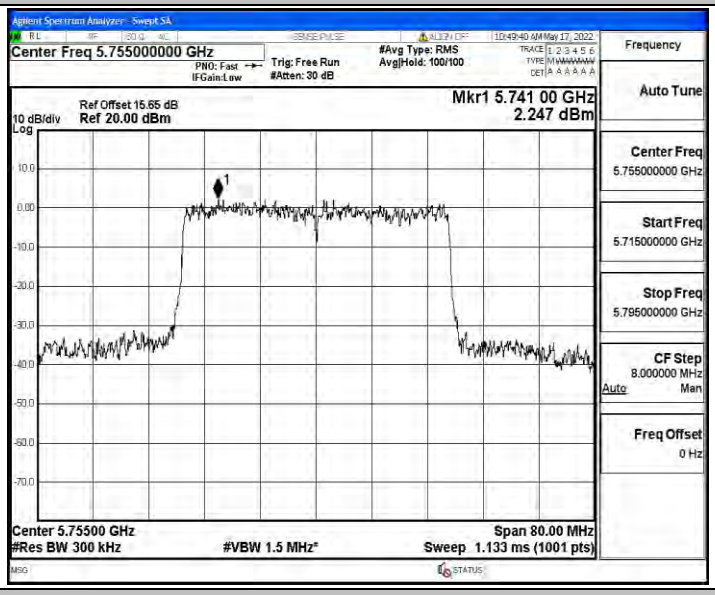
11AX20MIMO_Ant1_5825



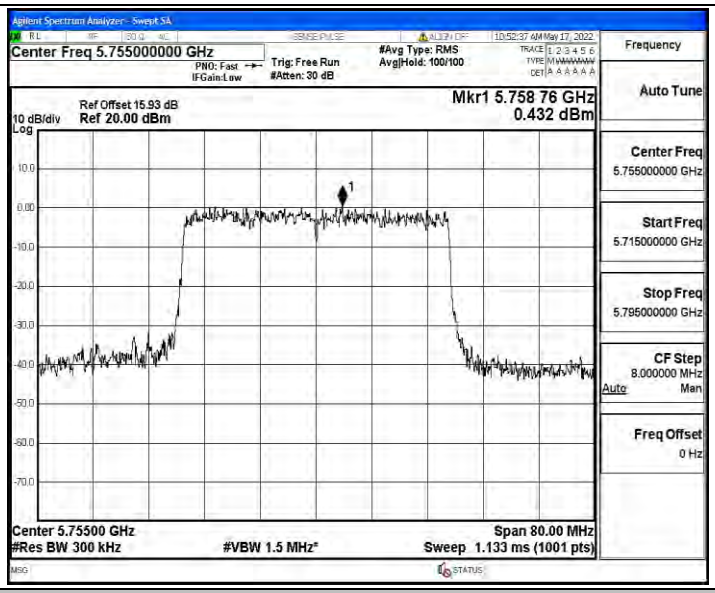
11AX20MIMO_Ant2_5825



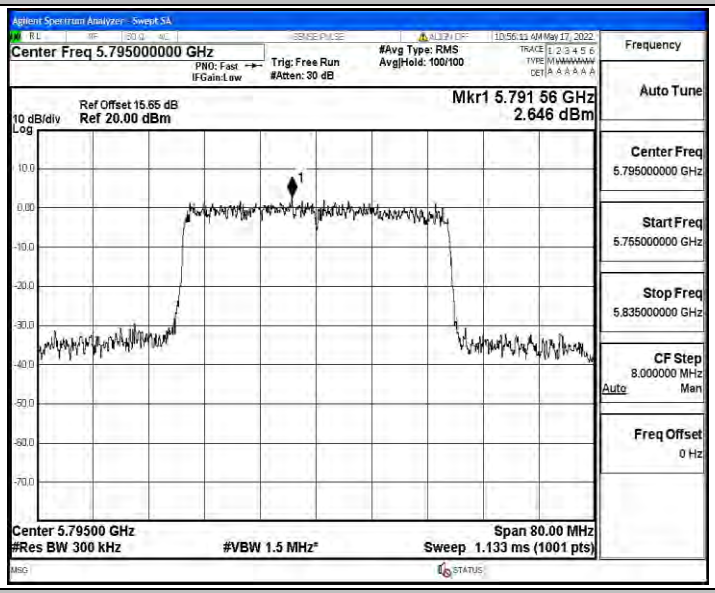
11AX40MIMO_Ant1_5755



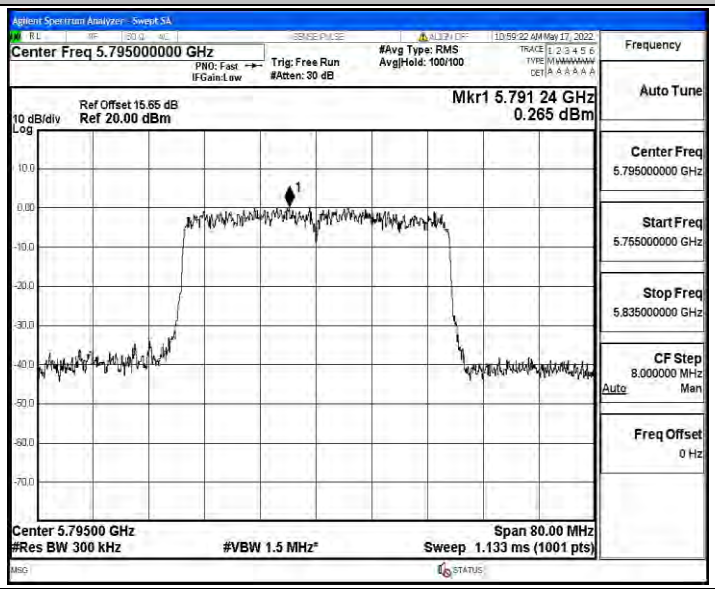
11AX40MIMO_Ant2_5755



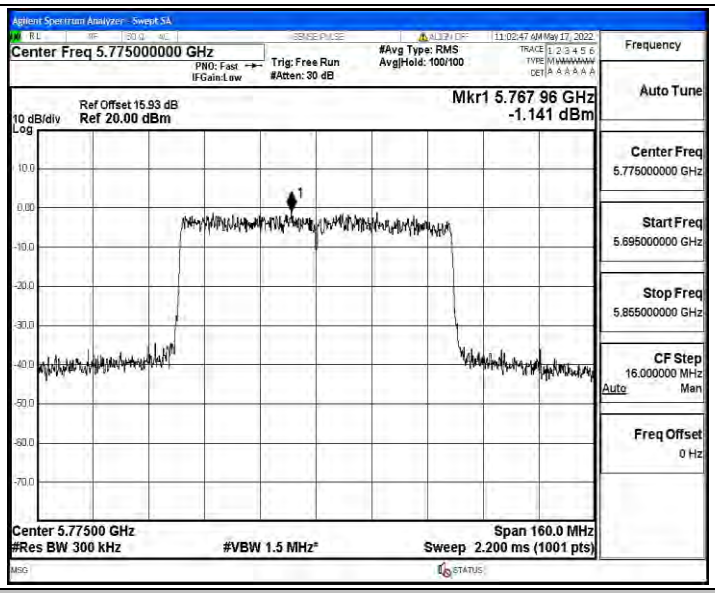
11AX40MIMO_Ant1_5795



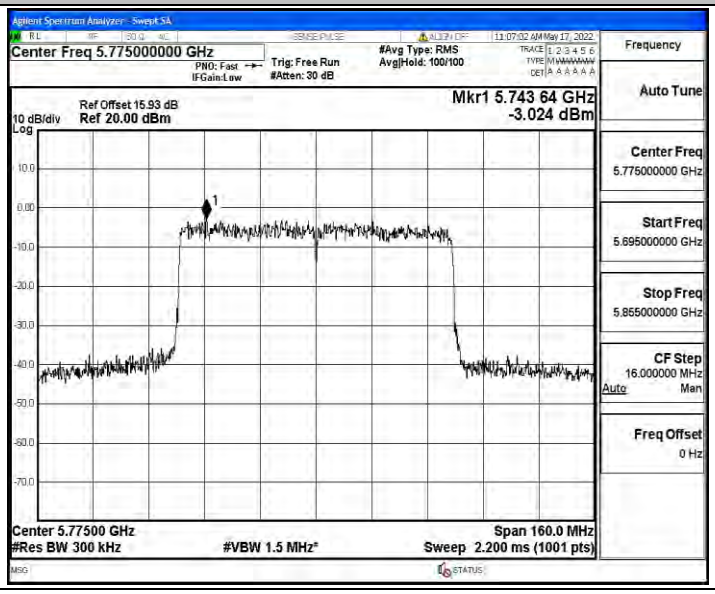
11AX40MIMO_Ant2_5795



11AX80MIMO_Ant1_5775



11AX80MIMO_Ant2_5775



Appendix D: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-42.6	≤5.81	PASS
				5700~5720	-42.67	≤15.18	PASS
				5720~5725	-36.8	≤24.73	PASS
				5760~5650	-45.1	≤-27	PASS
	Ant2	Low	5745	5650~5700	-44.58	≤-22.62	PASS
				5700~5720	-40.91	≤15.01	PASS
				5720~5725	-39.58	≤18.44	PASS
				5760~5650	-46.06	≤-27	PASS
	Ant1	High	5825	5850~5855	-41.92	≤15.79	PASS
				5855~5875	-42.8	≤10.93	PASS
				5875~5925	-43.8	≤-24.46	PASS
				5925~5935	-44.67	≤-27	PASS
	Ant2	High	5825	5850~5855	-43.74	≤19.80	PASS
				5855~5875	-43.51	≤11.87	PASS
				5875~5925	-44.05	≤0.32	PASS
				5925~5935	-45.32	≤-27	PASS
11N20MIMO	Ant1	Low	5745	5650~5700	-44.44	≤1.04	PASS
				5700~5720	-39.22	≤15.59	PASS
				5720~5725	-35.26	≤26.30	PASS
				5760~5650	-45.18	≤-27	PASS
	Ant2	Low	5745	5650~5700	-44.87	≤0.70	PASS
				5700~5720	-42.2	≤15.27	PASS
				5720~5725	-37.7	≤22.63	PASS
				5760~5650	-45.4	≤-27	PASS
	Ant1	High	5825	5850~5855	-38.95	≤15.79	PASS
				5855~5875	-42.56	≤12.03	PASS
				5875~5925	-43.14	≤-20.66	PASS
				5925~5935	-44.79	≤-27	PASS
	Ant2	High	5825	5850~5855	-44.03	≤17.03	PASS
				5855~5875	-43.77	≤12.06	PASS
				5875~5925	-44.31	≤-25.66	PASS
				5925~5935	-44.03	≤-27	PASS
11N40MIMO	Ant1	Low	5755	5650~5700	-40.1	≤8.16	PASS
				5700~5720	-29.83	≤14.90	PASS
				5720~5725	-31.09	≤21.28	PASS
				5780~5650	-45.31	≤-27	PASS
	Ant2	Low	5755	5650~5700	-44.43	≤3.47	PASS

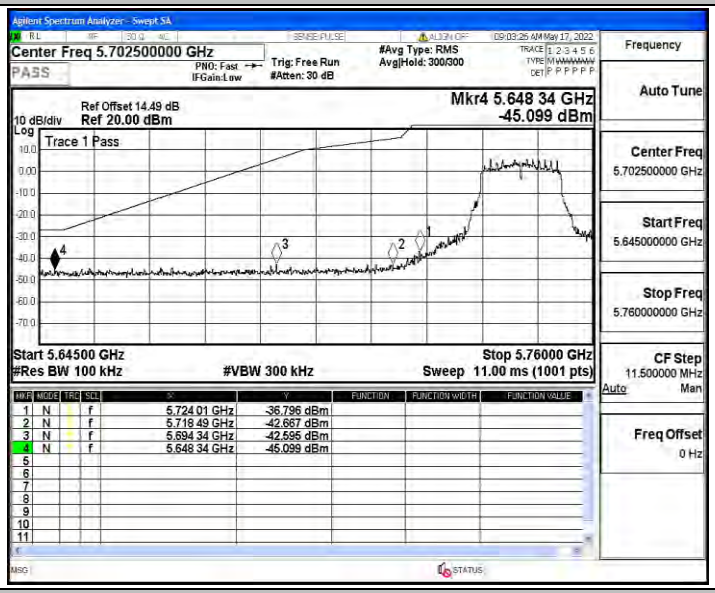
TestMode	Antenna	ChName	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
				5700~5720	-33.71	≤15.35	PASS
				5720~5725	-34.03	≤24.66	PASS
				5780~5650	-44.91	≤-27	PASS
	Ant1	High	5795	5850~5855	-44.17	≤20.92	PASS
				5855~5875	-44.24	≤13.37	PASS
				5875~5925	-43.85	≤-21.06	PASS
				5925~5935	-45.1	≤-27	PASS
	Ant2	High	5795	5850~5855	-44.81	≤16.41	PASS
				5855~5875	-43.99	≤11.06	PASS
				5875~5925	-44	≤-8.24	PASS
				5925~5935	-44.71	≤-27	PASS
11AC20MIMO	Ant1	Low	5745	5650~5700	-43.83	≤-2.70	PASS
				5700~5720	-39.19	≤15.59	PASS
				5720~5725	-35.98	≤21.32	PASS
				5760~5650	-45.94	≤-27	PASS
	Ant2	Low	5745	5650~5700	-43.89	≤9.13	PASS
				5700~5720	-36.96	≤15.18	PASS
				5720~5725	-33.34	≤26.30	PASS
				5760~5650	-46.18	≤-27	PASS
	Ant1	High	5825	5850~5855	-41.14	≤15.79	PASS
				5855~5875	-43.15	≤10.51	PASS
				5875~5925	-43.61	≤-9.27	PASS
				5925~5935	-44.6	≤-27	PASS
	Ant2	High	5825	5850~5855	-42.53	≤15.79	PASS
				5855~5875	-44.12	≤10.55	PASS
				5875~5925	-43.34	≤-26.66	PASS
				5925~5935	-42.92	≤-27	PASS
11AC40MIMO	Ant1	Low	5755	5650~5700	-39.9	≤8.16	PASS
				5700~5720	-29.81	≤14.90	PASS
				5720~5725	-30.81	≤24.05	PASS
				5780~5650	-45.61	≤-27	PASS
	Ant2	Low	5755	5650~5700	-44	≤5.06	PASS
				5700~5720	-33.15	≤14.90	PASS
				5720~5725	-34.33	≤21.28	PASS
				5780~5650	-45.8	≤-27	PASS
	Ant1	High	5795	5850~5855	-44.1	≤22.05	PASS
				5855~5875	-44.36	≤14.34	PASS
				5875~5925	-44.35	≤-8.12	PASS
				5925~5935	-44.89	≤-27	PASS
	Ant2	High	5795	5850~5855	-45.02	≤23.18	PASS
				5855~5875	-44.7	≤12.95	PASS
				5875~5925	-43.78	≤6.04	PASS

TestMode	Antenna	ChName	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
				5925~5935	-44.36	≤-27	PASS
11AC80MIMO	Ant1	Low	5775	5650~5700	-36.27	≤-6.61	PASS
				5700~5720	-34.08	≤14.87	PASS
				5720~5725	-33.33	≤21.30	PASS
				5800~5650	-44.73	≤-27	PASS
		High	5775	5850~5855	-37.19	≤18.32	PASS
				5855~5875	-37.82	≤13.44	PASS
				5875~5925	-43.42	≤4.94	PASS
				5925~5935	-43.52	≤-27	PASS
	Ant2	Low	5775	5650~5700	-39.42	≤9.10	PASS
				5700~5720	-37.53	≤15.04	PASS
				5720~5725	-35.85	≤25.19	PASS
				5800~5650	-44.99	≤-27	PASS
		High	5775	5850~5855	-39.4	≤16.22	PASS
				5855~5875	-40.19	≤12.87	PASS
				5875~5925	-43.64	≤-24.49	PASS
				5925~5935	-44.28	≤-27	PASS
11AX20MIMO	Ant1	Low	5745	5650~5700	-44.82	≤-18.96	PASS
				5700~5720	-41.39	≤15.59	PASS
				5720~5725	-38.1	≤23.68	PASS
				5760~5650	-45.2	≤-27	PASS
	Ant2	Low	5745	5650~5700	-44.55	≤-14.11	PASS
				5700~5720	-43.75	≤15.59	PASS
				5720~5725	-41.42	≤26.04	PASS
				5760~5650	-45.41	≤-27	PASS
	Ant1	High	5825	5850~5855	-38.74	≤16.72	PASS
				5855~5875	-43.38	≤10.63	PASS
				5875~5925	-43.46	≤-24.86	PASS
				5925~5935	-44.73	≤-27	PASS
	Ant2	High	5825	5850~5855	-43.64	≤16.10	PASS
				5855~5875	-44.11	≤13.88	PASS
				5875~5925	-44.5	≤-4.78	PASS
				5925~5935	-43.92	≤-27	PASS
11AX40MIMO	Ant1	Low	5755	5650~5700	-43.72	≤7.26	PASS
				5700~5720	-34.56	≤14.90	PASS
				5720~5725	-35.63	≤17.89	PASS
				5780~5650	-45.02	≤-27	PASS
	Ant2	Low	5755	5650~5700	-44.92	≤3.57	PASS
				5700~5720	-40.4	≤14.56	PASS
				5720~5725	-39.78	≤19.12	PASS
				5780~5650	-45.41	≤-27	PASS
	Ant1	High	5795	5850~5855	-44.32	≤16.41	PASS

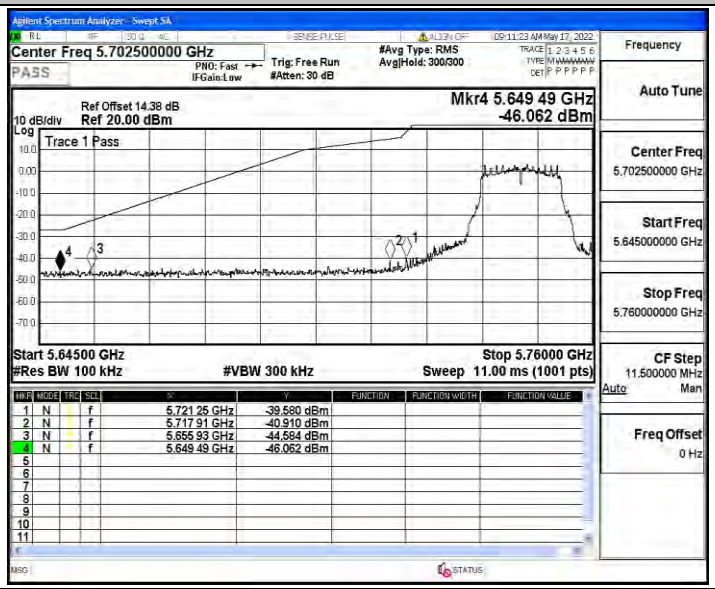
TestMode	Antenna	ChName	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
				5855~5875	-44.43	≤10.36	PASS
				5875~5925	-43.78	≤-26.43	PASS
				5925~5935	-44.94	≤-27	PASS
	Ant2	High	5795	5850~5855	-44.62	≤23.56	PASS
				5855~5875	-44.33	≤11.84	PASS
				5875~5925	-42.68	≤-13.00	PASS
				5925~5935	-44.36	≤-27	PASS
11AX80MIMO	Ant1	Low	5775	5650~5700	-41.18	≤-6.61	PASS
				5700~5720	-40.37	≤13.35	PASS
				5720~5725	-38.87	≤24.13	PASS
				5800~5650	-45.55	≤-27	PASS
		High	5775	5850~5855	-41.09	≤17.06	PASS
				5855~5875	-42.96	≤10.64	PASS
				5875~5925	-44.18	≤-15.18	PASS
				5925~5935	-44.75	≤-27	PASS
	Ant2	Low	5775	5650~5700	-43.09	≤1.87	PASS
				5700~5720	-40.69	≤14.91	PASS
				5720~5725	-41.68	≤24.13	PASS
				5800~5650	-45.72	≤-27	PASS
		High	5775	5850~5855	-42.51	≤18.32	PASS
				5855~5875	-43.53	≤12.98	PASS
				5875~5925	-43.85	≤-7.79	PASS
				5925~5935	-45	≤-27	PASS

Test Graphs

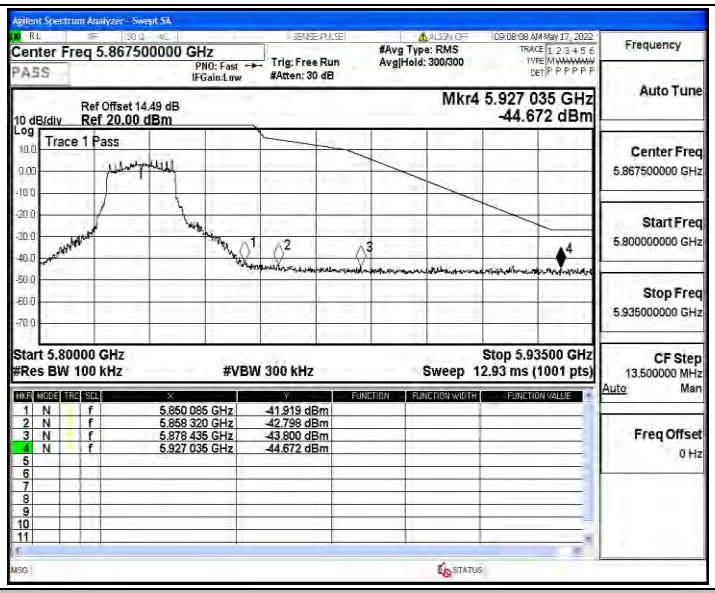
11A_Ant1_Low_5745



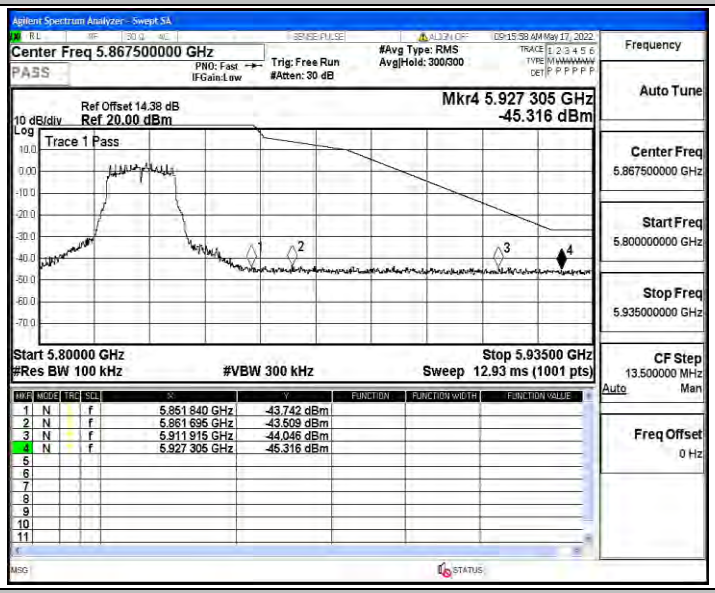
11A_Ant2_Low_5745



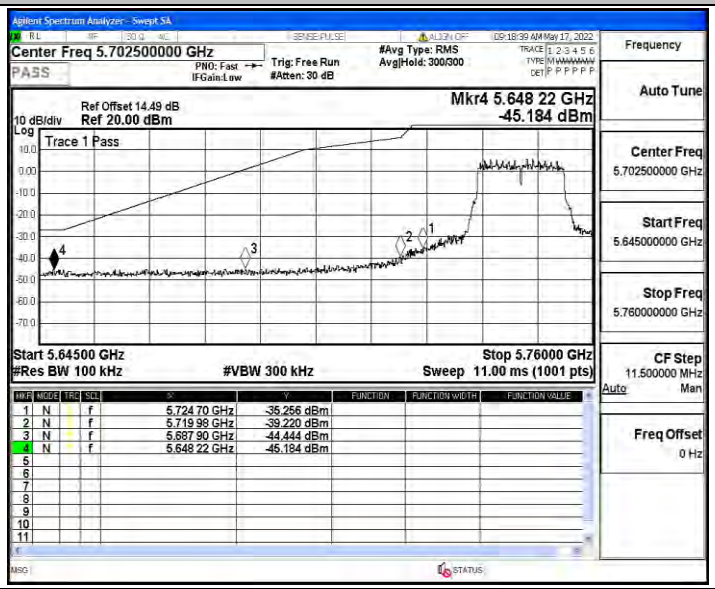
11A_Ant1_High_5825



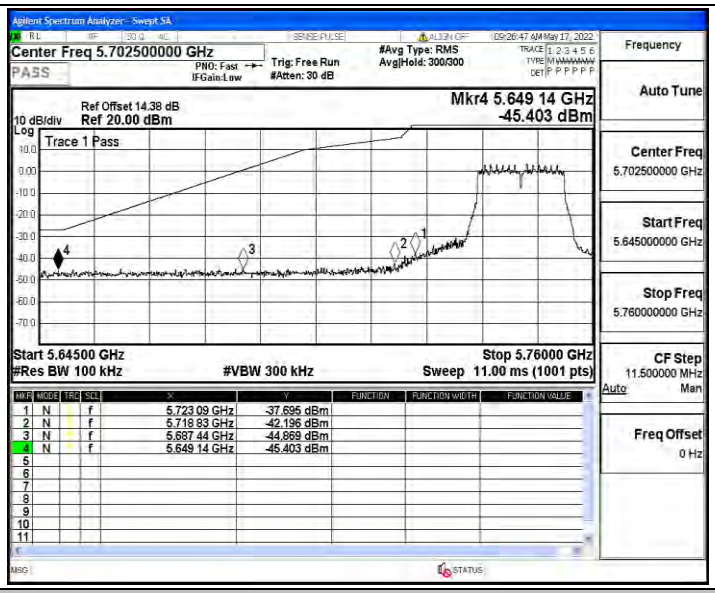
11A_Ant2_High_5825



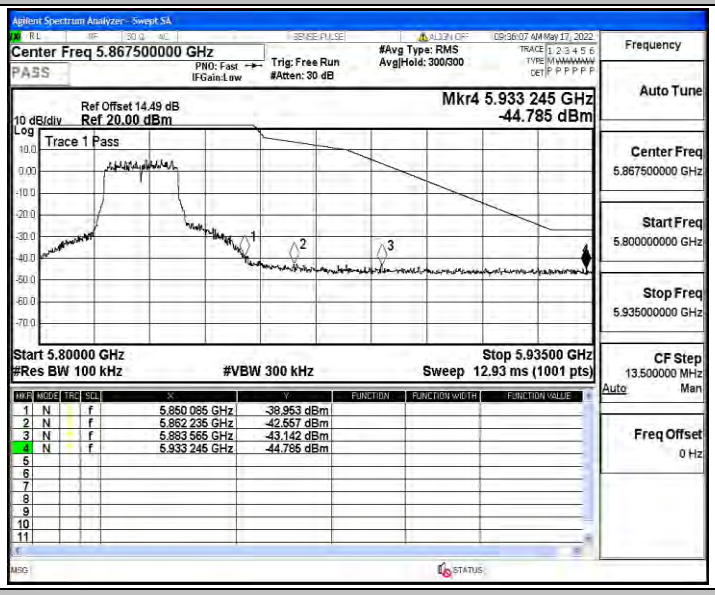
11N20MIMO_Ant1_Low_5745



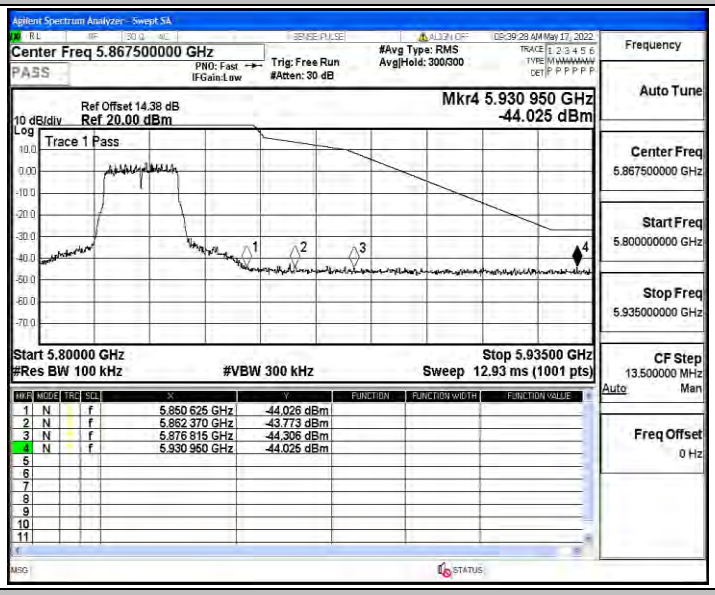
11N20MIMO_Ant2_Low_5745



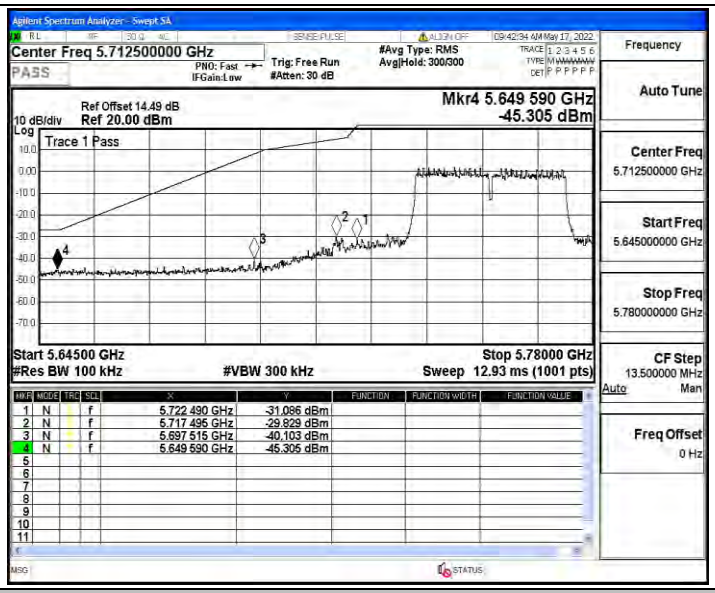
11N20MIMO_Ant1_High_5825



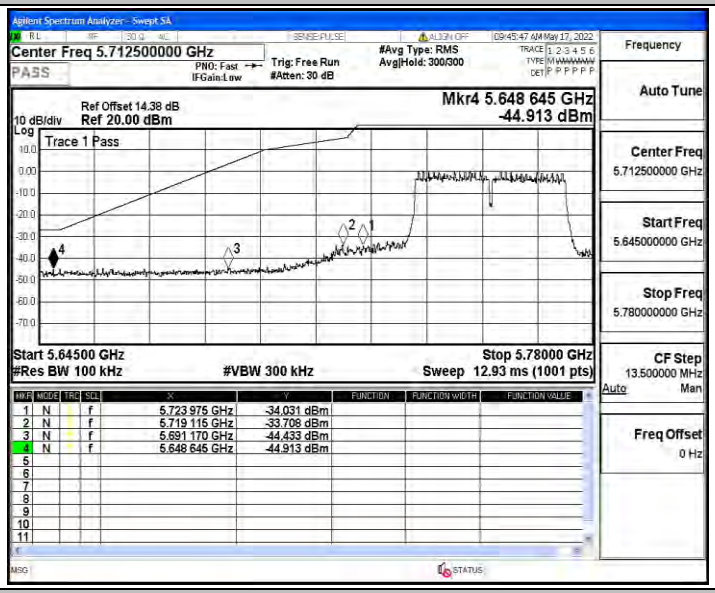
11N20MIMO_Ant2_High_5825



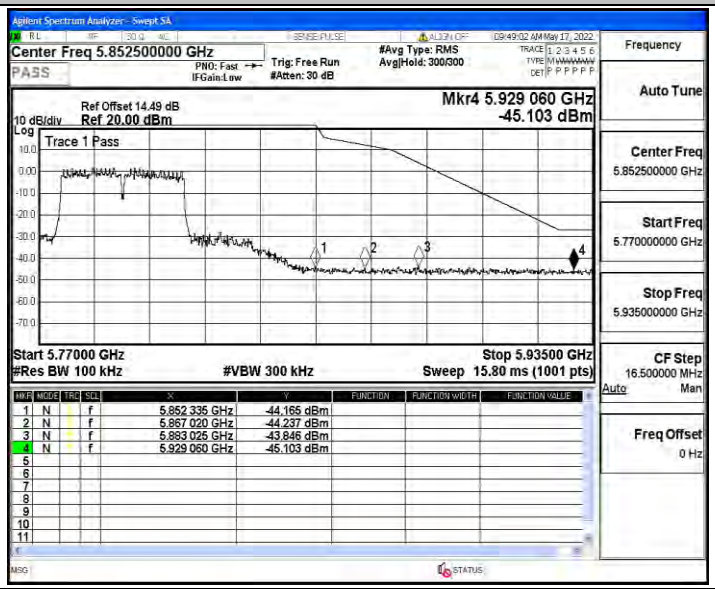
11N40MIMO_Ant1_Low_5755



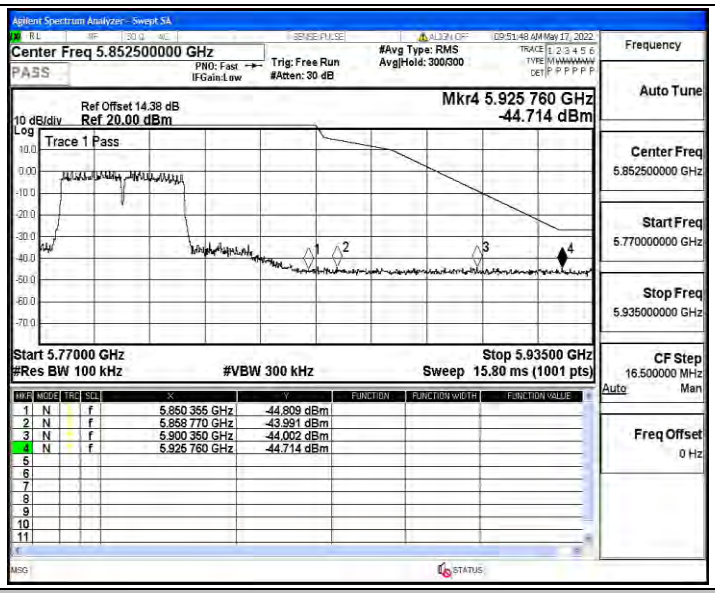
11N40MIMO_Ant2_Low_5755



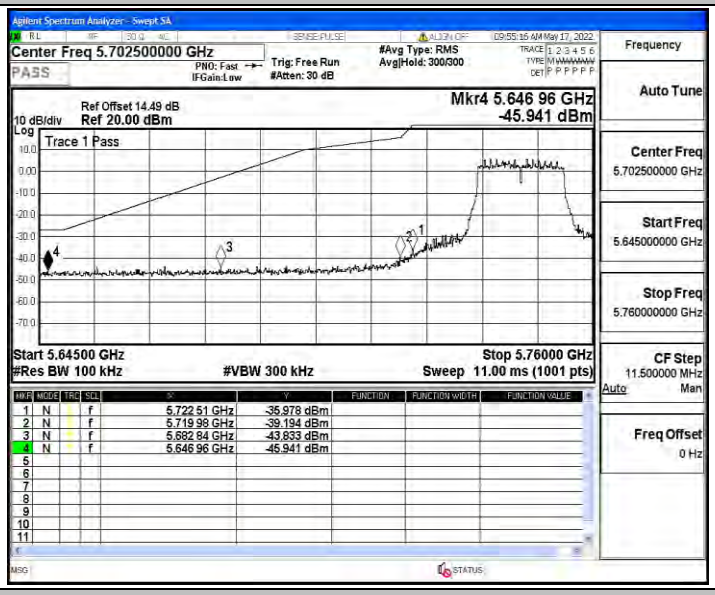
11N40MIMO_Ant1_High_5795



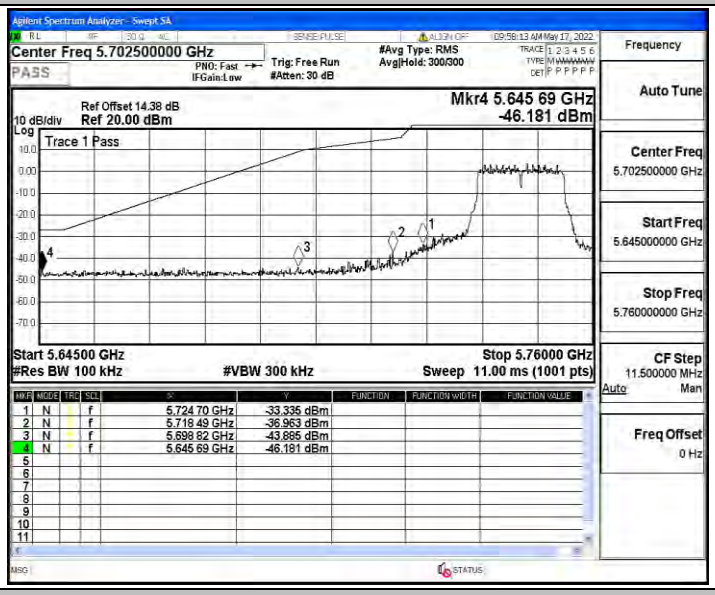
11N40MIMO_Ant2_High_5795



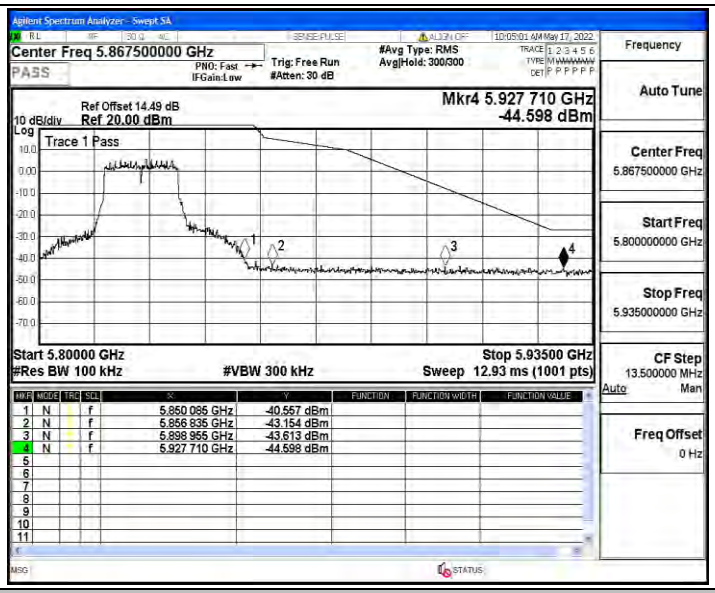
11AC20MIMO_Ant1_Low_5745



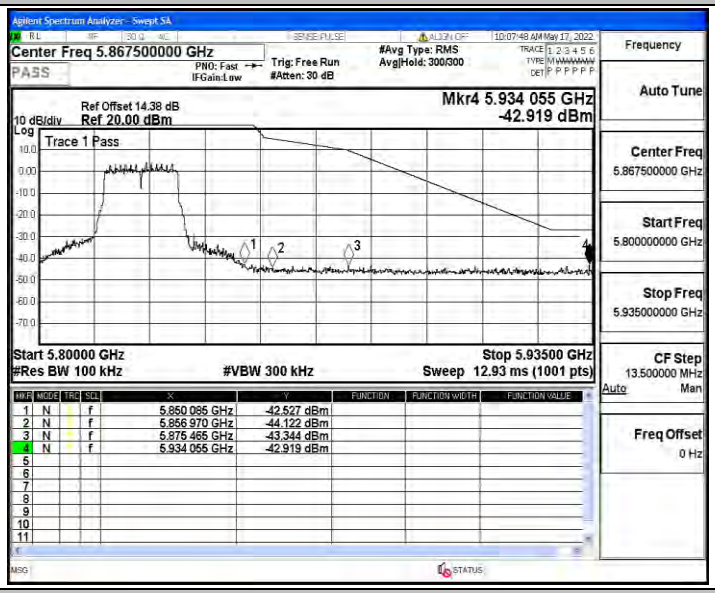
11AC20MIMO_Ant2_Low_5745



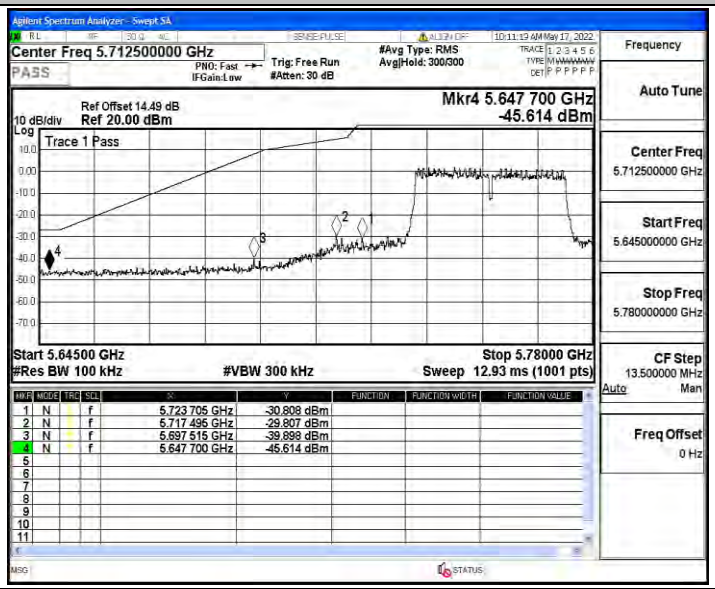
11AC20MIMO_Ant1_High_5825



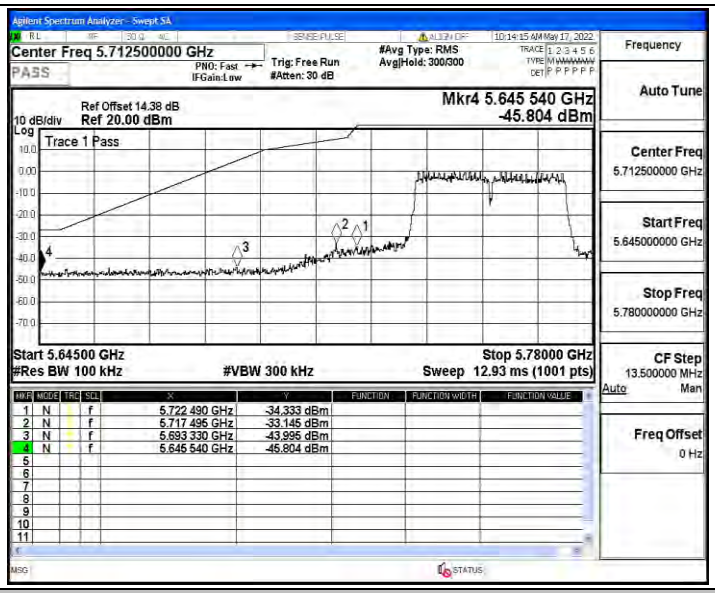
11AC20MIMO_Ant2_High_5825



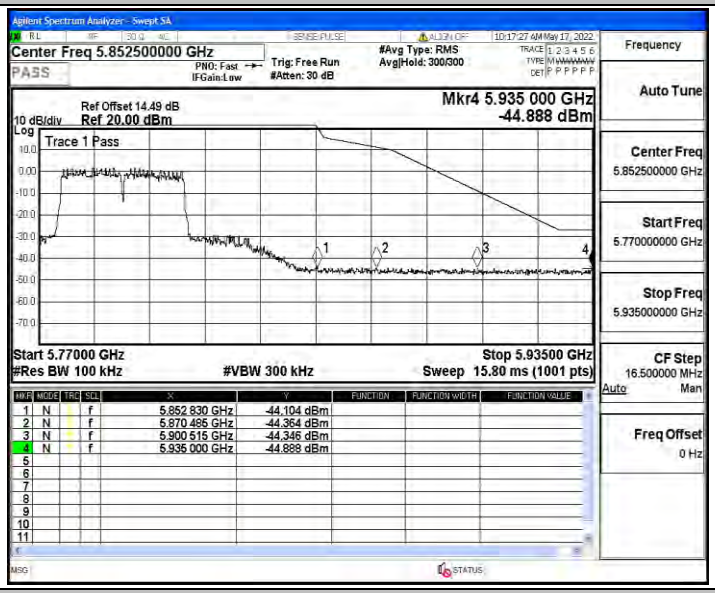
11AC40MIMO_Ant1_Low_5755



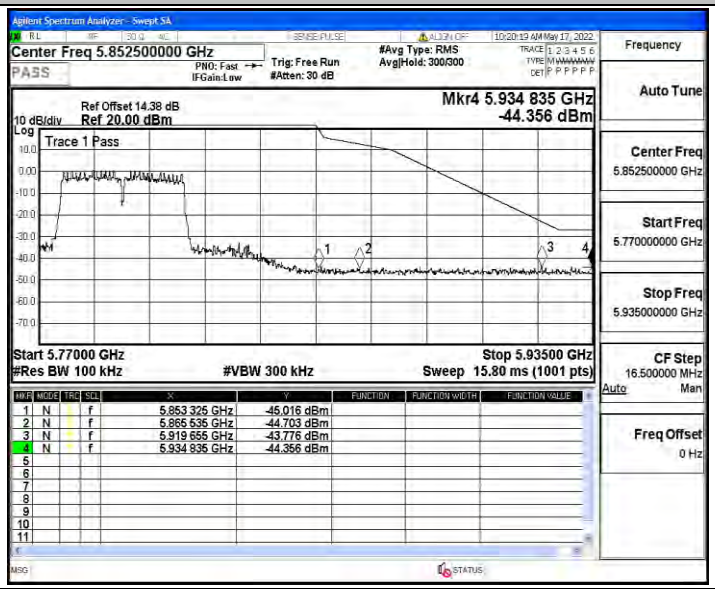
11AC40MIMO_Ant2_Low_5755



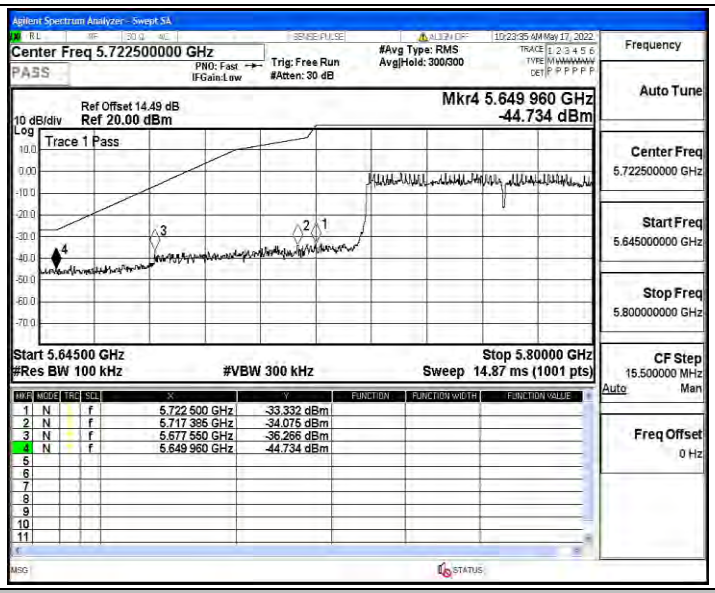
11AC40MIMO_Ant1_High_5795



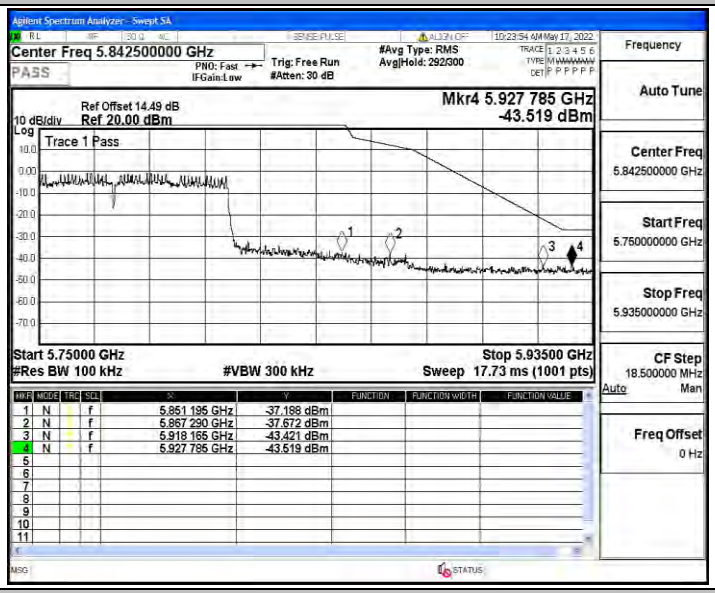
11AC40MIMO_Ant2_High_5795



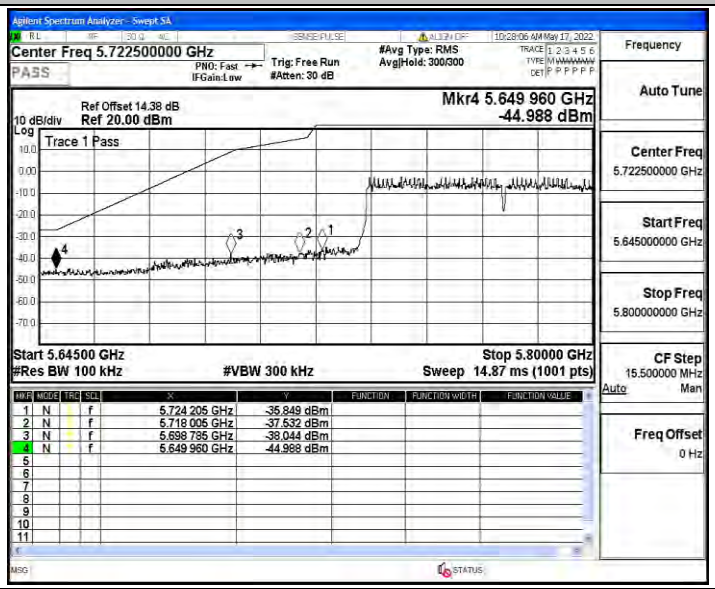
11AC80MIMO_Ant1_Low_5775



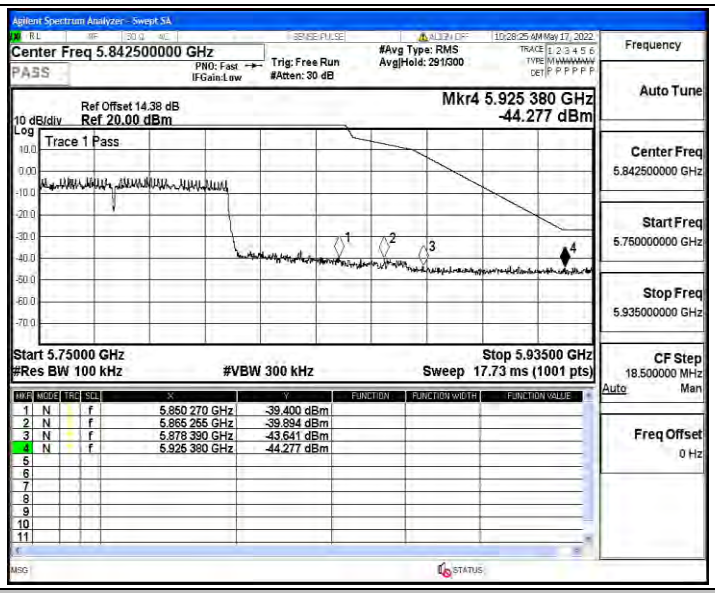
11AC80MIMO_Ant1_High_5775



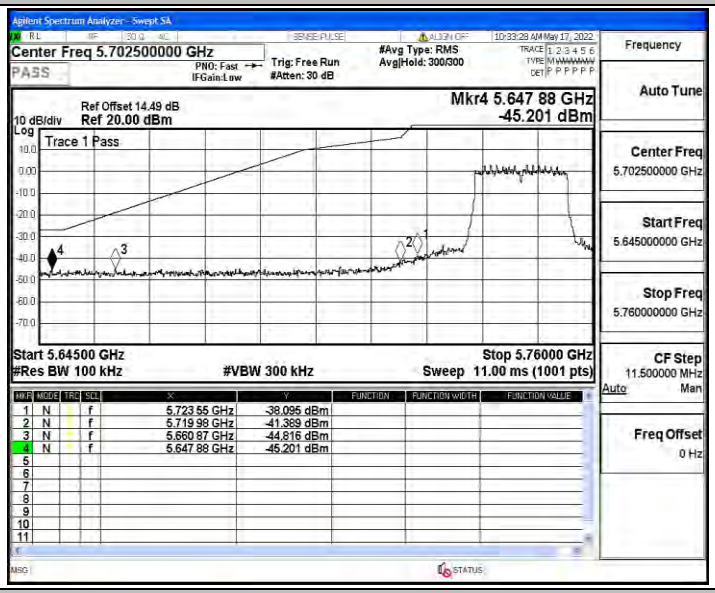
11AC80MIMO_Ant2_Low_5775



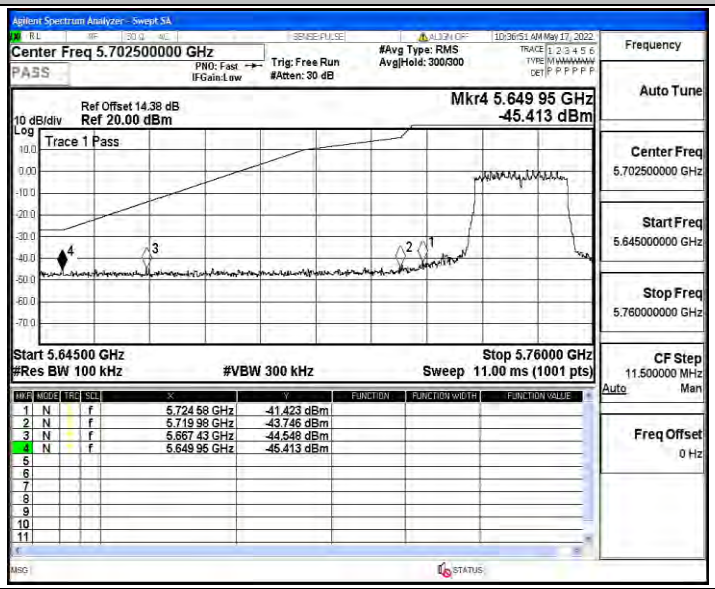
11AC80MIMO_Ant2_High_5775



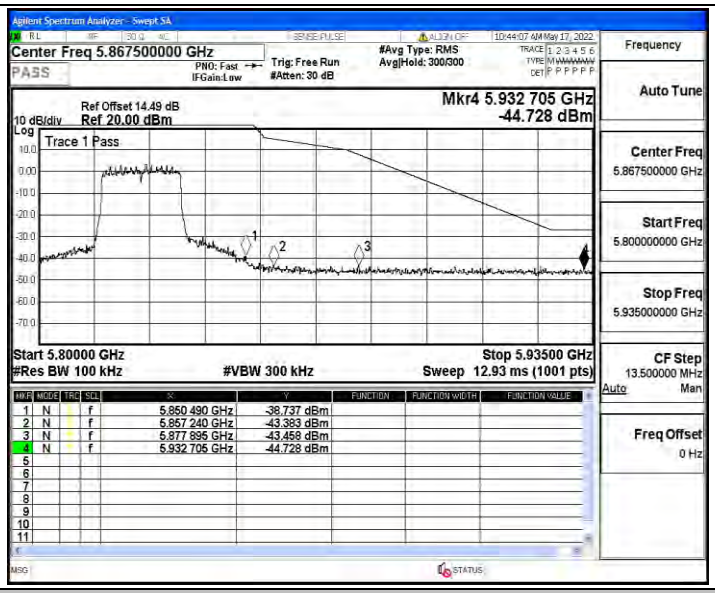
11AX20MIMO_Ant1_Low_5745



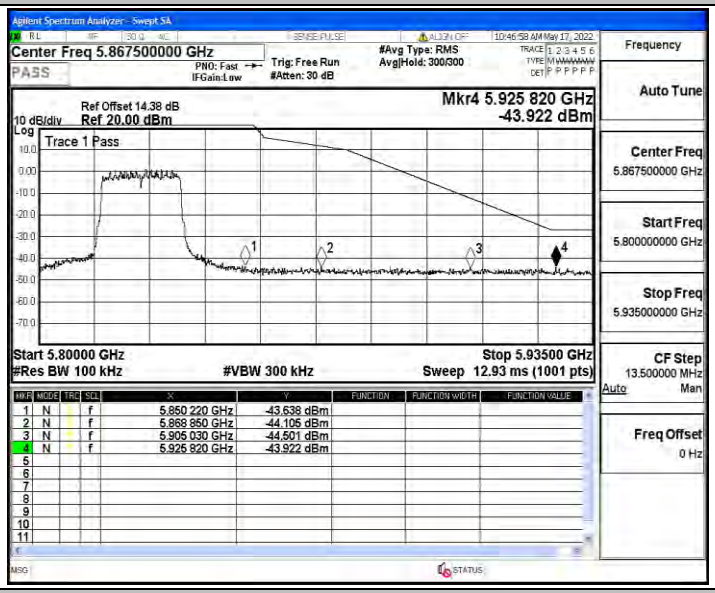
11AX20MIMO_Ant2_Low_5745



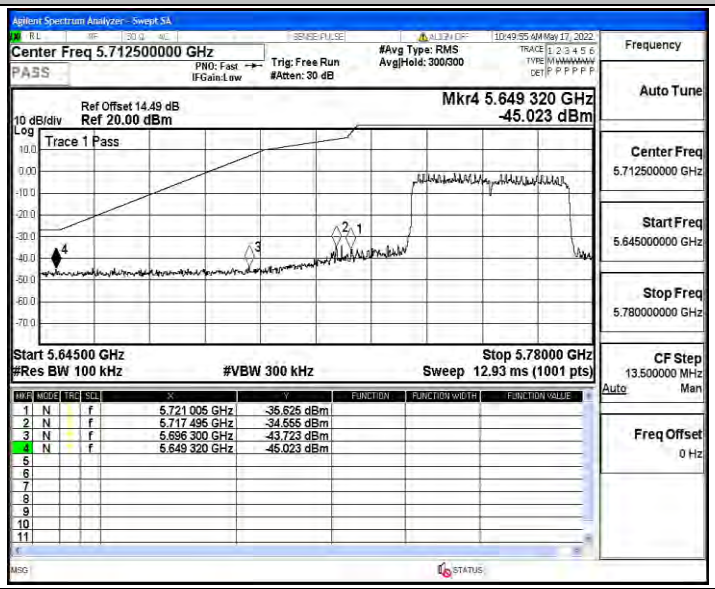
11AX20MIMO_Ant1_High_5825



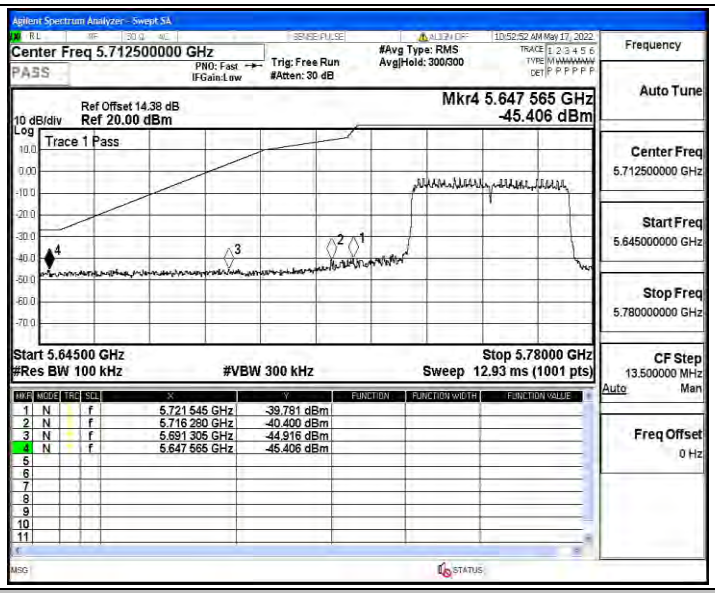
11AX20MIMO_Ant2_High_5825



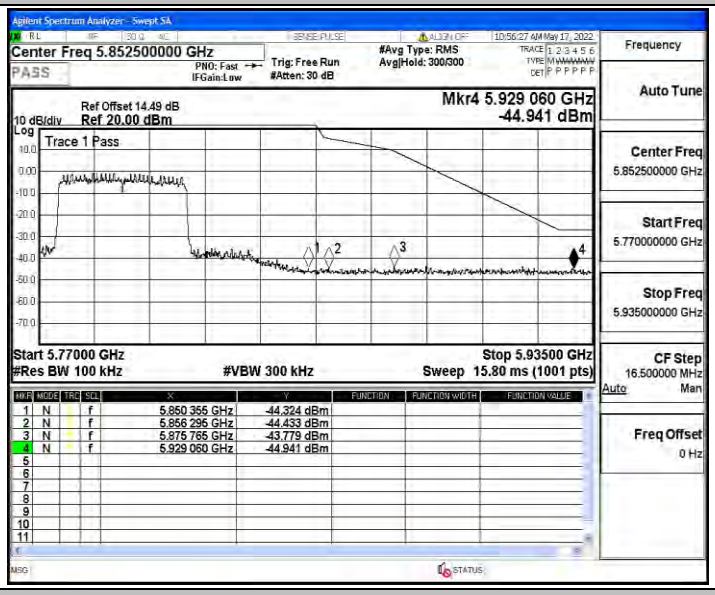
11AX40MIMO_Ant1_Low_5755



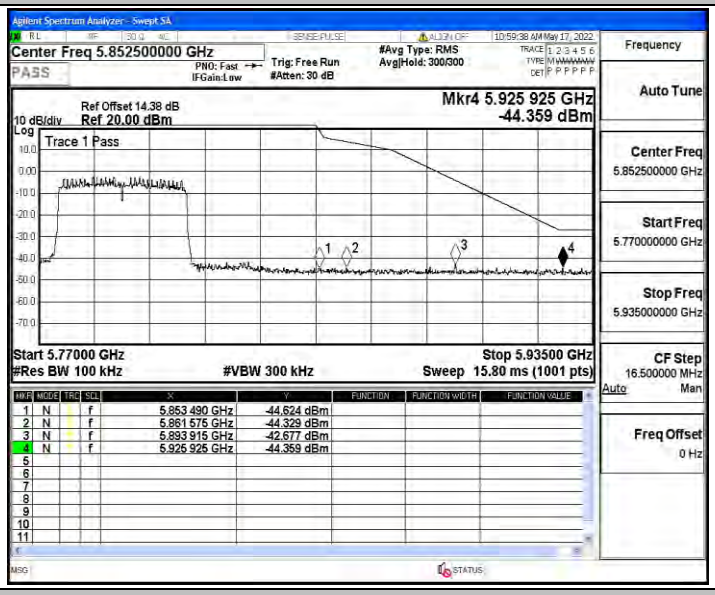
11AX40MIMO_Ant2_Low_5755



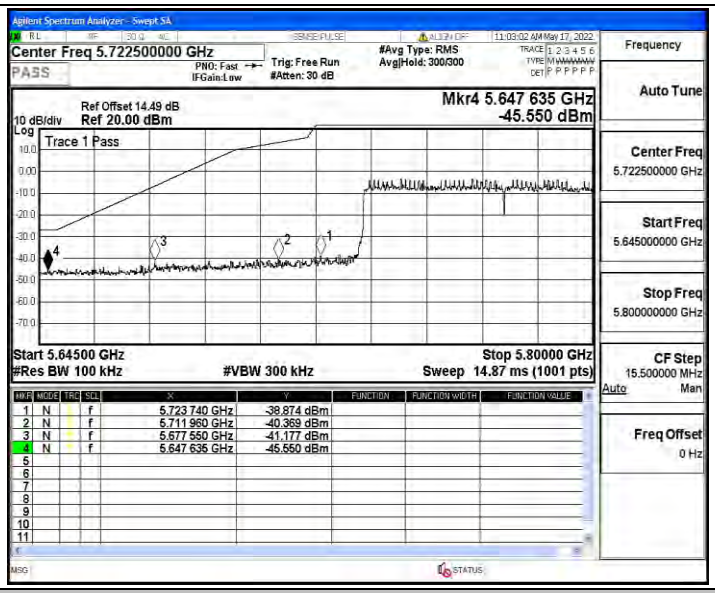
11AX40MIMO_Ant1_High_5795



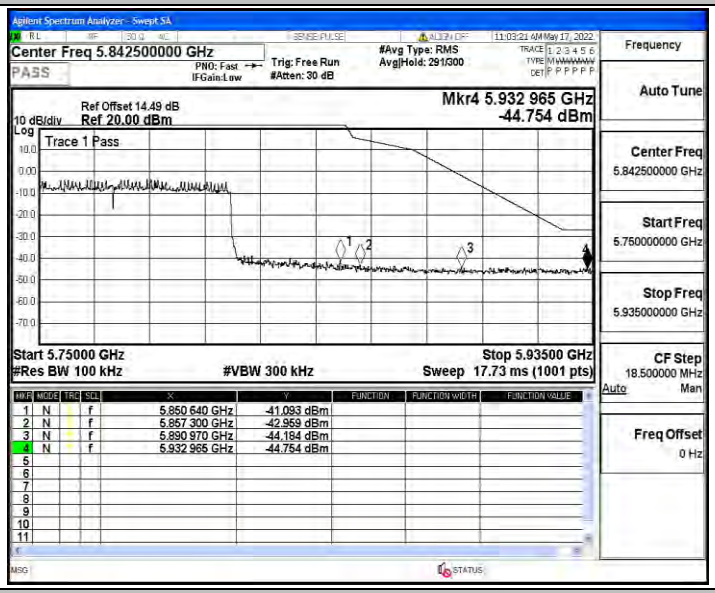
11AX40MIMO_Ant2_High_5795



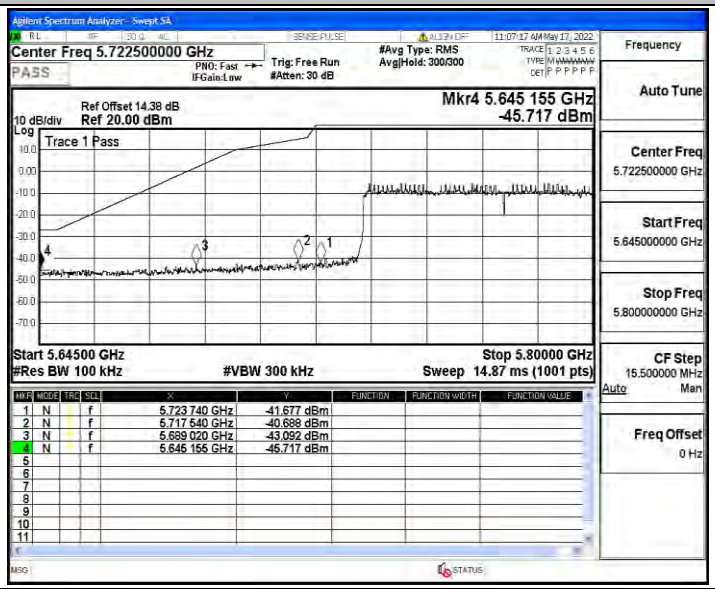
11AX80MIMO_Ant1_Low_5775



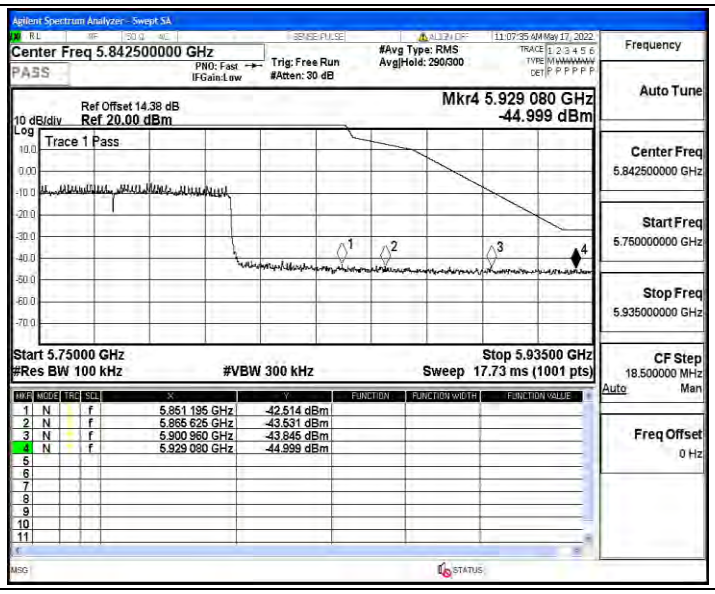
11AX80MIMO_Ant1_High_5775



11AX80MIMO_Ant2_Low_5775



11AX80MIMO_Ant2_High_5775


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.842500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 290/300
11:07:35 AM May 17, 2022
PASS
Ref Offset 14.38 dB
10 dB/div Ref 20.00 dBm
Log
Mkr4 5.929 080 GHz
-44.999 dBm
Trace 1 Pass
Start 5.75000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.93500 GHz
Sweep 17.73 ms (1001 pts)
1 N 1 f 5.851 195 GHz -42.514 dBm
2 N 1 f 5.865 625 GHz -43.531 dBm
3 N 1 f 5.900 960 GHz -43.845 dBm
4 N 1 f 5.929 080 GHz -44.999 dBm
Frequency
Auto Tune
Center Freq
5.842500000 GHz
Start Freq
5.750000000 GHz
Stop Freq
5.935000000 GHz
CF Step
18.500000 MHz
Auto Man
Freq Offset
0 Hz

Appendix E: Frequency Stability

Test Result

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5745	20	132	5744.900978	5745 – 5825	PASS
5745	20	108	5745.041039	5745 – 5825	PASS
5745	50	120	5744.933548	5745 – 5825	PASS
5745	40	120	5745.050945	5745 – 5825	PASS
5745	30	120	5745.009926	5745 – 5825	PASS
5745	20	120	5744.907202	5745 – 5825	PASS
5745	10	120	5745.076732	5745 – 5825	PASS
5745	0	120	5745.084333	5745 – 5825	PASS
5745	-10	120	5744.903159	5745 – 5825	PASS
5745	-20	120	5745.033055	5745 – 5825	PASS
5745	-30	120	5745.059729	5745 – 5825	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5745	20	132	5744.940474	5745 – 5825	PASS
5745	20	108	5744.916013	5745 – 5825	PASS
5745	50	120	5745.005464	5745 – 5825	PASS
5745	40	120	5744.999666	5745 – 5825	PASS
5745	30	120	5744.912172	5745 – 5825	PASS
5745	20	120	5745.005382	5745 – 5825	PASS
5745	10	120	5745.021796	5745 – 5825	PASS
5745	0	120	5744.910254	5745 – 5825	PASS
5745	-10	120	5745.072852	5745 – 5825	PASS
5745	-20	120	5744.909069	5745 – 5825	PASS
5745	-30	120	5744.965065	5745 – 5825	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5785	20	132	5784.918658	5745 – 5825	PASS
5785	20	108	5784.976167	5745 – 5825	PASS
5785	50	120	5785.027551	5745 – 5825	PASS
5785	40	120	5784.962090	5745 – 5825	PASS
5785	30	120	5784.990629	5745 – 5825	PASS
5785	20	120	5784.998354	5745 – 5825	PASS
5785	10	120	5785.012681	5745 – 5825	PASS
5785	0	120	5785.059765	5745 – 5825	PASS
5785	-10	120	5784.912339	5745 – 5825	PASS
5785	-20	120	5785.074352	5745 – 5825	PASS
5785	-30	120	5784.912952	5745 – 5825	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5785	20	132	5785.055904	5745 – 5825	PASS
5785	20	108	5785.023417	5745 – 5825	PASS
5785	50	120	5784.982052	5745 – 5825	PASS
5785	40	120	5785.092825	5745 – 5825	PASS
5785	30	120	5785.091799	5745 – 5825	PASS
5785	20	120	5785.069784	5745 – 5825	PASS
5785	10	120	5784.950614	5745 – 5825	PASS
5785	0	120	5785.077447	5745 – 5825	PASS
5785	-10	120	5785.042768	5745 – 5825	PASS
5785	-20	120	5784.974367	5745 – 5825	PASS
5785	-30	120	5785.003993	5745 – 5825	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5825	20	132	5824.902968	5745 – 5825	PASS
5825	20	108	5824.910994	5745 – 5825	PASS
5825	50	120	5824.955446	5745 – 5825	PASS
5825	40	120	5824.950636	5745 – 5825	PASS
5825	30	120	5824.982370	5745 – 5825	PASS
5825	20	120	5825.085909	5745 – 5825	PASS
5825	10	120	5824.906989	5745 – 5825	PASS
5825	0	120	5825.008848	5745 – 5825	PASS
5825	-10	120	5824.975844	5745 – 5825	PASS
5825	-20	120	5824.953194	5745 – 5825	PASS
5825	-30	120	5825.032182	5745 – 5825	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5825	20	132	5824.940325	5745 – 5825	PASS
5825	20	108	5825.074161	5745 – 5825	PASS
5825	50	120	5825.026472	5745 – 5825	PASS
5825	40	120	5824.983524	5745 – 5825	PASS
5825	30	120	5824.918209	5745 – 5825	PASS
5825	20	120	5825.060073	5745 – 5825	PASS
5825	10	120	5825.005428	5745 – 5825	PASS
5825	0	120	5824.983522	5745 – 5825	PASS
5825	-10	120	5825.083726	5745 – 5825	PASS
5825	-20	120	5824.988826	5745 – 5825	PASS
5825	-30	120	5825.095740	5745 – 5825	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5755	20	132	5755.085781	5745 – 5825	PASS
5755	20	108	5755.018576	5745 – 5825	PASS
5755	50	120	5754.997551	5745 – 5825	PASS
5755	40	120	5755.045244	5745 – 5825	PASS
5755	30	120	5755.005085	5745 – 5825	PASS
5755	20	120	5754.993754	5745 – 5825	PASS
5755	10	120	5755.045784	5745 – 5825	PASS
5755	0	120	5754.938192	5745 – 5825	PASS
5755	-10	120	5755.050014	5745 – 5825	PASS
5755	-20	120	5754.939851	5745 – 5825	PASS
5755	-30	120	5755.084397	5745 – 5825	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5755	20	132	5755.014028	5745 – 5825	PASS
5755	20	108	5755.015417	5745 – 5825	PASS
5755	50	120	5755.008464	5745 – 5825	PASS
5755	40	120	5755.065361	5745 – 5825	PASS
5755	30	120	5754.946955	5745 – 5825	PASS
5755	20	120	5755.040249	5745 – 5825	PASS
5755	10	120	5754.952173	5745 – 5825	PASS
5755	0	120	5754.908350	5745 – 5825	PASS
5755	-10	120	5754.970679	5745 – 5825	PASS
5755	-20	120	5754.976887	5745 – 5825	PASS
5755	-30	120	5755.079372	5745 – 5825	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5795	20	132	5794.976560	5745 – 5825	PASS
5795	20	108	5794.980464	5745 – 5825	PASS
5795	50	120	5795.053547	5745 – 5825	PASS
5795	40	120	5795.071755	5745 – 5825	PASS
5795	30	120	5794.989789	5745 – 5825	PASS
5795	20	120	5794.909062	5745 – 5825	PASS
5795	10	120	5795.070606	5745 – 5825	PASS
5795	0	120	5794.943231	5745 – 5825	PASS
5795	-10	120	5794.943866	5745 – 5825	PASS
5795	-20	120	5795.024793	5745 – 5825	PASS
5795	-30	120	5795.006434	5745 – 5825	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5795	20	132	5794.904908	5745 – 5825	PASS
5795	20	108	5794.998064	5745 – 5825	PASS
5795	50	120	5795.073749	5745 – 5825	PASS
5795	40	120	5794.964862	5745 – 5825	PASS
5795	30	120	5795.096738	5745 – 5825	PASS
5795	20	120	5794.966031	5745 – 5825	PASS
5795	10	120	5794.973044	5745 – 5825	PASS
5795	0	120	5795.007922	5745 – 5825	PASS
5795	-10	120	5795.091900	5745 – 5825	PASS
5795	-20	120	5795.050427	5745 – 5825	PASS
5795	-30	120	5795.051496	5745 – 5825	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5775	20	132	5775.069852	5745 – 5825	PASS
5775	20	108	5774.910218	5745 – 5825	PASS
5775	50	120	5775.038829	5745 – 5825	PASS
5775	40	120	5774.992270	5745 – 5825	PASS
5775	30	120	5774.948452	5745 – 5825	PASS
5775	20	120	5774.953492	5745 – 5825	PASS
5775	10	120	5774.903603	5745 – 5825	PASS
5775	0	120	5774.973904	5745 – 5825	PASS
5775	-10	120	5775.010758	5745 – 5825	PASS
5775	-20	120	5774.908281	5745 – 5825	PASS
5775	-30	120	5775.090681	5745 – 5825	PASS

Ant2

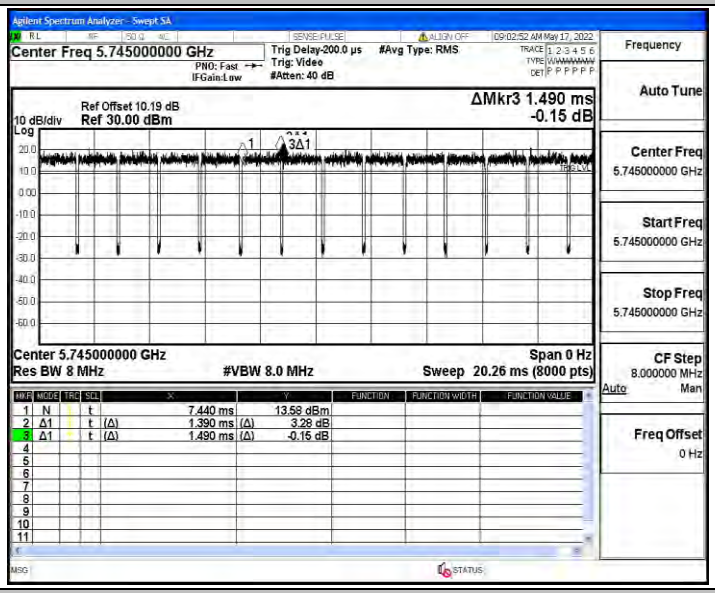
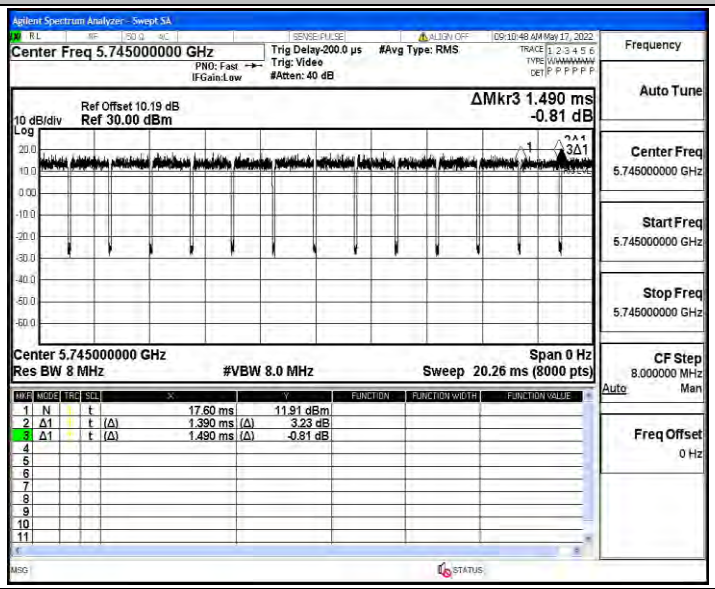
Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5775	20	132	5774.943664	5745 – 5825	PASS
5775	20	108	5775.070948	5745 – 5825	PASS
5775	50	120	5774.948059	5745 – 5825	PASS
5775	40	120	5774.960877	5745 – 5825	PASS
5775	30	120	5774.996562	5745 – 5825	PASS
5775	20	120	5774.907191	5745 – 5825	PASS
5775	10	120	5774.979900	5745 – 5825	PASS
5775	0	120	5775.013251	5745 – 5825	PASS
5775	-10	120	5775.066229	5745 – 5825	PASS
5775	-20	120	5774.993625	5745 – 5825	PASS
5775	-30	120	5775.062617	5745 – 5825	PASS

Appendix F: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T [KHz]
11A	Ant1	5745	1.39	1.49	93.29	0.72
	Ant2	5745	1.39	1.49	93.29	0.72
	Ant1	5785	1.40	1.49	93.96	0.71
	Ant2	5785	1.40	1.50	93.33	0.71
	Ant1	5825	1.40	1.49	93.96	0.71
	Ant2	5825	1.39	1.49	93.29	0.72
11N20MIMO	Ant1	5745	0.16	0.26	61.54	6.25
	Ant2	5745	0.16	0.26	61.54	6.25
	Ant1	5785	0.17	0.27	62.96	5.88
	Ant2	5785	0.17	0.27	62.96	5.88
	Ant1	5825	0.16	0.26	61.54	6.25
	Ant2	5825	0.16	0.26	61.54	6.25
11N40MIMO	Ant1	5755	0.10	0.20	50.00	10.00
	Ant2	5755	0.10	0.20	50.00	10.00
	Ant1	5795	0.10	0.20	50.00	10.00
	Ant2	5795	0.10	0.20	50.00	10.00
11AC20MIMO	Ant1	5745	0.36	0.46	78.26	2.78
	Ant2	5745	0.36	0.46	78.26	2.78
	Ant1	5785	0.36	0.46	78.26	2.78
	Ant2	5785	0.36	0.46	78.26	2.78
	Ant1	5825	0.36	0.46	78.26	2.78
	Ant2	5825	0.36	0.46	78.26	2.78
11AC40MIMO	Ant1	5755	0.09	0.19	47.37	11.11
	Ant2	5755	0.09	0.19	47.37	11.11
	Ant1	5795	0.09	0.19	47.37	11.11
	Ant2	5795	0.09	0.19	47.37	11.11
11AC80MIMO	Ant1	5775	0.07	0.17	41.18	14.29
	Ant2	5775	0.07	0.17	41.18	14.29
11AX20MIMO	Ant1	5745	0.11	0.21	52.38	9.09
	Ant2	5745	0.12	0.22	54.55	8.33
	Ant1	5785	0.12	0.22	54.55	8.33
	Ant2	5785	0.12	0.22	54.55	8.33
	Ant1	5825	0.12	0.22	54.55	8.33
	Ant2	5825	0.12	0.22	54.55	8.33
11AX40MIMO	Ant1	5755	0.09	0.19	47.37	11.11
	Ant2	5755	0.08	0.18	44.44	12.50
	Ant1	5795	0.09	0.19	47.37	11.11
	Ant2	5795	0.09	0.19	47.37	11.11
11AX80MIMO	Ant1	5775	0.08	0.18	44.44	12.50
	Ant2	5775	0.08	0.18	44.44	12.50

Test Graphs

11A_Ant1_5745

11A_Ant2_5745

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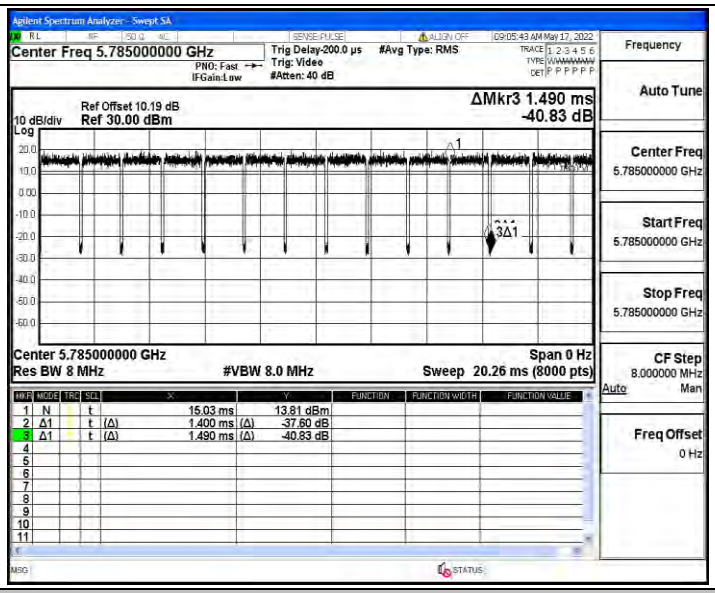

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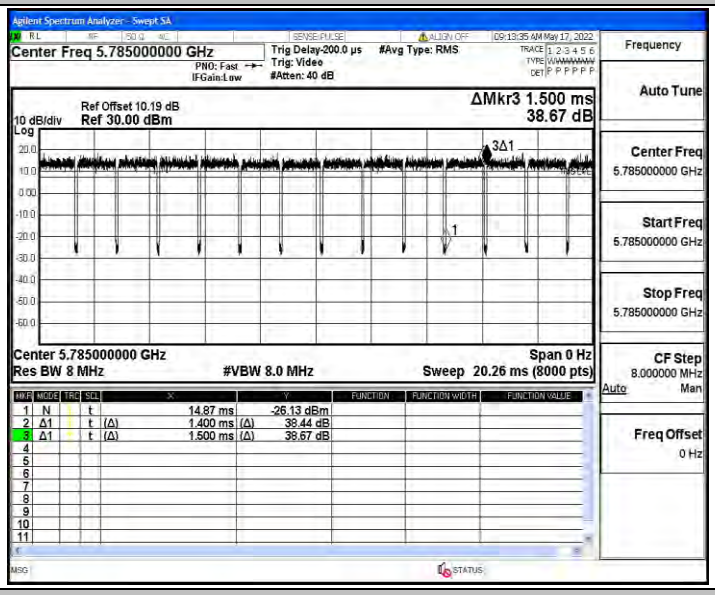
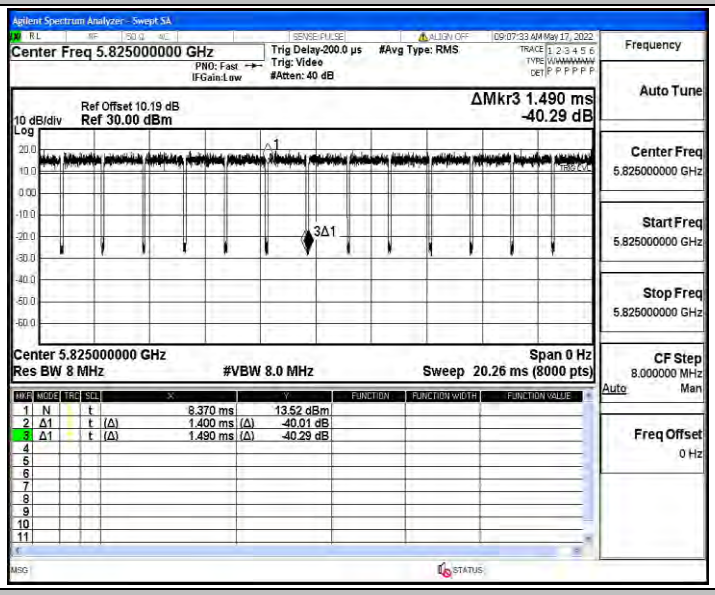


11A_Ant1_5825



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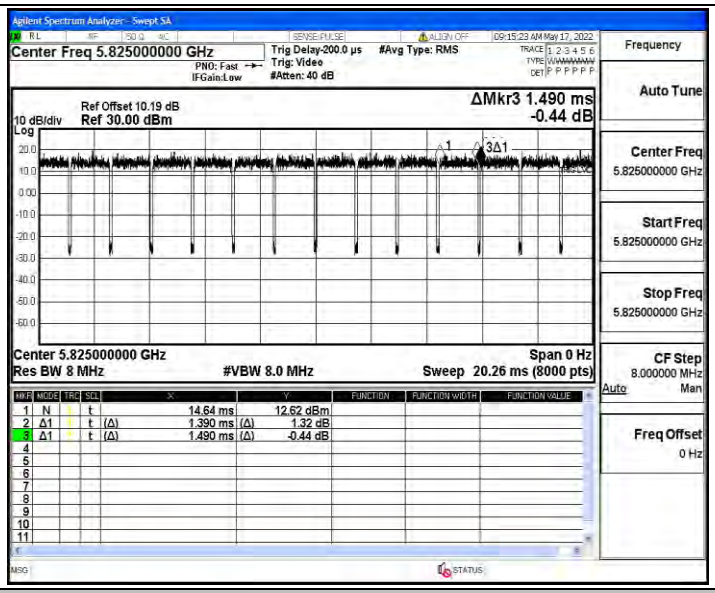

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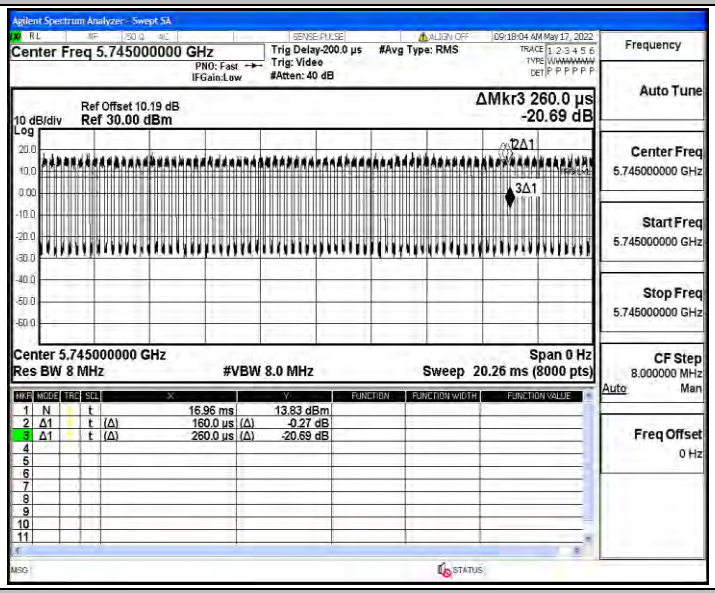

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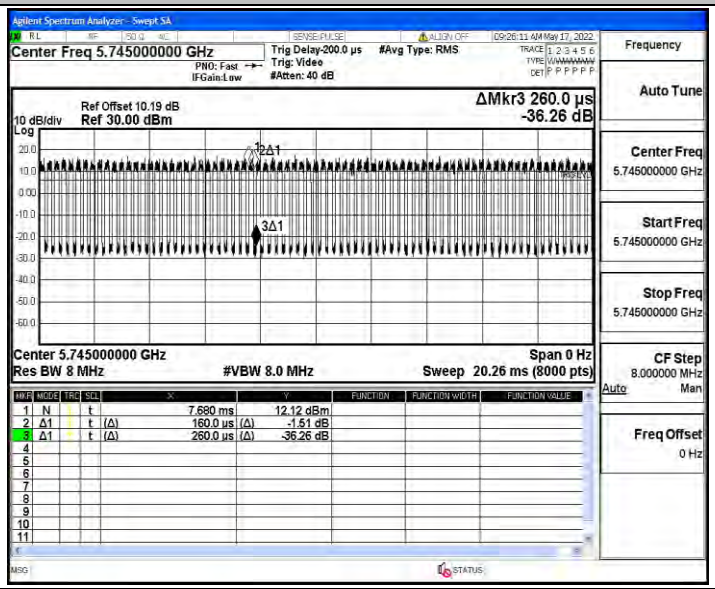

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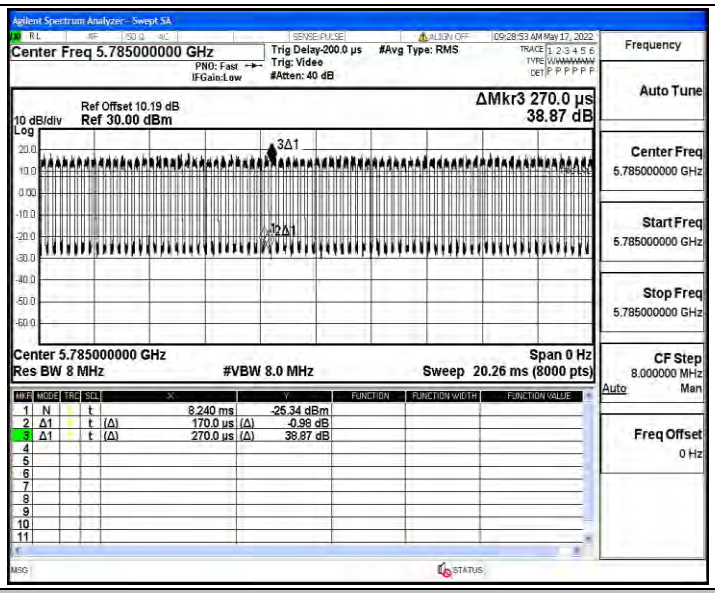

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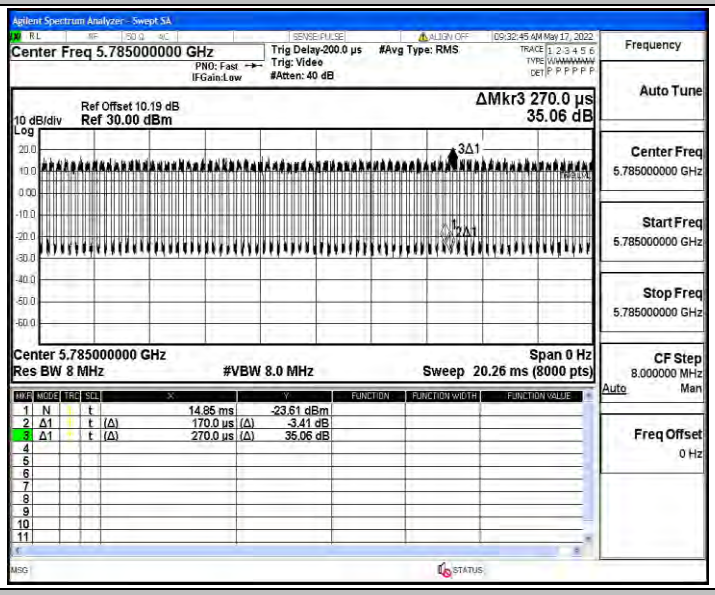

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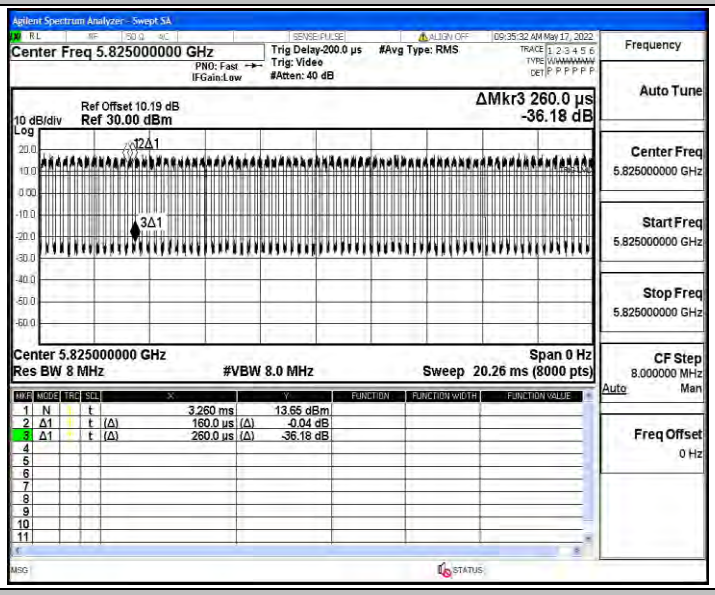

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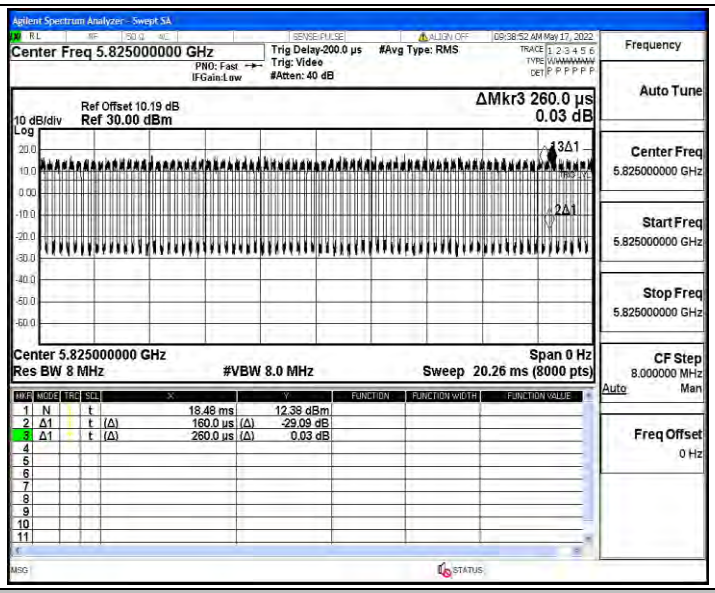

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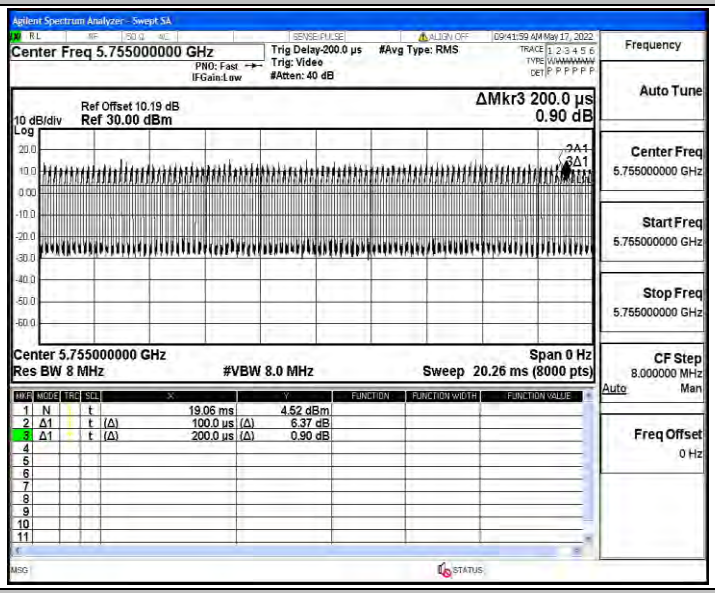

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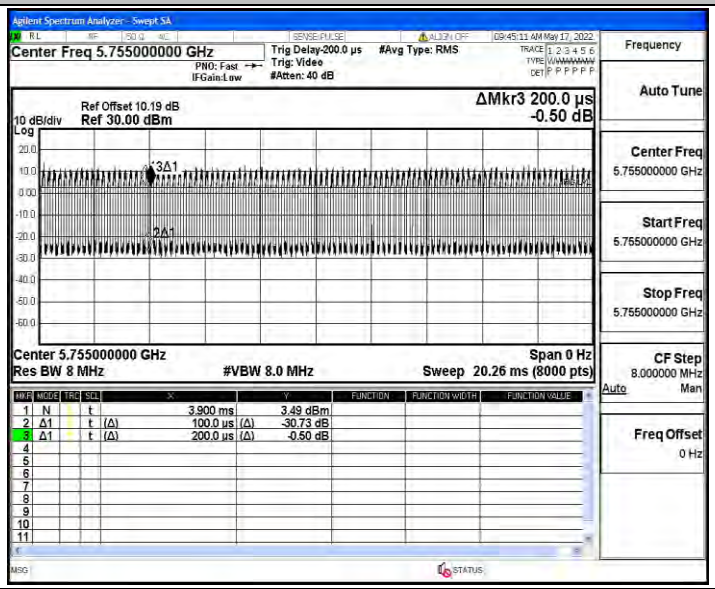

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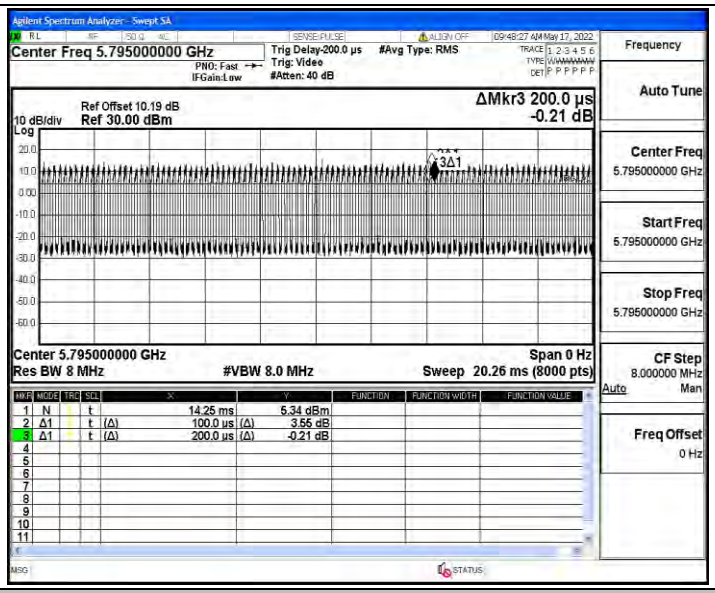

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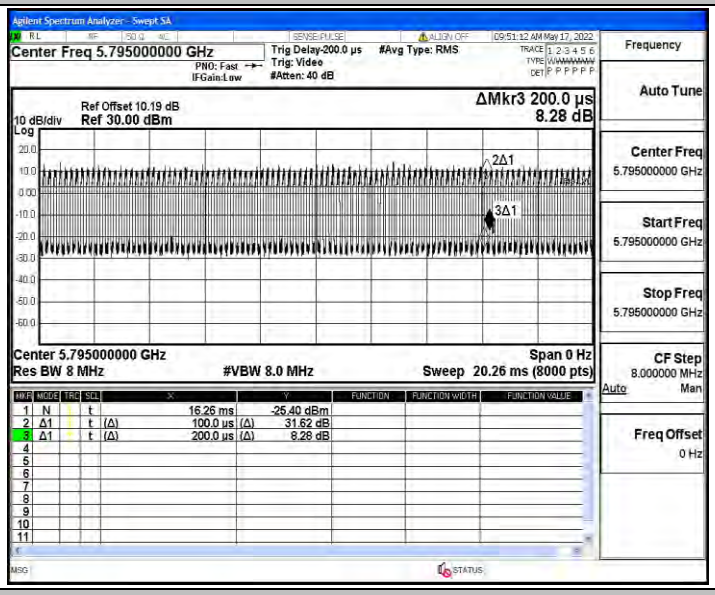

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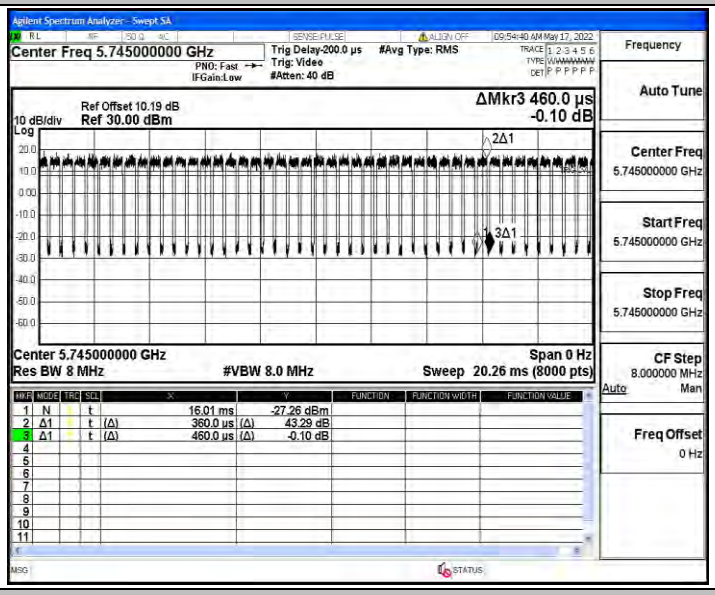

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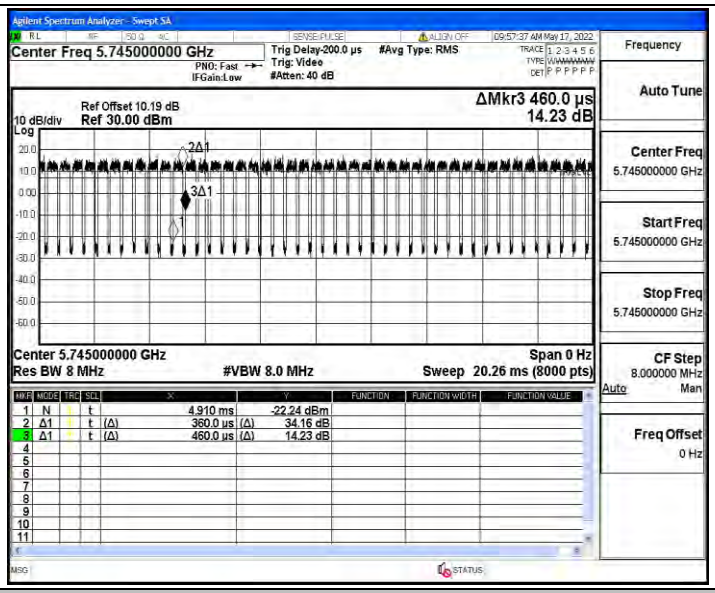

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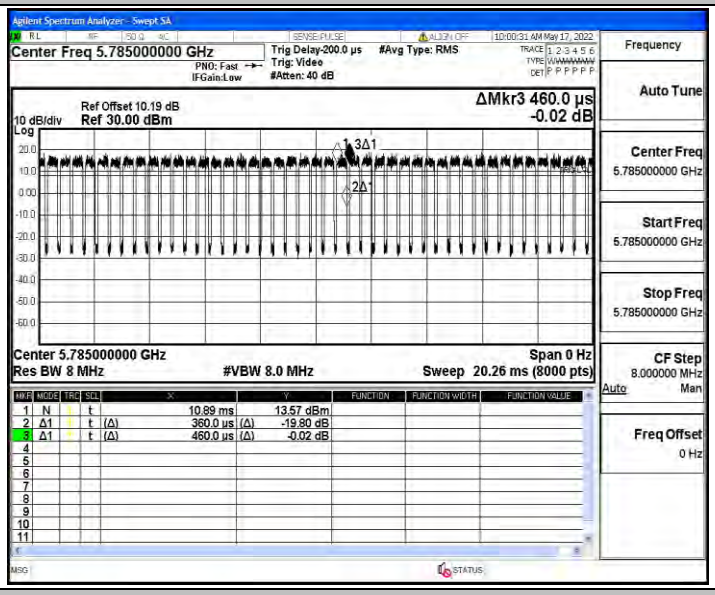

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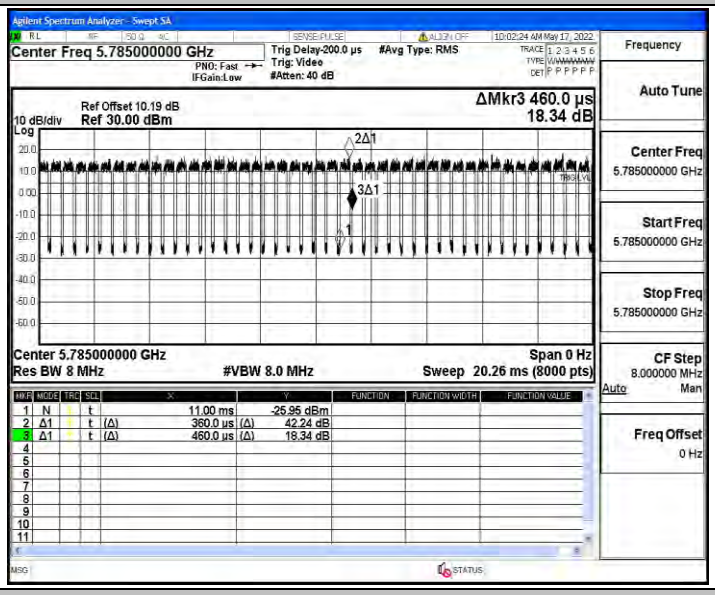

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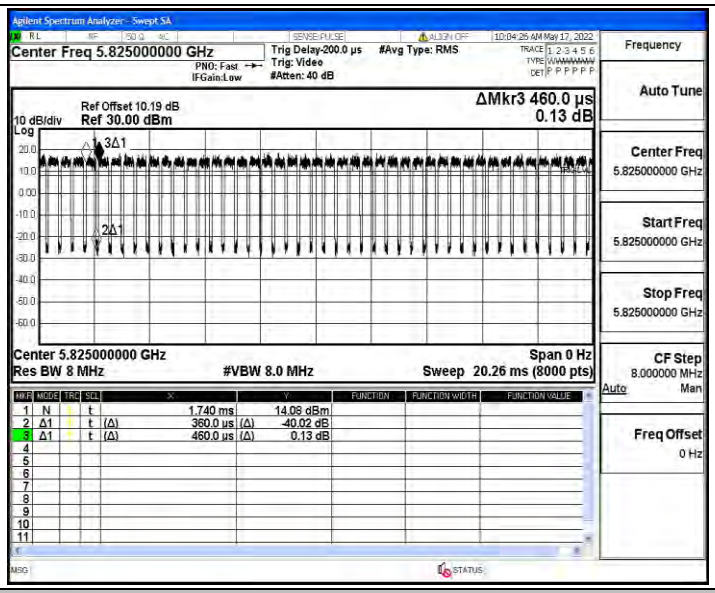

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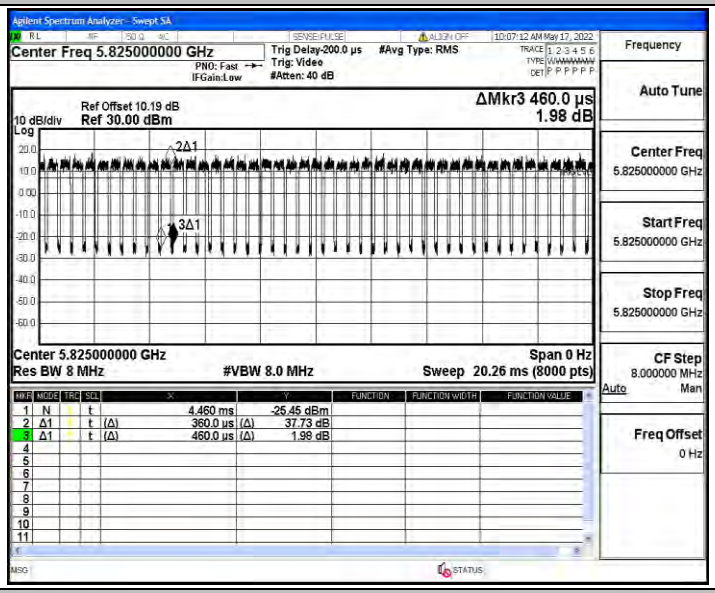

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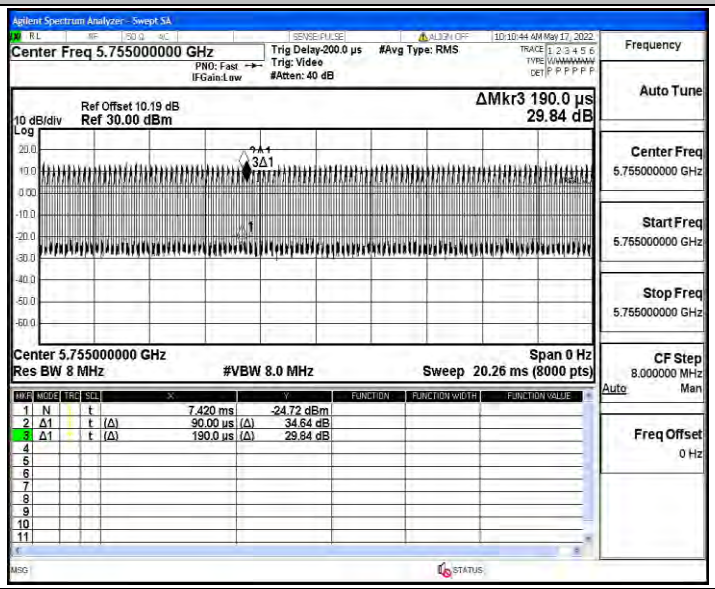

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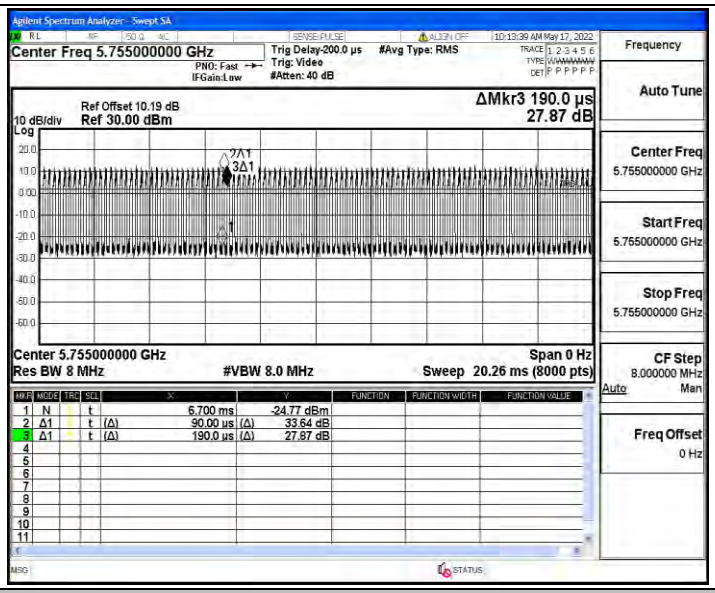

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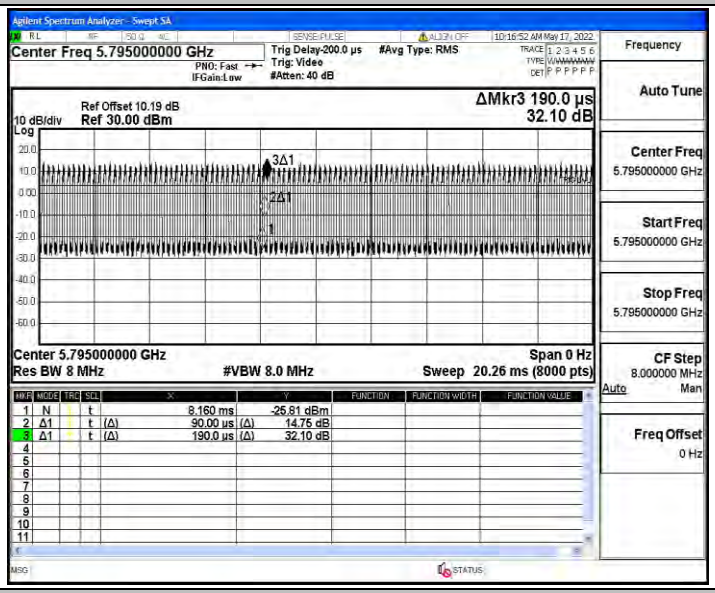

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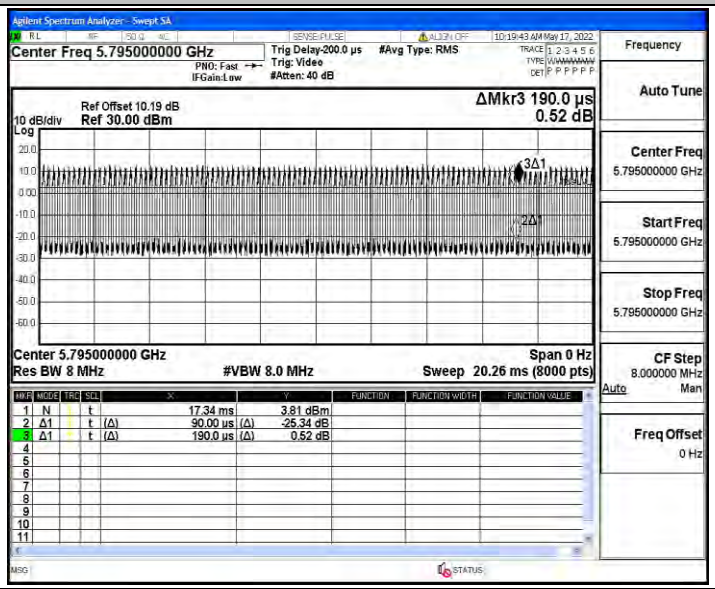

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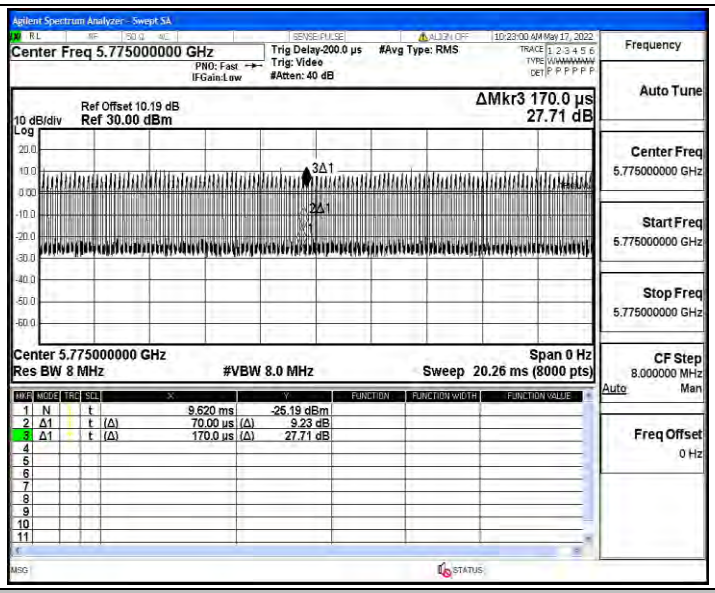

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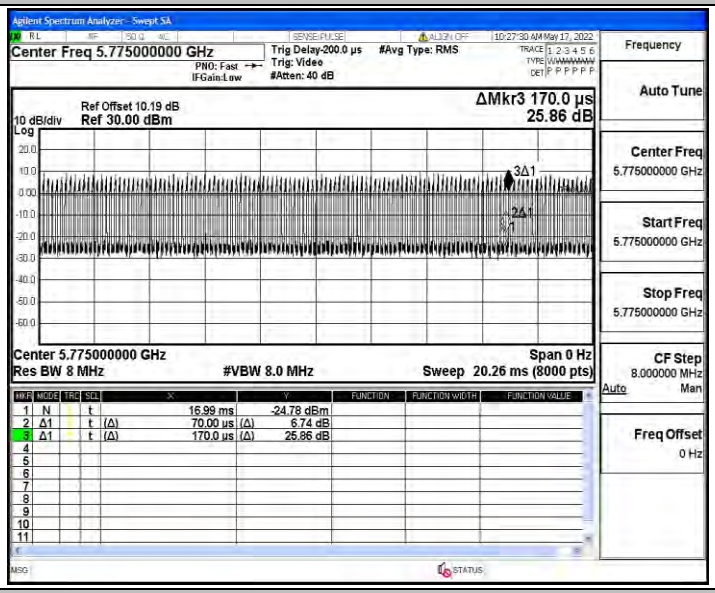

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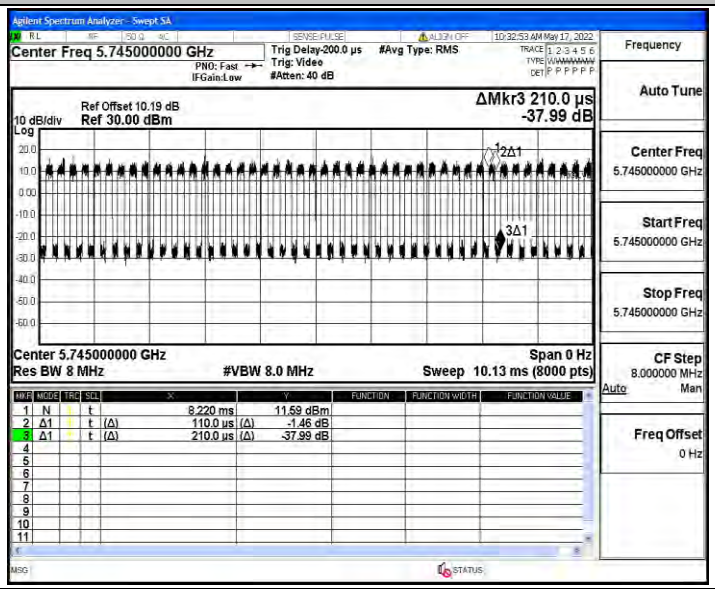

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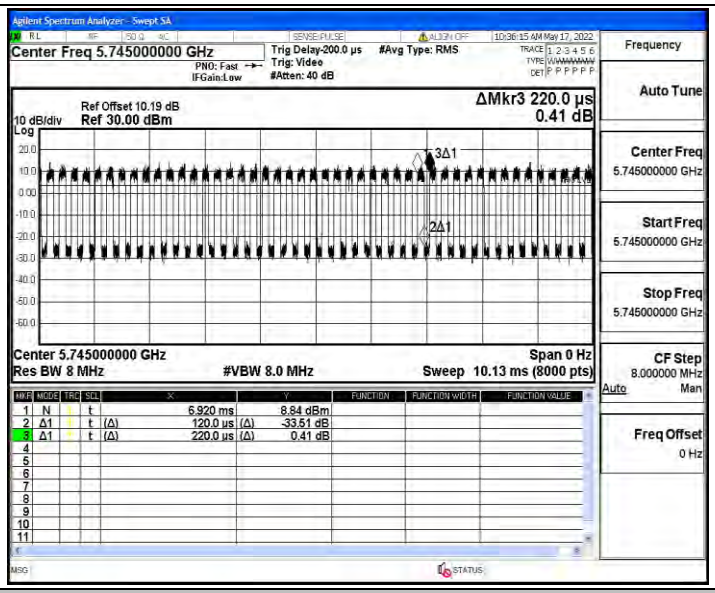

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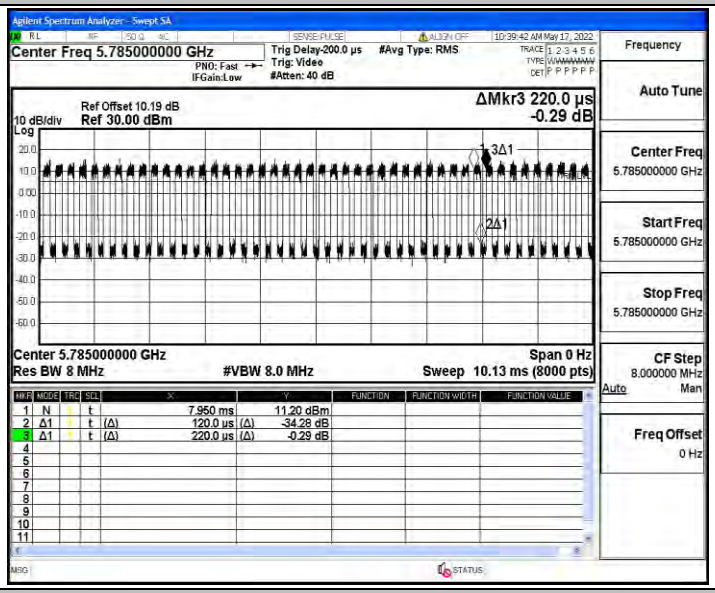

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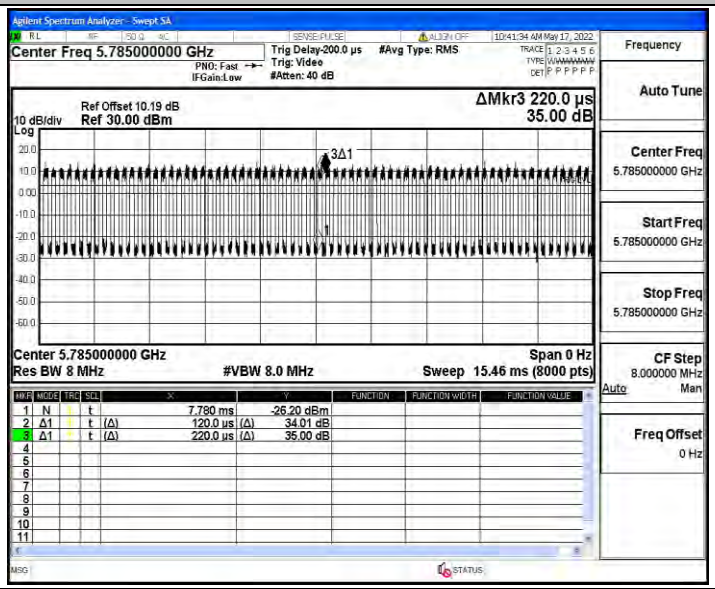

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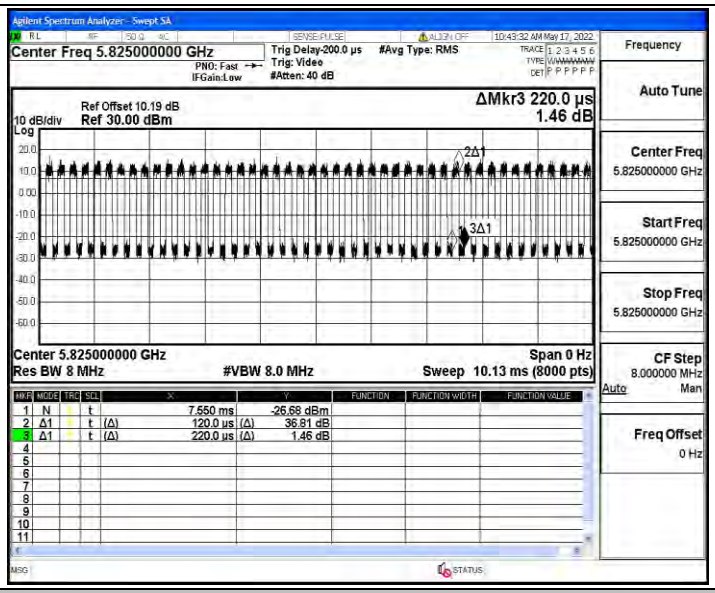

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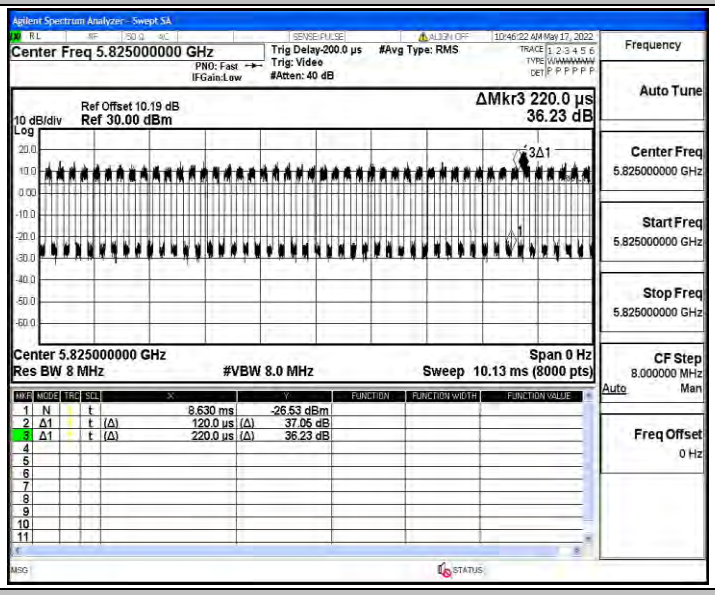

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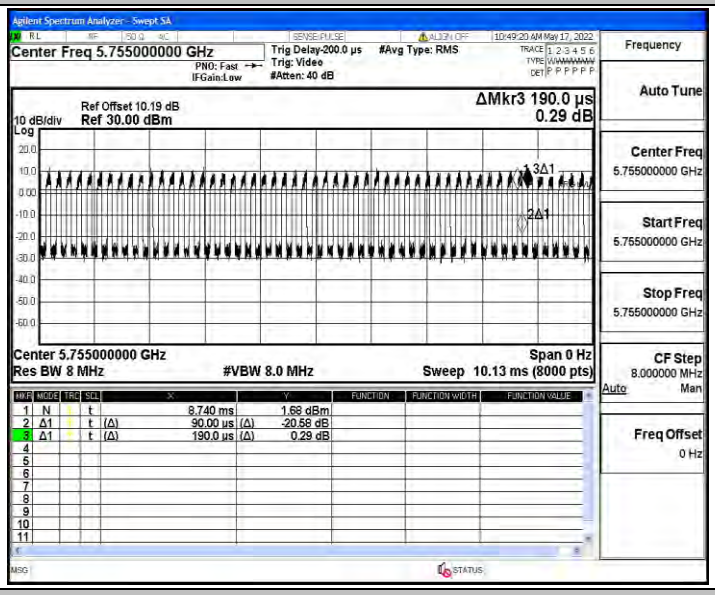

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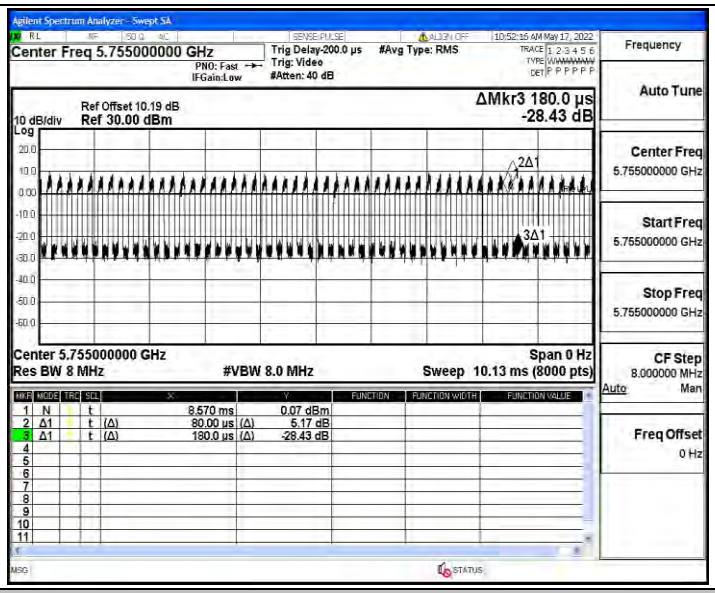

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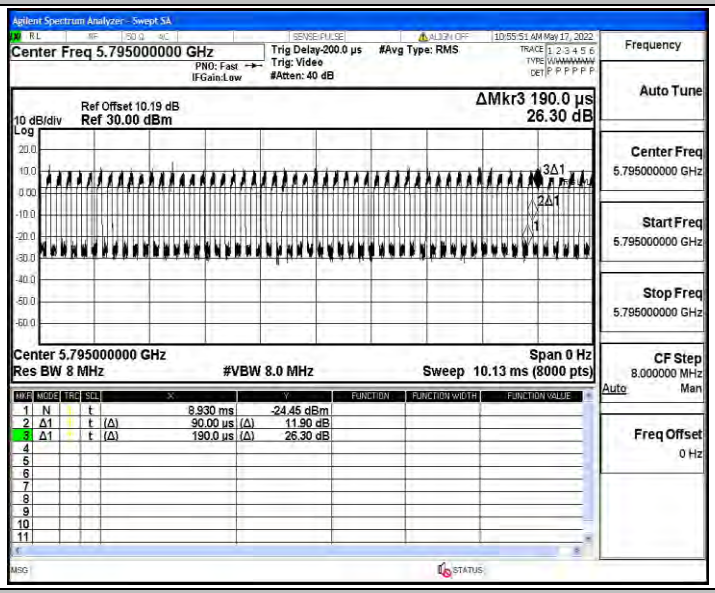

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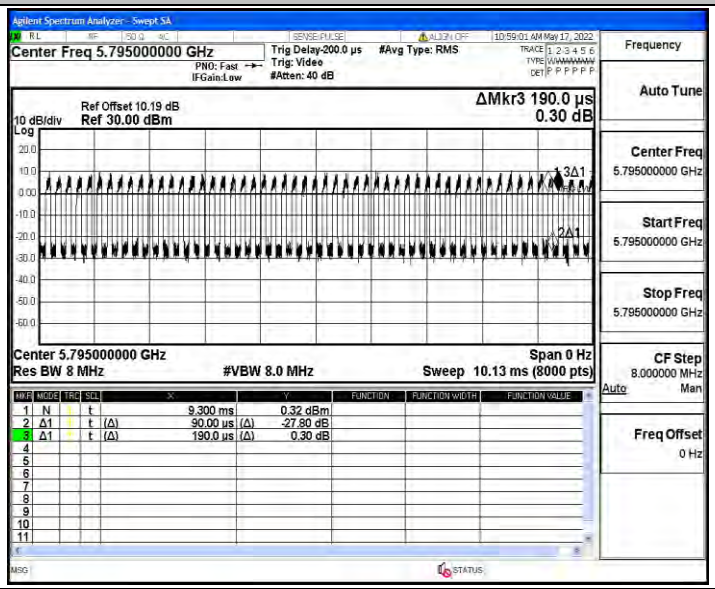

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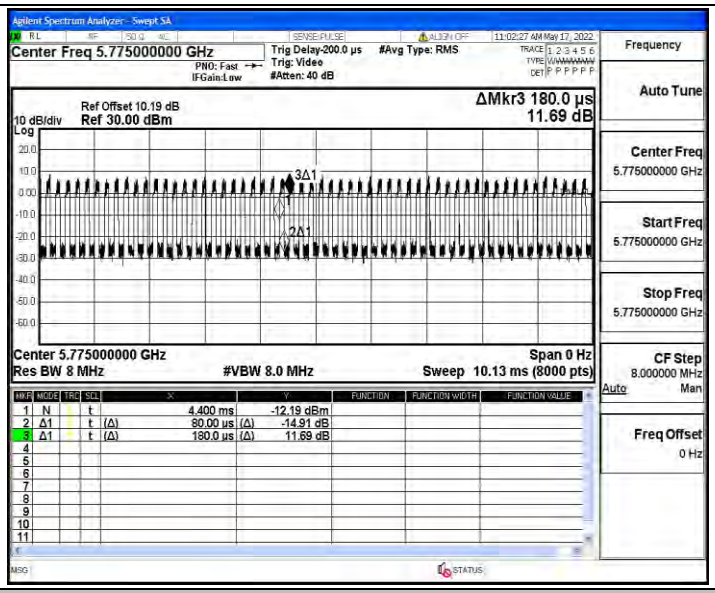

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