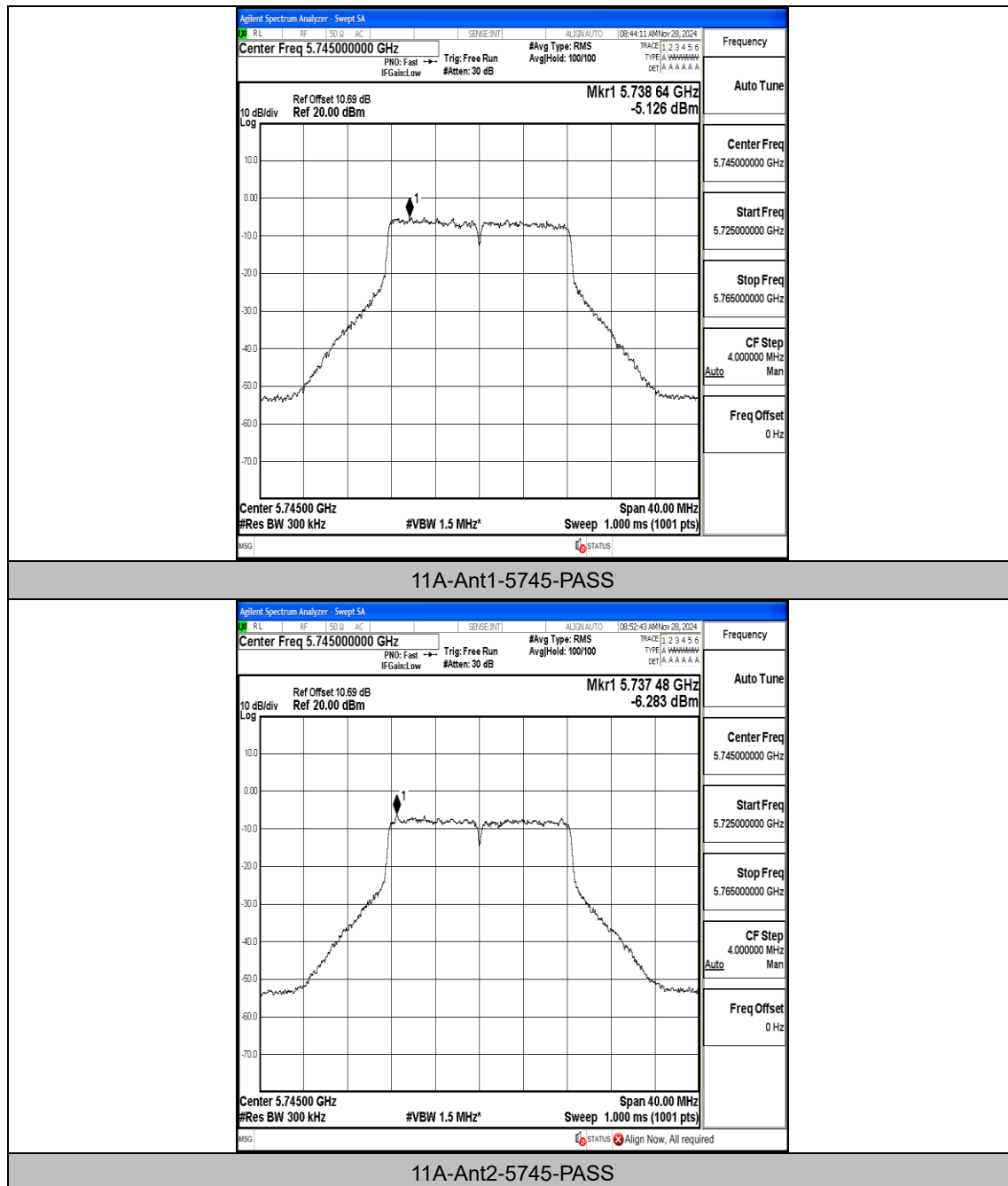
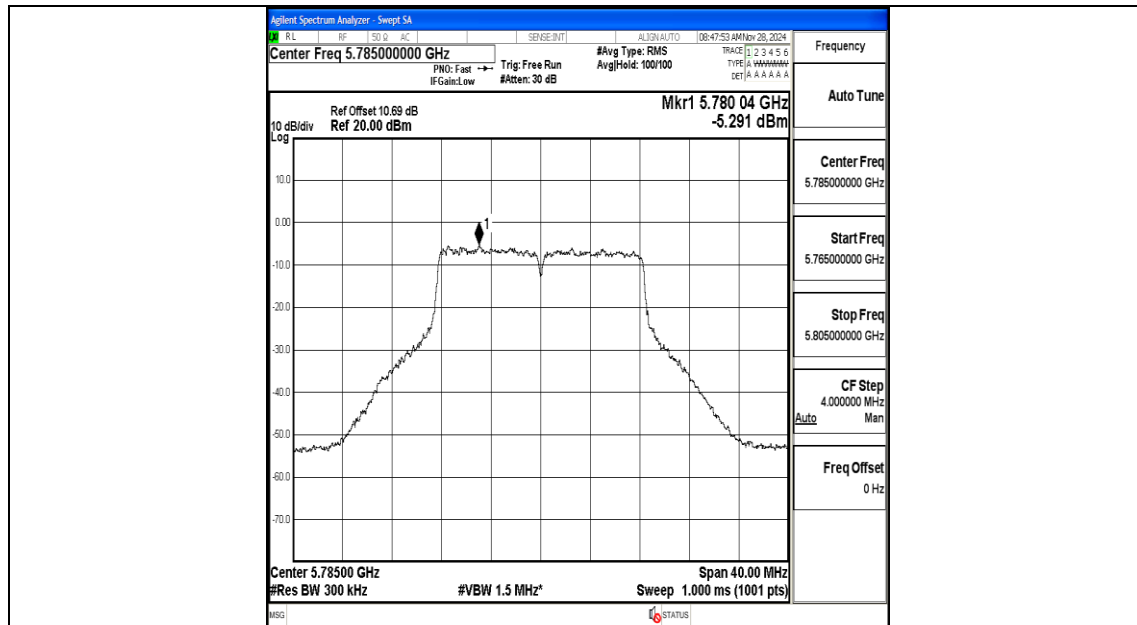
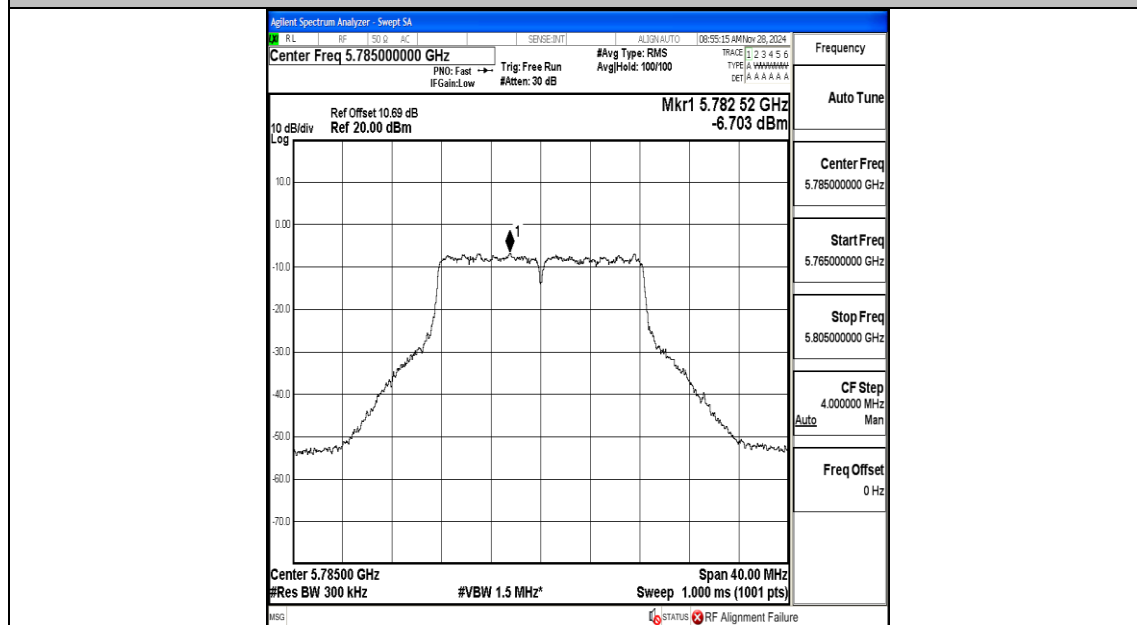


Test Graphs

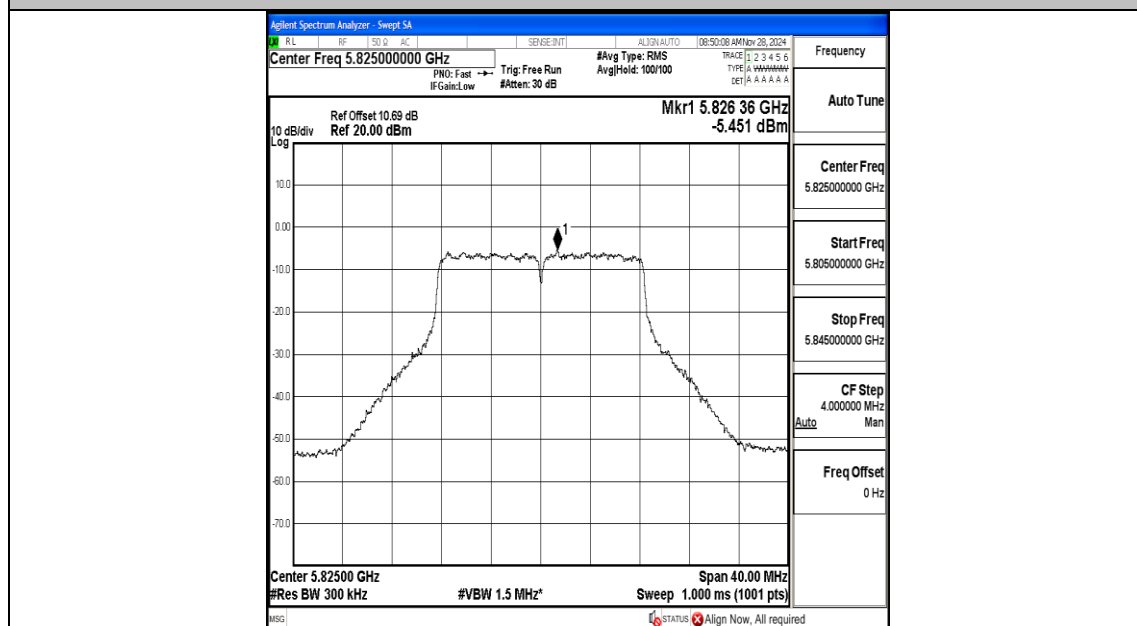




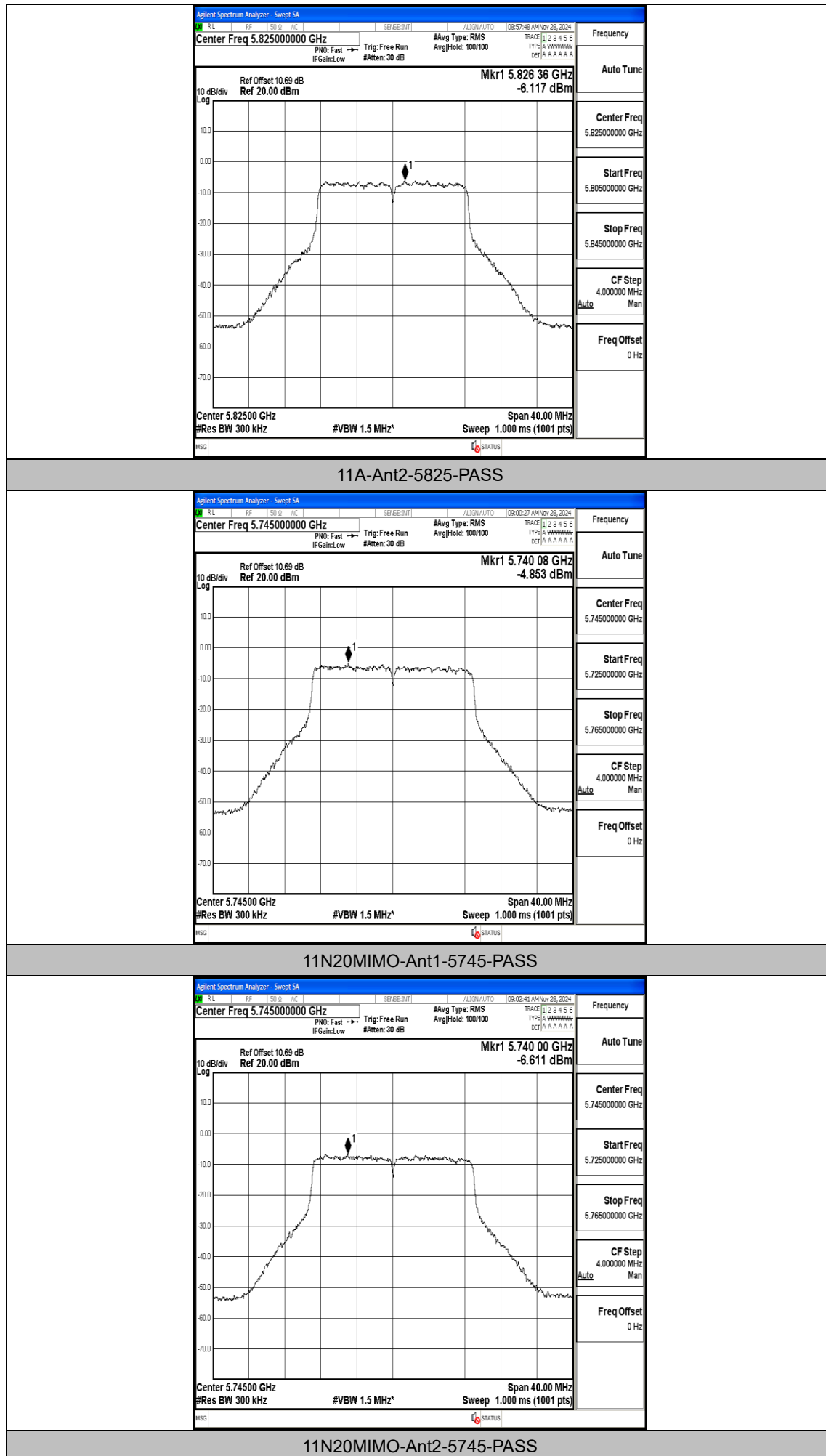
11A-Ant1-5785-PASS

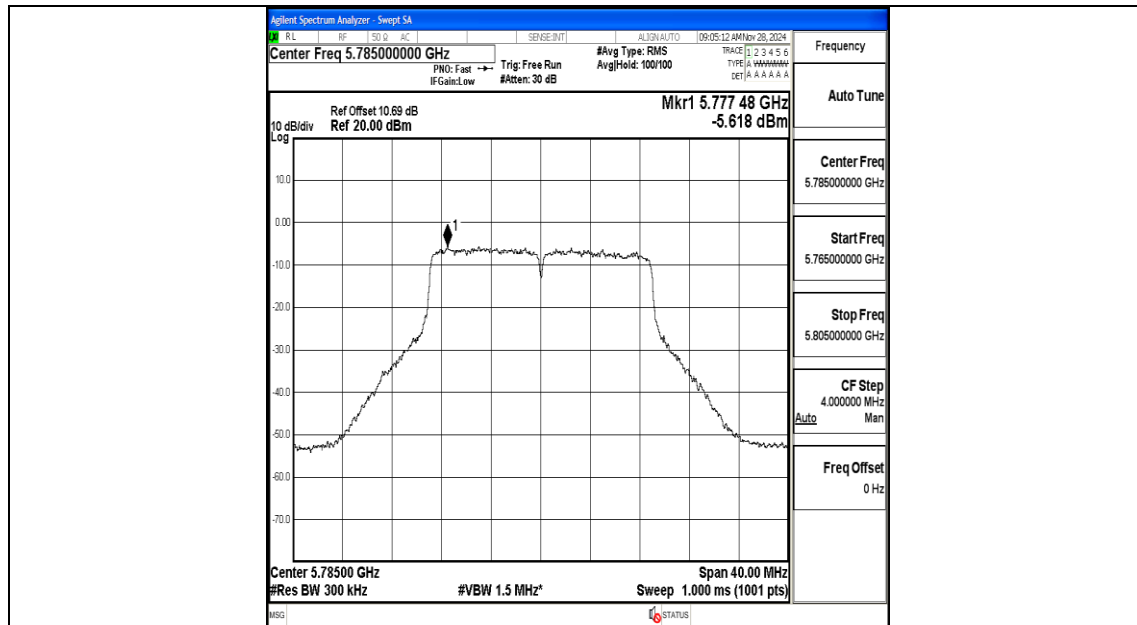


11A-Ant2-5785-PASS

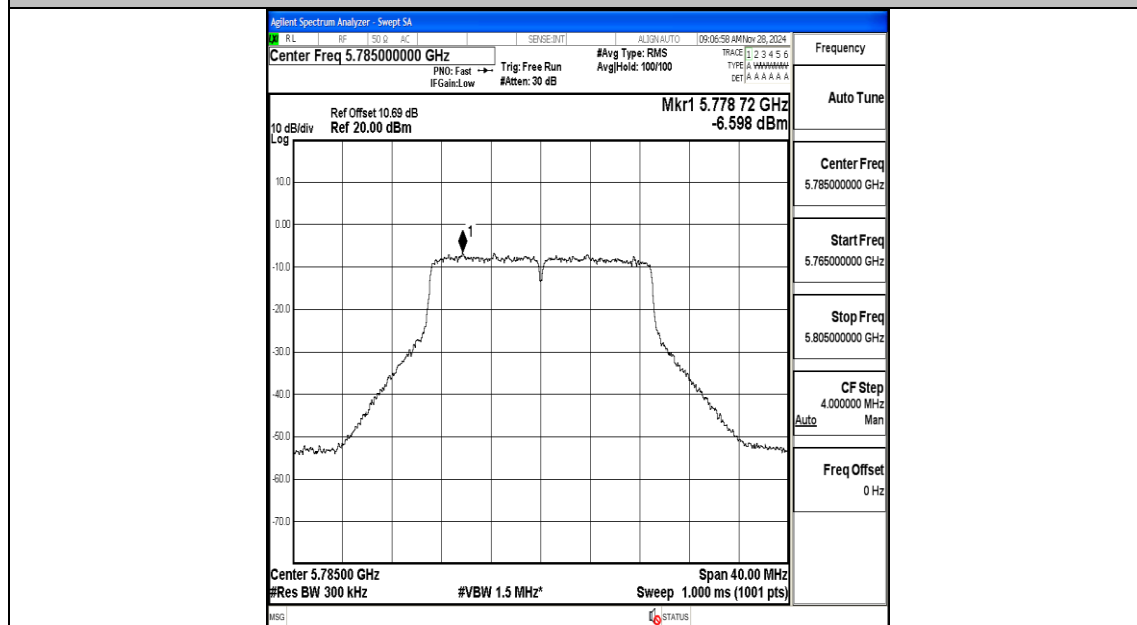


11A-Ant1-5825-PASS

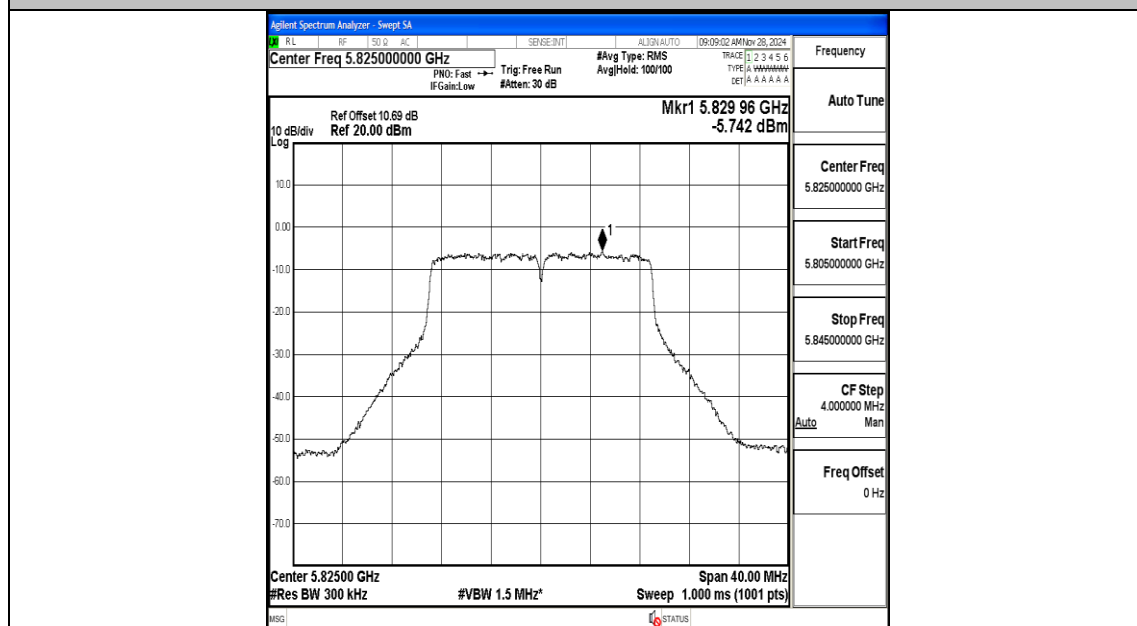




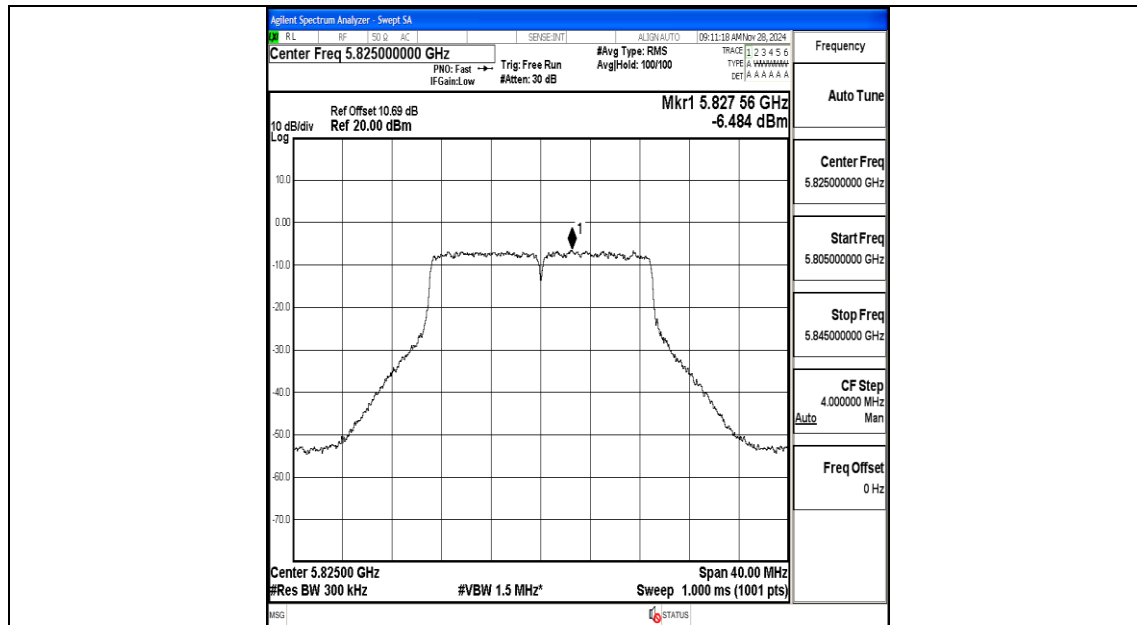
11N20MIMO-Ant1-5785-PASS



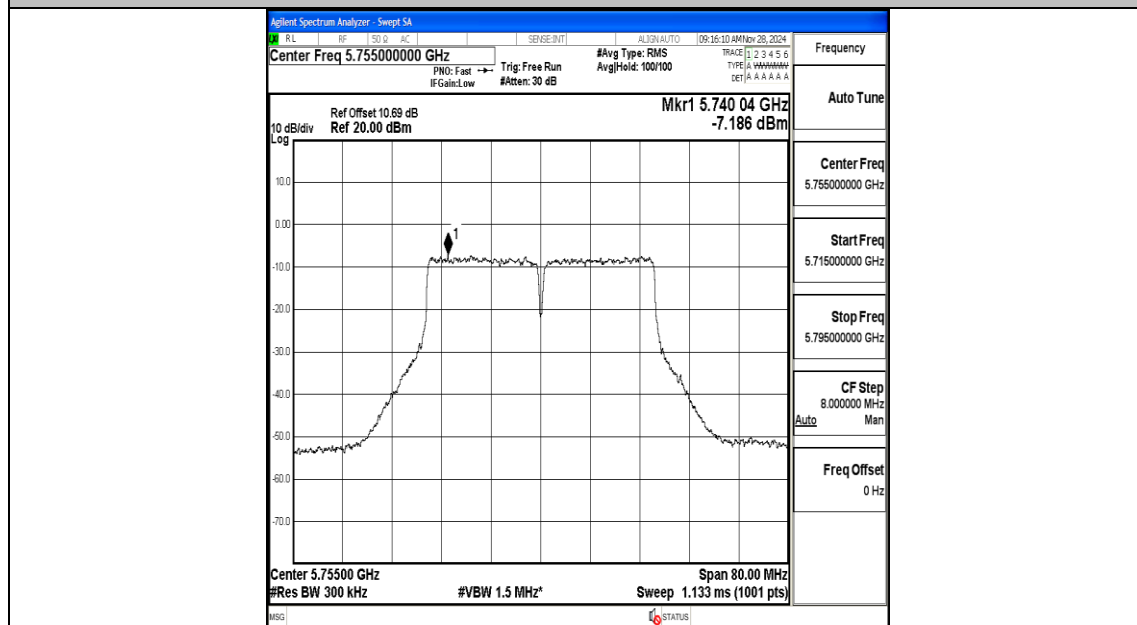
11N20MIMO-Ant2-5785-PASS



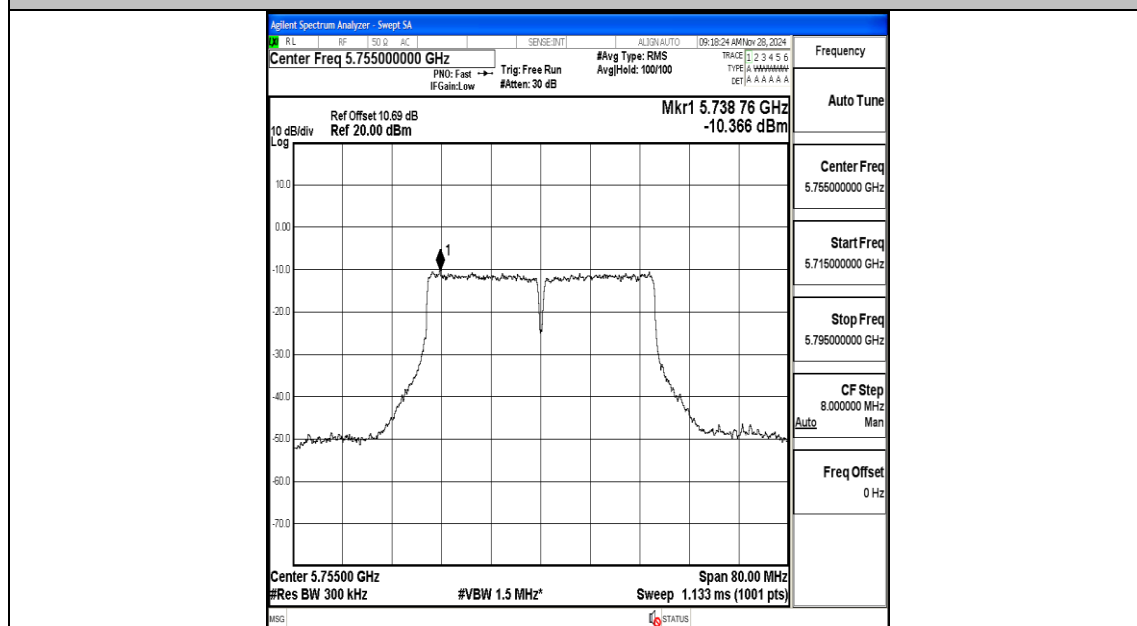
11N20MIMO-Ant1-5825-PASS



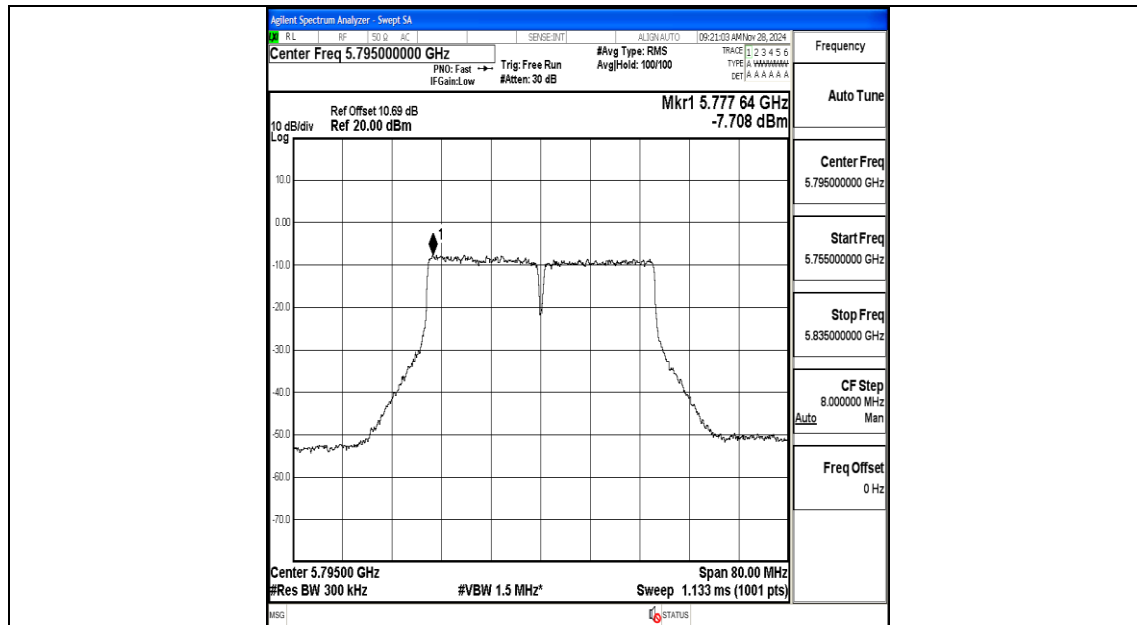
11N20MIMO-Ant2-5825-PASS



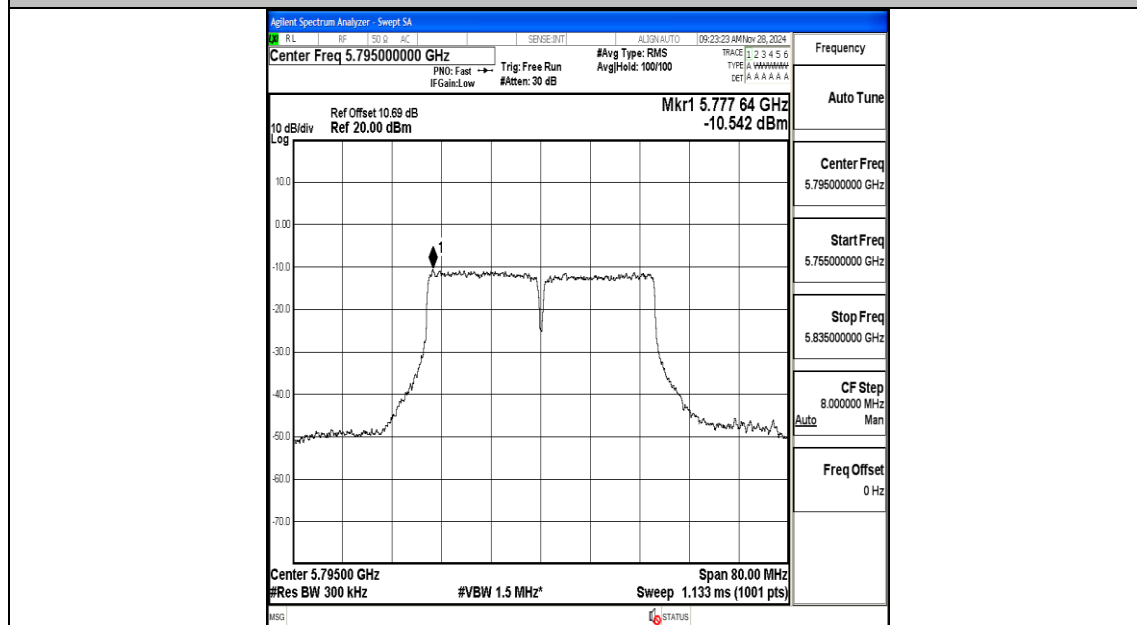
11N40MIMO-Ant1-5755-PASS



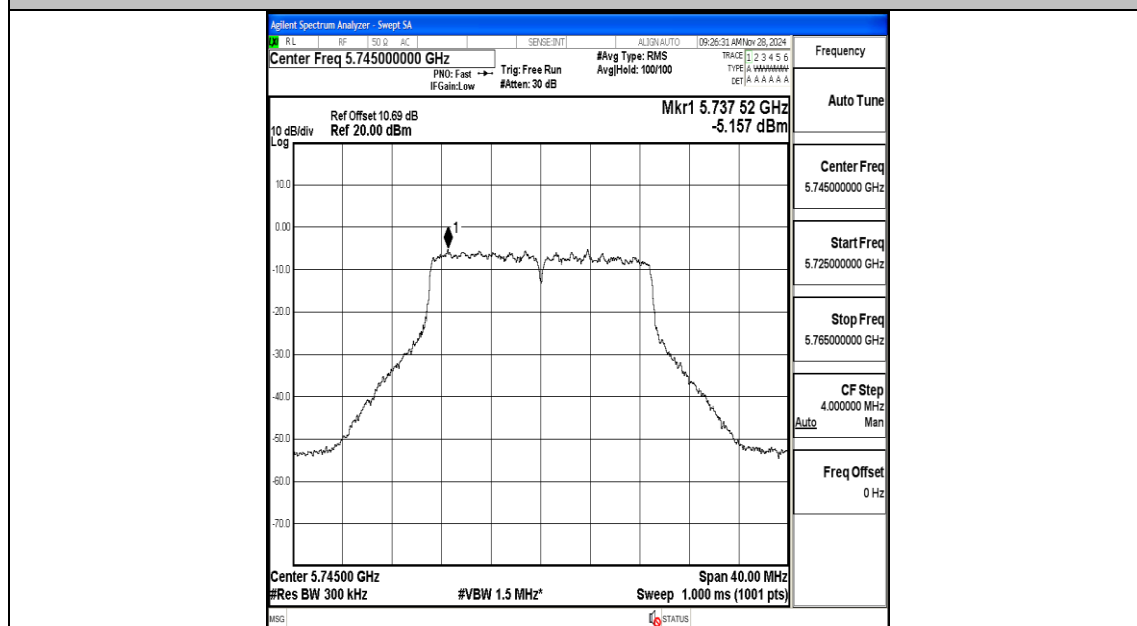
11N40MIMO-Ant2-5755-PASS



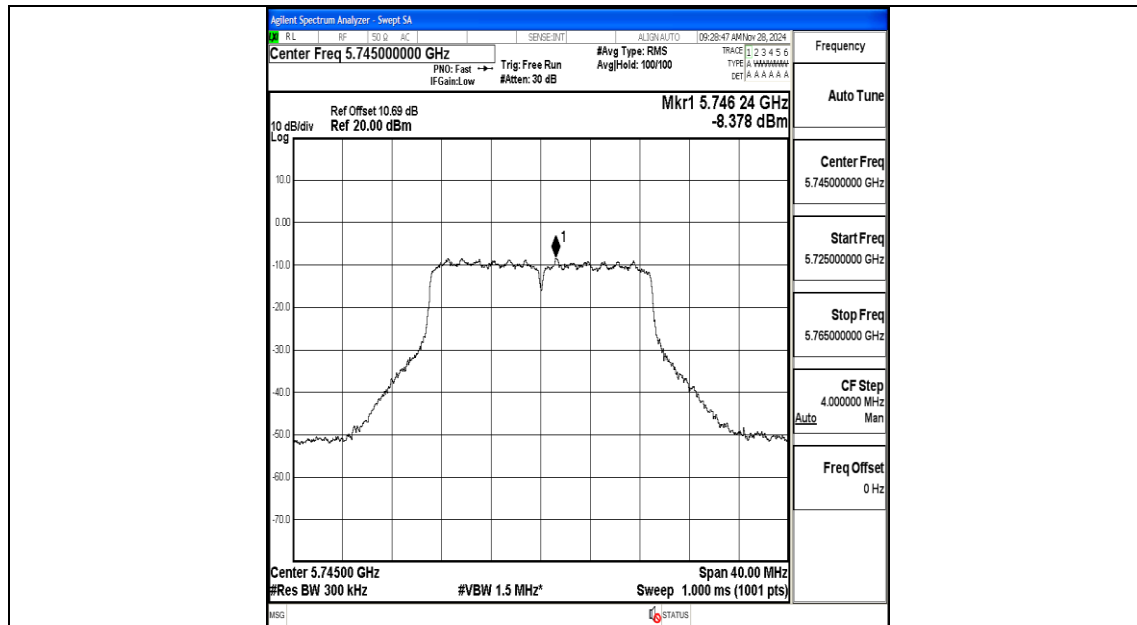
11N40MIMO-Ant1-5795-PASS



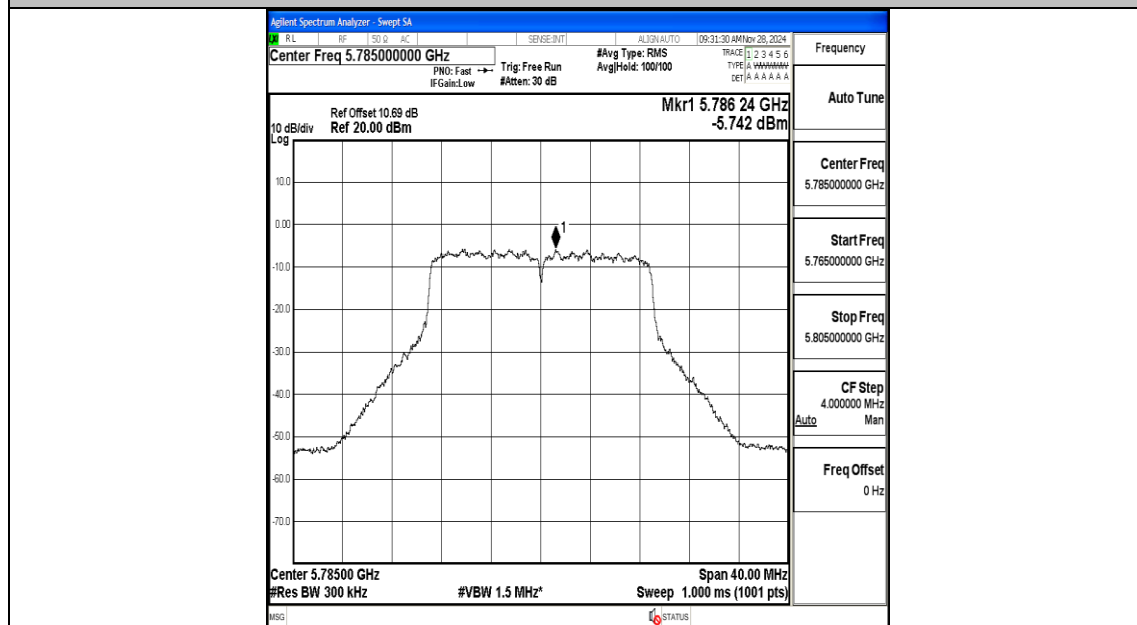
11N40MIMO-Ant2-5795-PASS



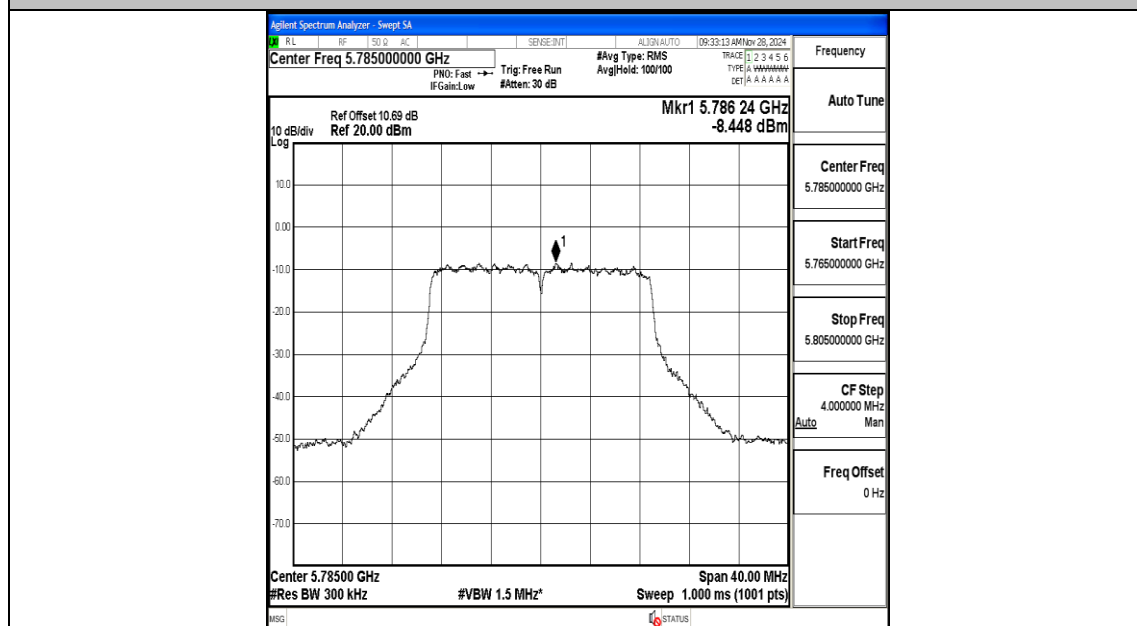
11AC20MIMO-Ant1-5745-PASS



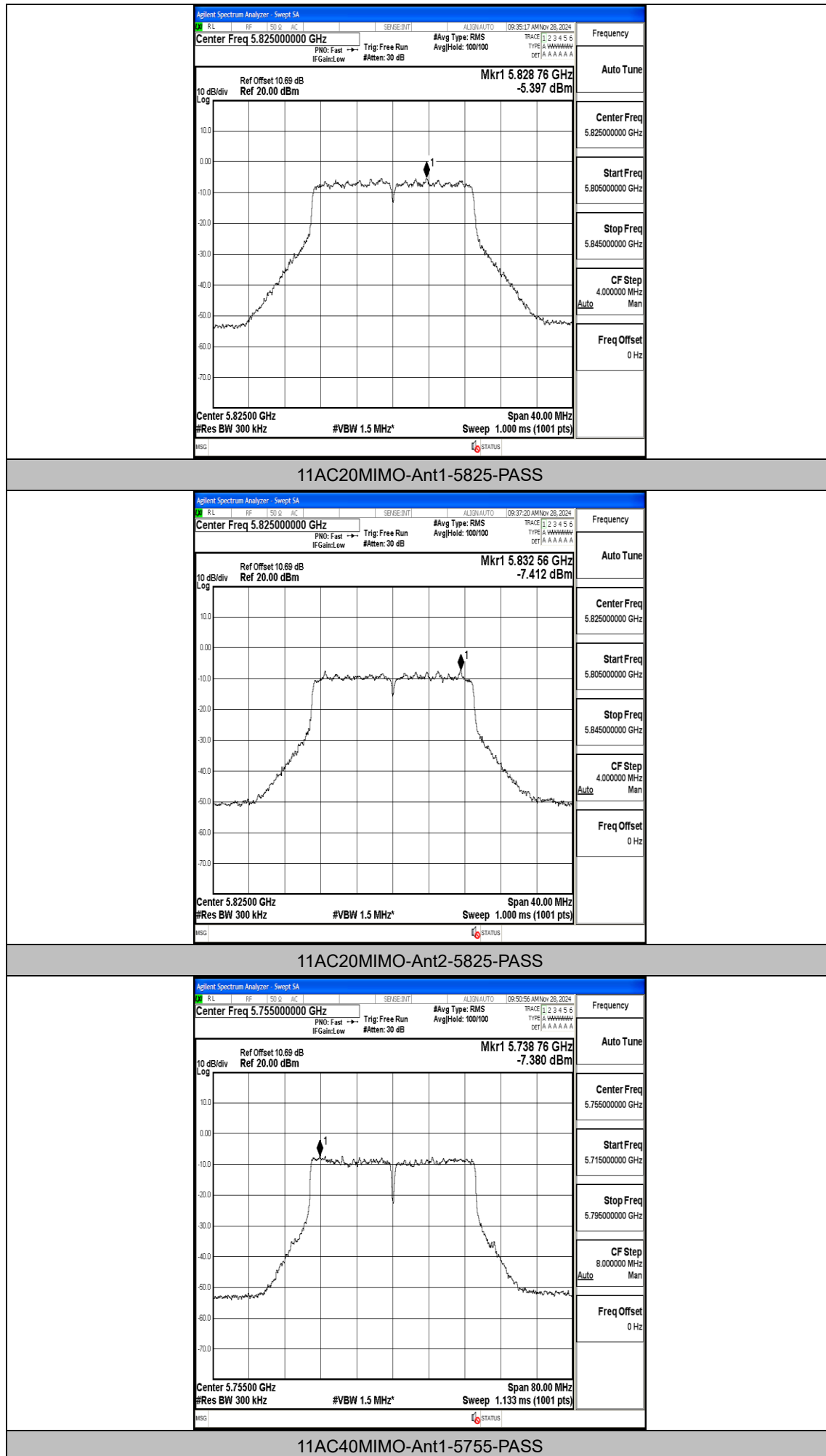
11AC20MIMO-Ant2-5745-PASS

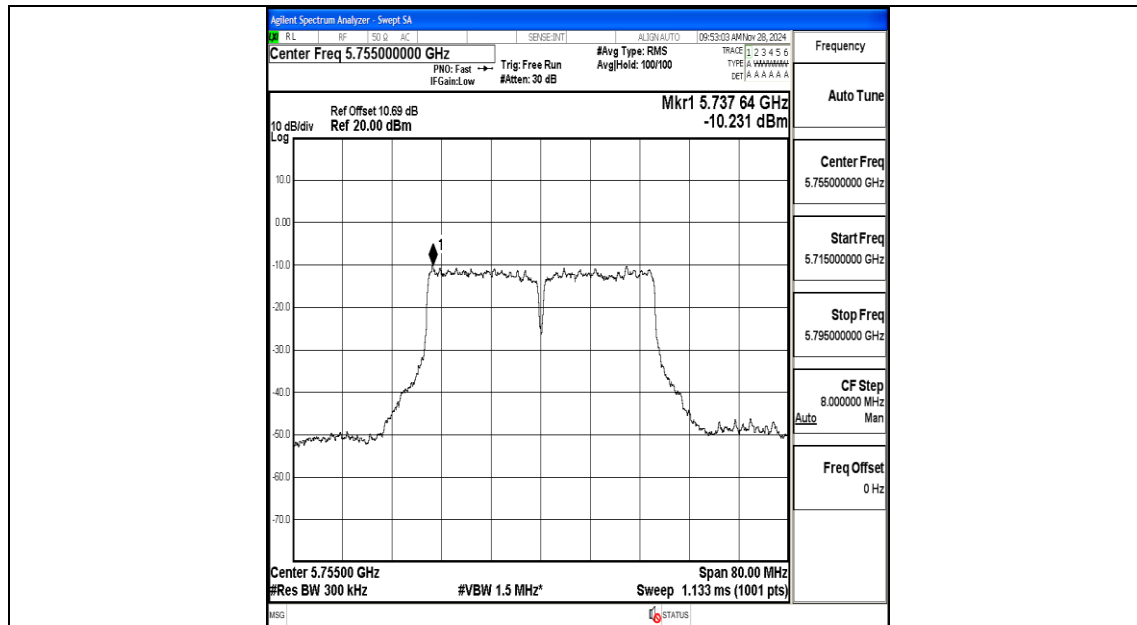


11AC20MIMO-Ant1-5785-PASS

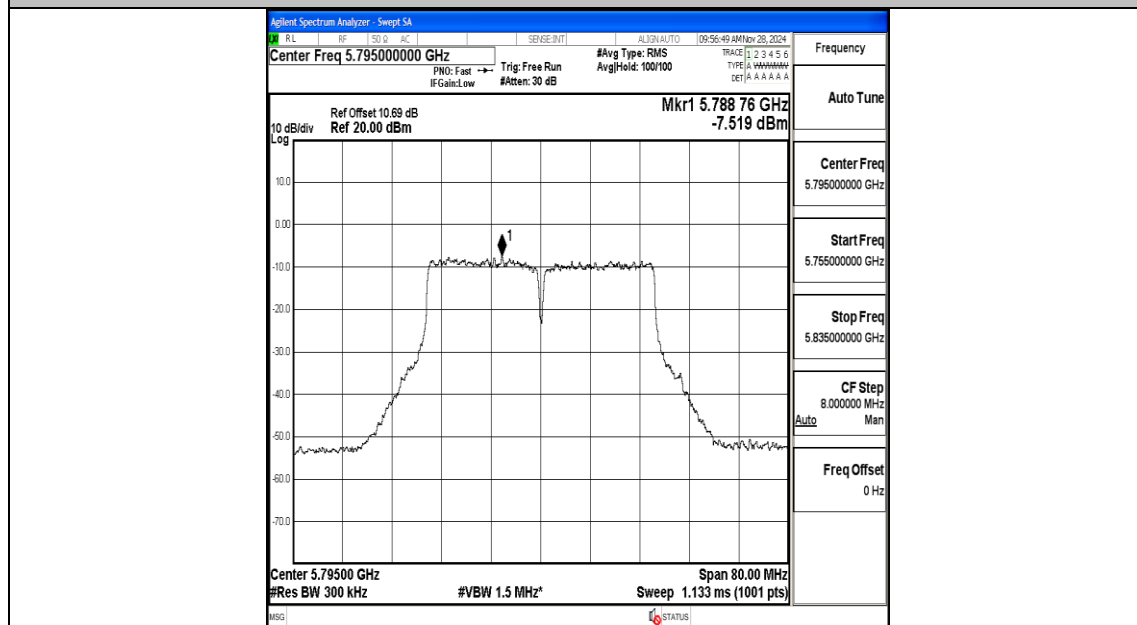


11AC20MIMO-Ant2-5785-PASS

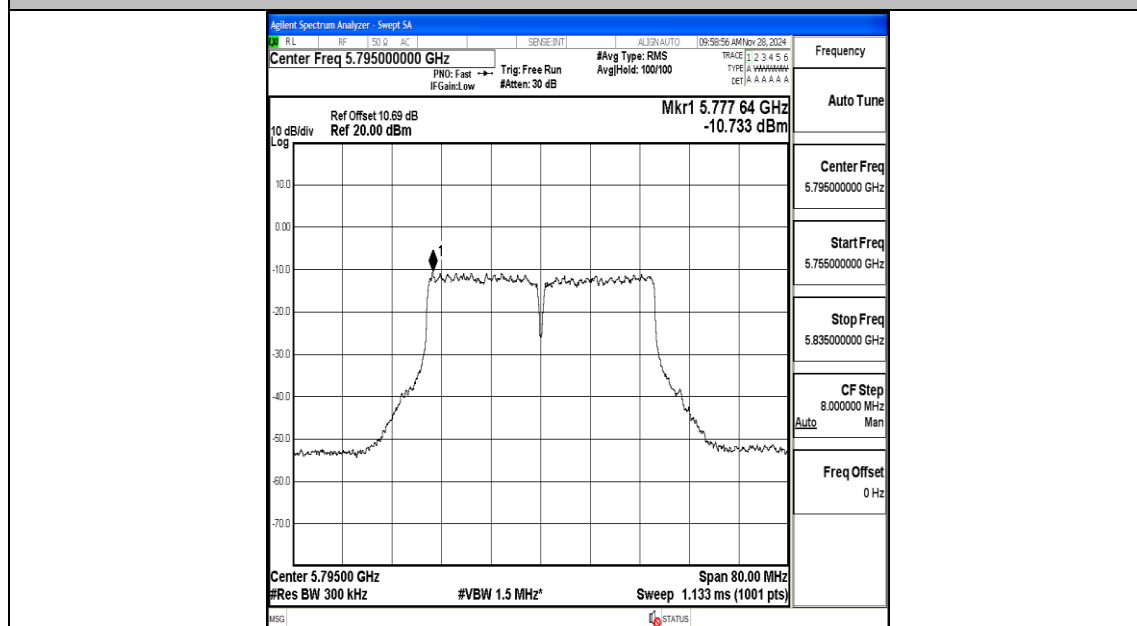




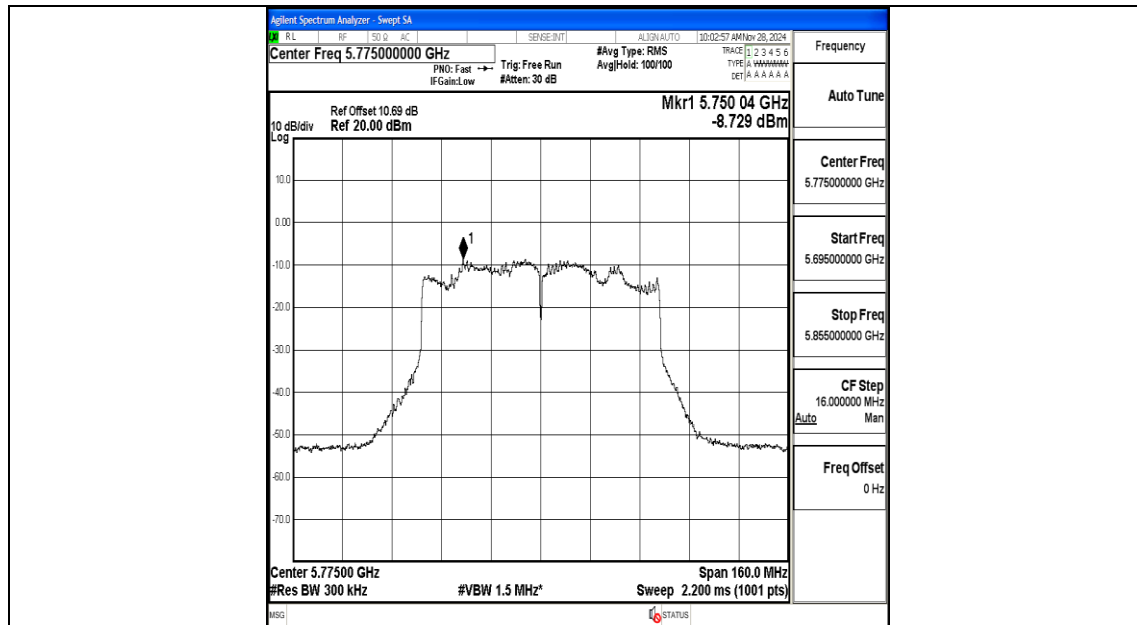
11AC40MIMO-Ant2-5755-PASS



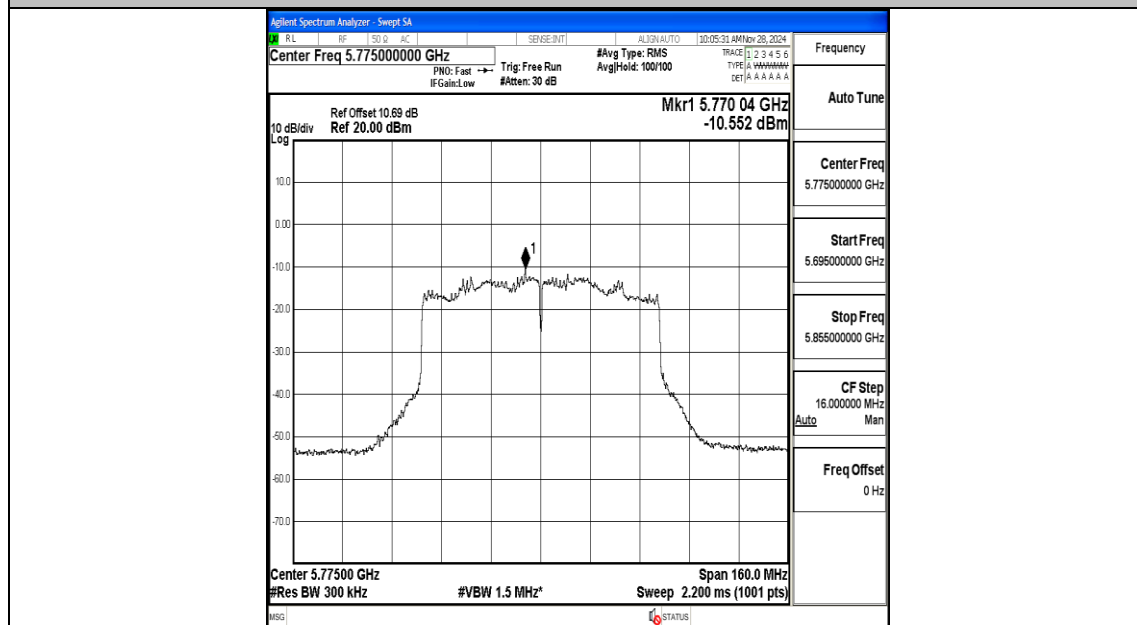
11AC40MIMO-Ant1-5795-PASS



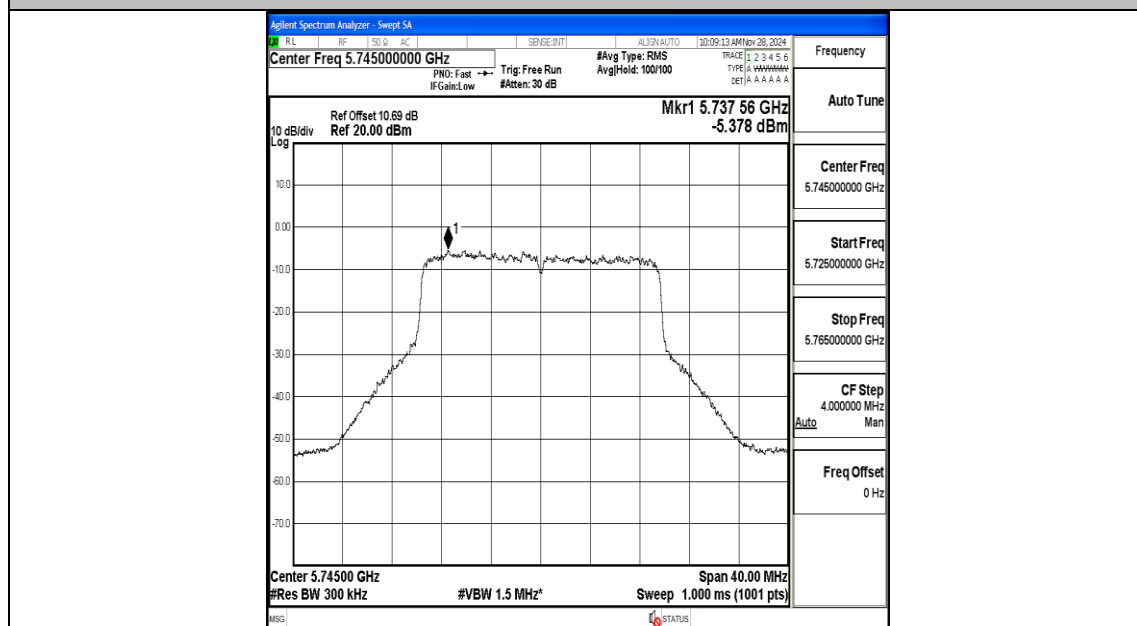
11AC40MIMO-Ant2-5795-PASS



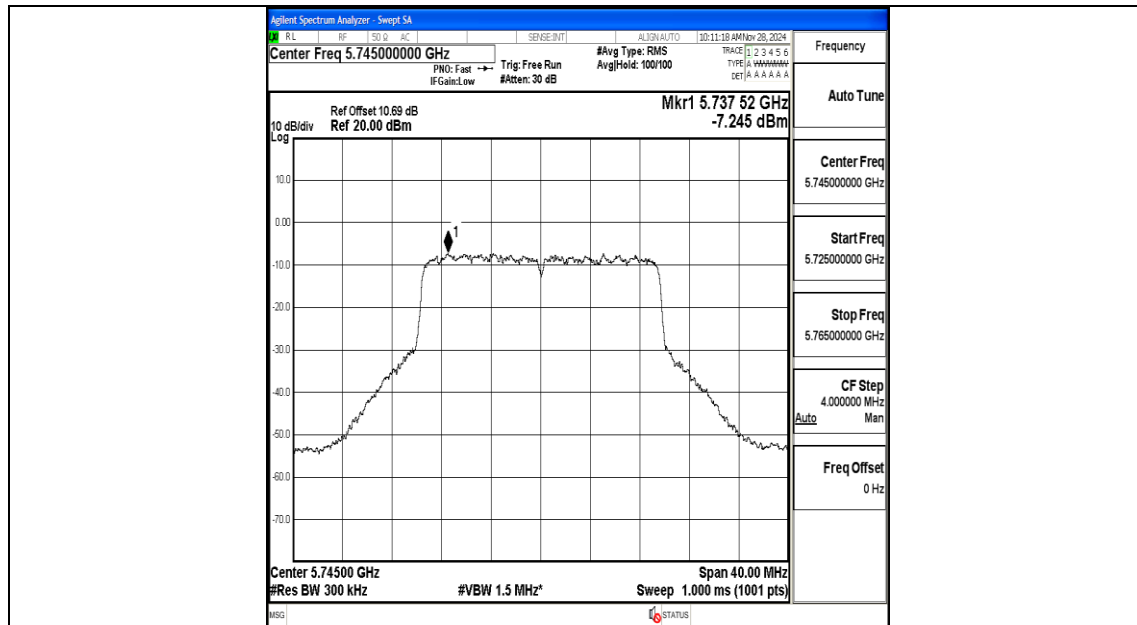
11AC80MIMO-Ant1-5775-PASS



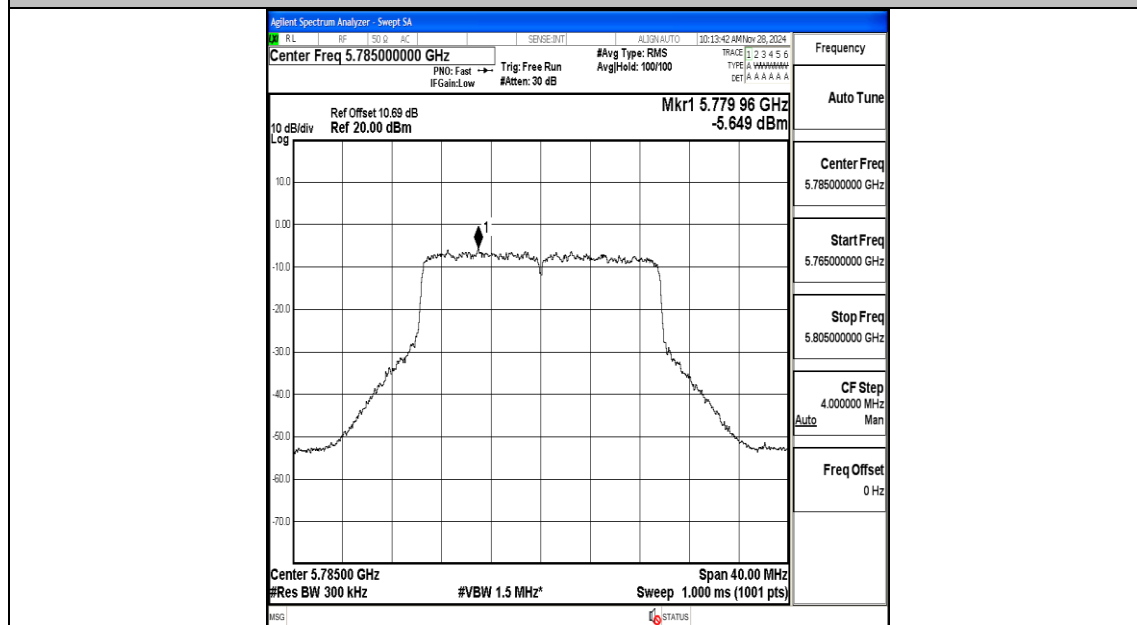
11AC80MIMO-Ant2-5775-PASS



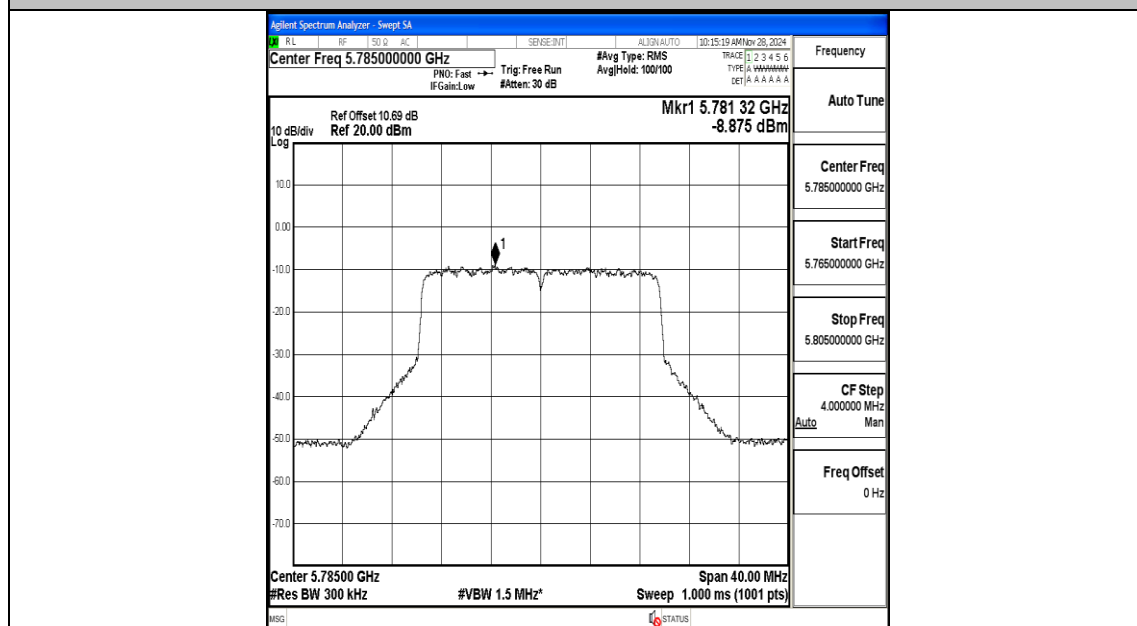
11AX20MIMO-Ant1-5745-PASS



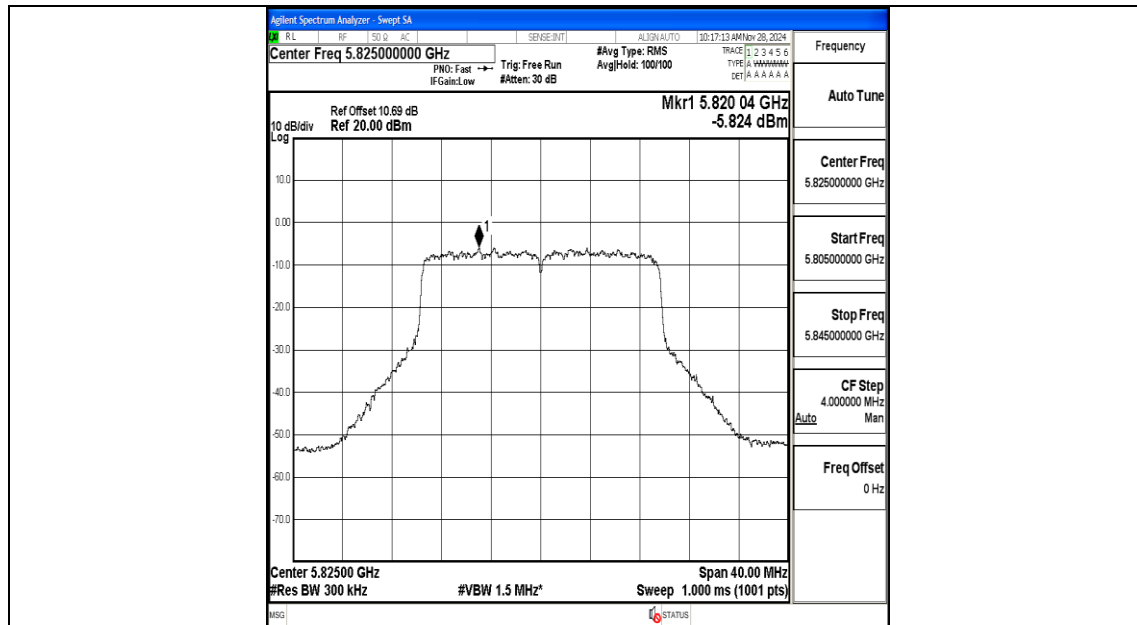
11AX20MIMO-Ant2-5745-PASS



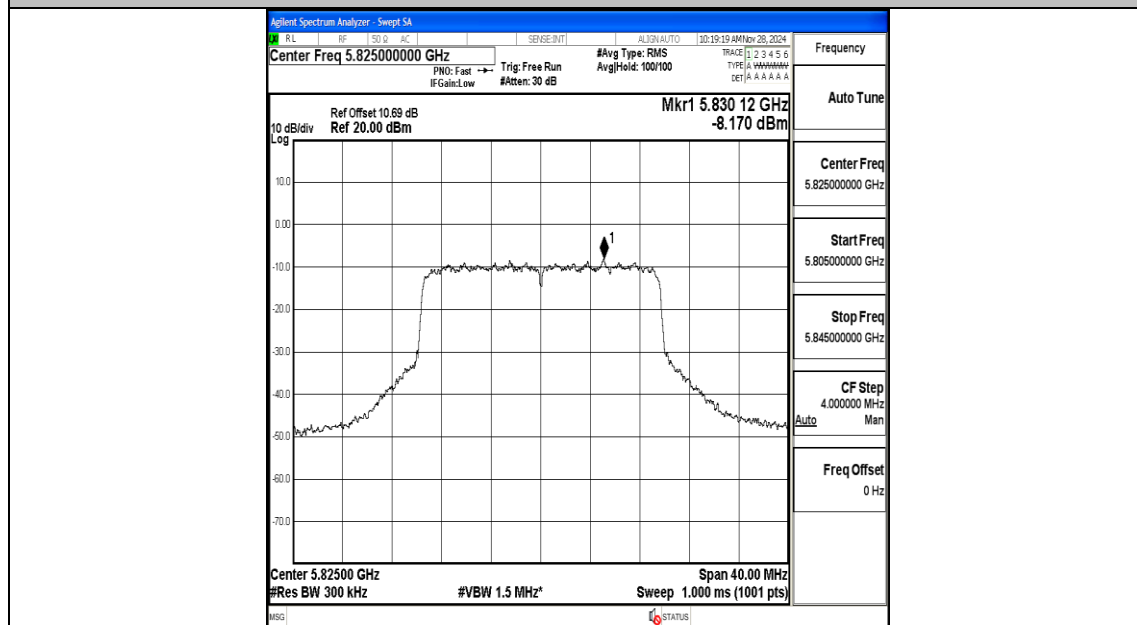
11AX20MIMO-Ant1-5785-PASS



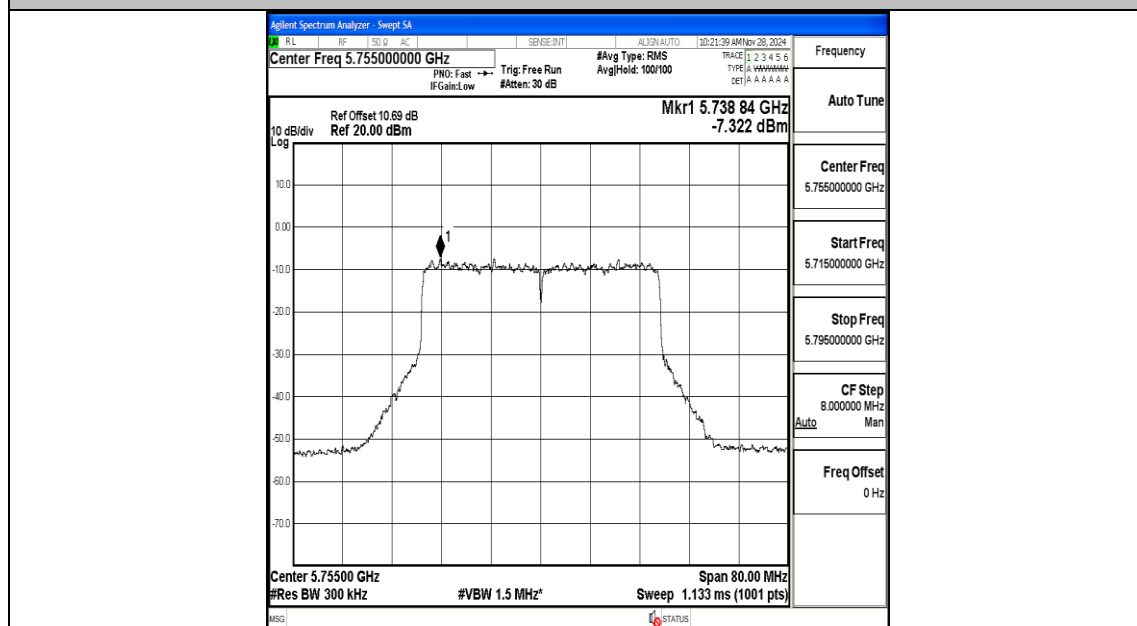
11AX20MIMO-Ant2-5785-PASS



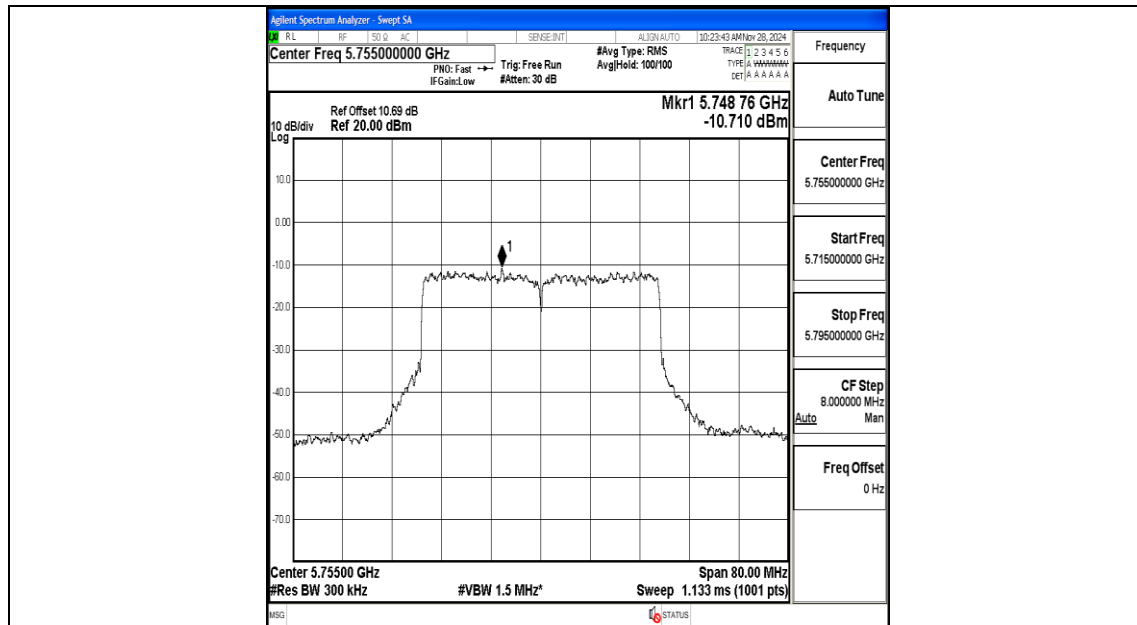
11AX20MIMO-Ant1-5825-PASS



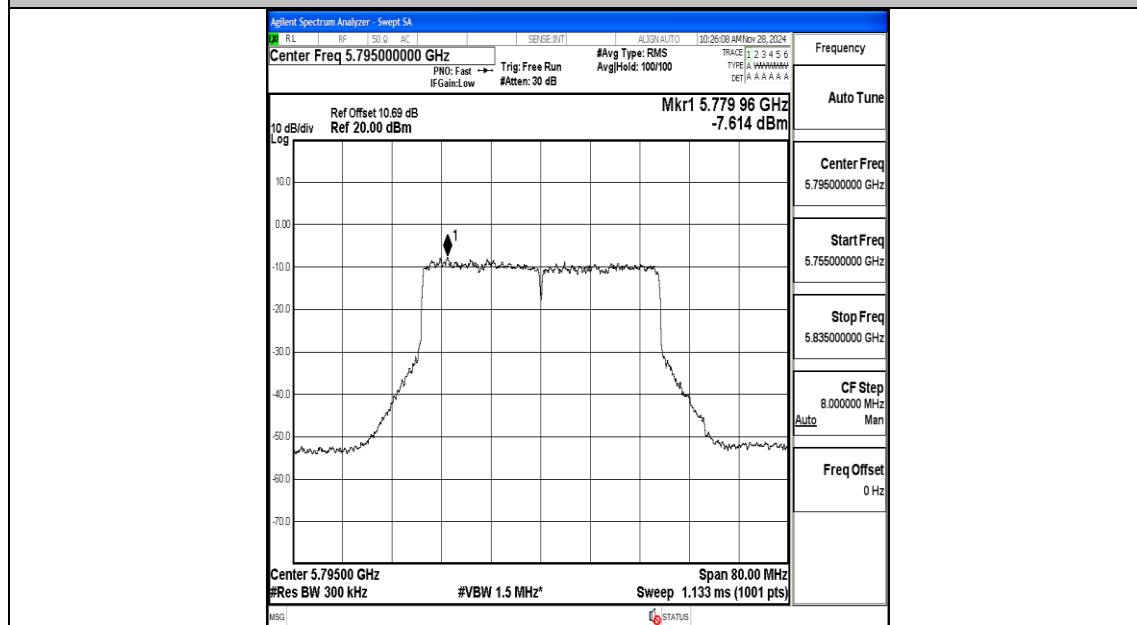
11AX20MIMO-Ant2-5825-PASS



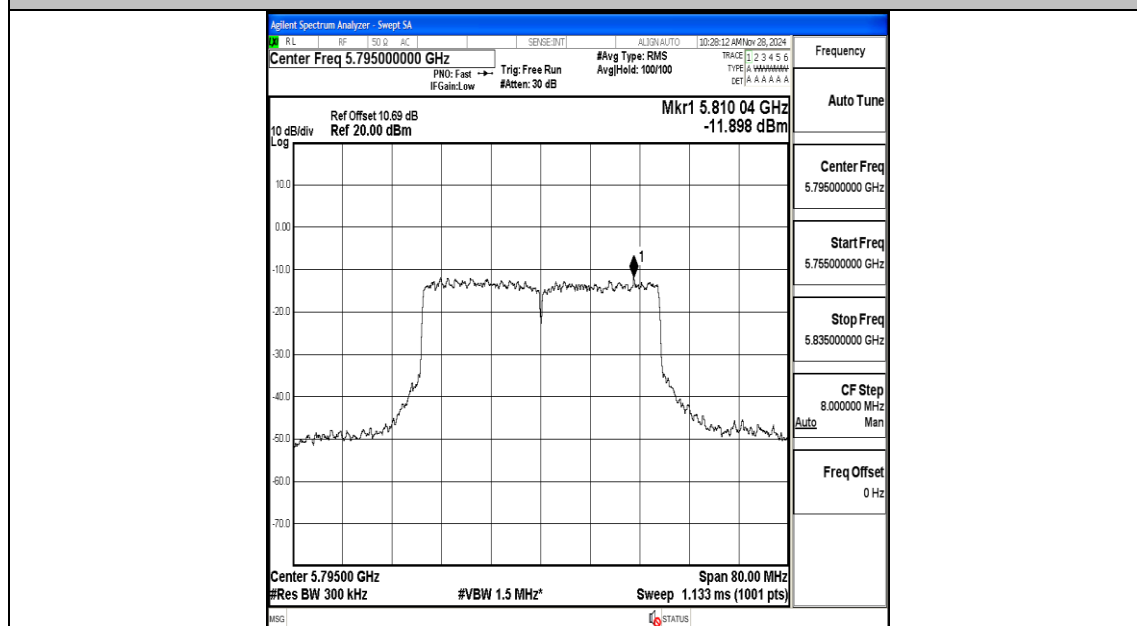
11AX40MIMO-Ant1-5755-PASS



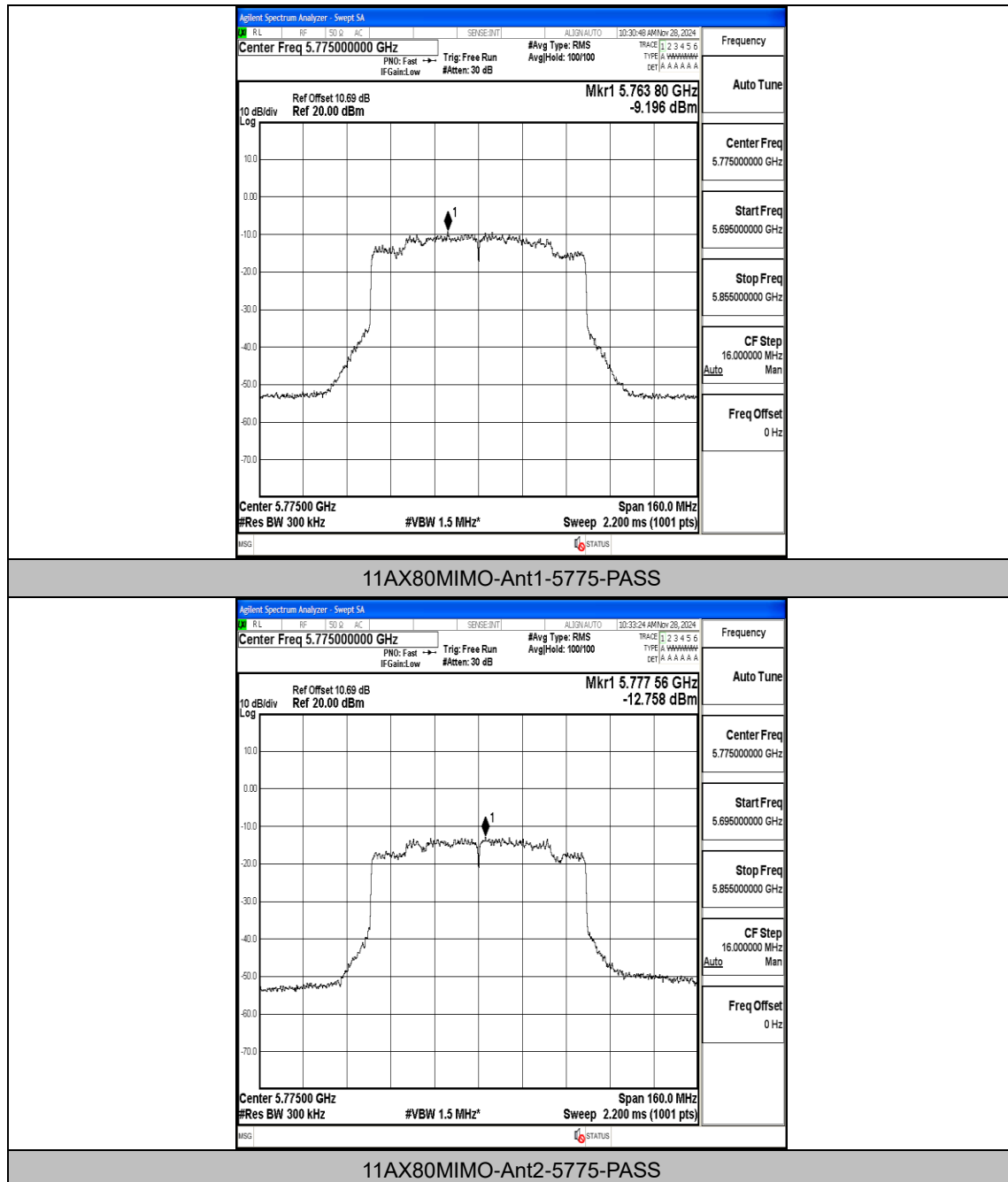
11AX40MIMO-Ant2-5755-PASS



11AX40MIMO-Ant1-5795-PASS



11AX40MIMO-Ant2-5795-PASS



Appendix D: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Freq. Range [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5720~5725	-36.76	≤16.87	PASS
11A	Ant1	Low	5745	5700~5720	-37.37	≤10.22	PASS
11A	Ant1	Low	5745	5650~5700	-38.61	≤-26.96	PASS
11A	Ant1	Low	5745	5760~5650	-36.82	≤-27	PASS
11A	Ant2	Low	5745	5720~5725	-38.62	≤15.82	PASS
11A	Ant2	Low	5745	5700~5720	-37.91	≤10.25	PASS
11A	Ant2	Low	5745	5650~5700	-37.63	≤-26.96	PASS
11A	Ant2	Low	5745	5760~5650	-37.7	≤-27	PASS
11A	Ant1	High	5825	5850~5855	-36.86	≤15.73	PASS
11A	Ant1	High	5825	5855~5875	-36.86	≤10.32	PASS
11A	Ant1	High	5825	5875~5925	-37.53	≤-26.91	PASS
11A	Ant1	High	5825	5925~5935	-36.57	≤-27	PASS
11A	Ant2	High	5825	5850~5855	-37.08	≤16.34	PASS
11A	Ant2	High	5825	5855~5875	-36.8	≤10.02	PASS
11A	Ant2	High	5825	5875~5925	-36.35	≤-26.01	PASS
11A	Ant2	High	5825	5925~5935	-36.84	≤-27	PASS
11N20MI MO	Ant1	Low	5745	5720~5725	-37.58	≤15.82	PASS
11N20MI MO	Ant1	Low	5745	5700~5720	-37.31	≤10.70	PASS
11N20MI MO	Ant1	Low	5745	5650~5700	-38.44	≤-26.96	PASS
11N20MI MO	Ant1	Low	5745	5760~5650	-37.01	≤-27	PASS
11N20MI MO	Ant2	Low	5745	5720~5725	-37.95	≤15.82	PASS
11N20MI MO	Ant2	Low	5745	5700~5720	-37.38	≤10.41	PASS
11N20MI MO	Ant2	Low	5745	5650~5700	-36.48	≤-26.53	PASS
11N20MI MO	Ant2	Low	5745	5760~5650	-36.72	≤-27	PASS
11N20MI MO	Ant1	High	5825	5850~5855	-37.65	≤15.73	PASS
11N20MI MO	Ant1	High	5825	5855~5875	-36.85	≤10.21	PASS
11N20MI MO	Ant1	High	5825	5875~5925	-37.08	≤-26.51	PASS
11N20MI MO	Ant1	High	5825	5925~5935	-36.87	≤-27	PASS
11N20MI	Ant2	High	5825	5850~5855	-37.8	≤15.73	PASS

MO							
11N20MI MO	Ant2	High	5825	5855~5875	-36.71	≤10.78	PASS
11N20MI MO	Ant2	High	5825	5875~5925	-37.24	≤-26.71	PASS
11N20MI MO	Ant2	High	5825	5925~5935	-36.23	≤-27	PASS
11N40MI MO	Ant1	Low	5755	5720~5725	-34.74	≤16.66	PASS
11N40MI MO	Ant1	Low	5755	5700~5720	-36.32	≤10.17	PASS
11N40MI MO	Ant1	Low	5755	5650~5700	-37.56	≤-26.90	PASS
11N40MI MO	Ant1	Low	5755	5780~5650	-37.52	≤-27	PASS
11N40MI MO	Ant2	Low	5755	5720~5725	-32.69	≤16.66	PASS
11N40MI MO	Ant2	Low	5755	5700~5720	-31.54	≤15.05	PASS
11N40MI MO	Ant2	Low	5755	5650~5700	-37.7	≤-26.70	PASS
11N40MI MO	Ant2	Low	5755	5780~5650	-37.12	≤-27	PASS
11N40MI MO	Ant1	High	5795	5850~5855	-38.04	≤16.03	PASS
11N40MI MO	Ant1	High	5795	5855~5875	-37.32	≤10.06	PASS
11N40MI MO	Ant1	High	5795	5875~5925	-37.71	≤-26.95	PASS
11N40MI MO	Ant1	High	5795	5925~5935	-36.71	≤-27	PASS
11N40MI MO	Ant2	High	5795	5850~5855	-38.48	≤15.66	PASS
11N40MI MO	Ant2	High	5795	5855~5875	-36.17	≤11.22	PASS
11N40MI MO	Ant2	High	5795	5875~5925	-38.01	≤-26.95	PASS
11N40MI MO	Ant2	High	5795	5925~5935	-36.97	≤-27	PASS
11AC20M IMO	Ant1	Low	5745	5720~5725	-37.97	≤16.34	PASS
11AC20M IMO	Ant1	Low	5745	5700~5720	-37.24	≤10.28	PASS
11AC20M IMO	Ant1	Low	5745	5650~5700	-37.42	≤-26.45	PASS
11AC20M IMO	Ant1	Low	5745	5760~5650	-37.13	≤-27	PASS

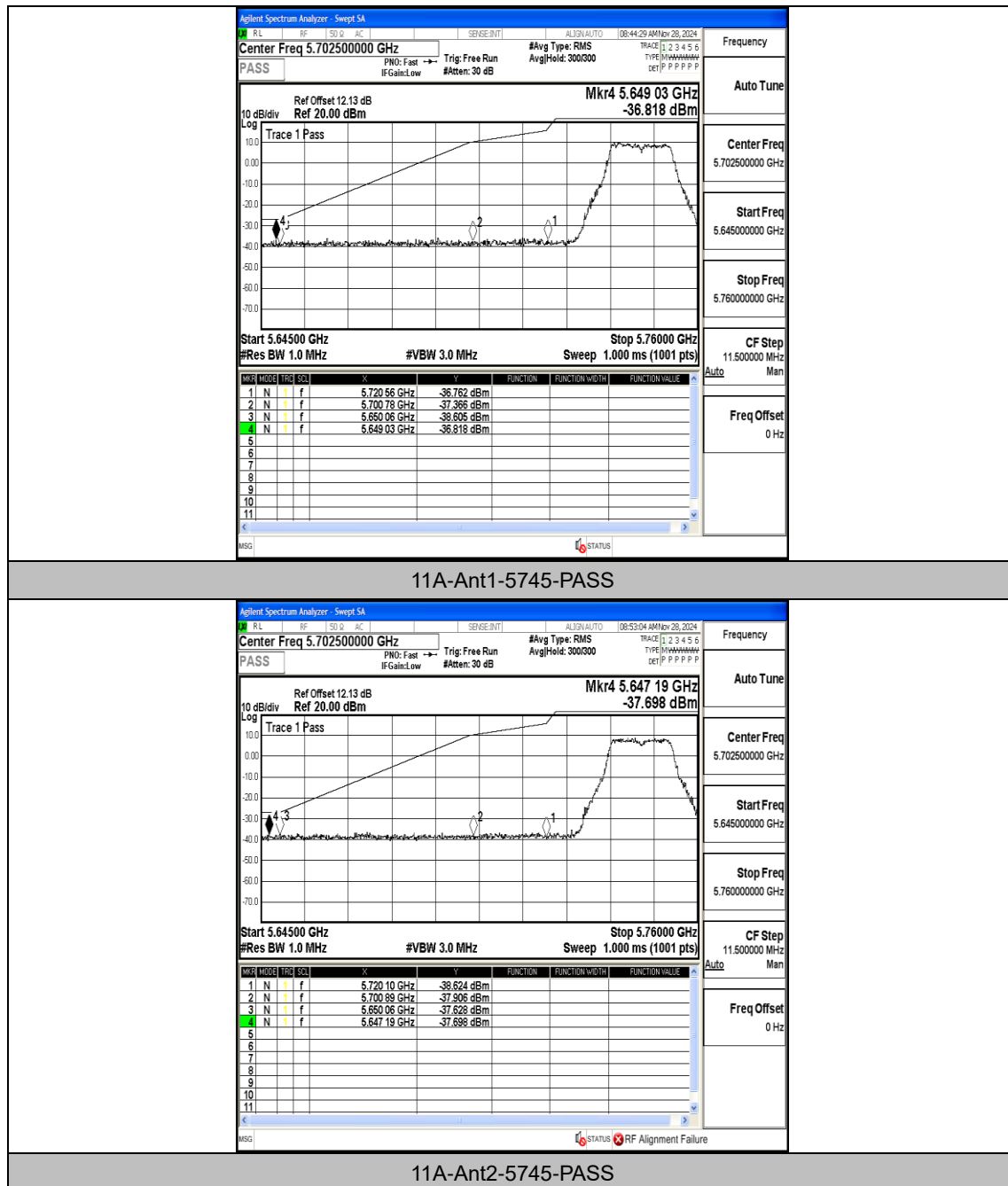
11AC20M IMO	Ant2	Low	5745	5720~5725	-37.88	≤16.34	PASS
11AC20M IMO	Ant2	Low	5745	5700~5720	-37.69	≤10.18	PASS
11AC20M IMO	Ant2	Low	5745	5650~5700	-37.91	≤-26.53	PASS
11AC20M IMO	Ant2	Low	5745	5760~5650	-36.15	≤-27	PASS
11AC20M IMO	Ant1	High	5825	5850~5855	-34.8	≤15.73	PASS
11AC20M IMO	Ant1	High	5825	5855~5875	-37.12	≤10.13	PASS
11AC20M IMO	Ant1	High	5825	5875~5925	-37.17	≤-26.81	PASS
11AC20M IMO	Ant1	High	5825	5925~5935	-36.17	≤-27	PASS
11AC20M IMO	Ant2	High	5825	5850~5855	-37.46	≤15.73	PASS
11AC20M IMO	Ant2	High	5825	5855~5875	-36.98	≤10.13	PASS
11AC20M IMO	Ant2	High	5825	5875~5925	-37.74	≤-26.71	PASS
11AC20M IMO	Ant2	High	5825	5925~5935	-36.59	≤-27	PASS
11AC40M IMO	Ant1	Low	5755	5720~5725	-36.17	≤16.66	PASS
11AC40M IMO	Ant1	Low	5755	5700~5720	-37.11	≤10.02	PASS
11AC40M IMO	Ant1	Low	5755	5650~5700	-36.87	≤-26.70	PASS
11AC40M IMO	Ant1	Low	5755	5780~5650	-37.47	≤-27	PASS
11AC40M IMO	Ant2	Low	5755	5720~5725	-33.91	≤16.04	PASS
11AC40M IMO	Ant2	Low	5755	5700~5720	-36.69	≤10.02	PASS
11AC40M IMO	Ant2	Low	5755	5650~5700	-37.11	≤-26.00	PASS
11AC40M IMO	Ant2	Low	5755	5780~5650	-35.99	≤-27	PASS
11AC40M IMO	Ant1	High	5795	5850~5855	-37.54	≤16.03	PASS
11AC40M IMO	Ant1	High	5795	5855~5875	-36.45	≤10.34	PASS
11AC40M IMO	Ant1	High	5795	5875~5925	-37.21	≤-26.34	PASS
11AC40M	Ant1	High	5795	5925~5935	-35.54	≤-27	PASS

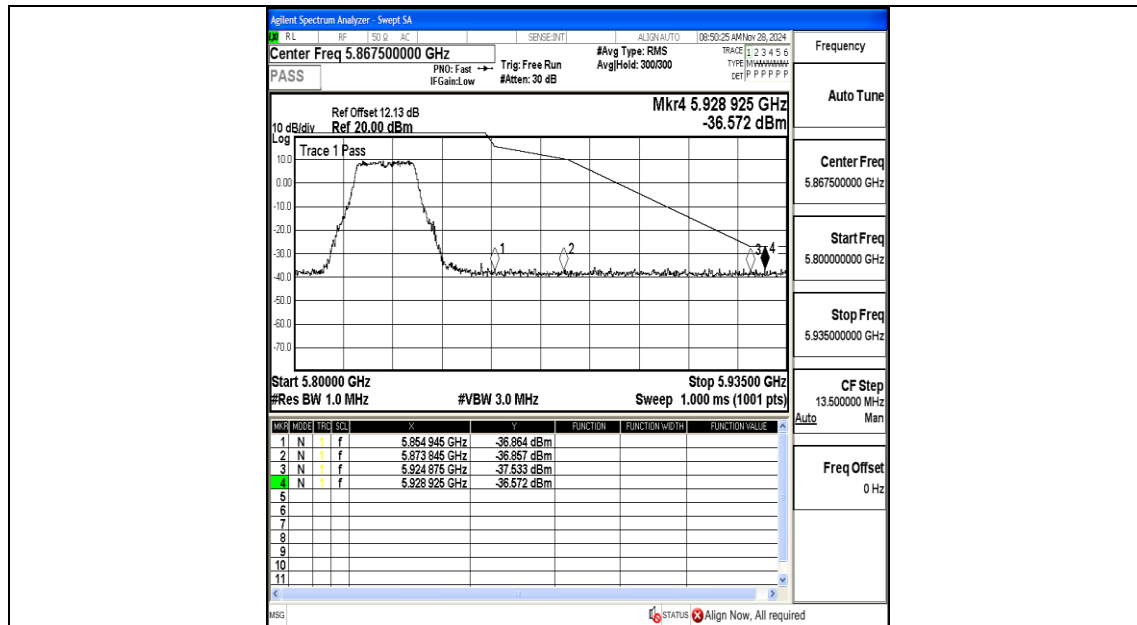
IMO							
11AC40M IMO	Ant2	High	5795	5850~5855	-36.93	≤16.41	PASS
11AC40M IMO	Ant2	High	5795	5855~5875	-35.69	≤11.03	PASS
11AC40M IMO	Ant2	High	5795	5875~5925	-37.58	≤-26.83	PASS
11AC40M IMO	Ant2	High	5795	5925~5935	-36.44	≤-27	PASS
11AC80M IMO	Ant1	Low	5775	5720~5725	-35.19	≤16.00	PASS
11AC80M IMO	Ant1	Low	5775	5700~5720	-36.73	≤10.09	PASS
11AC80M IMO	Ant1	Low	5775	5650~5700	-37.42	≤-26.46	PASS
11AC80M IMO	Ant1	Low	5775	5800~5650	-37.51	≤-27	PASS
11AC80M IMO	Ant1	High	5775	5850~5855	-35.74	≤17.10	PASS
11AC80M IMO	Ant1	High	5775	5855~5875	-36.41	≤10.09	PASS
11AC80M IMO	Ant1	High	5775	5875~5925	-37.09	≤-26.73	PASS
11AC80M IMO	Ant1	High	5775	5925~5935	-36.78	≤-27	PASS
11AC80M IMO	Ant2	Low	5775	5720~5725	-32.74	≤16.35	PASS
11AC80M IMO	Ant2	Low	5775	5700~5720	-36.91	≤10.05	PASS
11AC80M IMO	Ant2	Low	5775	5650~5700	-38.78	≤-26.69	PASS
11AC80M IMO	Ant2	Low	5775	5800~5650	-37.33	≤-27	PASS
11AC80M IMO	Ant2	High	5775	5850~5855	-36.24	≤15.84	PASS
11AC80M IMO	Ant2	High	5775	5855~5875	-36.18	≤10.60	PASS
11AC80M IMO	Ant2	High	5775	5875~5925	-36.13	≤-26.73	PASS
11AC80M IMO	Ant2	High	5775	5925~5935	-36.46	≤-27	PASS
11AX20M IMO	Ant1	Low	5745	5720~5725	-37.38	≤15.82	PASS
11AX20M IMO	Ant1	Low	5745	5700~5720	-36.38	≤10.51	PASS
11AX20M IMO	Ant1	Low	5745	5650~5700	-38.18	≤-26.79	PASS

11AX20M IMO	Ant1	Low	5745	5760~5650	-36.44	≤-27	PASS
11AX20M IMO	Ant2	Low	5745	5720~5725	-36.78	≤15.82	PASS
11AX20M IMO	Ant2	Low	5745	5700~5720	-37.01	≤10.41	PASS
11AX20M IMO	Ant2	Low	5745	5650~5700	-36.62	≤-26.53	PASS
11AX20M IMO	Ant2	Low	5745	5760~5650	-36.82	≤-27	PASS
11AX20M IMO	Ant1	High	5825	5850~5855	-37.98	≤15.73	PASS
11AX20M IMO	Ant1	High	5825	5855~5875	-36.55	≤10.40	PASS
11AX20M IMO	Ant1	High	5825	5875~5925	-37.24	≤-26.01	PASS
11AX20M IMO	Ant1	High	5825	5925~5935	-36.7	≤-27	PASS
11AX20M IMO	Ant2	High	5825	5850~5855	-37.42	≤15.73	PASS
11AX20M IMO	Ant2	High	5825	5855~5875	-36.7	≤10.47	PASS
11AX20M IMO	Ant2	High	5825	5875~5925	-36.36	≤-25.71	PASS
11AX20M IMO	Ant2	High	5825	5925~5935	-36.17	≤-27	PASS
11AX40M IMO	Ant1	Low	5755	5720~5725	-36.98	≤16.04	PASS
11AX40M IMO	Ant1	Low	5755	5700~5720	-36.6	≤10.10	PASS
11AX40M IMO	Ant1	Low	5755	5650~5700	-37.83	≤-26.80	PASS
11AX40M IMO	Ant1	Low	5755	5780~5650	-37.15	≤-27	PASS
11AX40M IMO	Ant2	Low	5755	5720~5725	-35.46	≤15.74	PASS
11AX40M IMO	Ant2	Low	5755	5700~5720	-37.21	≤10.44	PASS
11AX40M IMO	Ant2	Low	5755	5650~5700	-38.58	≤-26.80	PASS
11AX40M IMO	Ant2	Low	5755	5780~5650	-37.06	≤-27	PASS
11AX40M IMO	Ant1	High	5795	5850~5855	-38.31	≤16.03	PASS
11AX40M IMO	Ant1	High	5795	5855~5875	-36	≤11.36	PASS
11AX40M	Ant1	High	5795	5875~5925	-37.79	≤-26.95	PASS

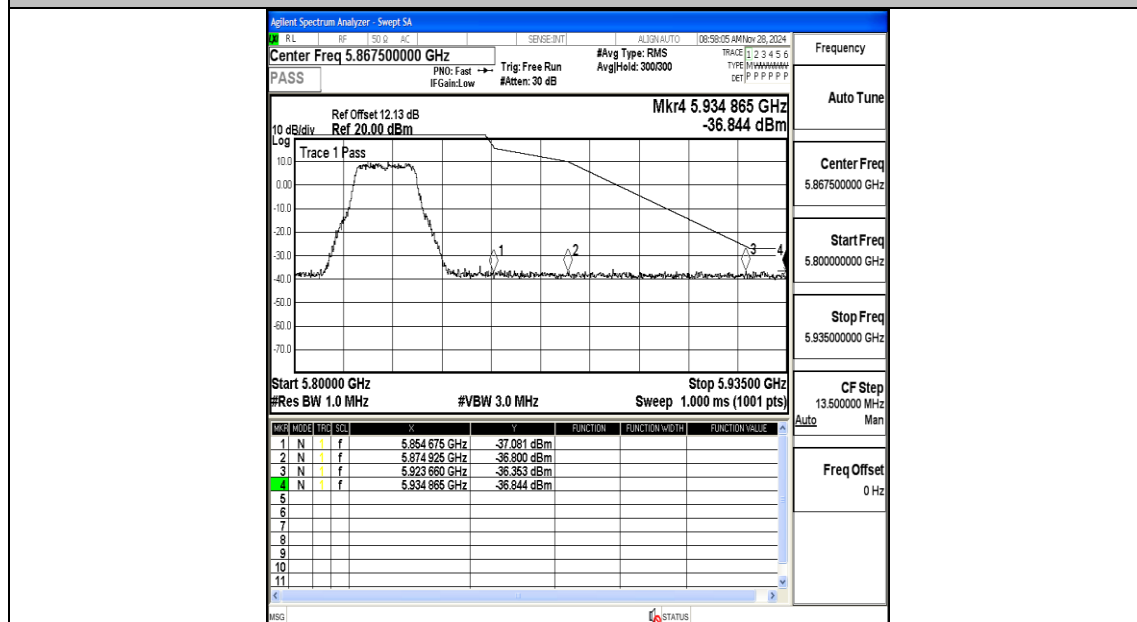
IMO							
11AX40M IMO	Ant1	High	5795	5925~5935	-36.36	≤-27	PASS
11AX40M IMO	Ant2	High	5795	5850~5855	-37.31	≤16.03	PASS
11AX40M IMO	Ant2	High	5795	5855~5875	-37.45	≤10.02	PASS
11AX40M IMO	Ant2	High	5795	5875~5925	-36.52	≤-26.71	PASS
11AX40M IMO	Ant2	High	5795	5925~5935	-36.24	≤-27	PASS
11AX80M IMO	Ant1	Low	5775	5720~5725	-34.35	≤16.35	PASS
11AX80M IMO	Ant1	Low	5775	5700~5720	-36.37	≤10.35	PASS
11AX80M IMO	Ant1	Low	5775	5650~5700	-37.13	≤-26.23	PASS
11AX80M IMO	Ant1	Low	5775	5800~5650	-37.03	≤-27	PASS
11AX80M IMO	Ant1	High	5775	5850~5855	-35.24	≤16.68	PASS
11AX80M IMO	Ant1	High	5775	5855~5875	-36.44	≤10.09	PASS
11AX80M IMO	Ant1	High	5775	5875~5925	-36.93	≤-26.05	PASS
11AX80M IMO	Ant1	High	5775	5925~5935	-37.08	≤-27	PASS
11AX80M IMO	Ant2	Low	5775	5720~5725	-35.25	≤16.00	PASS
11AX80M IMO	Ant2	Low	5775	5700~5720	-34.19	≤11.96	PASS
11AX80M IMO	Ant2	Low	5775	5650~5700	-36.68	≤-26.46	PASS
11AX80M IMO	Ant2	Low	5775	5800~5650	-36.36	≤-27	PASS
11AX80M IMO	Ant2	High	5775	5850~5855	-34.26	≤15.84	PASS
11AX80M IMO	Ant2	High	5775	5855~5875	-34.81	≤10.50	PASS
11AX80M IMO	Ant2	High	5775	5875~5925	-38.17	≤-26.87	PASS
11AX80M IMO	Ant2	High	5775	5925~5935	-36.95	≤-27	PASS

Test Graphs

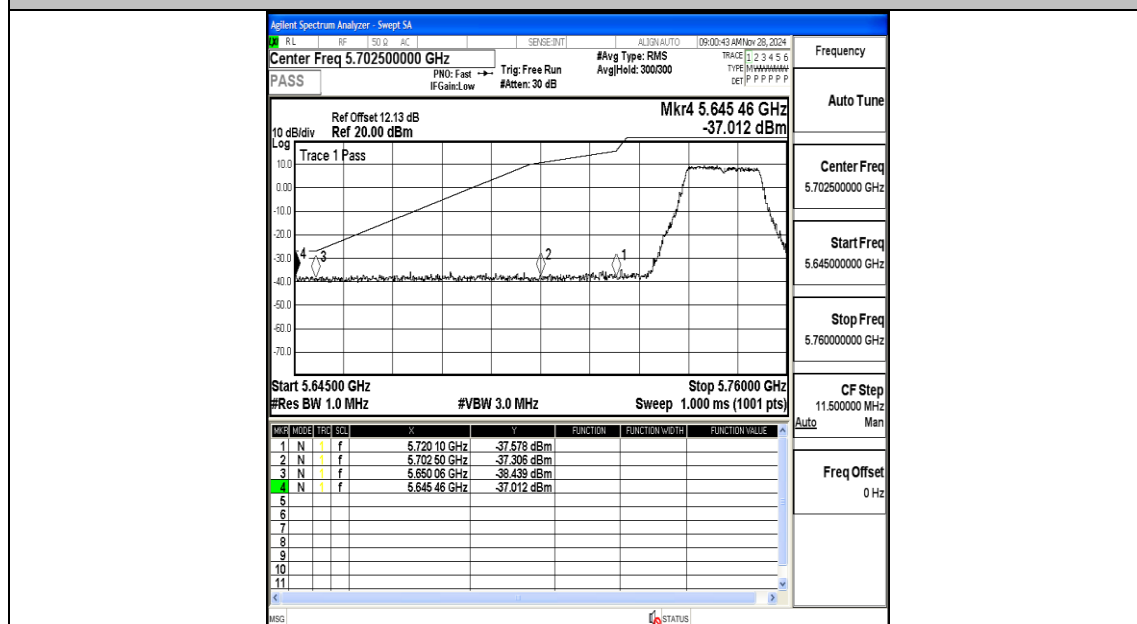




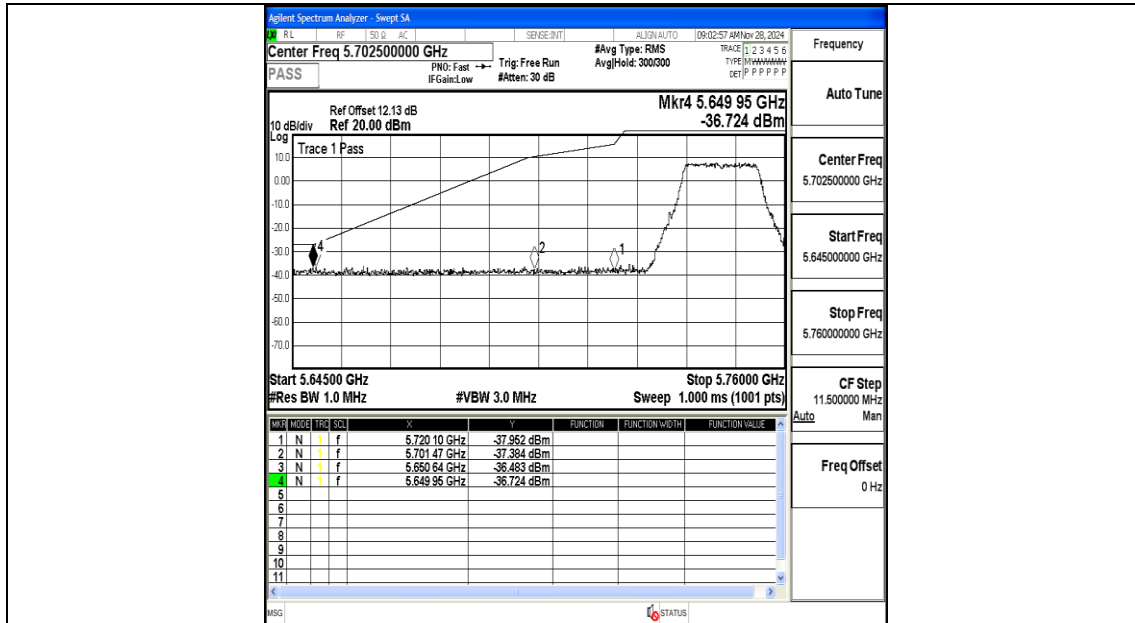
11A-Ant1-5825-PASS



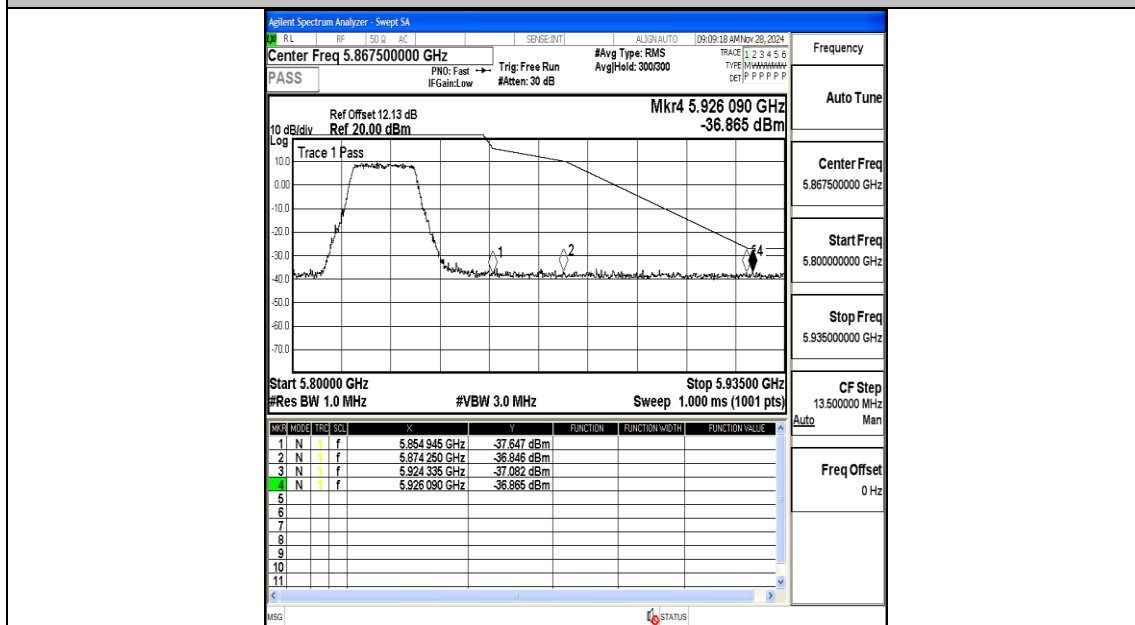
11A-Ant2-5825-PASS



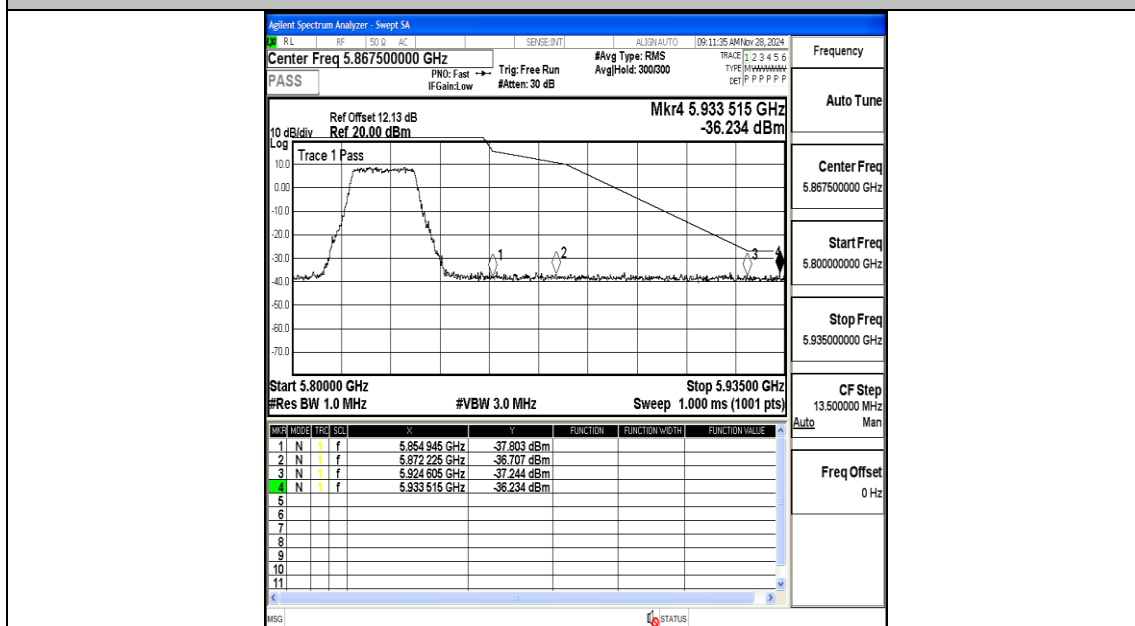
11N20MIMO-Ant1-5745-PASS



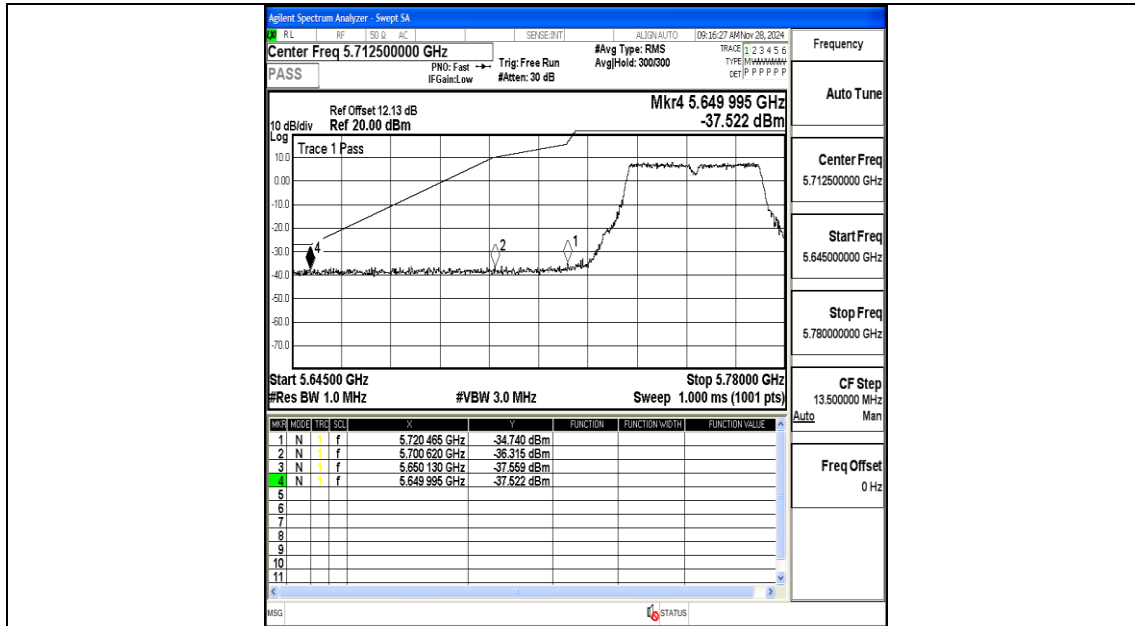
11N20MIMO-Ant2-5745-PASS



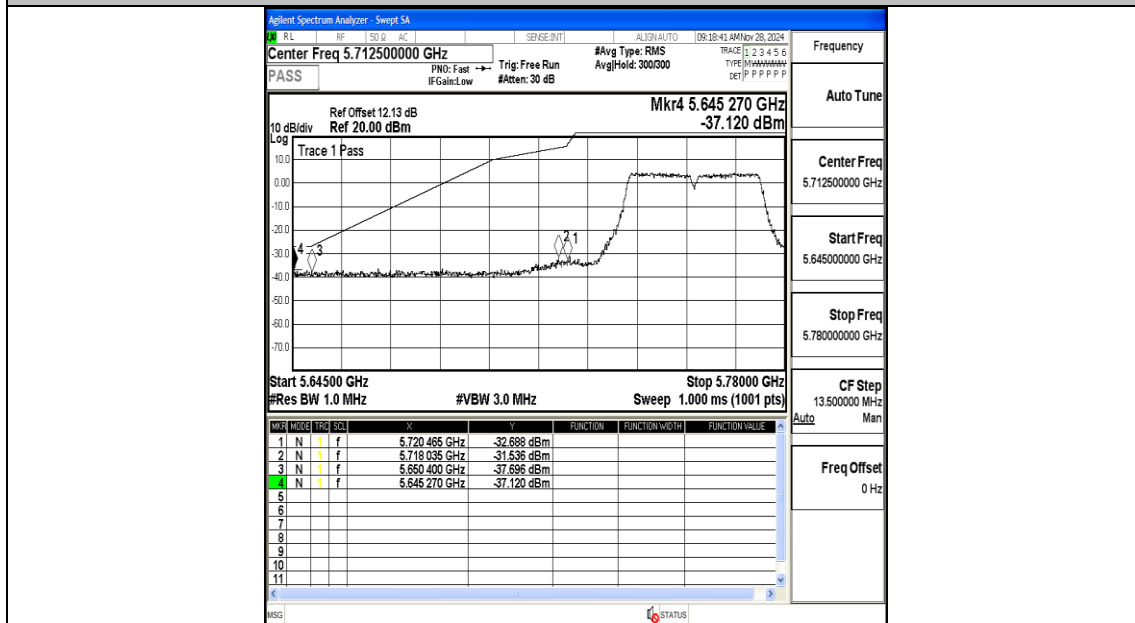
11N20MIMO-Ant1-5825-PASS



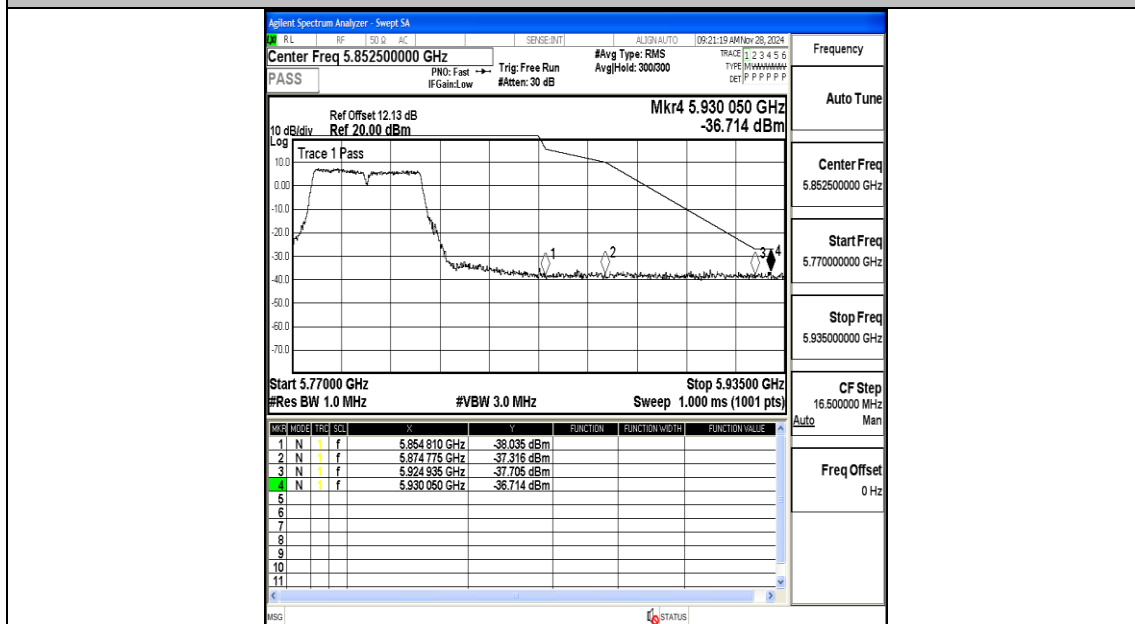
11N20MIMO-Ant2-5825-PASS



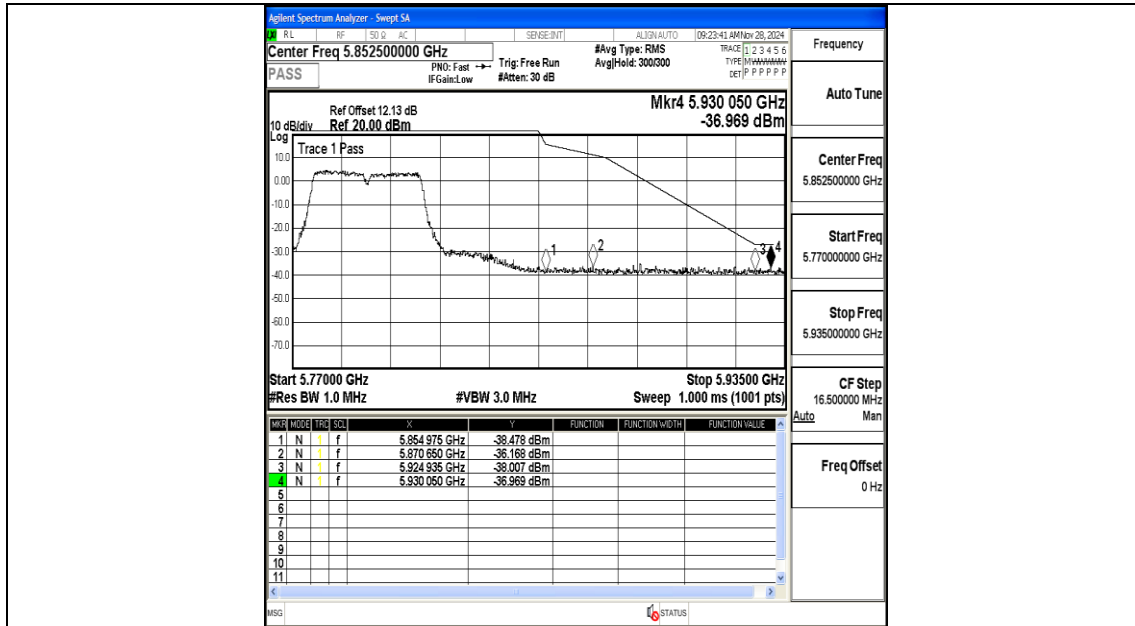
11N40MIMO-Ant1-5755-PASS



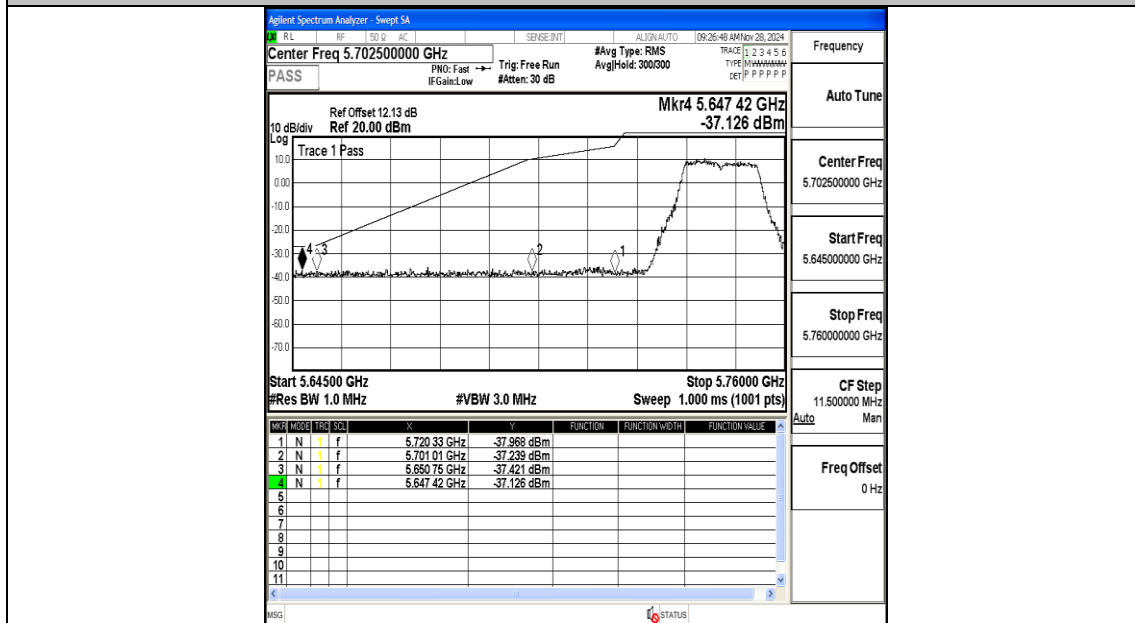
11N40MIMO-Ant2-5755-PASS



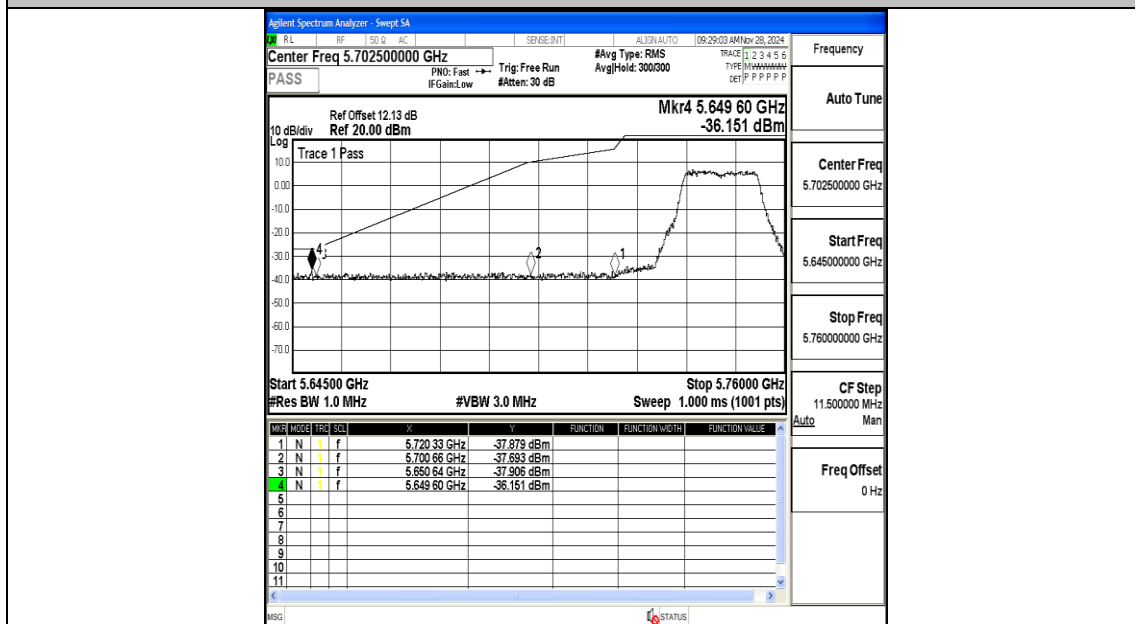
11N40MIMO-Ant1-5795-PASS



11N40MIMO-Ant2-5795-PASS

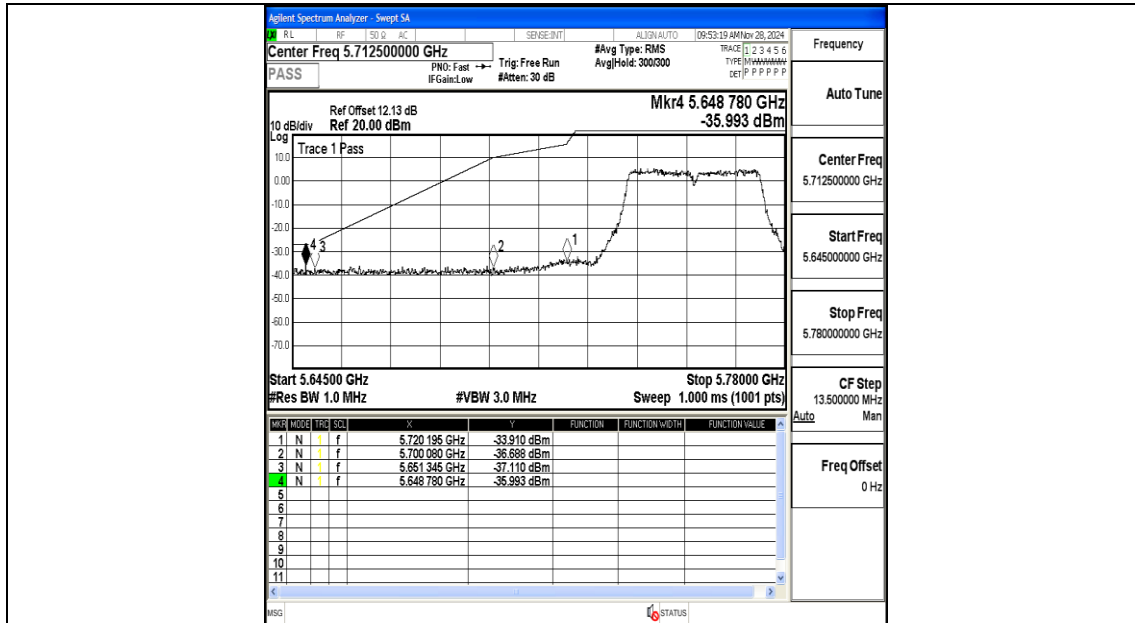


11AC20MIMO-Ant1-5745-PASS

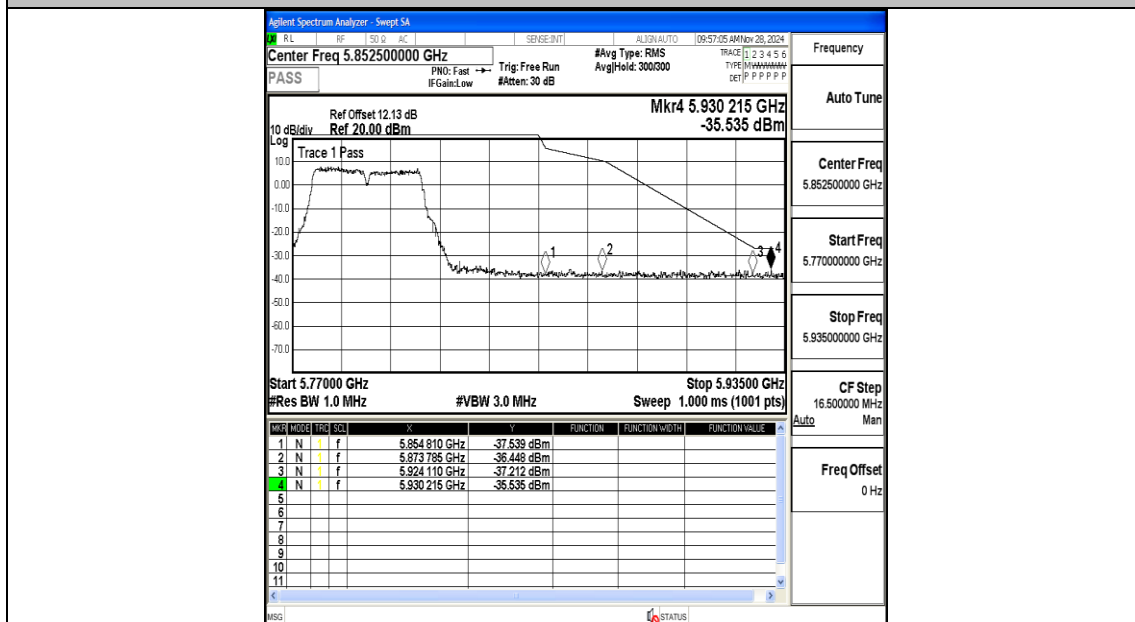


11AC20MIMO-Ant2-5745-PASS

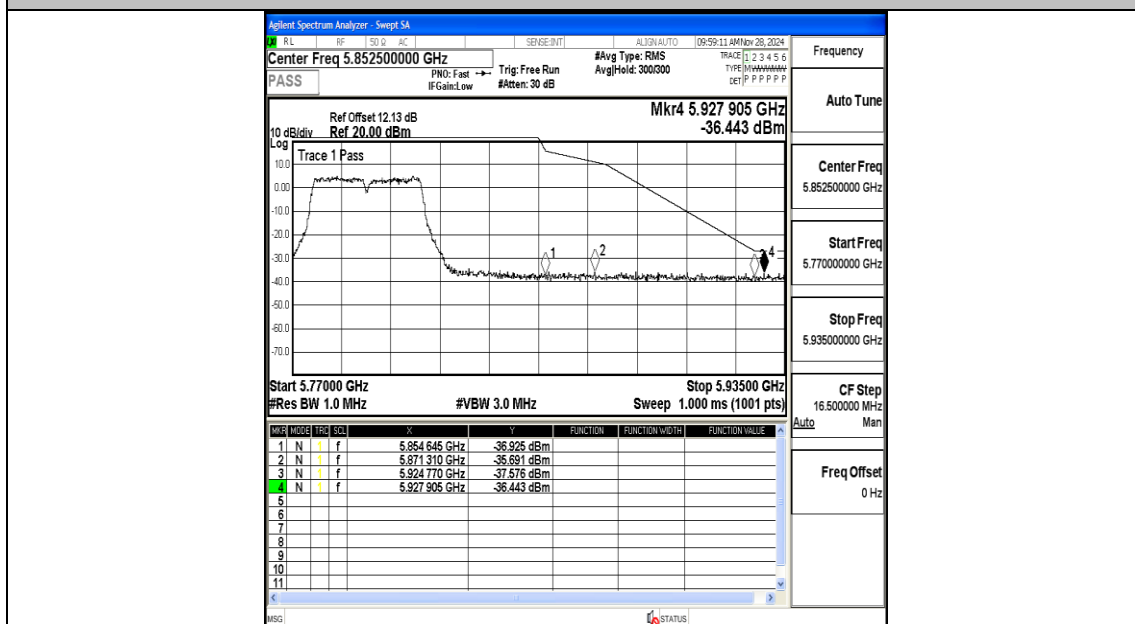




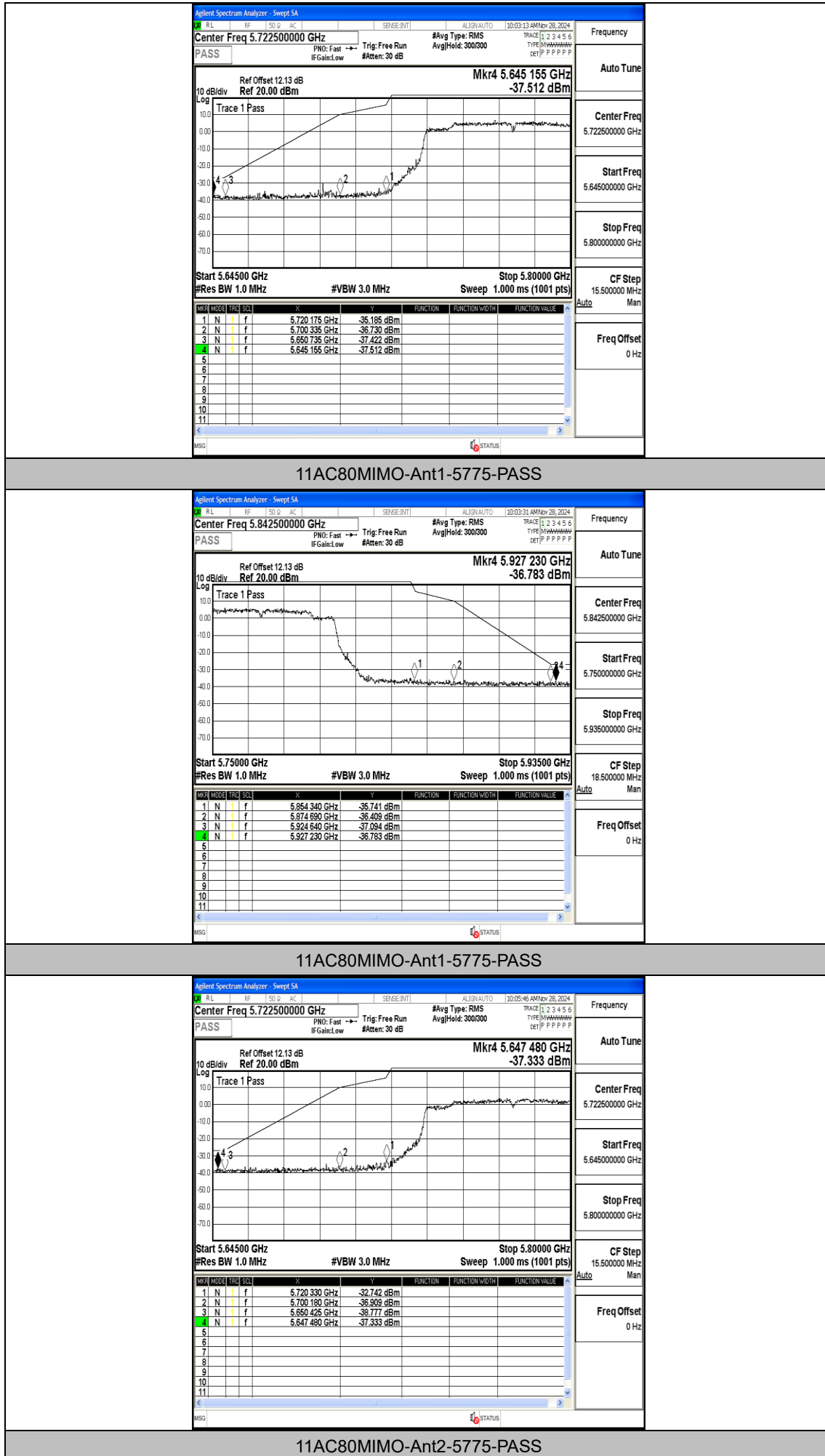
11AC40MIMO-Ant2-5755-PASS

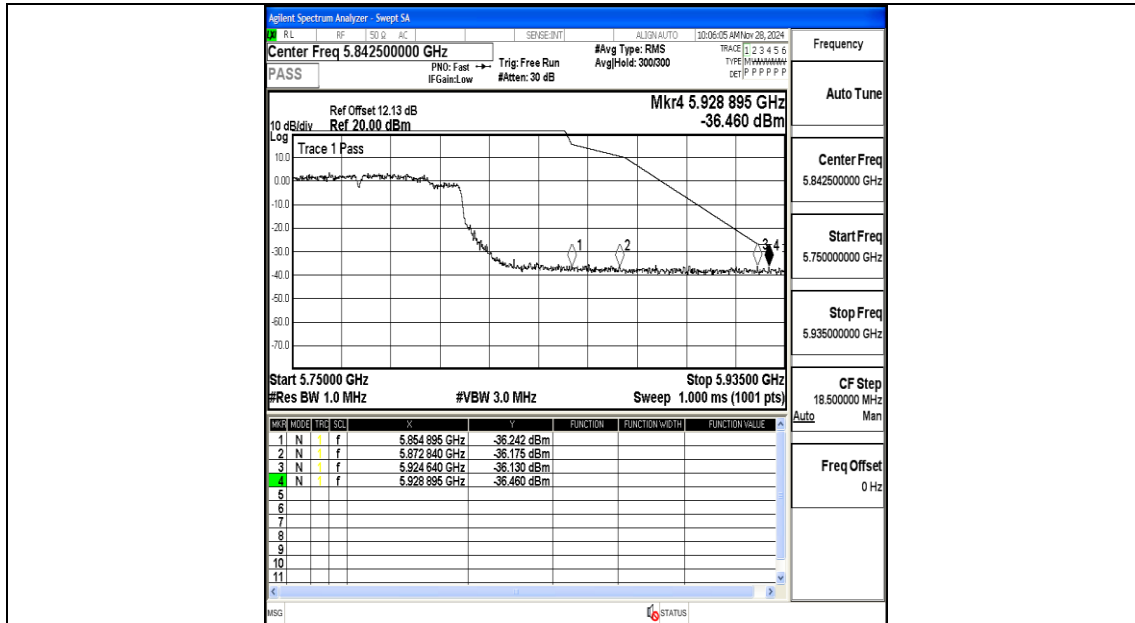


11AC40MIMO-Ant1-5795-PASS

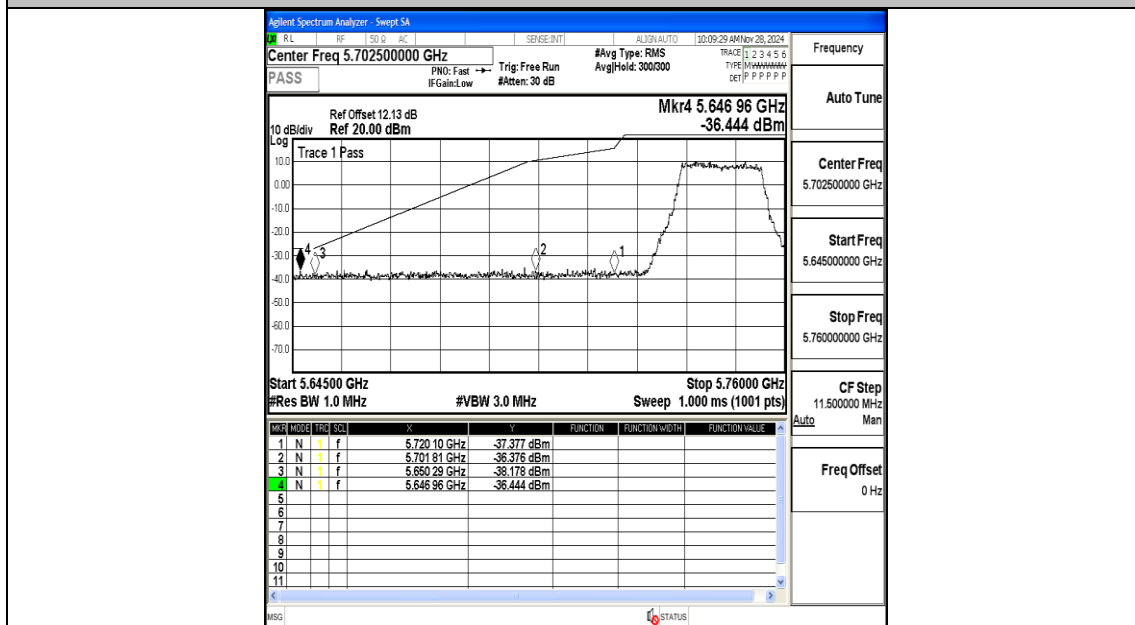


11AC40MIMO-Ant2-5795-PASS

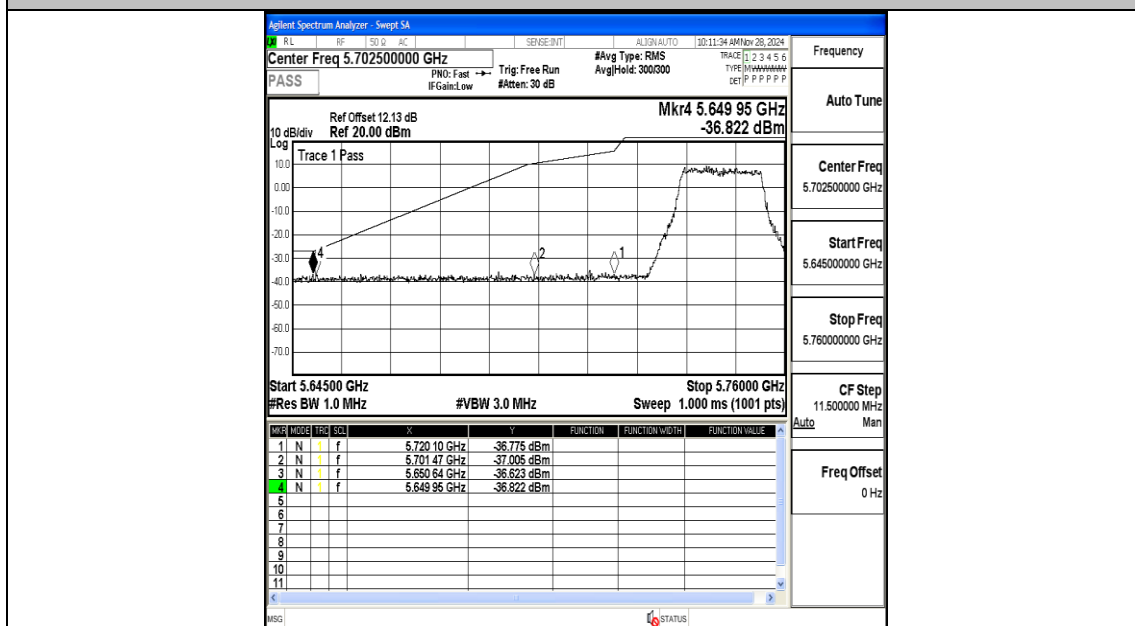




11AC80MIMO-Ant2-5775-PASS

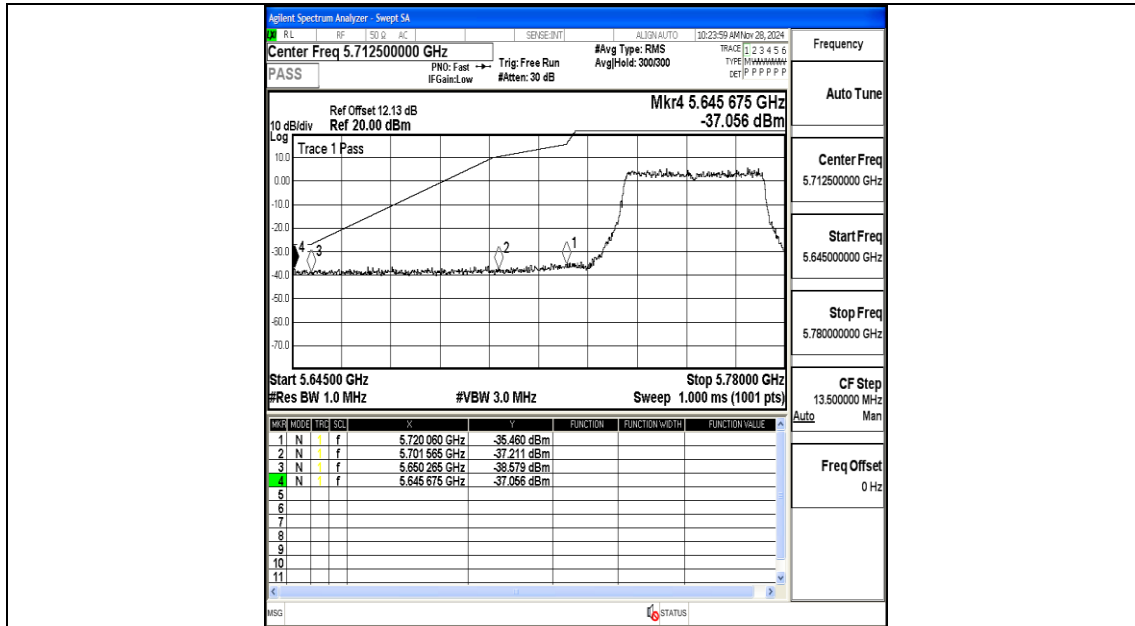


11AX20MIMO-Ant1-5745-PASS

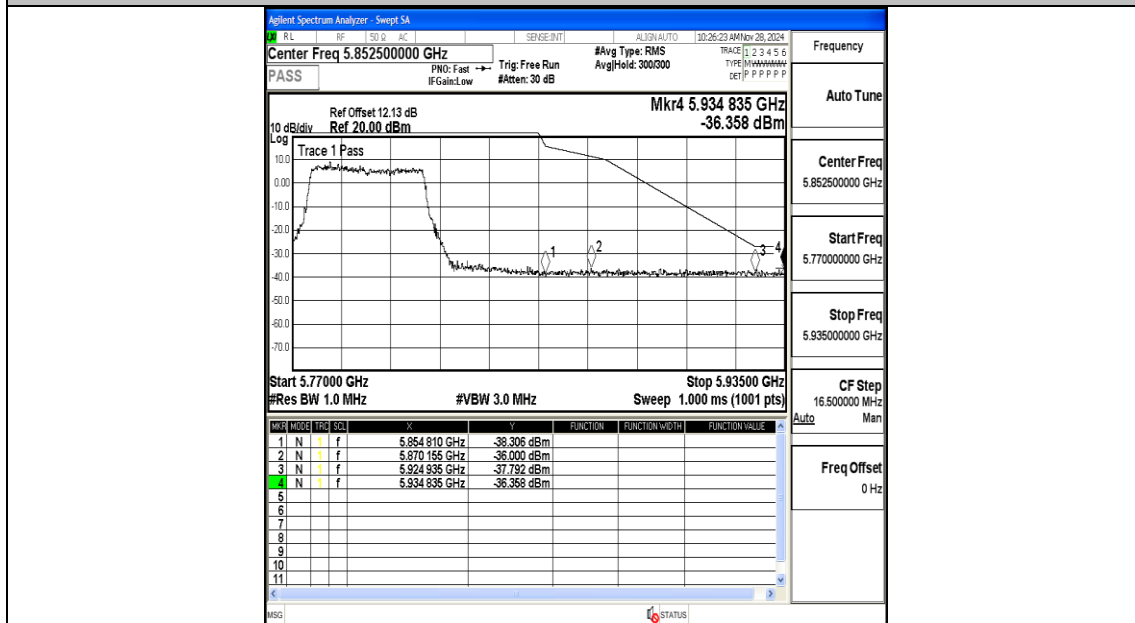


11AX20MIMO-Ant2-5745-PASS

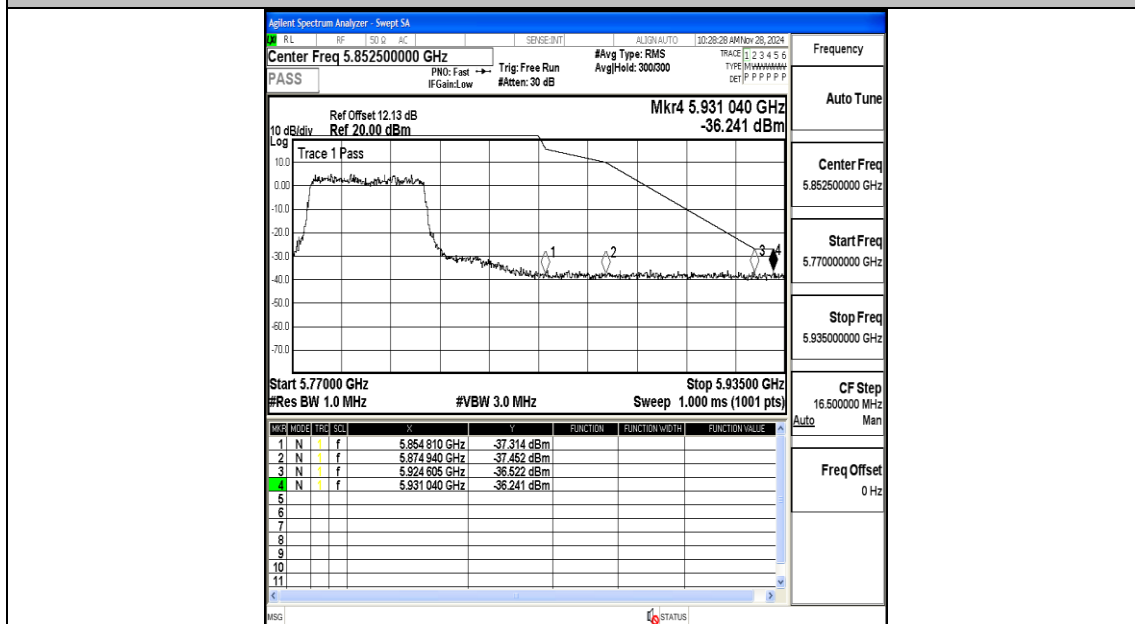




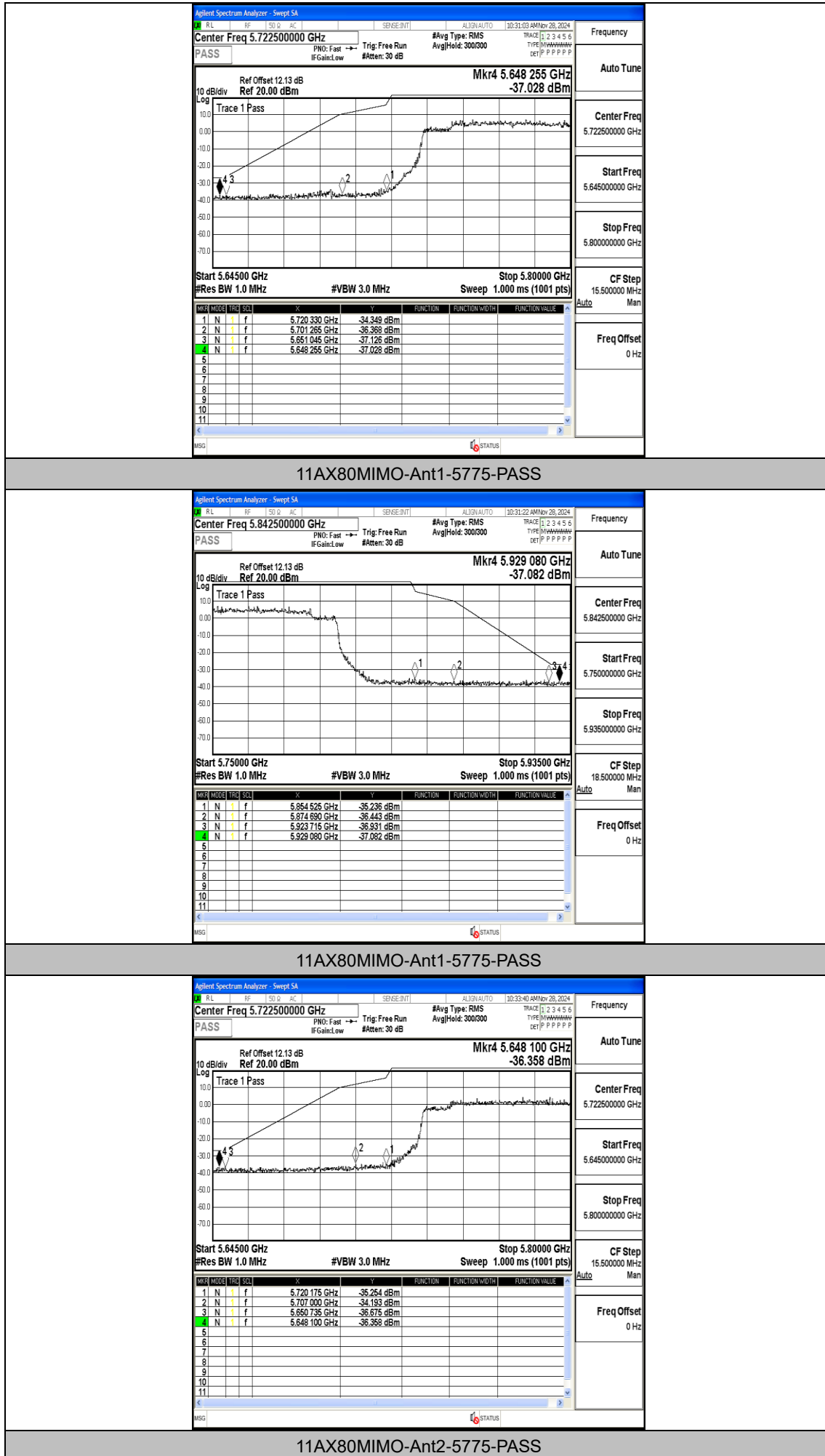
11AX40MIMO-Ant2-5755-PASS

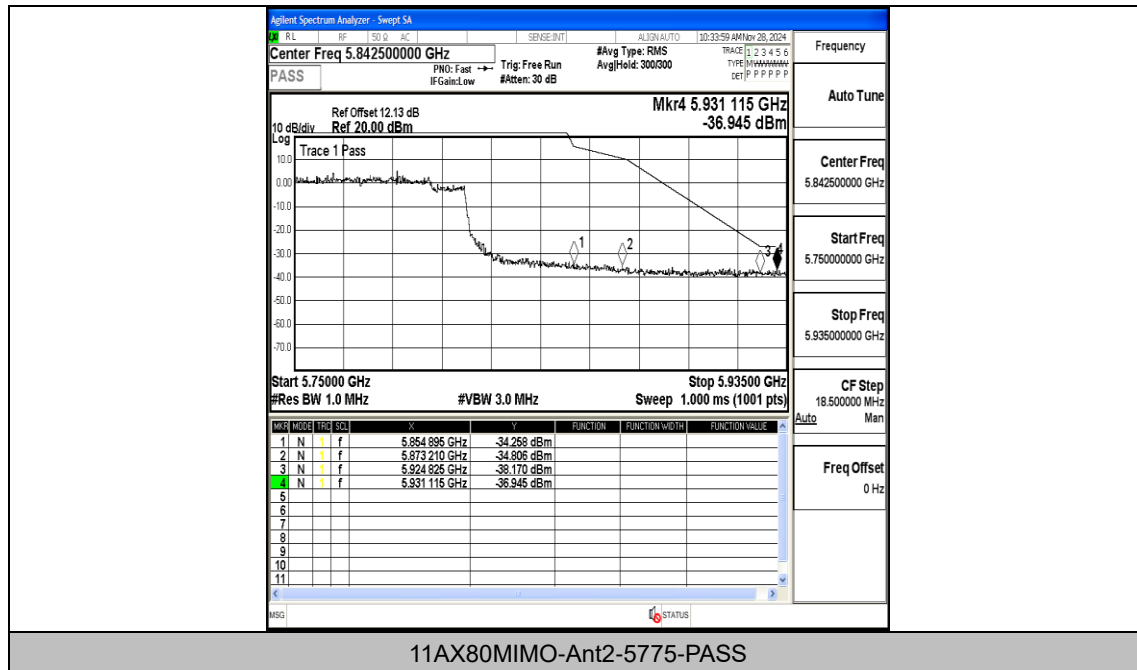


11AX40MIMO-Ant1-5795-PASS



11AX40MIMO-Ant2-5795-PASS





Appendix E: Frequency Stability

Test Result

Ant1

Frequency (MHz)	Environment Temperature (Degree)	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)	Environment Temperature (Degree)	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)	Environment Temperature (Degree)	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)	Environment Temperature (Degree)	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