









11.4. APPENDIX D: MAXIMUM CONDUCTED OUTPUT POWER

11.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	16.89	≤30.00	---	18.28	≤22.14	PASS
	Ant1	5200	17.32	≤30.00	---	18.71	≤22.15	PASS
	Ant1	5240	17.56	≤30.00	---	18.95	≤22.13	PASS
	Ant1	5745	16.14	≤30.00	≤30.00	15.78	---	PASS
	Ant1	5785	15.37	≤30.00	≤30.00	15.01	---	PASS
	Ant1	5825	15.55	≤30.00	≤30.00	15.19	---	PASS
11N20MIMO	Ant0	5180	11.33	≤30.00	---	12.72	≤22.45	PASS
	Ant1	5180	12.71	≤30.00	---	14.05	≤22.44	PASS
	total	5180	15.08	≤30.00	---	16.47	≤22.44	PASS
	Ant0	5200	10.78	≤30.00	---	12.17	≤22.43	PASS
	Ant1	5200	12.91	≤30.00	---	14.25	≤22.44	PASS
	total	5200	14.98	≤30.00	---	16.37	≤22.43	PASS
	Ant0	5240	10.61	≤30.00	---	12.00	≤22.42	PASS
	Ant1	5240	12.49	≤30.00	---	13.83	≤22.42	PASS
	total	5240	14.66	≤30.00	---	16.05	≤22.42	PASS
	Ant0	5745	13.79	≤30.00	≤30.00	13.43	---	PASS
	Ant1	5745	14.84	≤30.00	≤30.00	15.64	---	PASS
	total	5745	17.36	≤30.00	≤30.00	18.16	---	PASS
	Ant0	5785	13.98	≤30.00	≤30.00	13.62	---	PASS
	Ant1	5785	14.49	≤30.00	≤30.00	15.29	---	PASS
	total	5785	17.25	≤30.00	≤30.00	18.05	---	PASS
	Ant0	5825	12.81	≤30.00	≤30.00	12.45	---	PASS
	Ant1	5825	13.88	≤30.00	≤30.00	14.68	---	PASS
	total	5825	16.39	≤30.00	≤30.00	17.19	---	PASS
11N40MIMO	Ant0	5190	13.08	≤30.00	---	14.47	≤23.00	PASS
	Ant1	5190	15.81	≤30.00	---	17.15	≤23.00	PASS
	total	5190	17.67	≤30.00	---	19.06	≤23.00	PASS
	Ant0	5230	13.07	≤30.00	---	14.46	≤23.00	PASS
	Ant1	5230	15.63	≤30.00	---	16.97	≤23.00	PASS
	total	5230	17.55	≤30.00	---	18.94	≤23.00	PASS
	Ant0	5755	14.75	≤30.00	≤30.00	14.39	---	PASS
	Ant1	5755	15.78	≤30.00	≤30.00	16.58	---	PASS
	total	5755	18.31	≤30.00	≤30.00	19.11	---	PASS
	Ant0	5795	15.21	≤30.00	≤30.00	14.85	---	PASS
11AC80MIMO	Ant1	5795	16.10	≤30.00	≤30.00	16.90	---	PASS
	total	5795	18.69	≤30.00	≤30.00	19.49	---	PASS
	Ant0	5210	16.32	≤30.00	---	17.71	≤23.00	PASS
	Ant1	5210	18.79	≤30.00	---	20.13	≤23.00	PASS
	total	5210	20.74	≤30.00	---	22.13	≤23.00	PASS
	Ant0	5775	17.67	≤30.00	≤30.00	17.31	---	PASS
11AX20MIMO	Ant1	5775	17.52	≤30.00	≤30.00	18.32	---	PASS
	total	5775	20.61	≤30.00	≤30.00	21.41	---	PASS
	Ant0	5180	10.35	≤30.00	---	11.74	≤22.75	PASS
	Ant1	5180	12.67	≤30.00	---	14.01	≤22.76	PASS
	total	5180	14.67	≤30.00	---	16.06	≤22.75	PASS
	Ant0	5200	10.60	≤30.00	---	11.99	≤22.76	PASS
	Ant1	5200	12.78	≤30.00	---	14.12	≤22.74	PASS
	total	5200	14.84	≤30.00	---	16.23	≤22.74	PASS
	Ant0	5240	10.82	≤30.00	---	12.03	≤22.74	PASS
	Ant1	5240	12.79	≤30.00	---	14.13	≤22.75	PASS
	total	5240	14.93	≤30.00	---	16.27	≤22.74	PASS
	Ant0	5745	12.86	≤30.00	≤30.00	12.50	---	PASS
11AX20MIMO	Ant1	5745	13.64	≤30.00	≤30.00	14.44	---	PASS
	total	5745	16.28	≤30.00	≤30.00	17.08	---	PASS

	Ant0	5785	13.82	≤30.00	≤30.00	13.46	---	PASS
	Ant1	5785	13.81	≤30.00	≤30.00	14.61	---	PASS
	total	5785	16.83	≤30.00	≤30.00	17.63	---	PASS
	Ant0	5825	13.45	≤30.00	≤30.00	13.09	---	PASS
	Ant1	5825	13.12	≤30.00	≤30.00	13.92	---	PASS
	total	5825	16.30	≤30.00	≤30.00	17.10	---	PASS
11AX40MIMO	Ant0	5190	13.07	≤30.00	---	14.46	≤23.00	PASS
	Ant1	5190	15.52	≤30.00	---	16.86	≤23.00	PASS
	total	5190	17.48	≤30.00	---	18.87	≤23.00	PASS
	Ant0	5230	13.14	≤30.00	---	14.53	≤23.00	PASS
	Ant1	5230	15.36	≤30.00	---	16.70	≤23.00	PASS
	total	5230	17.40	≤30.00	---	18.79	≤23.00	PASS
	Ant0	5755	15.16	≤30.00	≤30.00	14.80	---	PASS
	Ant1	5755	15.81	≤30.00	≤30.00	16.61	---	PASS
	total	5755	18.51	≤30.00	≤30.00	19.31	---	PASS
	Ant0	5795	14.54	≤30.00	≤30.00	14.18	---	PASS
	Ant1	5795	14.95	≤30.00	≤30.00	15.75	---	PASS
	total	5795	17.76	≤30.00	≤30.00	18.56	---	PASS
11AX80MIMO	Ant0	5210	17.24	≤30.00	---	18.63	≤23.00	PASS
	Ant1	5210	17.69	≤30.00	---	19.03	≤23.00	PASS
	total	5210	20.48	≤30.00	---	21.87	≤23.00	PASS
	Ant0	5775	18.48	≤30.00	≤30.00	18.12	---	PASS
	Ant1	5775	18.27	≤30.00	≤30.00	19.07	---	PASS
	total	5775	21.39	≤30.00	≤30.00	22.19	---	PASS
11BE20MIMO	Ant0	5180	11.59	≤30.00	---	12.98	≤22.76	PASS
	Ant1	5180	13.01	≤30.00	---	14.35	≤22.76	PASS
	total	5180	15.37	≤30.00	---	16.76	≤22.76	PASS
	Ant0	5200	11.64	≤30.00	---	13.03	≤22.74	PASS
	Ant1	5200	12.97	≤30.00	---	14.31	≤22.75	PASS
	total	5200	15.37	≤30.00	---	16.76	≤22.74	PASS
	Ant0	5240	11.63	≤30.00	---	13.02	≤22.75	PASS
	Ant1	5240	12.88	≤30.00	---	14.22	≤22.74	PASS
	total	5240	15.31	≤30.00	---	16.70	≤22.74	PASS
	Ant0	5745	11.65	≤30.00	≤30.00	11.29	---	PASS
	Ant1	5745	11.36	≤30.00	≤30.00	12.16	---	PASS
	total	5745	14.52	≤30.00	≤30.00	15.32	---	PASS
	Ant0	5785	11.62	≤30.00	≤30.00	11.26	---	PASS
	Ant1	5785	11.19	≤30.00	≤30.00	11.99	---	PASS
	total	5785	14.42	≤30.00	≤30.00	15.22	---	PASS
	Ant0	5825	11.66	≤30.00	≤30.00	11.30	---	PASS
	Ant1	5825	11.18	≤30.00	≤30.00	11.98	---	PASS
	total	5825	14.44	≤30.00	≤30.00	15.24	---	PASS
11BE40MIMO	Ant0	5190	12.02	≤30.00	---	13.41	≤23.00	PASS
	Ant1	5190	13.28	≤30.00	---	14.62	≤23.00	PASS
	total	5190	15.71	≤30.00	---	17.10	≤23.00	PASS
	Ant0	5230	12.58	≤30.00	---	13.97	≤23.00	PASS
	Ant1	5230	13.32	≤30.00	---	14.66	≤23.00	PASS
	total	5230	15.98	≤30.00	---	17.37	≤23.00	PASS
	Ant0	5755	16.55	≤30.00	≤30.00	16.19	---	PASS
	Ant1	5755	16.06	≤30.00	≤30.00	16.86	---	PASS
	total	5755	19.32	≤30.00	≤30.00	20.12	---	PASS
	Ant0	5795	16.04	≤30.00	≤30.00	15.68	---	PASS
	Ant1	5795	15.57	≤30.00	≤30.00	16.37	---	PASS
	total	5795	18.82	≤30.00	≤30.00	19.62	---	PASS
11BE80MIMO	Ant0	5210	15.62	≤30.00	---	17.01	≤23.00	PASS
	Ant1	5210	16.57	≤30.00	---	17.91	≤23.00	PASS
	total	5210	19.13	≤30.00	---	20.52	≤23.00	PASS
	Ant0	5775	14.51	≤30.00	≤30.00	14.15	---	PASS
	Ant1	5775	14.71	≤30.00	≤30.00	15.51	---	PASS
	total	5775	17.62	≤30.00	≤30.00	18.42	---	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

11.4.2. Test Result-Addition SISO

Test Mode	Antenna	Frequency[MHz]	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11N20SISO	Ant1	5180	17.03	≤23.98	---	18.37	≤22.44	PASS
		5200	17.03	≤23.98	---	18.37	≤22.44	PASS
		5240	17.26	≤23.98	---	18.60	≤22.42	PASS
		5745	17.23	≤30.00	≤30.00	18.03	---	PASS
		5785	16.55	≤30.00	≤30.00	17.35	---	PASS
		5825	15.44	≤30.00	≤30.00	16.24	---	PASS
11N40SISO	Ant1	5190	18.51	≤23.98	---	19.85	≤23.00	PASS
		5230	17.28	≤23.98	---	18.62	≤23.00	PASS
		5755	16.65	≤30.00	≤30.00	17.45	---	PASS
11AX20SISO	Ant1	5180	17.57	≤23.98	---	18.91	≤22.75	PASS
		5200	17.53	≤23.98	---	18.87	≤22.74	PASS
		5240	17.36	≤23.98	---	18.70	≤22.75	PASS
		5745	16.78	≤30.00	≤30.00	17.58	---	PASS
		5785	16.10	≤30.00	≤30.00	16.90	---	PASS
		5825	15.12	≤30.00	≤30.00	15.92	---	PASS
11AX40SISO	Ant1	5190	18.22	≤23.98	---	19.56	≤23.00	PASS
		5230	17.48	≤23.98	---	18.82	≤23.00	PASS
11BE20SISO	Ant1	5180	17.25	≤23.98	---	18.59	≤22.76	PASS
		5200	17.32	≤23.98	---	18.66	≤22.75	PASS
		5240	17.59	≤23.98	---	18.93	≤22.74	PASS
		5745	16.88	≤30.00	≤30.00	17.68	---	PASS
		5785	16.11	≤30.00	≤30.00	16.91	---	PASS
		5825	16.21	≤30.00	≤30.00	17.01	---	PASS
11BE40SISO	Ant1	5190	20.91	≤23.98	---	22.25	≤23.00	PASS
		5230	20.66	≤23.98	---	22.00	≤23.00	PASS
		5755	18.93	≤30.00	≤30.00	19.73	---	PASS
		5795	17.90	≤30.00	≤30.00	18.70	---	PASS
11BE80SISO	Ant1	5210	18.37	≤23.98	---	19.71	≤23.00	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor

- The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.
- Addition SISO mode at higher power settings is tested only when the MIMO power setting is lower than expected for SISO.

11.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY

11.5.1. Test Result

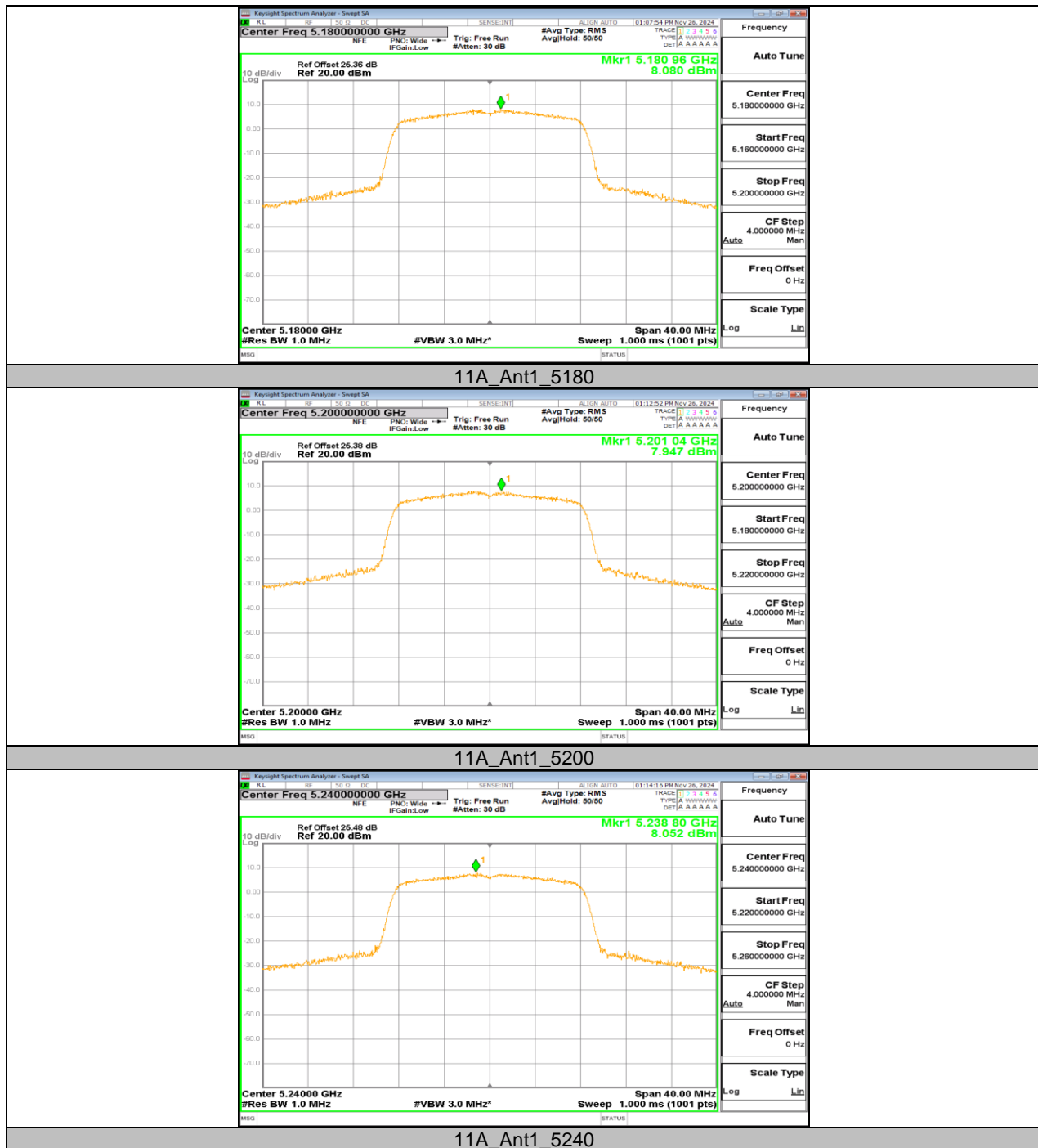
Test Mode	Antenna	Frequency[MHz]	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	8.08	≤17.00	9.47	≤10.00	PASS
	Ant1	5200	7.95	≤17.00	9.34	≤10.00	PASS
	Ant1	5240	8.05	≤17.00	9.44	≤10.00	PASS
	Ant1	5745	3.59	≤30.00	3.23	---	PASS
	Ant1	5785	3.12	≤30.00	2.76	---	PASS
	Ant1	5825	2.55	≤30.00	2.19	---	PASS
11N20MIMO	Ant0	5180	0.97	≤17.00	2.36	≤10.00	PASS
	Ant1	5180	2.55	≤17.00	3.89	≤10.00	PASS
	total	5180	4.84	≤17.00	9.24	≤10.00	PASS
	Ant0	5200	0.69	≤17.00	2.08	≤10.00	PASS
	Ant1	5200	2.80	≤17.00	4.14	≤10.00	PASS
	total	5200	4.88	≤17.00	9.28	≤10.00	PASS
	Ant0	5240	0.72	≤17.00	2.11	≤10.00	PASS
	Ant1	5240	2.71	≤17.00	4.05	≤10.00	PASS
	total	5240	4.84	≤17.00	9.24	≤10.00	PASS
	Ant0	5745	1.24	≤30.00	0.88	---	PASS
	Ant1	5745	2.40	≤30.00	3.20	---	PASS
	total	5745	4.87	≤30.00	8.68	---	PASS
	Ant0	5785	1.59	≤30.00	1.23	---	PASS
	Ant1	5785	1.53	≤30.00	2.33	---	PASS
	total	5785	4.57	≤30.00	8.38	---	PASS
	Ant0	5825	0.96	≤30.00	0.60	---	PASS
	Ant1	5825	1.41	≤30.00	2.21	---	PASS
	total	5825	4.20	≤30.00	8.01	---	PASS
11N40MIMO	Ant0	5190	0.60	≤17.00	1.99	≤10.00	PASS
	Ant1	5190	2.92	≤17.00	4.26	≤10.00	PASS
	total	5190	4.92	≤17.00	9.32	≤10.00	PASS
	Ant0	5230	0.43	≤17.00	1.82	≤10.00	PASS
	Ant1	5230	2.63	≤17.00	3.97	≤10.00	PASS
	total	5230	4.68	≤17.00	9.08	≤10.00	PASS
	Ant0	5755	-1.49	≤30.00	-1.85	---	PASS
	Ant1	5755	-0.13	≤30.00	0.67	---	PASS
	total	5755	2.25	≤30.00	6.06	---	PASS
	Ant0	5795	-0.16	≤30.00	-0.52	---	PASS
	Ant1	5795	0.56	≤30.00	1.36	---	PASS
	total	5795	3.23	≤30.00	7.04	---	PASS
11AC80MIMO	Ant0	5210	0.48	≤17.00	1.87	≤10.00	PASS
	Ant1	5210	3.21	≤17.00	4.55	≤10.00	PASS
	total	5210	5.07	≤17.00	9.47	≤10.00	PASS
	Ant0	5775	-1.74	≤30.00	-2.10	---	PASS
	Ant1	5775	-1.90	≤30.00	-1.10	---	PASS
	total	5775	1.19	≤30.00	5.00	---	PASS
11AX20MIMO	Ant0	5180	0.27	≤17.00	1.66	≤10.00	PASS
	Ant1	5180	2.77	≤17.00	4.11	≤10.00	PASS
	total	5180	4.71	≤17.00	9.11	≤10.00	PASS
	Ant0	5200	0.35	≤17.00	1.74	≤10.00	PASS
	Ant1	5200	2.80	≤17.00	4.14	≤10.00	PASS
	total	5200	4.76	≤17.00	9.16	≤10.00	PASS
	Ant0	5240	1.16	≤17.00	2.37	≤10.00	PASS
	Ant1	5240	3.00	≤17.00	4.34	≤10.00	PASS
	total	5240	5.19	≤17.00	9.54	≤10.00	PASS
	Ant0	5745	0.10	≤30.00	-0.26	---	PASS
	Ant1	5745	0.64	≤30.00	1.44	---	PASS
	total	5745	3.39	≤30.00	7.20	---	PASS
	Ant0	5785	1.24	≤30.00	0.88	---	PASS

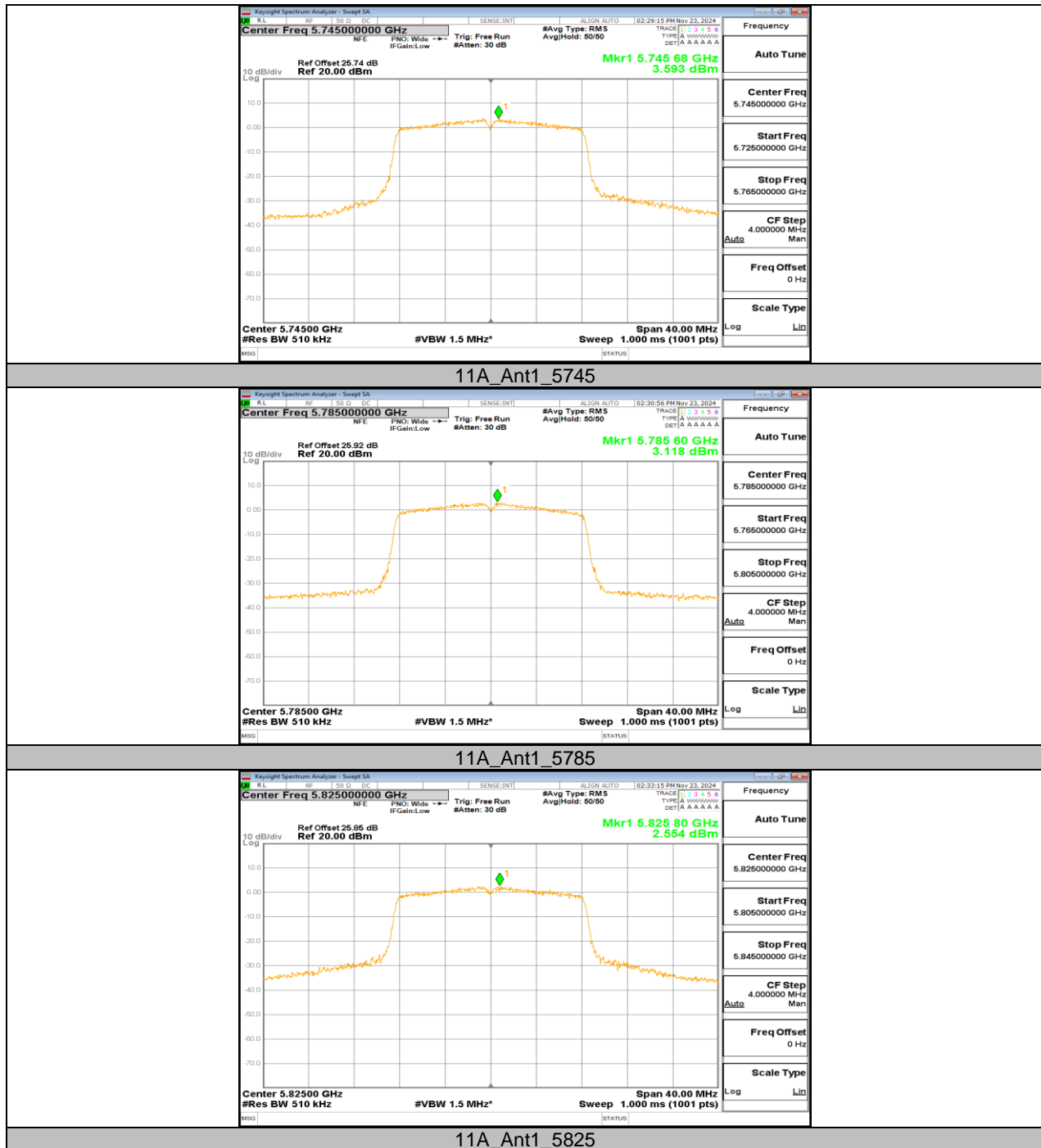
	Ant1	5785	1.16	≤30.00	1.96	---	PASS
	total	5785	4.21	≤30.00	8.02	---	PASS
	Ant0	5825	0.80	≤30.00	0.44	---	PASS
	Ant1	5825	0.46	≤30.00	1.26	---	PASS
	total	5825	3.64	≤30.00	7.45	---	PASS
11AX40MIMO	Ant0	5190	0.56	≤17.00	1.95	≤10.00	PASS
	Ant1	5190	2.56	≤17.00	3.90	≤10.00	PASS
	total	5190	4.68	≤17.00	9.08	≤10.00	PASS
	Ant0	5230	0.35	≤17.00	1.74	≤10.00	PASS
	Ant1	5230	3.13	≤17.00	4.47	≤10.00	PASS
	total	5230	4.97	≤17.00	9.37	≤10.00	PASS
	Ant0	5755	-0.49	≤30.00	-0.85	---	PASS
	Ant1	5755	0.07	≤30.00	0.87	---	PASS
	total	5755	2.81	≤30.00	6.62	---	PASS
	Ant0	5795	-0.68	≤30.00	-1.04	---	PASS
	Ant1	5795	-1.15	≤30.00	-0.35	---	PASS
	total	5795	2.10	≤30.00	5.91	---	PASS
11AX80MIMO	Ant0	5210	1.43	≤17.00	2.82	≤10.00	PASS
	Ant1	5210	1.99	≤17.00	3.33	≤10.00	PASS
	total	5210	4.73	≤17.00	9.13	≤10.00	PASS
	Ant0	5775	-1.74	≤30.00	-2.10	---	PASS
	Ant1	5775	-1.90	≤30.00	-1.10	---	PASS
11BE20MIMO	total	5775	1.19	≤30.00	5.00	---	PASS
	Ant0	5180	1.58	≤17.00	2.97	≤10.00	PASS
	Ant1	5180	2.91	≤17.00	4.25	≤10.00	PASS
	total	5180	5.31	≤17.00	9.71	≤10.00	PASS
	Ant0	5200	1.45	≤17.00	2.84	≤10.00	PASS
	Ant1	5200	2.99	≤17.00	4.33	≤10.00	PASS
	total	5200	5.30	≤17.00	9.70	≤10.00	PASS
	Ant0	5240	1.46	≤17.00	2.85	≤10.00	PASS
	Ant1	5240	2.71	≤17.00	4.05	≤10.00	PASS
	total	5240	5.14	≤17.00	9.54	≤10.00	PASS
	Ant0	5745	-0.43	≤30.00	-0.79	---	PASS
	Ant1	5745	-1.31	≤30.00	-0.51	---	PASS
	total	5745	2.16	≤30.00	5.97	---	PASS
	Ant0	5785	-1.06	≤30.00	-1.42	---	PASS
	Ant1	5785	-1.19	≤30.00	-0.39	---	PASS
	total	5785	1.89	≤30.00	5.70	---	PASS
	Ant0	5825	-1.30	≤30.00	-1.66	---	PASS
	Ant1	5825	-1.69	≤30.00	-0.89	---	PASS
	total	5825	1.52	≤30.00	5.33	---	PASS
11BE40MIMO	Ant0	5190	-1.28	≤17.00	0.11	≤10.00	PASS
	Ant1	5190	0.34	≤17.00	1.68	≤10.00	PASS
	total	5190	2.62	≤17.00	7.02	≤10.00	PASS
	Ant0	5230	-0.08	≤17.00	1.31	≤10.00	PASS
	Ant1	5230	0.45	≤17.00	1.79	≤10.00	PASS
	total	5230	3.20	≤17.00	7.60	≤10.00	PASS
	Ant0	5755	0.61	≤30.00	0.25	---	PASS
	Ant1	5755	-0.08	≤30.00	0.72	---	PASS
	total	5755	3.29	≤30.00	7.10	---	PASS
	Ant0	5795	0.36	≤30.00	0.00	---	PASS
	Ant1	5795	-0.10	≤30.00	0.70	---	PASS
11BE80MIMO	total	5795	3.15	≤30.00	6.96	---	PASS
	Ant0	5210	0.01	≤17.00	1.40	≤10.00	PASS
	Ant1	5210	0.72	≤17.00	2.06	≤10.00	PASS
	total	5210	3.39	≤17.00	7.79	≤10.00	PASS
	Ant0	5775	-4.10	≤30.00	-4.46	---	PASS
	Ant1	5775	-2.87	≤30.00	-2.07	---	PASS
	total	5775	-0.43	≤30.00	3.38	---	PASS

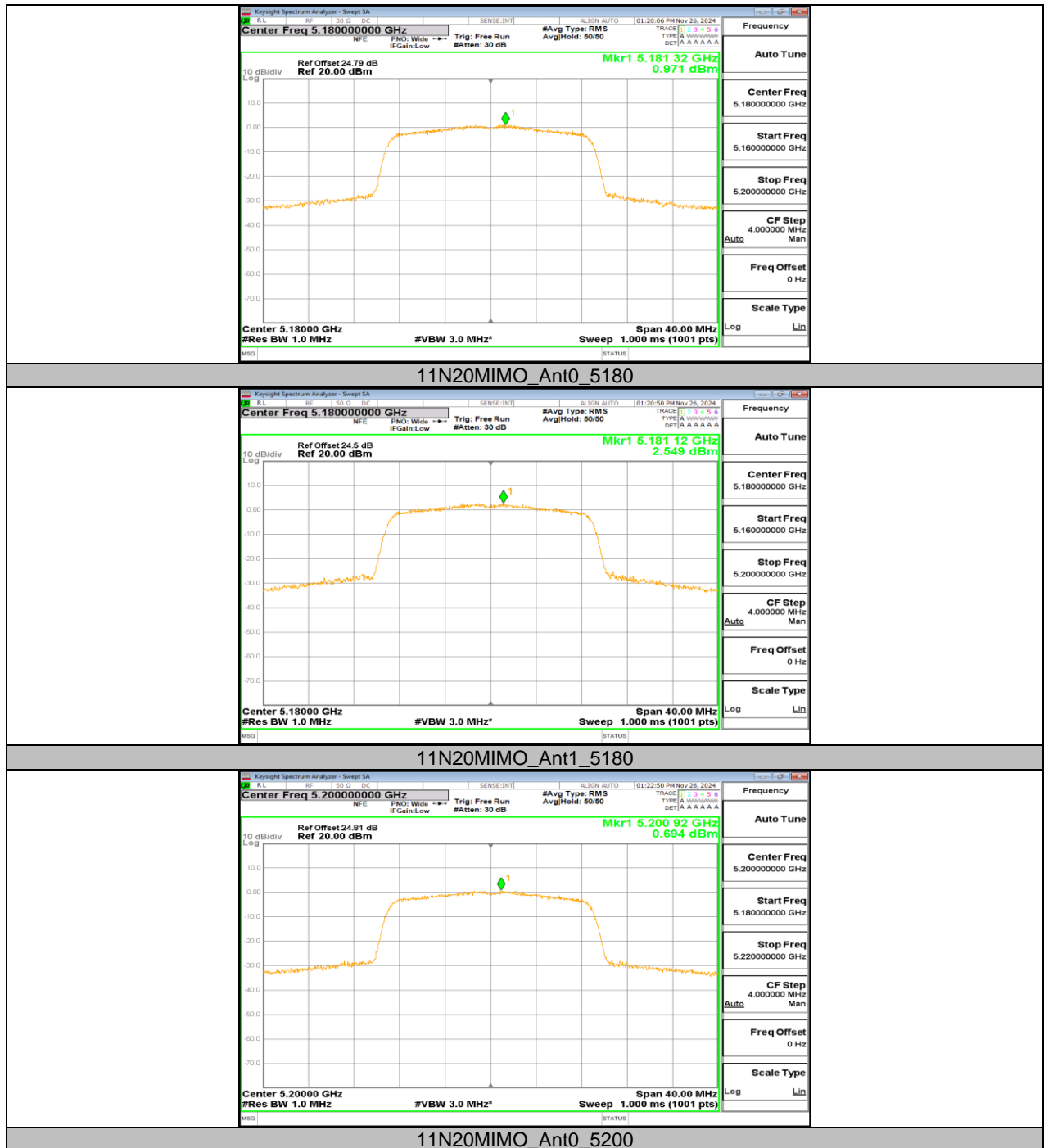
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. Because the test equipment does not support setting RBW to 500KHz, the test chose to use the closest setting RBW 510KHz, VBW 1.5MHz. Although 3xRBW was not used, there was no difference in the test results based on spot-check.

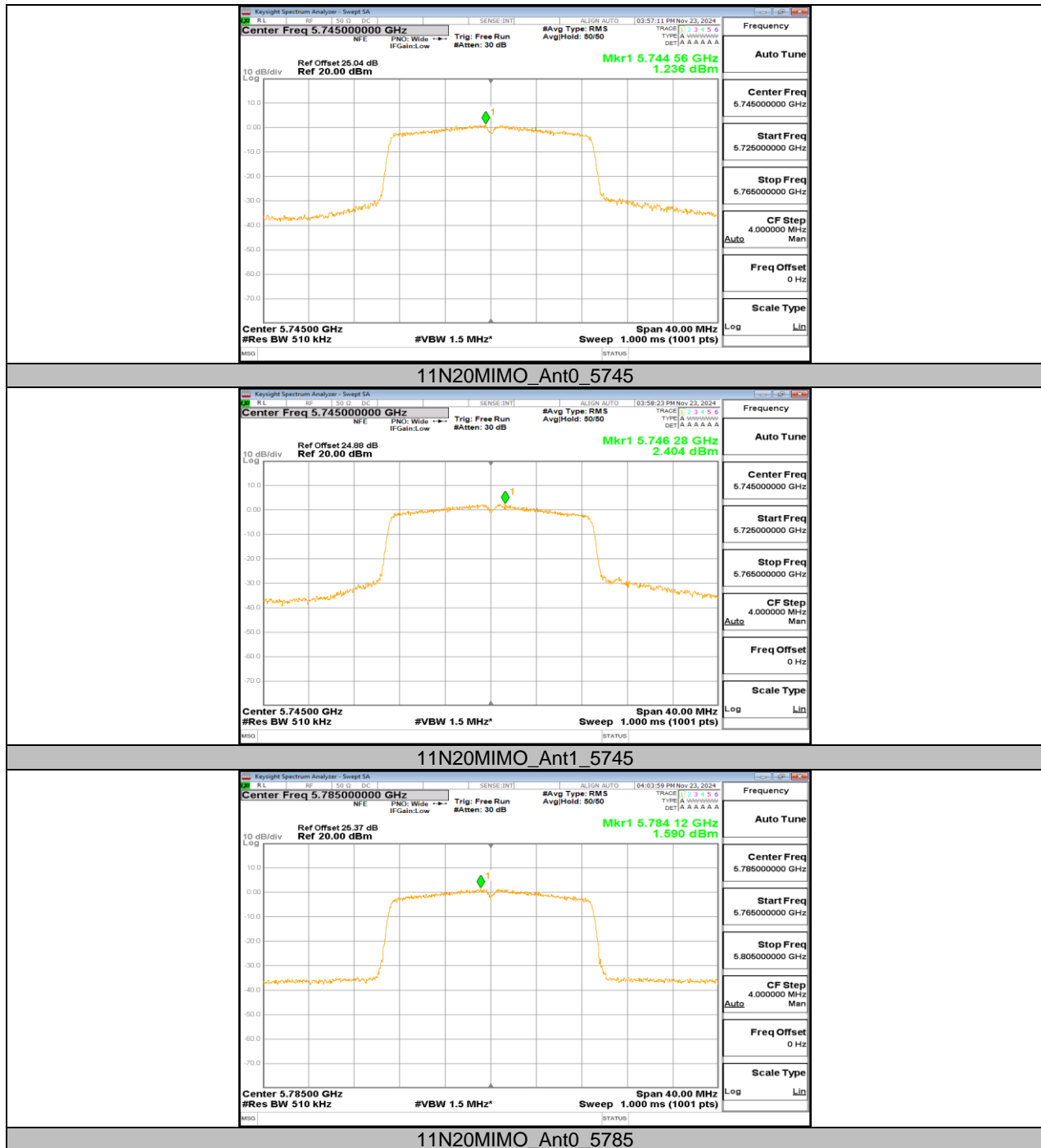
11.5.2. Test Graphs

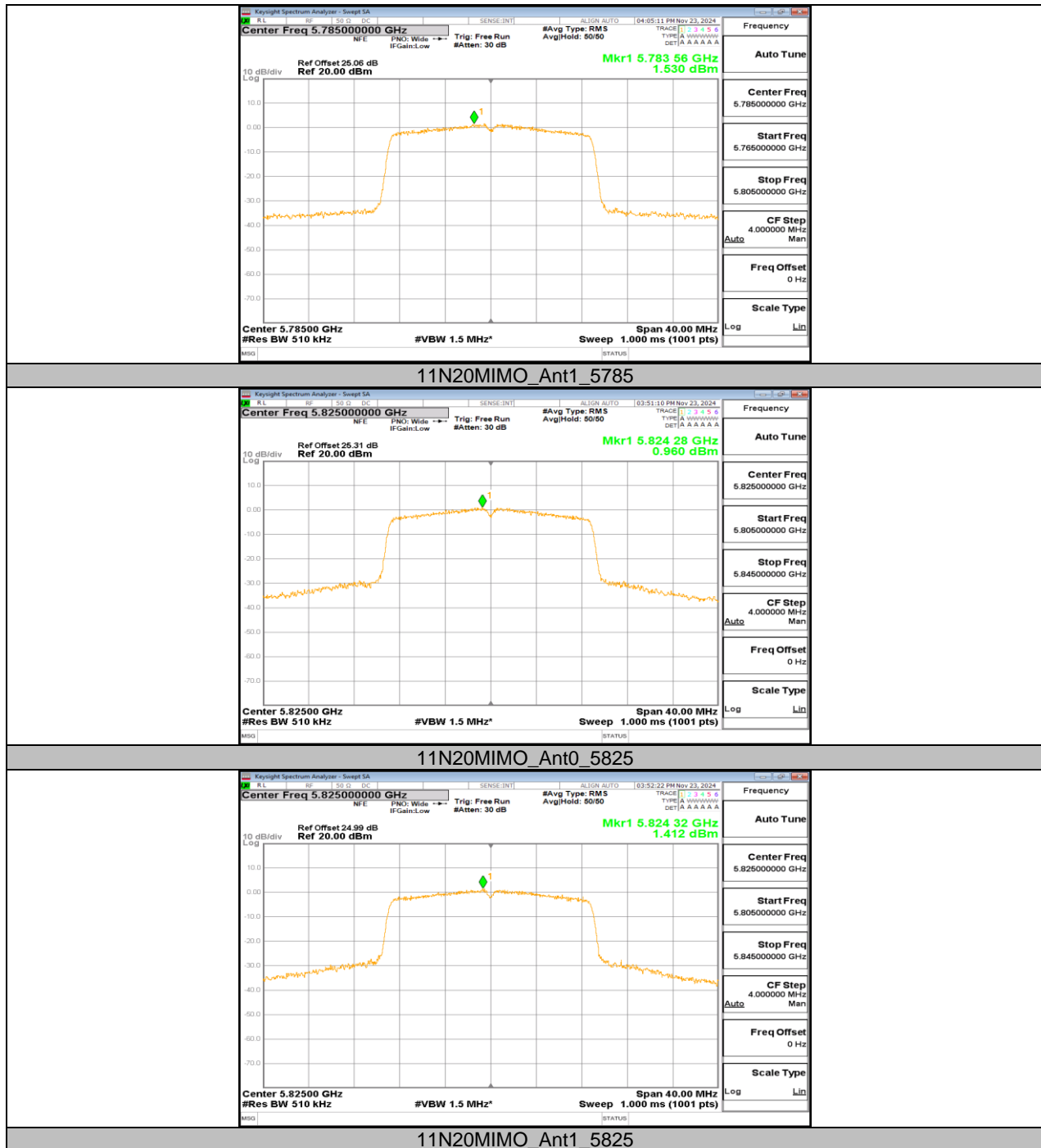


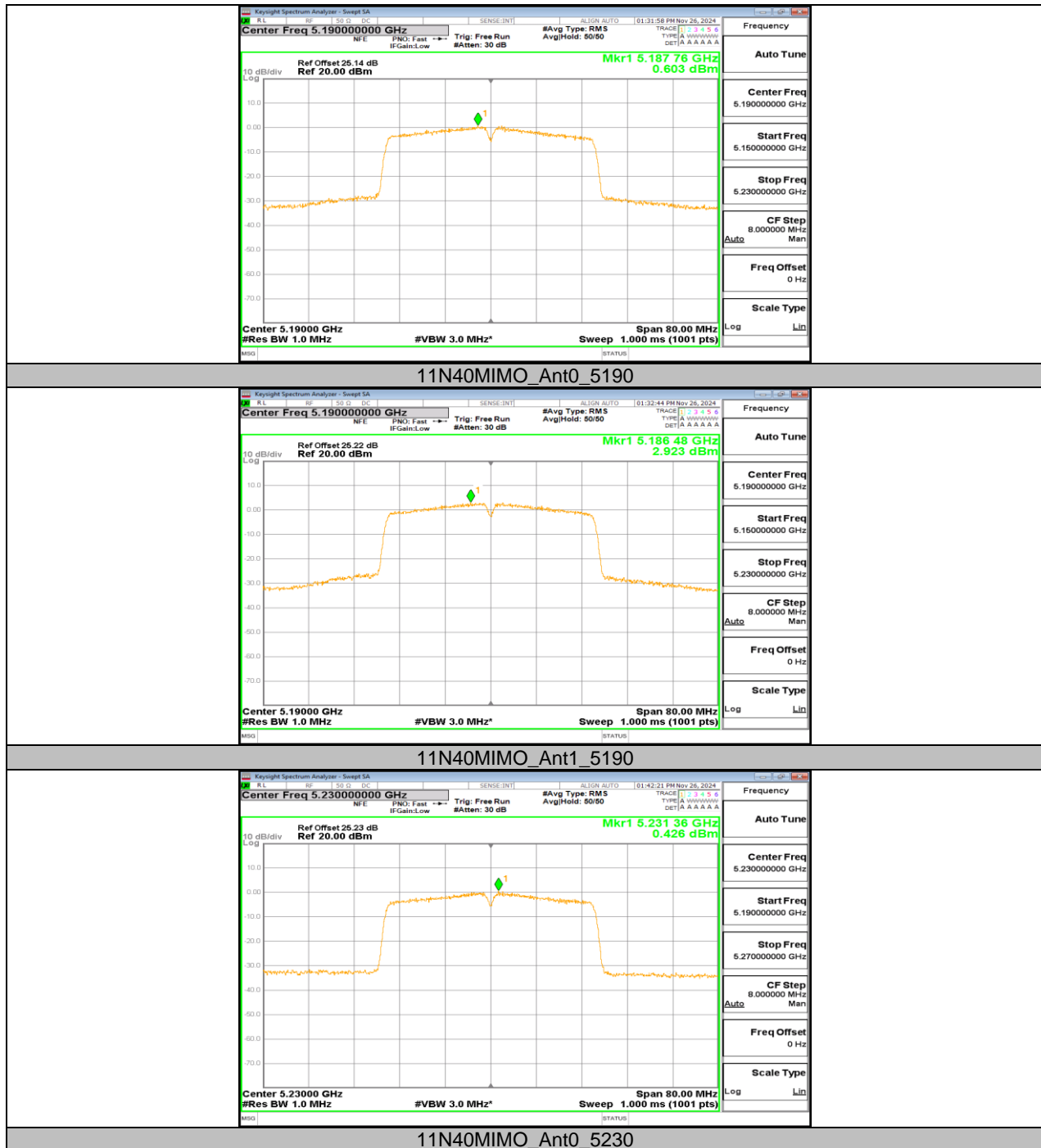


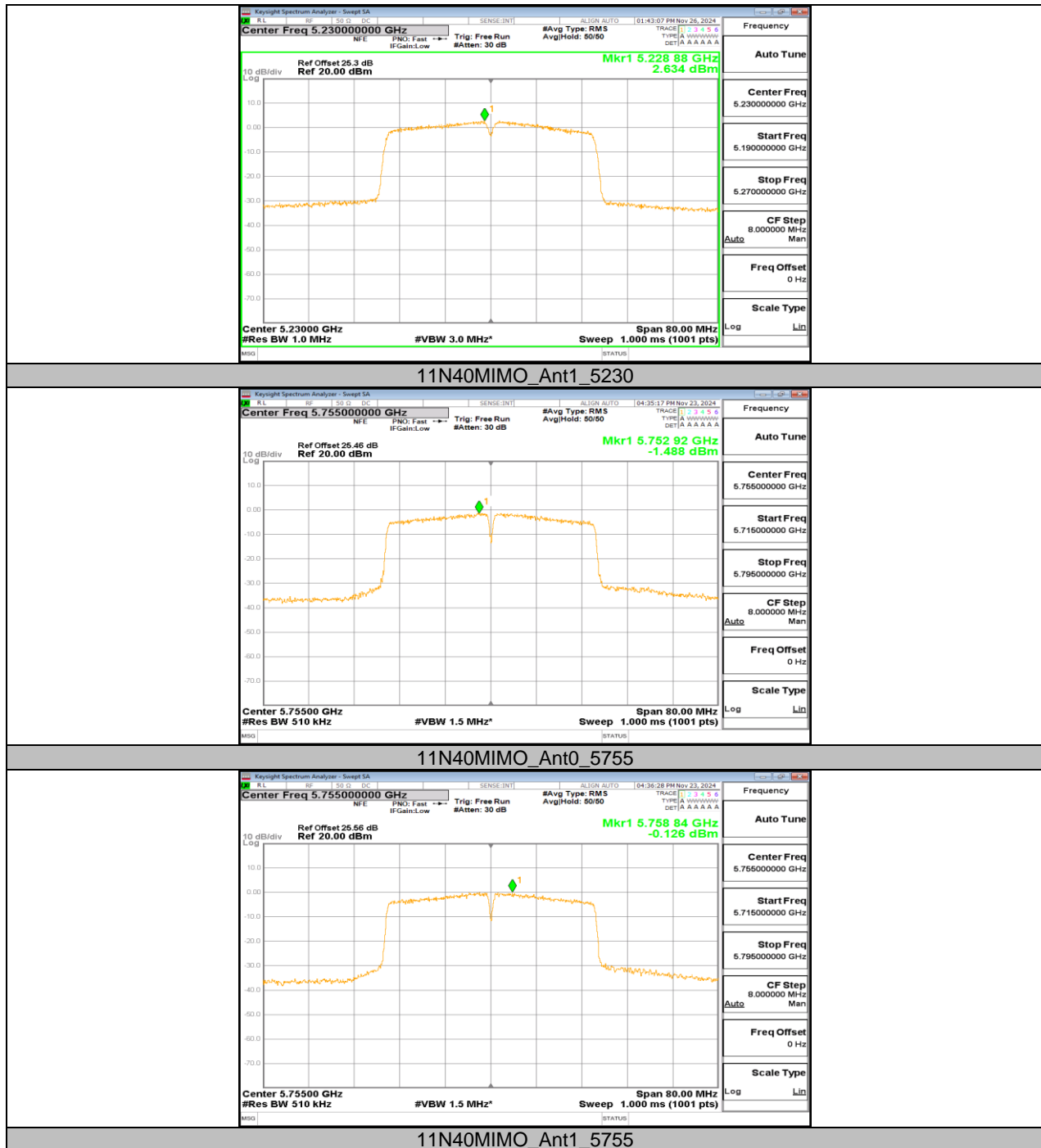


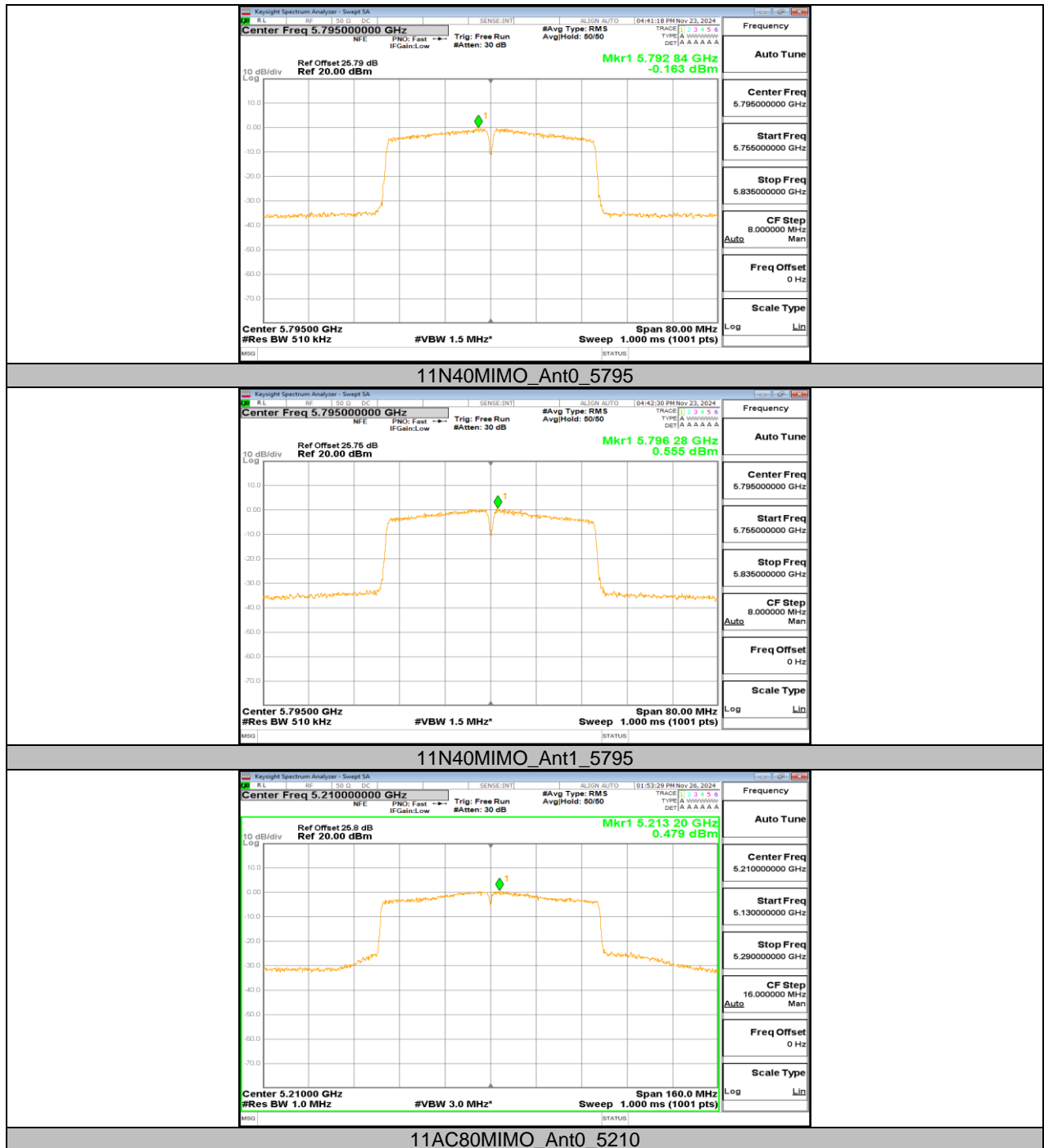


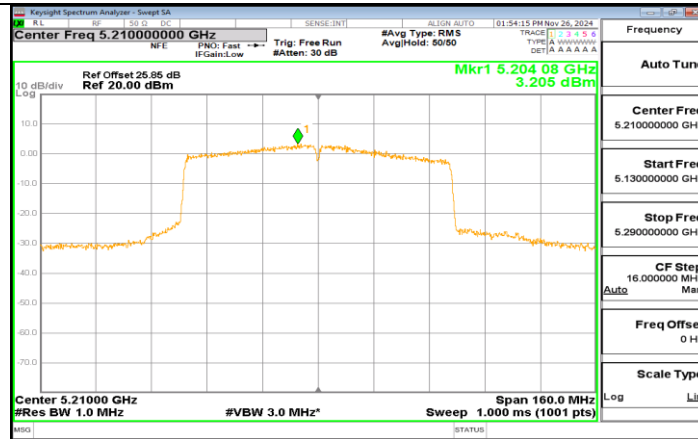




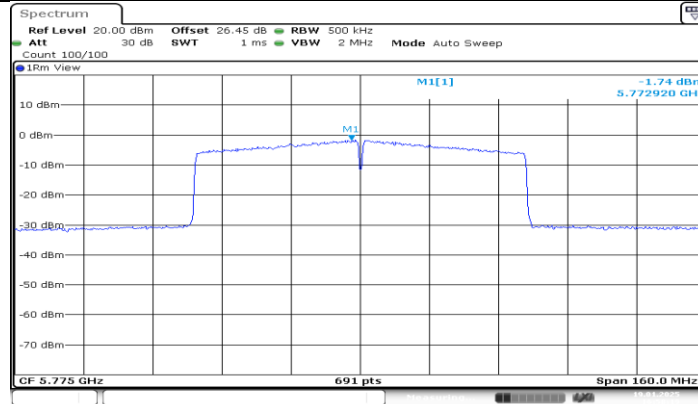




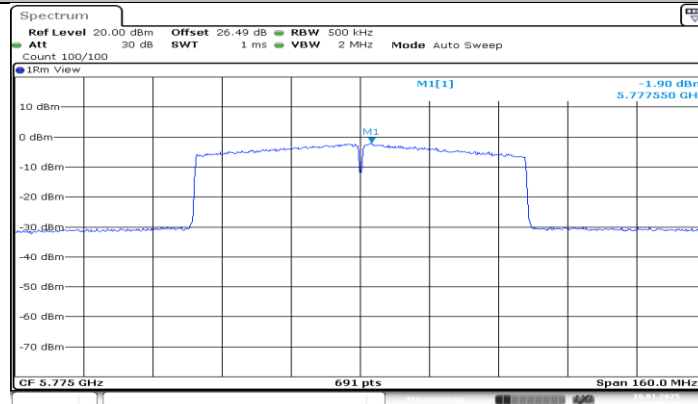




11AC80MIMO_Ant1_5210



11AC80MIMO_Ant0_5775



11AC80MIMO_Ant1_5775







