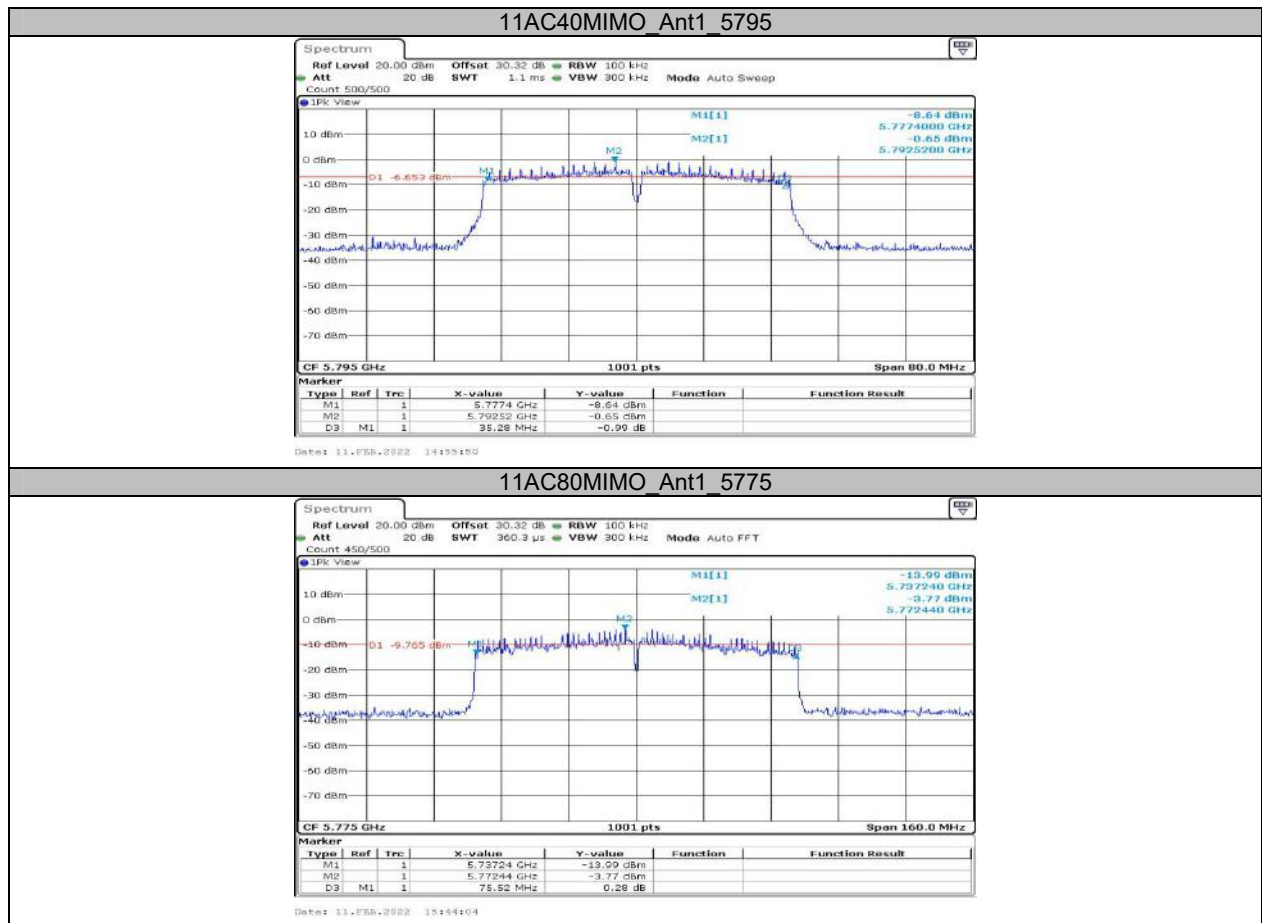




Appendix B: Maximum conducted output power Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	19.84	≤30	PASS
	Ant2	5180	19.28	≤30	PASS
	Ant3	5180	19.17	≤30	PASS
	Ant4	5180	18.08	≤30	PASS
	Ant1	5200	19.77	≤30	PASS
	Ant2	5200	19.45	≤30	PASS
	Ant3	5200	19.59	≤30	PASS
	Ant4	5200	19.41	≤30	PASS
	Ant1	5240	18.04	≤30	PASS
	Ant2	5240	19.03	≤30	PASS
	Ant3	5240	19.02	≤30	PASS
	Ant4	5240	19.79	≤30	PASS
	Ant1	5260	14.28	≤23.97	PASS
	Ant2	5260	14.43	≤23.97	PASS
	Ant3	5260	14.12	≤23.97	PASS
	Ant4	5260	14.84	≤23.97	PASS
	Ant1	5280	14.23	≤23.95	PASS
	Ant2	5280	14.28	≤23.95	PASS
	Ant3	5280	14.15	≤23.95	PASS
	Ant4	5280	15.19	≤23.95	PASS
	Ant1	5320	14.48	≤23.96	PASS
	Ant2	5320	14.33	≤23.96	PASS
	Ant3	5320	14.31	≤23.96	PASS
	Ant4	5320	15.44	≤23.96	PASS
	Ant1	5500	13.13	≤24.00	PASS
	Ant2	5500	13.76	≤24.00	PASS
	Ant3	5500	14.03	≤24.00	PASS
	Ant4	5500	13.31	≤24.00	PASS
	Ant1	5580	13.28	≤23.98	PASS
	Ant2	5580	13.09	≤23.98	PASS
	Ant3	5580	13.56	≤23.98	PASS
	Ant4	5580	13.52	≤23.98	PASS
	Ant1	5700	13.31	≤23.96	PASS
	Ant2	5700	13.41	≤23.96	PASS
	Ant3	5700	13.48	≤23.96	PASS
	Ant4	5700	14.74	≤23.96	PASS
	Ant1	5745	17.87	≤30	PASS
	Ant2	5745	18.46	≤30	PASS
	Ant3	5745	18.66	≤30	PASS
	Ant4	5745	19.30	≤30	PASS
	Ant1	5785	17.98	≤30	PASS
	Ant2	5785	17.99	≤30	PASS
	Ant3	5785	18.72	≤30	PASS
	Ant4	5785	19.35	≤30	PASS
	Ant1	5825	18.31	≤30	PASS
	Ant2	5825	18.05	≤30	PASS
	Ant3	5825	18.71	≤30	PASS
	Ant4	5825	19.31	≤30	PASS
11N20MIMO	Ant1	5180	11.86	≤25.5	PASS
	Ant2	5180	11.04	≤25.5	PASS
	Ant3	5180	11.95	≤25.5	PASS
	Ant4	5180	12.06	≤25.5	PASS
	total	5180	17.8	≤25.5	PASS
	Ant1	5200	11.60	≤25.5	PASS
	Ant2	5200	11.42	≤25.5	PASS

	Ant3	5200	11.89	≤25.5	PASS
	Ant4	5200	12.14	≤25.5	PASS
	total	5200	17.8	≤25.5	PASS
	Ant1	5240	11.59	≤25.5	PASS
	Ant2	5240	11.34	≤25.5	PASS
	Ant3	5240	11.85	≤25.5	PASS
	Ant4	5240	12.66	≤25.5	PASS
	total	5240	17.9	≤25.5	PASS
	Ant1	5260	6.27	≤19.5	PASS
	Ant2	5260	6.28	≤19.5	PASS
	Ant3	5260	6.51	≤19.5	PASS
	Ant4	5260	6.29	≤19.5	PASS
	total	5260	12.4	≤19.5	PASS
	Ant1	5280	5.25	≤19.5	PASS
	Ant2	5280	5.61	≤19.5	PASS
	Ant3	5280	5.63	≤19.5	PASS
	Ant4	5280	6.63	≤19.5	PASS
	total	5280	11.8	≤19.5	PASS
	Ant1	5320	5.90	≤19.5	PASS
	Ant2	5320	5.68	≤19.5	PASS
	Ant3	5320	5.96	≤19.5	PASS
	Ant4	5320	6.92	≤19.5	PASS
	total	5320	12.2	≤19.5	PASS
	Ant1	5500	6.11	≤19.5	PASS
	Ant2	5500	5.81	≤19.5	PASS
	Ant3	5500	6.64	≤19.5	PASS
	Ant4	5500	5.74	≤19.5	PASS
	total	5500	12.1	≤19.5	PASS
	Ant1	5580	5.69	≤19.5	PASS
	Ant2	5580	5.73	≤19.5	PASS
	Ant3	5580	6.15	≤19.5	PASS
	Ant4	5580	6.89	≤19.5	PASS
	total	5580	12.2	≤19.5	PASS
	Ant1	5700	5.83	≤19.5	PASS
	Ant2	5700	5.69	≤19.5	PASS
	Ant3	5700	5.79	≤19.5	PASS
	Ant4	5700	6.46	≤19.5	PASS
	total	5700	12.0	≤19.5	PASS
	Ant1	5745	16.97	≤25.5	PASS
	Ant2	5745	16.37	≤25.5	PASS
	Ant3	5745	16.85	≤25.5	PASS
	Ant4	5745	18.40	≤25.5	PASS
	total	5745	23.2	≤25.5	PASS
	Ant1	5785	16.78	≤25.5	PASS
	Ant2	5785	16.95	≤25.5	PASS
	Ant3	5785	17.99	≤25.5	PASS
	Ant4	5785	18.37	≤25.5	PASS
	total	5785	23.6	≤25.5	PASS
	Ant1	5825	17.38	≤25.5	PASS
	Ant2	5825	17.76	≤25.5	PASS
	Ant3	5825	17.83	≤25.5	PASS
	Ant4	5825	18.16	≤25.5	PASS
	total	5825	23.8	≤25.5	PASS
11N40MIMO	Ant1	5190	13.13	≤25.5	PASS
	Ant2	5190	13.02	≤25.5	PASS
	Ant3	5190	13.80	≤25.5	PASS
	Ant4	5190	14.21	≤25.5	PASS
	total	5190	19.6	≤25.5	PASS
	Ant1	5230	13.64	≤25.5	PASS
	Ant2	5230	13.88	≤25.5	PASS
	Ant3	5230	13.75	≤25.5	PASS

	Ant4	5230	14.52	≤25.5	PASS
	total	5230	20.0	≤25.5	PASS
	Ant1	5270	6.07	≤19.5	PASS
	Ant2	5270	6.42	≤19.5	PASS
	Ant3	5270	6.25	≤19.5	PASS
	Ant4	5270	7.11	≤19.5	PASS
	total	5270	12.50	≤19.5	PASS
	Ant1	5310	6.59	≤19.5	PASS
	Ant2	5310	6.16	≤19.5	PASS
	Ant3	5310	6.05	≤19.5	PASS
	Ant4	5310	6.98	≤19.5	PASS
	total	5310	12.5	≤19.5	PASS
	Ant1	5510	8.08	≤19.5	PASS
	Ant2	5510	8.19	≤19.5	PASS
	Ant3	5510	9.24	≤19.5	PASS
	Ant4	5510	8.84	≤19.5	PASS
	total	5510	14.6	≤19.5	PASS
	Ant1	5550	8.88	≤19.5	PASS
	Ant2	5550	8.24	≤19.5	PASS
	Ant3	5550	9.18	≤19.5	PASS
	Ant4	5550	8.80	≤19.5	PASS
	total	5550	14.8	≤19.5	PASS
	Ant1	5670	8.20	≤19.5	PASS
	Ant2	5670	8.47	≤19.5	PASS
	Ant3	5670	9.14	≤19.5	PASS
	Ant4	5670	9.24	≤19.5	PASS
	total	5670	14.8	≤19.5	PASS
	Ant1	5755	16.95	≤25.5	PASS
	Ant2	5755	17.99	≤25.5	PASS
	Ant3	5755	18.15	≤25.5	PASS
	Ant4	5755	18.73	≤25.5	PASS
	total	5755	24.0	≤25.5	PASS
	Ant1	5795	17.17	≤25.5	PASS
	Ant2	5795	17.69	≤25.5	PASS
	Ant3	5795	17.99	≤25.5	PASS
	Ant4	5795	18.64	≤25.5	PASS
	total	5795	23.9	≤25.5	PASS
11AC20MIMO	Ant1	5180	8.58	≤25.5	PASS
	Ant2	5180	8.18	≤25.5	PASS
	Ant3	5180	8.76	≤25.5	PASS
	Ant4	5180	9.20	≤25.5	PASS
	total	5180	14.7	≤25.5	PASS
	Ant1	5200	8.44	≤25.5	PASS
	Ant2	5200	8.40	≤25.5	PASS
	Ant3	5200	8.73	≤25.5	PASS
	Ant4	5200	9.22	≤25.5	PASS
	total	5200	14.7	≤25.5	PASS
	Ant1	5240	8.39	≤25.5	PASS
	Ant2	5240	8.20	≤25.5	PASS
	Ant3	5240	8.74	≤25.5	PASS
	Ant4	5240	9.73	≤25.5	PASS
	total	5240	14.8	≤25.5	PASS
	Ant1	5260	4.01	≤19.5	PASS
	Ant2	5260	4.00	≤19.5	PASS
	Ant3	5260	4.08	≤19.5	PASS
	Ant4	5260	4.18	≤19.5	PASS
	total	5260	10.1	≤19.5	PASS
	Ant1	5280	3.15	≤19.5	PASS
	Ant2	5280	3.67	≤19.5	PASS
	Ant3	5280	3.86	≤19.5	PASS
	Ant4	5280	4.91	≤19.5	PASS

	total	5280	10.0	≤19.5	PASS
	Ant1	5320	3.90	≤19.5	PASS
	Ant2	5320	3.81	≤19.5	PASS
	Ant3	5320	3.93	≤19.5	PASS
	Ant4	5320	5.18	≤19.5	PASS
	total	5320	10.3	≤19.5	PASS
	Ant1	5500	4.14	≤19.5	PASS
	Ant2	5500	4.17	≤19.5	PASS
	Ant3	5500	4.19	≤19.5	PASS
	Ant4	5500	4.11	≤19.5	PASS
	total	5500	10.2	≤19.5	PASS
	Ant1	5580	3.10	≤19.5	PASS
	Ant2	5580	3.54	≤19.5	PASS
	Ant3	5580	3.06	≤19.5	PASS
	Ant4	5580	4.53	≤19.5	PASS
	total	5580	9.6	≤19.5	PASS
	Ant1	5700	3.89	≤19.5	PASS
	Ant2	5700	4.06	≤19.5	PASS
	Ant3	5700	4.08	≤19.5	PASS
	Ant4	5700	5.33	≤19.5	PASS
	total	5700	10.4	≤19.5	PASS
	Ant1	5745	19.56	≤25.5	PASS
	Ant2	5745	19.71	≤25.5	PASS
	Ant3	5745	18.24	≤25.5	PASS
	Ant4	5745	19.49	≤25.5	PASS
	total	5745	25.3	≤25.5	PASS
	Ant1	5785	17.51	≤25.5	PASS
	Ant2	5785	17.72	≤25.5	PASS
	Ant3	5785	18.40	≤25.5	PASS
	Ant4	5785	18.47	≤25.5	PASS
	total	5785	24.1	≤25.5	PASS
	Ant1	5825	17.82	≤25.5	PASS
	Ant2	5825	18.34	≤25.5	PASS
	Ant3	5825	18.26	≤25.5	PASS
	Ant4	5825	18.70	≤25.5	PASS
	total	5825	24.3	≤25.5	PASS
11AC40MIMO	Ant1	5190	11.71	≤25.5	PASS
	Ant2	5190	11.95	≤25.5	PASS
	Ant3	5190	12.73	≤25.5	PASS
	Ant4	5190	13.03	≤25.5	PASS
	total	5190	18.4	≤25.5	PASS
	Ant1	5230	12.54	≤25.5	PASS
	Ant2	5230	12.01	≤25.5	PASS
	Ant3	5230	12.58	≤25.5	PASS
	Ant4	5230	13.33	≤25.5	PASS
	total	5230	18.7	≤25.5	PASS
	Ant1	5270	6.11	≤19.5	PASS
	Ant2	5270	6.04	≤19.5	PASS
	Ant3	5270	6.52	≤19.5	PASS
	Ant4	5270	7.03	≤19.5	PASS
	total	5270	12.5	≤19.5	PASS
	Ant1	5310	5.76	≤19.5	PASS
	Ant2	5310	6.06	≤19.5	PASS
	Ant3	5310	6.60	≤19.5	PASS
	Ant4	5310	6.93	≤19.5	PASS
	total	5310	12.4	≤19.5	PASS
	Ant1	5510	5.35	≤19.5	PASS
	Ant2	5510	5.16	≤19.5	PASS
	Ant3	5510	5.48	≤19.5	PASS
	Ant4	5510	5.67	≤19.5	PASS
	total	5510	11.4	≤19.5	PASS

	Ant1	5550	4.41	≤19.5	PASS
	Ant2	5550	4.59	≤19.5	PASS
	Ant3	5550	4.80	≤19.5	PASS
	Ant4	5550	5.93	≤19.5	PASS
	total	5550	11.0	≤19.5	PASS
	Ant1	5670	5.88	≤19.5	PASS
	Ant2	5670	5.96	≤19.5	PASS
	Ant3	5670	6.00	≤19.5	PASS
	Ant4	5670	6.46	≤19.5	PASS
	total	5670	12.1	≤19.5	PASS
	Ant1	5755	17.55	≤25.5	PASS
	Ant2	5755	18.55	≤25.5	PASS
	Ant3	5755	18.13	≤25.5	PASS
	Ant4	5755	19.10	≤25.5	PASS
	total	5755	24.4	≤25.5	PASS
	Ant1	5795	18.02	≤25.5	PASS
	Ant2	5795	18.57	≤25.5	PASS
	Ant3	5795	18.26	≤25.5	PASS
	Ant4	5795	19.08	≤25.5	PASS
	total	5795	24.5	≤25.5	PASS
11AC80MIMO	Ant1	5210	12.51	≤25.5	PASS
	Ant2	5210	12.24	≤25.5	PASS
	Ant3	5210	12.65	≤25.5	PASS
	Ant4	5210	12.79	≤25.5	PASS
	total	5210	18.6	≤25.5	PASS
	Ant1	5290	6.07	≤19.5	PASS
	Ant2	5290	6.24	≤19.5	PASS
	Ant3	5290	6.43	≤19.5	PASS
	Ant4	5290	7.06	≤19.5	PASS
	total	5290	12.5	≤19.5	PASS
	Ant1	5530	7.78	≤19.5	PASS
	Ant2	5530	7.43	≤19.5	PASS
	Ant3	5530	7.86	≤19.5	PASS
	Ant4	5530	7.14	≤19.5	PASS
	total	5530	13.6	≤19.5	PASS
	Ant1	5610	6.99	≤19.5	PASS
	Ant2	5610	7.23	≤19.5	PASS
	Ant3	5610	7.36	≤19.5	PASS
	Ant4	5610	8.51	≤19.5	PASS
	total	5610	13.6	≤19.5	PASS
	Ant1	5775	17.33	≤25.5	PASS
	Ant2	5775	18.69	≤25.5	PASS
	Ant3	5775	18.05	≤25.5	PASS
	Ant4	5775	18.97	≤25.5	PASS
	total	5775	24.3	≤25.5	PASS

Note:

EUT is an indoor access point.

For 802.11 n/ac mode, EUT support beamforming.

$Directional\ gain = G_{ANT} + Array\ Gain$

$Array\ Gain = 10 * \log(N_{ant}/N_{ss})\ dB$

For the worst case, $N_{ss}=1$, so:

$Directional\ gain = 4.5\ dB + 10 * \log(4/1)\ dB = 10.5\ dB > 6\ dB$

So the limit should reduce 4.5dB

Appendix C: Maximum power spectral density Test Result

Test Mode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	15.88	≤17	PASS
	Ant2	5180	14.34	≤17	PASS
	Ant3	5180	14.94	≤17	PASS
	Ant4	5180	13.02	≤17	PASS
	Ant1	5200	15.83	≤17	PASS
	Ant2	5200	14.4	≤17	PASS
	Ant3	5200	14.81	≤17	PASS
	Ant4	5200	13.91	≤17	PASS
	Ant1	5240	14.13	≤17	PASS
	Ant2	5240	13.76	≤17	PASS
	Ant3	5240	13.97	≤17	PASS
	Ant4	5240	14.4	≤17	PASS
	Ant1	5260	9.91	≤11	PASS
	Ant2	5260	9.04	≤11	PASS
	Ant3	5260	9.43	≤11	PASS
	Ant4	5260	9.12	≤11	PASS
	Ant1	5280	10.11	≤11	PASS
	Ant2	5280	9.4	≤11	PASS
	Ant3	5280	9.87	≤11	PASS
	Ant4	5280	10.38	≤11	PASS
	Ant1	5320	10.09	≤11	PASS
	Ant2	5320	9.5	≤11	PASS
	Ant3	5320	9.26	≤11	PASS
	Ant4	5320	10.25	≤11	PASS
	Ant1	5500	9.24	≤11	PASS
	Ant2	5500	8.58	≤11	PASS
	Ant3	5500	8.84	≤11	PASS
	Ant4	5500	8.02	≤11	PASS
	Ant1	5580	9.13	≤11	PASS
	Ant2	5580	7.96	≤11	PASS
	Ant3	5580	8.54	≤11	PASS
	Ant4	5580	7.9	≤11	PASS
	Ant1	5700	8.62	≤11	PASS
	Ant2	5700	8.84	≤11	PASS
	Ant3	5700	8.09	≤11	PASS
	Ant4	5700	9.2	≤11	PASS
	Ant1	5745	11.51	≤30	PASS
	Ant2	5745	11.57	≤30	PASS
	Ant3	5745	11.77	≤30	PASS
	Ant4	5745	12.4	≤30	PASS
	Ant1	5785	11.62	≤30	PASS
	Ant2	5785	12.68	≤30	PASS
	Ant3	5785	12.01	≤30	PASS
	Ant4	5785	12.33	≤30	PASS
	Ant1	5825	12.42	≤30	PASS
	Ant2	5825	12.3	≤30	PASS
	Ant3	5825	12.49	≤30	PASS
	Ant4	5825	12.57	≤30	PASS
11N20MIMO	Ant1	5180	6.18	≤12.5	PASS
	Ant2	5180	6.46	≤12.5	PASS
	Ant3	5180	5.77	≤12.5	PASS
	Ant4	5180	5.48	≤12.5	PASS
	total	5180	12.01	≤12.5	PASS
	Ant1	5200	5.59	≤12.5	PASS
	Ant2	5200	5.62	≤12.5	PASS

	Ant3	5200	5.5	≤12.5	PASS
	Ant4	5200	5.39	≤12.5	PASS
	total	5200	11.55	≤12.5	PASS
	Ant1	5240	5.89	≤12.5	PASS
	Ant2	5240	5.9	≤12.5	PASS
	Ant3	5240	5.56	≤12.5	PASS
	Ant4	5240	5.89	≤12.5	PASS
	total	5240	11.83	≤12.5	PASS
	Ant1	5260	0.42	≤6.5	PASS
	Ant2	5260	-0.02	≤6.5	PASS
	Ant3	5260	-0.02	≤6.5	PASS
	Ant4	5260	-0.24	≤6.5	PASS
	total	5260	6.06	≤6.5	PASS
	Ant1	5280	0.55	≤6.5	PASS
	Ant2	5280	-0.16	≤6.5	PASS
	Ant3	5280	-0.48	≤6.5	PASS
	Ant4	5280	0.42	≤6.5	PASS
	total	5280	6.12	≤6.5	PASS
	Ant1	5320	0.43	≤6.5	PASS
	Ant2	5320	-0.64	≤6.5	PASS
	Ant3	5320	-0.44	≤6.5	PASS
	Ant4	5320	0.36	≤6.5	PASS
	total	5320	5.97	≤6.5	PASS
	Ant1	5500	0.24	≤6.5	PASS
	Ant2	5500	0.53	≤6.5	PASS
	Ant3	5500	0.35	≤6.5	PASS
	Ant4	5500	-0.62	≤6.5	PASS
	total	5500	6.17	≤6.5	PASS
	Ant1	5580	-0.41	≤6.5	PASS
	Ant2	5580	-0.05	≤6.5	PASS
	Ant3	5580	-0.14	≤6.5	PASS
	Ant4	5580	-0.06	≤6.5	PASS
	total	5580	5.86	≤6.5	PASS
	Ant1	5700	-0.32	≤6.5	PASS
	Ant2	5700	-0.73	≤6.5	PASS
	Ant3	5700	-0.54	≤6.5	PASS
	Ant4	5700	-0.03	≤6.5	PASS
	total	5700	5.62	≤6.5	PASS
	Ant1	5745	10	≤25.5	PASS
	Ant2	5745	10.52	≤25.5	PASS
	Ant3	5745	9.38	≤25.5	PASS
	Ant4	5745	9.61	≤25.5	PASS
	total	5745	15.92	≤25.5	PASS
	Ant1	5785	9.9	≤25.5	PASS
	Ant2	5785	9.72	≤25.5	PASS
	Ant3	5785	9.88	≤25.5	PASS
	Ant4	5785	9.98	≤25.5	PASS
	total	5785	15.89	≤25.5	PASS
	Ant1	5825	10.59	≤25.5	PASS
	Ant2	5825	9.55	≤25.5	PASS
	Ant3	5825	10.2	≤25.5	PASS
	Ant4	5825	9.92	≤25.5	PASS
	total	5825	16.10	≤25.5	PASS
11N40MIMO	Ant1	5190	4.13	≤12.5	PASS
	Ant2	5190	4.82	≤12.5	PASS
	Ant3	5190	4.7	≤12.5	PASS
	Ant4	5190	4.52	≤12.5	PASS
	total	5190	10.57	≤12.5	PASS
	Ant1	5230	4.45	≤12.5	PASS
	Ant2	5230	4.8	≤12.5	PASS
	Ant3	5230	4.76	≤12.5	PASS

	Ant4	5230	5.14	≤12.5	PASS
	total	5230	10.81	≤12.5	PASS
	Ant1	5270	-1.93	≤6.5	PASS
	Ant2	5270	-0.85	≤6.5	PASS
	Ant3	5270	-0.35	≤6.5	PASS
	Ant4	5270	-0.98	≤6.5	PASS
	total	5270	5.03	≤6.5	PASS
	Ant1	5310	-0.94	≤6.5	PASS
	Ant2	5310	-0.97	≤6.5	PASS
	Ant3	5310	-0.06	≤6.5	PASS
	Ant4	5310	-0.47	≤6.5	PASS
	total	5310	5.43	≤6.5	PASS
	Ant1	5510	0.5	≤6.5	PASS
	Ant2	5510	0.22	≤6.5	PASS
	Ant3	5510	0.08	≤6.5	PASS
	Ant4	5510	-0.41	≤6.5	PASS
	total	5510	6.13	≤6.5	PASS
	Ant1	5550	0.13	≤6.5	PASS
	Ant2	5550	0.55	≤6.5	PASS
	Ant3	5550	0.39	≤6.5	PASS
	Ant4	5550	-0.61	≤6.5	PASS
	total	5550	6.16	≤6.5	PASS
	Ant1	5670	0.04	≤6.5	PASS
	Ant2	5670	-0.13	≤6.5	PASS
	Ant3	5670	0.23	≤6.5	PASS
	Ant4	5670	-0.22	≤6.5	PASS
	total	5670	6.00	≤6.5	PASS
	Ant1	5755	7	≤25.5	PASS
	Ant2	5755	8.46	≤25.5	PASS
	Ant3	5755	7.32	≤25.5	PASS
	Ant4	5755	7.1	≤25.5	PASS
	total	5755	13.53	≤25.5	PASS
	Ant1	5795	7.19	≤25.5	PASS
	Ant2	5795	8.48	≤25.5	PASS
	Ant3	5795	6.83	≤25.5	PASS
	Ant4	5795	7.78	≤25.5	PASS
	total	5795	13.64	≤25.5	PASS
11AC20MIMO	Ant1	5180	5.35	≤12.5	PASS
	Ant2	5180	5.48	≤12.5	PASS
	Ant3	5180	5.66	≤12.5	PASS
	Ant4	5180	5.87	≤12.5	PASS
	total	5180	11.62	≤12.5	PASS
	Ant1	5200	5.31	≤12.5	PASS
	Ant2	5200	5.41	≤12.5	PASS
	Ant3	5200	5.41	≤12.5	PASS
	Ant4	5200	5.13	≤12.5	PASS
	total	5200	11.34	≤12.5	PASS
	Ant1	5240	5.12	≤12.5	PASS
	Ant2	5240	5.42	≤12.5	PASS
	Ant3	5240	5.19	≤12.5	PASS
	Ant4	5240	5.99	≤12.5	PASS
	total	5240	11.46	≤12.5	PASS
	Ant1	5260	-0.18	≤6.5	PASS
	Ant2	5260	-0.82	≤6.5	PASS
	Ant3	5260	0.94	≤6.5	PASS
	Ant4	5260	-0.83	≤6.5	PASS
	total	5260	5.86	≤6.5	PASS
	Ant1	5280	0.36	≤6.5	PASS
	Ant2	5280	-0.84	≤6.5	PASS
	Ant3	5280	1	≤6.5	PASS
	Ant4	5280	0.06	≤6.5	PASS

	total	5280	6.22	≤6.5	PASS
	Ant1	5320	0.62	≤6.5	PASS
	Ant2	5320	-0.73	≤6.5	PASS
	Ant3	5320	0.73	≤6.5	PASS
	Ant4	5320	-0.16	≤6.5	PASS
	total	5320	6.18	≤6.5	PASS
	Ant1	5500	-0.52	≤6.5	PASS
	Ant2	5500	-0.99	≤6.5	PASS
	Ant3	5500	0.71	≤6.5	PASS
	Ant4	5500	-0.82	≤6.5	PASS
	total	5500	5.67	≤6.5	PASS
	Ant1	5580	-0.4	≤6.5	PASS
	Ant2	5580	-0.46	≤6.5	PASS
	Ant3	5580	-0.41	≤6.5	PASS
	Ant4	5580	0.99	≤6.5	PASS
	total	5580	6.00	≤6.5	PASS
	Ant1	5700	0	≤6.5	PASS
	Ant2	5700	1.96	≤6.5	PASS
	Ant3	5700	0.63	≤6.5	PASS
	Ant4	5700	0.15	≤6.5	PASS
	total	5700	6.78	≤6.5	PASS
	Ant1	5745	13.17	≤25.5	PASS
	Ant2	5745	13.04	≤25.5	PASS
	Ant3	5745	12.57	≤25.5	PASS
	Ant4	5745	14.18	≤25.5	PASS
	total	5745	19.30	≤25.5	PASS
	Ant1	5785	11.35	≤25.5	PASS
	Ant2	5785	12.86	≤25.5	PASS
	Ant3	5785	12.93	≤25.5	PASS
	Ant4	5785	12.09	≤25.5	PASS
	total	5785	18.37	≤25.5	PASS
	Ant1	5825	12	≤25.5	PASS
	Ant2	5825	13.16	≤25.5	PASS
	Ant3	5825	13.29	≤25.5	PASS
	Ant4	5825	12.12	≤25.5	PASS
	total	5825	18.70	≤25.5	PASS
11AC40MIMO	Ant1	5190	6.83	≤12.5	PASS
	Ant2	5190	4.84	≤12.5	PASS
	Ant3	5190	5.65	≤12.5	PASS
	Ant4	5190	4.79	≤12.5	PASS
	total	5190	11.63	≤12.5	PASS
	Ant1	5230	6.57	≤12.5	PASS
	Ant2	5230	5.13	≤12.5	PASS
	Ant3	5230	4.51	≤12.5	PASS
	Ant4	5230	4.97	≤12.5	PASS
	total	5230	11.39	≤12.5	PASS
	Ant1	5270	0.84	≤6.5	PASS
	Ant2	5270	-0.87	≤6.5	PASS
	Ant3	5270	0.7	≤6.5	PASS
	Ant4	5270	0.34	≤6.5	PASS
	total	5270	5.06	≤6.5	PASS
	Ant1	5310	-1.88	≤6.5	PASS
	Ant2	5310	-1.27	≤6.5	PASS
	Ant3	5310	-0.27	≤6.5	PASS
	Ant4	5310	-2.51	≤6.5	PASS
	total	5310	4.62	≤6.5	PASS
	Ant1	5510	-1.04	≤6.5	PASS
	Ant2	5510	-1.1	≤6.5	PASS
	Ant3	5510	-1.82	≤6.5	PASS
	Ant4	5510	-1.61	≤6.5	PASS

	total	5510	4.64	≤6.5	PASS
	Ant1	5550	-0.88	≤6.5	PASS
	Ant2	5550	-2.28	≤6.5	PASS
	Ant3	5550	-2.12	≤6.5	PASS
	Ant4	5550	-1.52	≤6.5	PASS
	total	5550	4.36	≤6.5	PASS
	Ant1	5670	0.43	≤6.5	PASS
	Ant2	5670	-1.5	≤6.5	PASS
	Ant3	5670	-1.21	≤6.5	PASS
	Ant4	5670	-0.4	≤6.5	PASS
	total	5670	5.42	≤6.5	PASS
	Ant1	5755	8.24	≤25.5	PASS
	Ant2	5755	10.99	≤25.5	PASS
	Ant3	5755	9.03	≤25.5	PASS
	Ant4	5755	9.9	≤25.5	PASS
	total	5755	15.68	≤25.5	PASS
	Ant1	5795	8.76	≤25.5	PASS
	Ant2	5795	10.21	≤25.5	PASS
	Ant3	5795	9.26	≤25.5	PASS
	Ant4	5795	9.68	≤25.5	PASS
	total	5795	15.53	≤25.5	PASS
11AC80MIMO	Ant1	5210	5.51	≤12.5	PASS
	Ant2	5210	5.12	≤12.5	PASS
	Ant3	5210	5.66	≤12.5	PASS
	Ant4	5210	4.84	≤12.5	PASS
	total	5210	11.32	≤12.5	PASS
	Ant1	5290	-0.11	≤6.5	PASS
	Ant2	5290	-0.97	≤6.5	PASS
	Ant3	5290	-0.75	≤6.5	PASS
	Ant4	5290	-0.39	≤6.5	PASS
	total	5290	5.48	≤6.5	PASS
	Ant1	5530	-1.85	≤6.5	PASS
	Ant2	5530	-1.8	≤6.5	PASS
	Ant3	5530	0.33	≤6.5	PASS
	Ant4	5530	-1.29	≤6.5	PASS
	total	5530	4.96	≤6.5	PASS
	Ant1	5610	-0.35	≤6.5	PASS
	Ant2	5610	-1.52	≤6.5	PASS
	Ant3	5610	-1.04	≤6.5	PASS
	Ant4	5610	0.39	≤6.5	PASS
	total	5610	5.45	≤6.5	PASS
	Ant1	5775	7.95	≤25.5	PASS
	Ant2	5775	8.17	≤25.5	PASS
	Ant3	5775	8.8	≤25.5	PASS
	Ant4	5775	8.05	≤25.5	PASS
	total	5775	14.28	≤25.5	PASS

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

For 802.11 n/ac mode, EUT support beamforming.

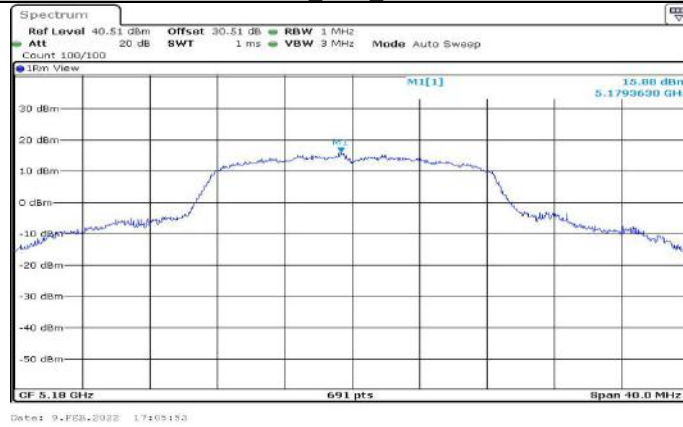
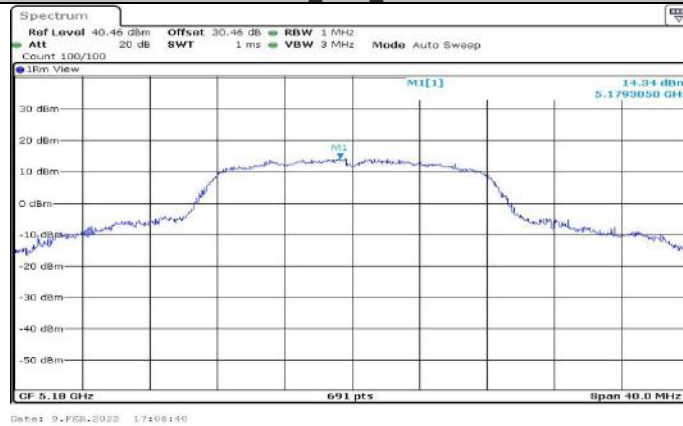
$Directional\ gain = G_{ANT} + Array\ Gain$

$Array\ Gain = 10 * \log(N_{ant}/N_{ss})\ dB$

For the worst case, $N_{ss}=1$, so:

$Directional\ gain = 4.5\ dBi + 10 * \log(4/1)\ dB = 10.5\ dBi > 6\ dBi$

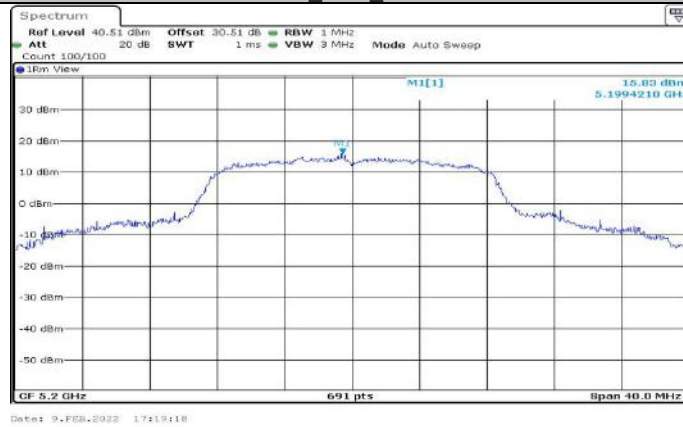
So the limit should reduce 4.5dB

Test Graphs**11A_Ant1_5180****11A_Ant2_5180****11A_Ant3_5180**

11A_Ant4_5180



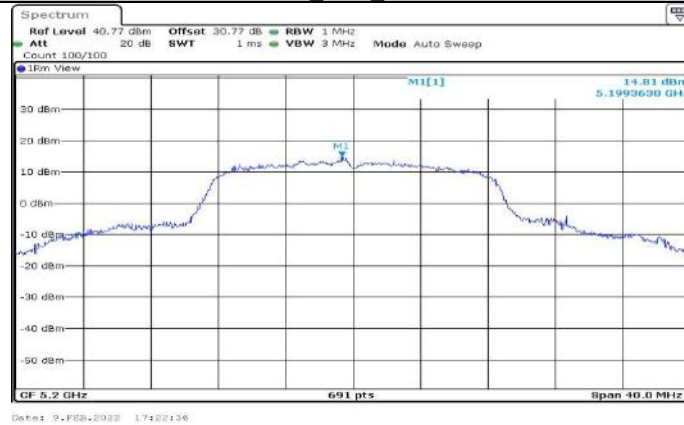
11A_Ant1_5200



11A_Ant2_5200



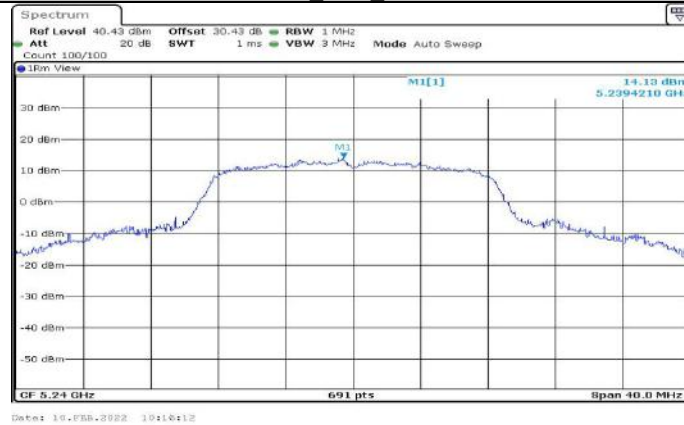
11A_Ant3_5200



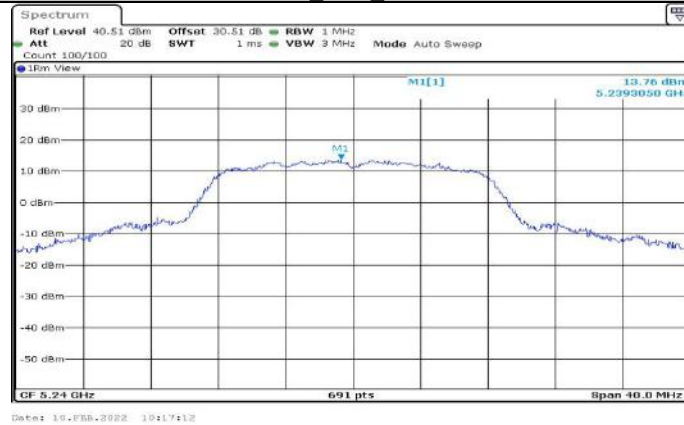
11A_Ant4_5200



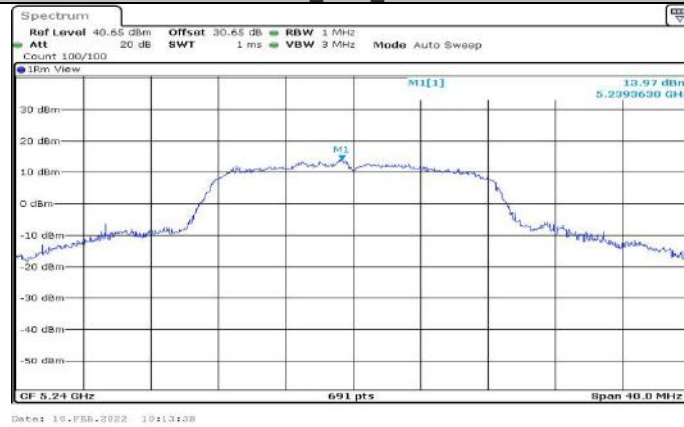
11A_Ant1_5240



11A_Ant2_5240



11A_Ant3_5240



11A_Ant4_5240



11A_Ant1_5260



11A_Ant2_5260



11A_Ant3_5260



11A_Ant4_5260



11A_Ant1_5280



11A_Ant2_5280



11A_Ant3_5280



11A_Ant4_5280



11A_Ant1_5320



11A_Ant2_5320



11A_Ant3_5320



11A_Ant4_5320



11A_Ant1_5500



11A_Ant2_5500



11A_Ant3_5500



11A_Ant4_5500



11A_Ant1_5580



11A_Ant2_5580



11A_Ant3_5580



11A_Ant4_5580



11A_Ant1_5700



11A_Ant2_5700



11A_Ant3_5700



11A_Ant4_5700



11A_Ant1_5745



11A_Ant2_5745



11A_Ant3_5745



11A_Ant4_5745



11A_Ant1_5785



11A_Ant2_5785



11A_Ant3_5785



11A_Ant4_5785



11A_Ant1_5825



11A_Ant2_5825



11A_Ant3_5825



11A_Ant4_5825



11N20MIMO_Ant1_5180



11N20MIMO_Ant2_5180



11N20MIMO_Ant3_5180



11N20MIMO_Ant4_5180

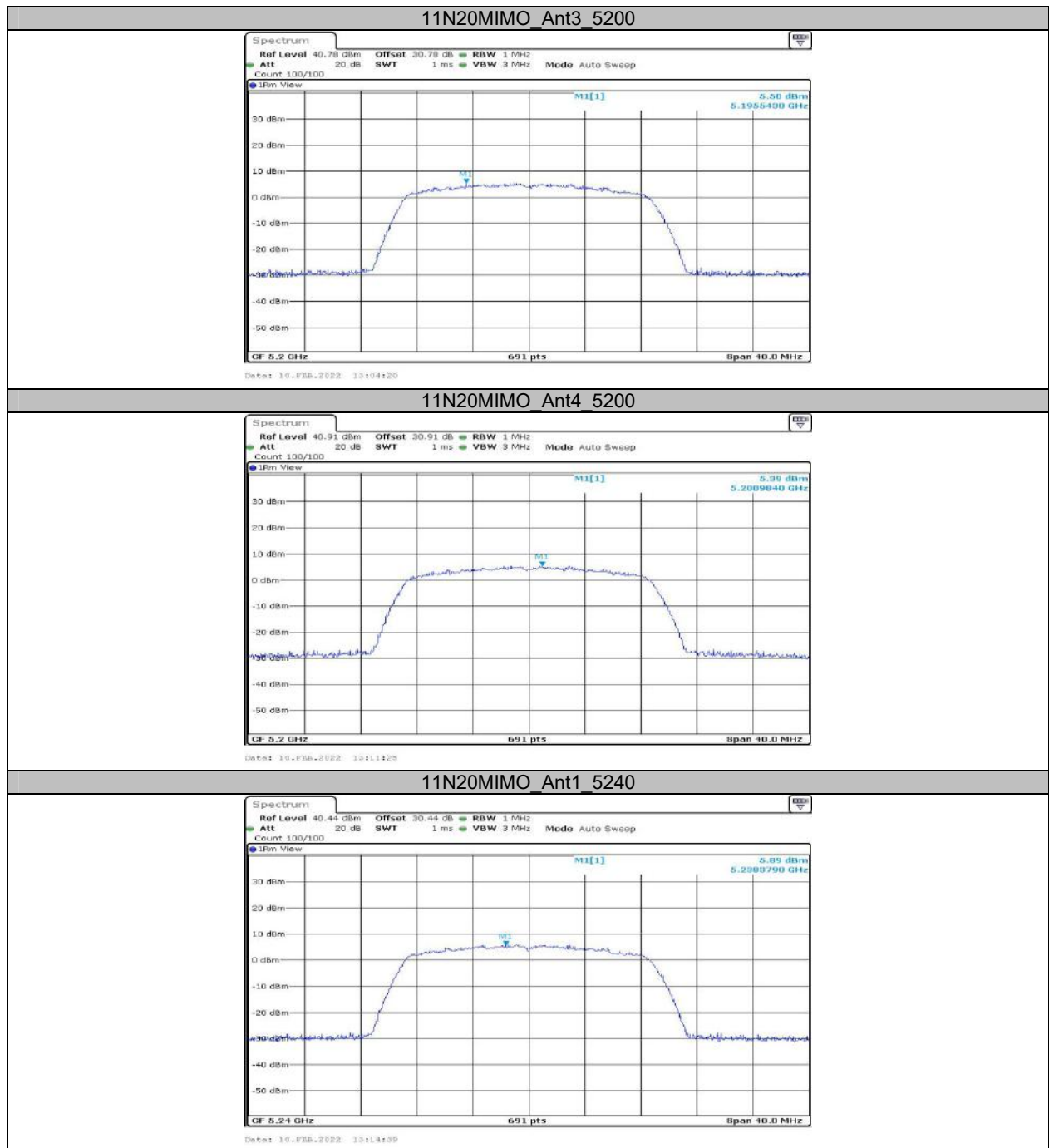


11N20MIMO_Ant1_5200



11N20MIMO_Ant2_5200





11N20MIMO_Ant2_5240



11N20MIMO_Ant3_5240



11N20MIMO_Ant4_5240



11N20MIMO_Ant1_5260



11N20MIMO_Ant2_5260



11N20MIMO_Ant3_5260



11N20MIMO_Ant4_5260

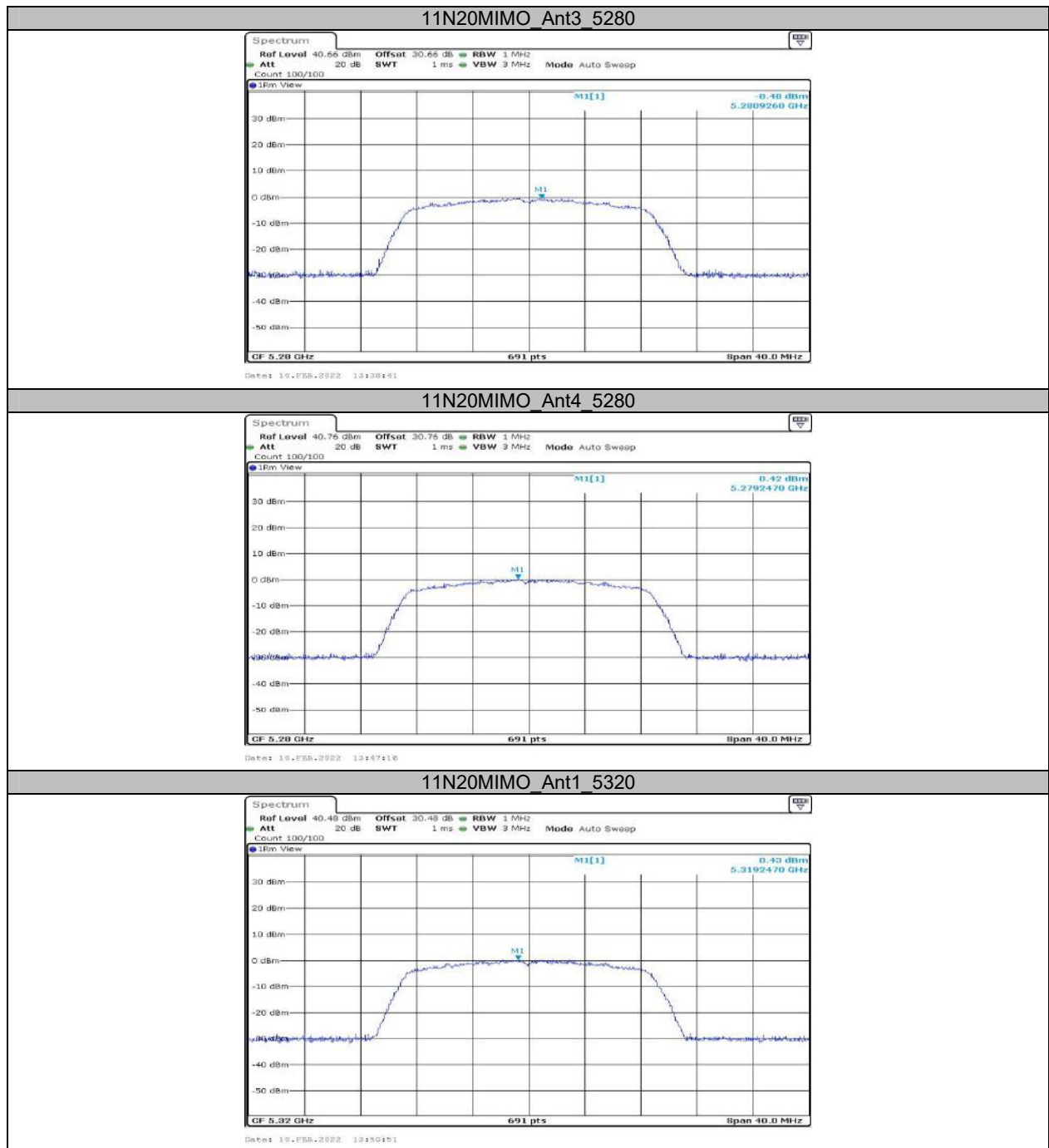


11N20MIMO_Ant1_5280



11N20MIMO_Ant2_5280





11N20MIMO_Ant2_5320



11N20MIMO_Ant3_5320



11N20MIMO_Ant4_5320



11N20MIMO_Ant1_5500

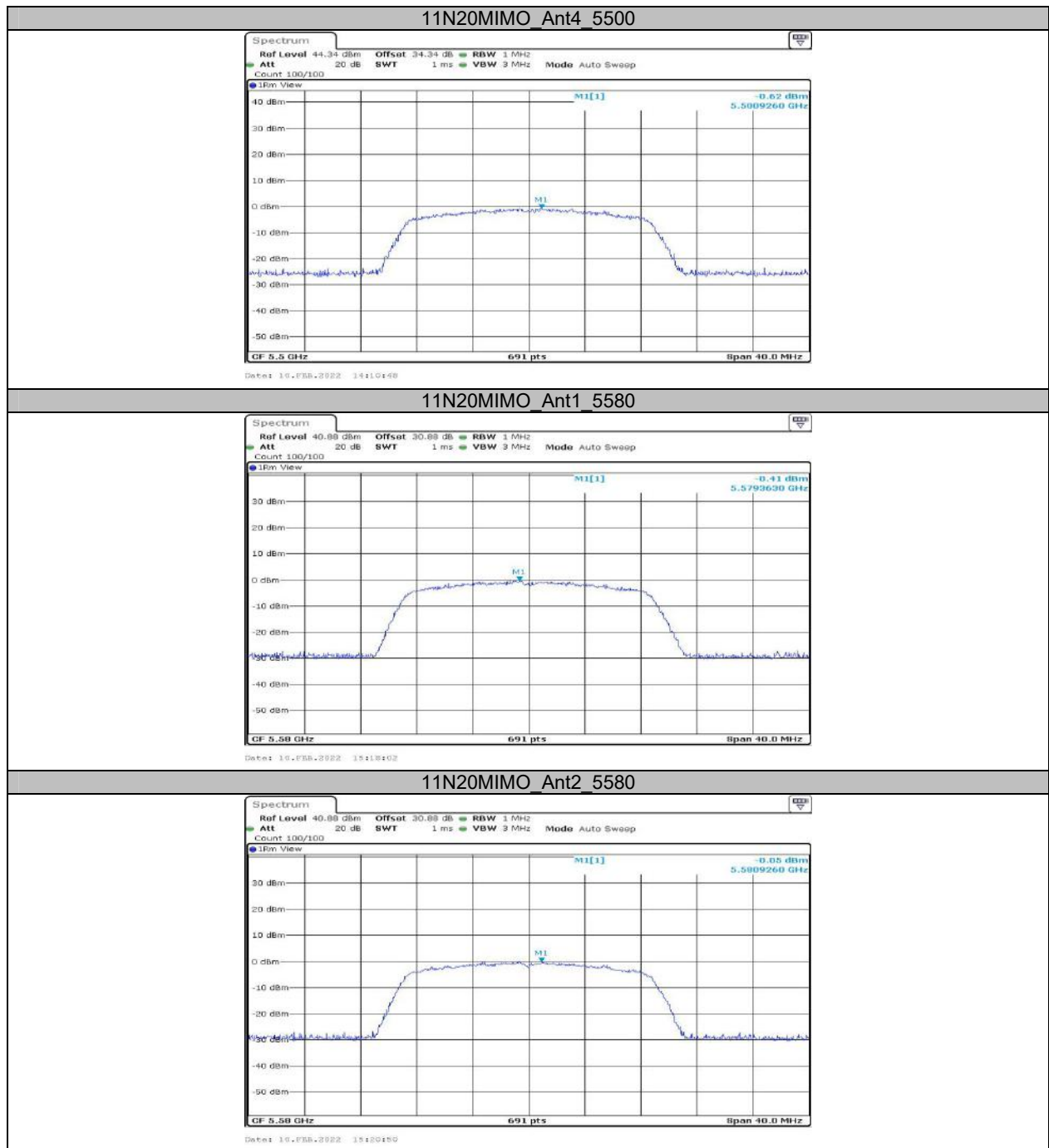


11N20MIMO_Ant2_5500



11N20MIMO_Ant3_5500





11N20MIMO_Ant3_5580



11N20MIMO_Ant4_5580



11N20MIMO_Ant1_5700



11N20MIMO_Ant2_5700



11N20MIMO_Ant3_5700



11N20MIMO_Ant4_5700



11N20MIMO_Ant1_5745



11N20MIMO_Ant2_5745



11N20MIMO_Ant3_5745



11N20MIMO_Ant4_5745



11N20MIMO_Ant1_5785



11N20MIMO_Ant2_5785



11N20MIMO_Ant3_5785



11N20MIMO_Ant4_5785



11N20MIMO_Ant1_5825



11N20MIMO_Ant2_5825



11N20MIMO_Ant3_5825



11N20MIMO_Ant4_5825



11N40MIMO_Ant1_5190



11N40MIMO_Ant2_5190



11N40MIMO_Ant3_5190



11N40MIMO_Ant4_5190



11N40MIMO_Ant1_5230



11N40MIMO_Ant2_5230



11N40MIMO_Ant3_5230

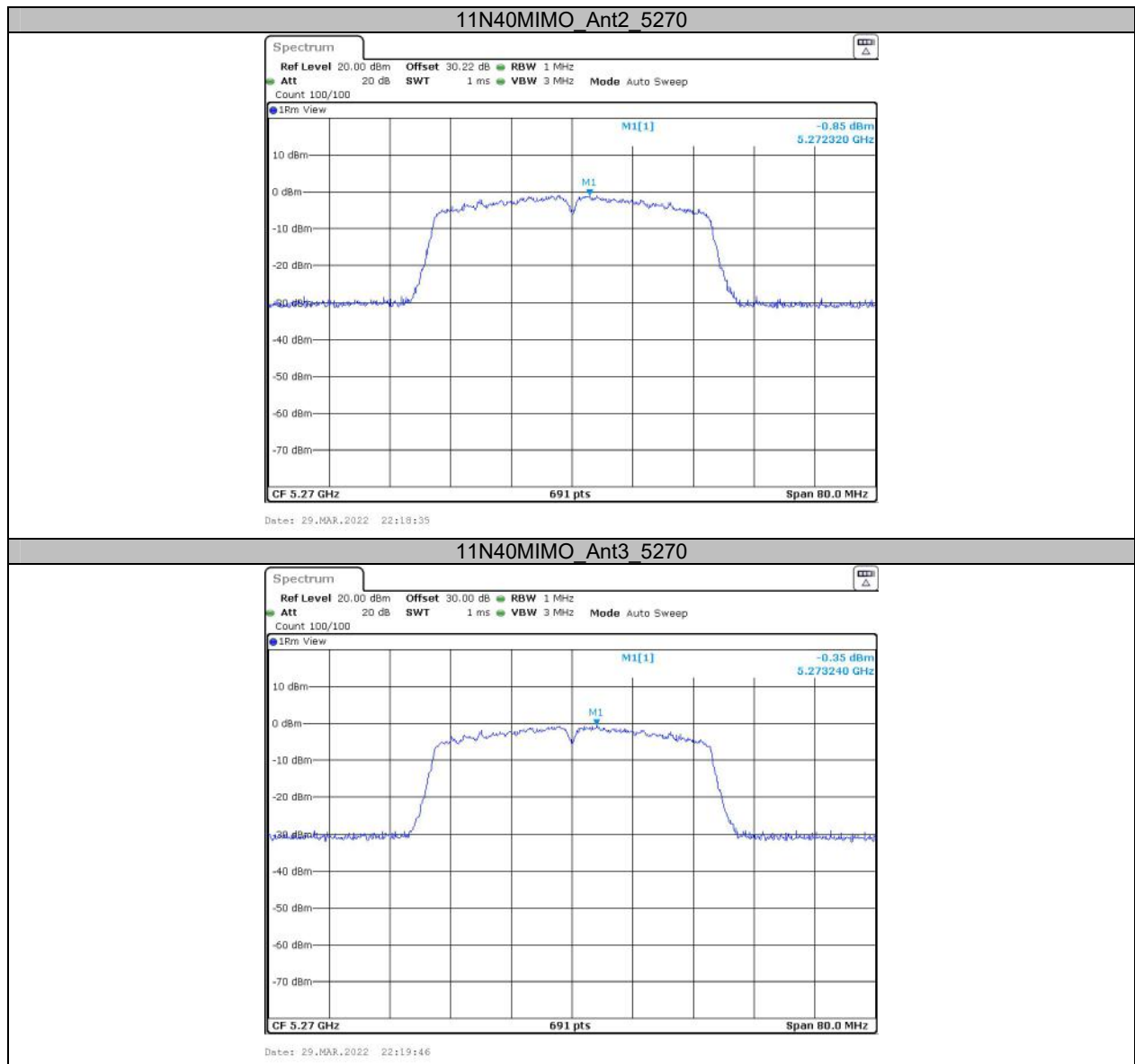


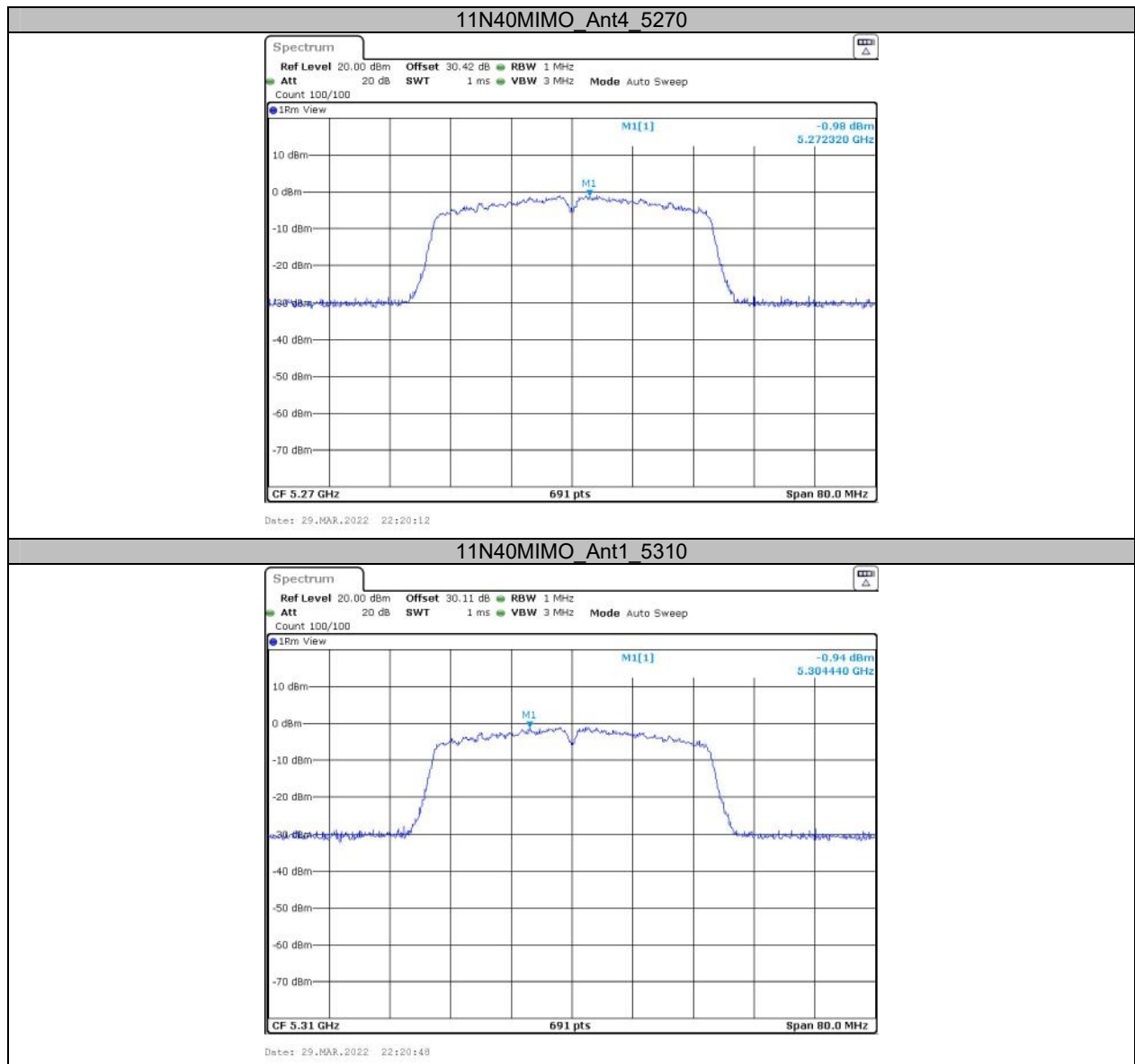
11N40MIMO_Ant4_5230

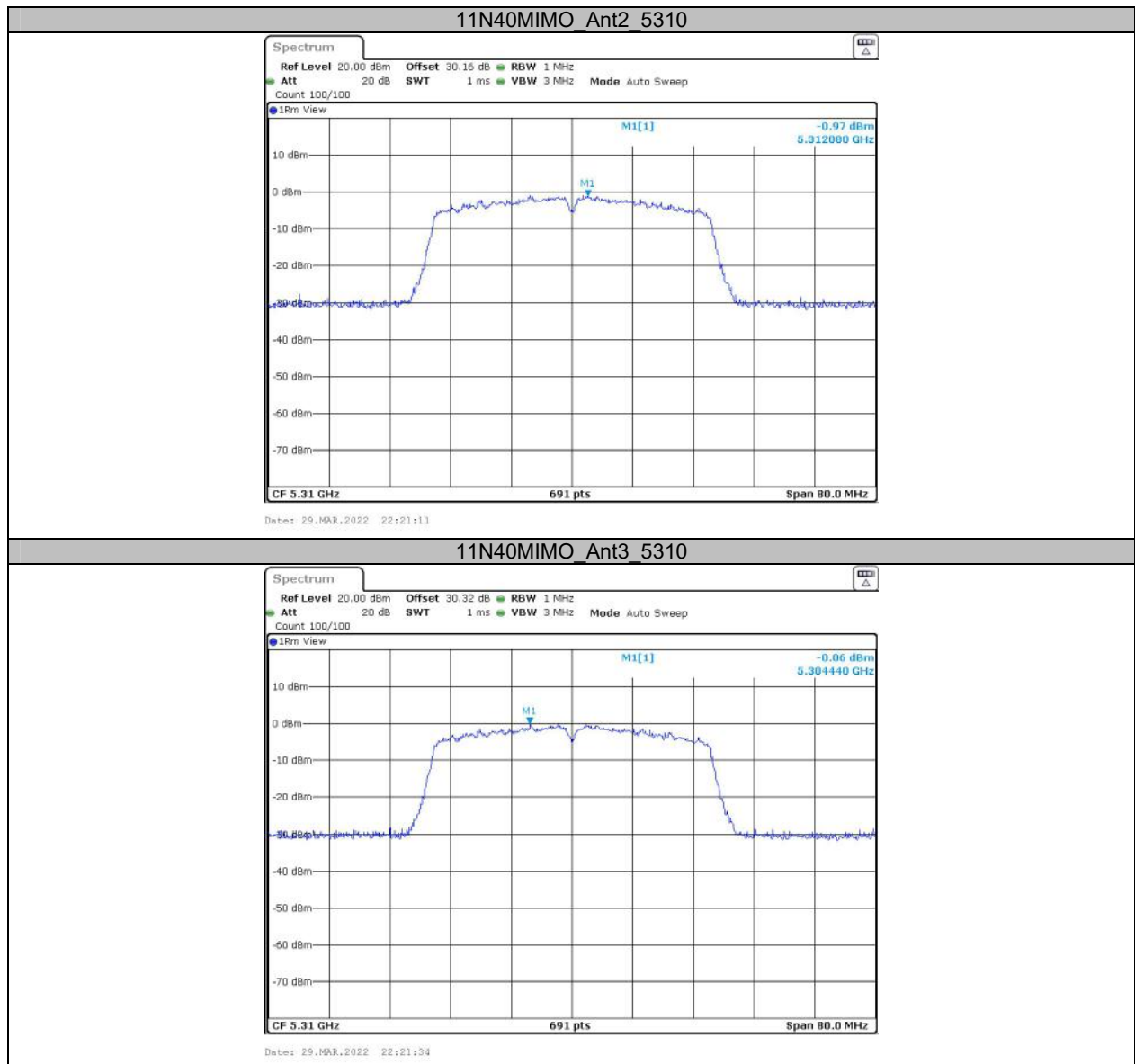


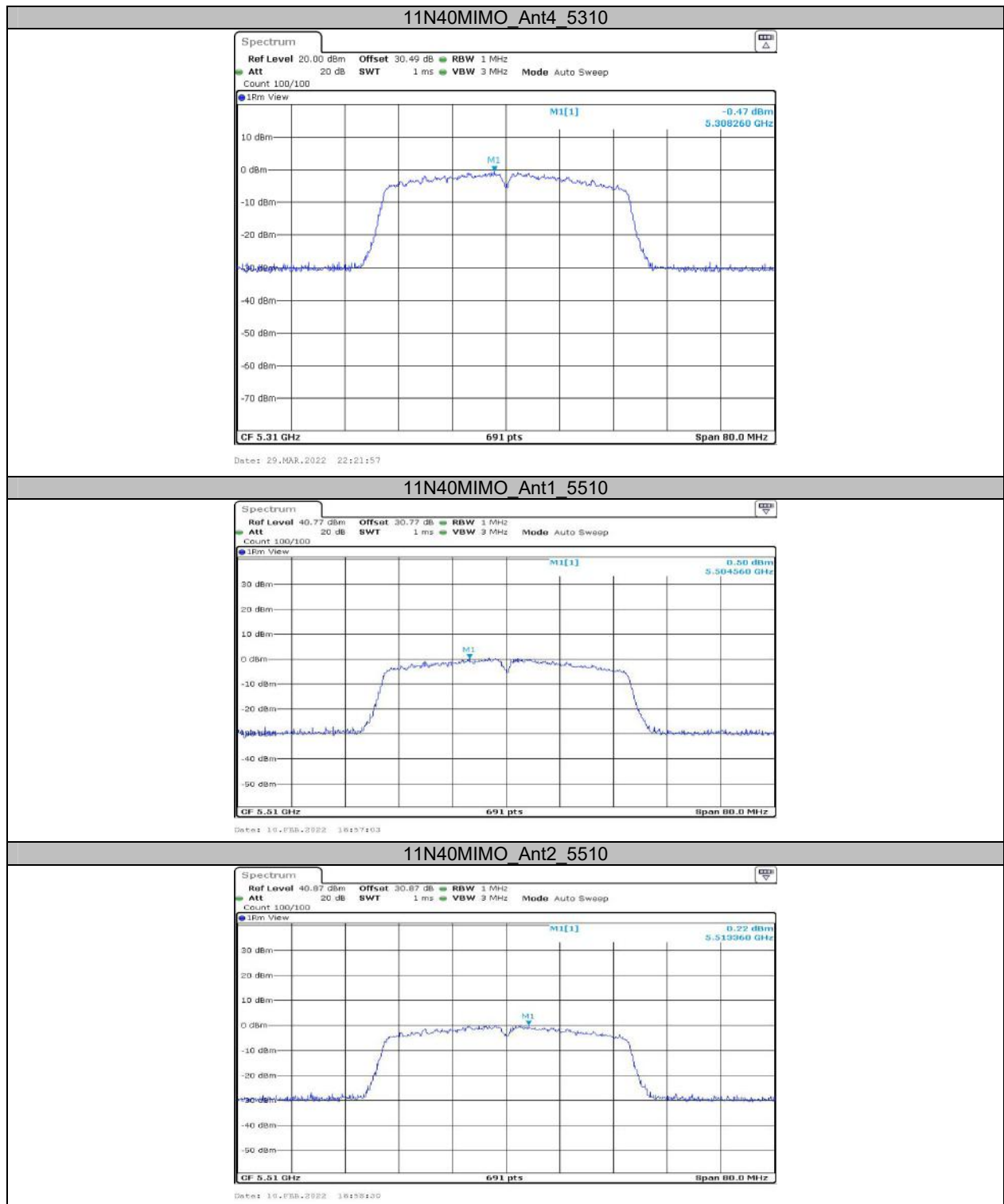
11N40MIMO_Ant1_5270

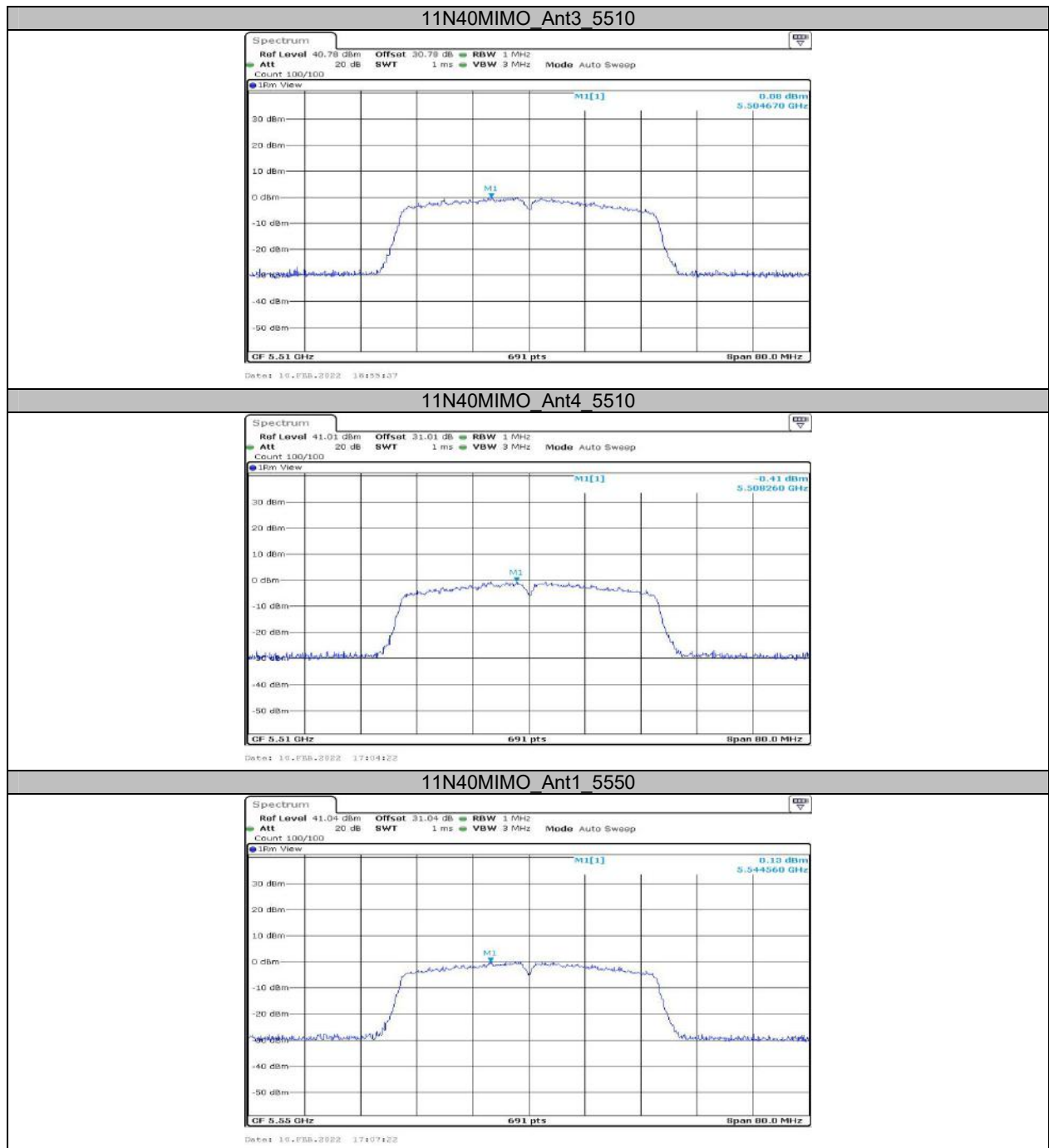












11N40MIMO_Ant2_5550



11N40MIMO_Ant3_5550



11N40MIMO_Ant4_5550



11N40MIMO_Ant1_5670



11N40MIMO_Ant2_5670



11N40MIMO_Ant3_5670



11N40MIMO_Ant4_5670



11N40MIMO_Ant1_5755



11N40MIMO_Ant2_5755



11N40MIMO_Ant3_5755



11N40MIMO_Ant4_5755



11N40MIMO_Ant1_5795



11N40MIMO_Ant2_5795

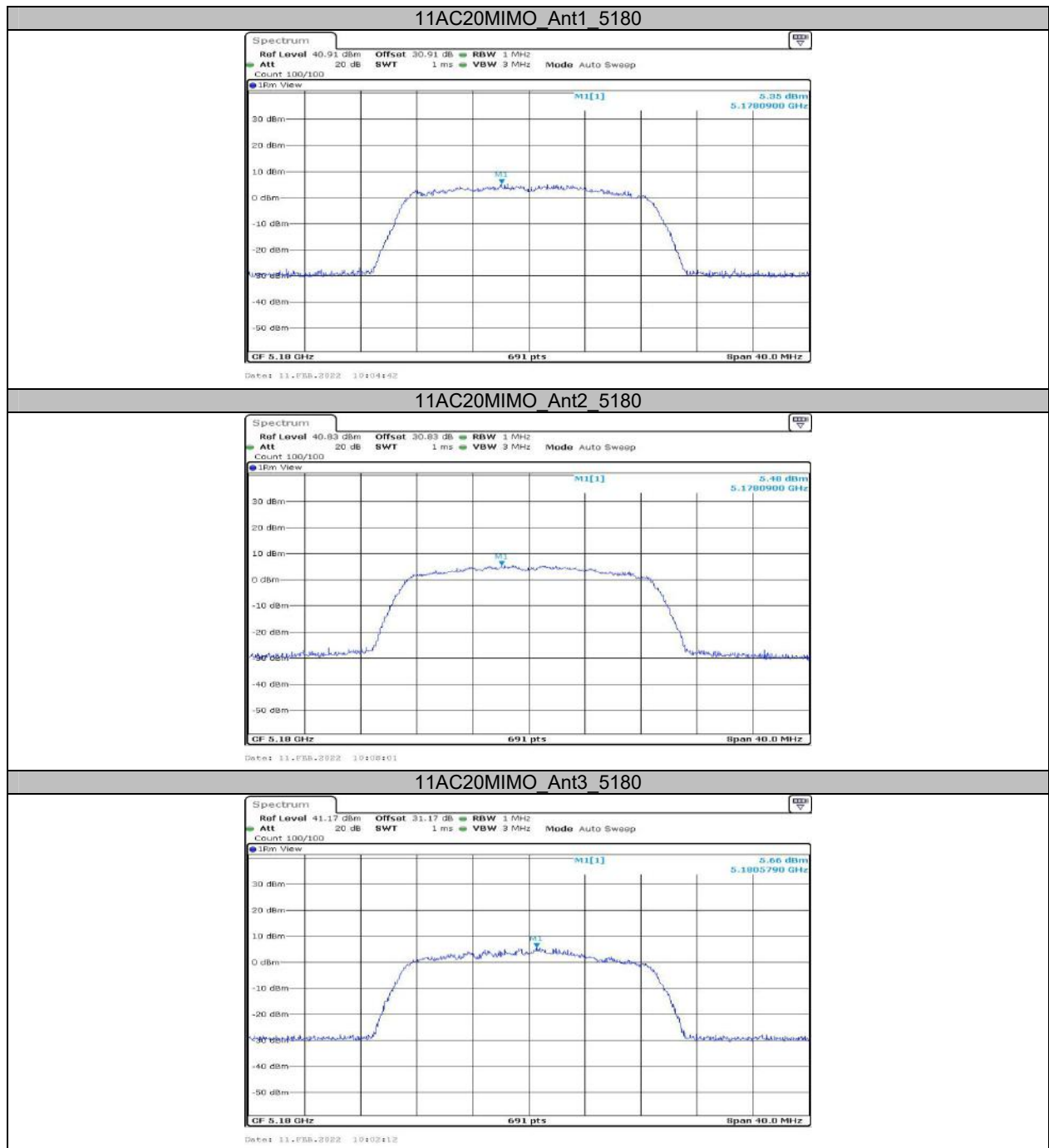


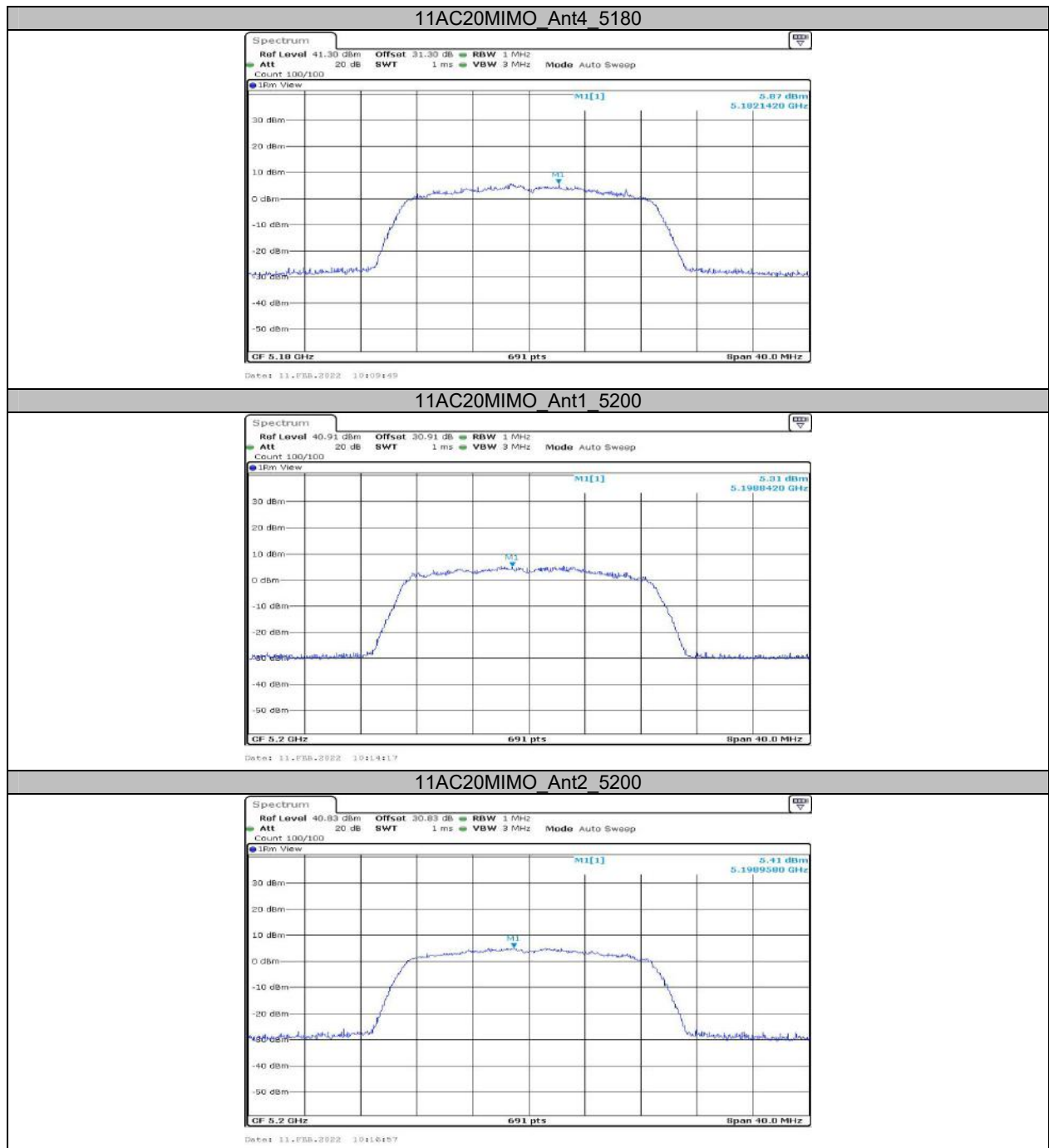
11N40MIMO_Ant3_5795



11N40MIMO_Ant4_5795







11AC20MIMO_Ant3_5200



11AC20MIMO_Ant4_5200



11AC20MIMO_Ant1_5240



11AC20MIMO_Ant2_5240

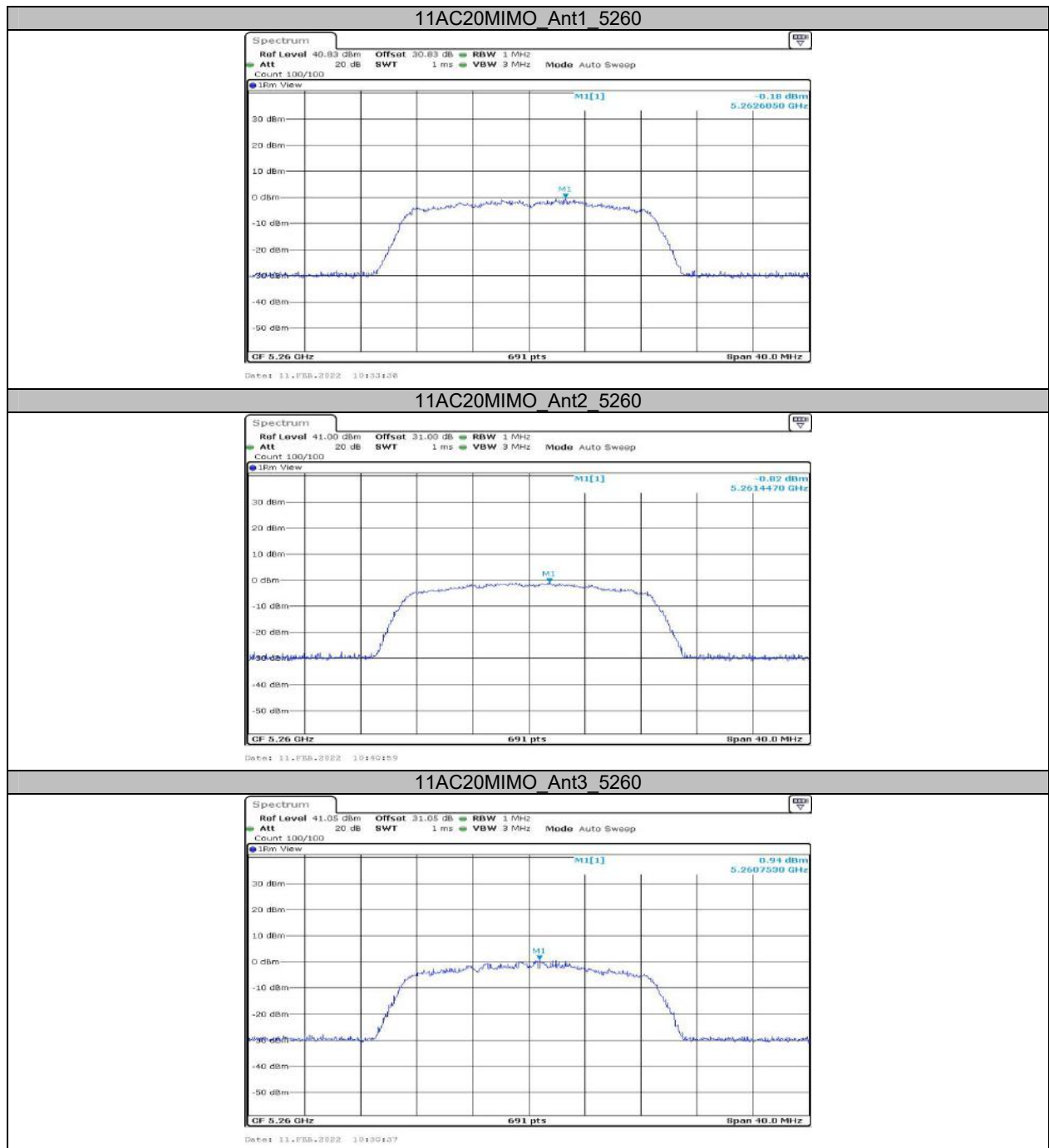


11AC20MIMO_Ant3_5240



11AC20MIMO_Ant4_5240

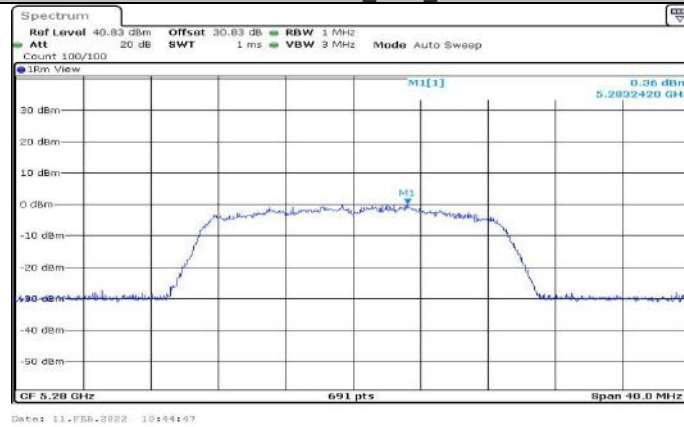




11AC20MIMO Ant4 5260

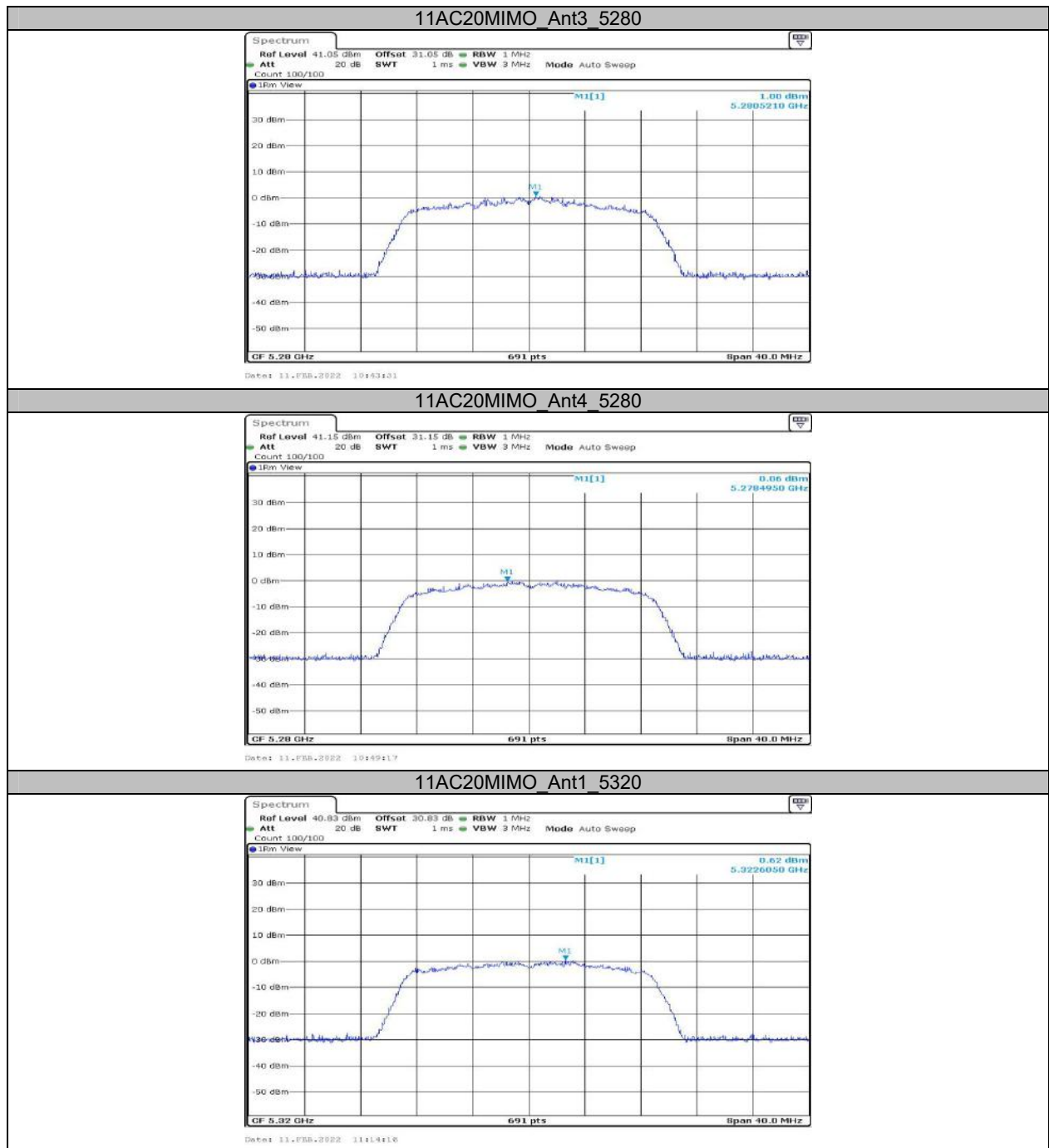


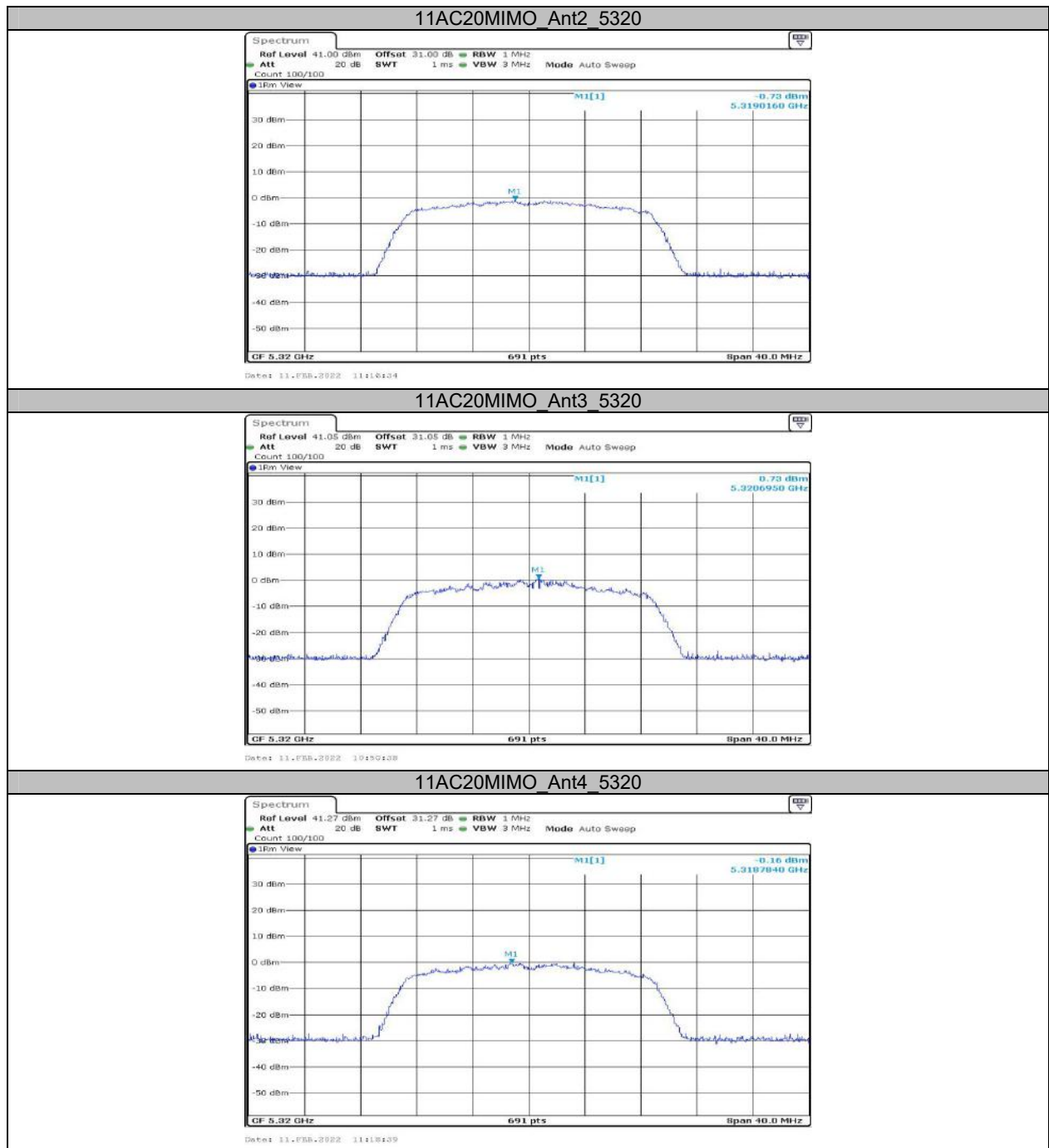
11AC20MIMO Ant1 5280

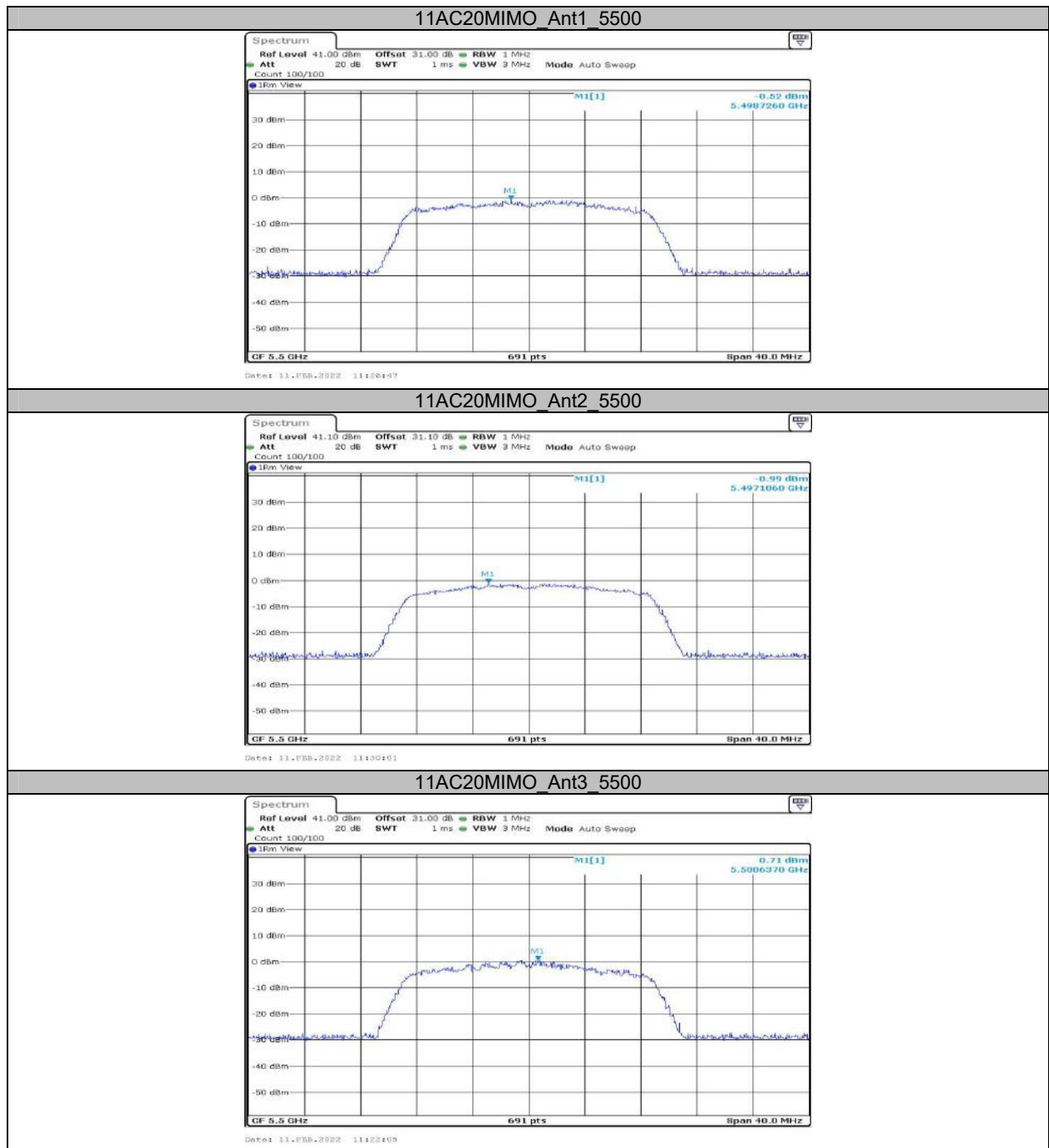


11AC20MIMO Ant2 5280

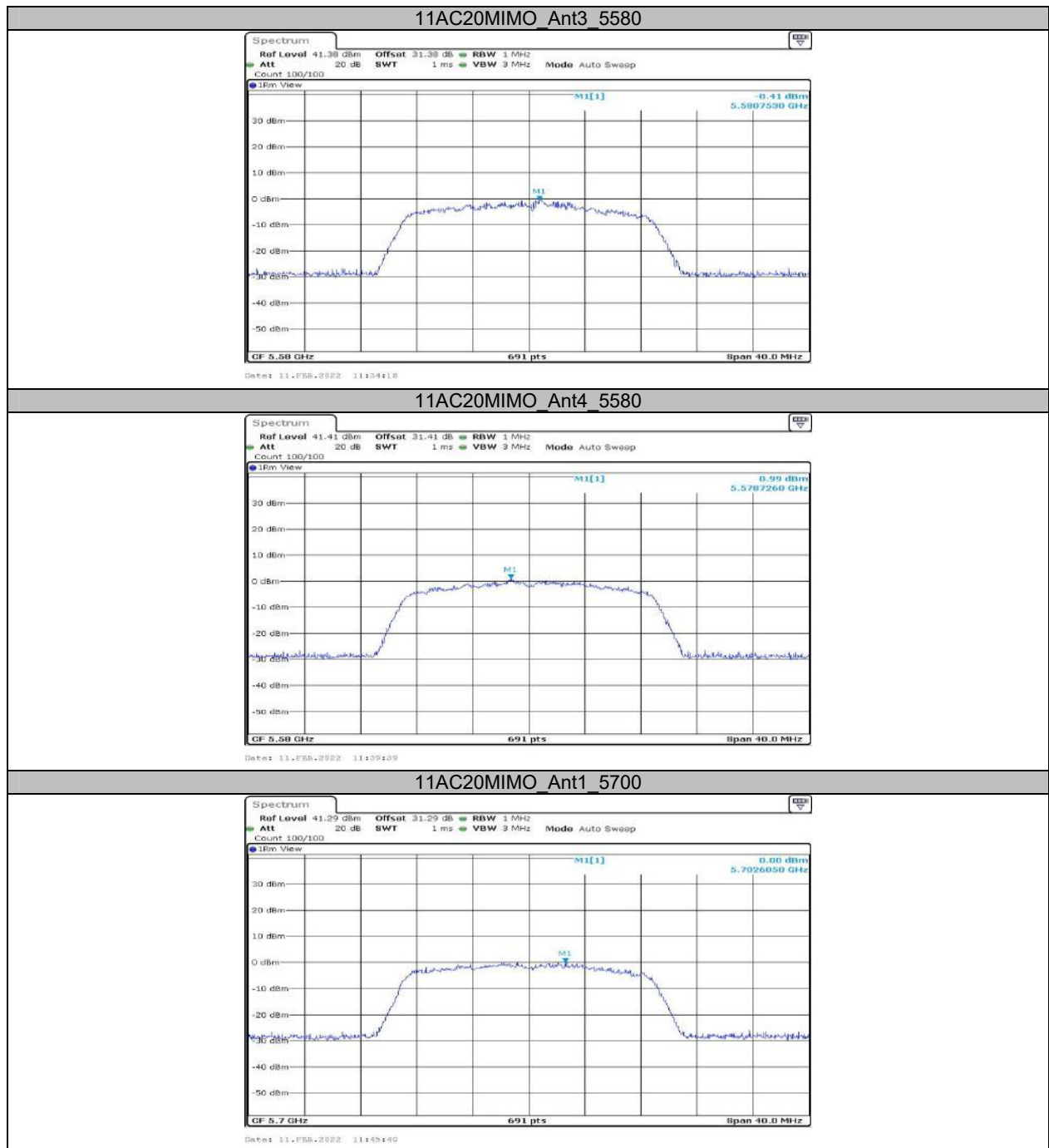












11AC20MIMO_Ant2_5700



11AC20MIMO_Ant3_5700



11AC20MIMO_Ant4_5700



11AC20MIMO_Ant1_5745



11AC20MIMO_Ant2_5745



11AC20MIMO_Ant3_5745



11AC20MIMO Ant4 5745



11AC20MIMO Ant1 5785



11AC20MIMO Ant2 5785



11AC20MIMO Ant3 5785



11AC20MIMO Ant4 5785



11AC20MIMO Ant1 5825



11AC20MIMO_Ant2_5825

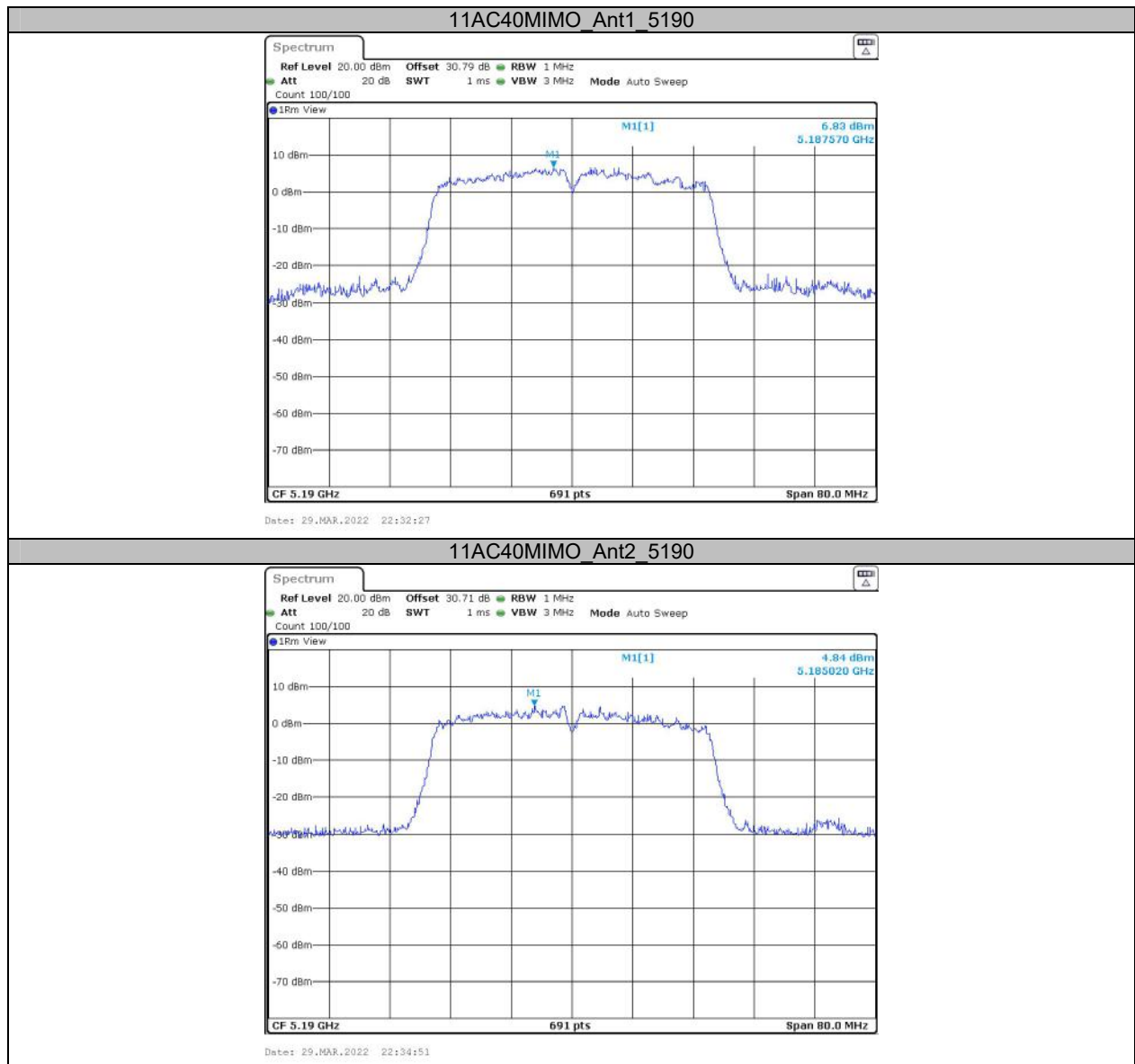


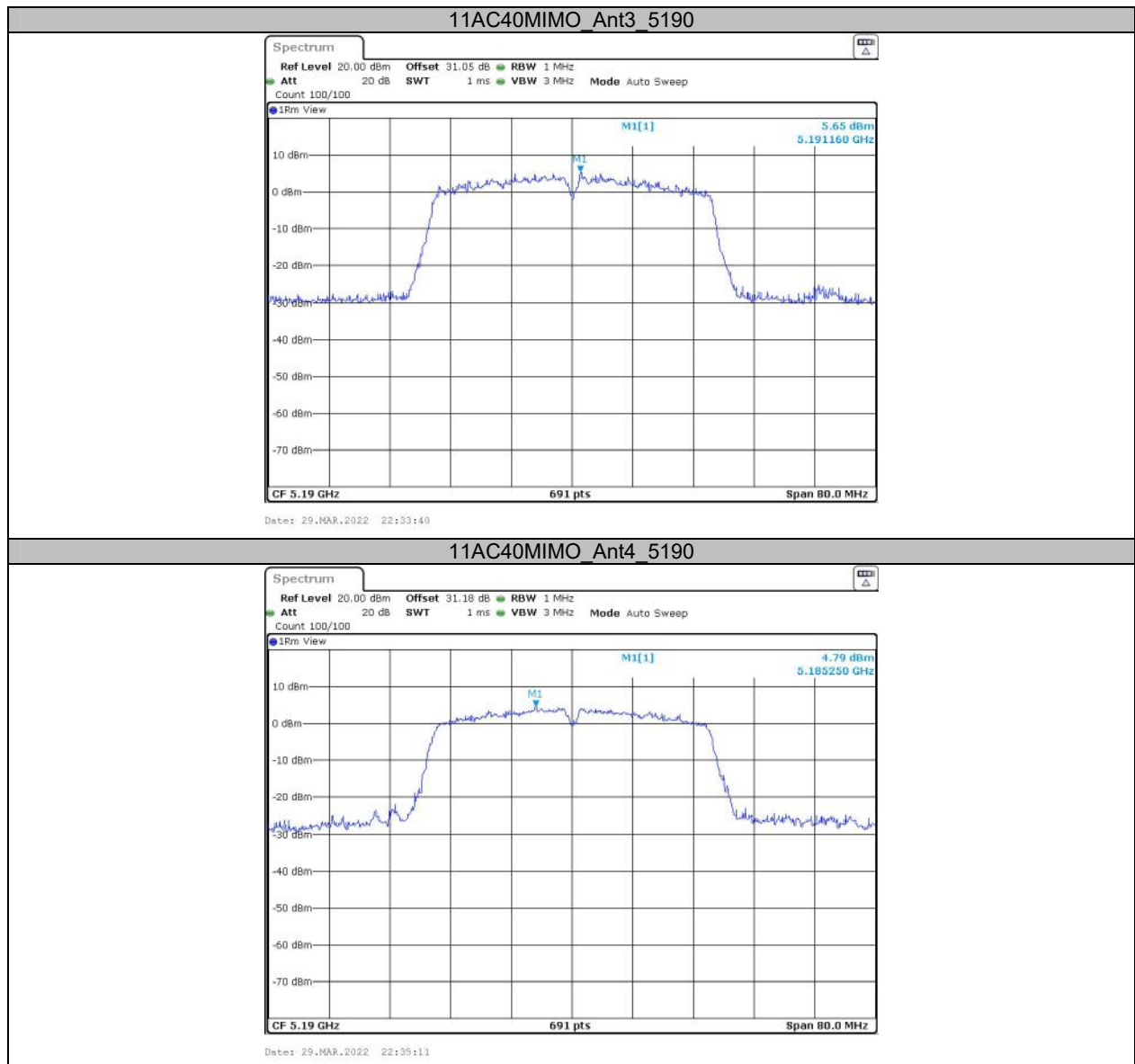
11AC20MIMO_Ant3_5825

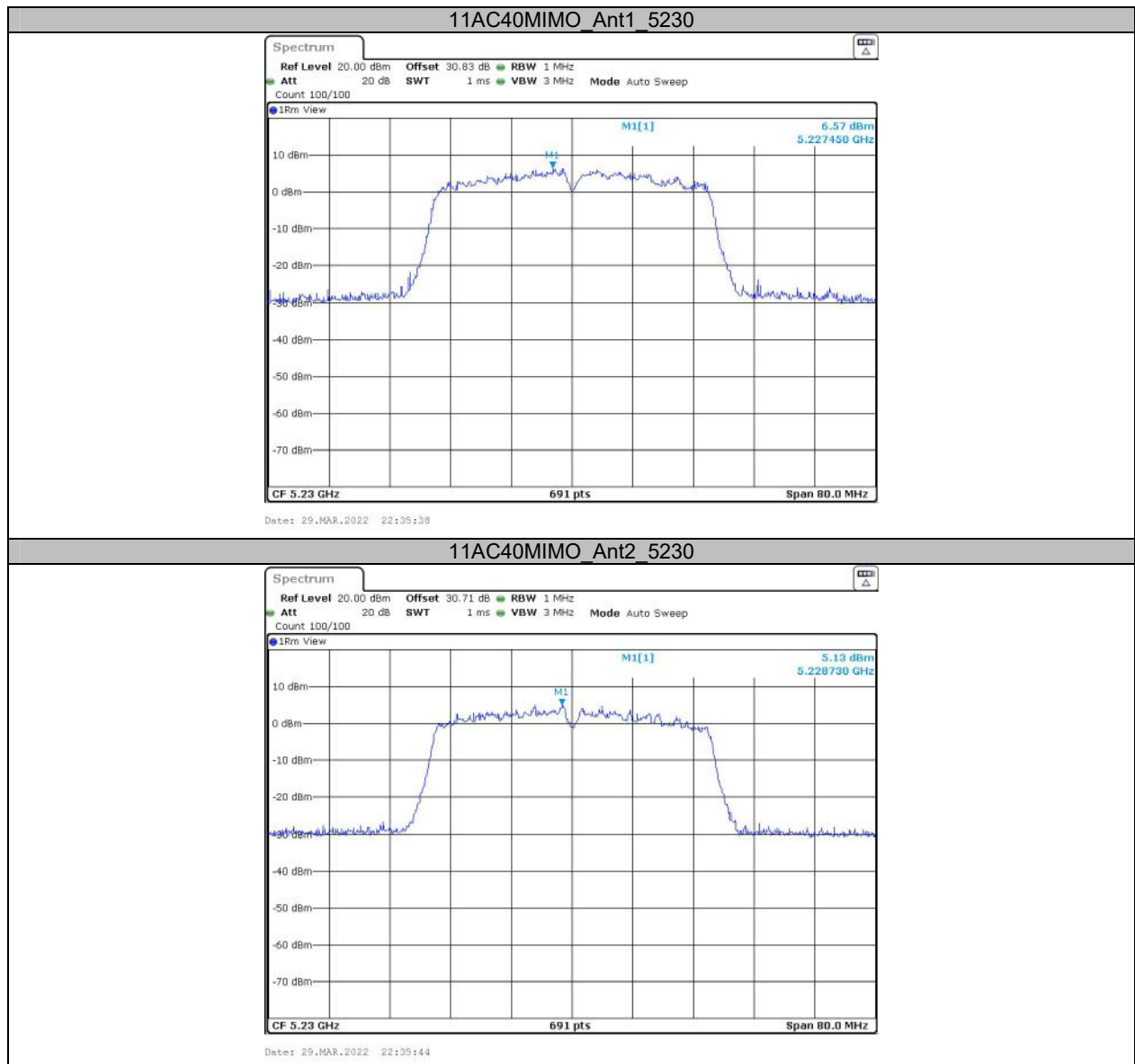


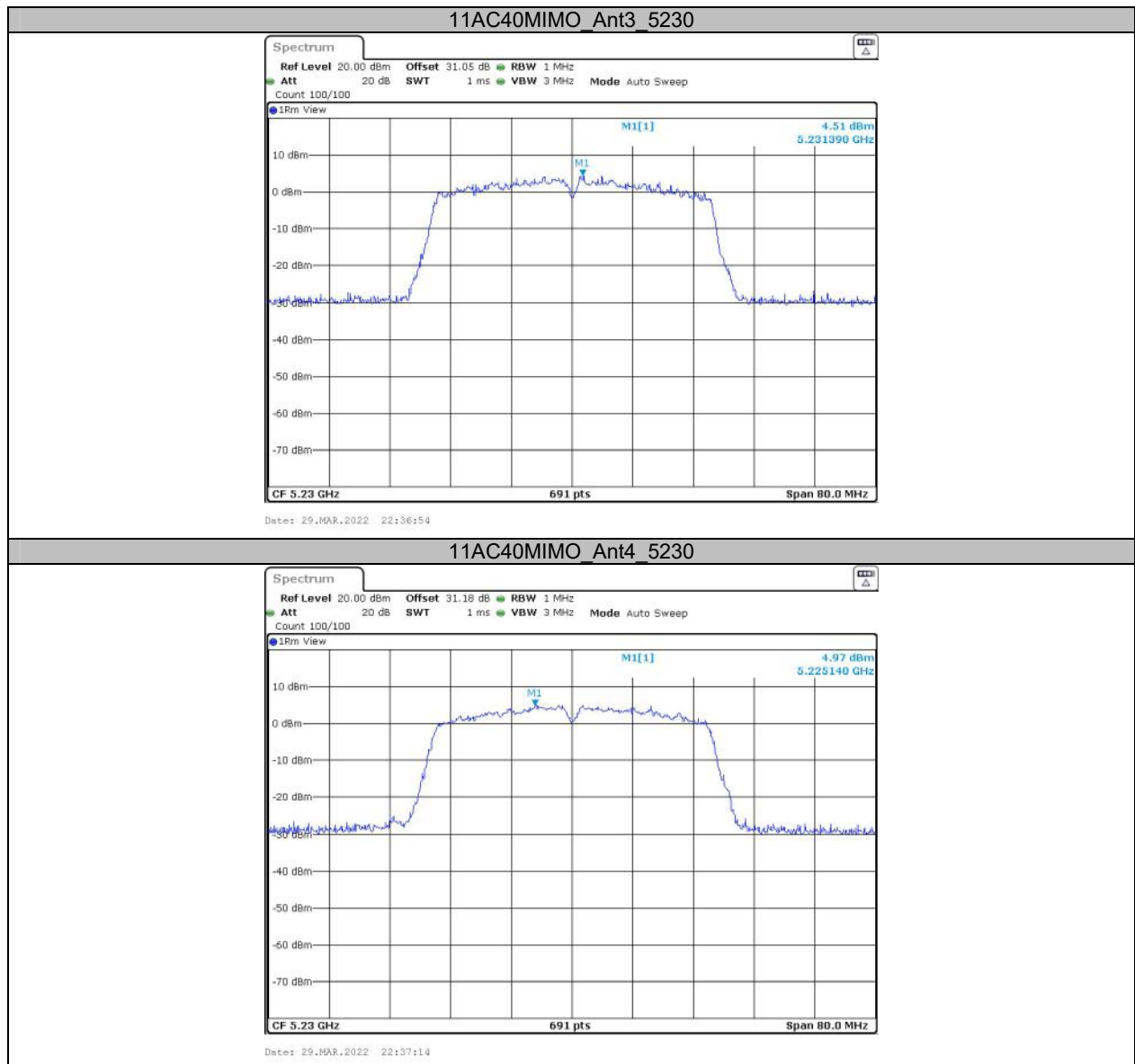
11AC20MIMO_Ant4_5825

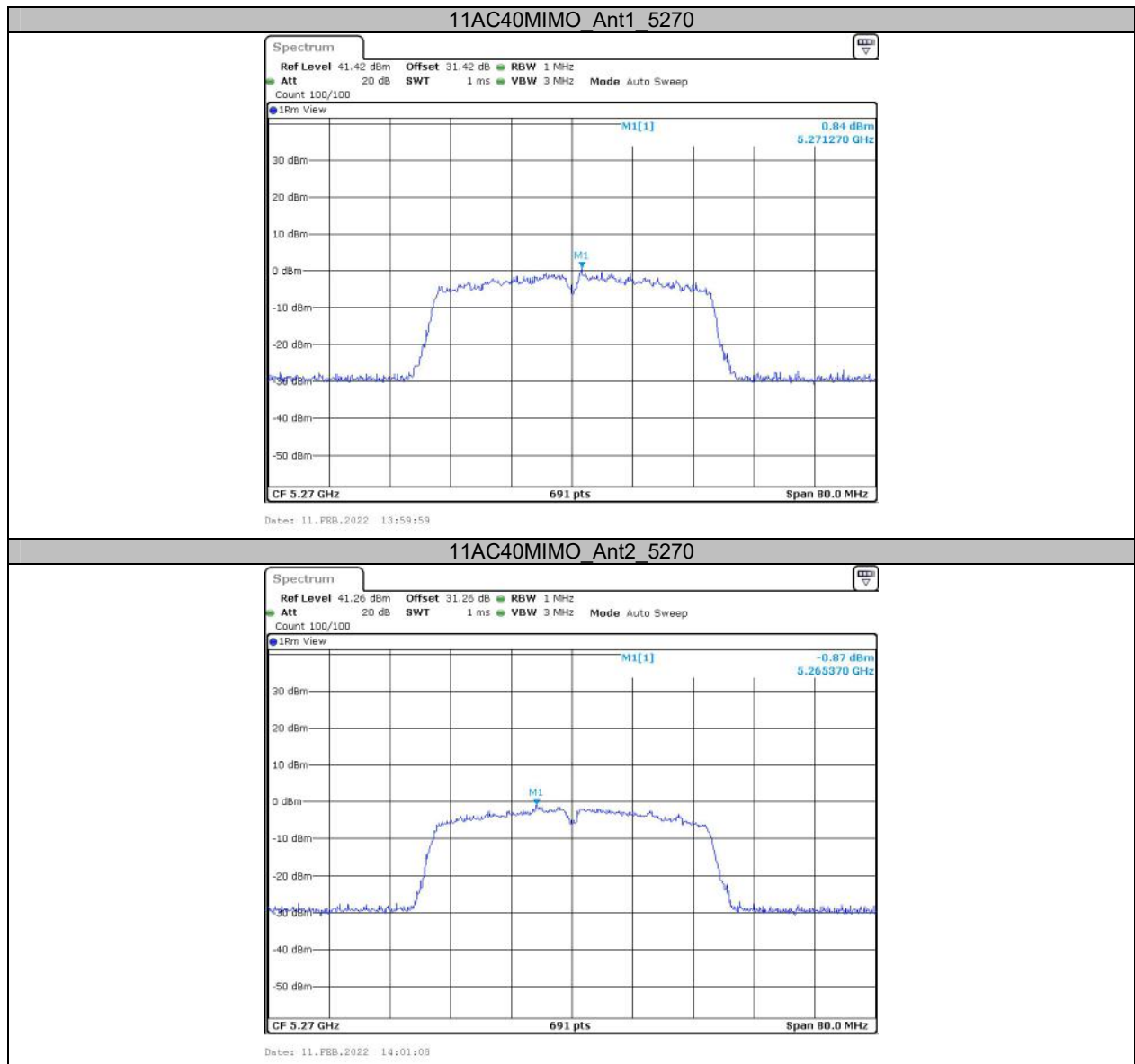


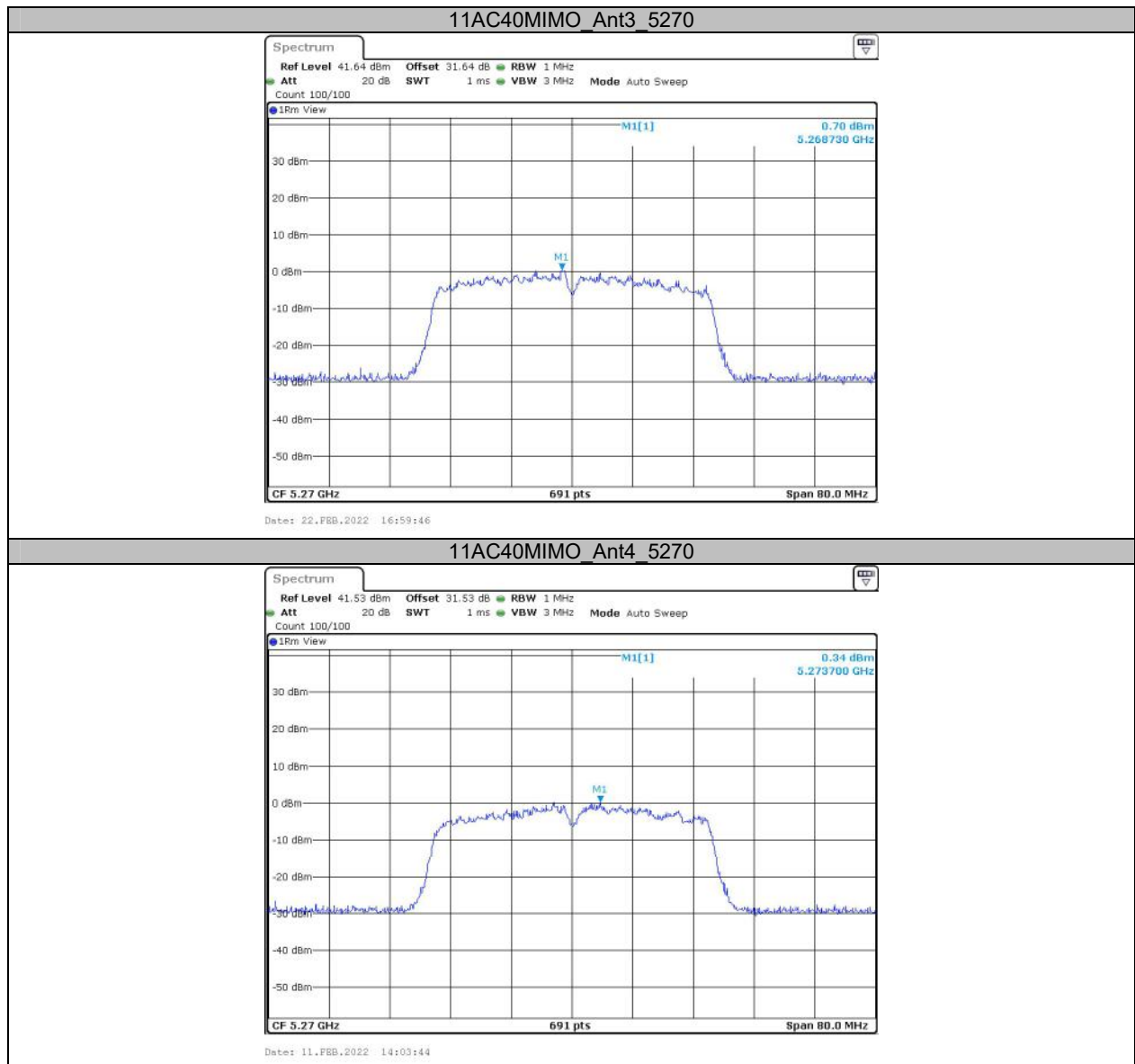


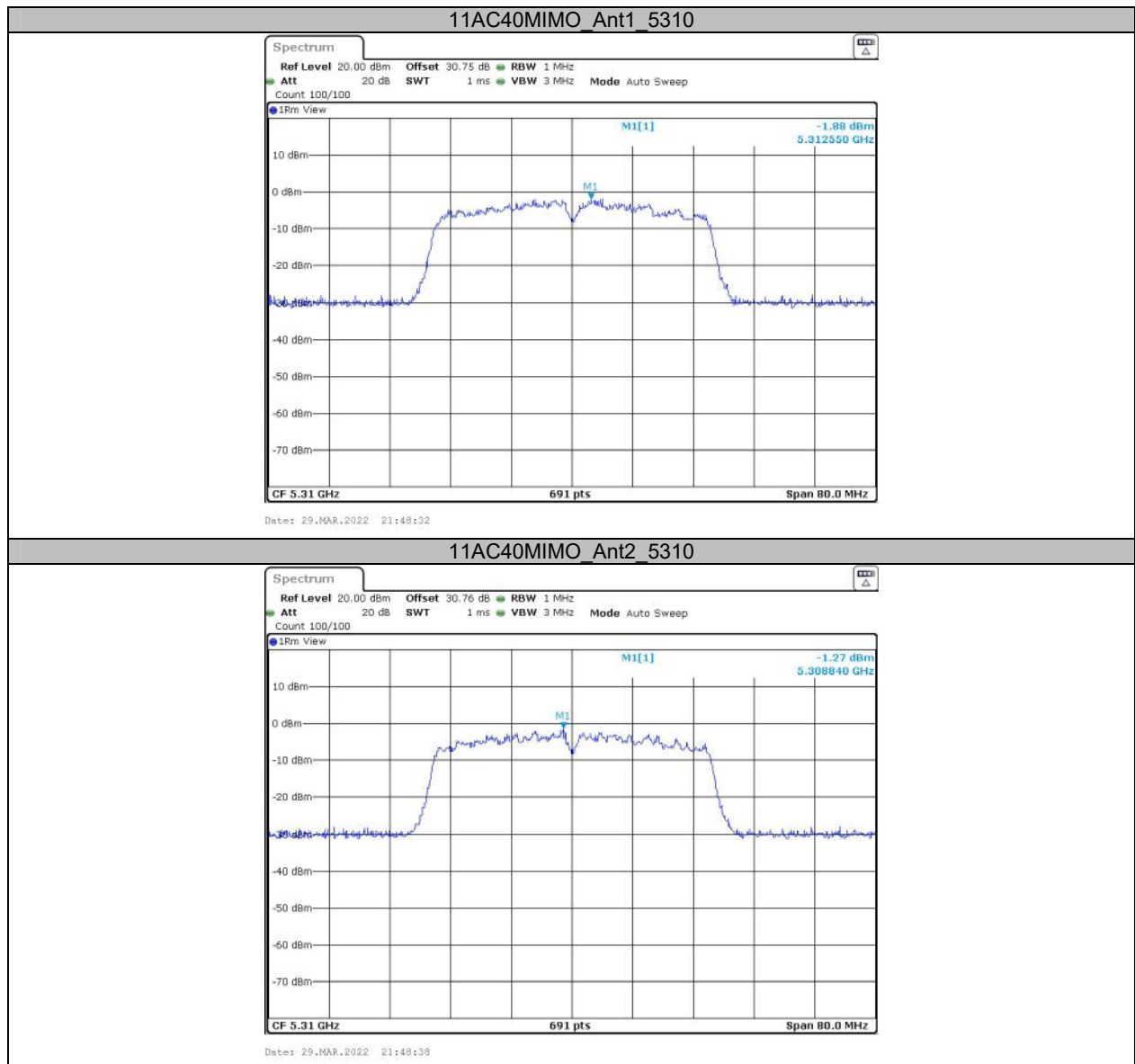


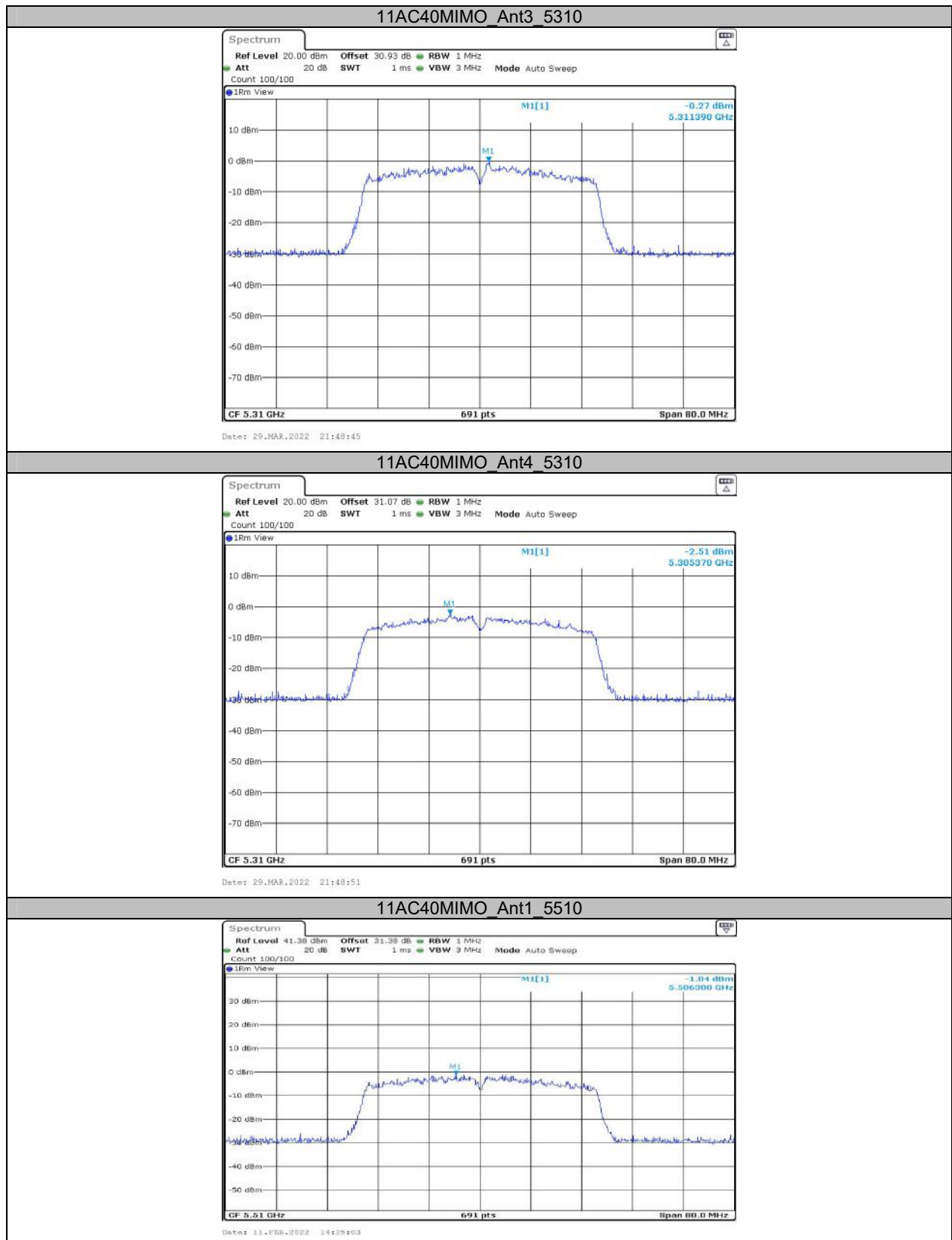










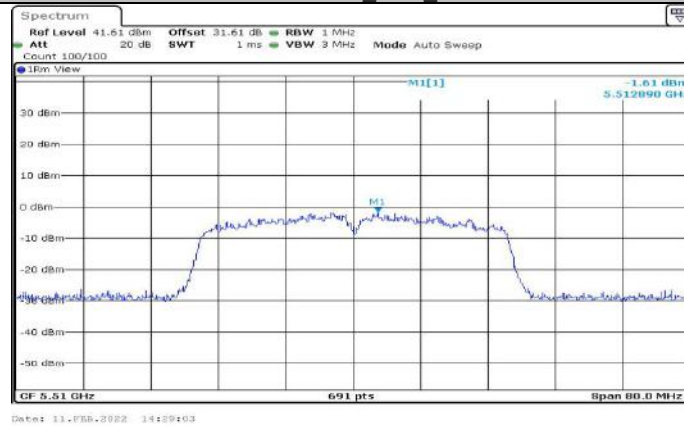




11AC40MIMO_Ant3_5510



11AC40MIMO_Ant4_5510



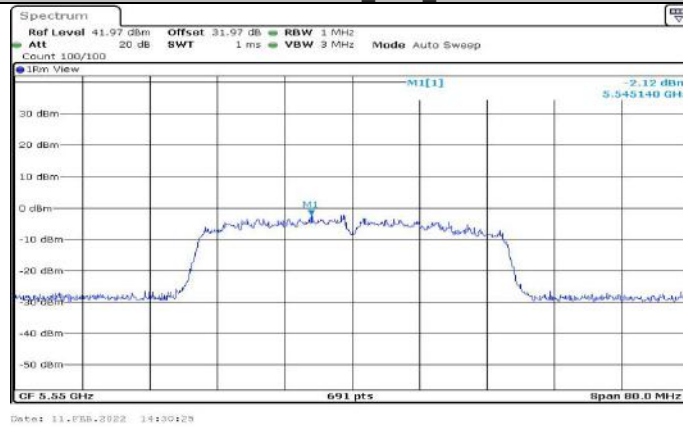
11AC40MIMO_Ant1_5550



11AC40MIMO_Ant2_5550



11AC40MIMO_Ant3_5550



11AC40MIMO_Ant4_5550



11AC40MIMO_Ant1_5670



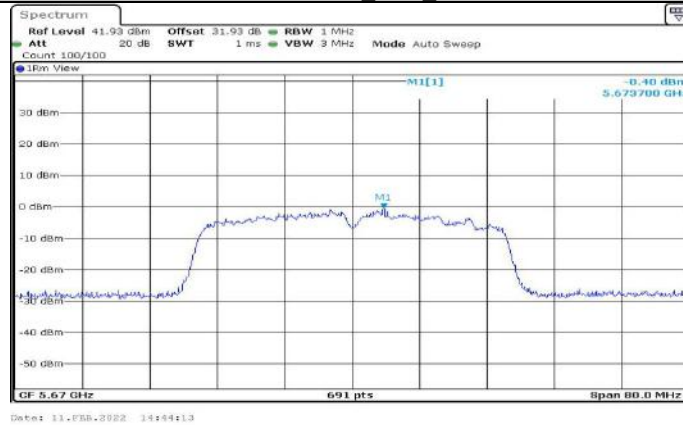
11AC40MIMO_Ant2_5670



11AC40MIMO_Ant3_5670



11AC40MIMO_Ant4_5670

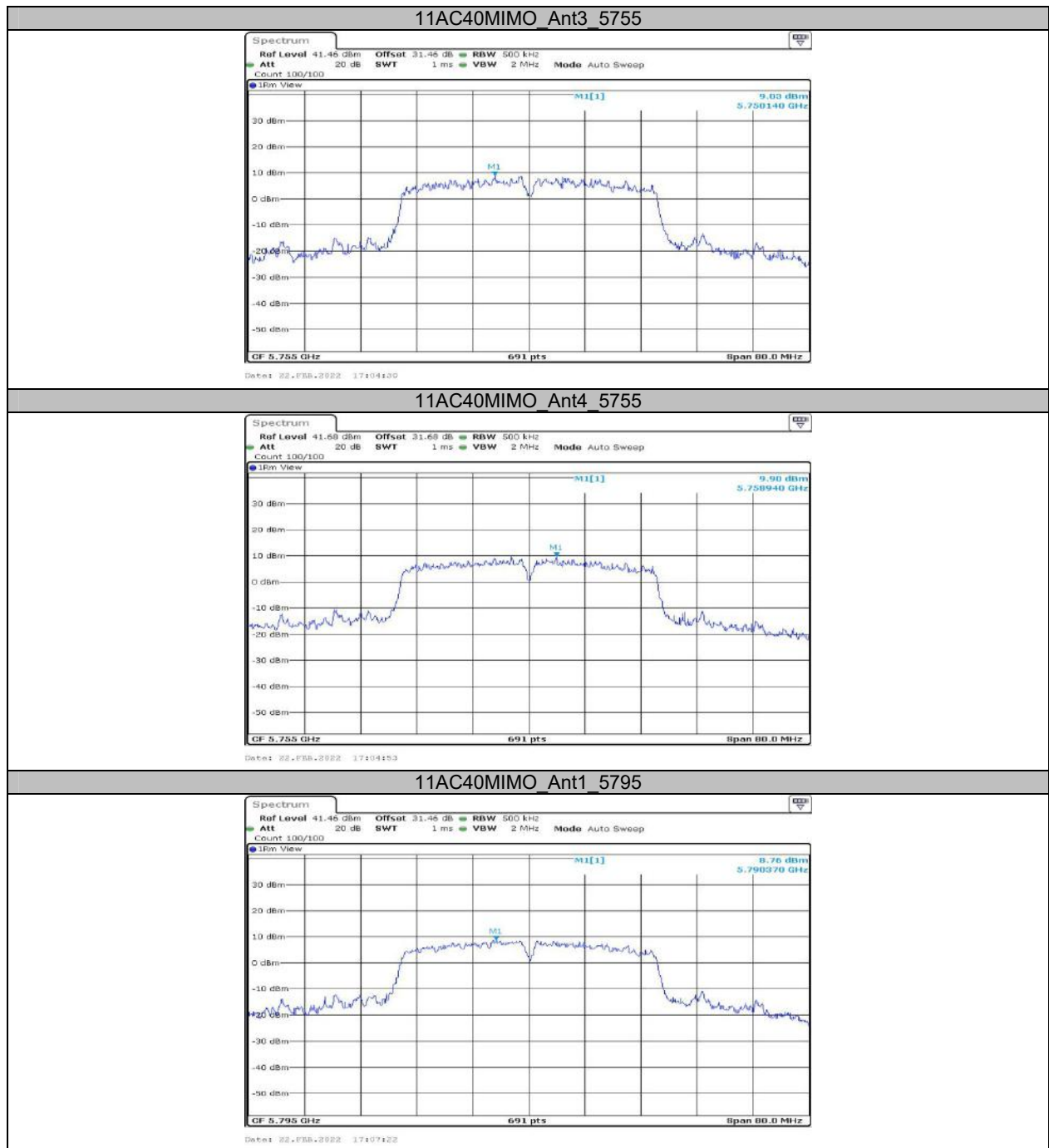


11AC40MIMO_Ant1_5755



11AC40MIMO_Ant2_5755





11AC40MIMO_Ant2_5795

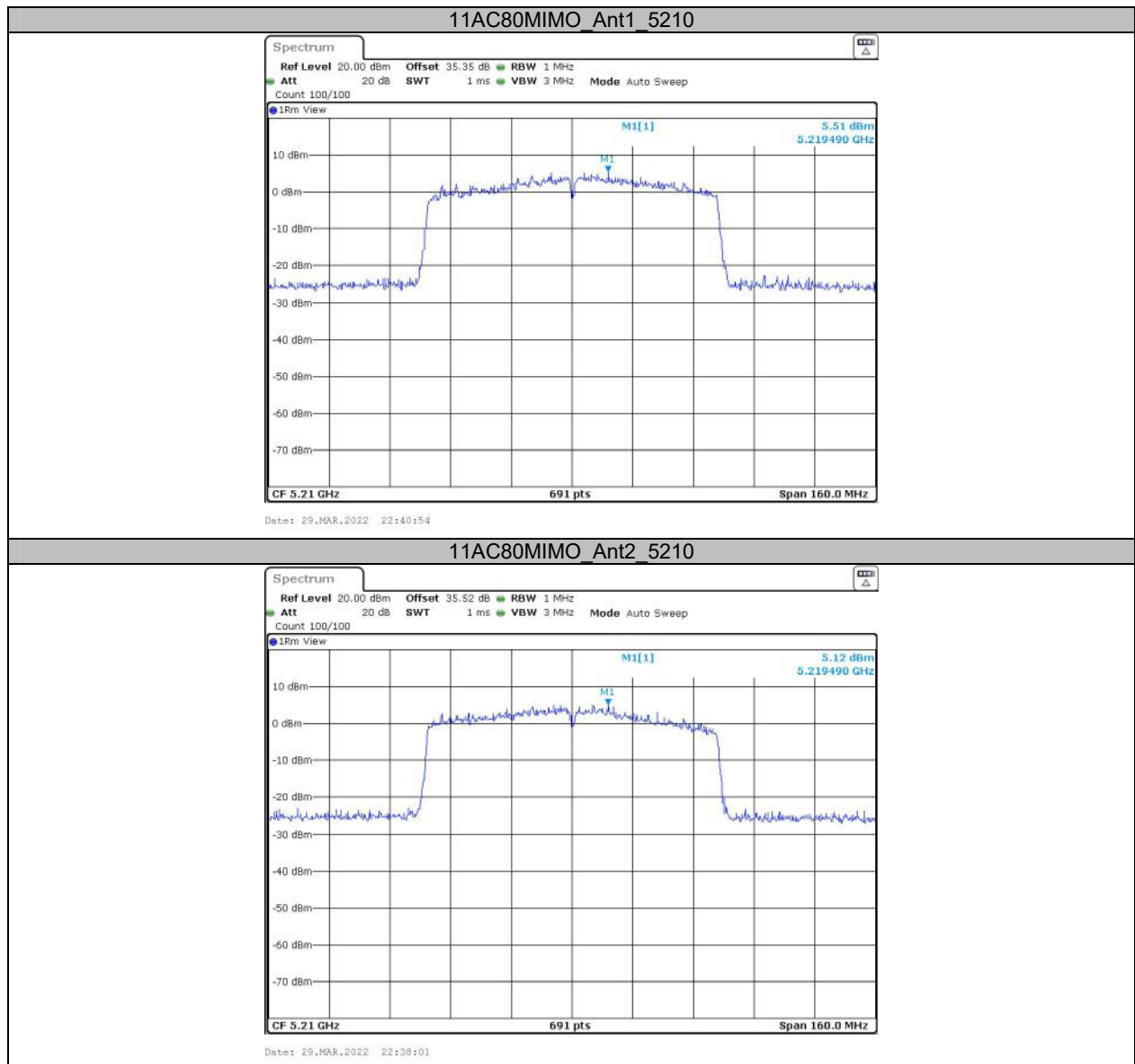


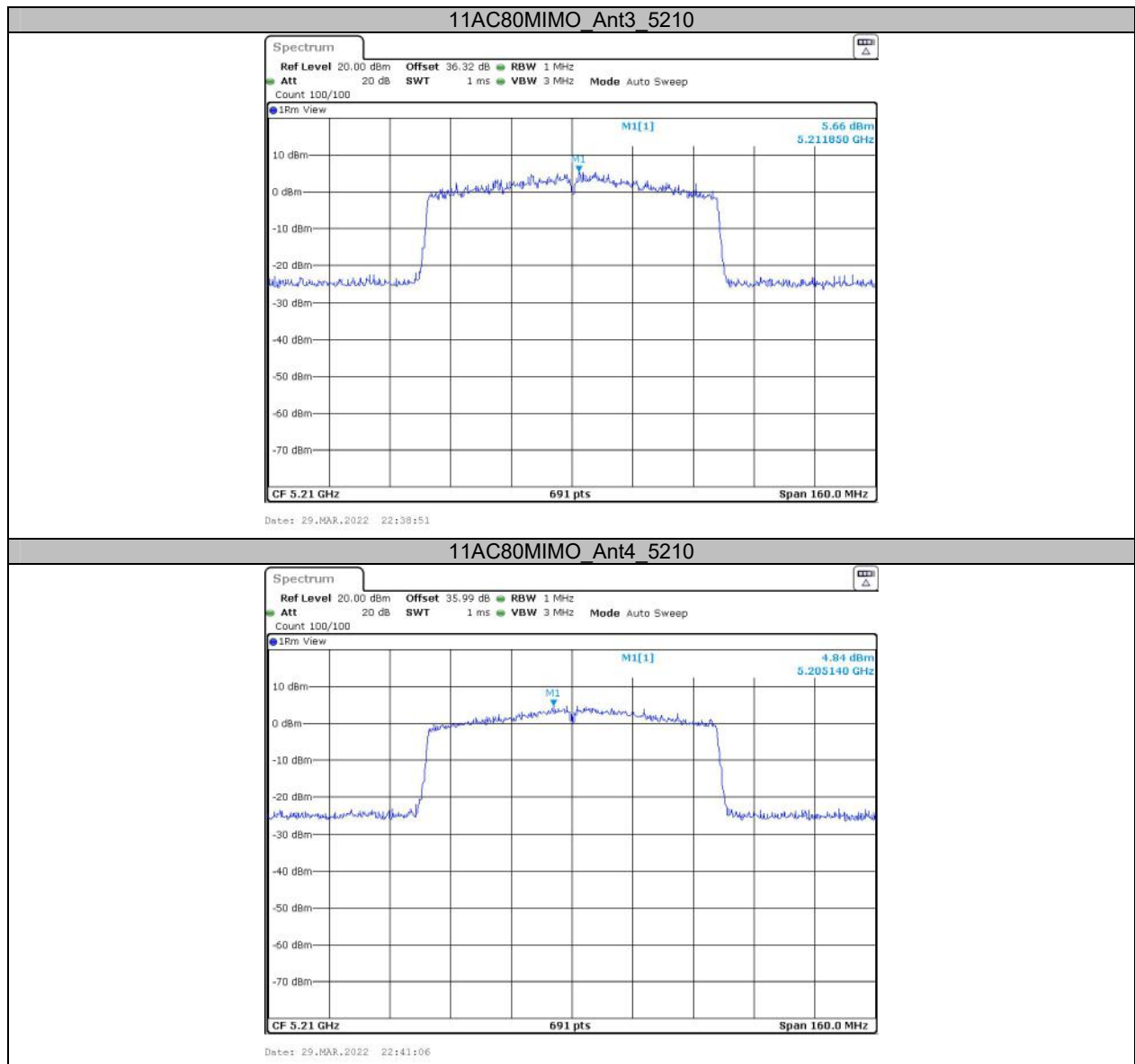
11AC40MIMO_Ant3_5795

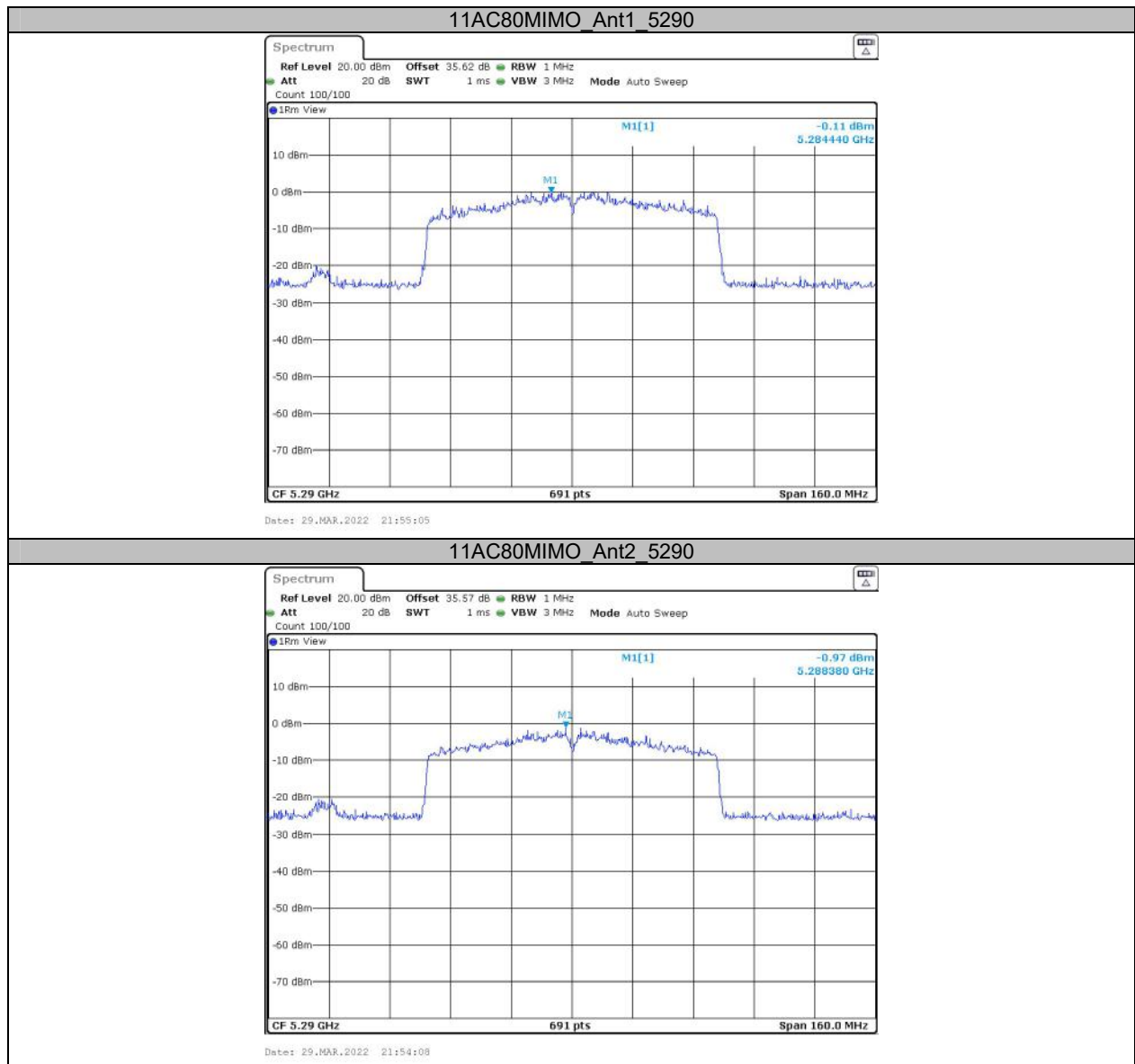


11AC40MIMO_Ant4_5795

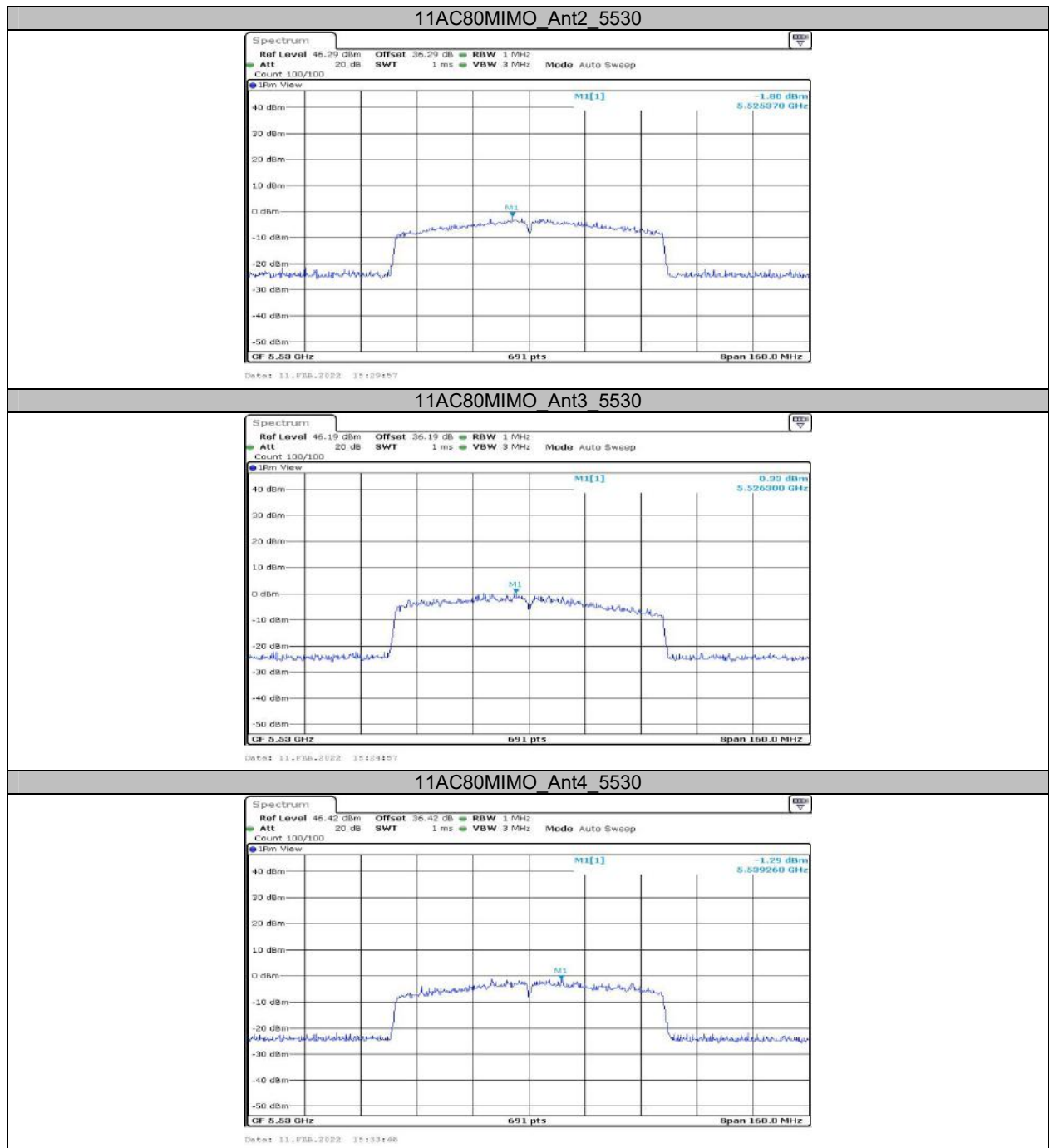


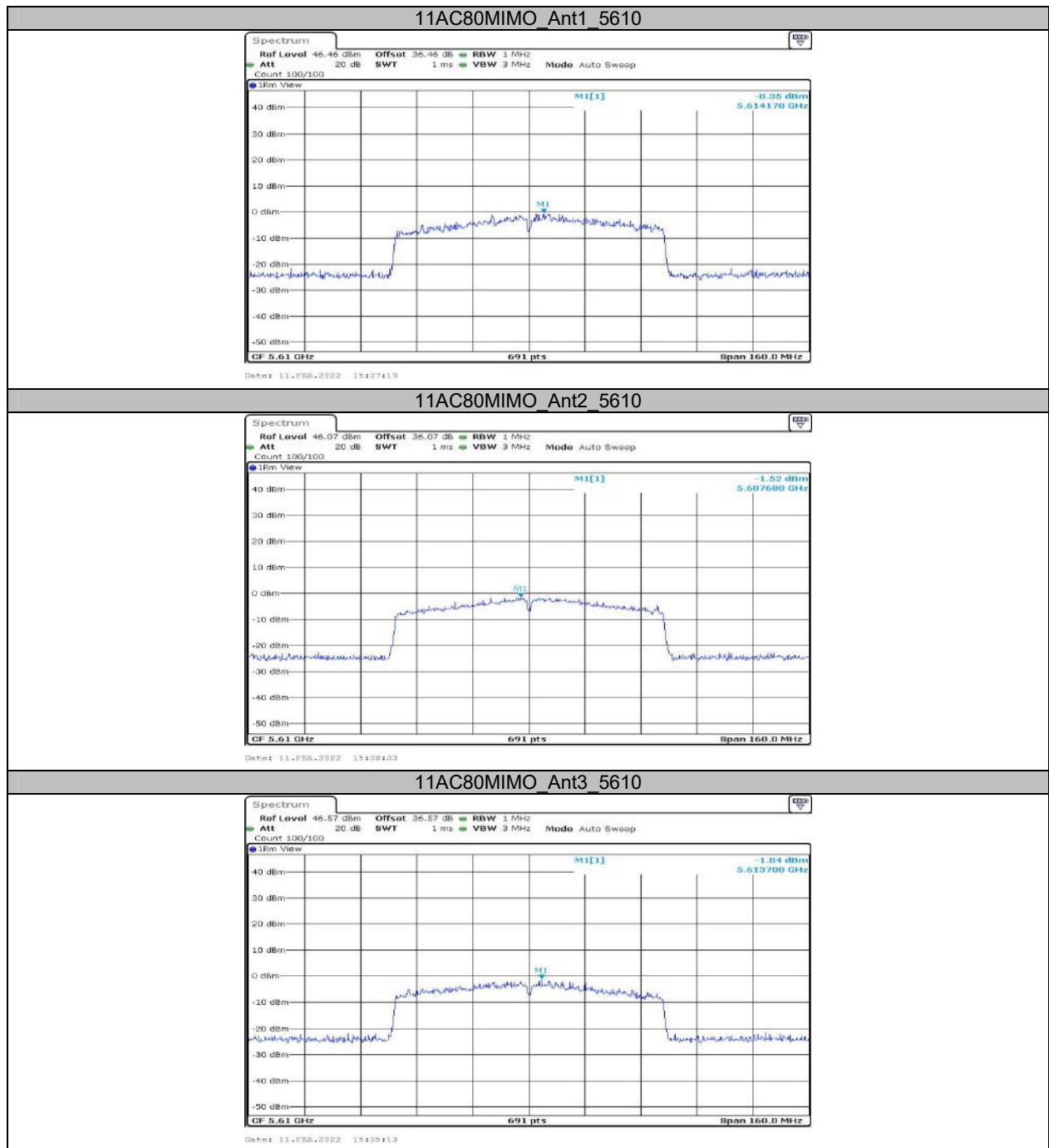


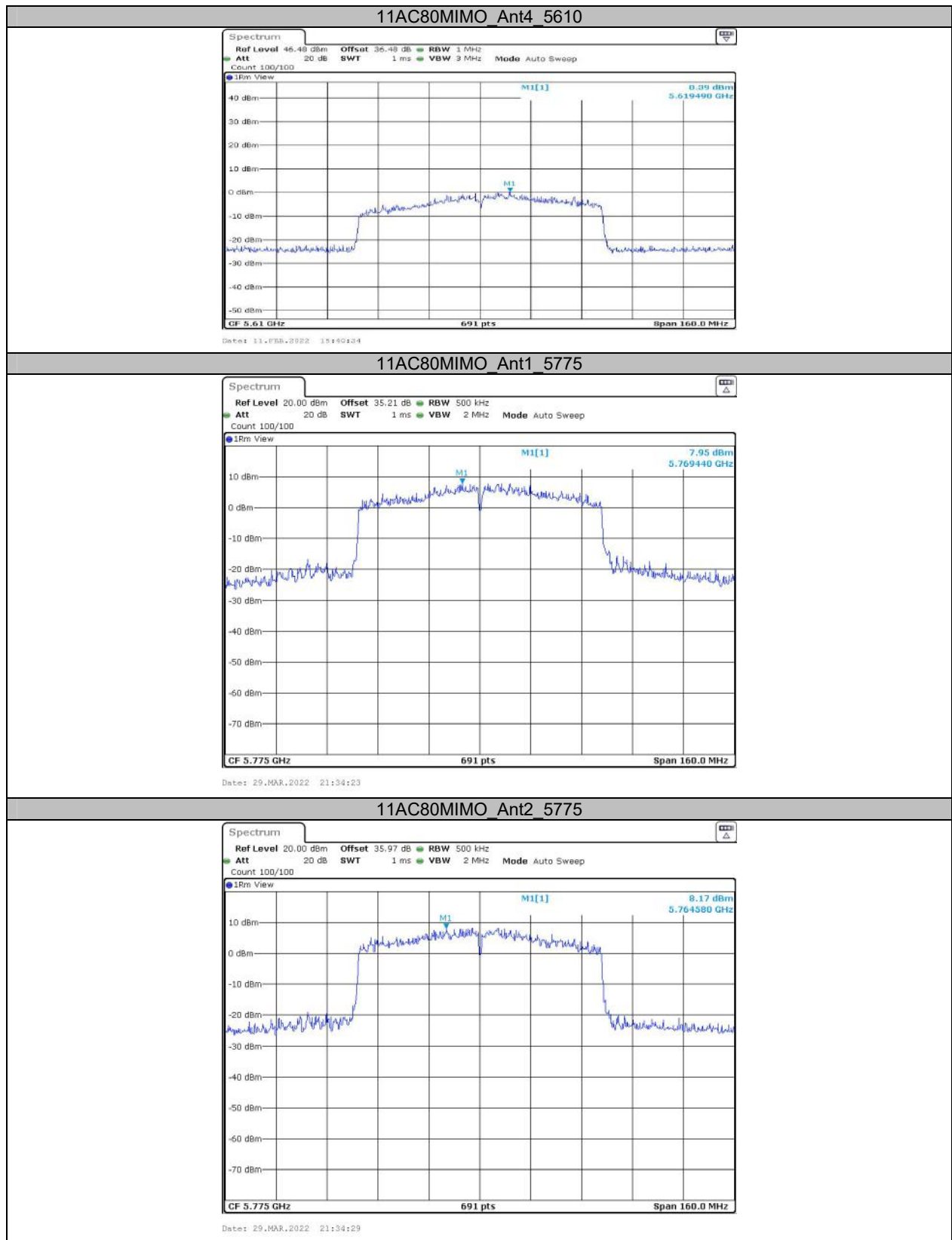


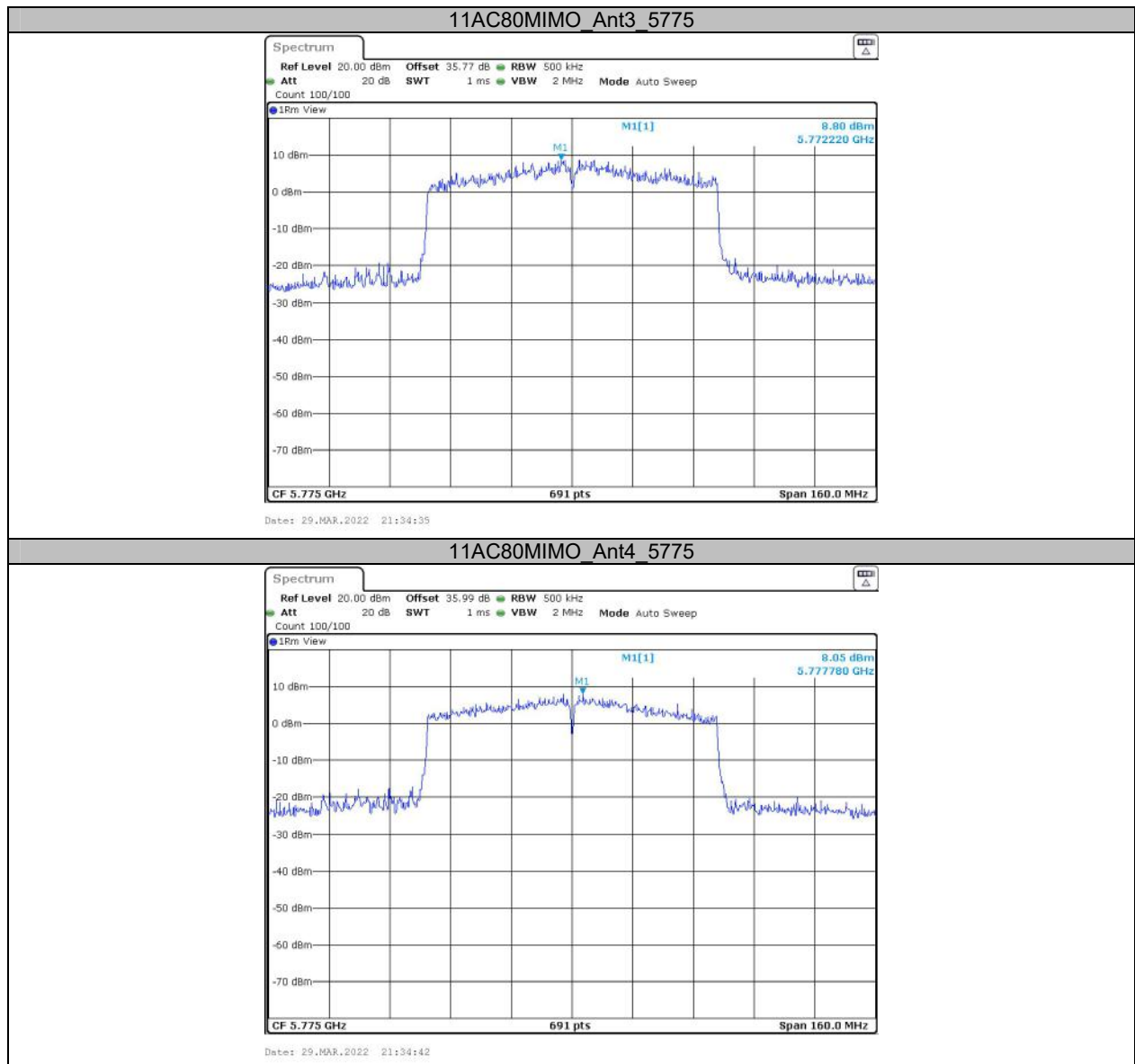








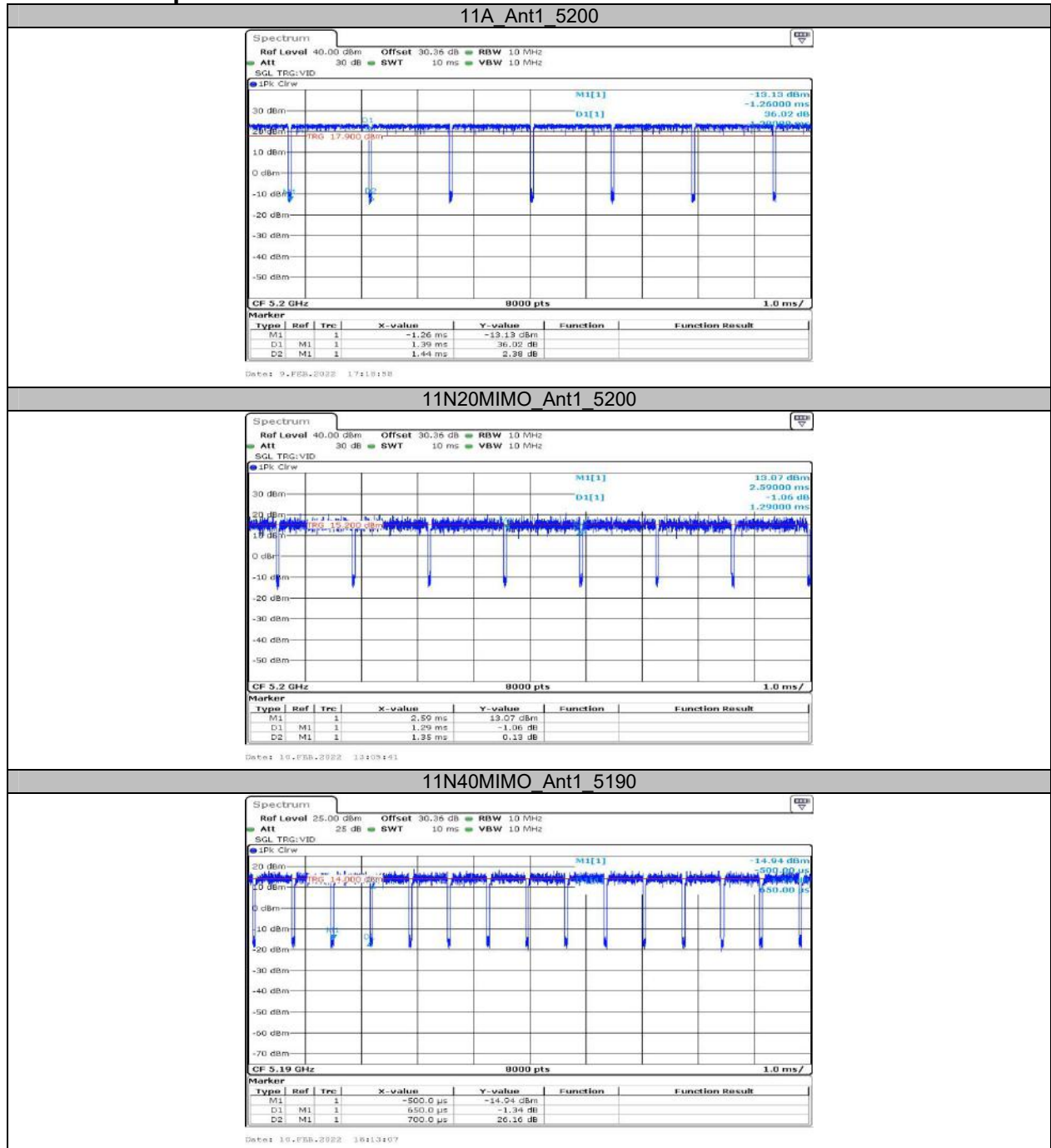


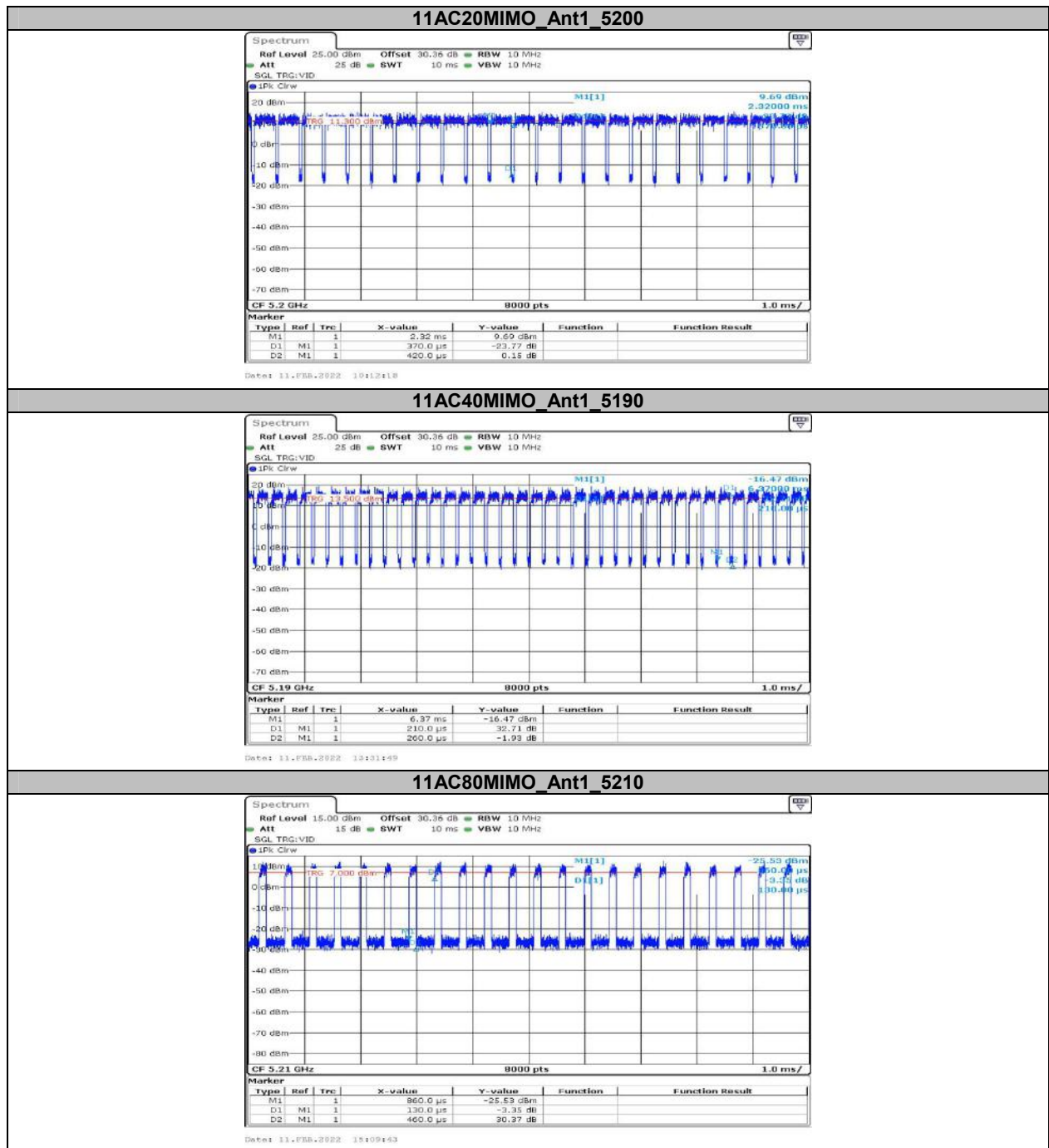


**Appendix D: Duty Cycle
Test Result**

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5200	1.39	1.44	96.53
11N20MIMO	Ant1	5200	1.29	1.35	95.56
11N40MIMO	Ant1	5190	0.65	0.70	92.86
11AC20MIMO	Ant1	5200	0.37	0.42	88.10
11AC40MIMO	Ant1	5190	0.21	0.26	80.77
11AC80MIMO	Ant1	5210	0.13	0.46	28.26

Test Graphs





***** END OF REPORT *****