

	Ant1	5200	-1.71	≤9.82	PASS
	Ant2	5200	-2.2	≤9.82	PASS
	total	5200	1.06	≤9.82	PASS
	Ant1	5240	-1.54	≤9.82	PASS
	Ant2	5240	-1.92	≤9.82	PASS
	total	5240	1.28	≤9.82	PASS
	Ant1	5260	-0.81	≤9.82	PASS
	Ant2	5260	-1.09	≤9.82	PASS
	total	5260	2.06	≤9.82	PASS
	Ant1	5280	-1.53	≤9.82	PASS
	Ant2	5280	-1.5	≤9.82	PASS
	total	5280	1.50	≤9.82	PASS
	Ant1	5320	-1.69	≤9.82	PASS
	Ant2	5320	-1.4	≤9.82	PASS
	total	5320	1.47	≤9.82	PASS
	Ant1	5500	-1.75	≤9.82	PASS
	Ant2	5500	-2.03	≤9.82	PASS
	total	5500	1.12	≤9.82	PASS
	Ant1	5580	-1.52	≤9.82	PASS
	Ant2	5580	-3.12	≤9.82	PASS
	total	5580	0.76	≤9.82	PASS
	Ant1	5700	-2.46	≤9.82	PASS
	Ant2	5700	-3.29	≤9.82	PASS
	total	5700	0.16	≤9.82	PASS
	Ant1	5745	-2.79	≤28.82	PASS
	Ant2	5745	-2.18	≤28.82	PASS
	total	5745	0.54	≤28.82	PASS
	Ant1	5785	-2.73	≤28.82	PASS
	Ant2	5785	-2.02	≤28.82	PASS
	total	5785	0.65	≤28.82	PASS
	Ant1	5825	-2.16	≤28.82	PASS
	Ant2	5825	-1.9	≤28.82	PASS
	total	5825	0.98	≤28.82	PASS
11AX40MIMO	Ant1	5190	-6.41	≤9.82	PASS
	Ant2	5190	-6.94	≤9.82	PASS
	total	5190	-3.66	≤9.82	PASS
	Ant1	5230	-5.89	≤9.82	PASS
	Ant2	5230	-6.38	≤9.82	PASS
	total	5230	-3.12	≤9.82	PASS
	Ant1	5270	-6.11	≤9.82	PASS
	Ant2	5270	-6.3	≤9.82	PASS
	total	5270	-3.19	≤9.82	PASS
	Ant1	5310	-6.32	≤9.82	PASS
	Ant2	5310	-5.94	≤9.82	PASS
	total	5310	-3.12	≤9.82	PASS
	Ant1	5510	-5.85	≤9.82	PASS
	Ant2	5510	-6.17	≤9.82	PASS
	total	5510	-3.00	≤9.82	PASS
	Ant1	5550	-5.47	≤9.82	PASS
	Ant2	5550	-6.46	≤9.82	PASS
	total	5550	-2.93	≤9.82	PASS
	Ant1	5670	-5.52	≤9.82	PASS
	Ant2	5670	-6.32	≤9.82	PASS
	total	5670	-2.89	≤9.82	PASS
	Ant1	5755	-8.45	≤28.82	PASS
	Ant2	5755	-7.25	≤28.82	PASS
	total	5755	-4.80	≤28.82	PASS
	Ant1	5795	-8.49	≤28.82	PASS

11AX80MIMO	Ant2	5795	-7.32	≤28.82	PASS
	total	5795	-4.86	≤28.82	PASS
	Ant1	5210	-8.7	≤9.82	PASS
	Ant2	5210	-9.19	≤9.82	PASS
	total	5210	-5.93	≤9.82	PASS
	Ant1	5290	-9.1	≤9.82	PASS
	Ant2	5290	-8.56	≤9.82	PASS
	total	5290	-5.81	≤9.82	PASS
	Ant1	5530	-8.41	≤9.82	PASS
	Ant2	5530	-8.73	≤9.82	PASS
	total	5530	-5.56	≤9.82	PASS
	Ant1	5610	-8.52	≤9.82	PASS
	Ant2	5610	-9.57	≤9.82	PASS
	total	5610	-6.00	≤9.82	PASS
	Ant1	5775	-10.43	≤28.82	PASS
	Ant2	5775	-9.26	≤28.82	PASS
	total	5775	-6.80	≤28.82	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/ax mode, EUT support CDD

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

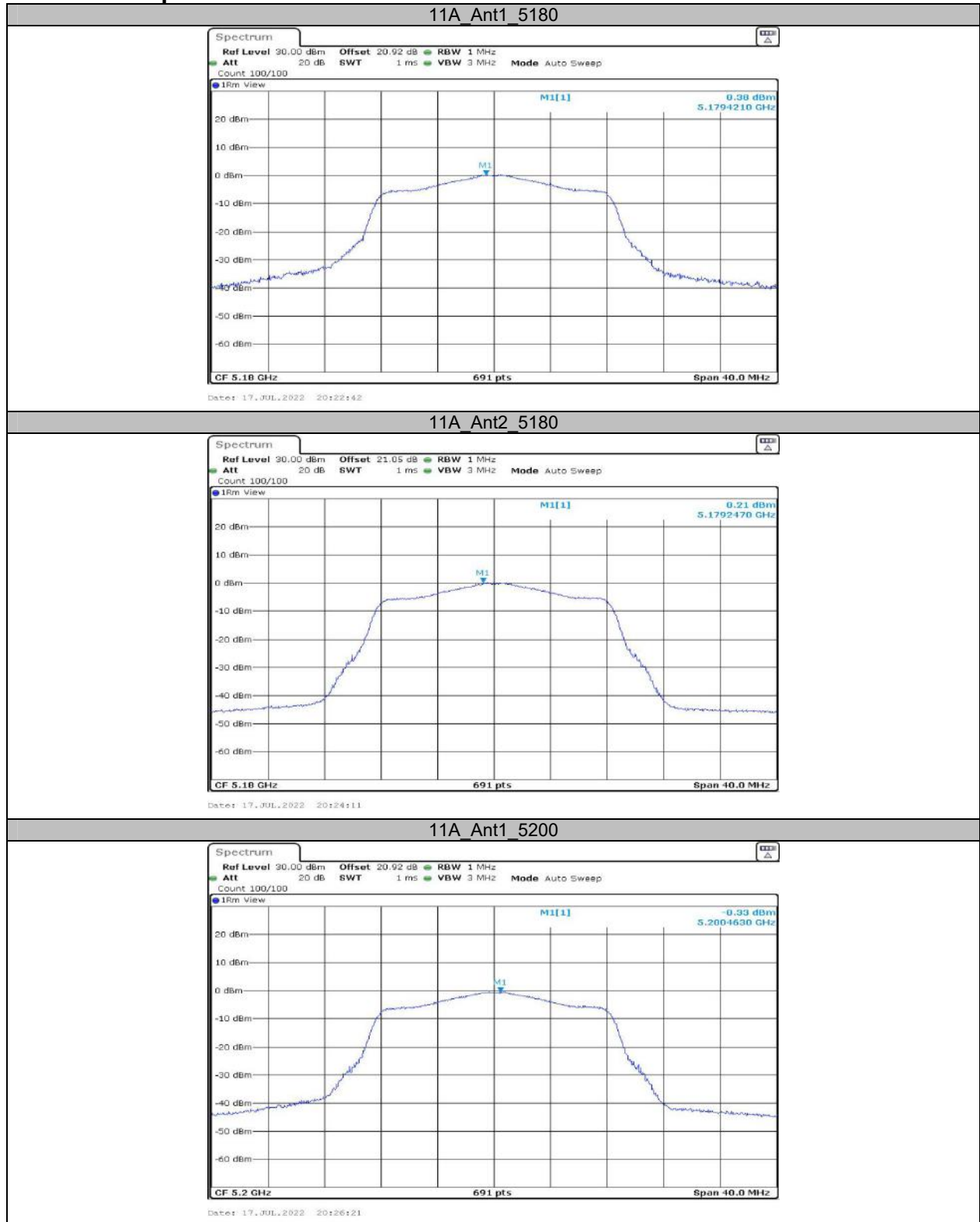
$Array\ Gain = 10 * \log N_{ANT}$

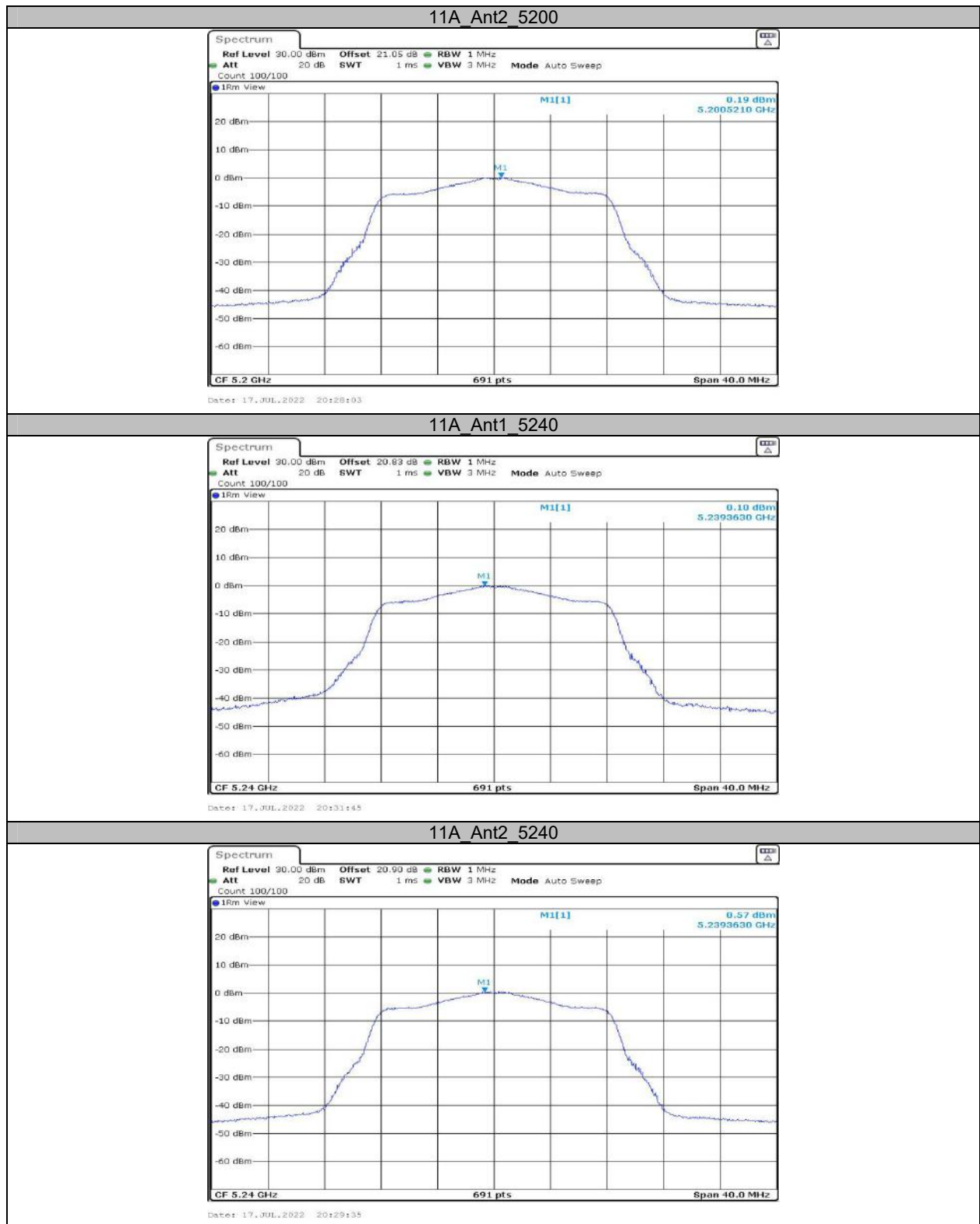
The maximum antenna gain among the antennas is 4.18dBi

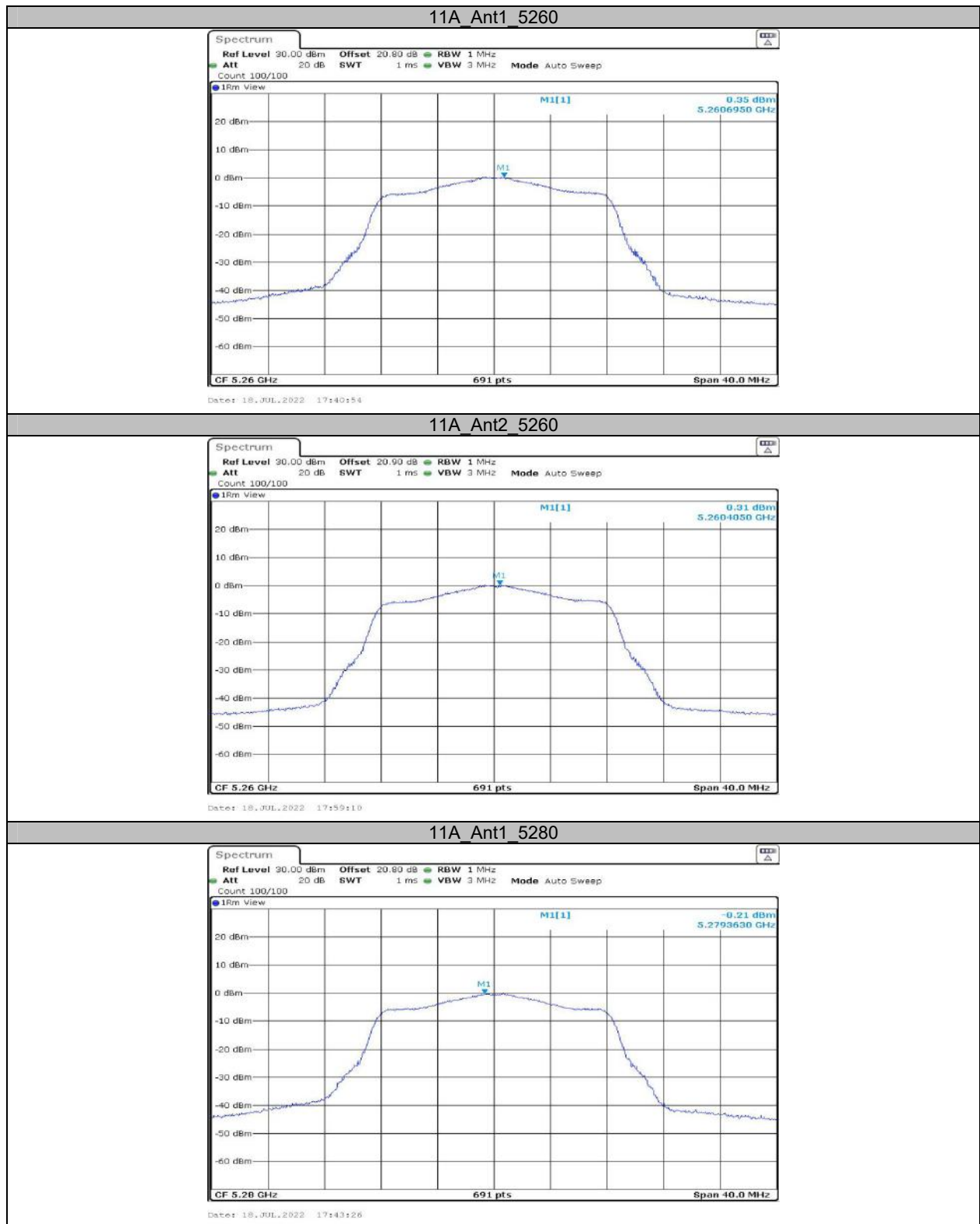
Use the maximum antenna gain to calculate the worst case, so Directional Gain=7.18dBi>6dBi

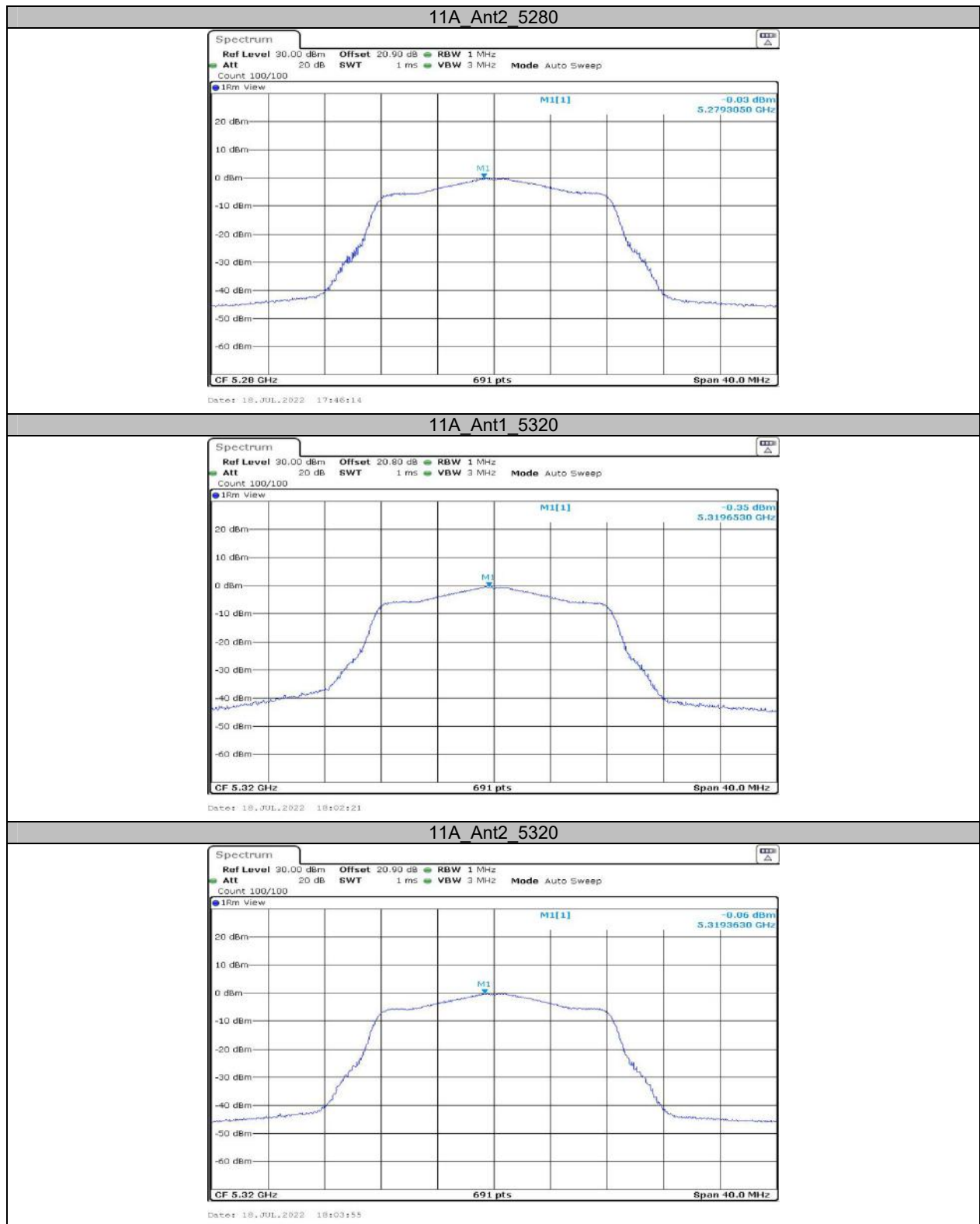
So the limit should reduce 1.18dB

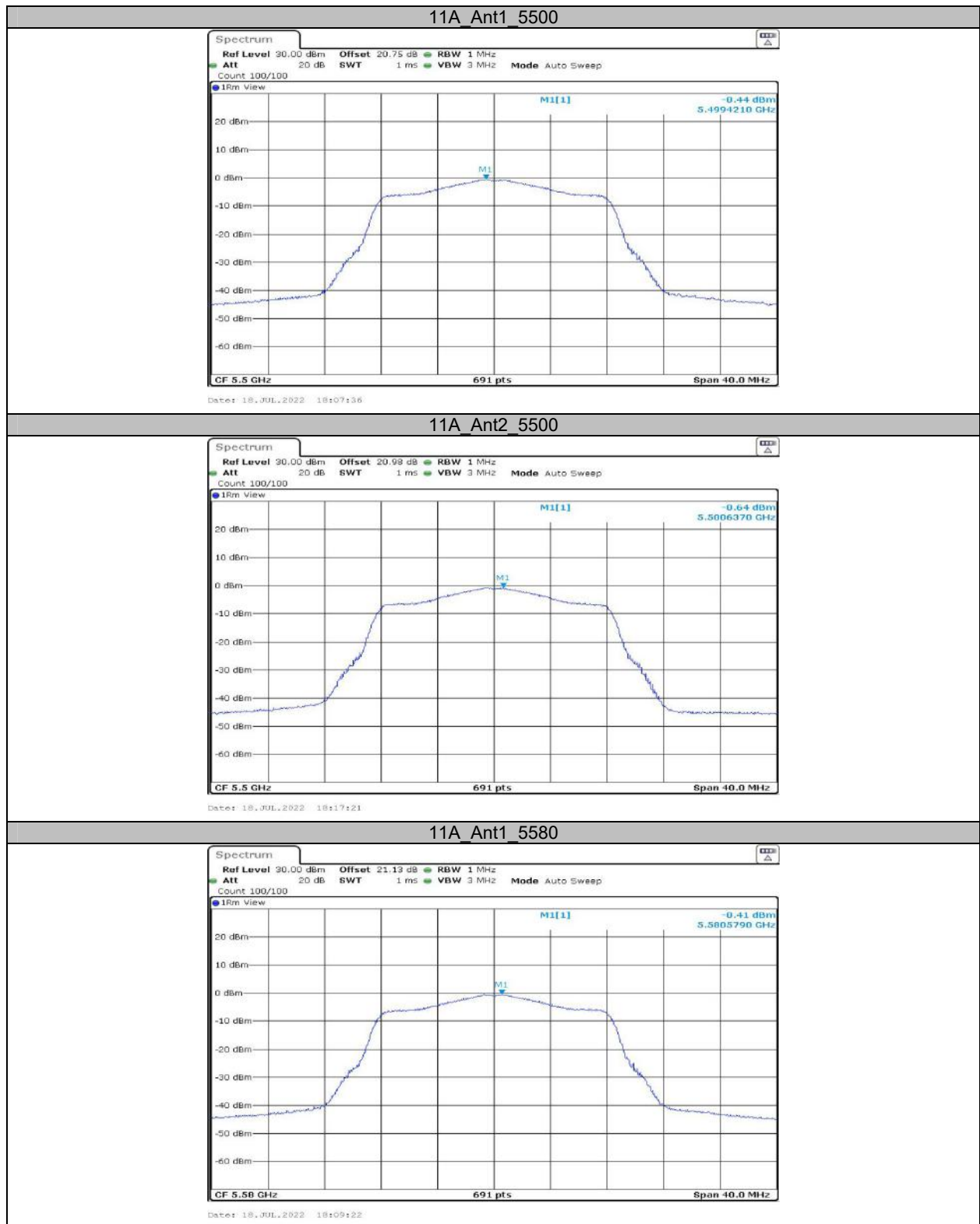
Test Graphs

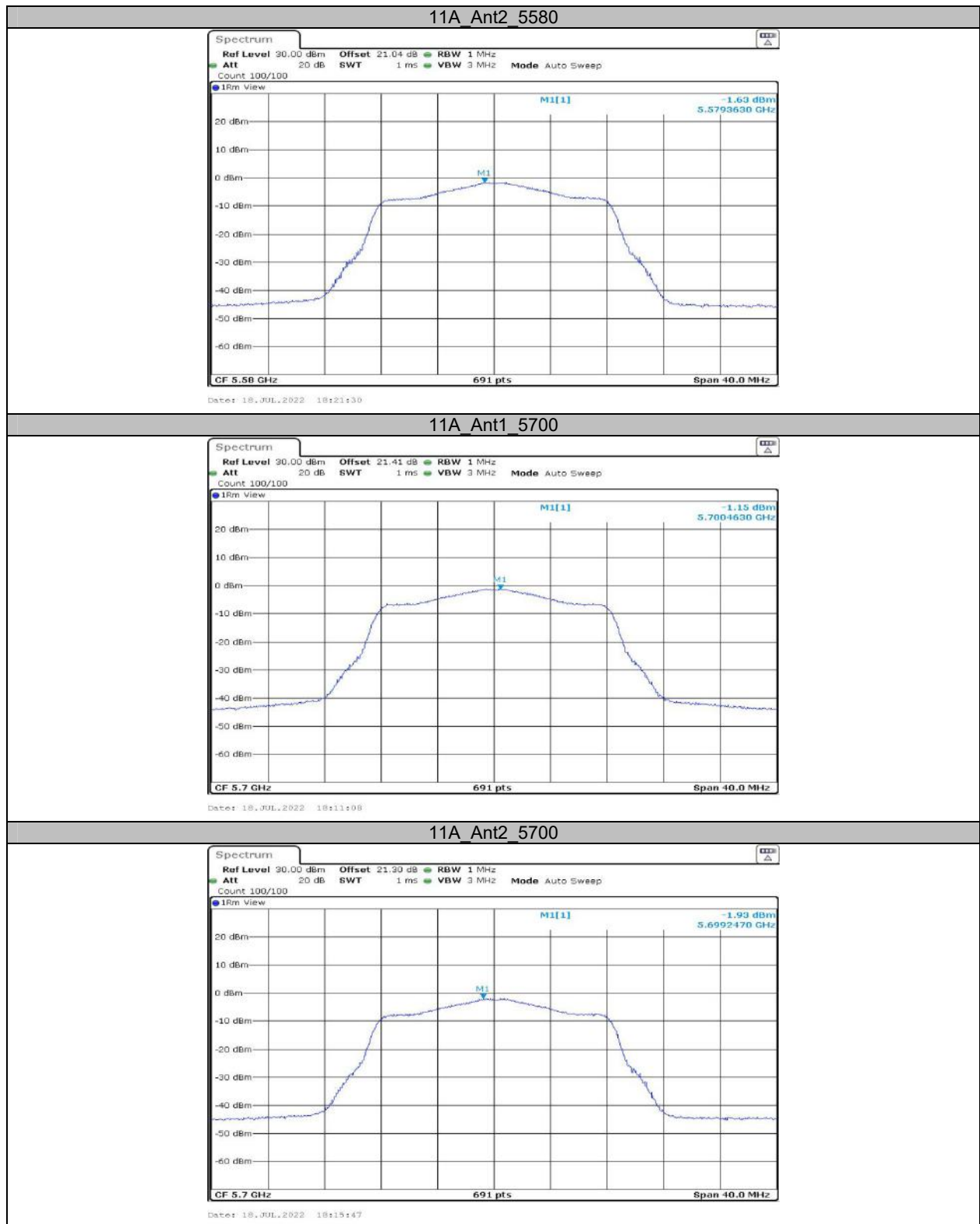


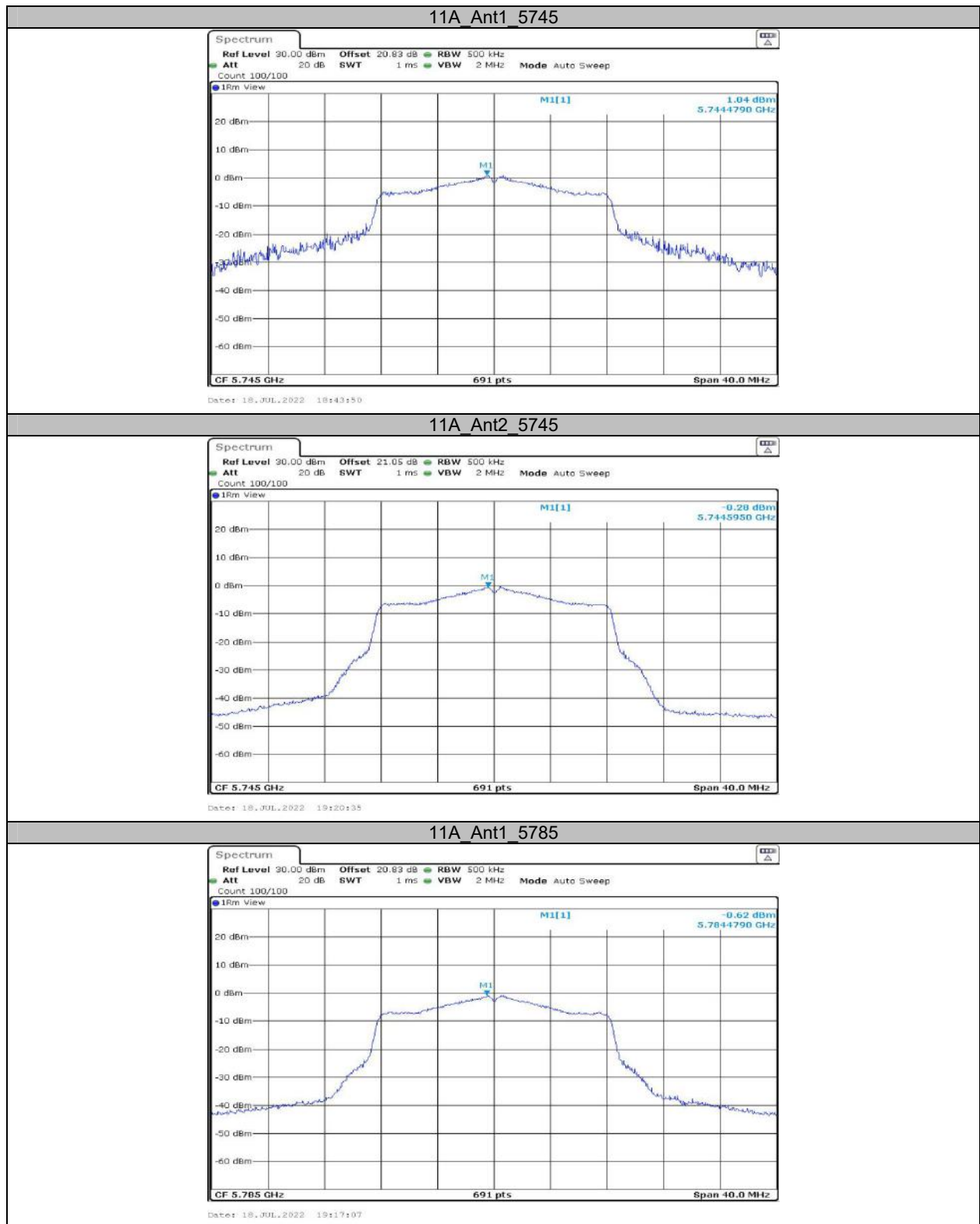


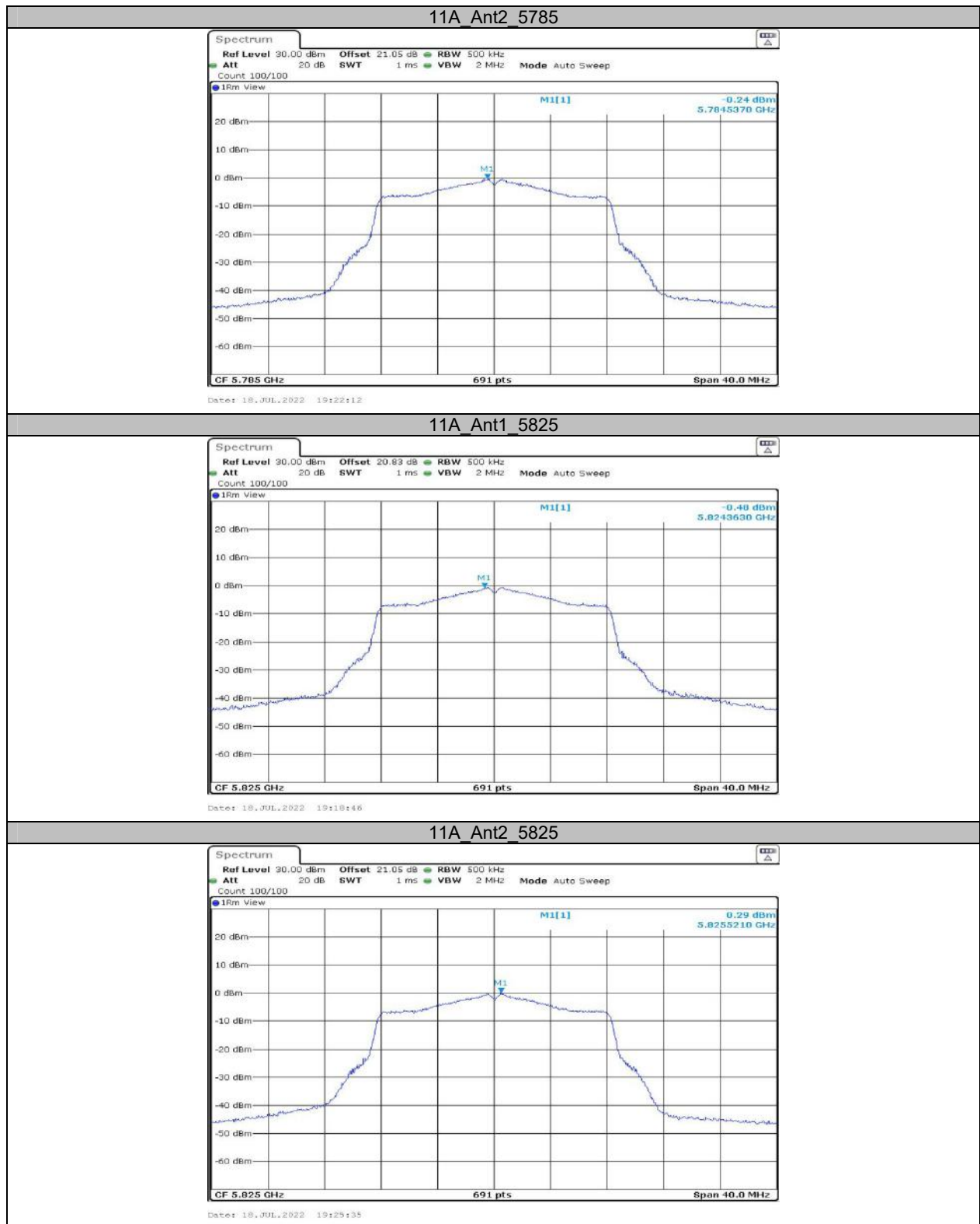


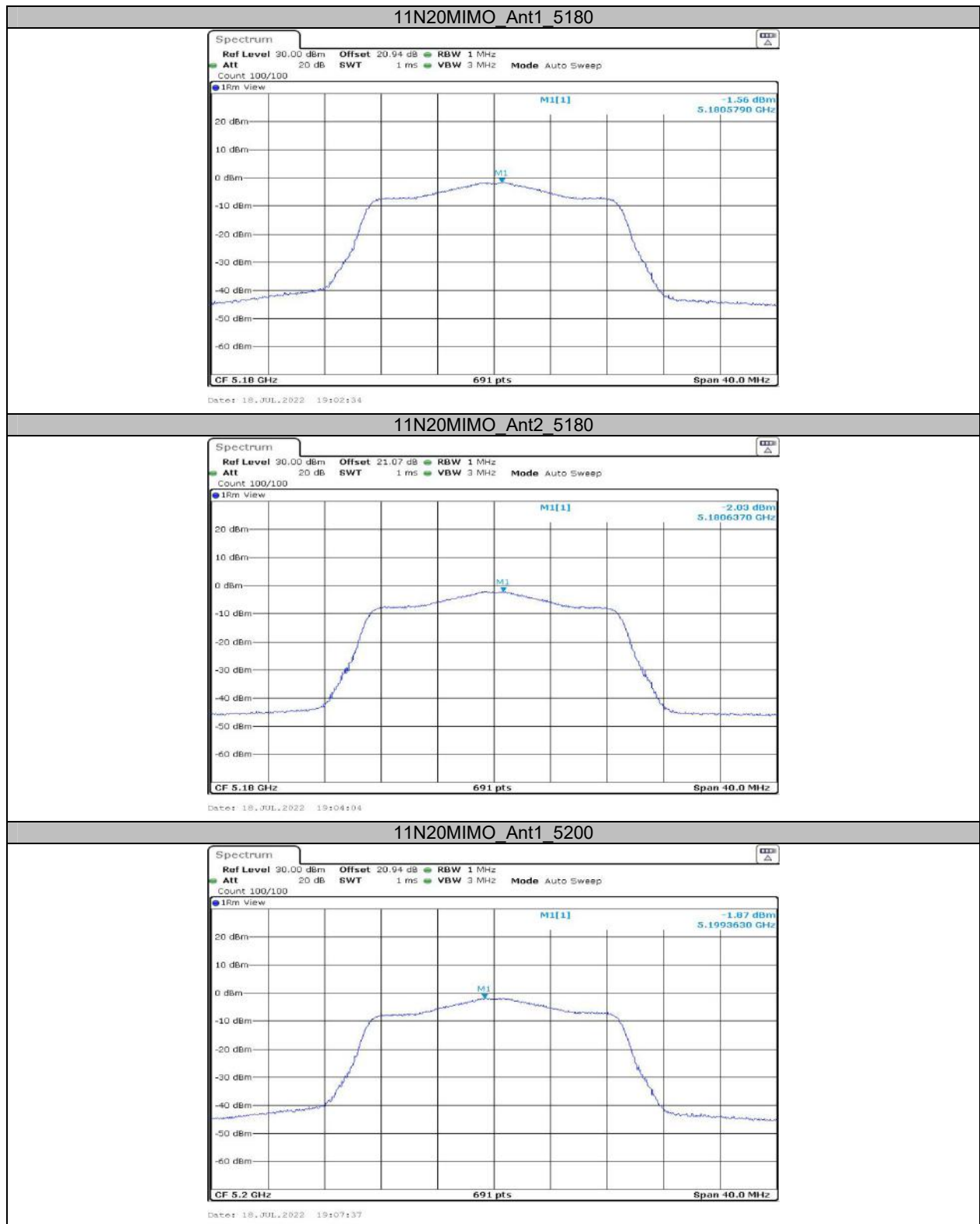


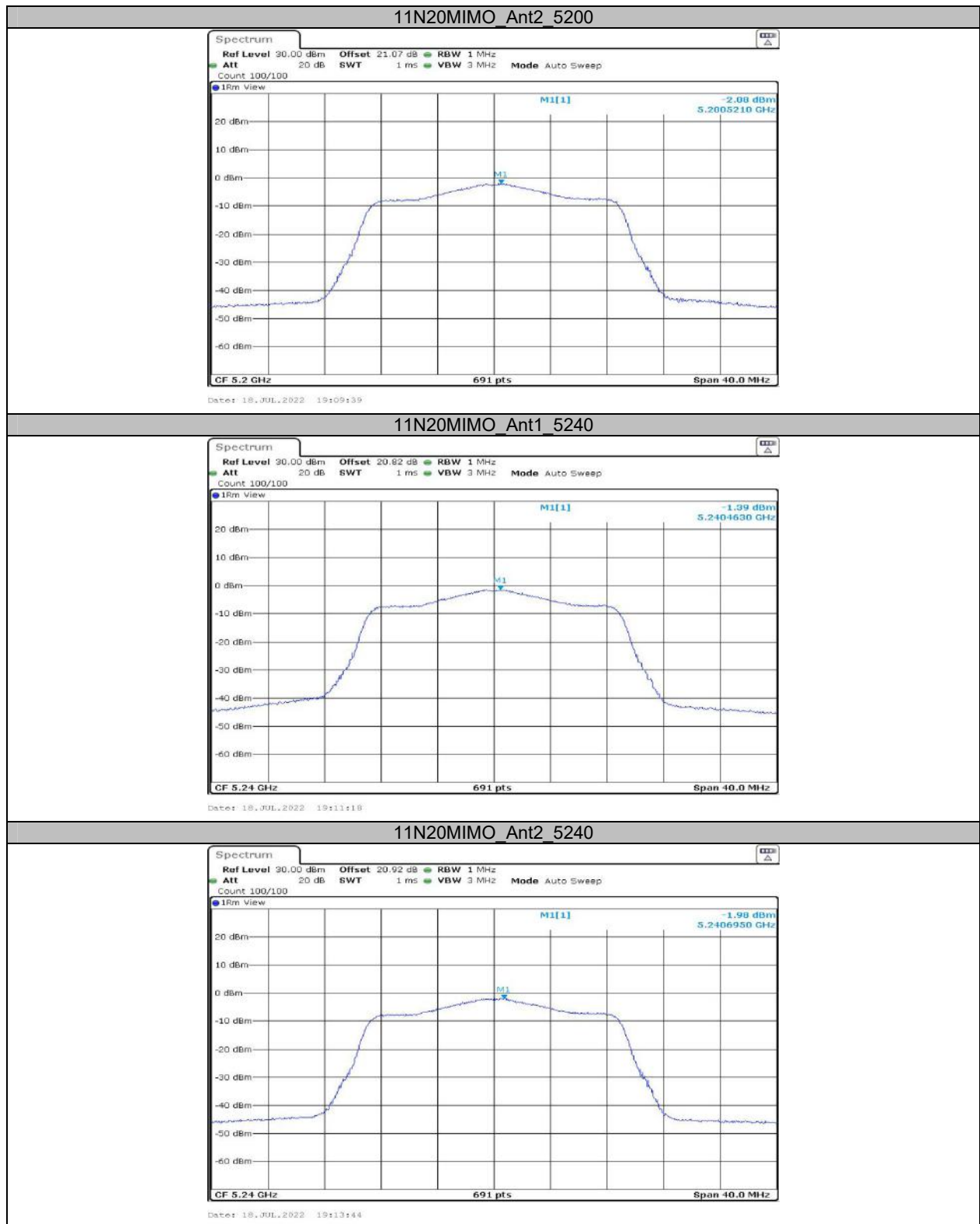


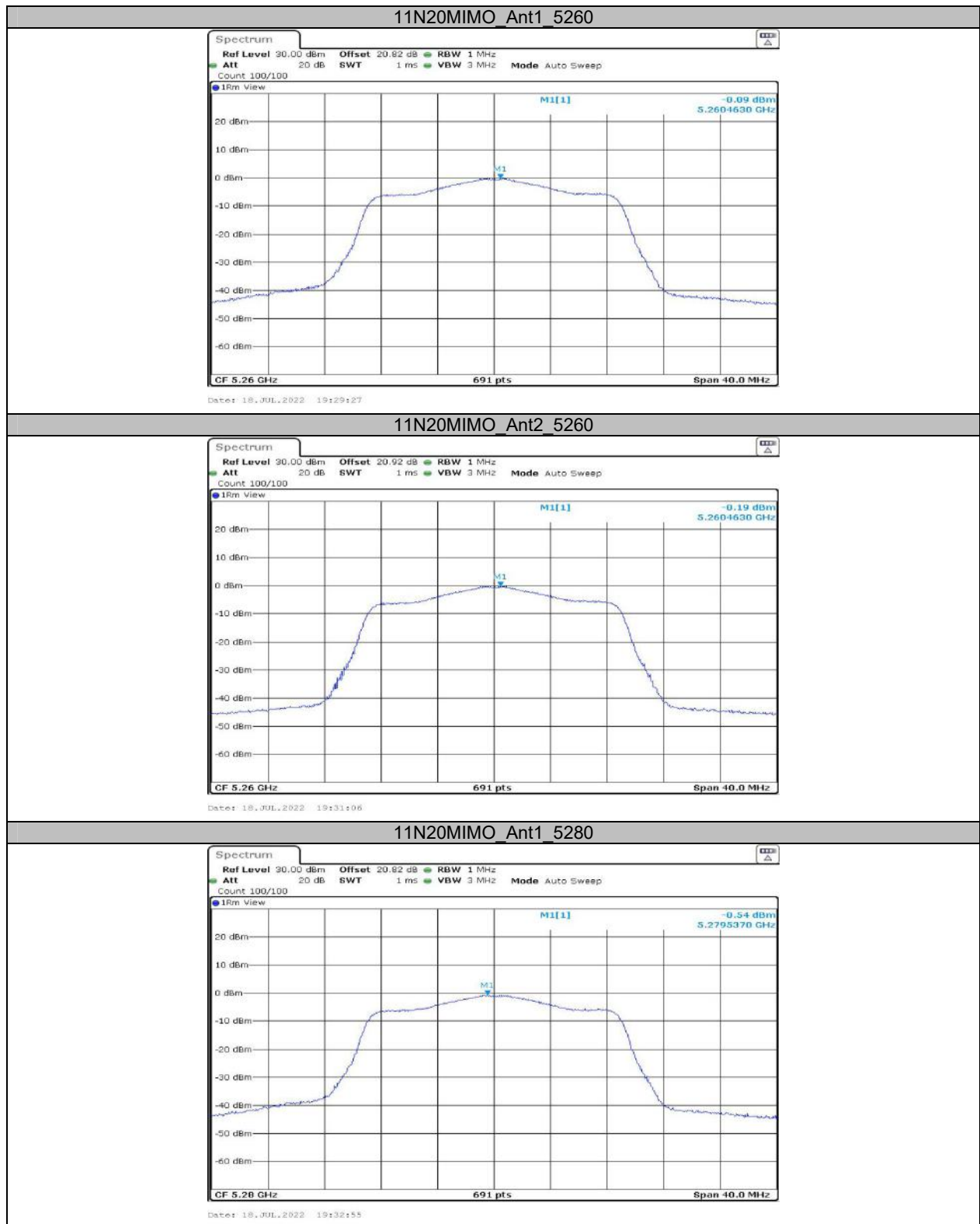


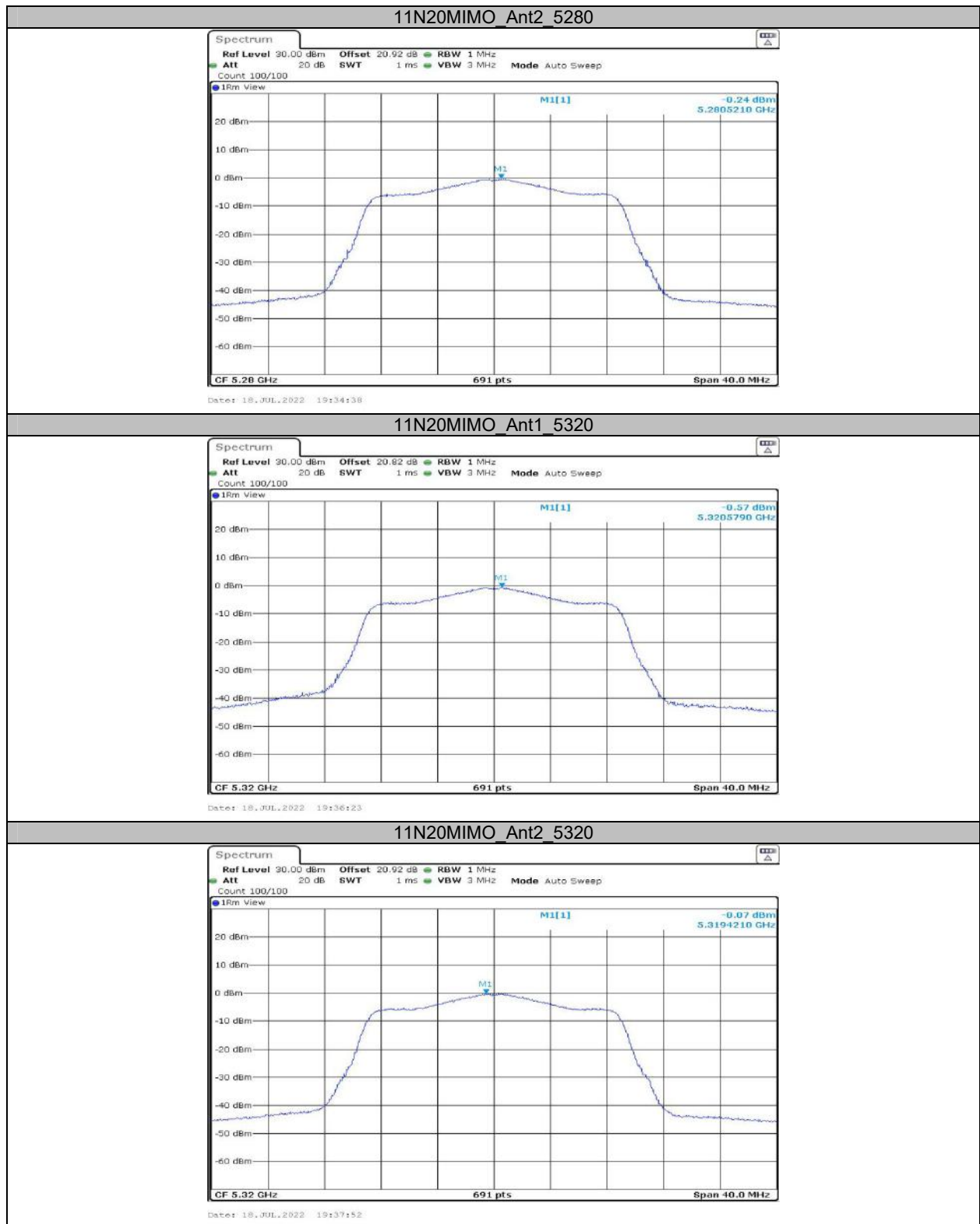


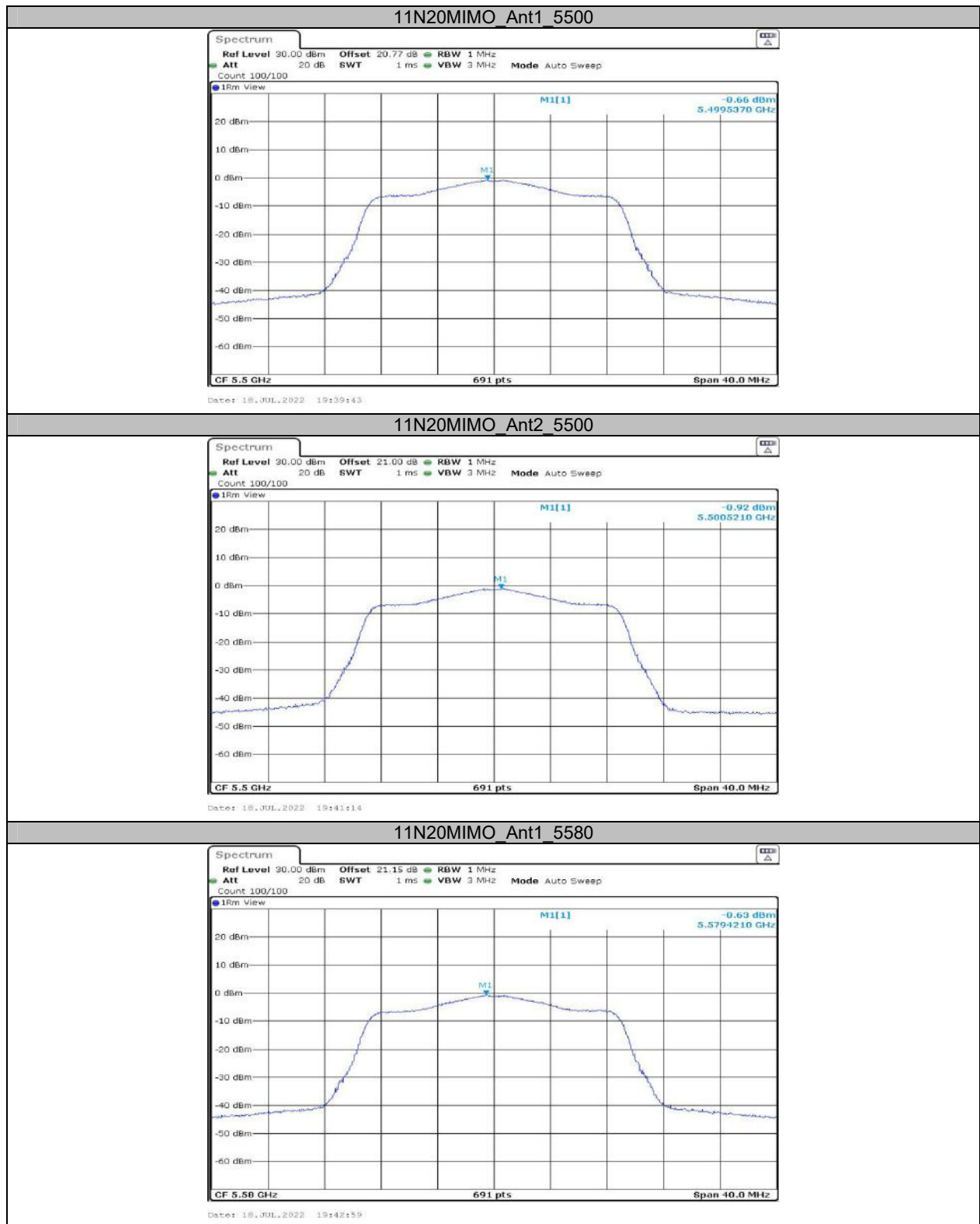


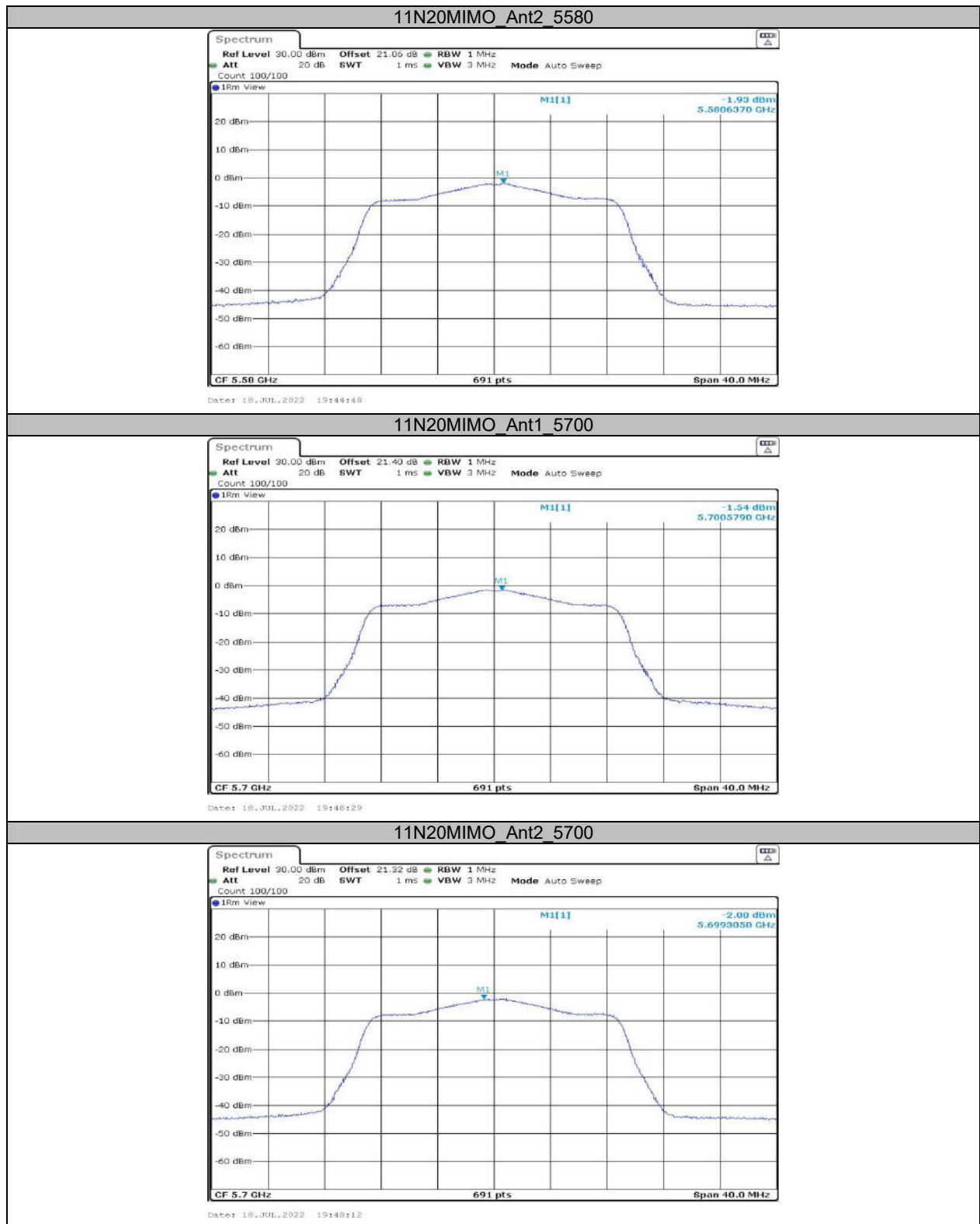


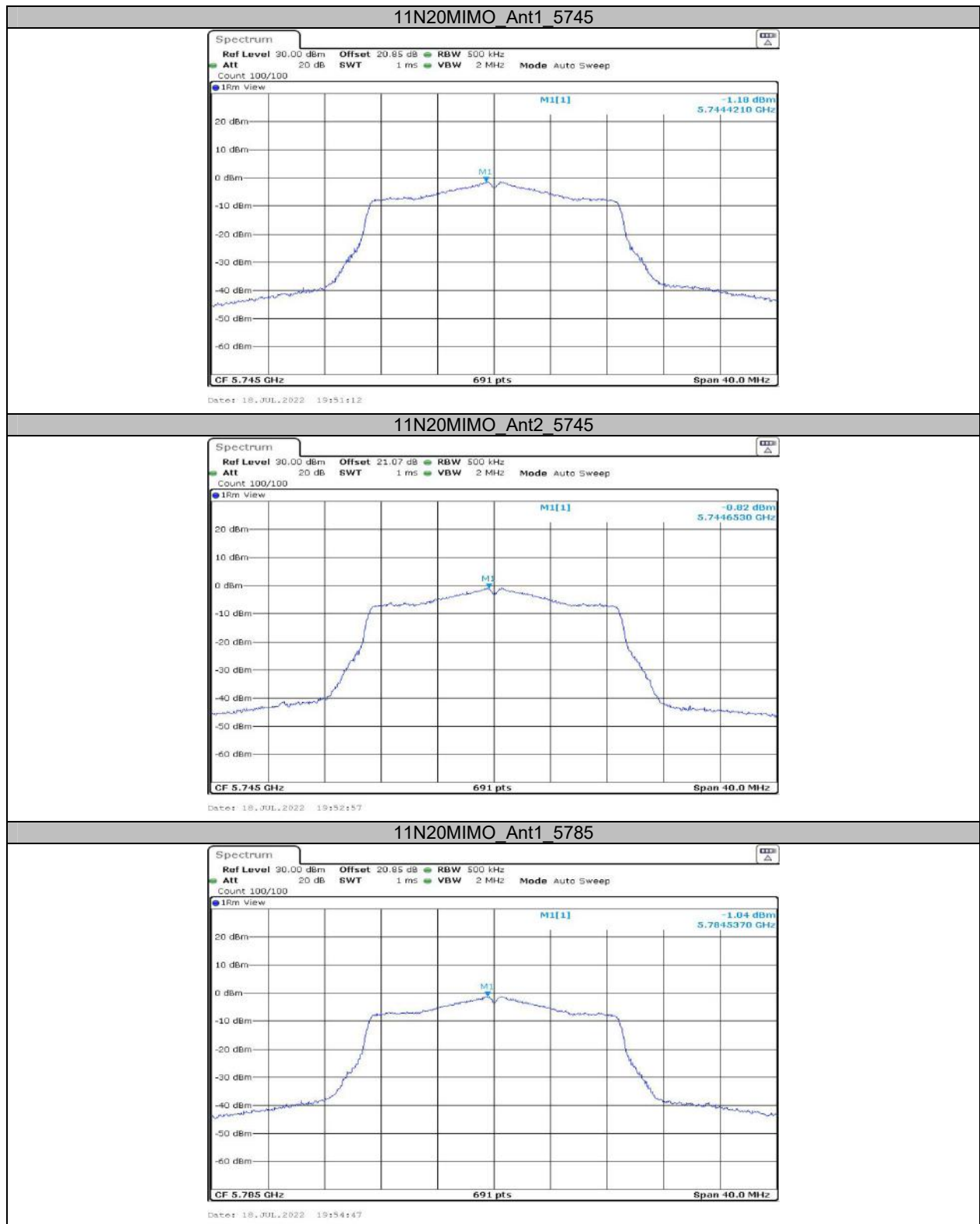


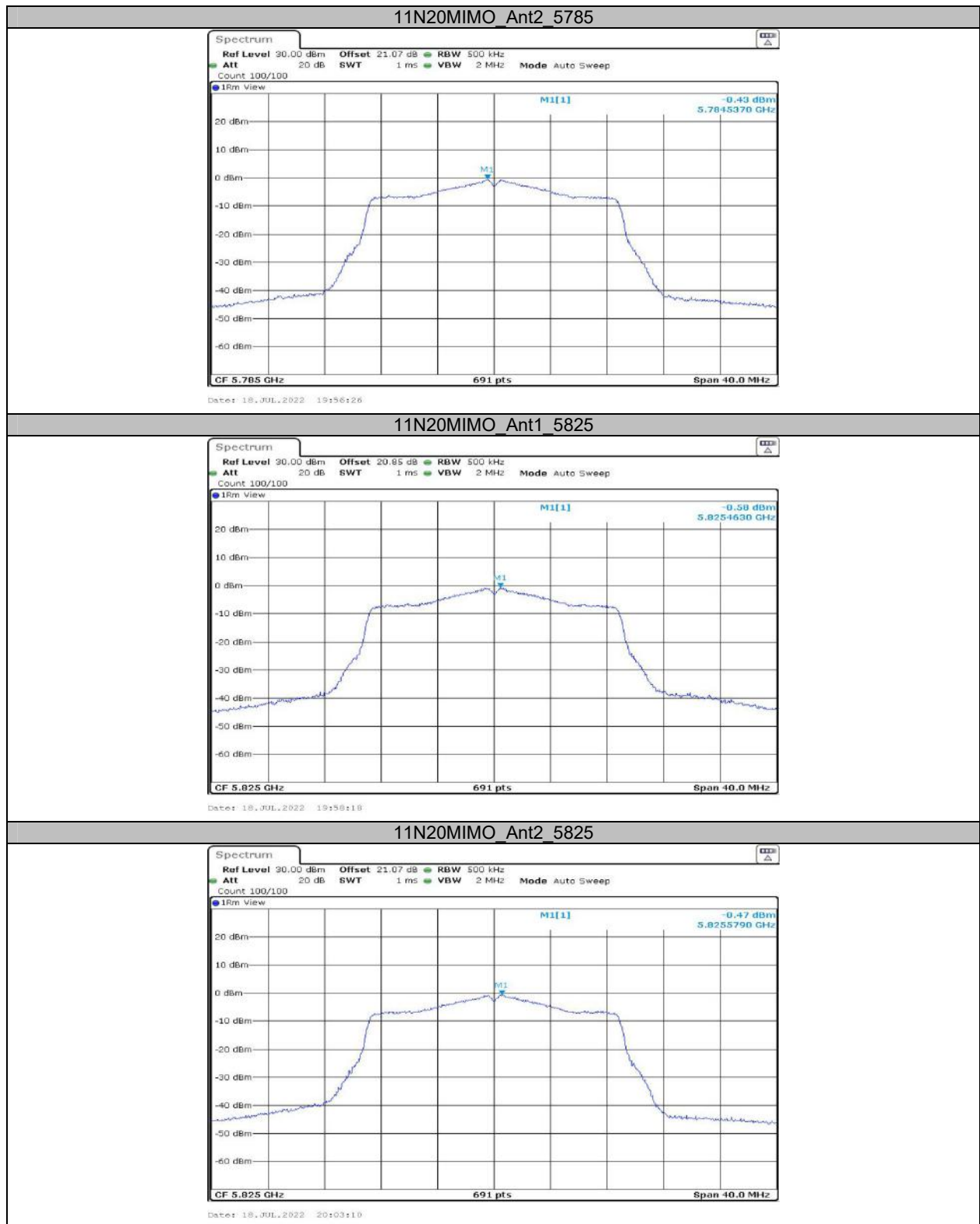


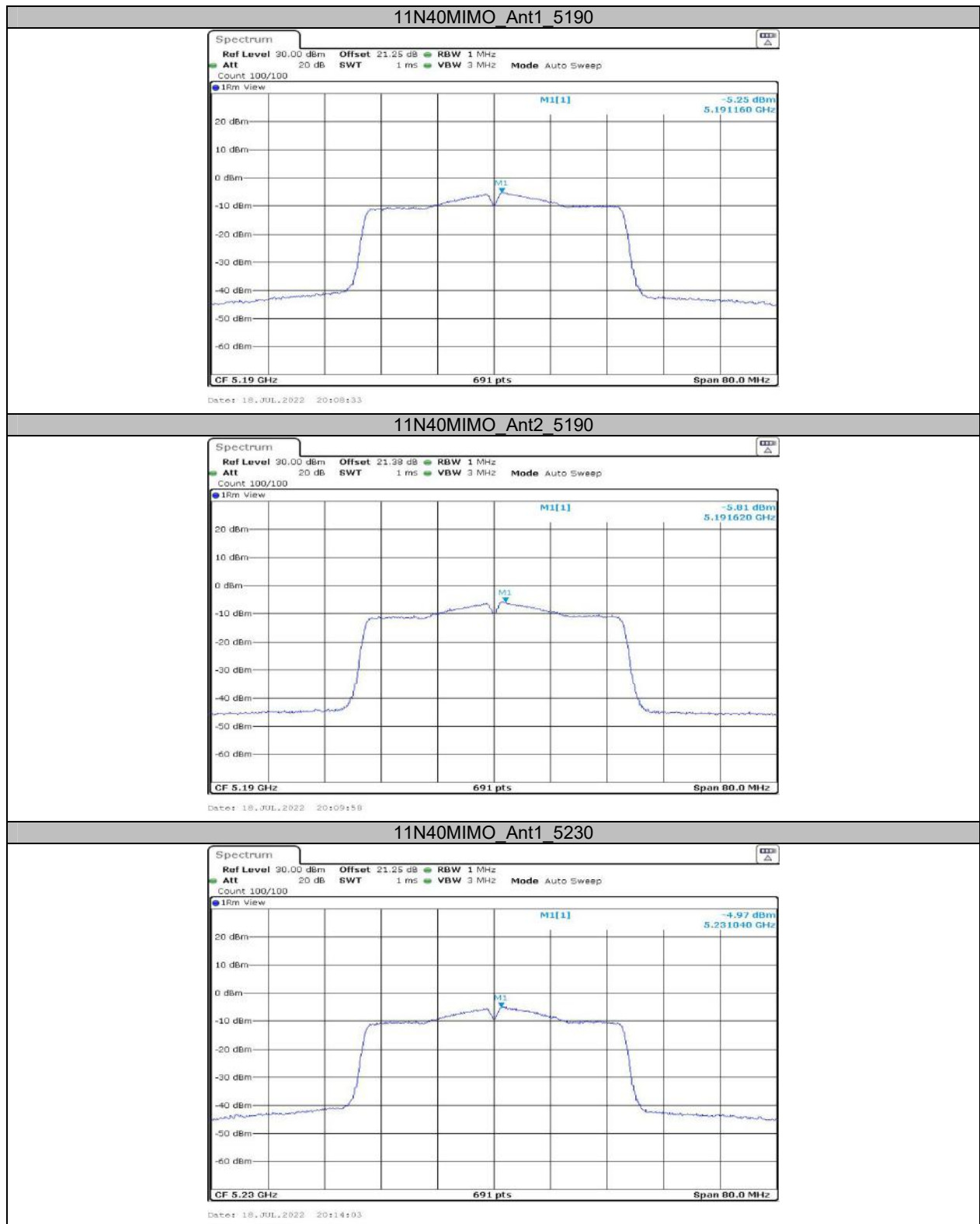


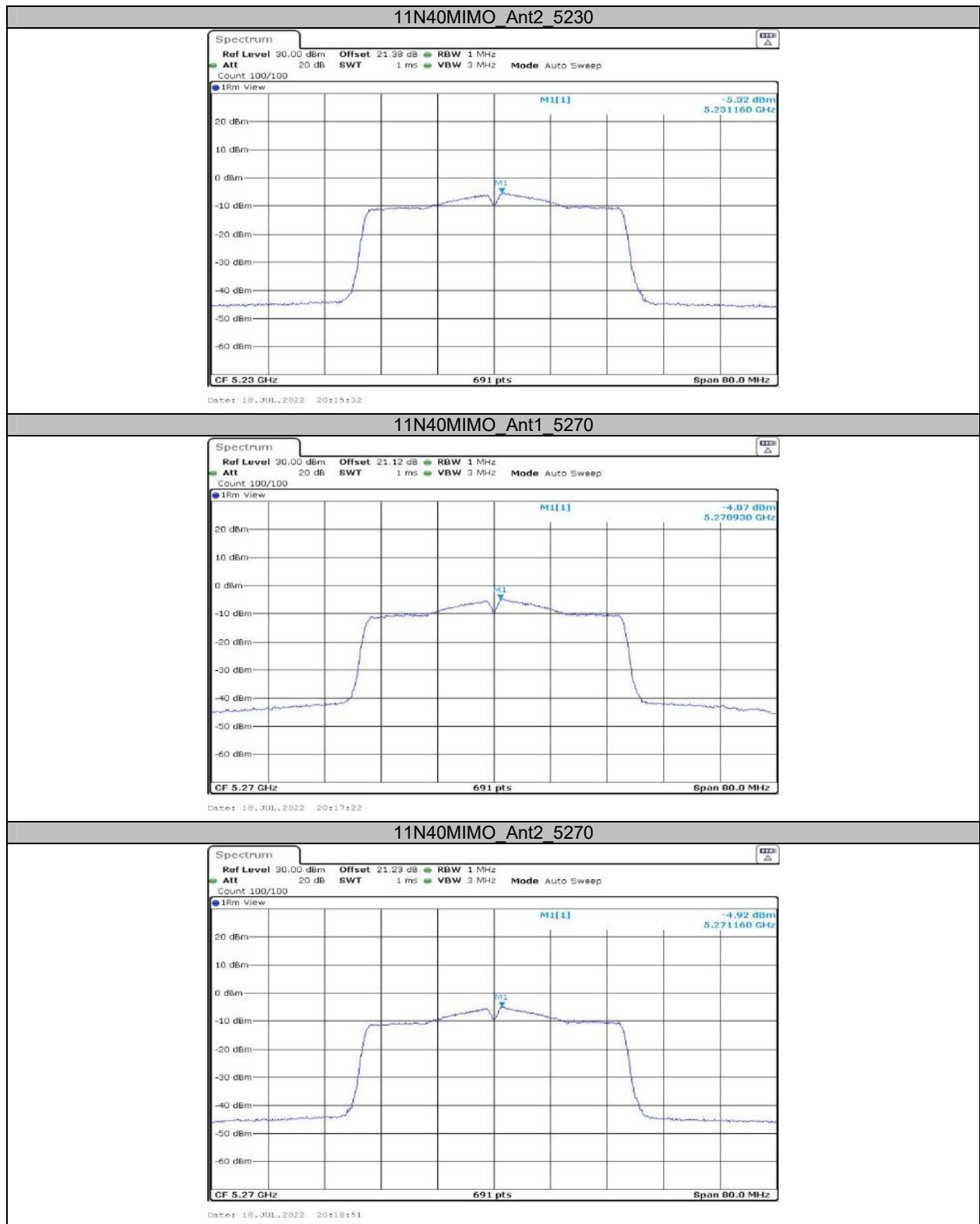


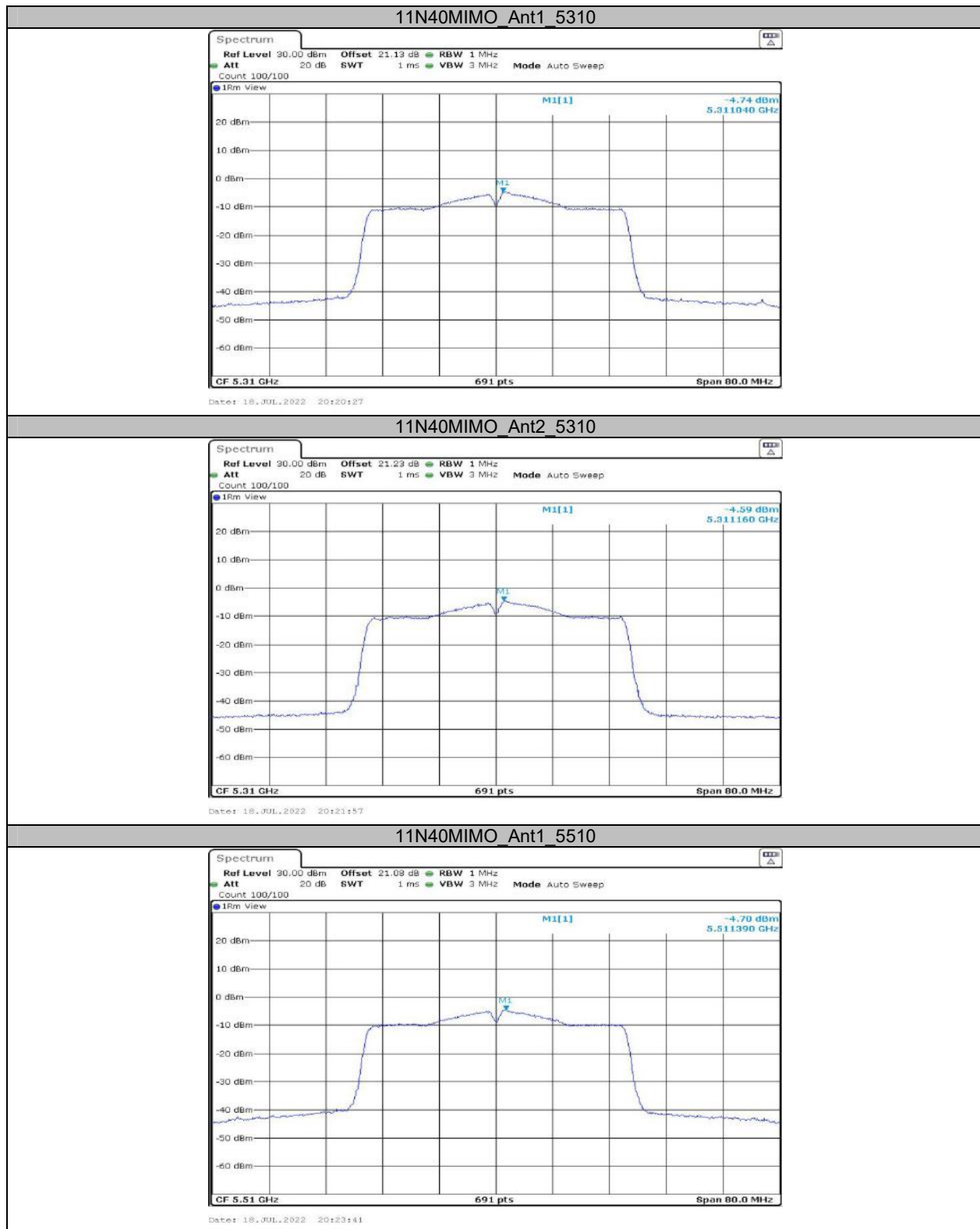


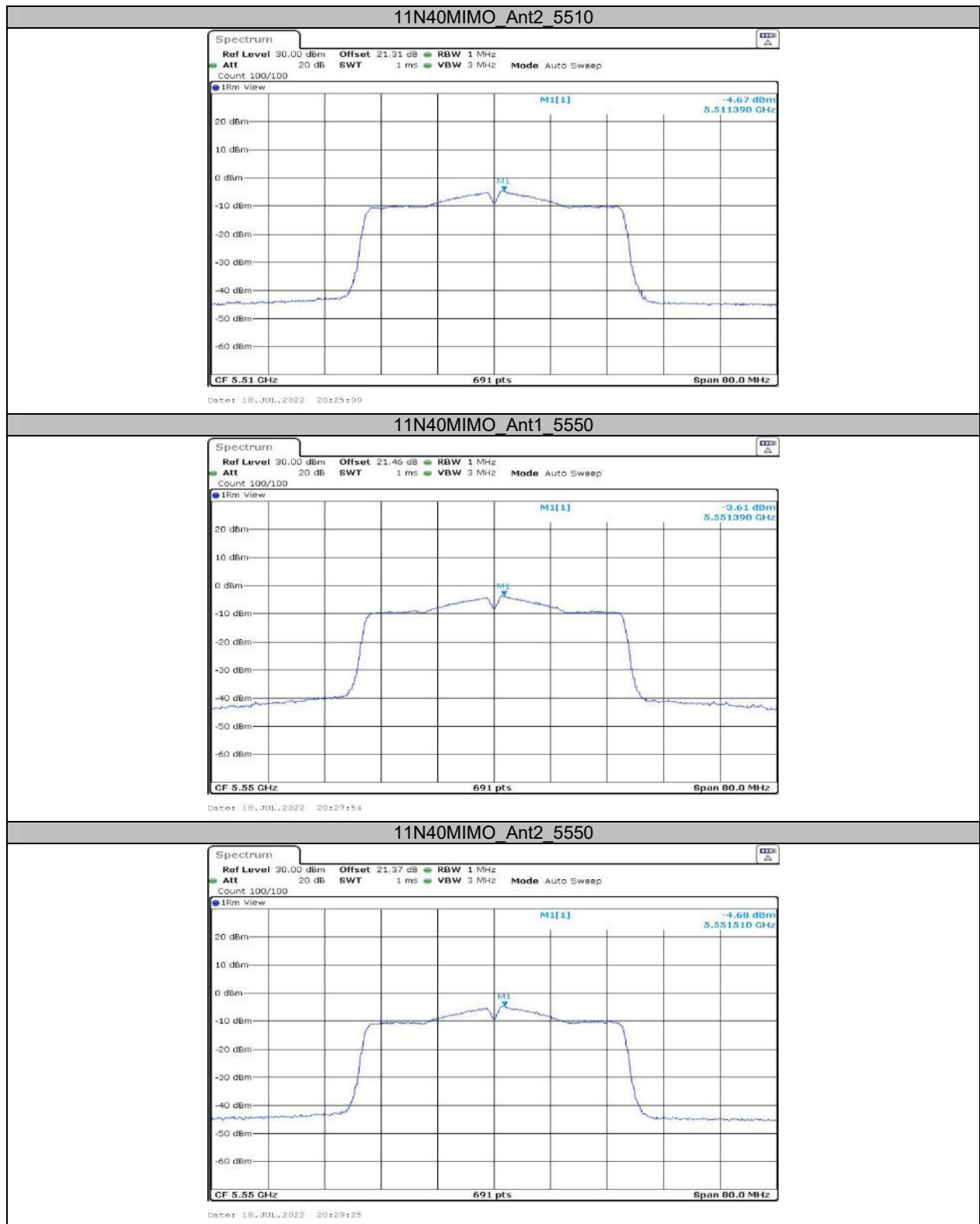


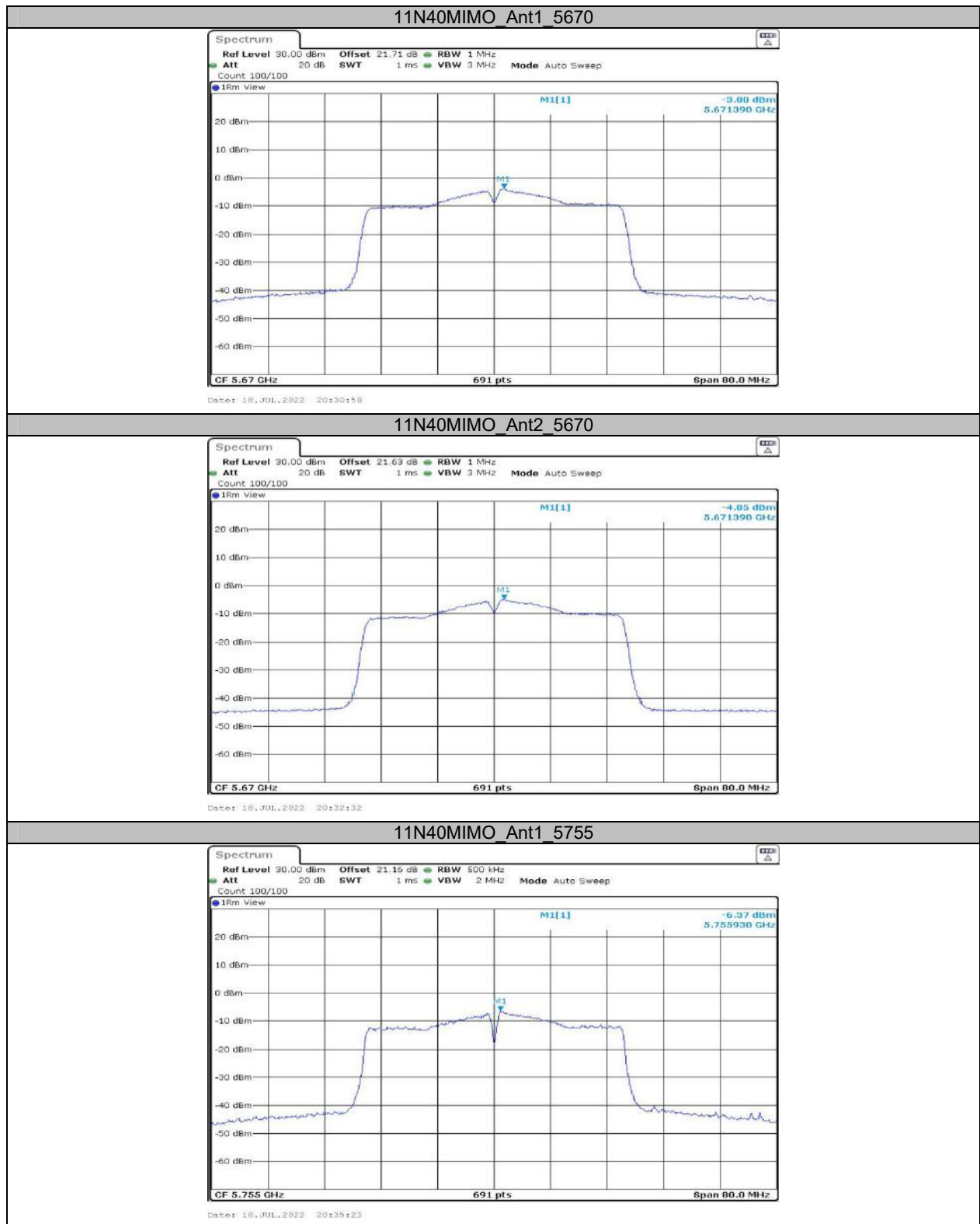


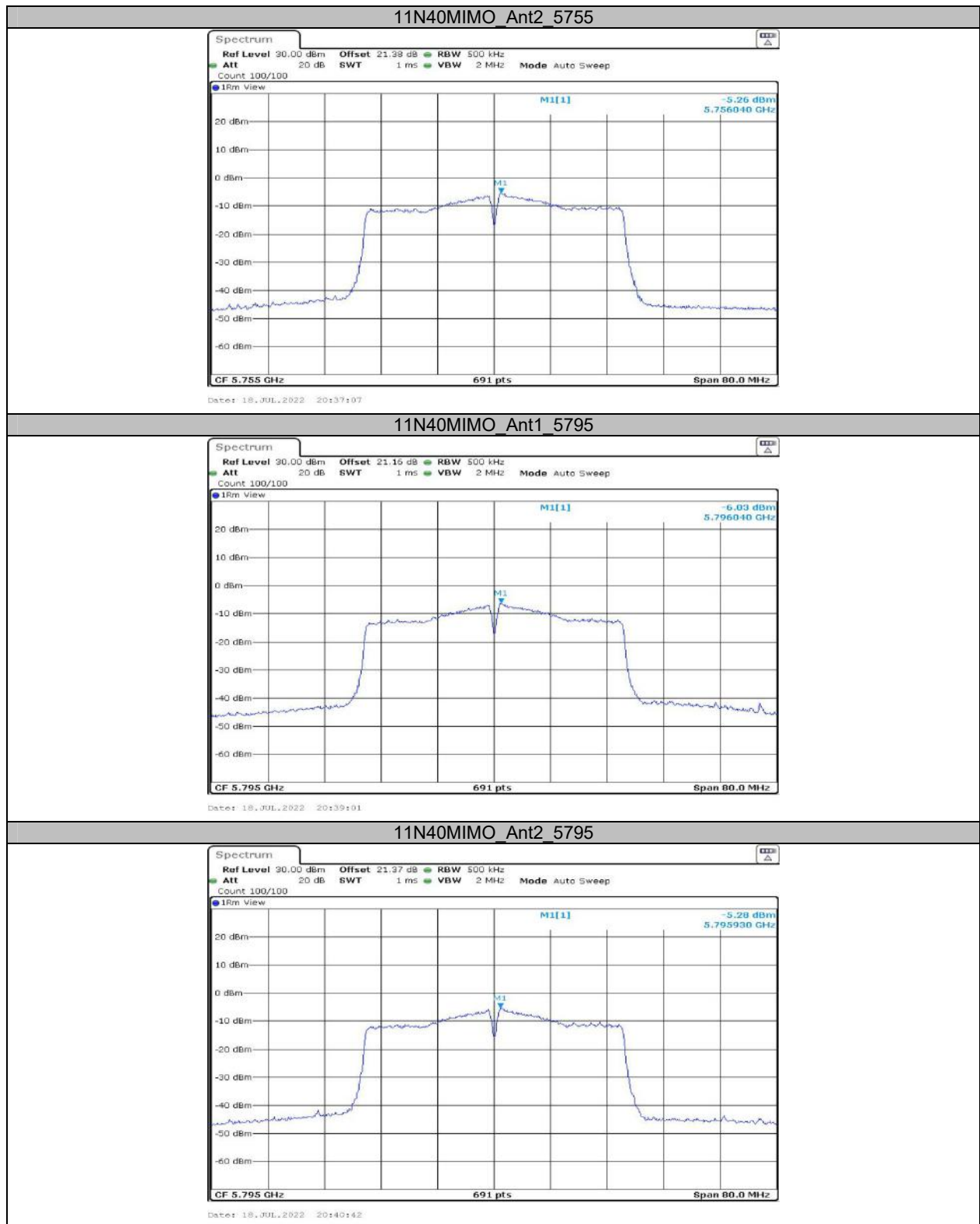


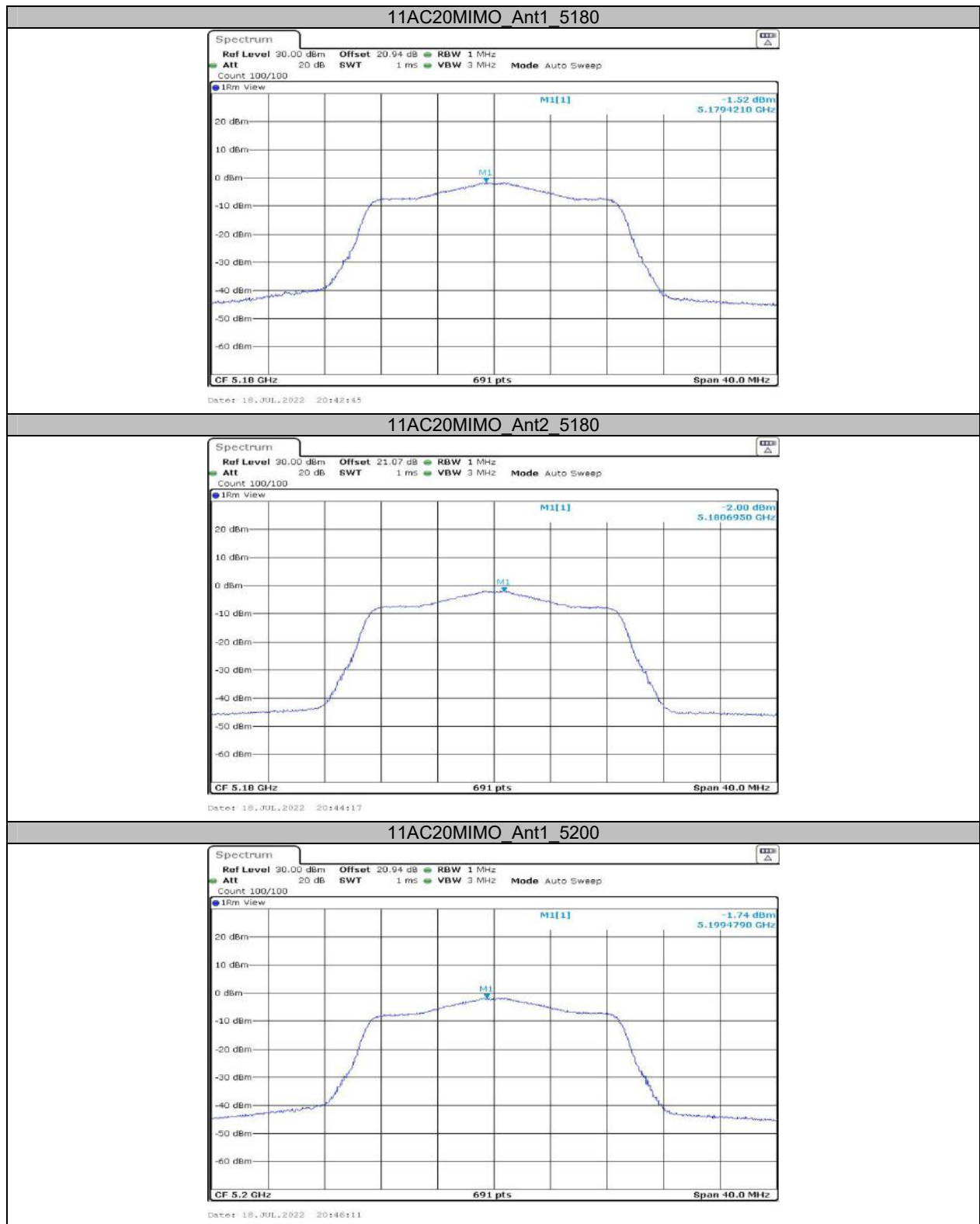


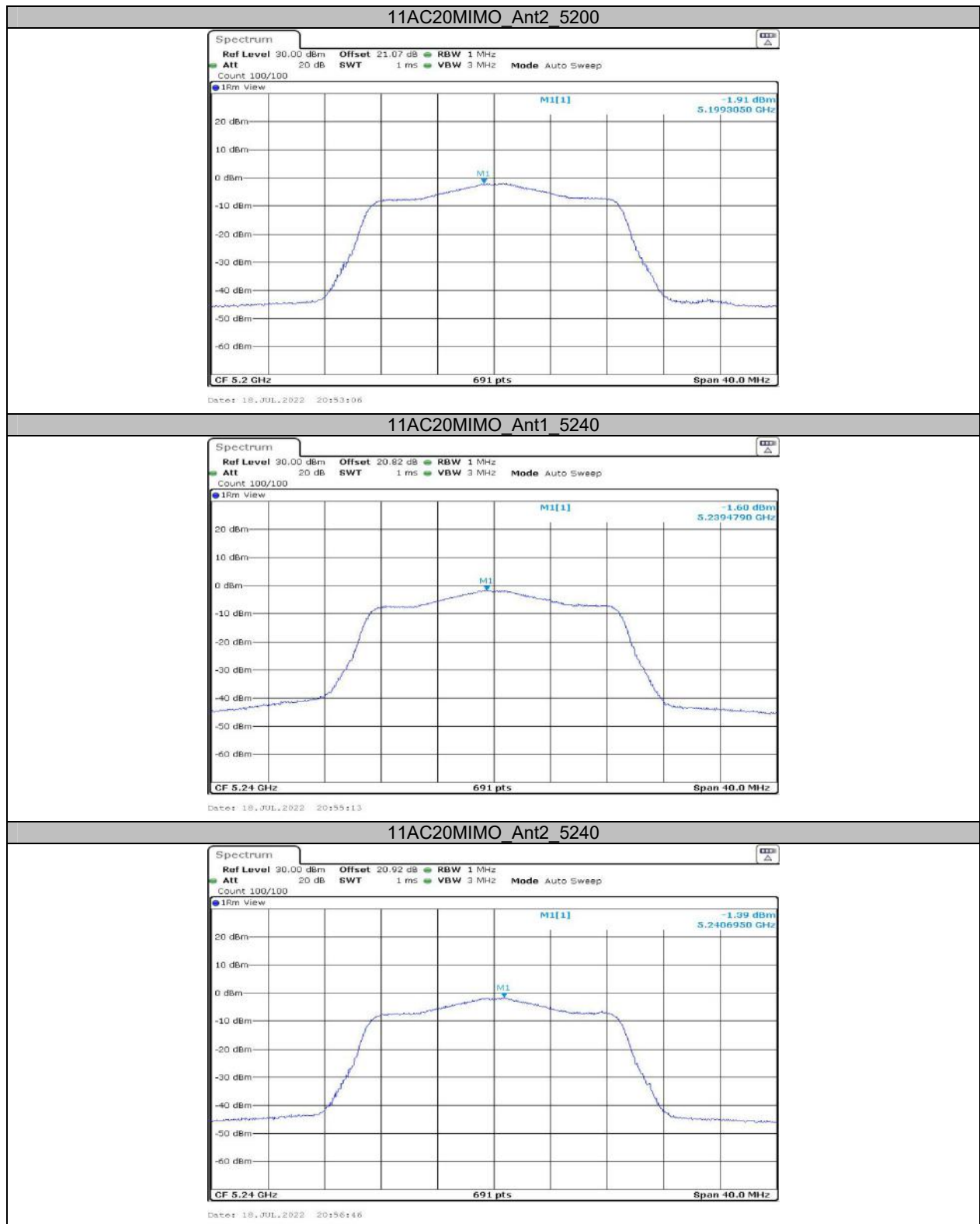


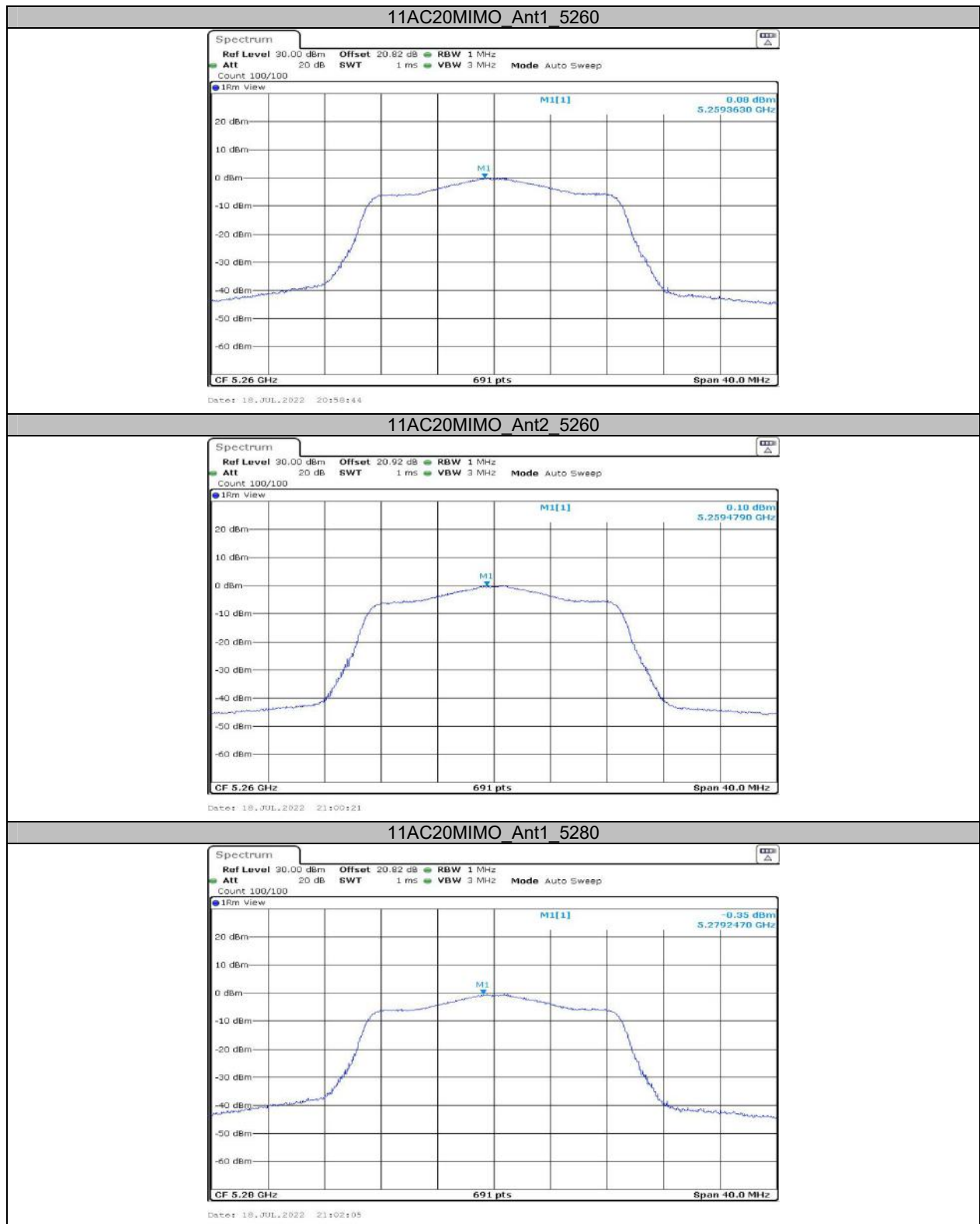


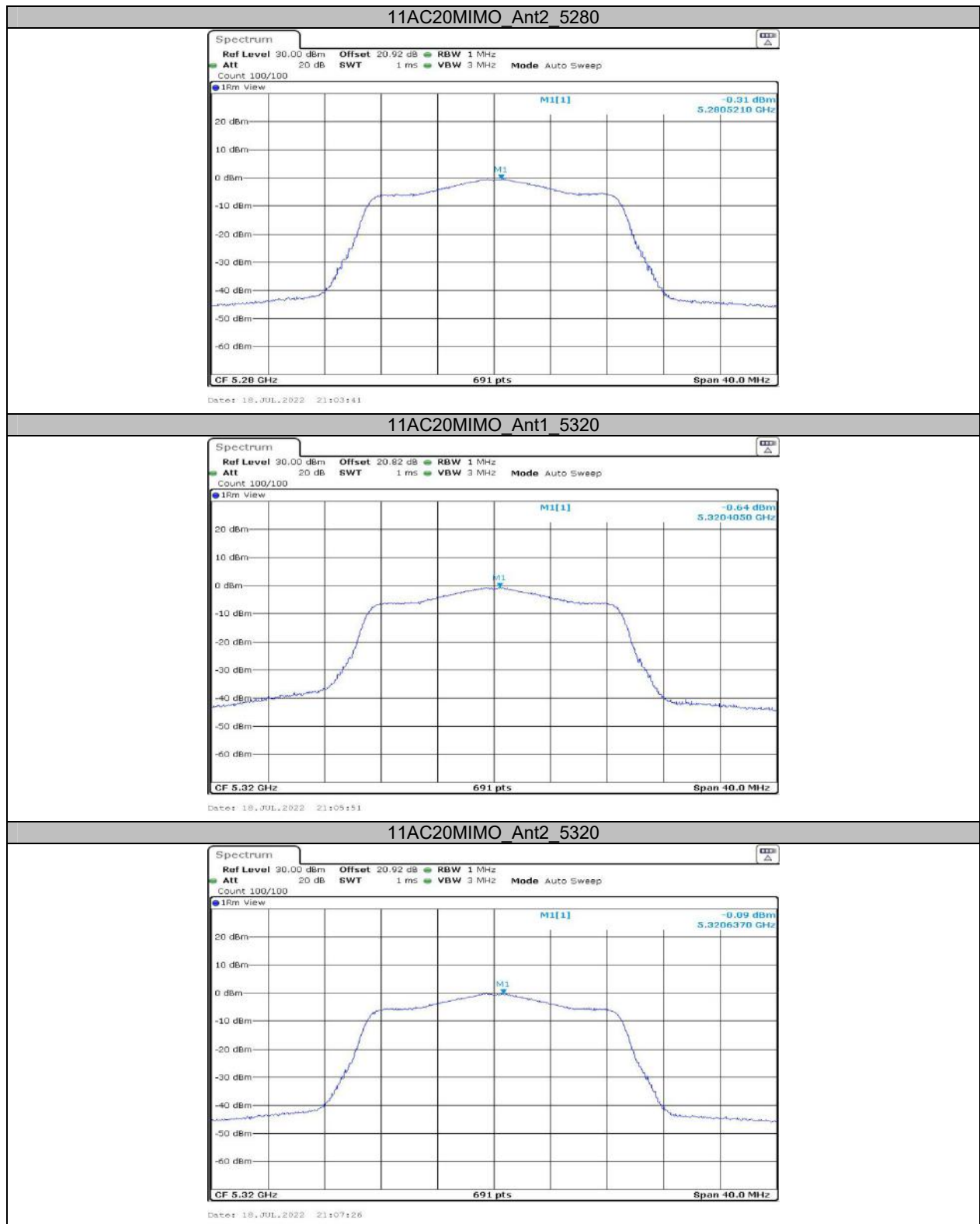


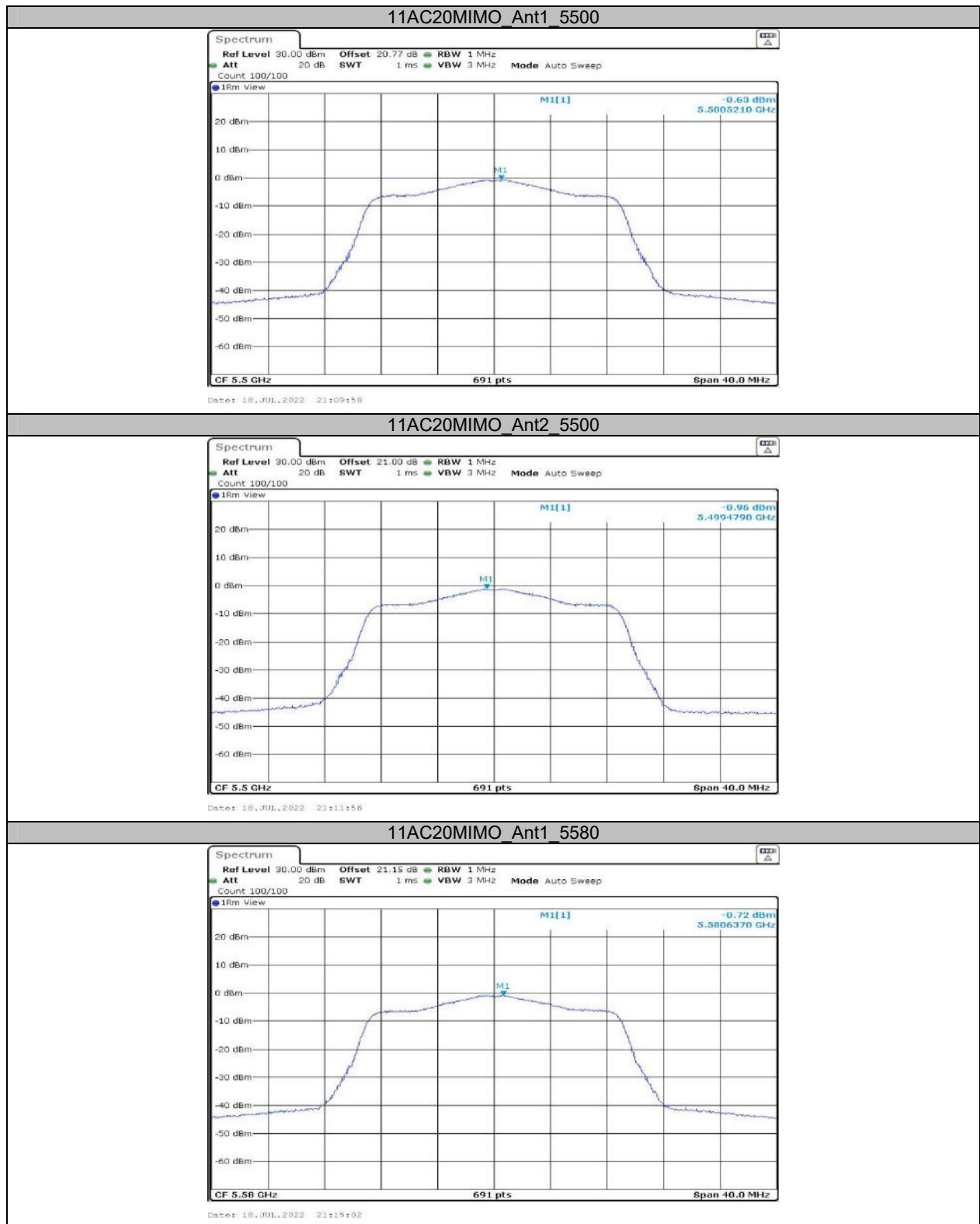


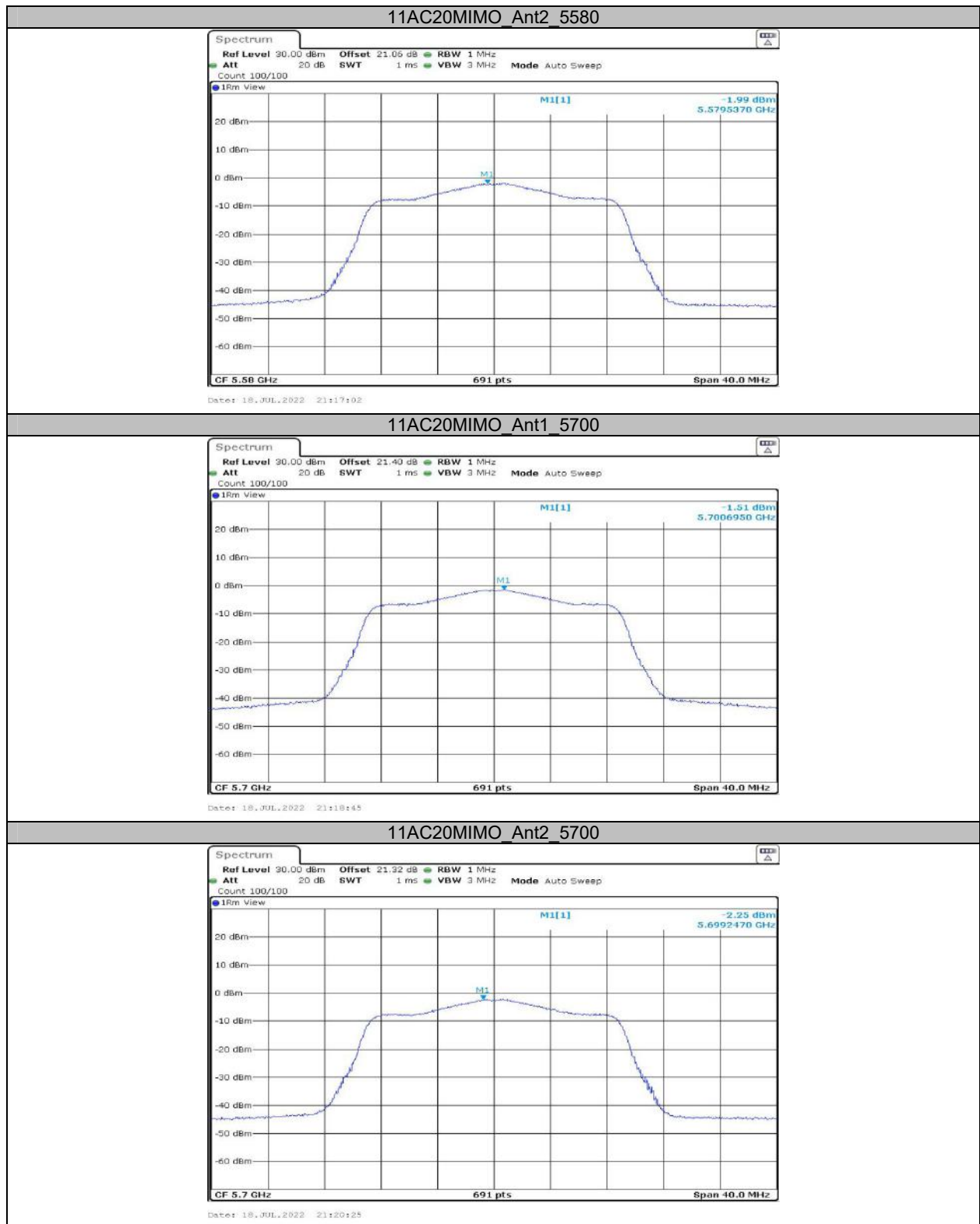


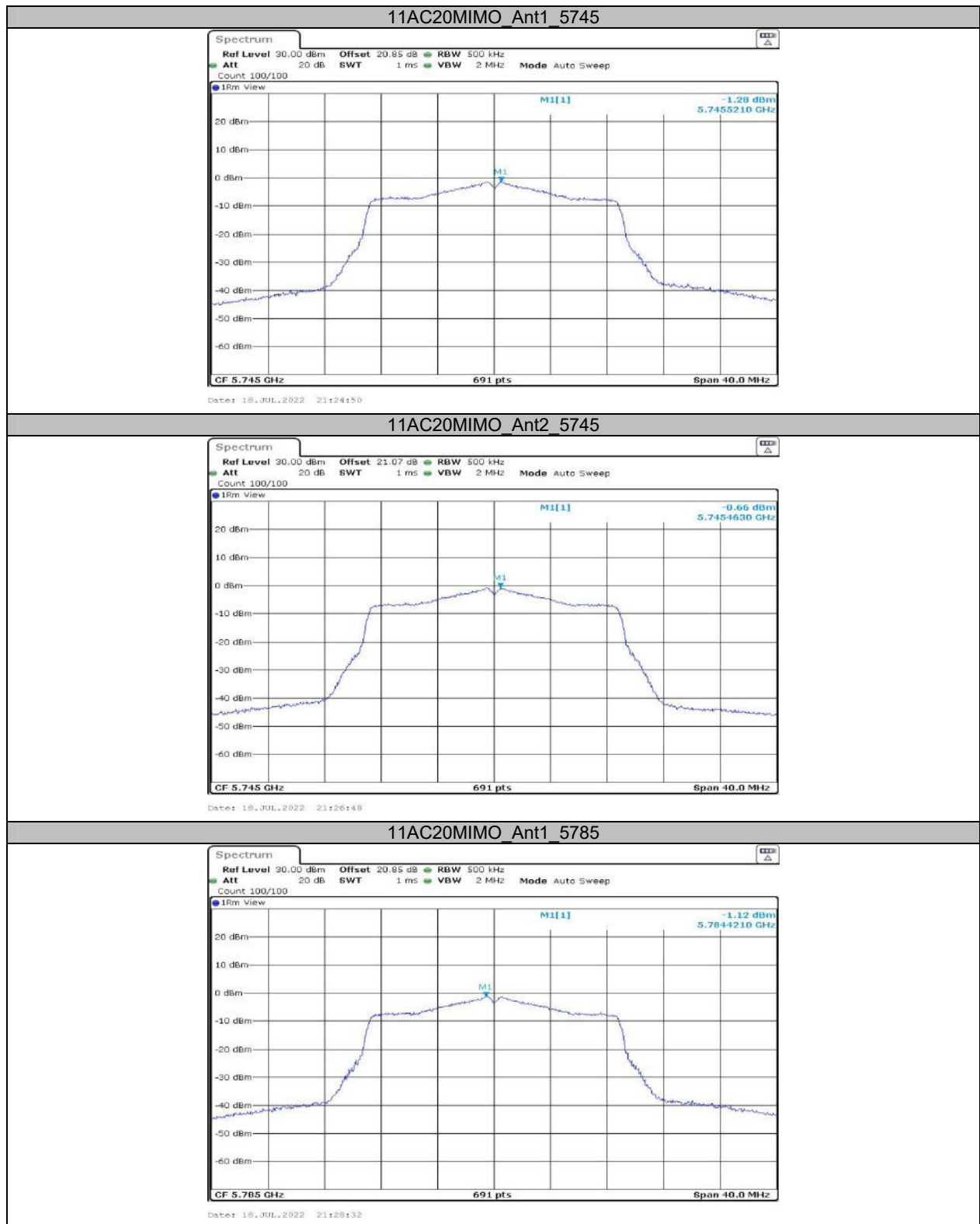












11AC20MIMO_Ant2_5785

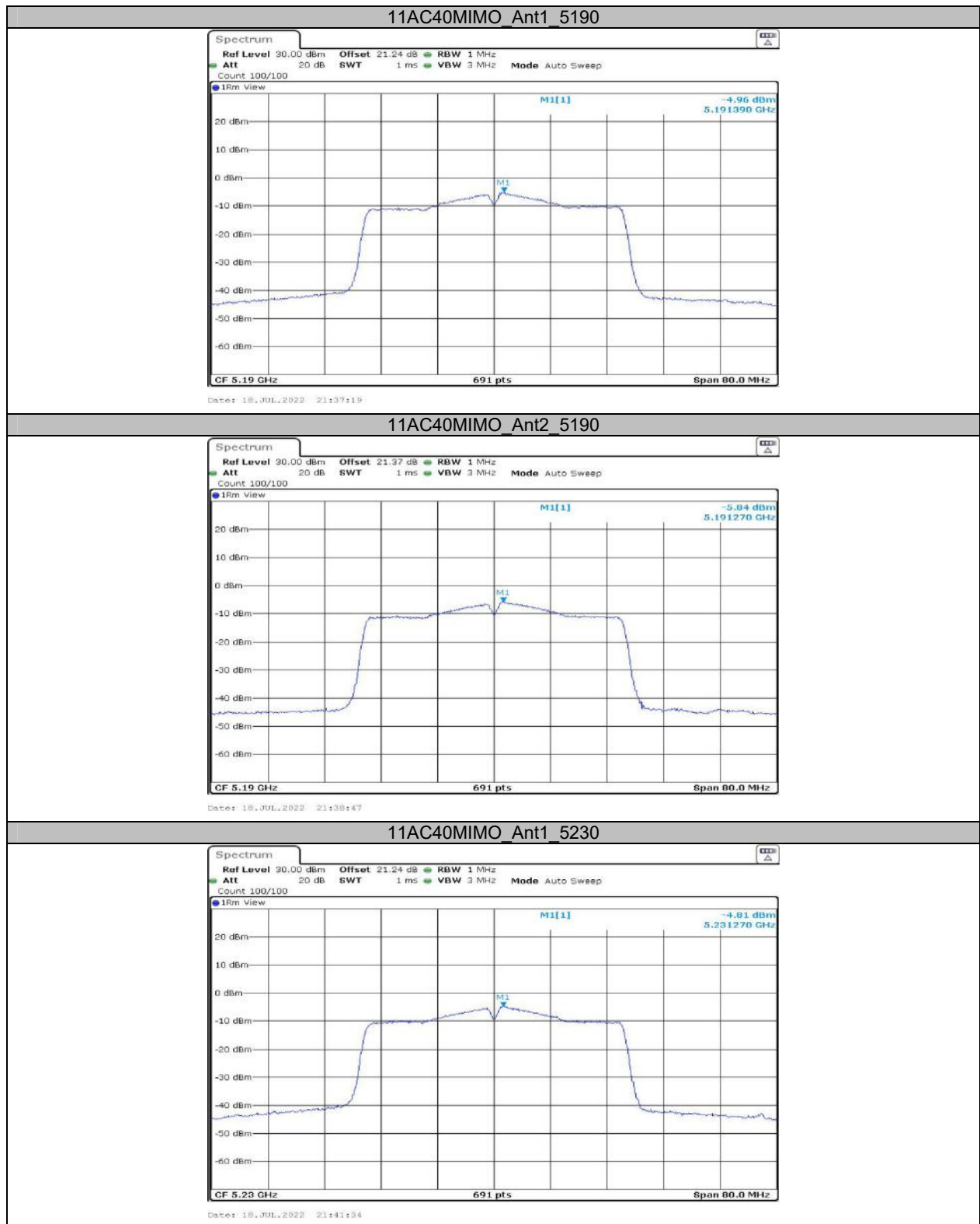


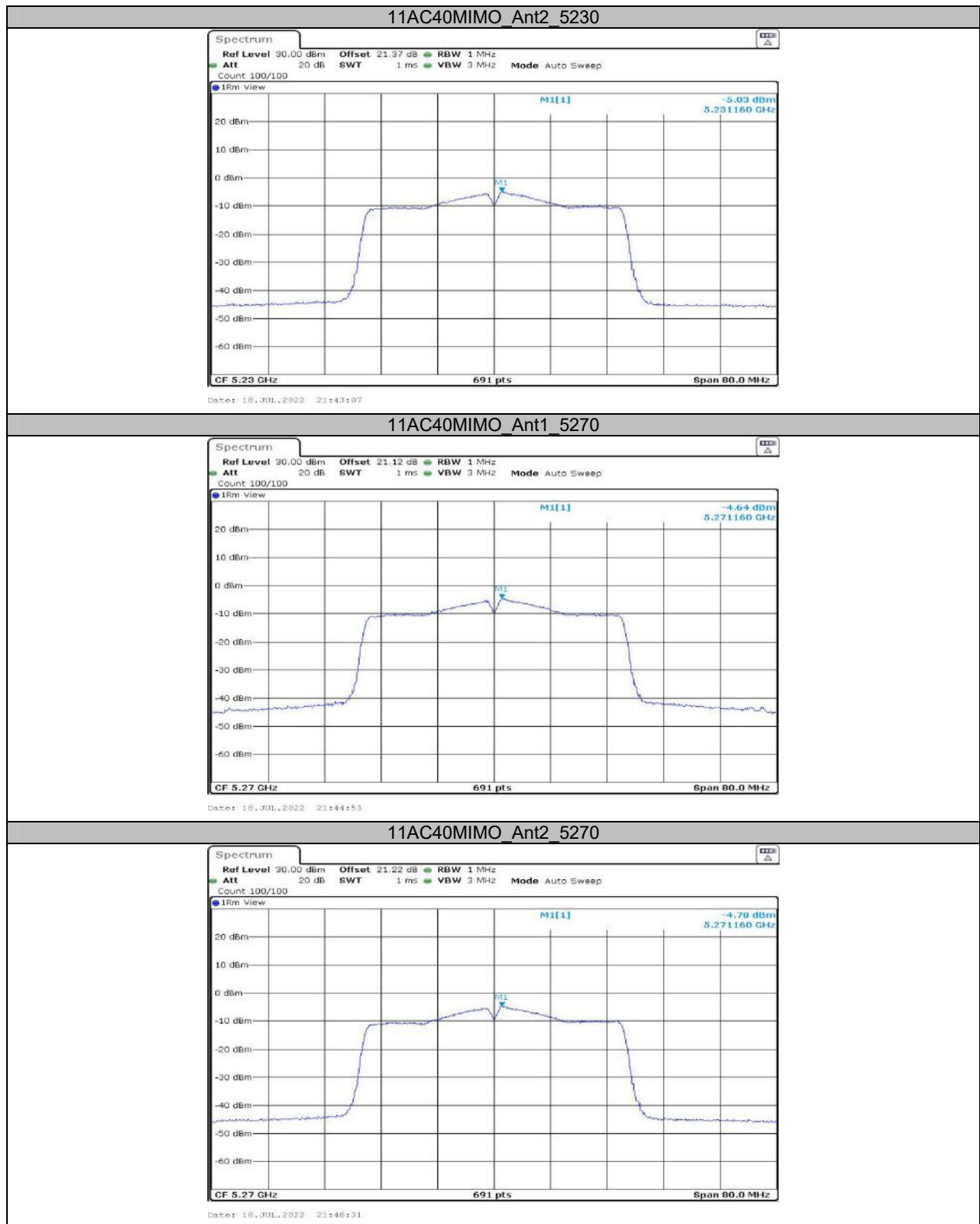
11AC20MIMO_Ant1_5825

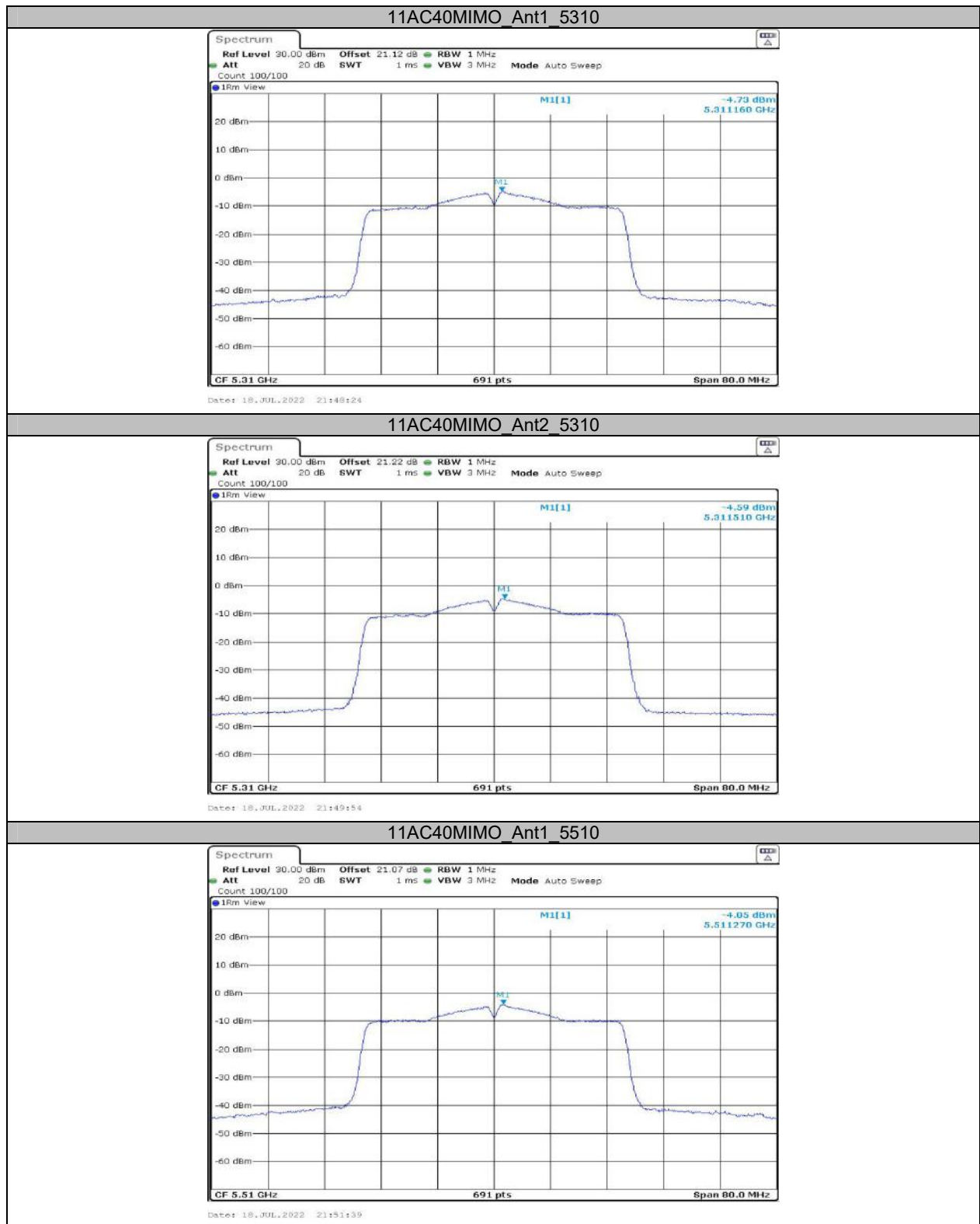


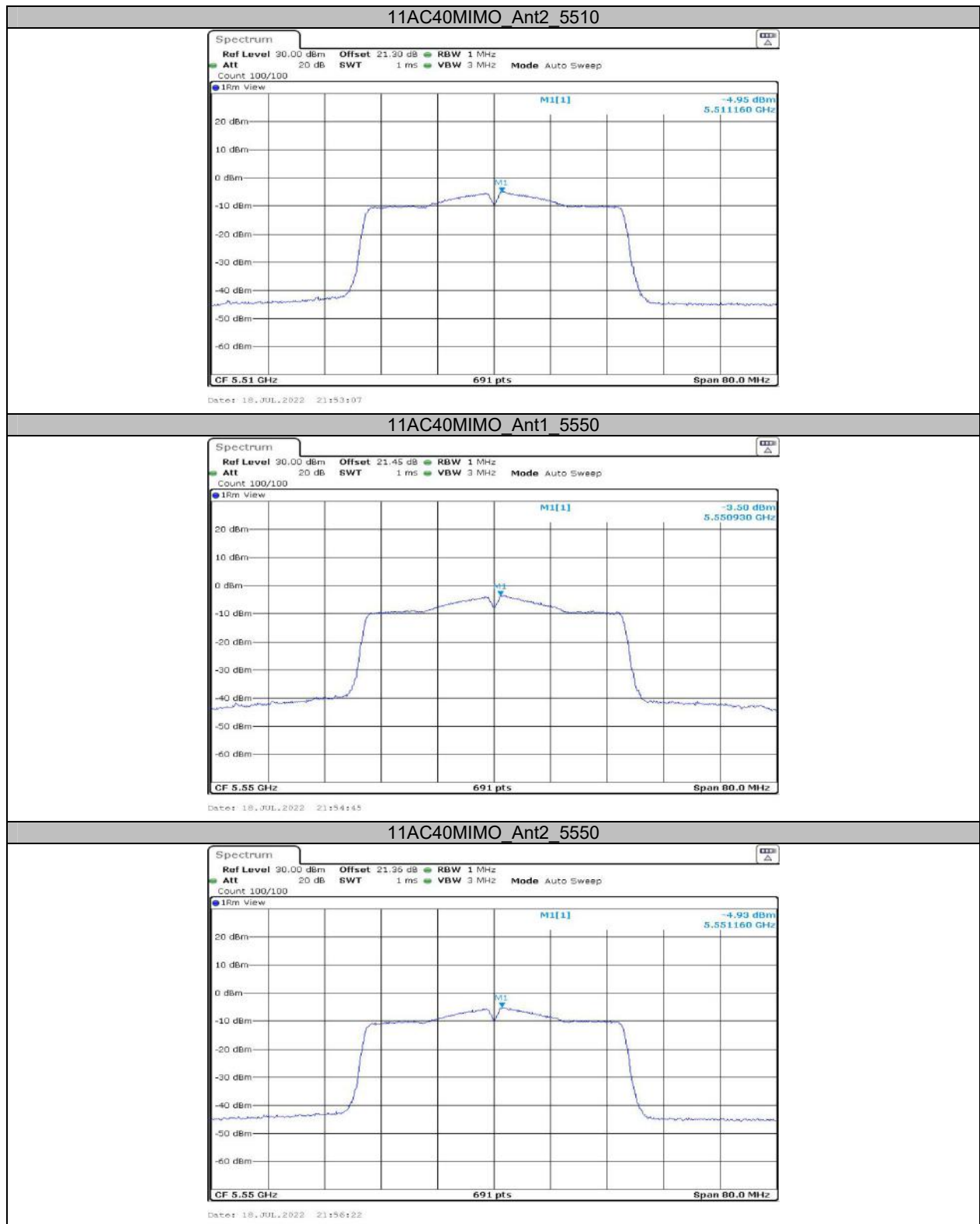
11AC20MIMO_Ant2_5825

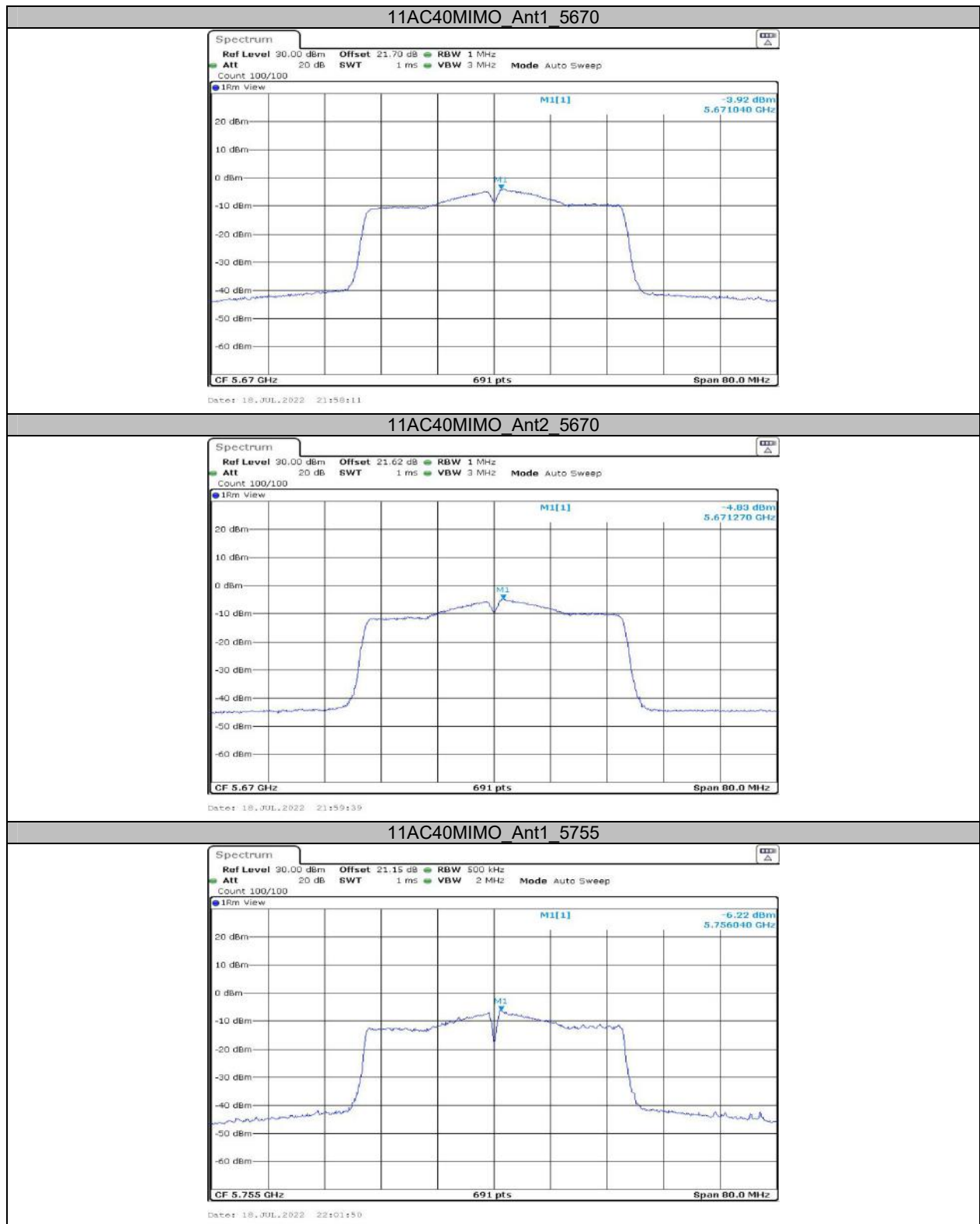


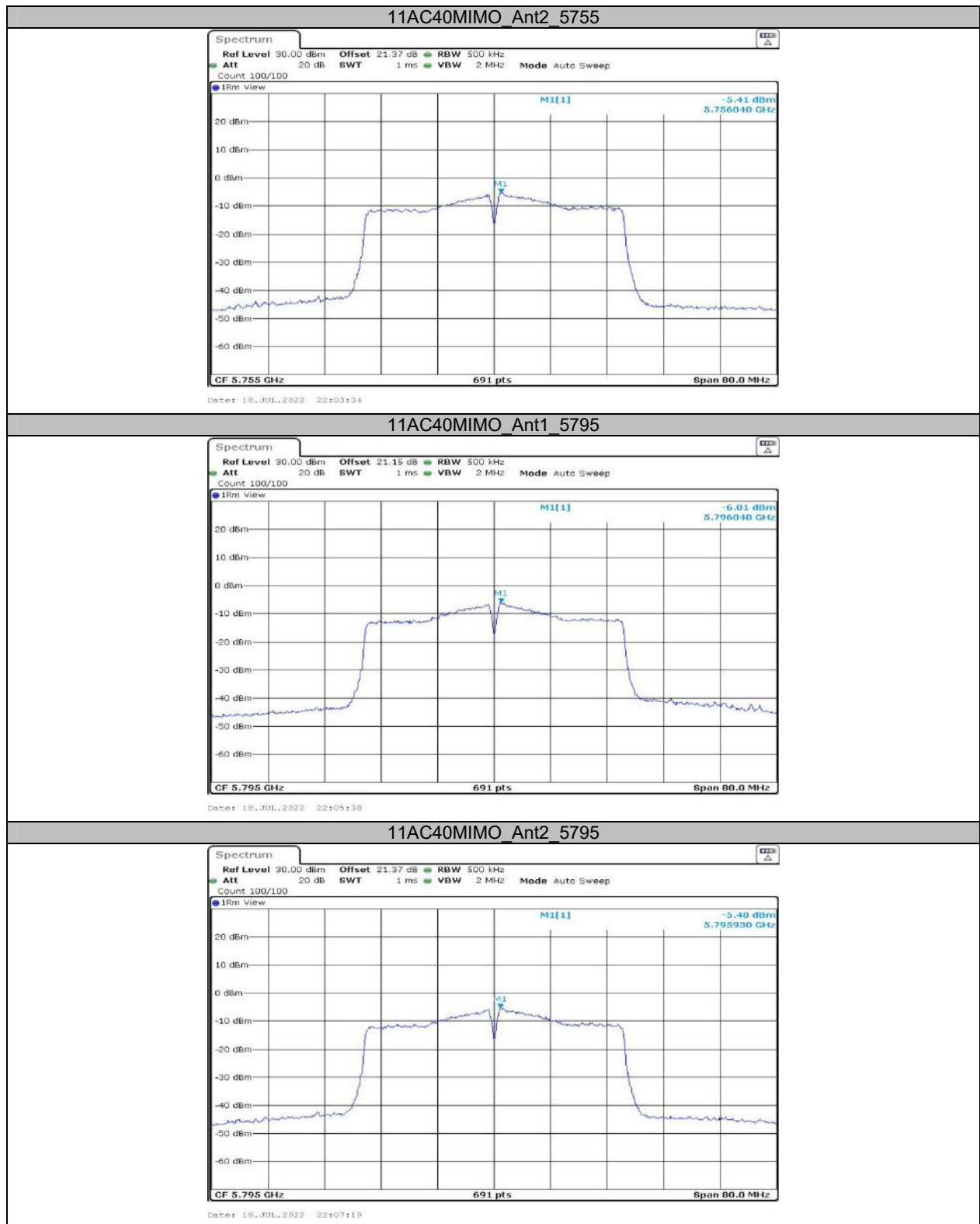


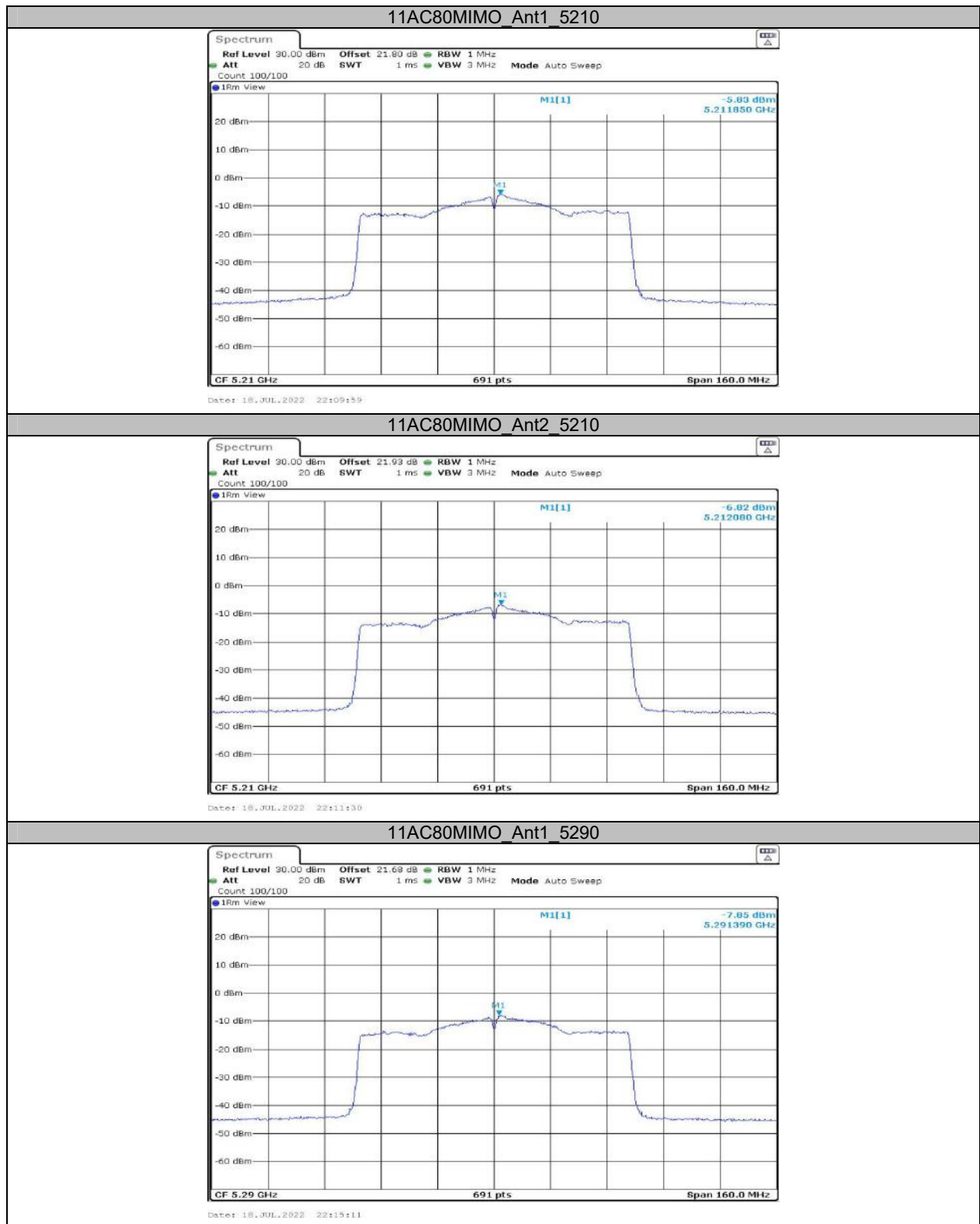


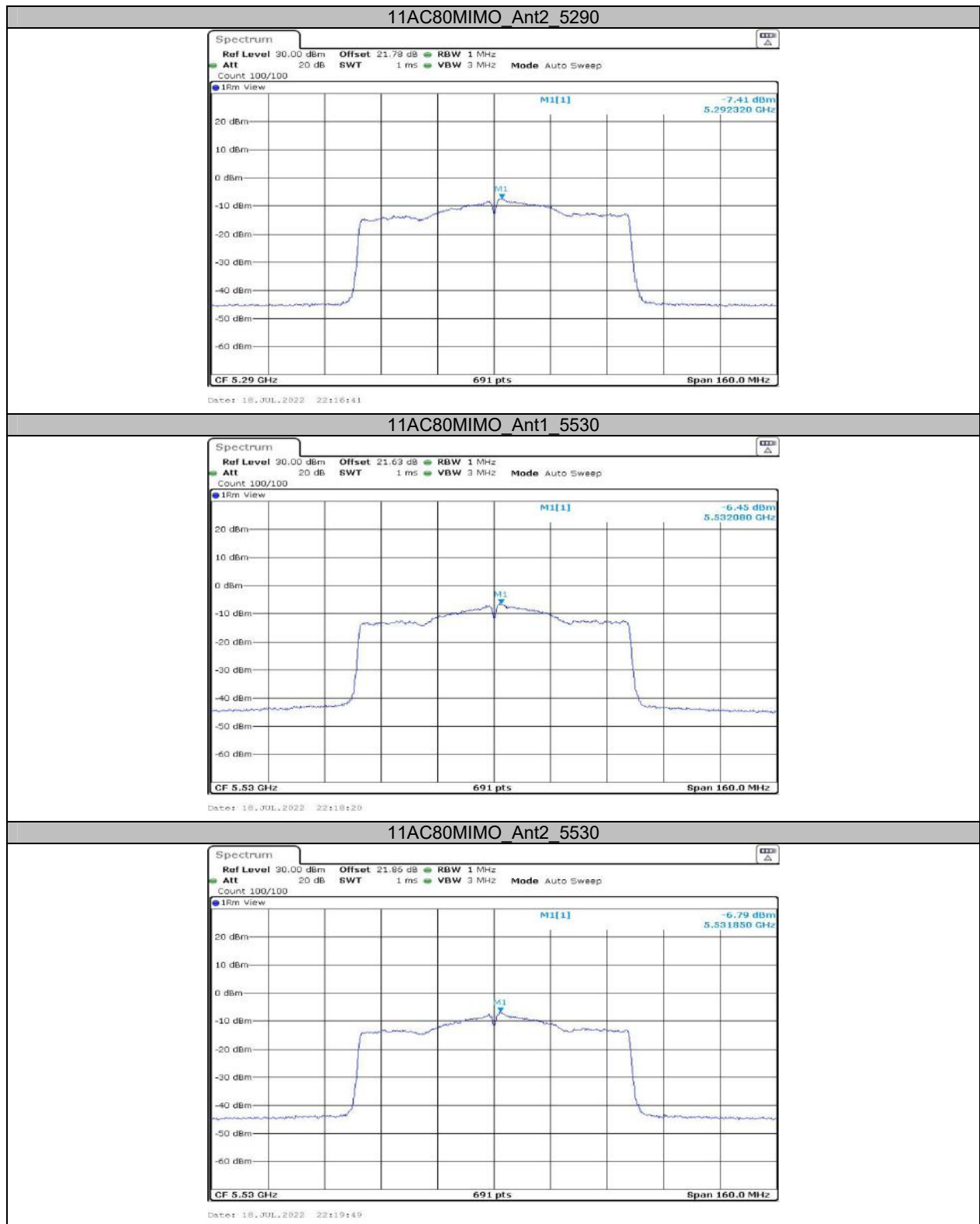


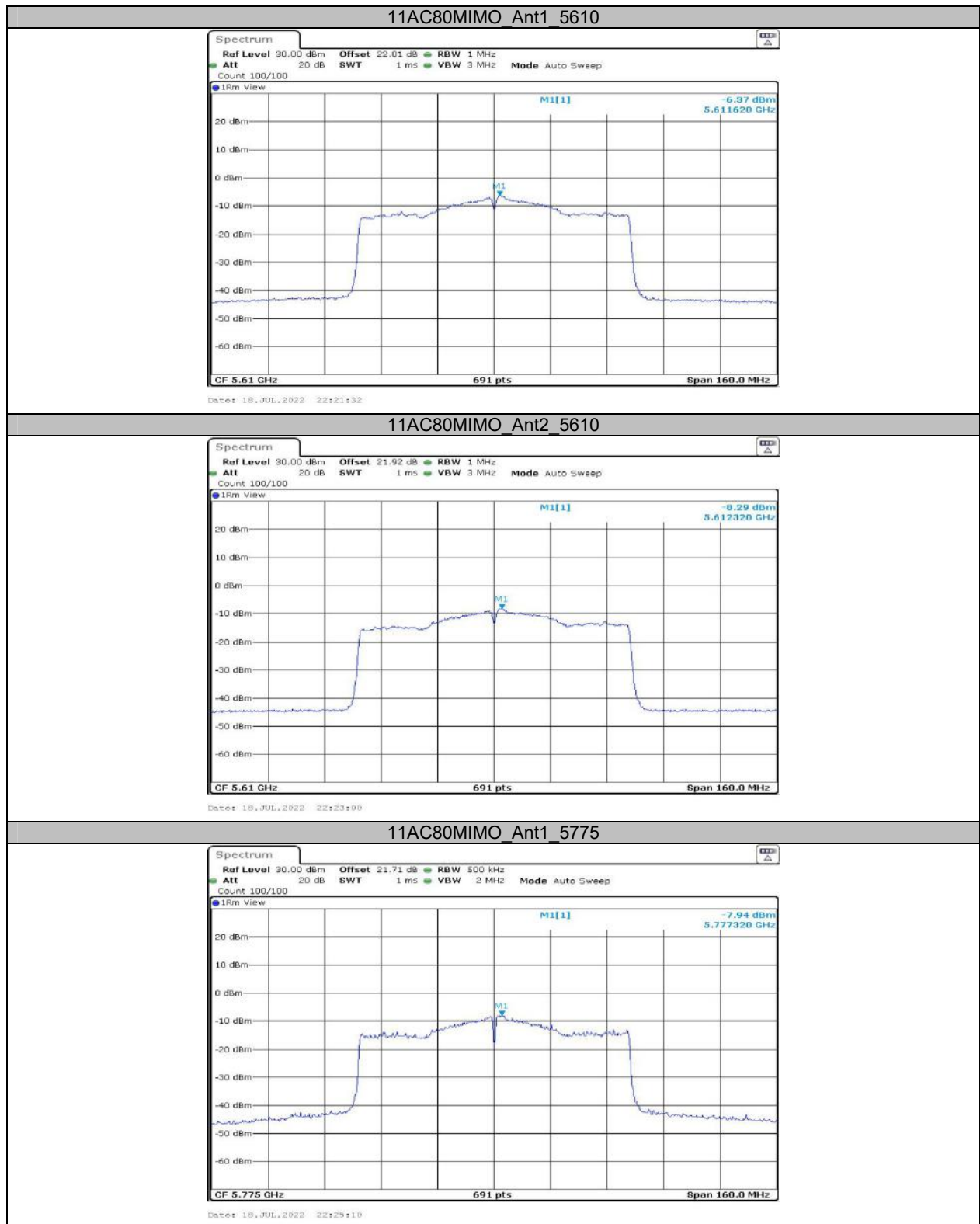


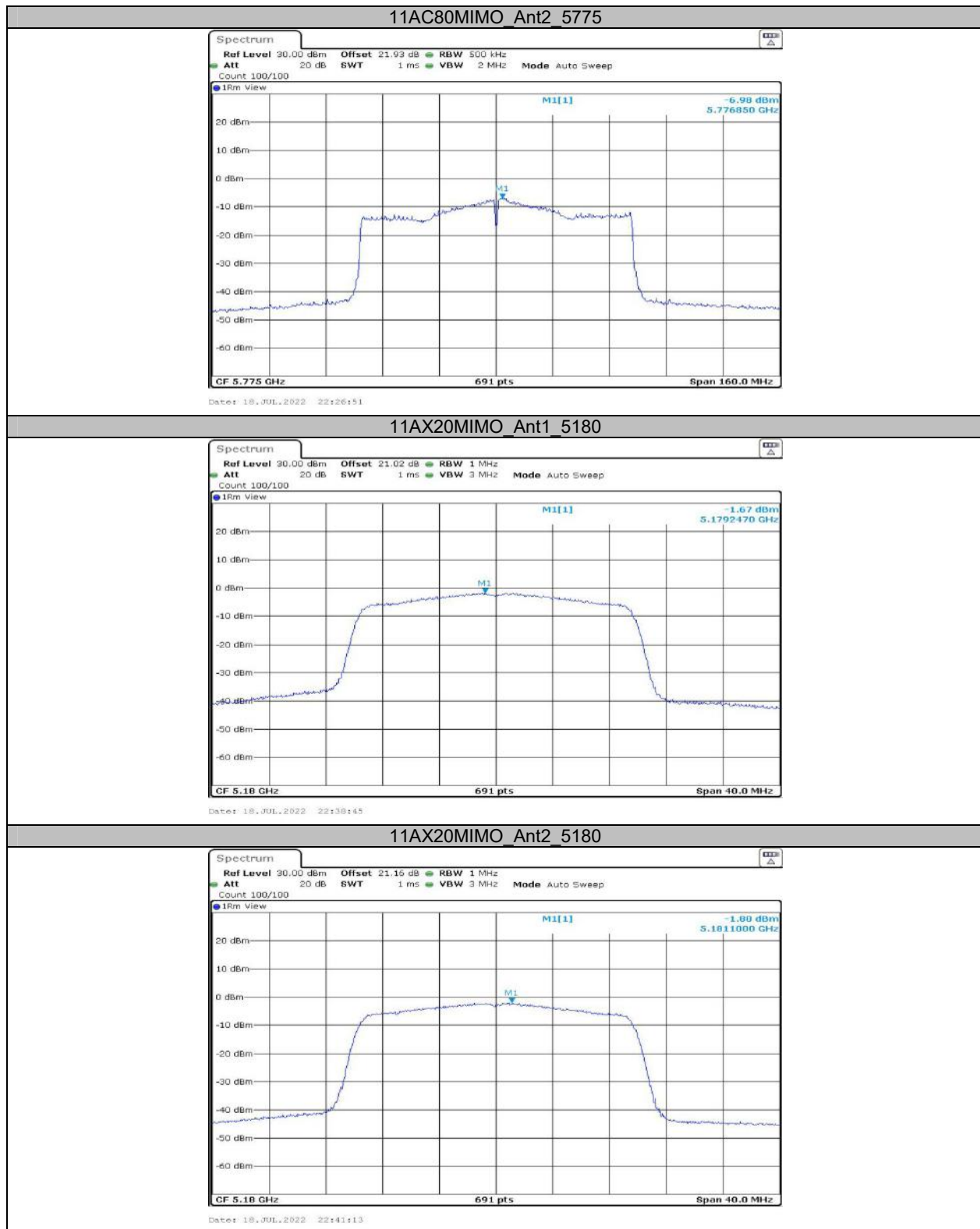


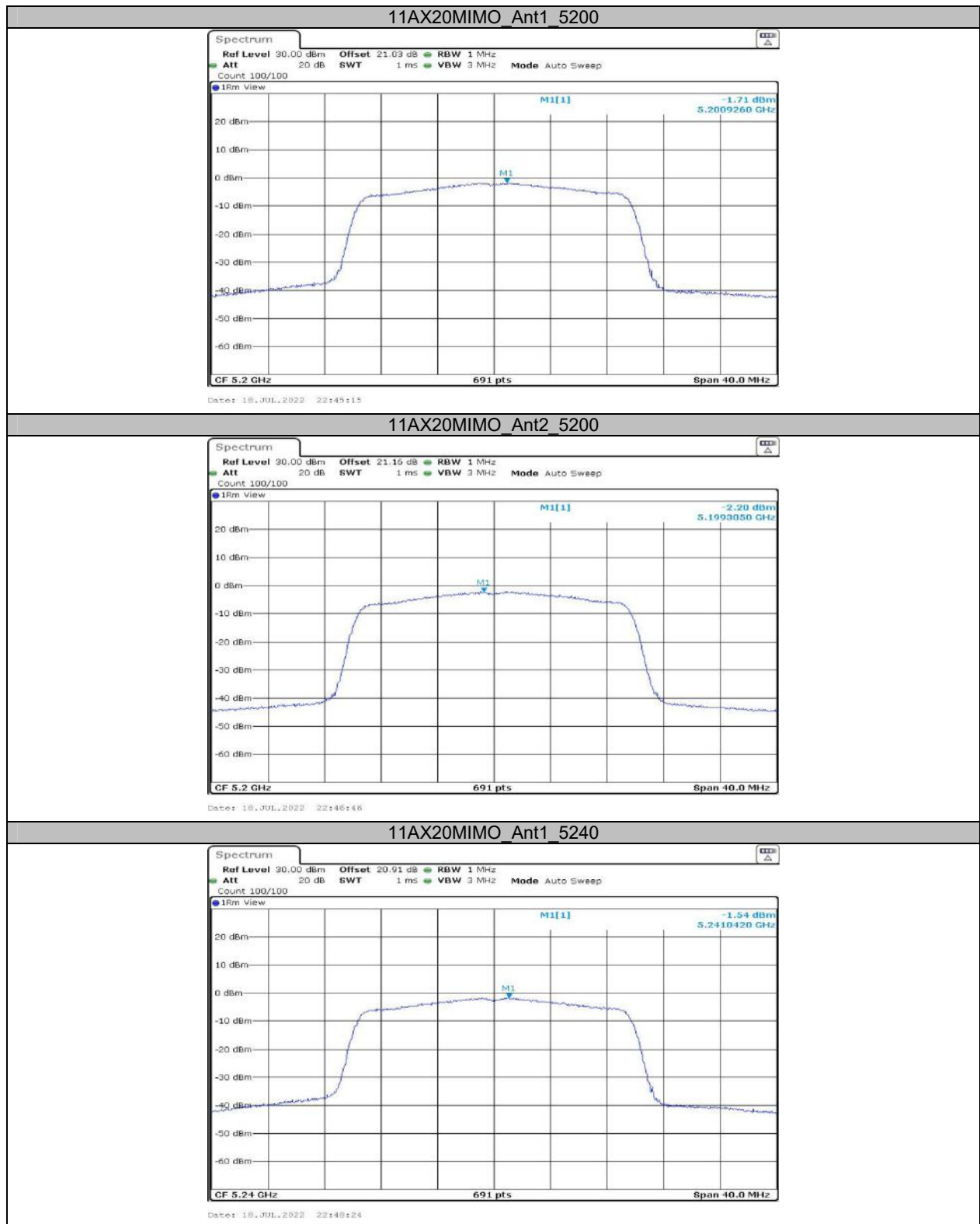


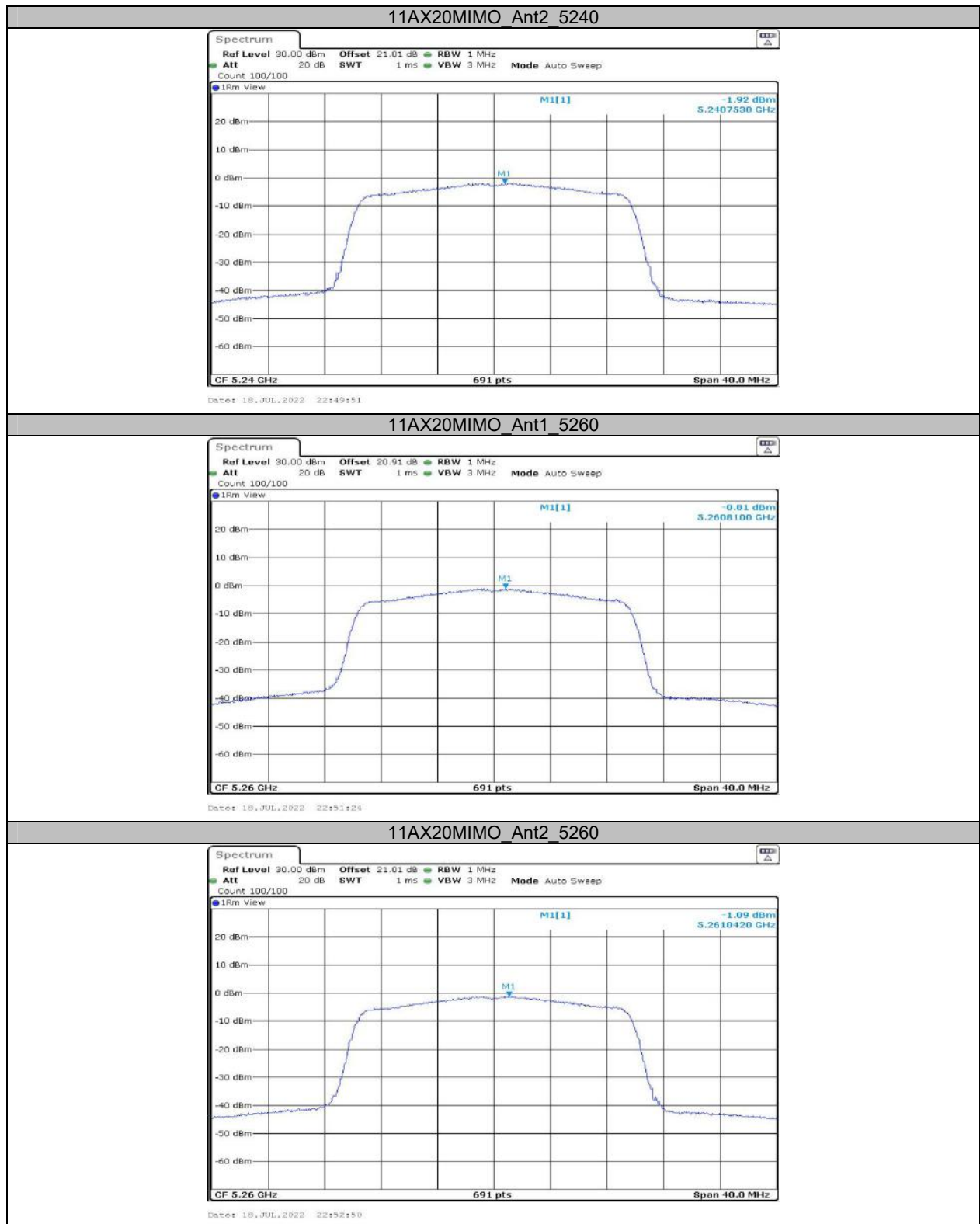


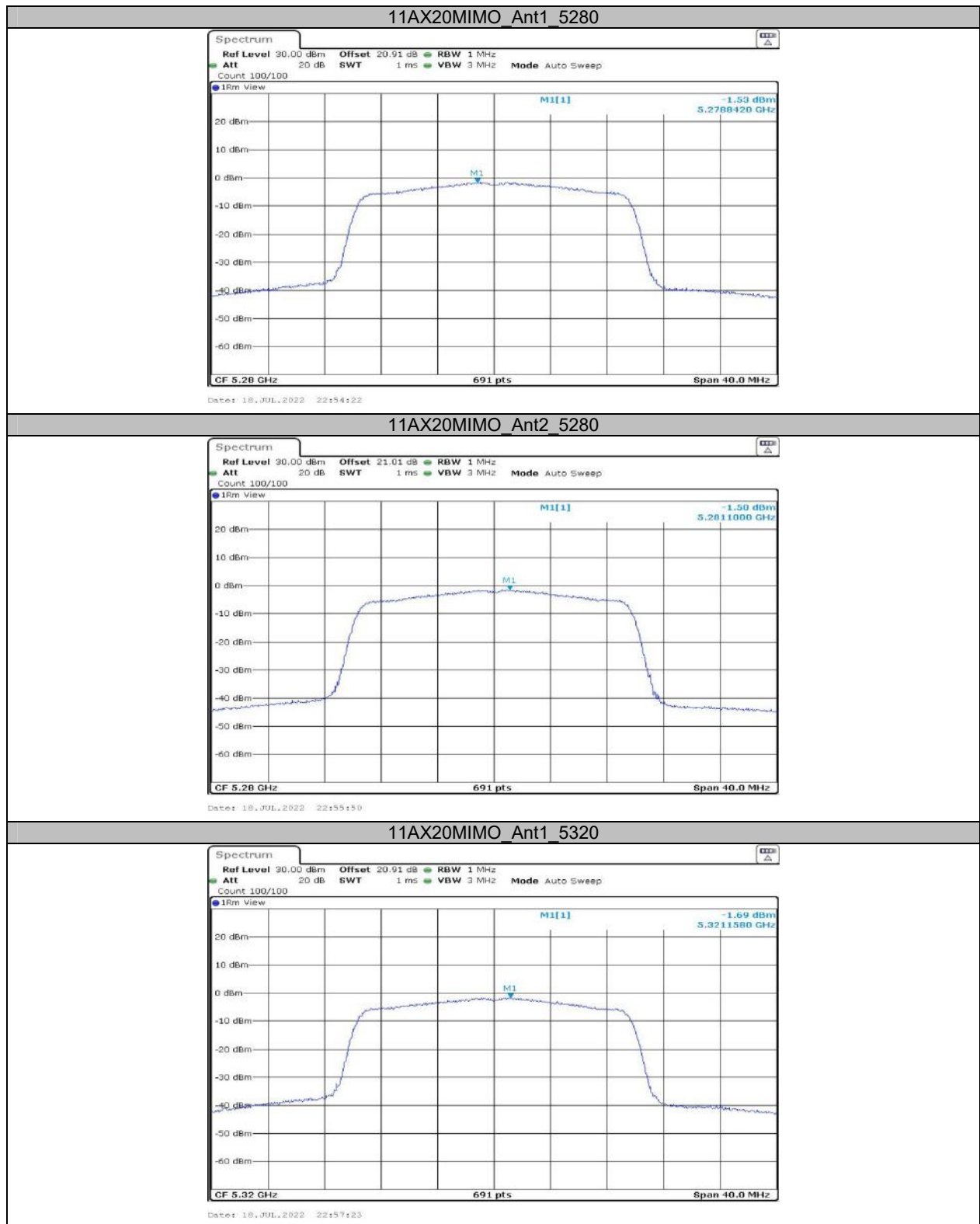


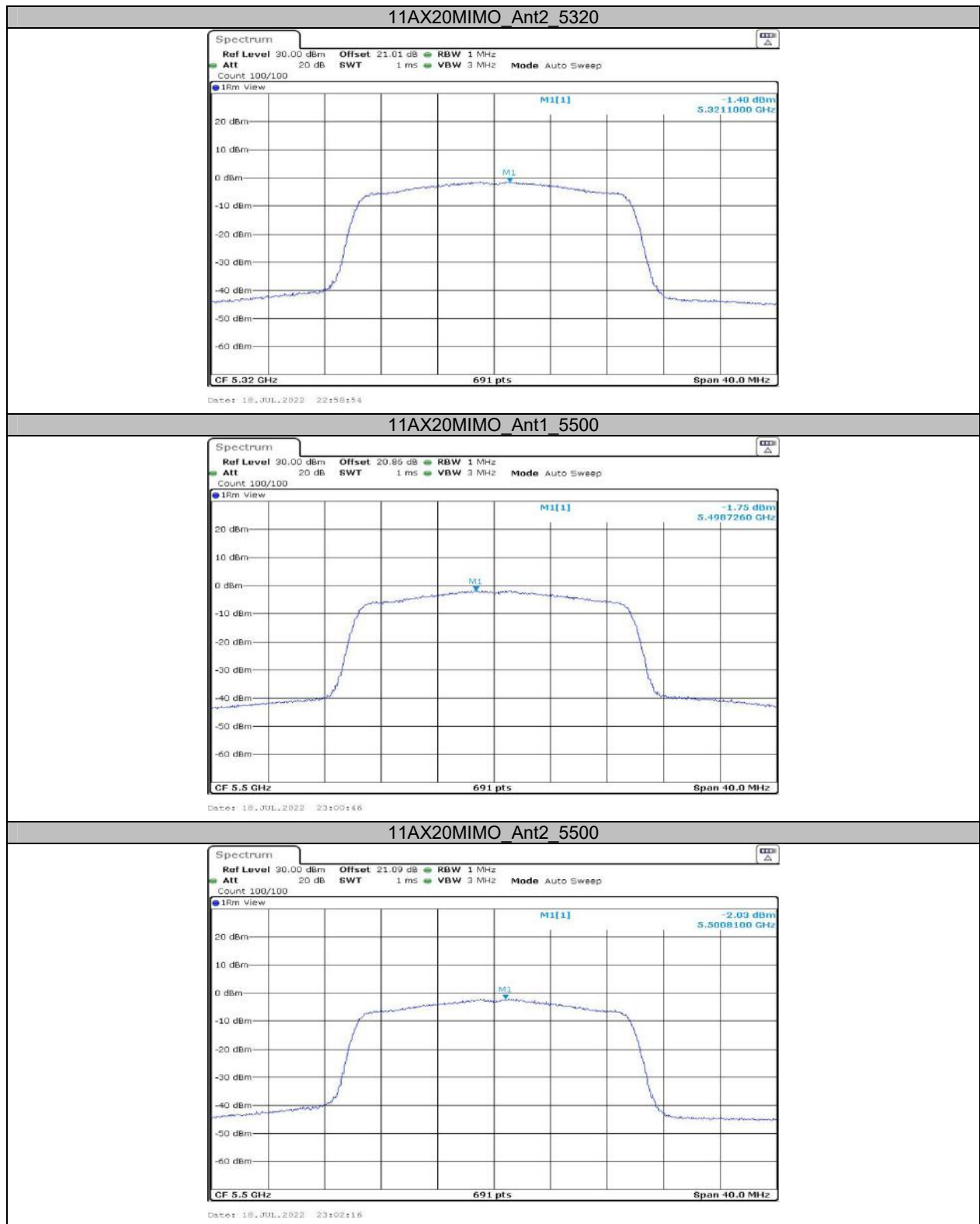


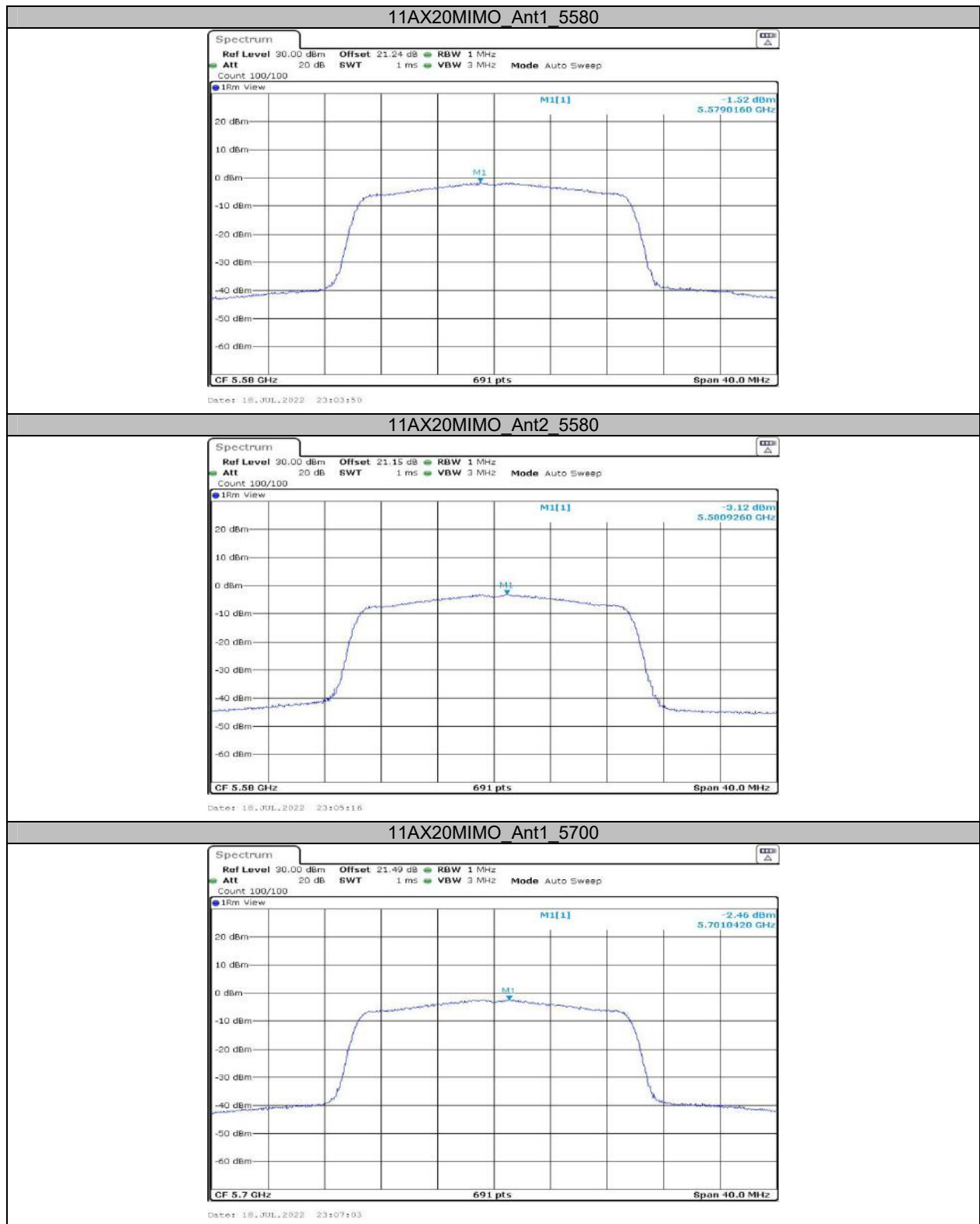


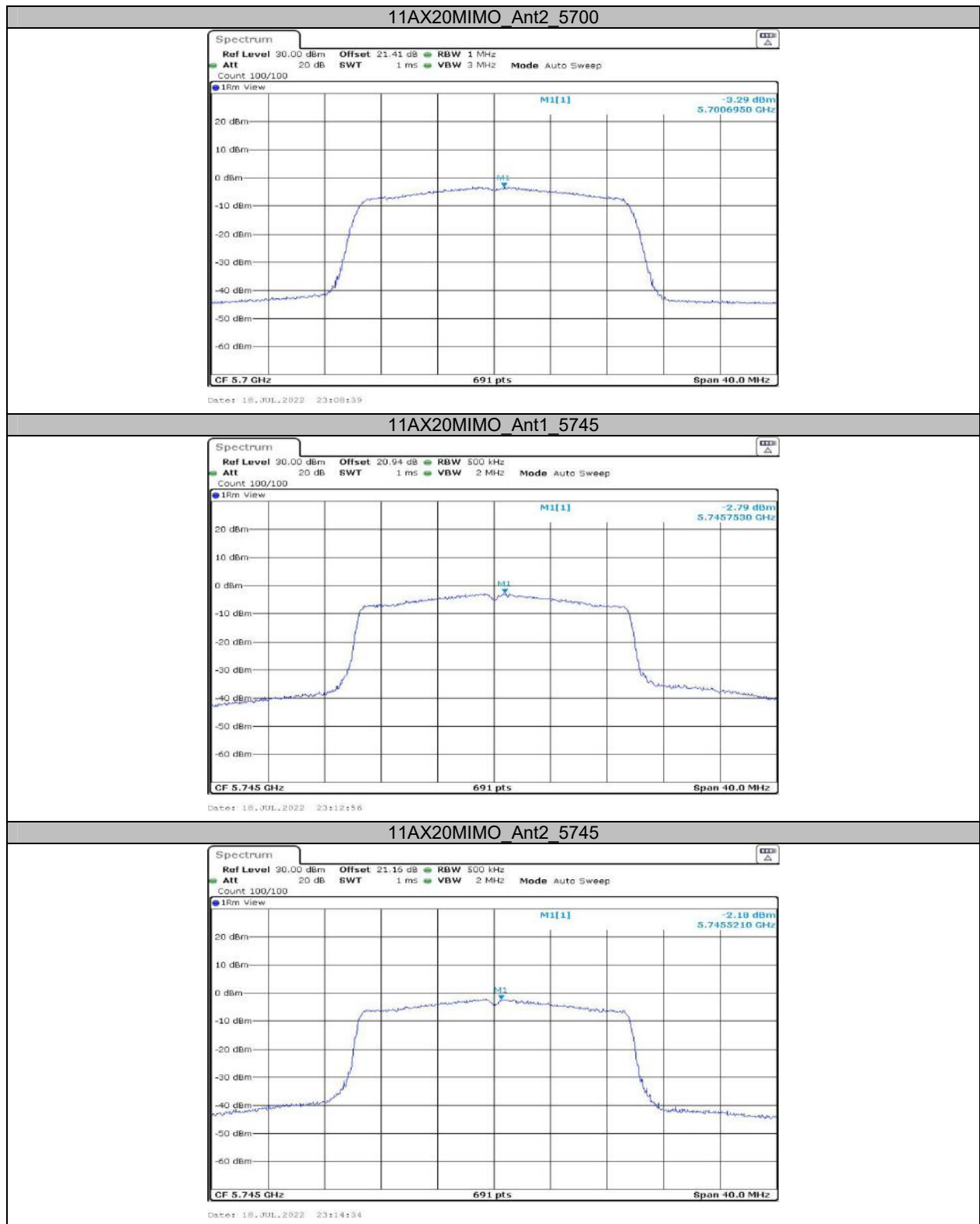


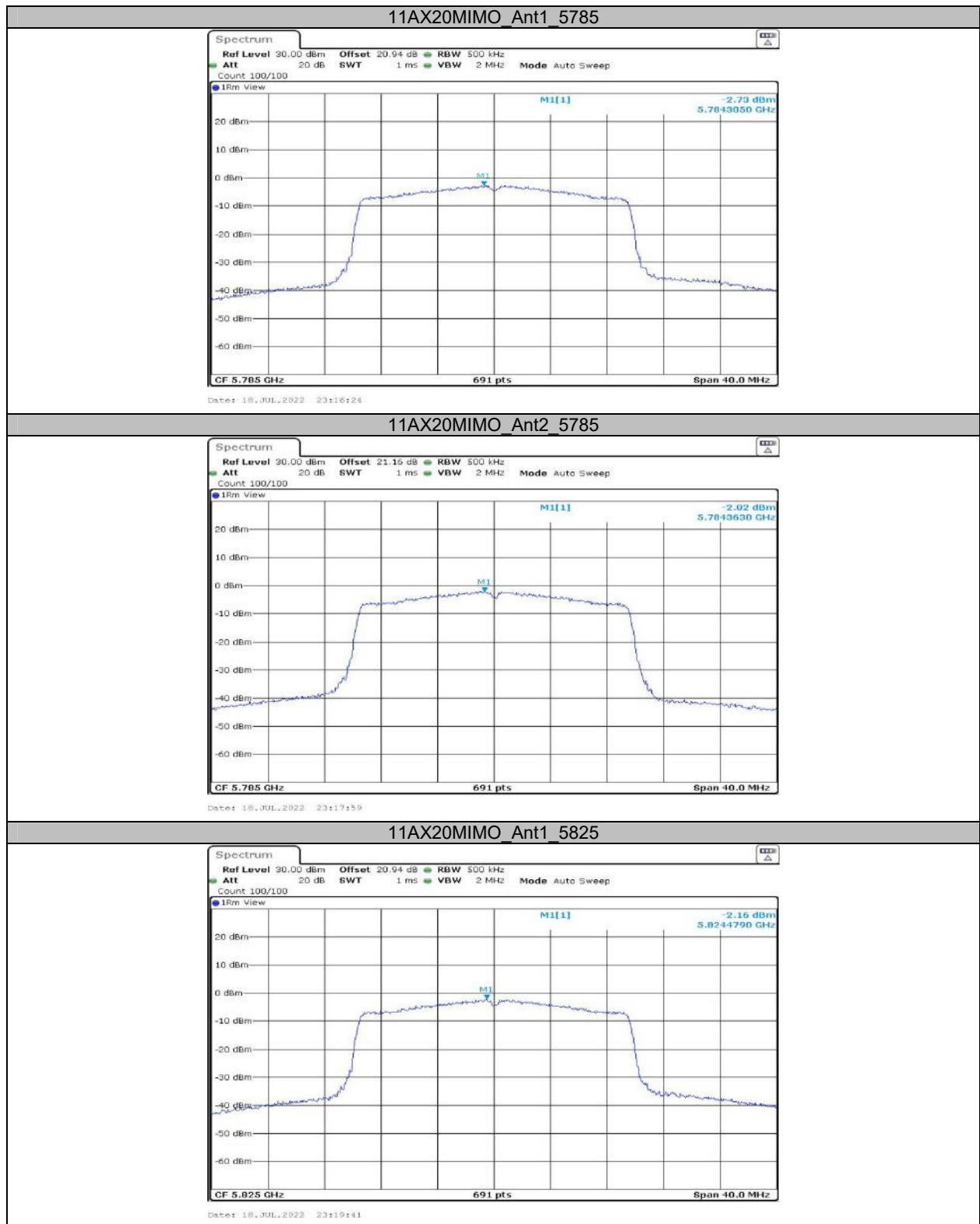


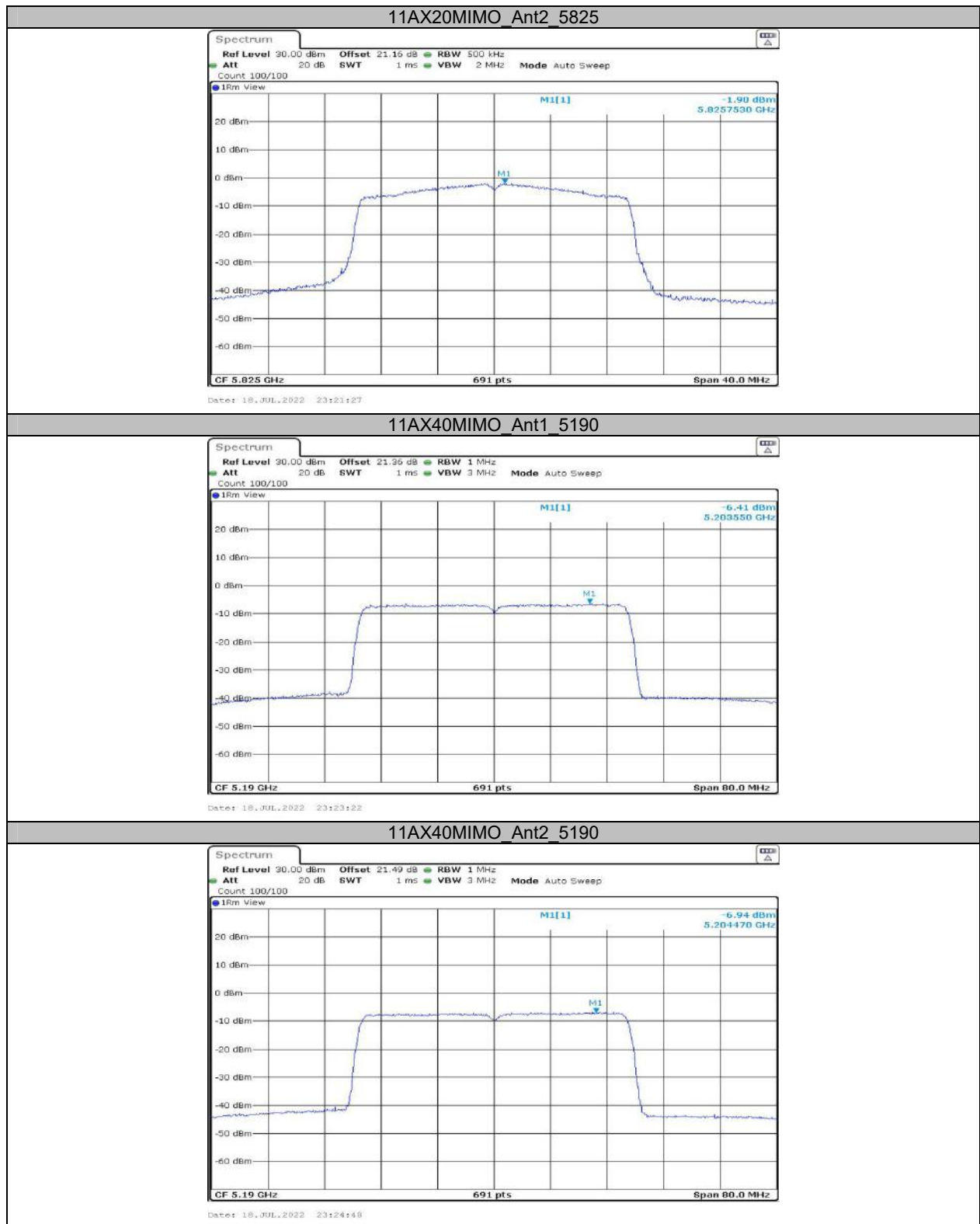


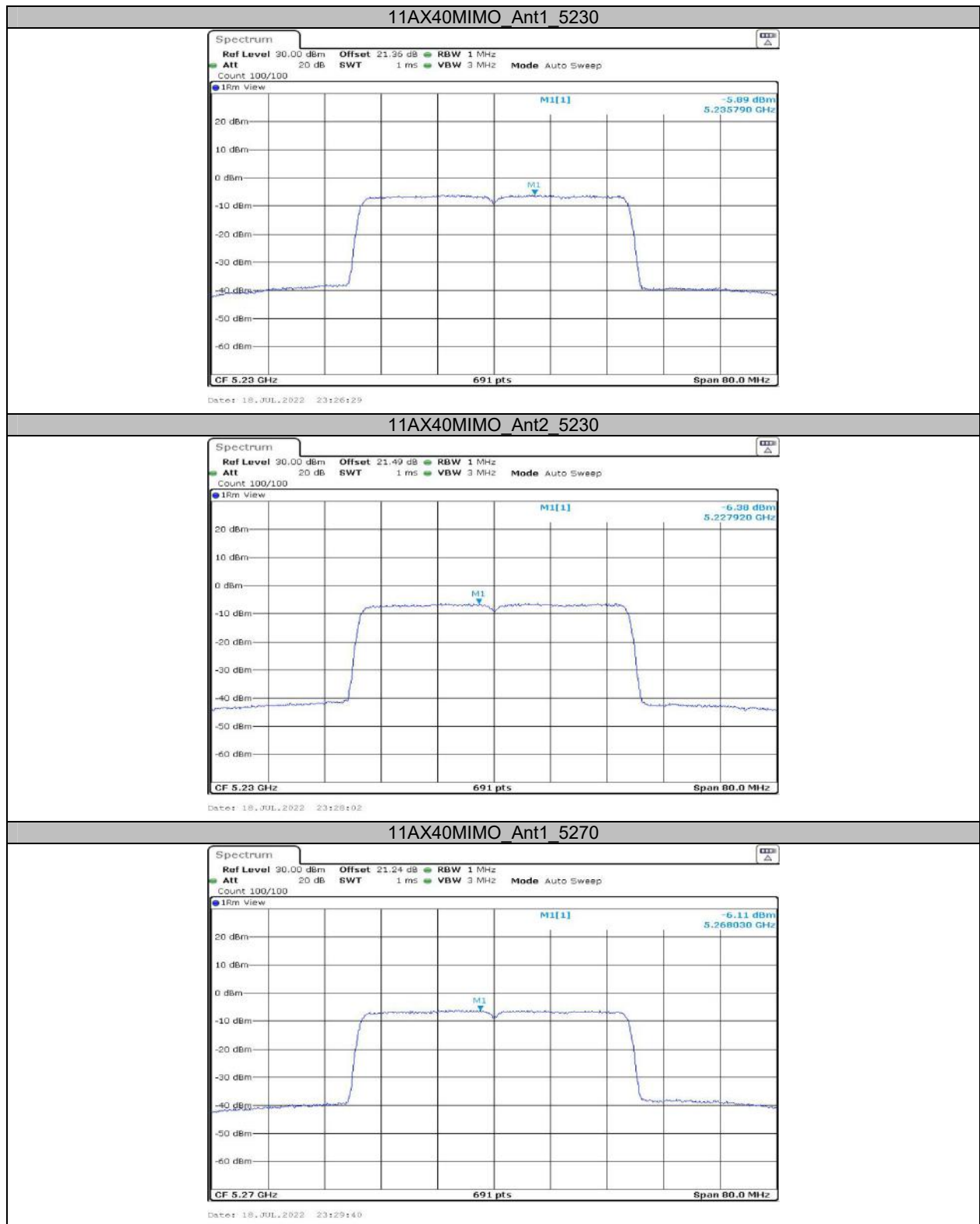


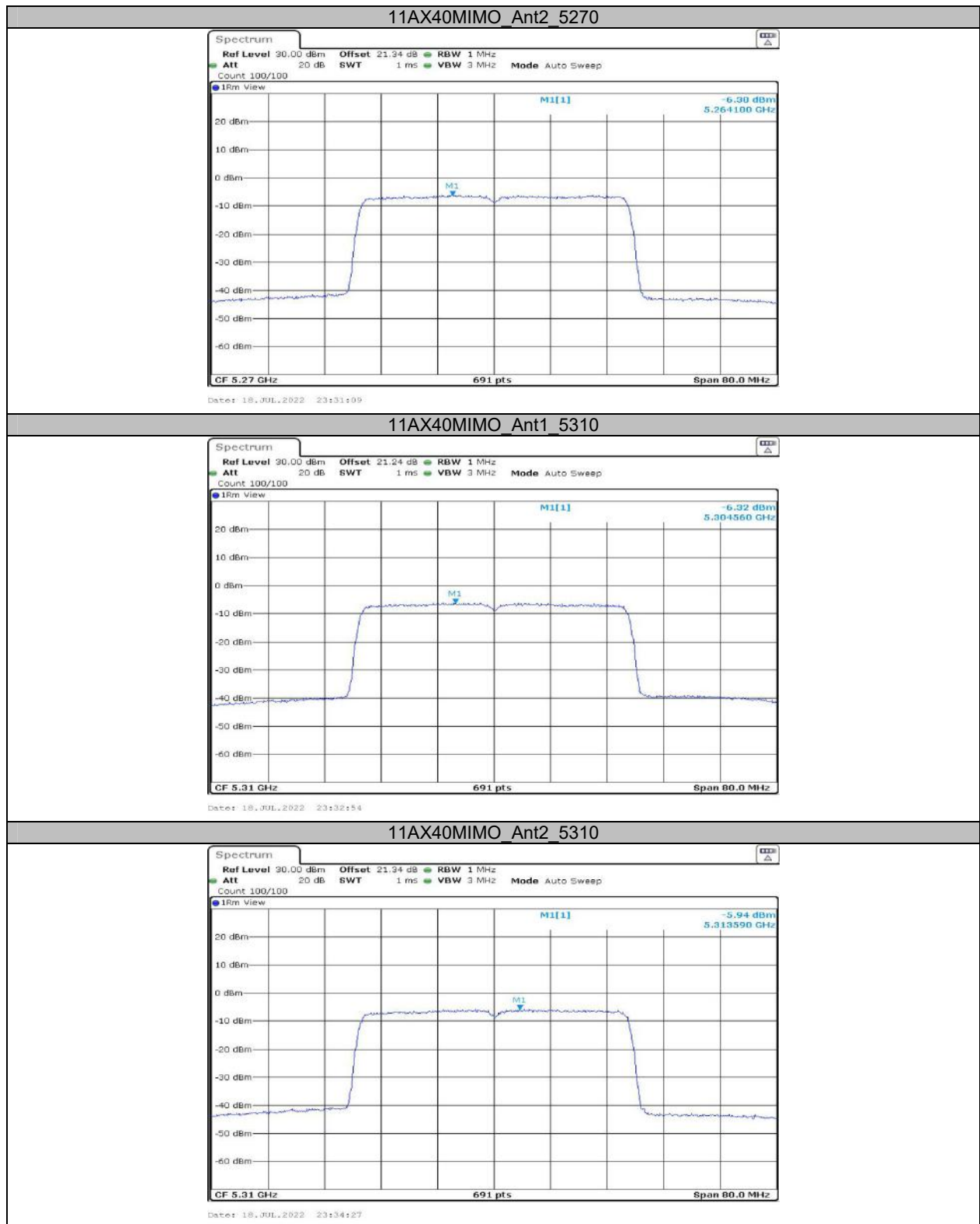


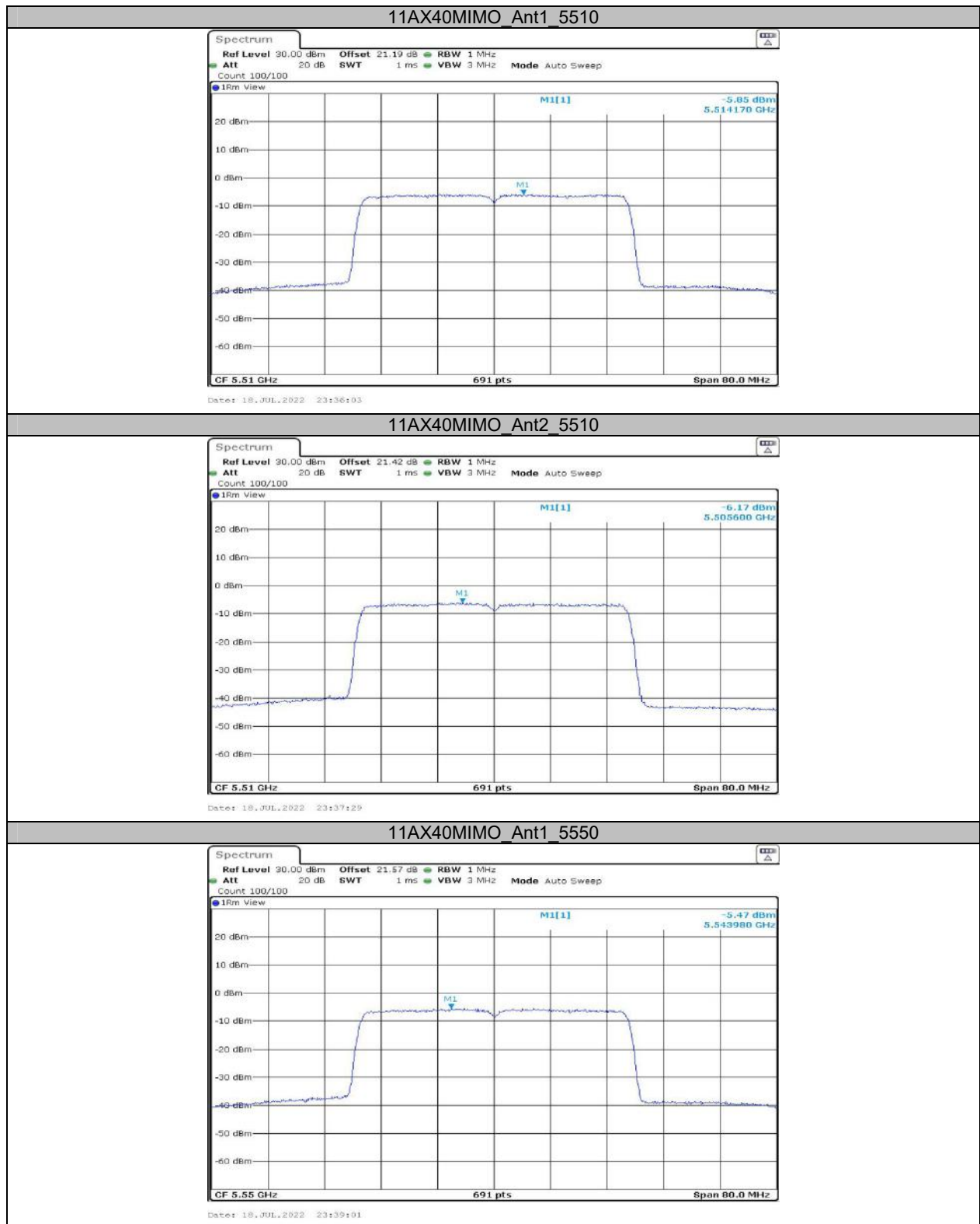


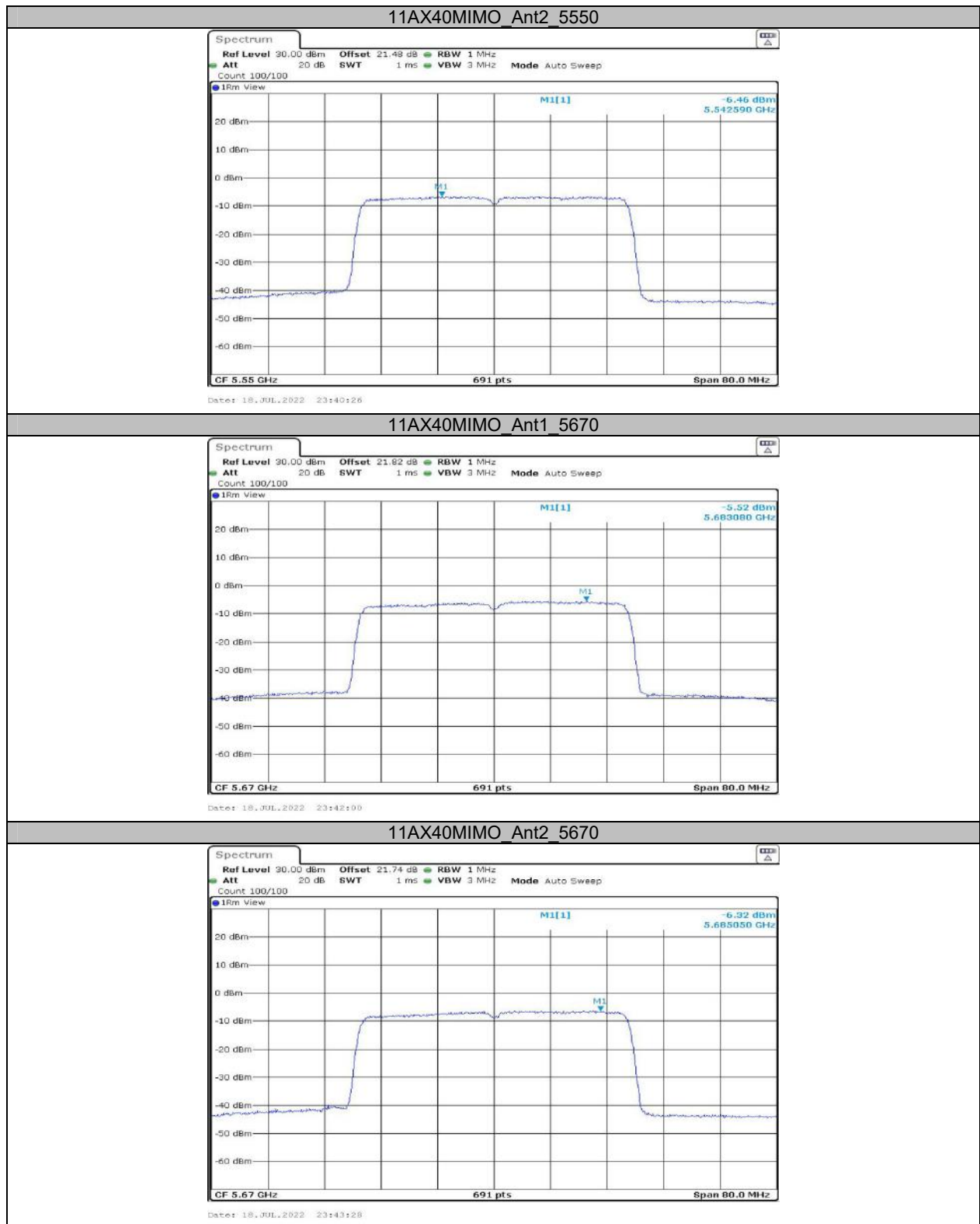


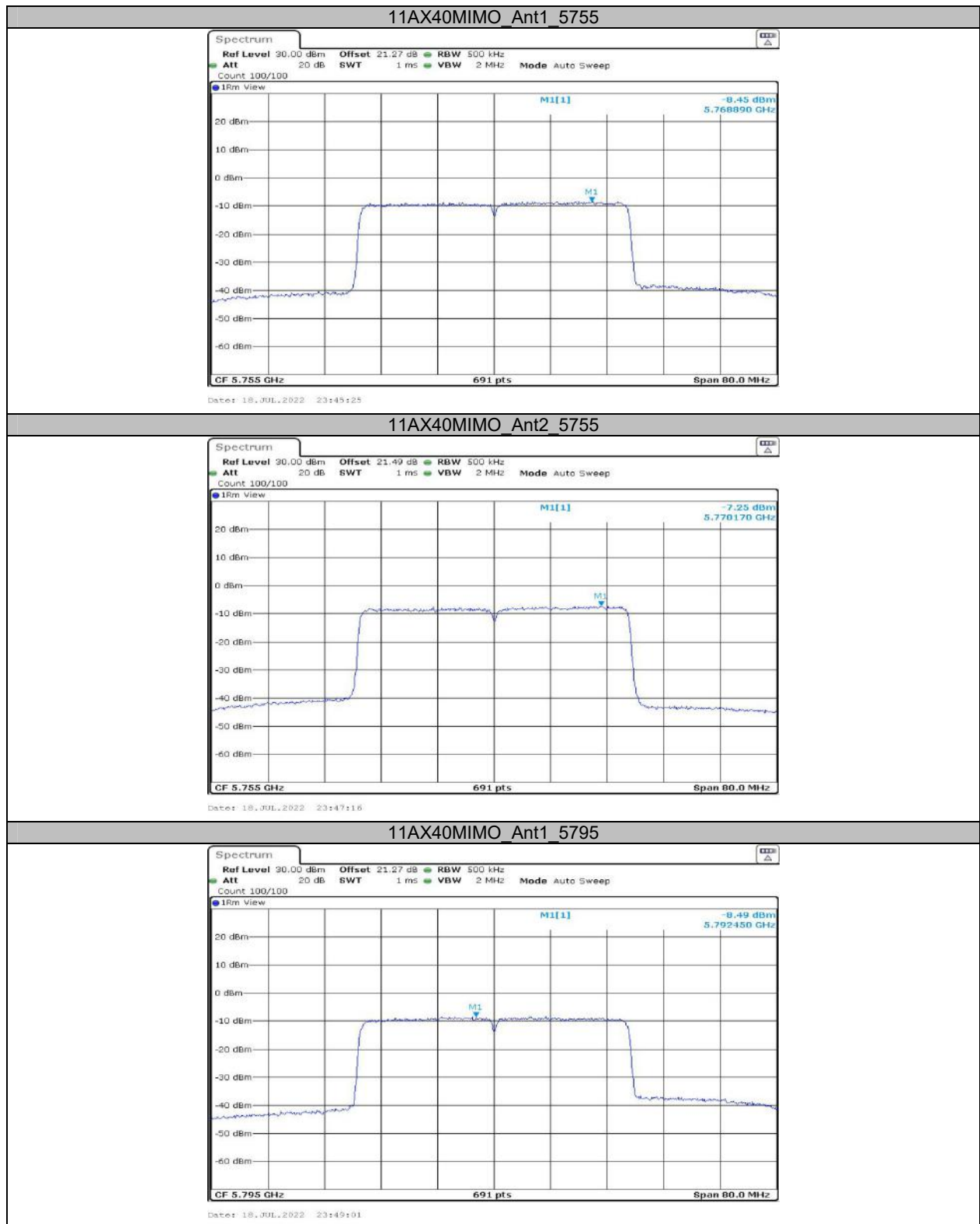


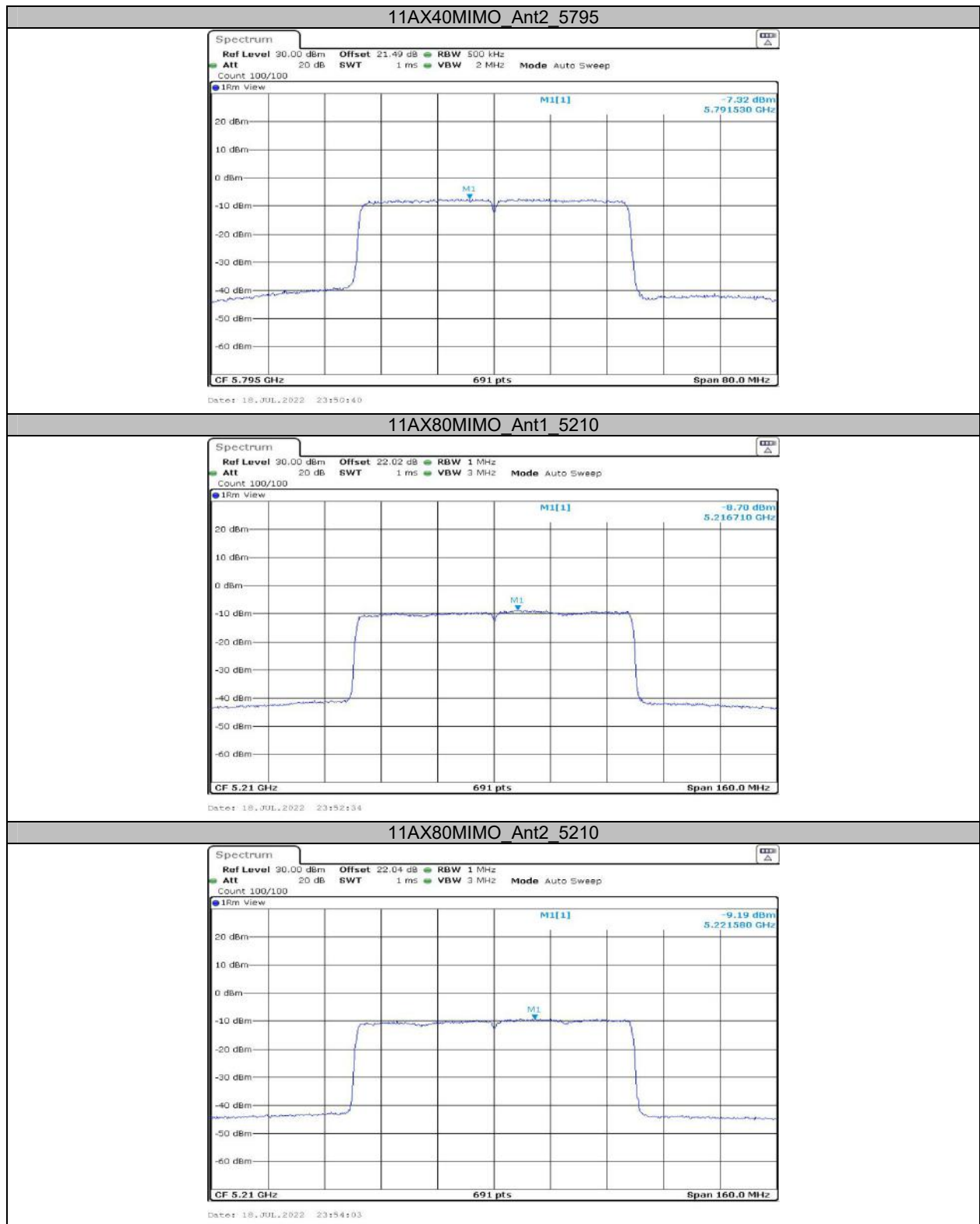


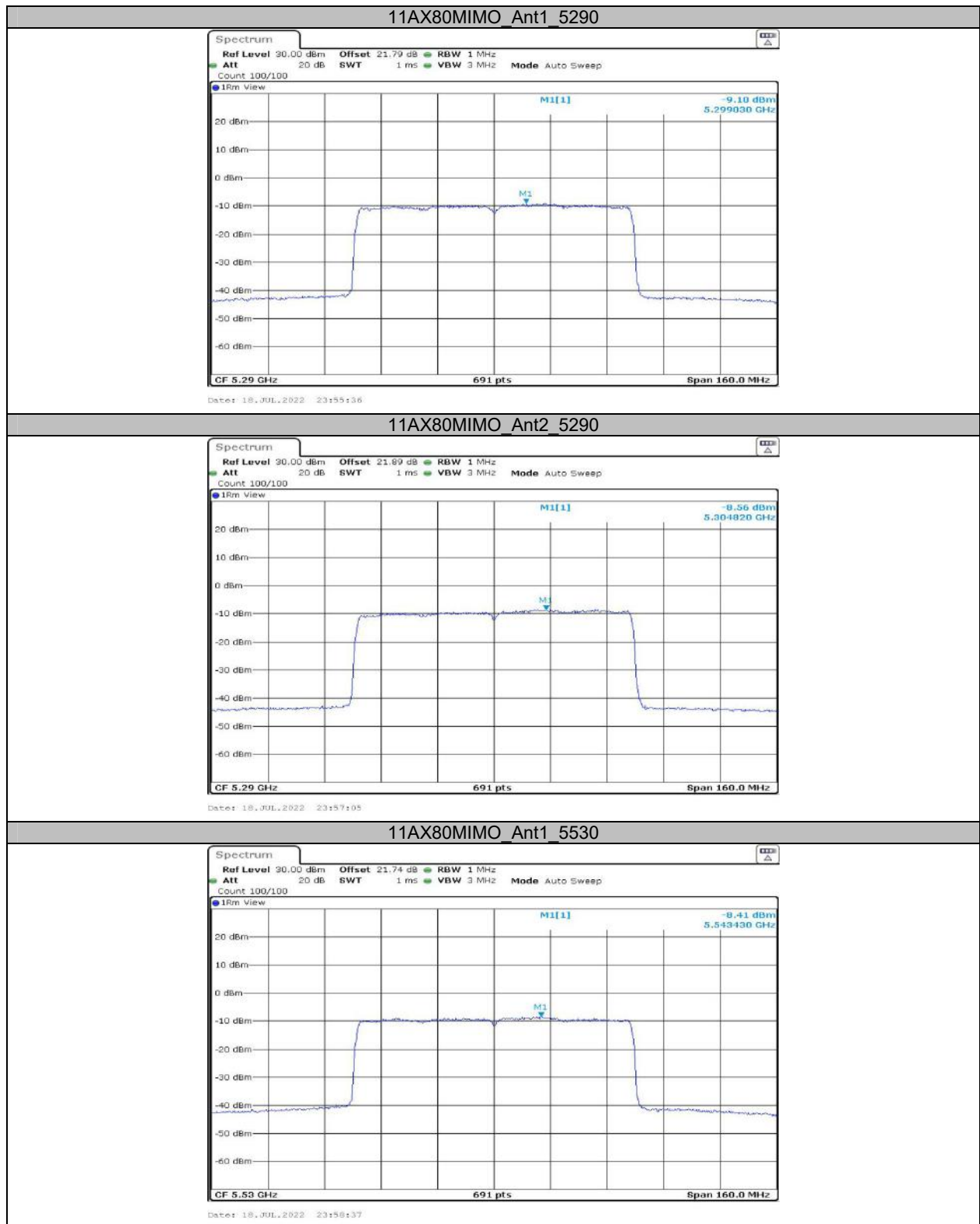


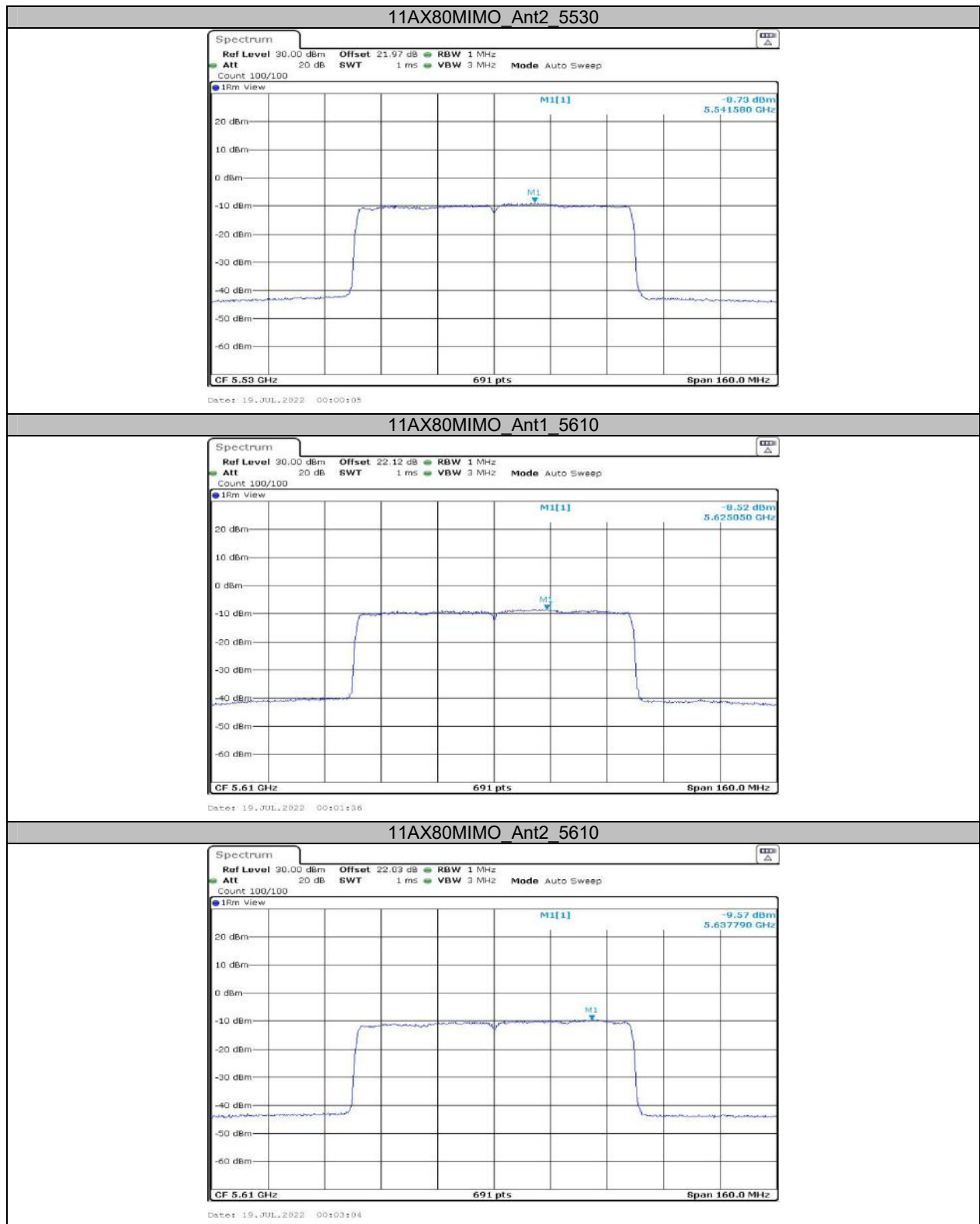


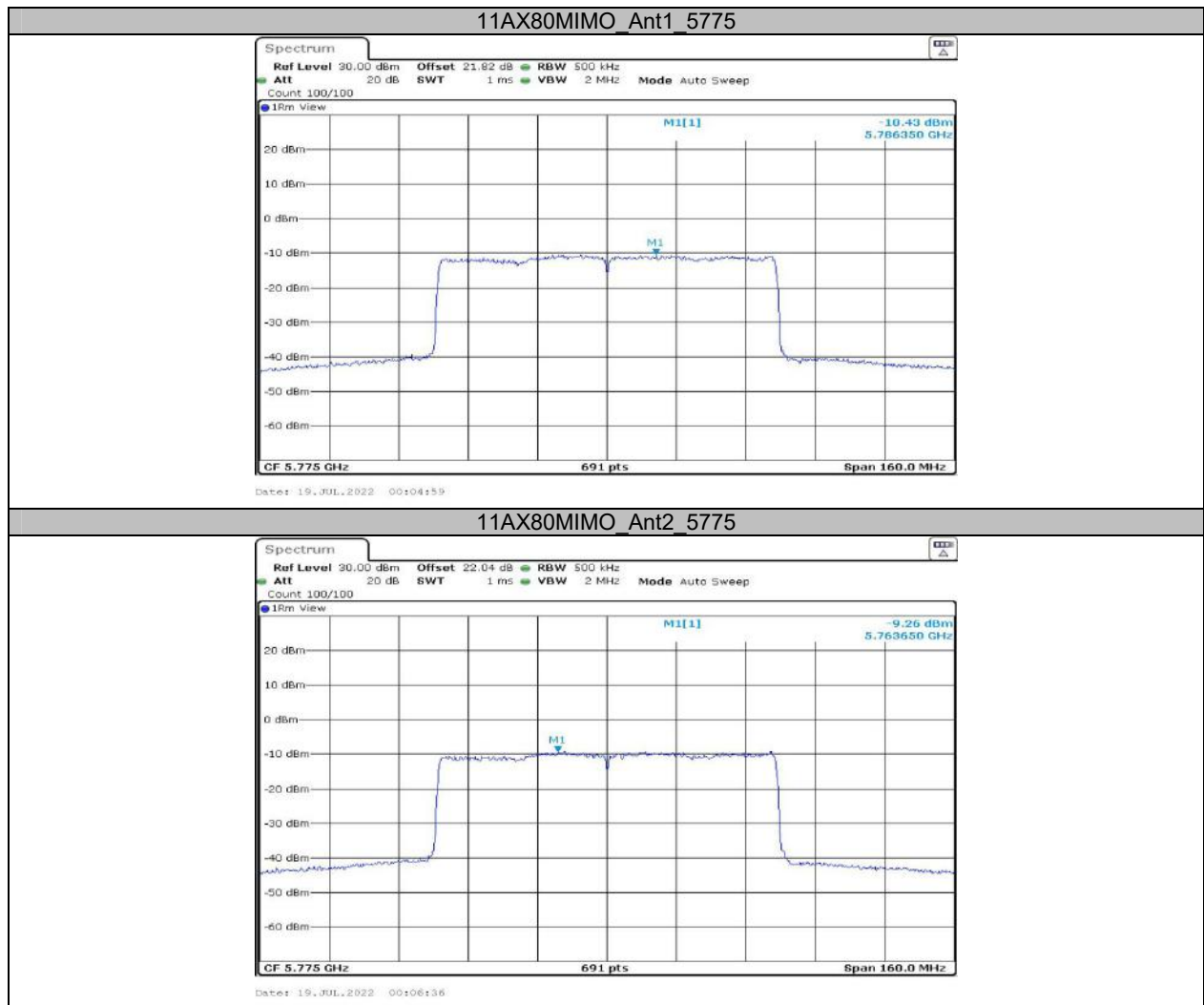












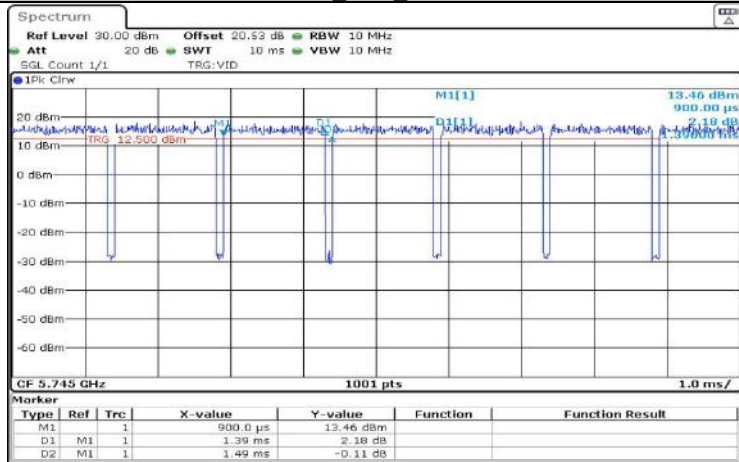
Appendix D: Duty Cycle Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.40	1.50	93.33
	Ant1	5260	1.39	1.49	93.29
	Ant1	5500	1.40	1.50	93.33
	Ant1	5745	1.39	1.49	93.29
11N20MIMO	Ant1	5180	1.30	1.40	92.86
	Ant1	5260	1.30	1.40	92.86
	Ant1	5500	1.30	1.40	92.86
	Ant1	5745	1.30	1.40	92.86
11N40MIMO	Ant1	5190	0.64	0.74	86.49
	Ant1	5270	0.65	0.75	86.67
	Ant1	5510	0.64	0.74	86.49
	Ant1	5755	0.64	0.74	86.49
11AC20MIMO	Ant1	5180	1.31	1.41	92.91
	Ant1	5260	1.31	1.41	92.91
	Ant1	5500	1.31	1.41	92.91
	Ant1	5745	1.31	1.41	92.91
11AC40MIMO	Ant1	5190	0.65	0.75	86.67
	Ant1	5270	0.65	0.75	86.67
	Ant1	5510	0.65	0.75	86.67
	Ant1	5755	0.65	0.75	86.67
11AC80MIMO	Ant1	5210	0.32	0.42	76.19
	Ant1	5290	0.32	0.42	76.19
	Ant1	5530	0.32	0.42	76.19
	Ant1	5775	0.32	0.42	76.19
11AX20MIMO	Ant1	5180	1.02	1.12	91.07
	Ant1	5260	1.02	1.12	91.07
	Ant1	5500	1.02	1.12	91.07
	Ant1	5745	1.02	1.12	91.07
11AX40MIMO	Ant1	5190	0.54	0.64	84.38
	Ant1	5270	0.54	0.64	84.38
	Ant1	5510	0.54	0.64	84.38
	Ant1	5755	0.54	0.64	84.38
11AX80MIMO	Ant1	5210	0.29	0.40	72.50
	Ant1	5290	0.29	0.39	74.36
	Ant1	5530	0.29	0.39	74.36
	Ant1	5775	0.29	0.39	74.36

Test Graphs

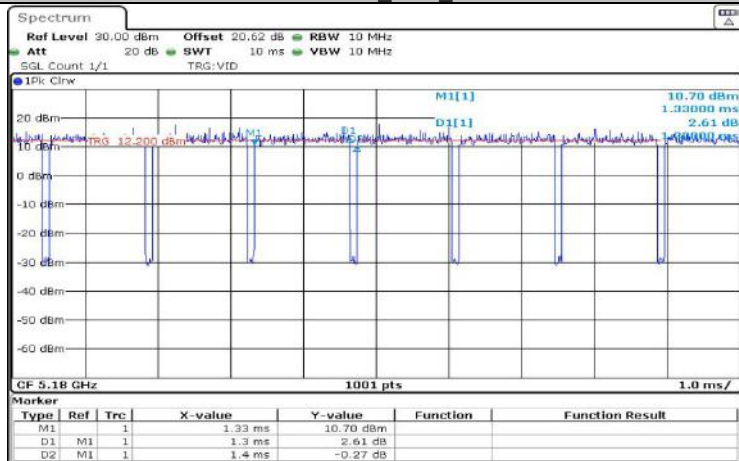


11A_Ant1_5745



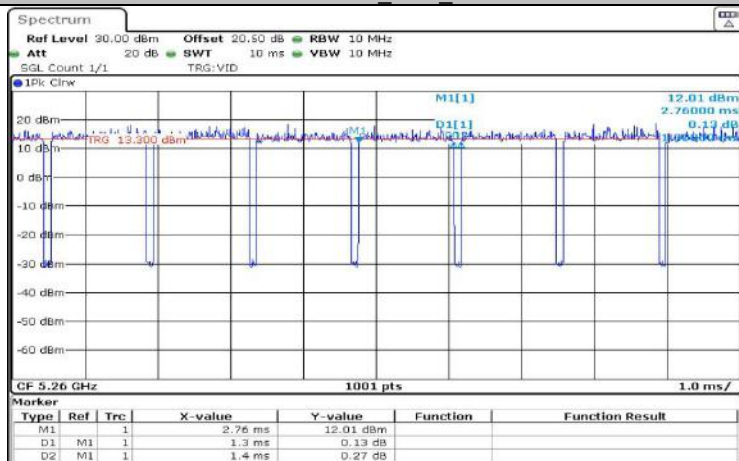
Date: 18 JUL 2022 18:42:34

11N20MIMO_Ant1_5180



Date: 18 JUL 2022 19:02:12

11N20MIMO_Ant1_5260

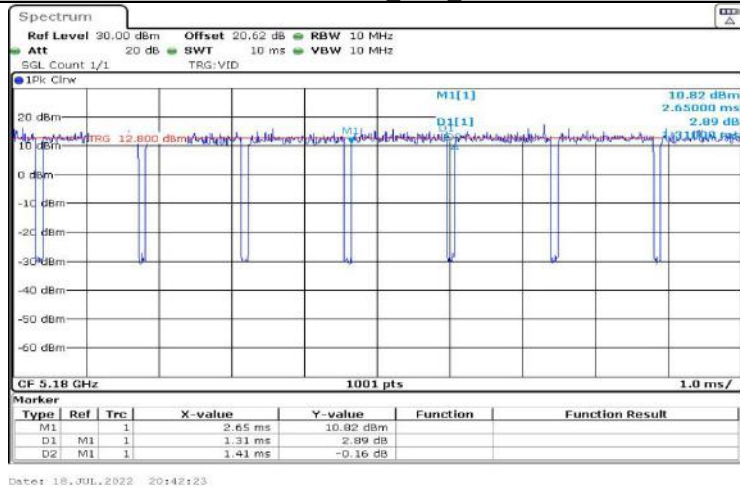


Date: 18 JUL 2022 19:29:05

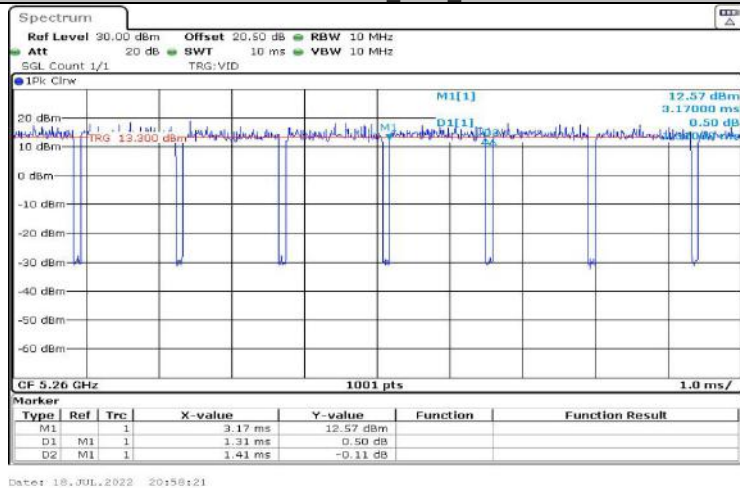




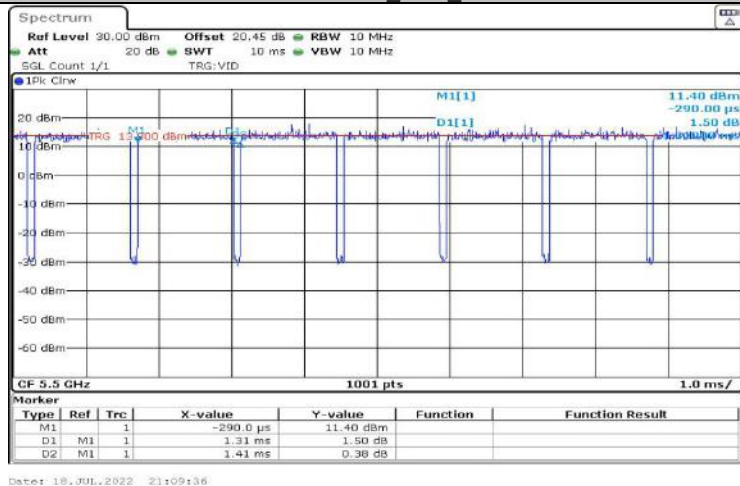
11AC20MIMO Ant1_5180



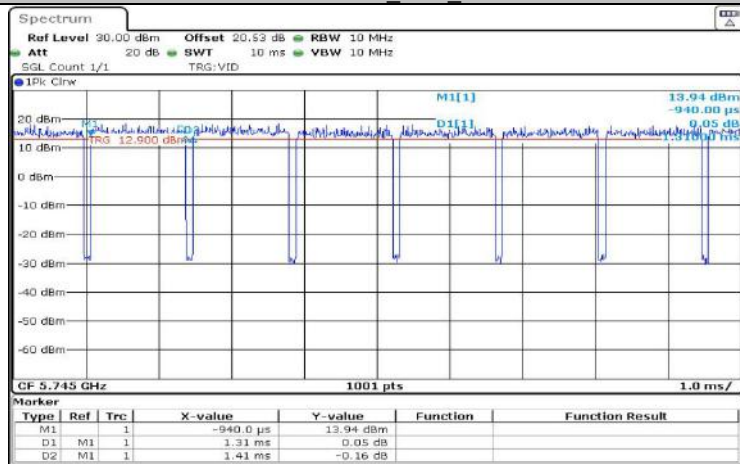
11AC20MIMO Ant1_5260



11AC20MIMO Ant1_5500

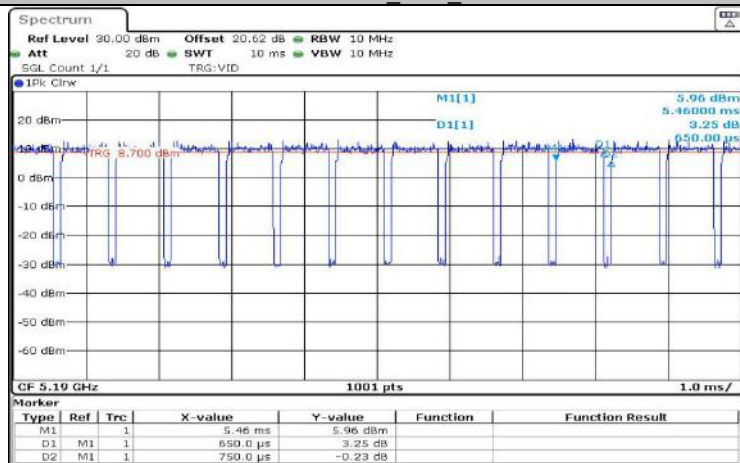


11AC20MIMO Ant1_5745



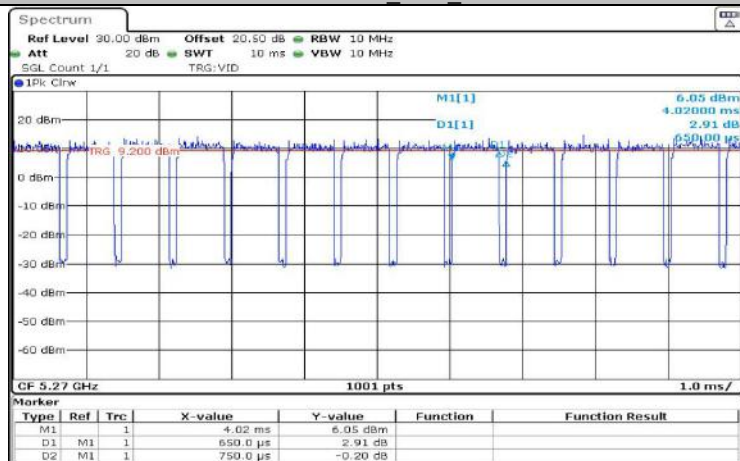
Date: 18 JUL 2022 21:24:28

11AC40MIMO Ant1_5190



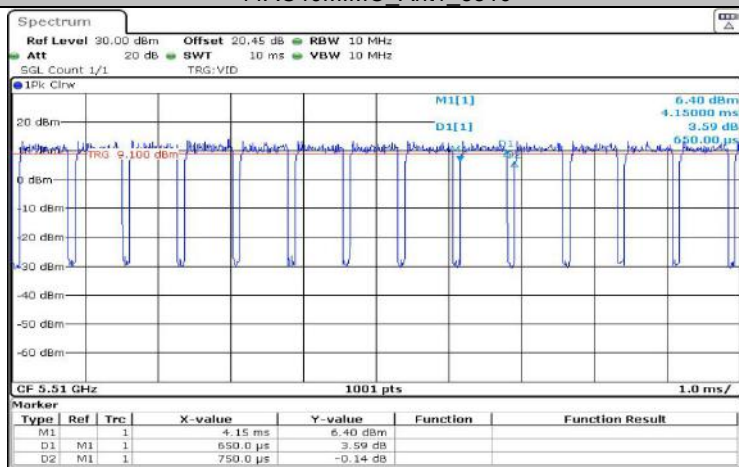
Date: 18 JUL 2022 21:36:57

11AC40MIMO Ant1_5270



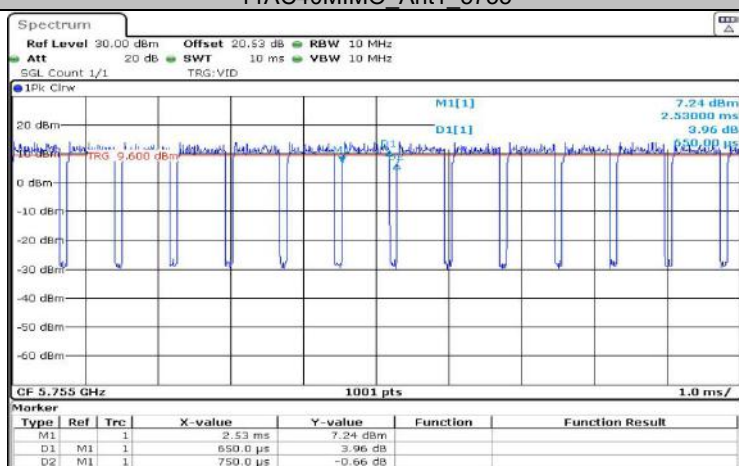
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11AC40MIMO Ant1_5510



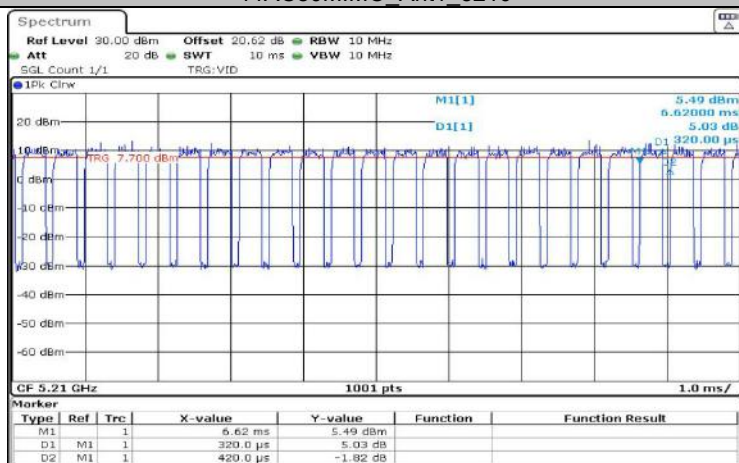
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11AC40MIMO Ant1_5755



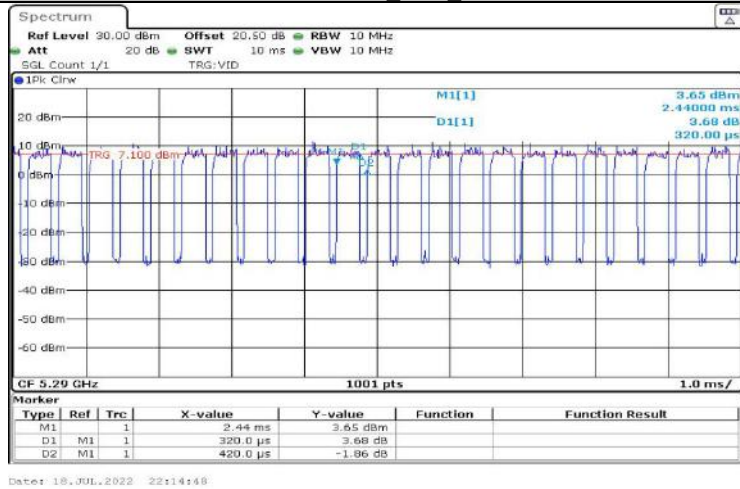
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11AC80MIMO Ant1_5210

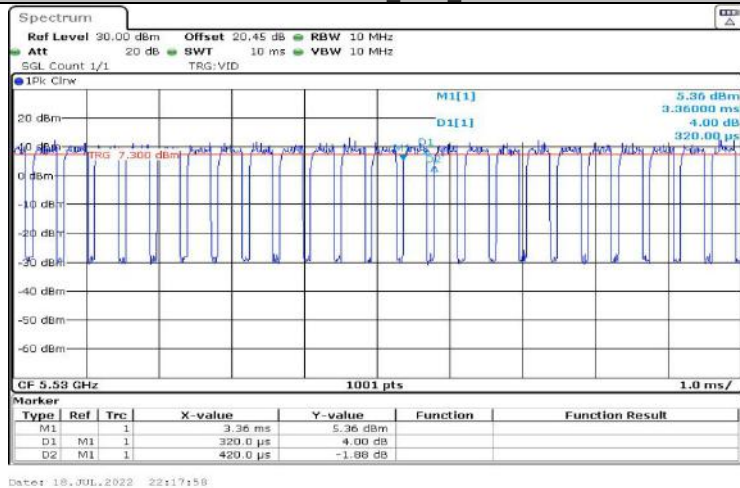


Date: 18.JUL.2022 22:09:56

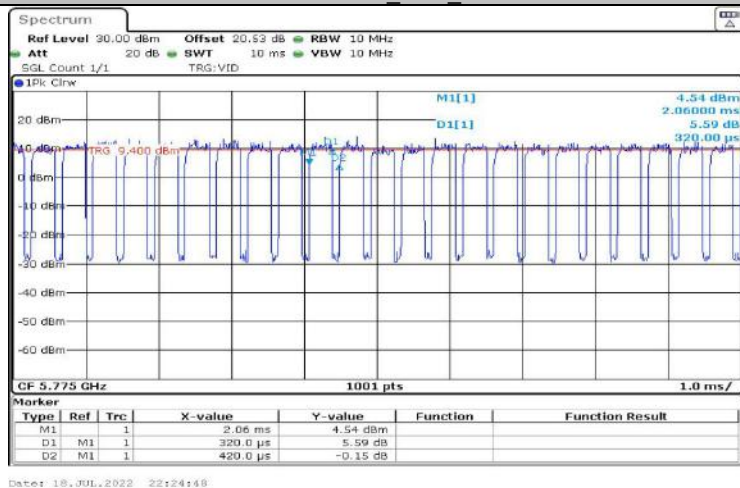
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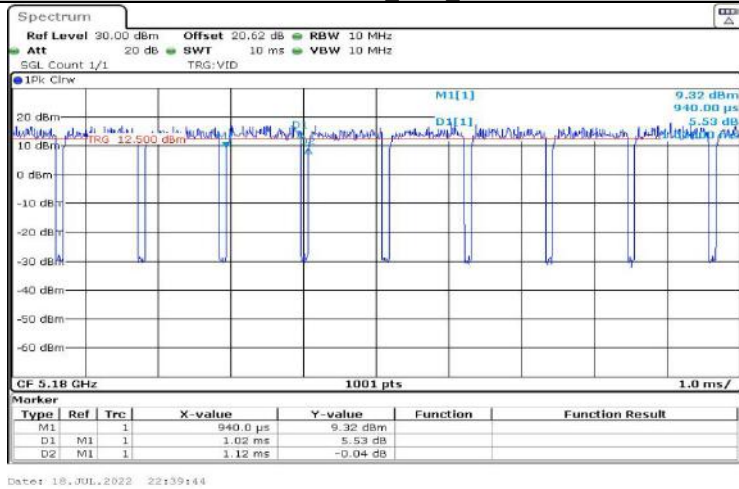
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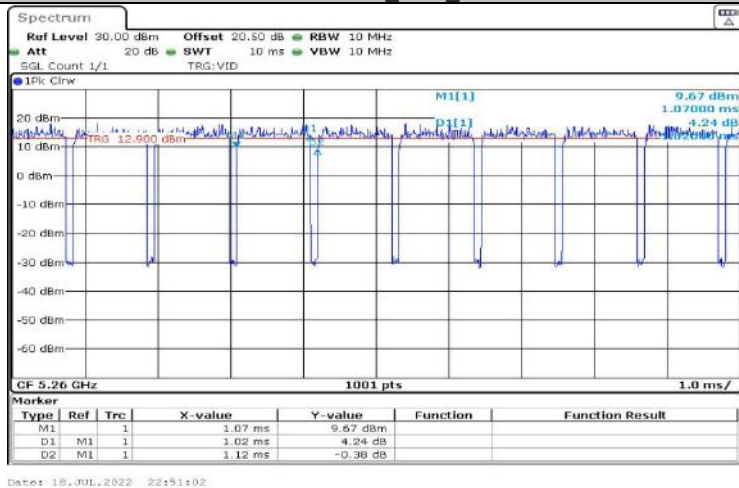
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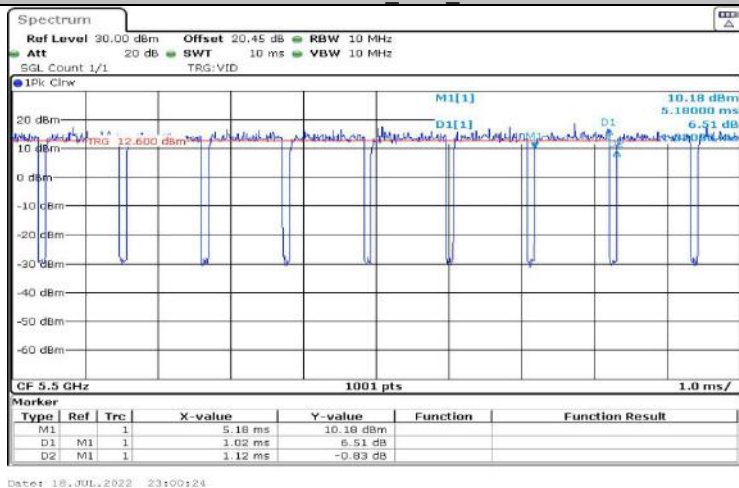
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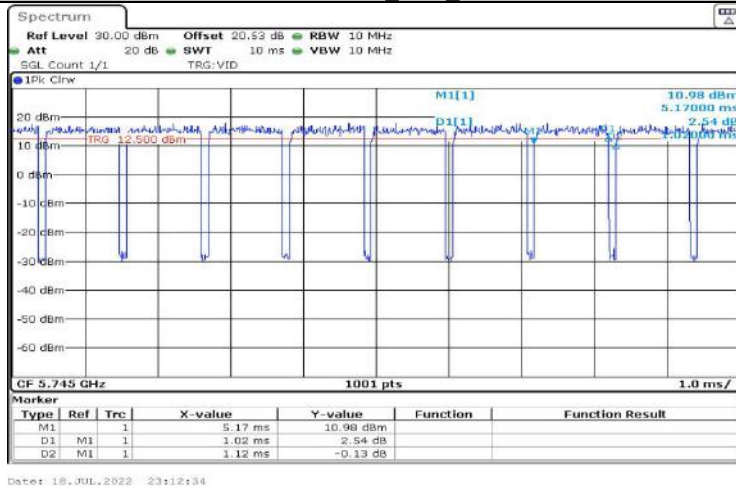
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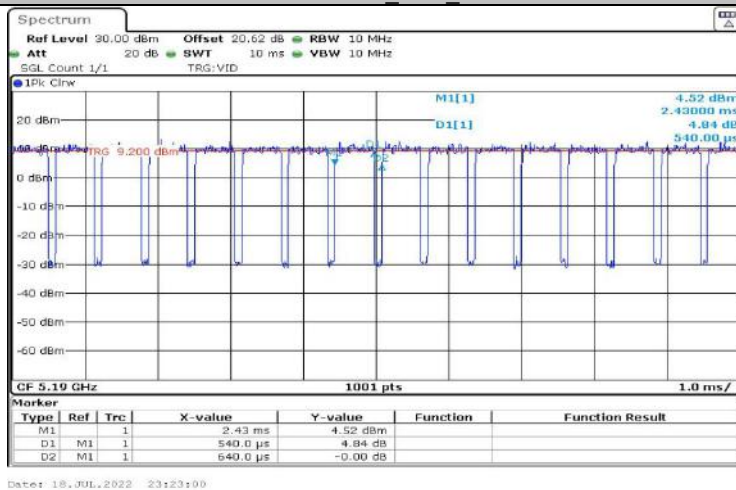
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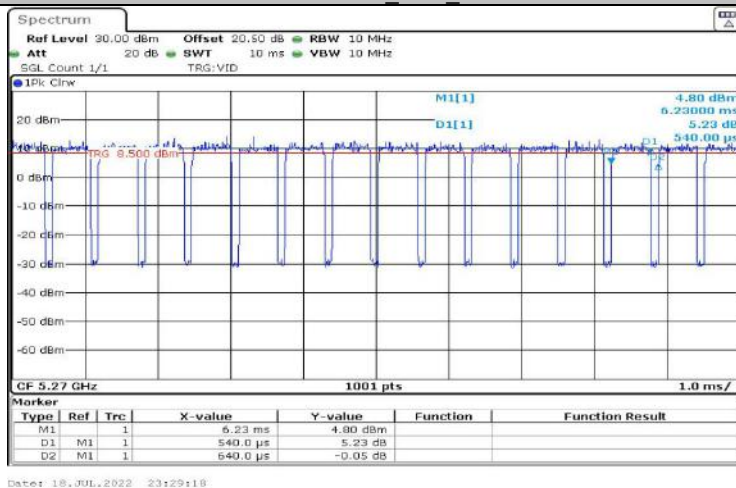
11AX20MIMO_Ant1_5745



11AX40MIMO_Ant1_5190



11AX40MIMO_Ant1_5270







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