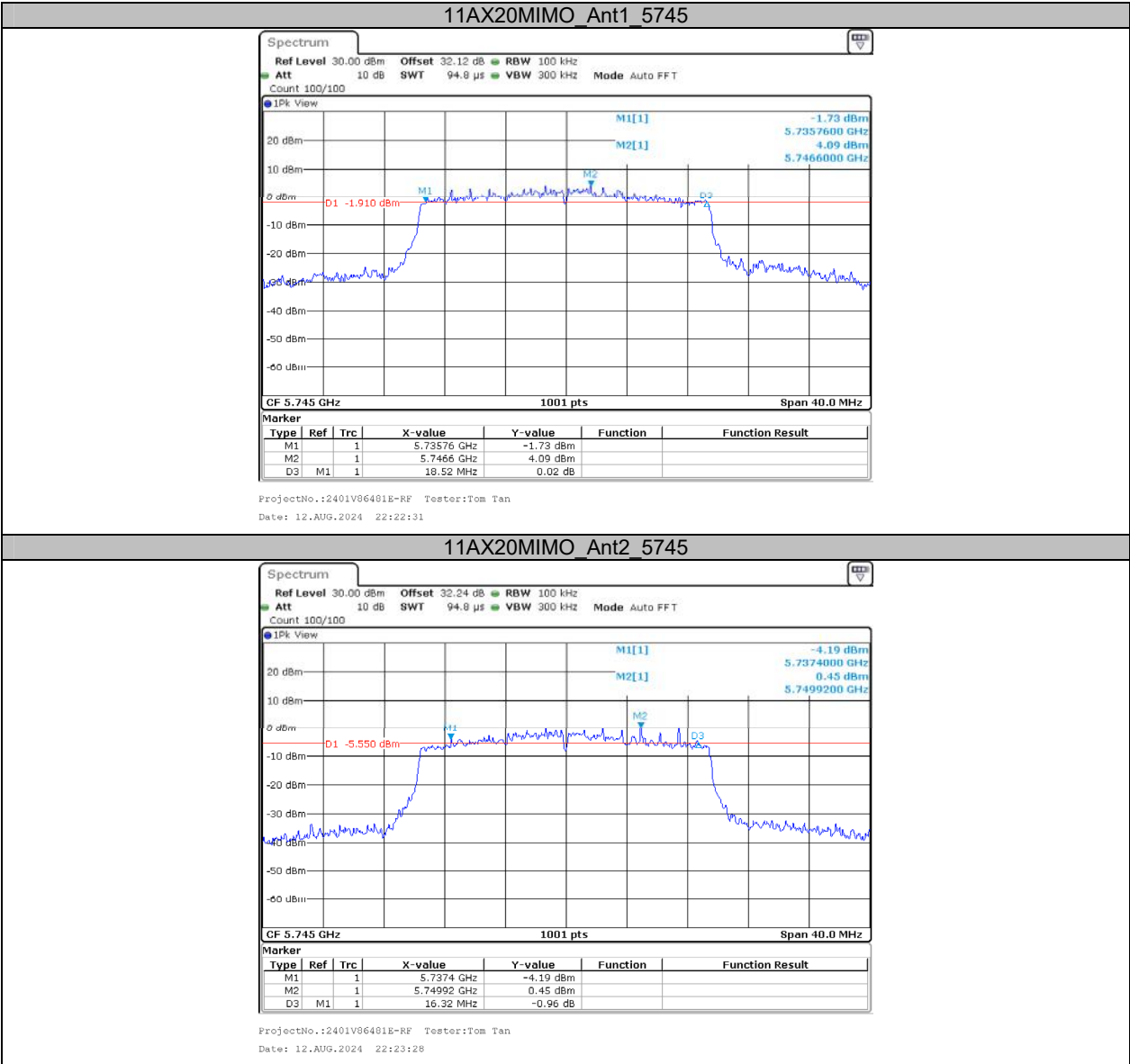
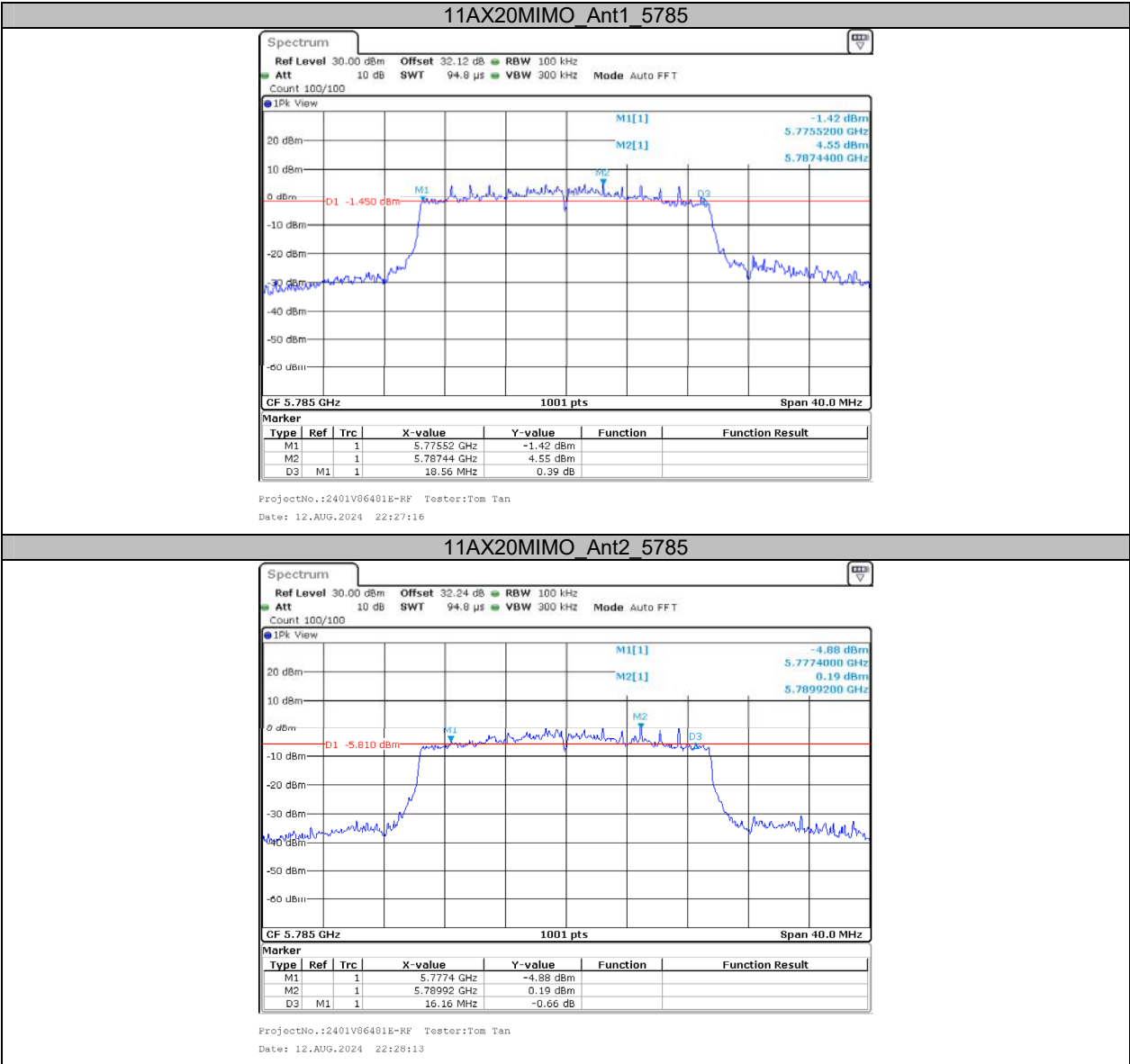
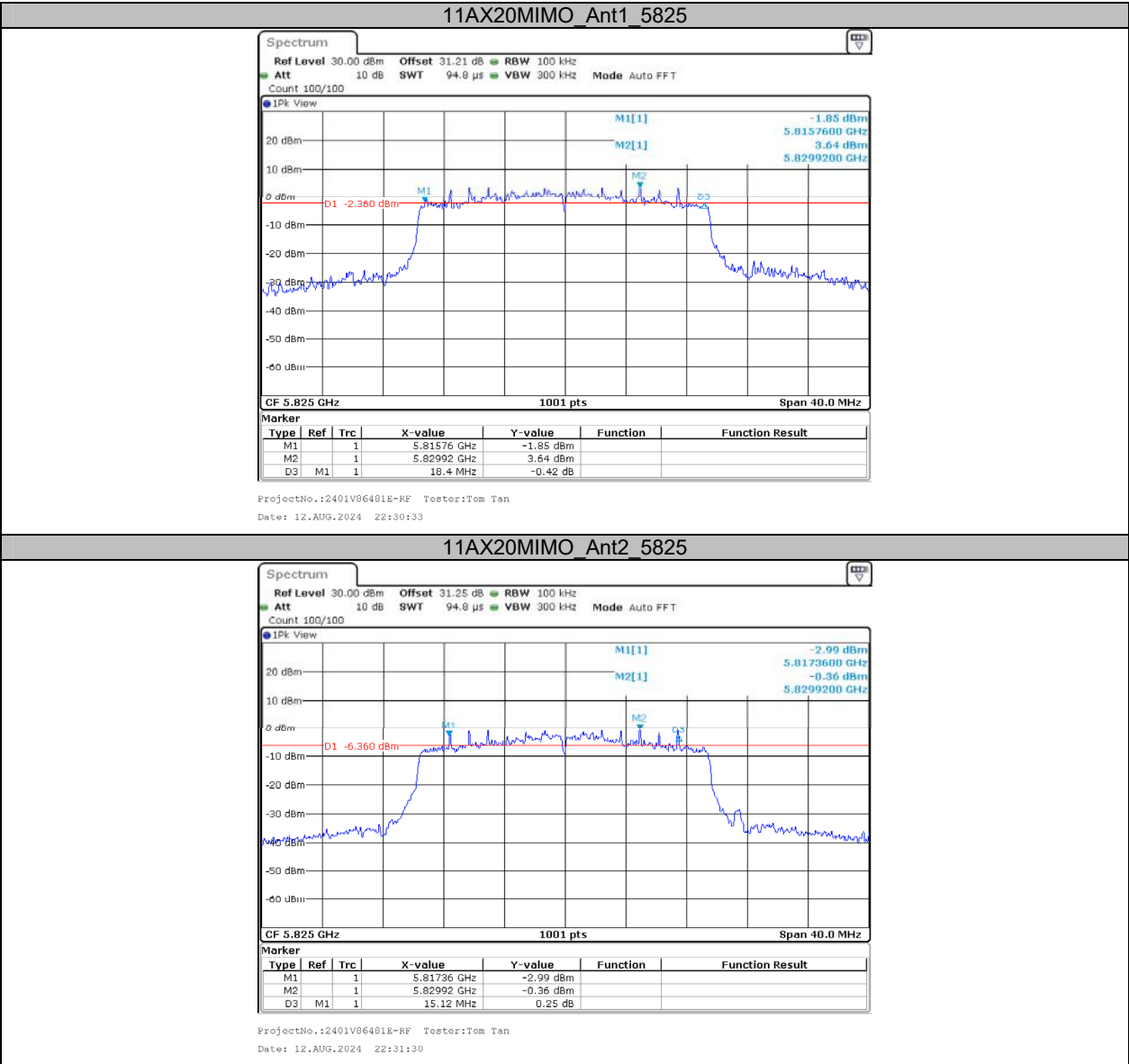
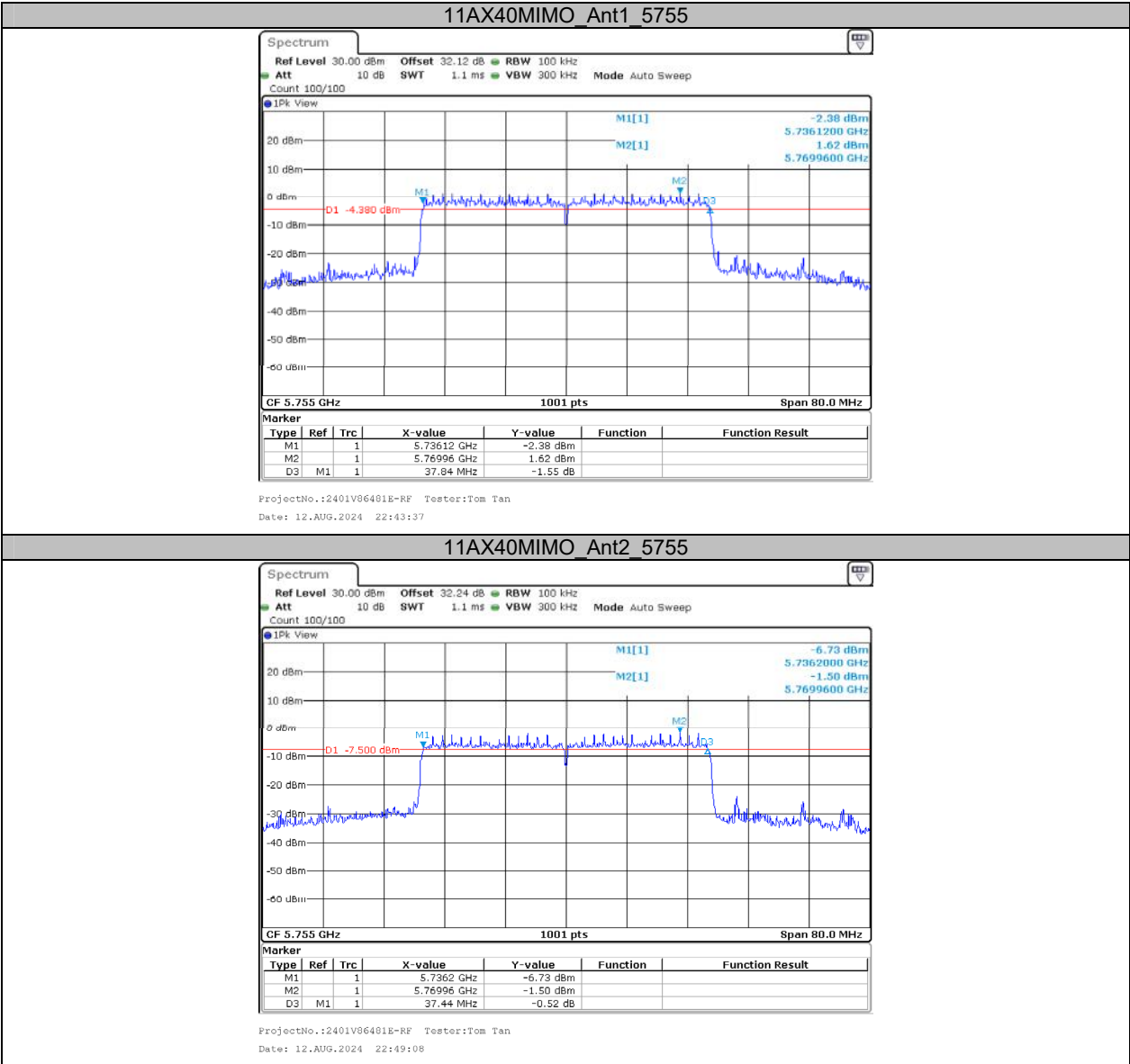
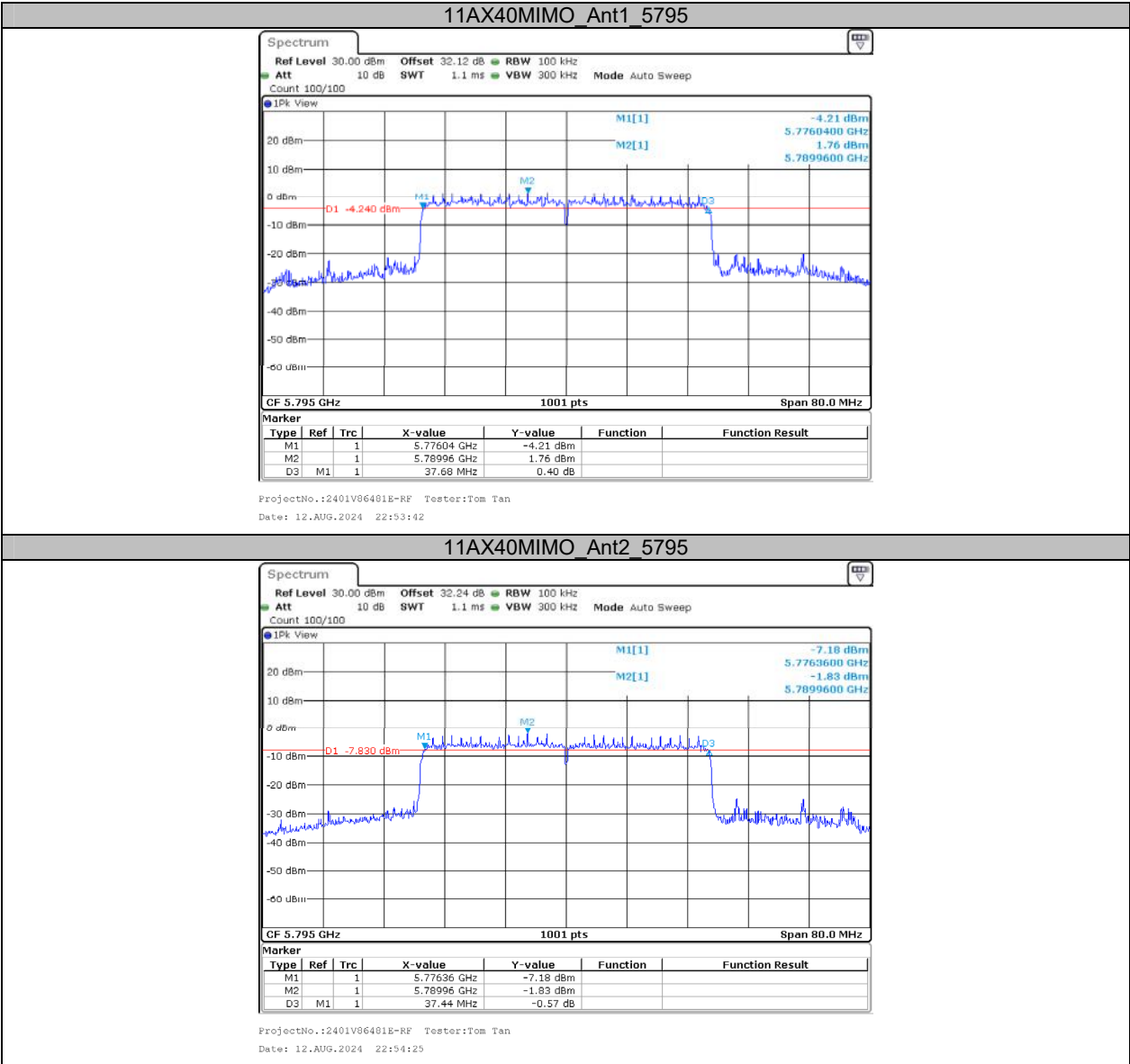


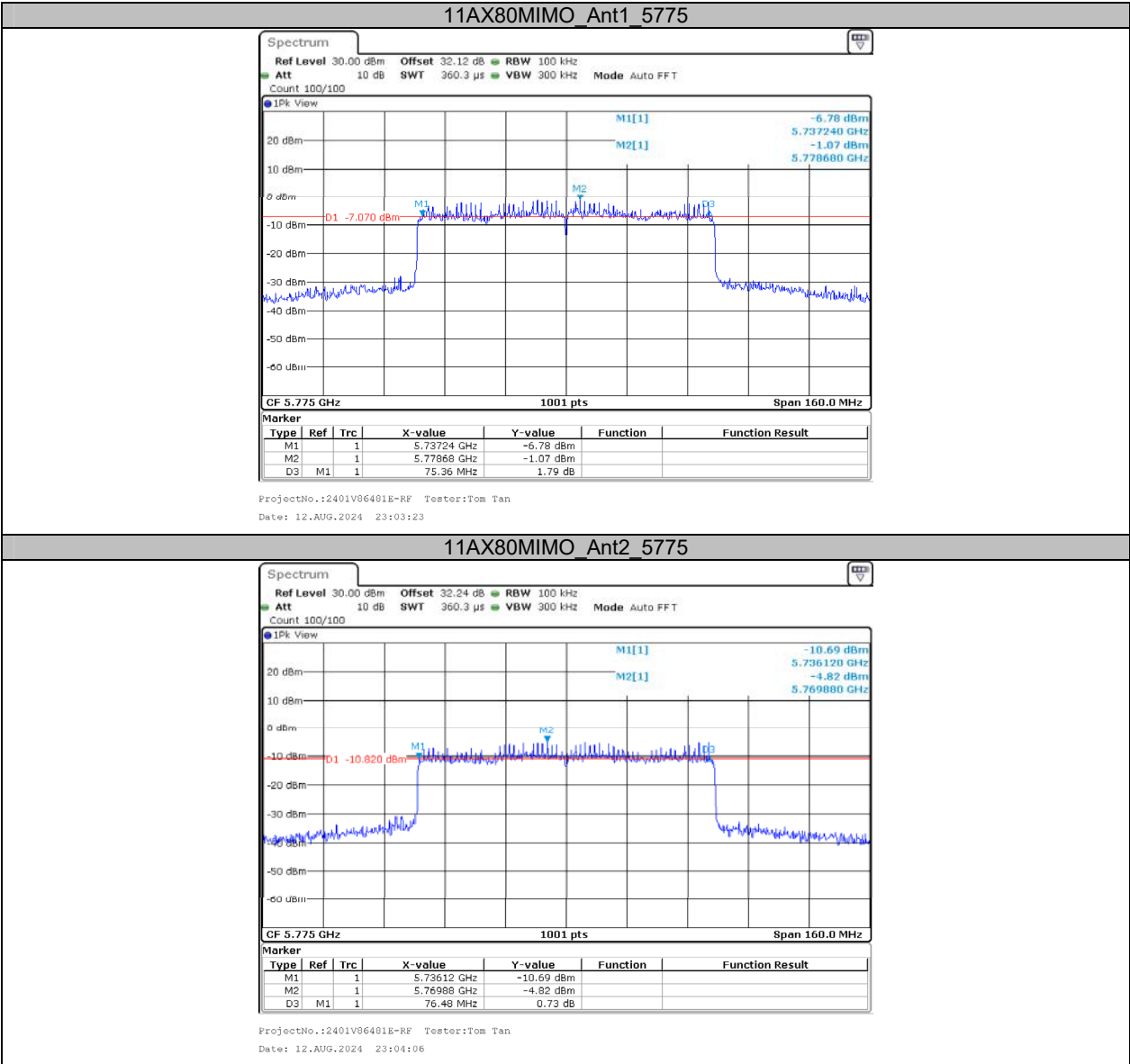












Appendix B: Maximum Conducted Output Power Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A-CDD	Ant1	5180	14.49	≤23.98	PASS
	Ant2	5180	13.76	≤23.98	PASS
	Ant1	5200	13.99	≤23.98	PASS
	Ant2	5200	13.38	≤23.98	PASS
	Ant1	5240	14.23	≤23.98	PASS
	Ant2	5240	13.76	≤23.98	PASS
	Ant1	5745	14.59	≤30.00	PASS
	Ant2	5745	12.29	≤30.00	PASS
	Ant1	5785	15.23	≤30.00	PASS
	Ant2	5785	12.47	≤30.00	PASS
	Ant1	5825	14.69	≤30.00	PASS
	Ant2	5825	12.04	≤30.00	PASS
11AC20MIMO	Ant1	5180	14.38	≤23.98	PASS
	Ant2	5180	13.87	≤23.98	PASS
	total	5180	17.14	≤23.98	PASS
	Ant1	5200	13.98	≤23.98	PASS
	Ant2	5200	13.59	≤23.98	PASS
	total	5200	16.80	≤23.98	PASS
	Ant1	5240	14.26	≤23.98	PASS
	Ant2	5240	13.80	≤23.98	PASS
	total	5240	17.05	≤23.98	PASS
	Ant1	5745	14.57	≤30.00	PASS
	Ant2	5745	12.10	≤30.00	PASS
	total	5745	16.52	≤30.00	PASS
	Ant1	5785	15.04	≤30.00	PASS
	Ant2	5785	12.43	≤30.00	PASS
	total	5785	16.94	≤30.00	PASS
	Ant1	5825	14.69	≤30.00	PASS
	Ant2	5825	11.94	≤30.00	PASS
	total	5825	16.54	≤30.00	PASS
11AC40MIMO	Ant1	5190	14.16	≤23.98	PASS
	Ant2	5190	13.73	≤23.98	PASS
	total	5190	16.96	≤23.98	PASS
	Ant1	5230	14.04	≤23.98	PASS
	Ant2	5230	13.87	≤23.98	PASS
	total	5230	16.97	≤23.98	PASS
	Ant1	5755	14.57	≤30.00	PASS
	Ant2	5755	12.51	≤30.00	PASS
	total	5755	16.67	≤30.00	PASS
	Ant1	5795	14.70	≤30.00	PASS
	Ant2	5795	12.28	≤30.00	PASS
	total	5795	16.67	≤30.00	PASS
11AC80MIMO	Ant1	5210	13.85	≤23.98	PASS
	Ant2	5210	13.37	≤23.98	PASS
	total	5210	16.63	≤23.98	PASS
	Ant1	5775	14.63	≤30.00	PASS
	Ant2	5775	12.39	≤30.00	PASS
	total	5775	16.66	≤30.00	PASS

11AX20MIMO	Ant1	5180	14.39	≤23.98	PASS
	Ant2	5180	14.08	≤23.98	PASS
	total	5180	17.25	≤23.98	PASS
	Ant1	5200	14.27	≤23.98	PASS
	Ant2	5200	13.67	≤23.98	PASS
	total	5200	16.99	≤23.98	PASS
	Ant1	5240	14.22	≤23.98	PASS
	Ant2	5240	13.97	≤23.98	PASS
	total	5240	17.11	≤23.98	PASS
	Ant1	5745	14.63	≤30.00	PASS
	Ant2	5745	12.24	≤30.00	PASS
	total	5745	16.61	≤30.00	PASS
	Ant1	5785	15.18	≤30.00	PASS
	Ant2	5785	12.19	≤30.00	PASS
	total	5785	16.95	≤30.00	PASS
	Ant1	5825	14.83	≤30.00	PASS
	Ant2	5825	11.88	≤30.00	PASS
	total	5825	16.61	≤30.00	PASS
11AX40MIMO	Ant1	5190	14.40	≤23.98	PASS
	Ant2	5190	13.46	≤23.98	PASS
	total	5190	16.97	≤23.98	PASS
	Ant1	5230	14.21	≤23.98	PASS
	Ant2	5230	13.65	≤23.98	PASS
	total	5230	16.95	≤23.98	PASS
	Ant1	5755	14.59	≤30.00	PASS
	Ant2	5755	12.53	≤30.00	PASS
	total	5755	16.69	≤30.00	PASS
	Ant1	5795	14.84	≤30.00	PASS
11AX80MIMO	Ant2	5795	12.25	≤30.00	PASS
	total	5795	16.75	≤30.00	PASS
	Ant1	5210	13.95	≤23.98	PASS
	Ant2	5210	13.75	≤23.98	PASS
	total	5210	16.86	≤23.98	PASS
	Ant1	5775	14.90	≤30.00	PASS
Note: 1. The EUT is a client device.					
2. The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:					
Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$					
Antenna Gain:	4.3	dBi	Directional gain:	4.3	dBi

Appendix C: Maximum Power Spectral Density**Test Result**

Test Mode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A-CDD	Ant1	5180	3.45	≤11.00	PASS
	Ant2	5180	2.45	≤11.00	PASS
	Ant1	5200	2.76	≤11.00	PASS
	Ant2	5200	2.48	≤11.00	PASS
	Ant1	5240	3.14	≤11.00	PASS
	Ant2	5240	2.83	≤11.00	PASS
	Ant1	5745	1.31	≤30.00	PASS
	Ant2	5745	-1.53	≤30.00	PASS
	Ant1	5785	1.53	≤30.00	PASS
	Ant2	5785	-1.57	≤30.00	PASS
	Ant1	5825	0.82	≤30.00	PASS
	Ant2	5825	-2.13	≤30.00	PASS
11AC20MIMO	Ant1	5180	4.02	≤9.7	PASS
	Ant2	5180	3.43	≤9.7	PASS
	total	5180	6.75	≤9.7	PASS
	Ant1	5200	3.64	≤9.7	PASS
	Ant2	5200	3.16	≤9.7	PASS
	total	5200	6.42	≤9.7	PASS
	Ant1	5240	3.62	≤9.7	PASS
	Ant2	5240	3.18	≤9.7	PASS
	total	5240	6.42	≤9.7	PASS
	Ant1	5745	1.35	≤28.7	PASS
	Ant2	5745	-1.34	≤28.7	PASS
	total	5745	3.22	≤28.7	PASS
	Ant1	5785	1.86	≤28.7	PASS
	Ant2	5785	-0.71	≤28.7	PASS
	total	5785	3.77	≤28.7	PASS
	Ant1	5825	1.51	≤28.7	PASS
	Ant2	5825	-1.06	≤28.7	PASS
	total	5825	3.42	≤28.7	PASS
11AC40MIMO	Ant1	5190	-0.30	≤9.7	PASS
	Ant2	5190	-0.87	≤9.7	PASS
	total	5190	2.43	≤9.7	PASS
	Ant1	5230	-0.41	≤9.7	PASS
	Ant2	5230	-0.63	≤9.7	PASS
	total	5230	2.49	≤9.7	PASS
	Ant1	5755	-2.76	≤28.7	PASS
	Ant2	5755	-4.76	≤28.7	PASS
	total	5755	-0.64	≤28.7	PASS
	Ant1	5795	-2.59	≤28.7	PASS
	Ant2	5795	-5.09	≤28.7	PASS
	total	5795	-0.65	≤28.7	PASS
11AC80MIMO	Ant1	5210	-3.42	≤9.7	PASS
	Ant2	5210	-3.56	≤9.7	PASS
	total	5210	-0.48	≤9.7	PASS
	Ant1	5775	-5.39	≤28.7	PASS

	Ant2	5775	-8.00	≤ 28.7	PASS
	total	5775	-3.49	≤ 28.7	PASS
11AX20MIMO	Ant1	5180	3.90	≤ 9.7	PASS
	Ant2	5180	3.55	≤ 9.7	PASS
	total	5180	6.74	≤ 9.7	PASS
	Ant1	5200	3.86	≤ 9.7	PASS
	Ant2	5200	3.15	≤ 9.7	PASS
	total	5200	6.53	≤ 9.7	PASS
	Ant1	5240	3.74	≤ 9.7	PASS
	Ant2	5240	3.44	≤ 9.7	PASS
	total	5240	6.60	≤ 9.7	PASS
	Ant1	5745	1.48	≤ 28.7	PASS
	Ant2	5745	-1.01	≤ 28.7	PASS
	total	5745	3.42	≤ 28.7	PASS
	Ant1	5785	2.36	≤ 28.7	PASS
	Ant2	5785	-0.64	≤ 28.7	PASS
	total	5785	4.12	≤ 28.7	PASS
	Ant1	5825	2.07	≤ 28.7	PASS
	Ant2	5825	-1.11	≤ 28.7	PASS
	total	5825	3.78	≤ 28.7	PASS
11AX40MIMO	Ant1	5190	0.08	≤ 9.7	PASS
	Ant2	5190	-1.32	≤ 9.7	PASS
	total	5190	2.45	≤ 9.7	PASS
	Ant1	5230	-0.40	≤ 9.7	PASS
	Ant2	5230	-0.98	≤ 9.7	PASS
	total	5230	2.33	≤ 9.7	PASS
	Ant1	5755	-3.10	≤ 28.7	PASS
	Ant2	5755	-4.76	≤ 28.7	PASS
	total	5755	-0.84	≤ 28.7	PASS
	Ant1	5795	-2.59	≤ 28.7	PASS
	Ant2	5795	-5.26	≤ 28.7	PASS
	total	5795	-0.71	≤ 28.7	PASS
11AX80MIMO	Ant1	5210	-3.71	≤ 9.7	PASS
	Ant2	5210	-3.62	≤ 9.7	PASS
	total	5210	-0.65	≤ 9.7	PASS
	Ant1	5775	-5.27	≤ 28.7	PASS
	Ant2	5775	-8.77	≤ 28.7	PASS
	total	5775	-3.67	≤ 28.7	PASS

Note:

1. The EUT is a client device.

2. The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:

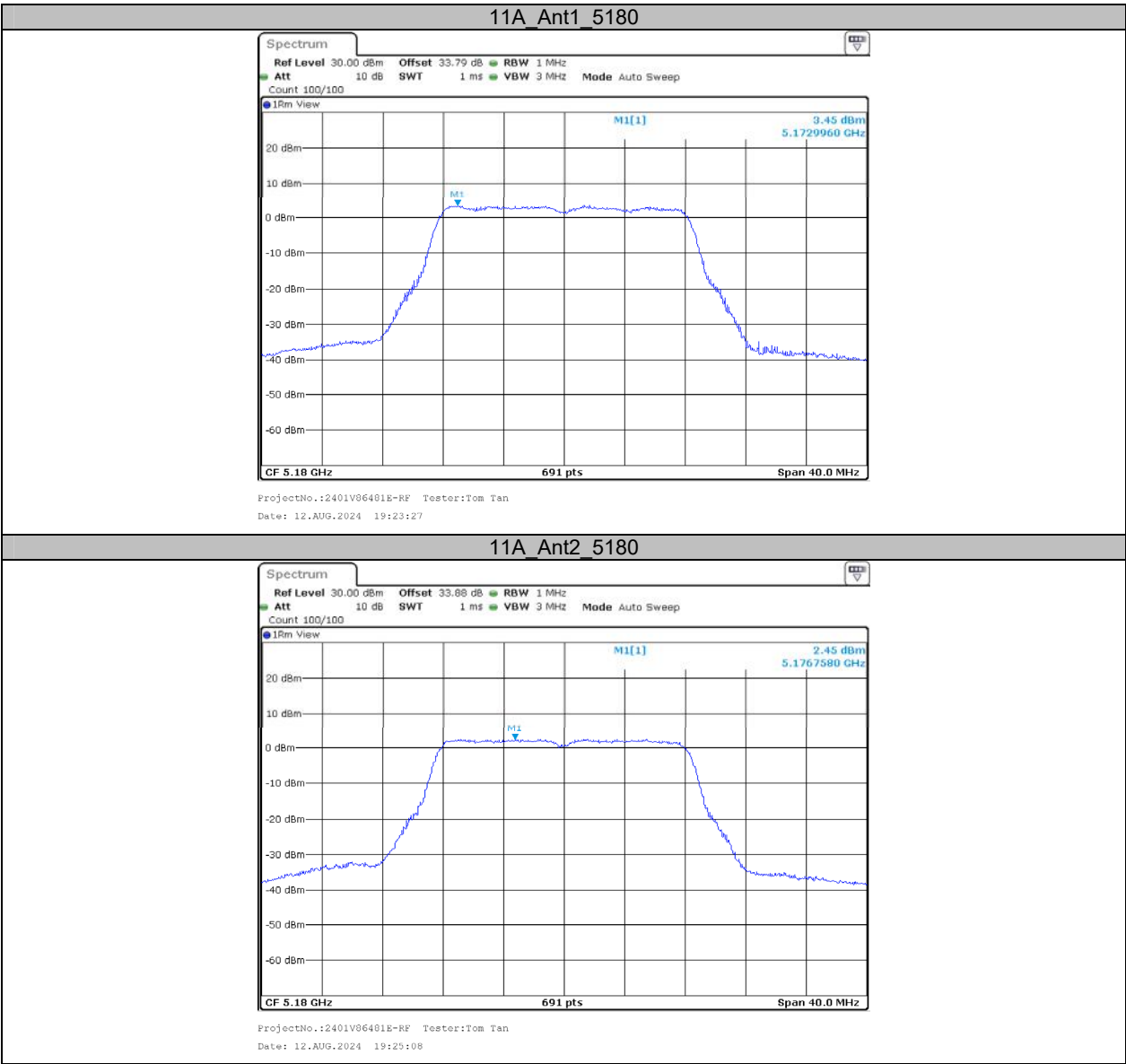
Array Gain = $10 \log(N_{\text{ANT}}/N_{\text{SS}})$ dB

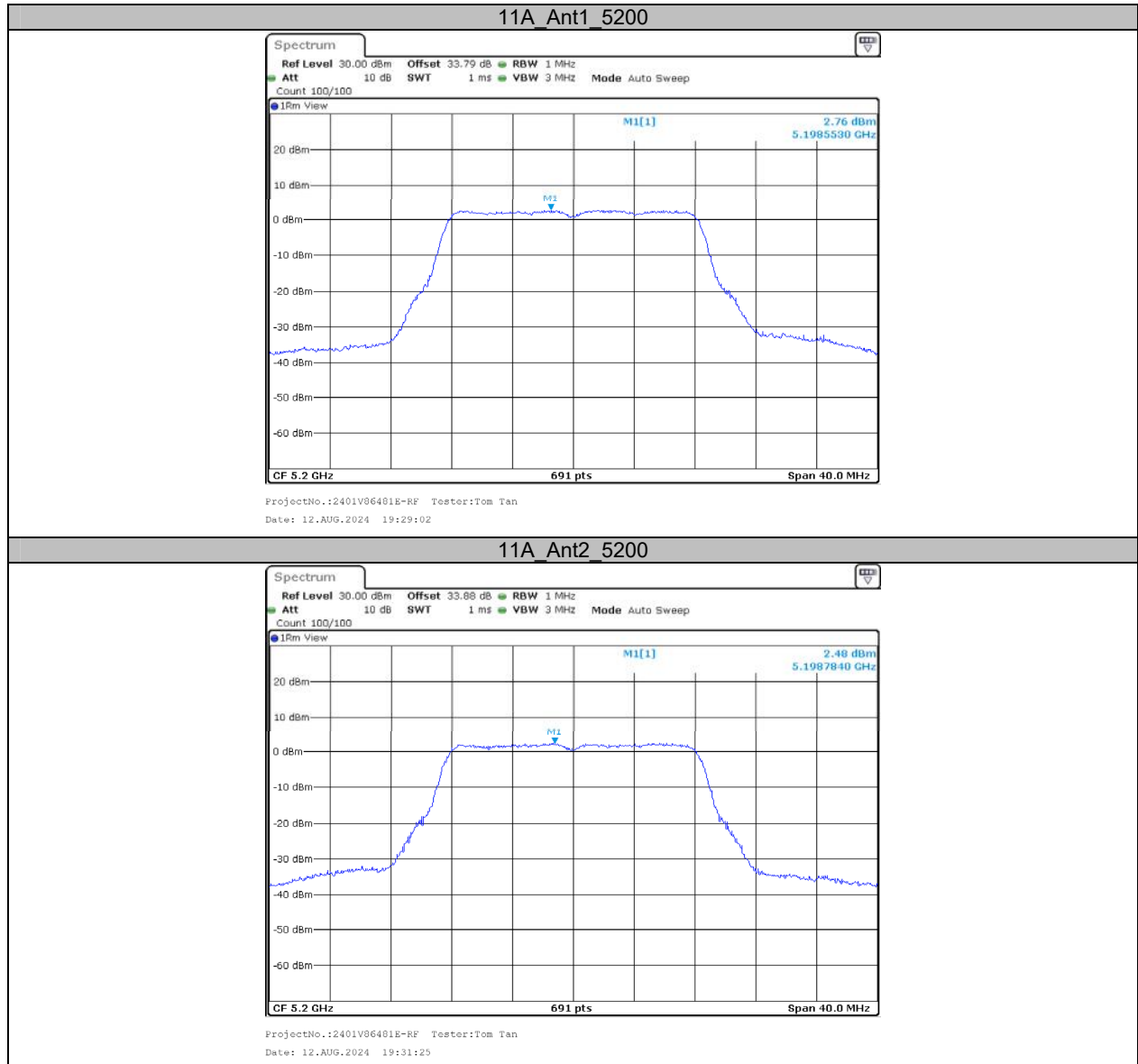
3. The Result and Limit Unit is dBm/500 kHz in the band 5.725-5.85 GHz.

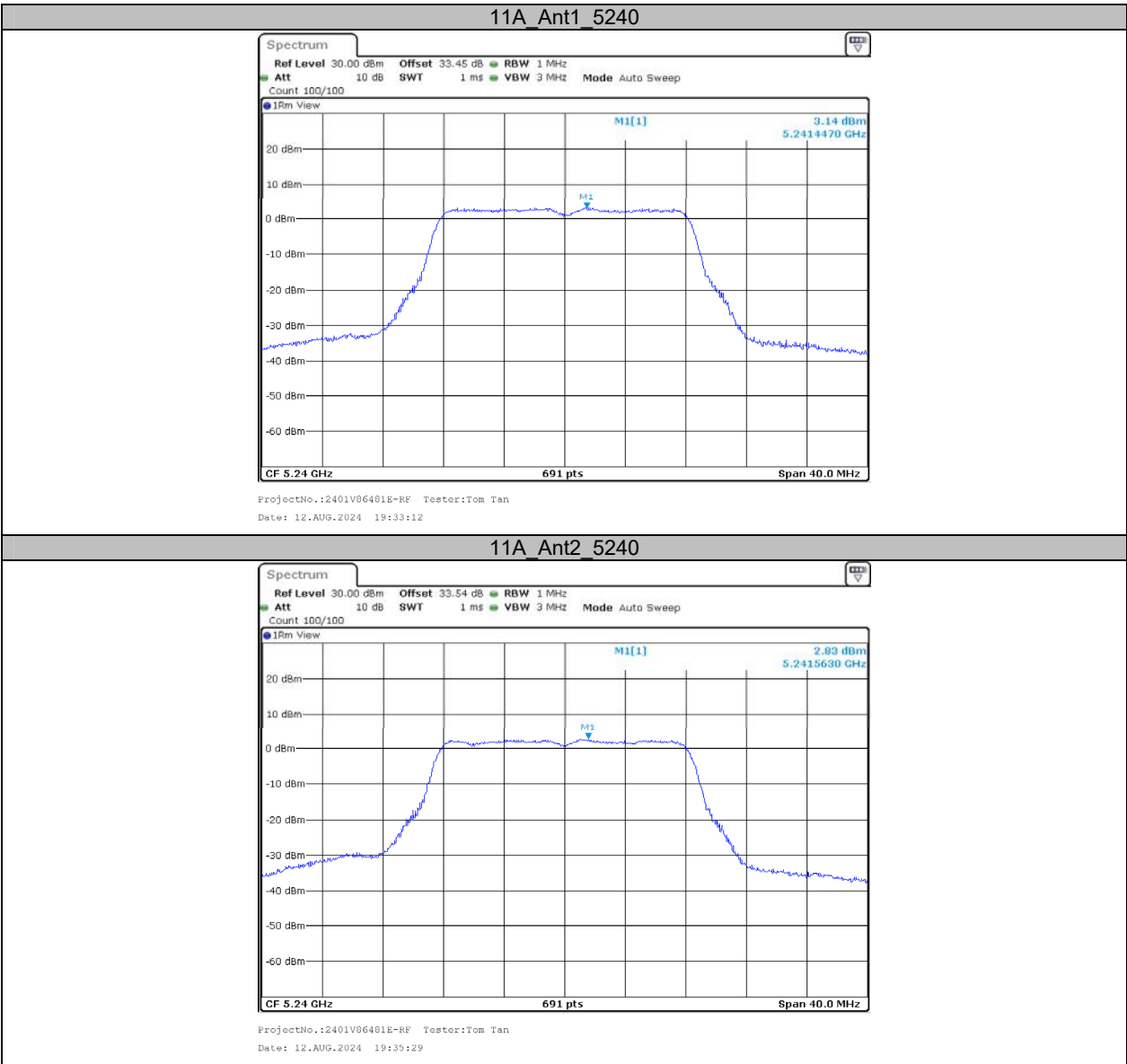
4. The Duty Cycle Factor is compensated in the graph.

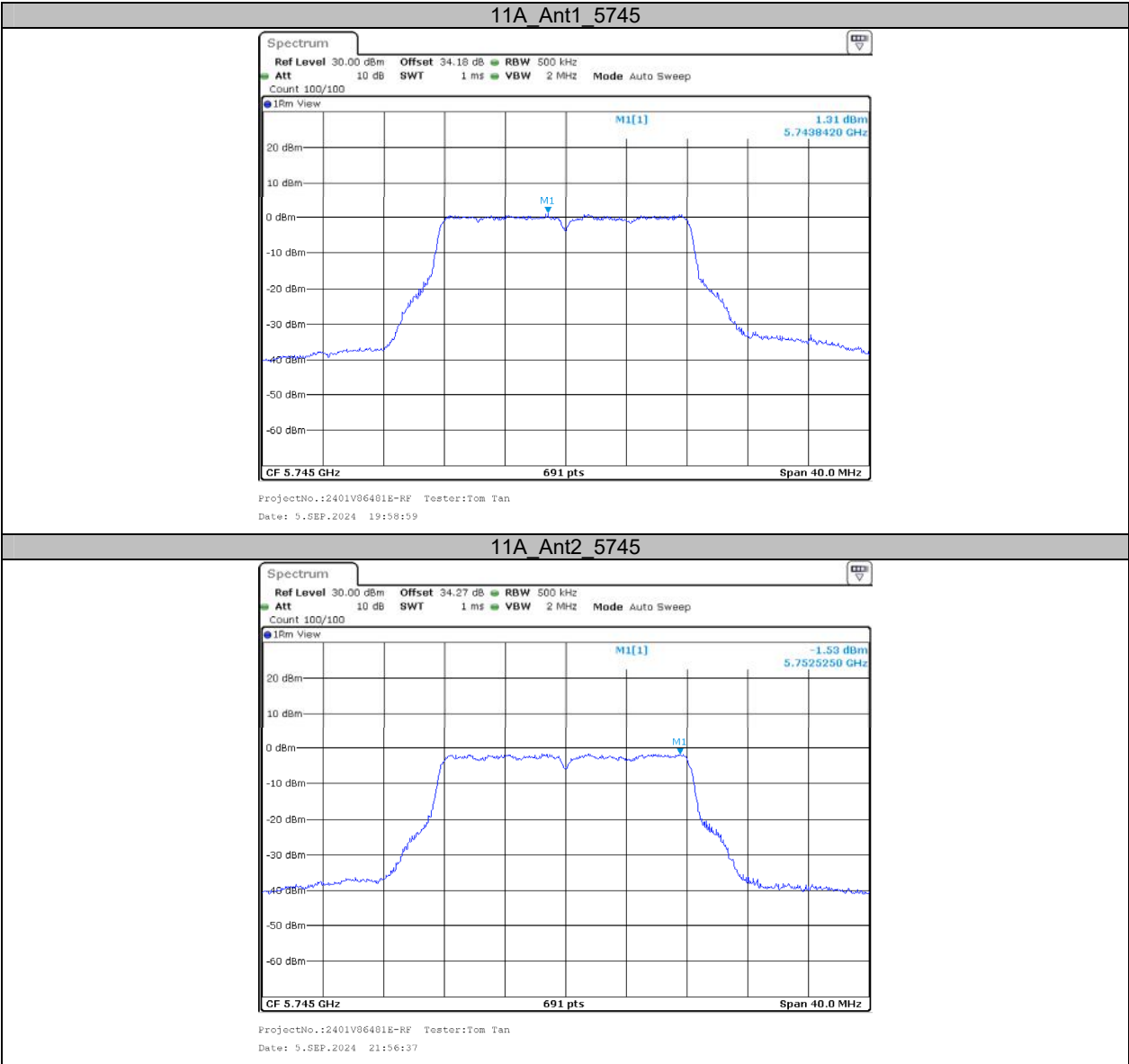
Antenna Gain:	4.3	dBi	Directional gain:	7.3	dBi
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Test Graphs

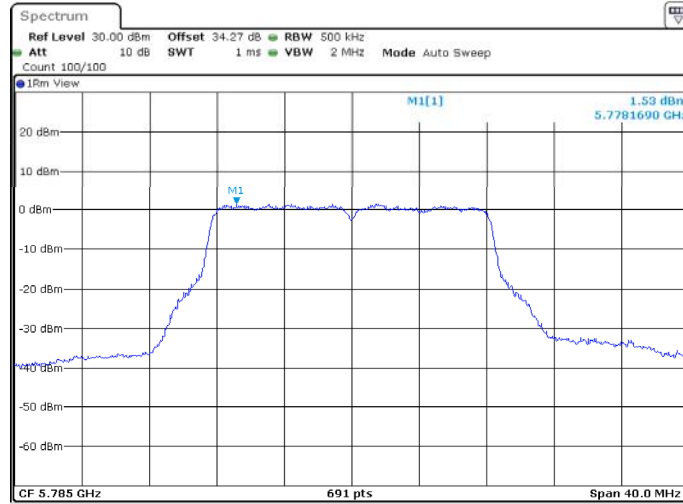








11A_Ant1_5785

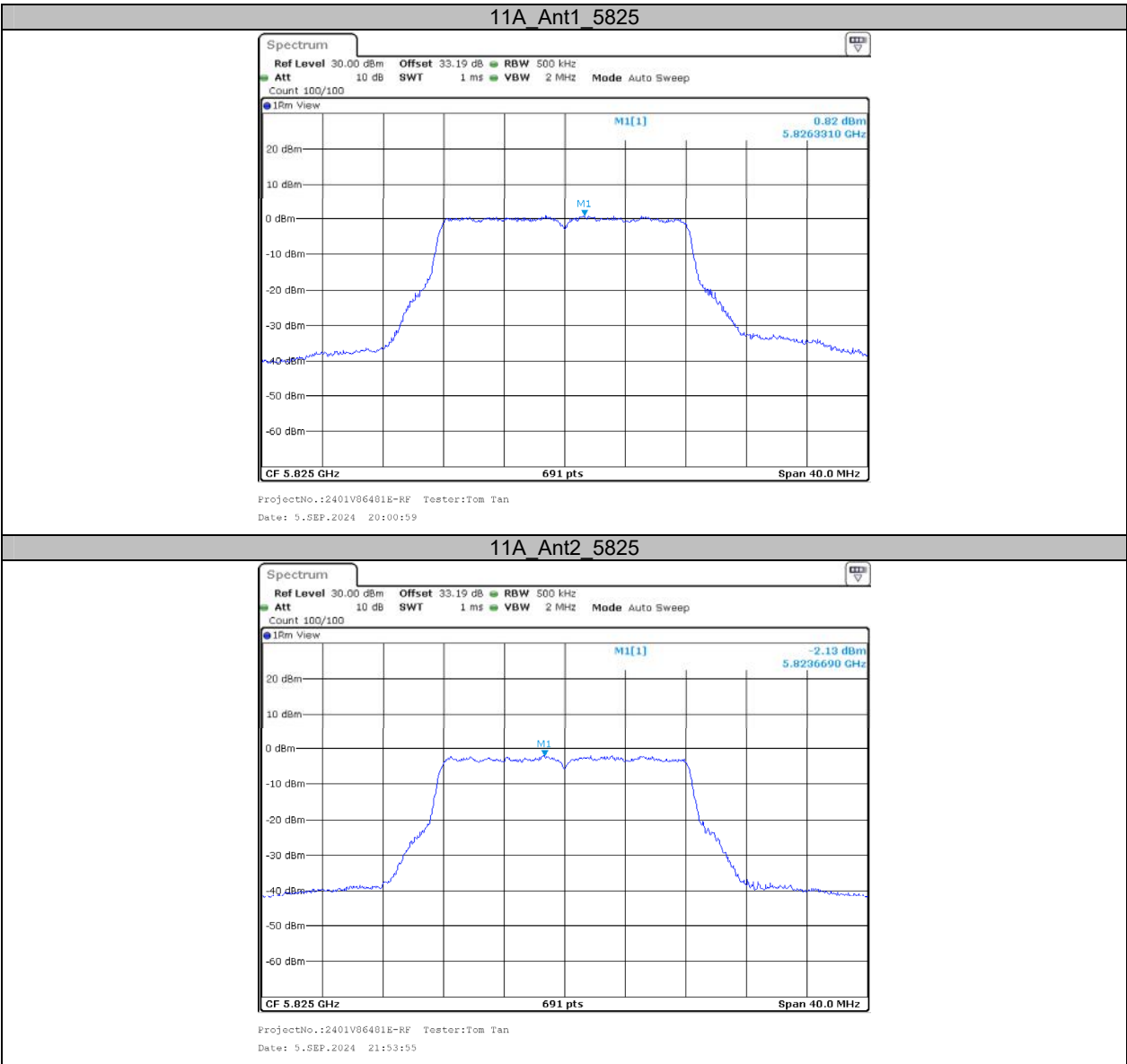


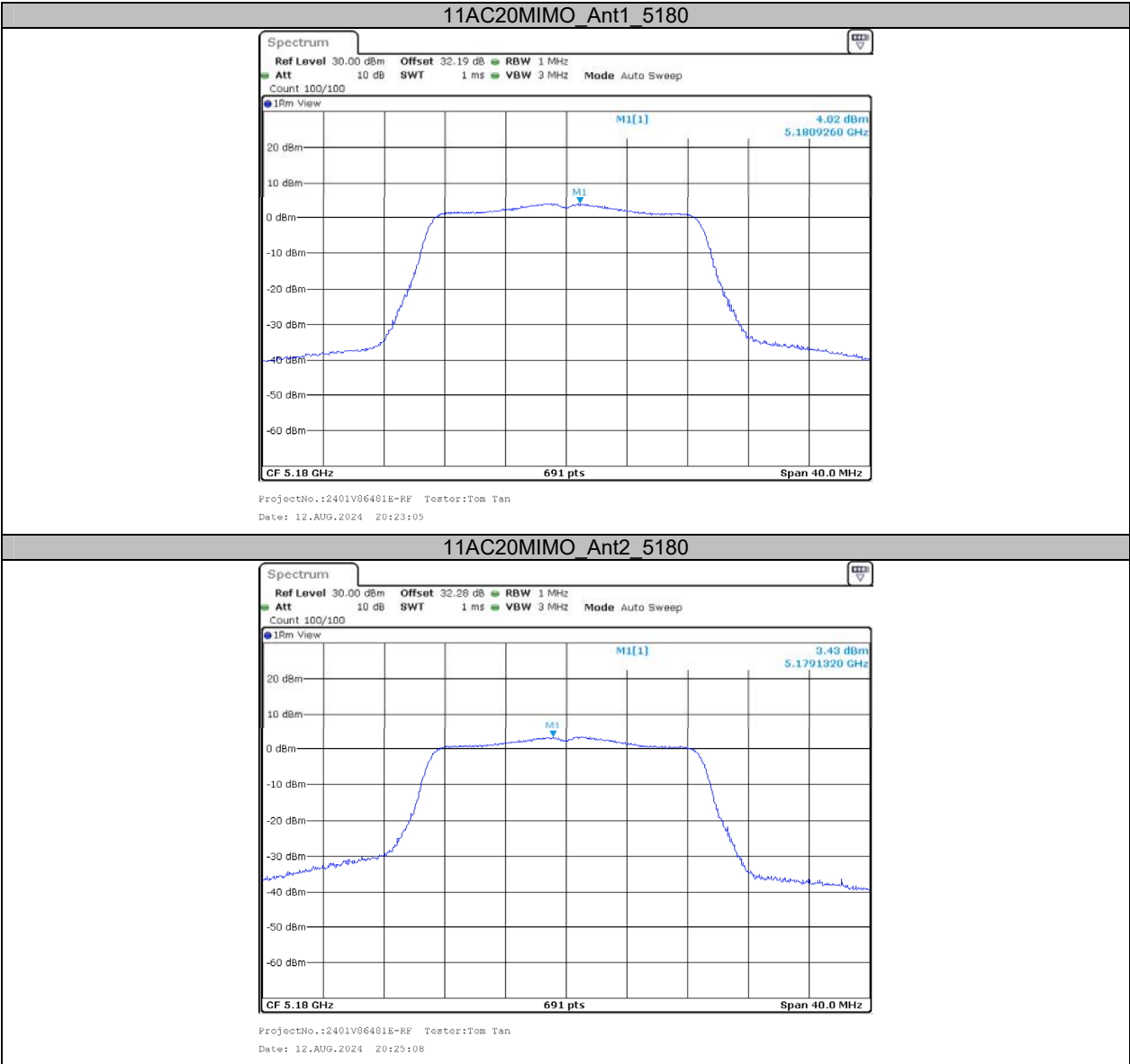
ProjectNo.:2401V86481E-RF Tester:Tom Tan
Date: 5.SEP.2024 19:59:45

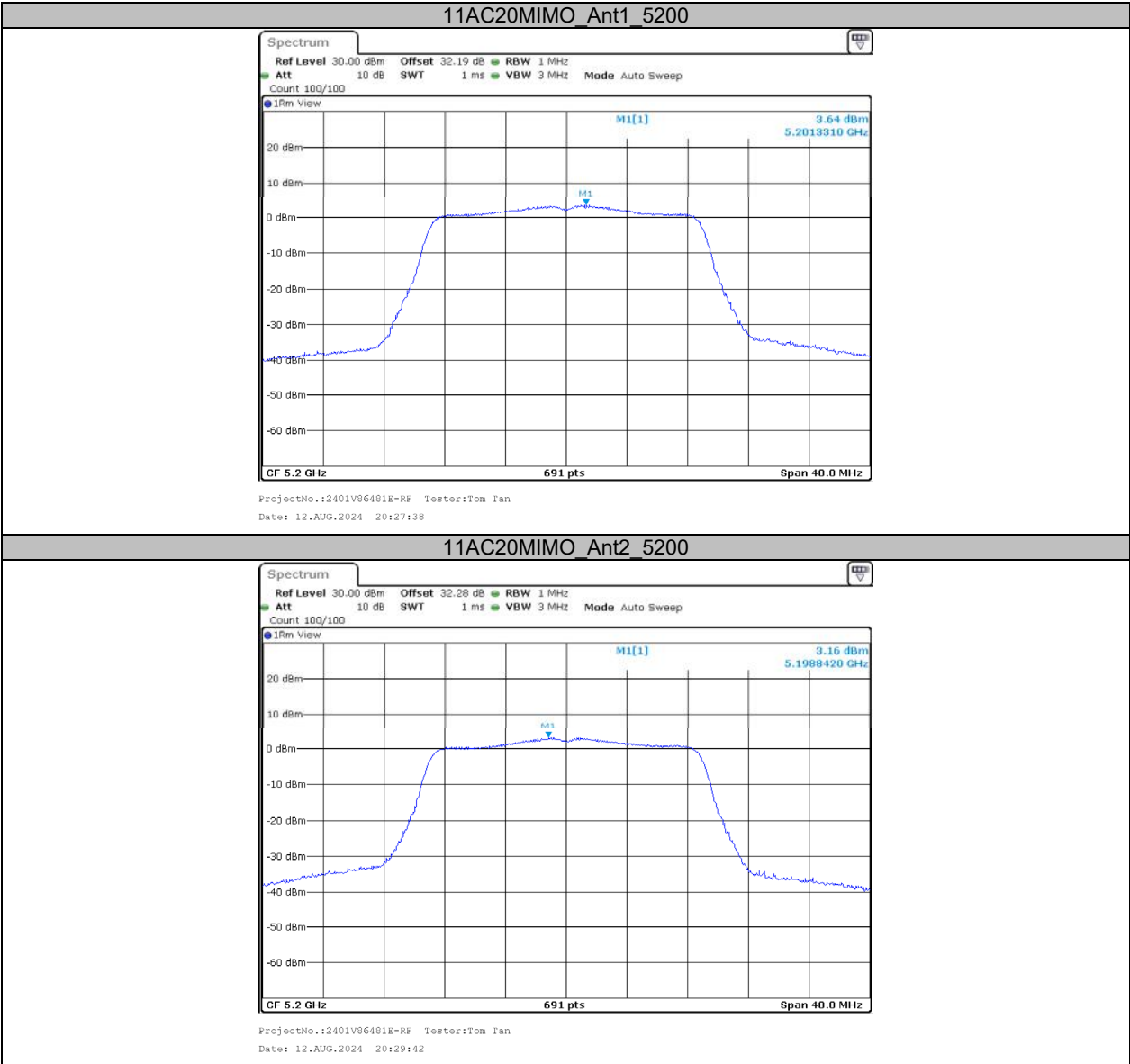
11A_Ant2_5785

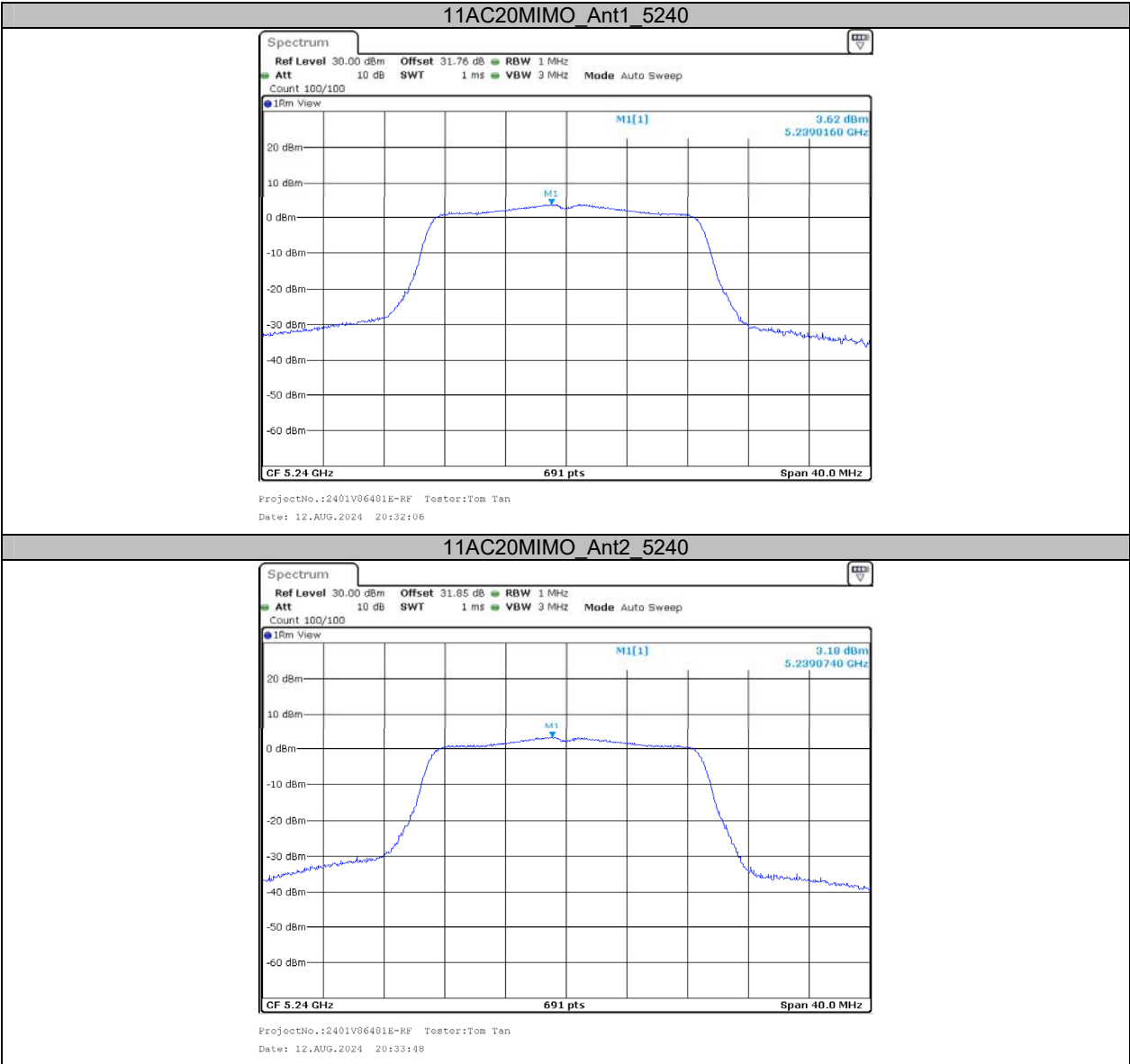


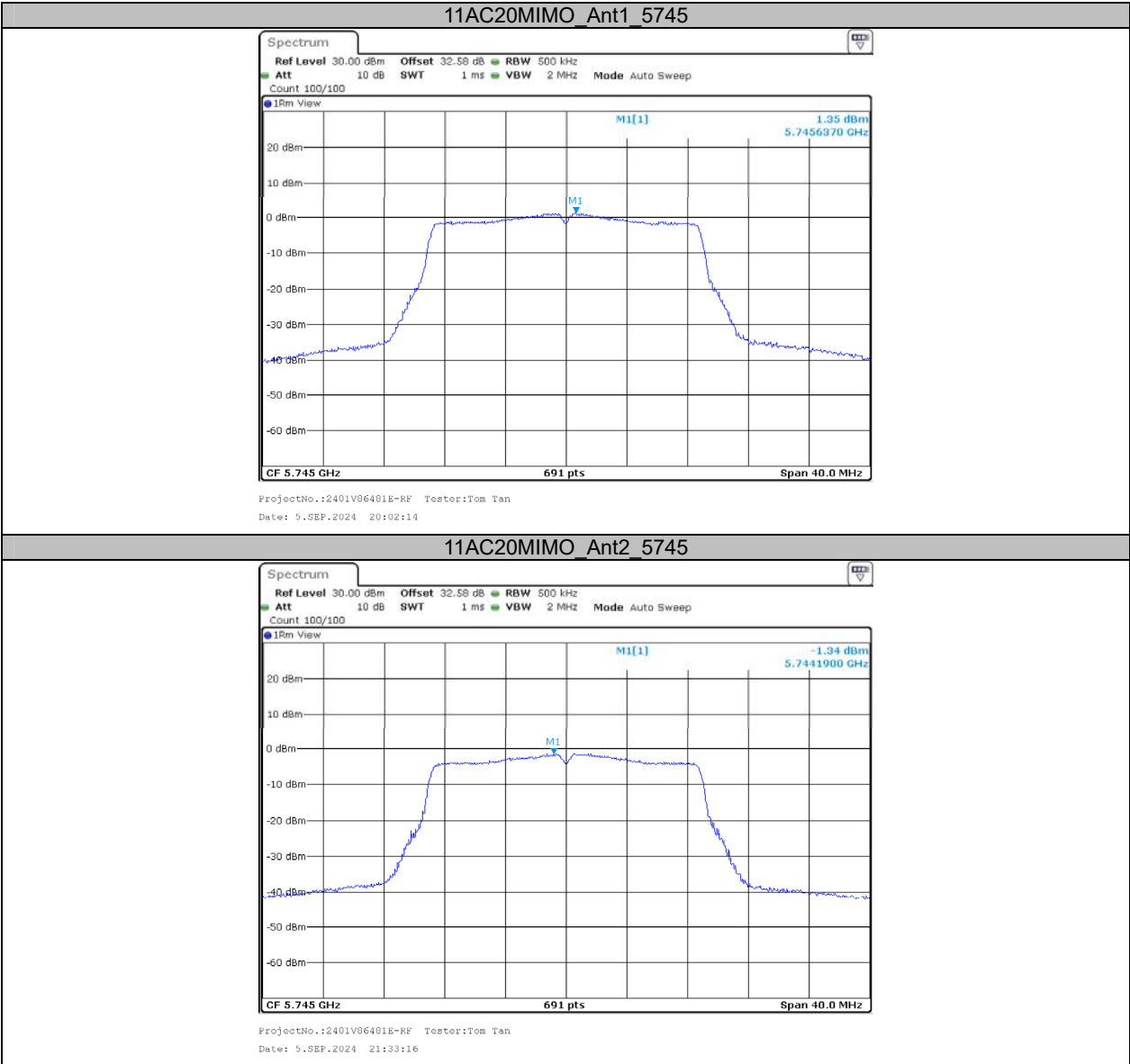
ProjectNo.:2401V86481E-RF Tester:Tom Tan
Date: 5.SEP.2024 21:54:54

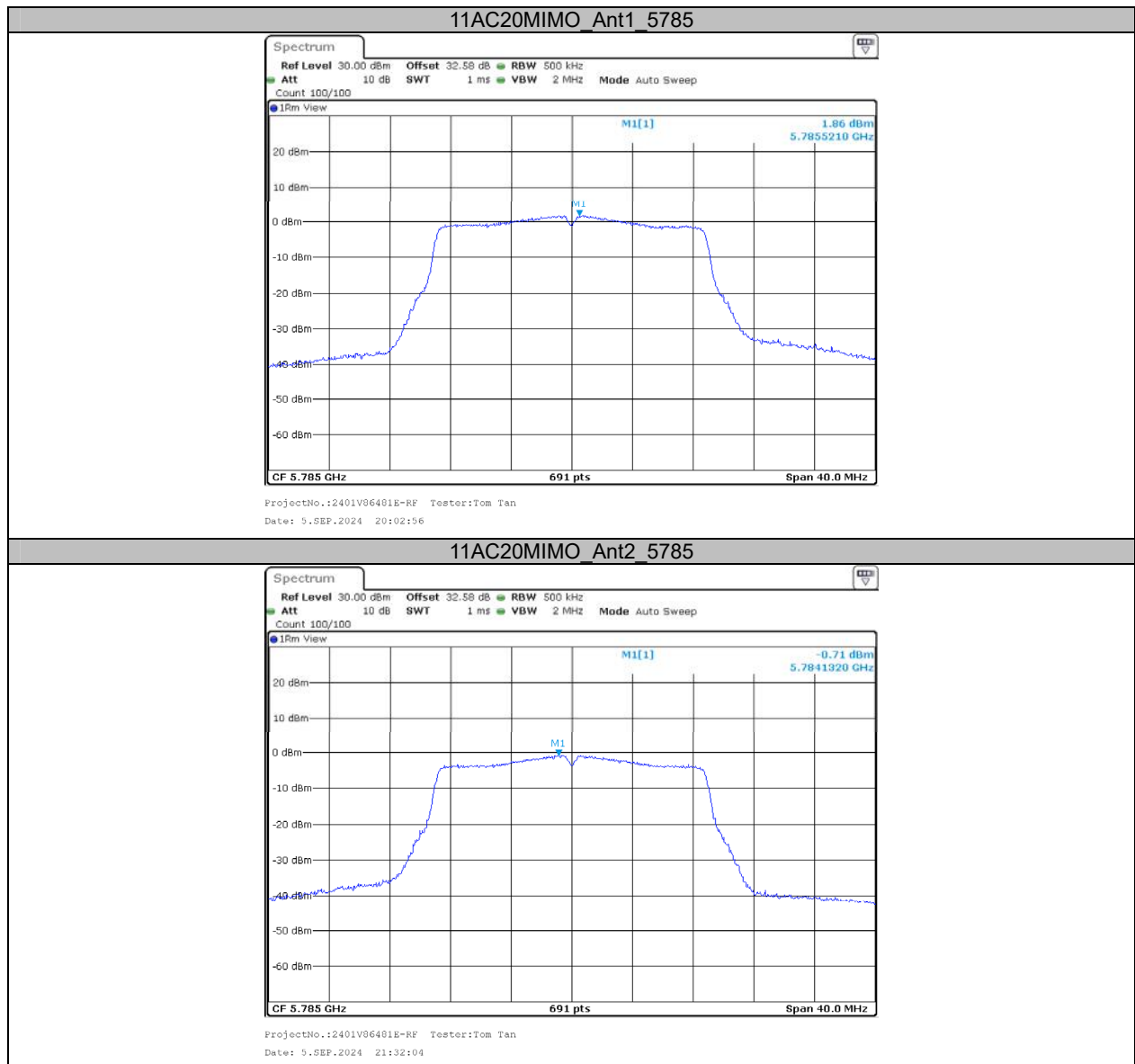


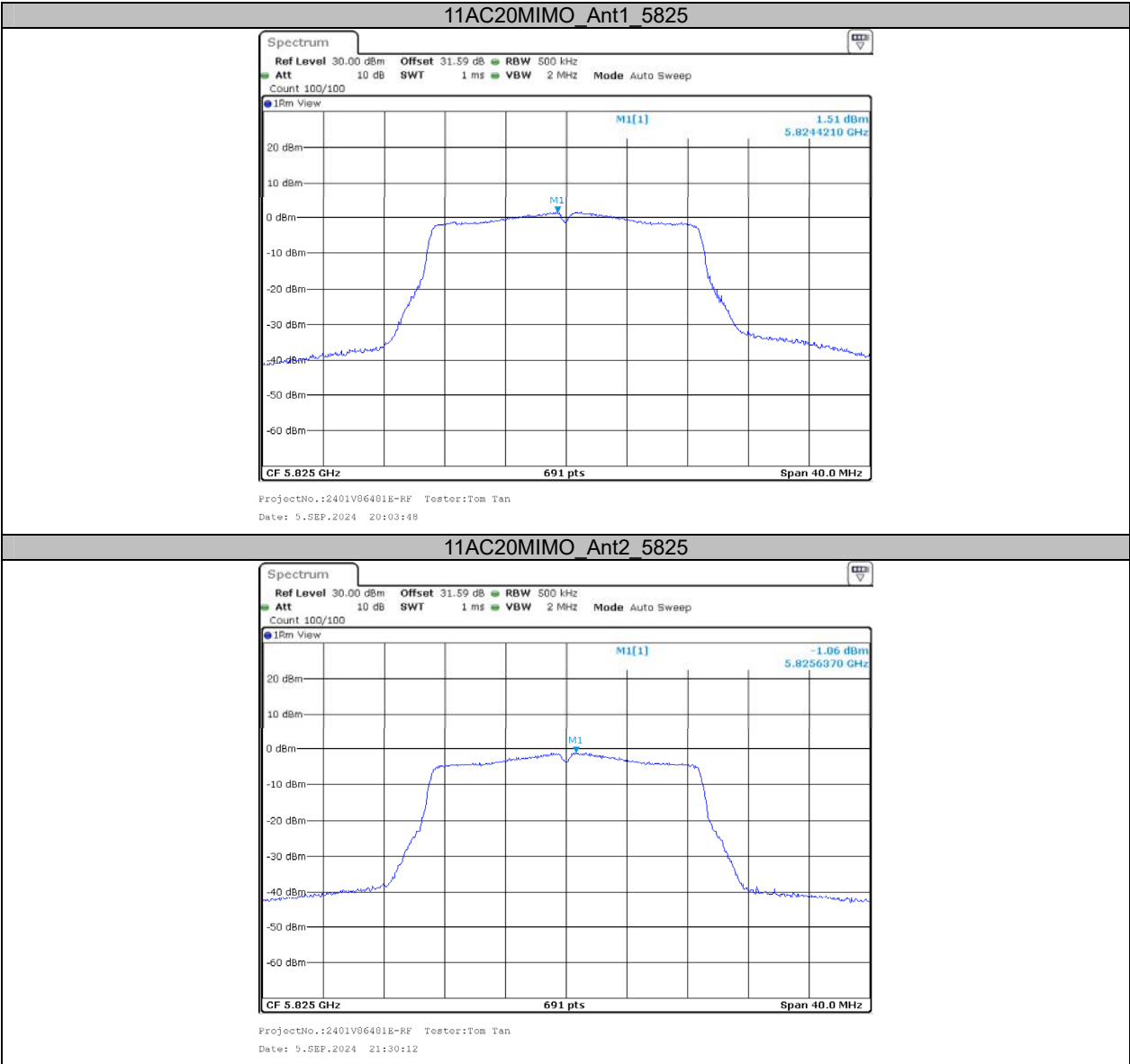


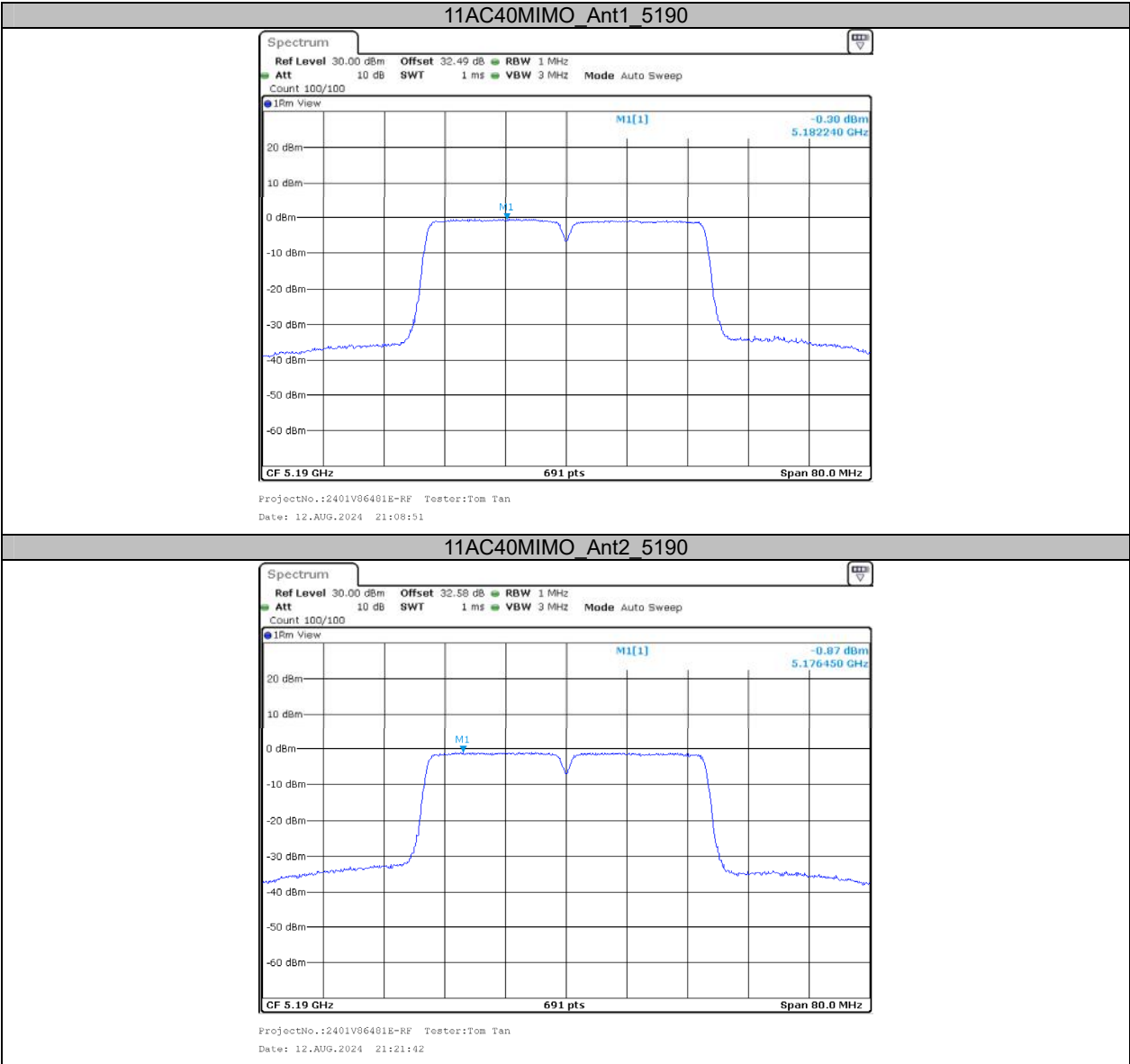


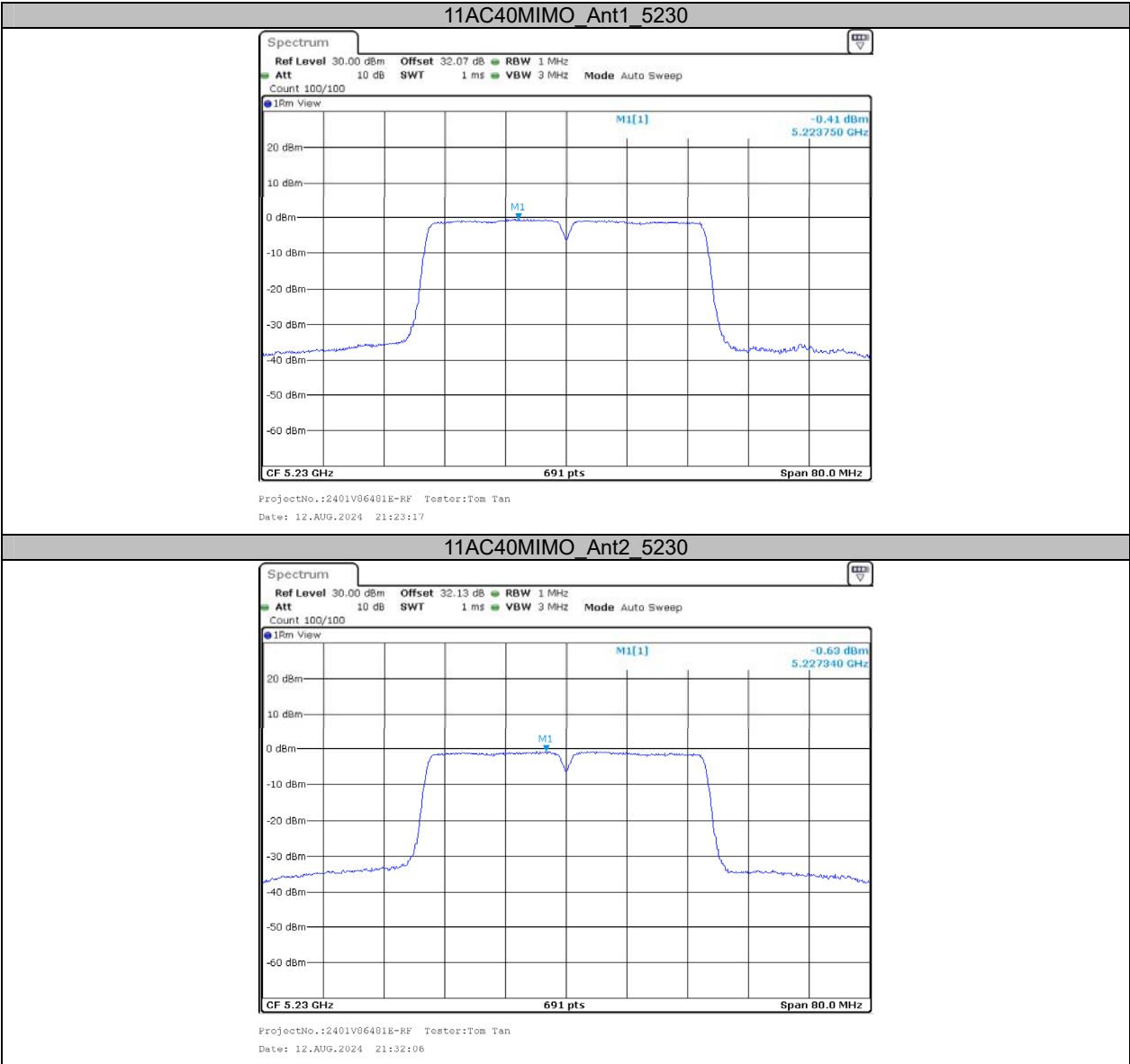


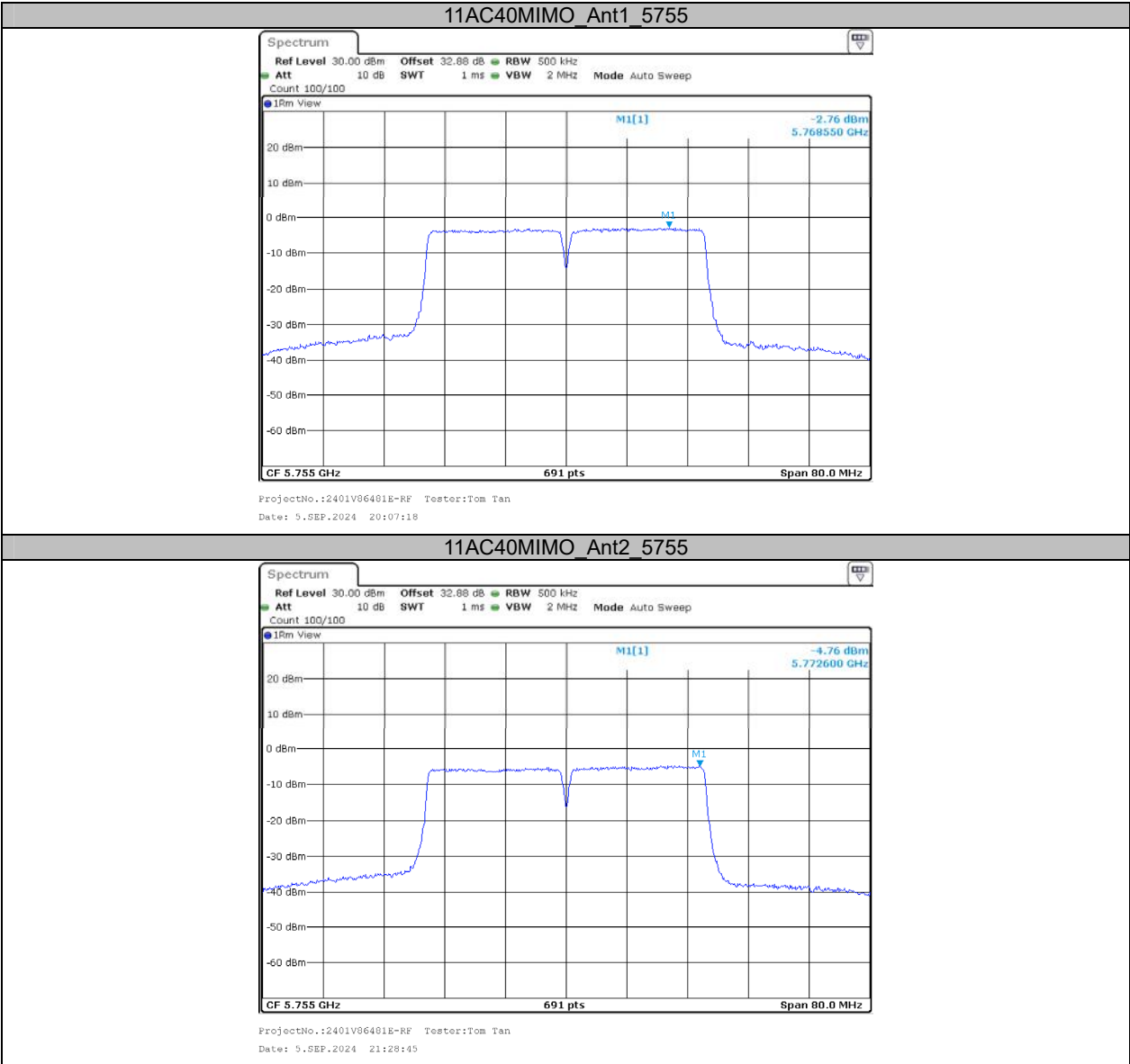


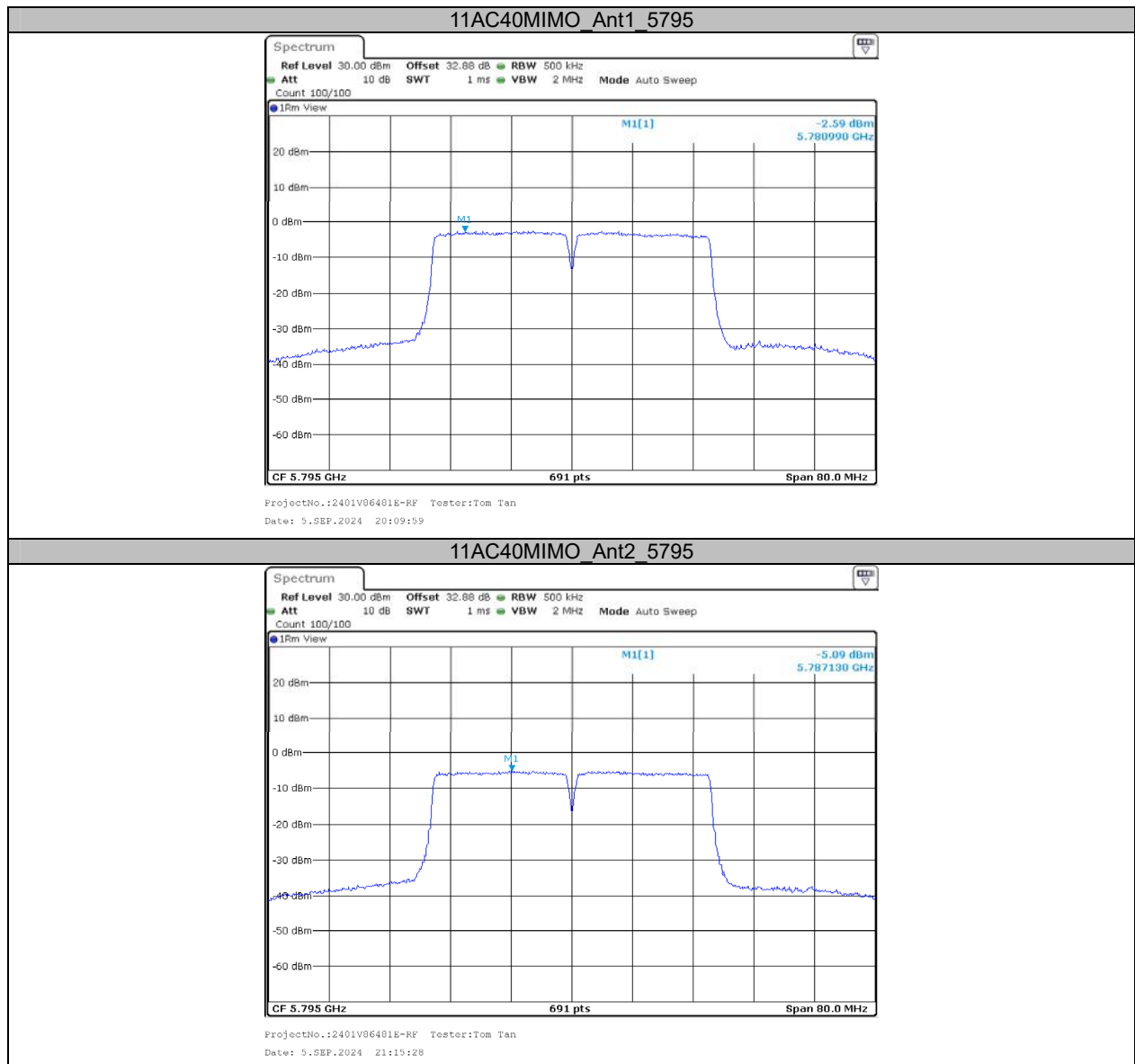


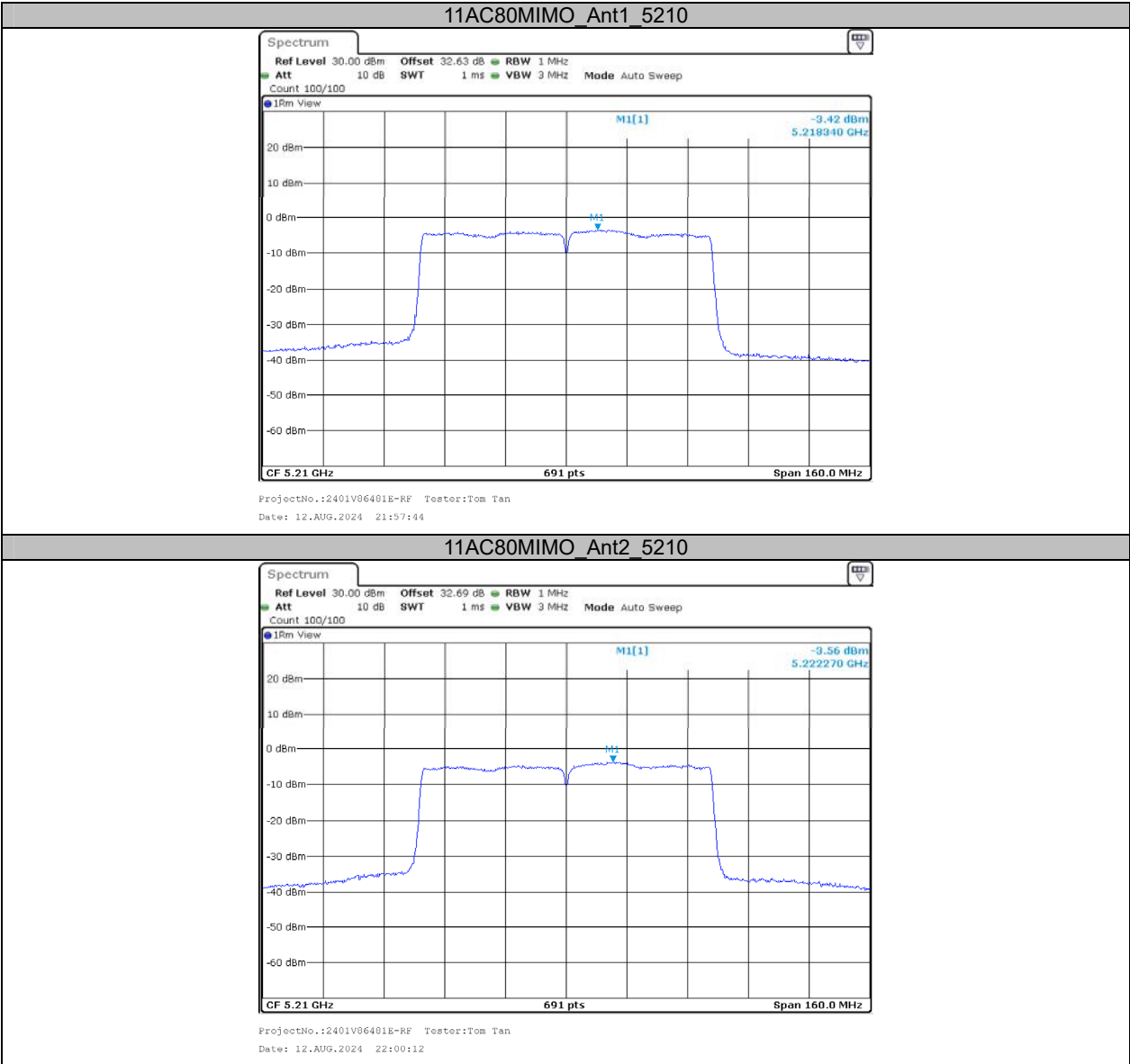


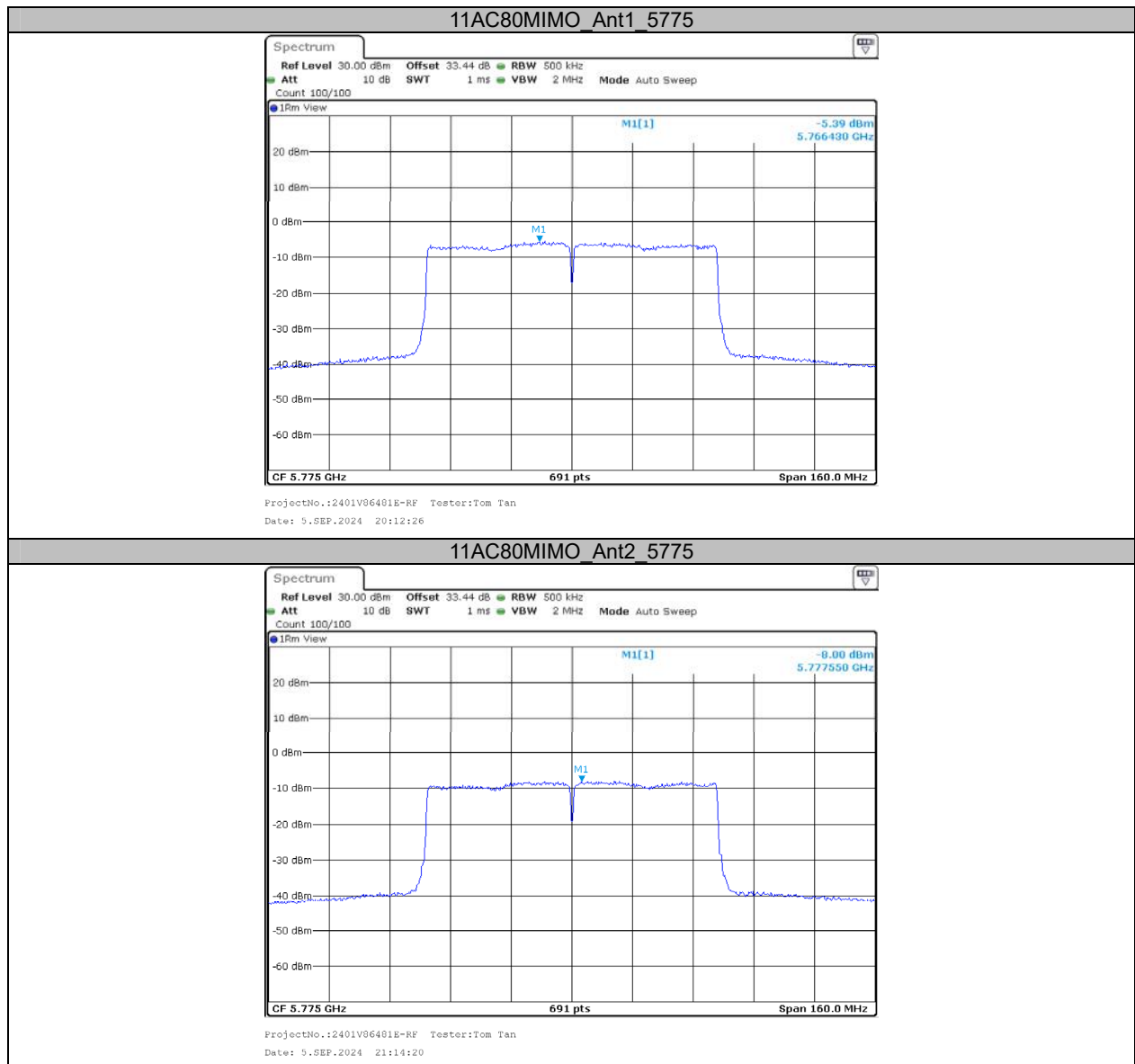


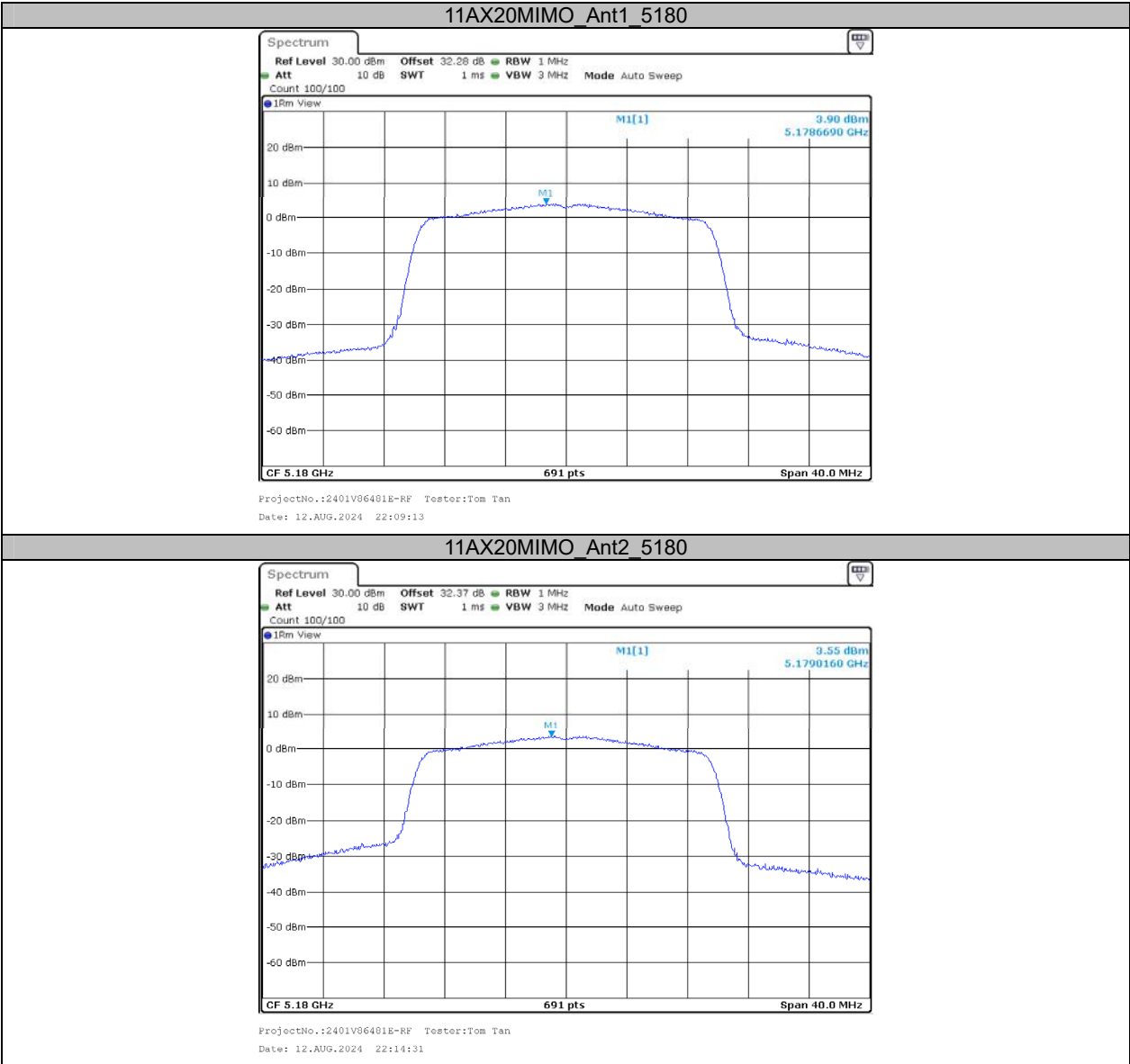


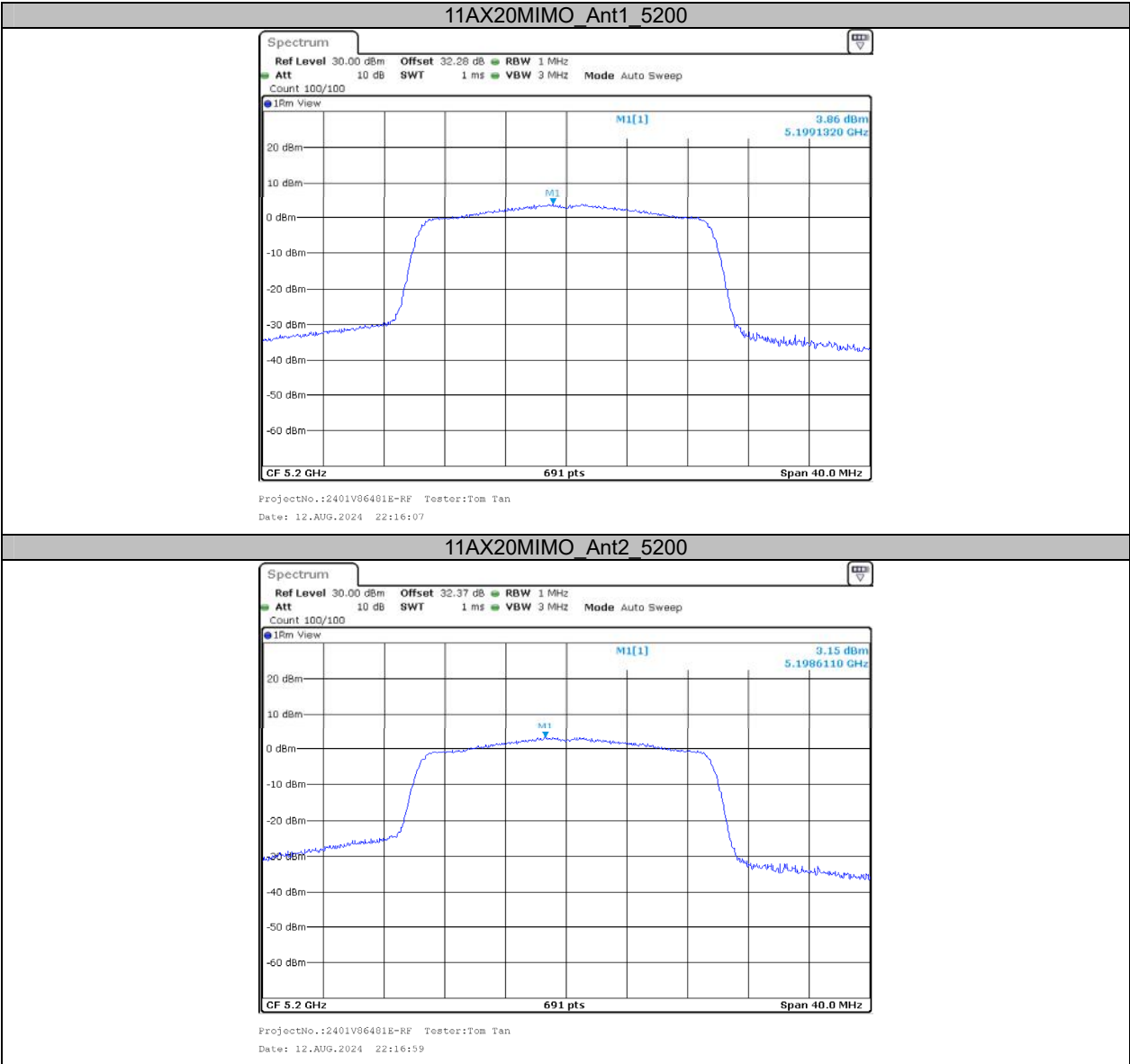


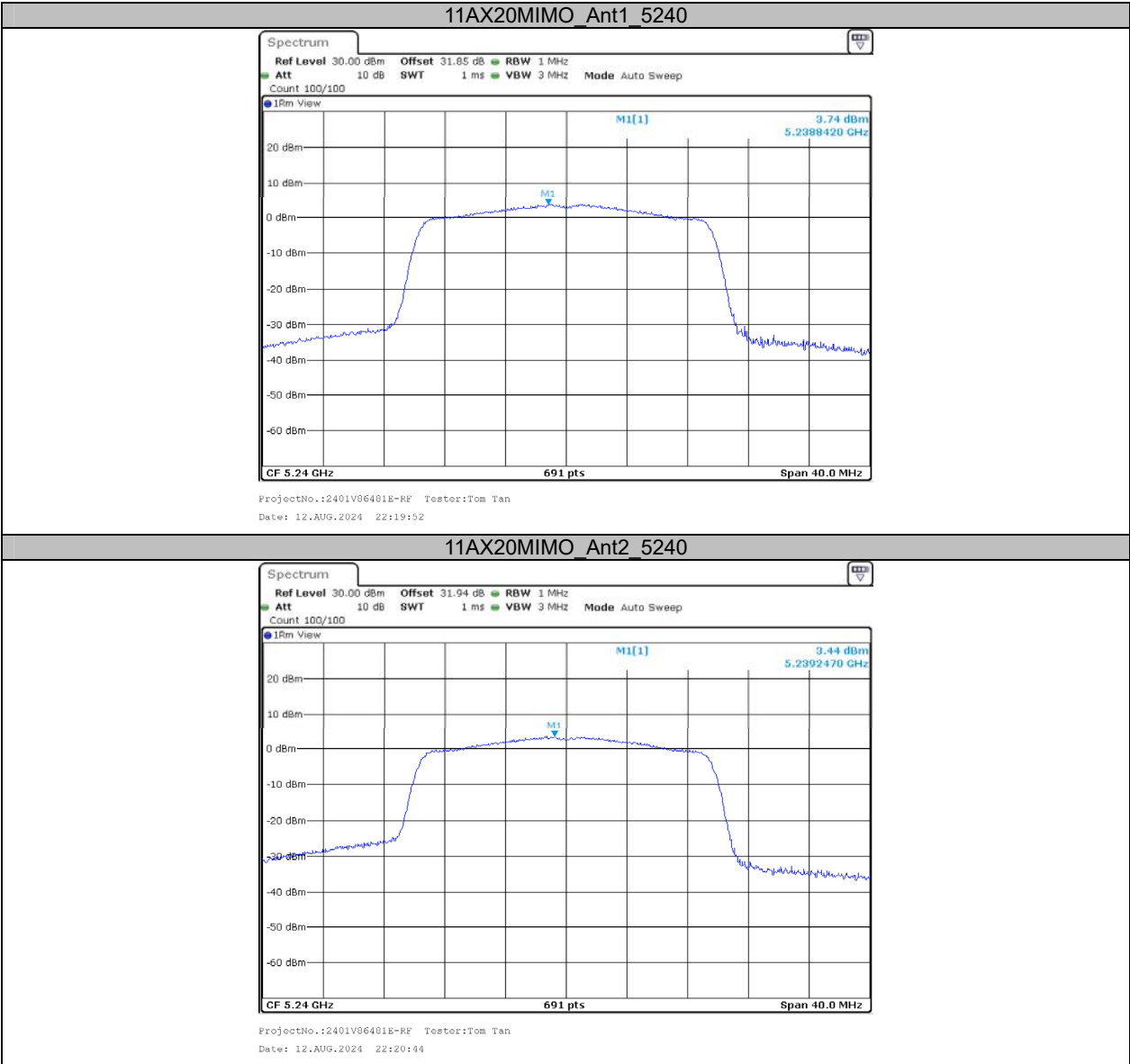


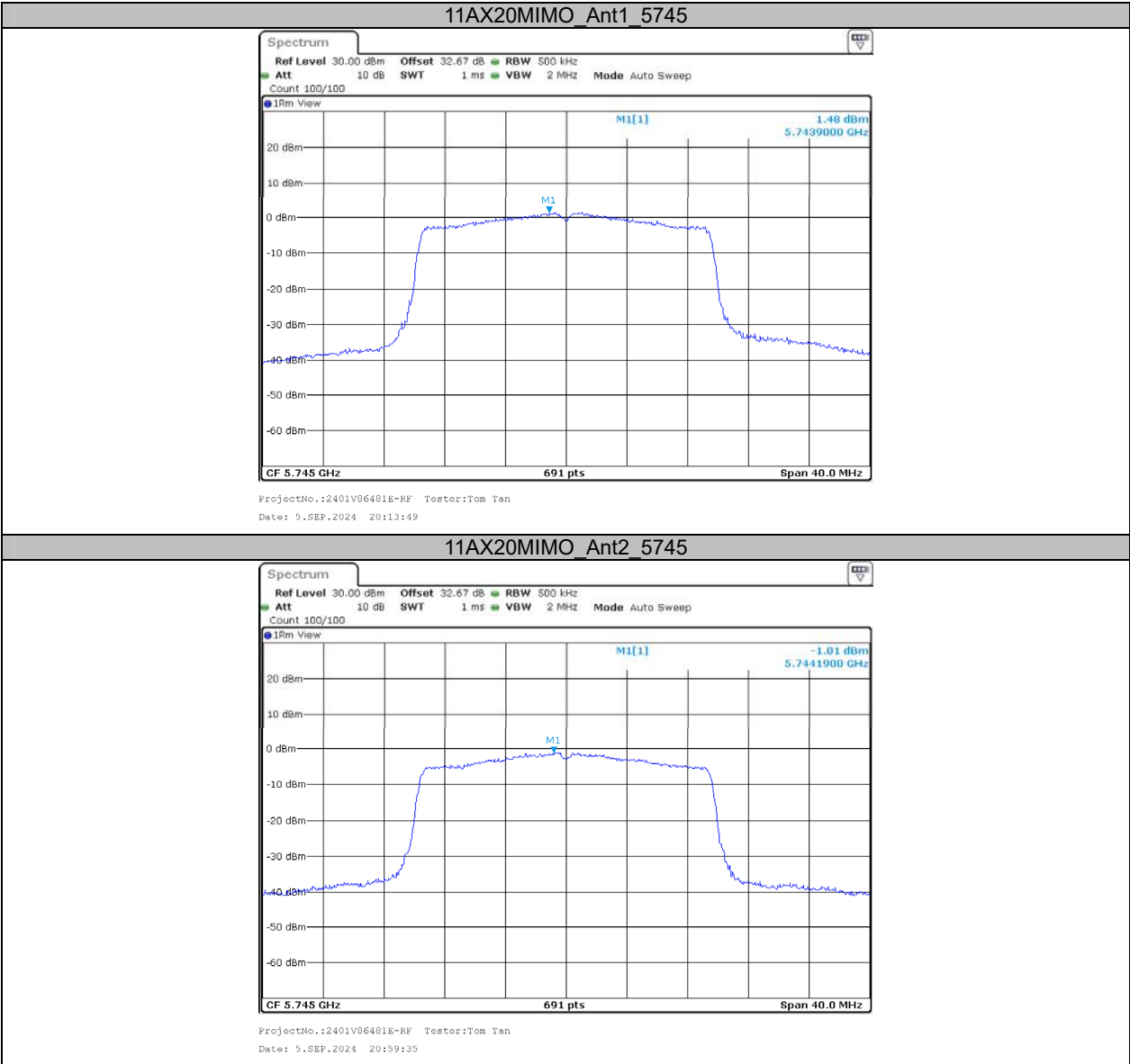


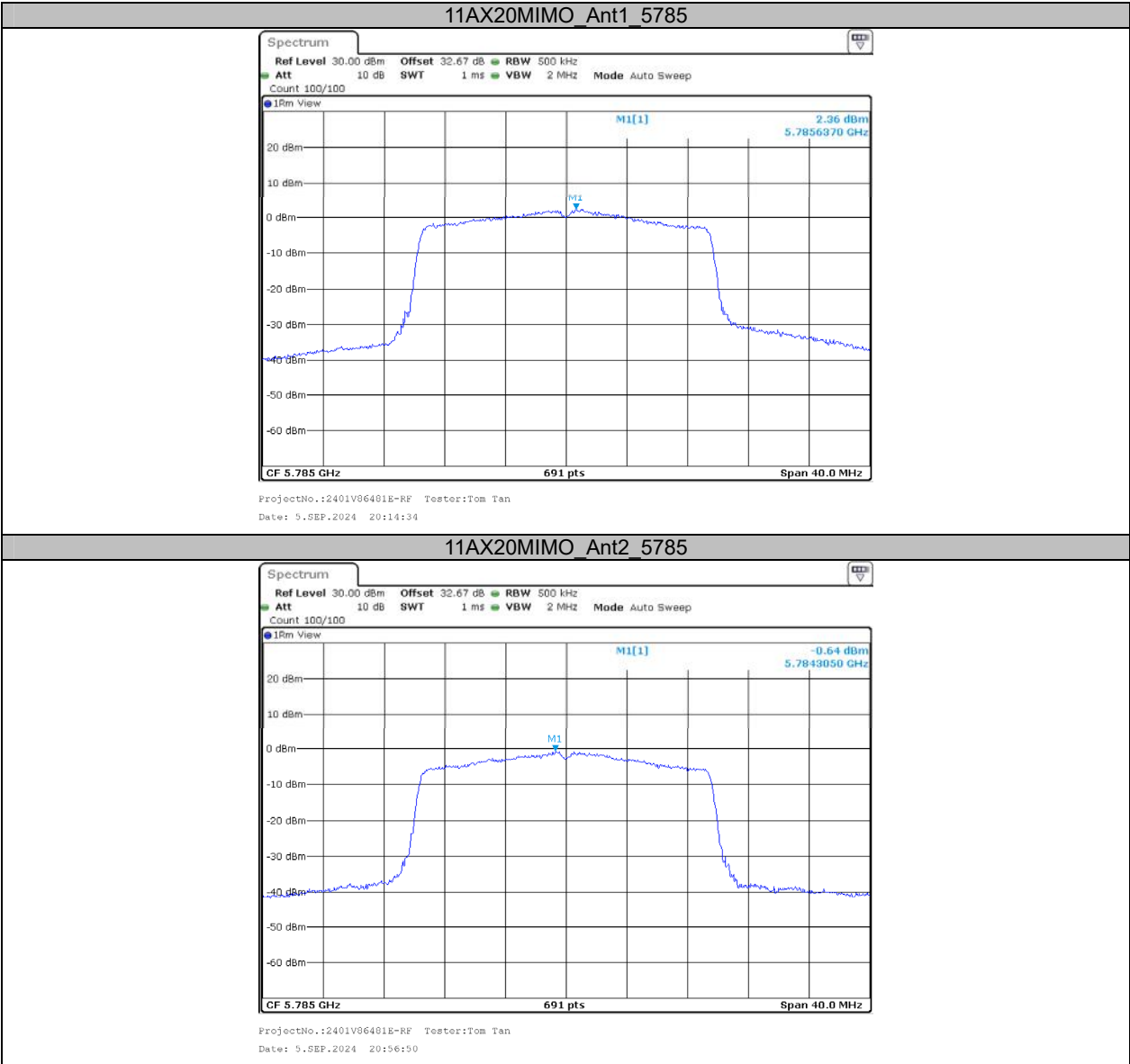


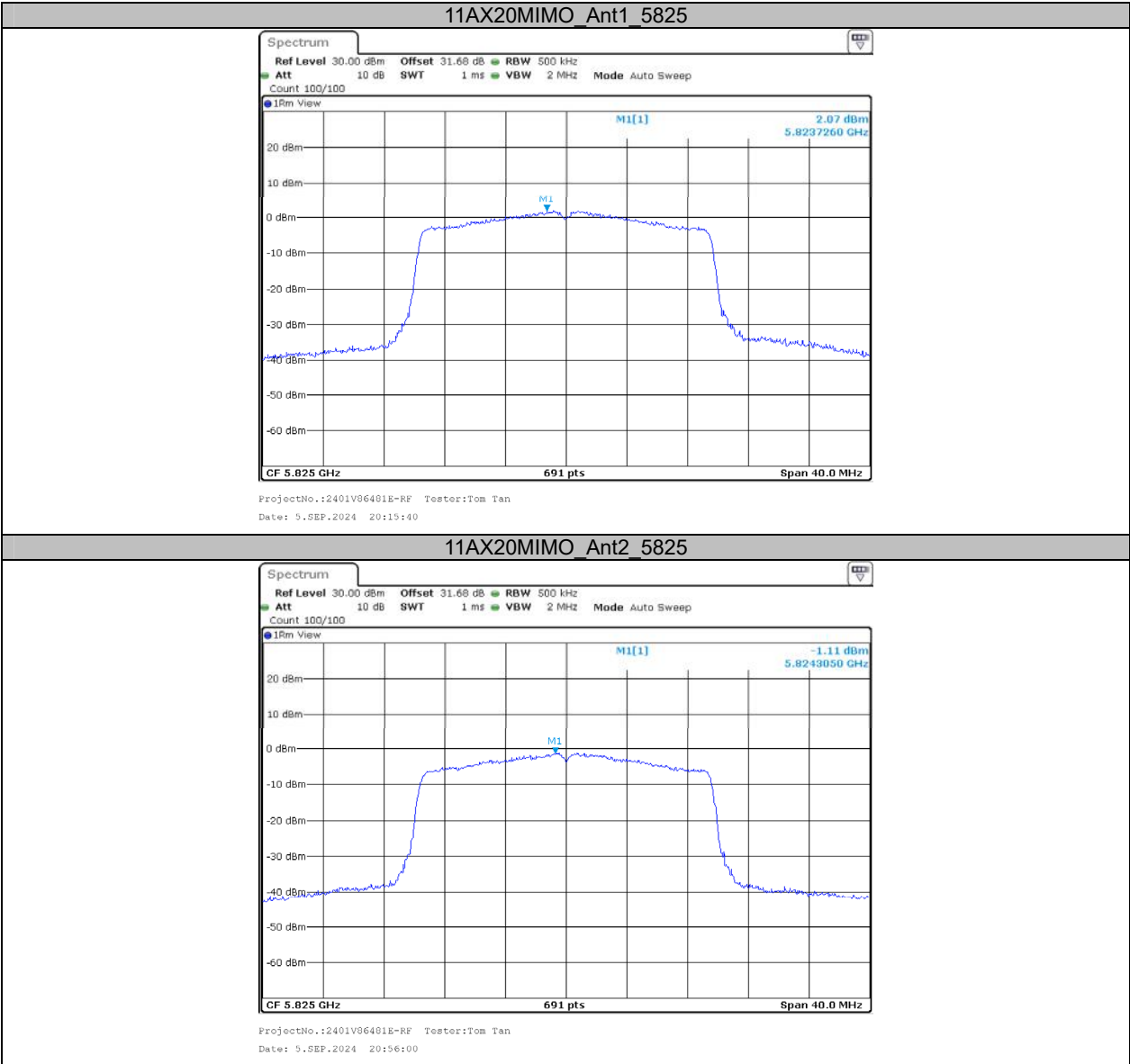


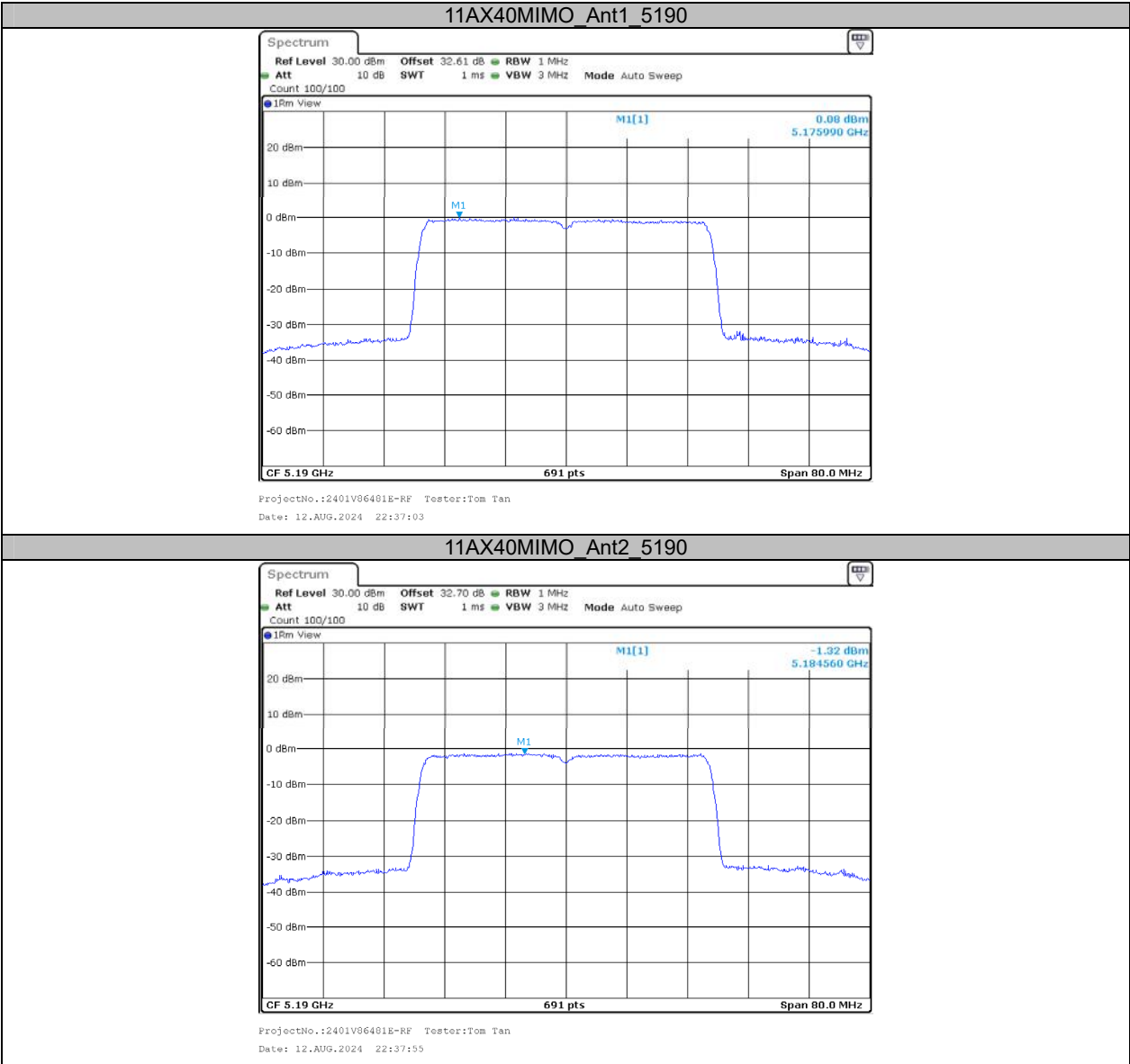


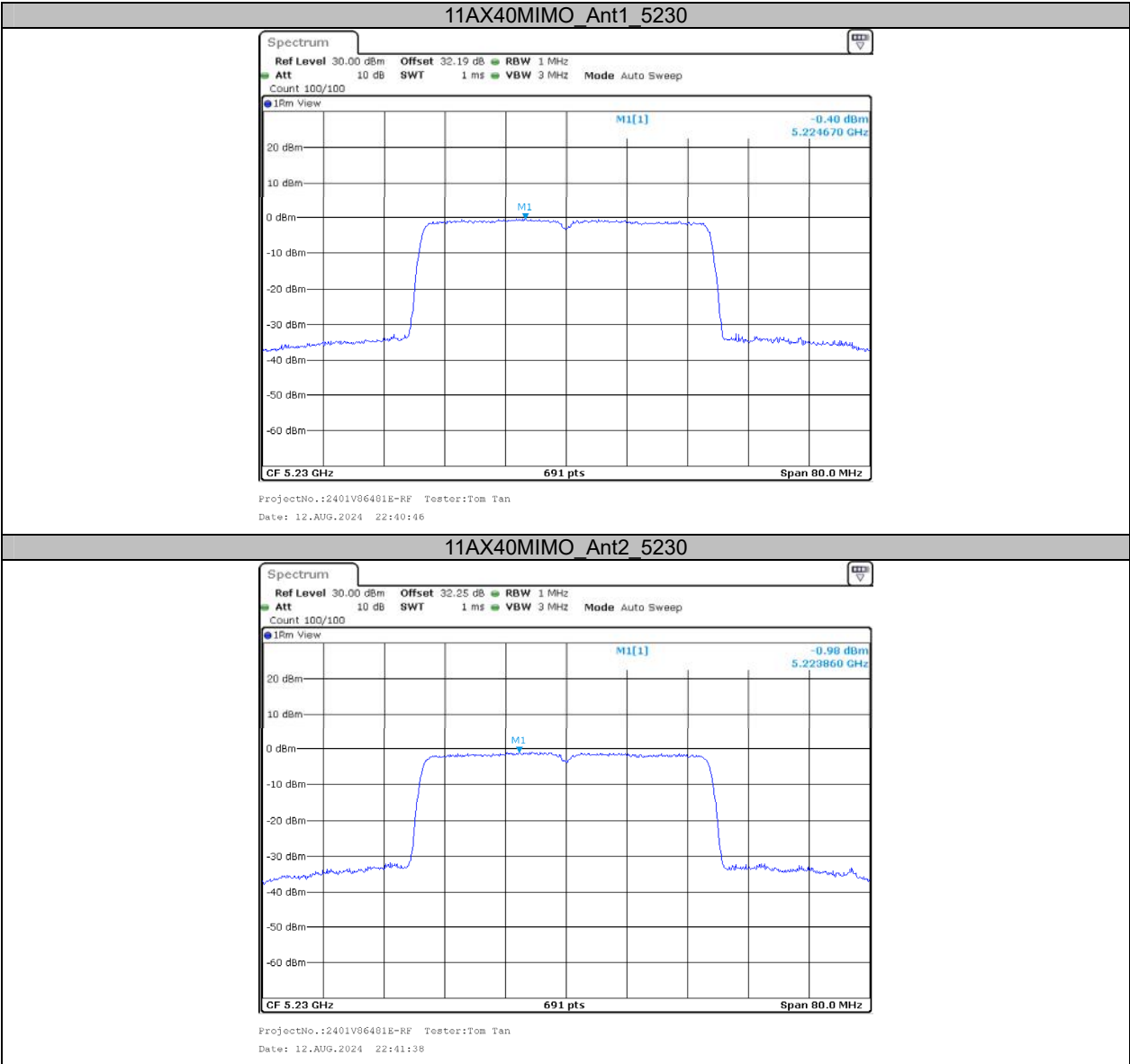


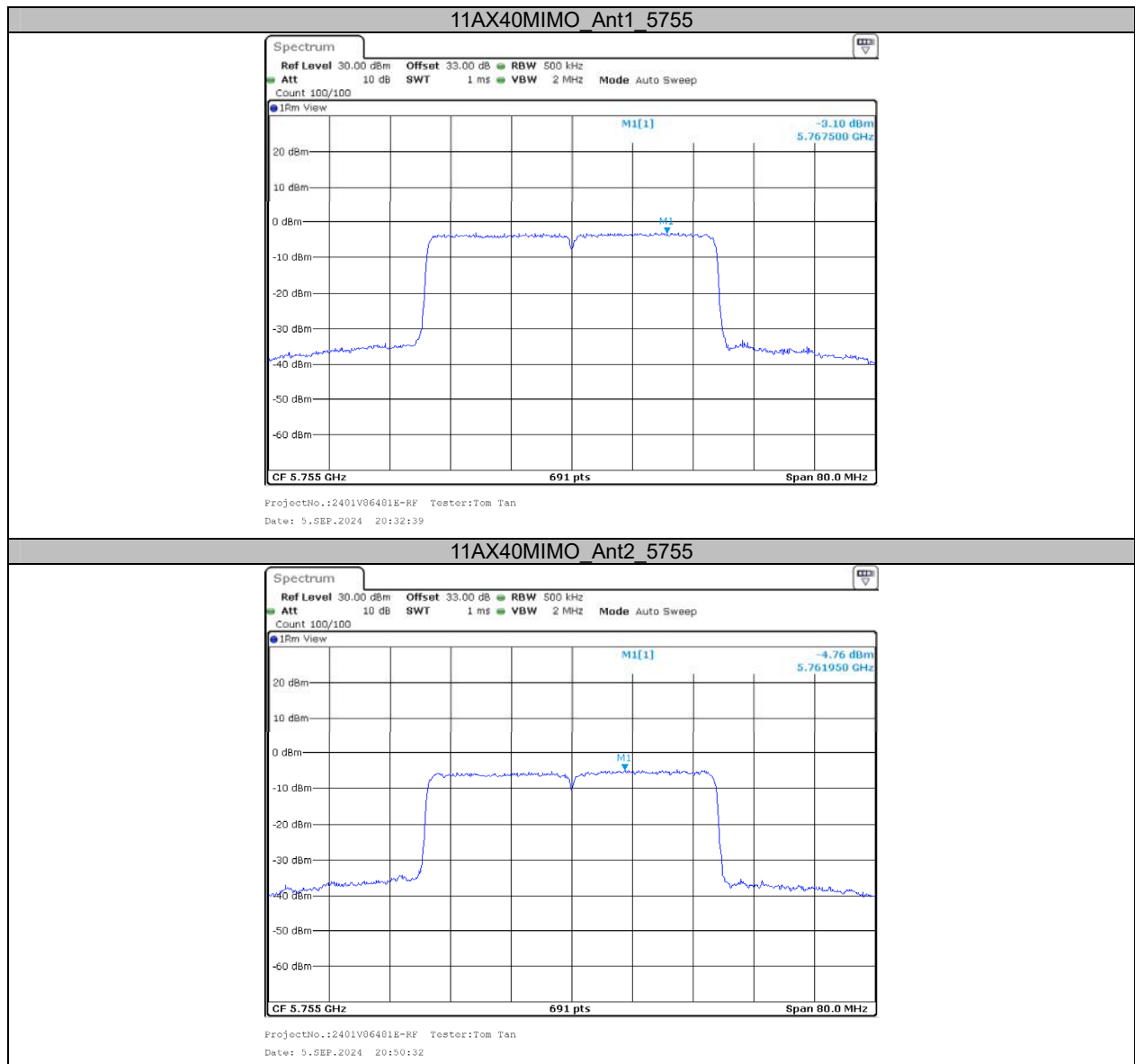


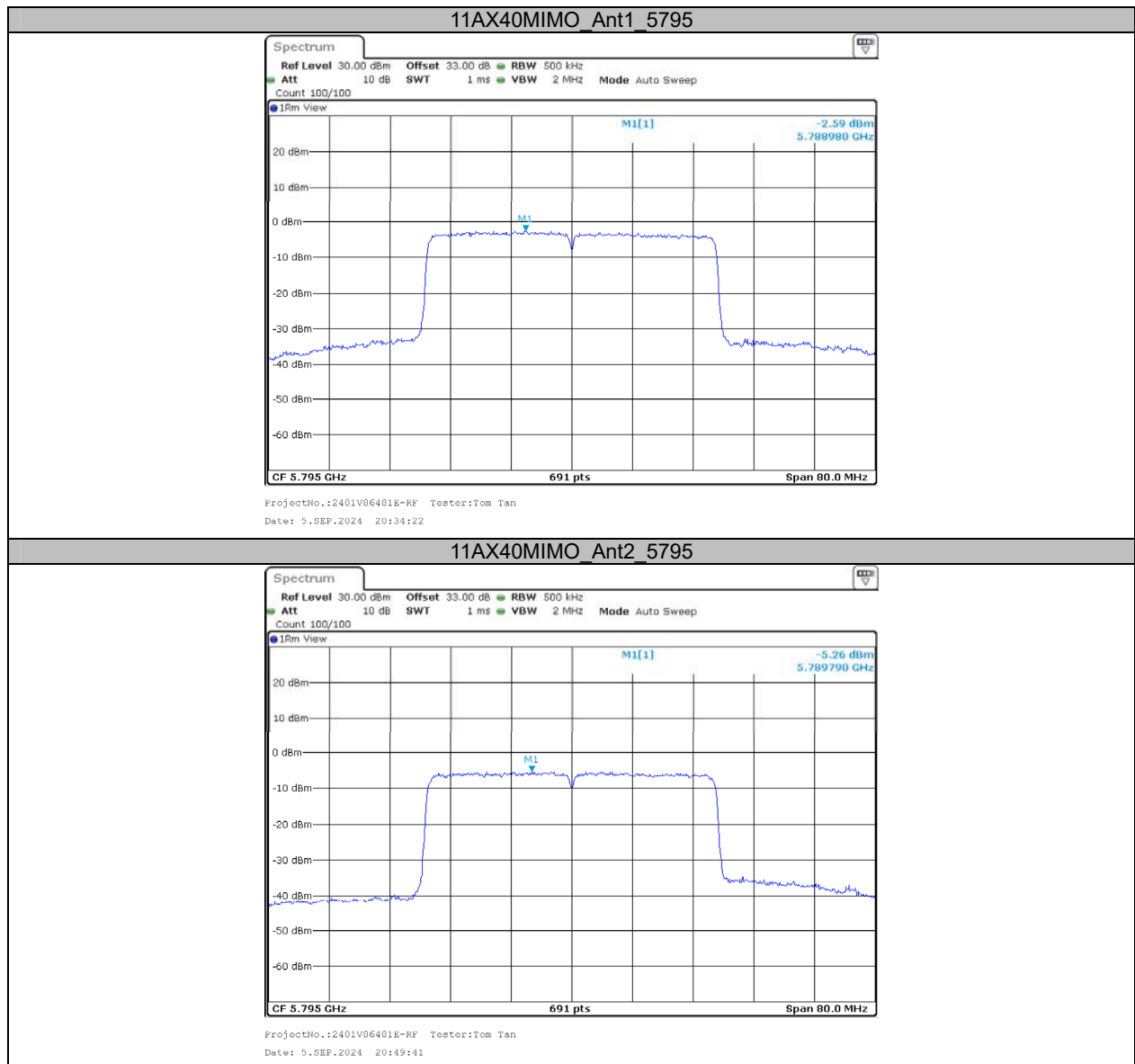


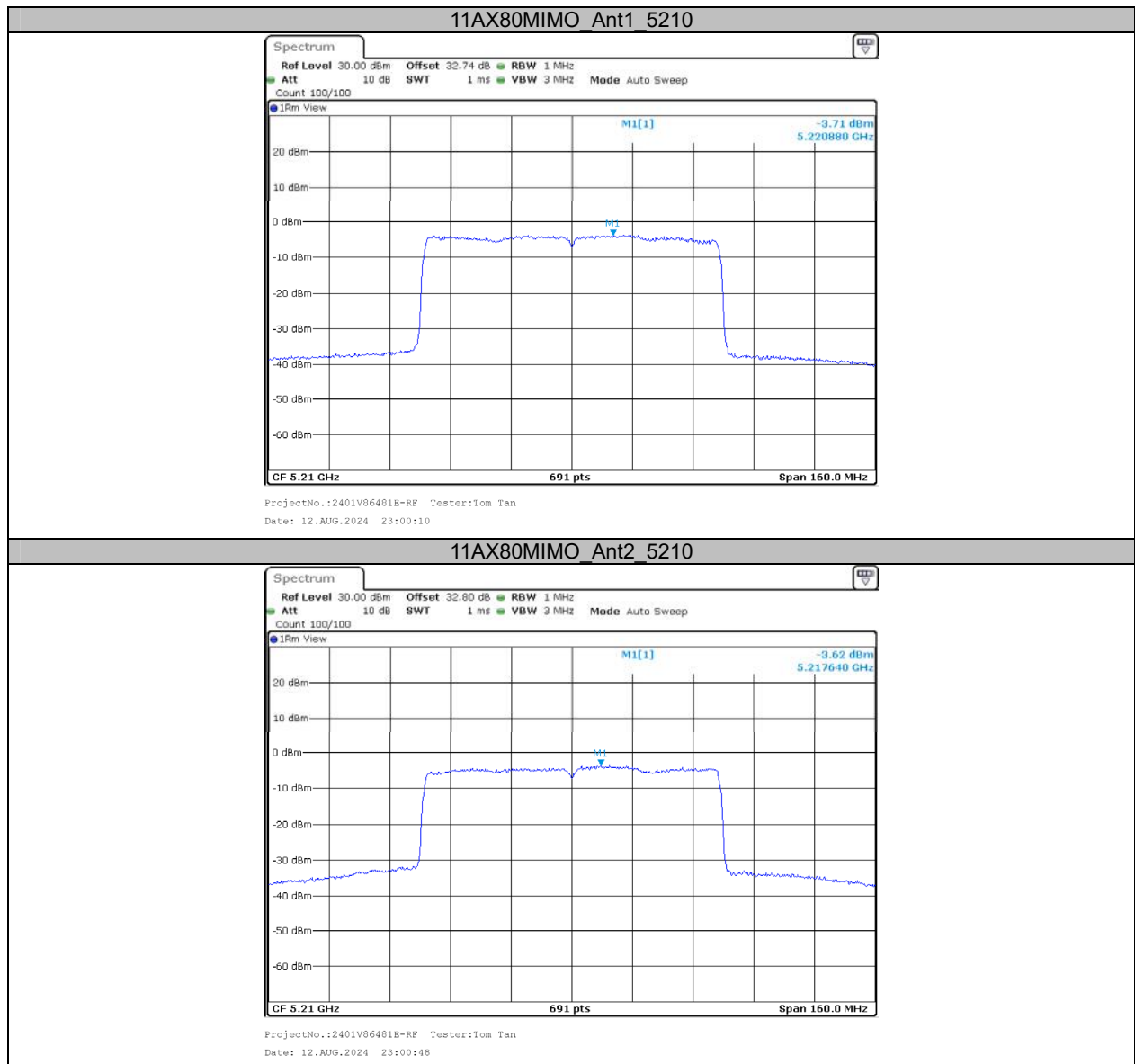


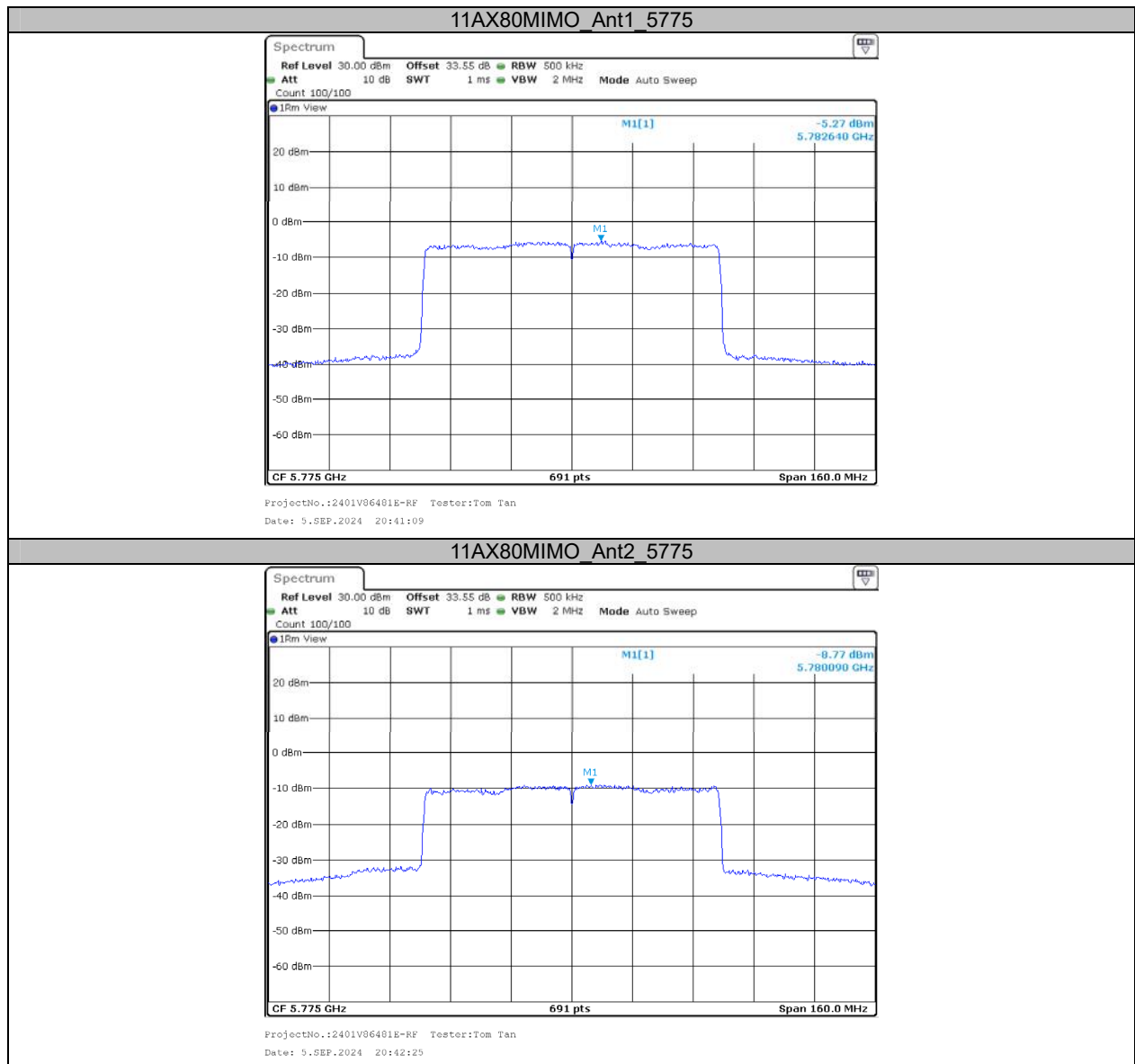












Appendix D: Duty Cycle**Test Result**

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T[Hz]	VBW Setting [Hz]
11A-CDD	Ant1	5180	0.18	0.28	64.29	1.92	5556	10000
	Ant2	5180	0.18	0.28	64.29	1.92	5556	10000
	Ant1	5200	0.18	0.28	64.29	1.92	5556	10000
	Ant2	5200	0.18	0.28	64.29	1.92	5556	10000
	Ant1	5240	0.17	0.27	62.96	2.01	5882	10000
	Ant2	5240	0.17	0.27	62.96	2.01	5882	10000
	Ant1	5745	0.18	0.28	64.29	1.92	5556	10000
	Ant2	5745	0.17	0.27	62.96	2.01	5882	10000
	Ant1	5785	0.17	0.27	62.96	2.01	5882	10000
	Ant2	5785	0.18	0.28	64.29	1.92	5556	10000
	Ant1	5825	0.18	0.28	64.29	1.92	5556	10000
	Ant2	5825	0.18	0.28	64.29	1.92	5556	10000
11AC20MIMO	Ant1	5180	1.32	1.42	92.96	0.32	758	1000
	Ant2	5180	1.31	1.41	92.91	0.32	763	1000
	Ant1	5200	1.31	1.41	92.91	0.32	763	1000
	Ant2	5200	1.31	1.41	92.91	0.32	763	1000
	Ant1	5240	1.31	1.41	92.91	0.32	763	1000
	Ant2	5240	1.31	1.41	92.91	0.32	763	1000
	Ant1	5745	1.31	1.41	92.91	0.32	763	1000
	Ant2	5745	1.31	1.41	92.91	0.32	763	1000
	Ant1	5785	1.31	1.41	92.91	0.32	763	1000
	Ant2	5785	1.31	1.41	92.91	0.32	763	1000
	Ant1	5825	1.31	1.41	92.91	0.32	763	1000
	Ant2	5825	1.31	1.41	92.91	0.32	763	1000
11AC40MIMO	Ant1	5190	0.65	0.75	86.67	0.62	1538	3000
	Ant2	5190	0.65	0.75	86.67	0.62	1538	3000
	Ant1	5230	0.65	0.75	86.67	0.62	1538	3000
	Ant2	5230	0.65	0.75	86.67	0.62	1538	3000
	Ant1	5755	0.65	0.75	86.67	0.62	1538	3000
	Ant2	5755	0.65	0.75	86.67	0.62	1538	3000
	Ant1	5795	0.65	0.75	86.67	0.62	1538	3000
	Ant2	5795	0.65	0.75	86.67	0.62	1538	3000
11AC80MIMO	Ant1	5210	0.32	0.42	76.19	1.18	3125	5000
	Ant2	5210	0.32	0.42	76.19	1.18	3125	5000
	Ant1	5775	0.32	0.42	76.19	1.18	3125	5000
	Ant2	5775	0.32	0.42	76.19	1.18	3125	5000
11AX20MIMO	Ant1	5180	1.02	1.12	91.07	0.41	980	1000
	Ant2	5180	1.02	1.12	91.07	0.41	980	1000
	Ant1	5200	1.02	1.12	91.07	0.41	980	1000
	Ant2	5200	1.02	1.12	91.07	0.41	980	1000
	Ant1	5240	1.02	1.12	91.07	0.41	980	1000
	Ant2	5240	1.02	1.12	91.07	0.41	980	1000
	Ant1	5745	1.02	1.12	91.07	0.41	980	1000
	Ant2	5745	1.02	1.12	91.07	0.41	980	1000
	Ant1	5785	1.02	1.12	91.07	0.41	980	1000
	Ant2	5785	1.02	1.12	91.07	0.41	980	1000
	Ant1	5825	1.02	1.12	91.07	0.41	980	1000
	Ant2	5825	1.02	1.12	91.07	0.41	980	1000
11AX40MIMO	Ant1	5190	0.54	0.64	84.38	0.74	1852	3000
	Ant2	5190	0.54	0.64	84.38	0.74	1852	3000
	Ant1	5230	0.54	0.64	84.38	0.74	1852	3000
	Ant2	5230	0.54	0.64	84.38	0.74	1852	3000
	Ant1	5755	0.55	0.64	85.93	0.66	1818	3000

	Ant2	5755	0.55	0.64	85.93	0.66	1818	3000
	Ant1	5795	0.55	0.64	85.93	0.66	1818	3000
	Ant2	5795	0.55	0.64	85.93	0.66	1818	3000
11AX80MIMO	Ant1	5210	0.29	0.39	74.36	1.29	3448	5000
	Ant2	5210	0.29	0.39	74.36	1.29	3448	5000
	Ant1	5775	0.29	0.39	74.36	1.29	3448	5000
	Ant2	5775	0.29	0.39	74.36	1.29	3448	5000

Test Graphs





