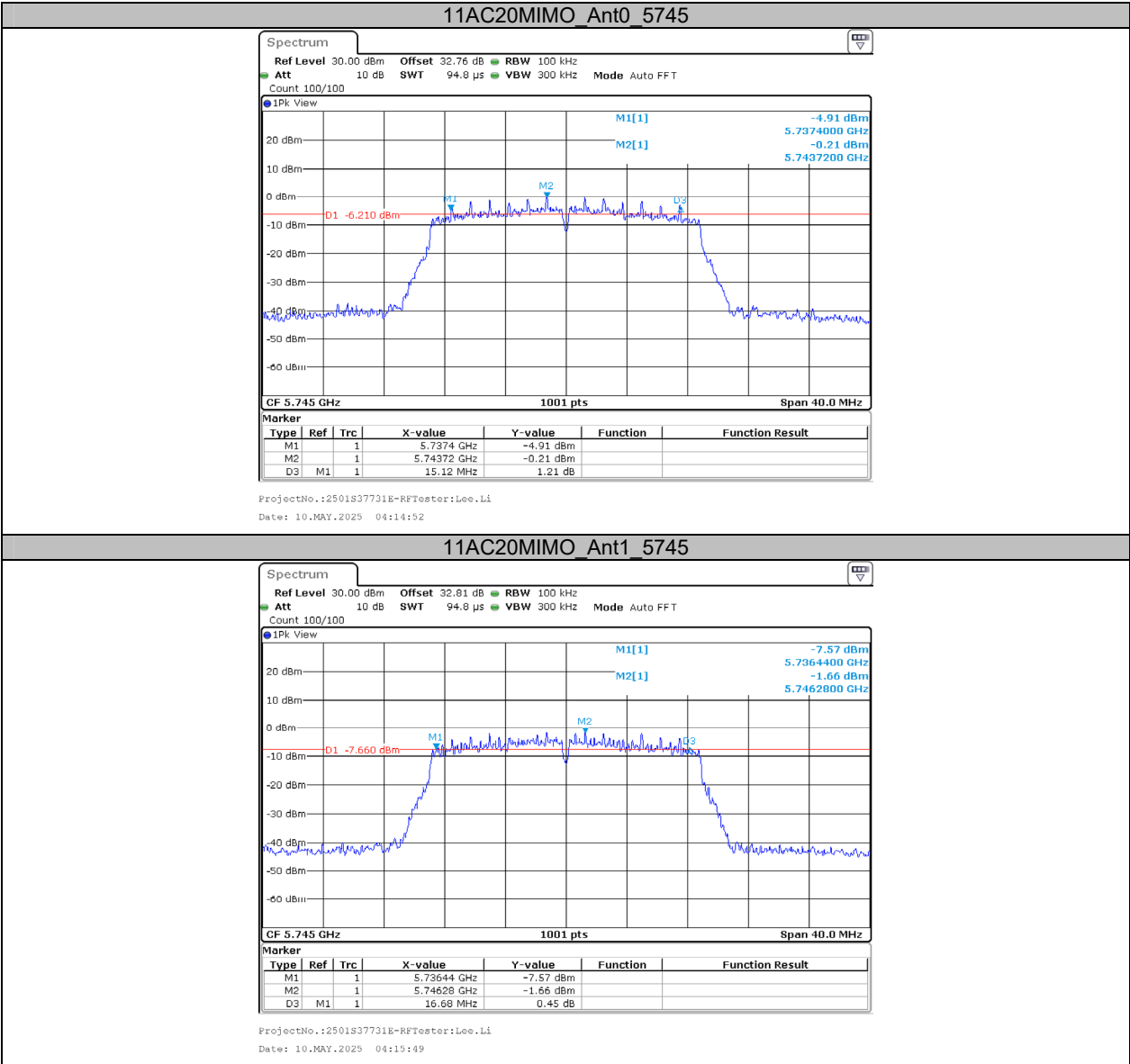
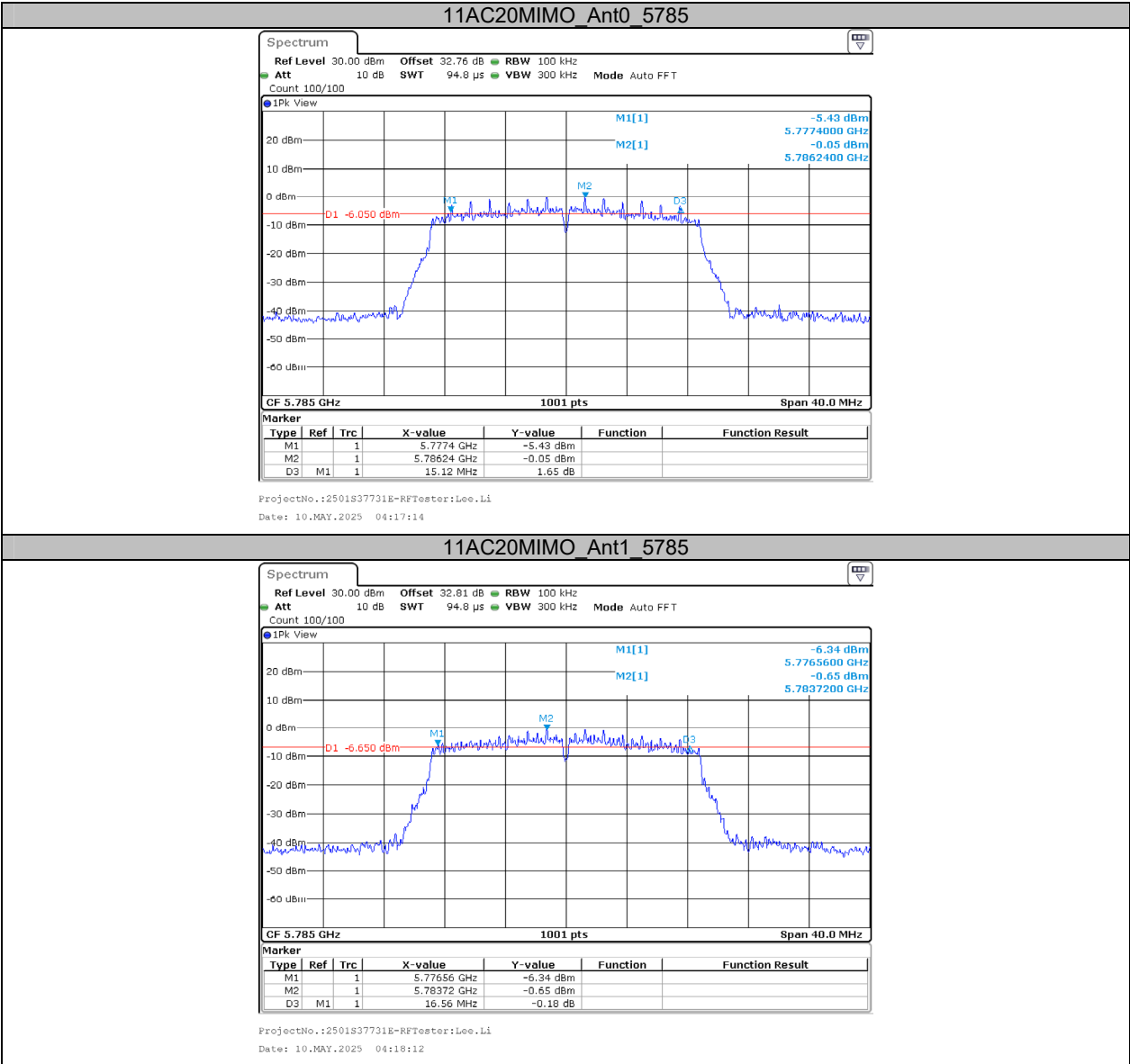
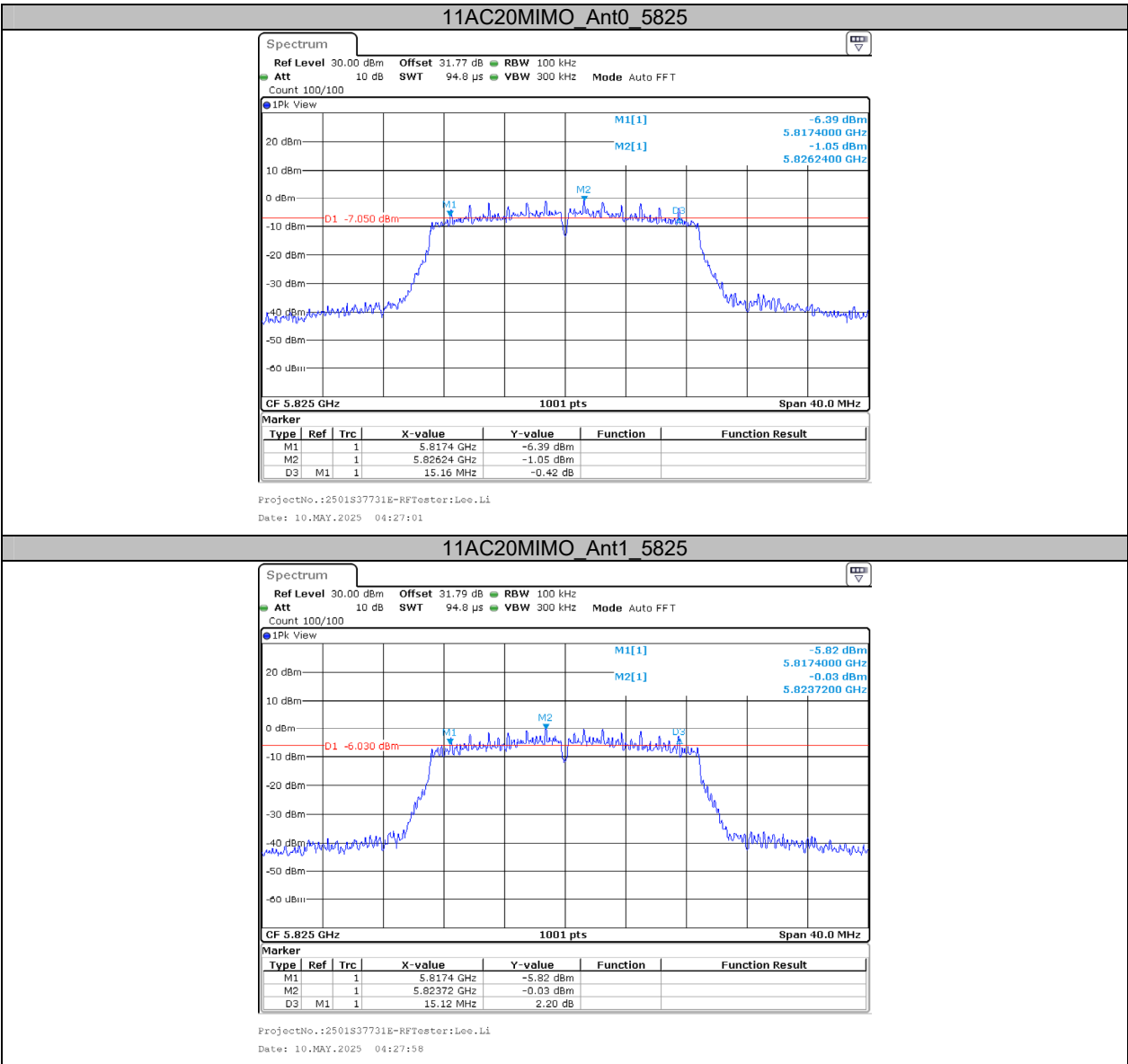
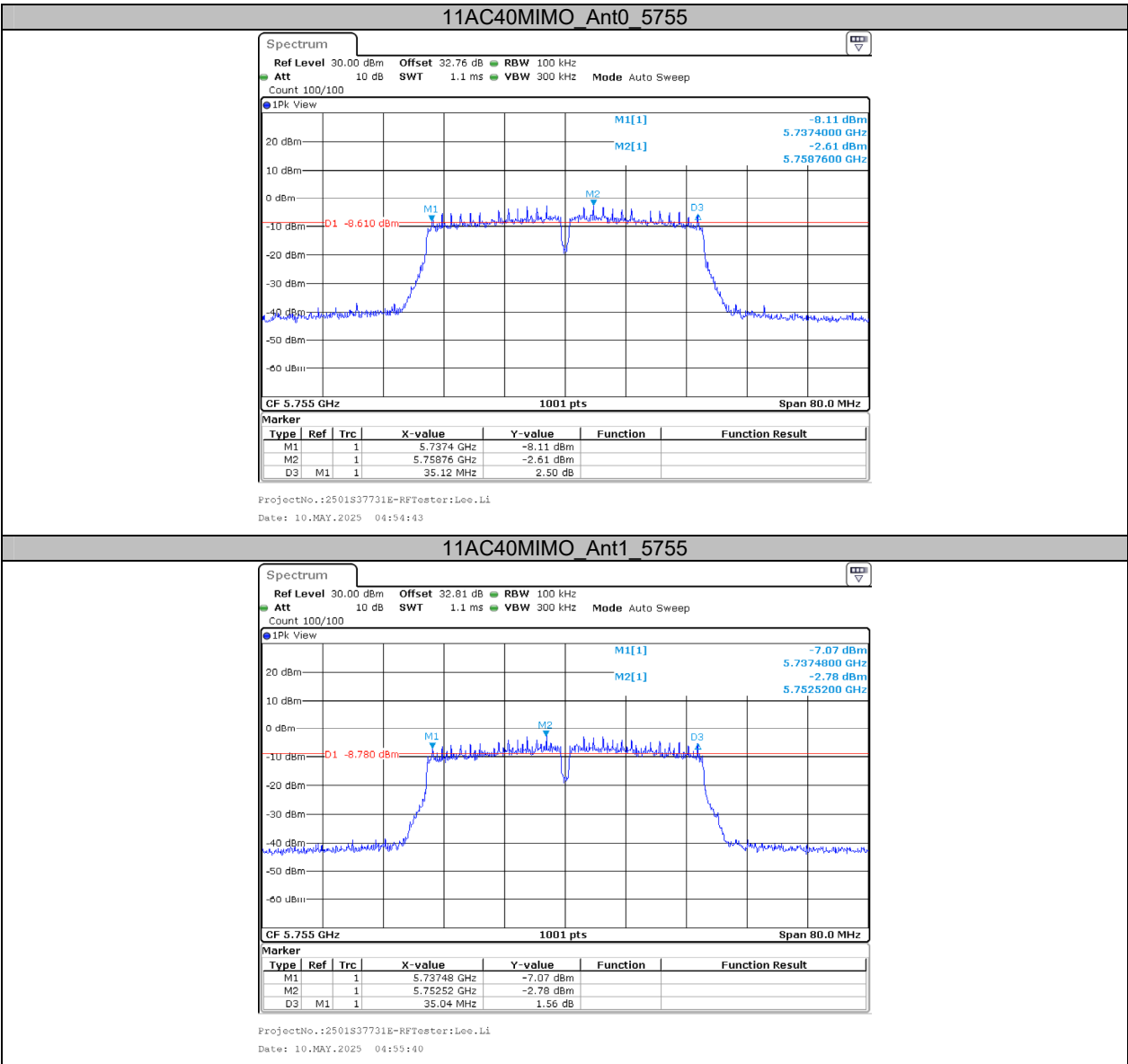
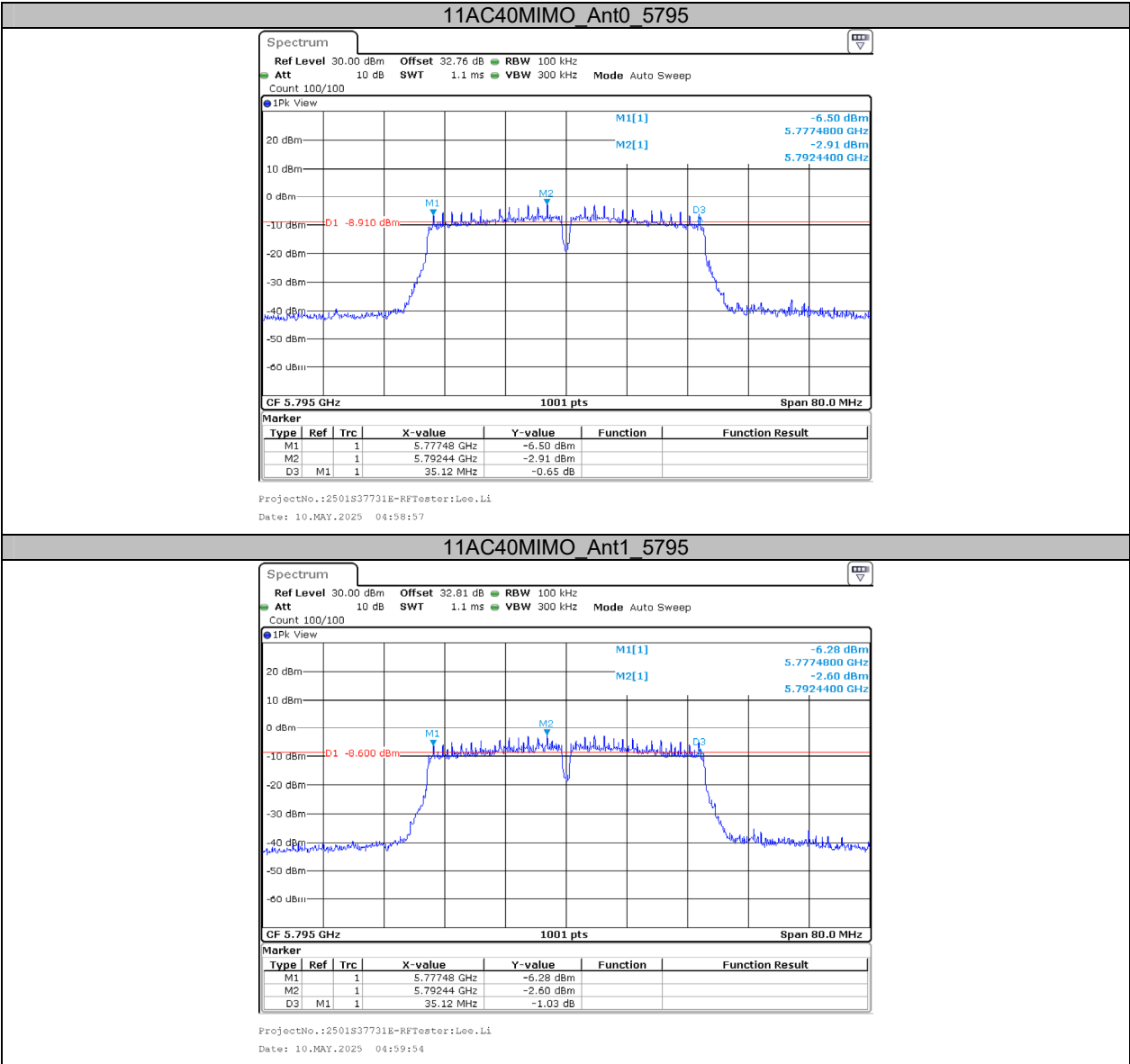


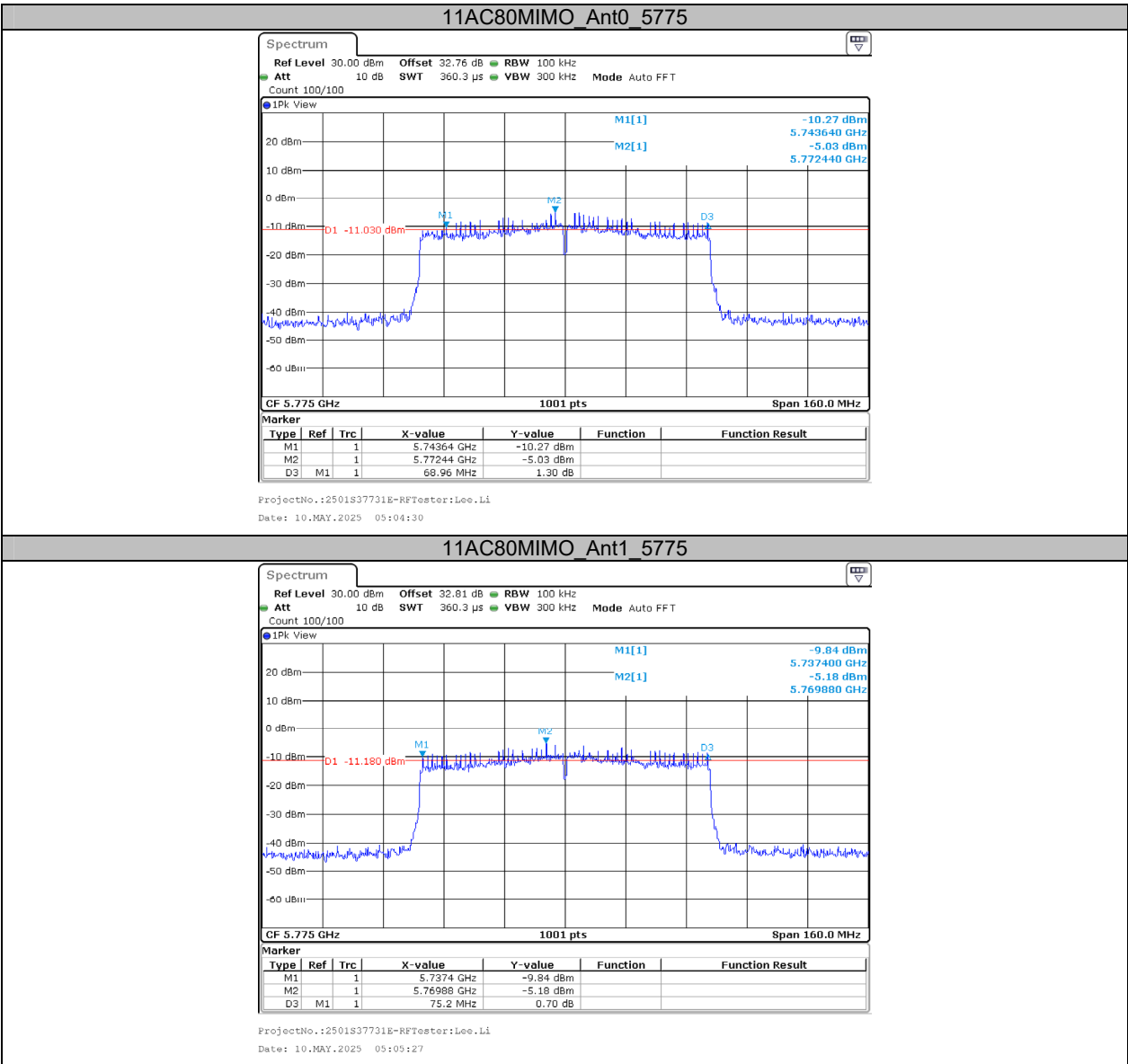








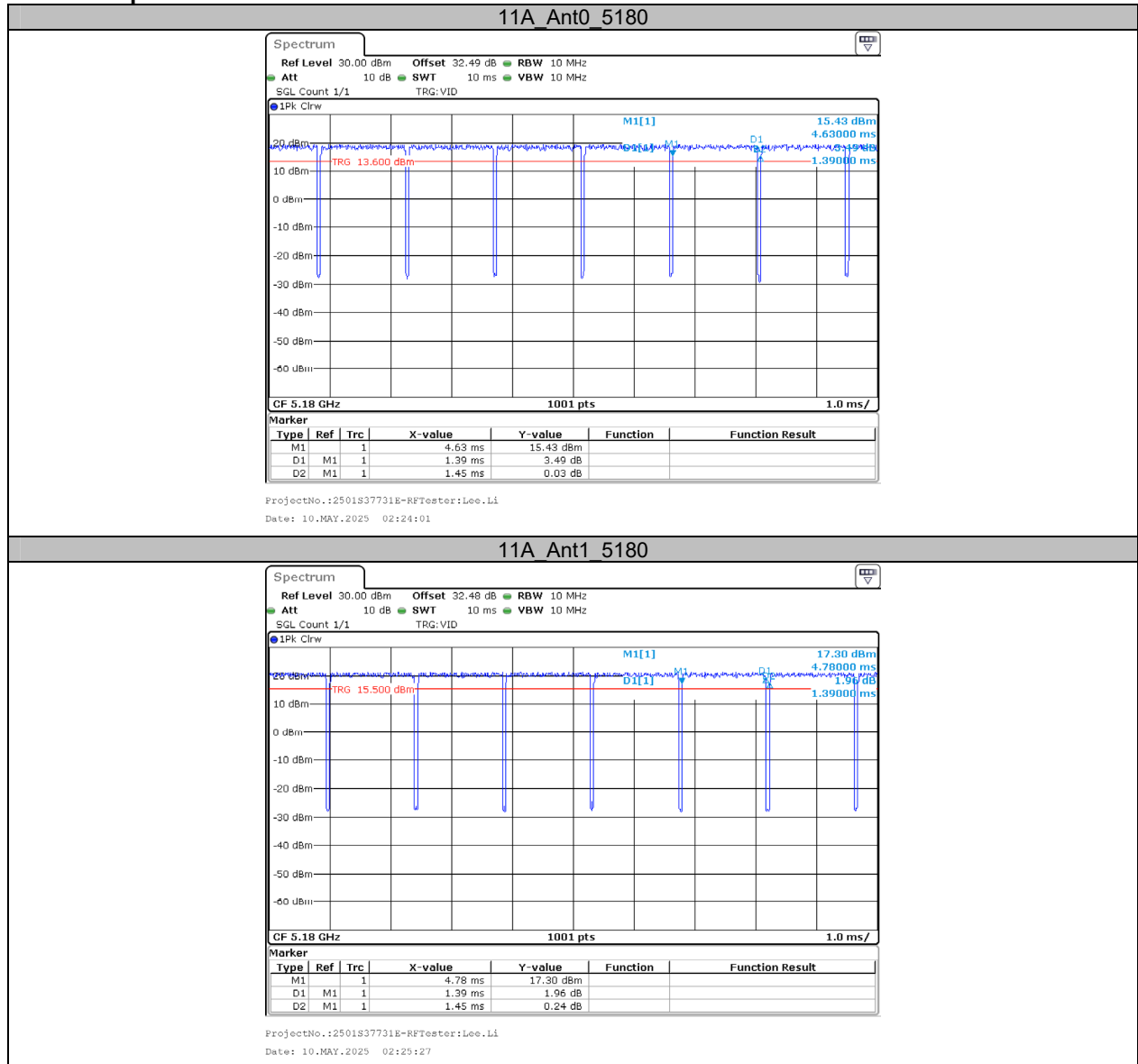


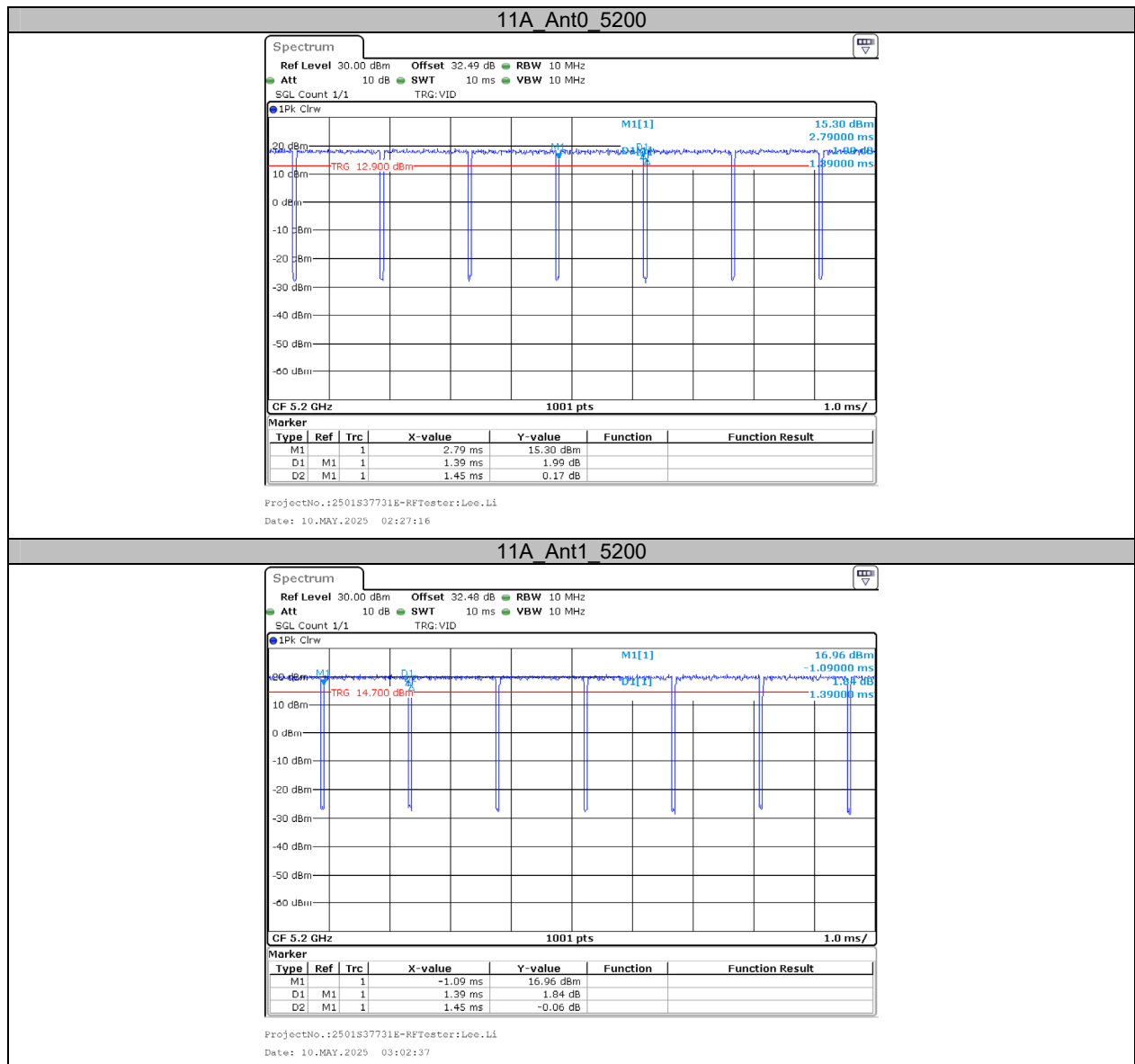


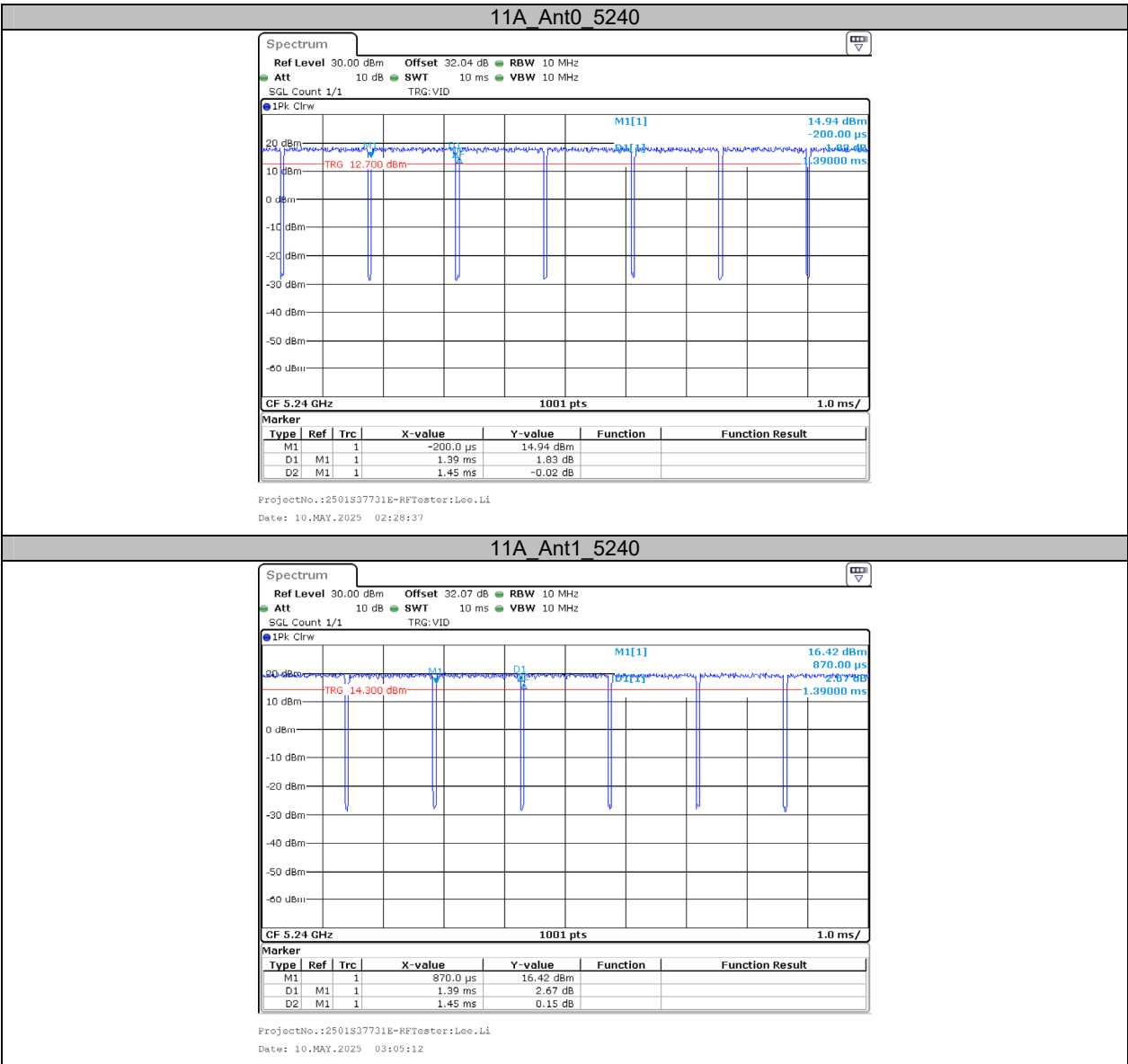
Appendix B: Duty Cycle**Test Result**

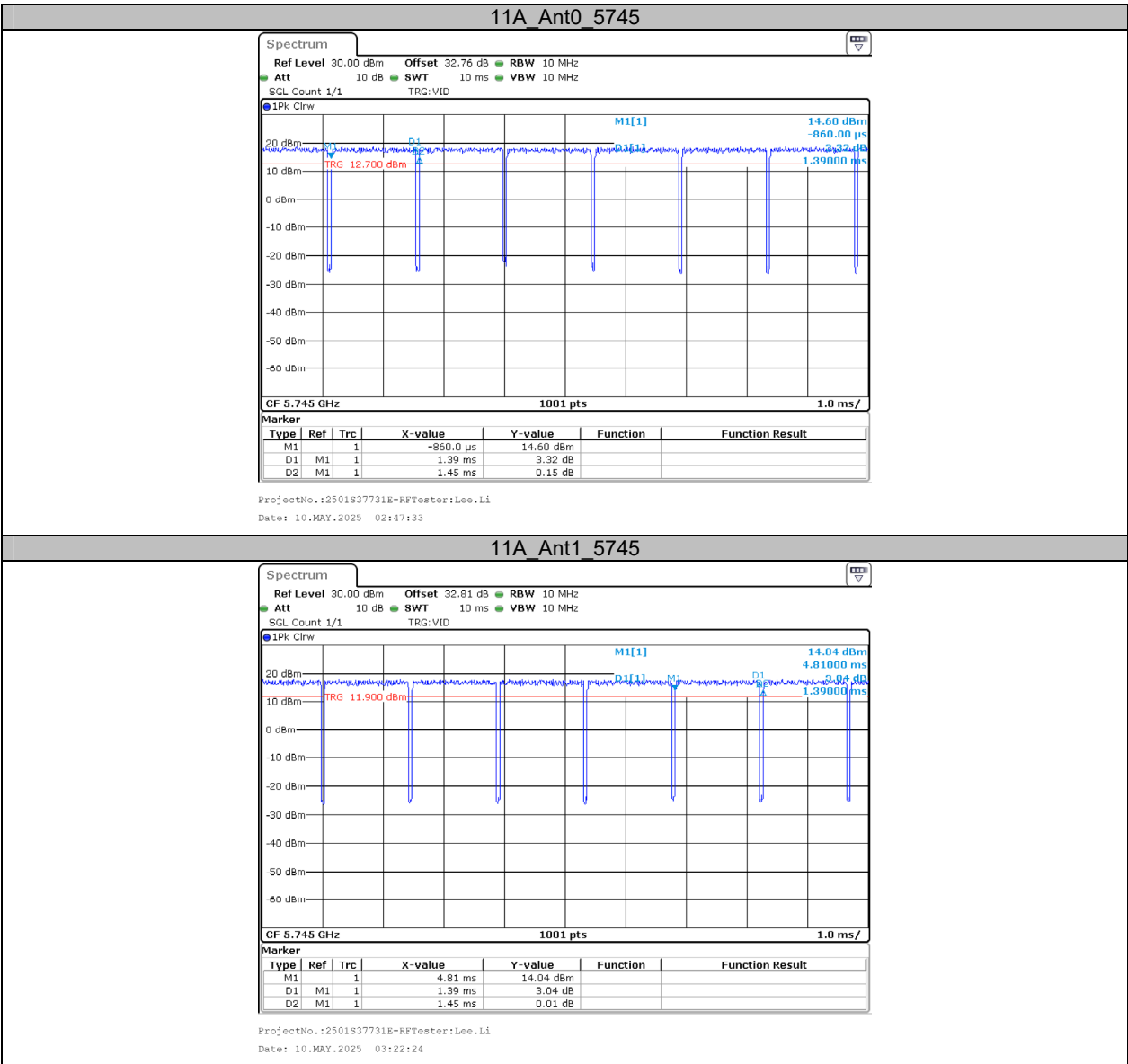
Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]	1/T [Hz]	VBW Setting [kHz]
11A	Ant0	5180	1.39	1.45	95.86	0.18	719	1
	Ant1	5180	1.39	1.45	95.86	0.18	719	1
	Ant0	5200	1.39	1.45	95.86	0.18	719	1
	Ant1	5200	1.39	1.45	95.86	0.18	719	1
	Ant0	5240	1.39	1.45	95.86	0.18	719	1
	Ant1	5240	1.39	1.45	95.86	0.18	719	1
	Ant0	5745	1.39	1.45	95.86	0.18	719	1
	Ant1	5745	1.39	1.45	95.86	0.18	719	1
	Ant0	5785	1.39	1.45	95.86	0.18	719	1
	Ant1	5785	1.39	1.45	95.86	0.18	719	1
11AC20MIMO	Ant0	5180	1.31	1.37	95.62	0.19	763	1
	Ant1	5180	1.31	1.37	95.62	0.19	763	1
	Ant0	5200	1.31	1.37	95.62	0.19	763	1
	Ant1	5200	1.31	1.37	95.62	0.19	763	1
	Ant0	5240	1.31	1.37	95.62	0.19	763	1
	Ant1	5240	1.31	1.37	95.62	0.19	763	1
	Ant0	5745	1.31	1.37	95.62	0.19	763	1
	Ant1	5745	1.31	1.37	95.62	0.19	763	1
	Ant0	5785	1.31	1.37	95.62	0.19	763	1
	Ant1	5785	1.31	1.37	95.62	0.19	763	1
11AC40MIMO	Ant0	5190	0.65	0.71	91.55	0.38	1538	2
	Ant1	5190	0.65	0.71	91.55	0.38	1538	2
	Ant0	5230	0.65	0.71	91.55	0.38	1538	2
	Ant1	5230	0.65	0.71	91.55	0.38	1538	2
	Ant0	5755	0.65	0.71	91.55	0.38	1538	2
	Ant1	5755	0.65	0.71	91.55	0.38	1538	2
	Ant0	5795	0.65	0.71	91.55	0.38	1538	2
	Ant1	5795	0.65	0.71	91.55	0.38	1538	2
11AC80MIMO	Ant0	5210	0.32	0.38	84.21	0.75	3125	5
	Ant1	5210	0.32	0.38	84.21	0.75	3125	5
	Ant0	5775	0.32	0.38	84.21	0.75	3125	5
	Ant1	5775	0.32	0.38	84.21	0.75	3125	5

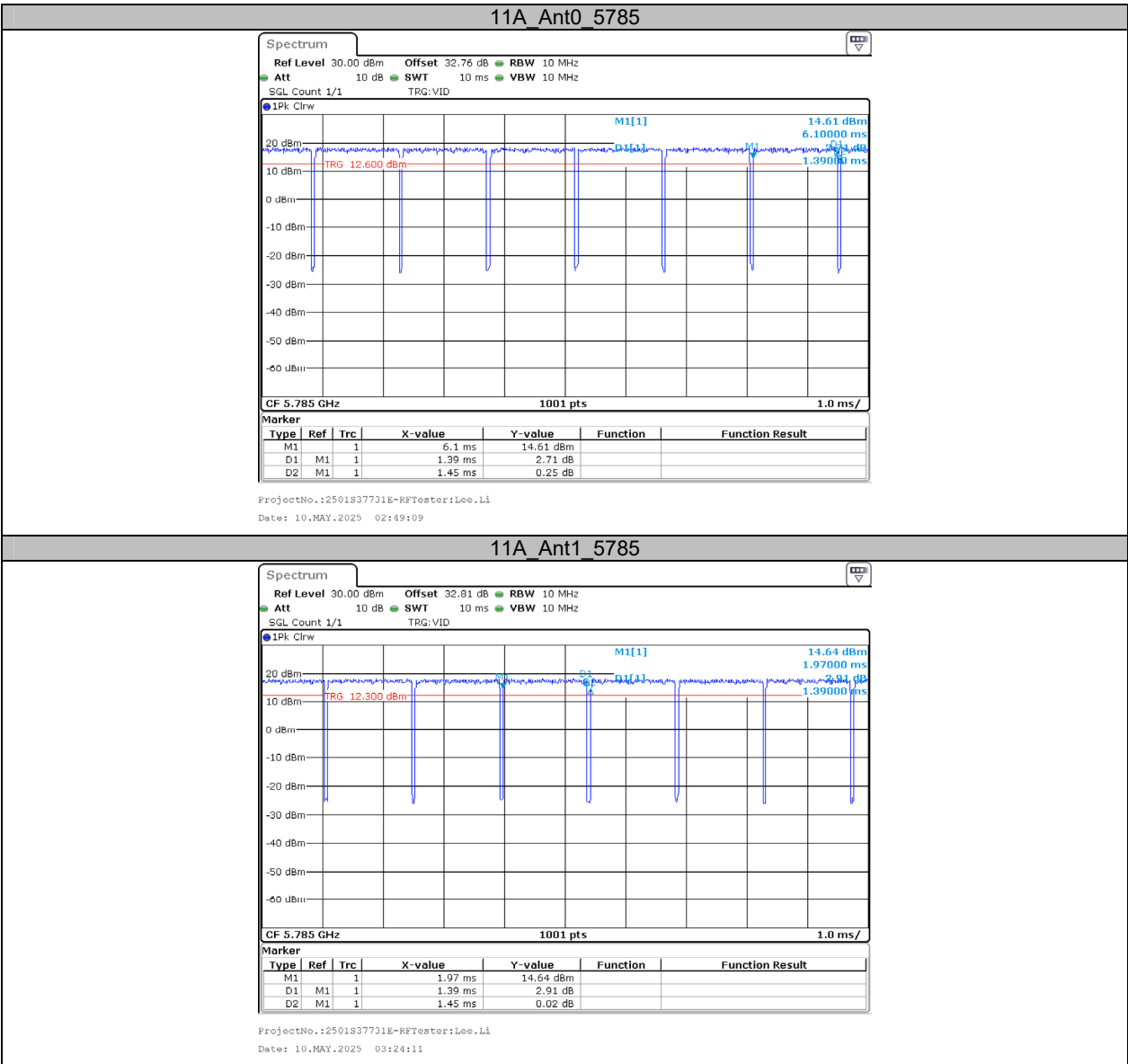
Test Graphs

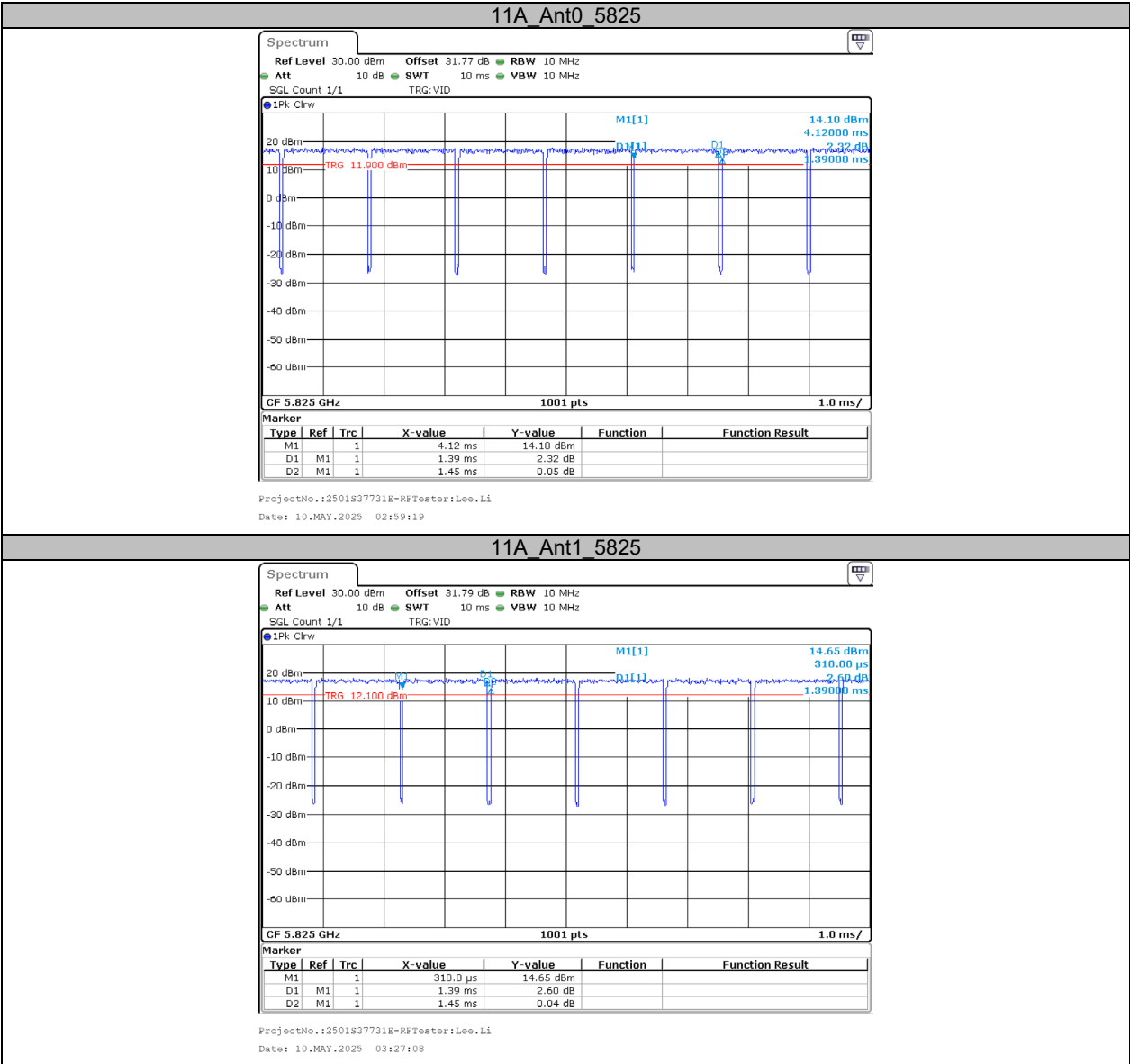


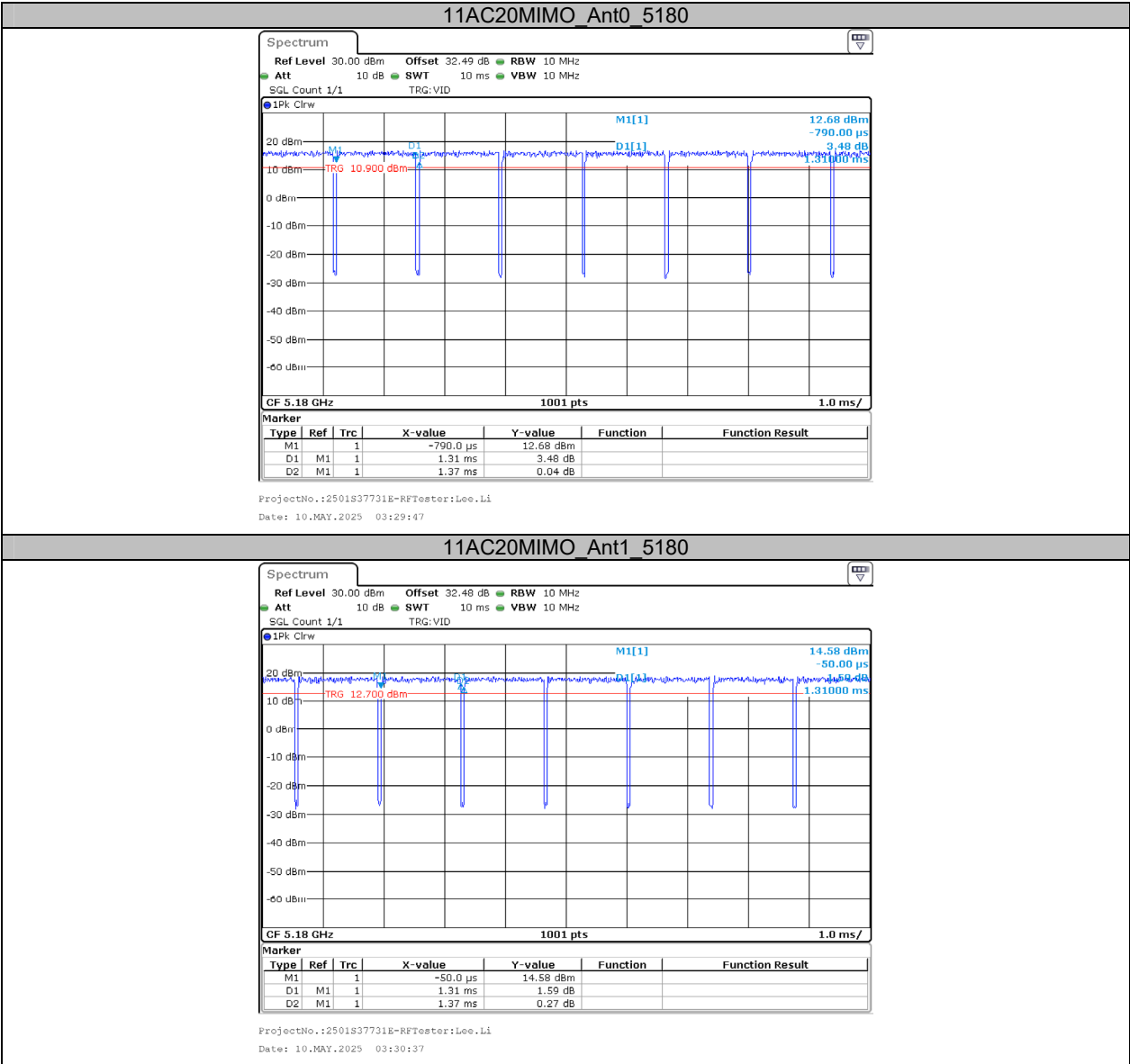




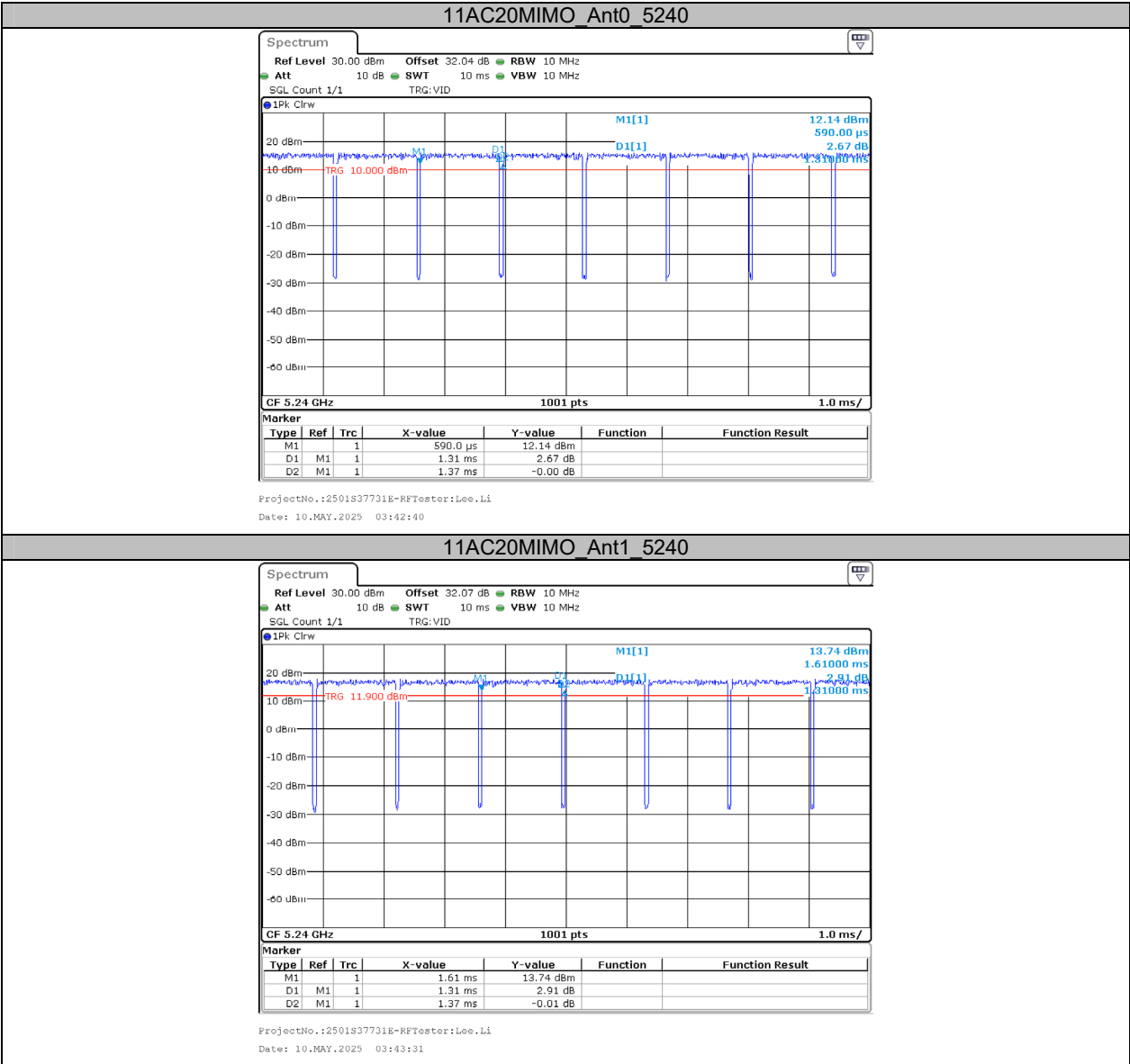


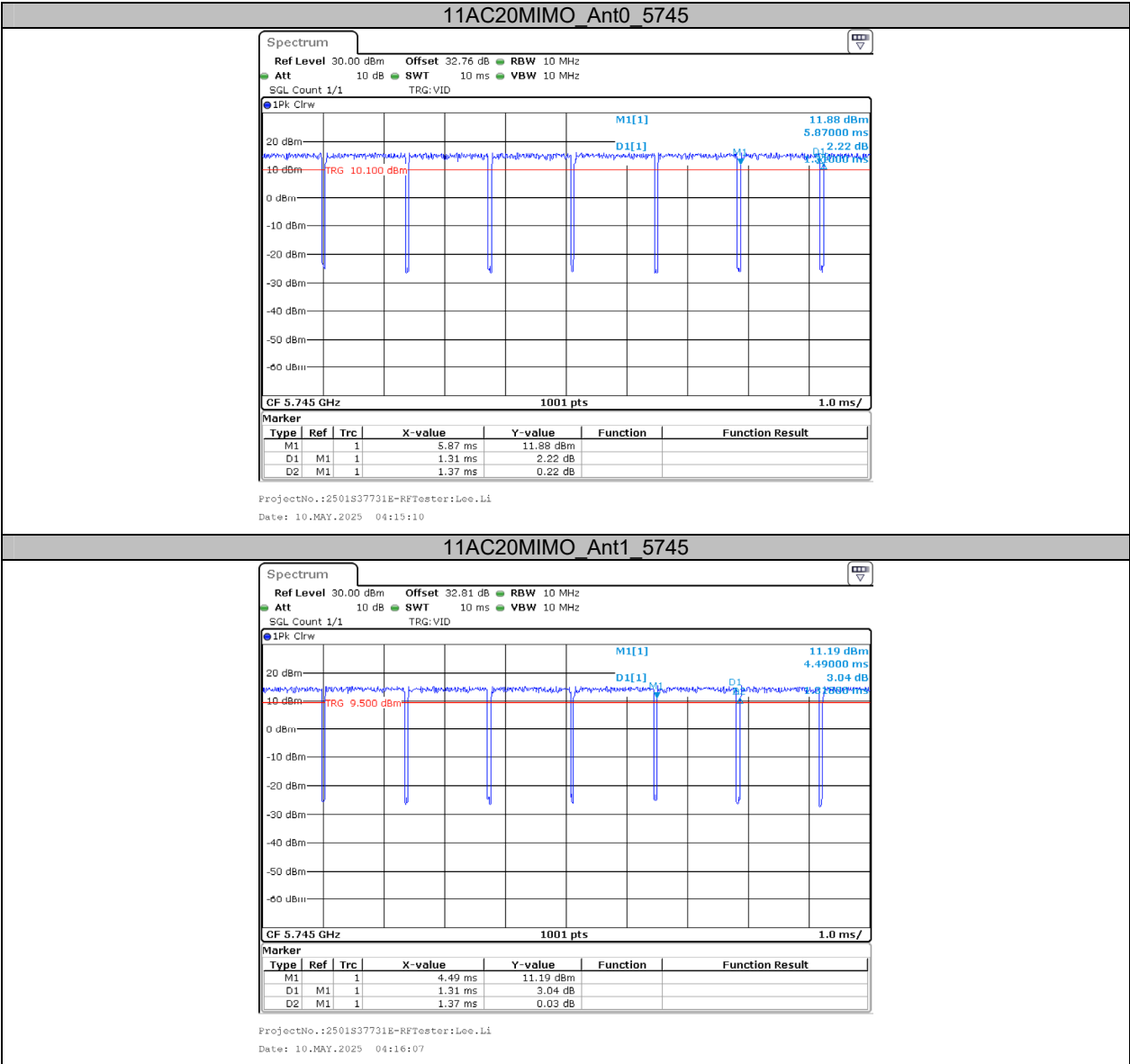




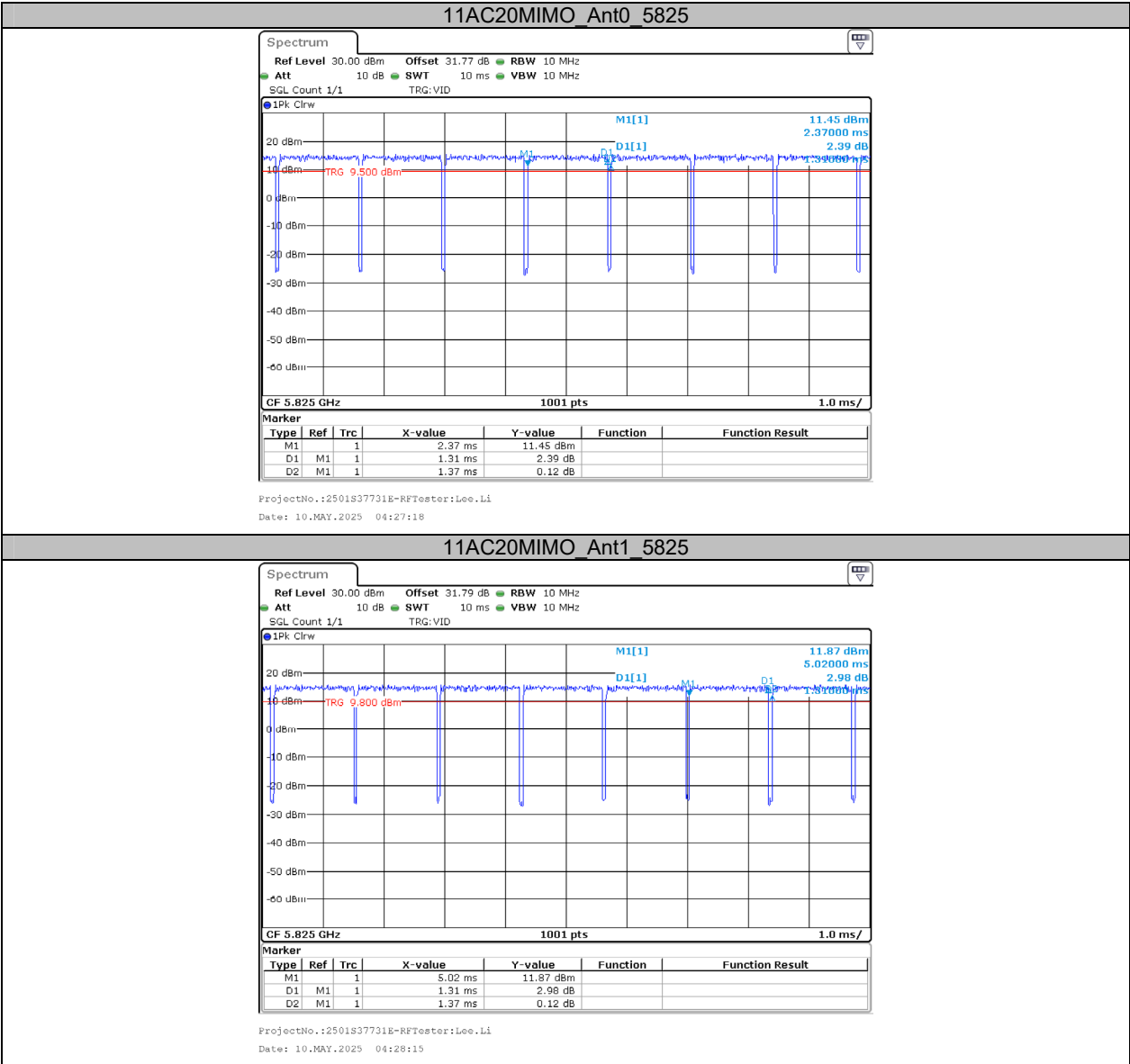










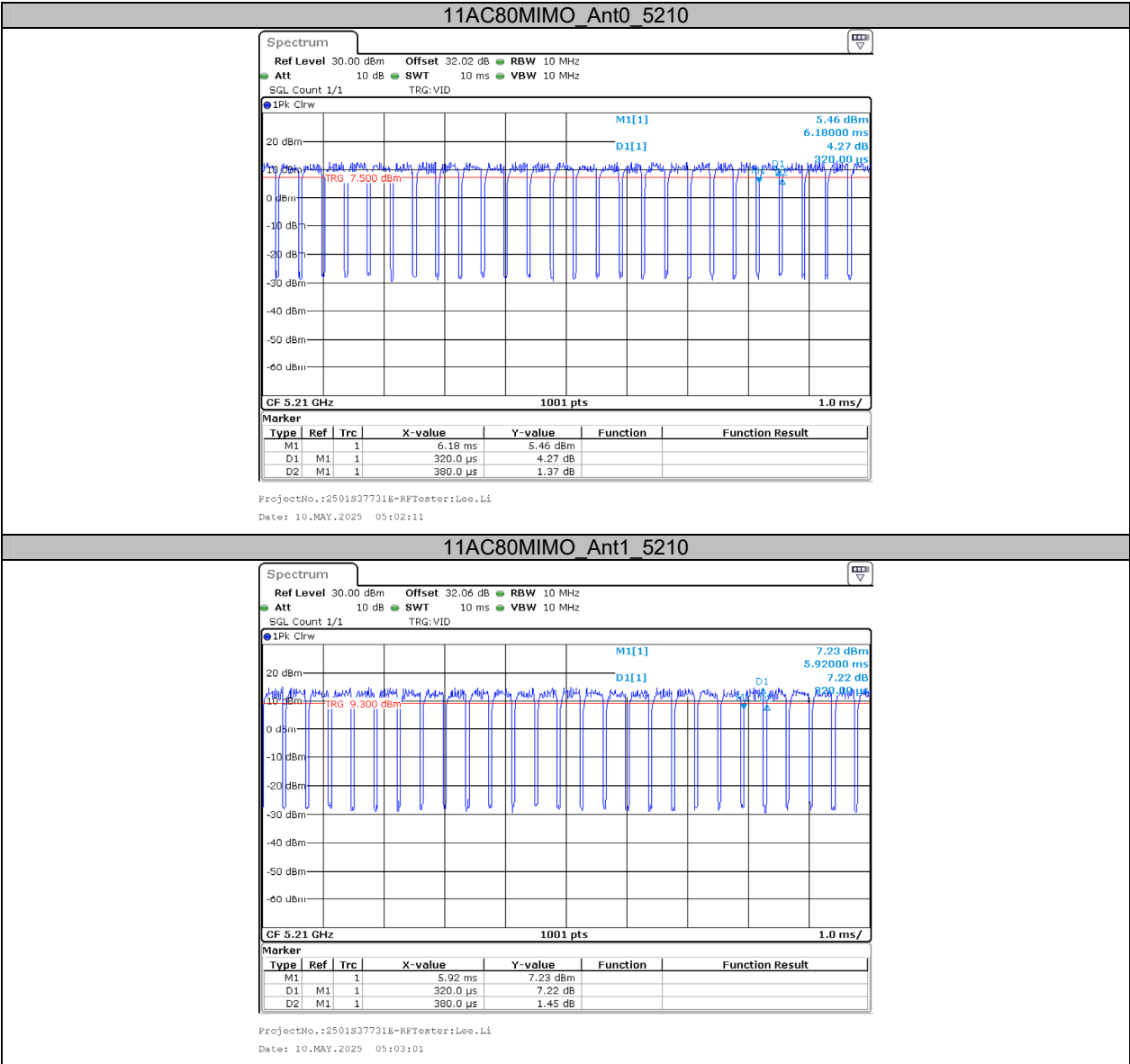


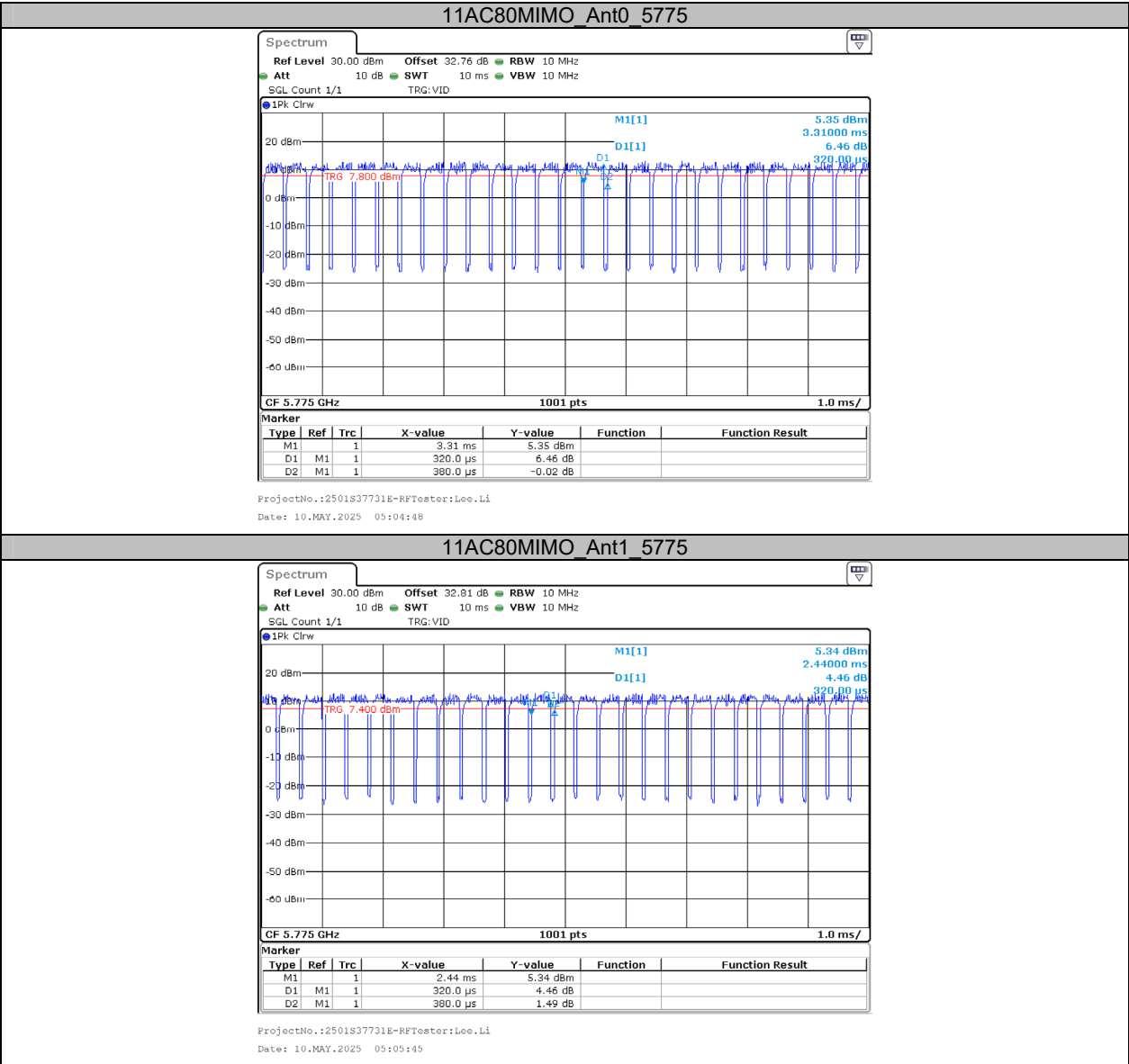












Appendix C: Maximum conducted output power**Test Result**

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant0	5180	14.01	≤23.98	PASS
	Ant1	5180	15.90	≤23.98	PASS
	Ant0	5200	13.80	≤23.98	PASS
	Ant1	5200	15.38	≤23.98	PASS
	Ant0	5240	13.47	≤23.98	PASS
	Ant1	5240	14.97	≤23.98	PASS
	Ant0	5745	13.18	≤30.00	PASS
	Ant1	5745	12.57	≤30.00	PASS
	Ant0	5785	13.19	≤30.00	PASS
	Ant1	5785	13.04	≤30.00	PASS
	Ant0	5825	12.51	≤30.00	PASS
	Ant1	5825	12.97	≤30.00	PASS
11AC20MIMO	Ant0	5180	11.11	≤23.98	PASS
	Ant1	5180	13.21	≤23.98	PASS
	total	5180	15.30	≤23.98	PASS
	Ant0	5200	10.88	≤23.98	PASS
	Ant1	5200	13.06	≤23.98	PASS
	total	5200	15.12	≤23.98	PASS
	Ant0	5240	10.58	≤23.98	PASS
	Ant1	5240	12.40	≤23.98	PASS
	total	5240	14.59	≤23.98	PASS
	Ant0	5745	10.34	≤30.00	PASS
	Ant1	5745	9.98	≤30.00	PASS
	total	5745	13.17	≤30.00	PASS
	Ant0	5785	10.28	≤30.00	PASS
	Ant1	5785	10.53	≤30.00	PASS
	total	5785	13.42	≤30.00	PASS
	Ant0	5825	9.73	≤30.00	PASS
	Ant1	5825	10.37	≤30.00	PASS
	total	5825	13.07	≤30.00	PASS
11AC40MIMO	Ant0	5190	11.00	≤23.98	PASS
	Ant1	5190	13.04	≤23.98	PASS
	total	5190	15.15	≤23.98	PASS
	Ant0	5230	10.89	≤23.98	PASS
	Ant1	5230	12.69	≤23.98	PASS
	total	5230	14.89	≤23.98	PASS
	Ant0	5755	10.54	≤30.00	PASS
	Ant1	5755	10.24	≤30.00	PASS
	total	5755	13.40	≤30.00	PASS
	Ant0	5795	10.26	≤30.00	PASS
	Ant1	5795	10.60	≤30.00	PASS
	total	5795	13.44	≤30.00	PASS

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11AC80MIMO	Ant0	5210	10.60	≤23.98	PASS
	Ant1	5210	12.52	≤23.98	PASS
	total	5210	14.68	≤23.98	PASS
	Ant0	5775	10.39	≤30.00	PASS
	Ant1	5775	10.31	≤30.00	PASS
	total	5775	13.36	≤30.00	PASS
Note: For 802.11n/ac modes, the device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01:					
•					

Appendix D: Maximum power spectral density**Test Result**

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant0	5180	3.65	≤11.00	PASS
	Ant1	5180	5.61	≤11.00	PASS
	Ant0	5200	3.47	≤11.00	PASS
	Ant1	5200	5.08	≤11.00	PASS
	Ant0	5240	2.94	≤11.00	PASS
	Ant1	5240	4.57	≤11.00	PASS
	Ant0	5745	0.00	≤30.00	PASS
	Ant1	5745	-0.59	≤30.00	PASS
	Ant0	5785	0.15	≤30.00	PASS
	Ant1	5785	0.13	≤30.00	PASS
	Ant0	5825	-0.34	≤30.00	PASS
	Ant1	5825	-0.19	≤30.00	PASS
11AC20MIMO	Ant0	5180	0.66	≤11.00	PASS
	Ant1	5180	2.85	≤11.00	PASS
	total	5180	4.90	≤11.00	PASS
	Ant0	5200	0.42	≤11.00	PASS
	Ant1	5200	2.74	≤11.00	PASS
	total	5200	4.74	≤11.00	PASS
	Ant0	5240	0.28	≤11.00	PASS
	Ant1	5240	1.83	≤11.00	PASS
	total	5240	4.13	≤11.00	PASS
	Ant0	5745	-3.01	≤30.00	PASS
	Ant1	5745	-3.27	≤30.00	PASS
	total	5745	-0.13	≤30.00	PASS
	Ant0	5785	-2.87	≤30.00	PASS
	Ant1	5785	-2.71	≤30.00	PASS
	total	5785	0.22	≤30.00	PASS
	Ant0	5825	-3.64	≤30.00	PASS
	Ant1	5825	-2.54	≤30.00	PASS
	total	5825	-0.04	≤30.00	PASS
11AC40MIMO	Ant0	5190	-2.57	≤11.00	PASS
	Ant1	5190	-0.53	≤11.00	PASS
	total	5190	1.58	≤11.00	PASS
	Ant0	5230	-2.68	≤11.00	PASS
	Ant1	5230	-0.77	≤11.00	PASS
	total	5230	1.39	≤11.00	PASS
	Ant0	5755	-6.25	≤30.00	PASS
	Ant1	5755	-6.37	≤30.00	PASS
	total	5755	-3.30	≤30.00	PASS
	Ant0	5795	-6.21	≤30.00	PASS
	Ant1	5795	-6.11	≤30.00	PASS
	total	5795	-3.15	≤30.00	PASS

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11AC80MIMO	Ant0	5210	-5.90	≤11.00	PASS
	Ant1	5210	-3.92	≤11.00	PASS
	total	5210	-1.79	≤11.00	PASS
	Ant0	5775	-8.78	≤30.00	PASS
	Ant1	5775	-8.70	≤30.00	PASS
	total	5775	-5.73	≤30.00	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. For 802.11n/ac modes, the device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01:

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

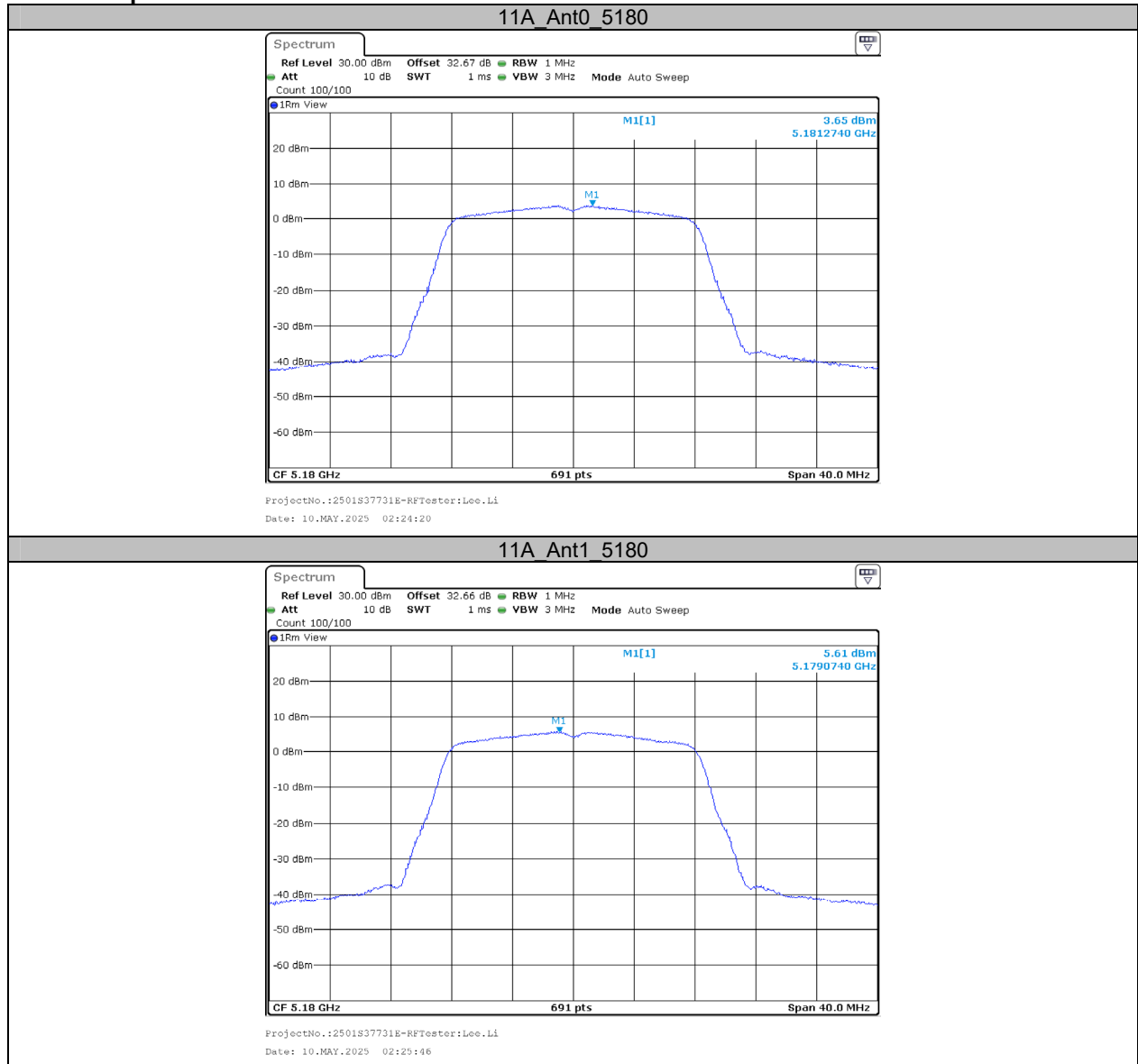
N_{ANT} = the total number of antennas

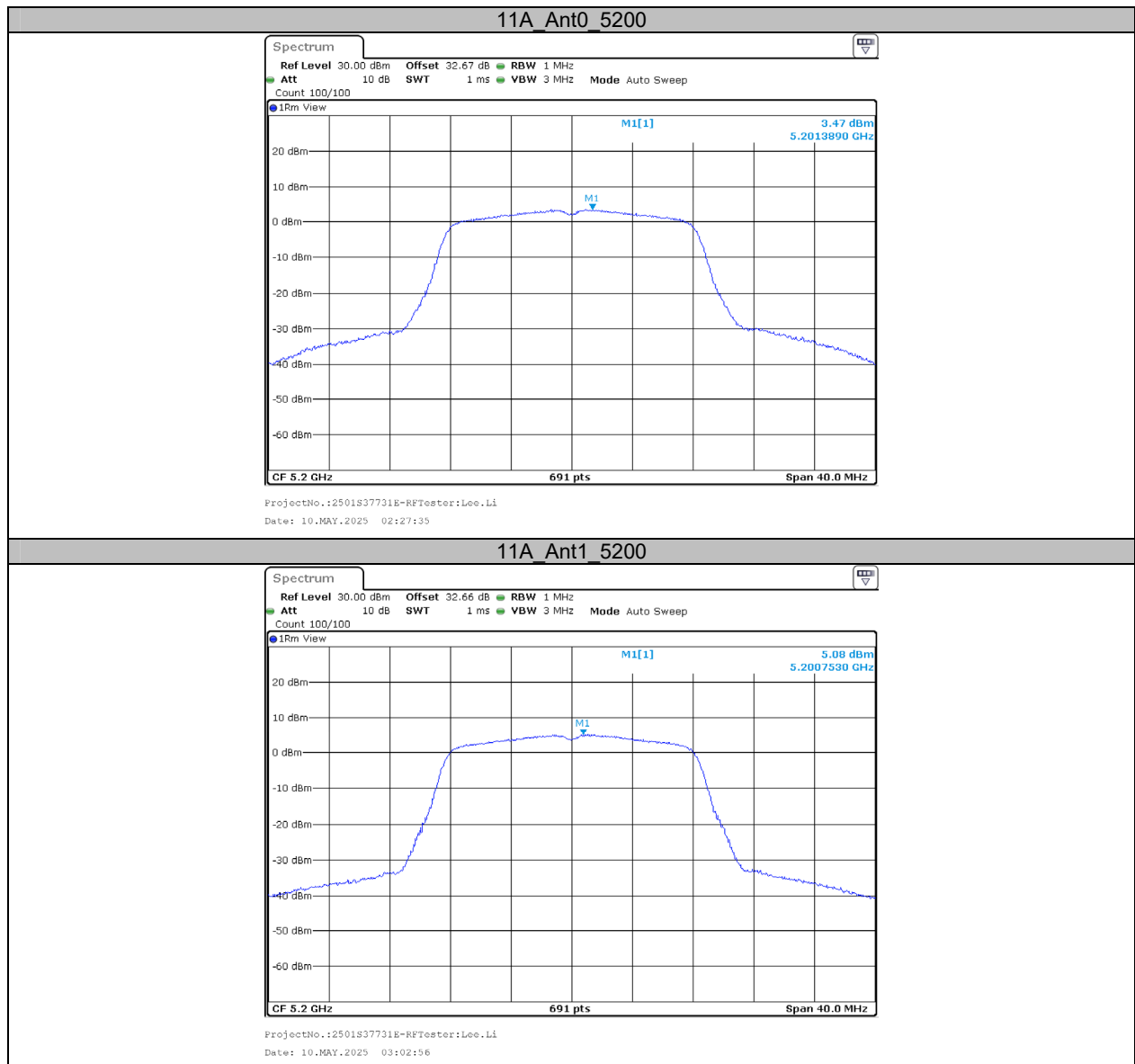
$g_{j,k} = 10^{G_k/20}$ if the k_{th} antenna is being fed by spatial stream j , or zero if it is not;

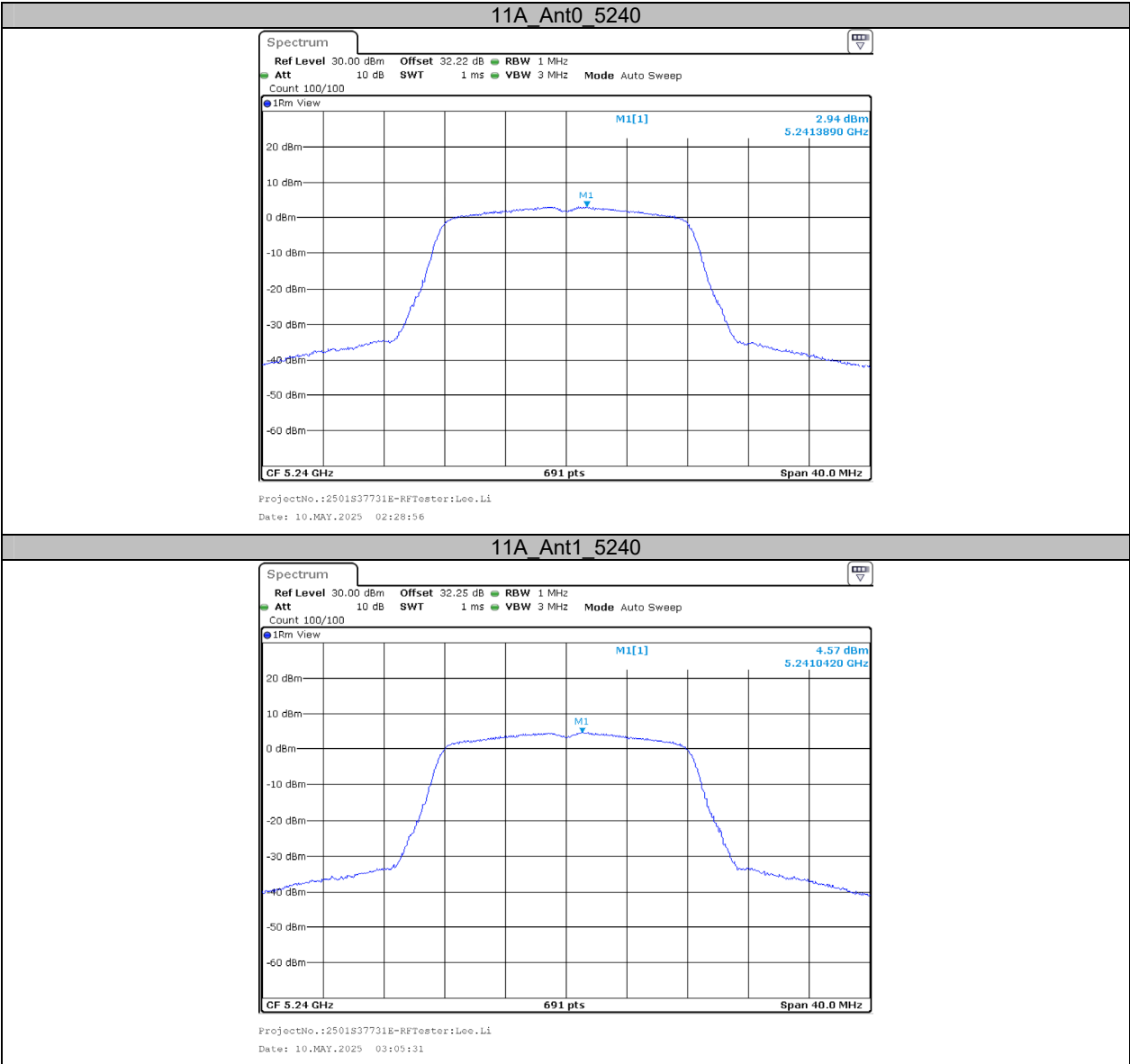
G_k is the gain in dBi of the k_{th} antenna.

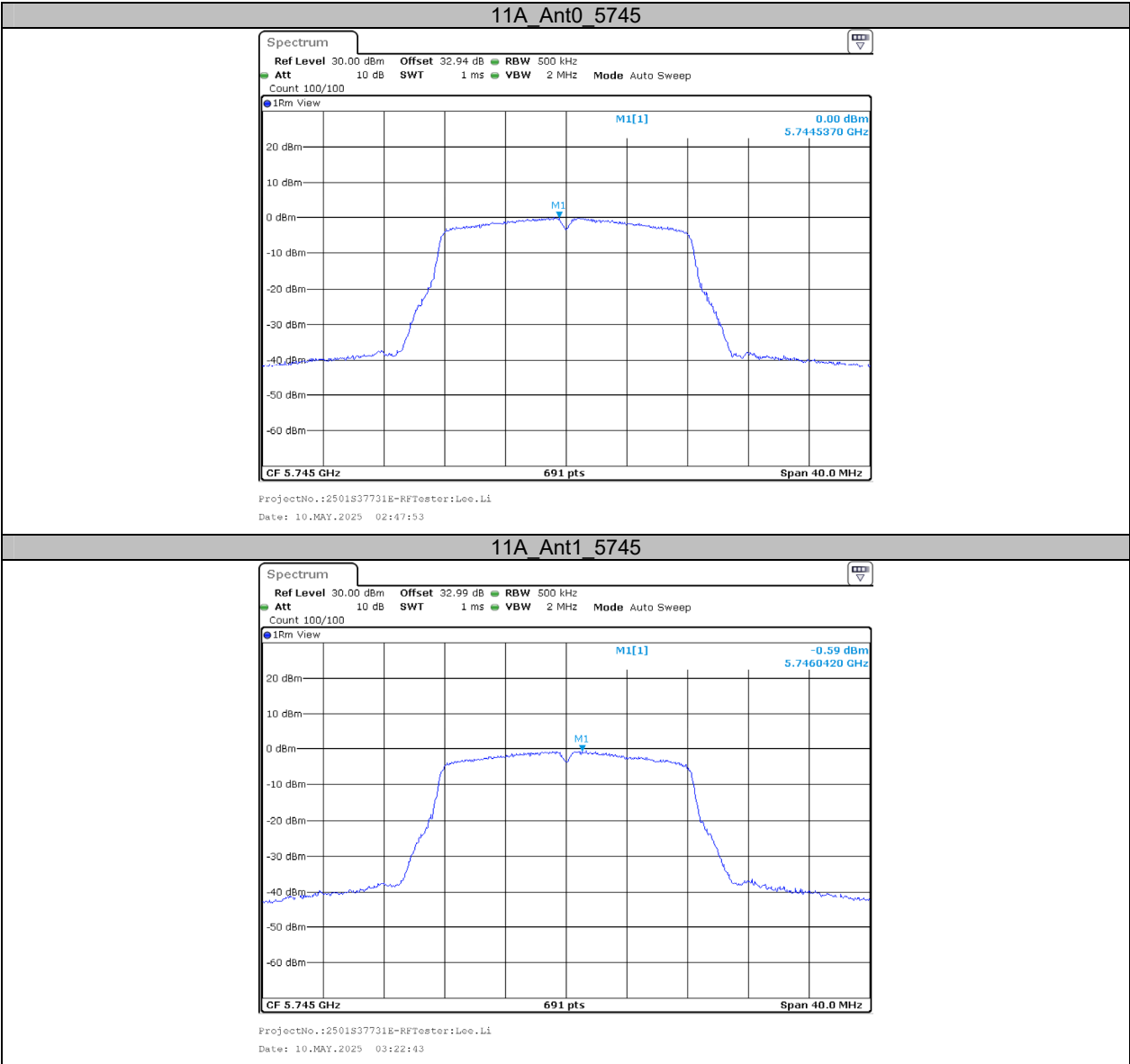
5150-5250MHz	Ant0	2.12	dBi	Directional gain:	4.92	dBi
	Ant1	1.70	dBi			
5725-5850MHz	Ant0	1.87	dBi	Directional gain:	4.83	dBi
	Ant1	1.77	dBi			

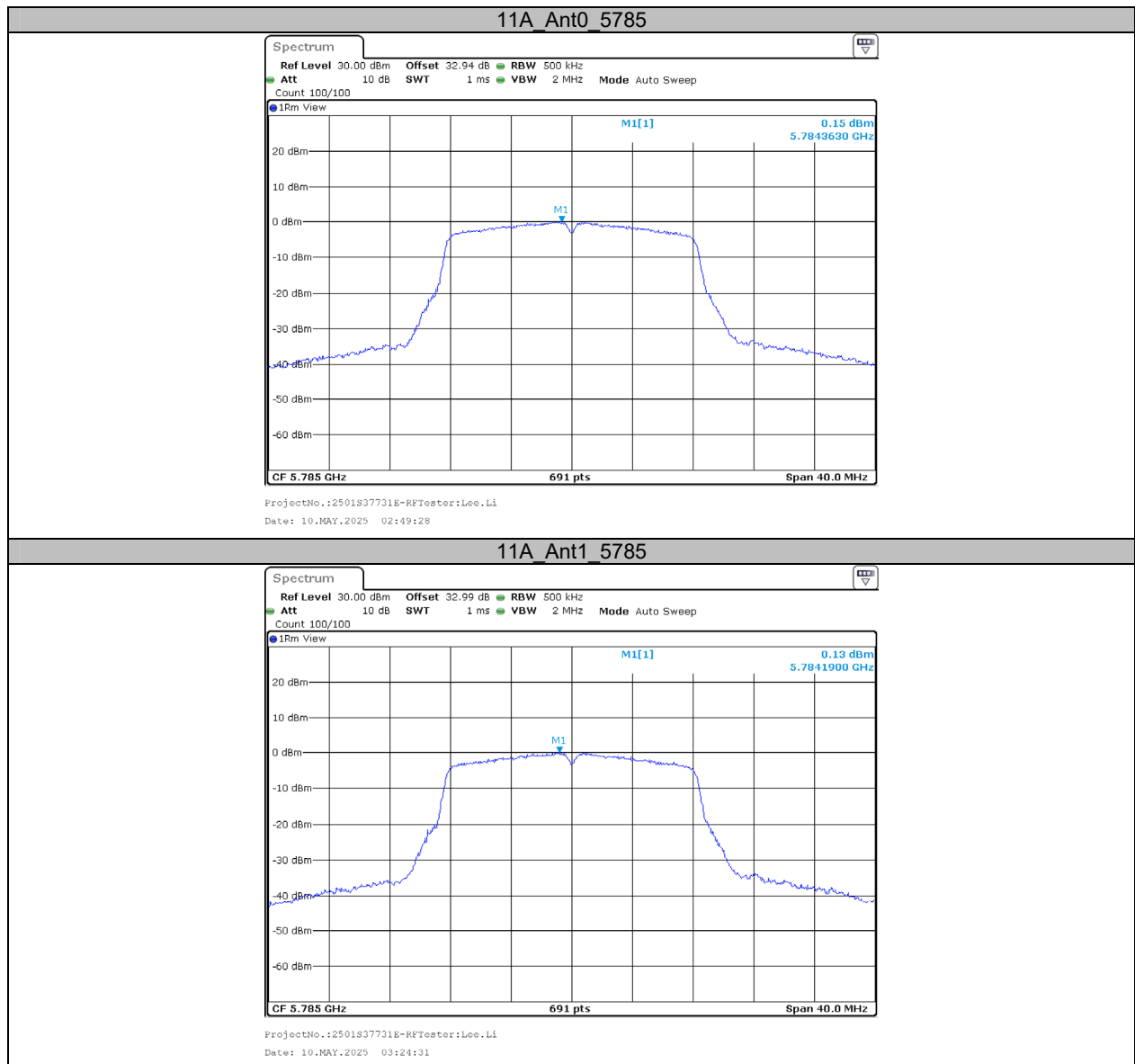
Test Graphs

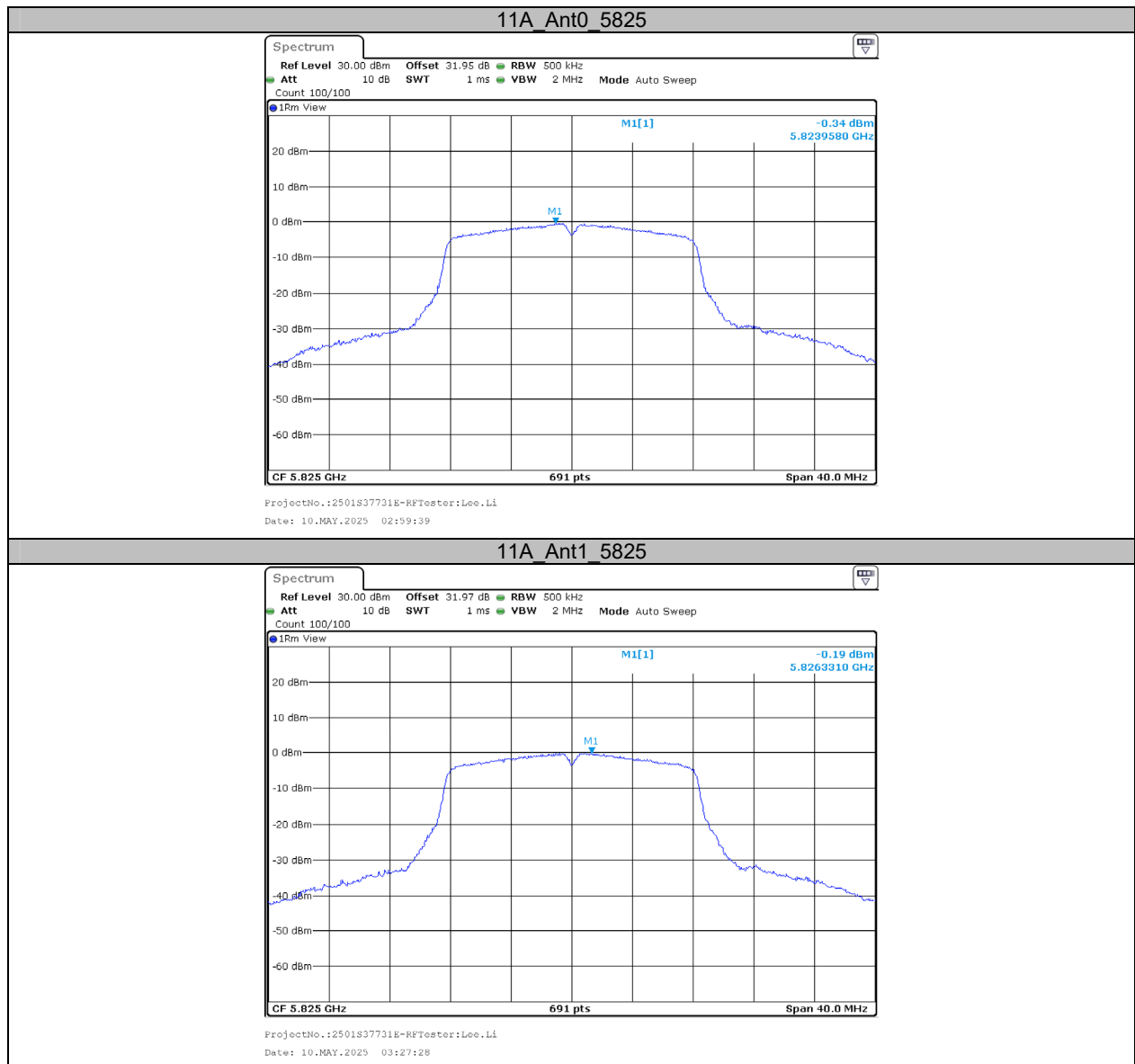


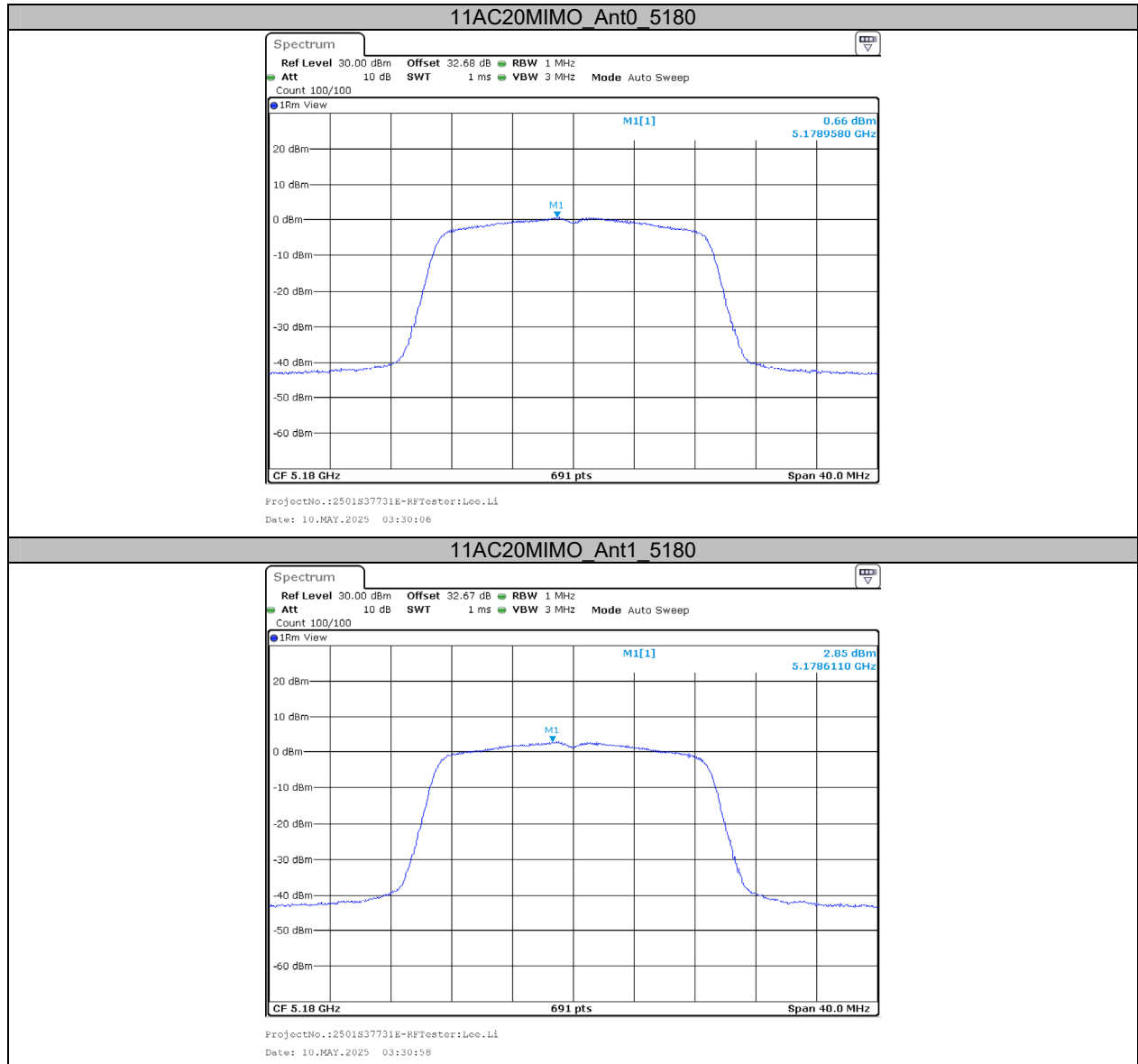


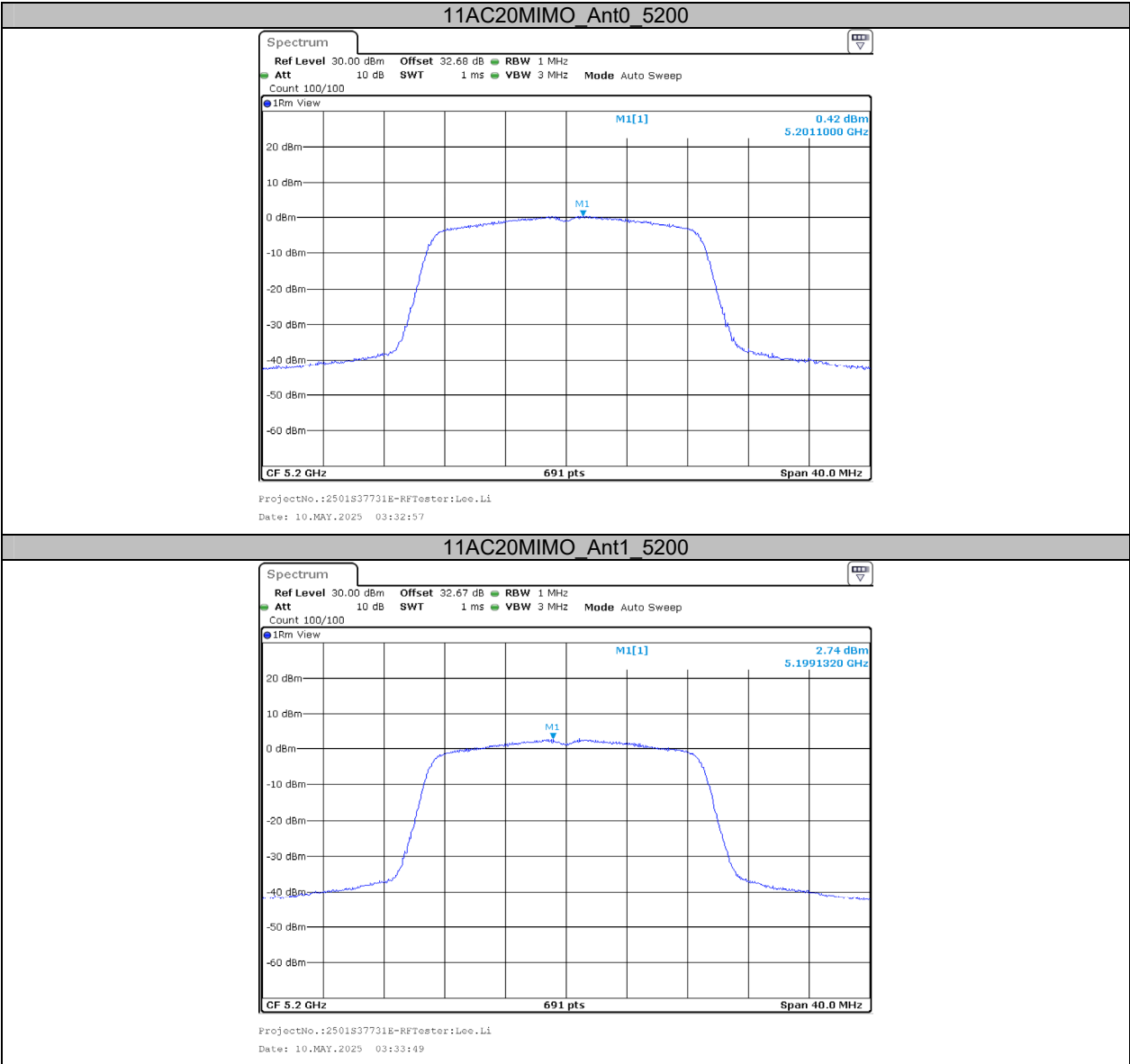


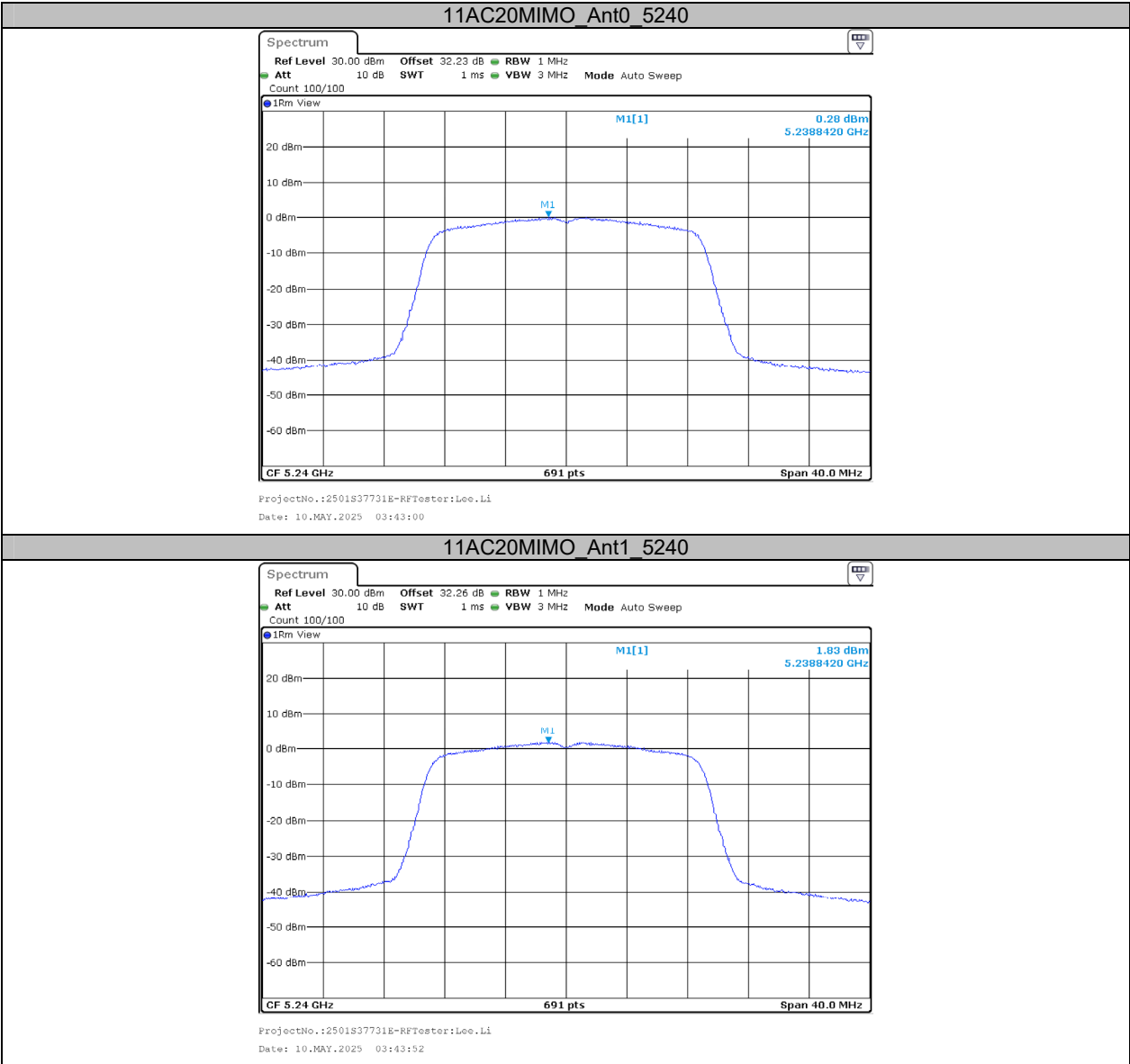


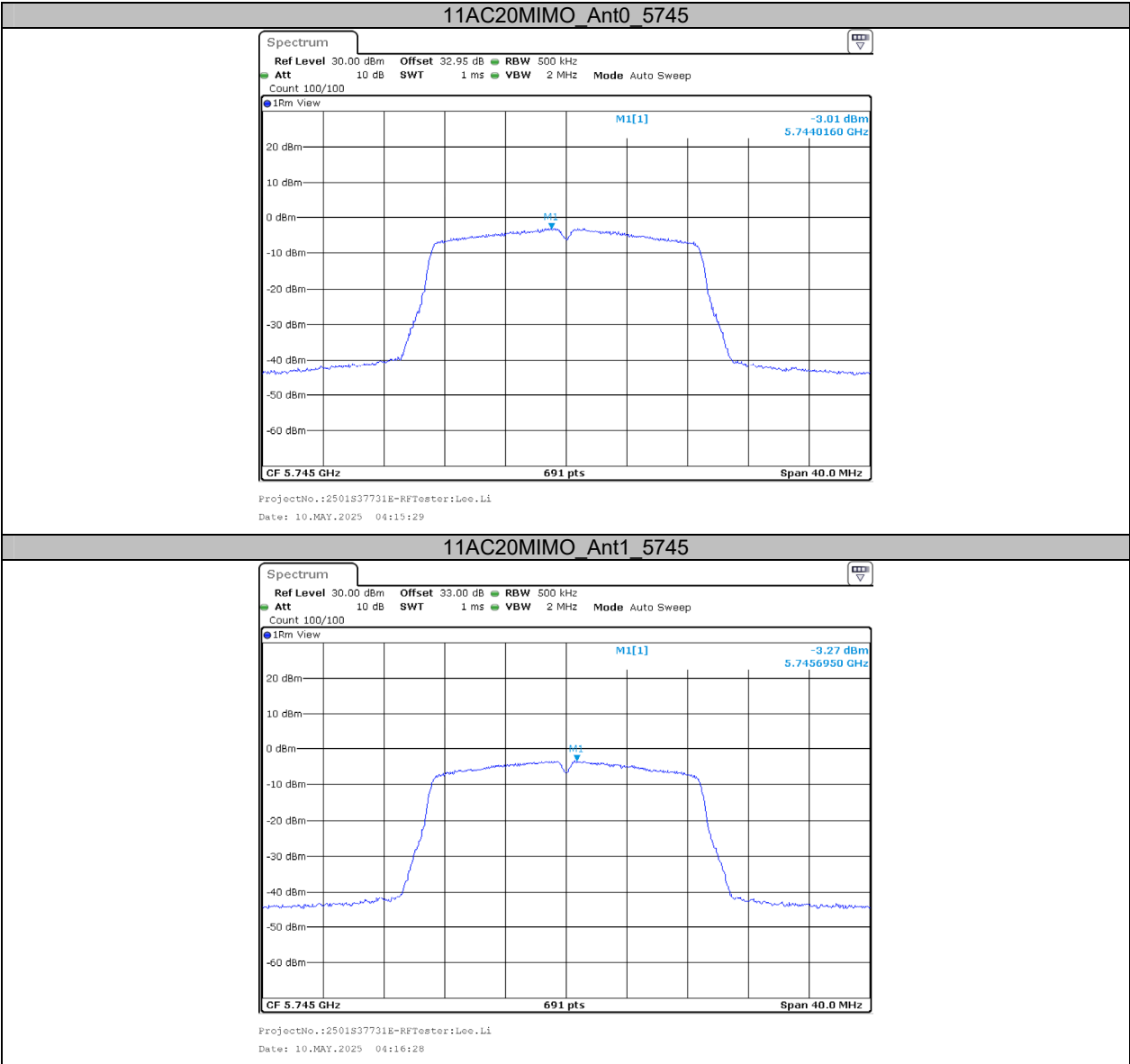


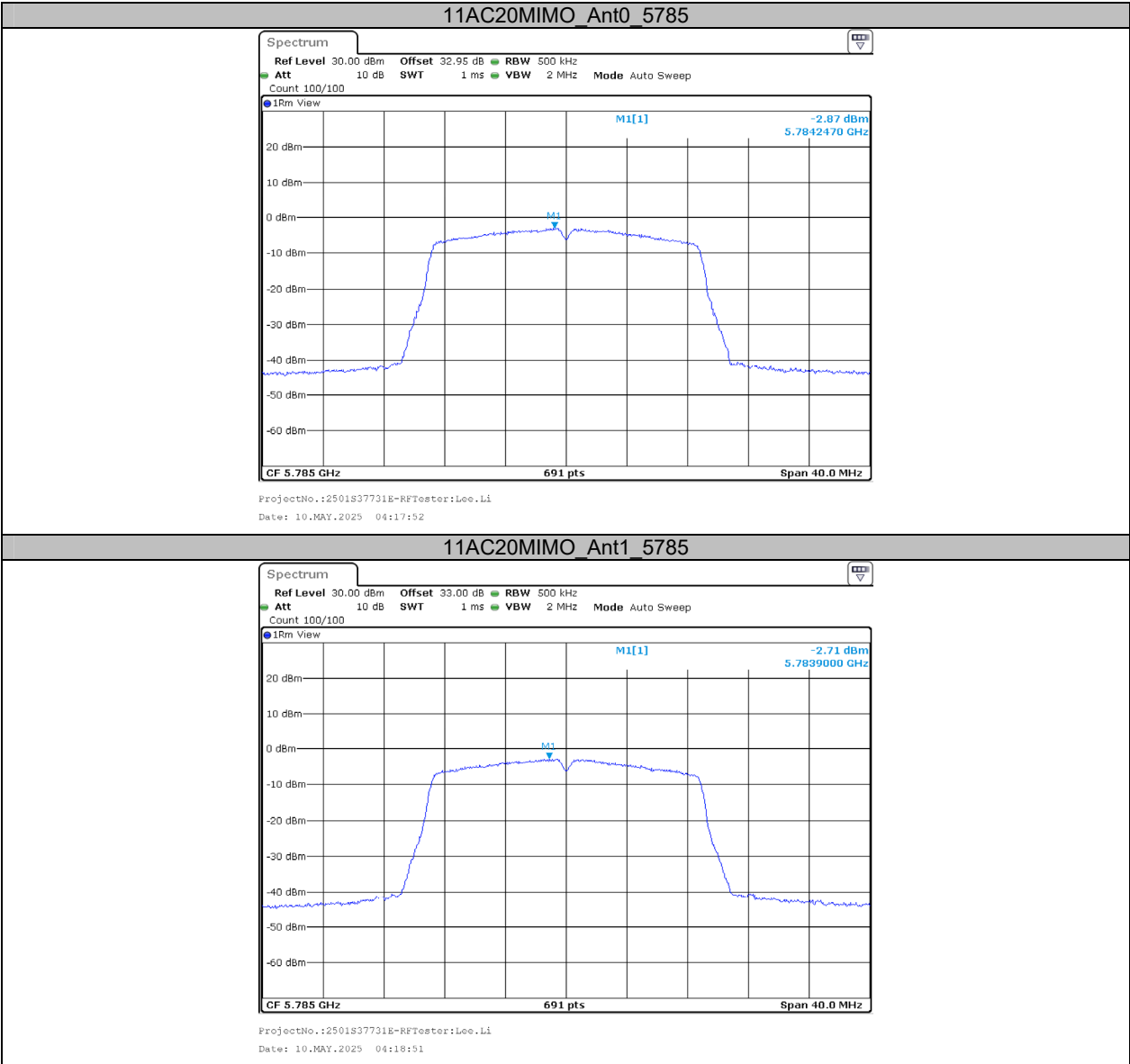


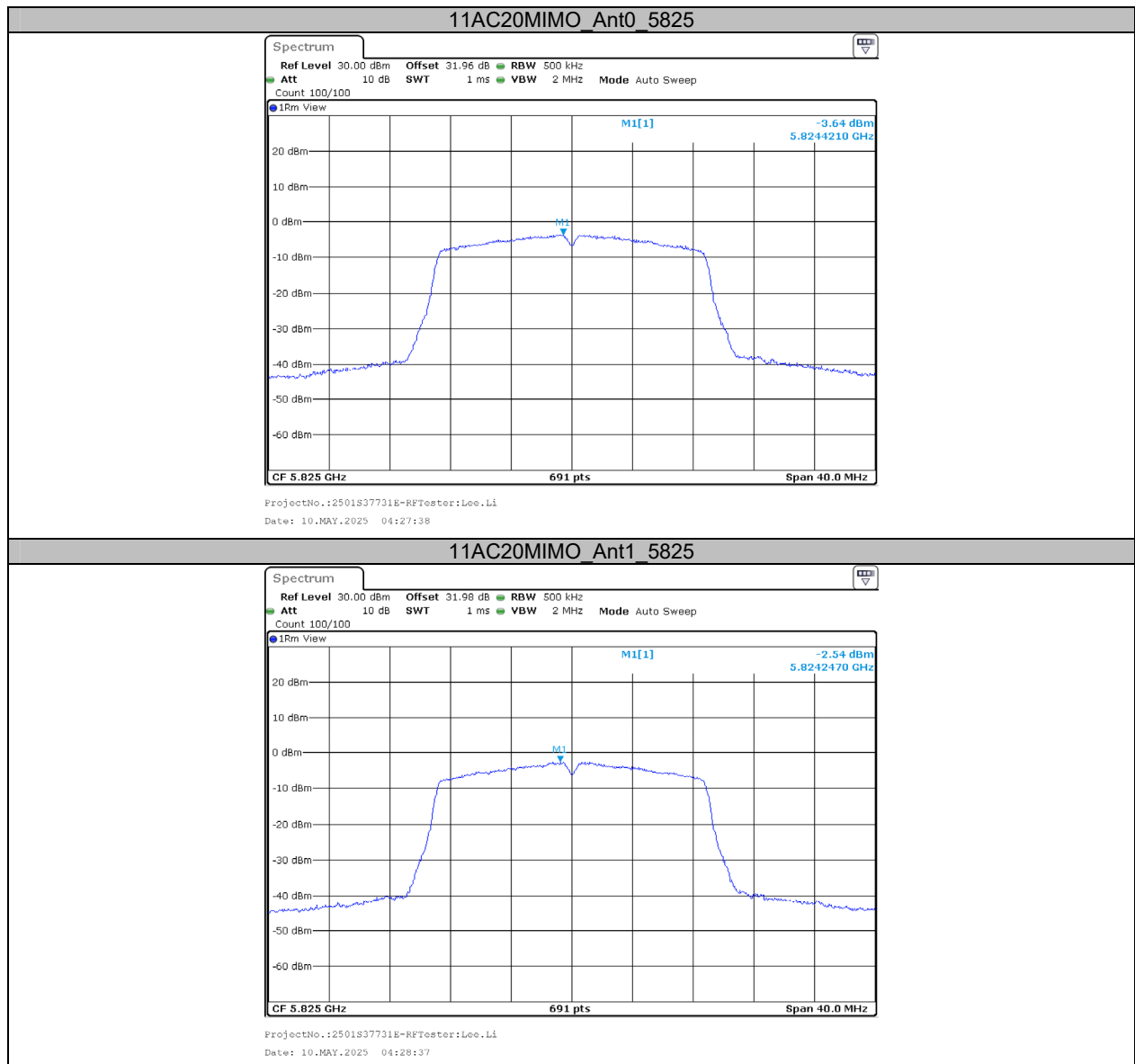


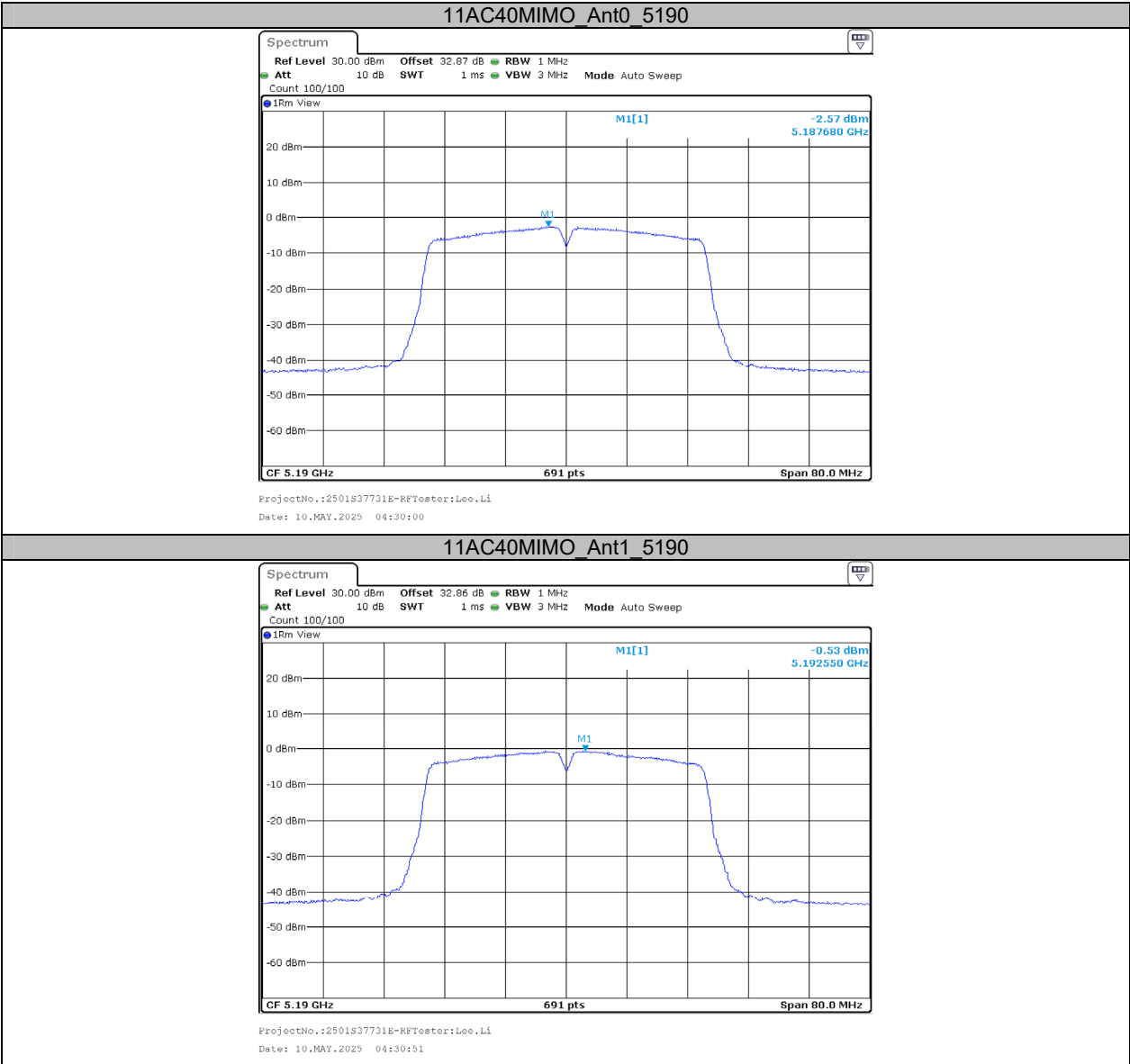


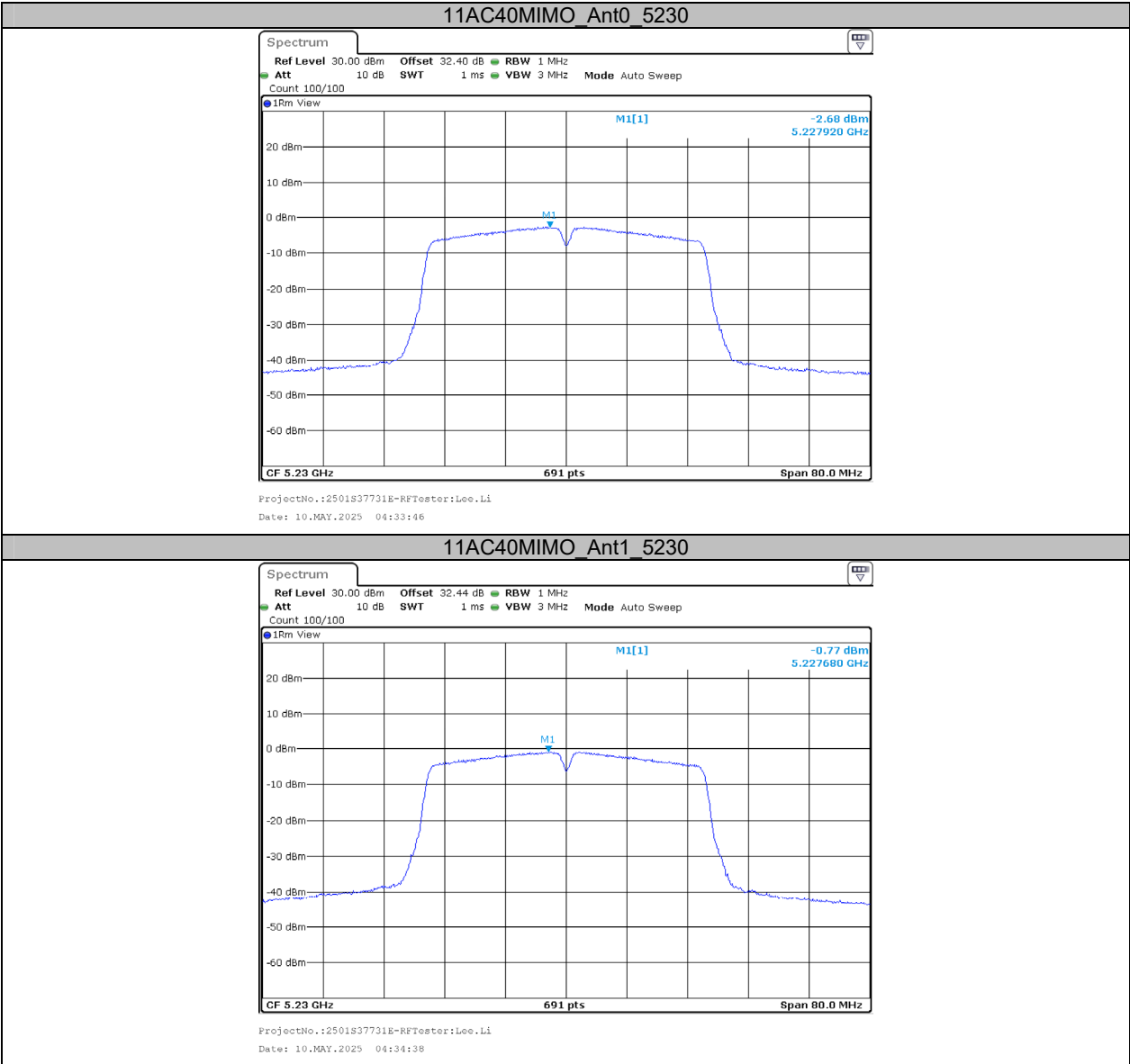


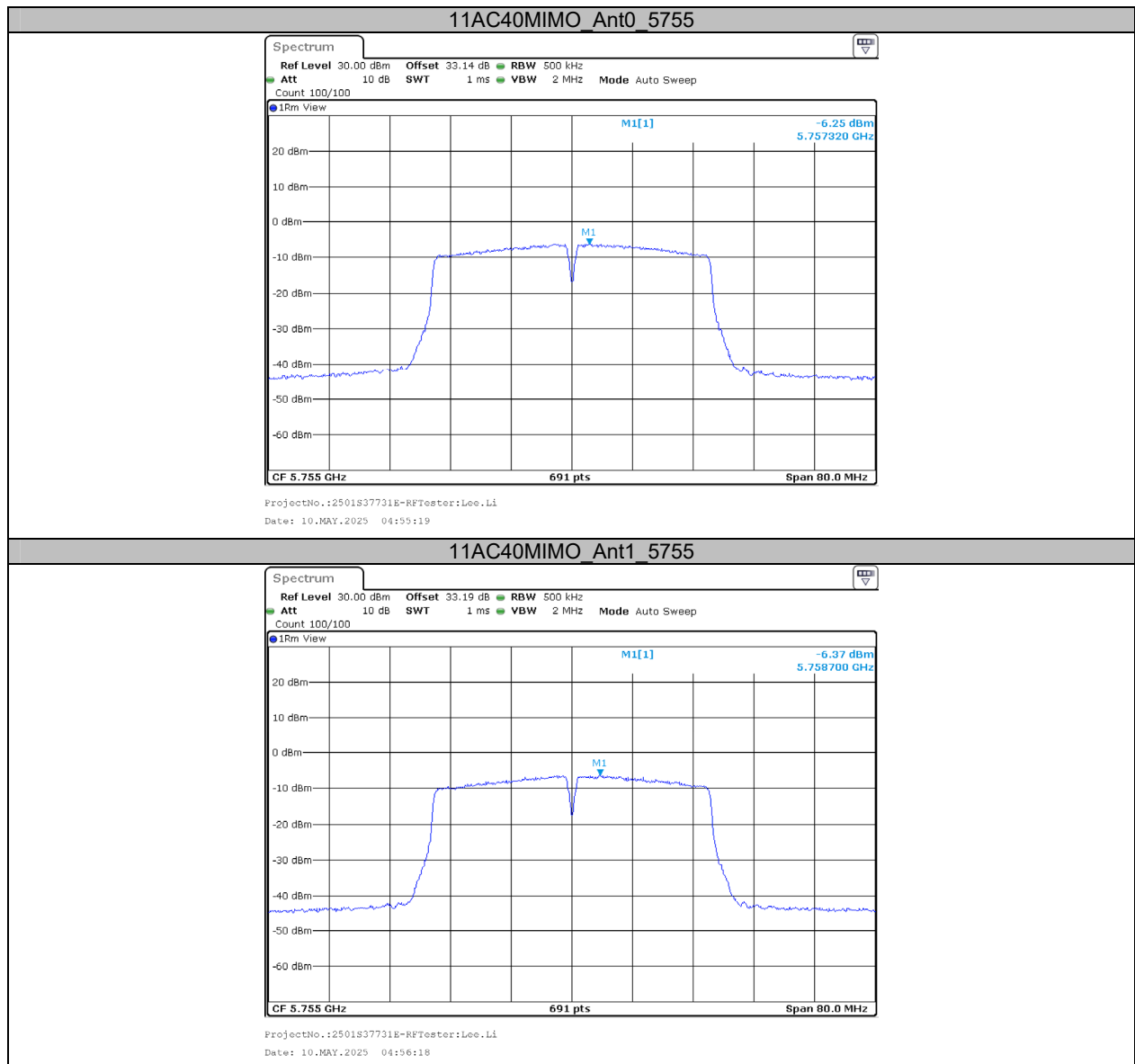




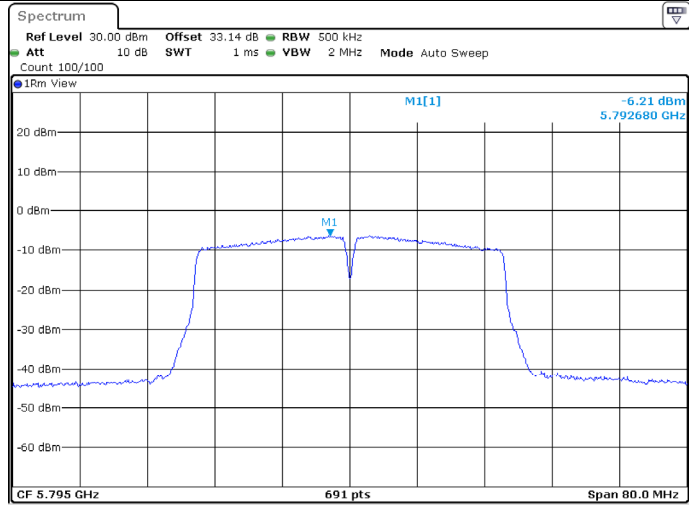






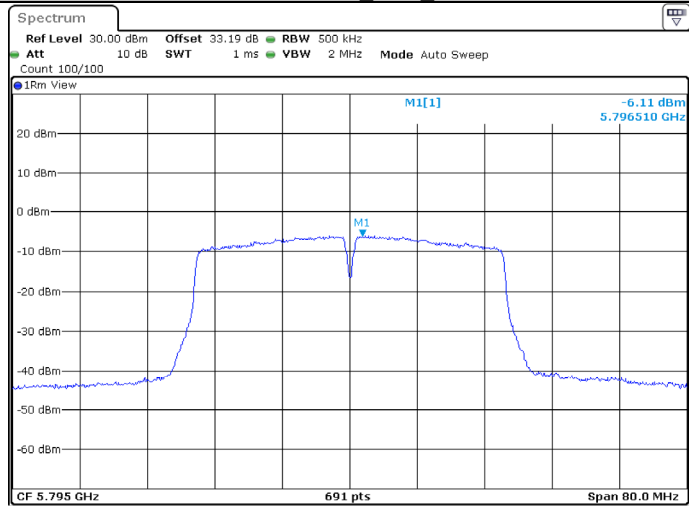


11AC40MIMO Ant0_5795

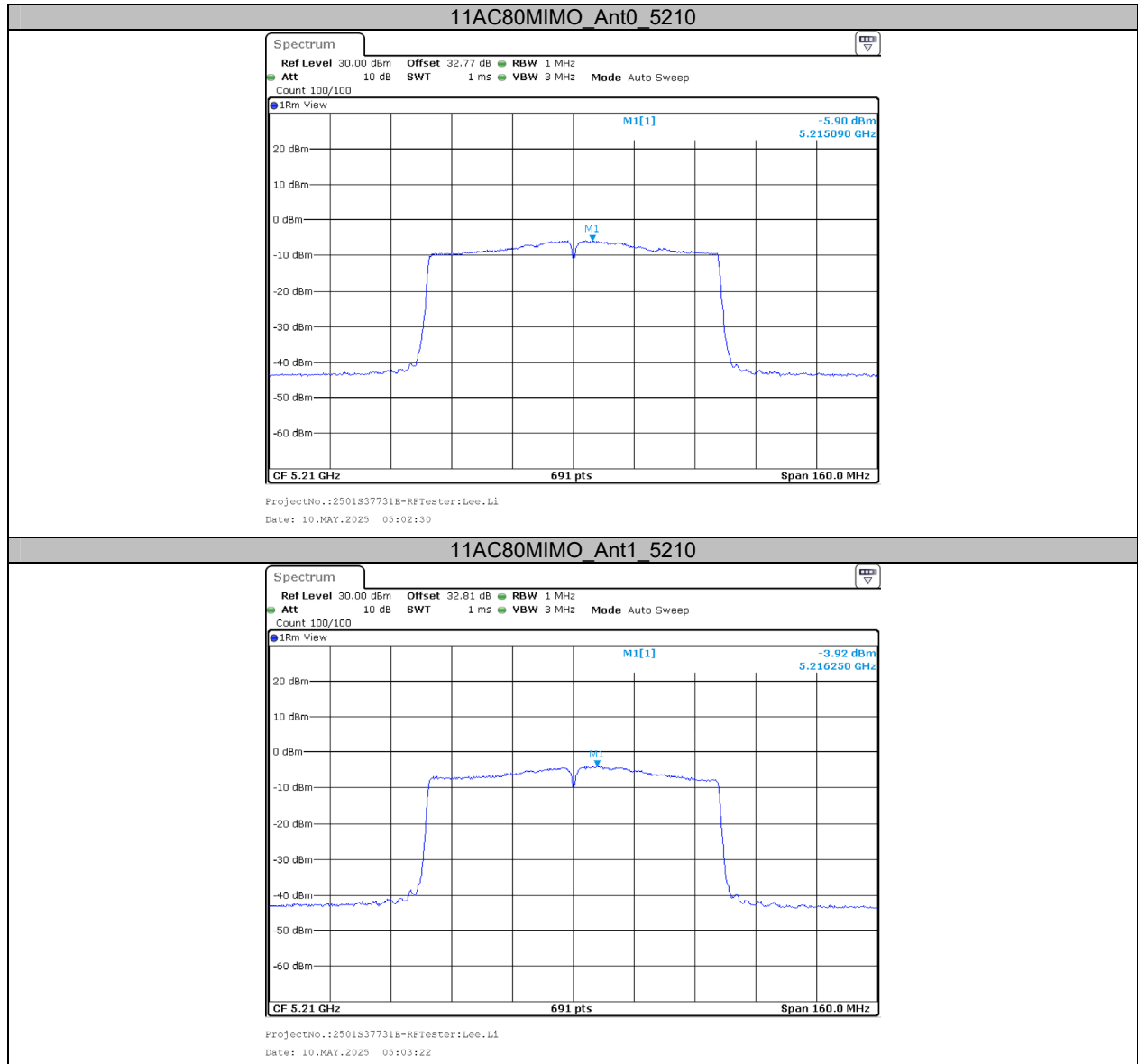


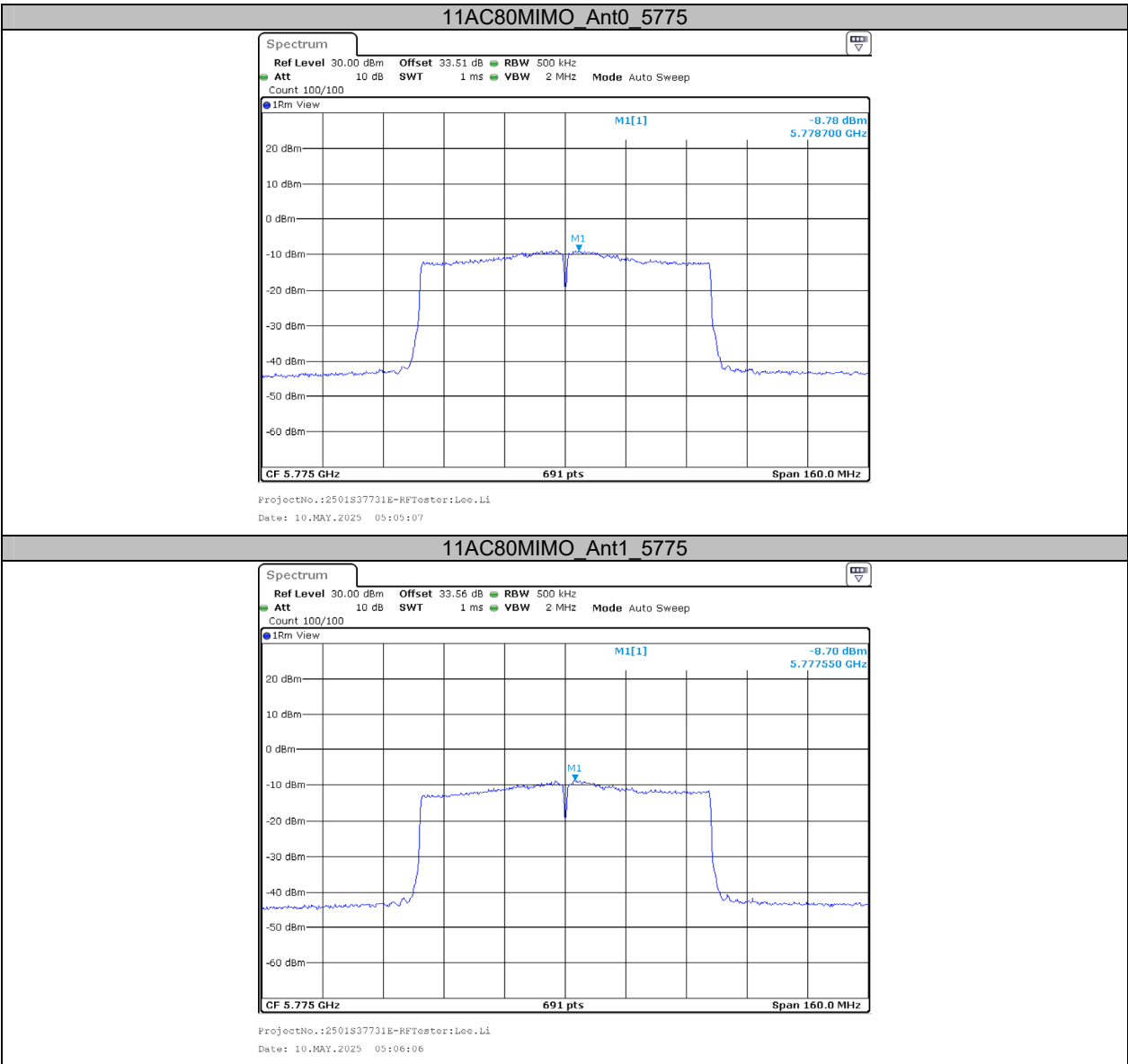
ProjectNo.:2501S37731E-RFTester:Lee.Li
Date: 10.MAY.2025 04:59:34

11AC40MIMO Ant1_5795



ProjectNo.:2501S37731E-RFTester:Lee.Li
Date: 10.MAY.2025 05:00:33





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