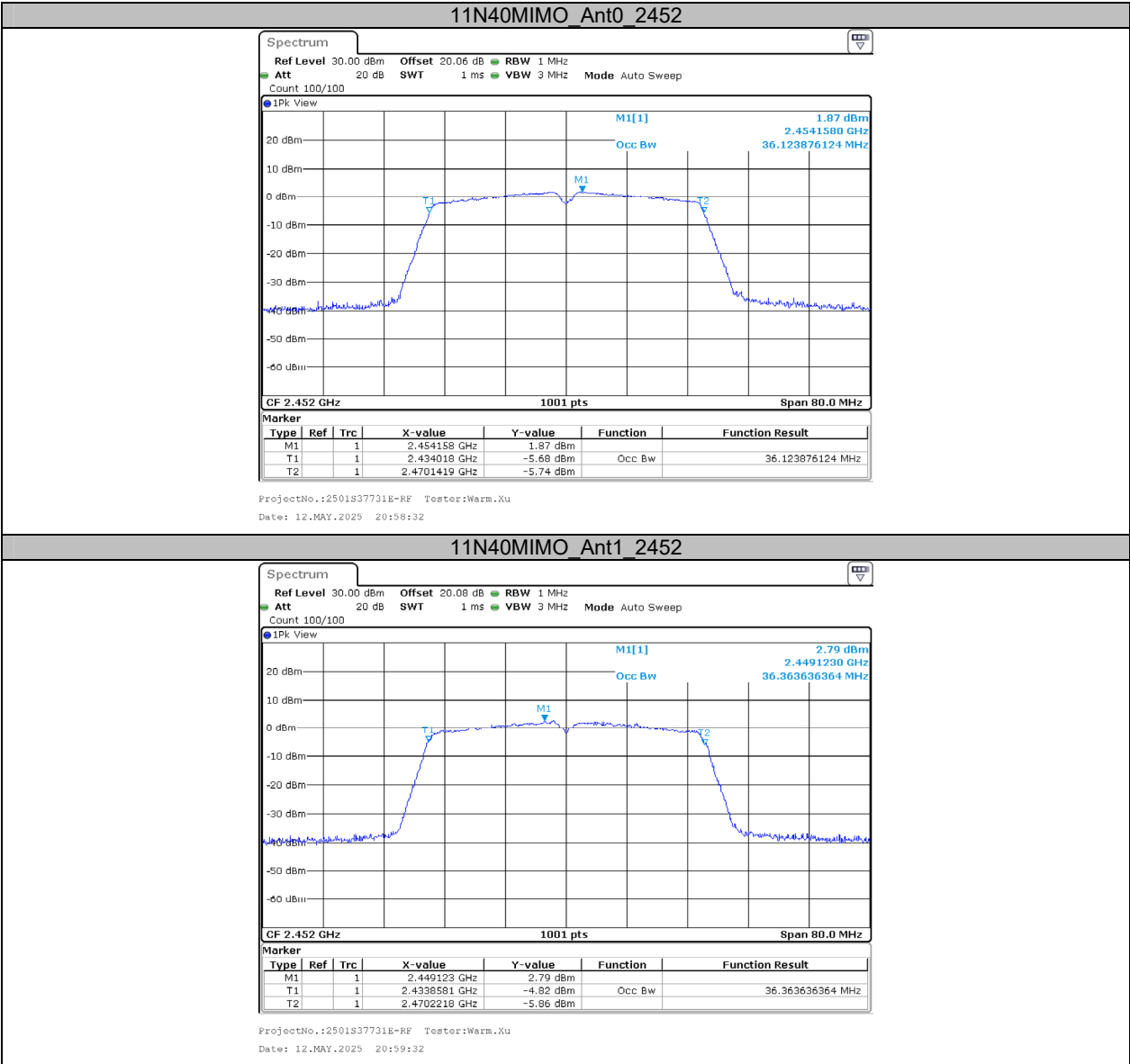




Appendix C: Maximum conducted output power**Test Result Peak**

Test Mode	Antenna	Frequency [MHz]	Peak Power [dBm]	Conducted Limit [dBm]	Verdict
11B	Ant0	2412	18.67	≤30.00	PASS
	Ant1	2412	17.89	≤30.00	PASS
	Ant0	2437	18.82	≤30.00	PASS
	Ant1	2437	17.78	≤30.00	PASS
	Ant0	2462	18.66	≤30.00	PASS
	Ant1	2462	17.56	≤30.00	PASS
11G	Ant0	2412	18.92	≤30.00	PASS
	Ant1	2412	18.38	≤30.00	PASS
	Ant0	2437	18.08	≤30.00	PASS
	Ant1	2437	17.98	≤30.00	PASS
	Ant0	2462	18.78	≤30.00	PASS
	Ant1	2462	18.24	≤30.00	PASS
11N20MIMO	Ant0	2412	14.84	≤30.00	PASS
	Ant1	2412	15.60	≤30.00	PASS
	total	2412	18.25	≤30.00	PASS
	Ant0	2437	14.77	≤30.00	PASS
	Ant1	2437	15.53	≤30.00	PASS
	total	2437	18.18	≤30.00	PASS
	Ant0	2462	15.06	≤30.00	PASS
	Ant1	2462	15.64	≤30.00	PASS
	total	2462	18.37	≤30.00	PASS
11N40MIMO	Ant0	2422	15.03	≤30.00	PASS
	Ant1	2422	15.55	≤30.00	PASS
	total	2422	18.31	≤30.00	PASS
	Ant0	2437	14.98	≤30.00	PASS
	Ant1	2437	15.50	≤30.00	PASS
	total	2437	18.26	≤30.00	PASS
	Ant0	2452	14.88	≤30.00	PASS
	Ant1	2452	15.34	≤30.00	PASS
	total	2452	18.13	≤30.00	PASS

Note: For 802.11n 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

$g_{j,k} = 10^{G_{j,k}/20}$ 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.

ANT0 Gain:	1.86	dBi	Directional gain:	4.92	dBi
ANT1 Gain:	1.96	dBi			

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

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant0	2412	5.35	≤8.00	PASS
	Ant1	2412	4.59	≤8.00	PASS
	Ant0	2437	5.47	≤8.00	PASS
	Ant1	2437	4.46	≤8.00	PASS
	Ant0	2462	5.33	≤8.00	PASS
	Ant1	2462	4.17	≤8.00	PASS
11G	Ant0	2412	-14.43	≤8.00	PASS
	Ant1	2412	-14.32	≤8.00	PASS
	Ant0	2437	-14.93	≤8.00	PASS
	Ant1	2437	-14.67	≤8.00	PASS
	Ant0	2462	-13.92	≤8.00	PASS
	Ant1	2462	-14.82	≤8.00	PASS
11N20MIMO	Ant0	2412	-17.69	≤8.00	PASS
	Ant1	2412	-16.22	≤8.00	PASS
	total	2412	-13.88	≤8.00	PASS
	Ant0	2437	-16.03	≤8.00	PASS
	Ant1	2437	-16.54	≤8.00	PASS
	total	2437	-13.27	≤8.00	PASS
	Ant0	2462	-17.41	≤8.00	PASS
	Ant1	2462	-16.31	≤8.00	PASS
11N40MIMO	total	2462	-13.81	≤8.00	PASS
	Ant0	2422	-21.34	≤8.00	PASS
	Ant1	2422	-20.20	≤8.00	PASS
	total	2422	-17.72	≤8.00	PASS
	Ant0	2437	-20.09	≤8.00	PASS
	Ant1	2437	-19.91	≤8.00	PASS
	total	2437	-16.99	≤8.00	PASS
	Ant0	2452	-20.75	≤8.00	PASS
	Ant1	2452	-20.16	≤8.00	PASS
	total	2452	-17.43	≤8.00	PASS

Note: For 802.11n 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;

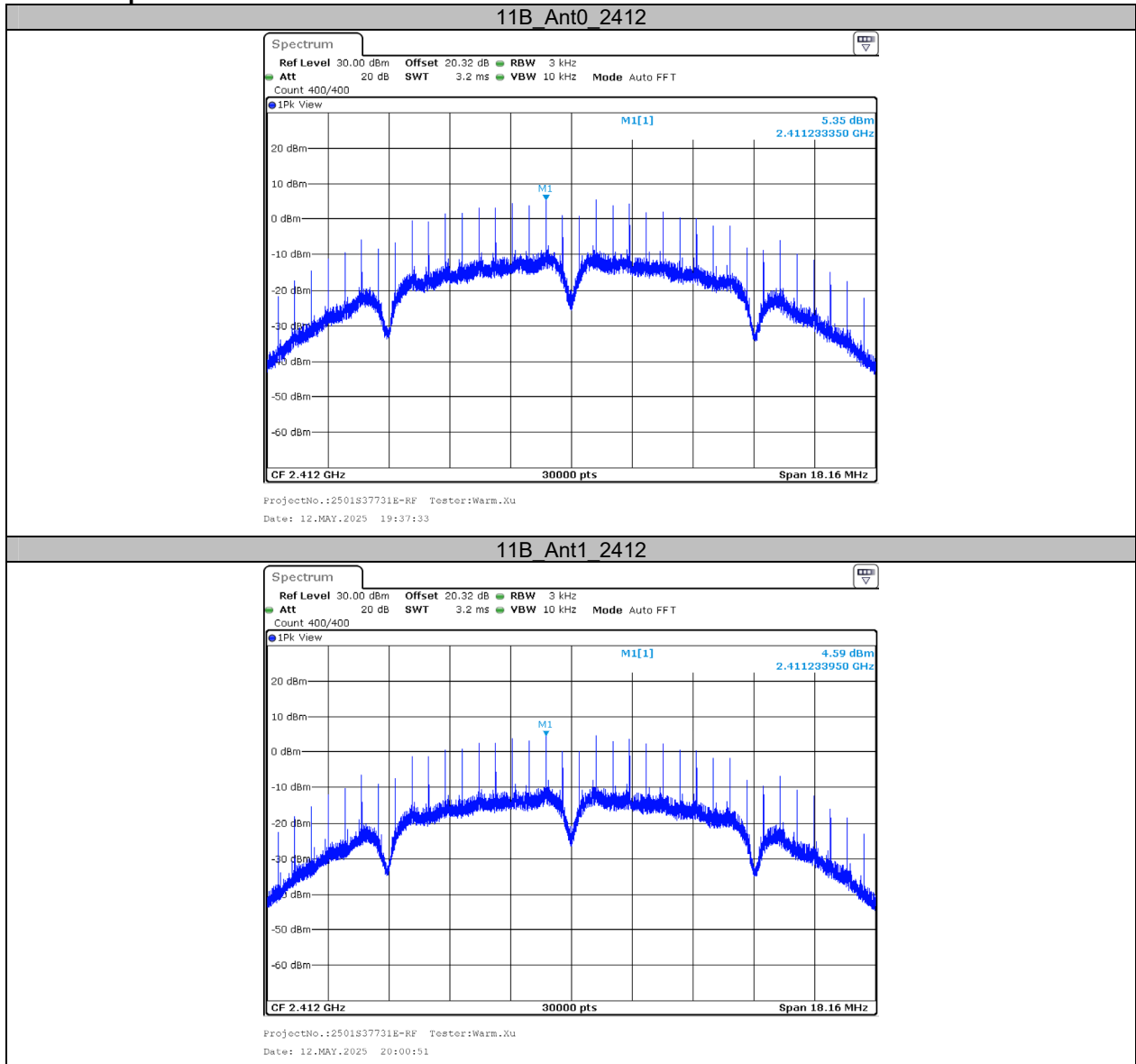
N_{ANT} = the total number of antennas

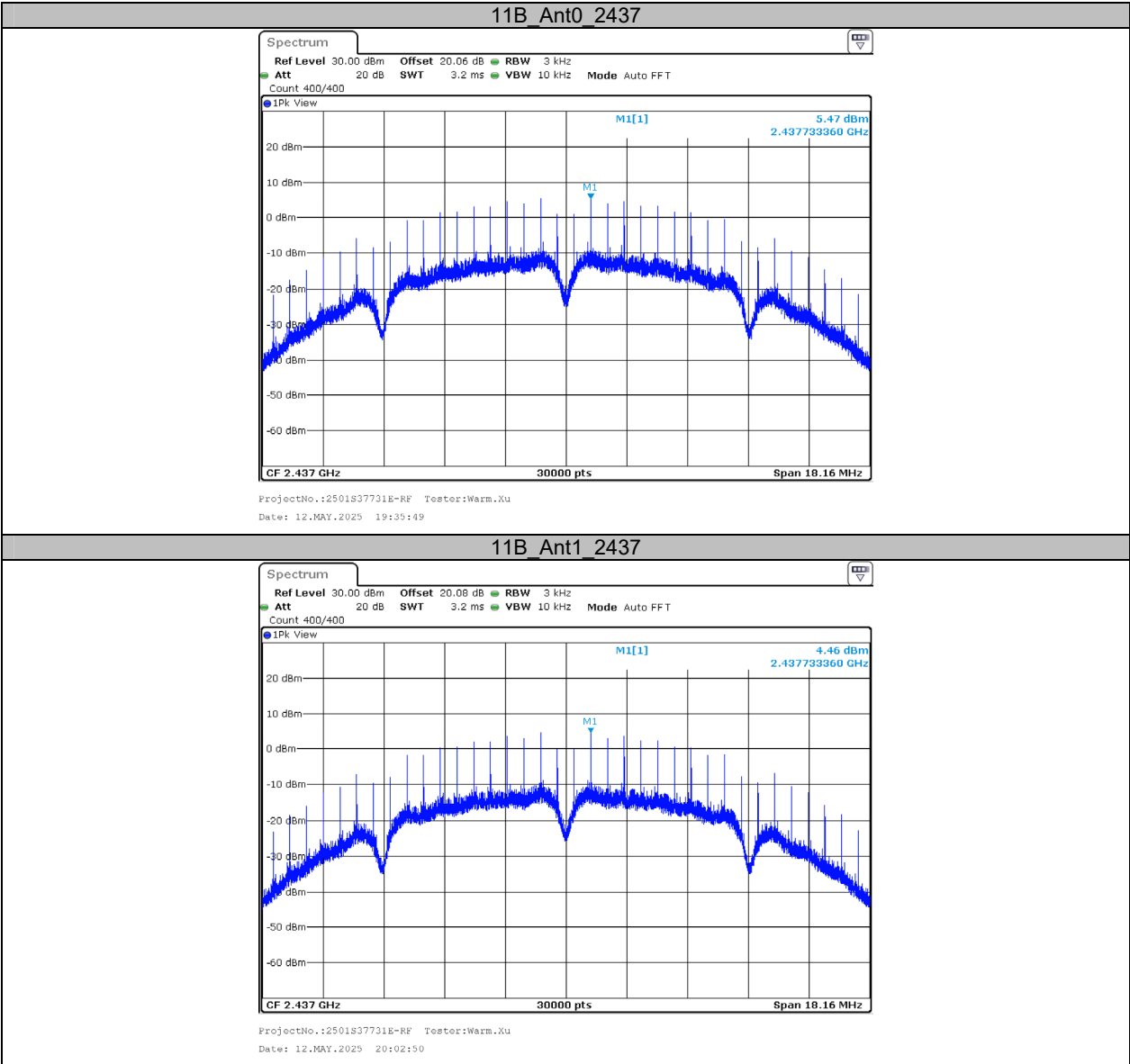
$g_{j,k} = 10^{G_k/20}$ if the k_{th} antenna is being fed by spatial stream j , or zero if it is not;

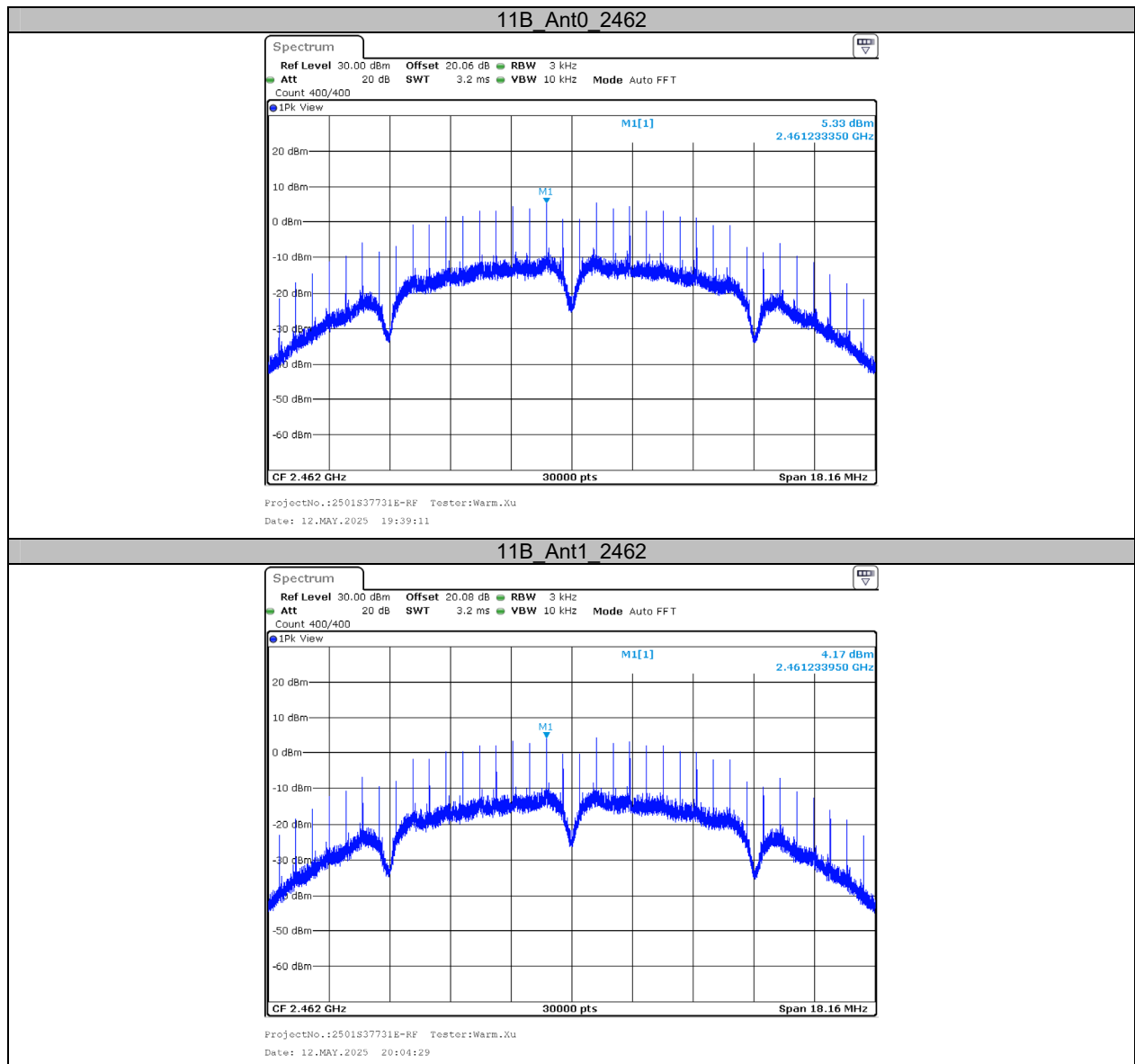
G_k is the gain in dBi of the k_{th} antenna.

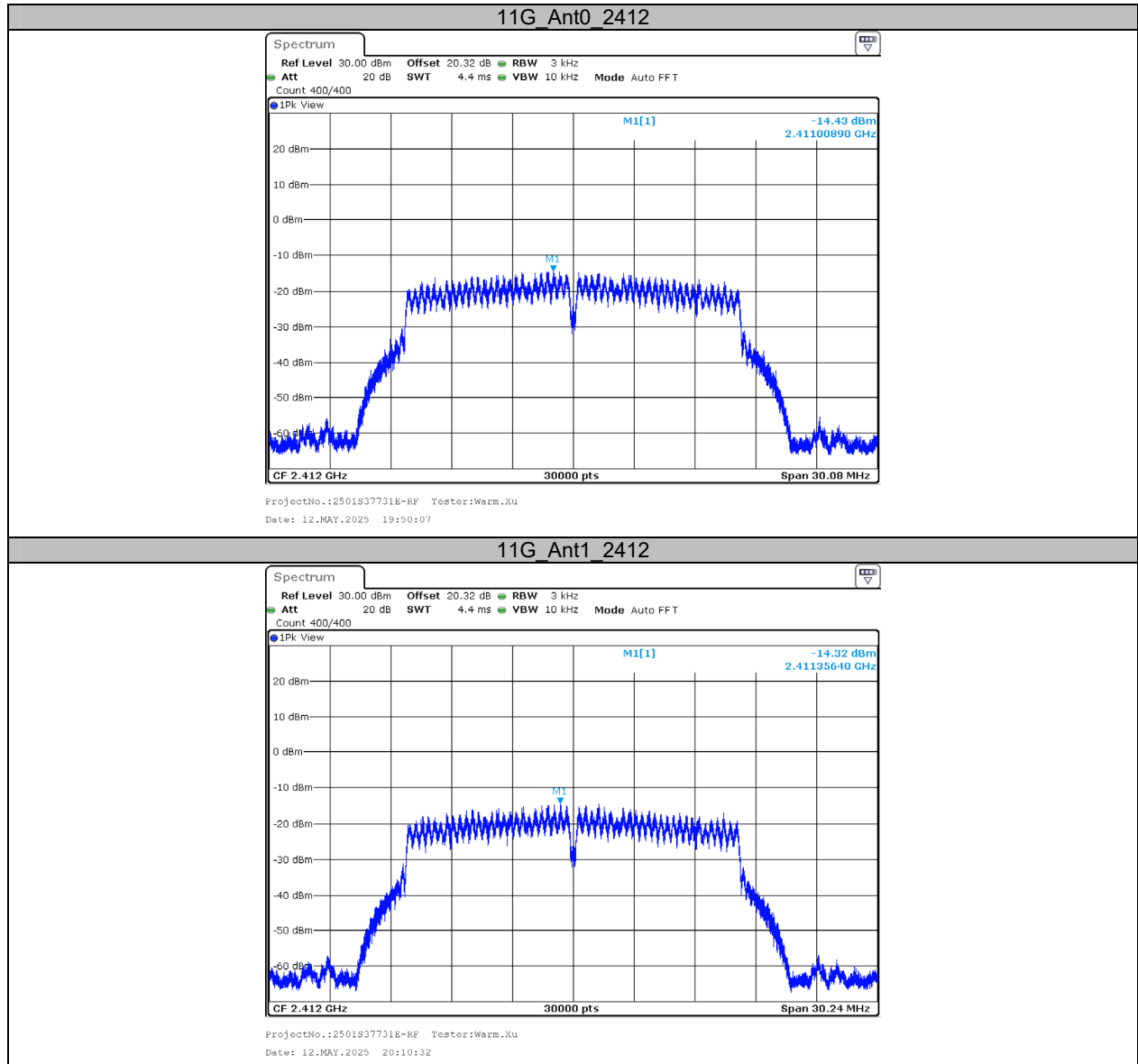
ANT0 Gain:	1.86	dBi	Directional gain:	4.92	dBi
ANT1 Gain:	1.96	dBi			

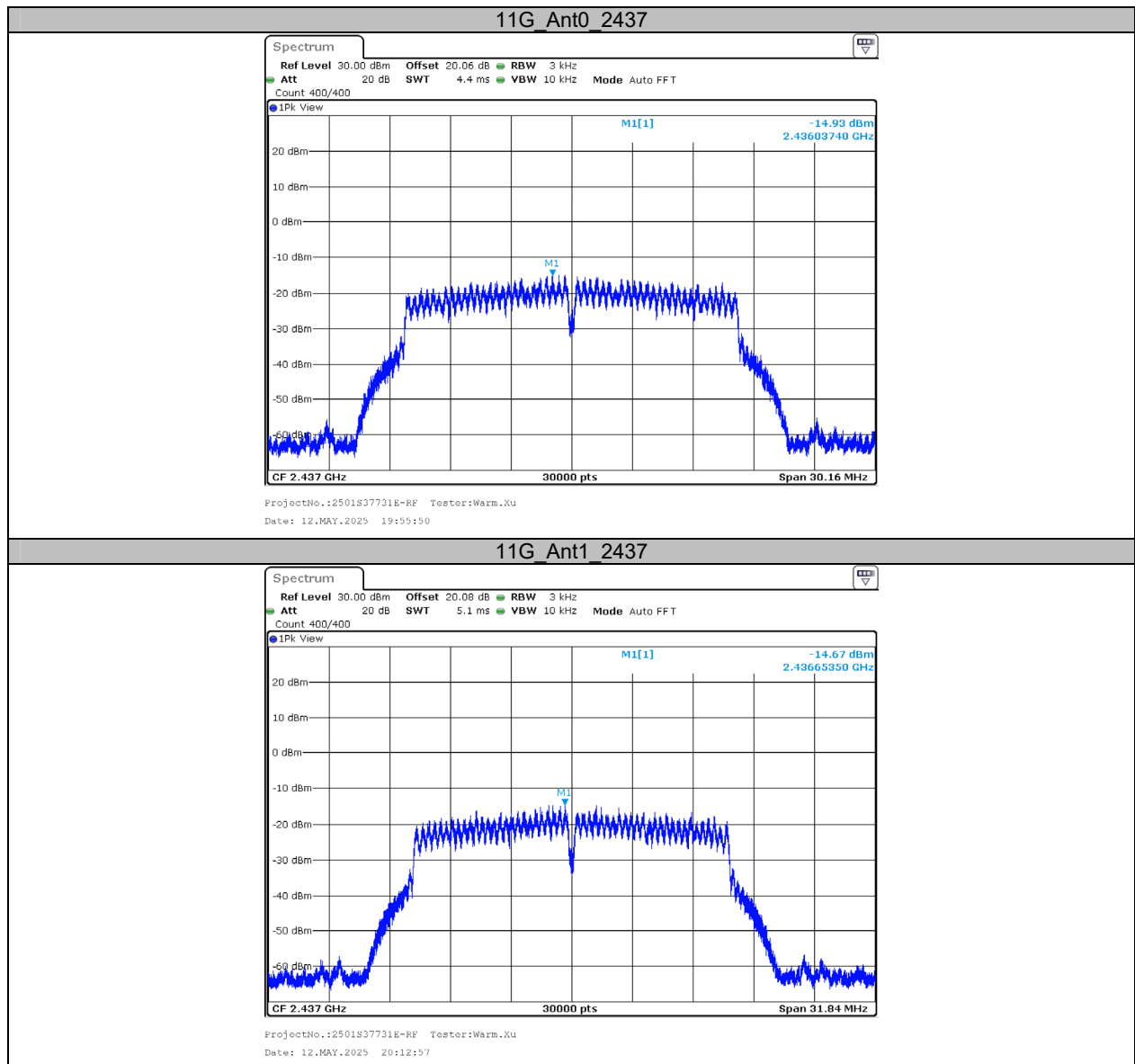
Test Graphs



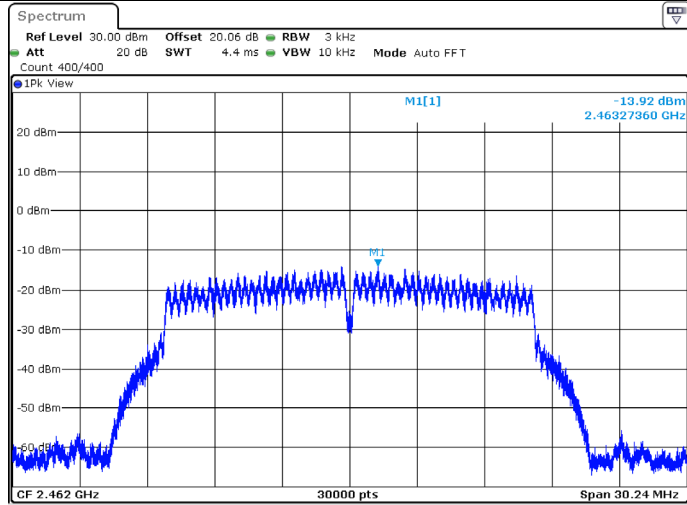






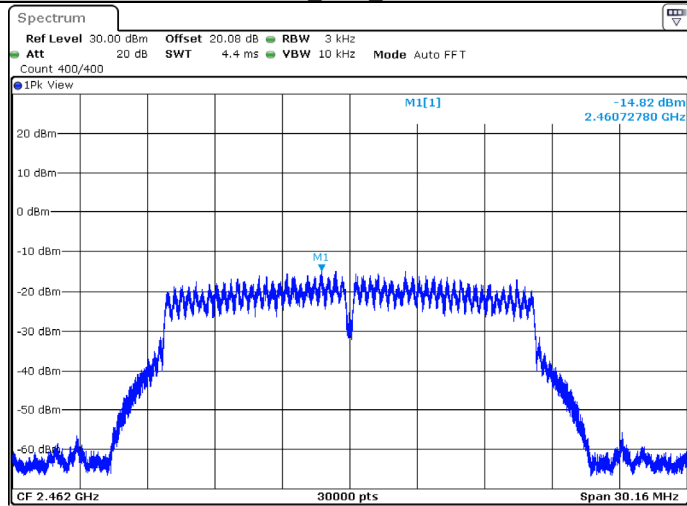


11G_Ant0_2462

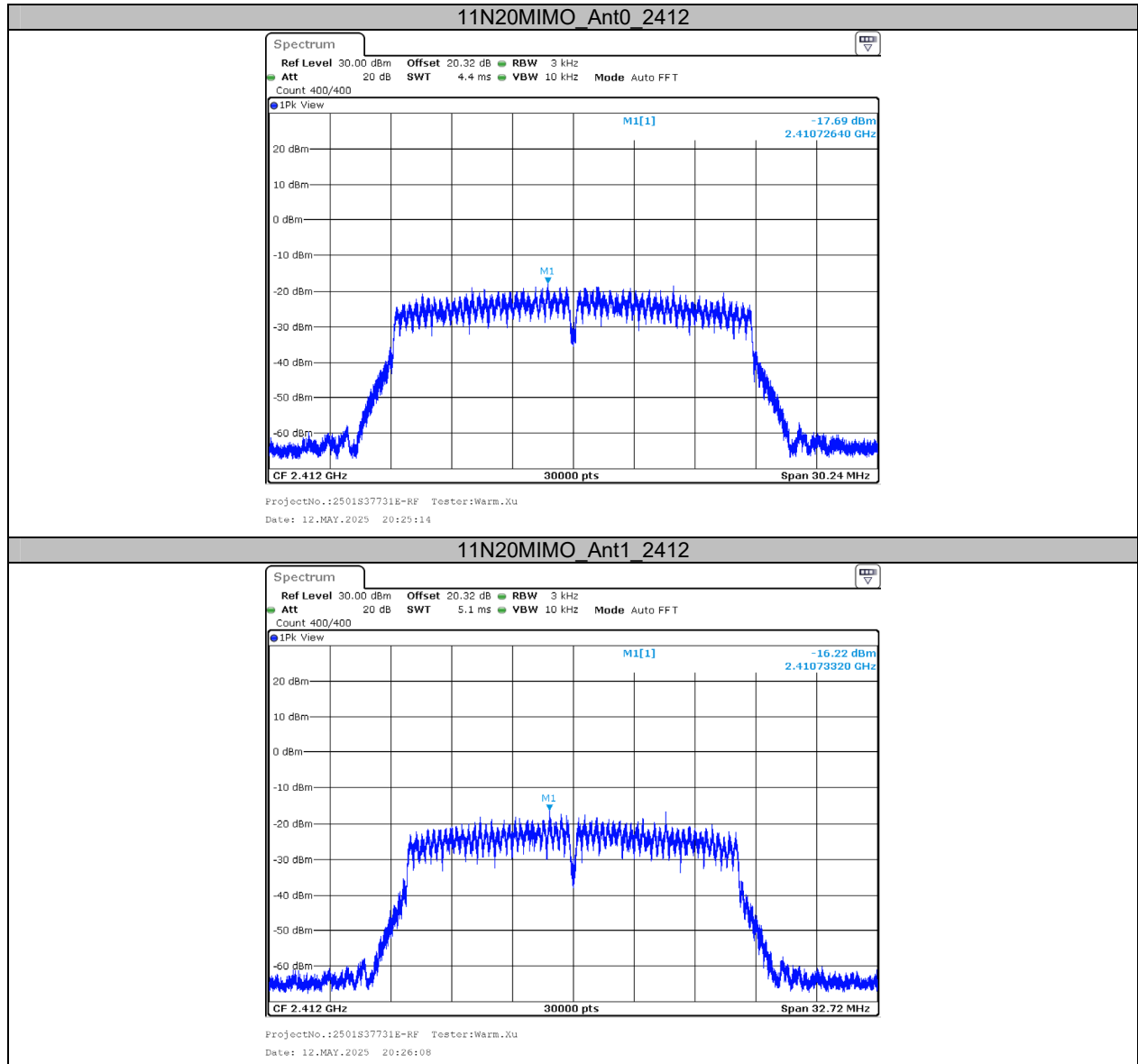


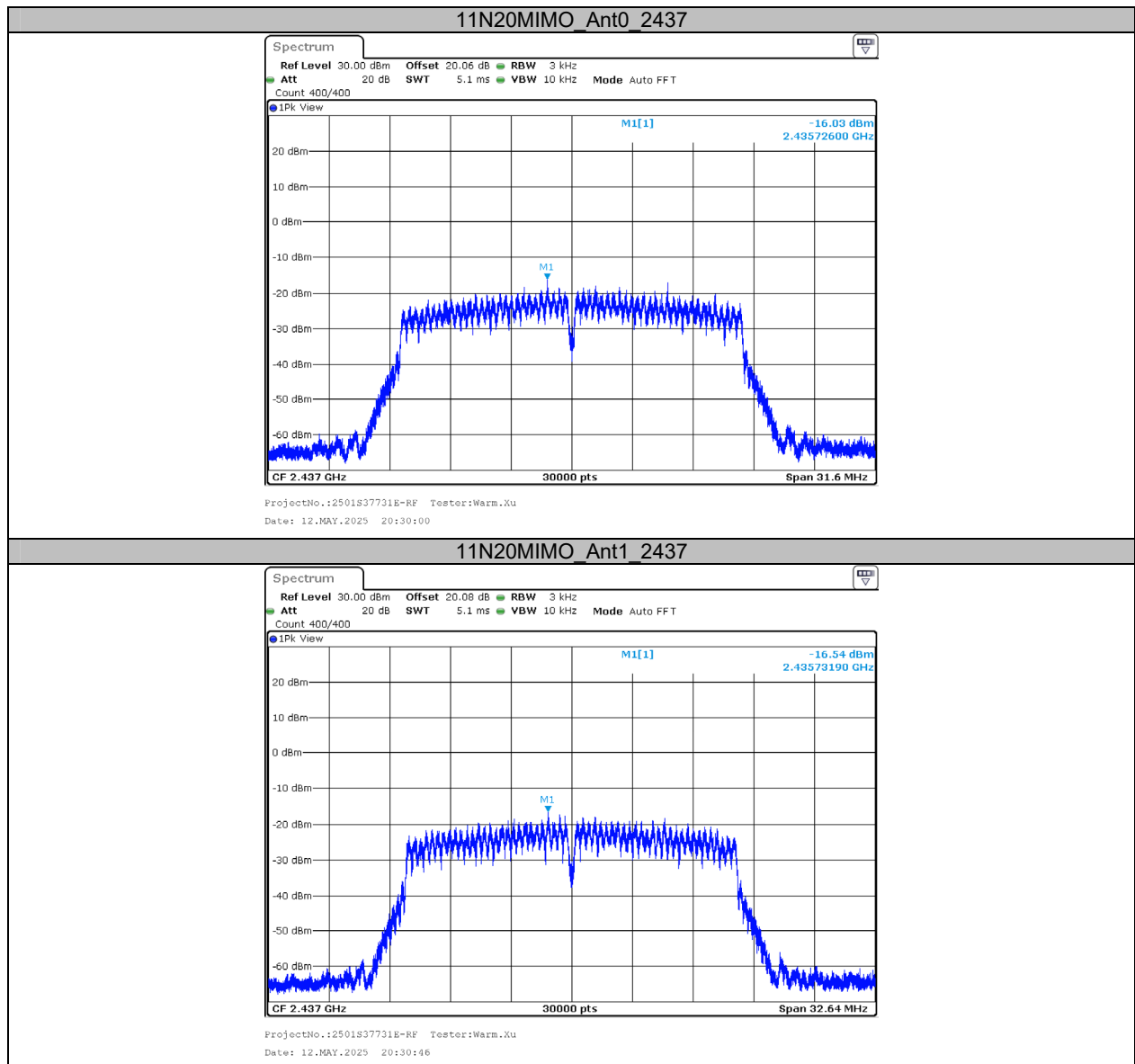
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Date: 12.MAY.2025 19:57:10

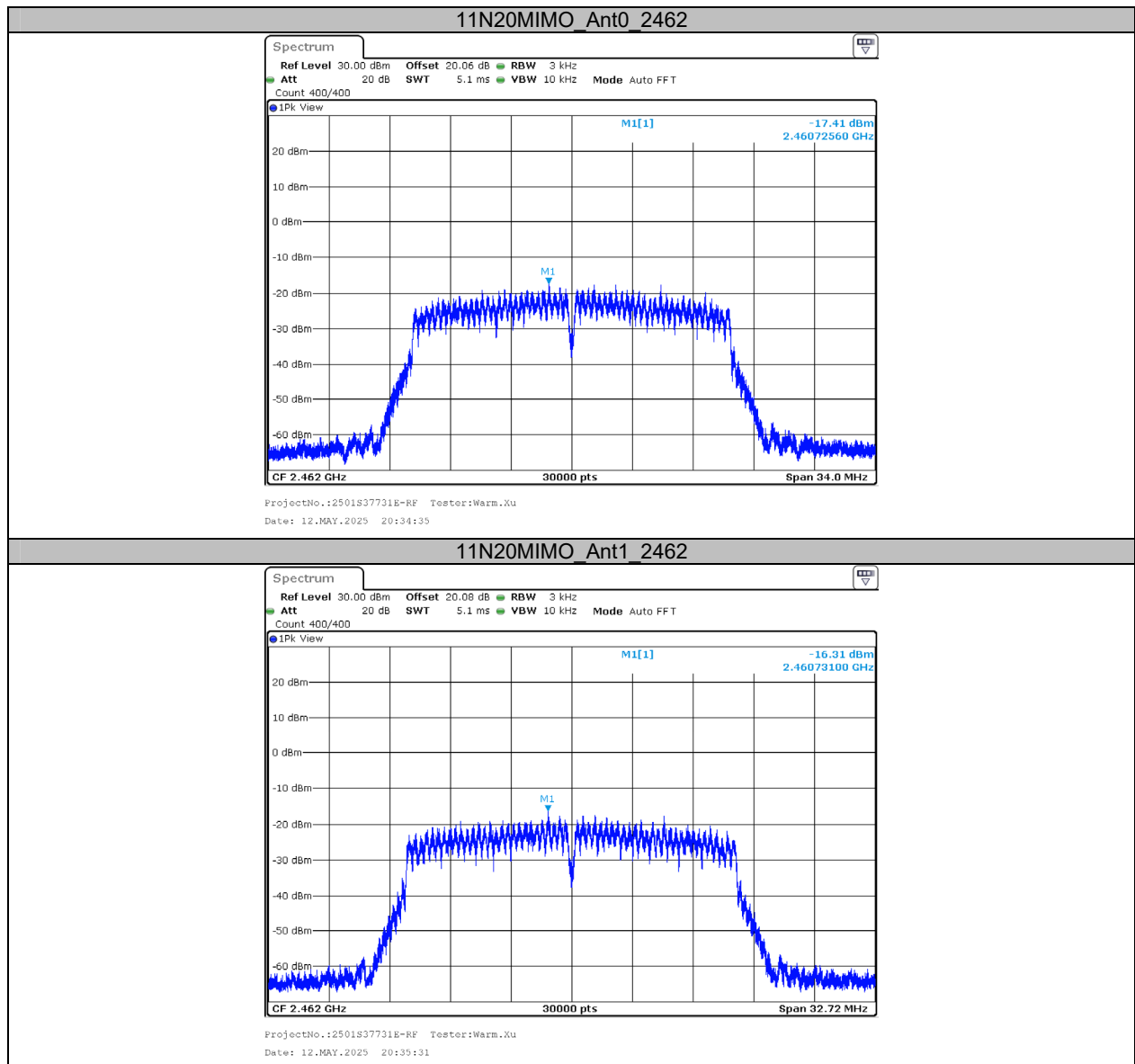
11G_Ant1_2462

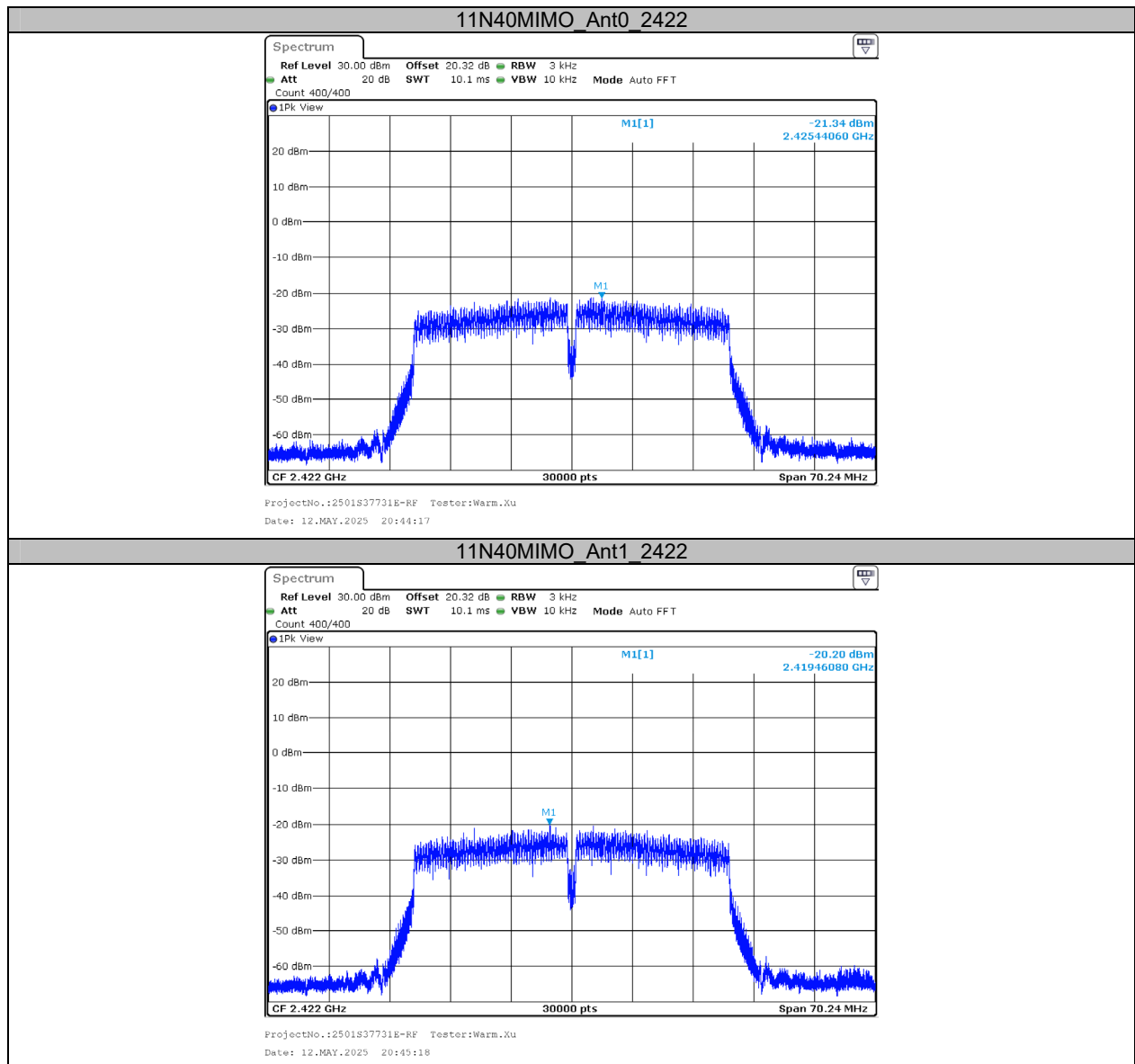


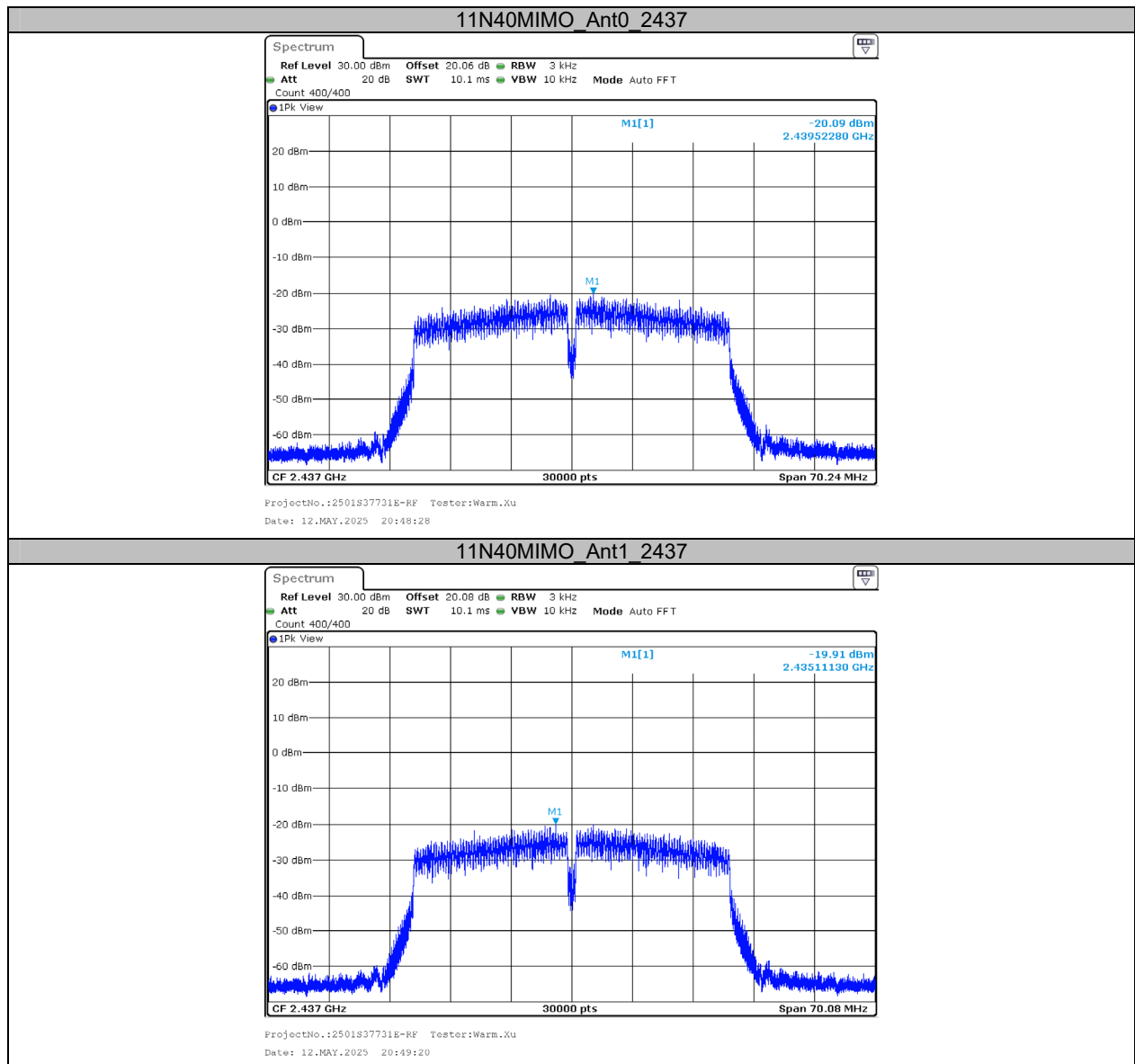
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Date: 12.MAY.2025 20:14:48

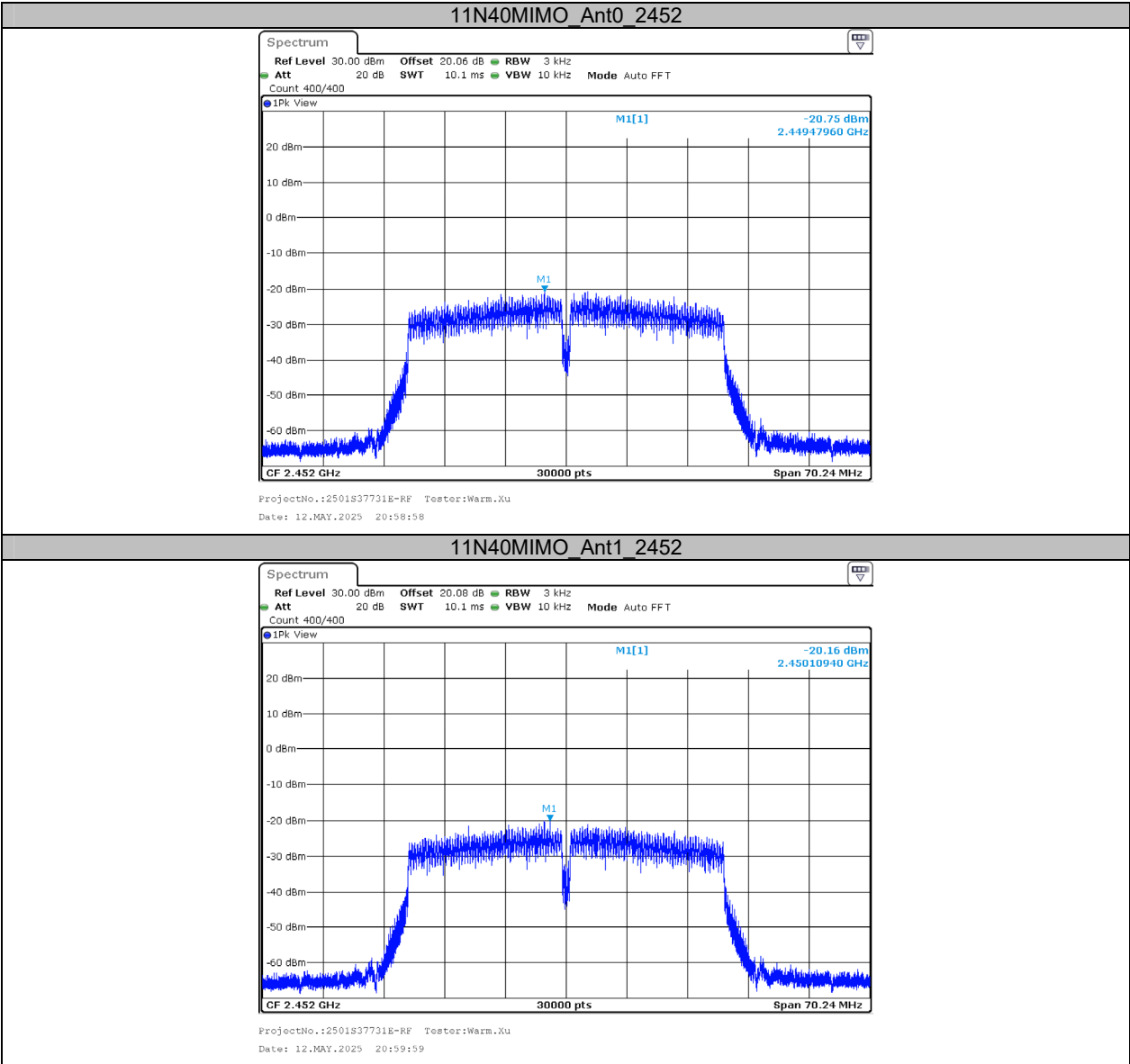






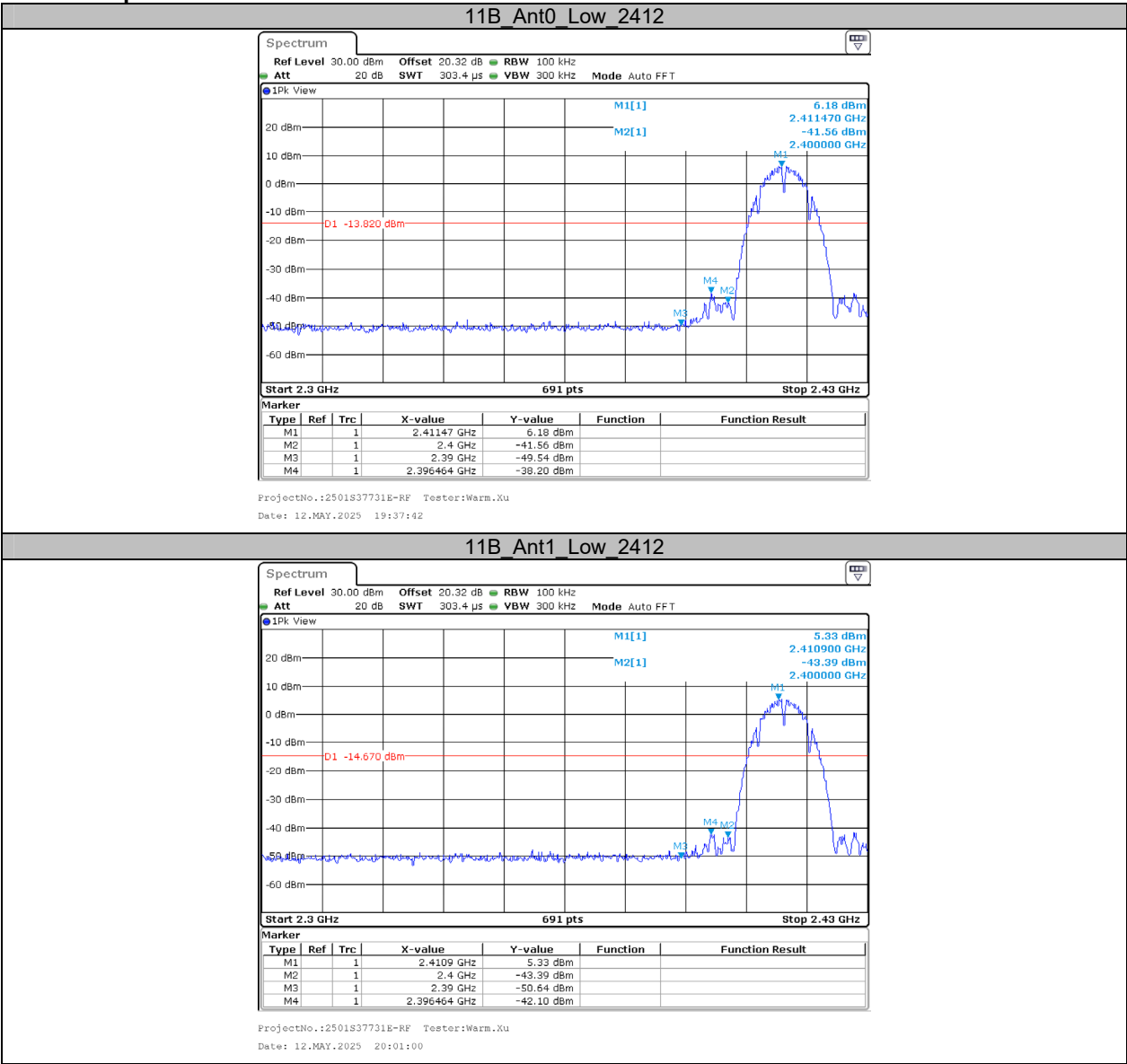




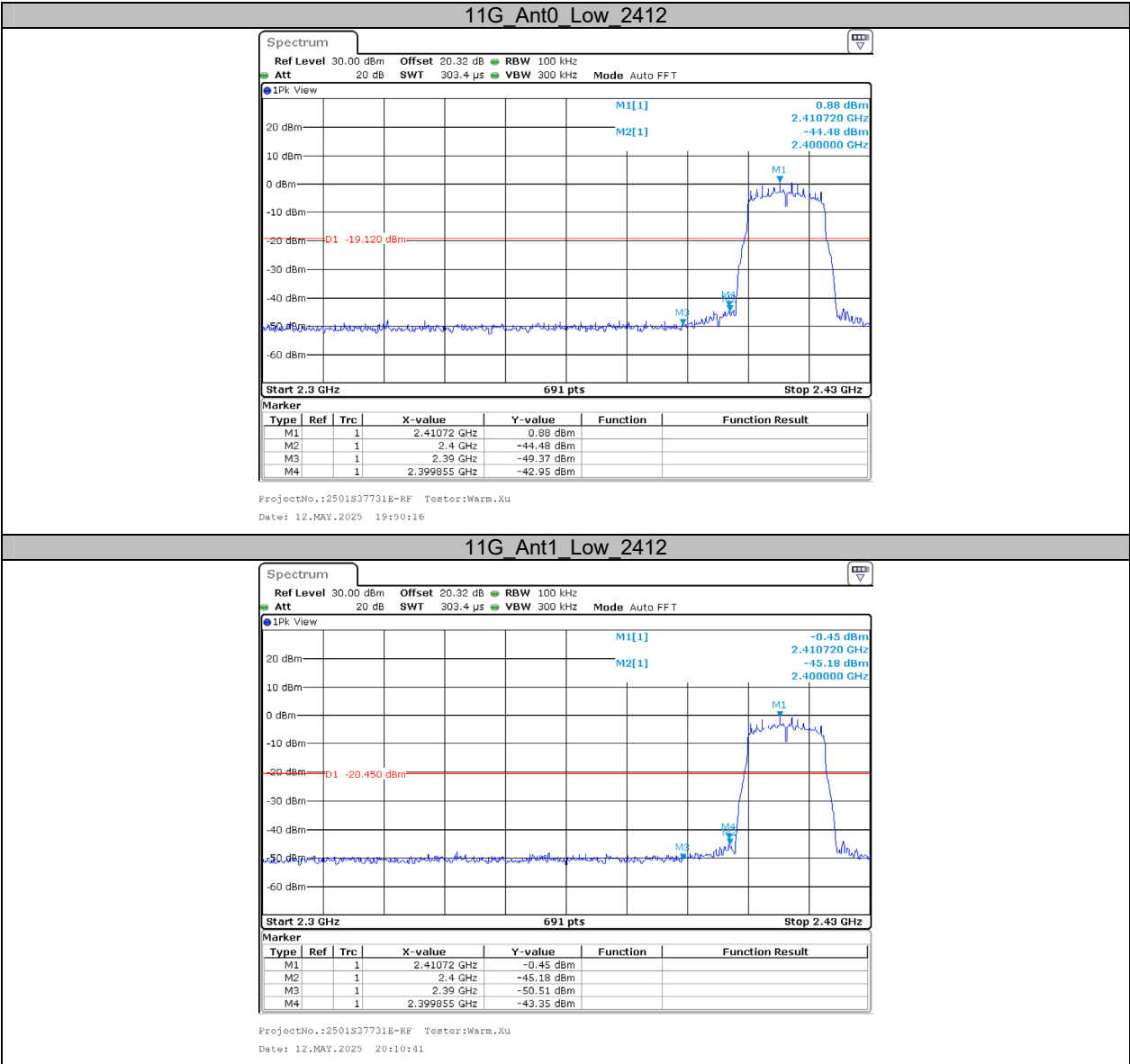


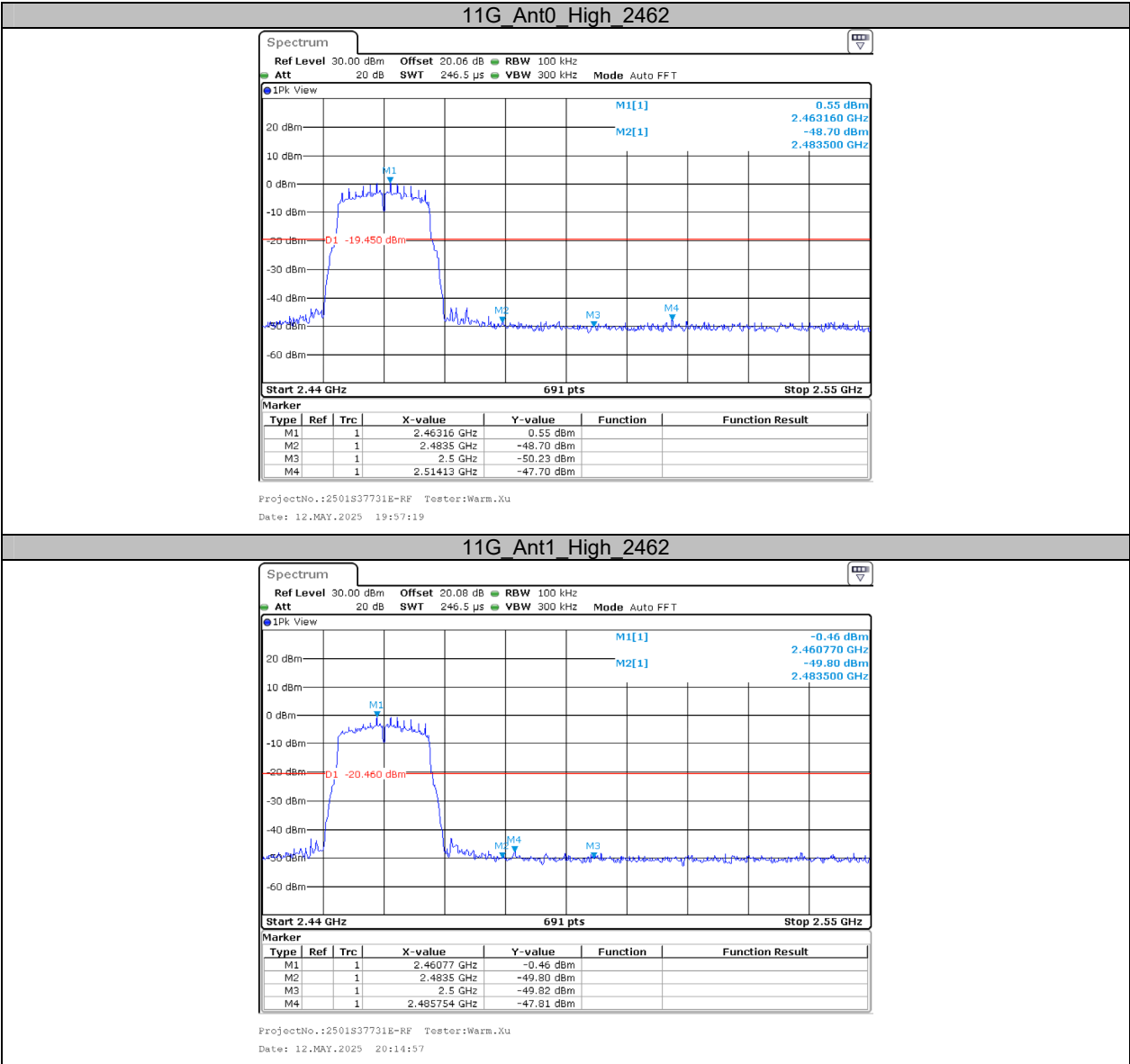
Appendix E: Band edge measurements

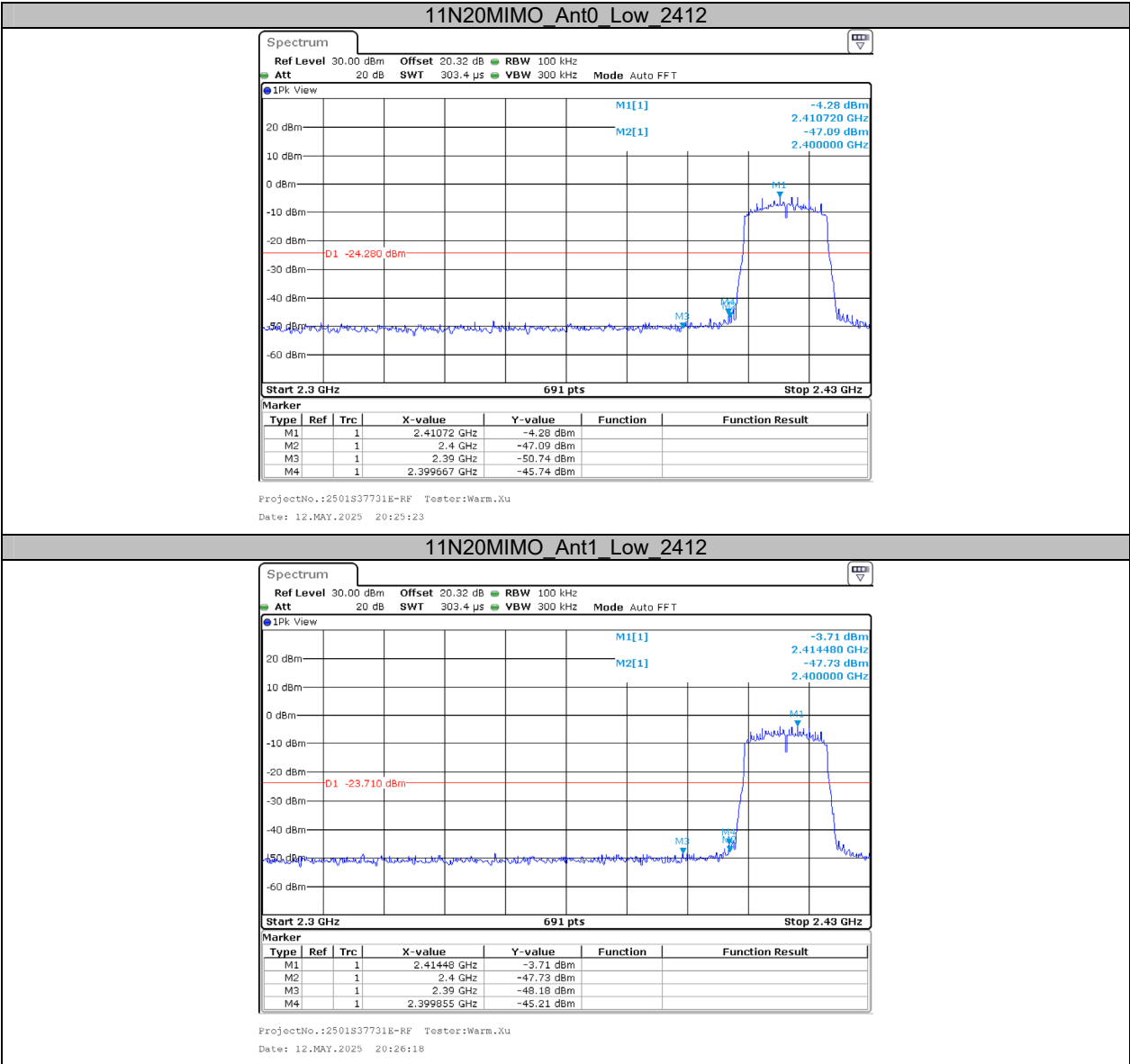
Test Graphs

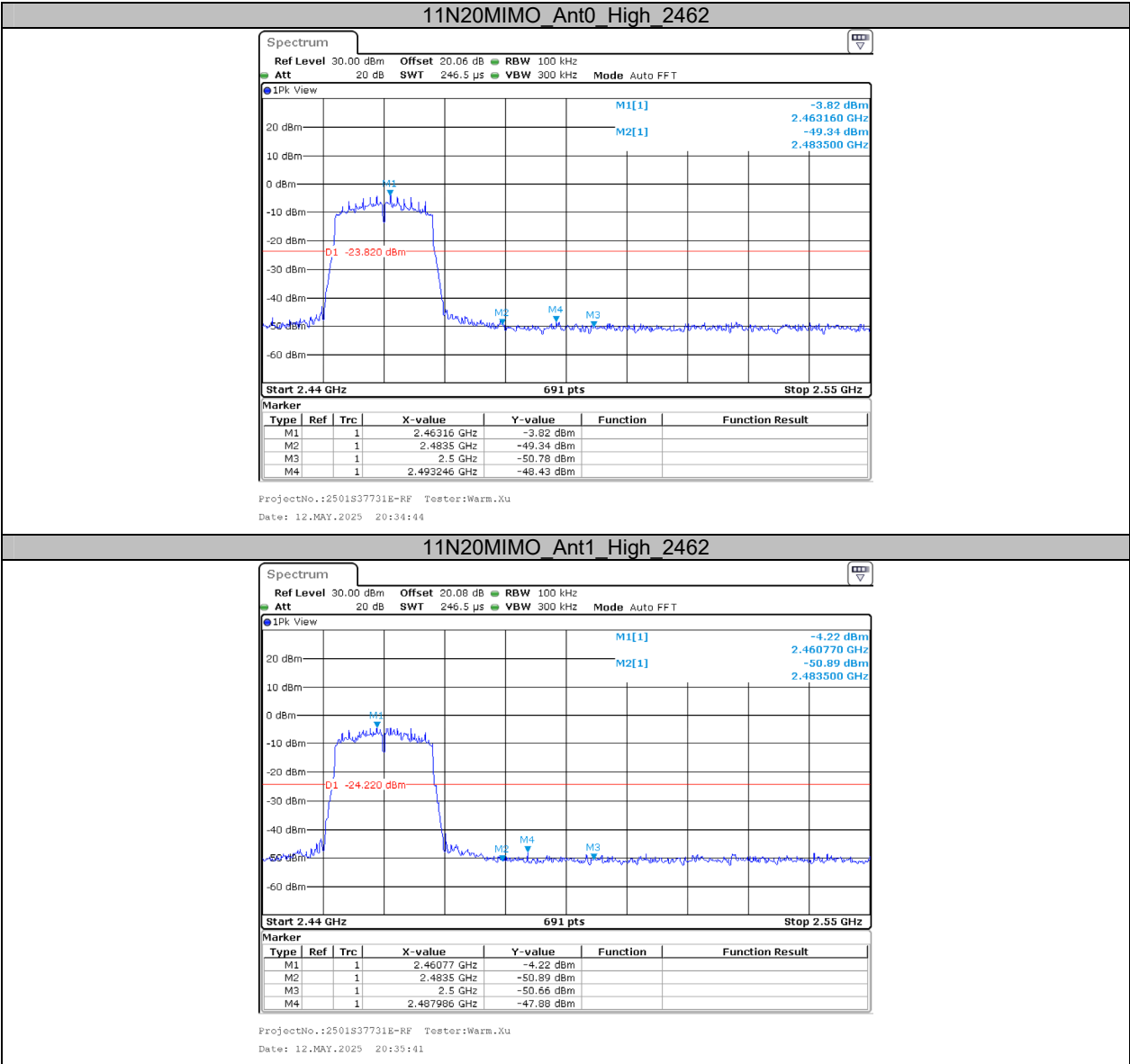


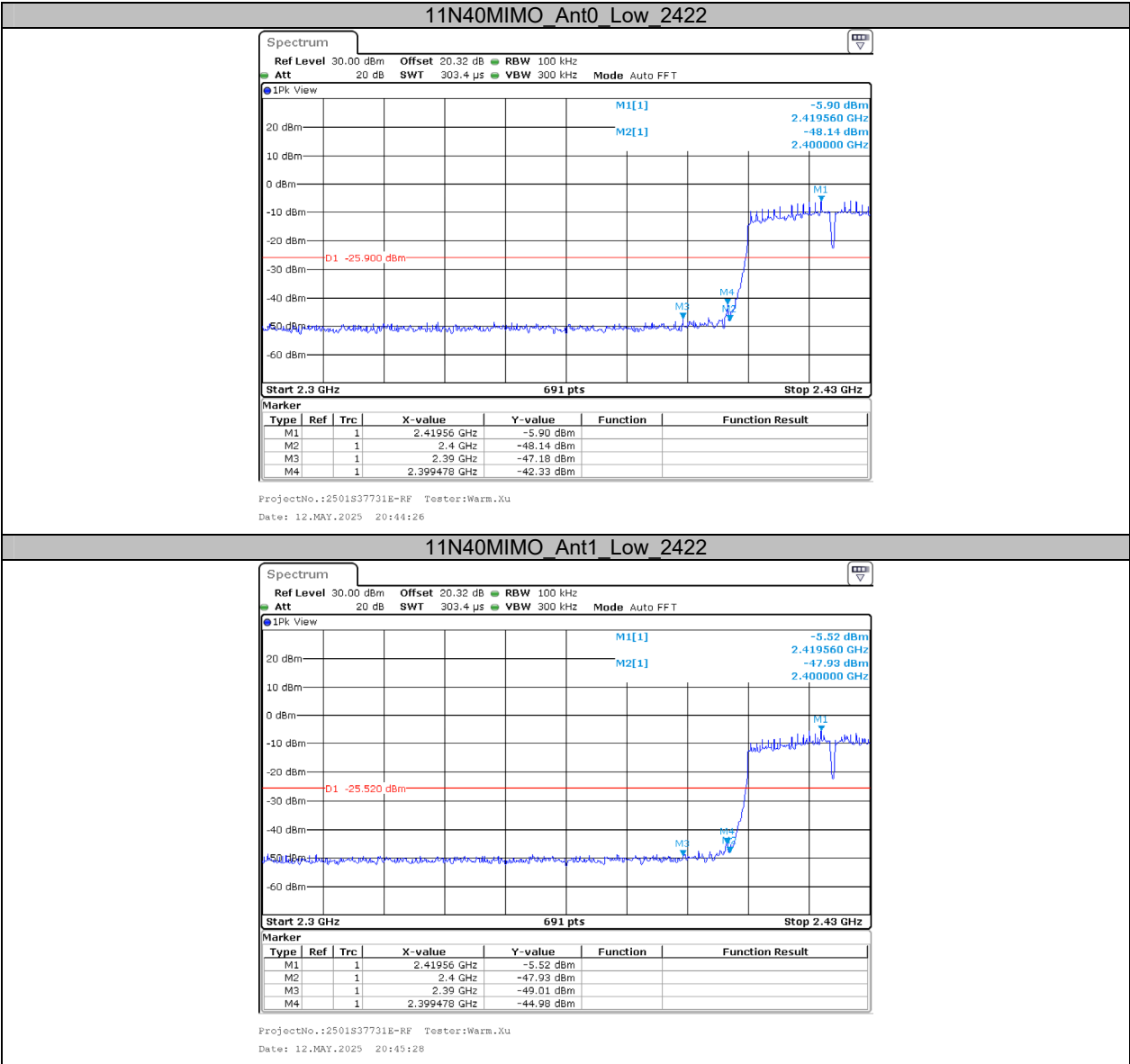


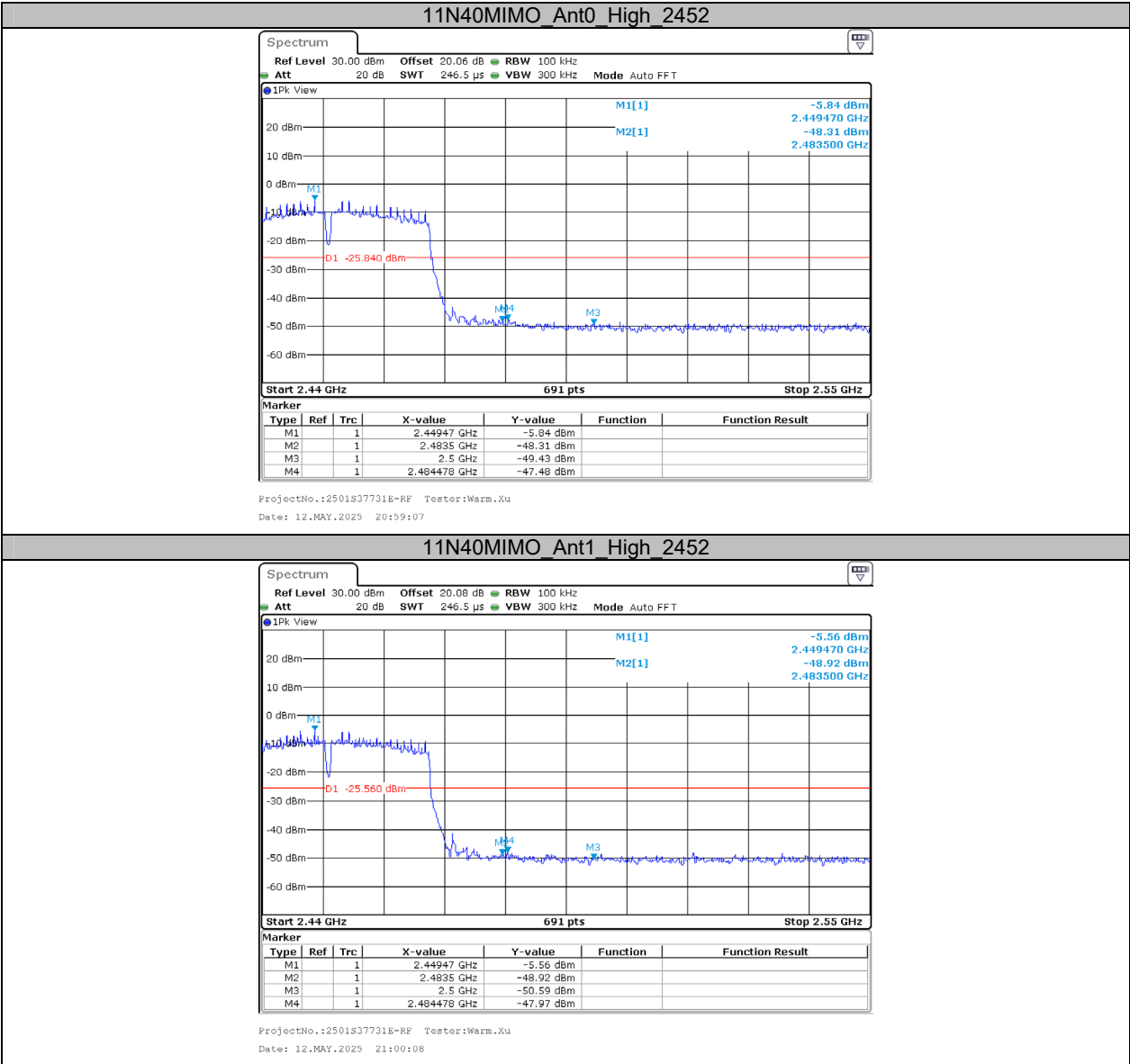












Appendix F: Duty Cycle**Test Result**

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T [Hz]	VBW Setting [kHz]
11B	Ant0	2412	8.38	8.43	99.41	/	/
	Ant1	2412	8.38	8.43	99.41	/	/
	Ant0	2437	8.38	8.43	99.41	/	/
	Ant1	2437	8.38	8.43	99.41	/	/
	Ant0	2462	8.38	8.43	99.41	/	/
	Ant1	2462	8.38	8.43	99.41	/	/
11G	Ant0	2412	1.39	1.44	96.53	719	1
	Ant1	2412	1.39	1.45	95.86	719	1
	Ant0	2437	1.39	1.45	95.86	719	1
	Ant1	2437	1.39	1.45	95.86	719	1
	Ant0	2462	1.39	1.45	95.86	719	1
	Ant1	2462	1.39	1.45	95.86	719	1
11N20MIMO	Ant0	2412	1.30	1.36	95.59	769	1
	Ant1	2412	1.30	1.35	96.30	769	1
	Ant0	2437	1.30	1.35	96.30	769	1
	Ant1	2437	1.30	1.35	96.30	769	1
	Ant0	2462	1.30	1.36	95.59	769	1
	Ant1	2462	1.30	1.35	96.30	769	1
11N40MIMO	Ant0	2422	0.64	0.70	91.43	1563	2
	Ant1	2422	0.65	0.70	92.86	1538	2
	Ant0	2437	0.64	0.70	91.43	1563	2
	Ant1	2437	0.65	0.70	92.86	1538	2
	Ant0	2452	0.65	0.70	92.86	1538	2
	Ant1	2452	0.64	0.70	91.43	1563	2

Test Graphs

