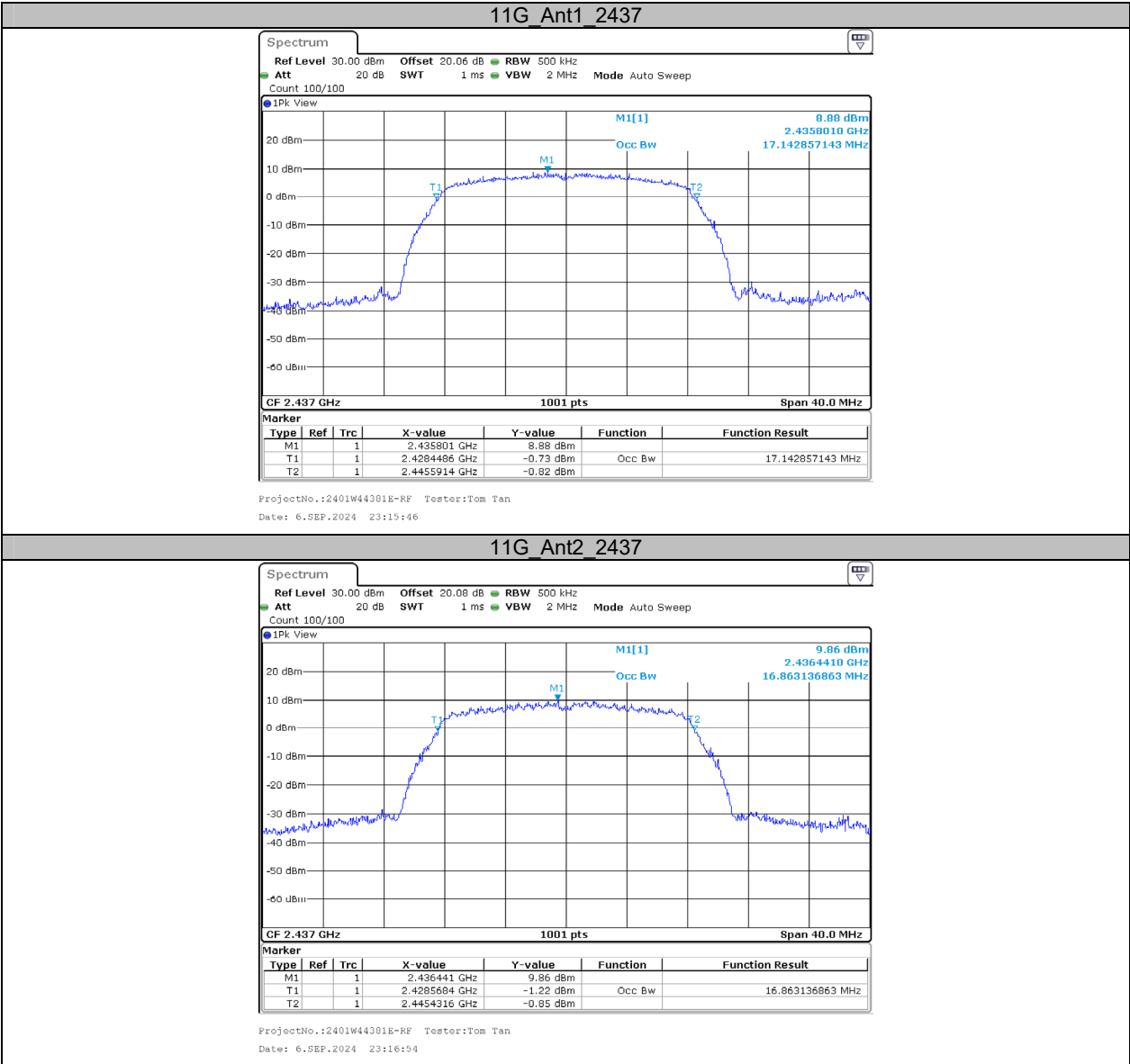
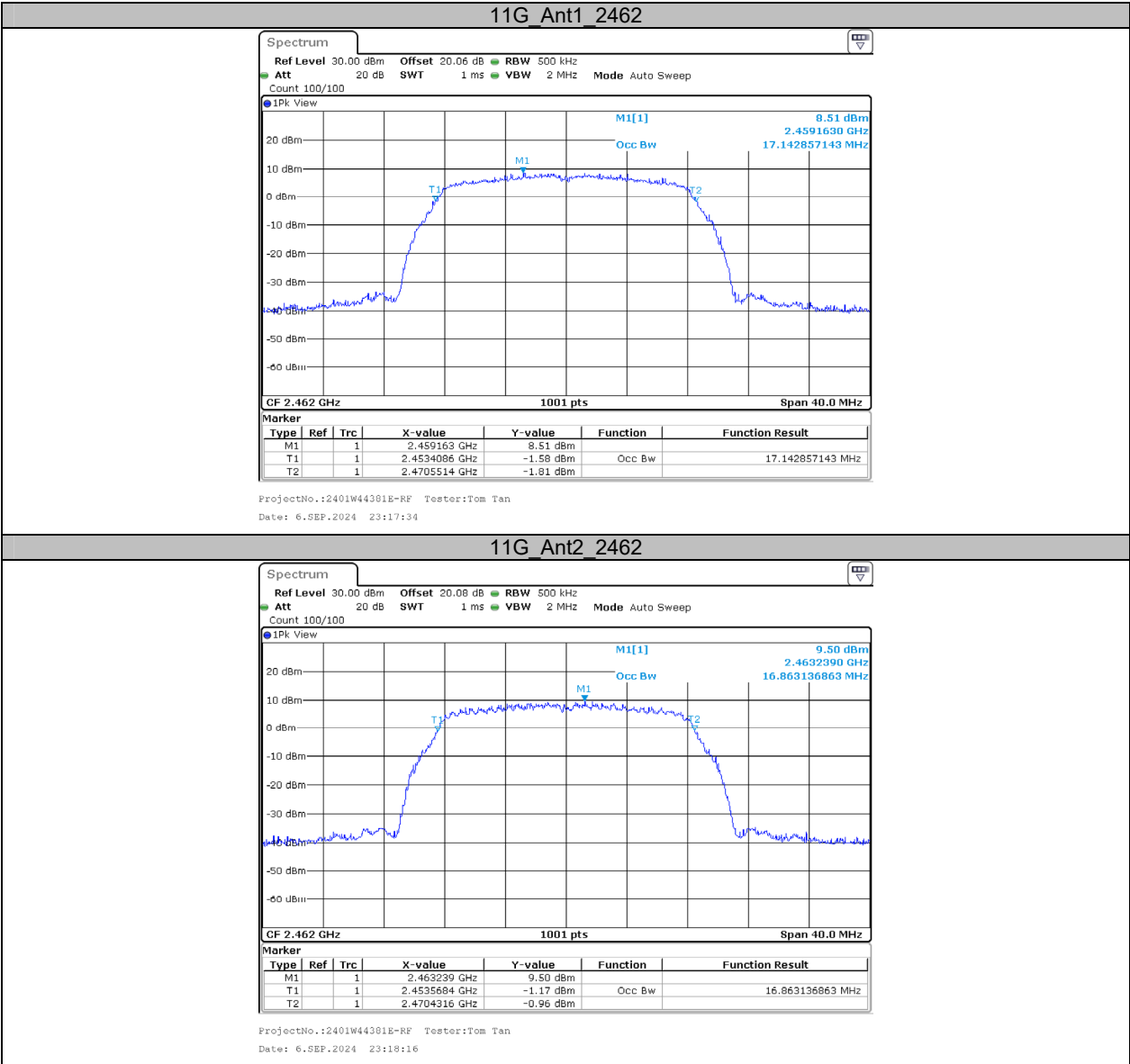
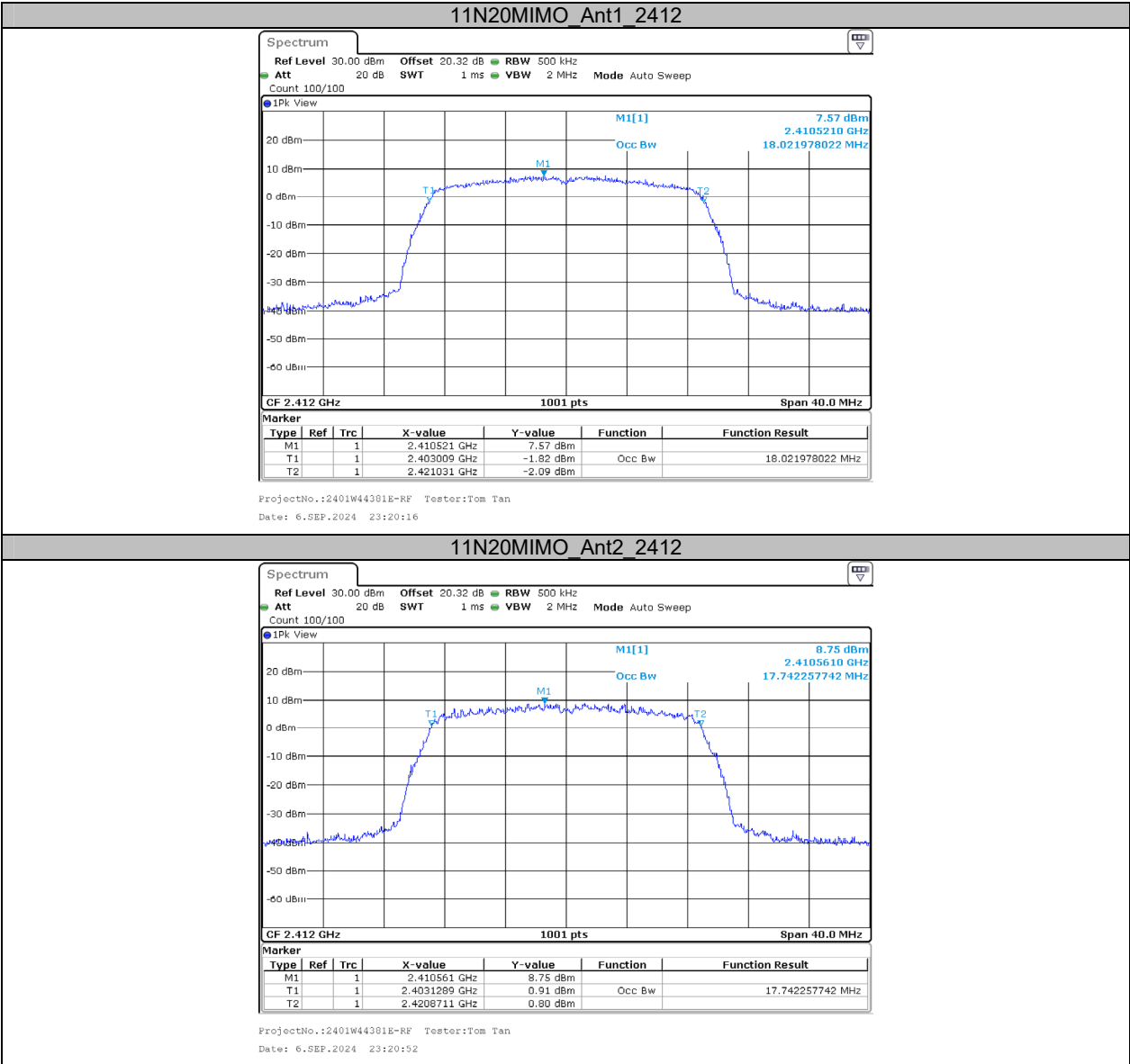
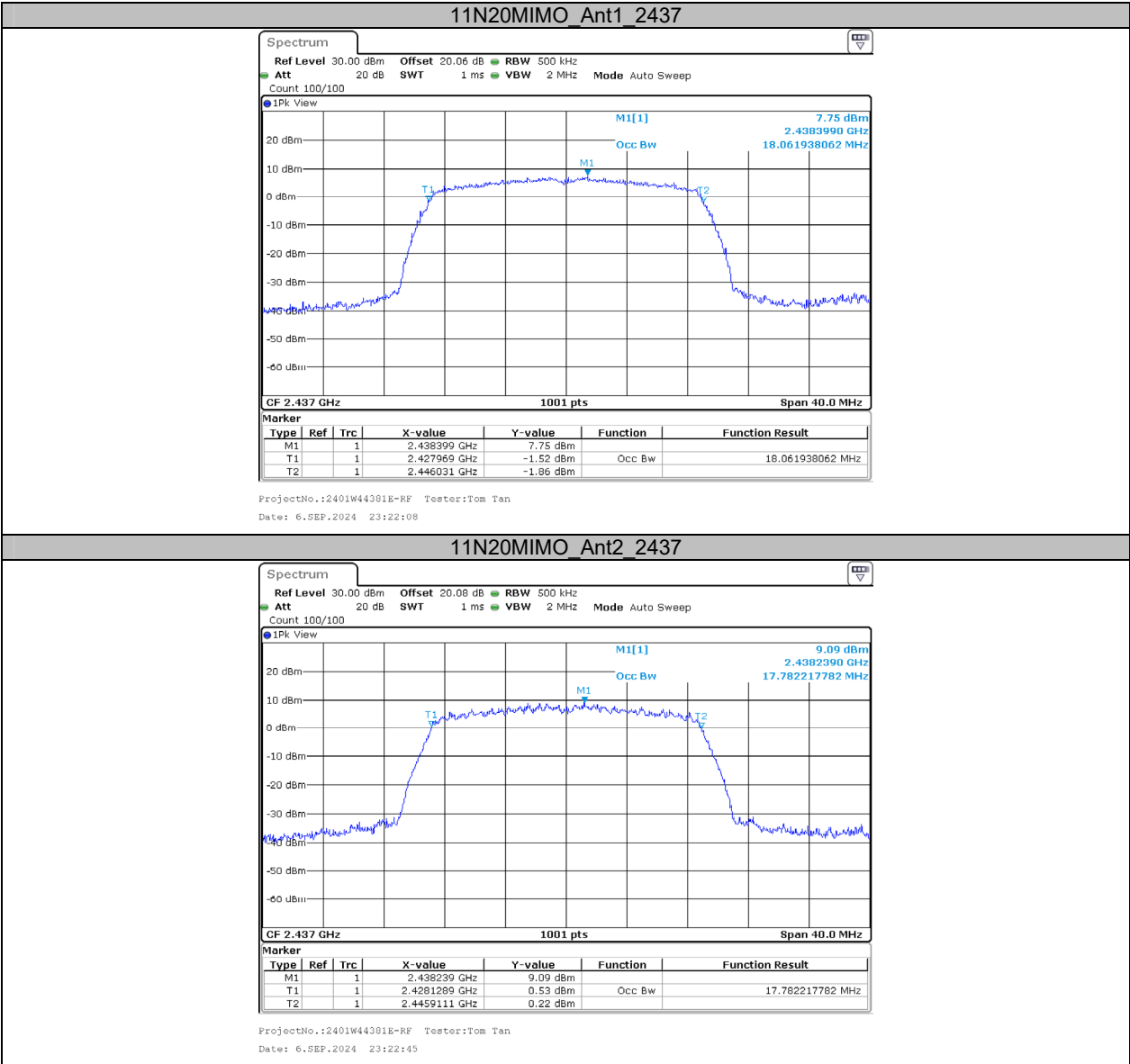
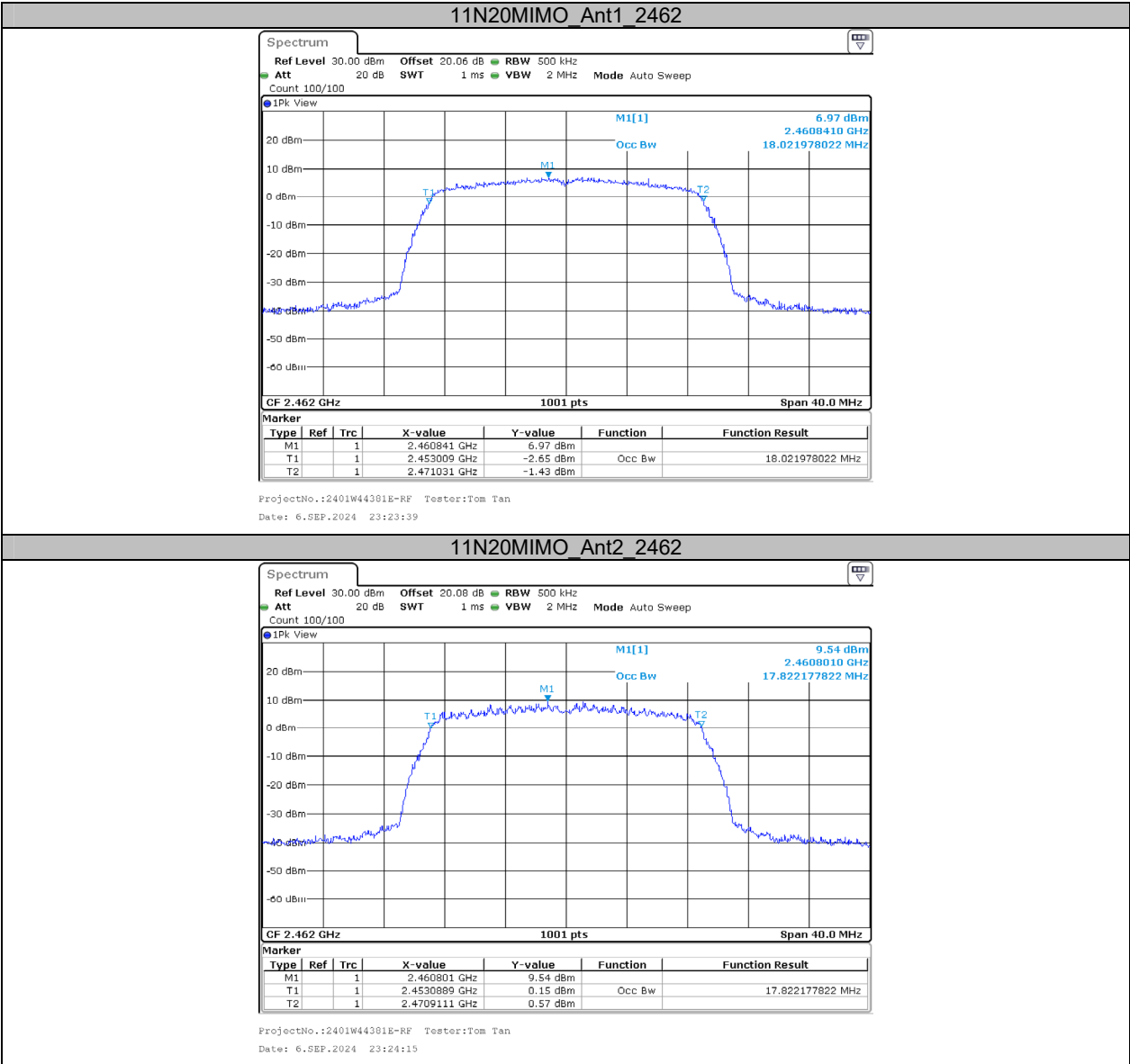


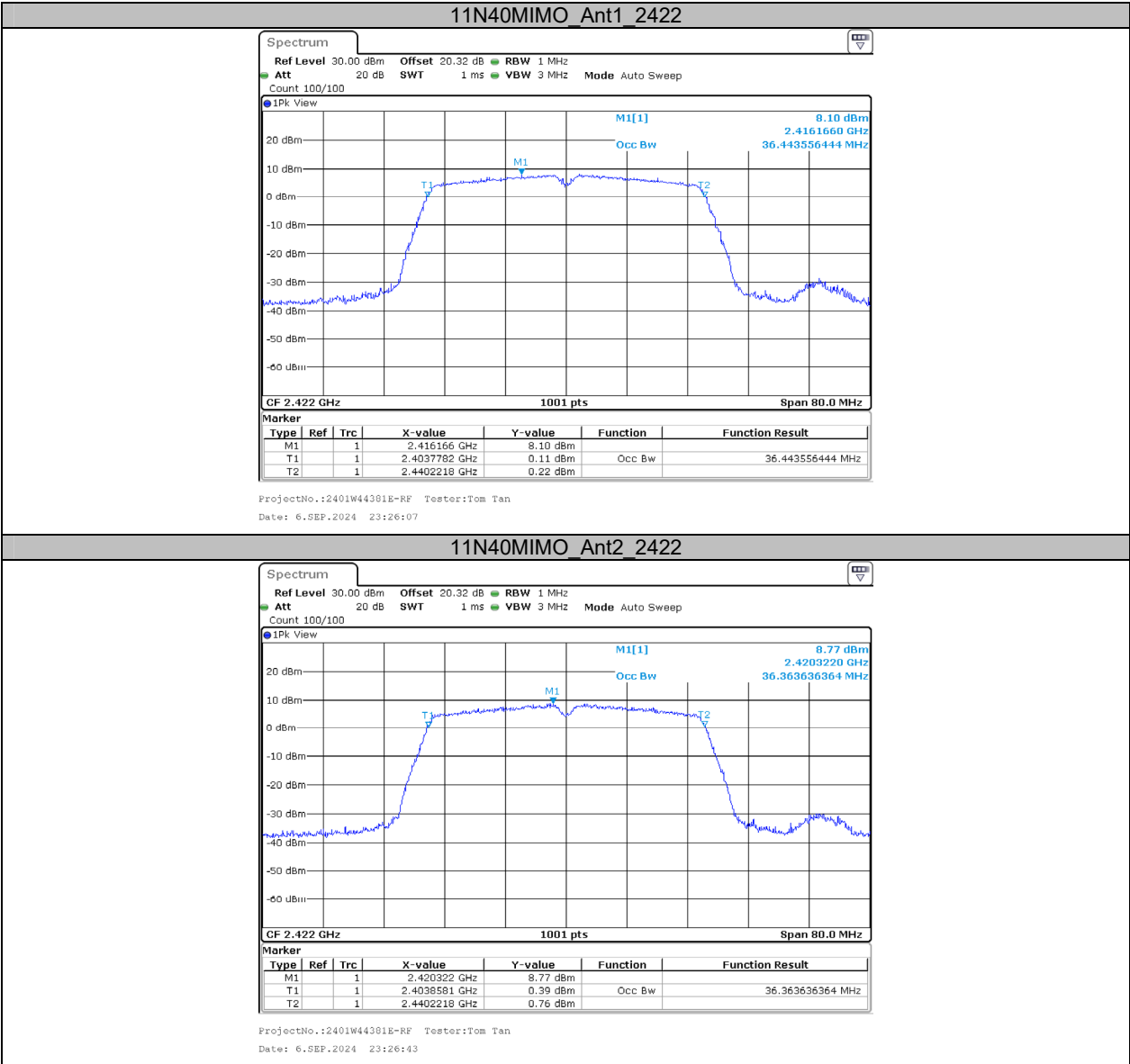


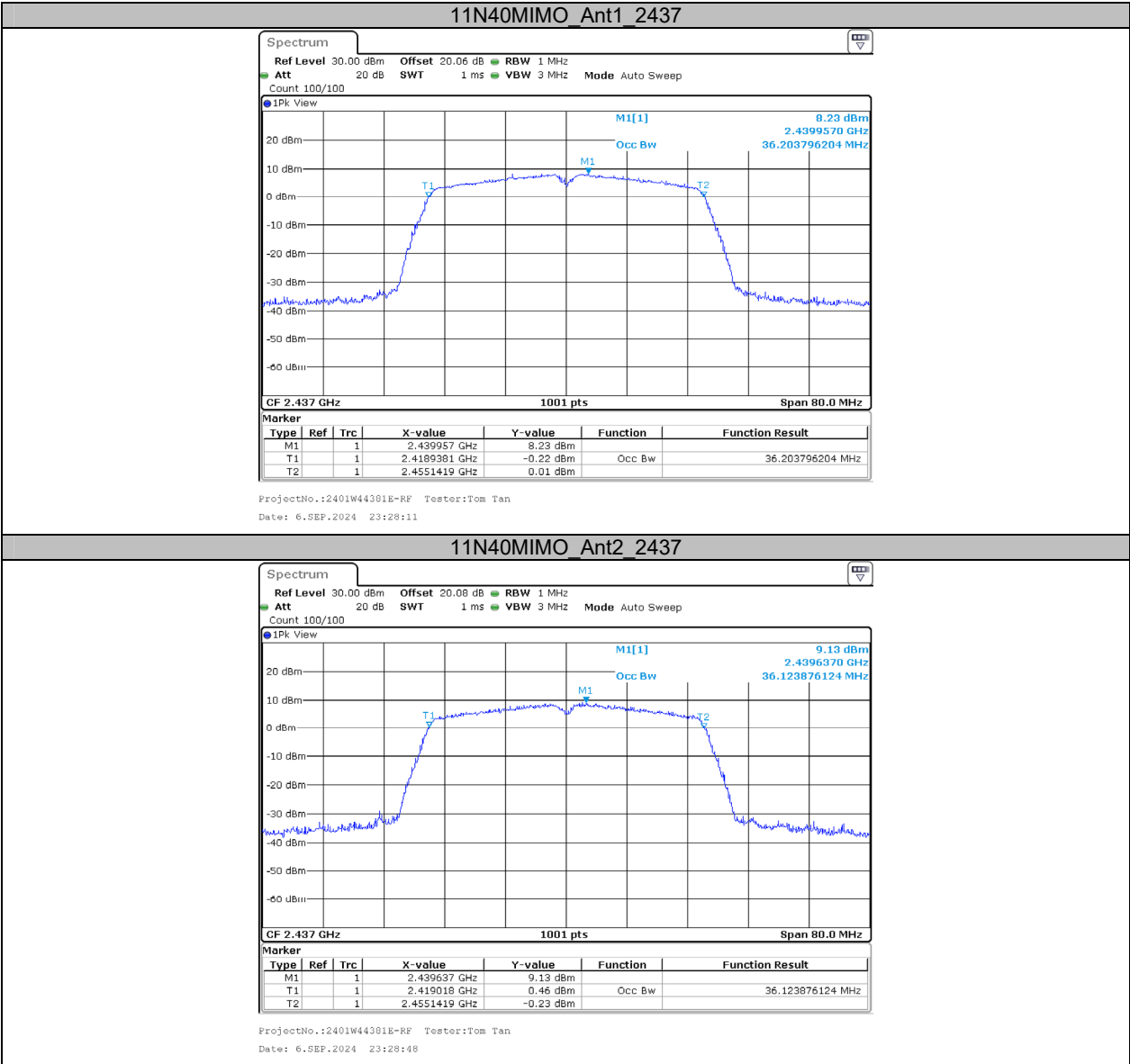




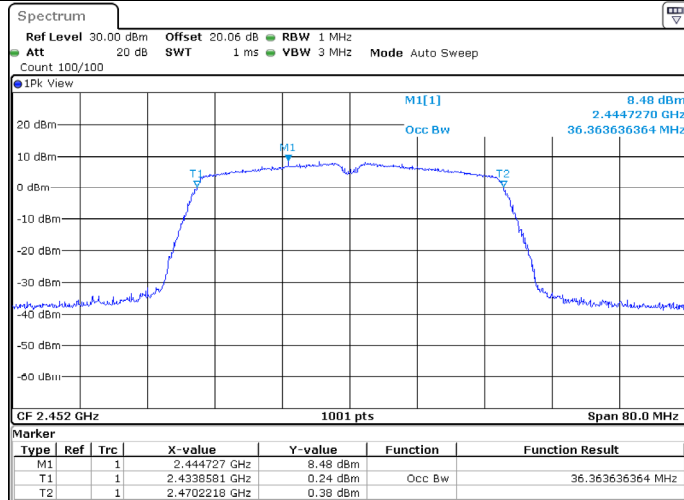






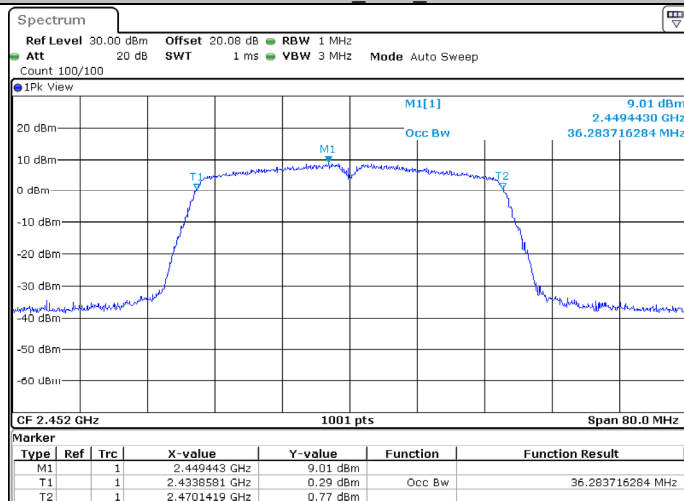


11N40MIMO_Ant1_2452



ProjectNo.:2401W44381E-RF Tester:Tom Tan
Date: 6.SEP.2024 23:29:26

11N40MIMO_Ant2_2452



ProjectNo.:2401W44381E-RF Tester:Tom Tan
Date: 6.SEP.2024 23:30:01

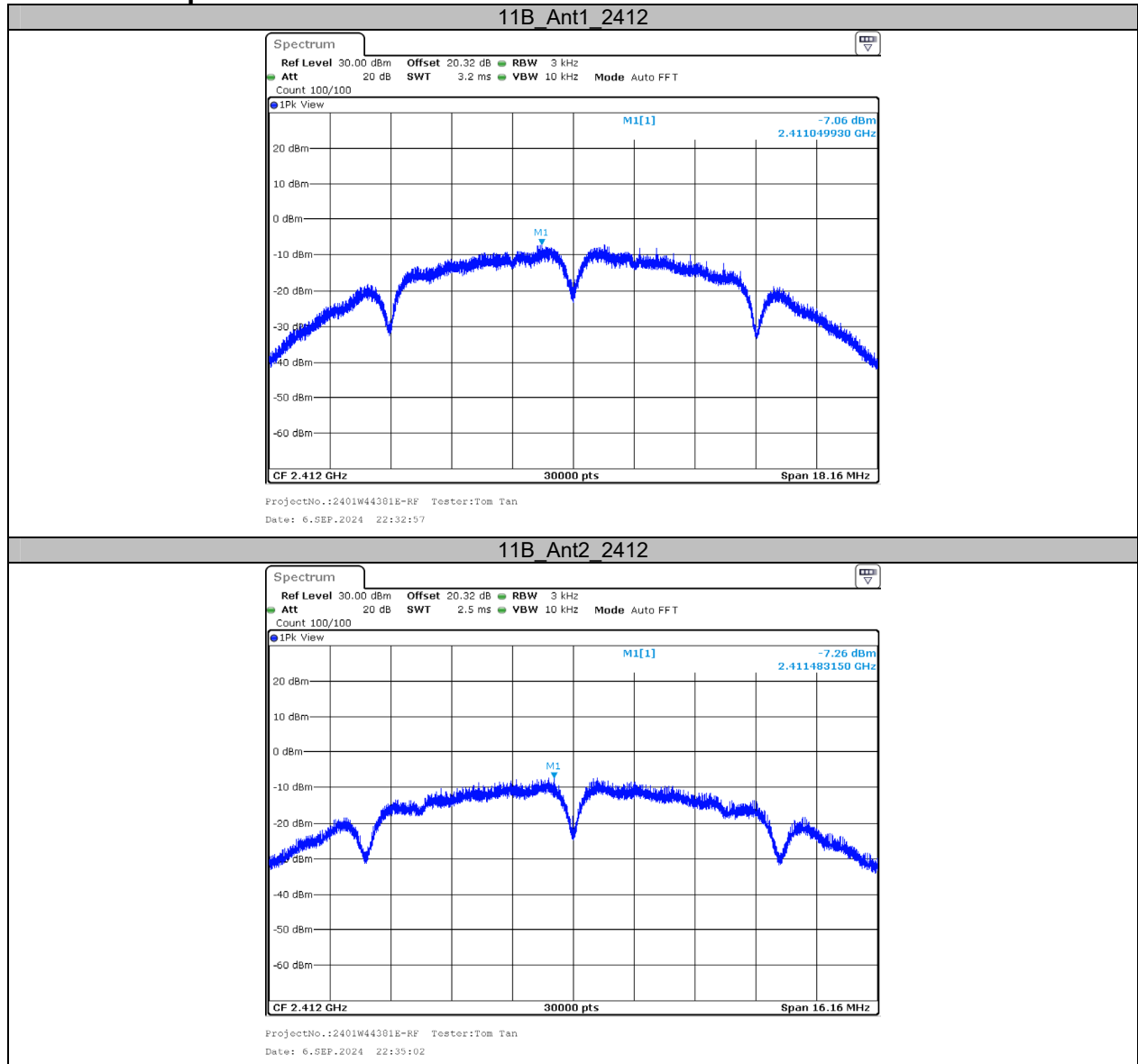
Appendix C: Maximum conducted output power**Test Result Peak**

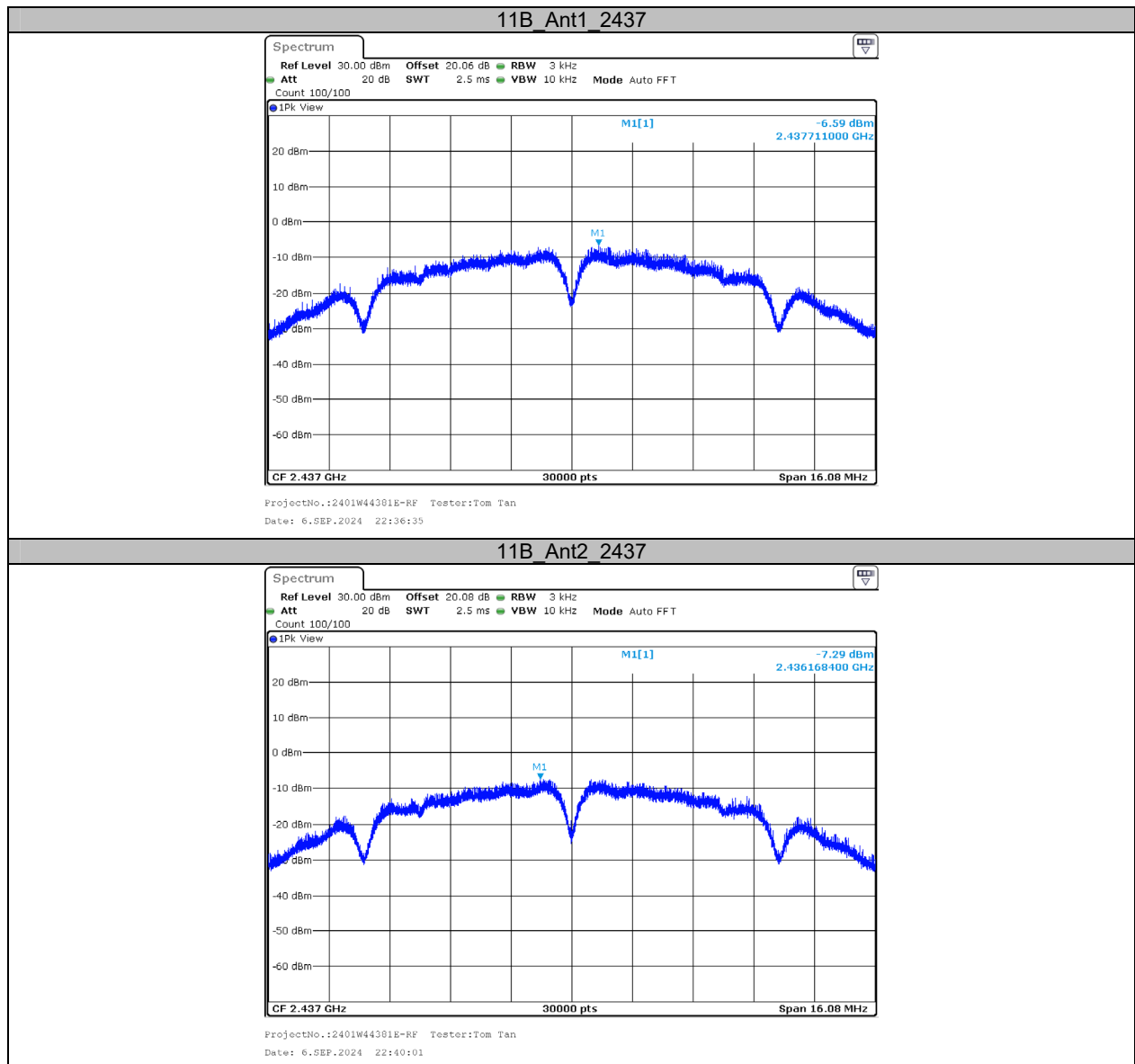
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	17.46	≤30.00	PASS
	Ant2	2412	16.89	≤30.00	PASS
	Ant1	2437	17.32	≤30.00	PASS
	Ant2	2437	17.18	≤30.00	PASS
	Ant1	2462	16.91	≤30.00	PASS
	Ant2	2462	17.00	≤30.00	PASS
11G	Ant1	2412	21.76	≤30.00	PASS
	Ant2	2412	22.05	≤30.00	PASS
	Ant1	2437	21.60	≤30.00	PASS
	Ant2	2437	21.60	≤30.00	PASS
	Ant1	2462	21.32	≤30.00	PASS
	Ant2	2462	21.56	≤30.00	PASS
11N20MIMO	Ant1	2412	20.72	≤30.00	PASS
	Ant2	2412	21.06	≤30.00	PASS
	total	2412	23.90	≤30.00	PASS
	Ant1	2437	20.21	≤30.00	PASS
	Ant2	2437	20.70	≤30.00	PASS
	total	2437	23.47	≤30.00	PASS
	Ant1	2462	20.23	≤30.00	PASS
	Ant2	2462	20.56	≤30.00	PASS
11N40MIMO	Ant1	2422	20.84	≤30.00	PASS
	Ant2	2422	21.14	≤30.00	PASS
	total	2422	24.00	≤30.00	PASS
	Ant1	2437	20.66	≤30.00	PASS
	Ant2	2437	21.01	≤30.00	PASS
	total	2437	23.85	≤30.00	PASS
	Ant1	2452	20.74	≤30.00	PASS
	Ant2	2452	21.02	≤30.00	PASS
	total	2452	23.89	≤30.00	PASS
Note: 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 $N_{ANT} \leq 4$					
Max Antenna Gain:	2.34	dBi	Directional gain:	2.34	dBi

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

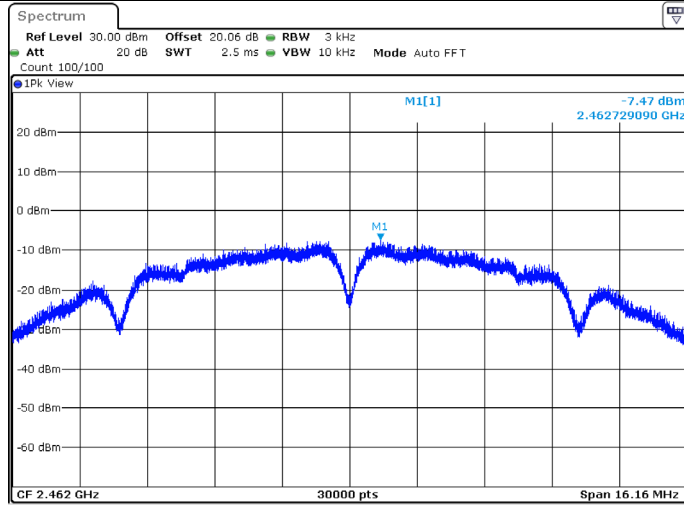
Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.06	≤8.00	PASS
	Ant2	2412	-7.26	≤8.00	PASS
	Ant1	2437	-6.59	≤8.00	PASS
	Ant2	2437	-7.29	≤8.00	PASS
	Ant1	2462	-7.47	≤8.00	PASS
	Ant2	2462	-7.02	≤8.00	PASS
11G	Ant1	2412	-9.34	≤8.00	PASS
	Ant2	2412	-8.98	≤8.00	PASS
	Ant1	2437	-9.89	≤8.00	PASS
	Ant2	2437	-9.78	≤8.00	PASS
	Ant1	2462	-9.75	≤8.00	PASS
	Ant2	2462	-10.22	≤8.00	PASS
11N20MIMO	Ant1	2412	-10.21	≤8.00	PASS
	Ant2	2412	-10.28	≤8.00	PASS
	total	2412	-7.23	≤8.00	PASS
	Ant1	2437	-11.25	≤8.00	PASS
	Ant2	2437	-10.64	≤8.00	PASS
	total	2437	-7.92	≤8.00	PASS
	Ant1	2462	-11.01	≤8.00	PASS
	Ant2	2462	-11.07	≤8.00	PASS
11N40MIMO	total	2462	-8.03	≤8.00	PASS
	Ant1	2422	-13.63	≤8.00	PASS
	Ant2	2422	-13.56	≤8.00	PASS
	total	2422	-10.58	≤8.00	PASS
	Ant1	2437	-14.28	≤8.00	PASS
	Ant2	2437	-13.48	≤8.00	PASS
	total	2437	-10.85	≤8.00	PASS
	Ant1	2452	-13.70	≤8.00	PASS
	Ant2	2452	-13.95	≤8.00	PASS
	total	2452	-10.81	≤8.00	PASS
Note: 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					
Max Antenna Gain:	2.34	dBi	Directional gain:	5.34	dBi

Test Graphs



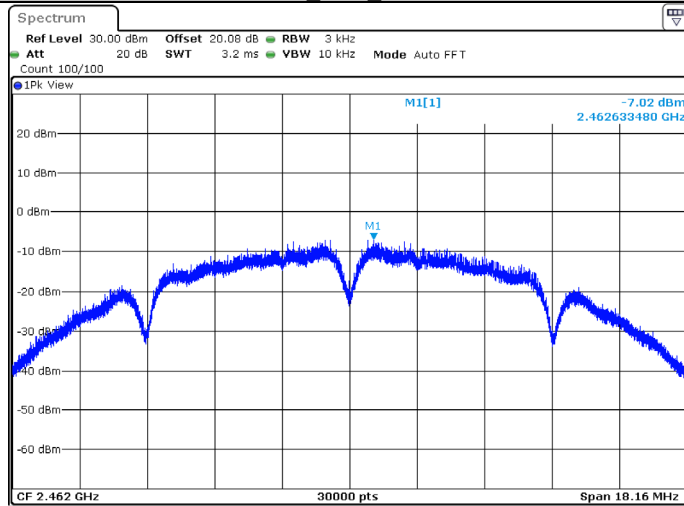


11B_Ant1_2462

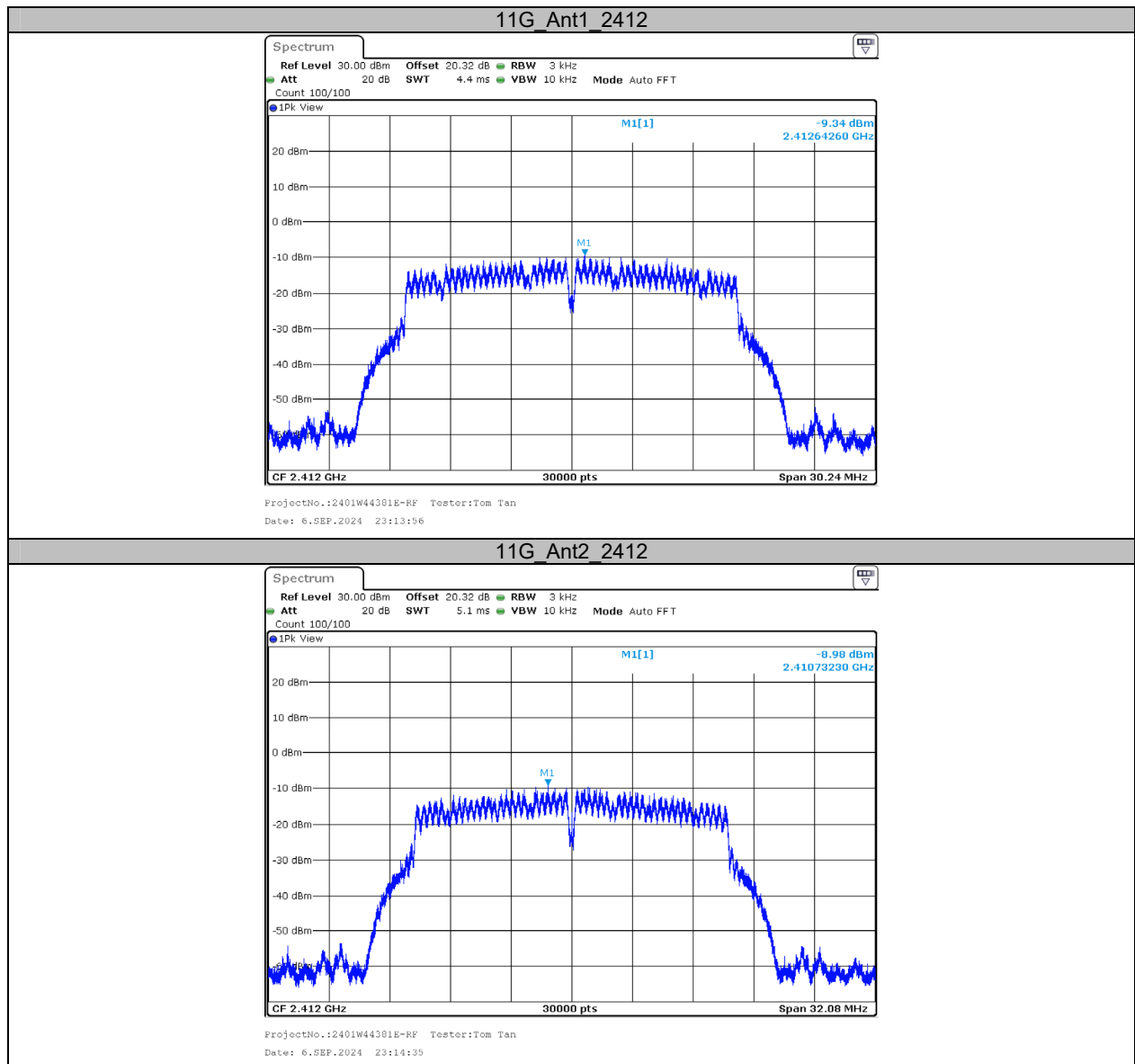


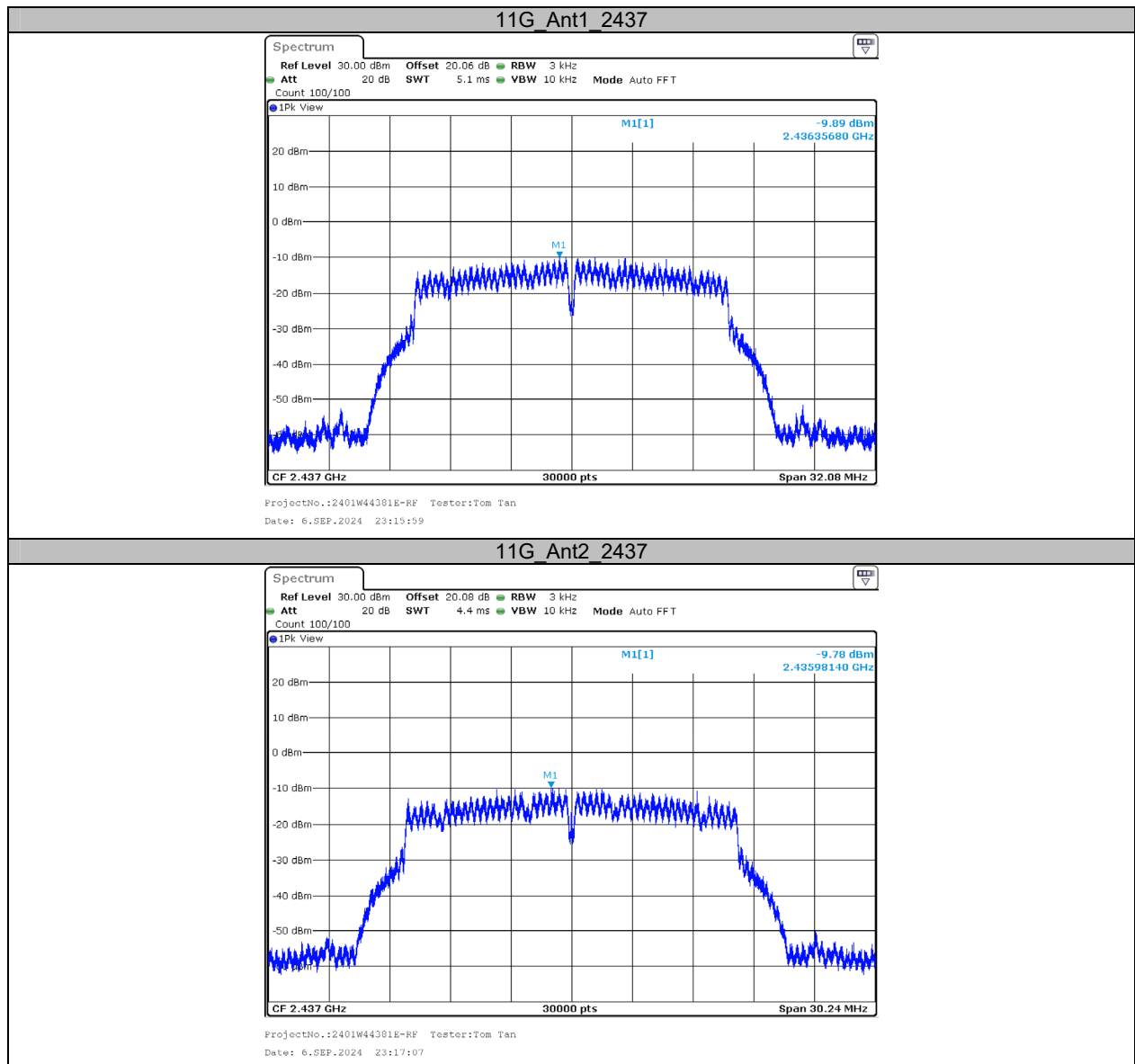
ProjectNo.:2401W44381E-RF Tester:Tom Tan
Date: 6.SEP.2024 23:11:41

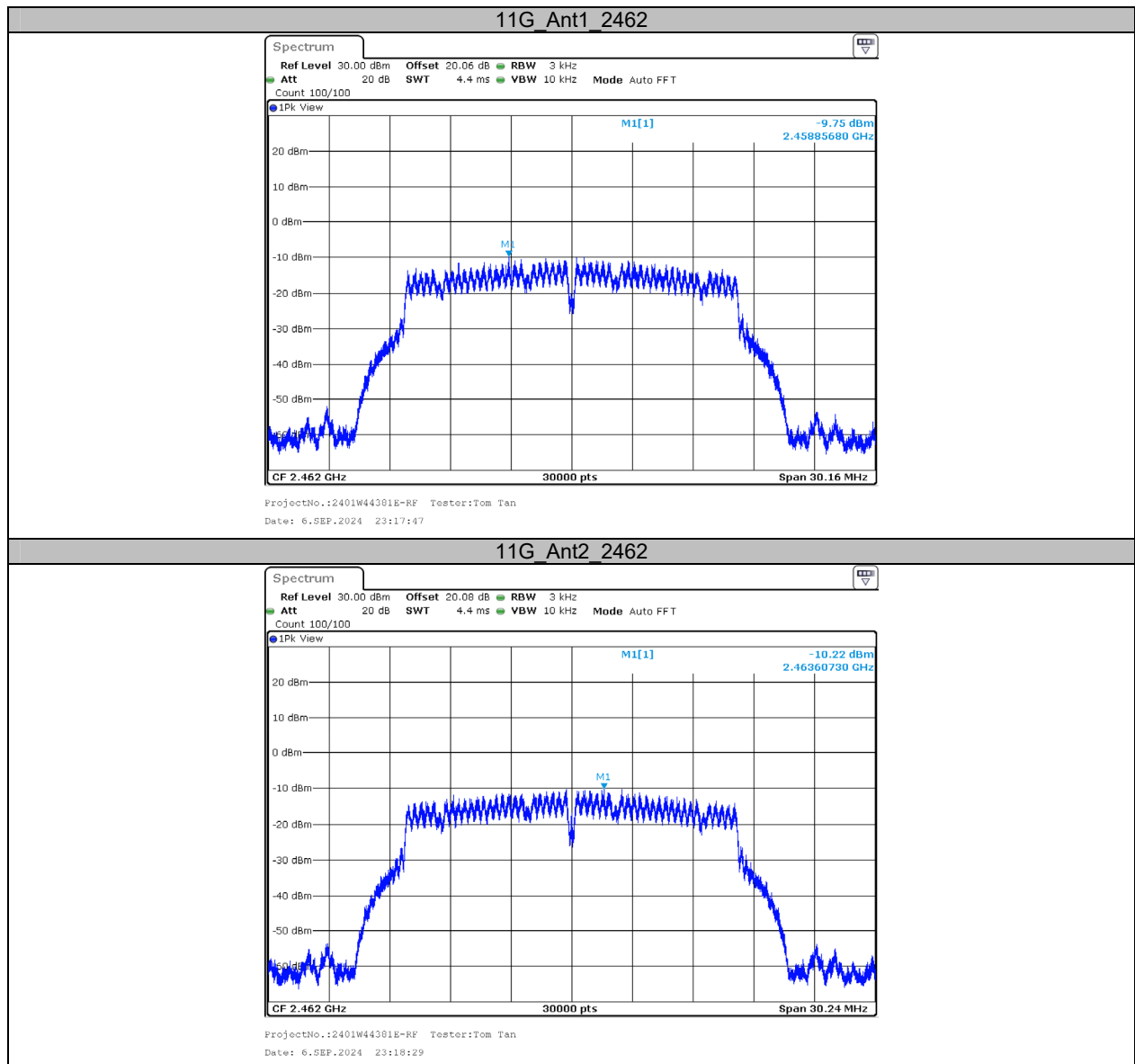
11B_Ant2_2462

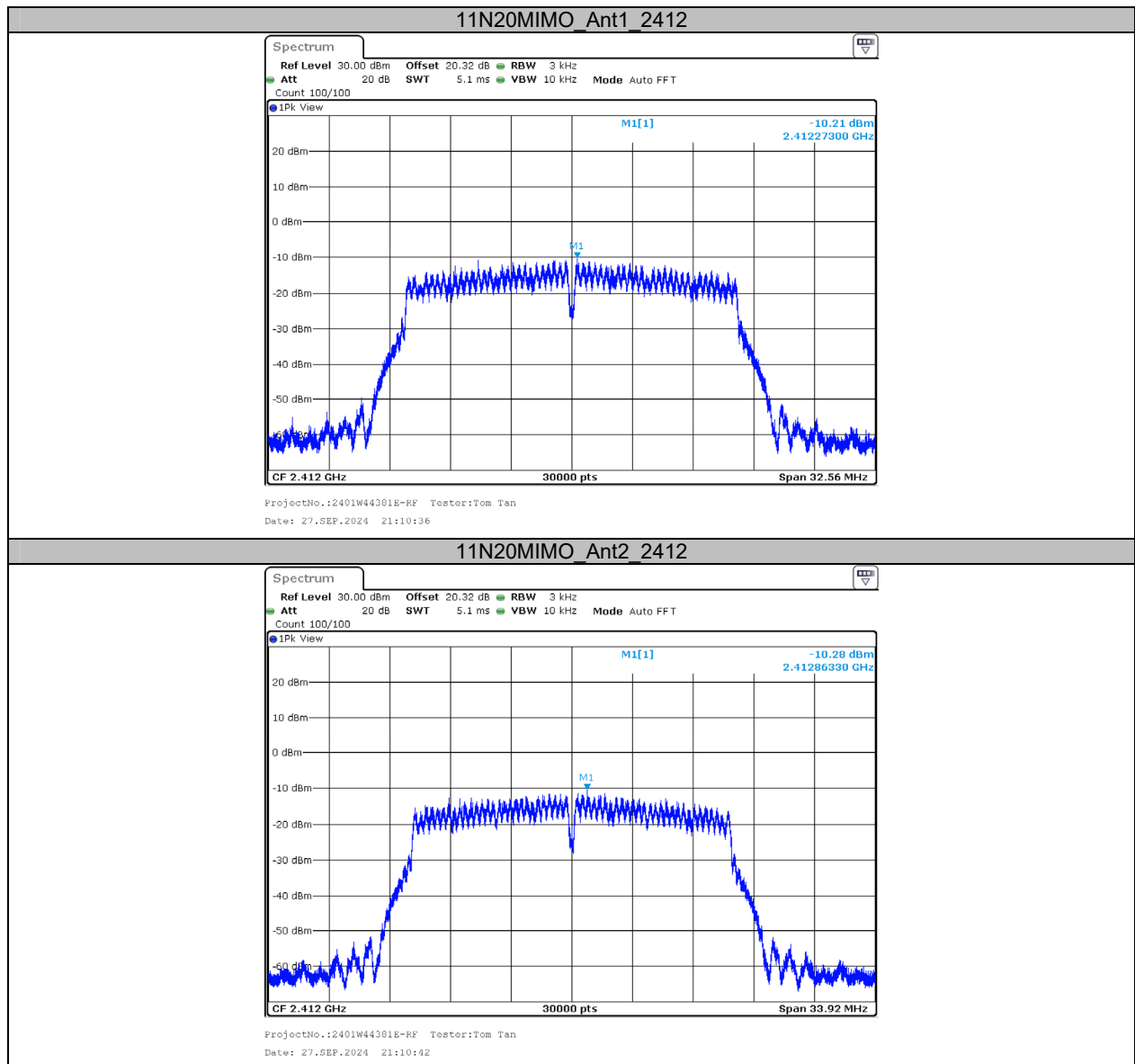


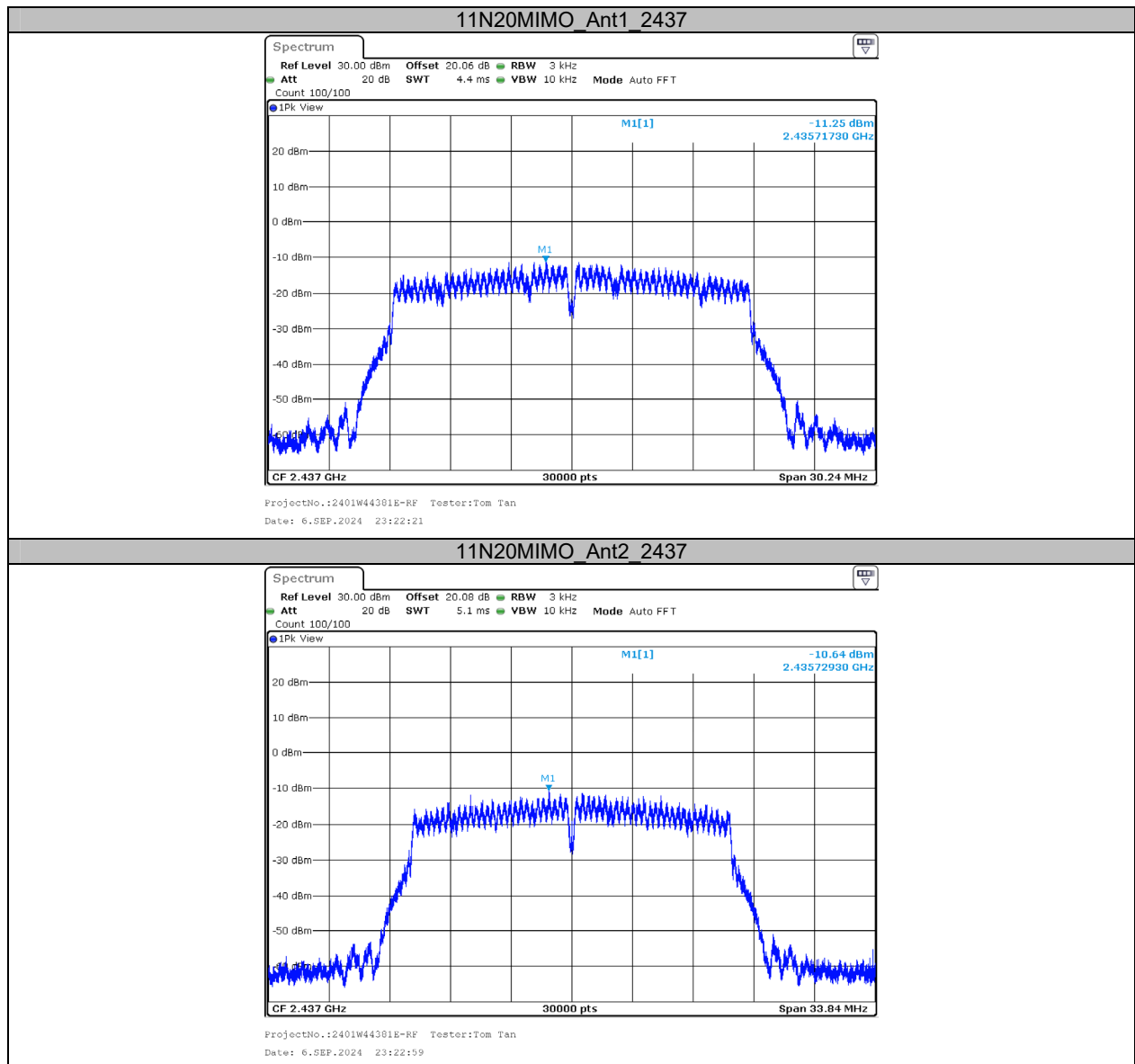
ProjectNo.:2401W44381E-RF Tester:Tom Tan
Date: 6.SEP.2024 23:12:17

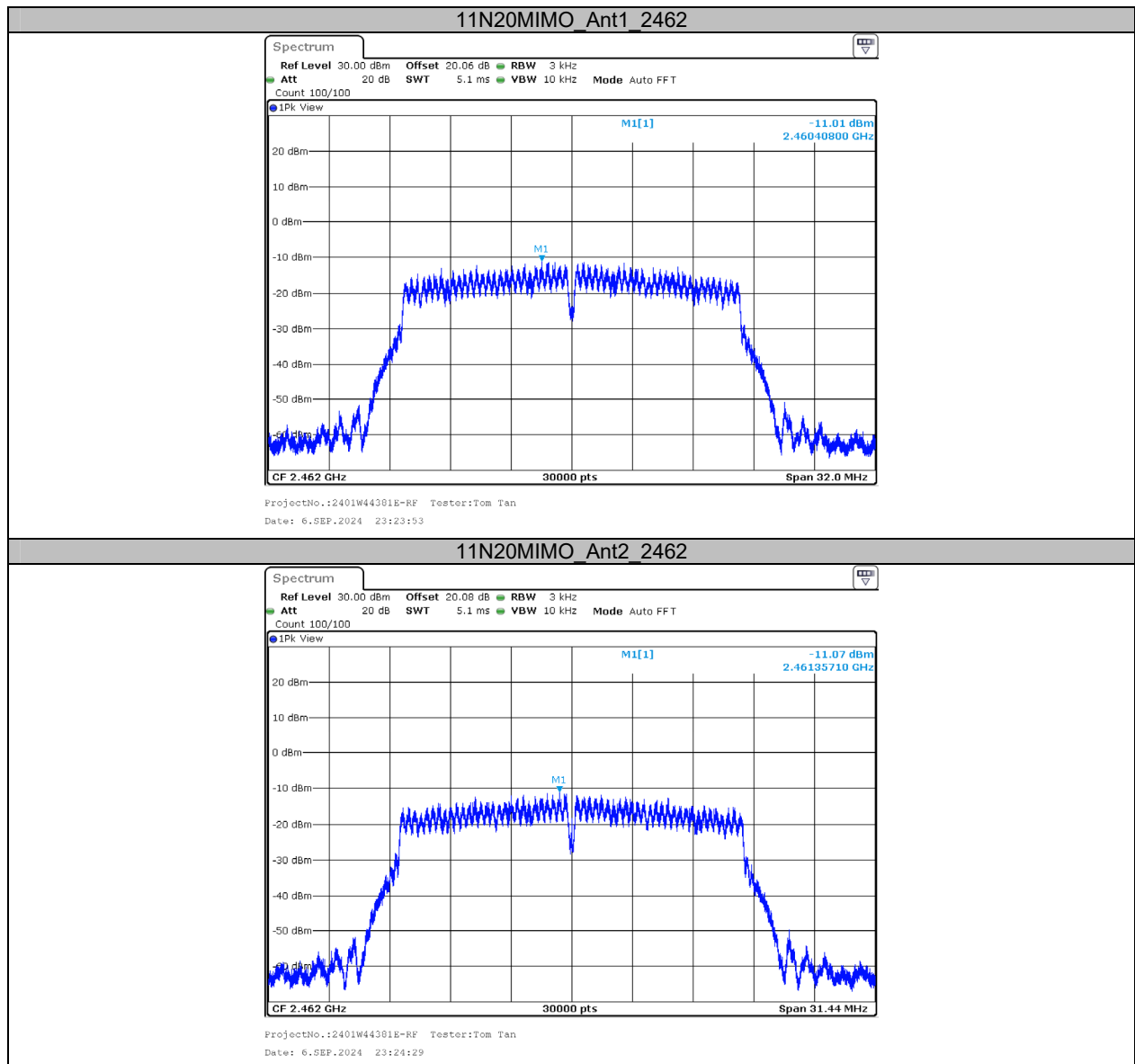


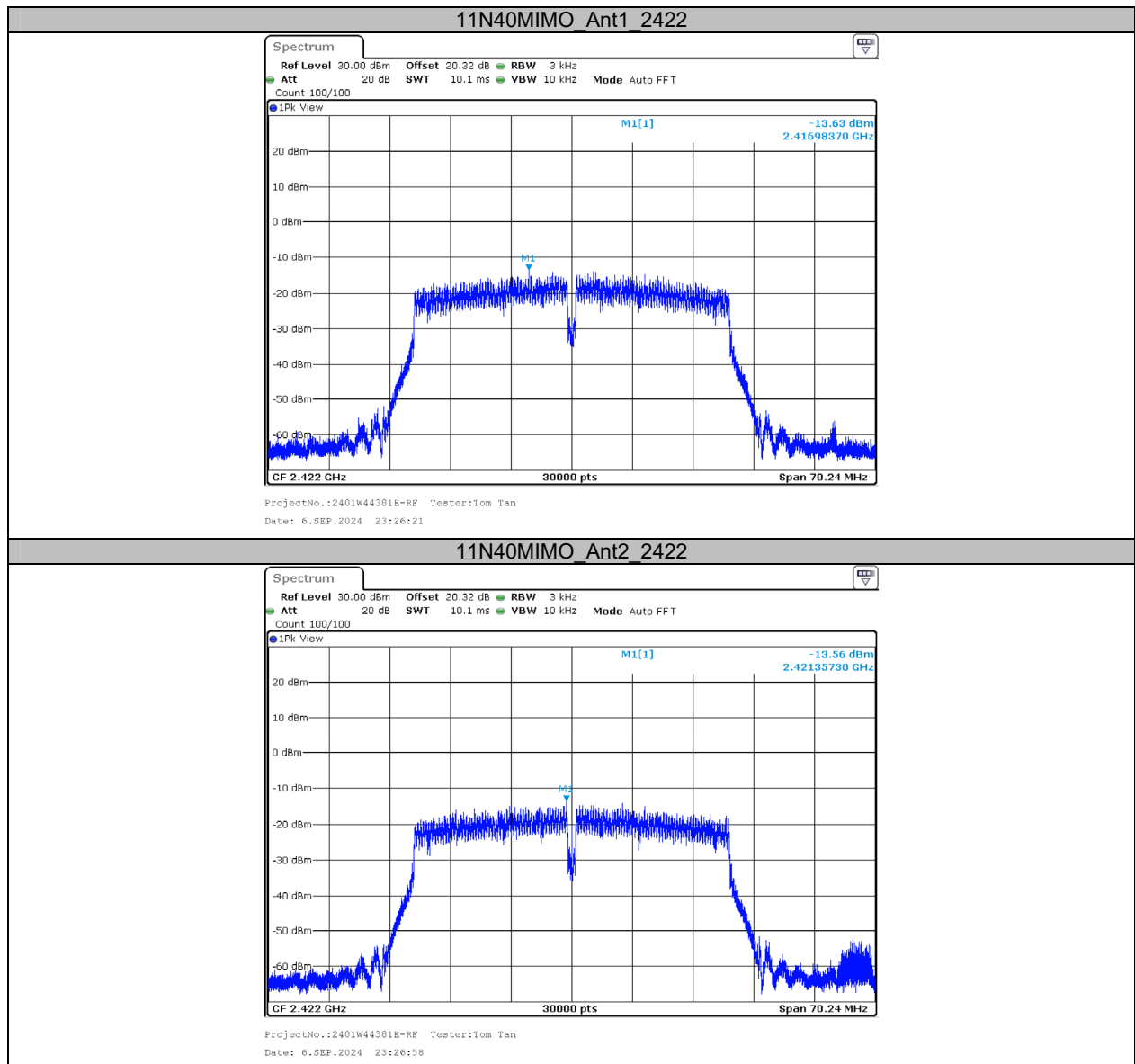


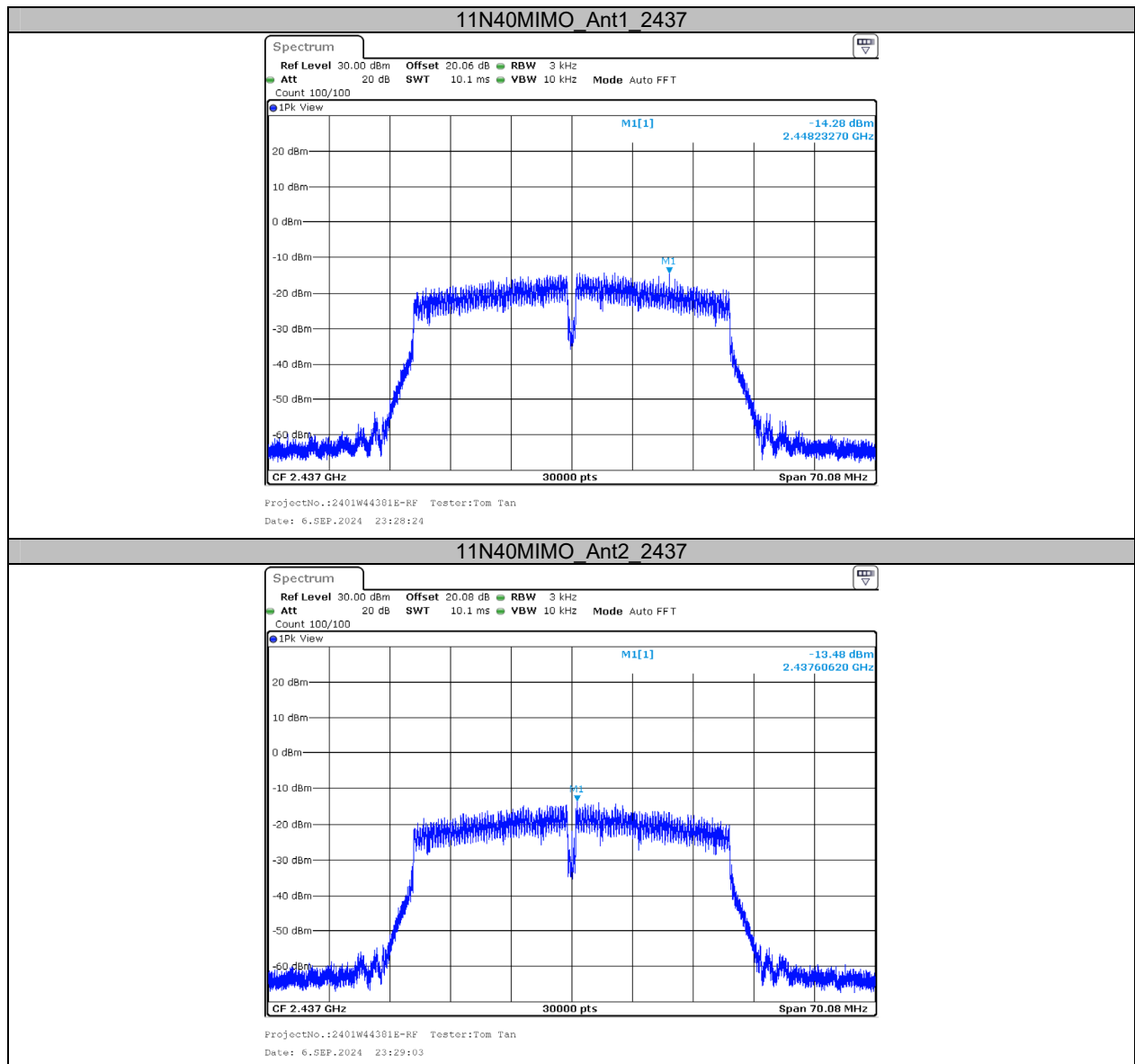


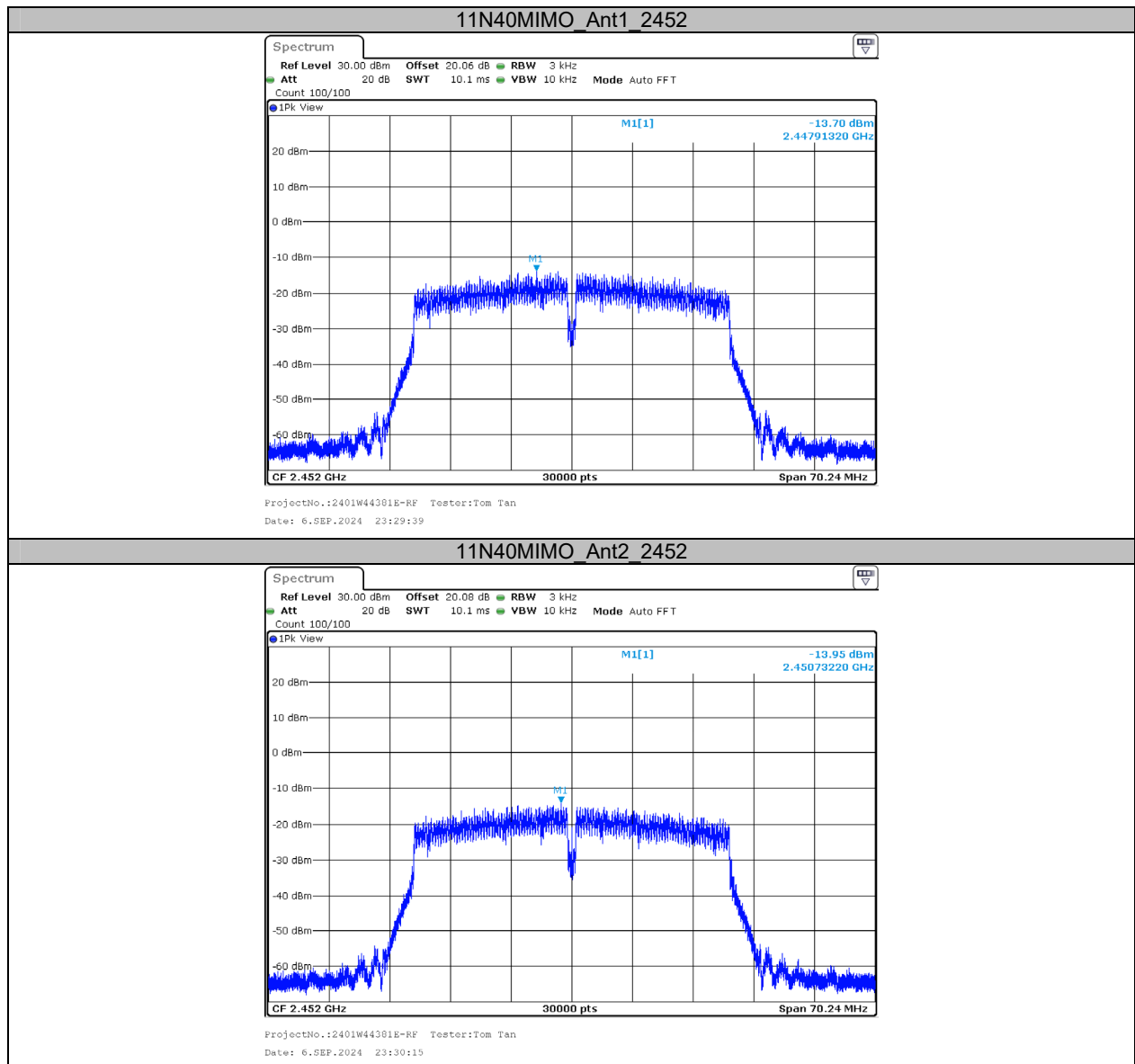






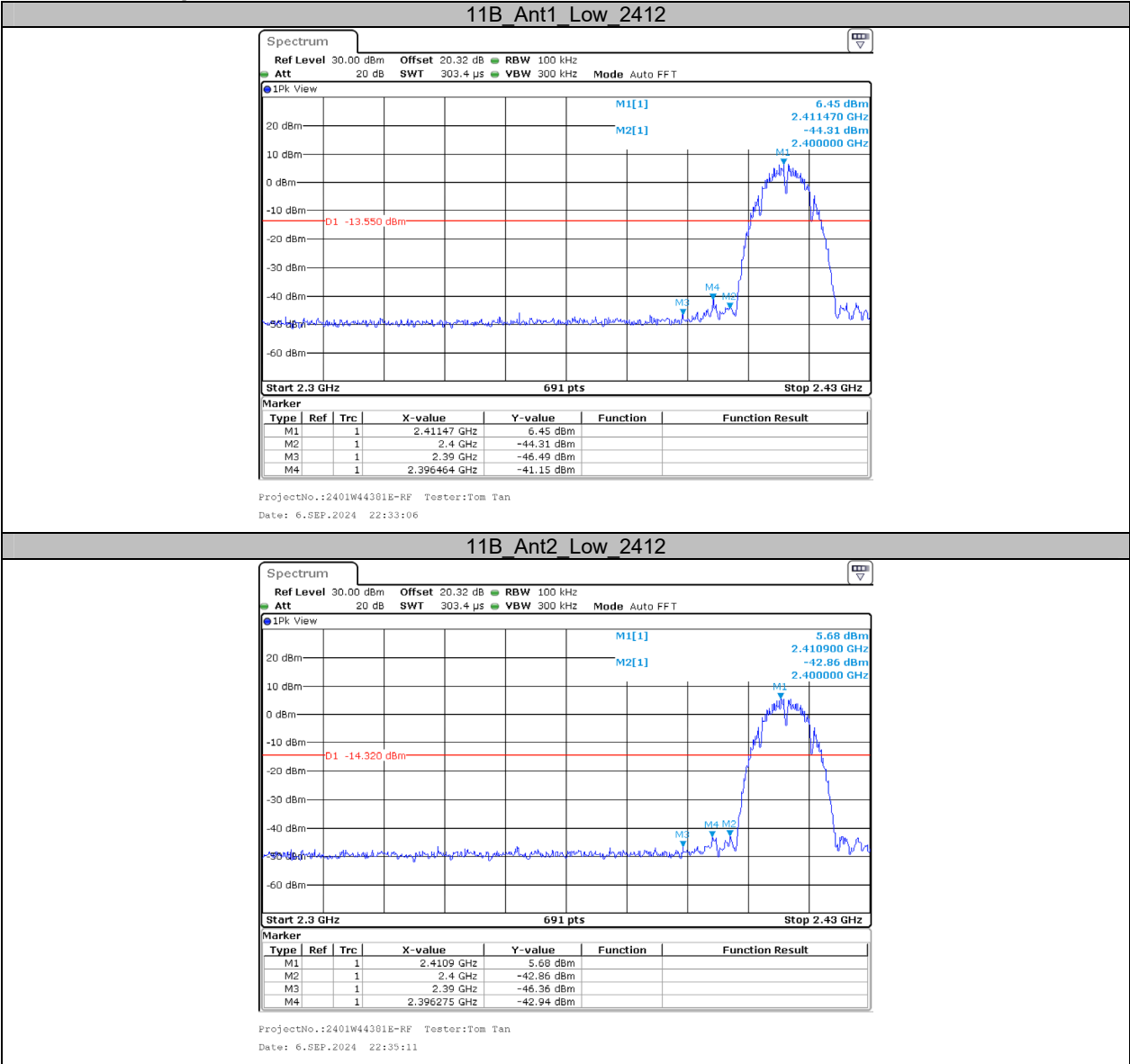


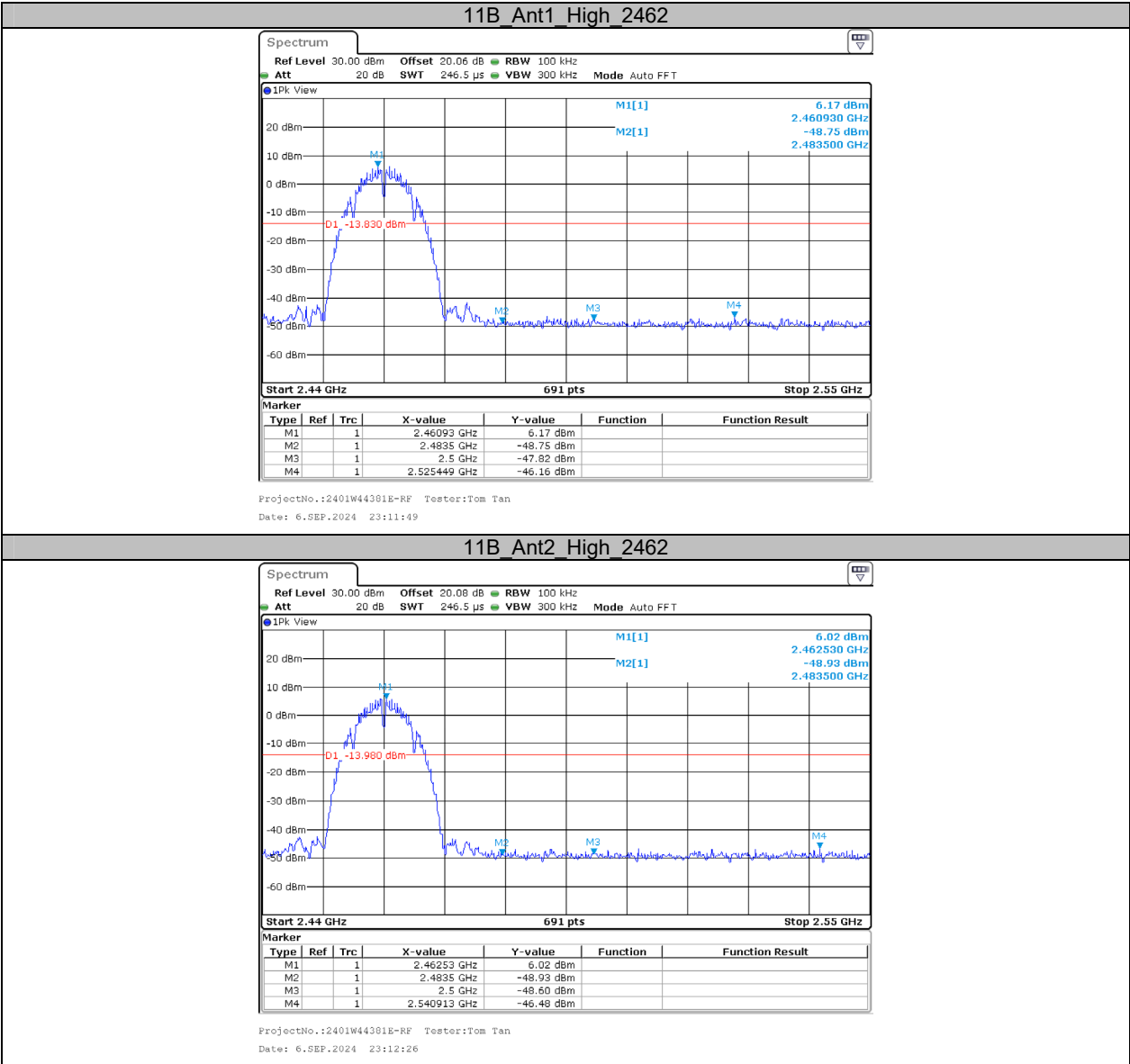


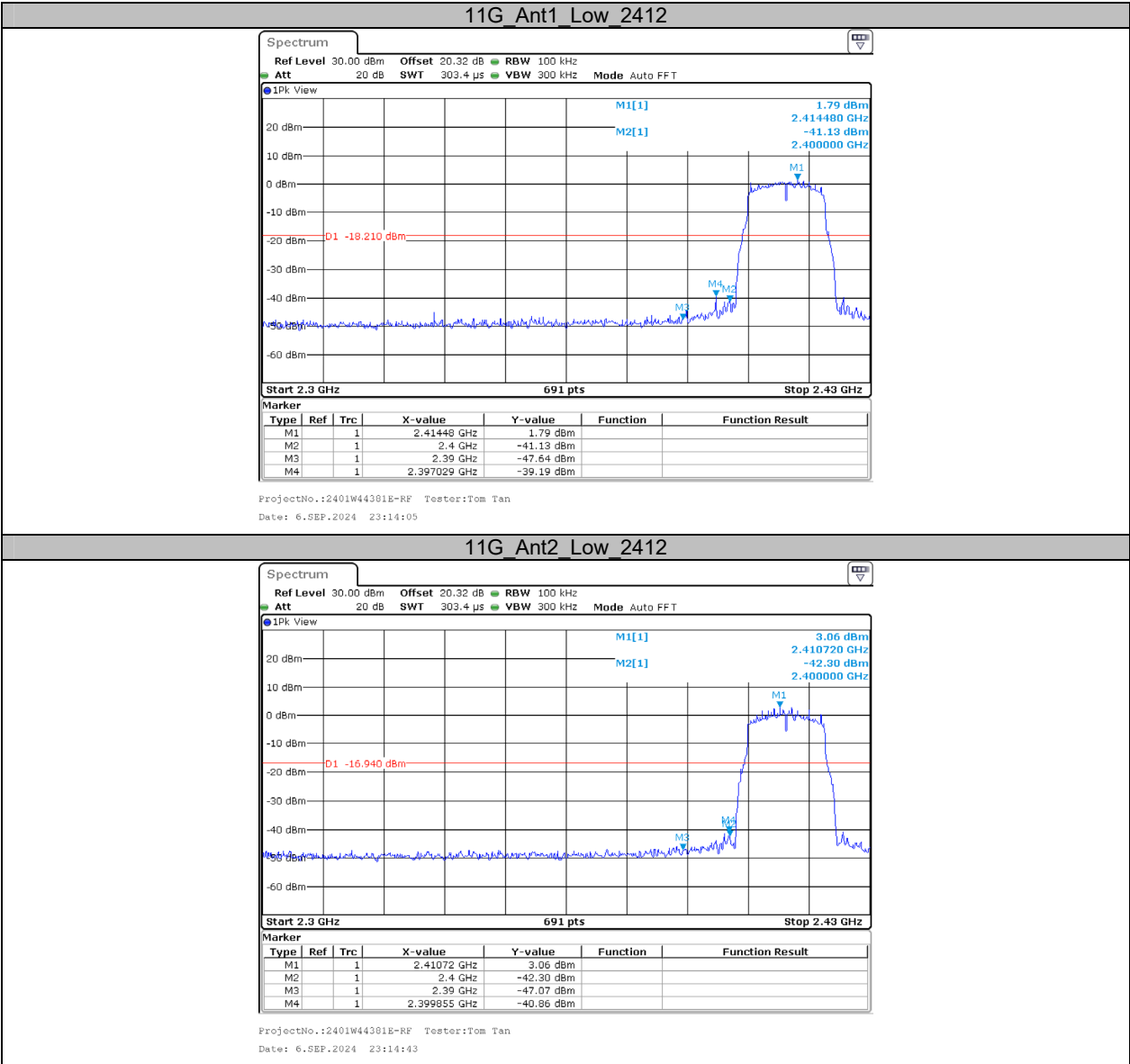


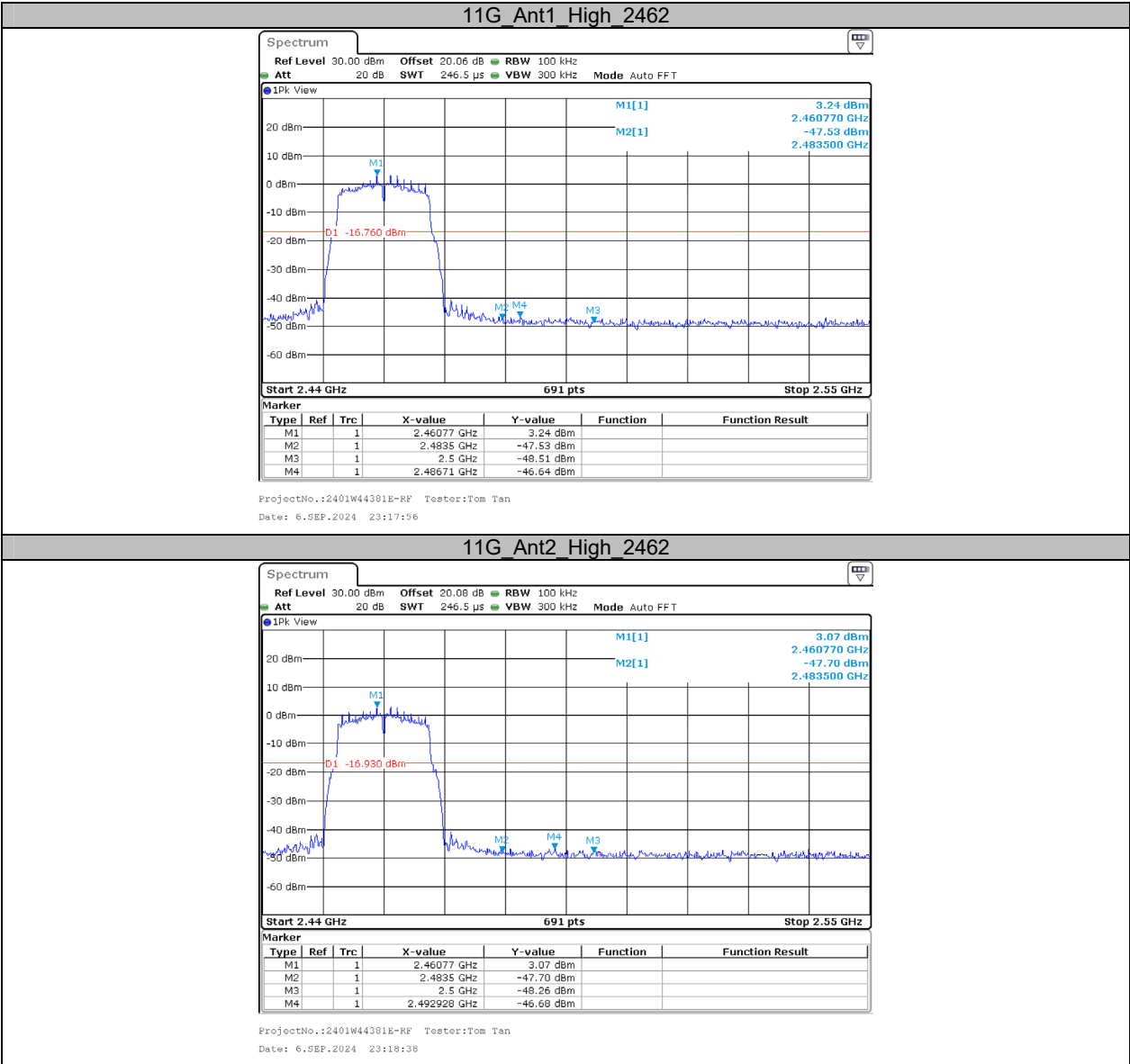
Appendix E: Band edge measurements

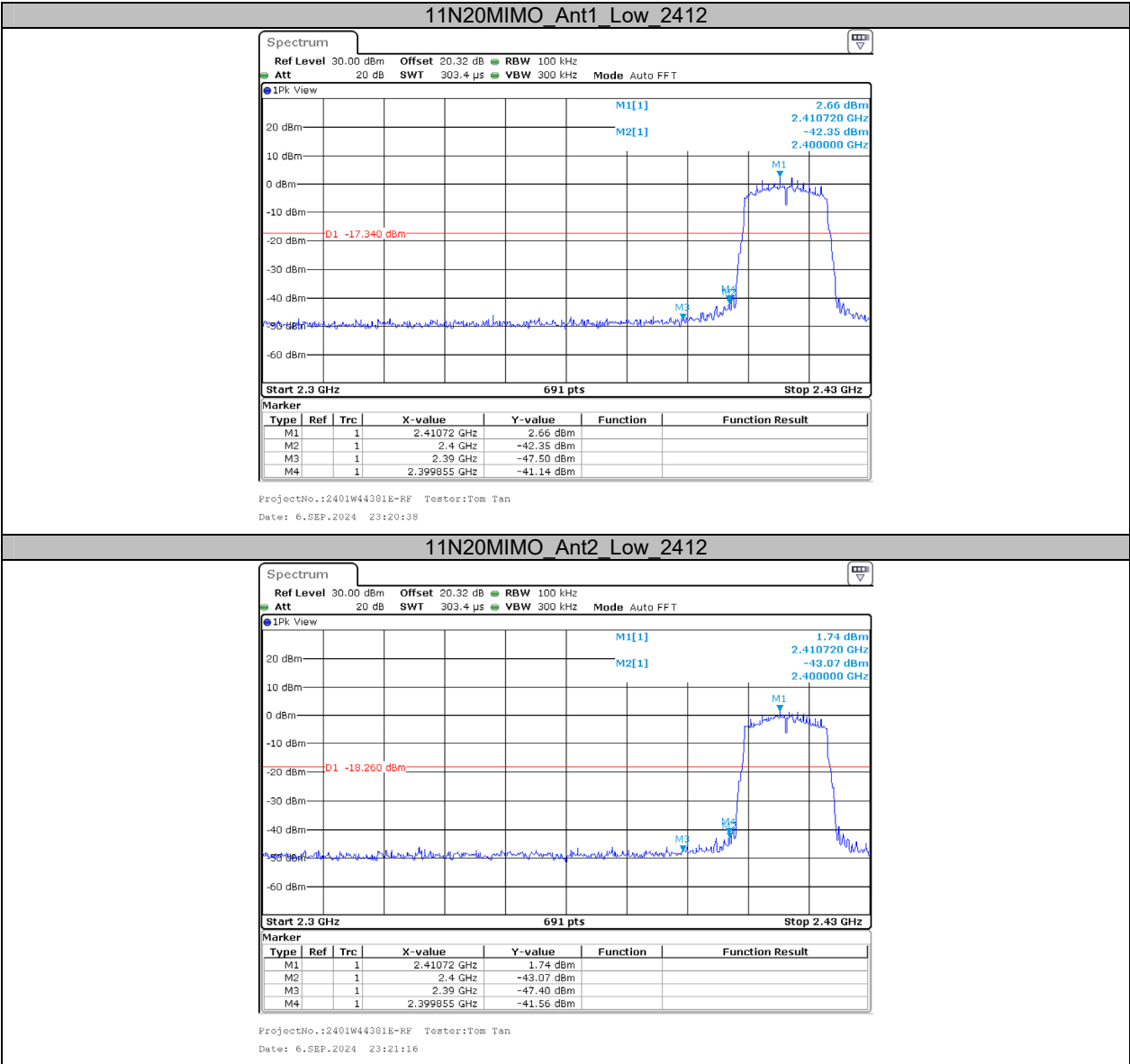
Test Graphs

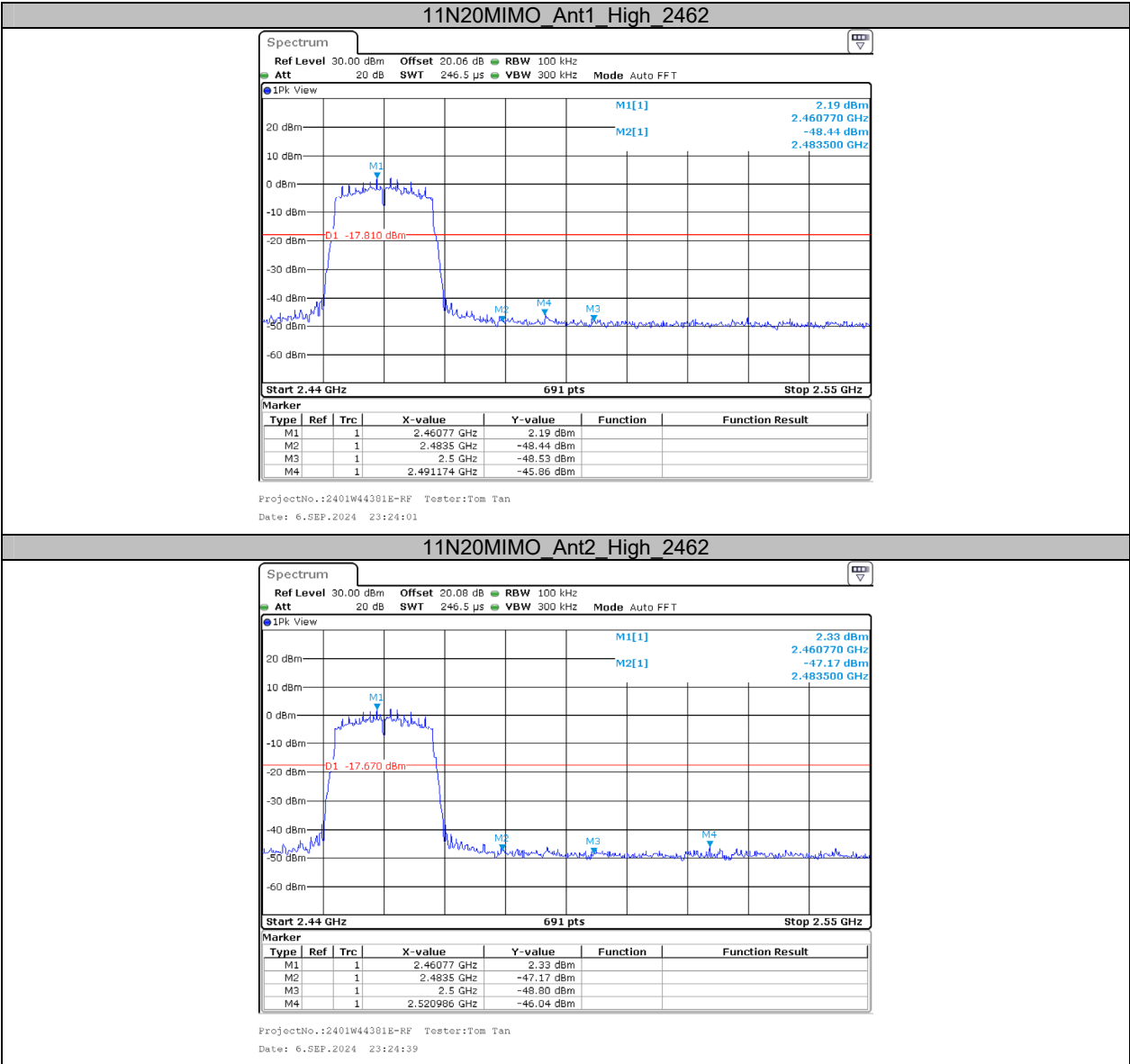


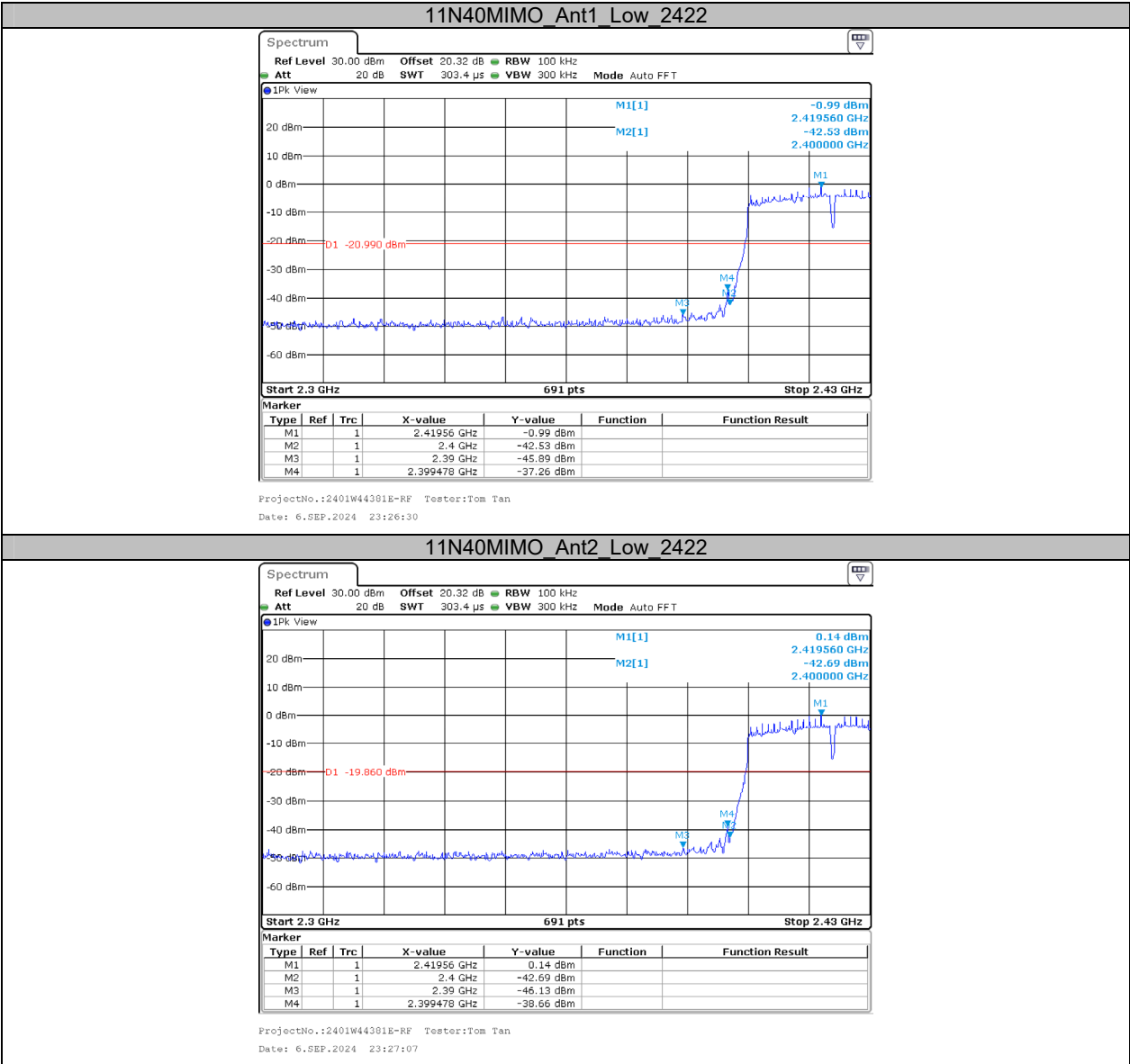


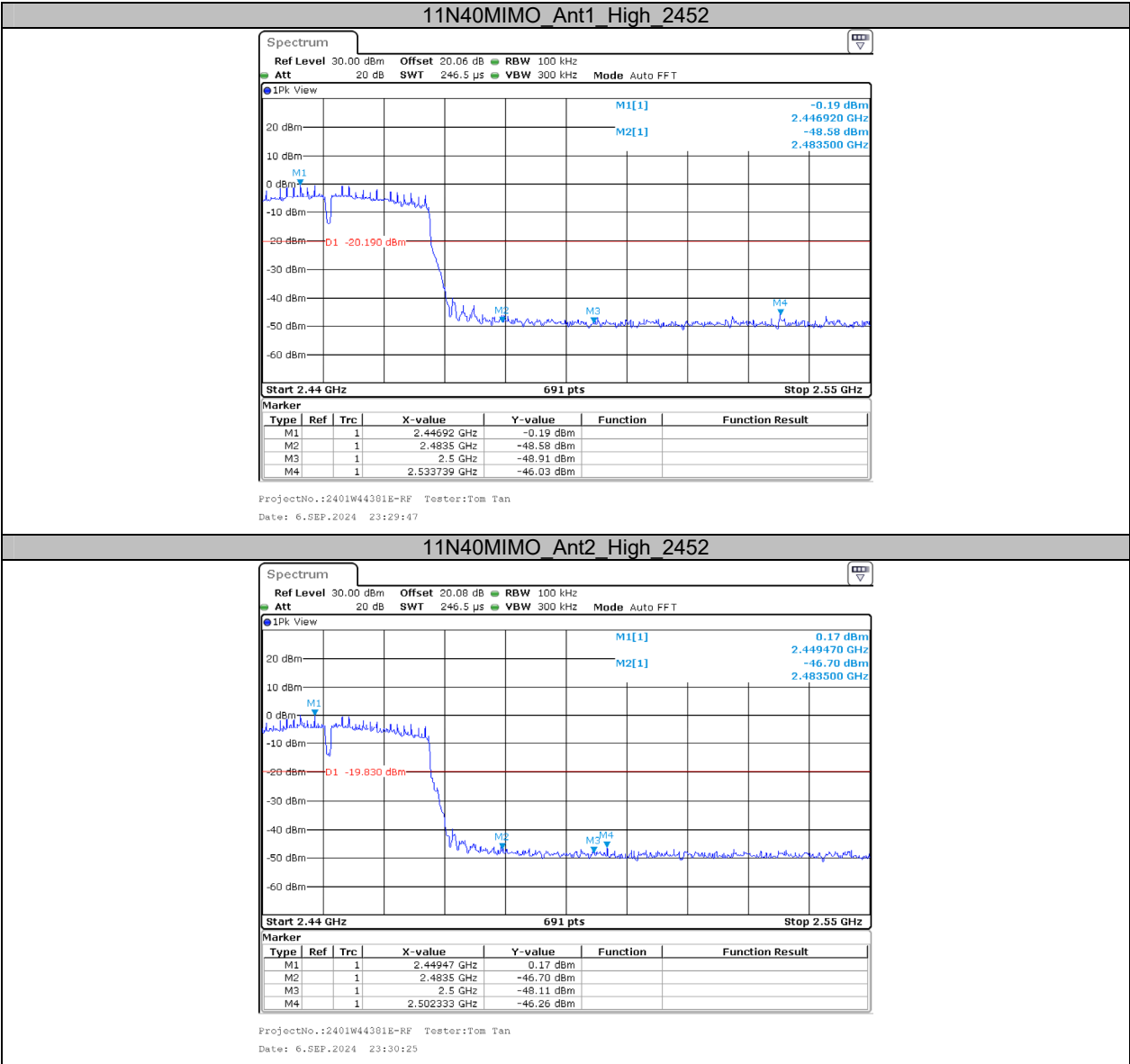












Appendix F: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T [Hz]	VBW Setting [kHz]
11B	Ant1	2437	8.39	8.44	99.41	-	0.01
	Ant2	2437	8.38	8.43	99.41	-	0.01
11G	Ant1	2437	1.38	1.43	96.50	725	1
	Ant2	2437	1.39	1.43	97.20	719	1
11N20MIMO	Ant1	2437	1.30	1.34	97.01	769	1
	Ant2	2437	1.29	1.34	96.27	775	1
11N40MIMO	Ant1	2437	0.65	0.70	92.86	1538	2
	Ant2	2437	0.64	0.69	92.75	1563	2

Test Graphs

