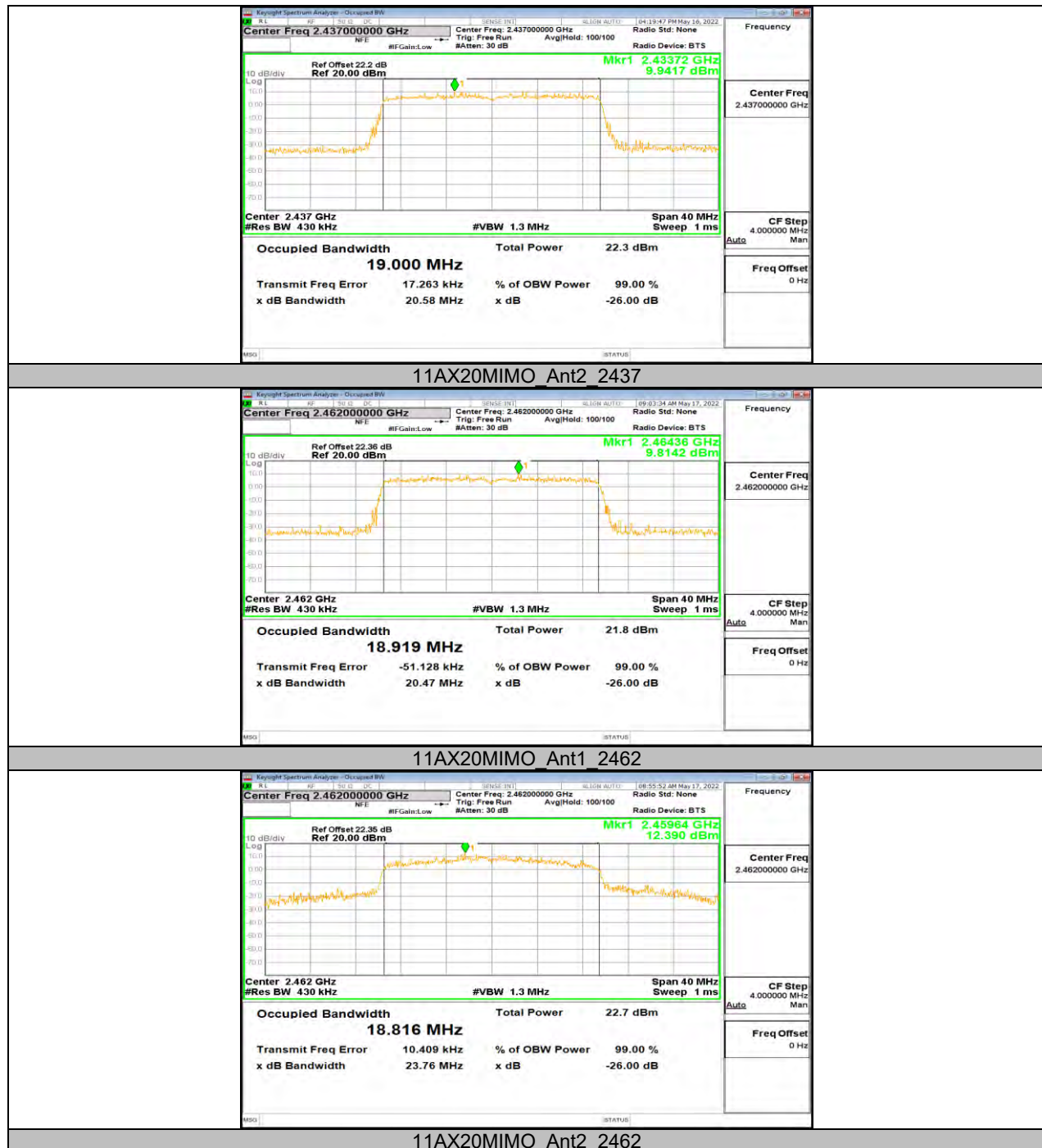














**11.3. APPENDIX C: MAXIMUM AVG CONDUCTED OUTPUT POWER****11.3.1. Test Result**

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.81	≤30.00	PASS
	Ant2	2412	15.63	≤30.00	PASS
	Ant1	2437	15.85	≤30.00	PASS
	Ant2	2437	15.56	≤30.00	PASS
	Ant1	2462	15.87	≤30.00	PASS
	Ant2	2462	15.58	≤30.00	PASS
11G	Ant1	2412	15.66	≤30.00	PASS
	Ant2	2412	15.35	≤30.00	PASS
	Ant1	2437	16.14	≤30.00	PASS
	Ant2	2437	16.37	≤30.00	PASS
	Ant1	2462	15.14	≤30.00	PASS
	Ant2	2462	15.39	≤30.00	PASS
11N20MIMO	Ant1	2412	15.97	≤30.00	PASS
	Ant2	2412	16.43	≤30.00	PASS
	total	2412	19.22	≤30.00	PASS
	Ant1	2437	15.54	≤30.00	PASS
	Ant2	2437	16.06	≤30.00	PASS
	total	2437	18.82	≤30.00	PASS
	Ant1	2462	15.79	≤30.00	PASS
	Ant2	2462	15.47	≤30.00	PASS
11N40MIMO	Ant1	2422	13.49	≤30.00	PASS
	Ant2	2422	12.98	≤30.00	PASS
	total	2422	16.25	≤30.00	PASS
	Ant1	2437	13.78	≤30.00	PASS
	Ant2	2437	13.44	≤30.00	PASS
	total	2437	16.62	≤30.00	PASS
	Ant1	2452	13.40	≤30.00	PASS
	Ant2	2452	13.19	≤30.00	PASS
11AX20MIMO	Ant1	2412	15.52	≤30.00	PASS
	Ant2	2412	15.06	≤30.00	PASS
	total	2412	18.31	≤30.00	PASS
	Ant1	2437	15.04	≤30.00	PASS
	Ant2	2437	15.95	≤30.00	PASS
	total	2437	18.53	≤30.00	PASS
	Ant1	2462	15.54	≤30.00	PASS
	Ant2	2462	15.89	≤30.00	PASS
11AX40MIMO	Ant1	2422	16.13	≤30.00	PASS
	Ant2	2422	16.29	≤30.00	PASS
	total	2422	19.22	≤30.00	PASS
	Ant1	2437	15.63	≤30.00	PASS
	Ant2	2437	16.49	≤30.00	PASS
	total	2437	19.09	≤30.00	PASS
	Ant1	2452	15.45	≤30.00	PASS
	Ant2	2452	15.22	≤30.00	PASS
	total	2452	18.35	≤30.00	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor

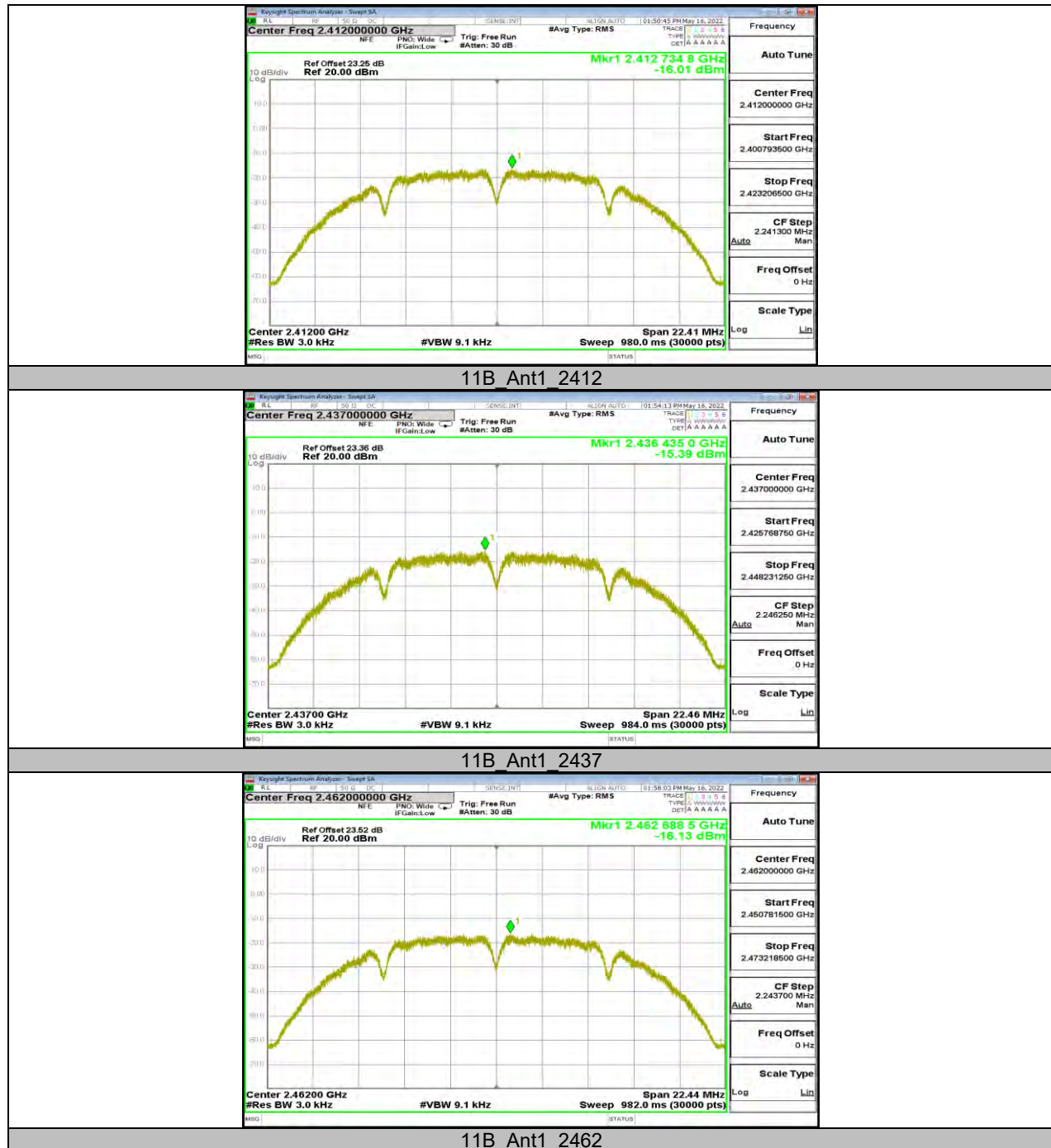
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

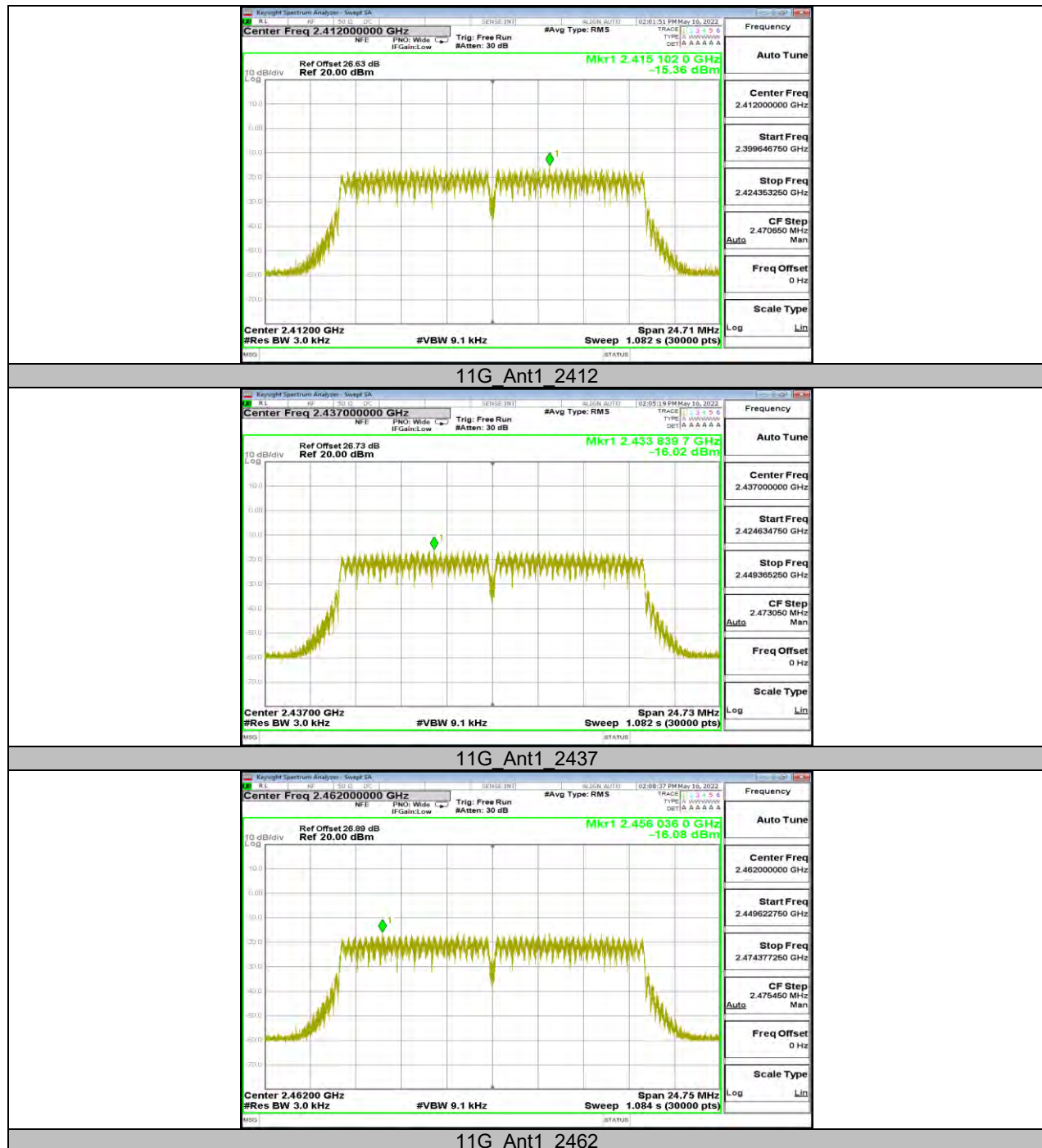
**11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY****11.4.1. Test Result**

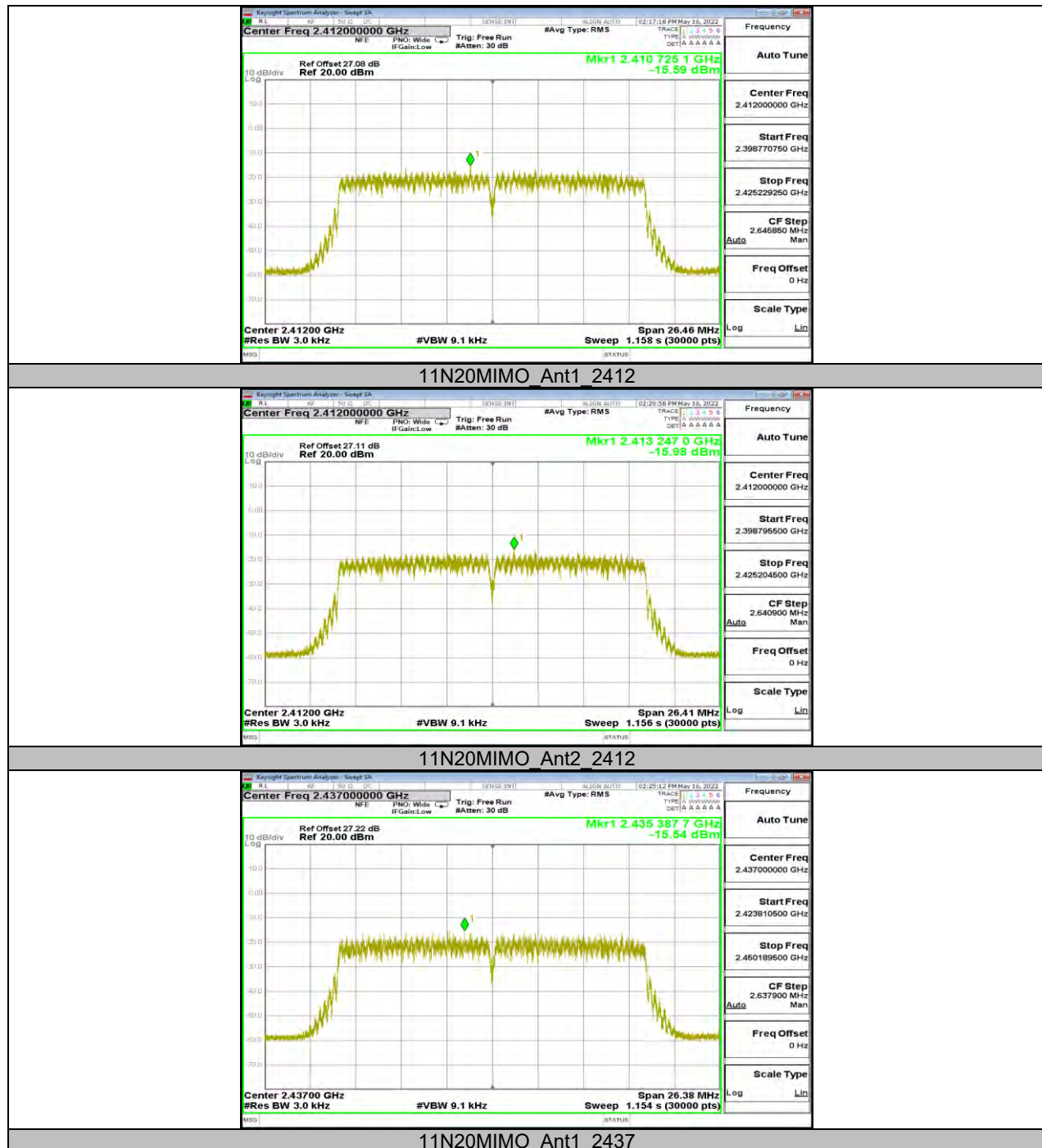
Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-16.01	≤8.00	PASS
		2437	-15.39	≤8.00	PASS
		2462	-16.13	≤8.00	PASS
11G	Ant1	2412	-15.36	≤8.00	PASS
		2437	-16.02	≤8.00	PASS
		2462	-16.08	≤8.00	PASS
11N20MIMO	Ant1	2412	-15.59	≤8.00	PASS
	Ant2	2412	-15.98	≤8.00	PASS
	total	2412	-12.77	≤8.00	PASS
	Ant1	2437	-15.54	≤8.00	PASS
	Ant2	2437	-15.57	≤8.00	PASS
	total	2437	-12.55	≤8.00	PASS
	Ant1	2462	-16.44	≤8.00	PASS
	Ant2	2462	-15.96	≤8.00	PASS
	total	2462	-13.18	≤8.00	PASS
11N40MIMO	Ant1	2422	-20.12	≤8.00	PASS
	Ant2	2422	-17.55	≤8.00	PASS
	total	2422	-15.64	≤8.00	PASS
	Ant1	2437	-16.79	≤8.00	PASS
	Ant2	2437	-18.13	≤8.00	PASS
	total	2437	-14.40	≤8.00	PASS
	Ant1	2452	-16.89	≤8.00	PASS
	Ant2	2452	-18.15	≤8.00	PASS
	total	2452	-14.46	≤8.00	PASS
11AX20MIMO	Ant1	2412	-13.98	≤8.00	PASS
	Ant2	2412	-13.86	≤8.00	PASS
	total	2412	-10.91	≤8.00	PASS
	Ant1	2437	-15.82	≤8.00	PASS
	Ant2	2437	-15.39	≤8.00	PASS
	total	2437	-12.59	≤8.00	PASS
	Ant1	2462	-16.12	≤8.00	PASS
11AX40MIMO	Ant2	2462	-15.61	≤8.00	PASS
	total	2462	-12.85	≤8.00	PASS
	Ant1	2422	-15.70	≤8.00	PASS
	Ant2	2422	-16.63	≤8.00	PASS
	total	2422	-13.14	≤8.00	PASS
	Ant1	2437	-17.72	≤8.00	PASS
	Ant2	2437	-16.43	≤8.00	PASS
	total	2437	-14.02	≤8.00	PASS
	Ant1	2452	-17.53	≤8.00	PASS
	Ant2	2452	-18.00	≤8.00	PASS
	total	2452	-14.75	≤8.00	PASS

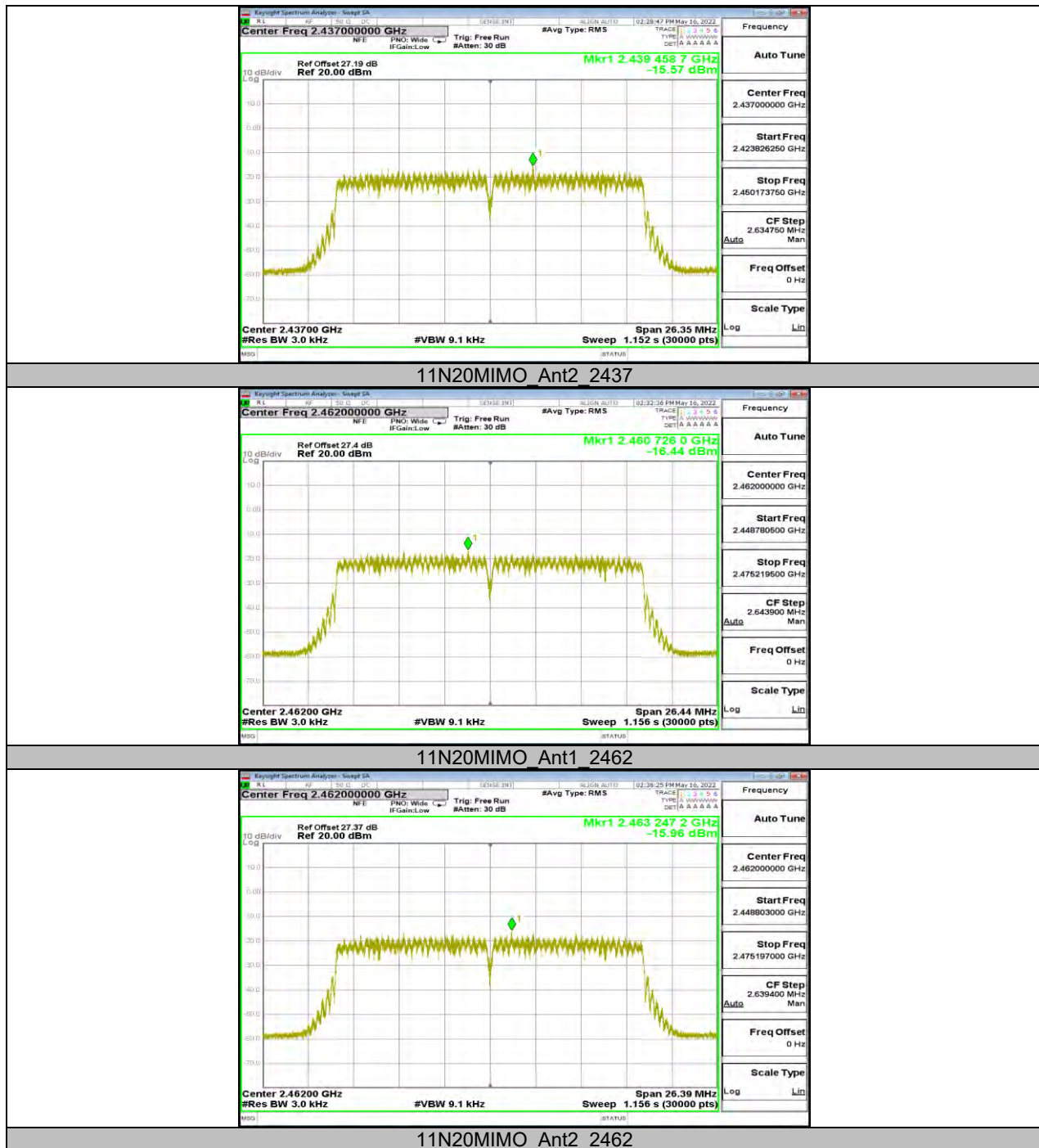
Note: For 802.11 b&g mode, only the worst case data recorded in this report.

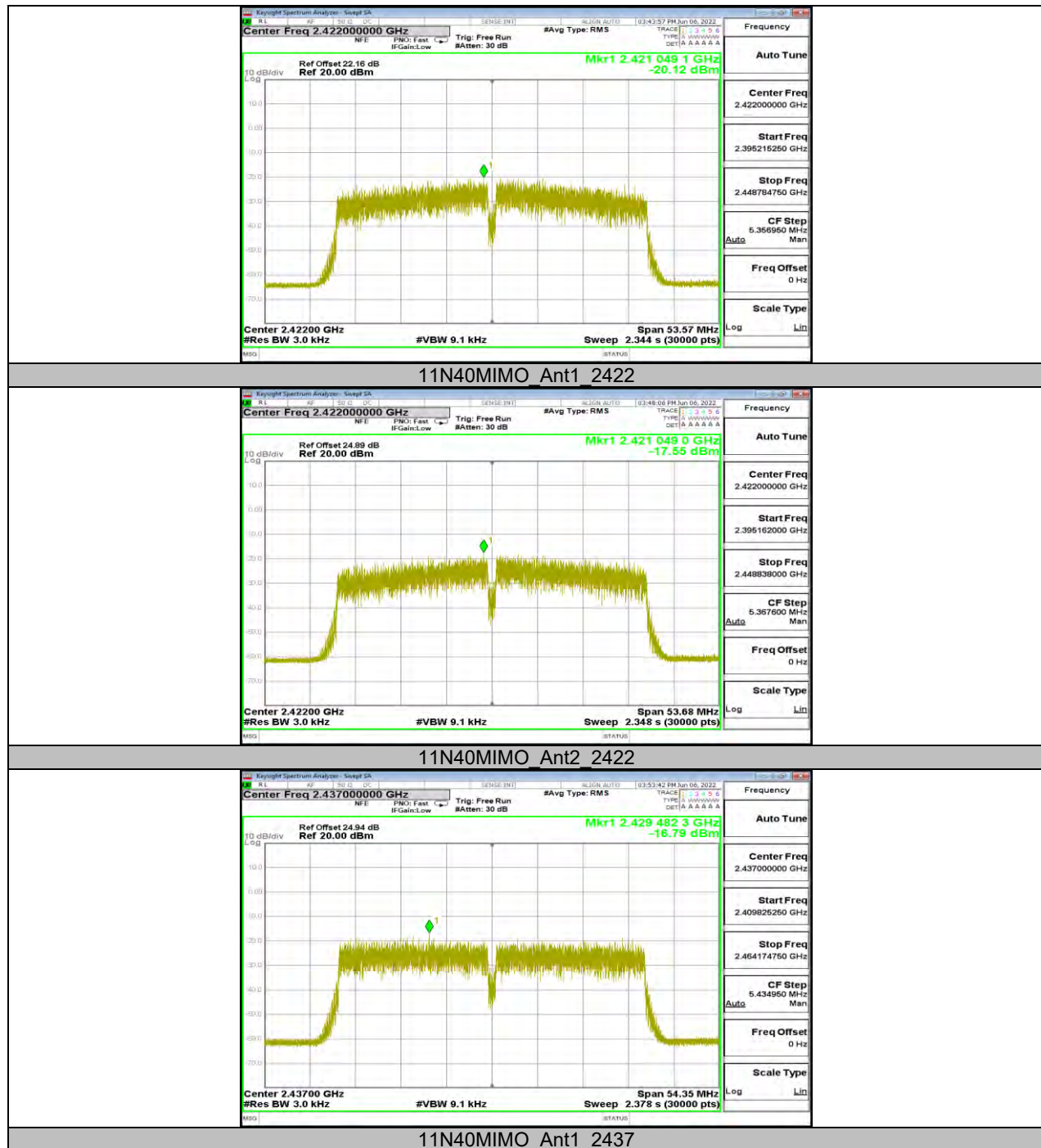
11.4.2. Test Graphs

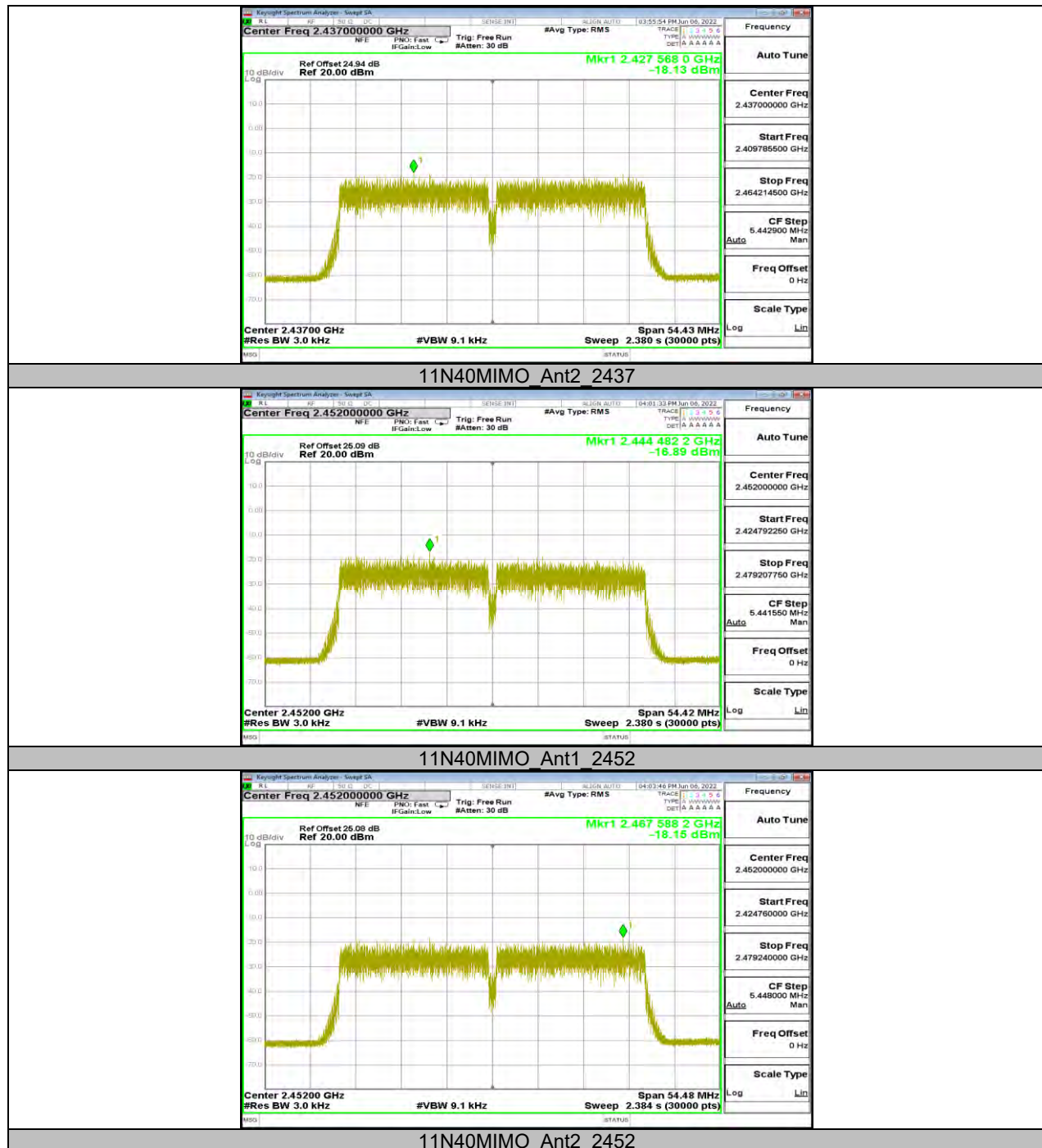


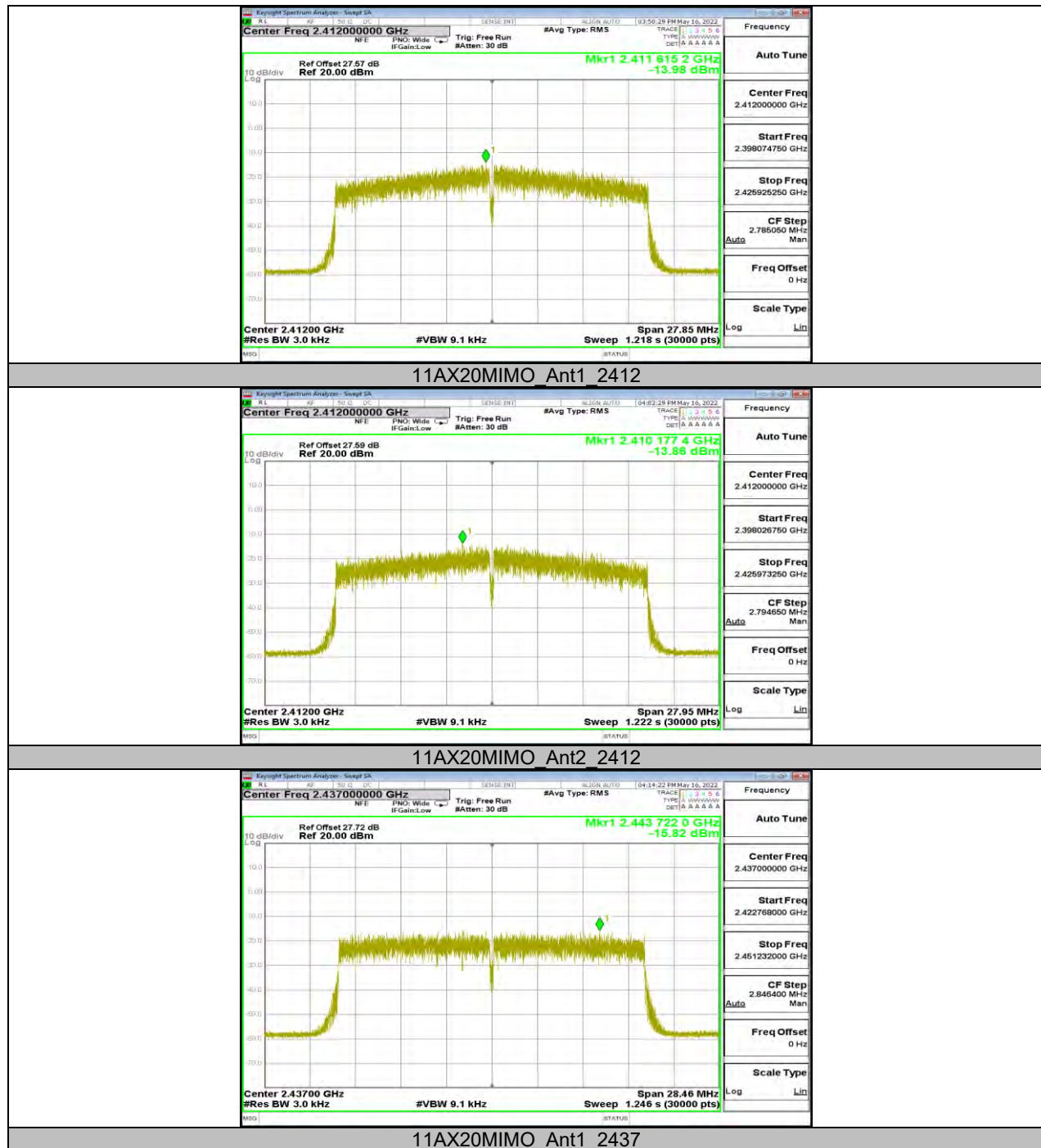


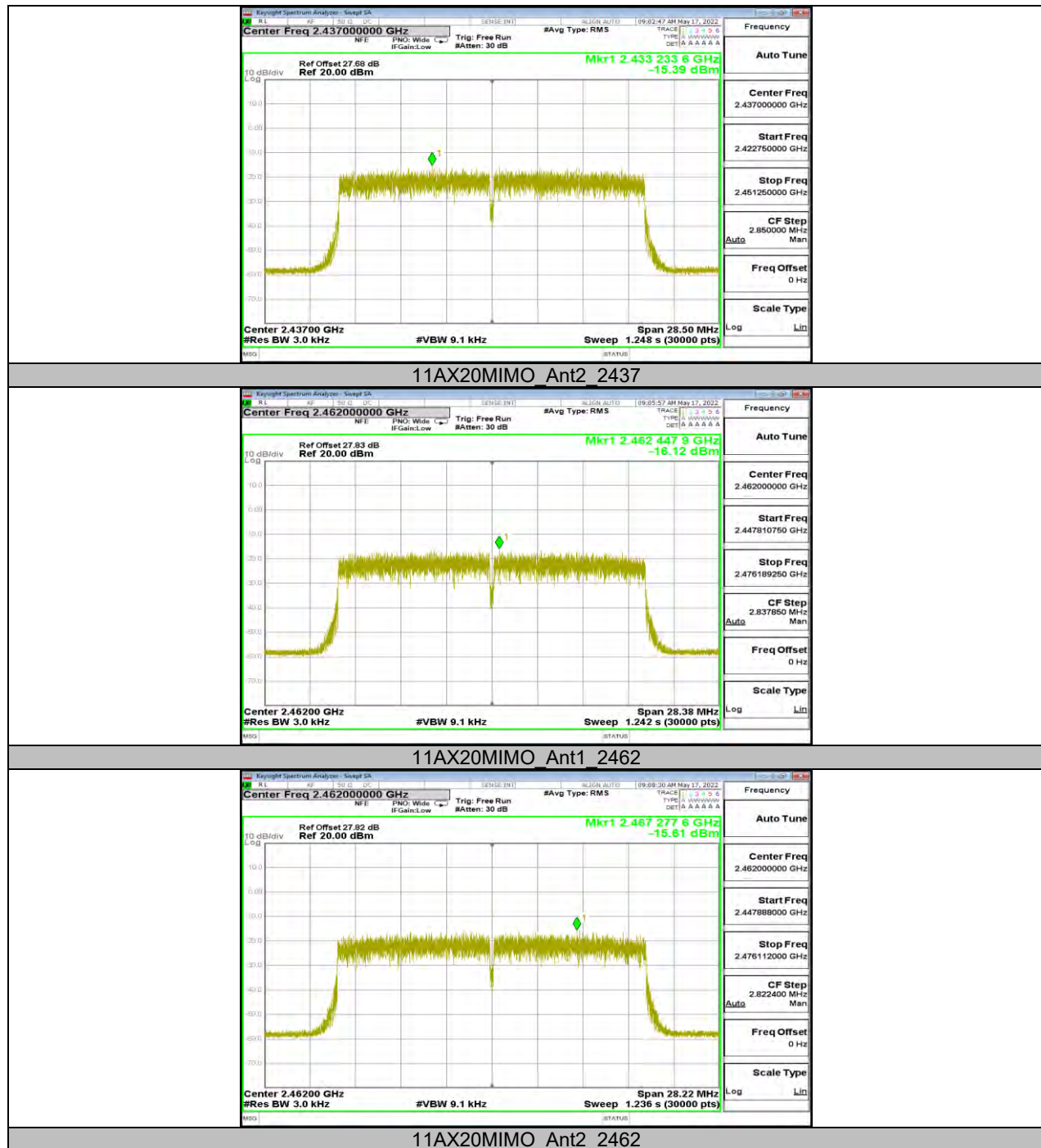


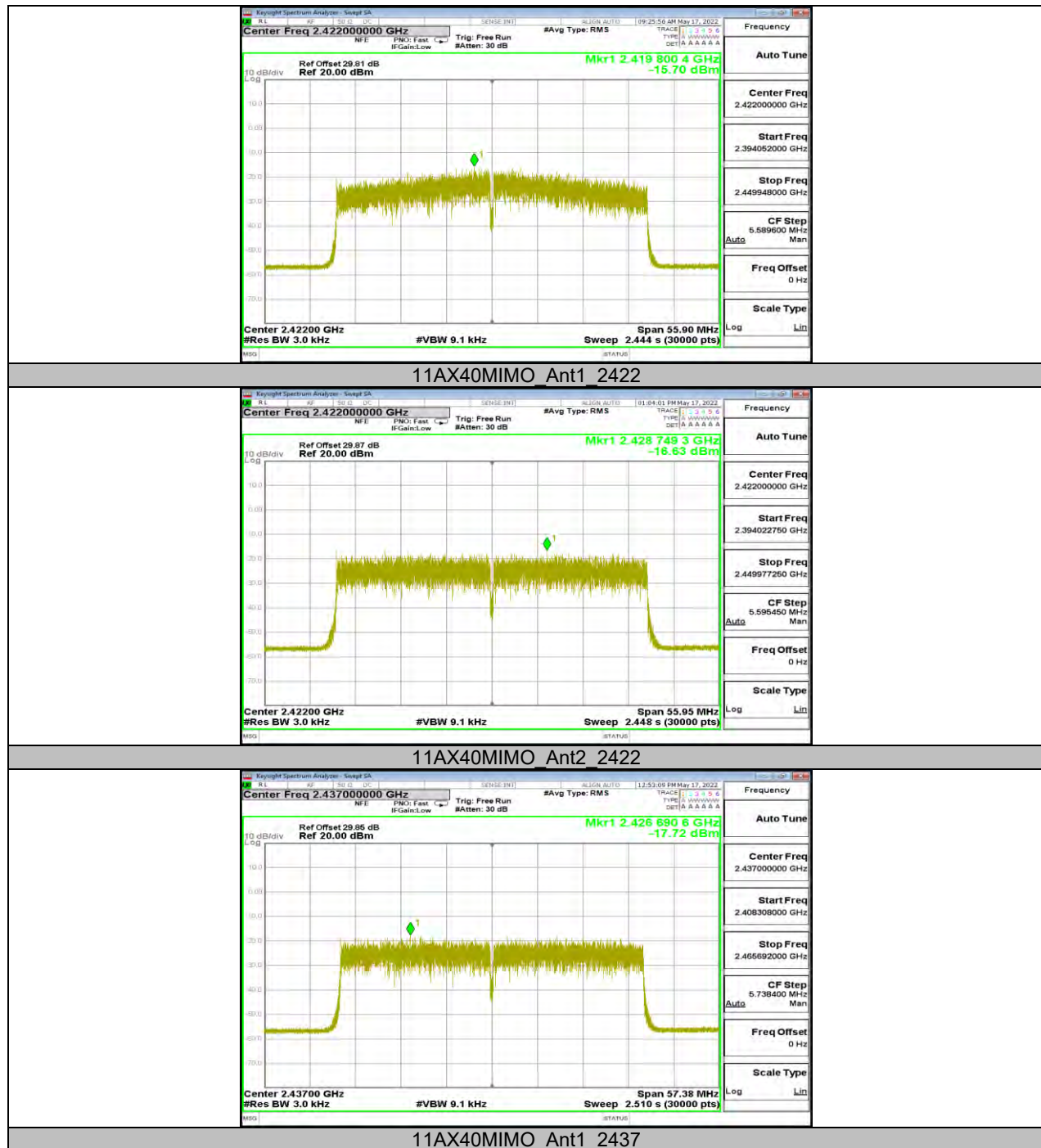


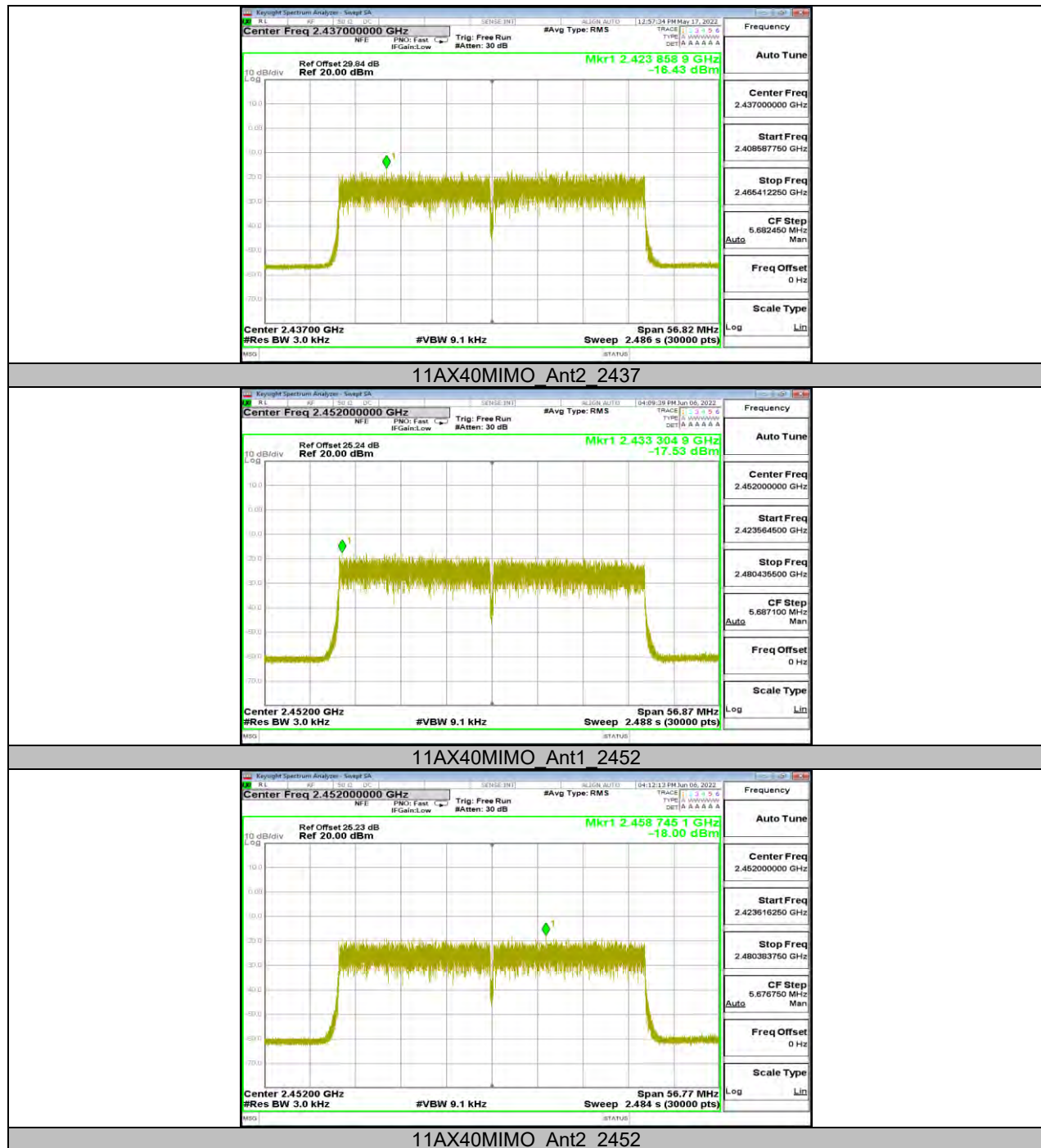














11.5. APPENDIX E: BAND EDGE MEASUREMENTS

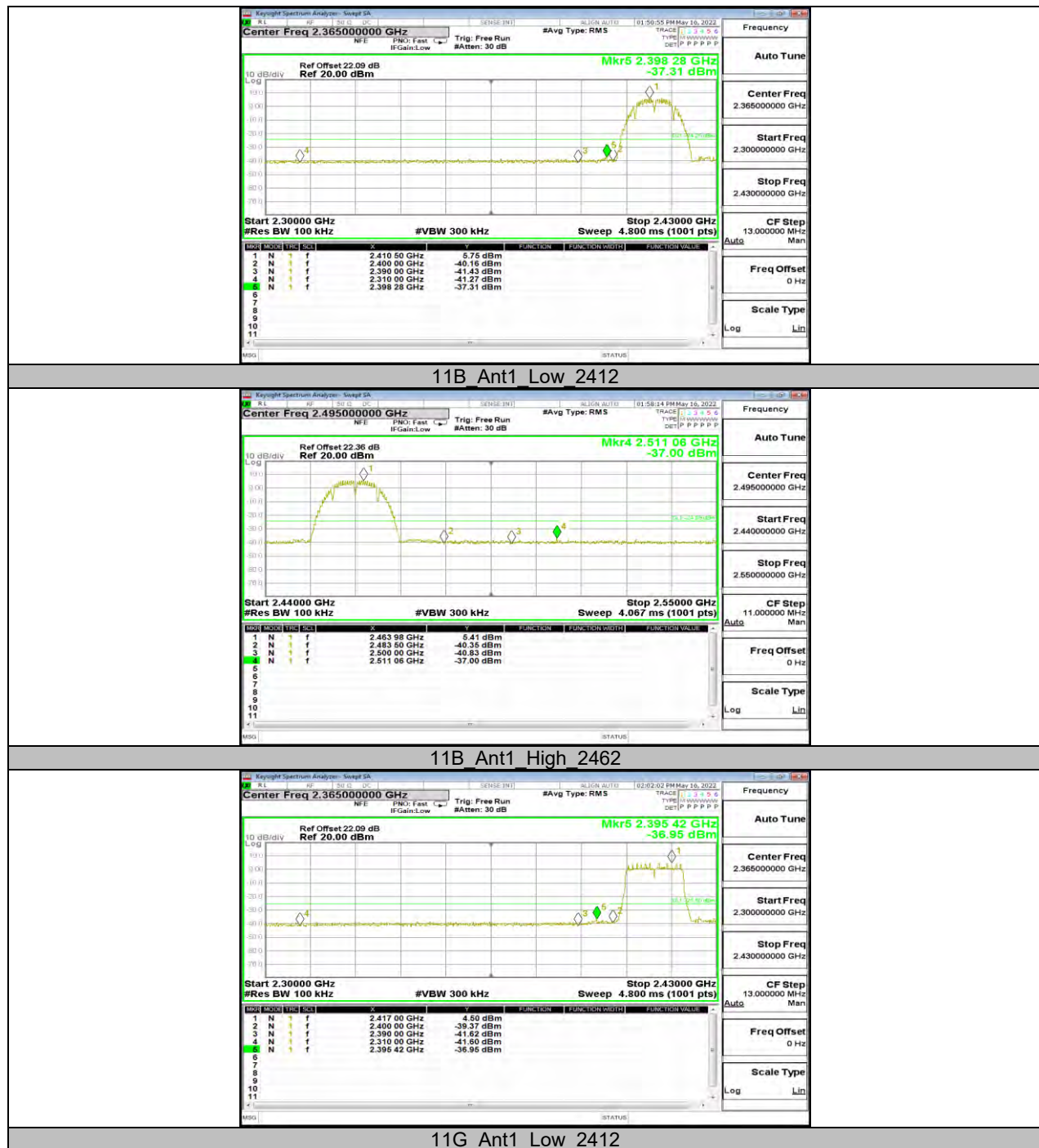
11.5.1. Test Result

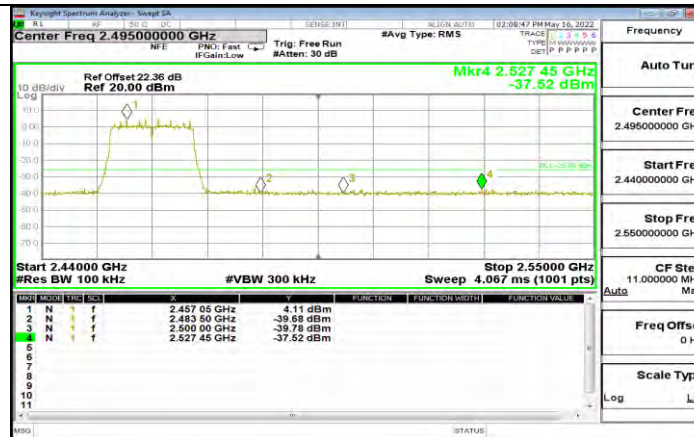
Test Mode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	5.75	-37.31	≤ -24.25	PASS
		High	2462	5.41	-37	≤ -24.59	PASS
11G	Ant1	Low	2412	4.50	-36.95	≤ -25.5	PASS
		High	2462	4.11	-37.52	≤ -25.89	PASS
11N20MIMO	Ant1	Low	2412	4.61	-36.24	≤ -25.39	PASS
	Ant2	Low	2412	4.16	-35.75	≤ -25.84	PASS
	Ant1	High	2462	4.40	-37.13	≤ -25.6	PASS
	Ant2	High	2462	4.30	-36.58	≤ -25.7	PASS
11N40MIMO	Ant1	Low	2422	3.29	-37.93	≤ -26.71	PASS
	Ant2	Low	2422	3.34	-36.97	≤ -26.66	PASS
	Ant1	High	2452	1.20	-35.87	≤ -28.8	PASS
	Ant2	High	2452	1.55	-36.35	≤ -28.45	PASS
11AX20MIMO	Ant1	Low	2412	6.05	-37.13	≤ -23.95	PASS
	Ant2	Low	2412	4.87	-38.38	≤ -25.14	PASS
	Ant1	High	2462	5.82	-37.77	≤ -24.18	PASS
	Ant2	High	2462	4.53	-37.64	≤ -25.47	PASS
11AX40MIMO	Ant1	Low	2422	2.80	-37.87	≤ -27.2	PASS
	Ant2	Low	2422	3.49	-38.25	≤ -26.51	PASS
	Ant1	High	2452	0.89	-36.49	≤ -29.11	PASS
	Ant2	High	2452	1.27	-35.31	≤ -28.73	PASS

Note: For 802.11 b&g mode, only the worst case data recorded in this report.

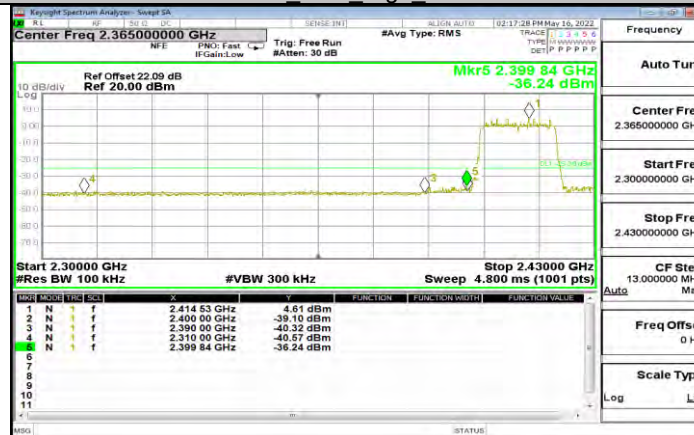


11.5.2. Test Graphs

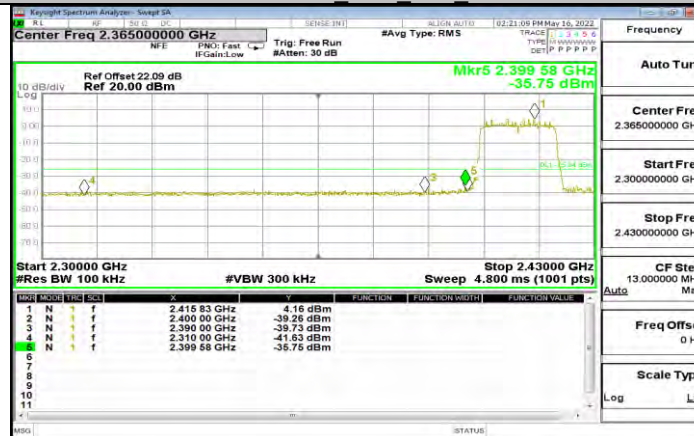




11G Ant1 High 2462



11N20MIMO Ant1 Low 2412



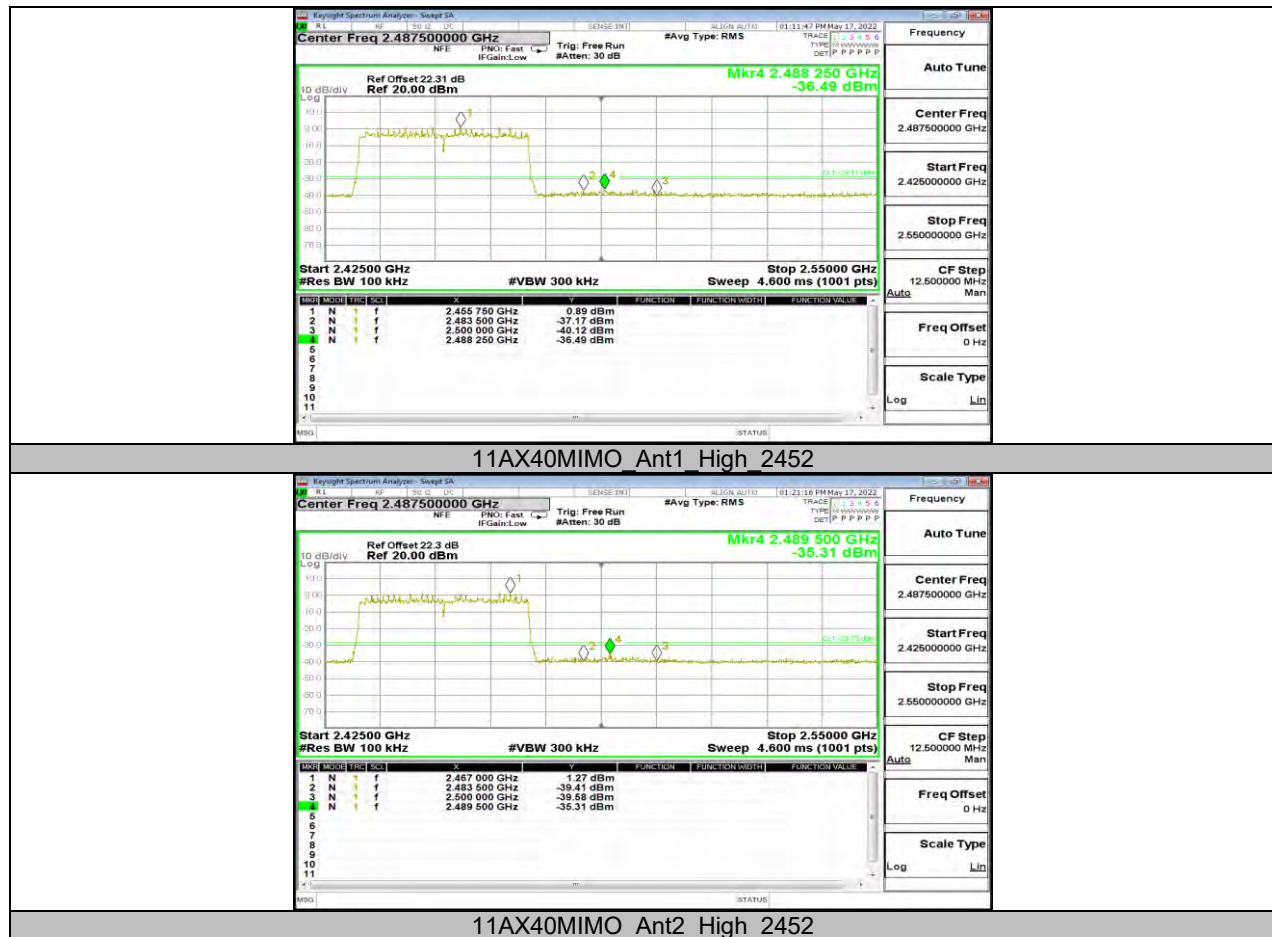
11N20MIMO Ant2 Low 2412











**11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION****11.6.1. Test Result**

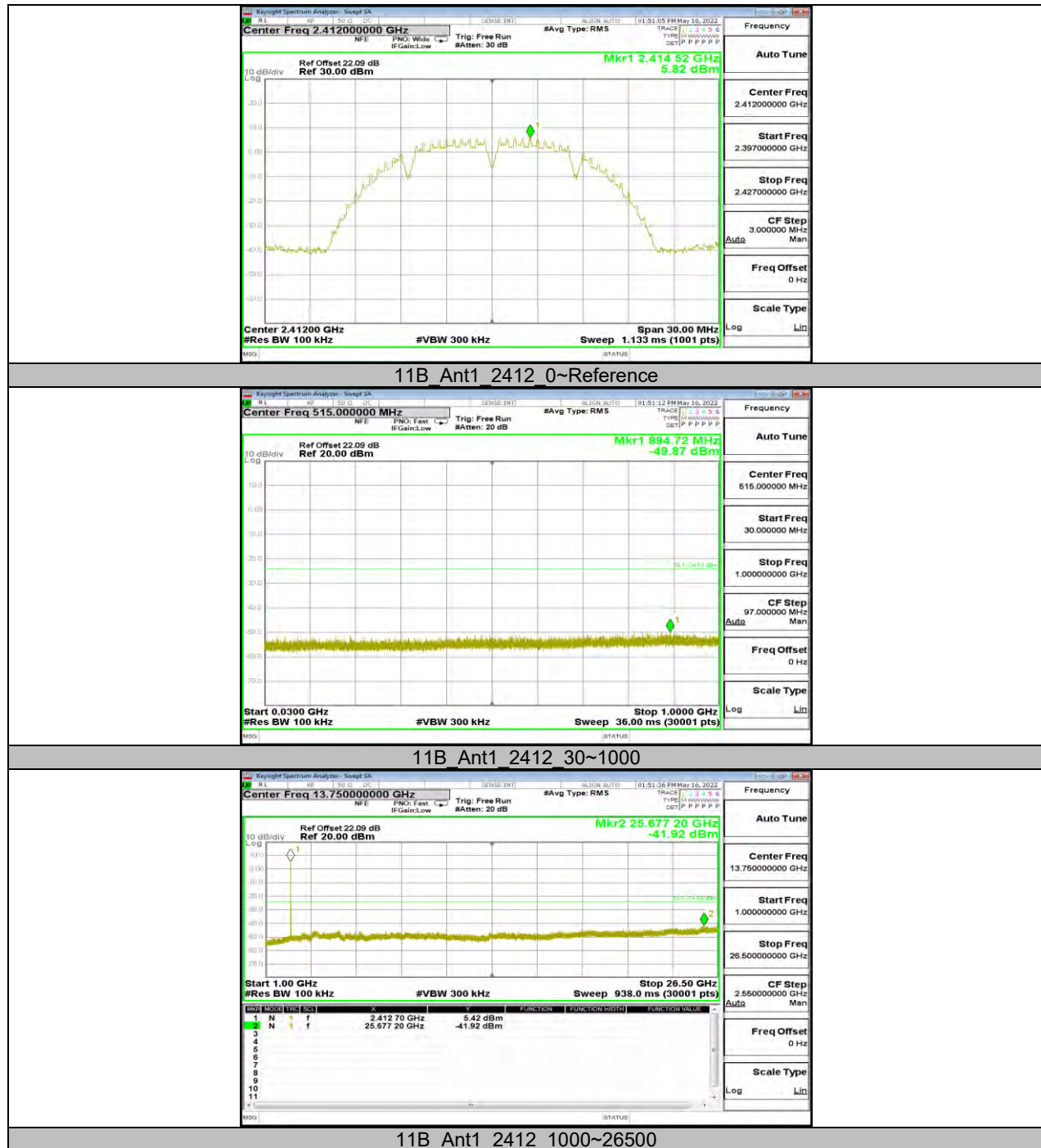
Test Mode	Antenna	Channel	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.82	---	PASS
			30~1000	-49.87	≤-24.18	PASS
			1000~26500	-41.92	≤-24.18	PASS
		2437	Reference	5.76	---	PASS
			30~1000	-49.89	≤-24.24	PASS
			1000~26500	-41.77	≤-24.24	PASS
		2462	Reference	5.78	---	PASS
			30~1000	-49.27	≤-24.22	PASS
			1000~26500	-41.73	≤-24.22	PASS
11G	Ant1	2412	Reference	4.58	---	PASS
			30~1000	-49.22	≤-25.42	PASS
			1000~26500	-42.2	≤-25.42	PASS
		2437	Reference	4.47	---	PASS
			30~1000	-49.94	≤-25.53	PASS
			1000~26500	-40.73	≤-25.53	PASS
		2462	Reference	4.07	---	PASS
			30~1000	-49.37	≤-25.93	PASS
			1000~26500	-41.25	≤-25.93	PASS
11N20MIMO	Ant1	2412	Reference	4.40	---	PASS
			30~1000	-49.58	≤-25.6	PASS
			1000~26500	-41.71	≤-25.6	PASS
	Ant2	2412	Reference	4.60	---	PASS
			30~1000	-49.69	≤-25.4	PASS
			1000~26500	-41.83	≤-25.4	PASS
	Ant1	2437	Reference	4.54	---	PASS
			30~1000	-49.84	≤-25.46	PASS
			1000~26500	-41	≤-25.46	PASS
	Ant2	2437	Reference	4.77	---	PASS
			30~1000	-49.42	≤-25.23	PASS
			1000~26500	-41.47	≤-25.23	PASS
	Ant1	2462	Reference	4.21	---	PASS
			30~1000	-49.41	≤-25.79	PASS
			1000~26500	-40.59	≤-25.79	PASS
	Ant2	2462	Reference	4.48	---	PASS
			30~1000	-49.75	≤-25.52	PASS
			1000~26500	-41.13	≤-25.52	PASS
11N40MIMO	Ant1	2422	Reference	3.26	---	PASS
			30~1000	-48.77	≤-26.74	PASS
			1000~26500	-42.02	≤-26.74	PASS
	Ant2	2422	Reference	3.47	---	PASS
			30~1000	-49.39	≤-26.53	PASS
			1000~26500	-42.02	≤-26.53	PASS
	Ant1	2437	Reference	1.38	---	PASS
			30~1000	-49.9	≤-28.62	PASS
			1000~26500	-41.91	≤-28.62	PASS
	Ant2	2437	Reference	1.54	---	PASS
			30~1000	-49.43	≤-28.46	PASS
			1000~26500	-41.39	≤-28.46	PASS
	Ant1	2452	Reference	1.25	---	PASS
			30~1000	-48.74	≤-28.75	PASS
			1000~26500	-41.35	≤-28.75	PASS
	Ant2	2452	Reference	1.61	---	PASS
			30~1000	-50.24	≤-28.39	PASS
			1000~26500	-41.71	≤-28.39	PASS
11AX20MIMO	Ant1	2412	Reference	6.02	---	PASS
			30~1000	-48.39	≤-23.98	PASS
			1000~26500	-41.67	≤-23.98	PASS

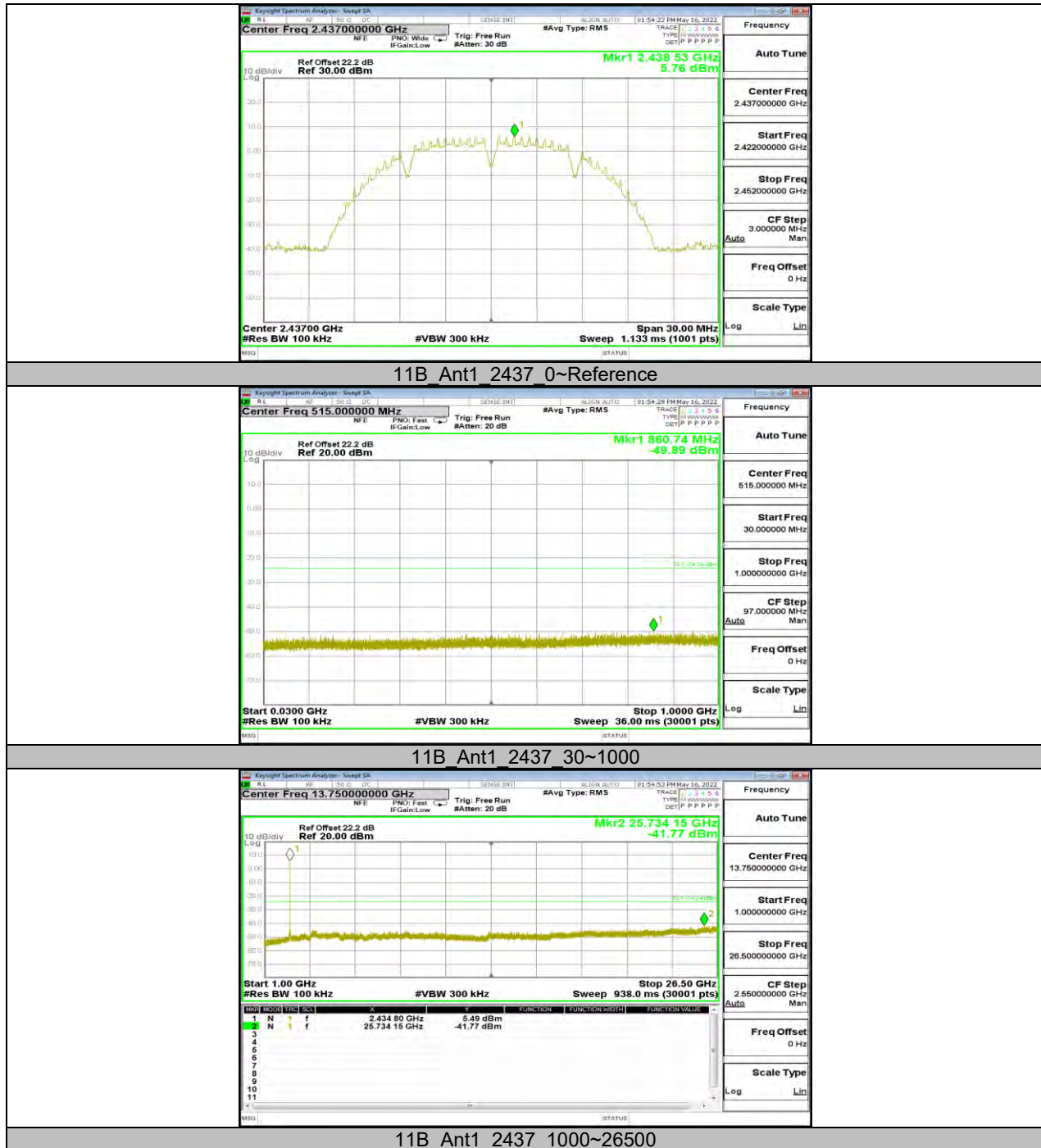


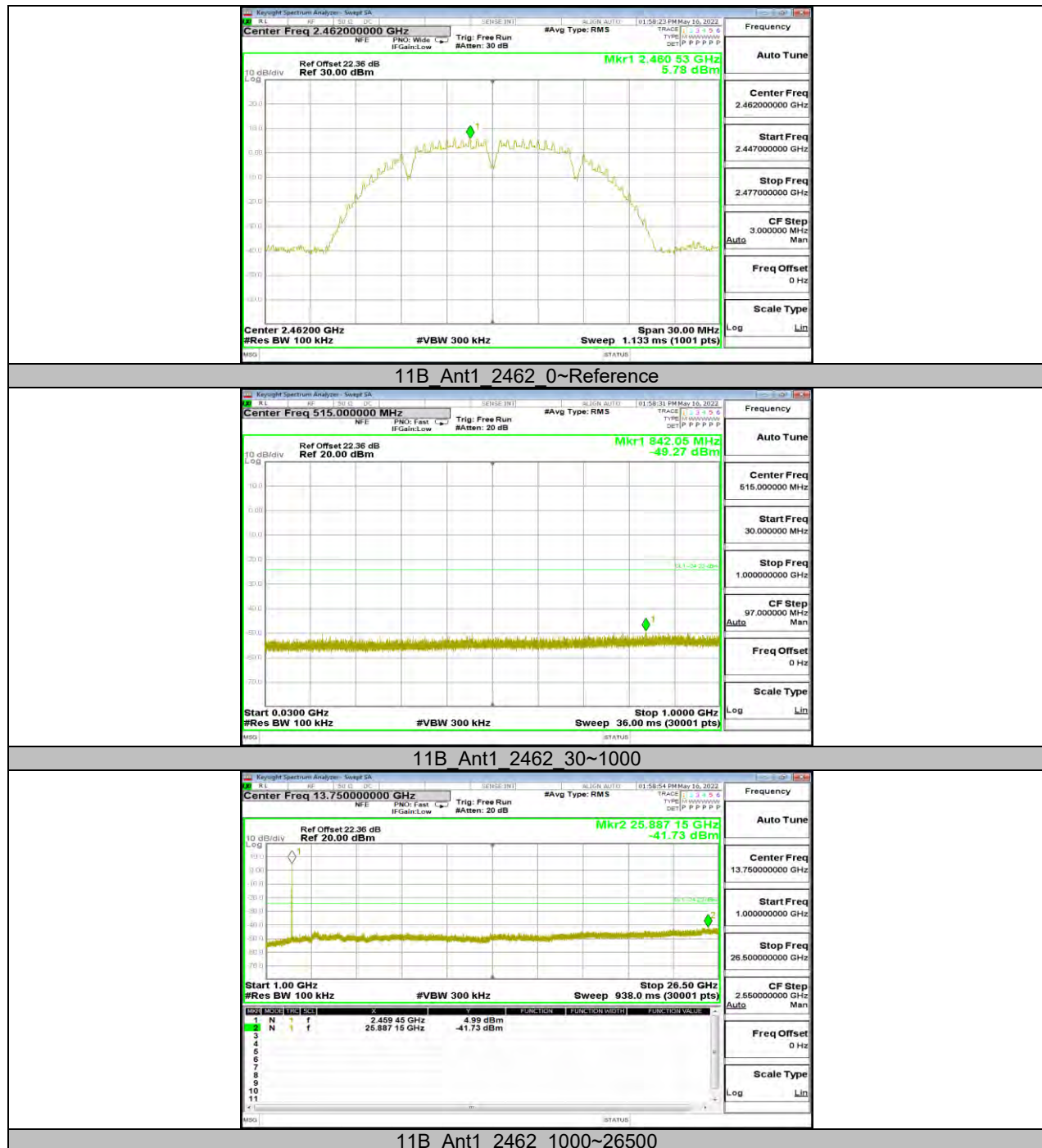
	Ant2	2412	Reference	5.04	---	PASS
			30~1000	-49	≤-24.96	PASS
			1000~26500	-42.11	≤-24.96	PASS
	Ant1	2437	Reference	4.21	---	PASS
			30~1000	-48.84	≤-25.79	PASS
			1000~26500	-40.93	≤-25.79	PASS
	Ant2	2437	Reference	4.20	---	PASS
			30~1000	-49.89	≤-25.8	PASS
			1000~26500	-41.91	≤-25.8	PASS
	Ant1	2462	Reference	5.86	---	PASS
			30~1000	-49.77	≤-24.14	PASS
			1000~26500	-41.19	≤-24.14	PASS
Ant2	2462	Reference	4.51	---	PASS	
		30~1000	-49.56	≤-25.48	PASS	
		1000~26500	-41.86	≤-25.48	PASS	
11AX40MIMO	Ant1	2422	Reference	2.71	---	PASS
			30~1000	-49.13	≤-27.29	PASS
			1000~26500	-41.73	≤-27.29	PASS
	Ant2	2422	Reference	2.97	---	PASS
			30~1000	-49.82	≤-27.03	PASS
			1000~26500	-41.72	≤-27.03	PASS
	Ant1	2437	Reference	2.94	---	PASS
			30~1000	-50.12	≤-27.06	PASS
			1000~26500	-41.68	≤-27.06	PASS
	Ant2	2437	Reference	1.96	---	PASS
			30~1000	-49.14	≤-28.04	PASS
			1000~26500	-41.54	≤-28.04	PASS
	Ant1	2452	Reference	0.92	---	PASS
			30~1000	-49.76	≤-29.08	PASS
			1000~26500	-41.67	≤-29.08	PASS
Ant2	2452	Reference	1.78	---	PASS	
		30~1000	-49.03	≤-28.22	PASS	
		1000~26500	-40.82	≤-28.22	PASS	

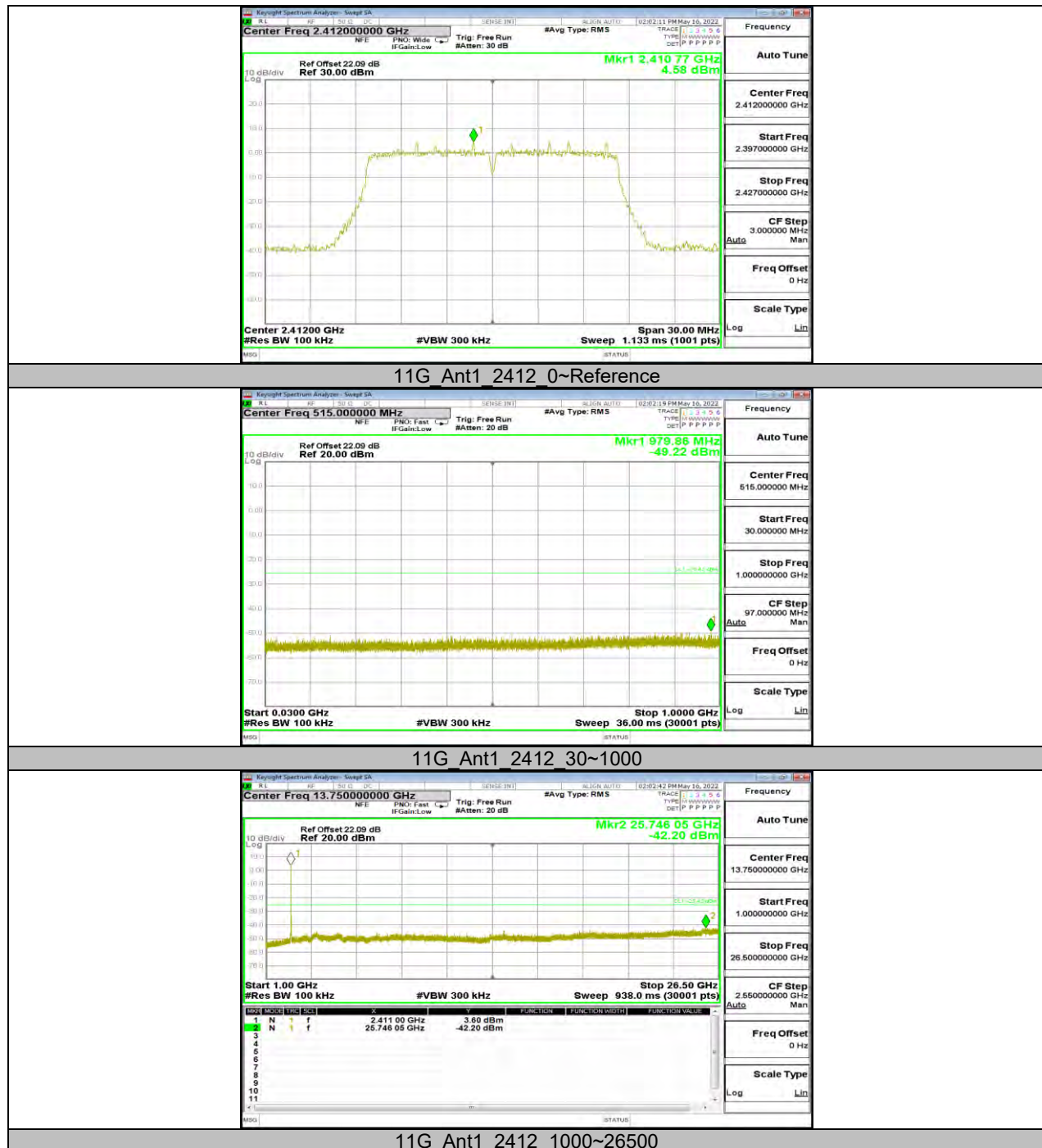
Note: For 802.11 b&g mode, only the worst case data recorded in this report.

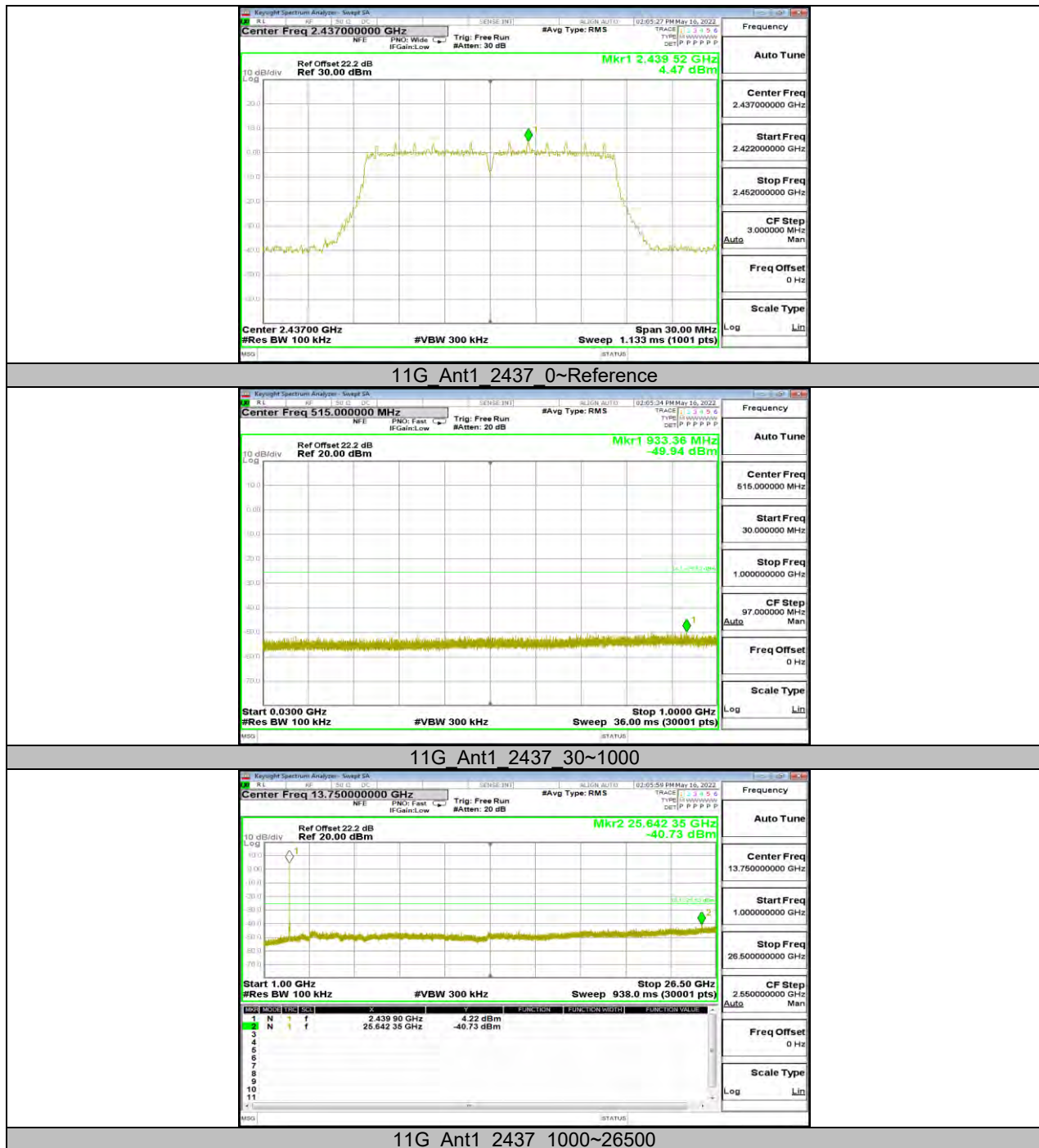
11.6.2. Test Graphs

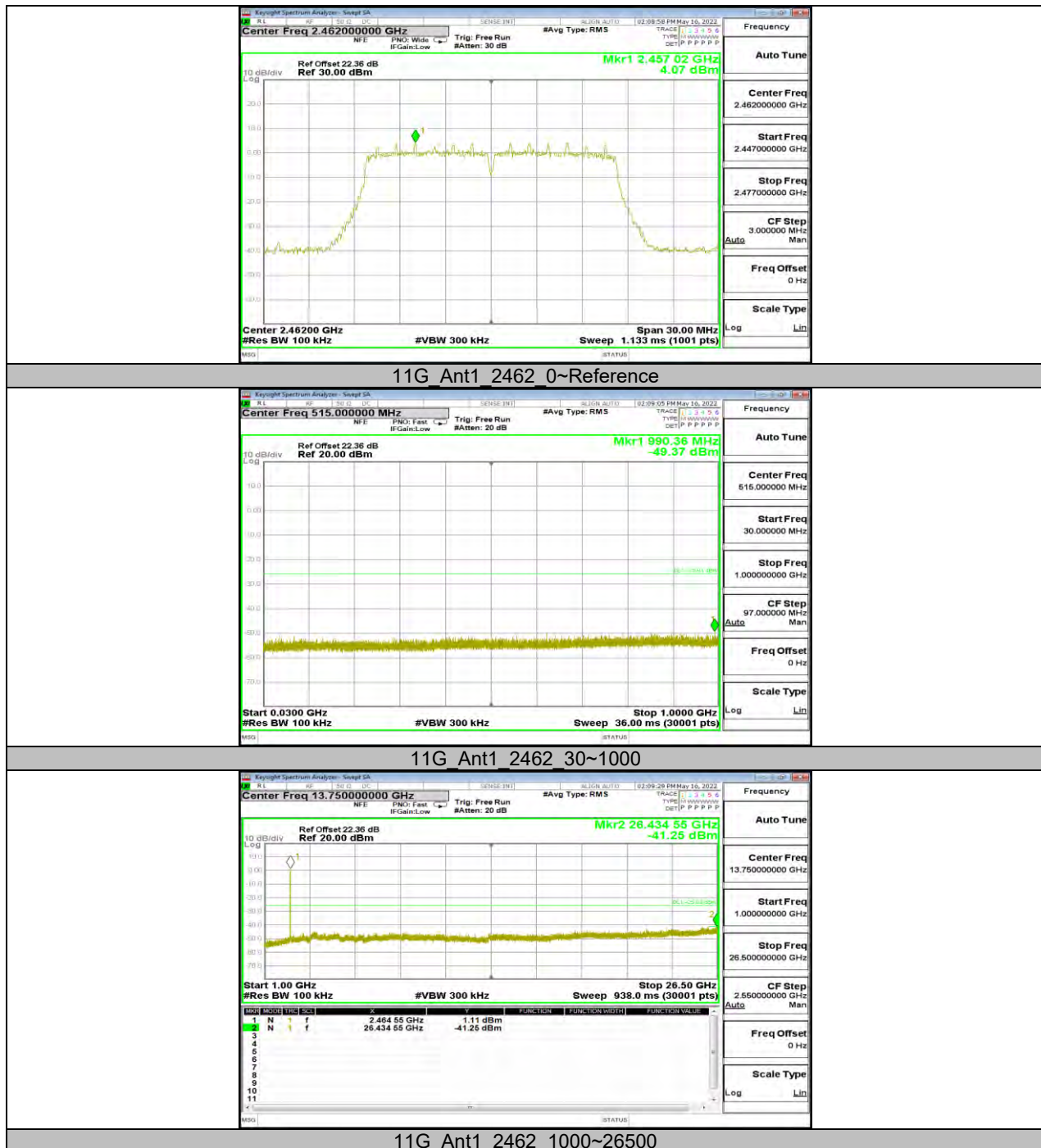


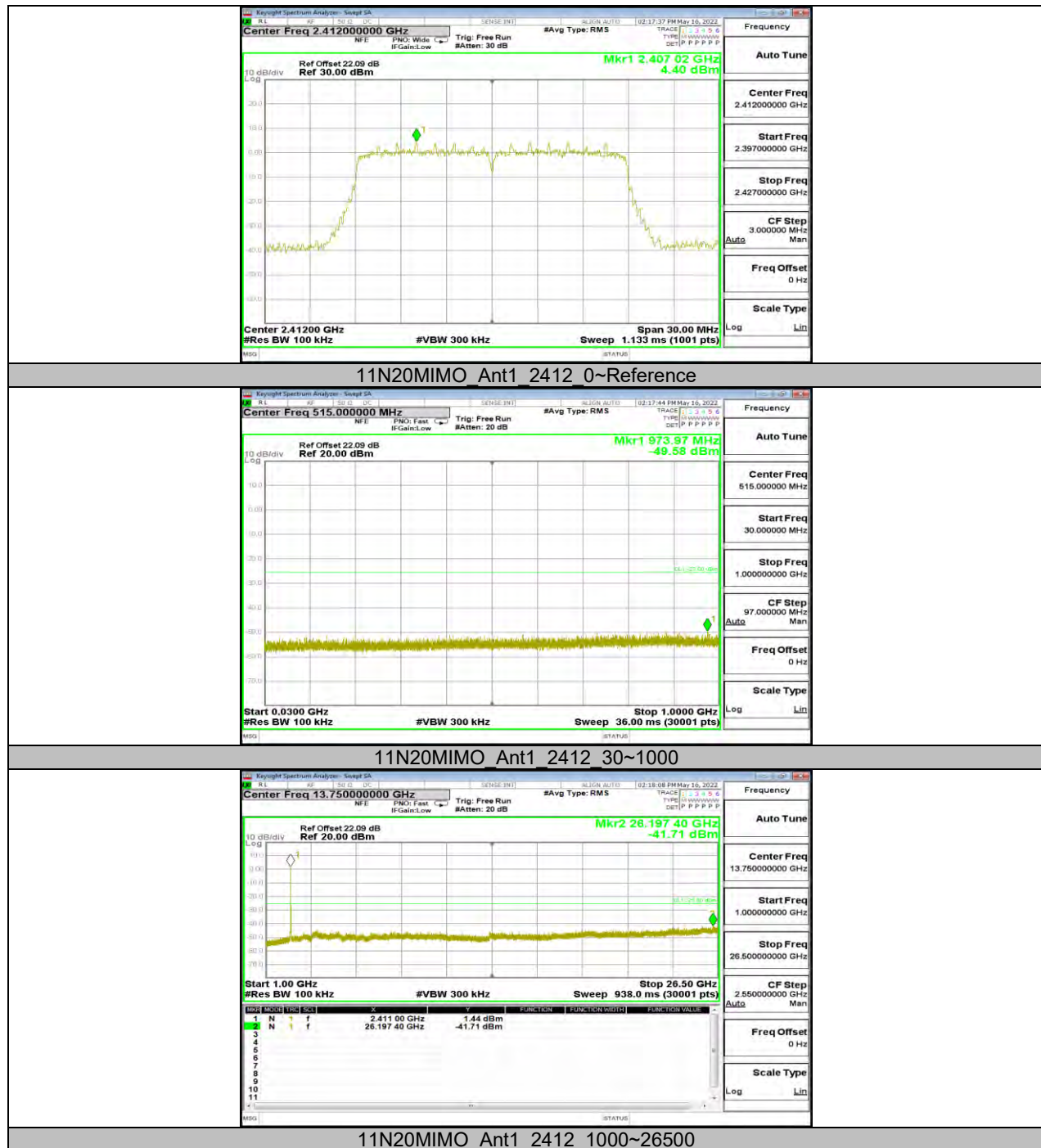


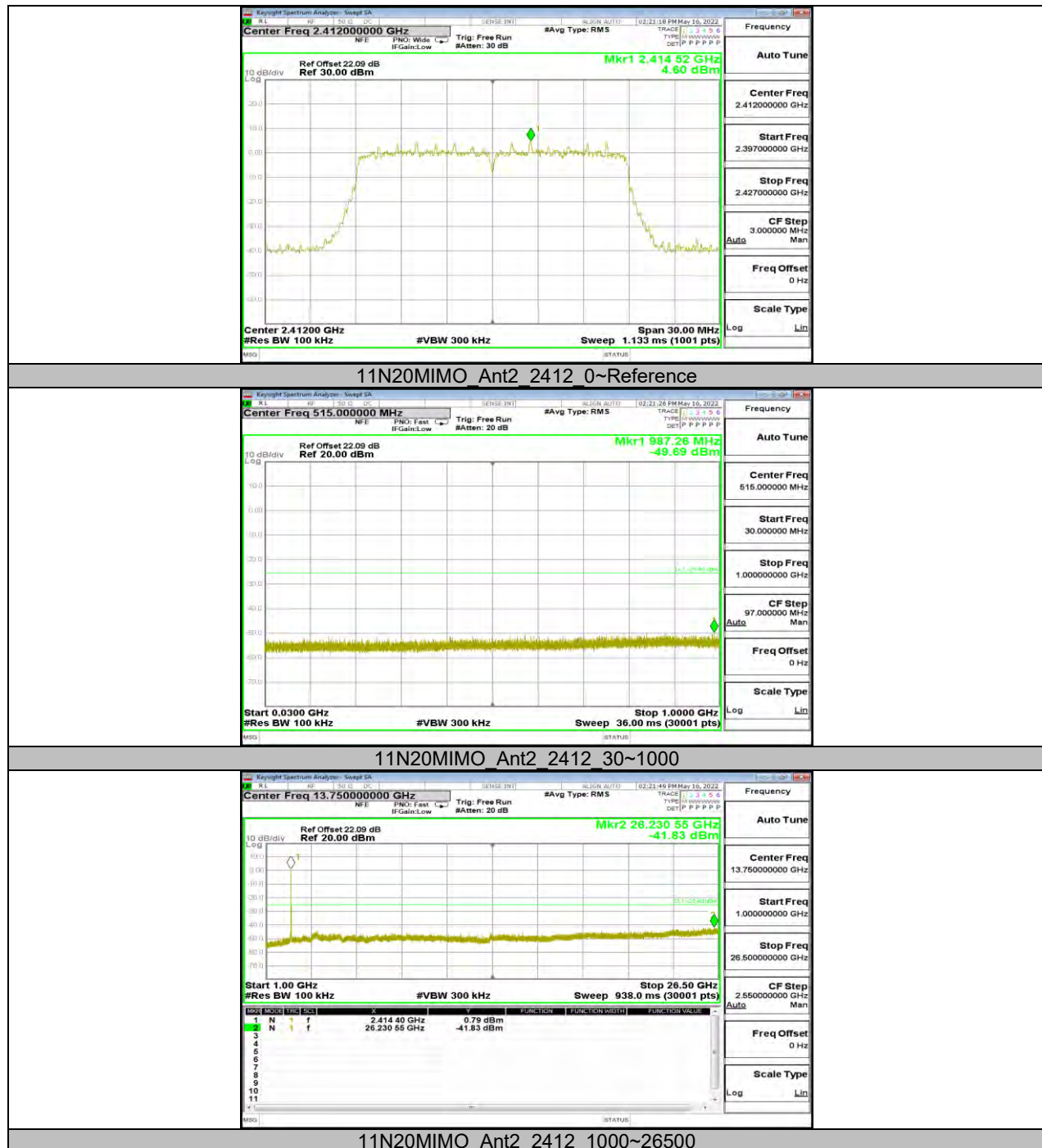


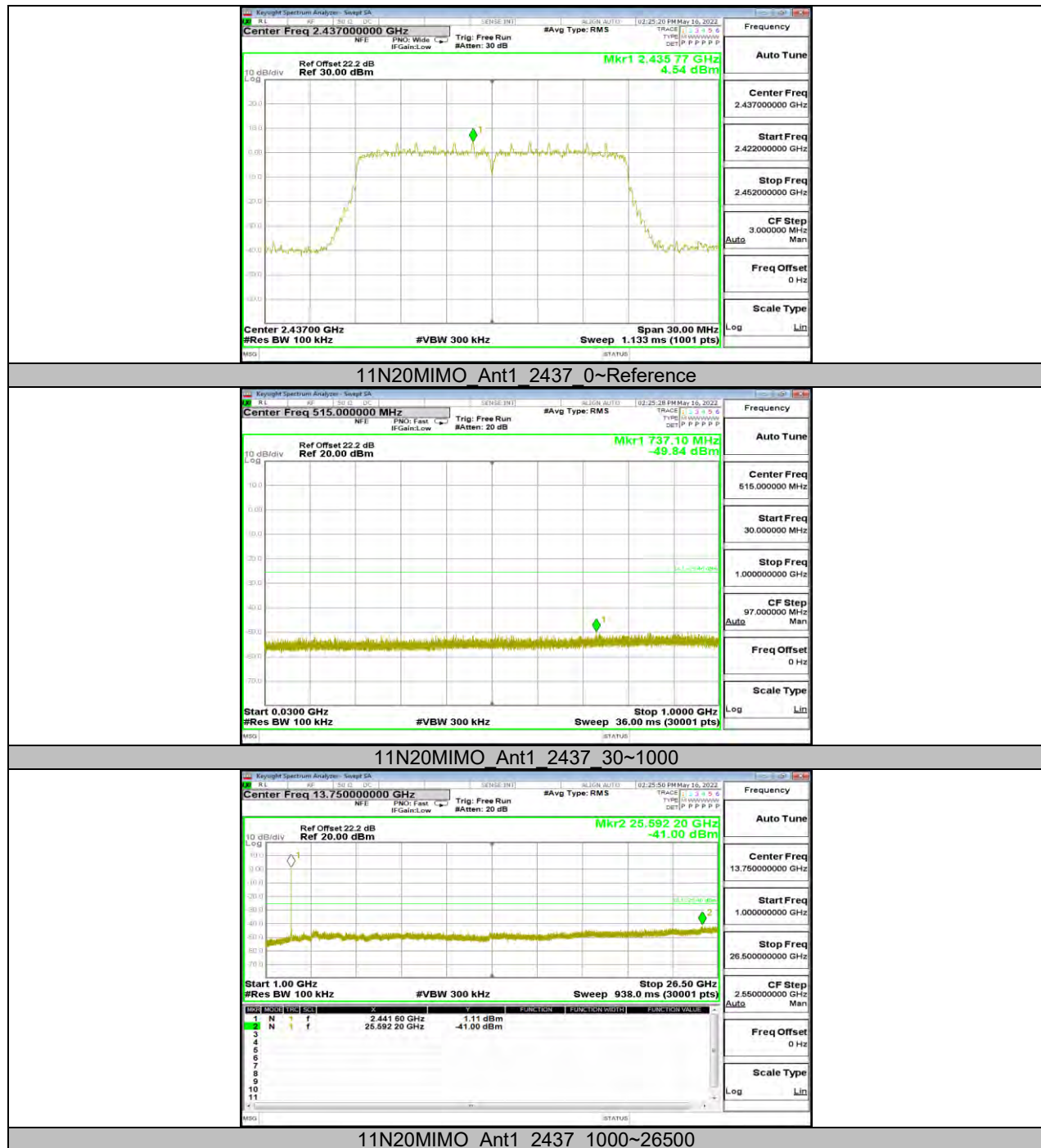




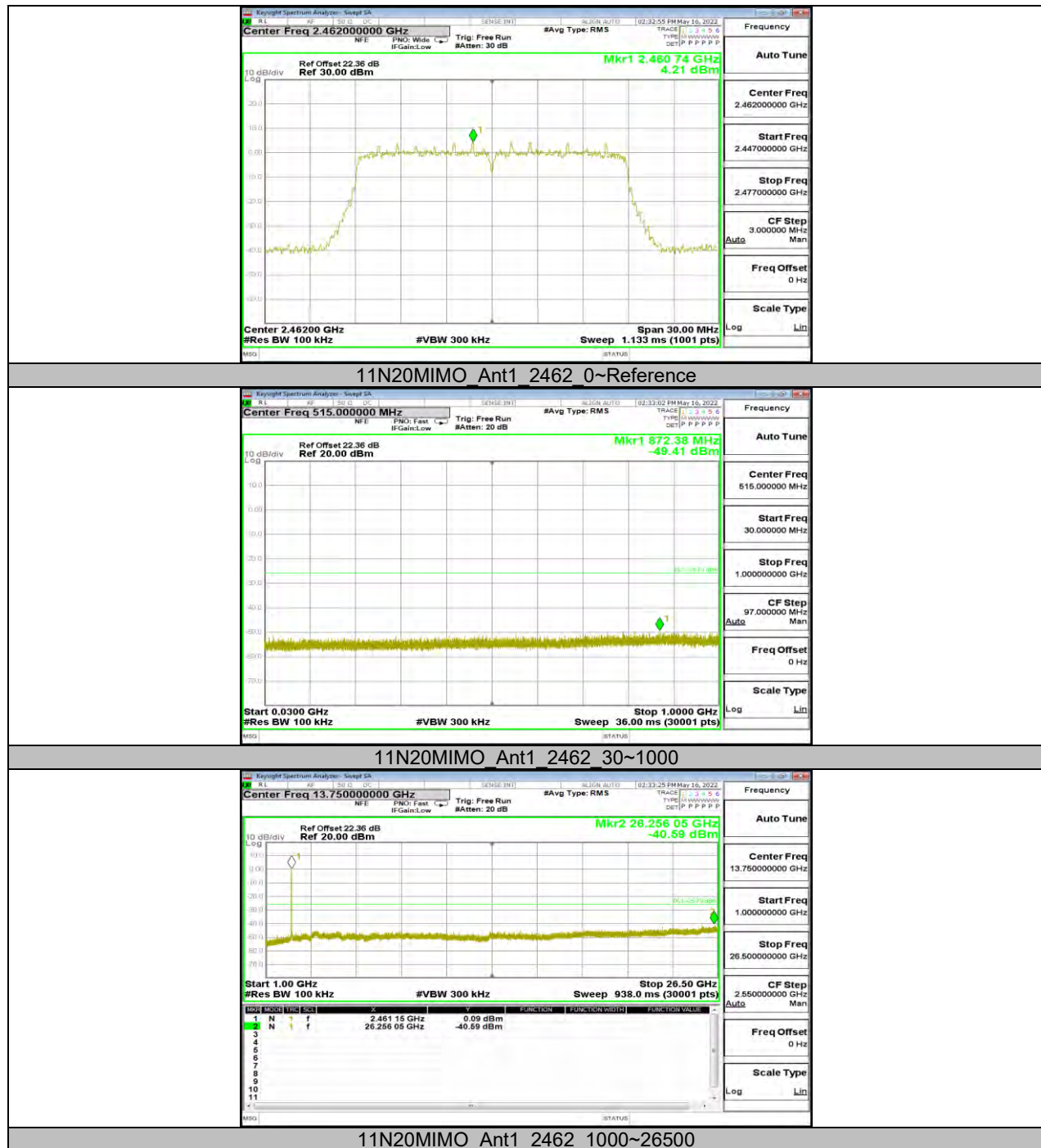




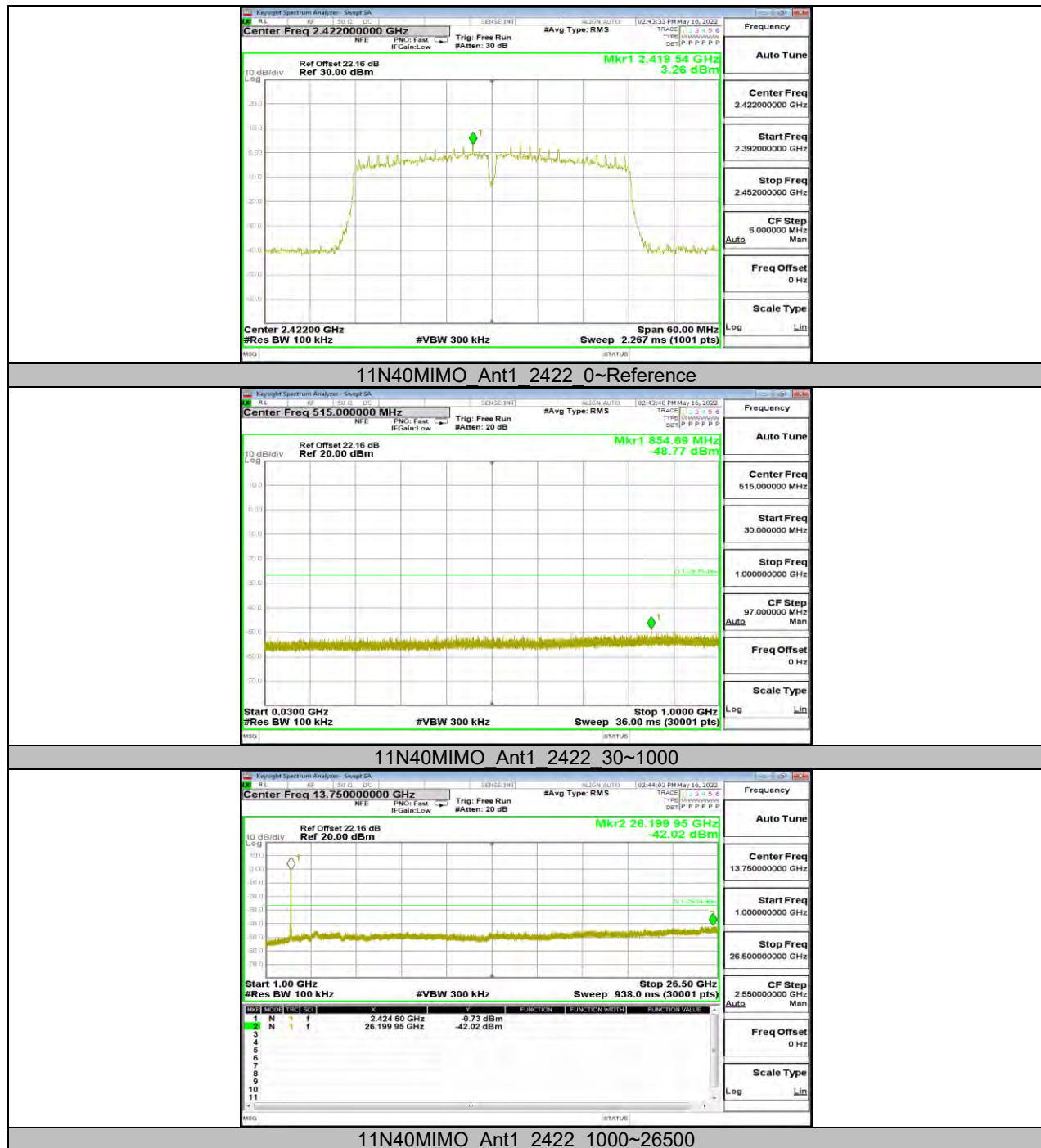








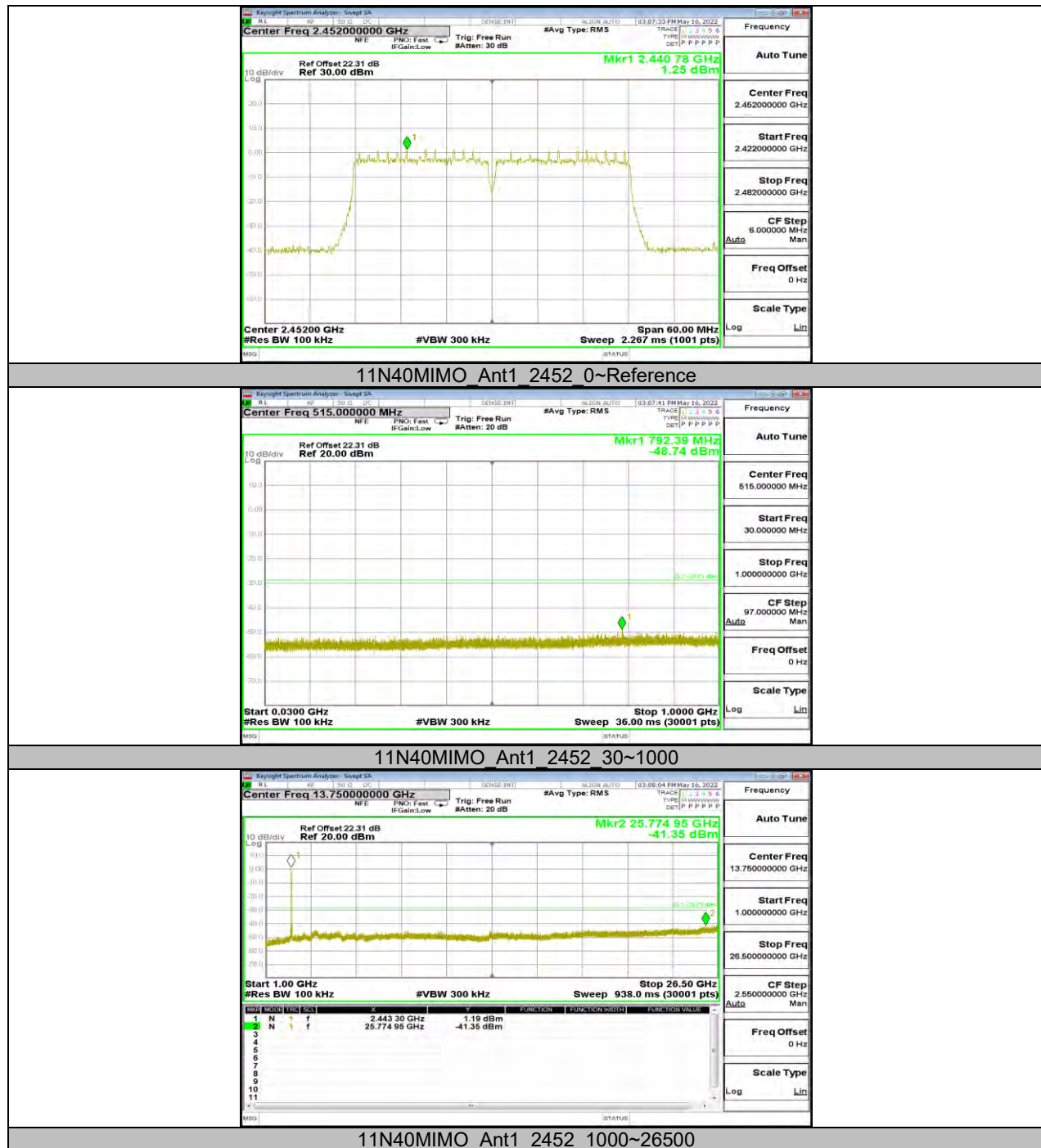




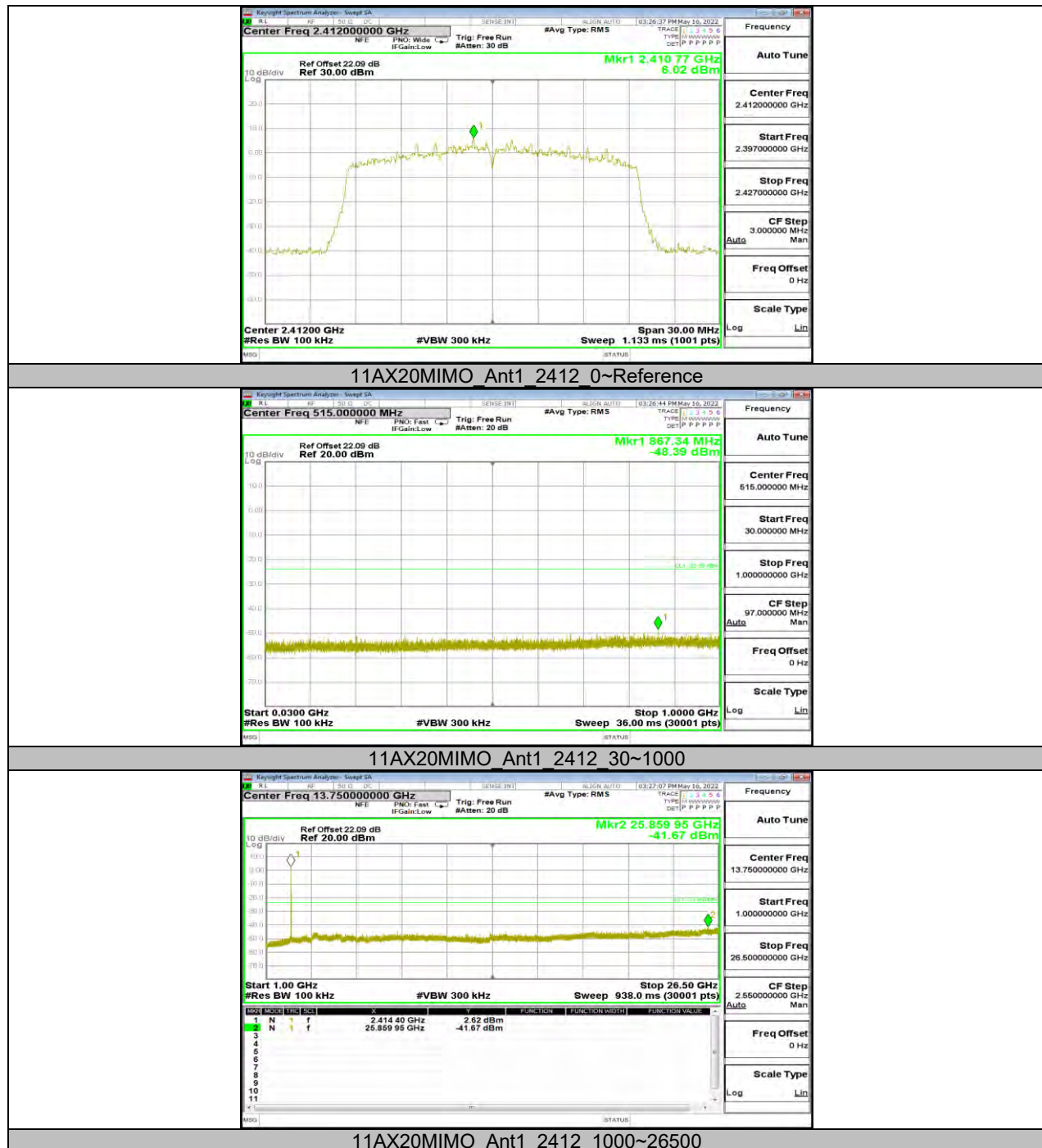


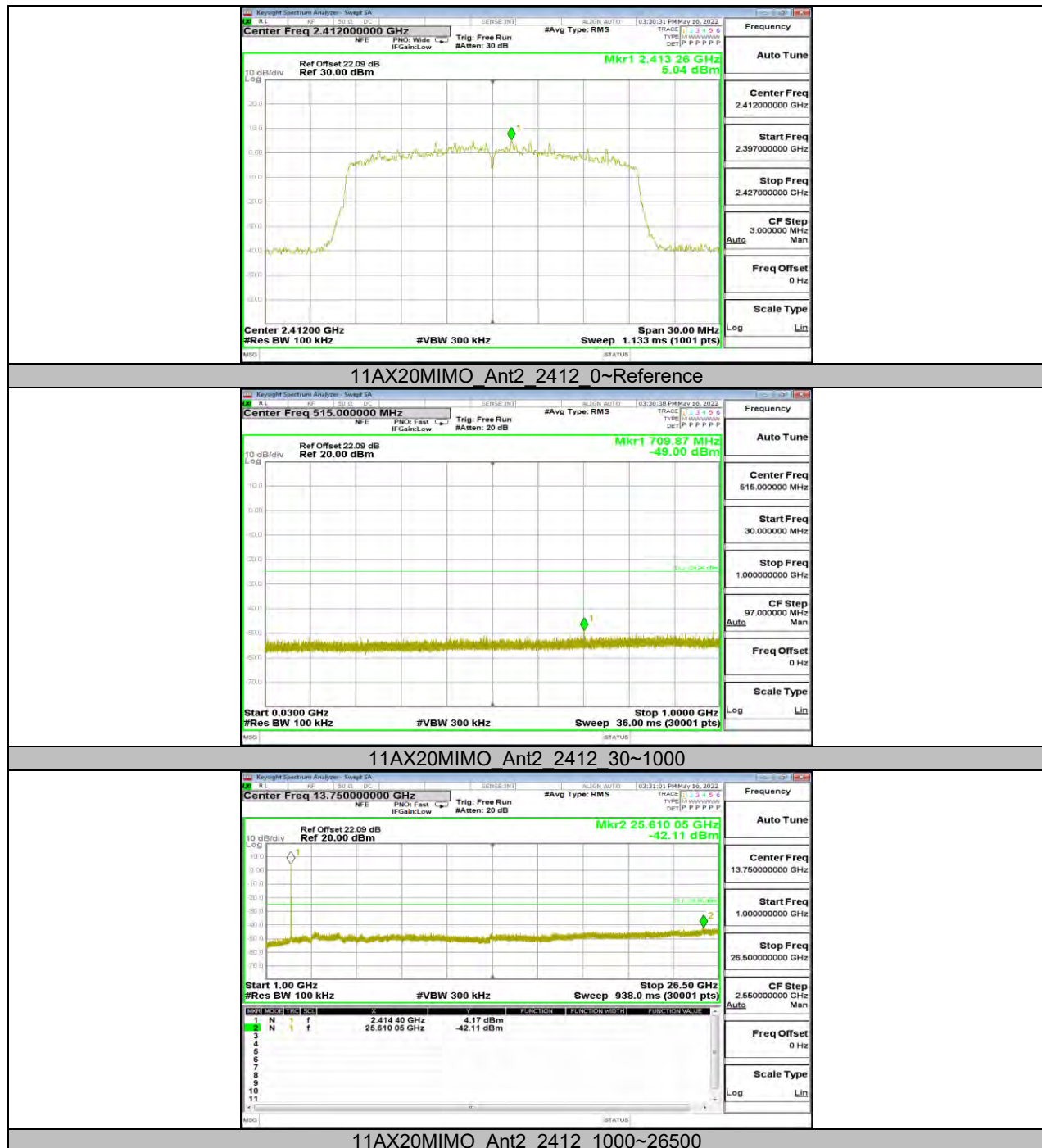






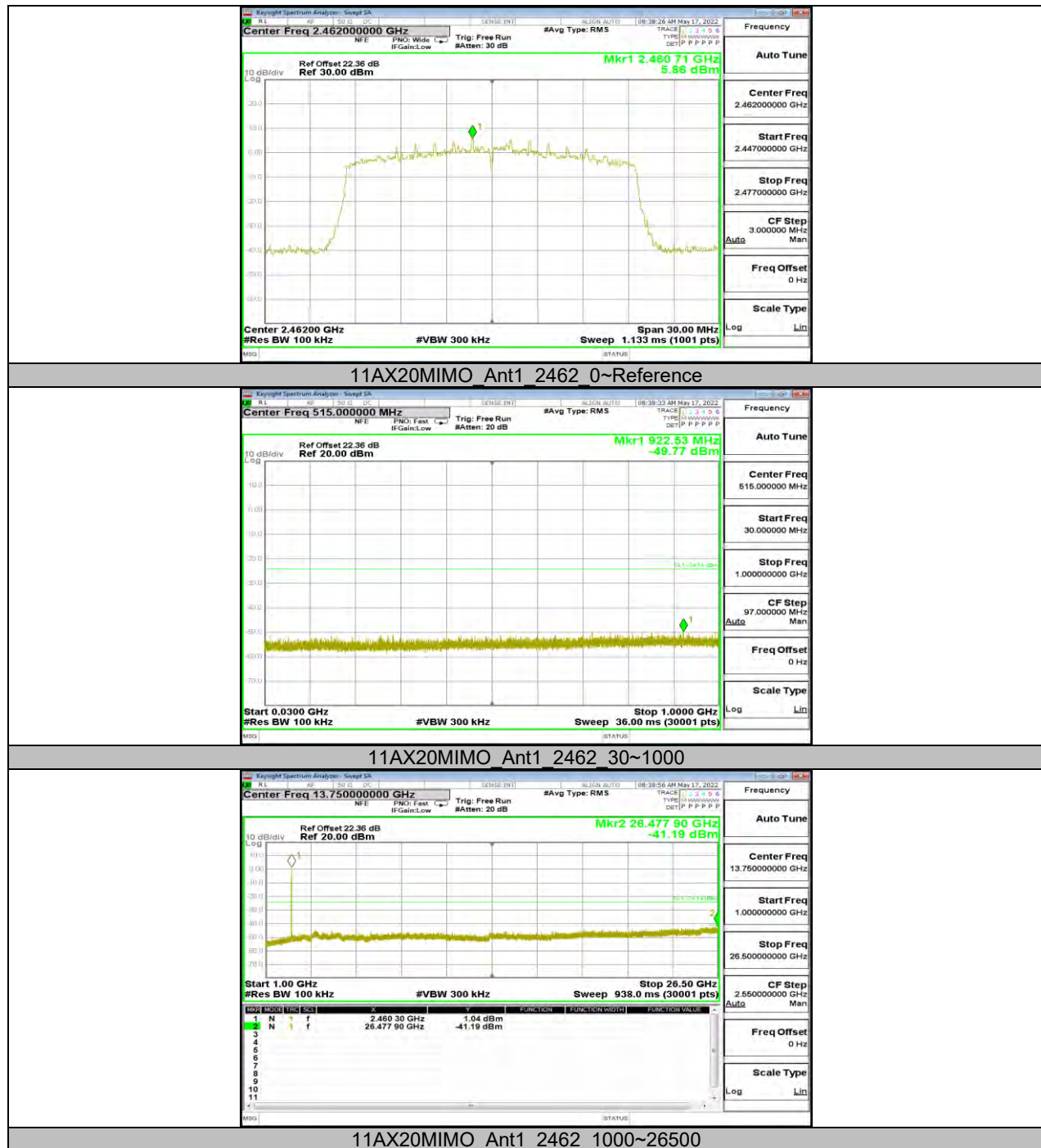




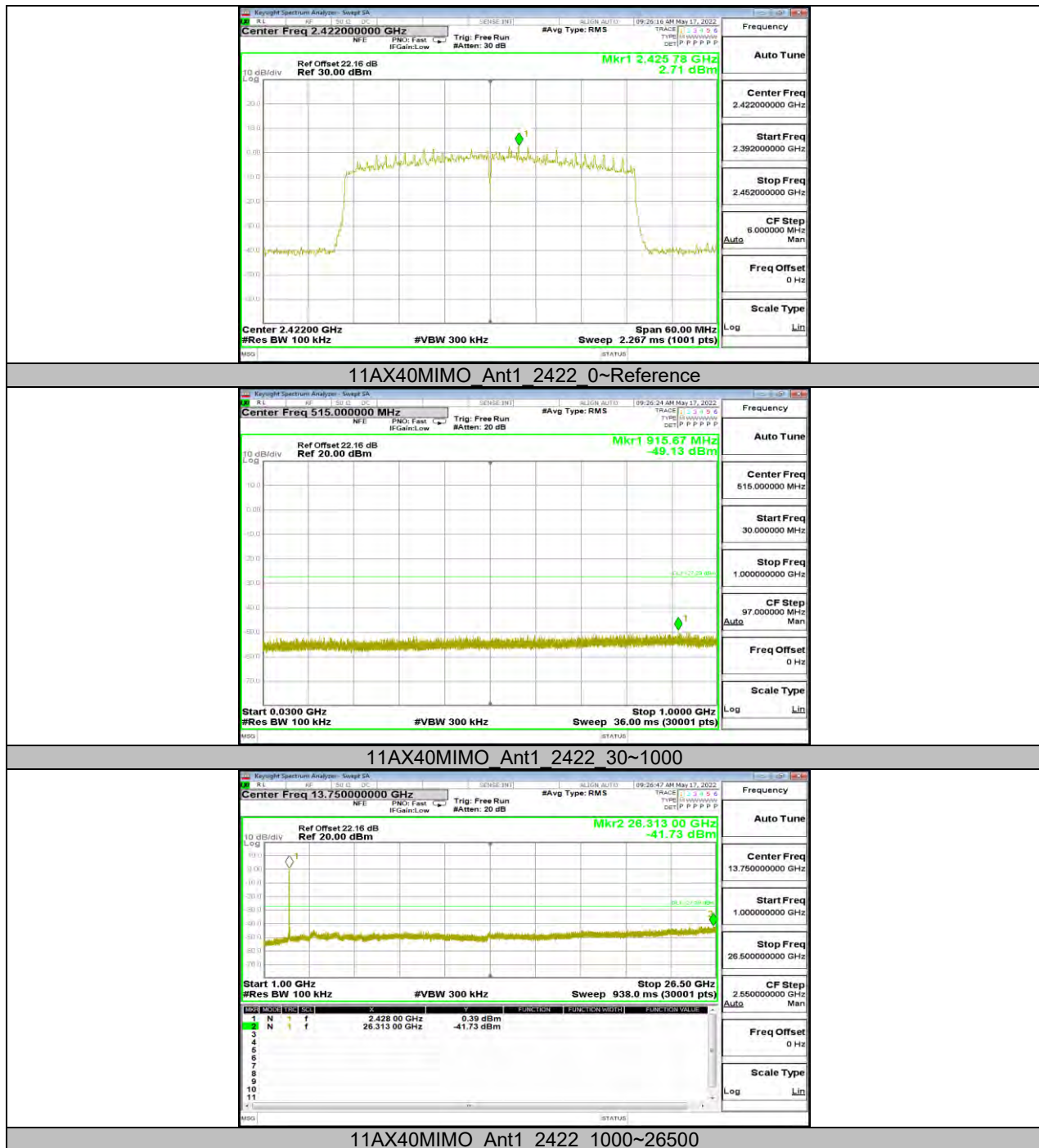


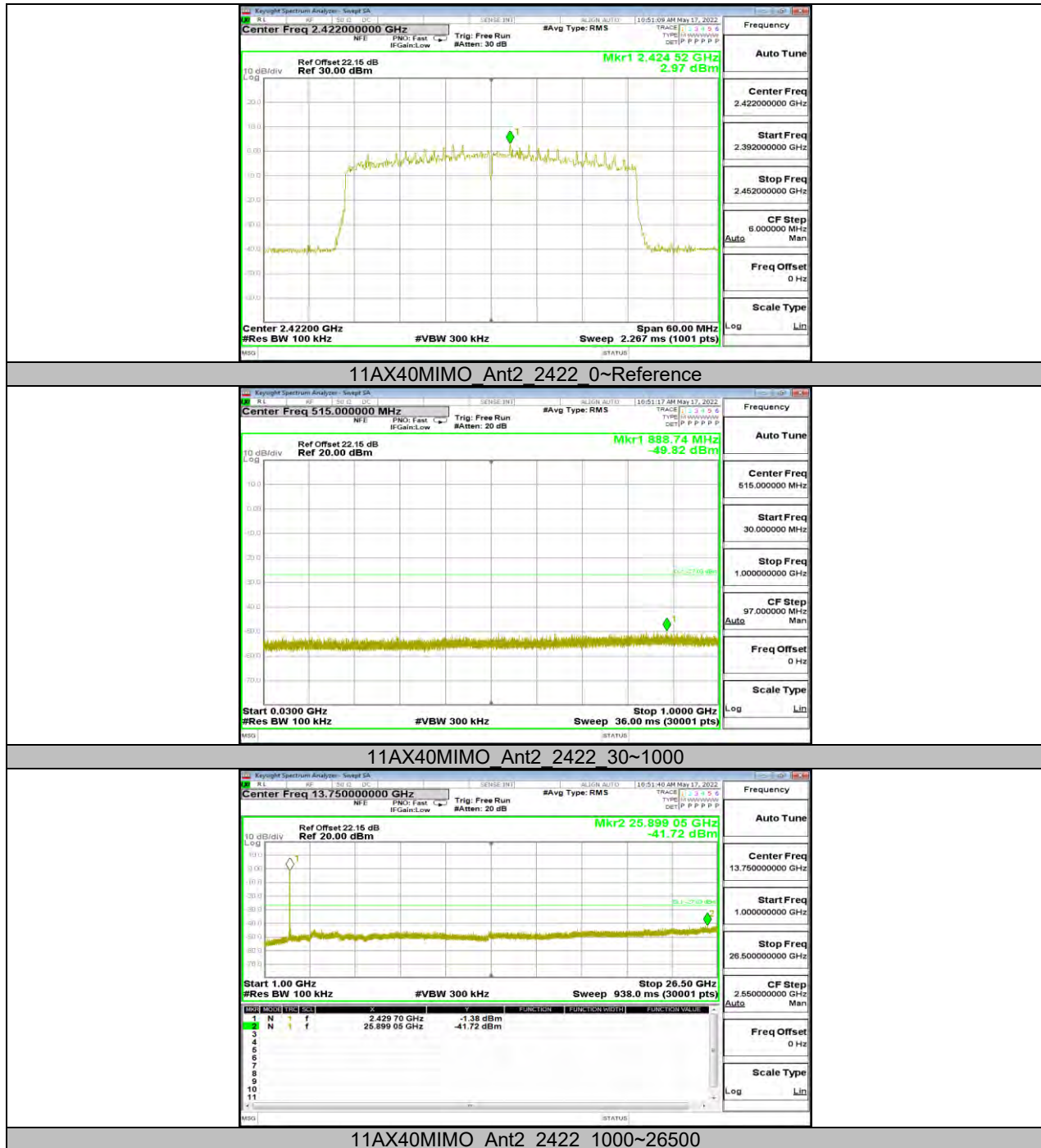






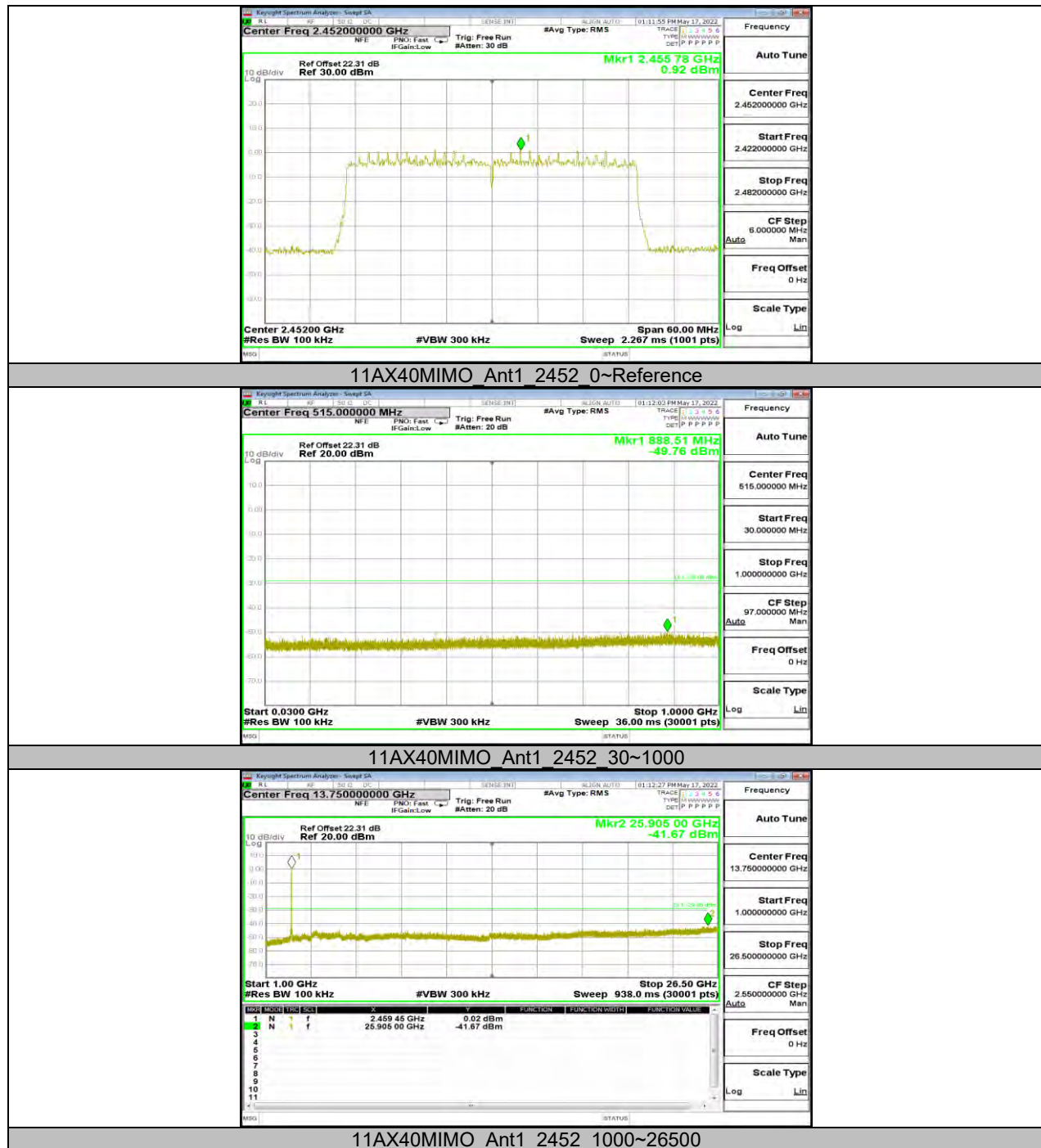














**11.7. APPENDIX G: DUTY CYCLE****11.7.1. Test Result**

Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11B	50	50	1.0000	100.00	0.00	NA	0.01
11G	50	50	1.0000	100.00	0.00	NA	0.01
11N20MIMO	50	50	1.0000	100.00	0.00	NA	0.01
11N40MIMO	50	50	1.0000	100.00	0.00	NA	0.01
11AX20MIMO	50	50	1.0000	100.00	0.00	NA	0.01
11AX40MIMO	50	50	1.0000	100.00	0.00	NA	0.01

Note:

Duty Cycle Correction Factor= $10\log(1/x)$.

Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.

If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW $\leq$ RBW/100 (i.e., 10 kHz) but not less than 10 Hz.



11.7.2. Test Graphs





END OF REPORT