













**11.3. Appendix C: Maximum conducted output power****11.3.1. Test Result**

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	2412	20.03	<=30	PASS
	Ant1	2412	20.50	<=30	PASS
	Ant0	2437	19.97	<=30	PASS
	Ant1	2437	19.42	<=30	PASS
	Ant0	2462	18.83	<=30	PASS
	Ant1	2462	18.58	<=30	PASS
11G	Ant0	2412	19.39	<=30	PASS
	Ant1	2412	19.15	<=30	PASS
	Ant0	2437	18.49	<=30	PASS
	Ant1	2437	18.09	<=30	PASS
	Ant0	2462	17.75	<=30	PASS
	Ant1	2462	17.53	<=30	PASS
11N20MIMO	Ant0	2412	16.48	<=30	PASS
	Ant1	2412	16.13	<=30	PASS
	total	2412	19.32	<=30	PASS
	Ant0	2437	16.48	<=30	PASS
	Ant1	2437	16.04	<=30	PASS
	total	2437	19.28	<=30	PASS
	Ant0	2462	16.56	<=30	PASS
	Ant1	2462	16.22	<=30	PASS
11N40MIMO	total	2462	19.40	<=30	PASS
	Ant0	2422	16.09	<=30	PASS
	Ant1	2422	15.81	<=30	PASS
	total	2422	18.96	<=30	PASS
	Ant0	2437	16.64	<=30	PASS
	Ant1	2437	16.31	<=30	PASS
	total	2437	19.49	<=30	PASS
	Ant0	2452	15.23	<=30	PASS
	Ant1	2452	14.79	<=30	PASS
	total	2452	18.03	<=30	PASS

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

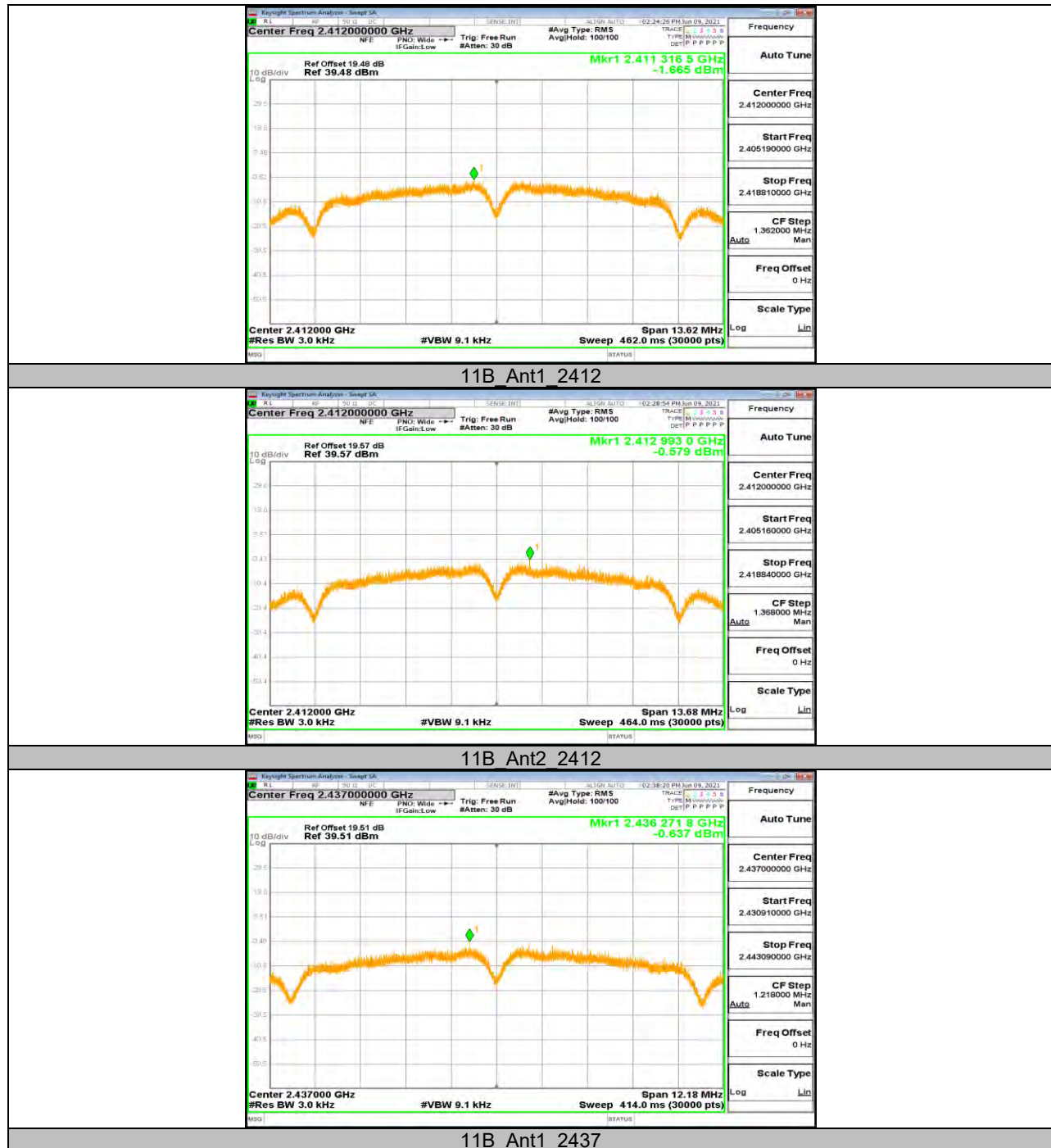
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

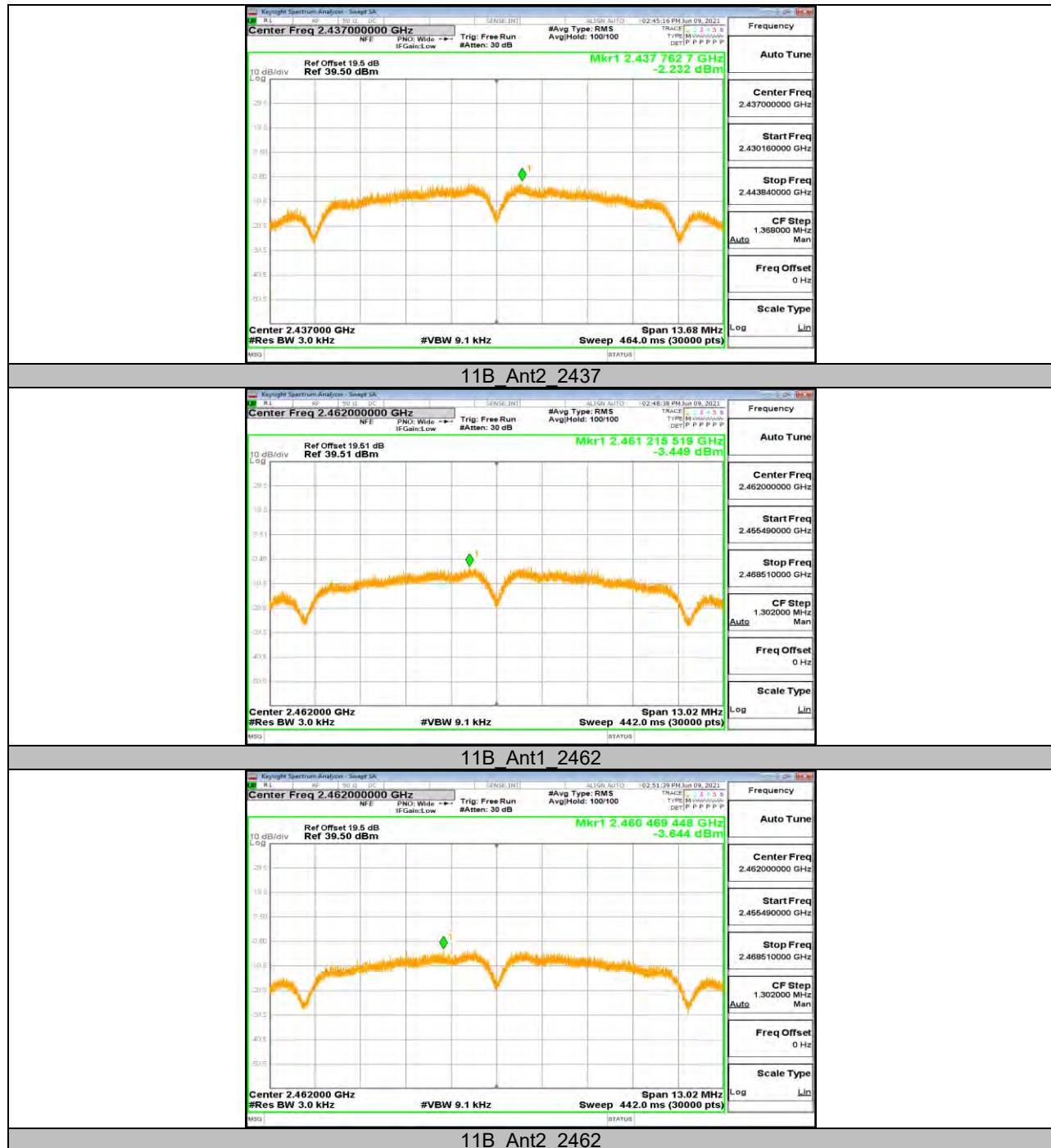
**11.4. Appendix D: Maximum power spectral density****11.4.1. Test Result**

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant0	2412	-1.67	<=8	PASS
	Ant1	2412	-0.58	<=8	PASS
	Ant0	2437	-0.64	<=8	PASS
	Ant1	2437	-2.23	<=8	PASS
	Ant0	2462	-3.45	<=8	PASS
	Ant1	2462	-3.64	<=8	PASS
11G	Ant0	2412	-4.67	<=8	PASS
	Ant1	2412	-4.26	<=8	PASS
	Ant0	2437	-5.52	<=8	PASS
	Ant1	2437	-6.26	<=8	PASS
	Ant0	2462	-5.27	<=8	PASS
	Ant1	2462	-5.91	<=8	PASS
11N20MIMO	Ant0	2412	-7.41	<=8	PASS
	Ant1	2412	-7.55	<=8	PASS
	total	2412	-4.47	<=8	PASS
	Ant0	2437	-7.51	<=8	PASS
	Ant1	2437	-7.83	<=8	PASS
	total	2437	-4.66	<=8	PASS
	Ant0	2462	-7.22	<=8	PASS
	Ant1	2462	-7.9	<=8	PASS
11N40MIMO	total	2462	-4.54	<=8	PASS
	Ant0	2422	-10.88	<=8	PASS
	Ant1	2422	-11.53	<=8	PASS
	total	2422	-8.18	<=8	PASS
	Ant0	2437	-10.18	<=8	PASS
	Ant1	2437	-8.28	<=8	PASS
	total	2437	-6.12	<=8	PASS
	Ant0	2452	-11.71	<=8	PASS
	Ant1	2452	-12	<=8	PASS
	total	2452	-8.84	<=8	PASS



11.4.2. Test Graphs



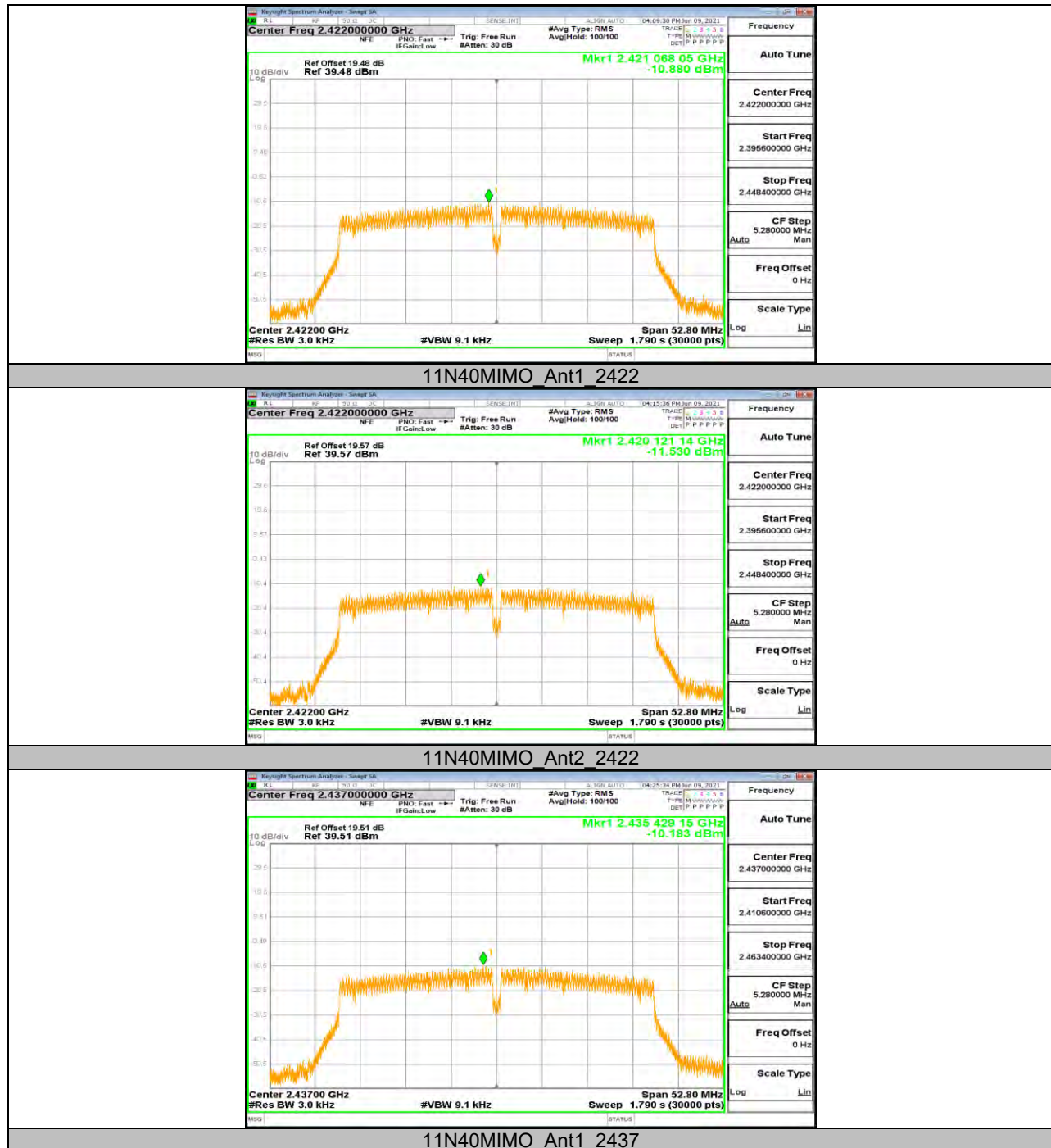


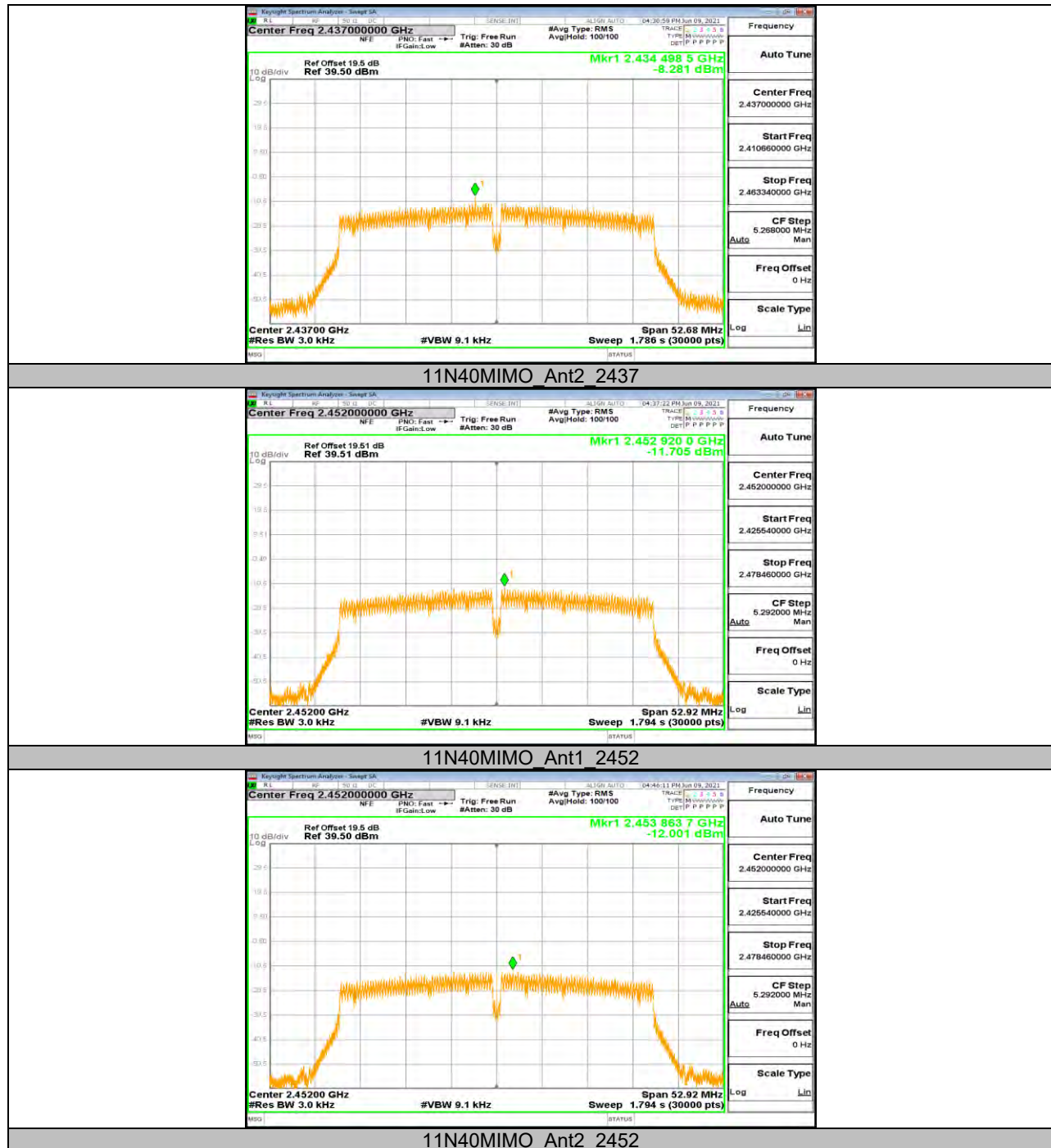












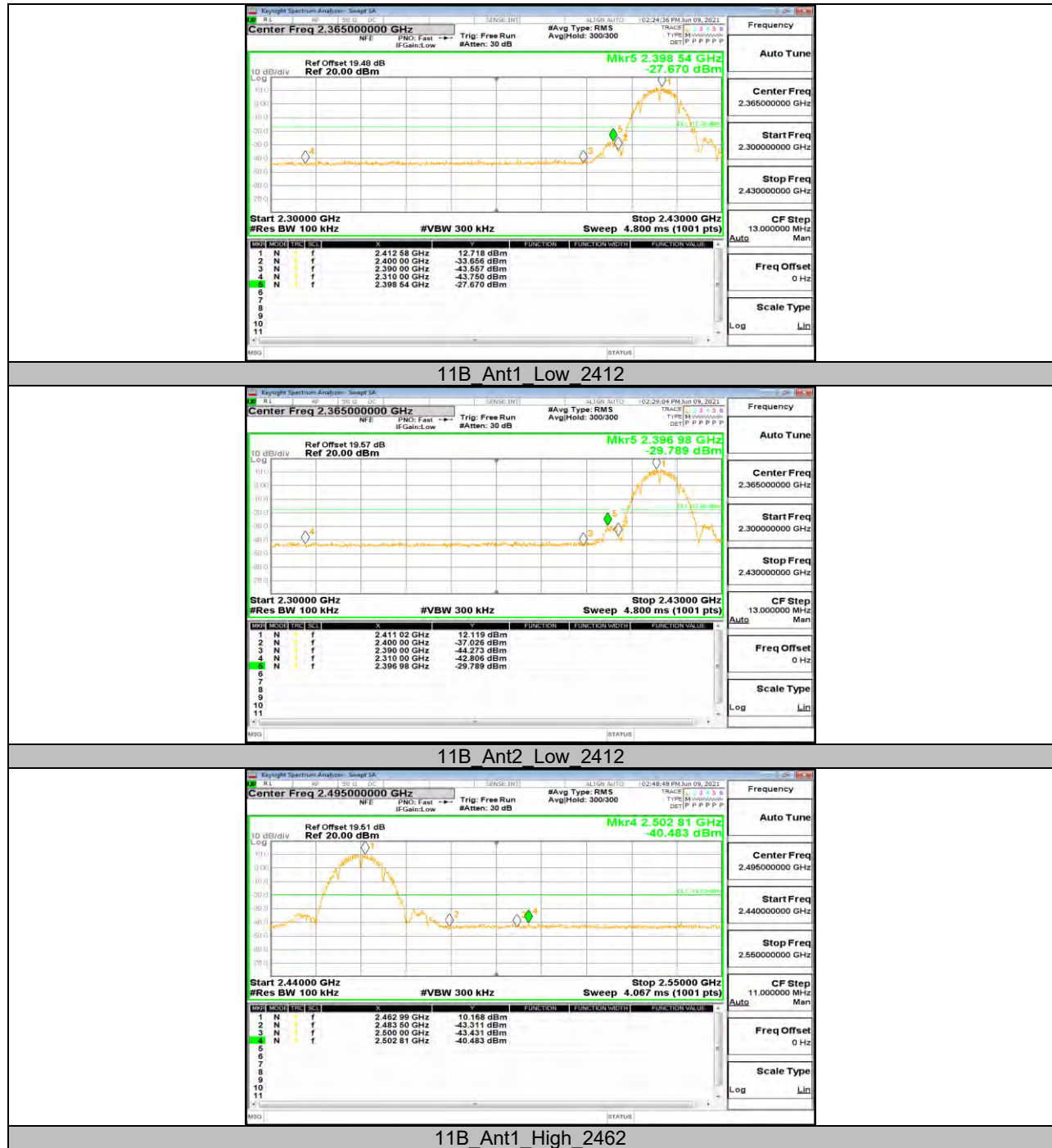


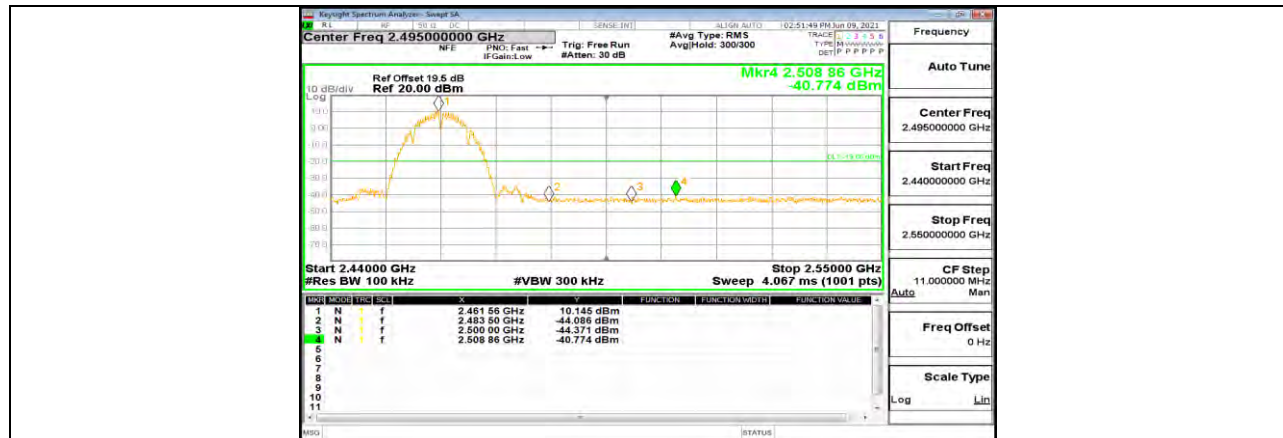
11.5. Appendix E: Band edge measurements

11.5.1. Test Result

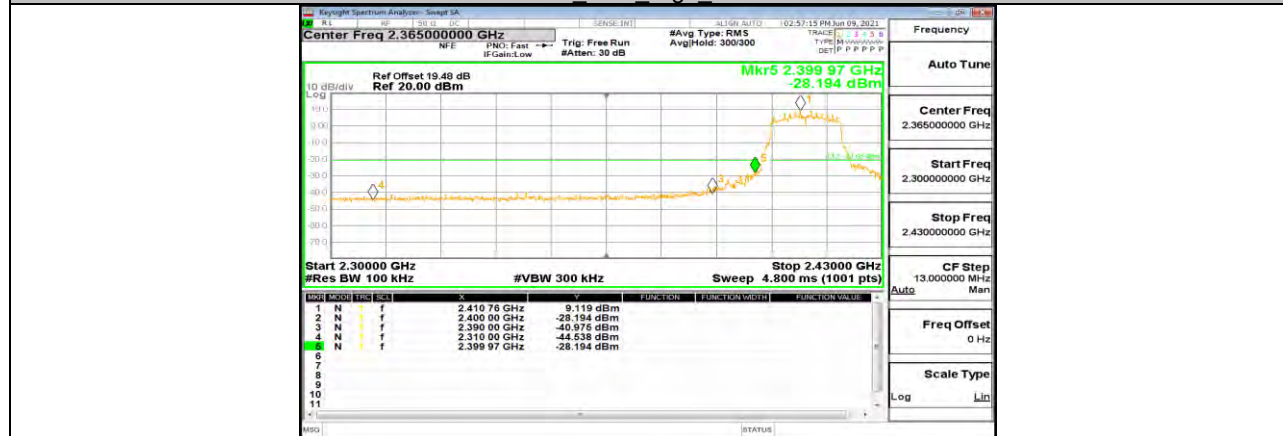
Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	Low	2412	12.72	-27.67	<=-17.28	PASS
	Ant1	Low	2412	12.12	-29.79	<=-17.88	PASS
	Ant0	High	2462	10.17	-40.48	<=-19.83	PASS
	Ant1	High	2462	10.15	-40.77	<=-19.86	PASS
11G	Ant0	Low	2412	9.12	-28.19	<=-20.88	PASS
	Ant1	Low	2412	8.80	-25.92	<=-21.2	PASS
	Ant0	High	2462	7.28	-40.23	<=-22.72	PASS
	Ant1	High	2462	6.97	-40.81	<=-23.04	PASS
11N20MIMO	Ant0	Low	2412	6.00	-33.16	<=-24	PASS
	Ant1	Low	2412	5.78	-34.44	<=-24.22	PASS
	Ant0	High	2462	6.41	-40.59	<=-23.59	PASS
	Ant1	High	2462	5.96	-39.4	<=-24.05	PASS
11N40MIMO	Ant0	Low	2422	2.99	-36.57	<=-27.01	PASS
	Ant1	Low	2422	2.64	-36.23	<=-27.36	PASS
	Ant0	High	2452	2.15	-39.9	<=-27.85	PASS
	Ant1	High	2452	1.88	-40.31	<=-28.12	PASS

11.5.2. Test Graphs

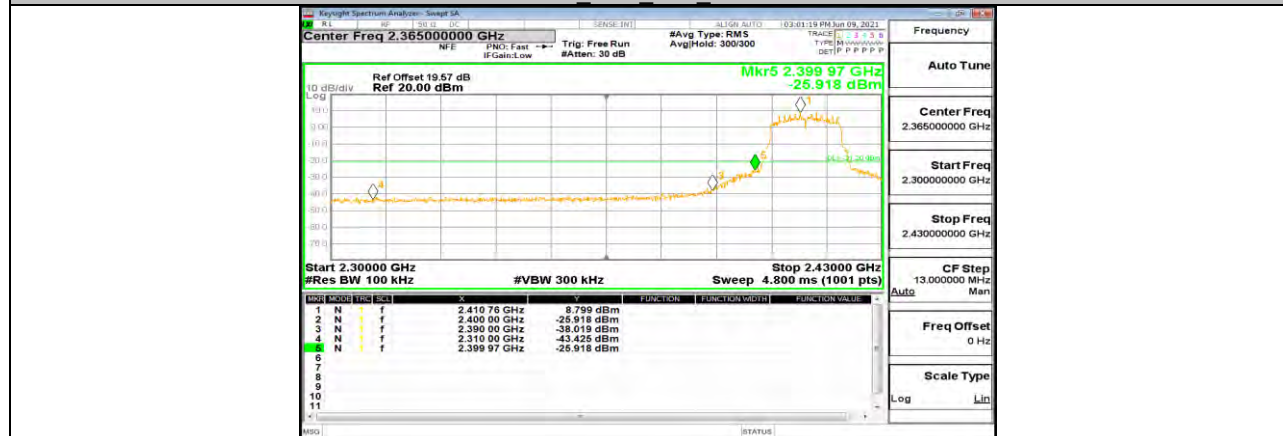




11B Ant2 High 2462

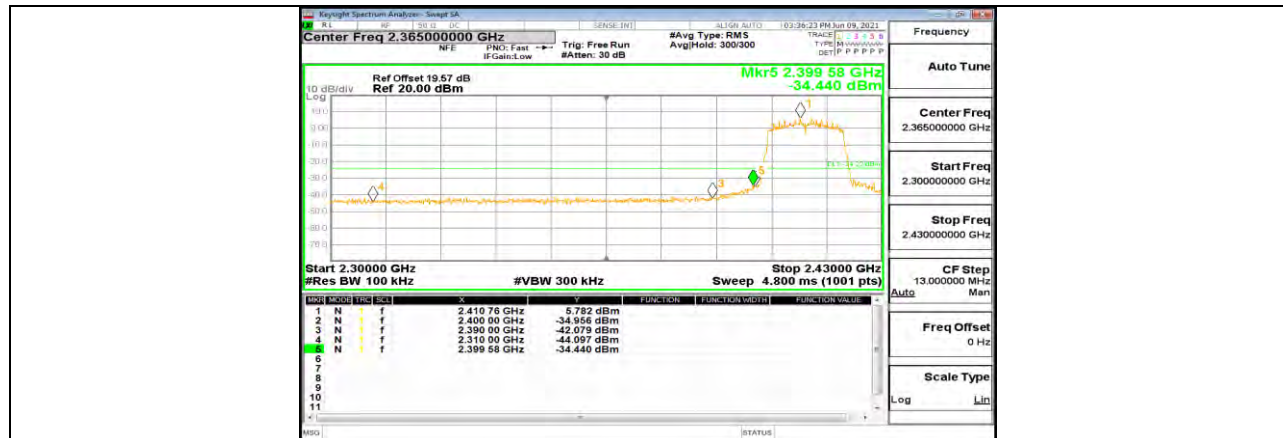


11G Ant1 Low 2412

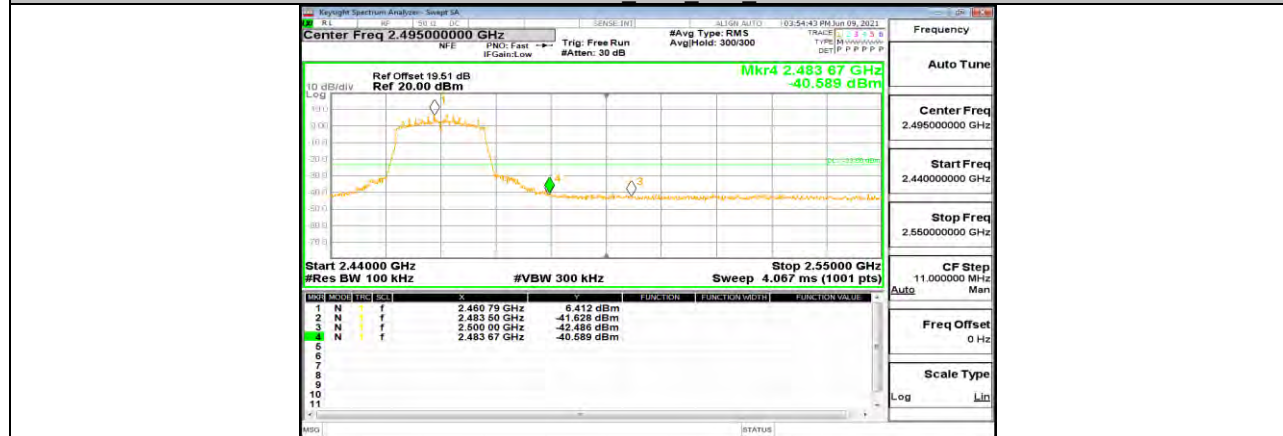


11G Ant2 Low 2412

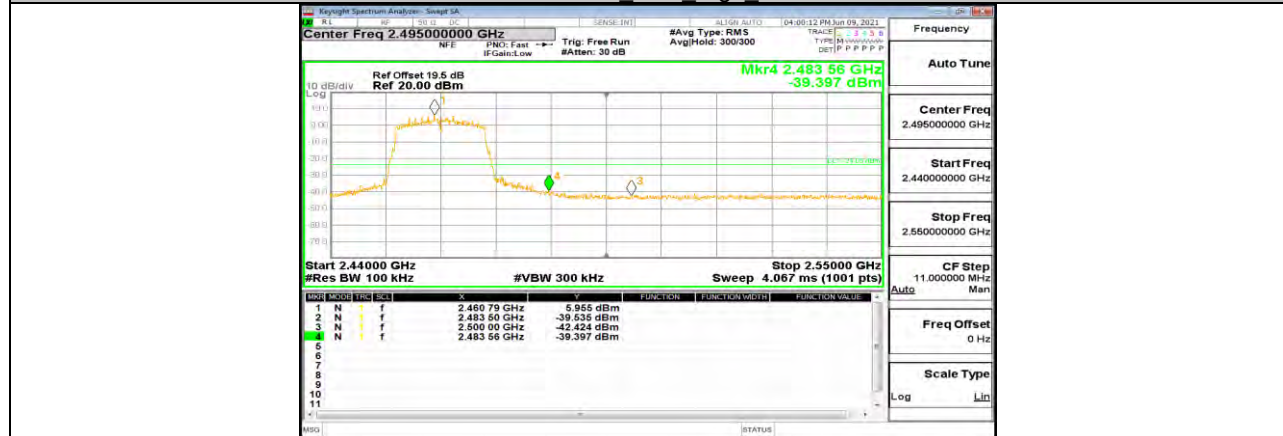




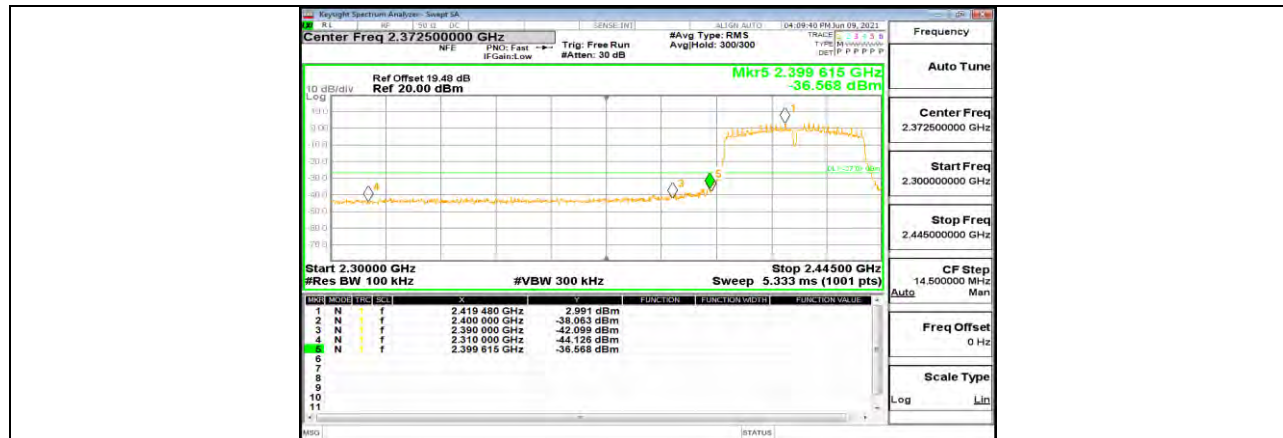
11N20MIMO Ant2 Low 2412



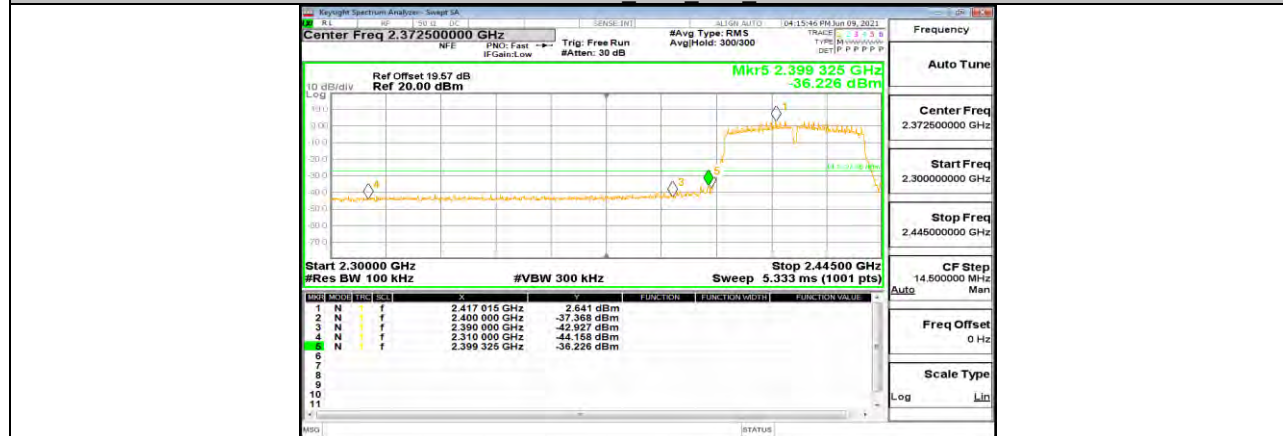
11N20MIMO Ant1 High 2462



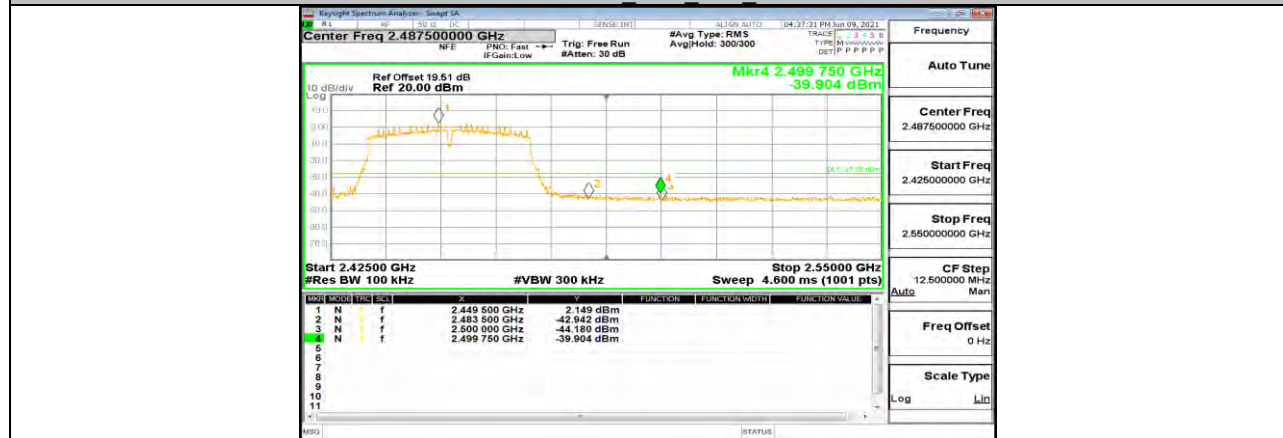
11N20MIMO Ant2 High 2462



11N40MIMO Ant1 Low 2422



11N40MIMO Ant2 Low 2422



11N40MIMO Ant1 High 2452



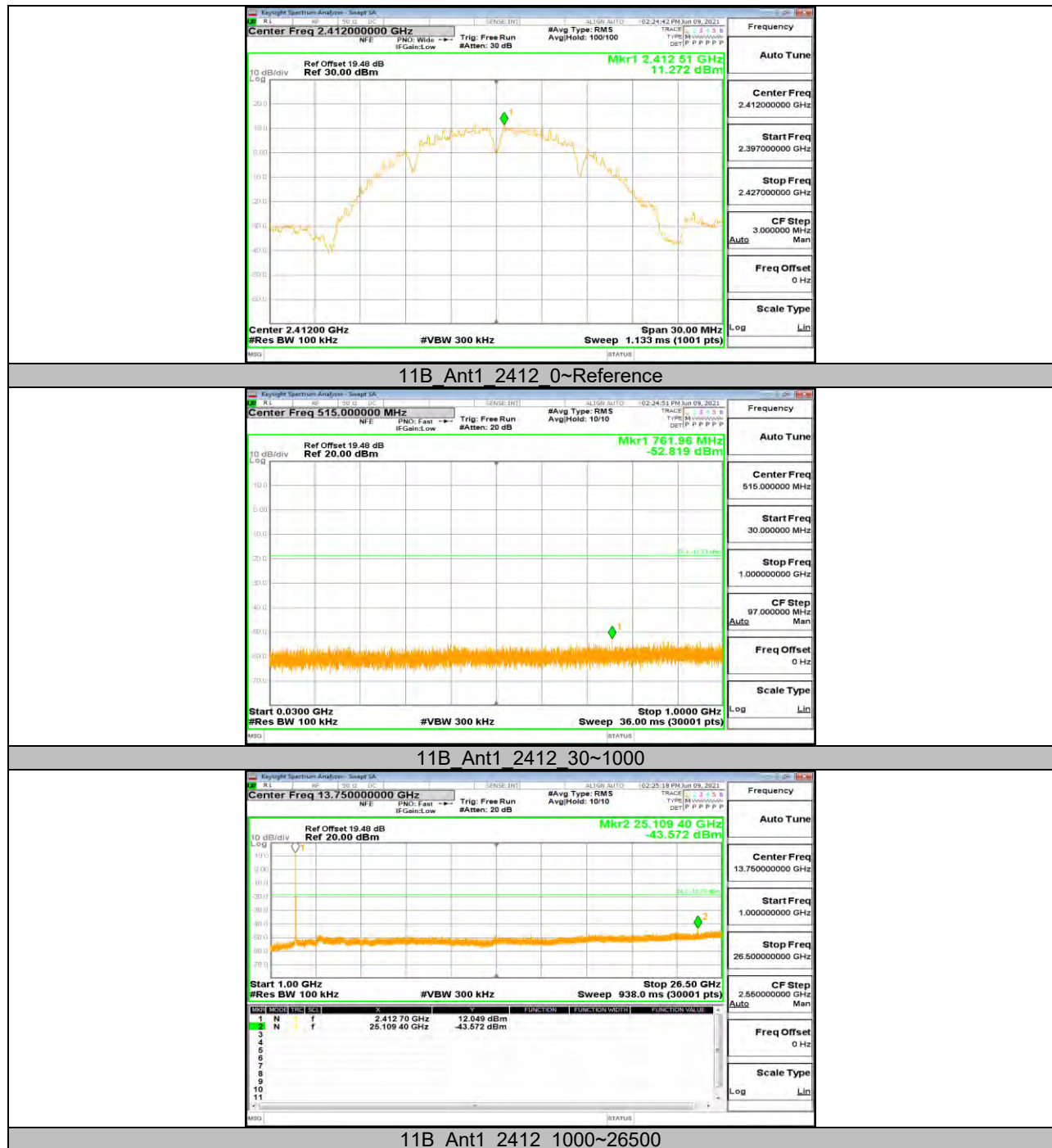
**11.6. Appendix F: Conducted Spurious Emission****11.6.1. Test Result**

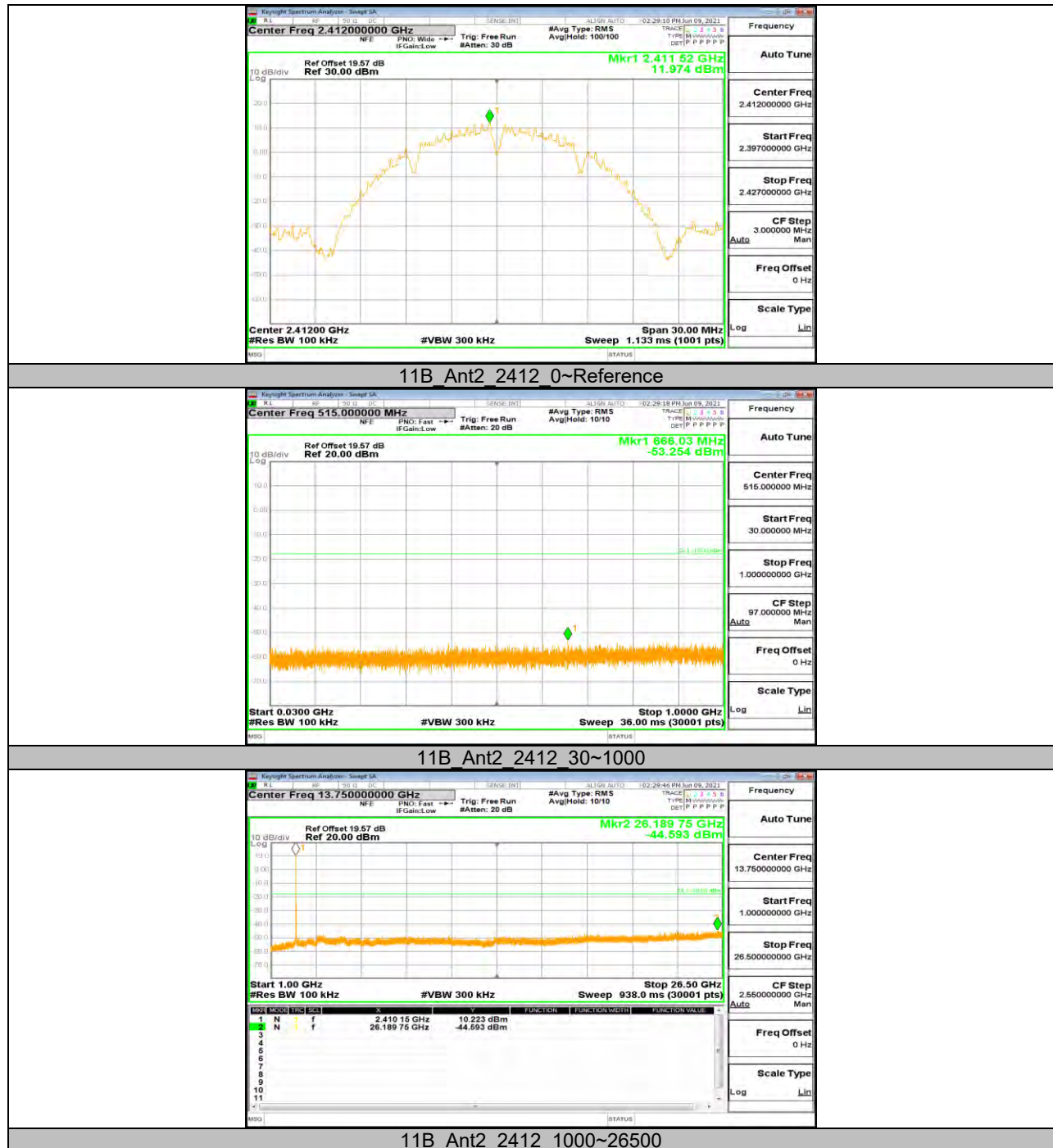
Test Mode	Antenna	Channel	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	2412	Reference	11.27	---	PASS
			30~1000	-52.82	<=-18.73	PASS
			1000~26500	-43.57	<=-18.73	PASS
	Ant1	2412	Reference	11.97	---	PASS
			30~1000	-53.25	<=-18.03	PASS
			1000~26500	-44.59	<=-18.03	PASS
	Ant0	2437	Reference	11.53	---	PASS
			30~1000	-53.37	<=-18.47	PASS
			1000~26500	-44.62	<=-18.47	PASS
	Ant1	2437	Reference	10.38	---	PASS
			30~1000	-53.32	<=-19.62	PASS
			1000~26500	-44.74	<=-19.62	PASS
	Ant0	2462	Reference	10.17	---	PASS
			30~1000	-53.54	<=-19.83	PASS
			1000~26500	-44.42	<=-19.83	PASS
	Ant1	2462	Reference	10.23	---	PASS
			30~1000	-53.64	<=-19.77	PASS
			1000~26500	-43.79	<=-19.77	PASS
11G	Ant0	2412	Reference	9.05	---	PASS
			30~1000	-53.35	<=-20.96	PASS
			1000~26500	-43.66	<=-20.96	PASS
	Ant1	2412	Reference	7.51	---	PASS
			30~1000	-53.14	<=-22.49	PASS
			1000~26500	-44.44	<=-22.49	PASS
	Ant0	2437	Reference	10.25	---	PASS
			30~1000	-52.16	<=-19.75	PASS
			1000~26500	-44.48	<=-19.75	PASS
	Ant1	2437	Reference	9.12	---	PASS
			30~1000	-53.22	<=-20.88	PASS
			1000~26500	-43.92	<=-20.88	PASS
	Ant0	2462	Reference	5.75	---	PASS
			30~1000	-53.11	<=-24.26	PASS
			1000~26500	-44.69	<=-24.26	PASS
	Ant1	2462	Reference	6.92	---	PASS
			30~1000	-53.6	<=-23.08	PASS
			1000~26500	-44.72	<=-23.08	PASS
11N20MIMO	Ant0	2412	Reference	4.96	---	PASS
			30~1000	-53.56	<=-25.04	PASS
			1000~26500	-44.38	<=-25.04	PASS
	Ant1	2412	Reference	5.14	---	PASS
			30~1000	-53.57	<=-24.86	PASS
			1000~26500	-43.92	<=-24.86	PASS
	Ant0	2437	Reference	5.51	---	PASS
			30~1000	-53.43	<=-24.49	PASS
			1000~26500	-45.32	<=-24.49	PASS
	Ant1	2437	Reference	4.52	---	PASS
			30~1000	-53.5	<=-25.48	PASS
			1000~26500	-44.34	<=-25.48	PASS
	Ant0	2462	Reference	6.48	---	PASS
			30~1000	-53.42	<=-23.52	PASS
			1000~26500	-44.79	<=-23.52	PASS
	Ant1	2462	Reference	5.02	---	PASS
			30~1000	-53.33	<=-24.98	PASS

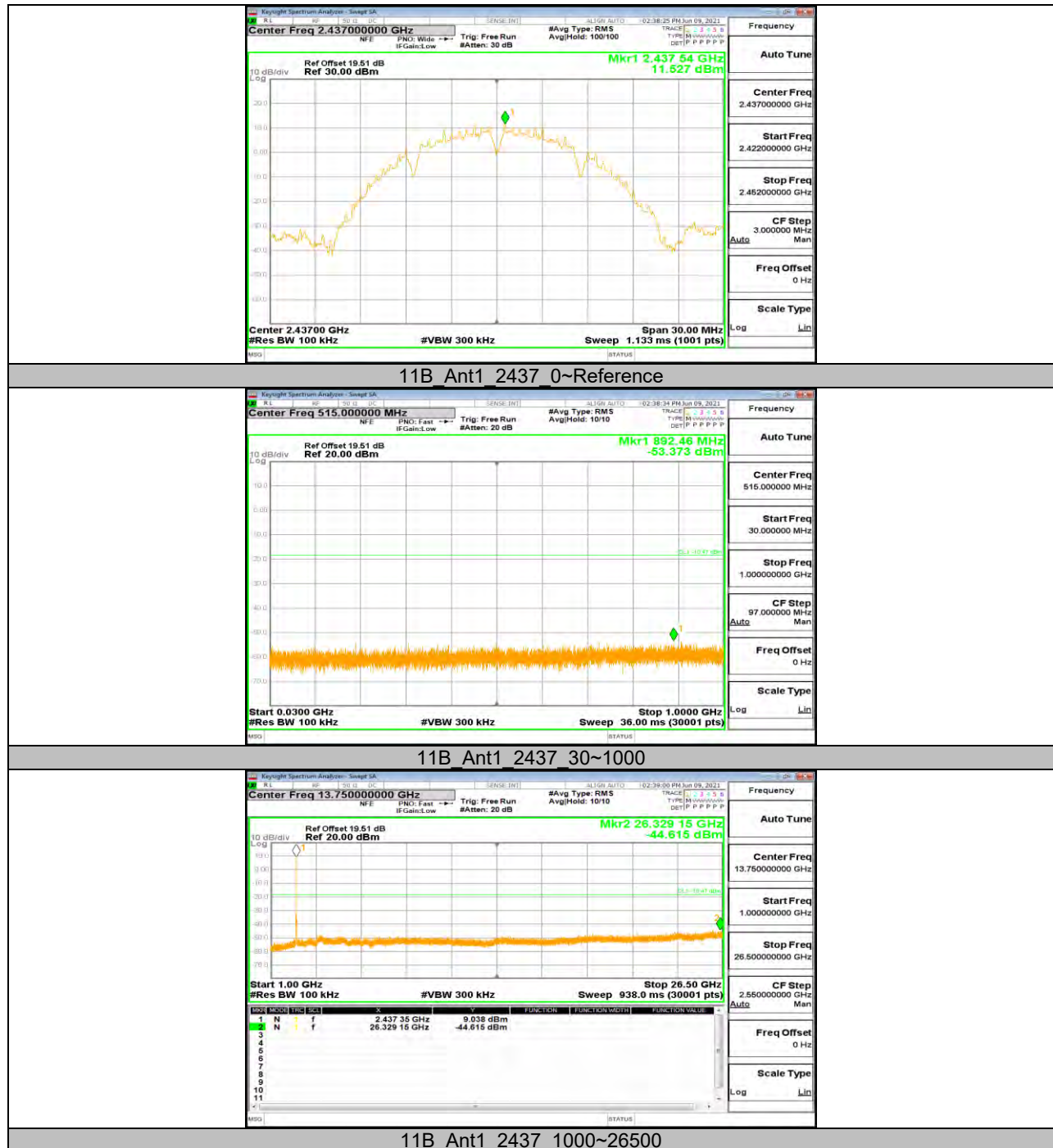


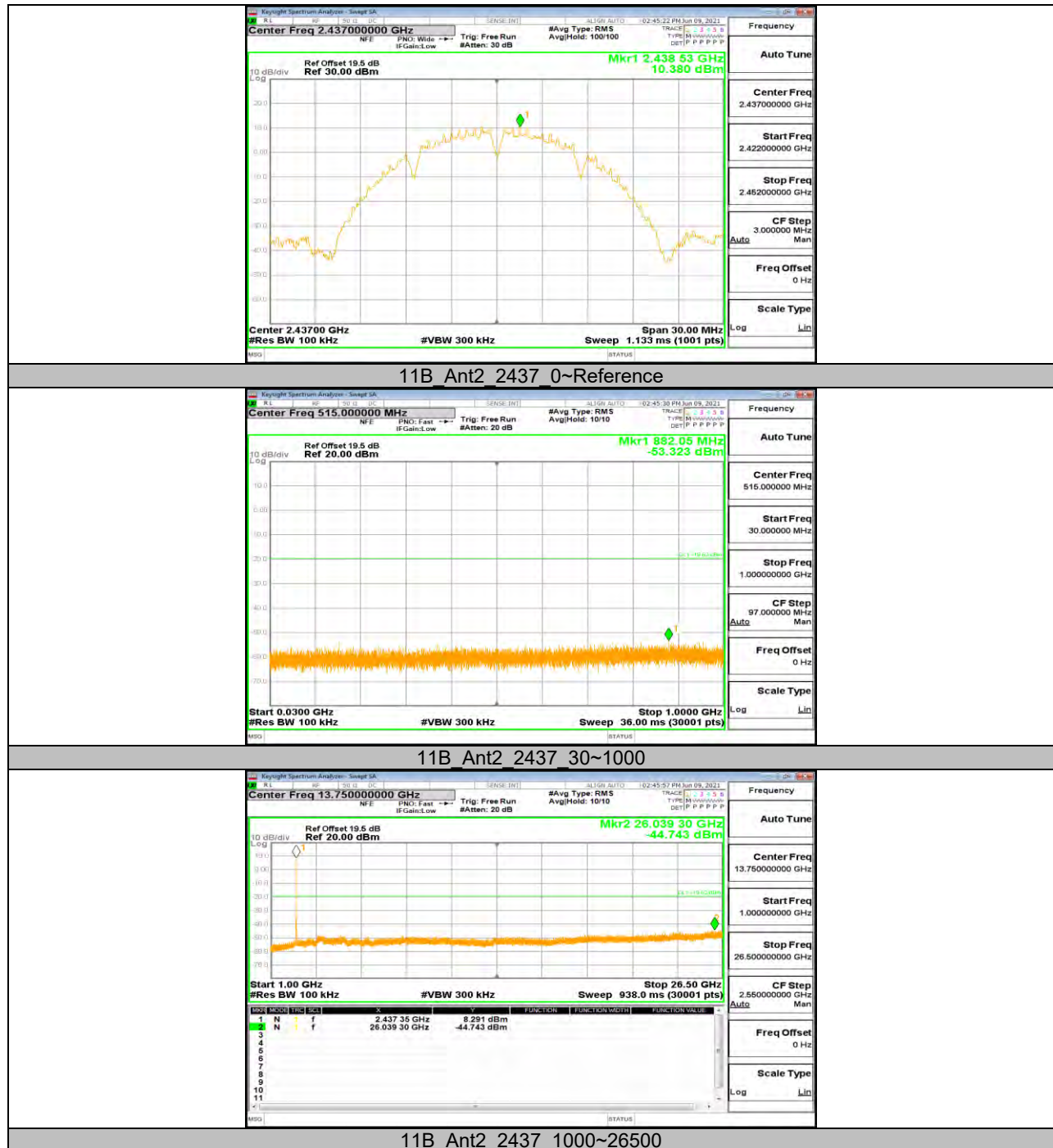
			1000~26500	-44.95	<=-24.98	PASS
11N40MIMO	Ant0	2422	Reference	2.74	---	PASS
			30~1000	-50.37	<=-27.26	PASS
			1000~26500	-44.51	<=-27.26	PASS
	Ant1	2422	Reference	2.31	---	PASS
			30~1000	-53.81	<=-27.69	PASS
			1000~26500	-43.47	<=-27.69	PASS
	Ant0	2437	Reference	3.65	---	PASS
			30~1000	-51.19	<=-26.35	PASS
			1000~26500	-44.49	<=-26.35	PASS
	Ant1	2437	Reference	3.53	---	PASS
			30~1000	-52.54	<=-26.48	PASS
			1000~26500	-44.89	<=-26.48	PASS
	Ant0	2452	Reference	1.65	---	PASS
			30~1000	-51.42	<=-28.35	PASS
			1000~26500	-44.28	<=-28.35	PASS
	Ant1	2452	Reference	1.60	---	PASS
			30~1000	-52.34	<=-28.4	PASS
			1000~26500	-44.81	<=-28.4	PASS

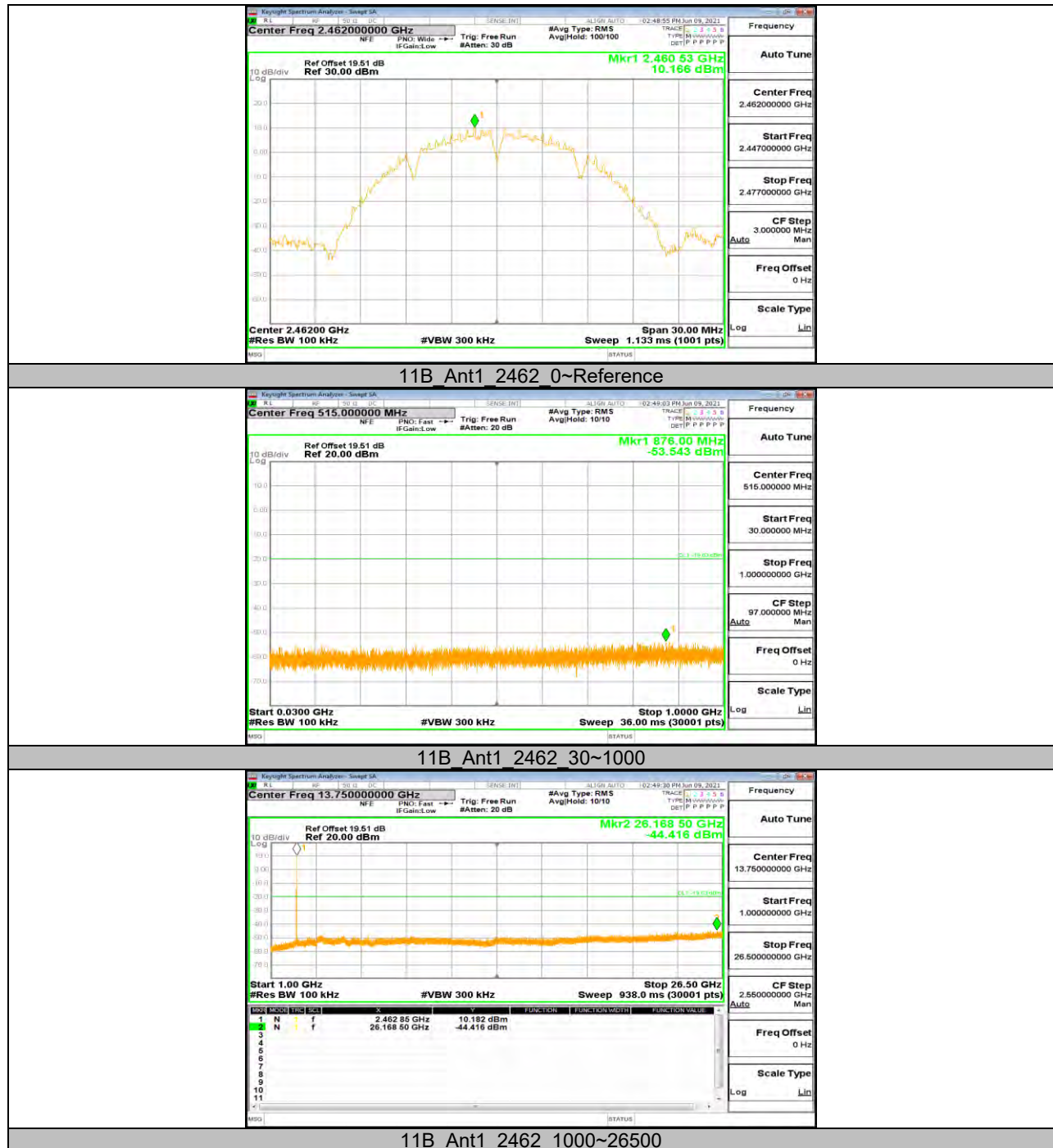
11.6.2. Test Graphs

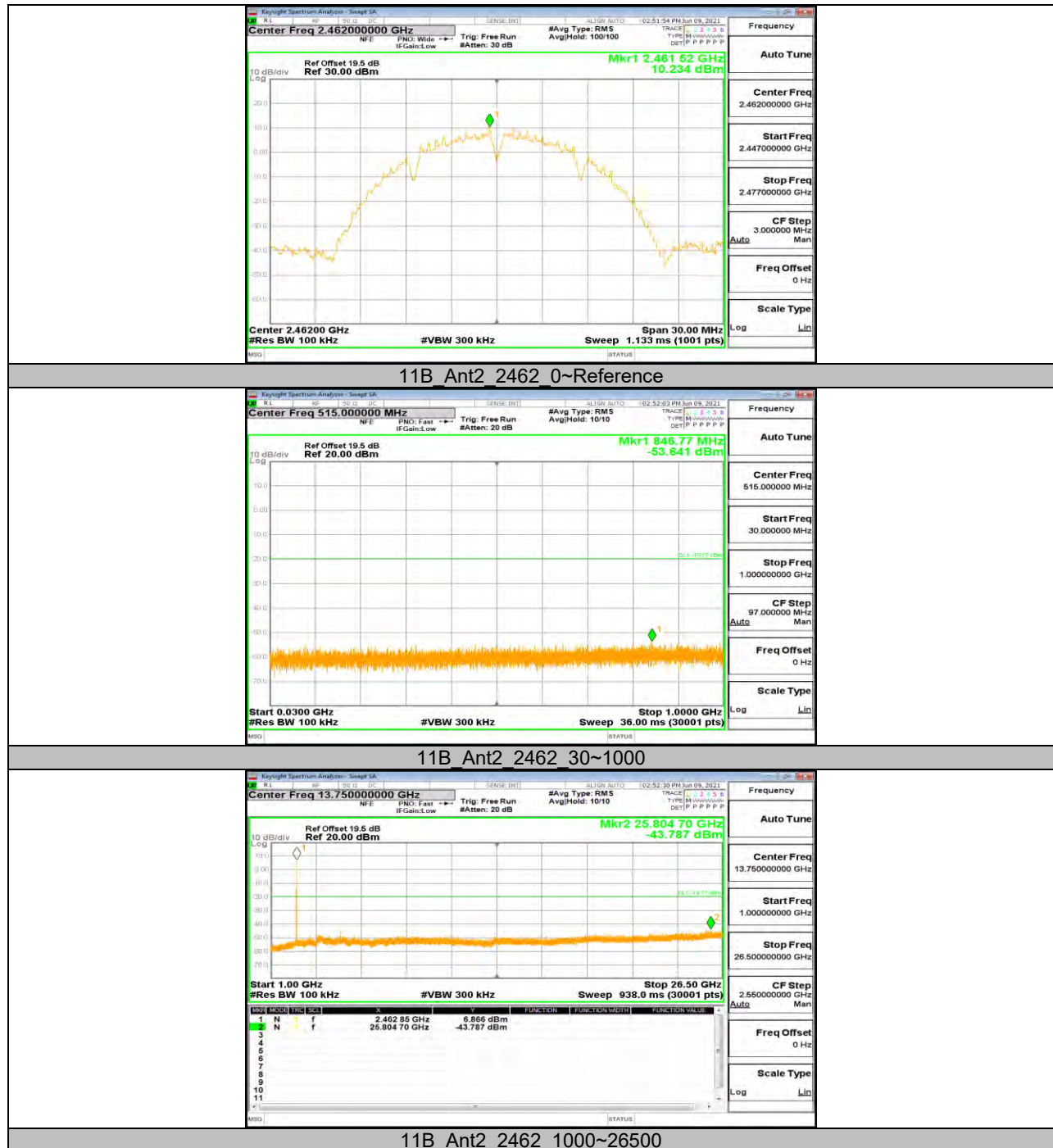








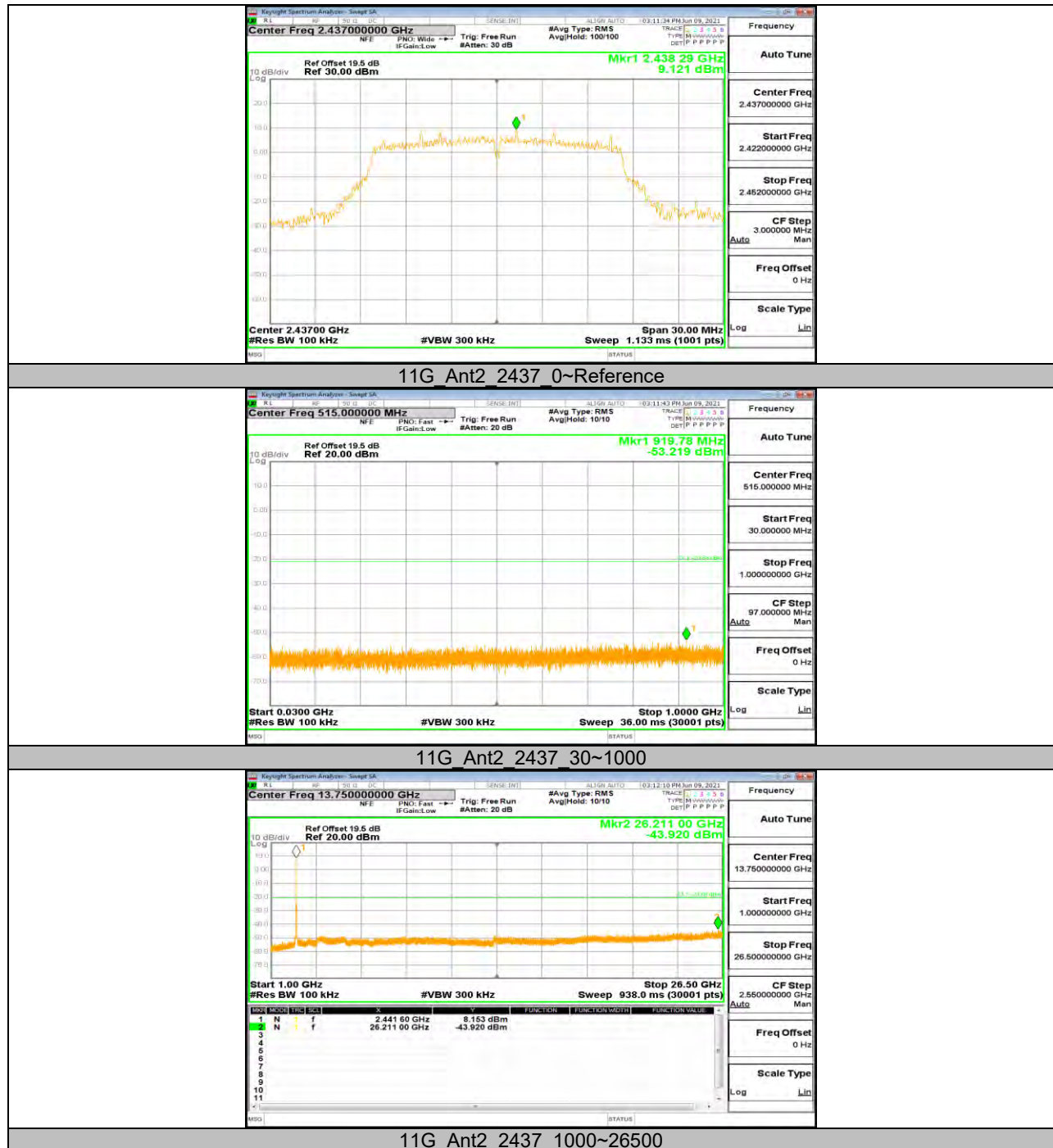


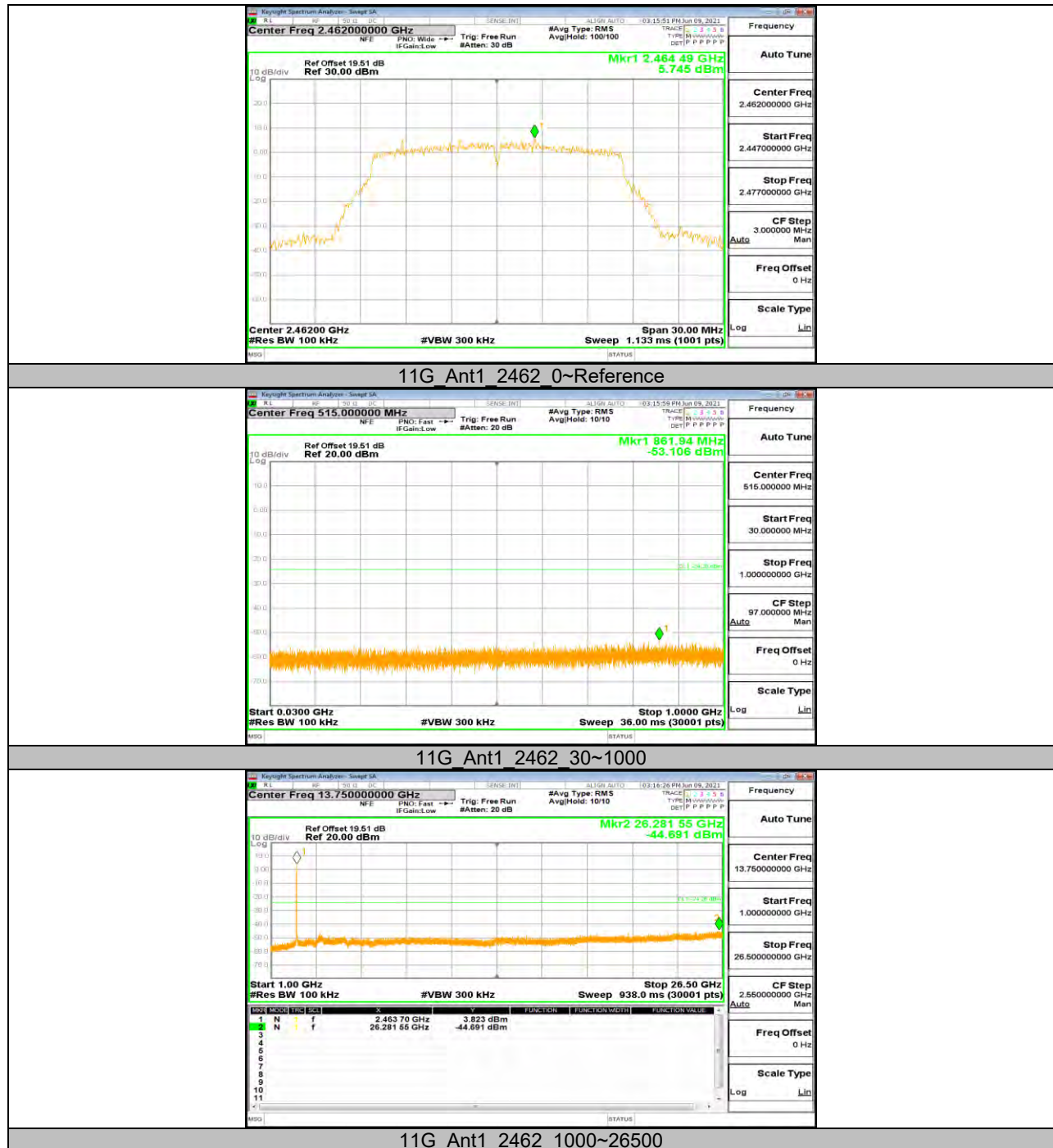


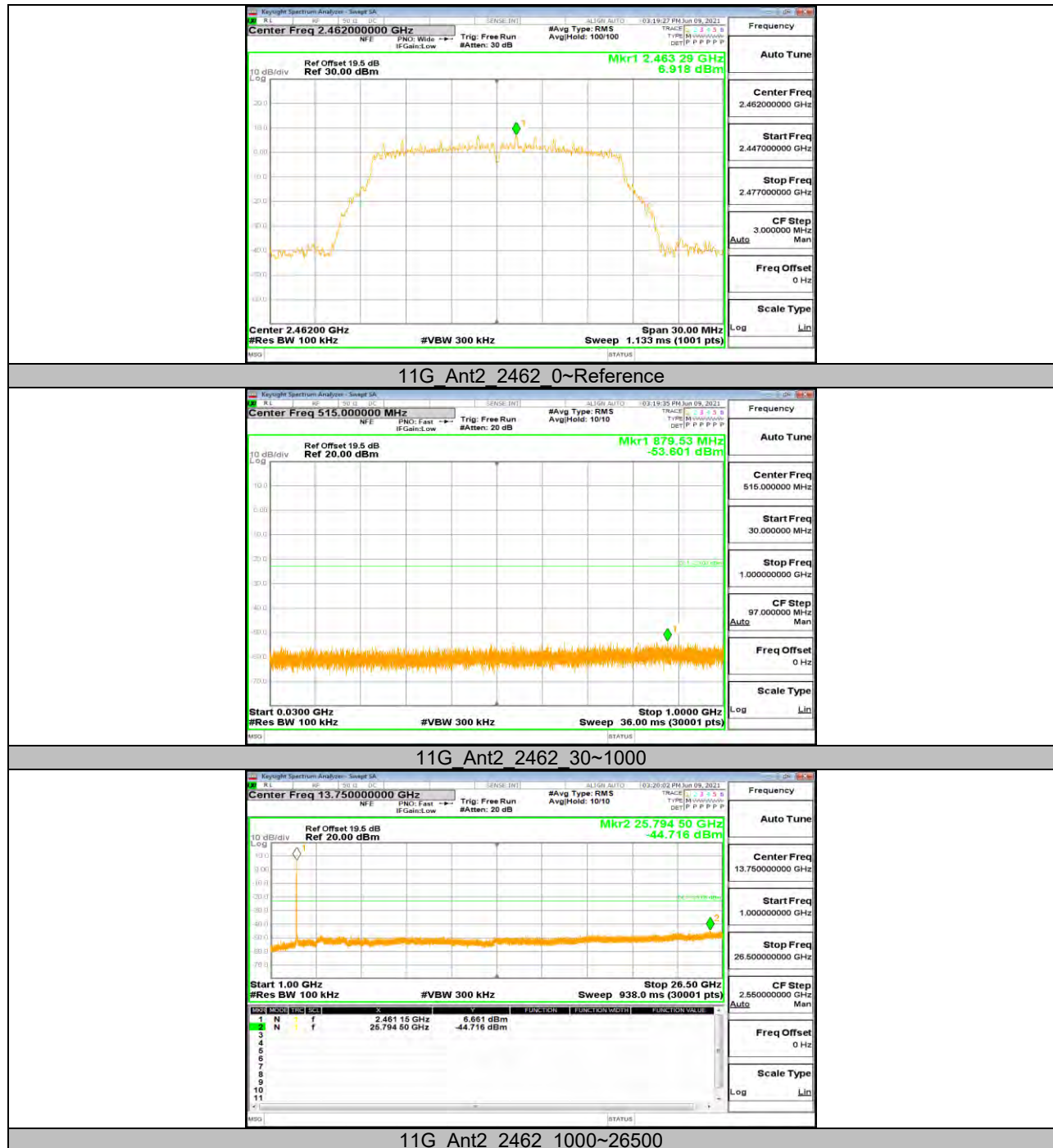




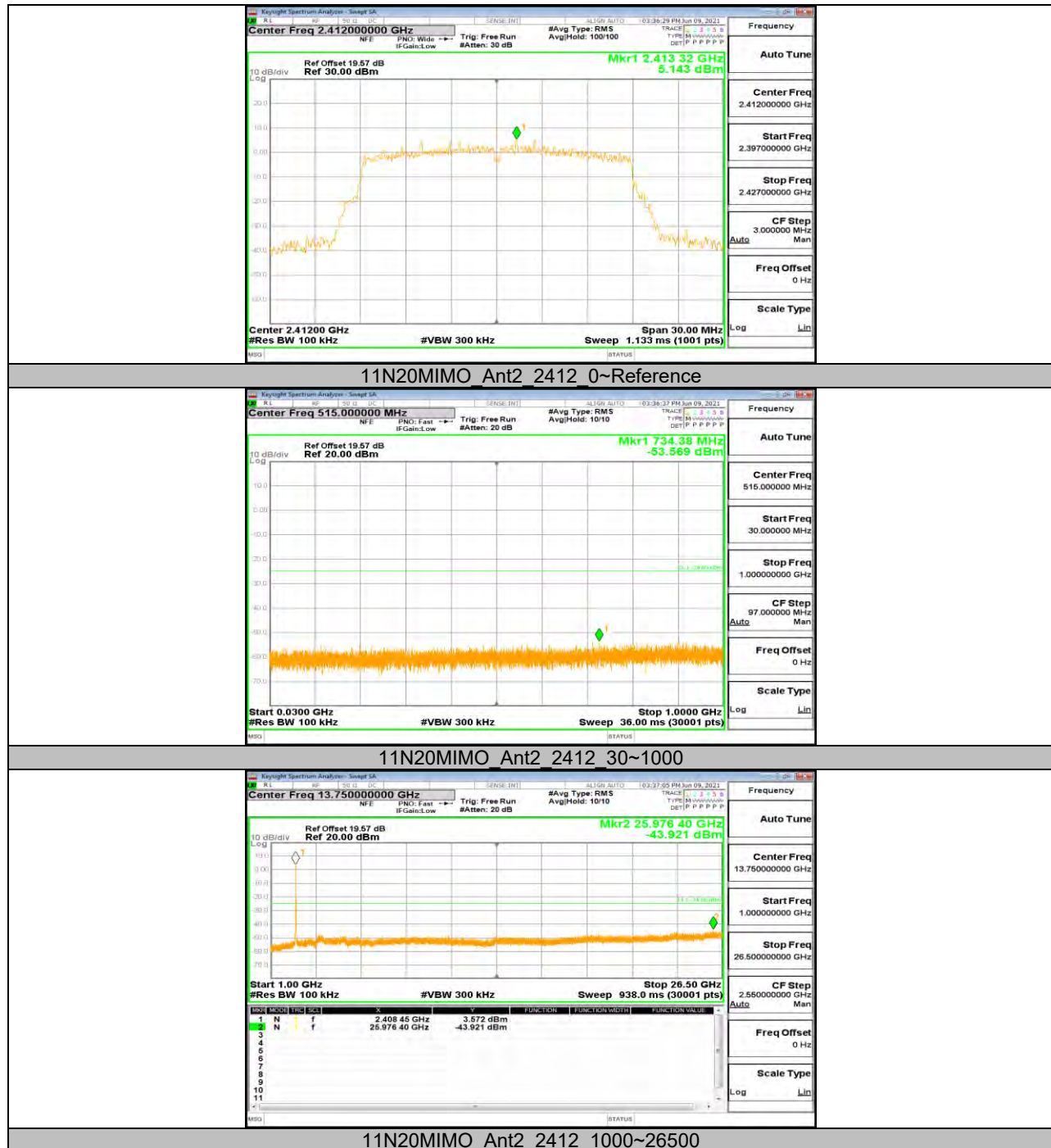


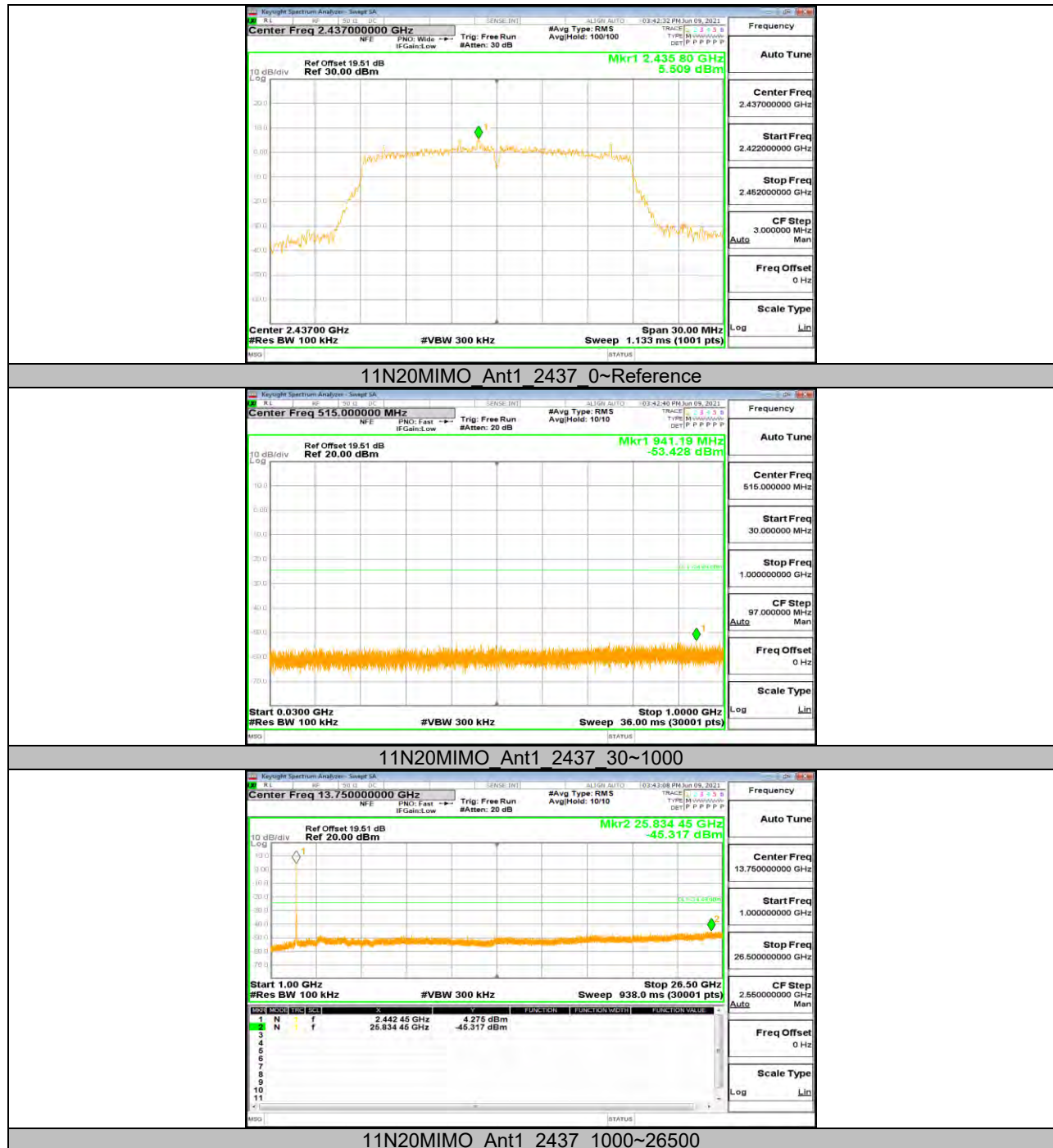




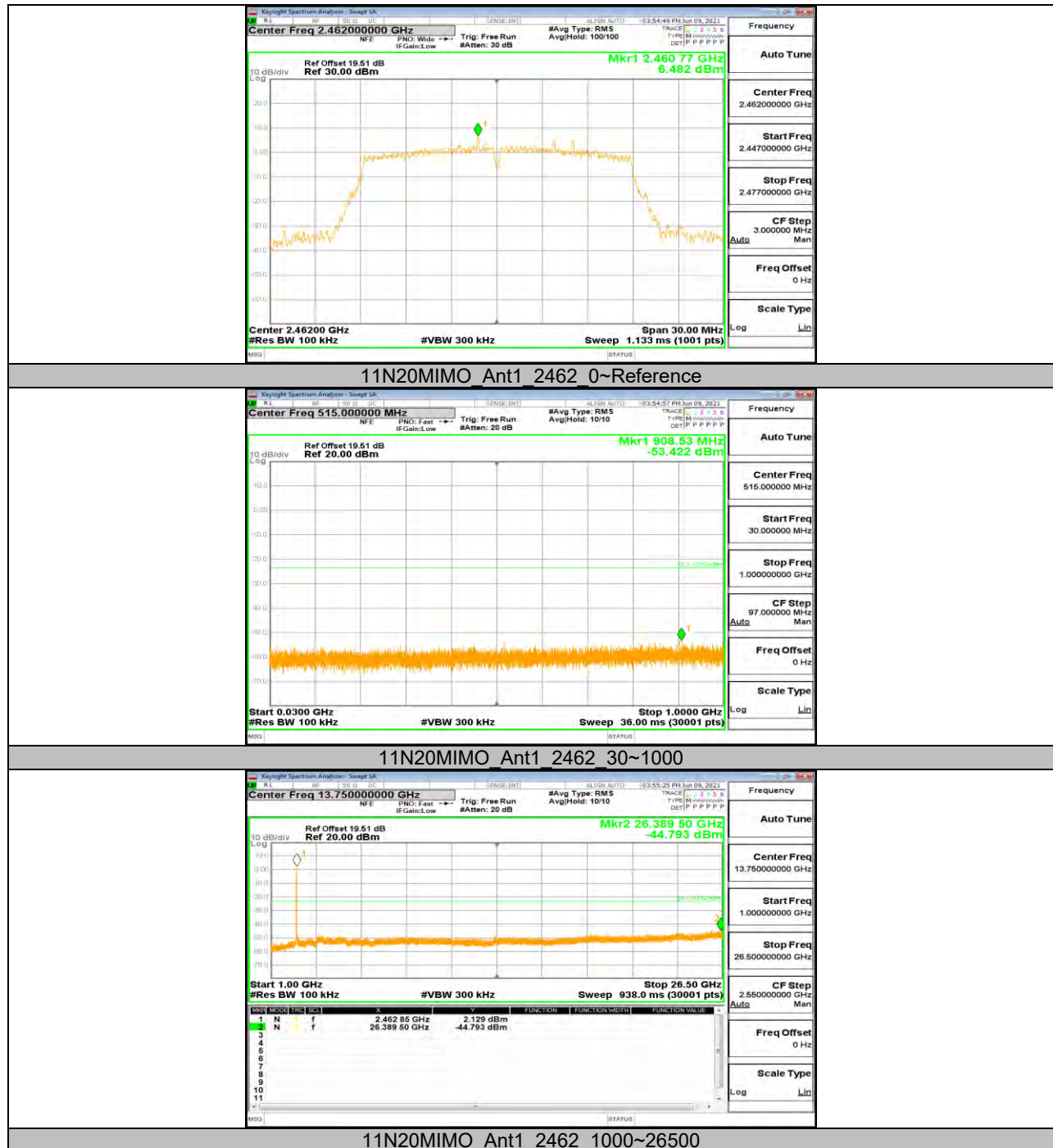


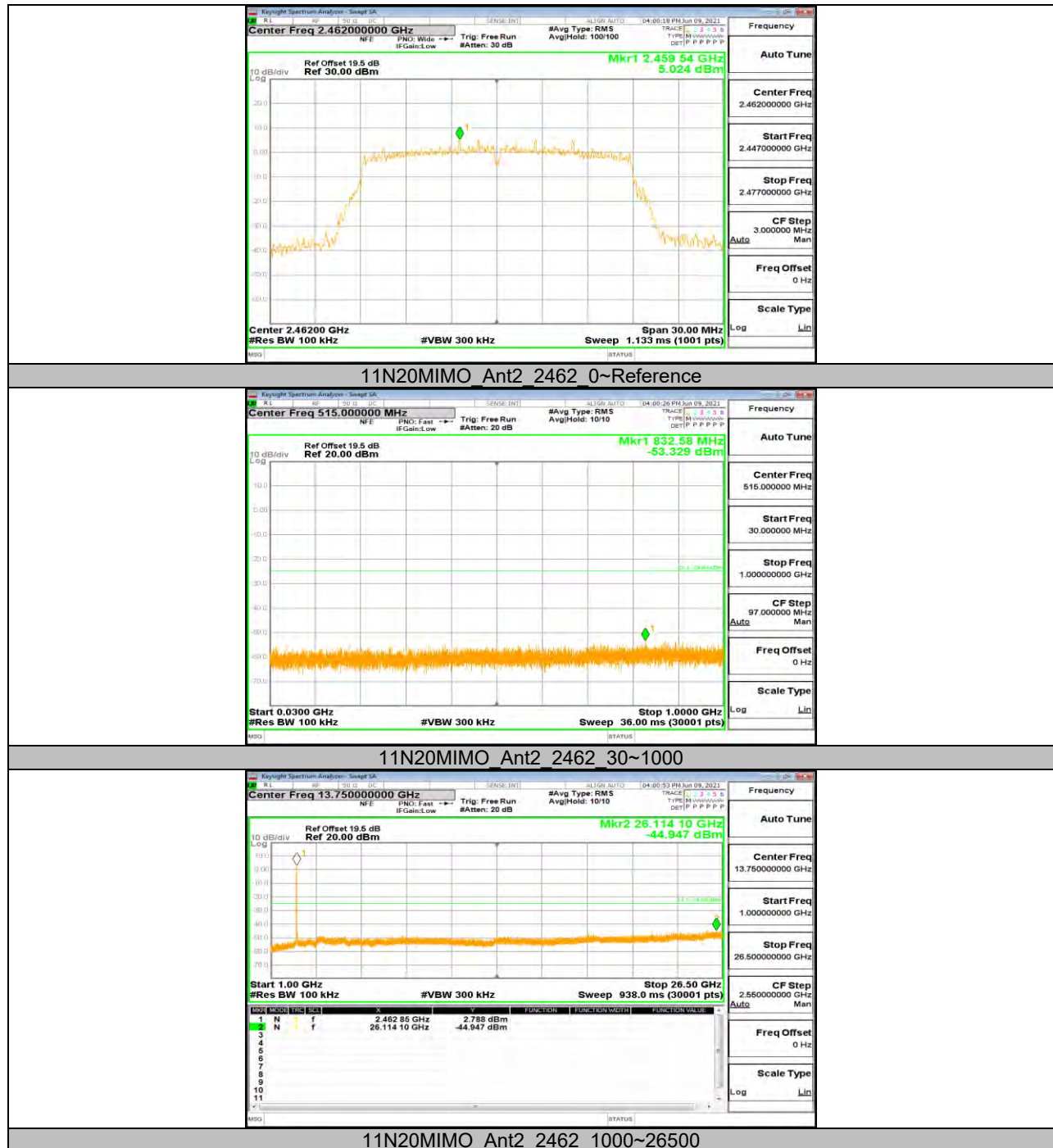


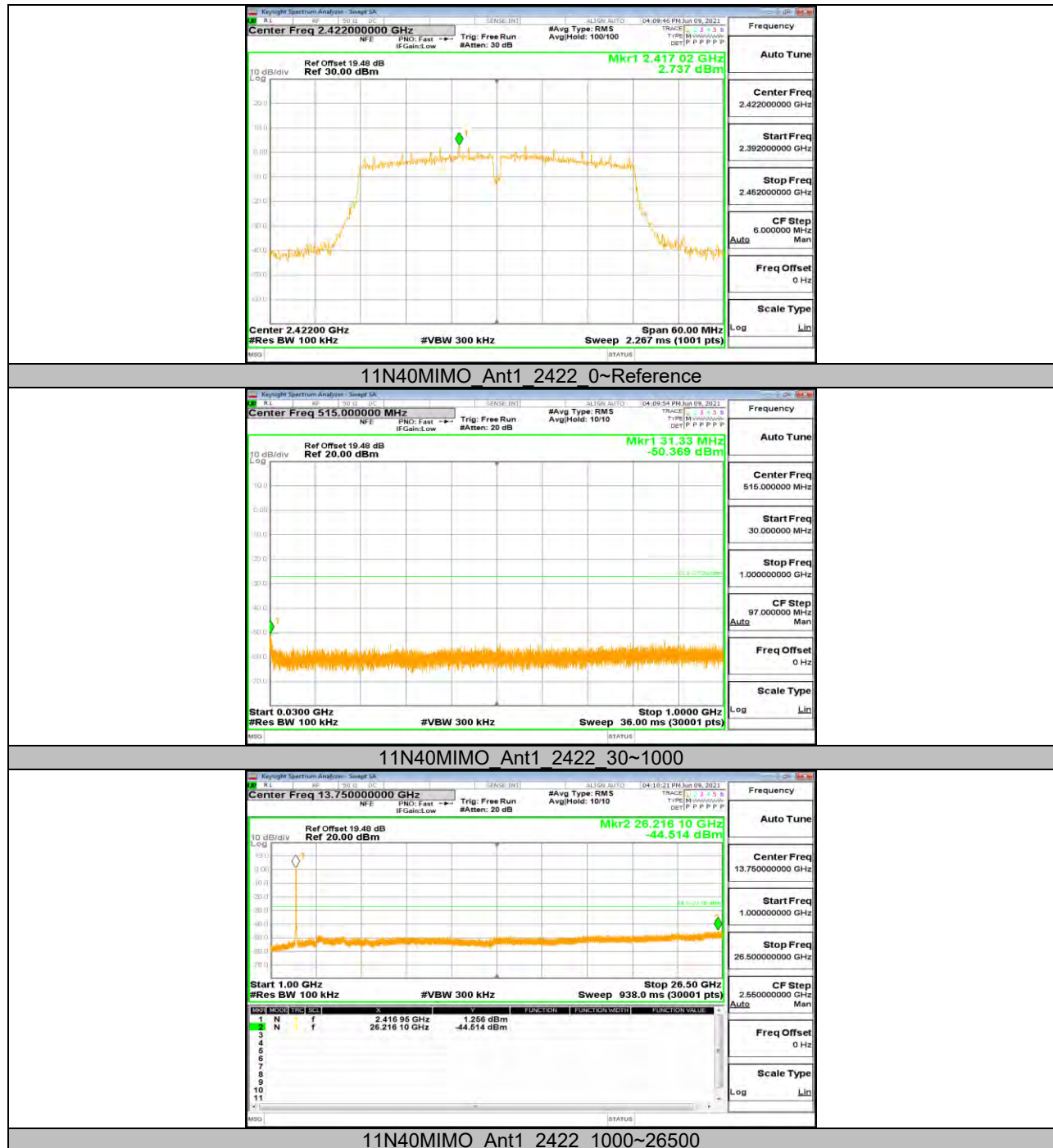


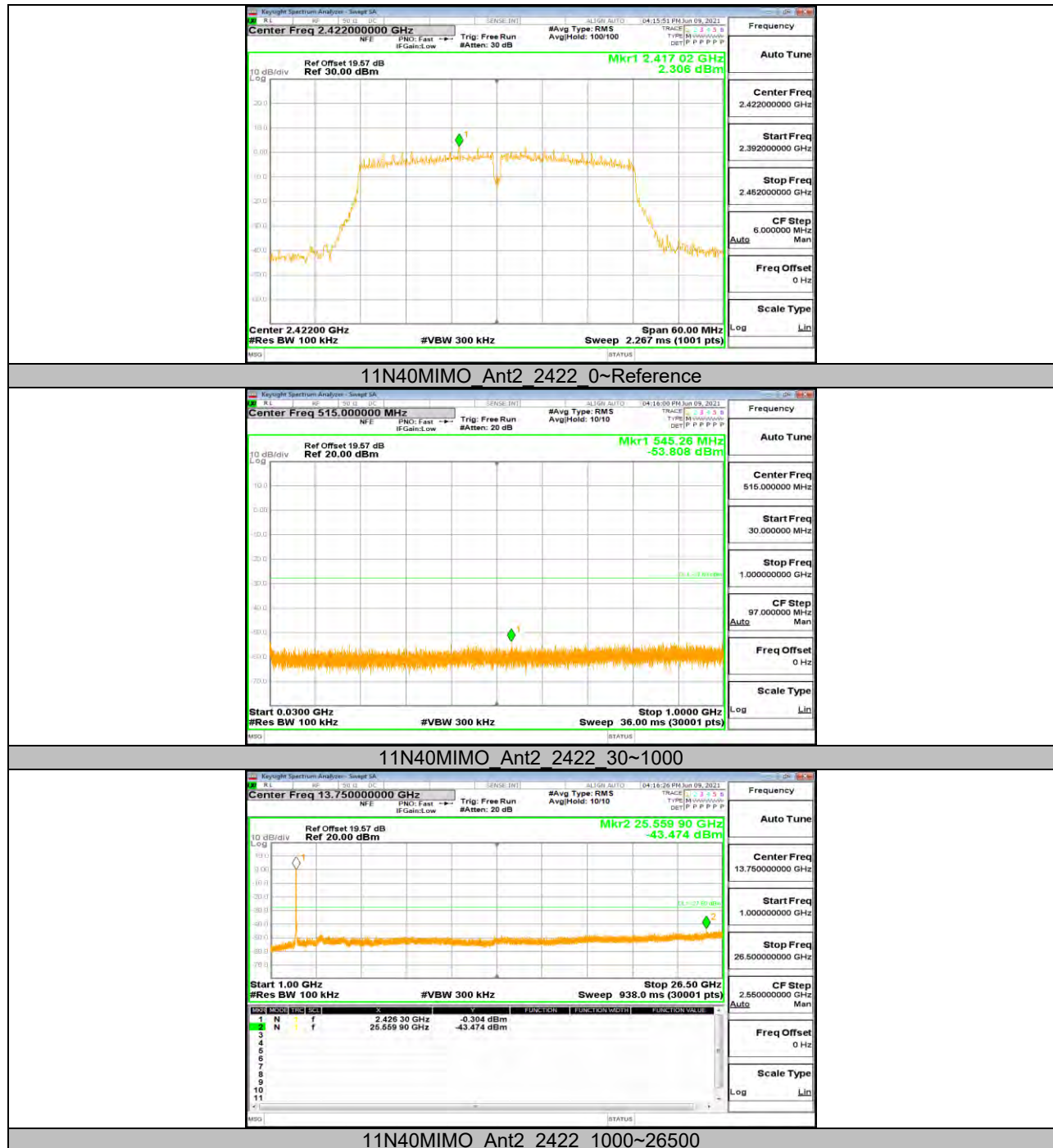


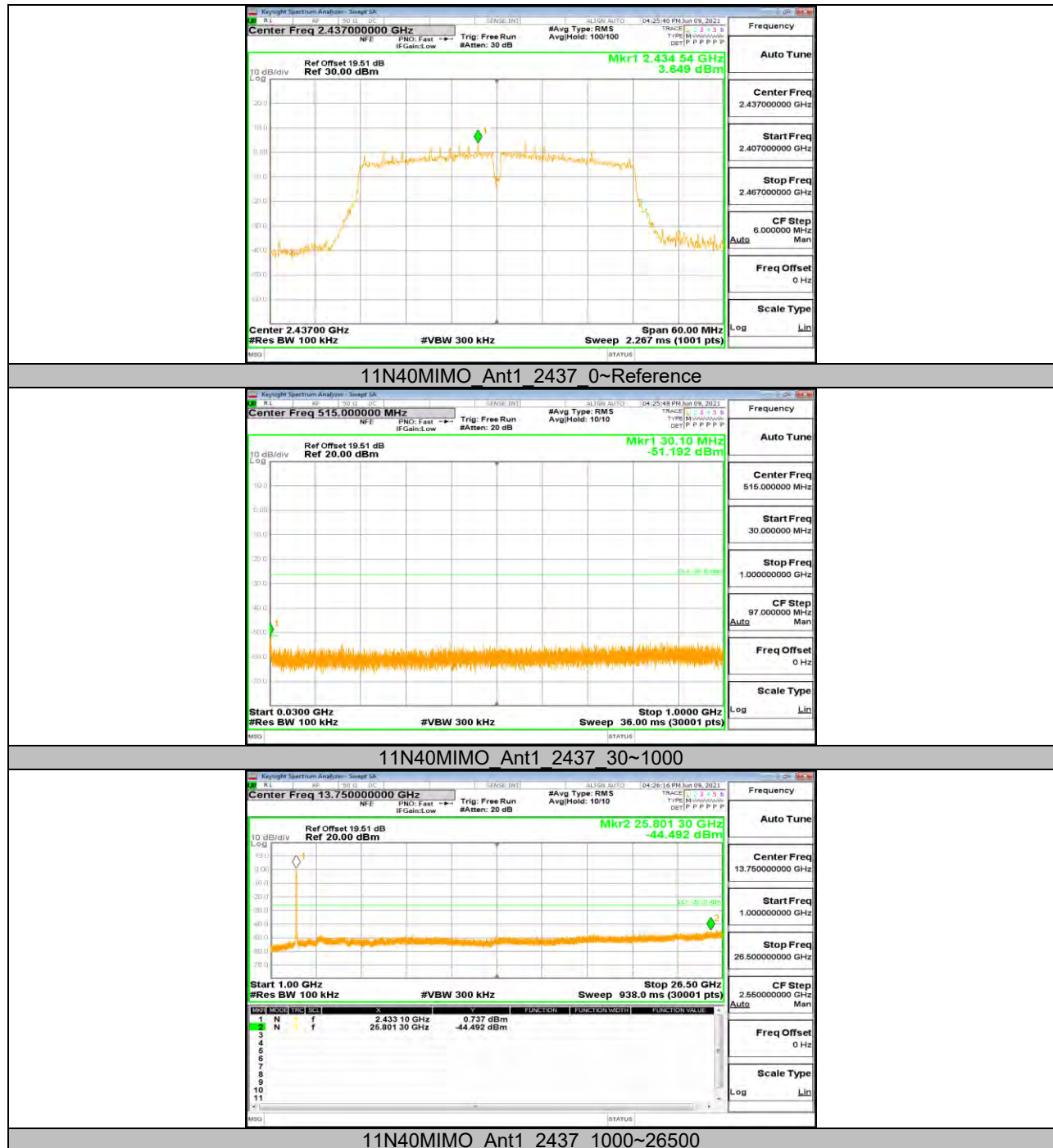




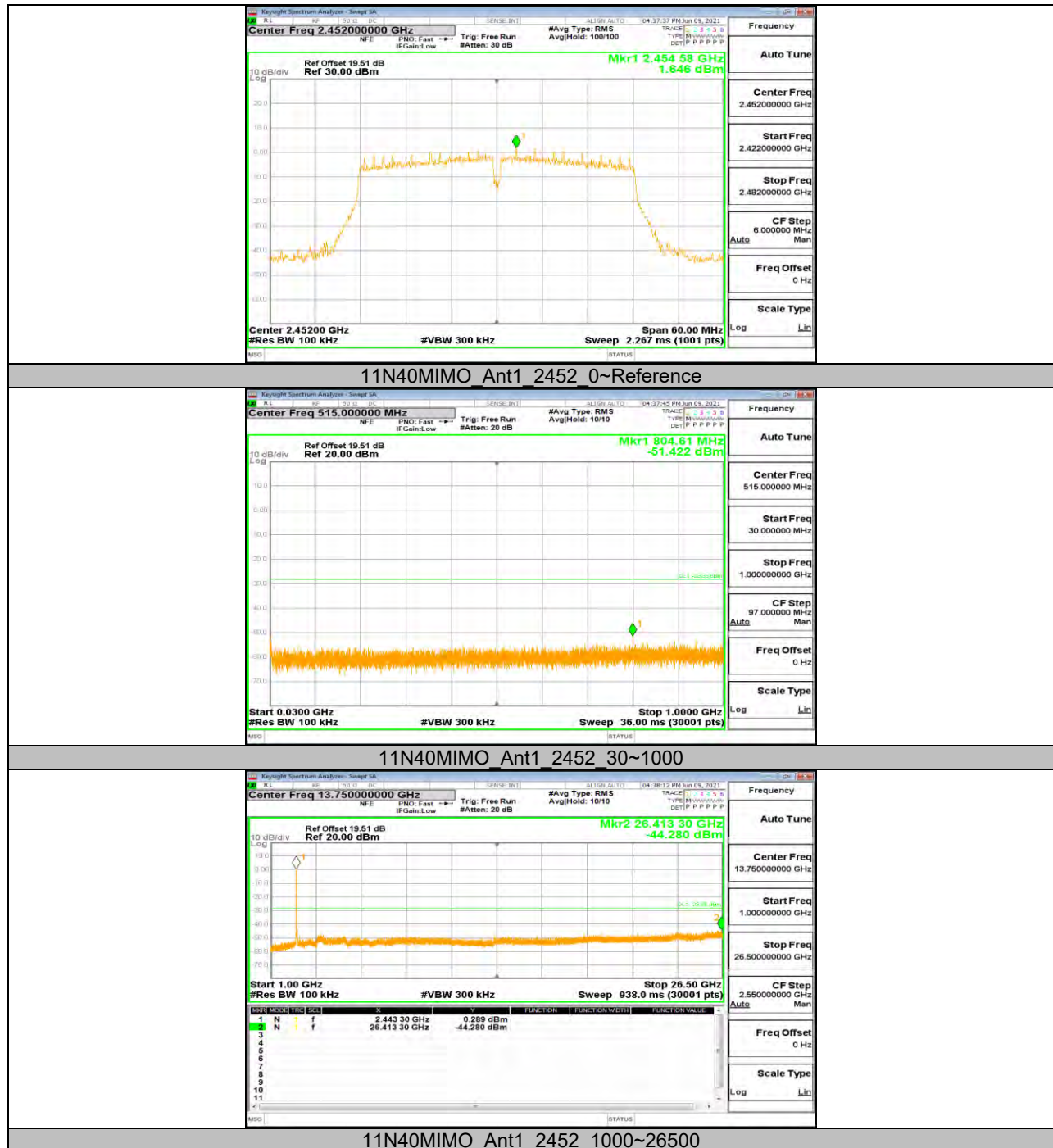
















11.7. Appendix G: Duty Cycle

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	8.38	8.42	0.9952	99.52	0.02	0.12	0.01
11G	1.39	1.44	0.9653	96.53	0.15	0.72	1
11N20MIMO	1.30	1.35	0.9630	96.30	0.16	0.77	1
11N40MIMO	0.65	0.69	0.9420	94.20	0.26	1.54	2

Note:

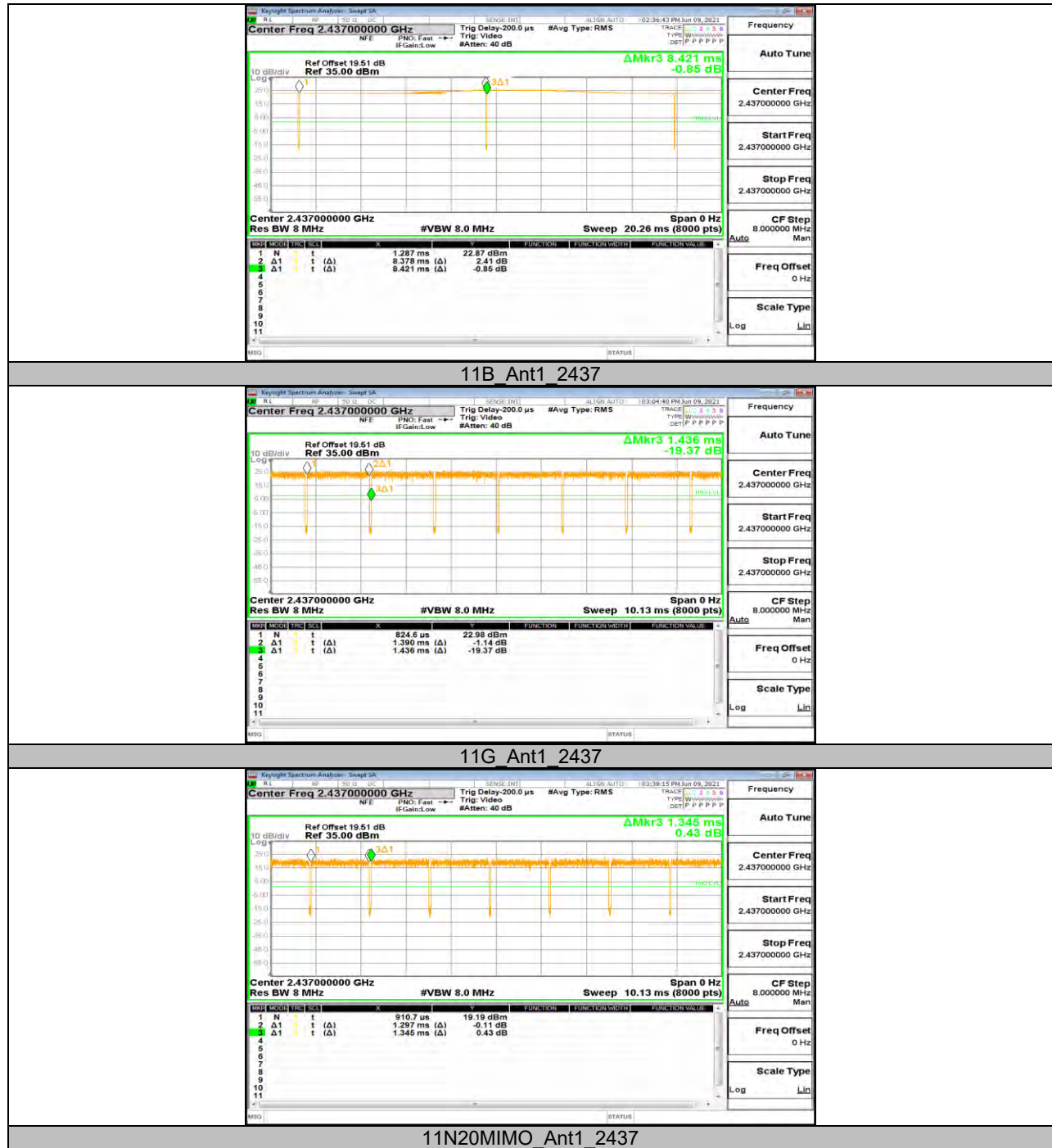
Duty Cycle Correction Factor= $10\log(1/x)$.

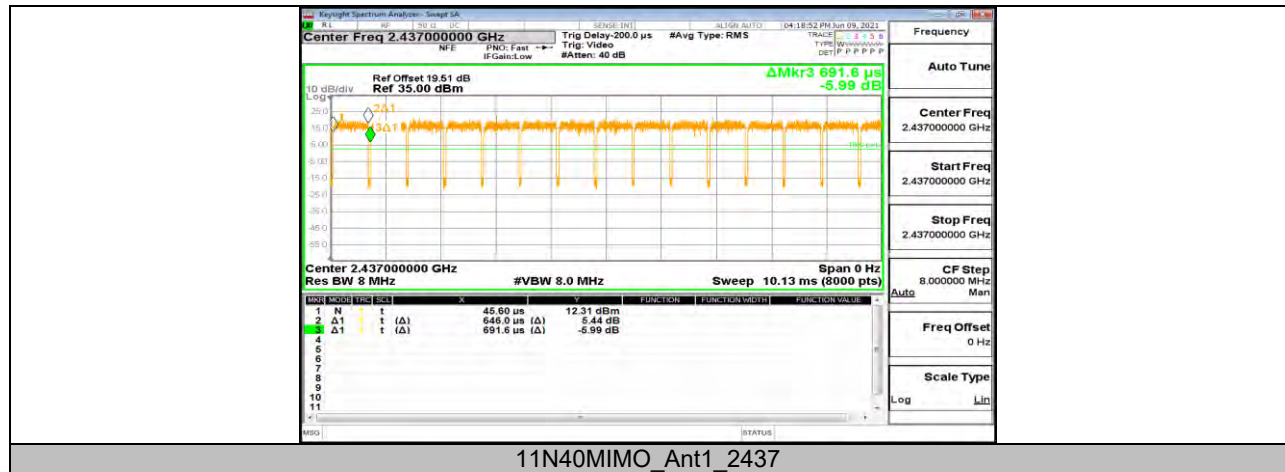
Where: x is Duty Cycle (Linear)

Where: T is On Time

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

11.7.2. Test Graphs





END OF REPORT