













**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

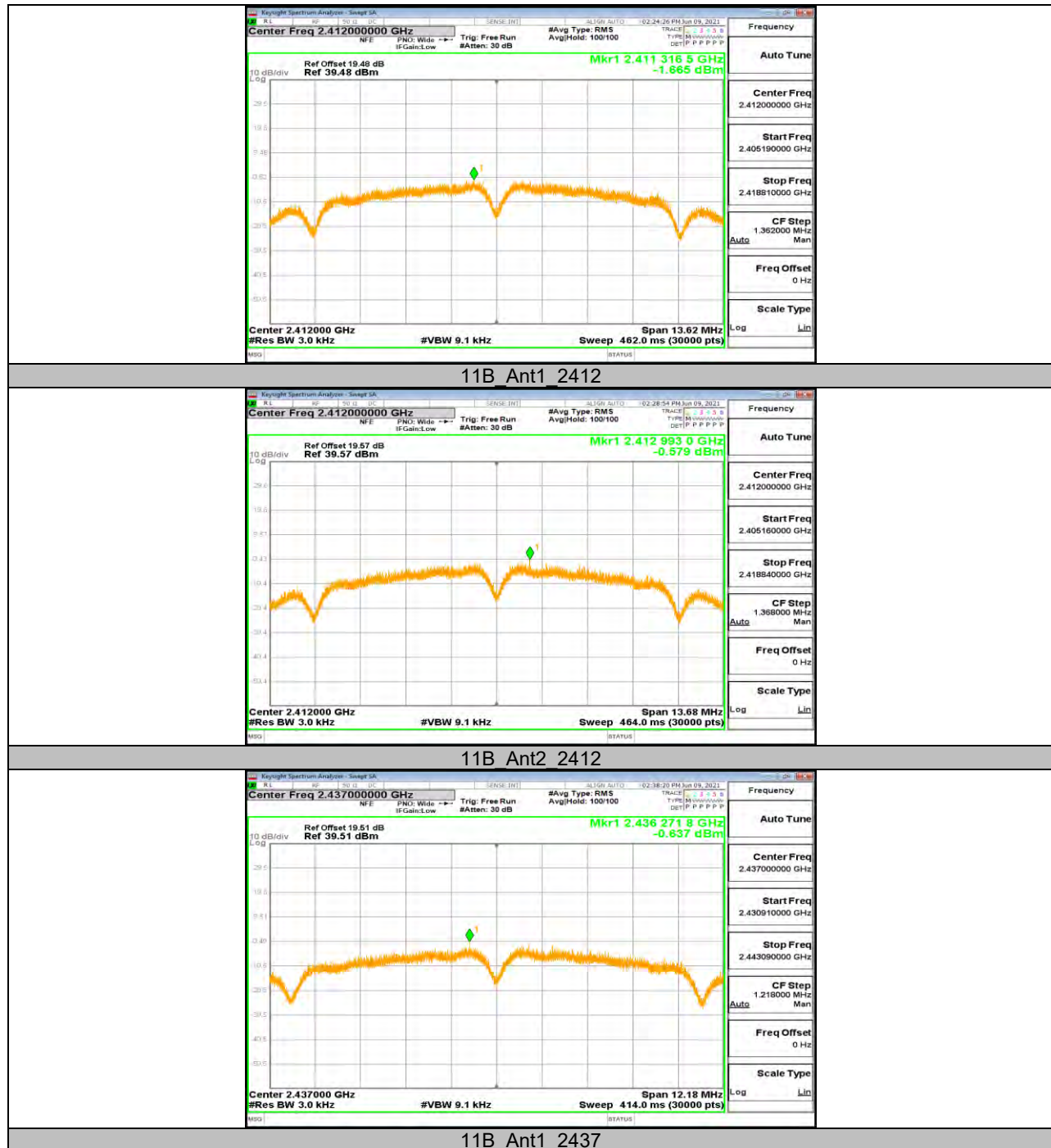
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

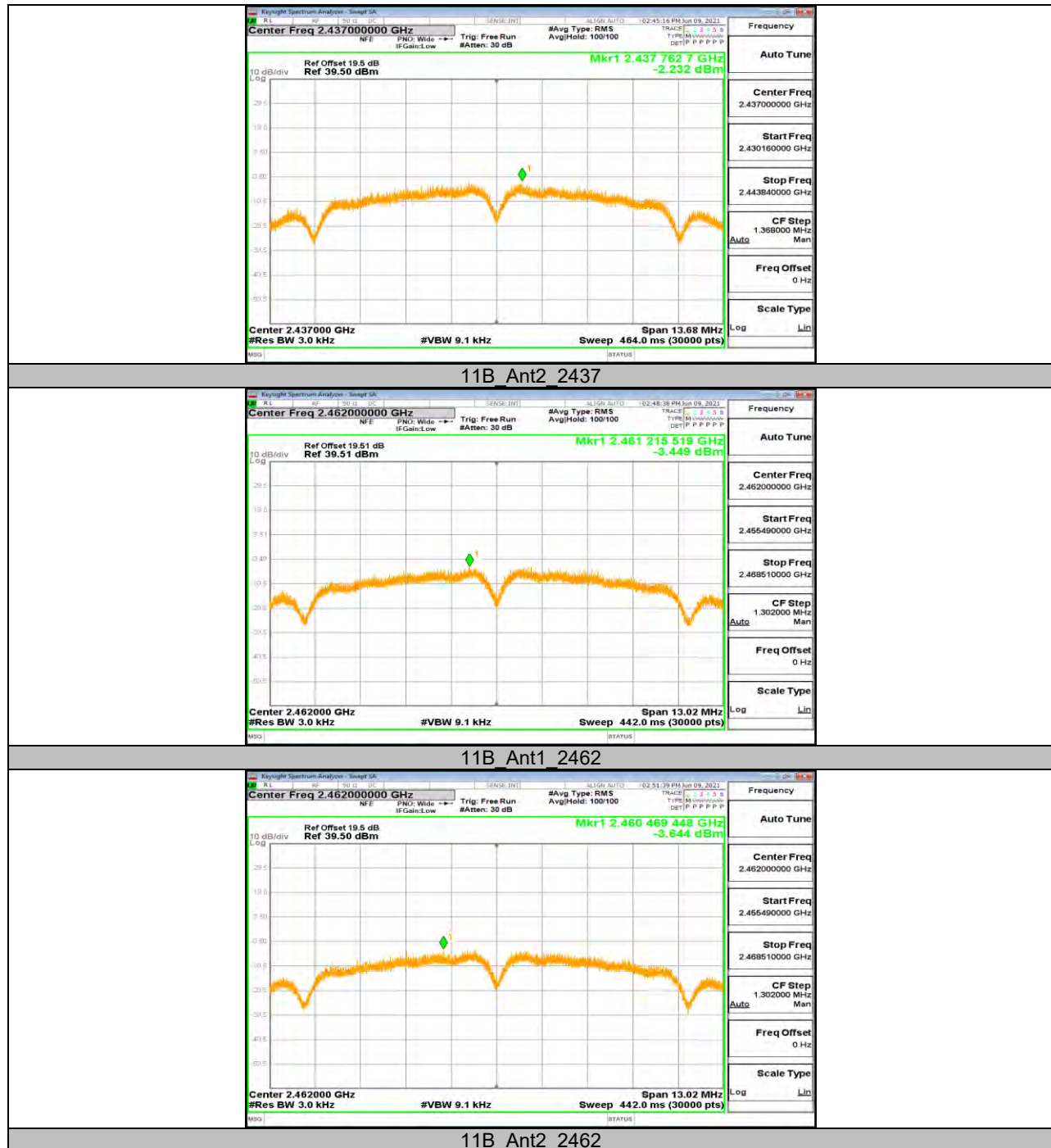
**11.4. Appendix D: Maximum power spectral density****11.4.1. Test Result**

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



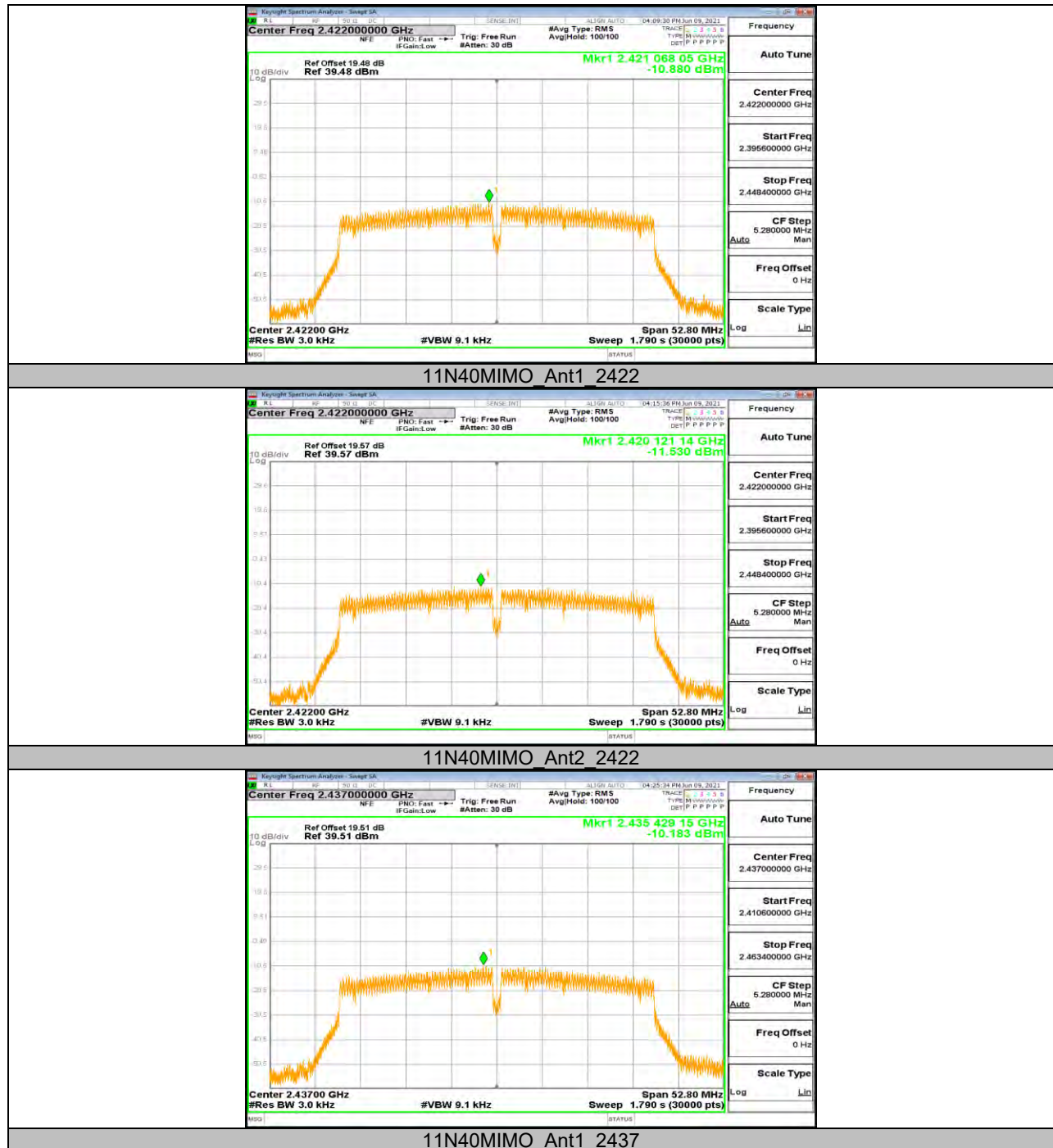


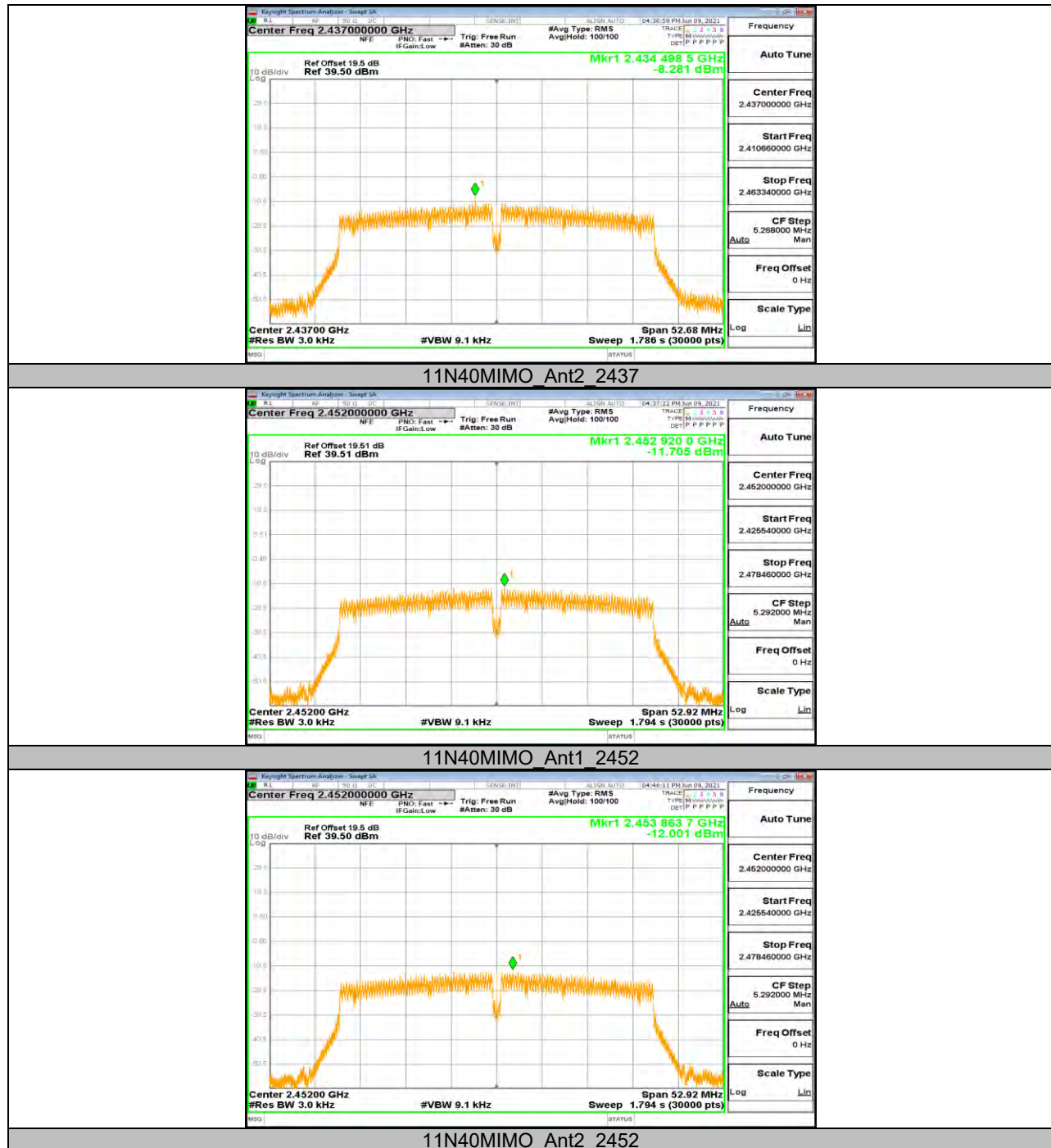








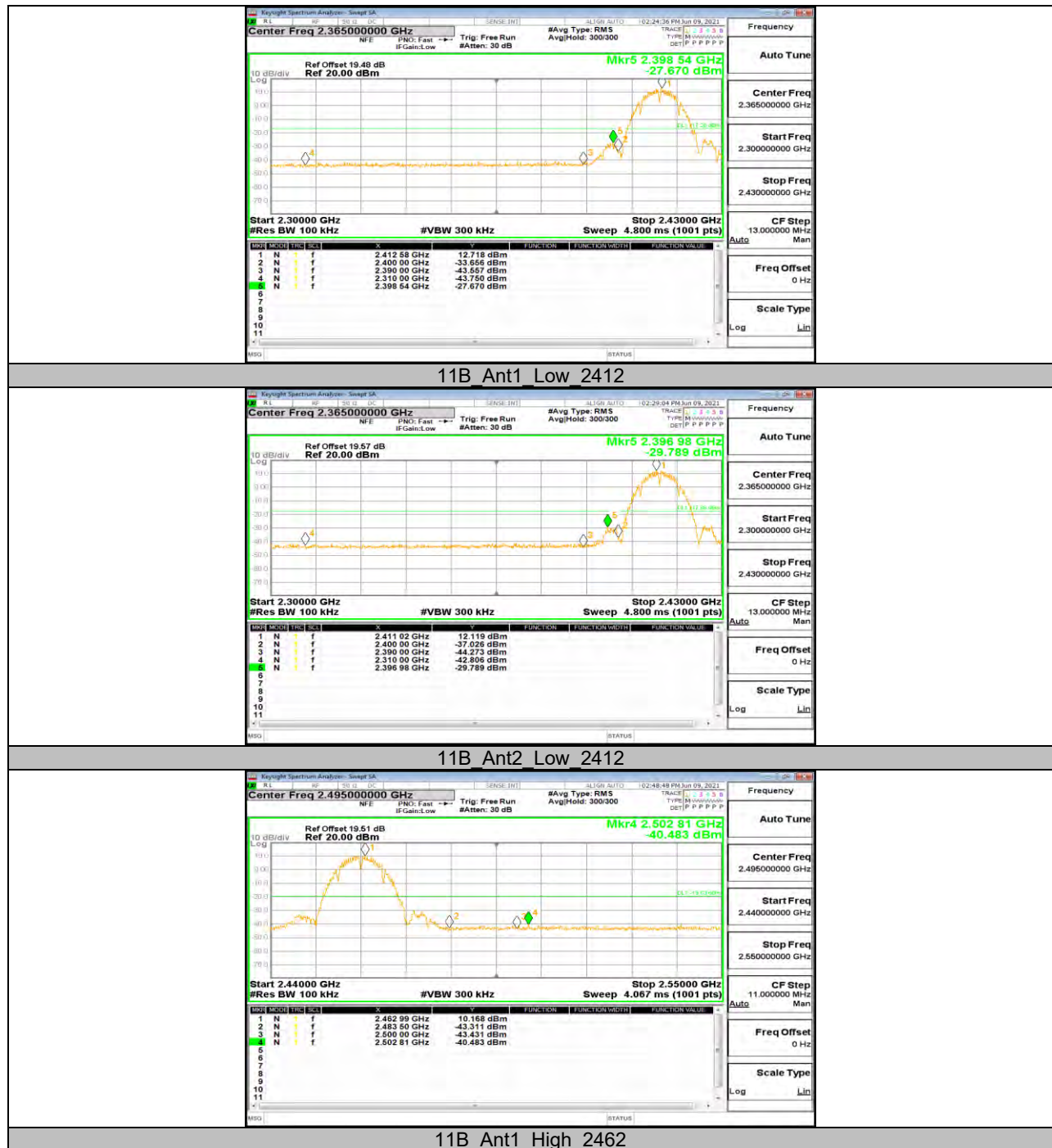


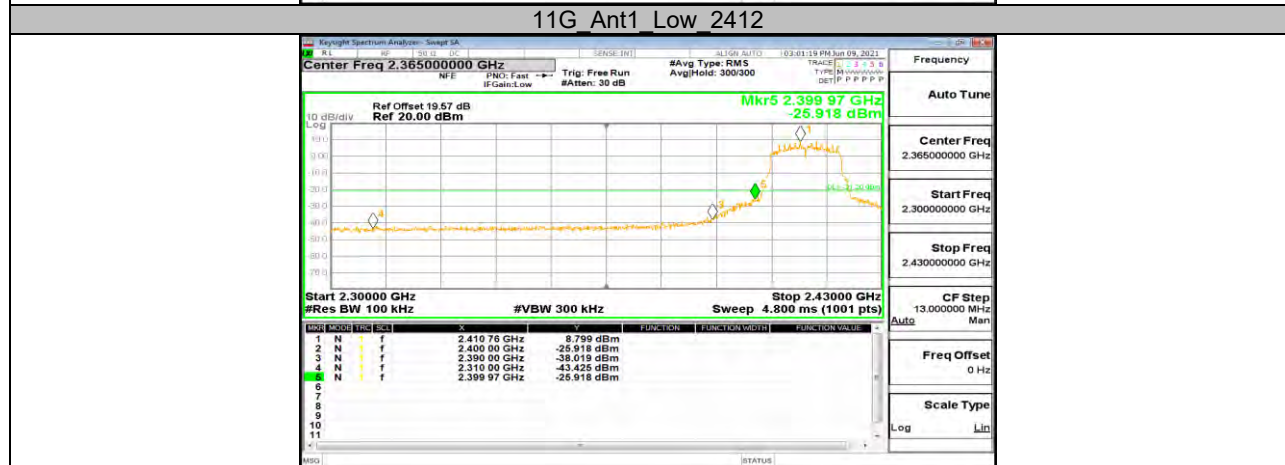
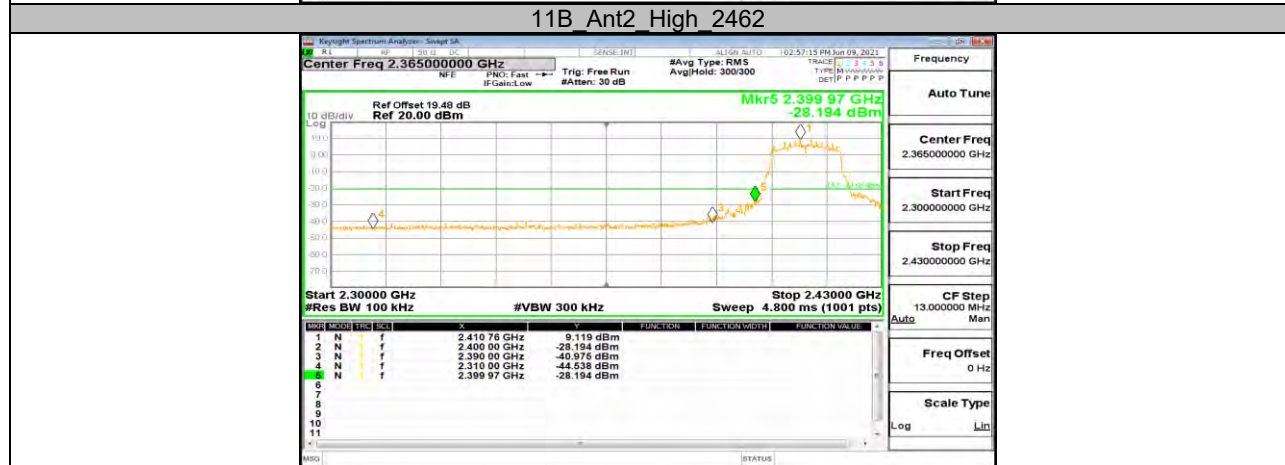
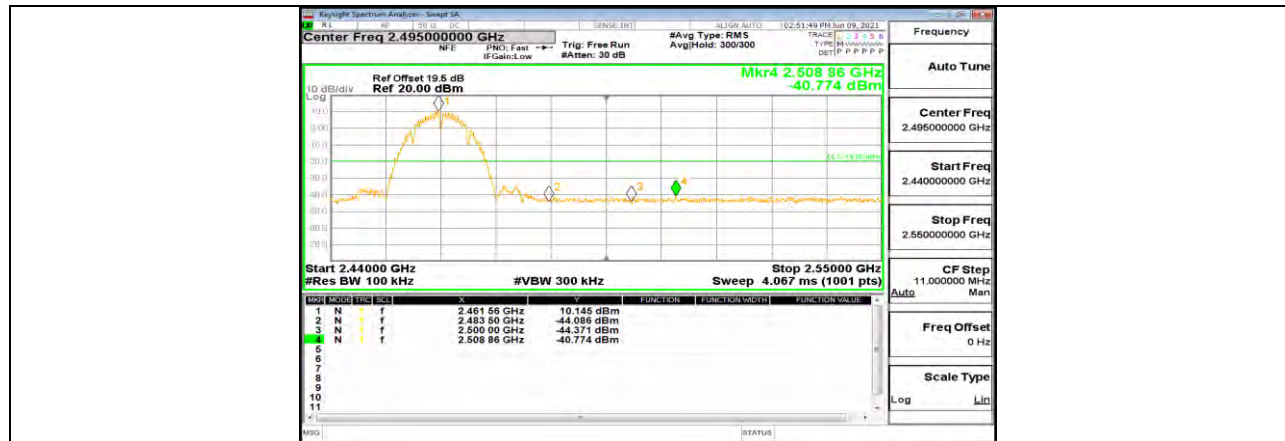


**11.5. Appendix E: Band edge measurements****11.5.1. Test Result**

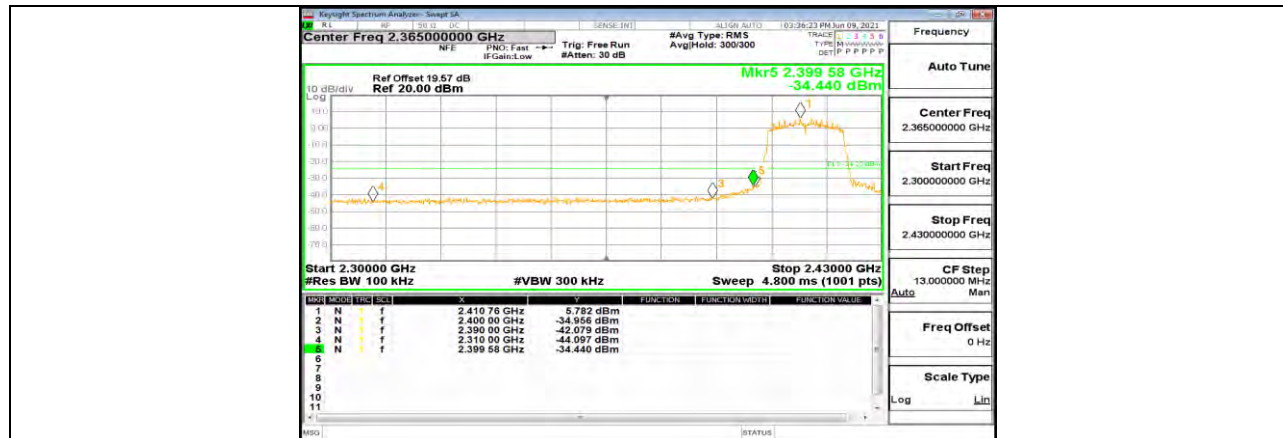
Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	Low	2412	12.72	-27.67	<=-17.28	PASS
	Ant1	Low	2412	12.12	-29.79	<=-17.88	PASS
	Ant0	High	2462	10.17	-40.48	<=-19.83	PASS
	Ant1	High	2462	10.15	-40.77	<=-19.86	PASS
11G	Ant0	Low	2412	9.12	-28.19	<=-20.88	PASS
	Ant1	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

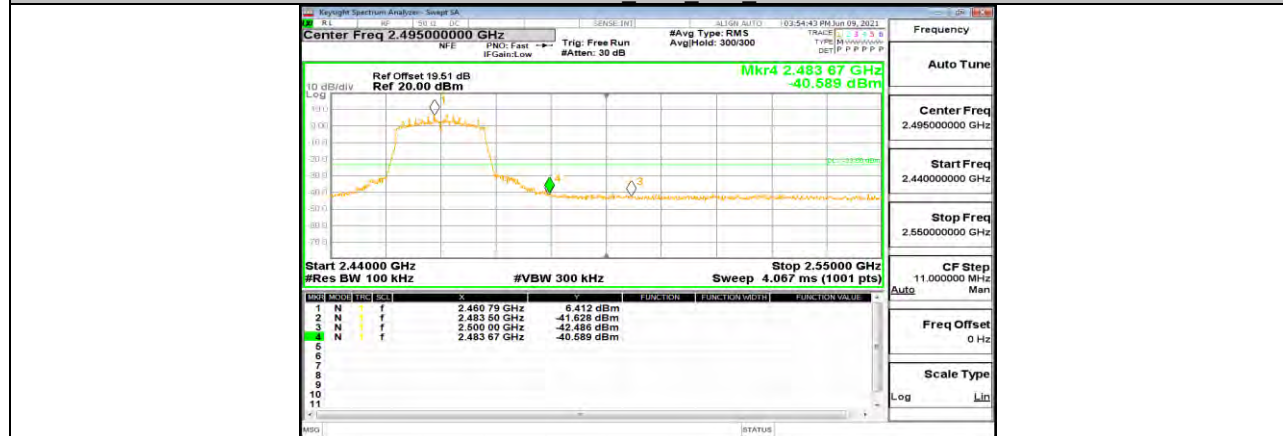




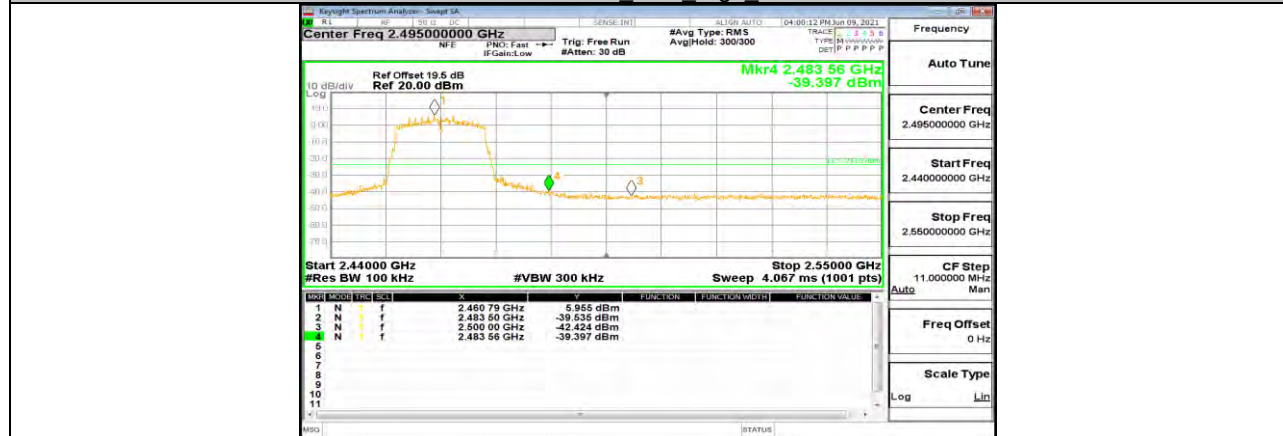




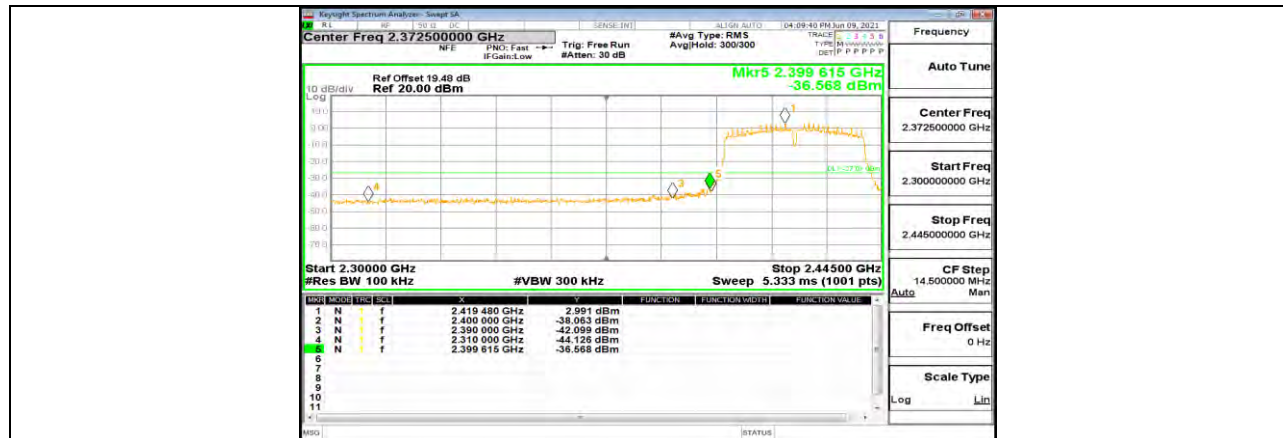
11N20MIMO Ant2 Low 2412



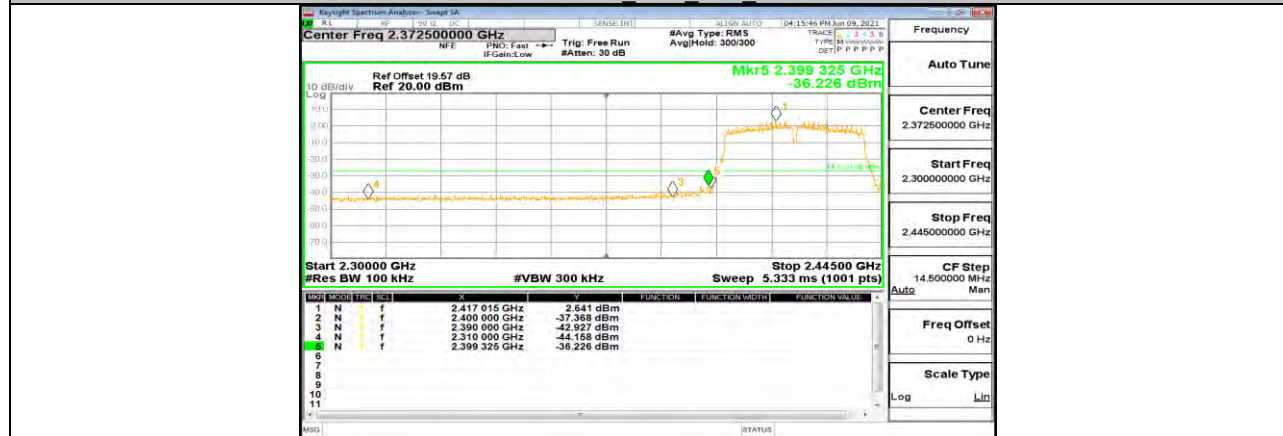
11N20MIMO Ant1 High 2462



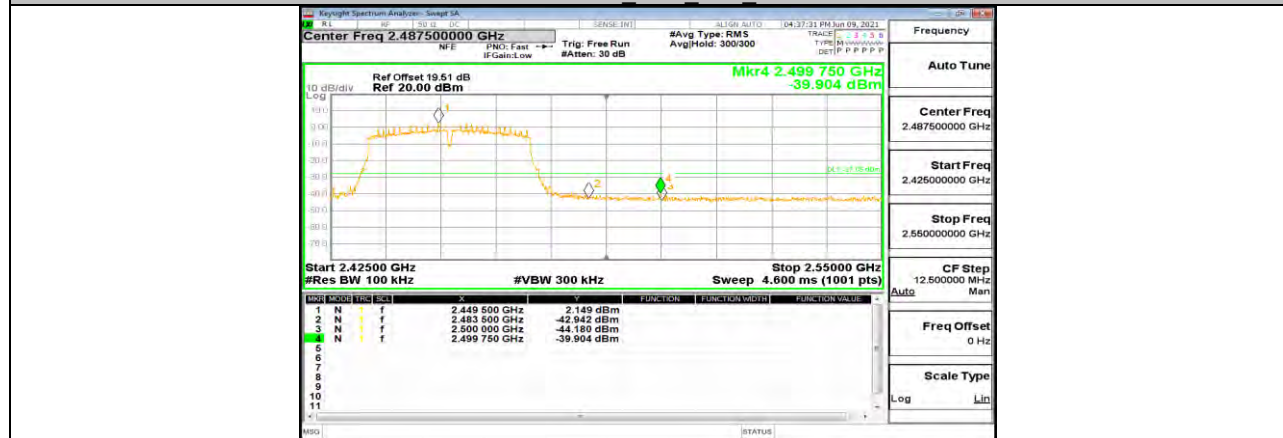
11N20MIMO Ant2 High 2462



11N40MIMO Ant1 Low 2422



11N40MIMO Ant2 Low 2422



11N40MIMO Ant1 High 2452



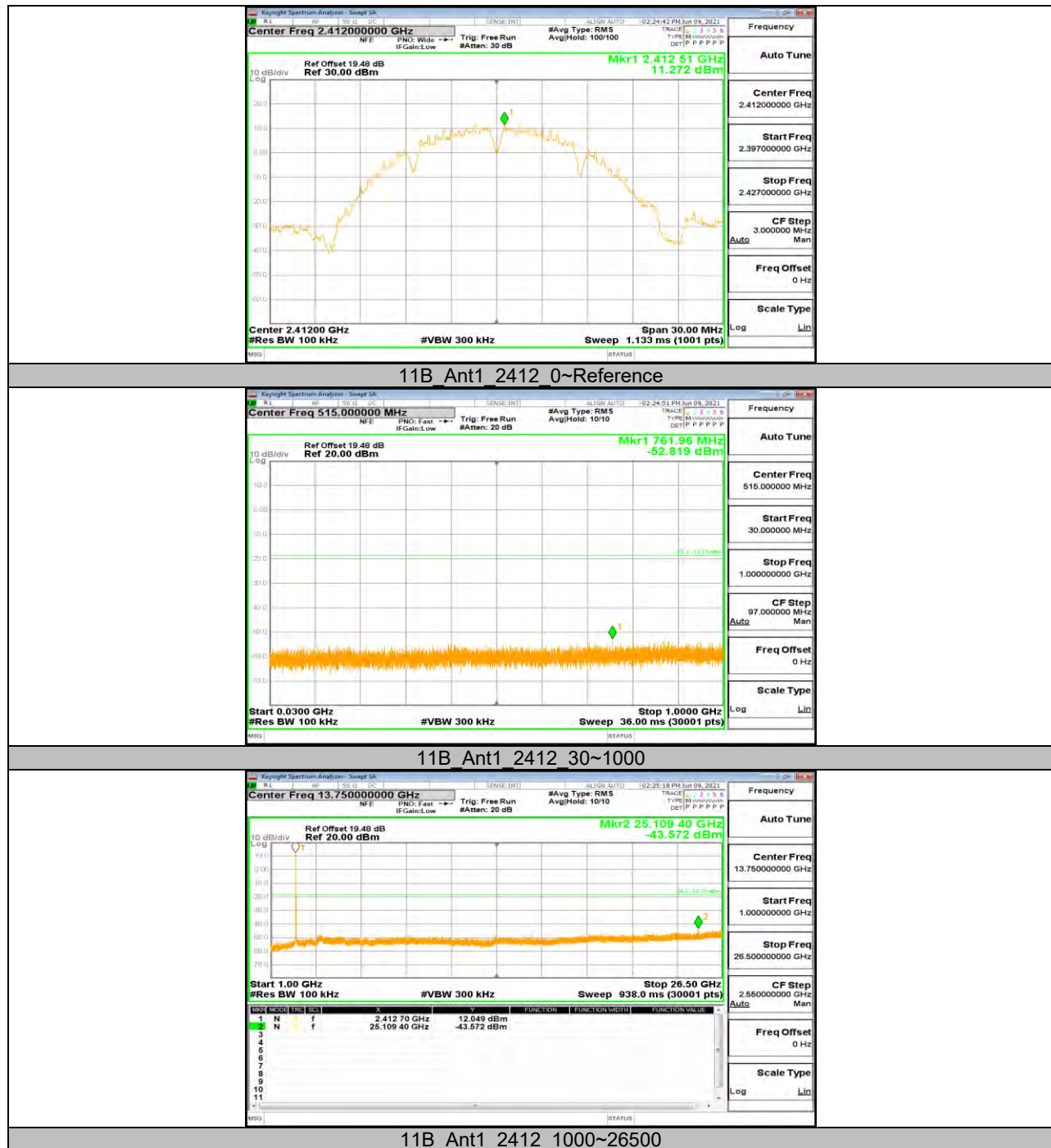
**11.6. Appendix F: Conducted Spurious Emission****11.6.1. Test Result**

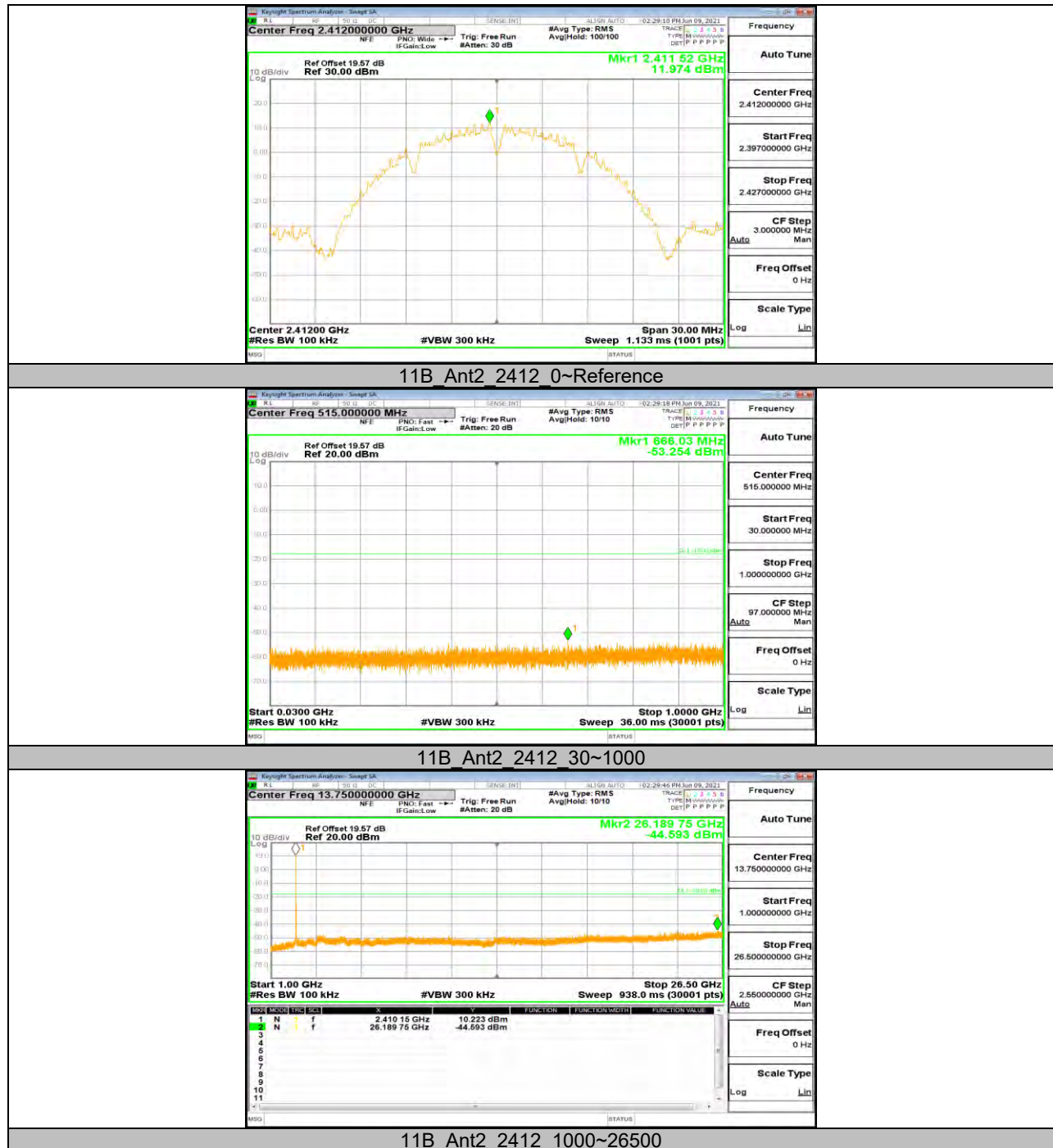
Test Mode	Antenna	Channel	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	2412	Reference	11.27	---	PASS
			30~1000	-52.82	<=-18.73	PASS
			1000~26500	-43.57	<=-18.73	PASS
	Ant1	2412	Reference	11.97	---	PASS
			30~1000	-53.25	<=-18.03	PASS
			1000~26500	-44.59	<=-18.03	PASS
	Ant0	2437	Reference	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
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
11N20MIMO	Ant0	2412	Reference	6.92	---	PASS
			30~1000	-53.6	<=-23.08	PASS
			1000~26500	-44.72	<=-23.08	PASS
	Ant1	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

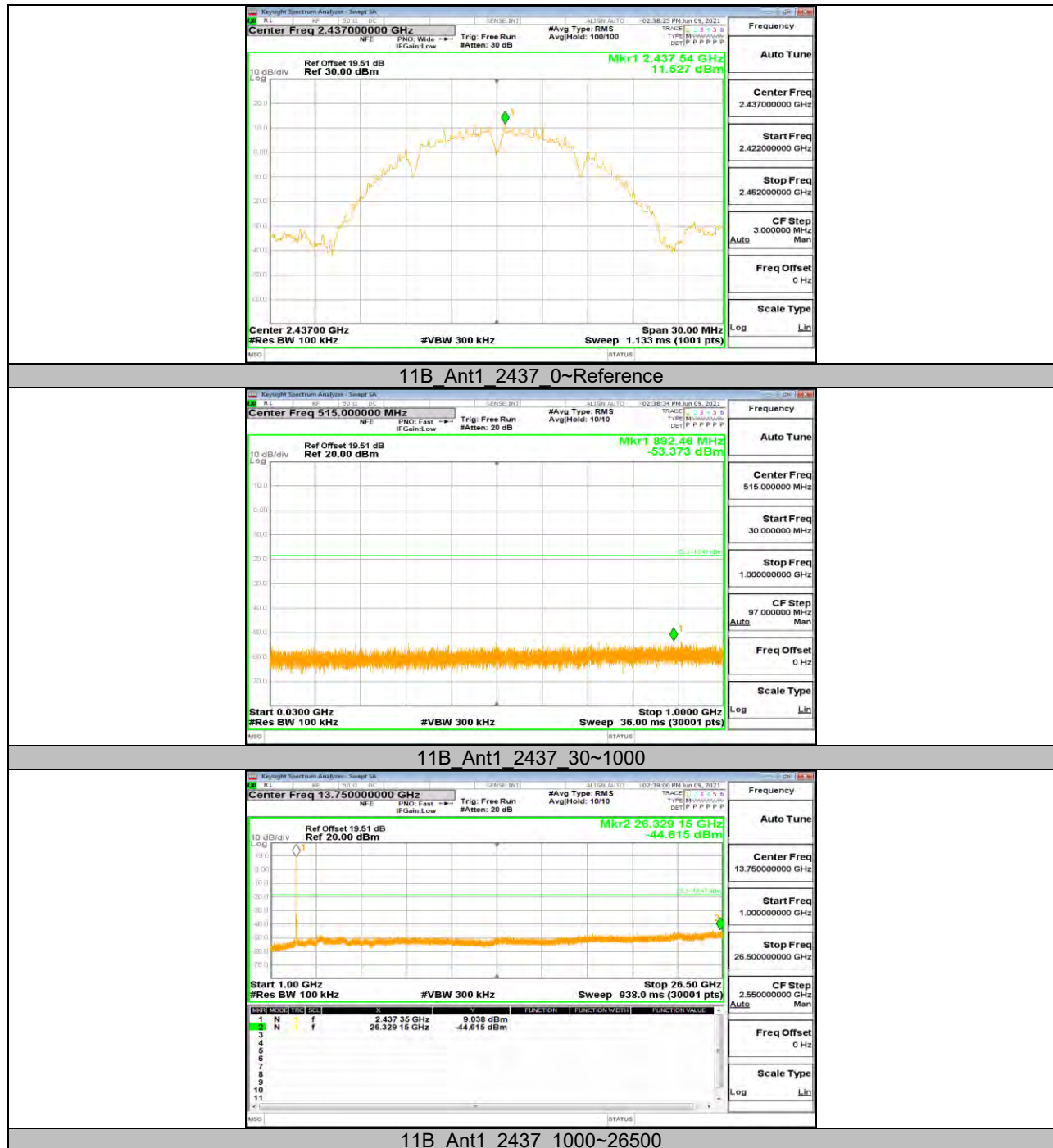


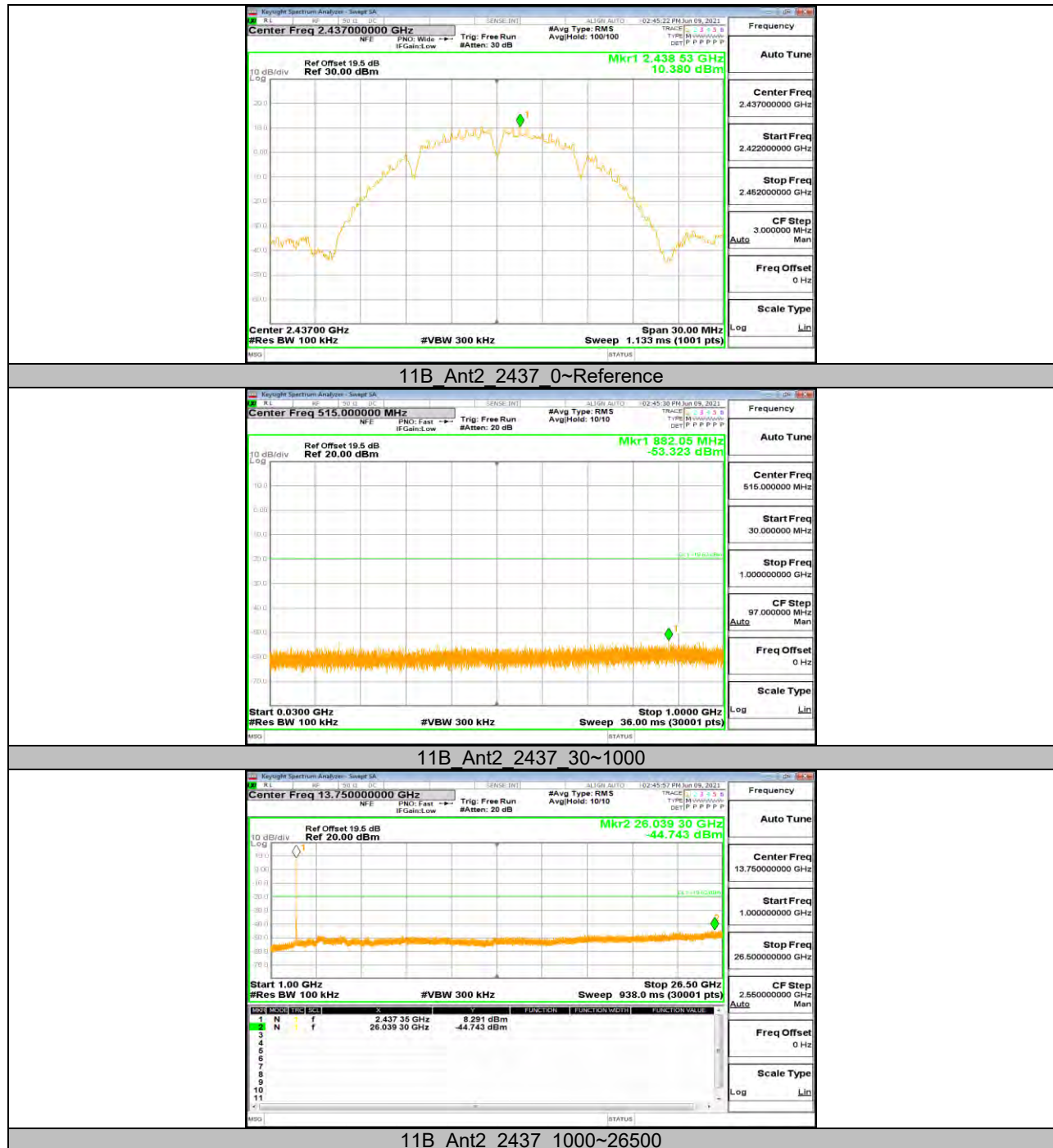
			1000~26500	-44.95	<=-24.98	PASS
11N40MIMO	Ant0	2422	Reference	2.74	---	PASS
			30~1000	-50.37	<=-27.26	PASS
			1000~26500	-44.51	<=-27.26	PASS
	Ant1	2422	Reference	2.31	---	PASS
			30~1000	-53.81	<=-27.69	PASS
			1000~26500	-43.47	<=-27.69	PASS
	Ant0	2437	Reference	3.65	---	PASS
			30~1000	-51.19	<=-26.35	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

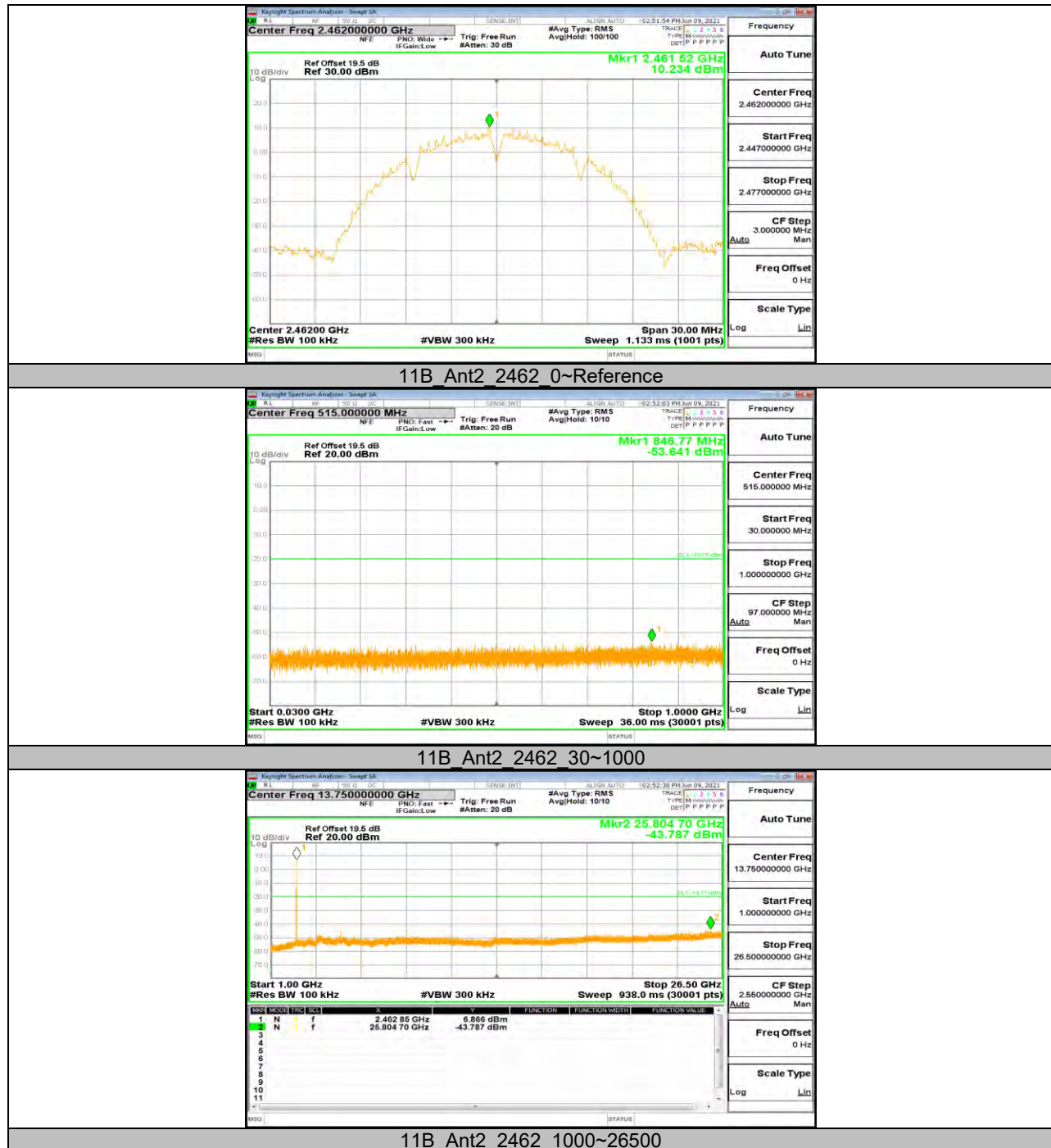








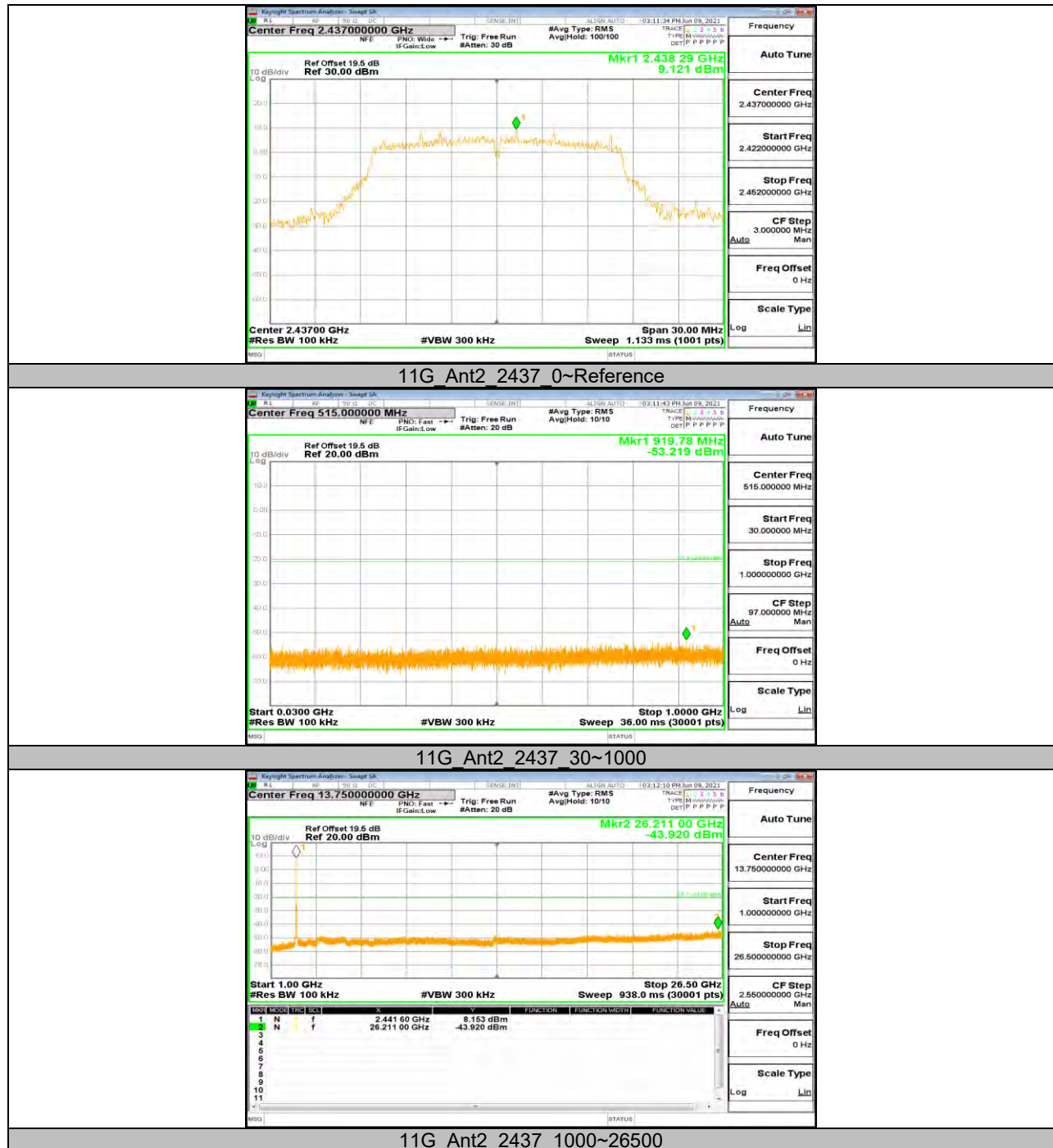


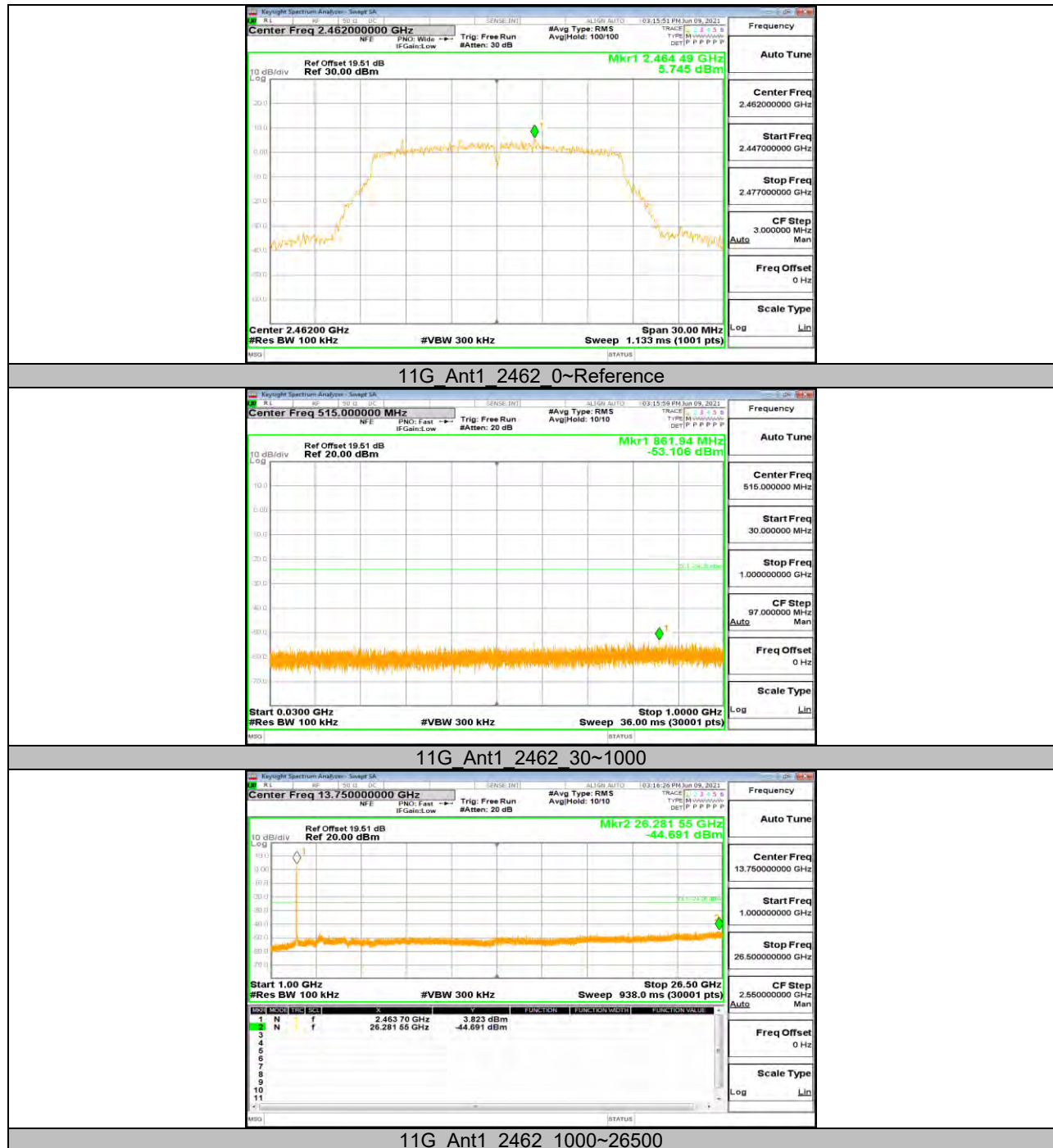


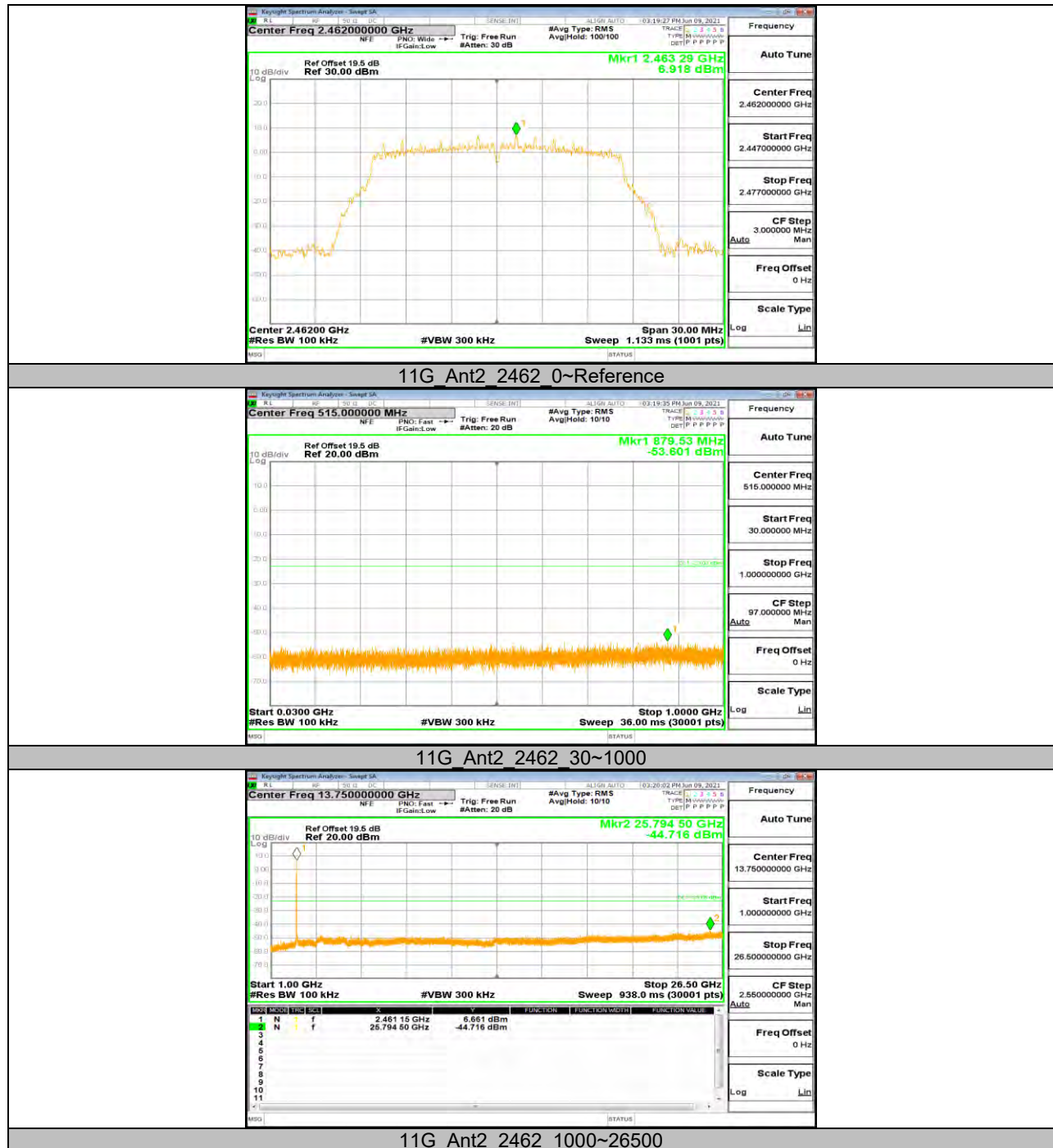




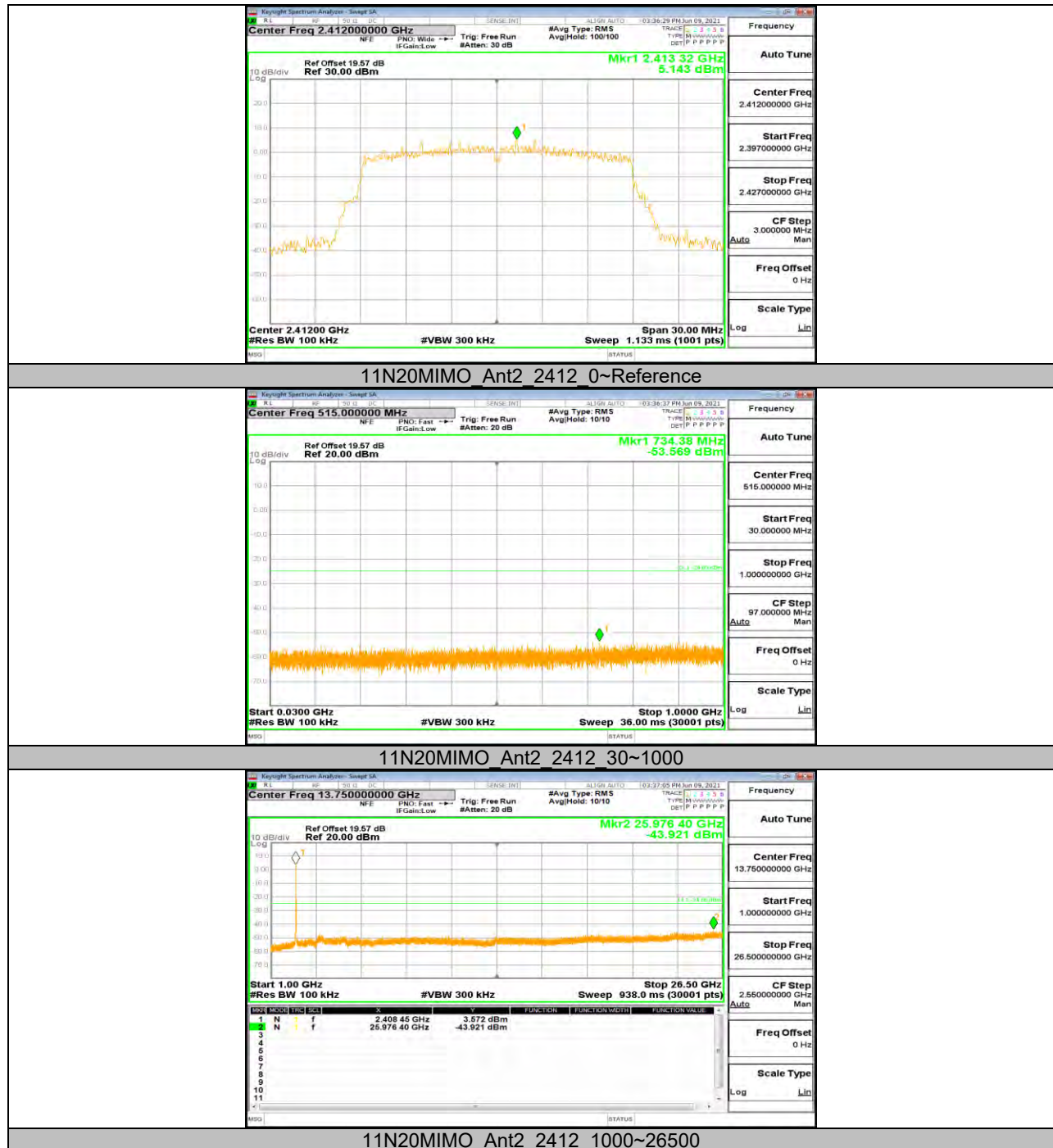


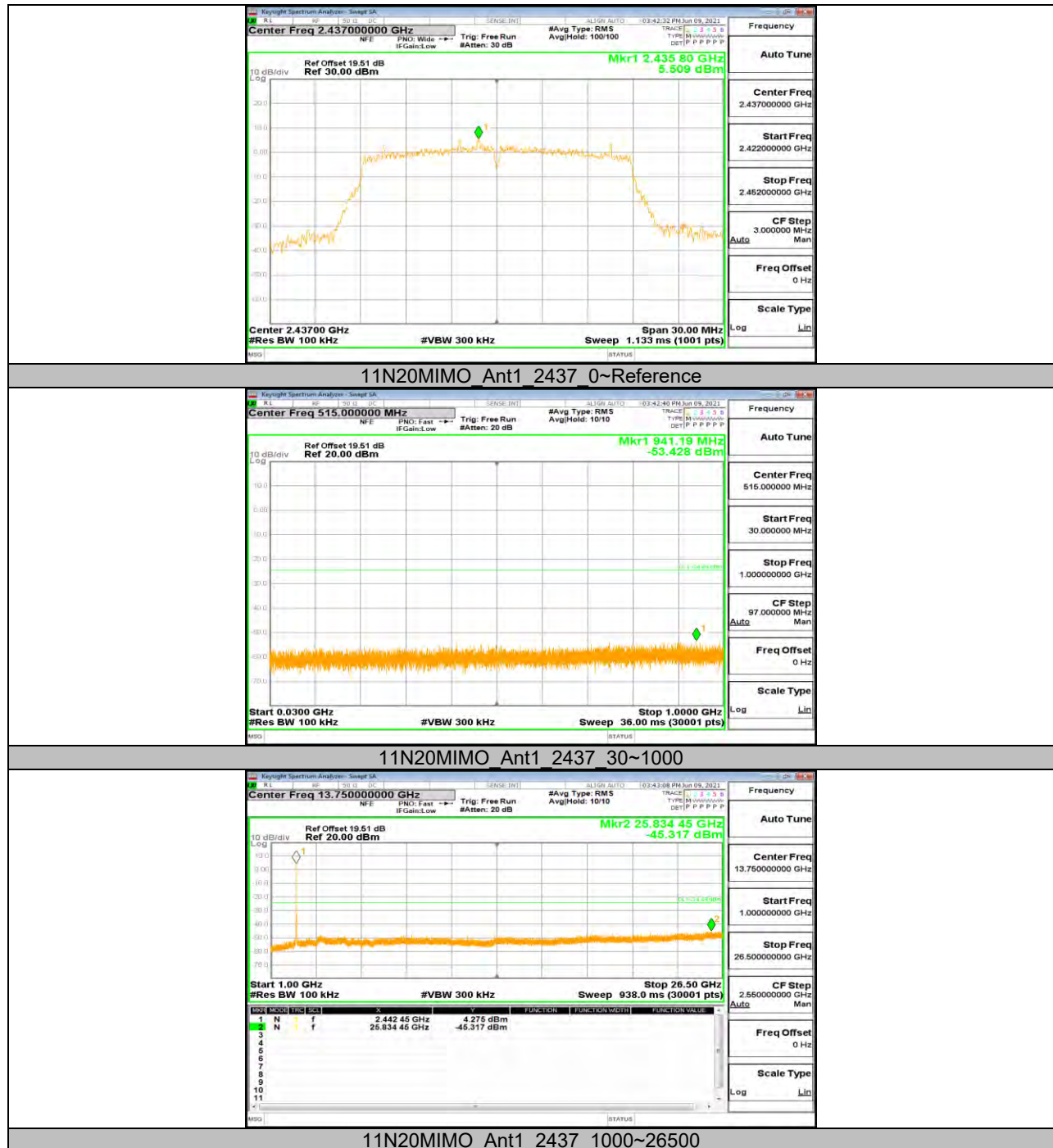




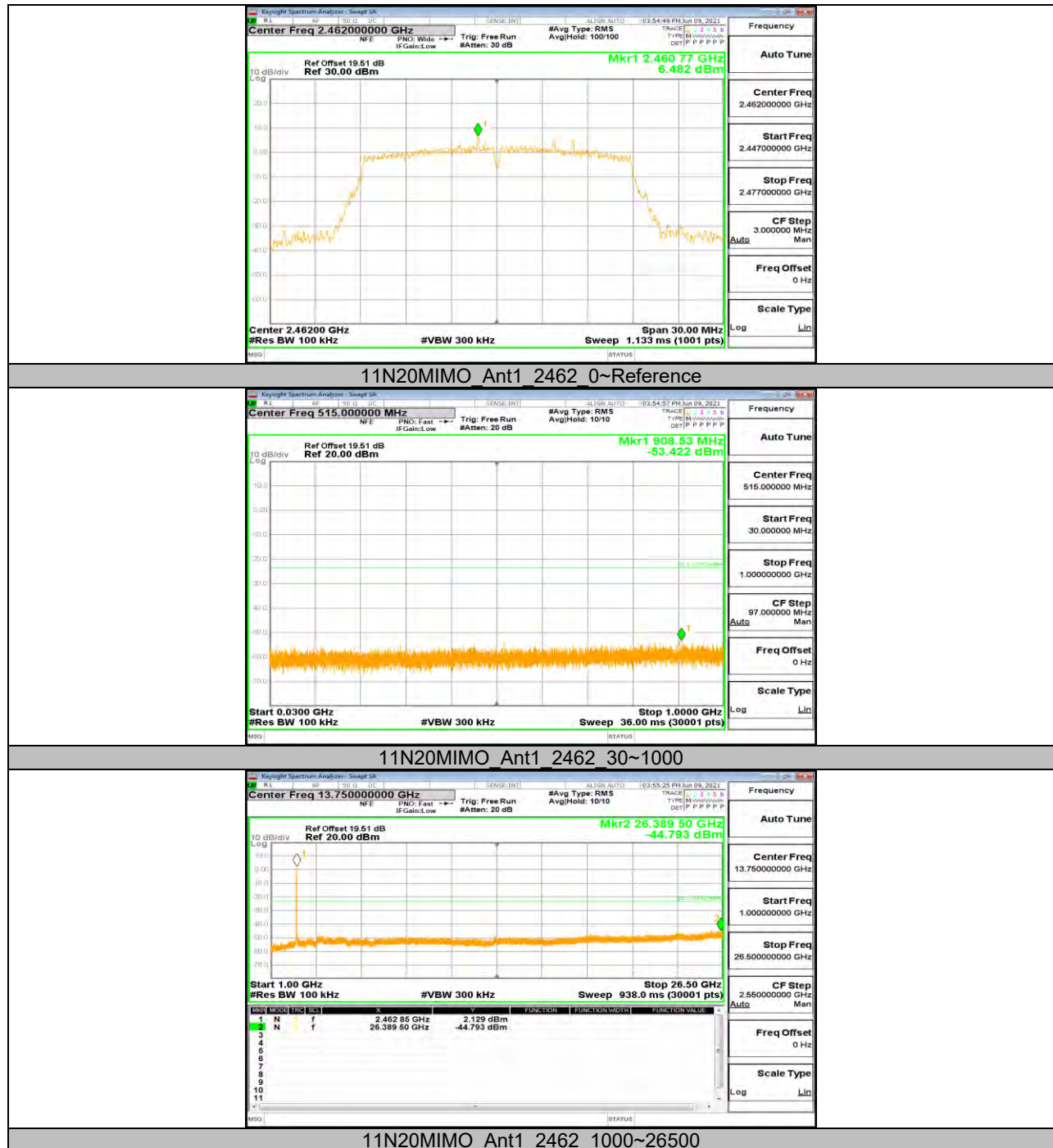




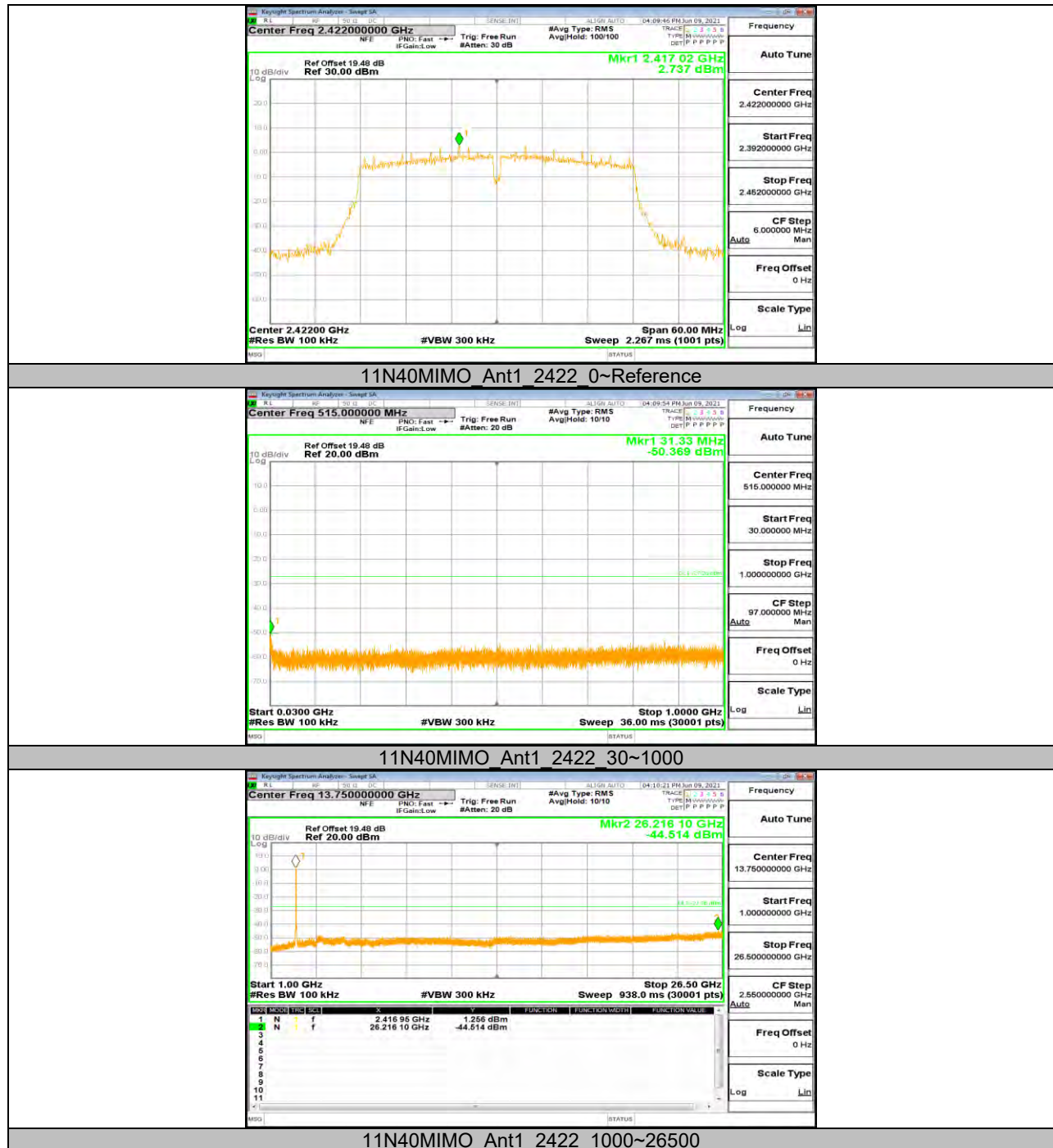


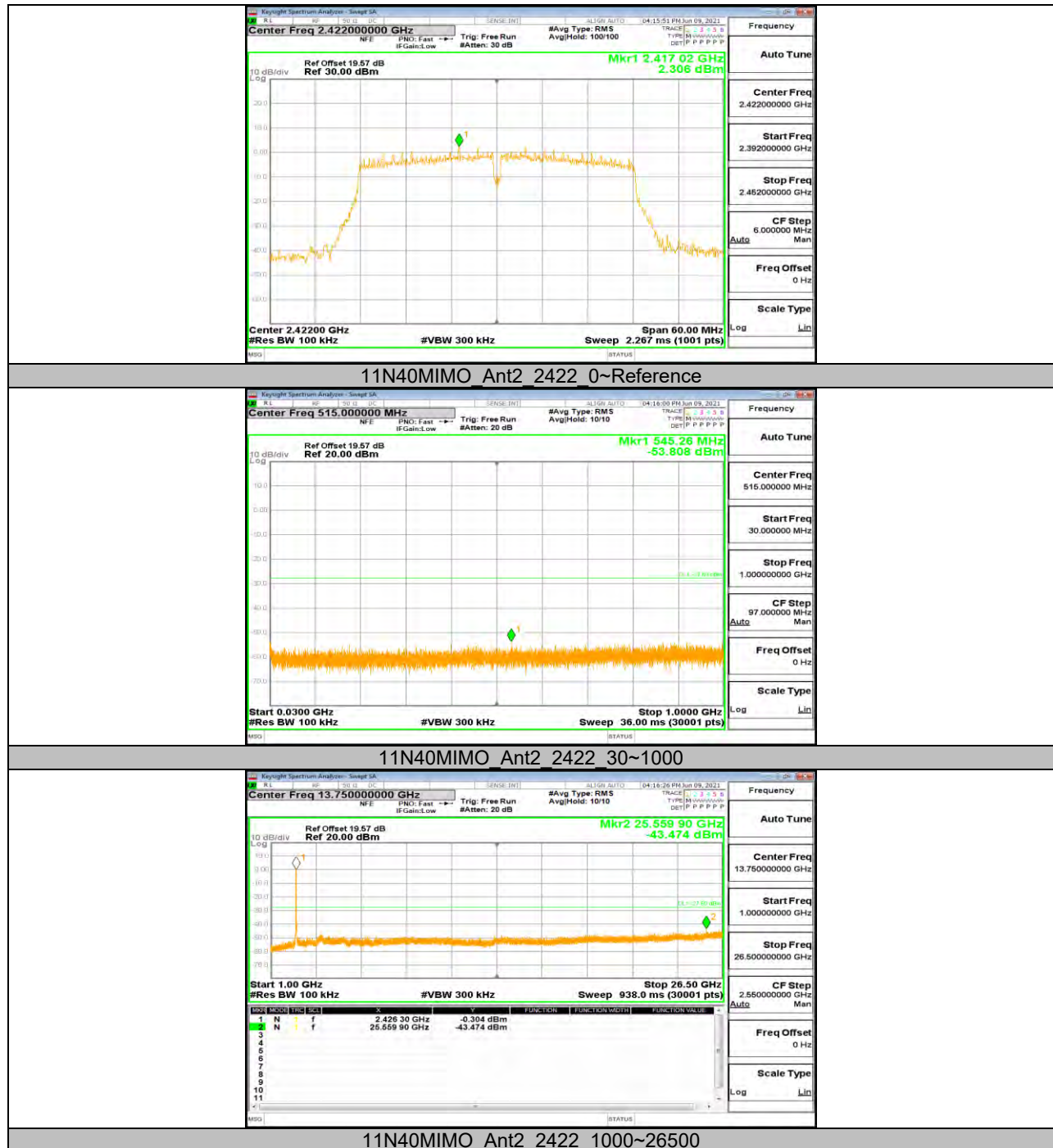






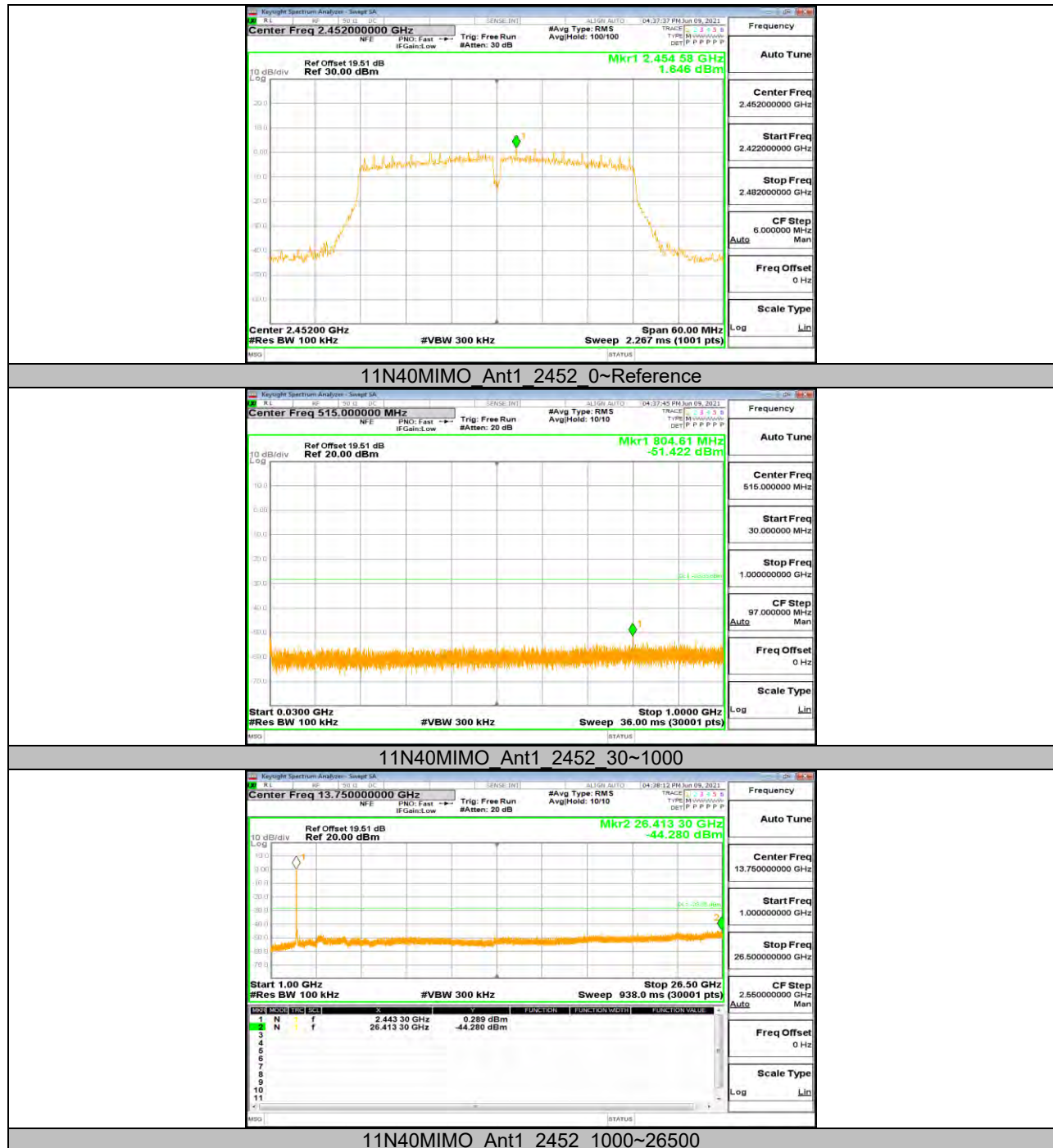
















11.7. Appendix G: Duty Cycle

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= $10\log(1/x)$.

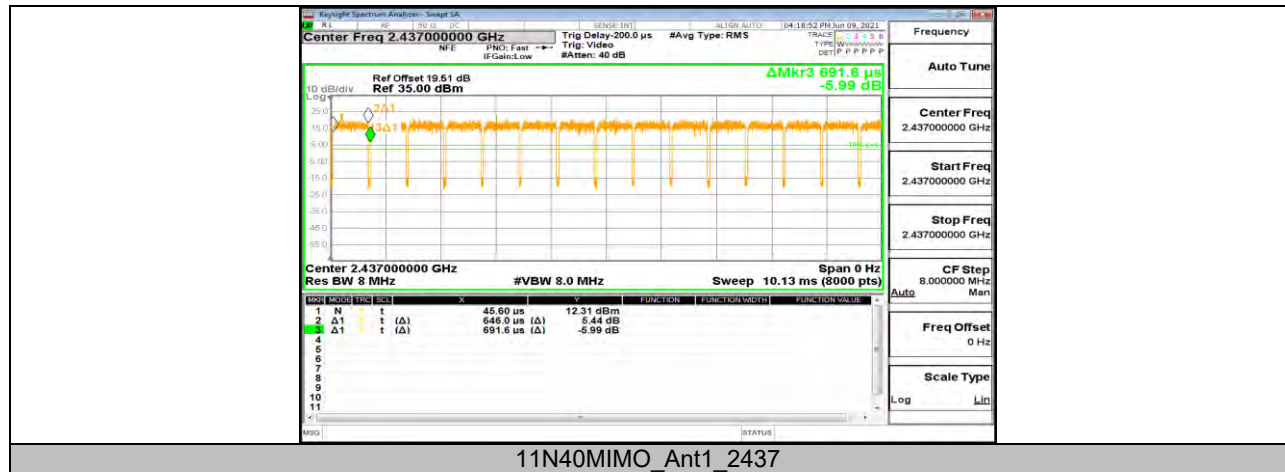
Where: x is Duty Cycle (Linear)

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