

Appendix Test Data for SRD (Conducted Measurement)

Product Name: Shark Car

Trade Mark: /

Test Model: LH-D024

FCC ID: 2BOLWSA3883

Environmental Conditions

Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

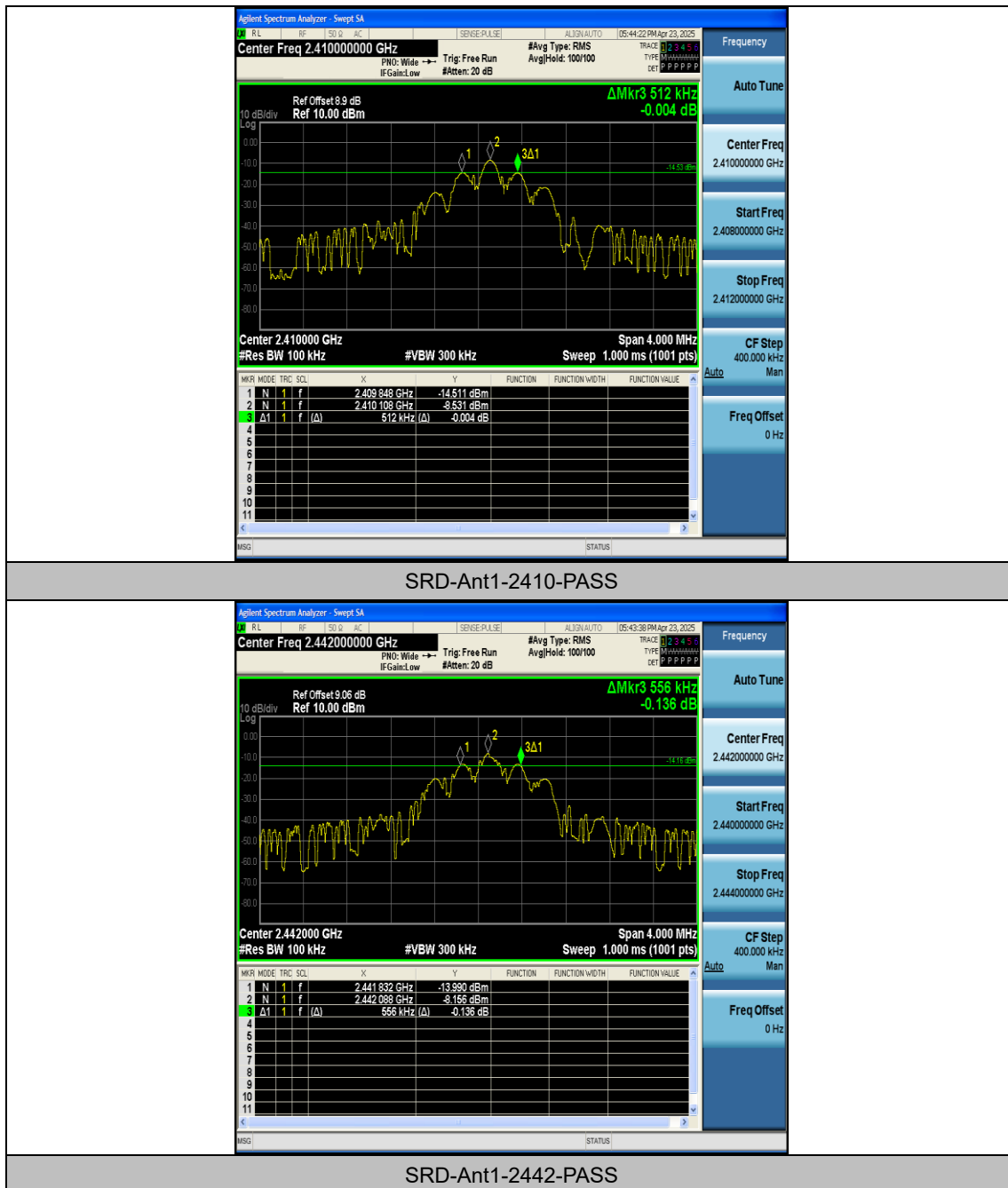
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2410	0.512	2409.848	2410.360	0.5	PASS
SRD	Ant1	2442	0.556	2441.832	2442.388	0.5	PASS
SRD	Ant1	2470	0.516	2469.852	2470.368	0.5	PASS

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs





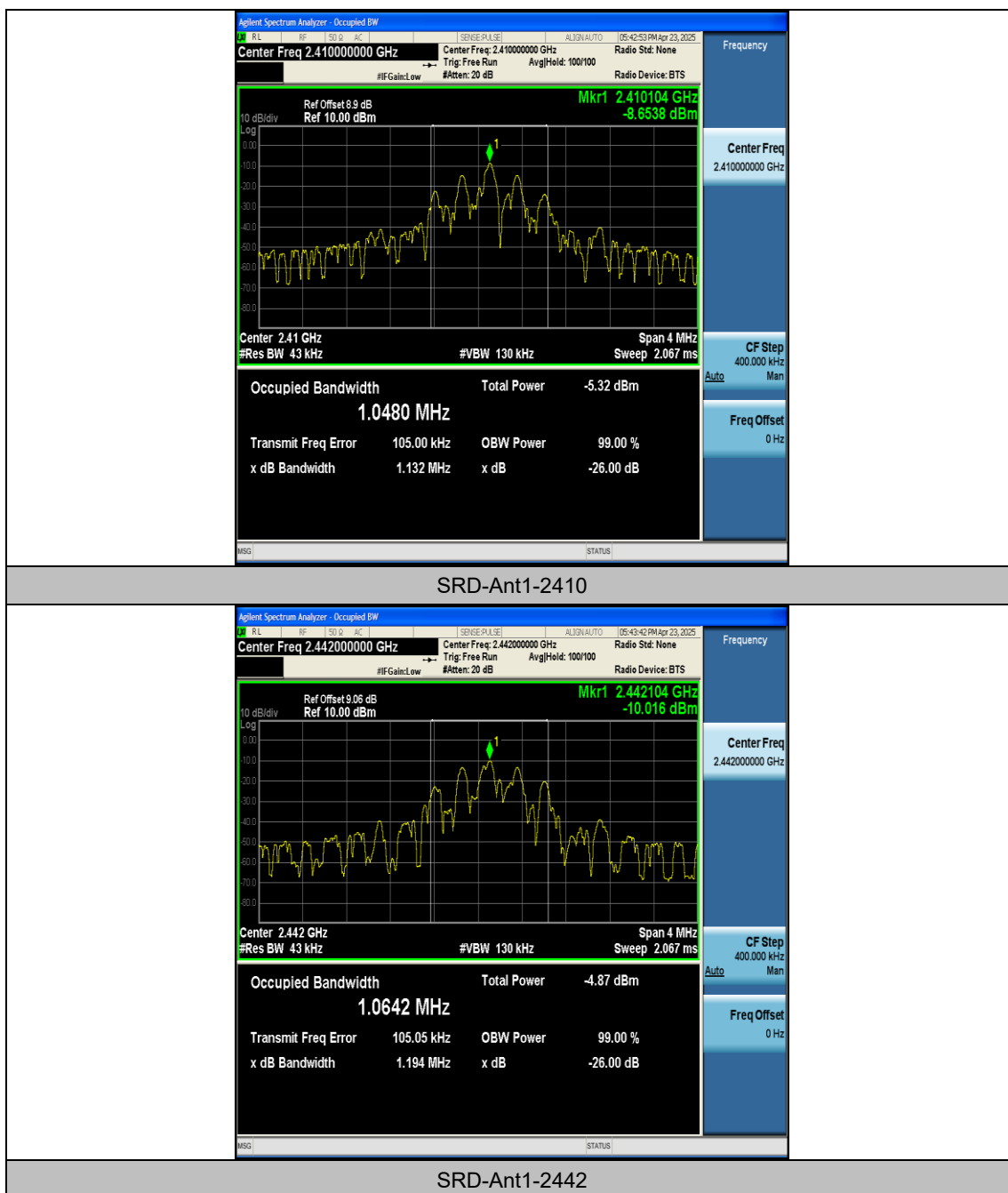
Appendix B: Occupied Channel Bandwidth

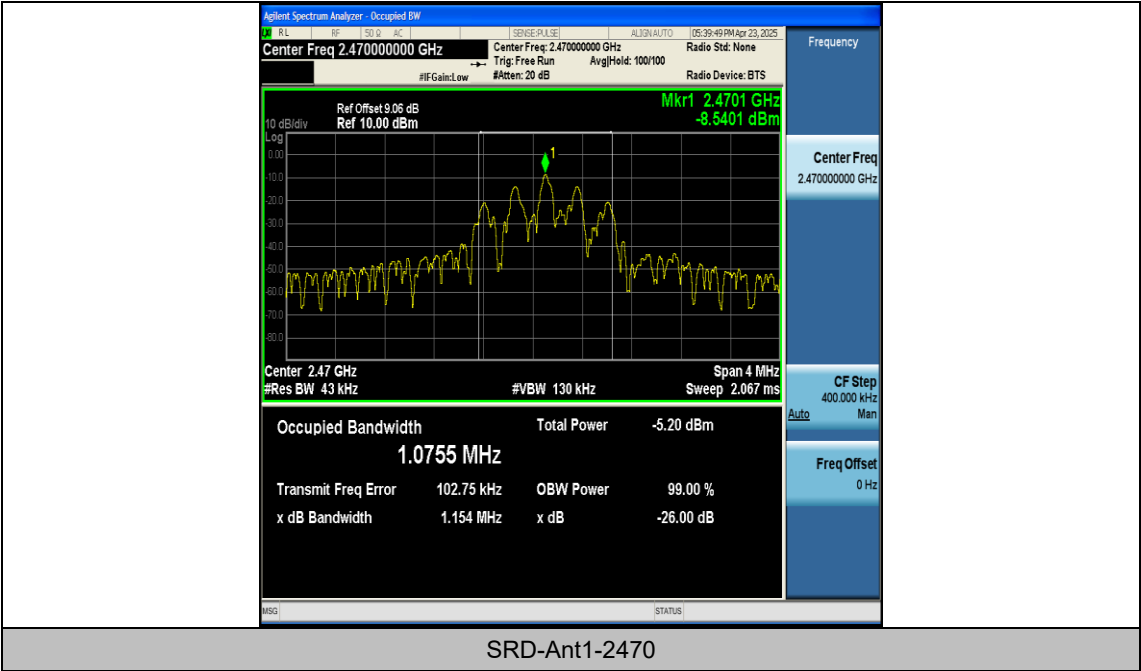
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2410	1.0480	2409.5810	2410.6290	---	---
SRD	Ant1	2442	1.0642	2441.5730	2442.6372	---	---
SRD	Ant1	2470	1.0755	2469.5650	2470.6405	---	---

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs





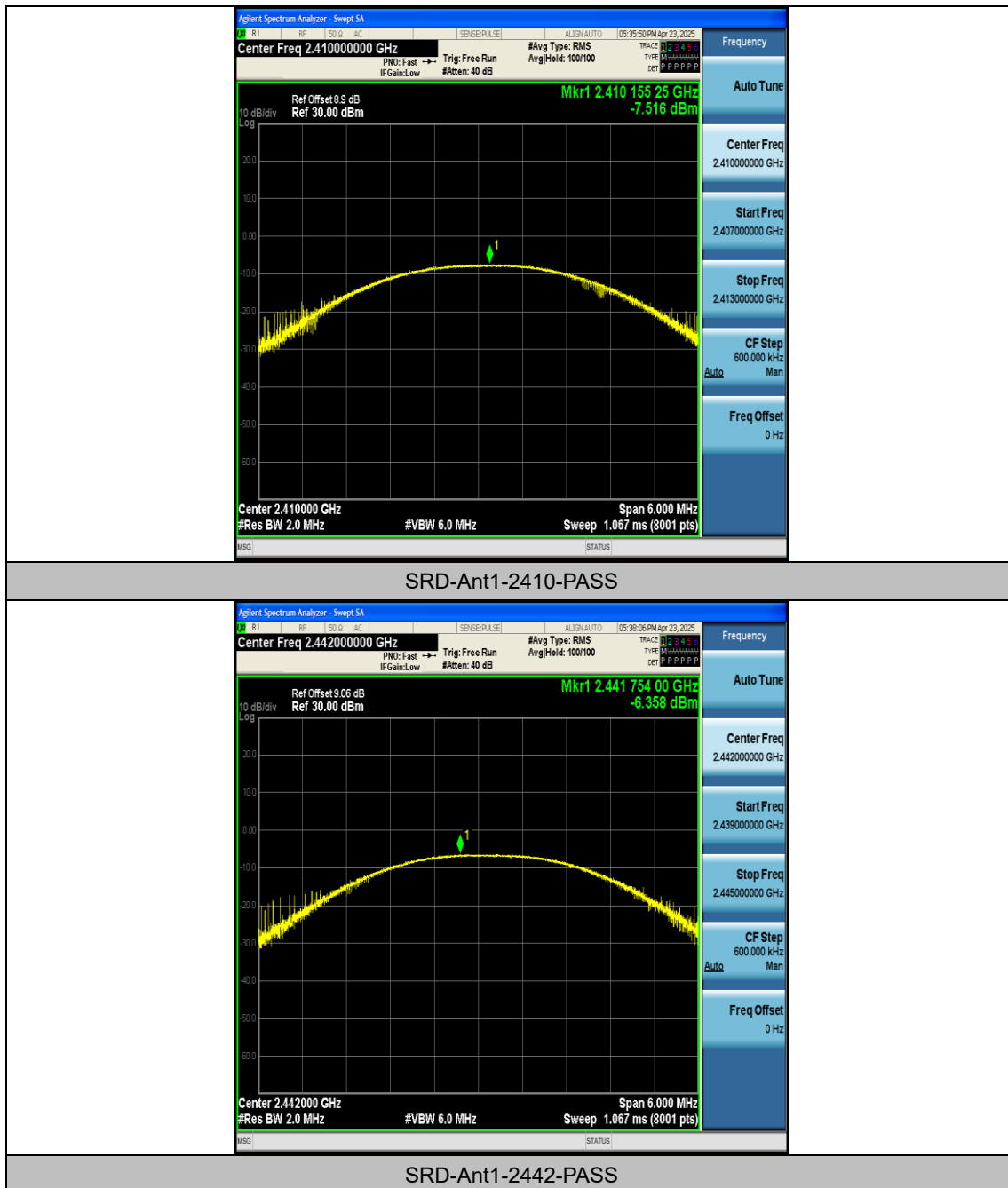
Appendix C: Maximum peak conducted output power

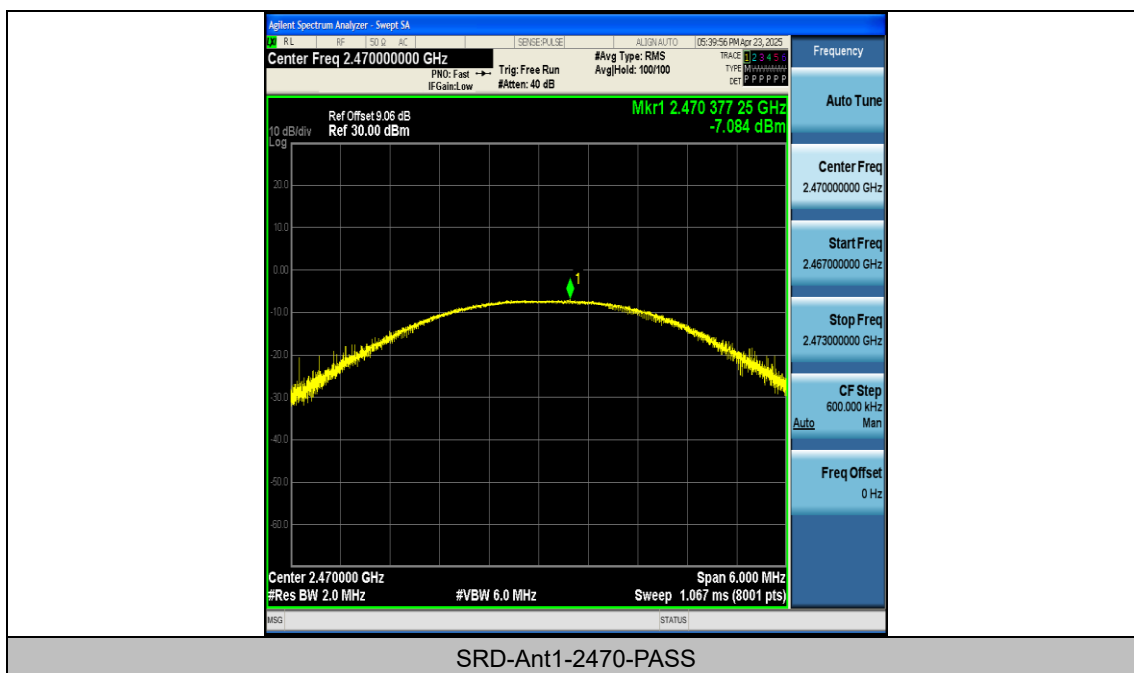
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2410	-7.52	≤30	PASS
SRD	Ant1	2442	-6.36	≤30	PASS
SRD	Ant1	2470	-7.08	≤30	PASS

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs Peak





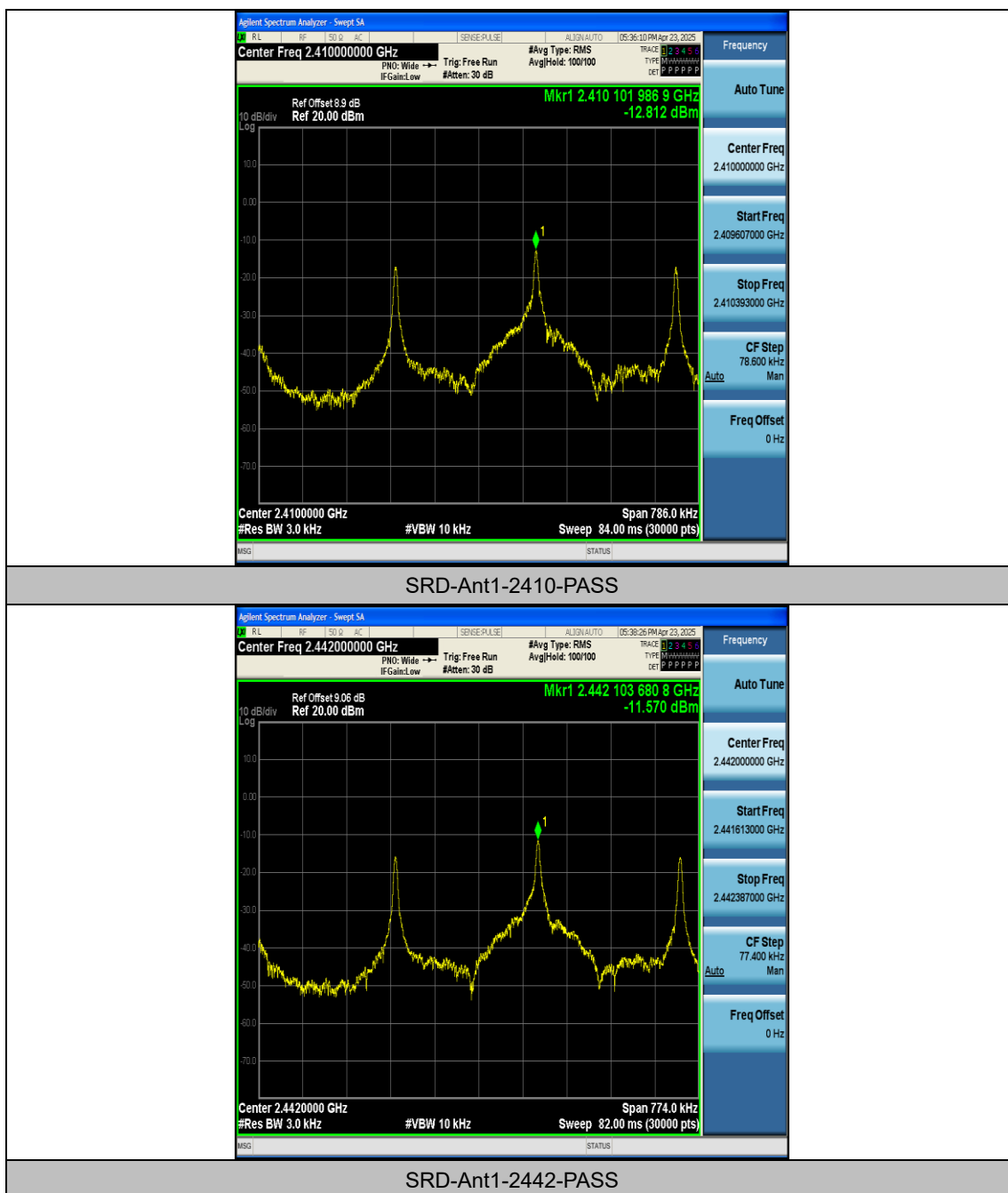
Appendix D: Maximum peak power spectral density

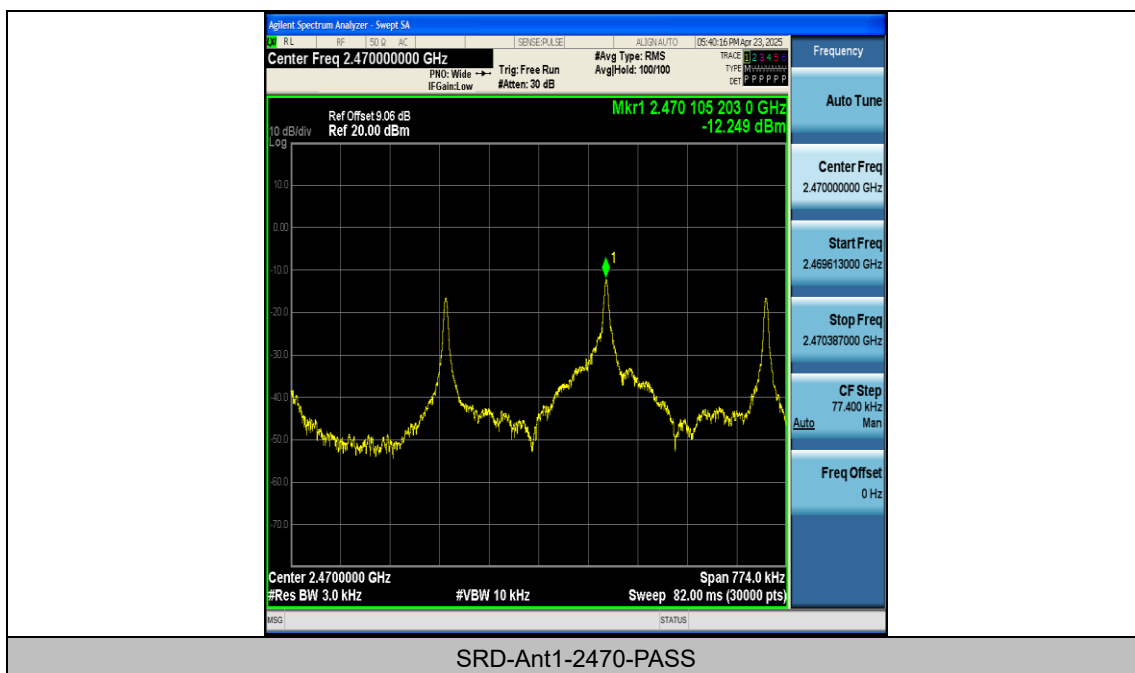
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2410	-12.81	≤8.00	PASS
SRD	Ant1	2442	-11.57	≤8.00	PASS
SRD	Ant1	2470	-12.25	≤8.00	PASS

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs





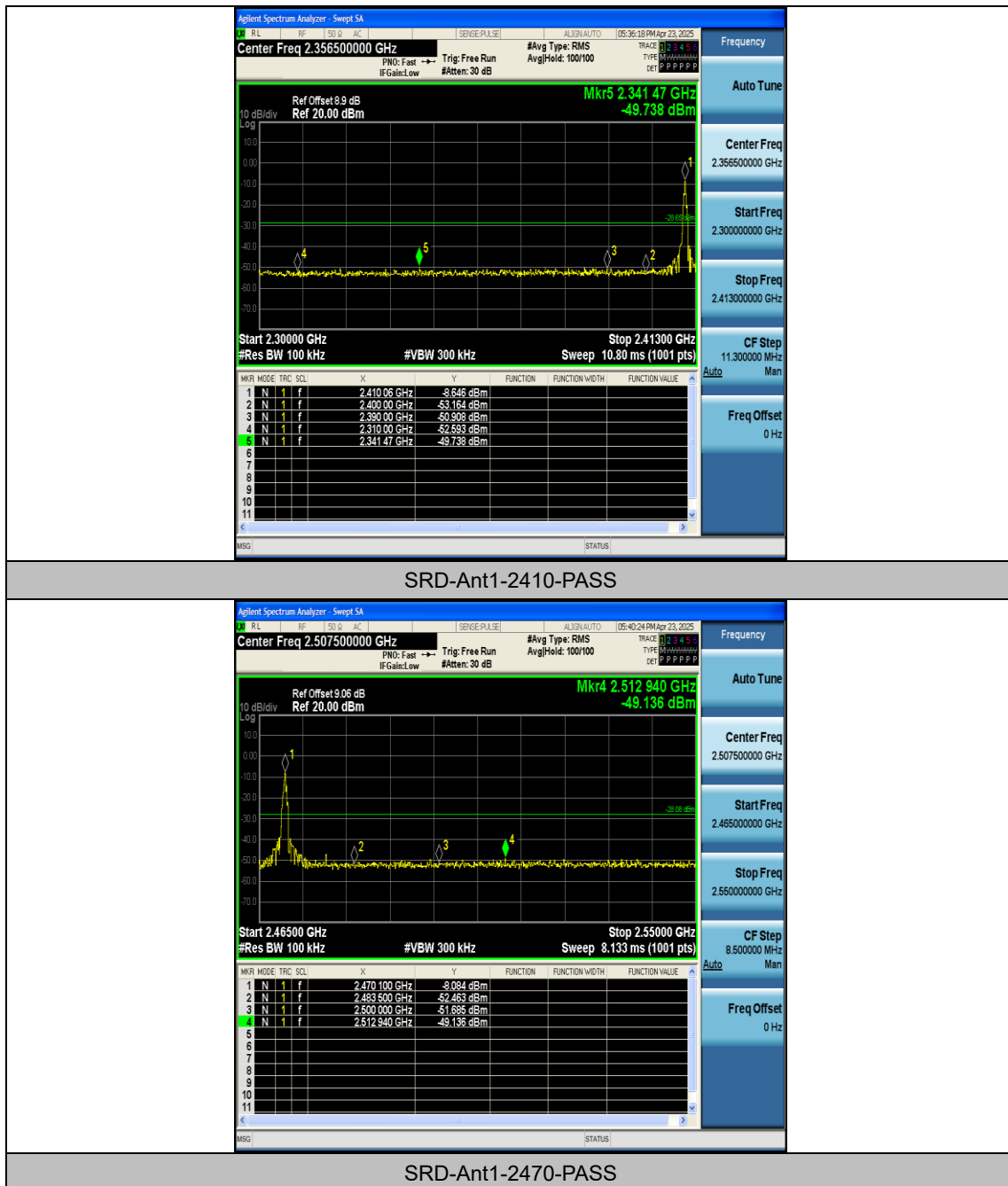
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2410	-8.65	-49.74	≤-28.65	PASS
SRD	Ant1	High	2470	-8.08	-49.14	≤-28.08	PASS

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs



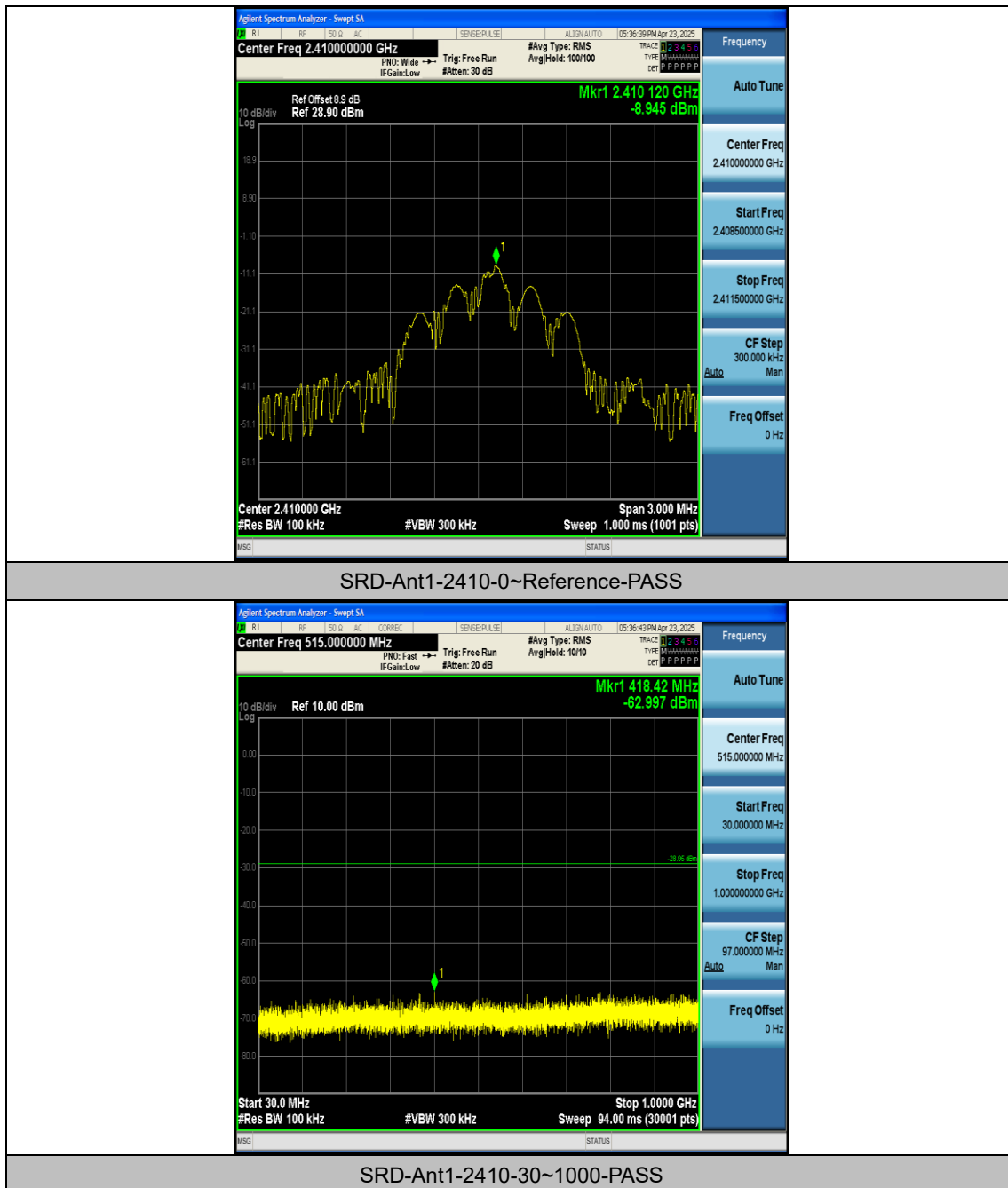
Appendix F: Conducted Spurious Emission

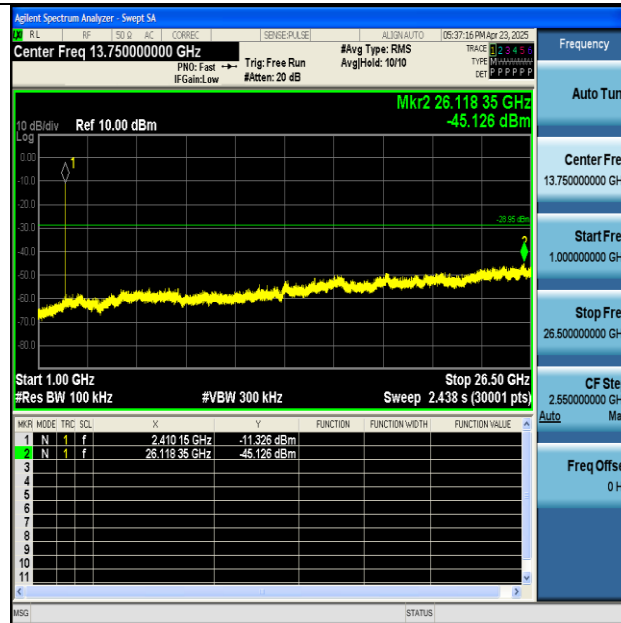
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2410	0~Reference	-8.95	-8.95	---	PASS
SRD	Ant1	2410	30~1000	-8.95	-63	≤-28.95	PASS
SRD	Ant1	2410	1000~26500	-8.95	-45.13	≤-28.95	PASS
SRD	Ant1	2442	0~Reference	-7.42	-7.42	---	PASS
SRD	Ant1	2442	30~1000	-7.42	-62.47	≤-27.42	PASS
SRD	Ant1	2442	1000~26500	-7.42	-45.03	≤-27.42	PASS
SRD	Ant1	2470	0~Reference	-8.25	-8.25	---	PASS
SRD	Ant1	2470	30~1000	-8.25	-62.58	≤-28.25	PASS
SRD	Ant1	2470	1000~26500	-8.25	-44.36	≤-28.25	PASS

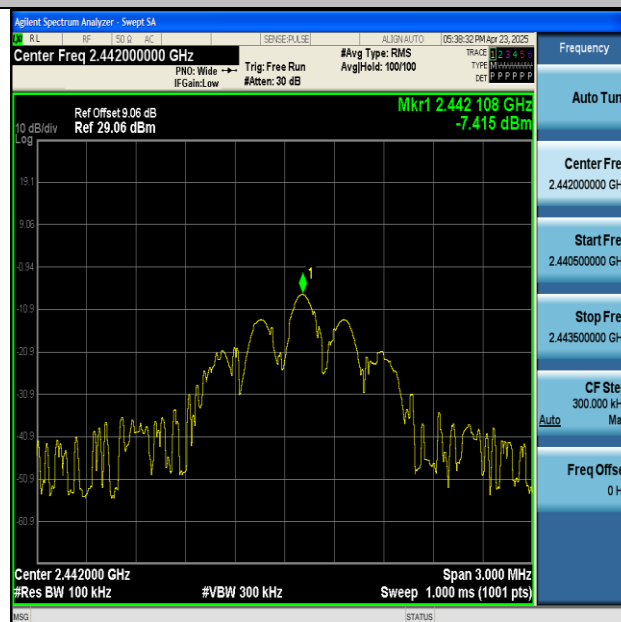
Note: offset(dB) in Reference test plots = cable loss(dB) + attenuator factor(dB); For spurious emissions plots from 30MHz to 26.5GHz, the cable loss and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

Test Graphs

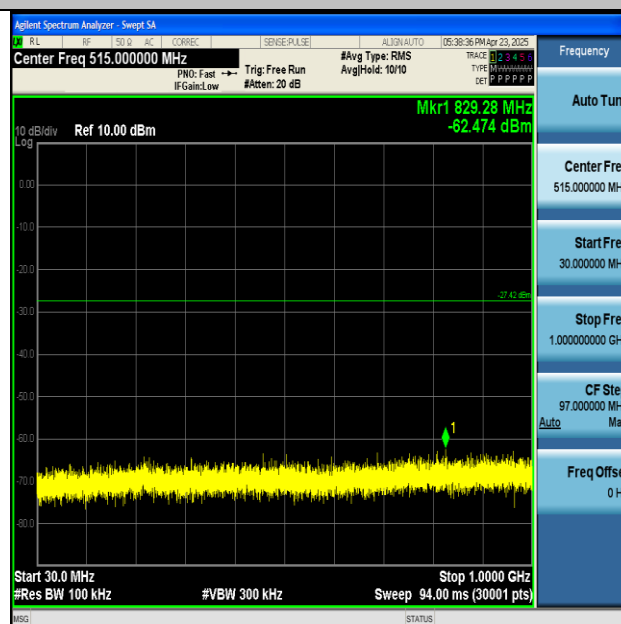




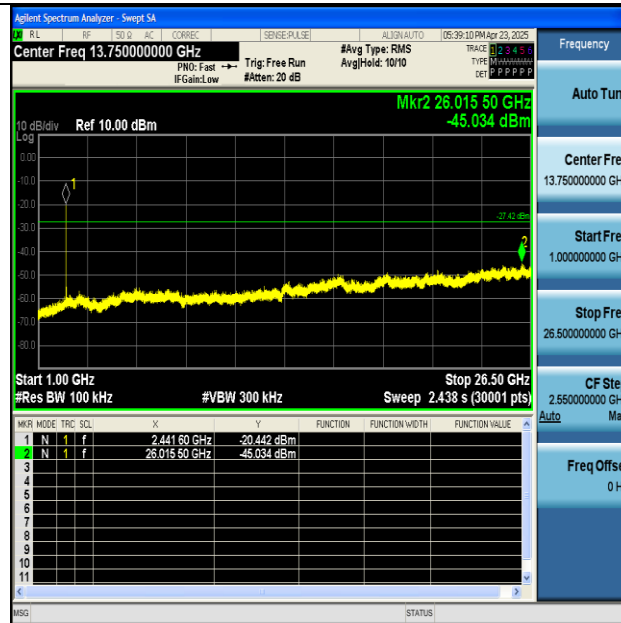
SRD-Ant1-2410-1000~26500-PASS



SRD-Ant1-2442-0~Reference-PASS



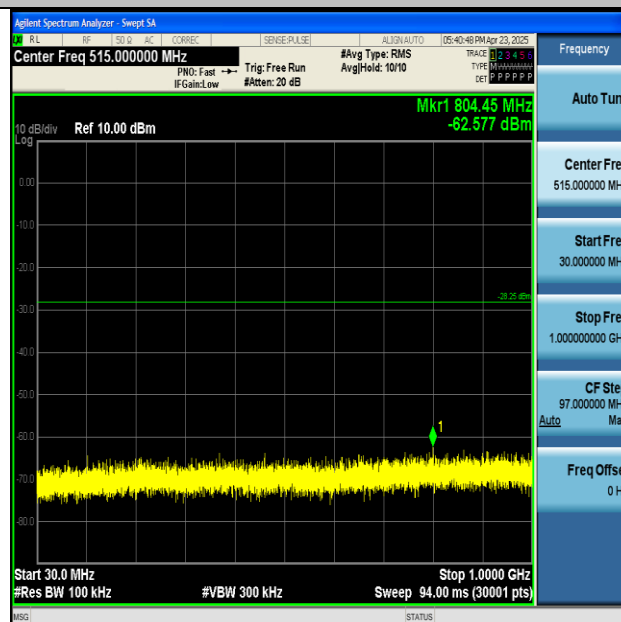
SRD-Ant1-2442-30~1000-PASS



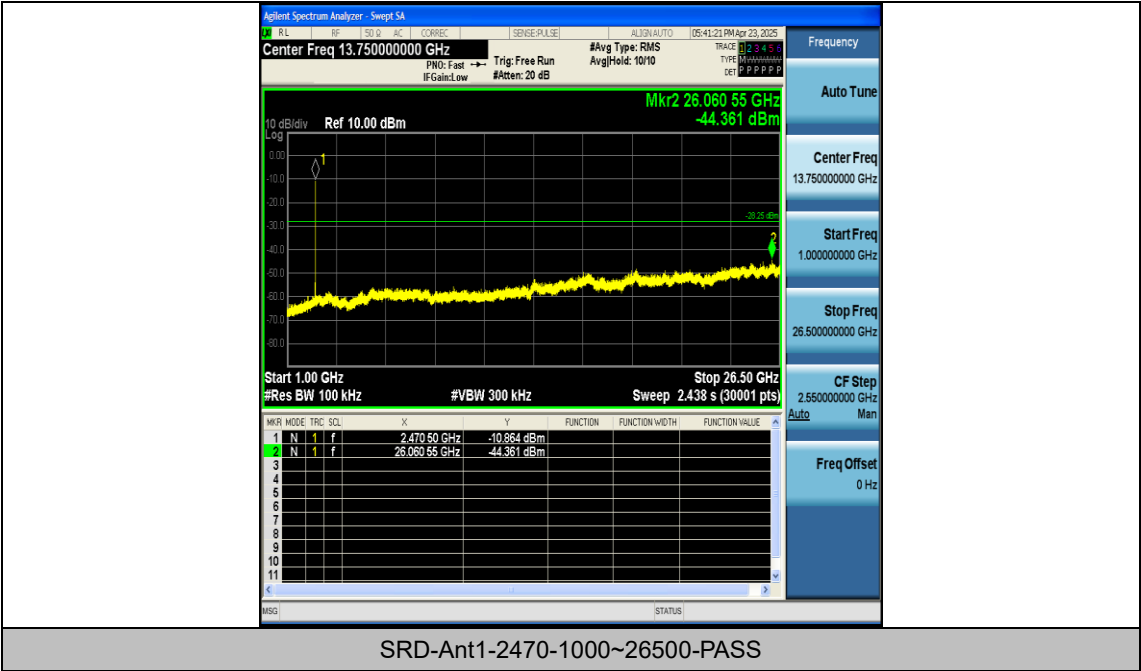
SRD-Ant1-2442-1000~26500-PASS



SRD-Ant1-2470-0~Reference-PASS



SRD-Ant1-2470-30~1000-PASS



Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
SRD	Ant1	2410	0.24	0.35	68.57	1.64
SRD	Ant1	2442	0.23	0.34	67.65	1.70
SRD	Ant1	2470	0.24	0.35	68.57	1.64

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs

