

Appendix Test Data for SRD (Conducted Measurement)

Product Name: R/C CAR

Trade Mark: /

Test Model: MO-RC15

FCC ID: 2BG8MMO-RC15

Environmental Conditions

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

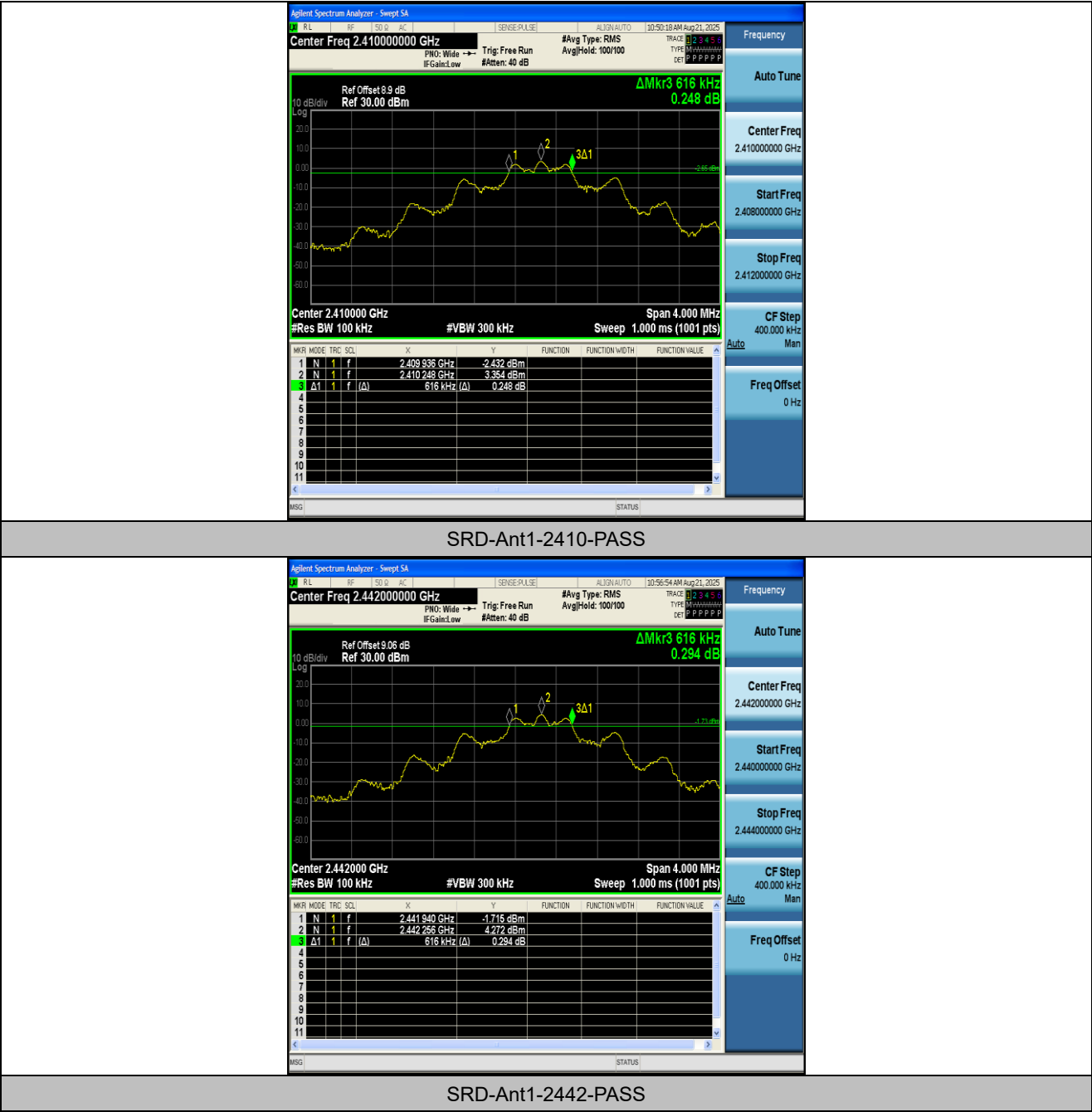
Appendix A: DTS Bandwidth

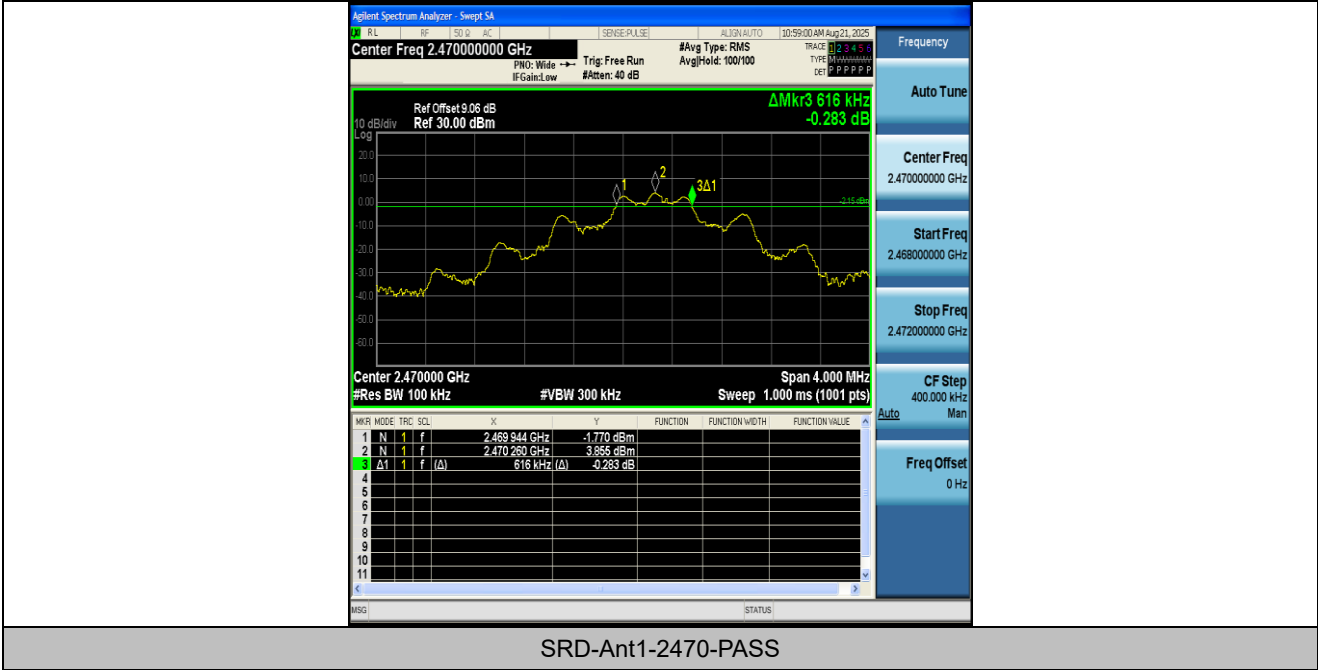
Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2410	0.616	2409.936	2410.552	0.5	PASS
SRD	Ant1	2442	0.616	2441.940	2442.556	0.5	PASS
SRD	Ant1	2470	0.616	2469.944	2470.560	0.5	PASS

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

Test Graphs





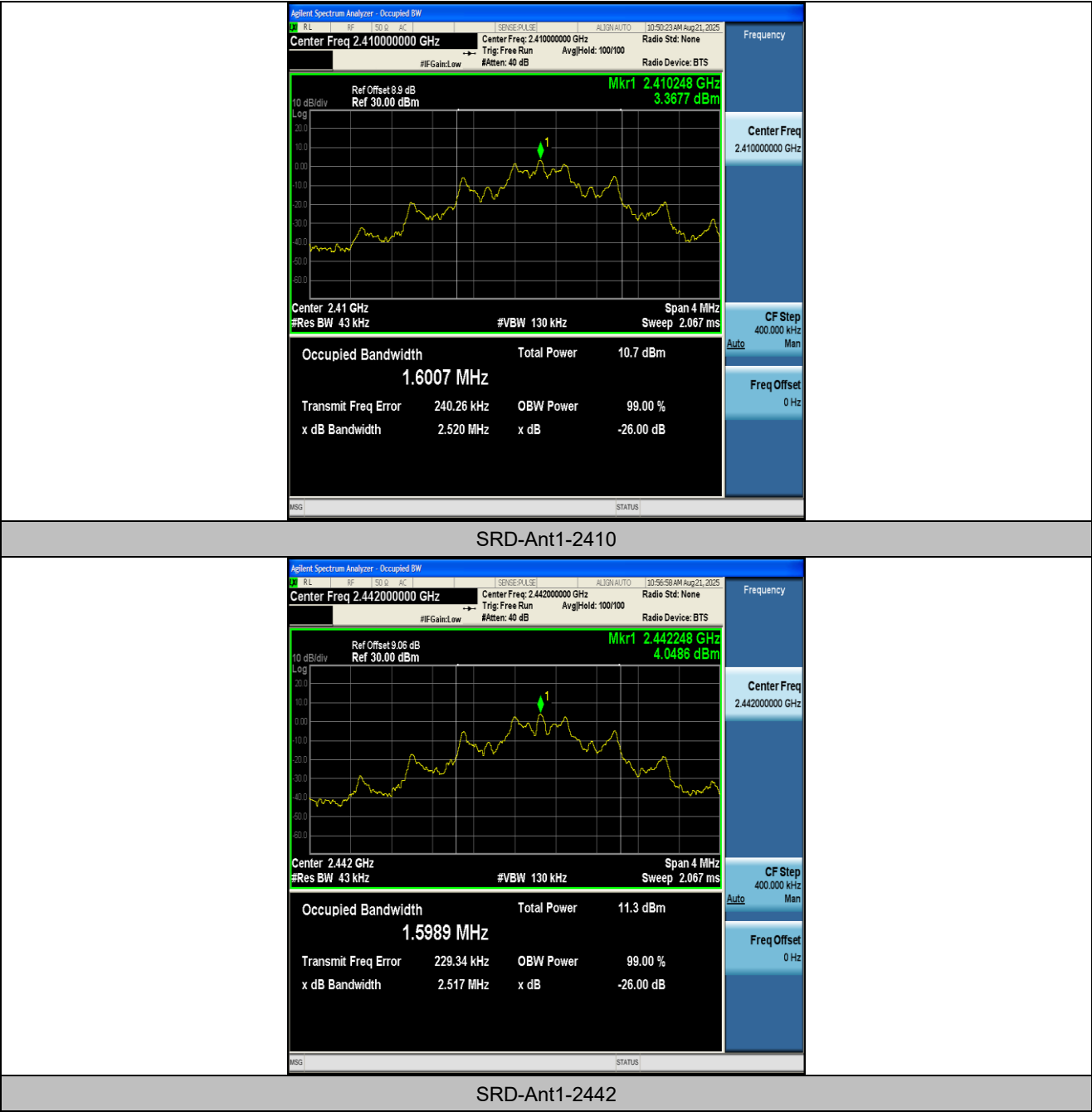
Appendix B: Occupied Channel Bandwidth

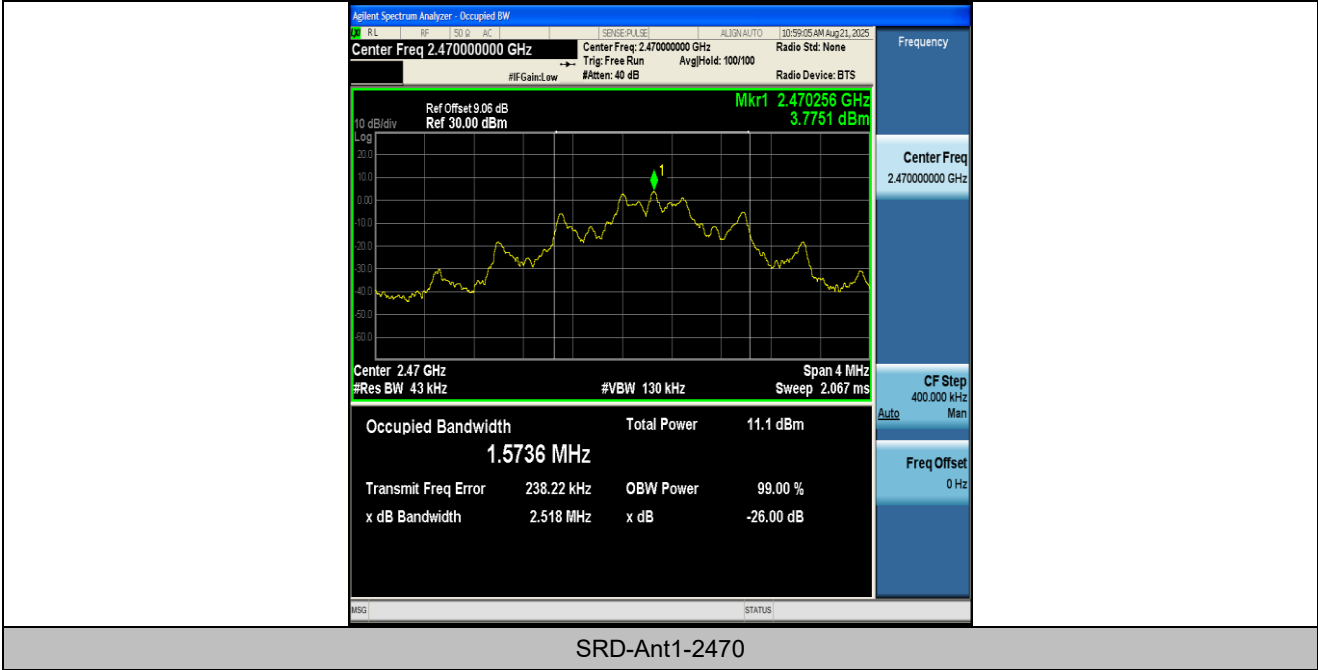
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2410	1.6007	2409.4399	2411.0406	---	---
SRD	Ant1	2442	1.5989	2441.4299	2443.0288	---	---
SRD	Ant1	2470	1.5736	2469.4514	2471.0250	---	---

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

Test Graphs





SRD-Ant1-2470

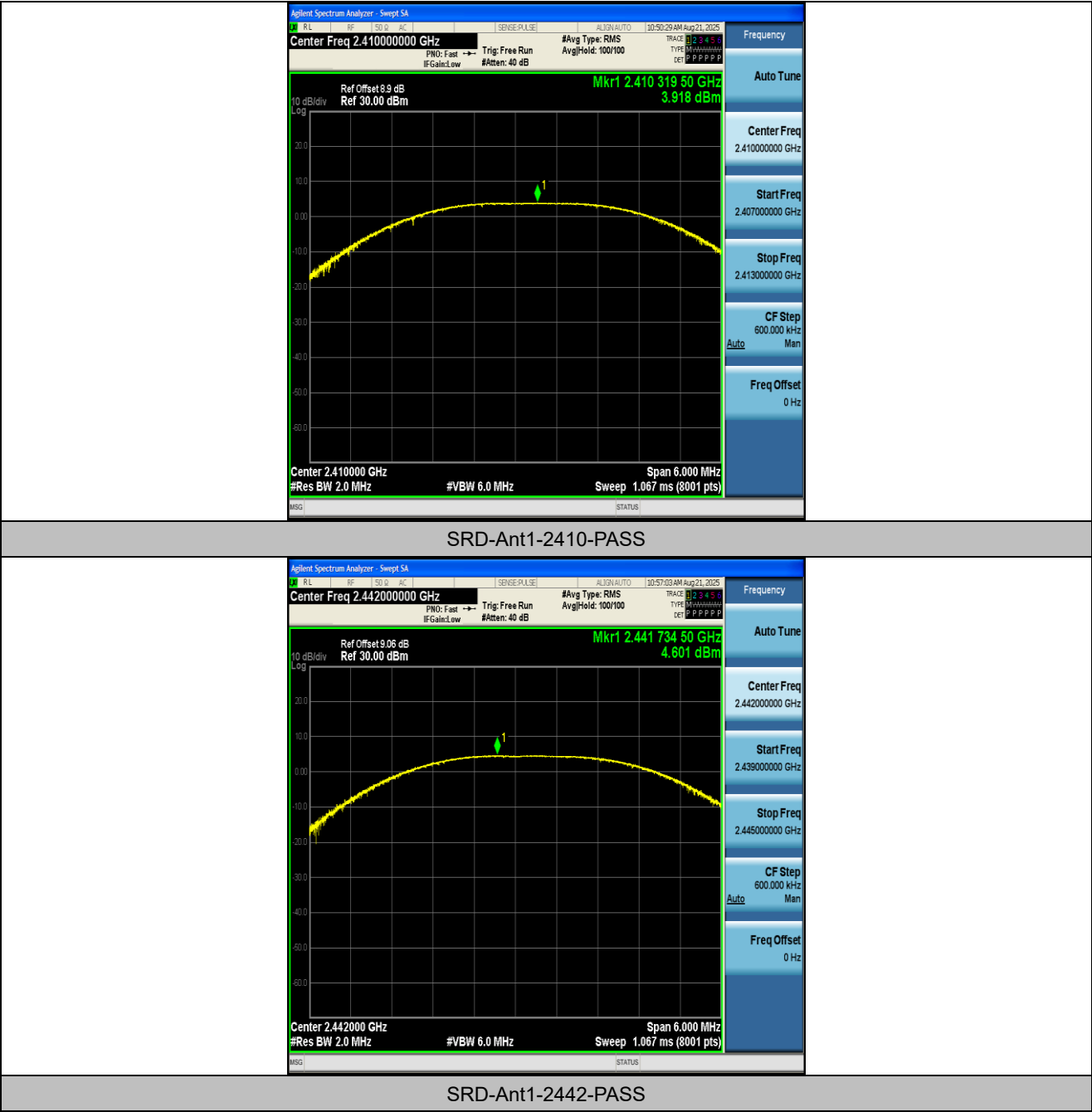
Appendix C: Maximum peak conducted output power

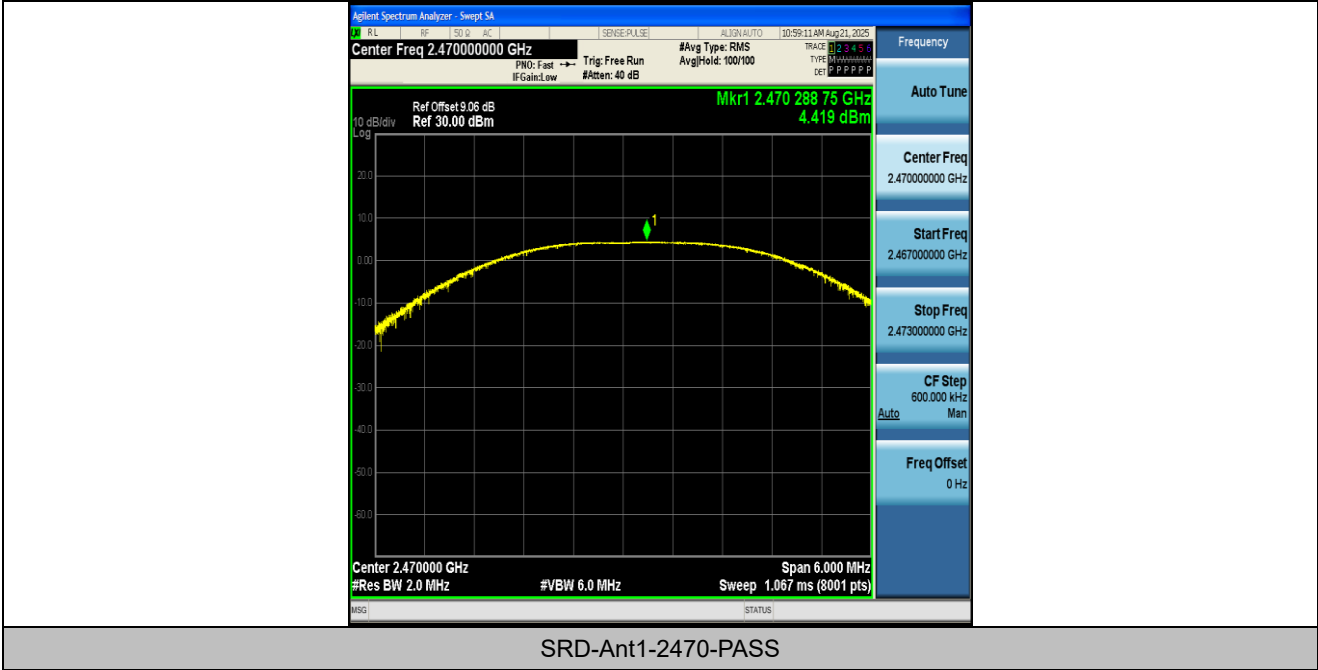
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2410	3.92	≤30	PASS
SRD	Ant1	2442	4.60	≤30	PASS
SRD	Ant1	2470	4.42	≤30	PASS

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

Test Graphs Peak





Appendix D: Maximum peak power spectral density

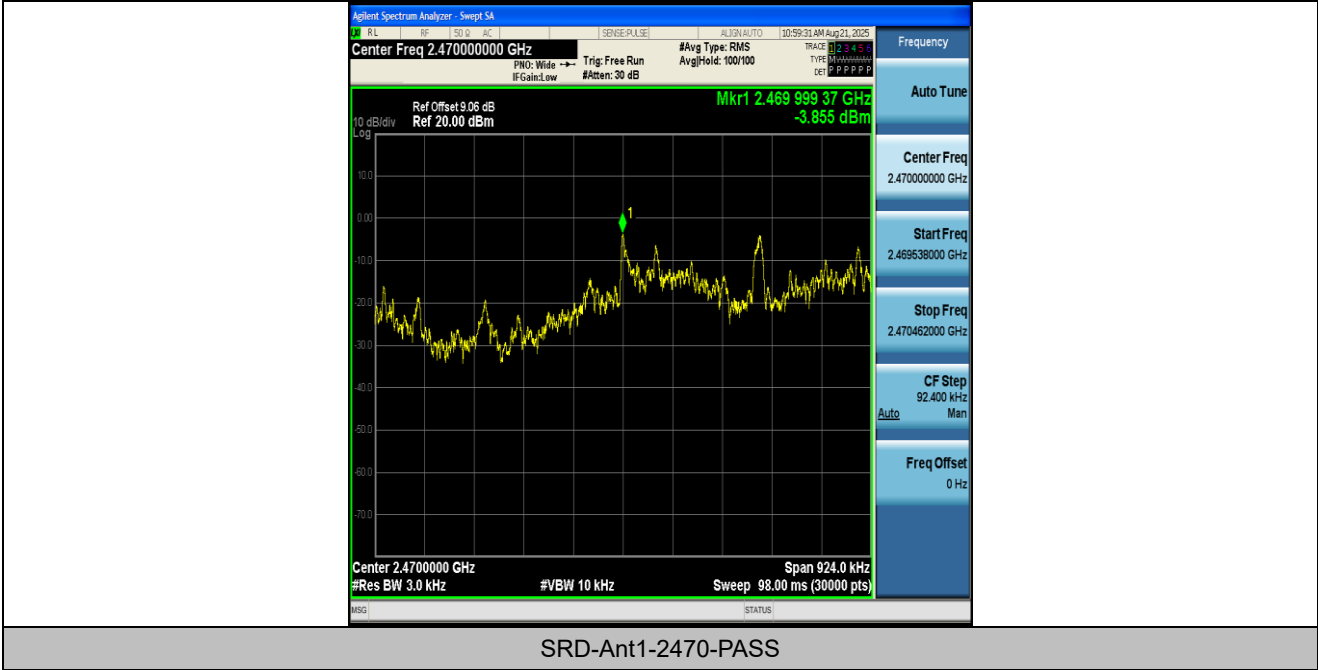
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2410	-4.66	≤8.00	PASS
SRD	Ant1	2442	-3.88	≤8.00	PASS
SRD	Ant1	2470	-3.86	≤8.00	PASS

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

Test Graphs





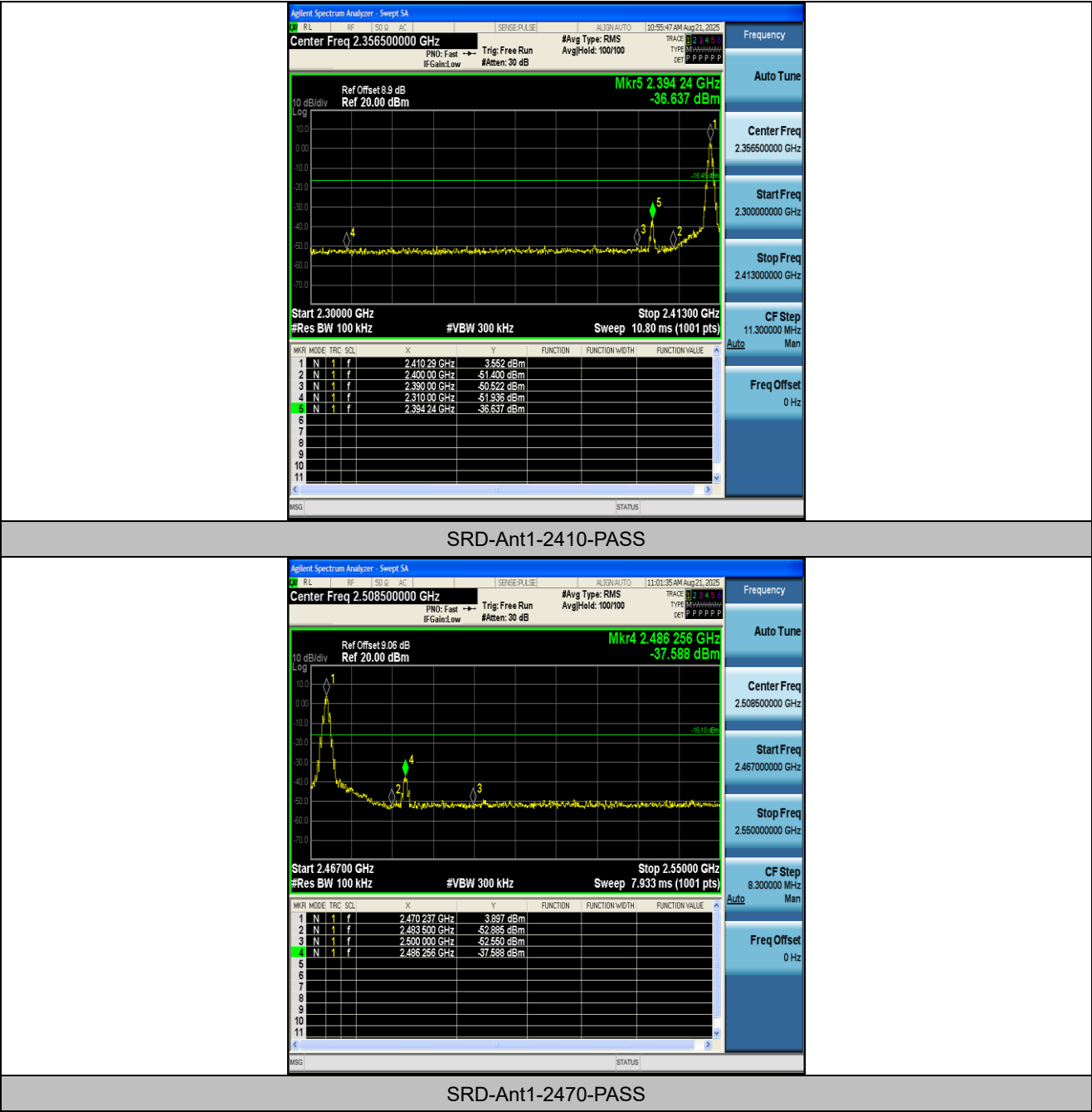
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2410	3.55	-36.64	≤-16.45	PASS
SRD	Ant1	High	2470	3.90	-37.59	≤-16.1	PASS

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

Test Graphs



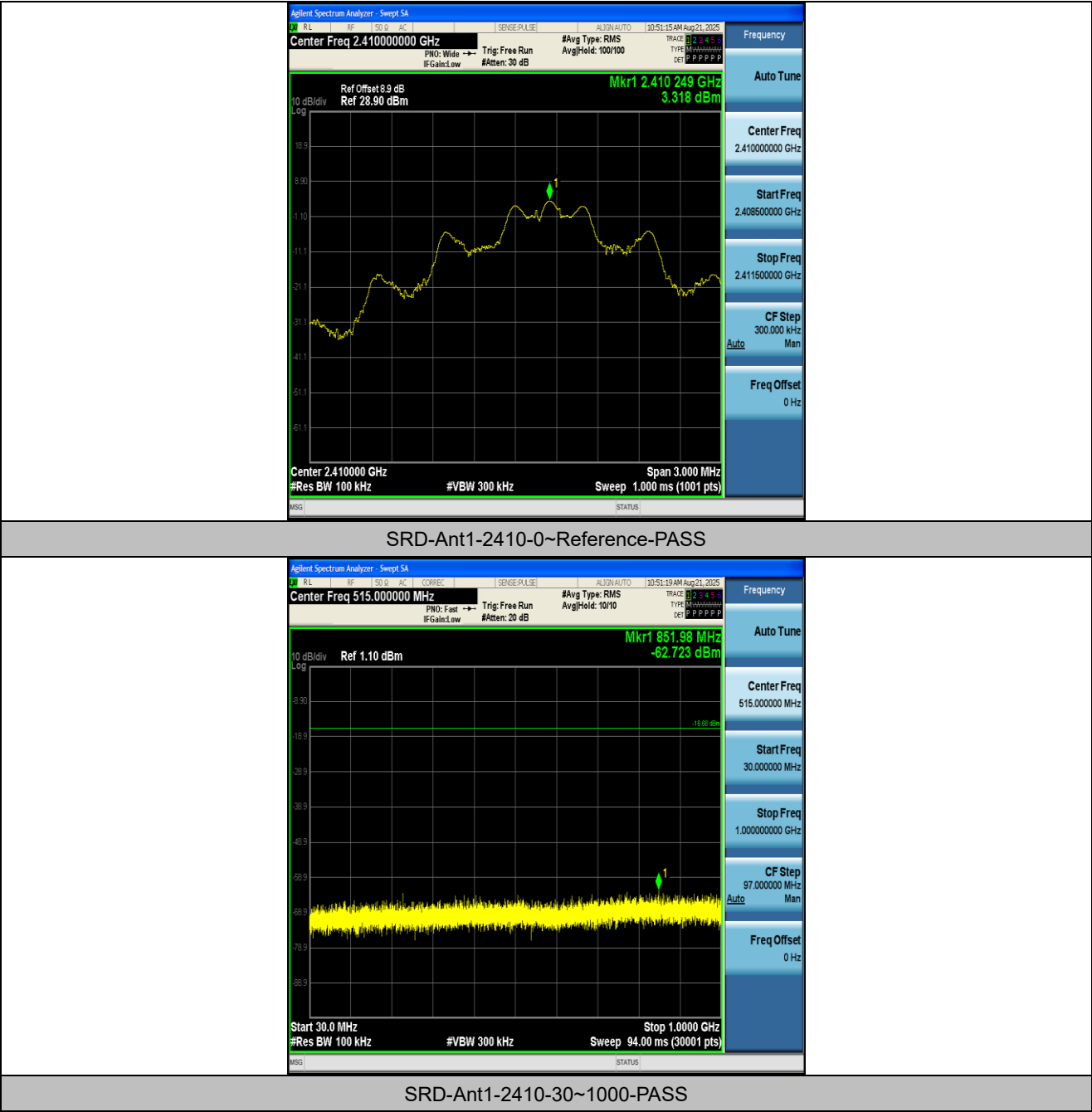
Appendix F: Conducted Spurious Emission

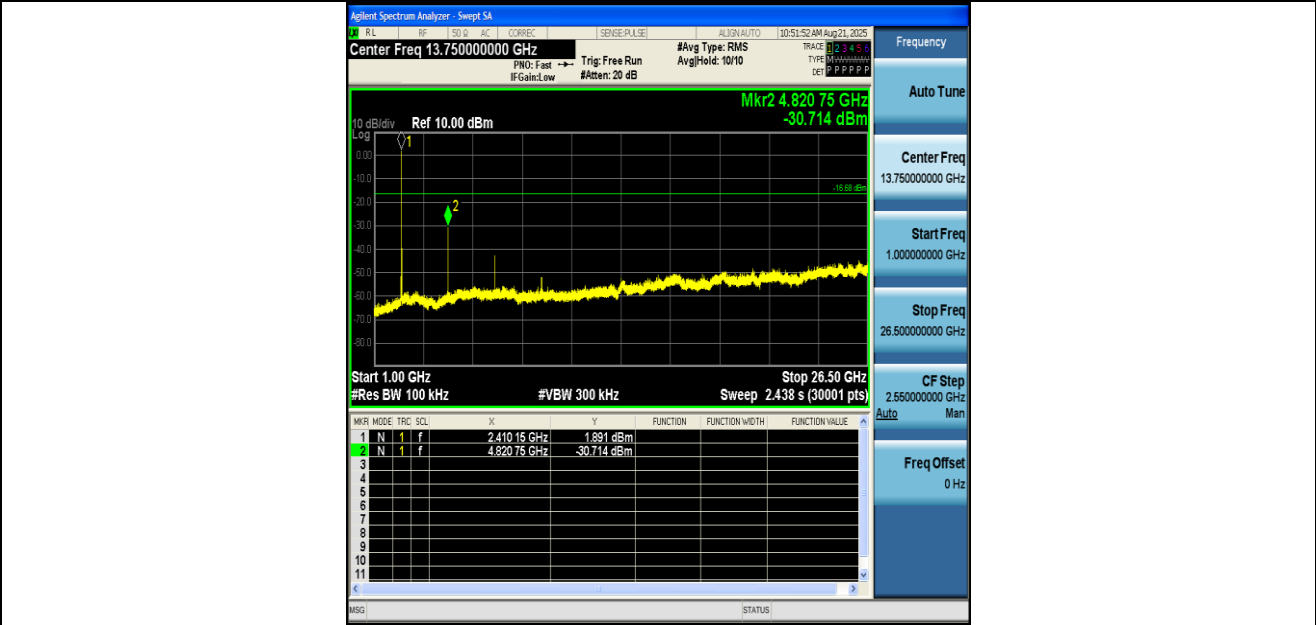
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2410	0~Reference	3.32	3.32	---	PASS
SRD	Ant1	2410	30~1000	3.32	-62.72	≤-16.68	PASS
SRD	Ant1	2410	1000~26500	3.32	-30.71	≤-16.68	PASS
SRD	Ant1	2442	0~Reference	4.20	4.20	---	PASS
SRD	Ant1	2442	30~1000	4.20	-61.47	≤-15.8	PASS
SRD	Ant1	2442	1000~26500	4.20	-34.38	≤-15.8	PASS
SRD	Ant1	2470	0~Reference	4.09	4.09	---	PASS
SRD	Ant1	2470	30~1000	4.09	-63.04	≤-15.91	PASS
SRD	Ant1	2470	1000~26500	4.09	-31.53	≤-15.91	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

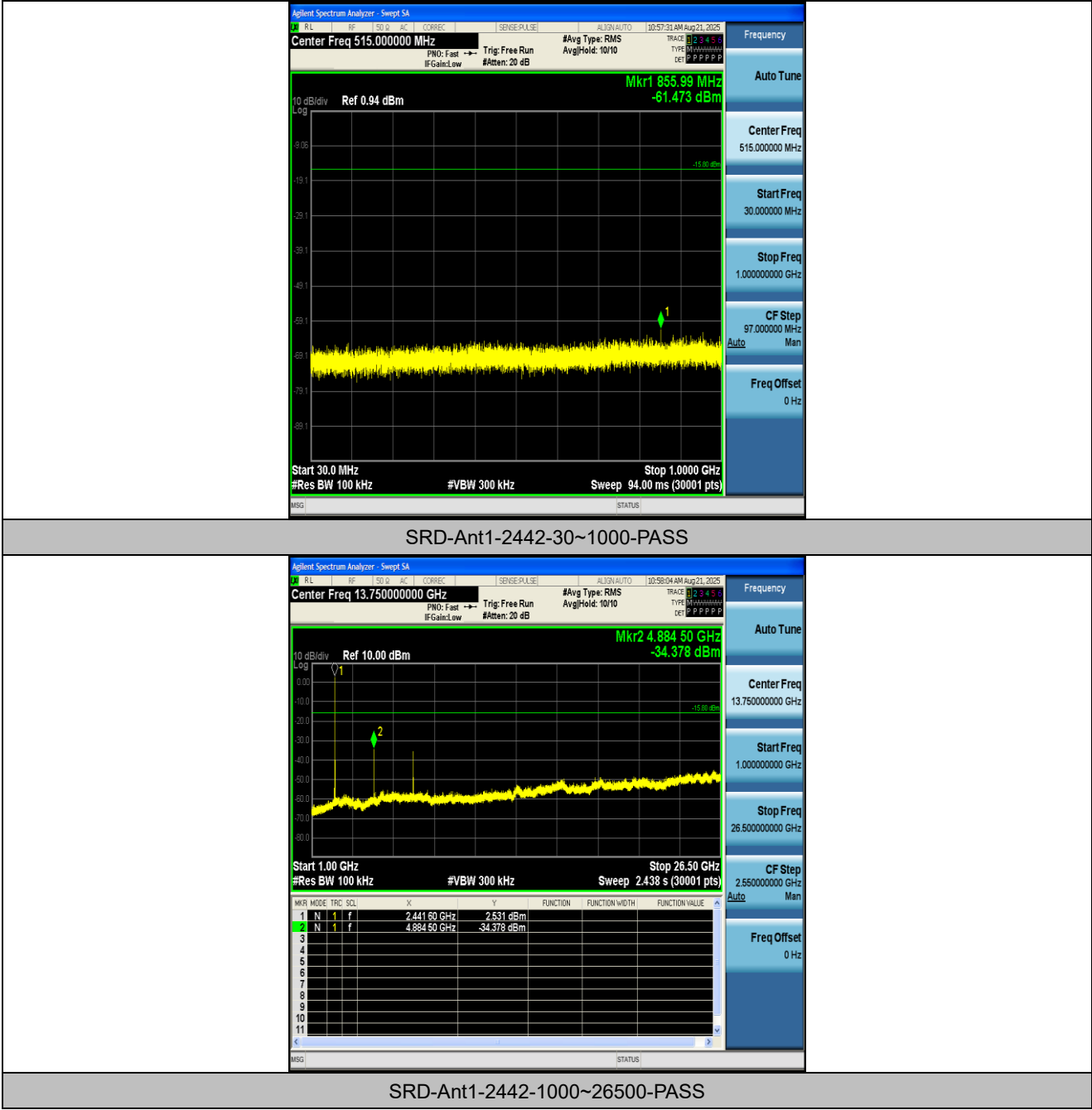




SRD-Ant1-2410-1000~26500-PASS

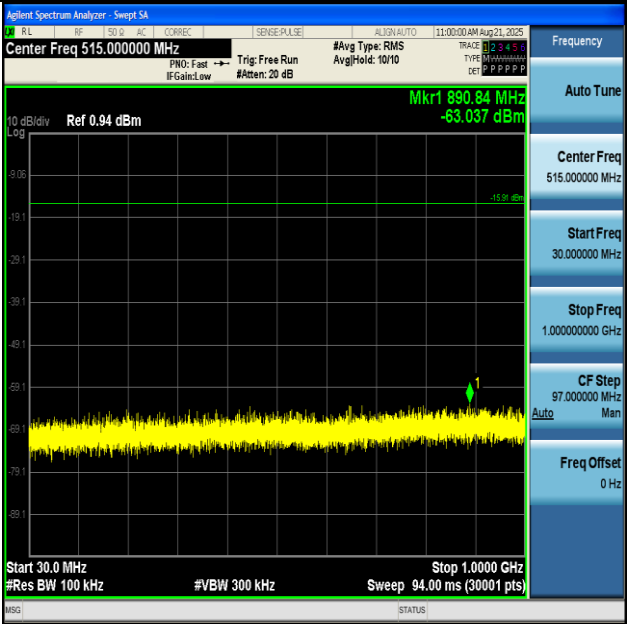


SRD-Ant1-2442-0~Reference-PASS

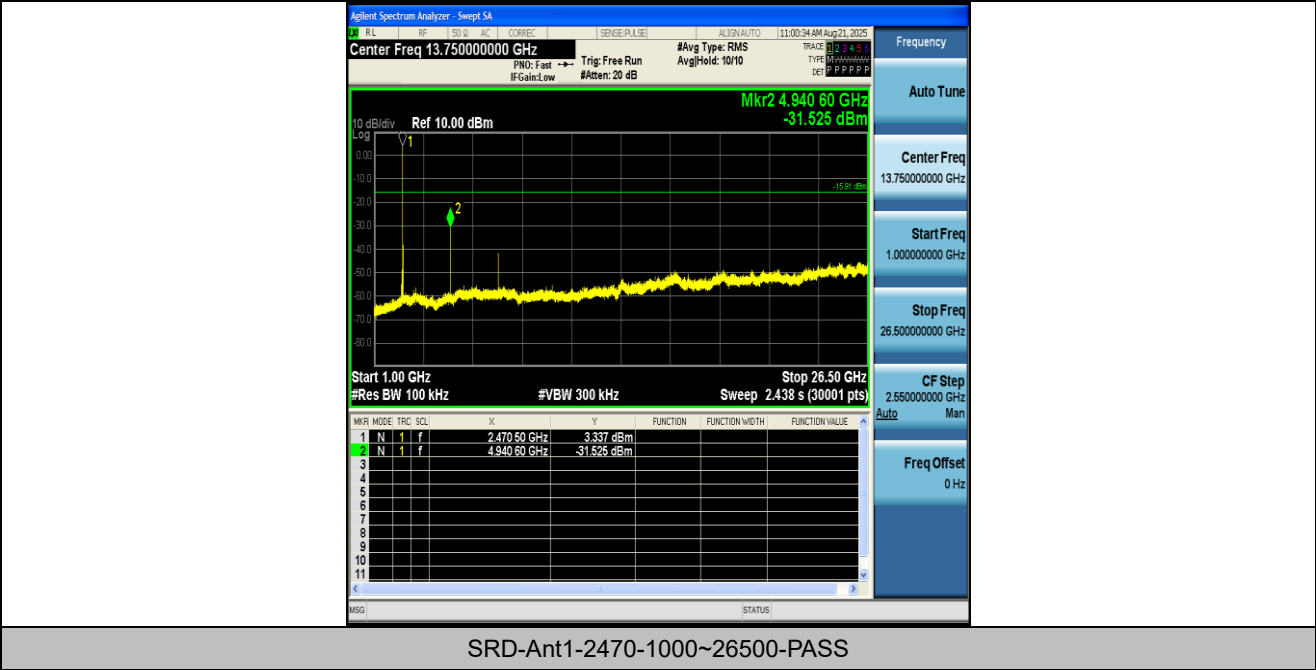




SRD-Ant1-2470-0~Reference-PASS



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	0.99	1.59	62.26	2.06
SRD	Ant1	2442	0.99	1.59	62.26	2.06
SRD	Ant1	2470	1.00	1.60	62.50	2.04

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

Test Graphs

