

Appendix Test Data for SRD (Conducted Measurement)

Product Name: RC CAR

Trade Mark: suangrc

Test Model: LH-C093S

FCC ID: 2BOLWSA4103

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

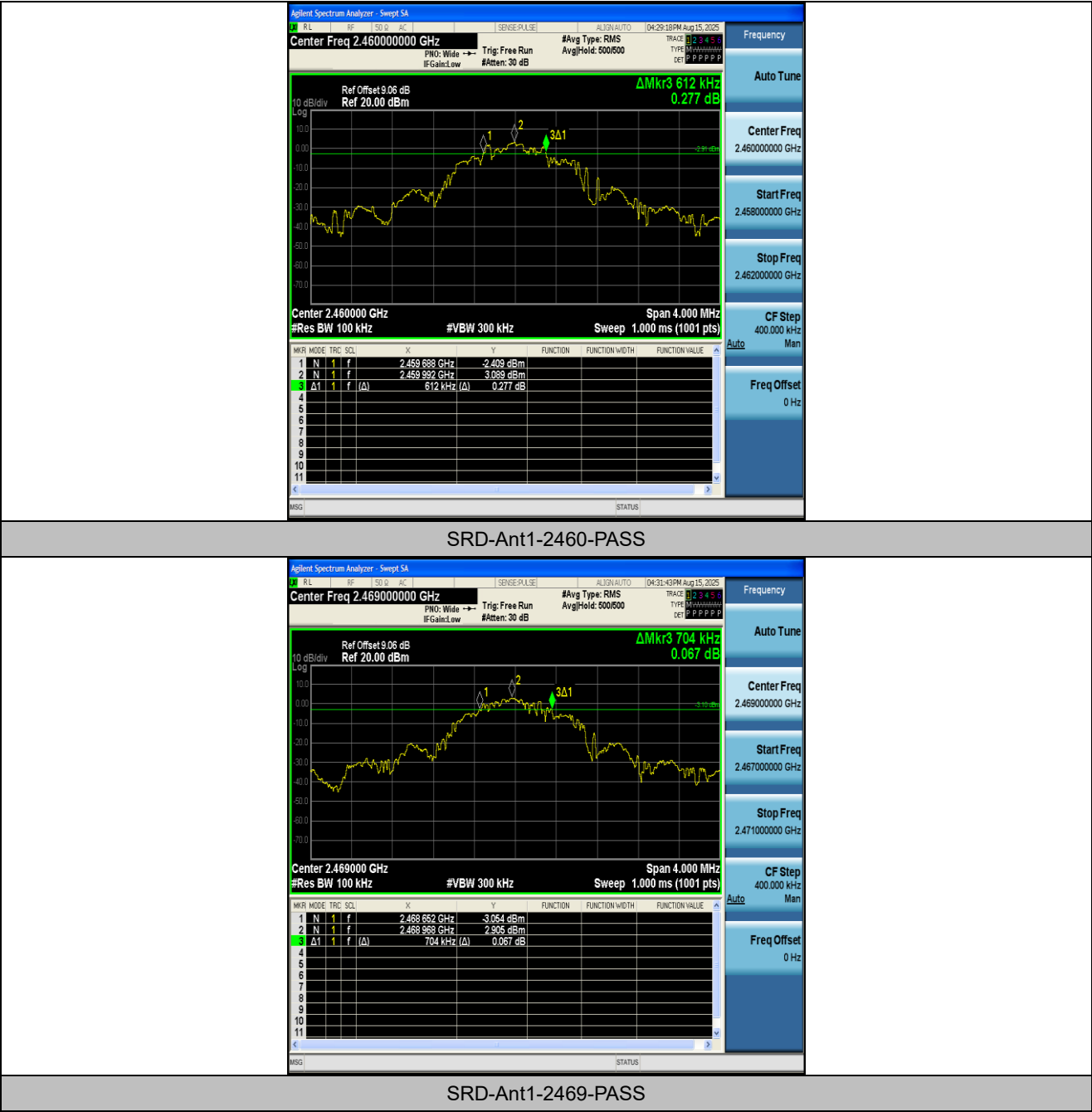
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2460	0.612	2459.688	2460.300	0.5	PASS
SRD	Ant1	2469	0.704	2468.652	2469.356	0.5	PASS
SRD	Ant1	2475	0.692	2474.632	2475.324	0.5	PASS

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

Test Graphs





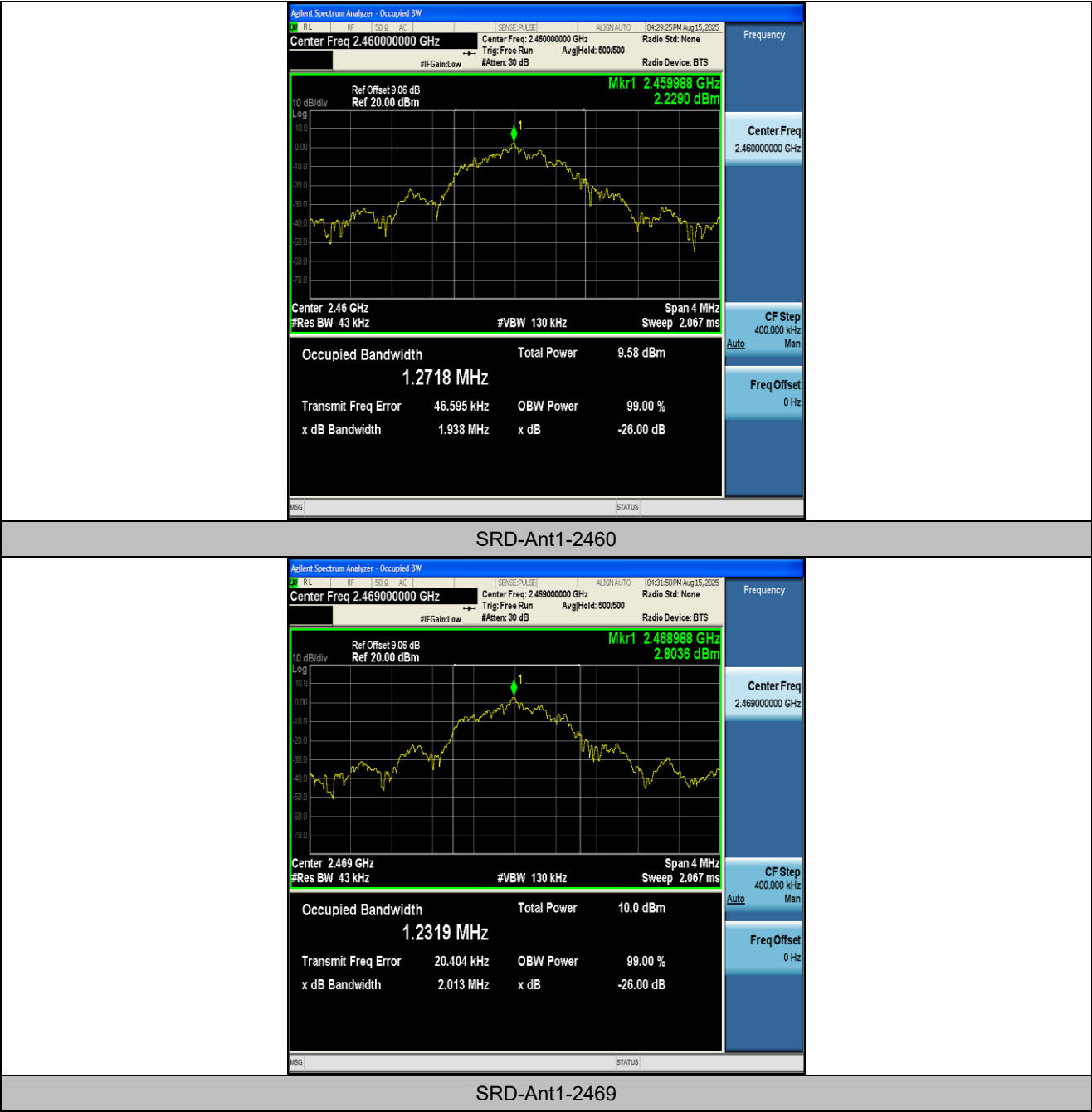
Appendix B: Occupied Channel Bandwidth

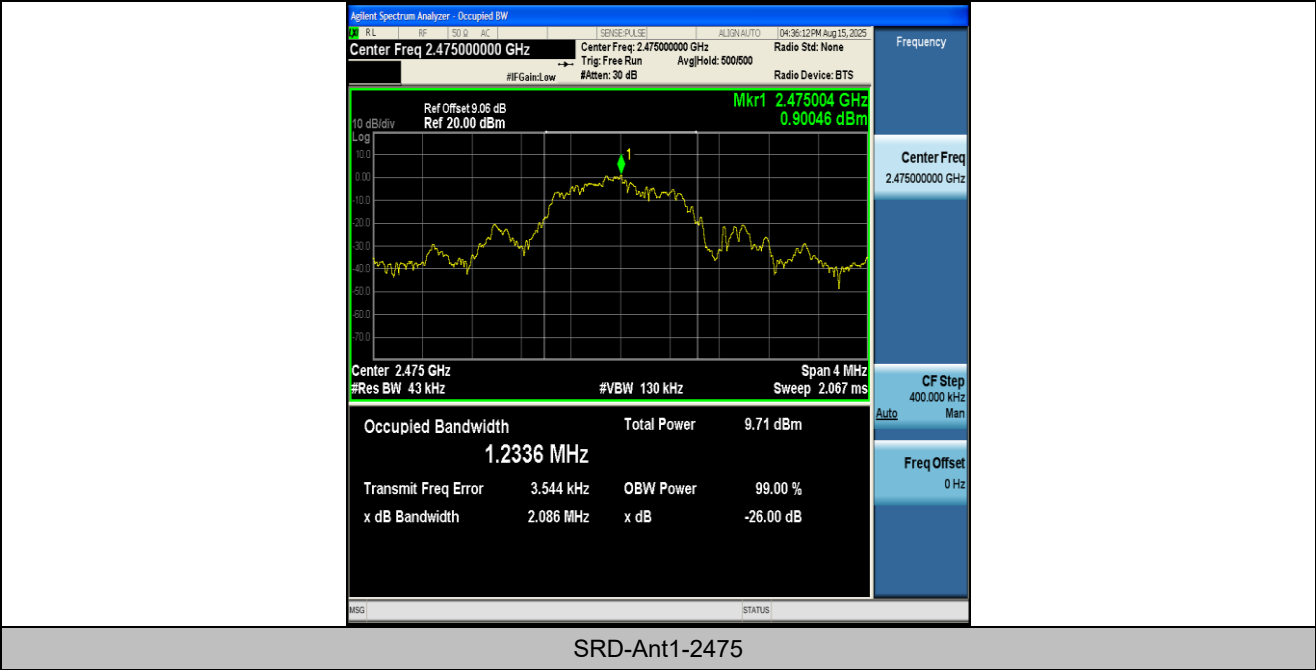
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2460	1.2718	2459.4107	2460.6825	---	---
SRD	Ant1	2469	1.2319	2468.4045	2469.6364	---	---
SRD	Ant1	2475	1.2336	2474.3867	2475.6203	---	---

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

Test Graphs





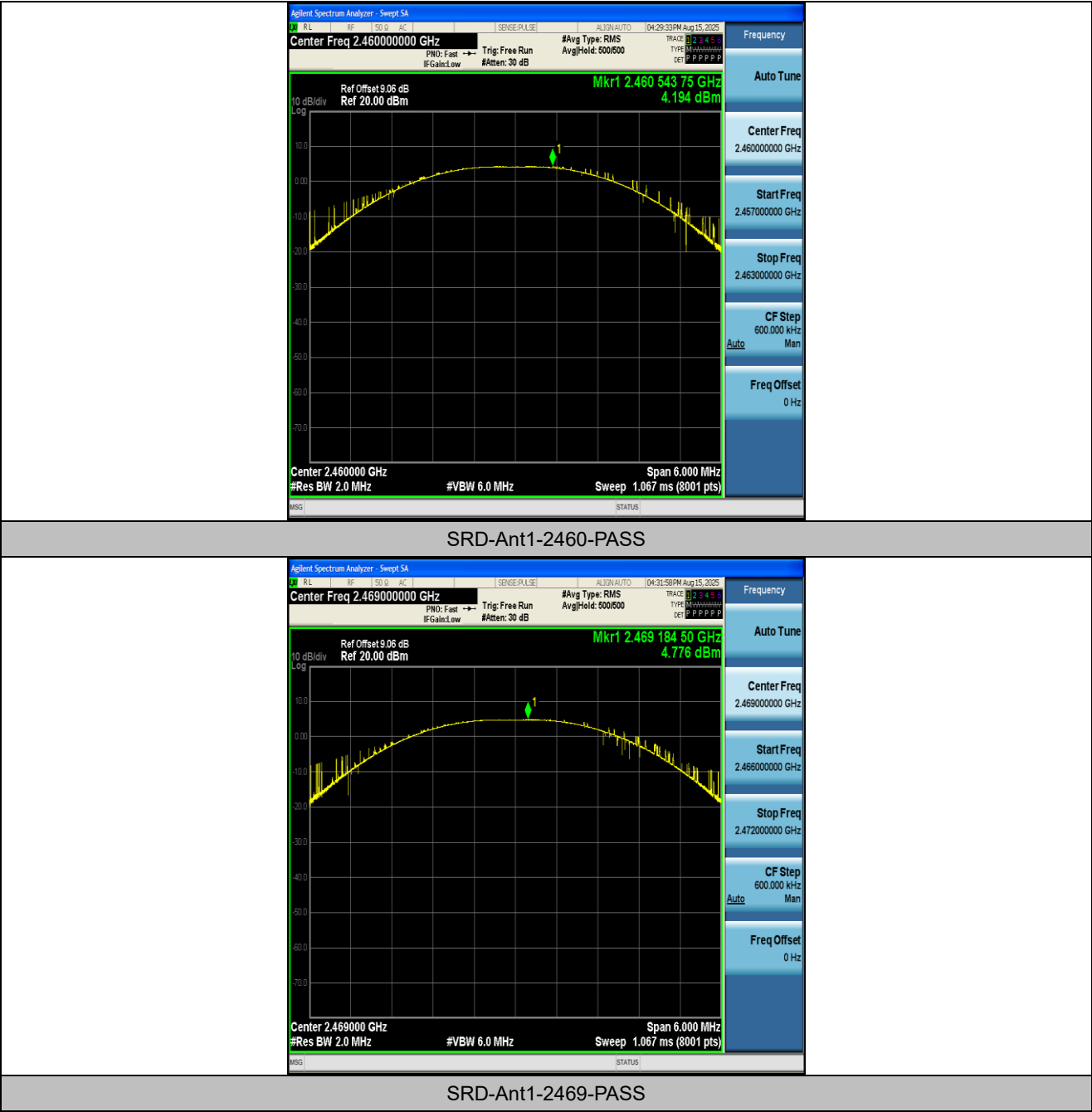
Appendix C: Maximum peak conducted output power

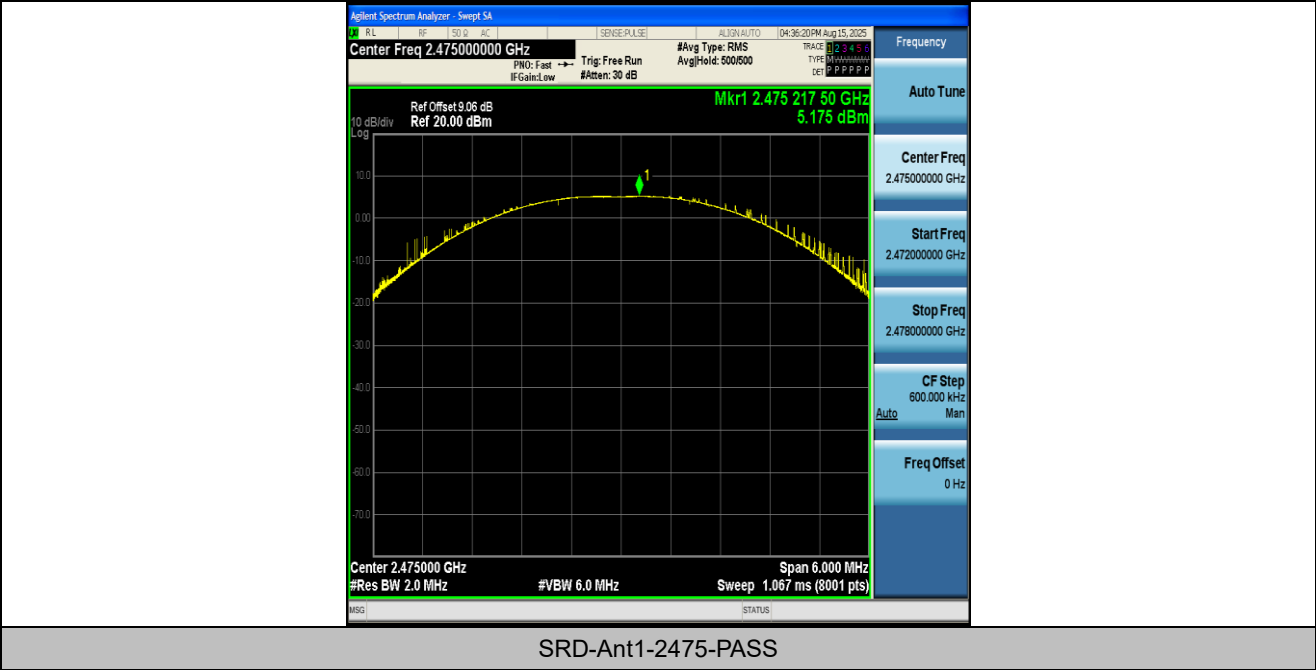
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2460	4.19	≤30	PASS
SRD	Ant1	2469	4.78	≤30	PASS
SRD	Ant1	2475	5.18	≤30	PASS

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

Test Graphs Peak





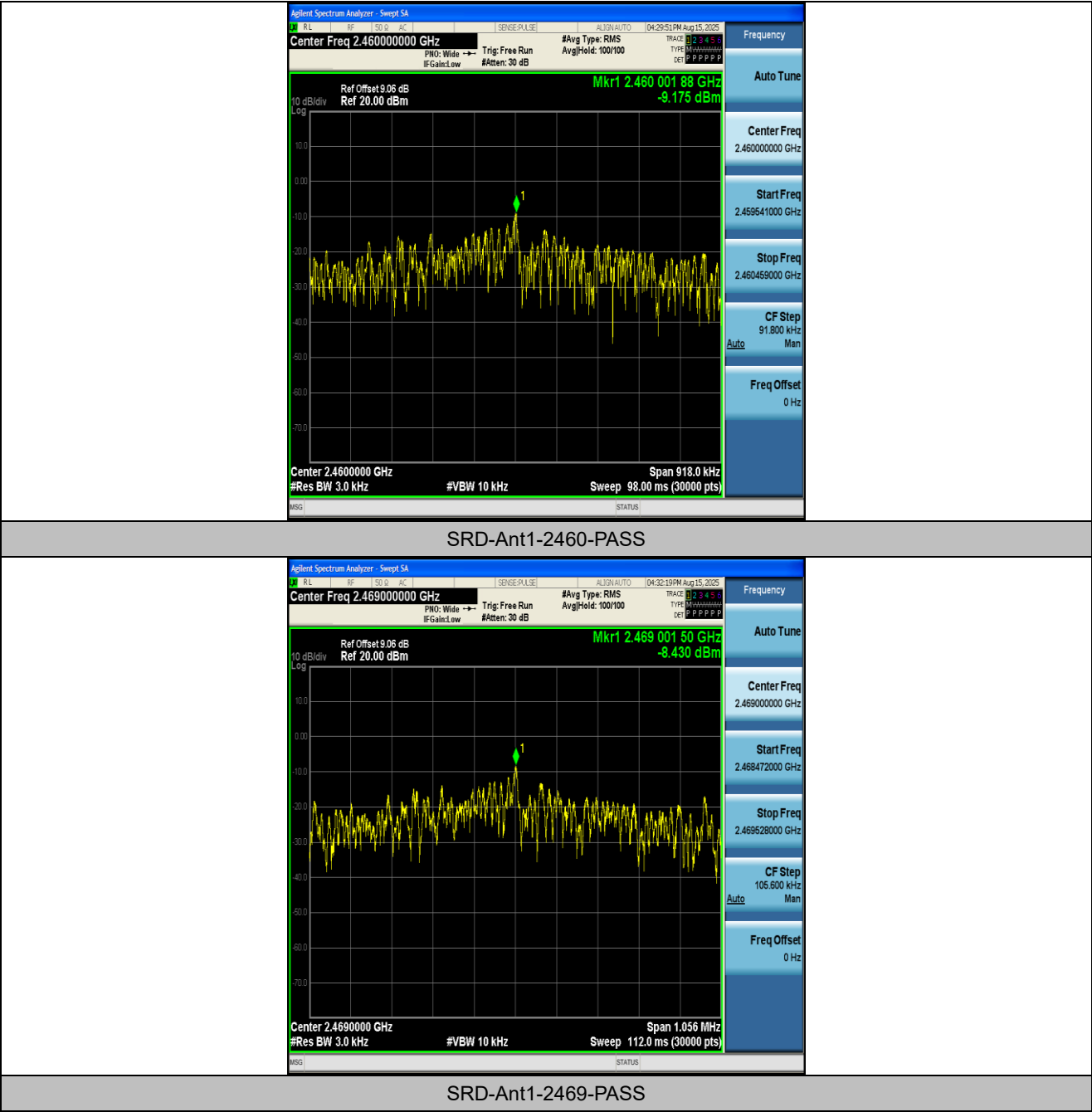
Appendix D: Maximum peak power spectral density

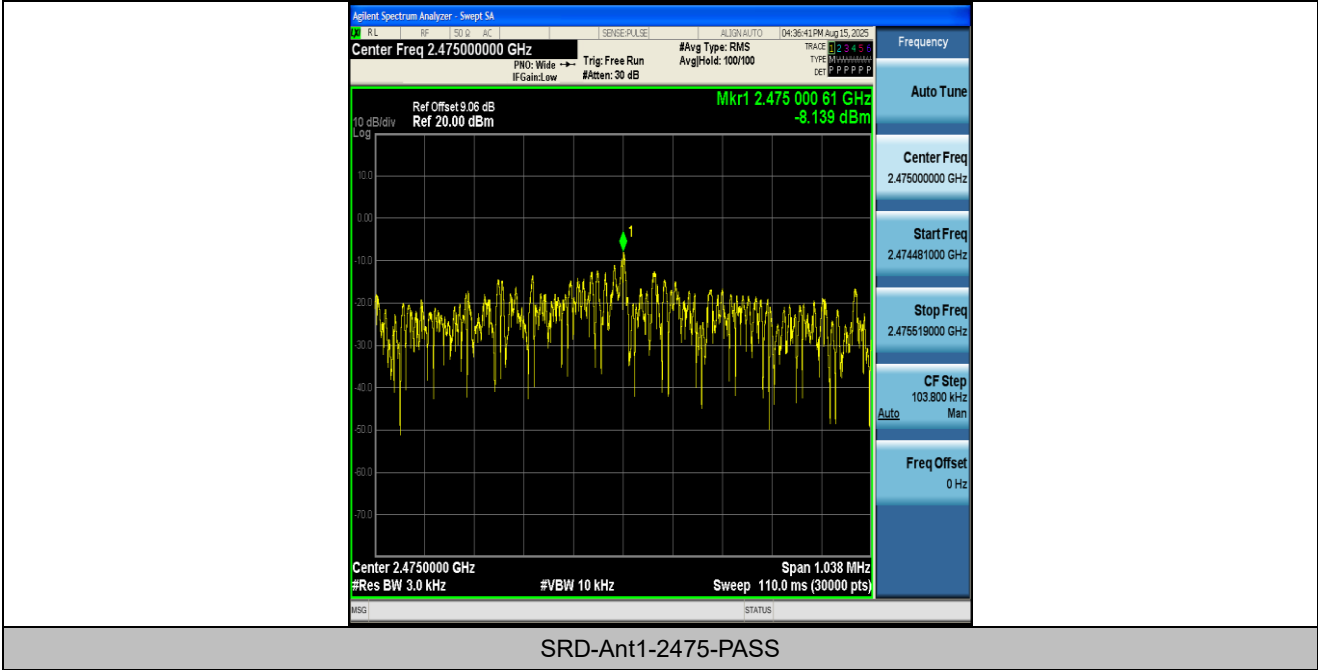
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2460	-9.18	≤8.00	PASS
SRD	Ant1	2469	-8.43	≤8.00	PASS
SRD	Ant1	2475	-8.14	≤8.00	PASS

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

Test Graphs





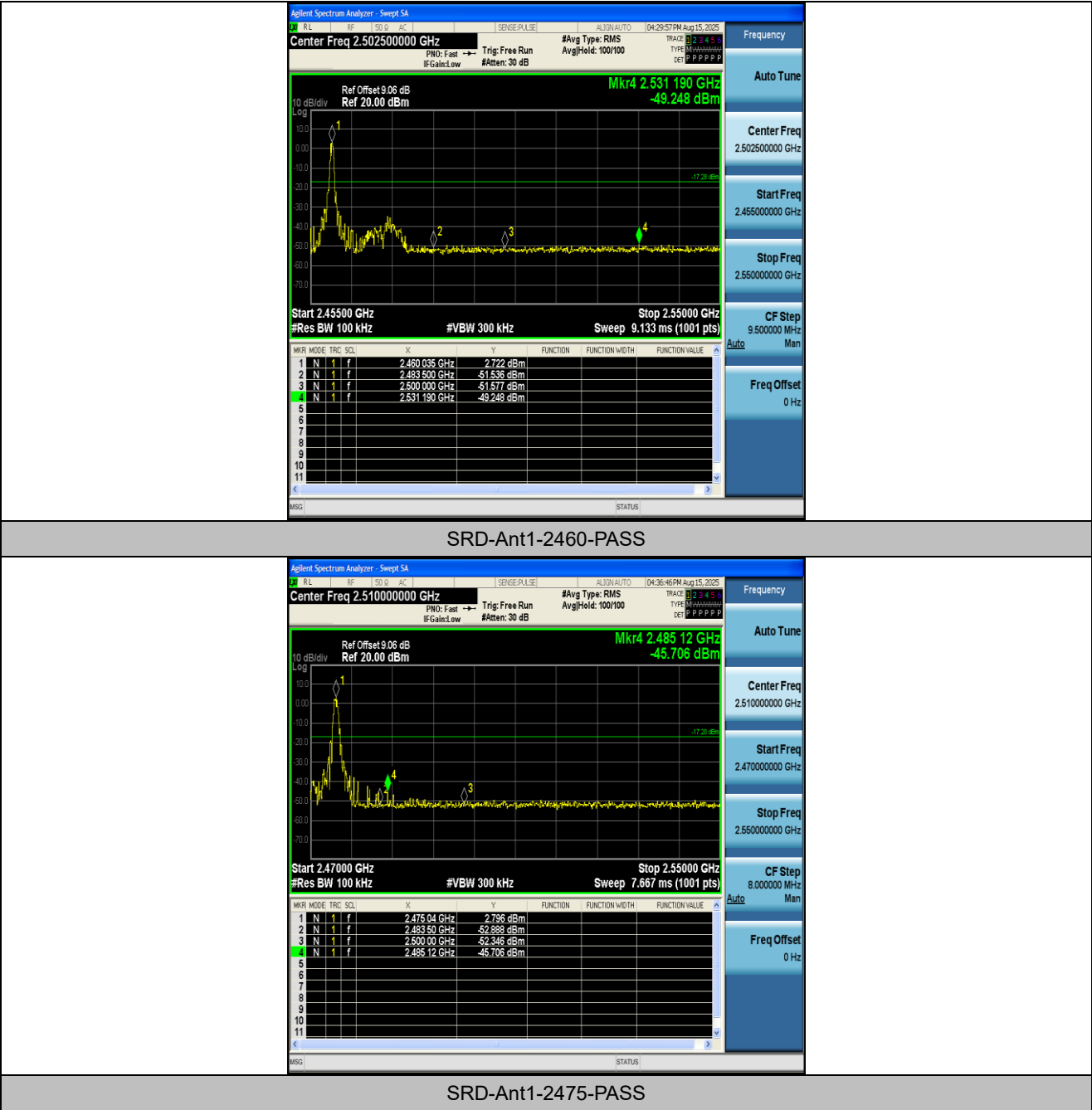
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	High	2460	2.72	-49.25	≤ -17.28	PASS
SRD	Ant1	High	2475	2.80	-45.71	≤ -17.2	PASS

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

Test Graphs



Appendix F: Conducted Spurious Emission

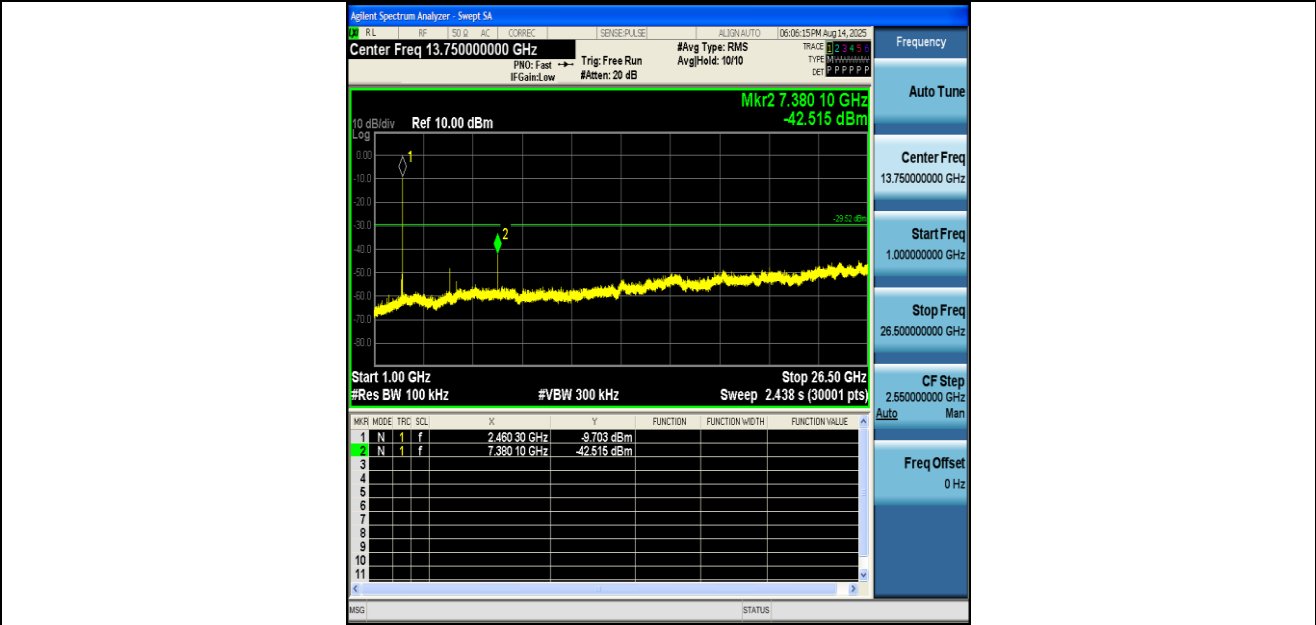
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2460	0~Reference	-9.52	-9.52	---	PASS
SRD	Ant1	2460	30~1000	-9.52	-55	≤ -29.52	PASS
SRD	Ant1	2460	1000~26500	-9.52	-42.52	≤ -29.52	PASS
SRD	Ant1	2469	0~Reference	-3.51	-3.51	---	PASS
SRD	Ant1	2469	30~1000	-3.51	-53.57	≤ -23.51	PASS
SRD	Ant1	2469	1000~26500	-3.51	-40.62	≤ -23.51	PASS
SRD	Ant1	2475	0~Reference	-4.58	-4.58	---	PASS
SRD	Ant1	2475	30~1000	-4.58	-53.9	≤ -24.58	PASS
SRD	Ant1	2475	1000~26500	-4.58	-41.28	≤ -24.58	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

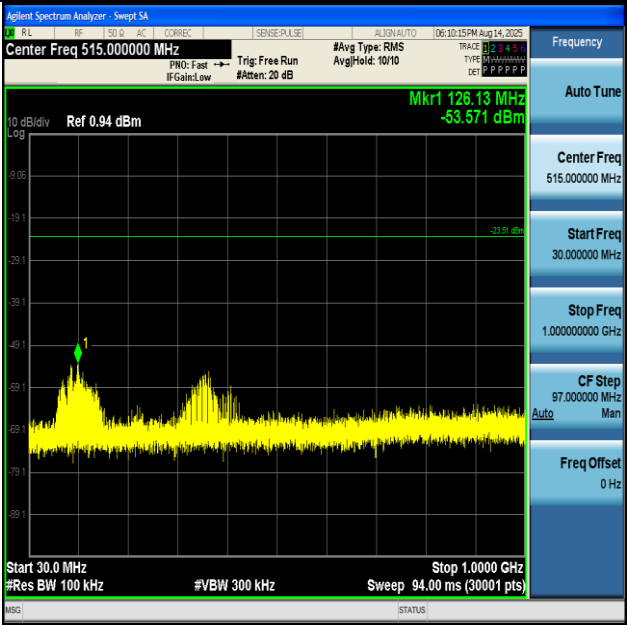




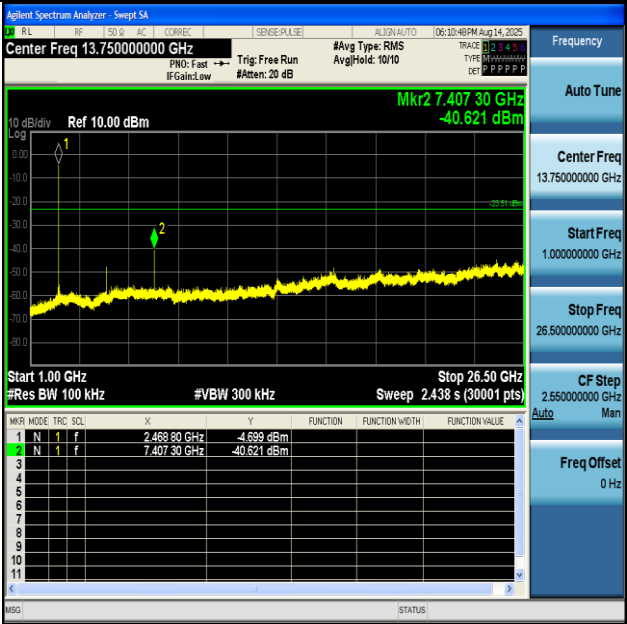
SRD-Ant1-2460-1000~26500-PASS



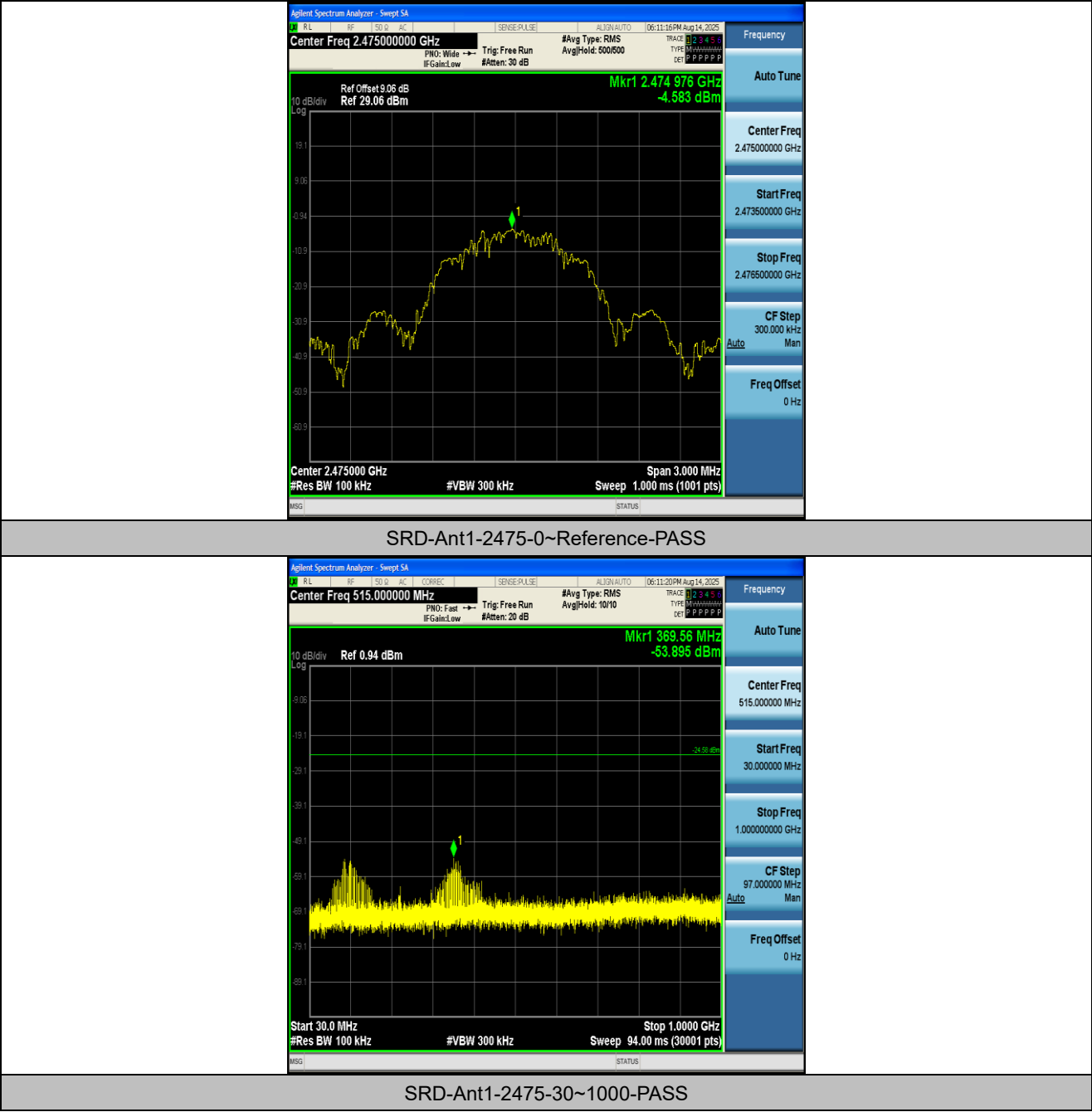
SRD-Ant1-2469-0~Reference-PASS

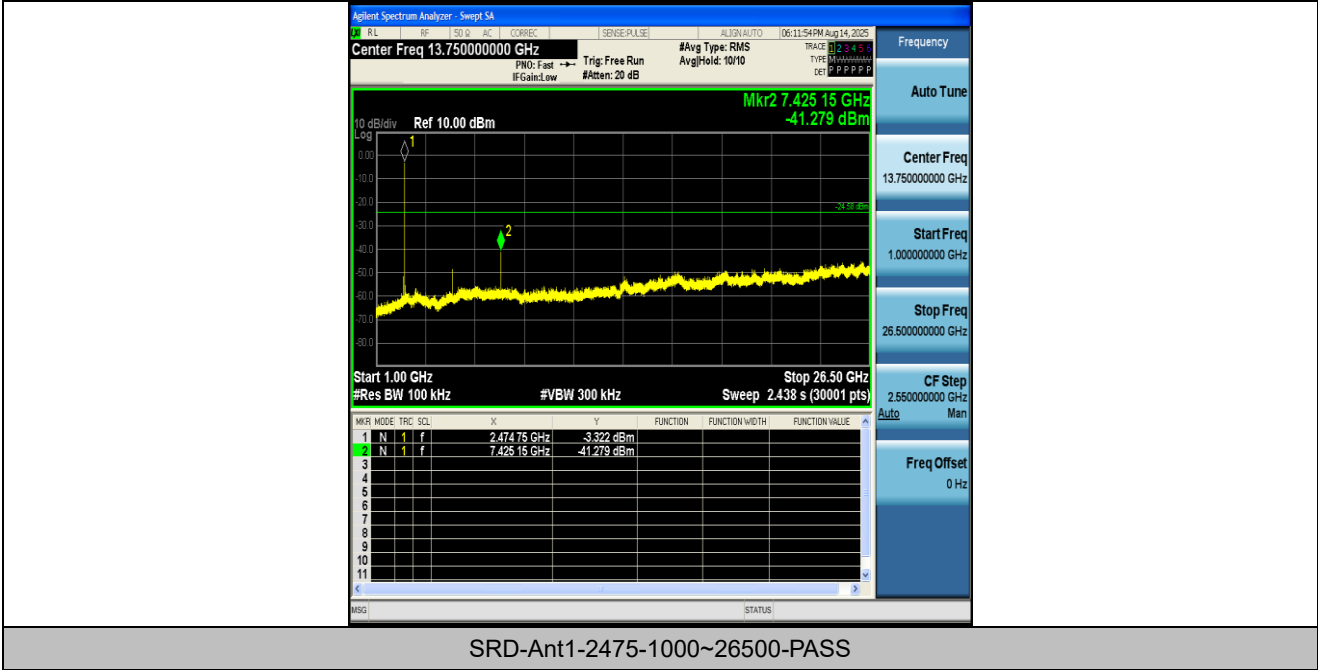


SRD-Ant1-2469-30~1000-PASS



SRD-Ant1-2469-1000~26500-PASS





SRD-Ant1-2475-1000~26500-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	2460	0.18	7.42	2.43	16.14
SRD	Ant1	2469	0.18	7.42	2.43	16.14
SRD	Ant1	2475	0.18	7.42	2.43	16.14

Note: $\text{offset(dB)} = \text{cable loss(dB)} + \text{attenuator factor(dB)}$

Test Graphs

