

Appendix Test Data for SRD(Conducted Measurement)

Product Name: Unicorn Bubble Car

Trade Mark: /

Test Model: TG1029

FCC ID: QV7-GC88752-110

Environmental Conditions

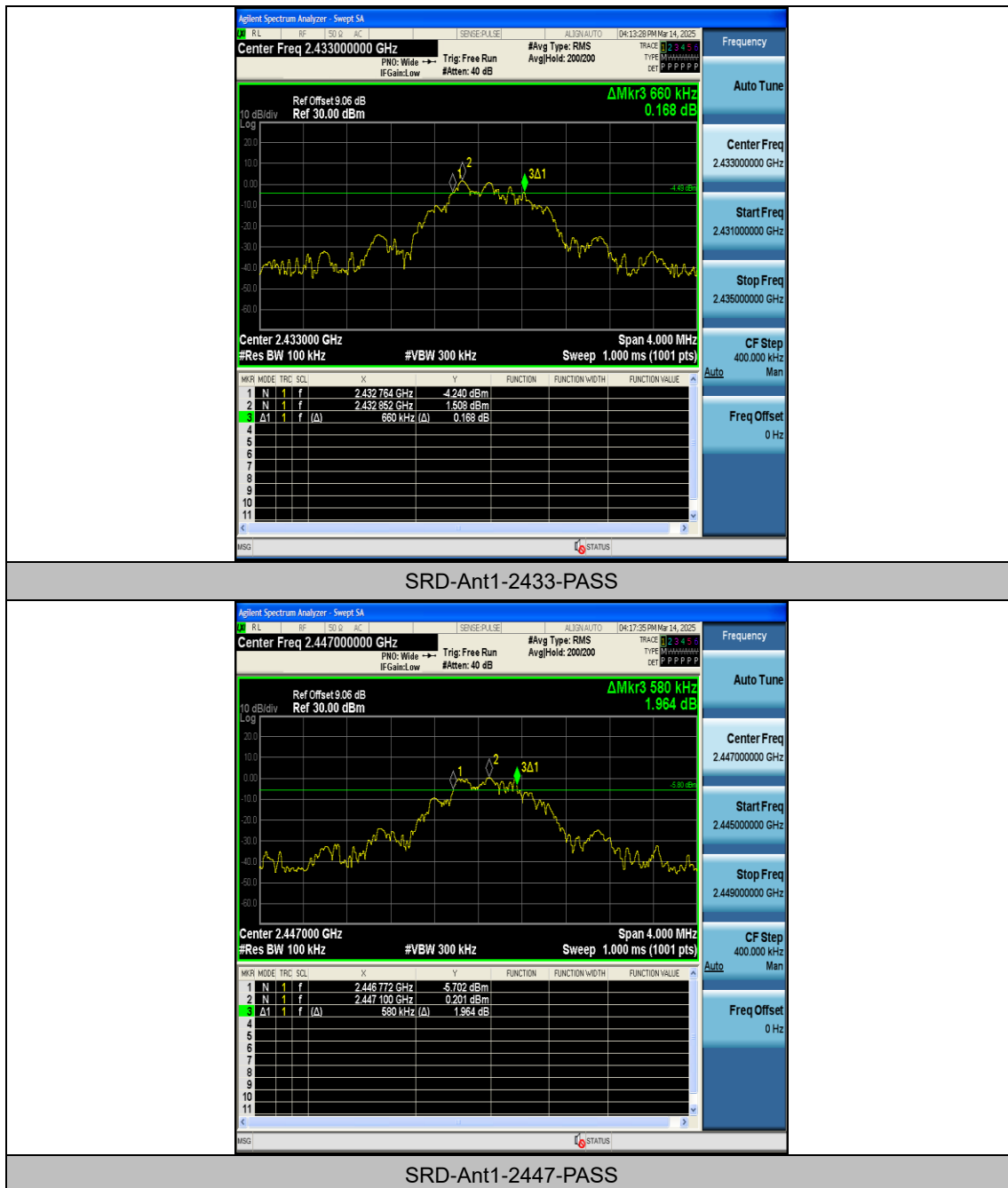
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2433	0.660	2432.764	2433.424	0.5	PASS
SRD	Ant1	2447	0.580	2446.772	2447.352	0.5	PASS
SRD	Ant1	2463	0.664	2462.756	2463.420	0.5	PASS

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	2433	1.1132	2432.5613	2433.6745	---	---
SRD	Ant1	2447	1.1231	2446.5569	2447.6800	---	---
SRD	Ant1	2463	1.1447	2462.5270	2463.6717	---	---

Test Graphs



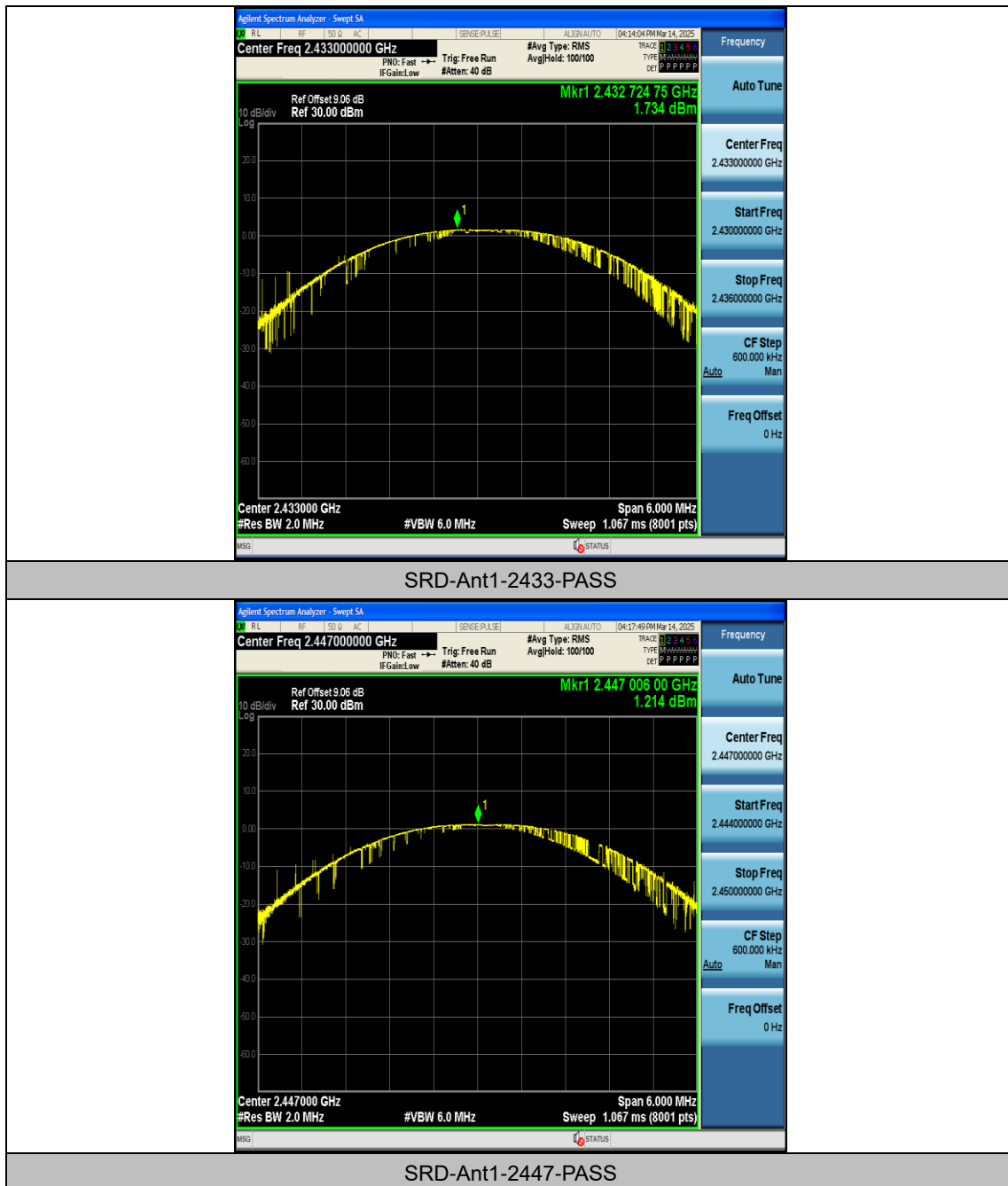


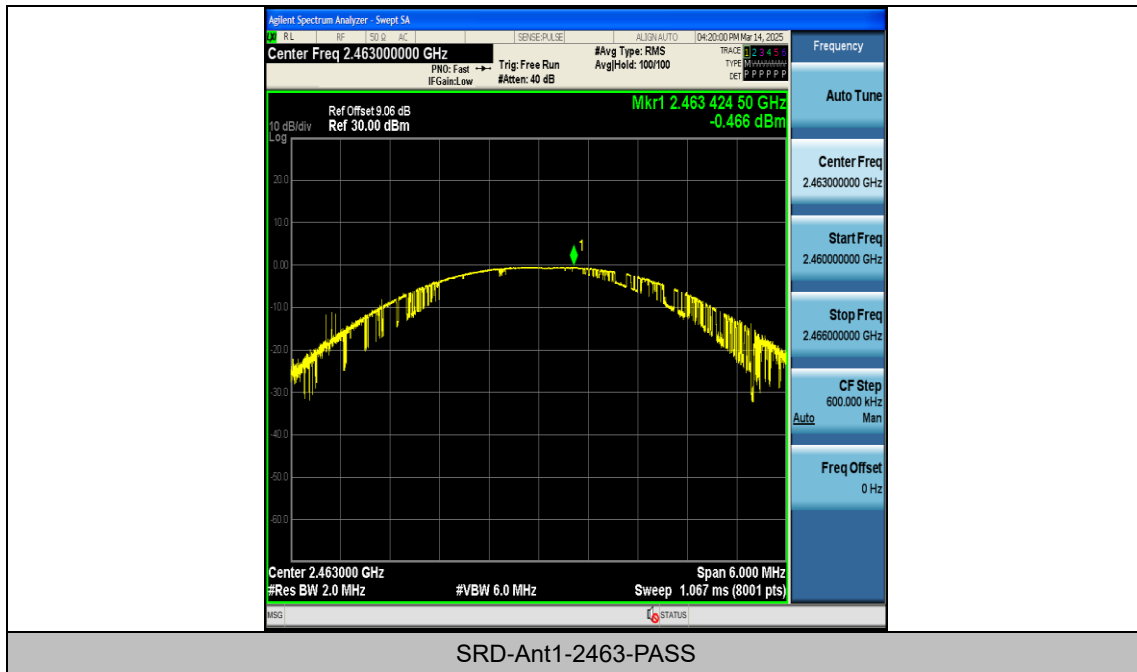
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2433	1.73	≤30	PASS
SRD	Ant1	2447	1.21	≤30	PASS
SRD	Ant1	2463	-0.47	≤30	PASS

Test Graphs Peak



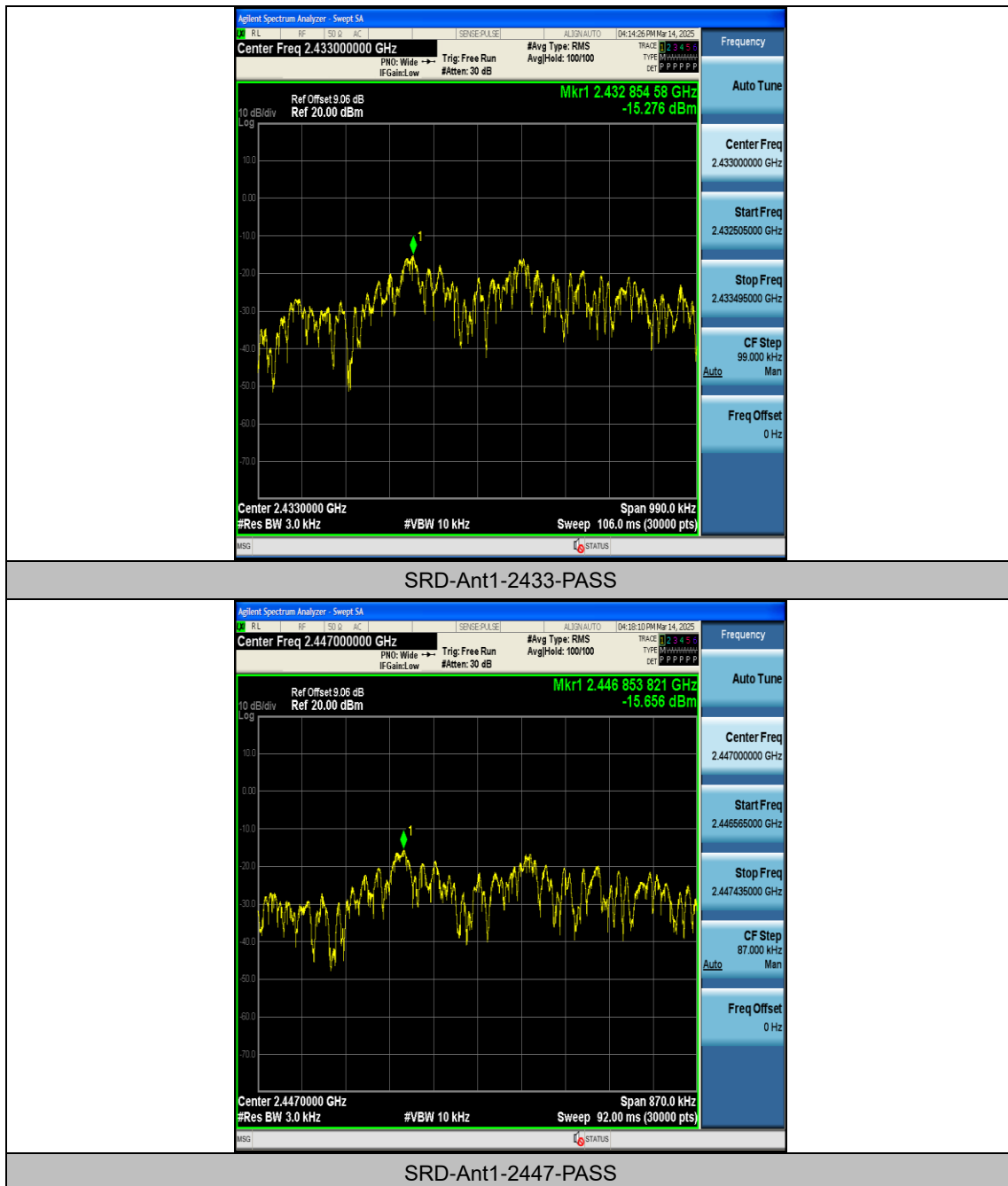


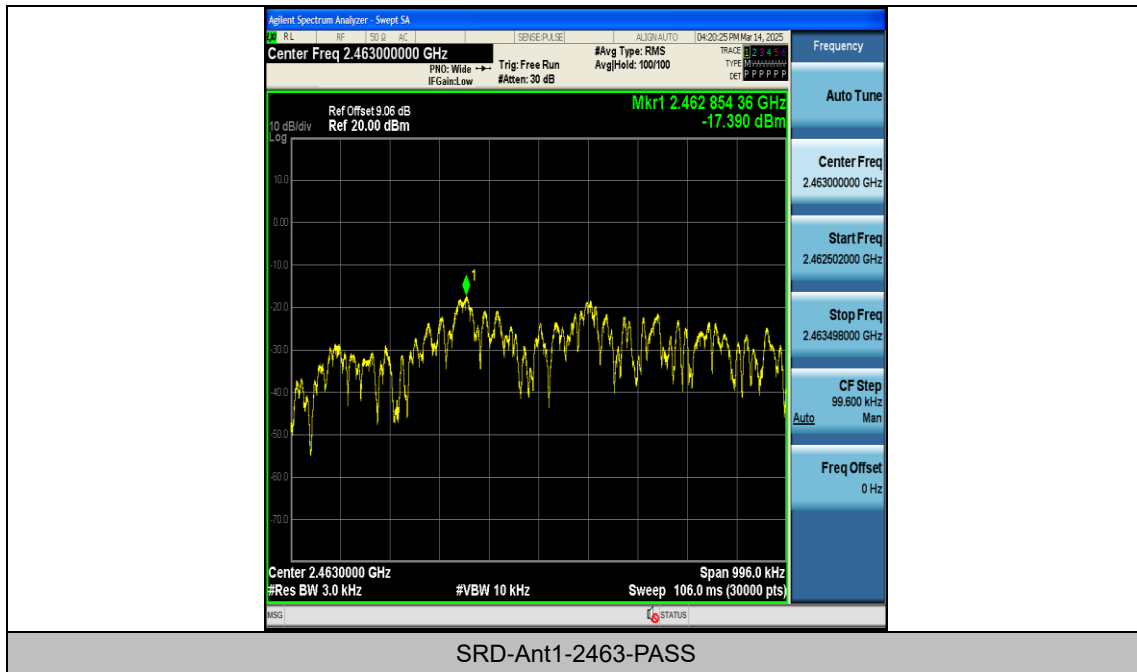
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2433	-15.28	≤8.00	PASS
SRD	Ant1	2447	-15.66	≤8.00	PASS
SRD	Ant1	2463	-17.39	≤8.00	PASS

Test Graphs



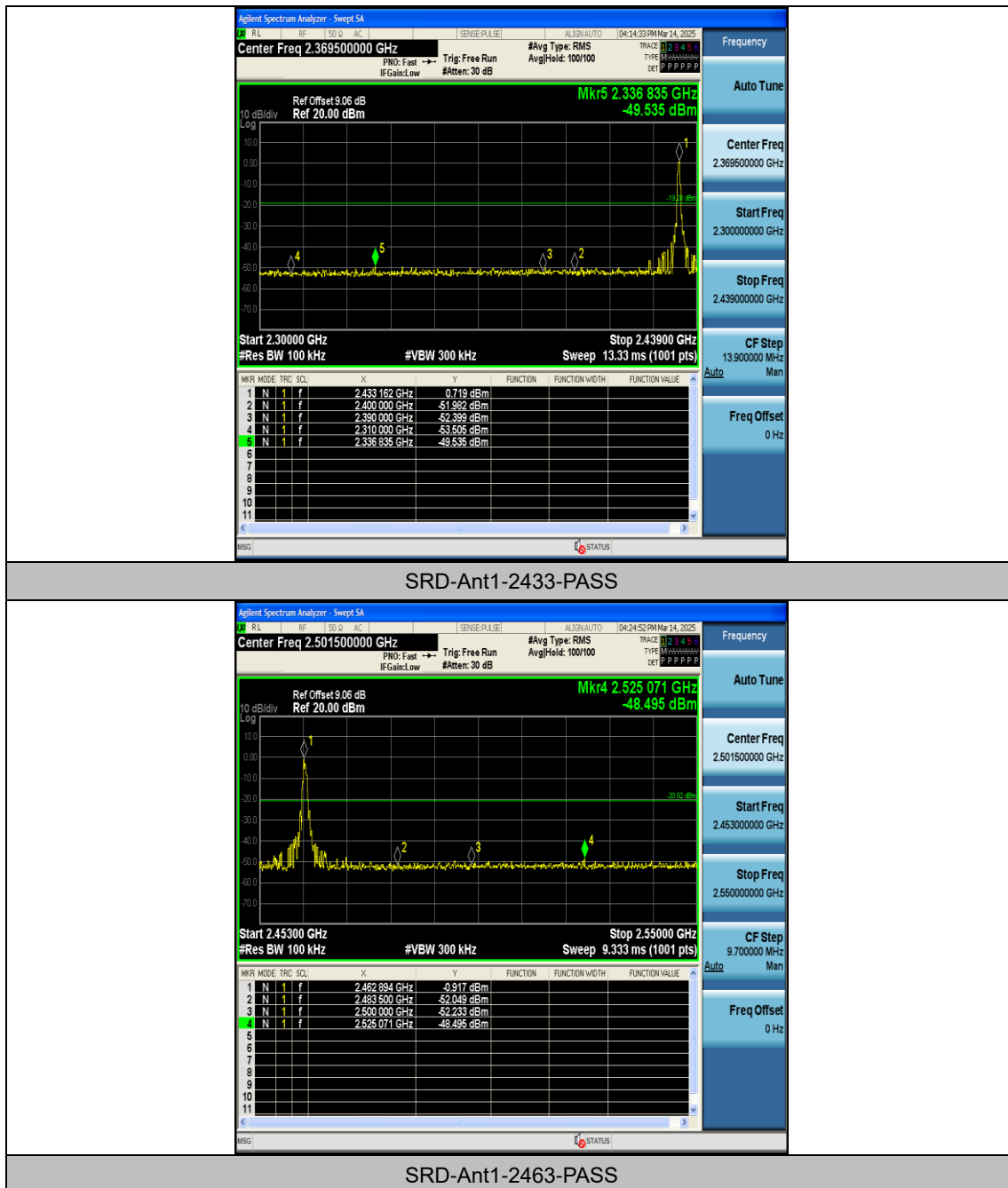


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2433	0.72	-49.54	≤-19.28	PASS
SRD	Ant1	High	2463	-0.92	-48.5	≤-20.92	PASS

Test Graphs

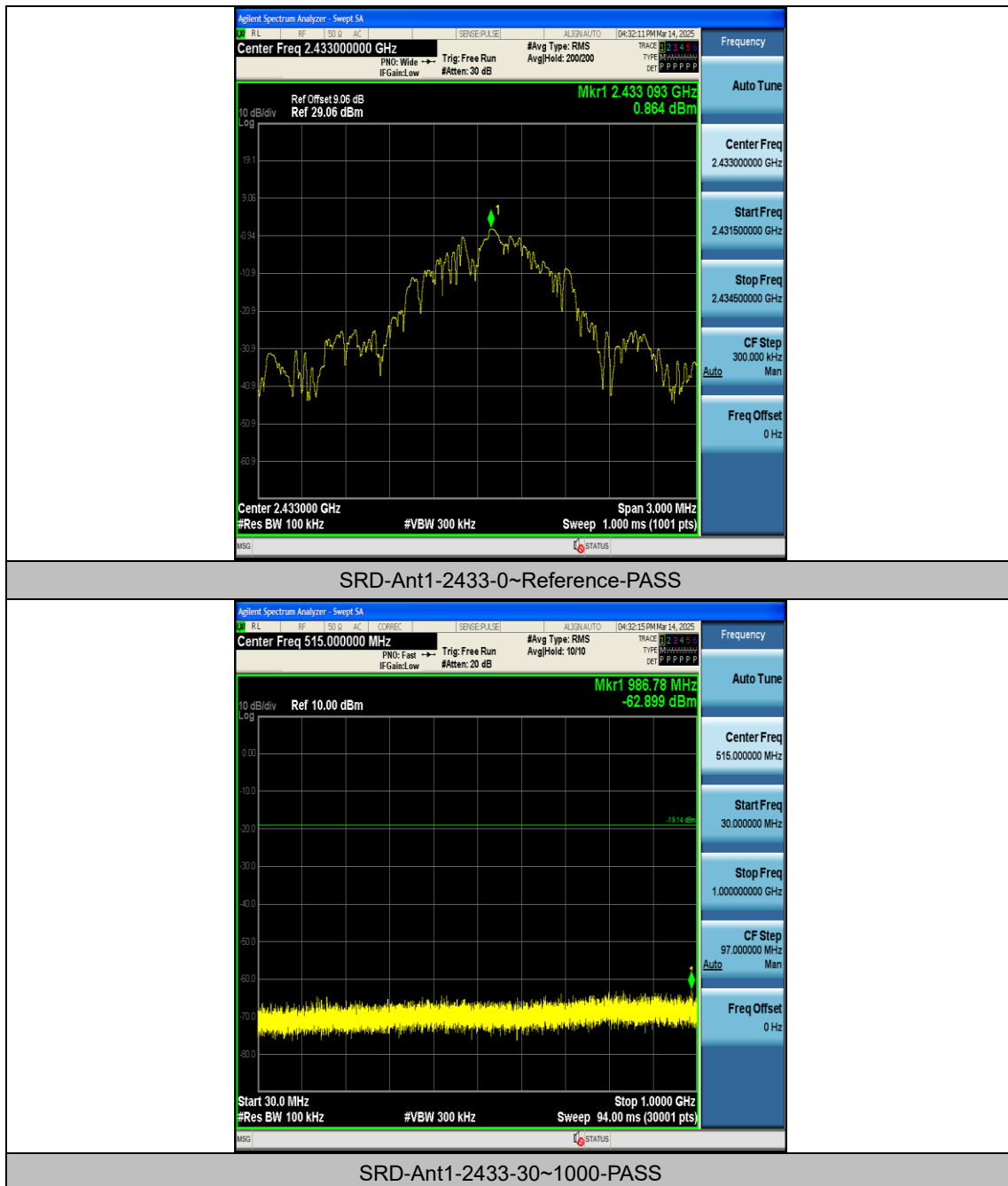


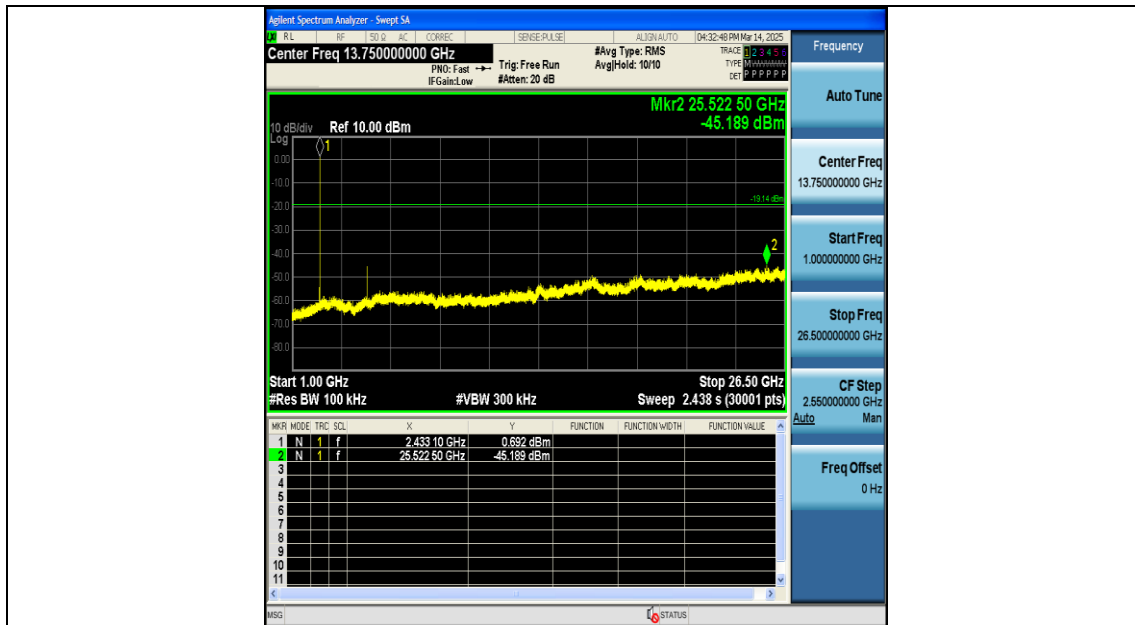
Appendix F: Conducted Spurious Emission

Test Result

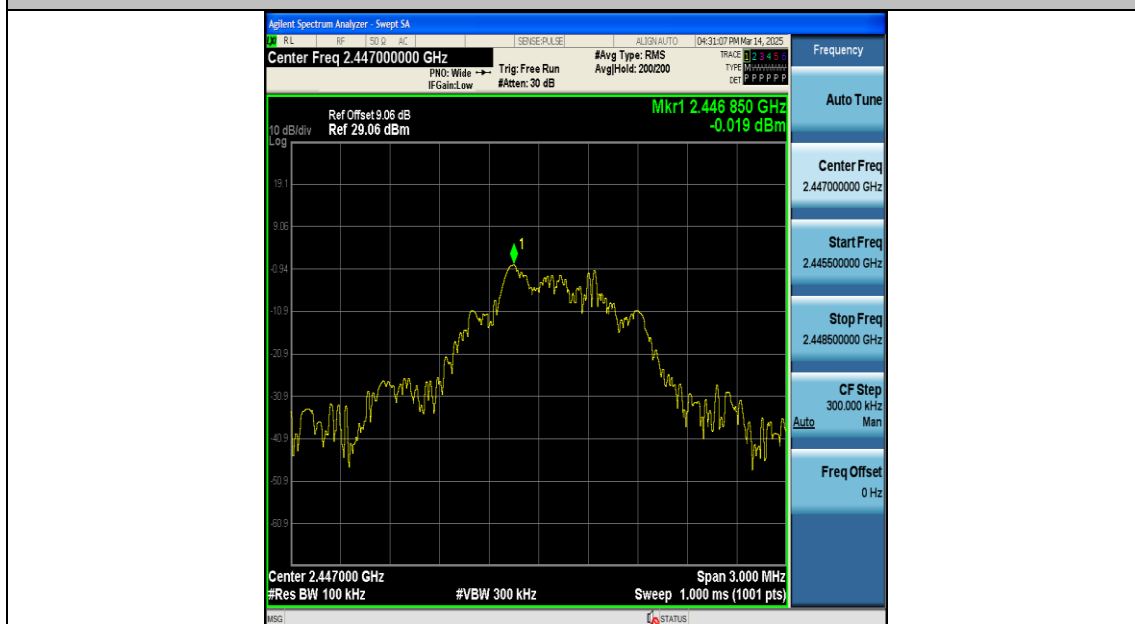
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2433	0~Reference	0.86	0.86	---	PASS
SRD	Ant1	2433	30~1000	0.86	-62.9	≤ -19.14	PASS
SRD	Ant1	2433	1000~26500	0.86	-45.19	≤ -19.14	PASS
SRD	Ant1	2447	0~Reference	-0.02	-0.02	---	PASS
SRD	Ant1	2447	30~1000	-0.02	-62.6	≤ -20.02	PASS
SRD	Ant1	2447	1000~26500	-0.02	-44.85	≤ -20.02	PASS
SRD	Ant1	2463	0~Reference	-0.25	-0.25	---	PASS
SRD	Ant1	2463	30~1000	-0.25	-62.57	≤ -20.25	PASS
SRD	Ant1	2463	1000~26500	-0.25	-45.8	≤ -20.25	PASS

Test Graphs

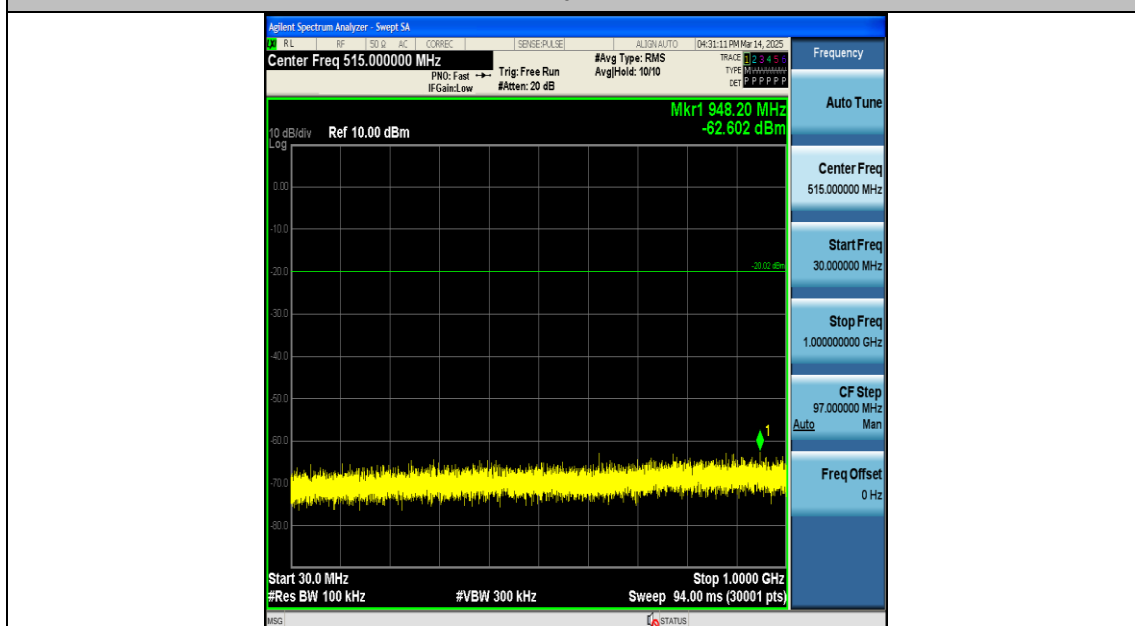




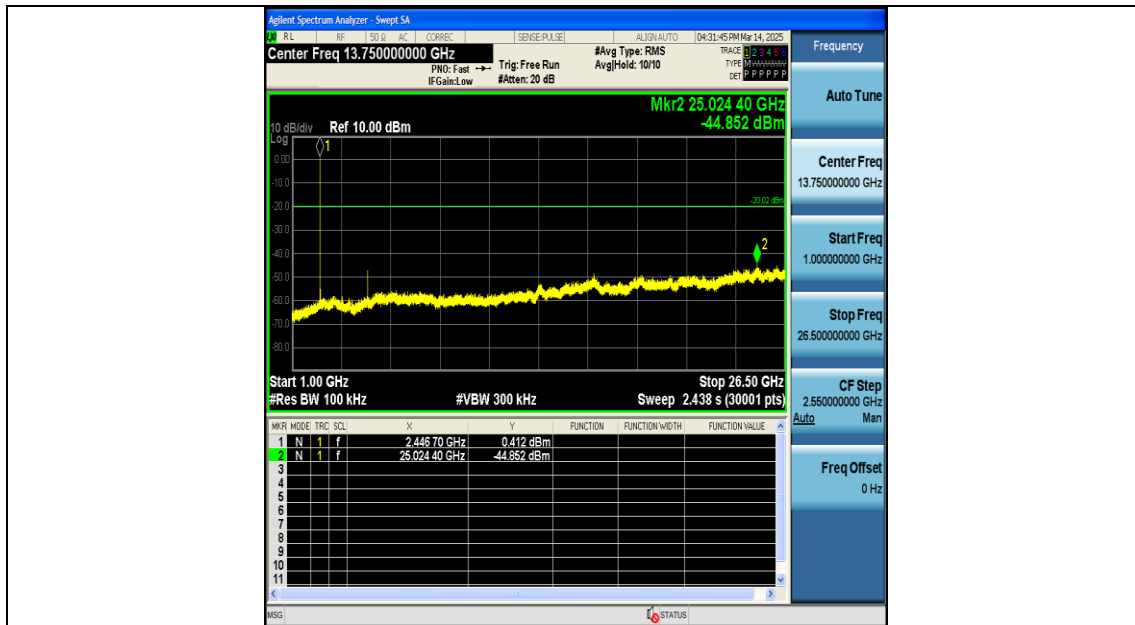
SRD-Ant1-2433-1000~26500-PASS



SRD-Ant1-2447-0~Reference-PASS



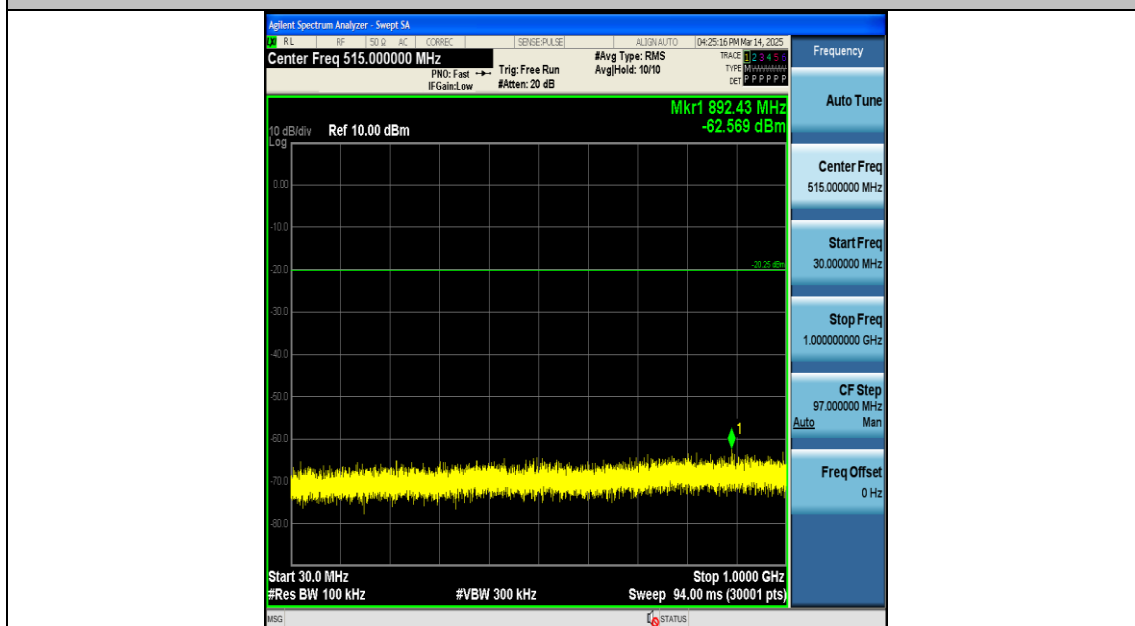
SRD-Ant1-2447-30~1000-PASS



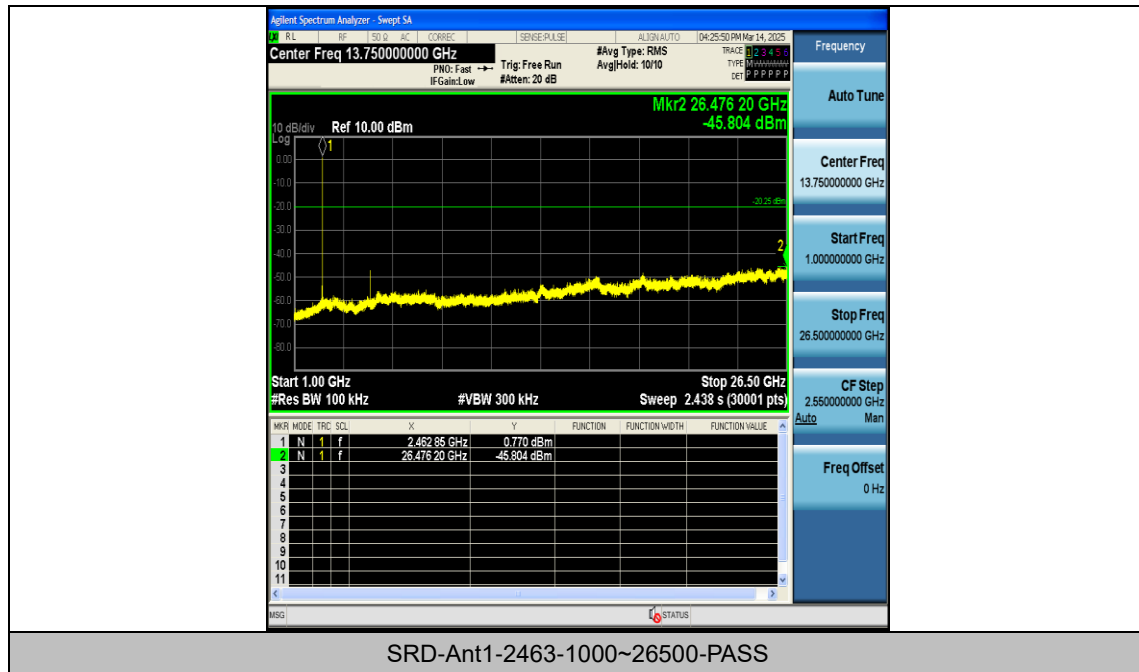
SRD-Ant1-2447-1000~26500-PASS



SRD-Ant1-2463-0~Reference-PASS



SRD-Ant1-2463-30~1000-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	2433	0.15	5.20	2.88	15.41
SRD	Ant1	2447	0.15	5.20	2.88	15.41
SRD	Ant1	2463	0.14	5.19	2.70	15.69

Test Graphs

