

Appendix Test Data for SRD(Conducted Measurement)

Product Name: Can Cruisers Cars

Trade Mark: /

Test Model: TG1031

FCC ID: QV7-GC88752-112

Environmental Conditions

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

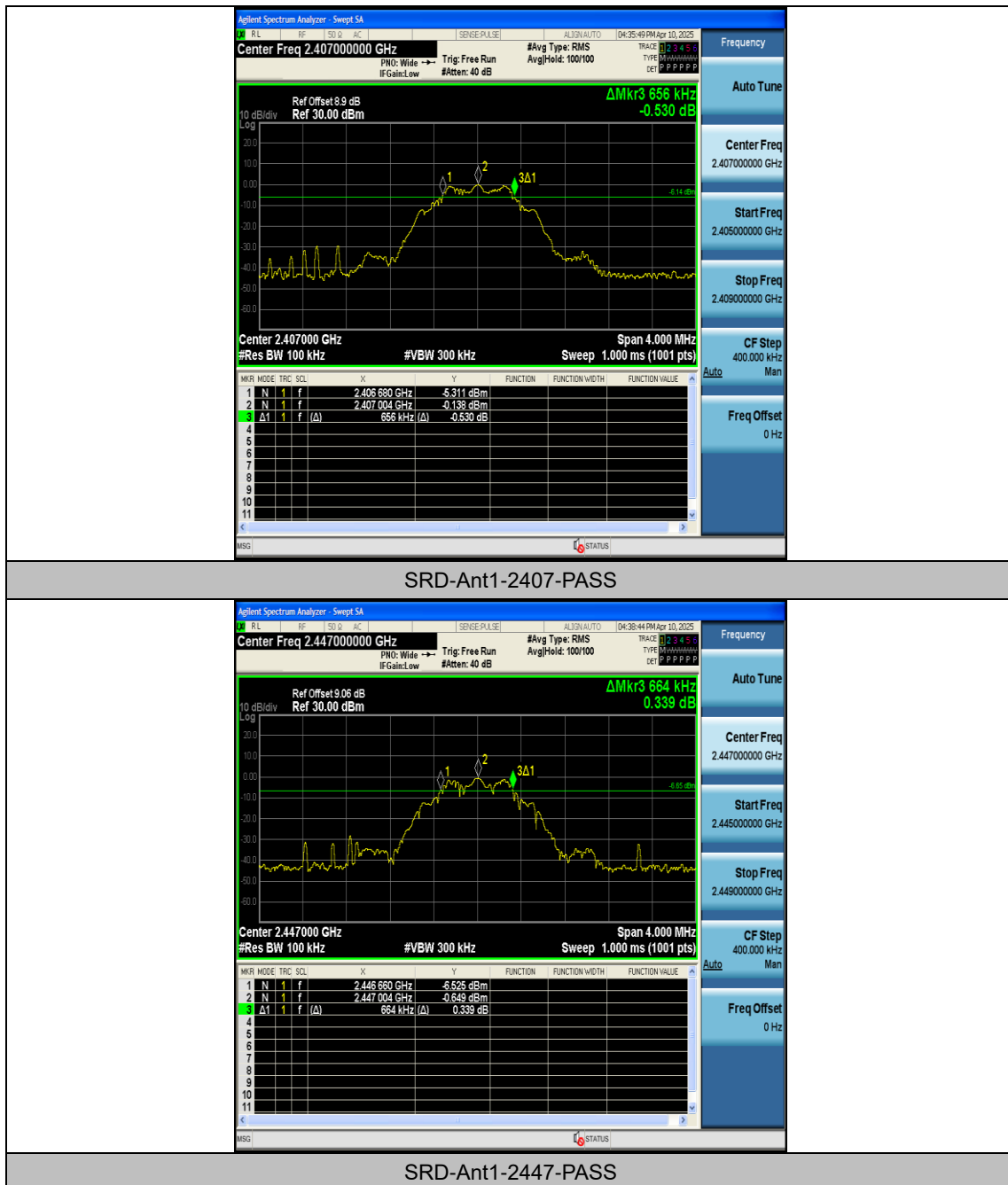
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2407	0.656	2406.680	2407.336	0.5	PASS
SRD	Ant1	2447	0.664	2446.660	2447.324	0.5	PASS
SRD	Ant1	2477	0.652	2476.668	2477.320	0.5	PASS

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

Test Graphs





Appendix B: Occupied Channel Bandwidth

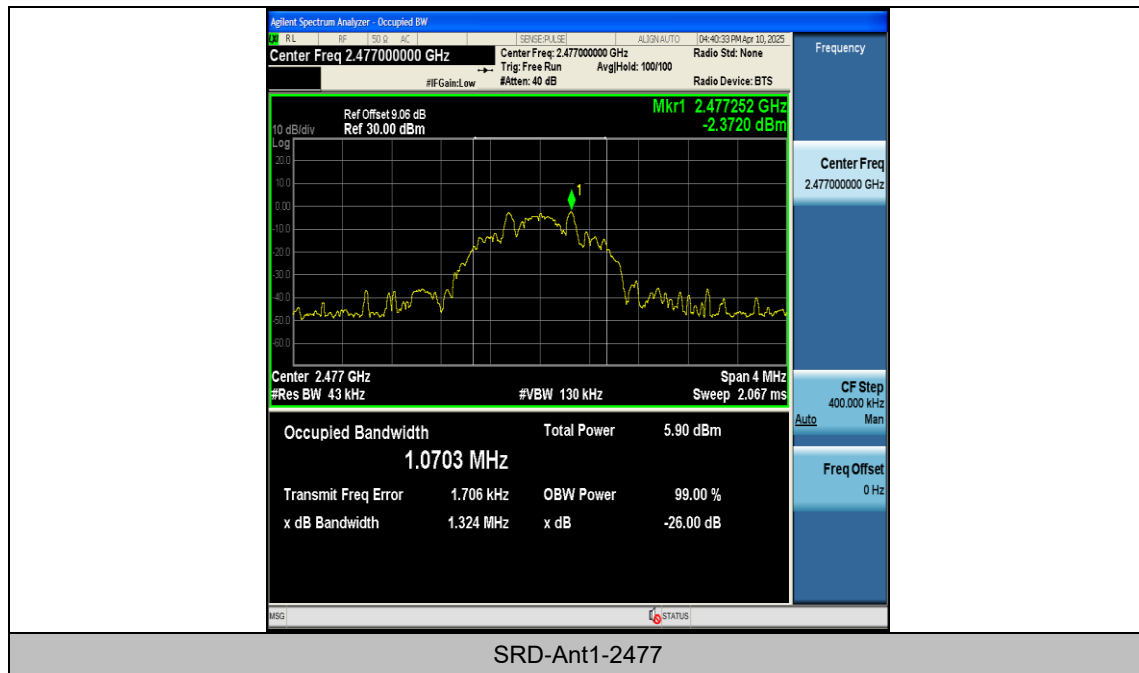
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2407	1.0572	2406.4789	2407.5361	---	---
SRD	Ant1	2447	1.0596	2446.4695	2447.5291	---	---
SRD	Ant1	2477	1.0703	2476.4666	2477.5369	---	---

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

Test Graphs





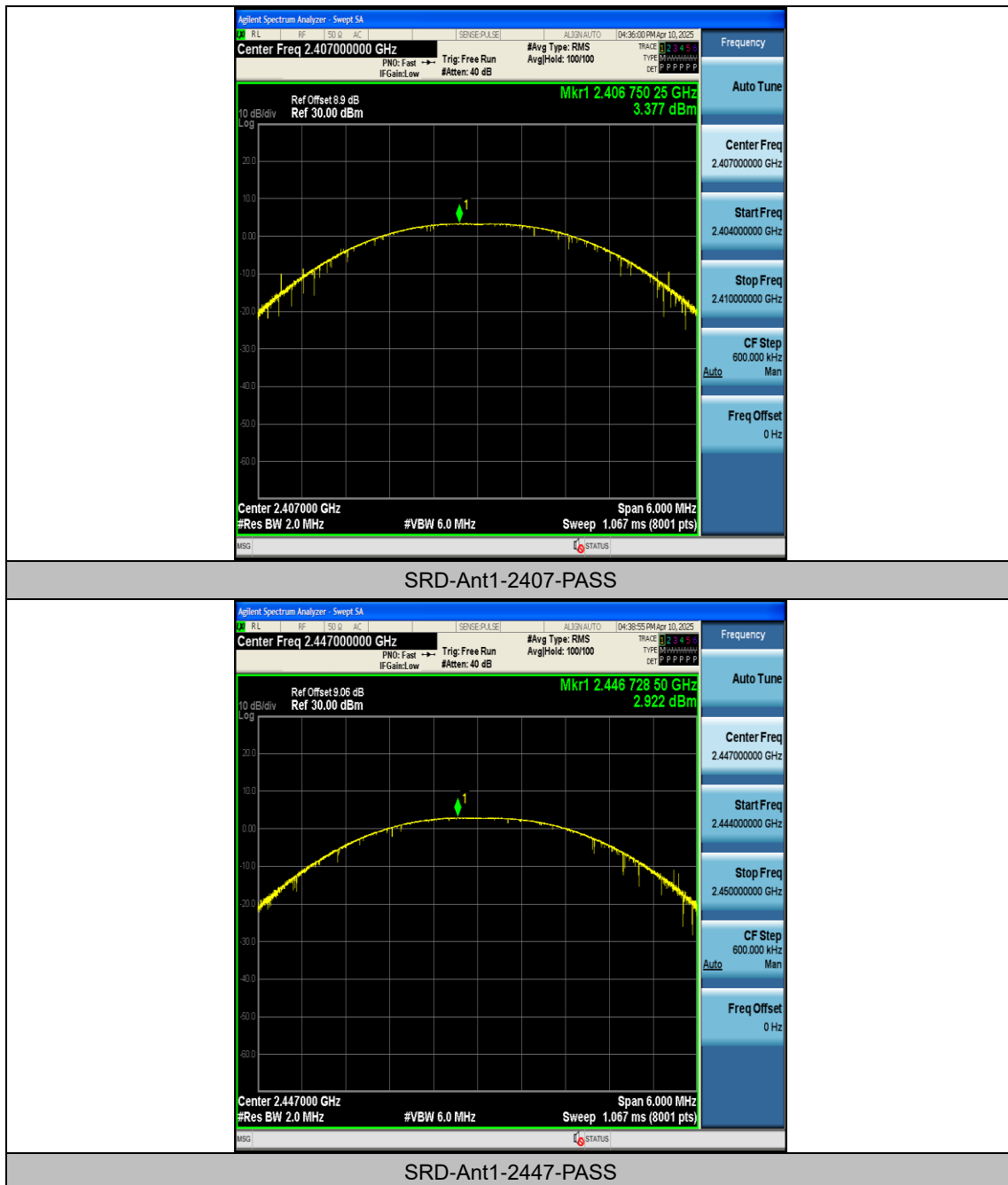
Appendix C: Maximum peak conducted output power

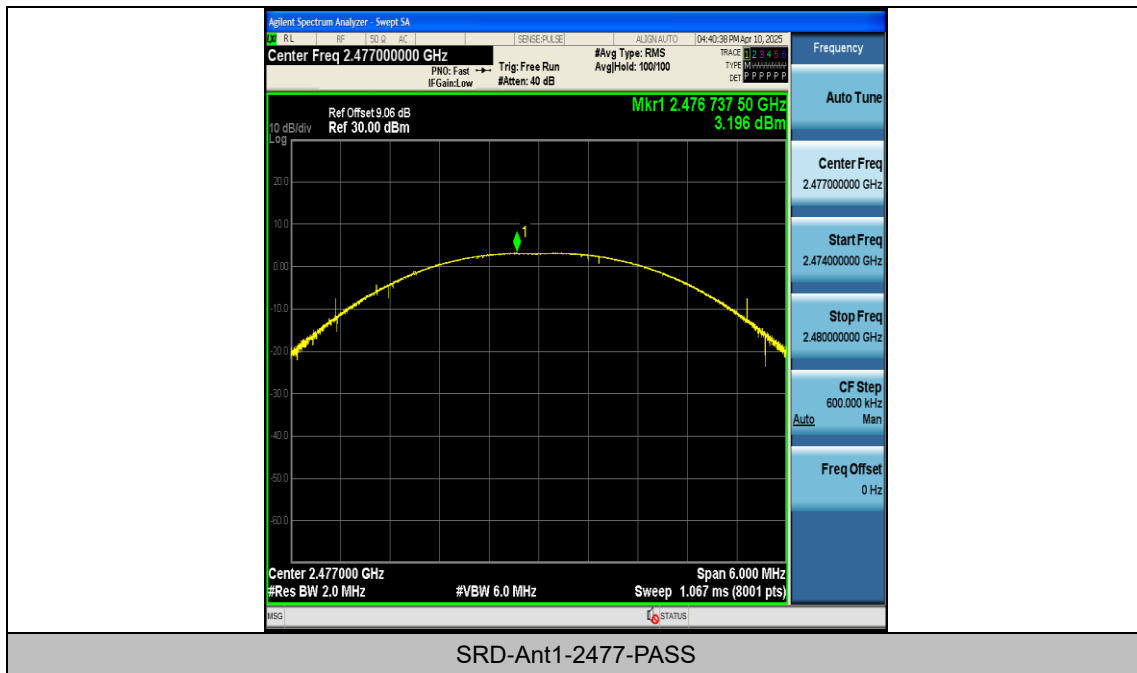
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2407	3.38	≤30	PASS
SRD	Ant1	2447	2.92	≤30	PASS
SRD	Ant1	2477	3.20	≤30	PASS

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

Test Graphs Peak





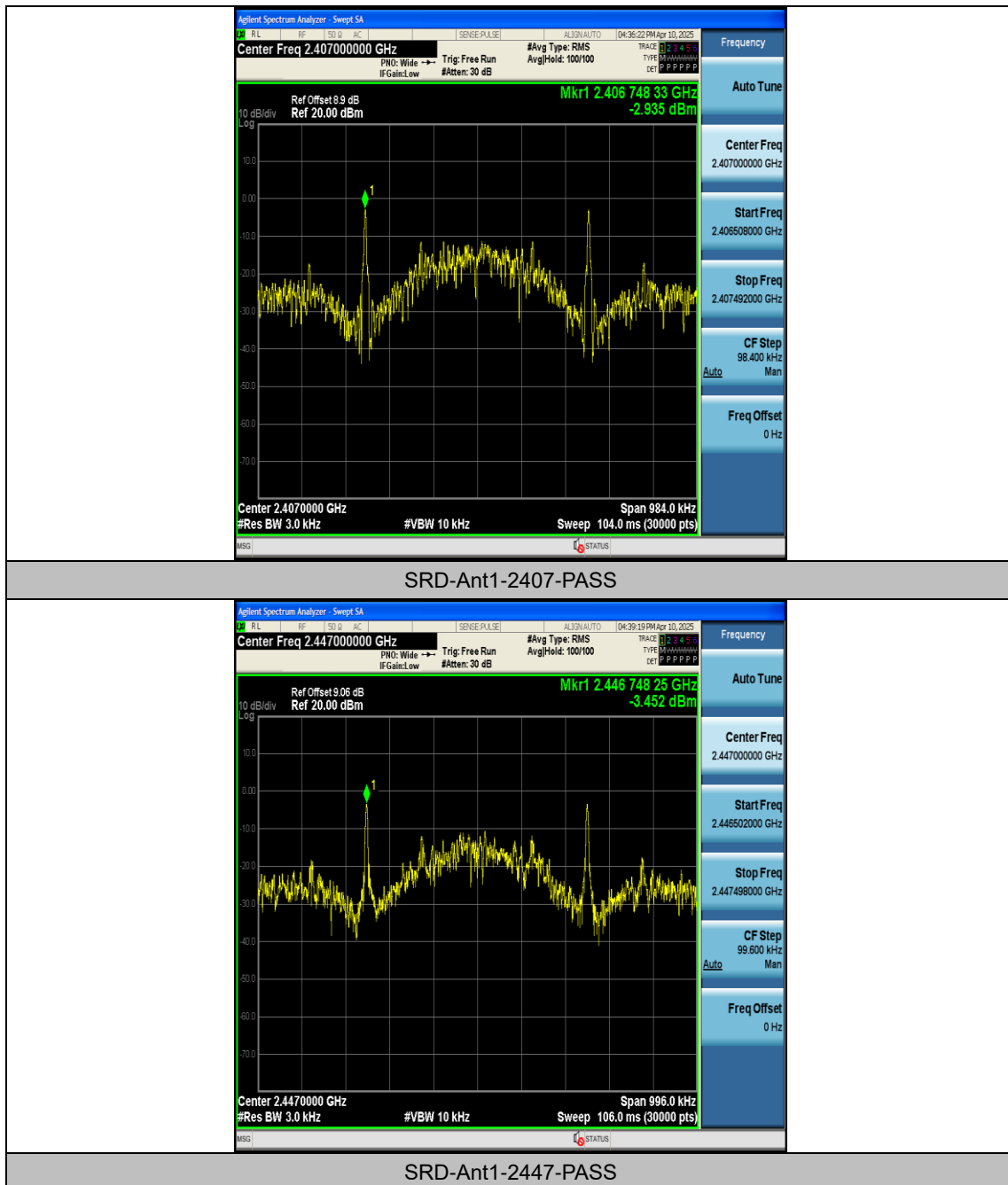
Appendix D: Maximum peak power spectral density

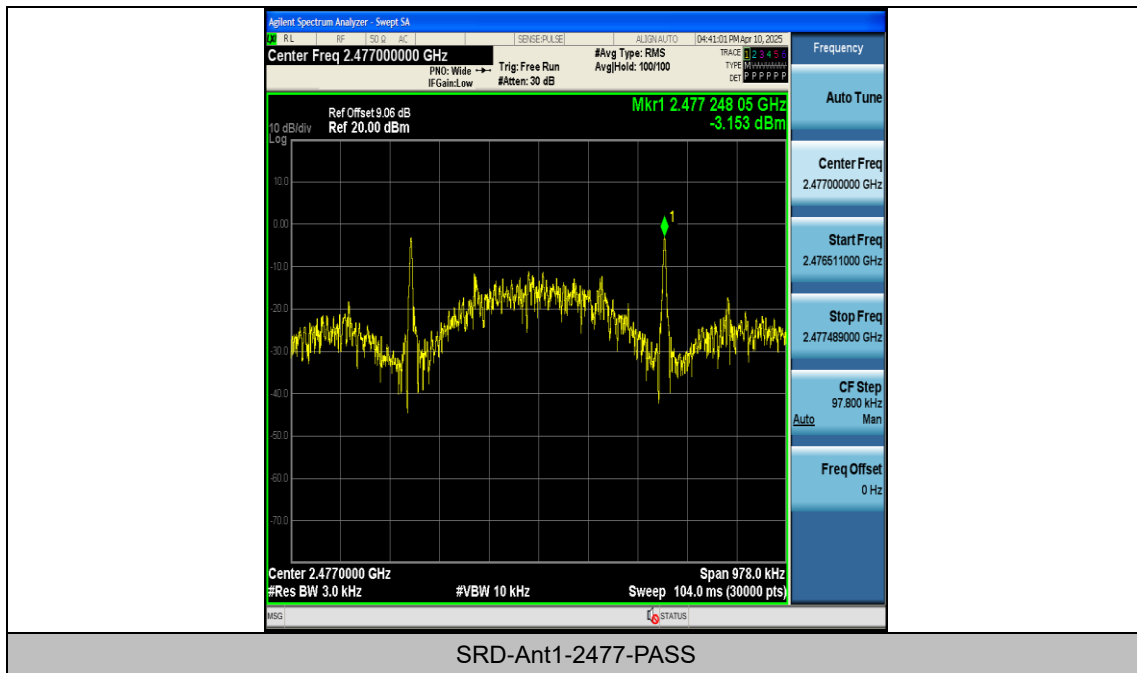
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2407	-2.94	≤8.00	PASS
SRD	Ant1	2447	-3.45	≤8.00	PASS
SRD	Ant1	2477	-3.15	≤8.00	PASS

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

Test Graphs





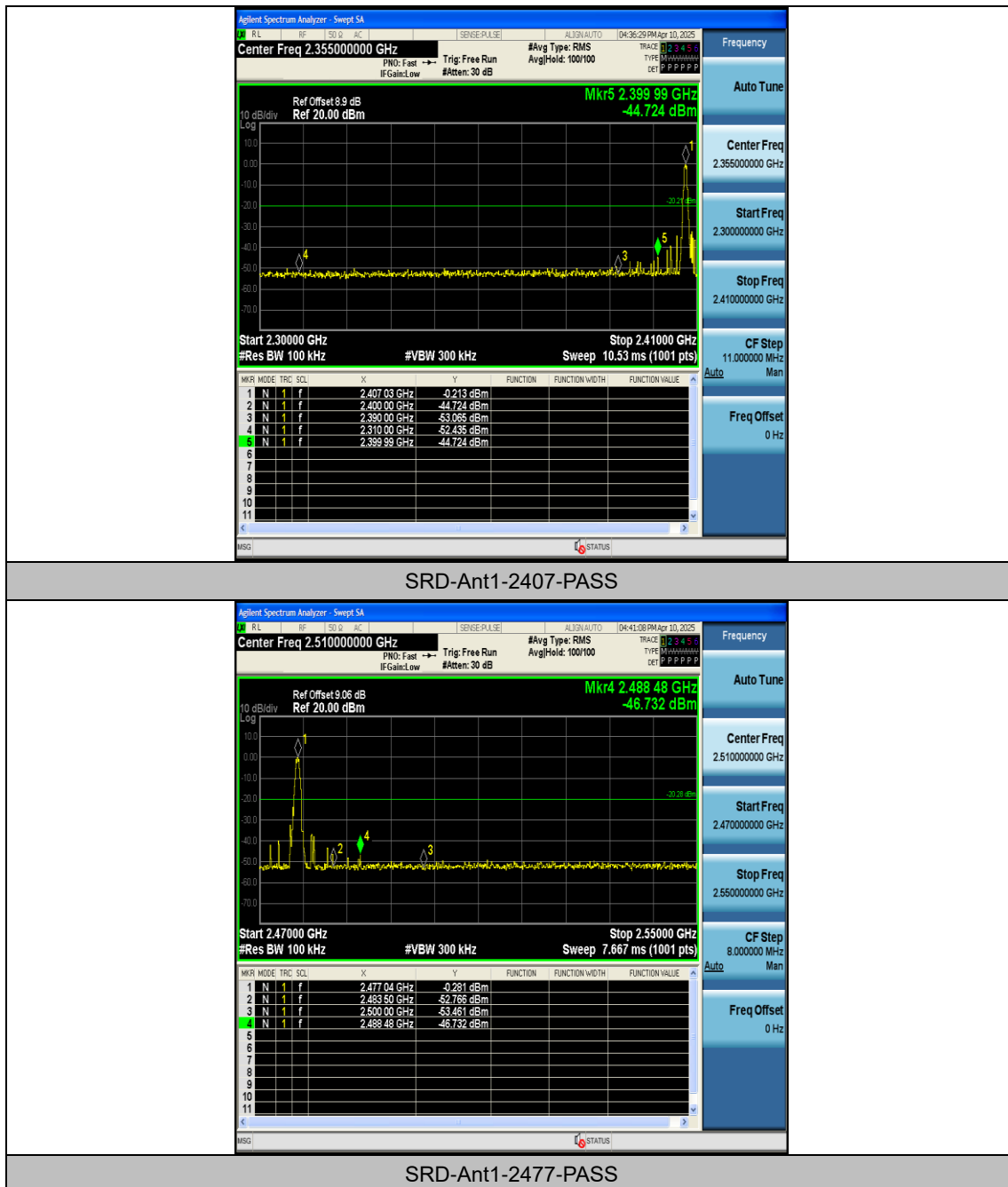
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2407	-0.21	-44.72	≤ -20.21	PASS
SRD	Ant1	High	2477	-0.28	-46.73	≤ -20.28	PASS

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

Test Graphs



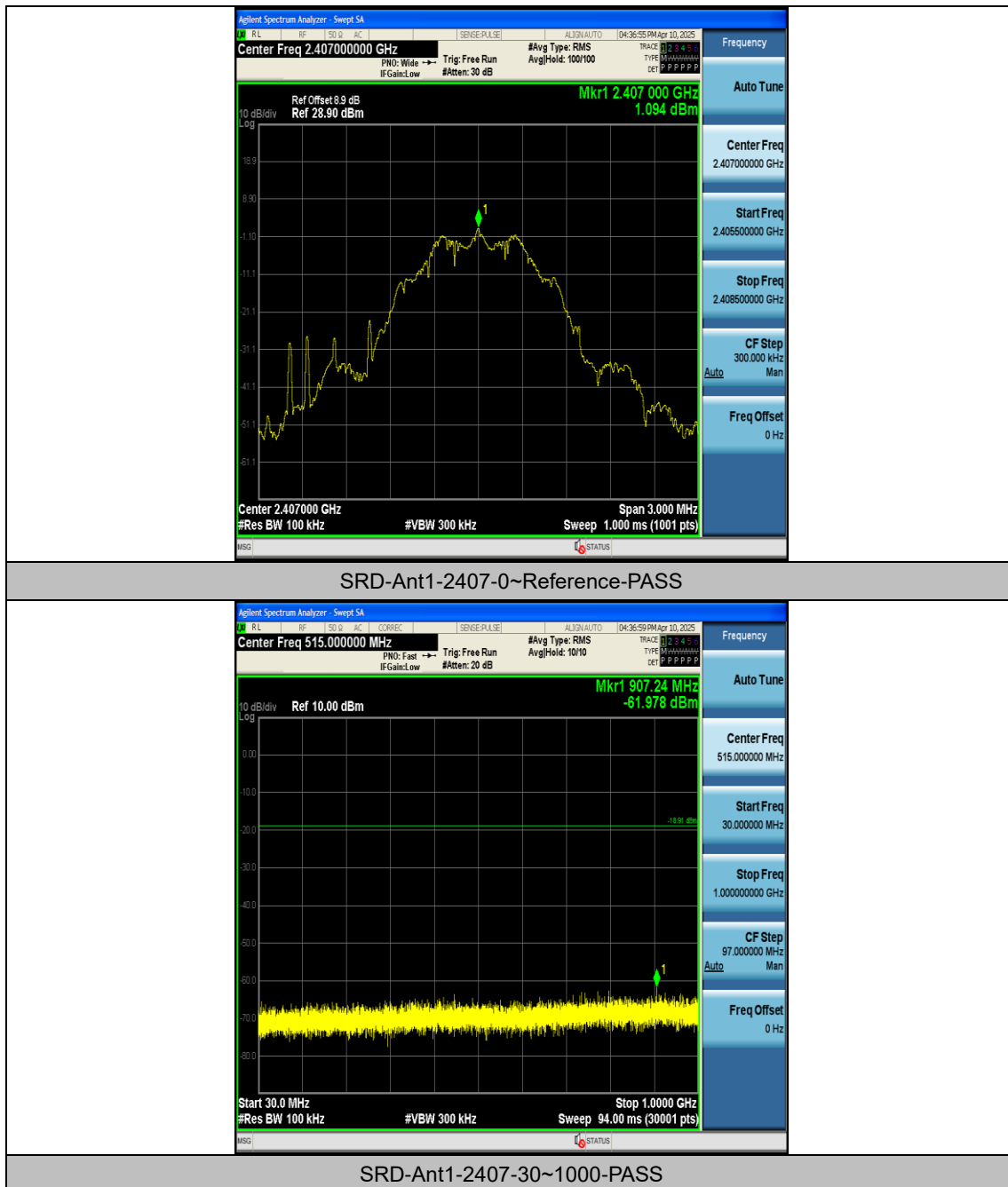
Appendix F: Conducted Spurious Emission

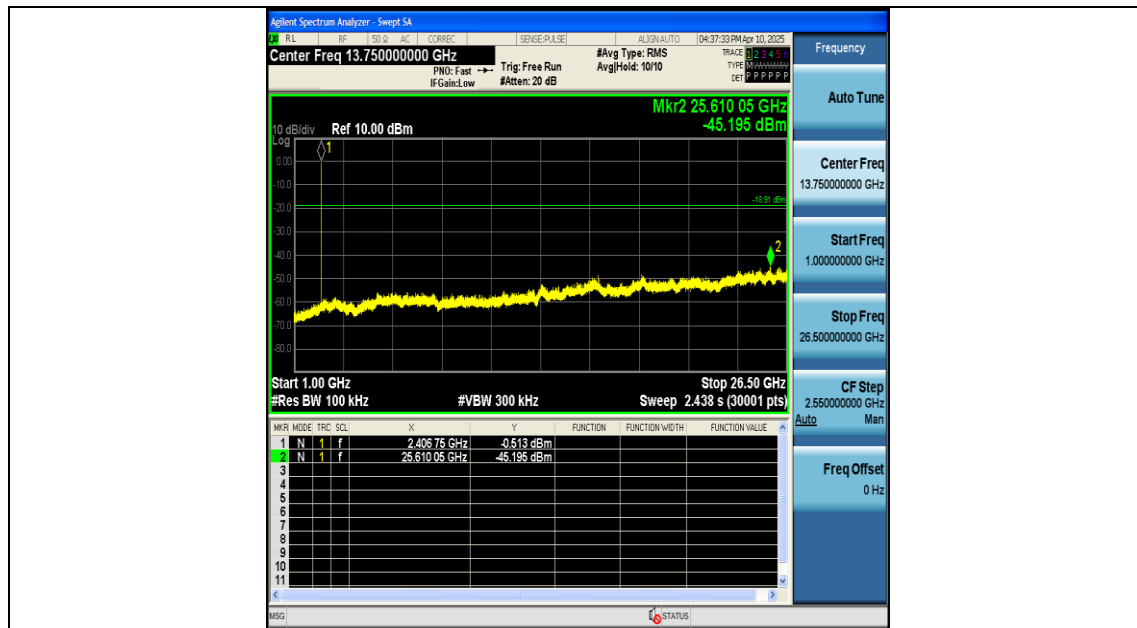
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2407	0~Reference	1.09	1.09	---	PASS
SRD	Ant1	2407	30~1000	1.09	-61.98	≤-18.91	PASS
SRD	Ant1	2407	1000~26500	1.09	-45.2	≤-18.91	PASS
SRD	Ant1	2447	0~Reference	-0.75	-0.75	---	PASS
SRD	Ant1	2447	30~1000	-0.75	-62.66	≤-20.75	PASS
SRD	Ant1	2447	1000~26500	-0.75	-45.14	≤-20.75	PASS
SRD	Ant1	2477	0~Reference	1.48	1.48	---	PASS
SRD	Ant1	2477	30~1000	1.48	-62.34	≤-18.52	PASS
SRD	Ant1	2477	1000~26500	1.48	-45.03	≤-18.52	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

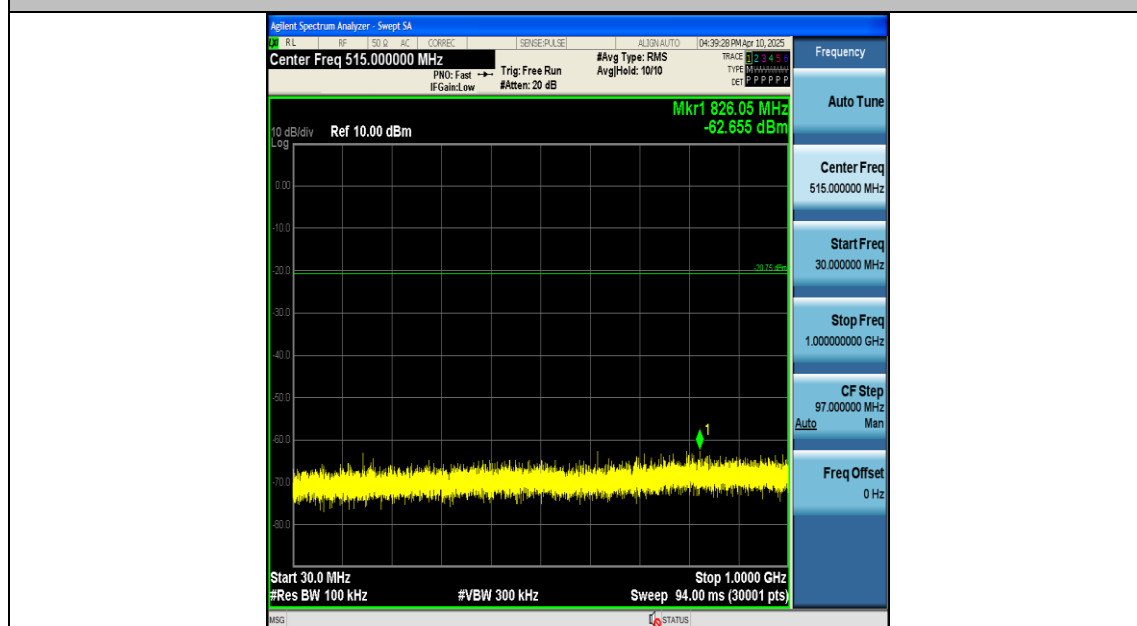




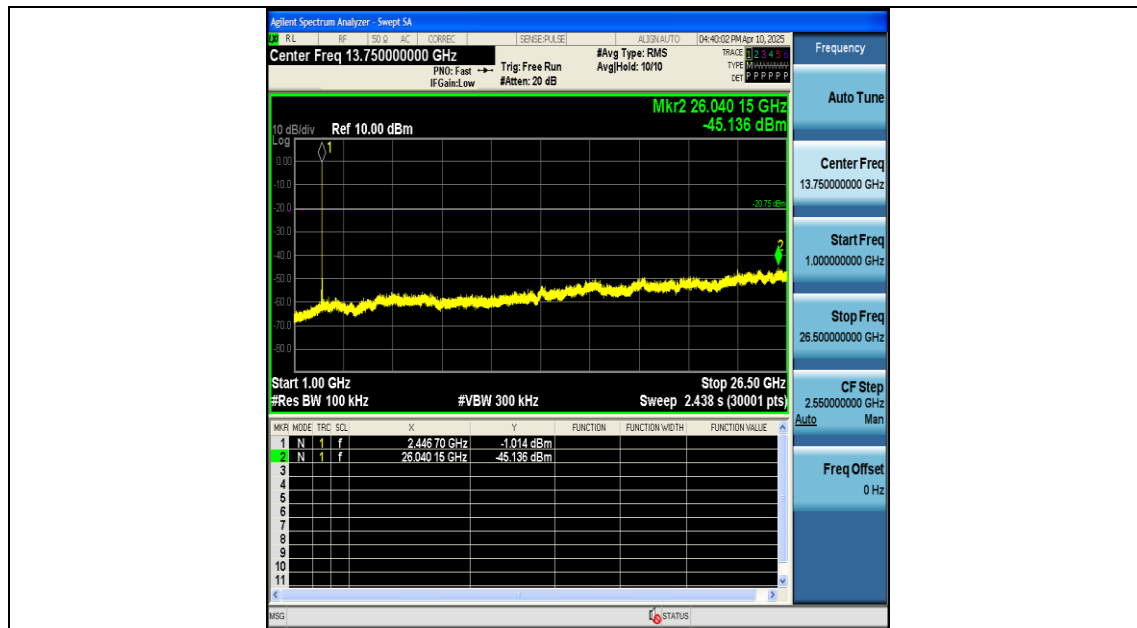
SRD-Ant1-2407-1000~26500-PASS



SRD-Ant1-2447-0~Reference-PASS



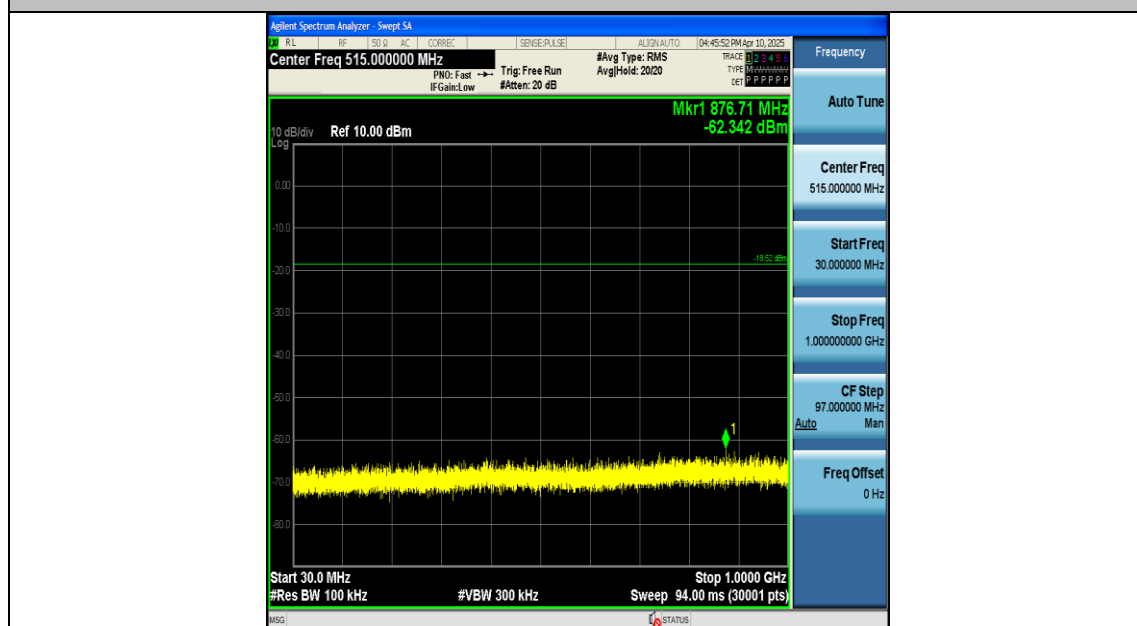
SRD-Ant1-2447-30~1000-PASS



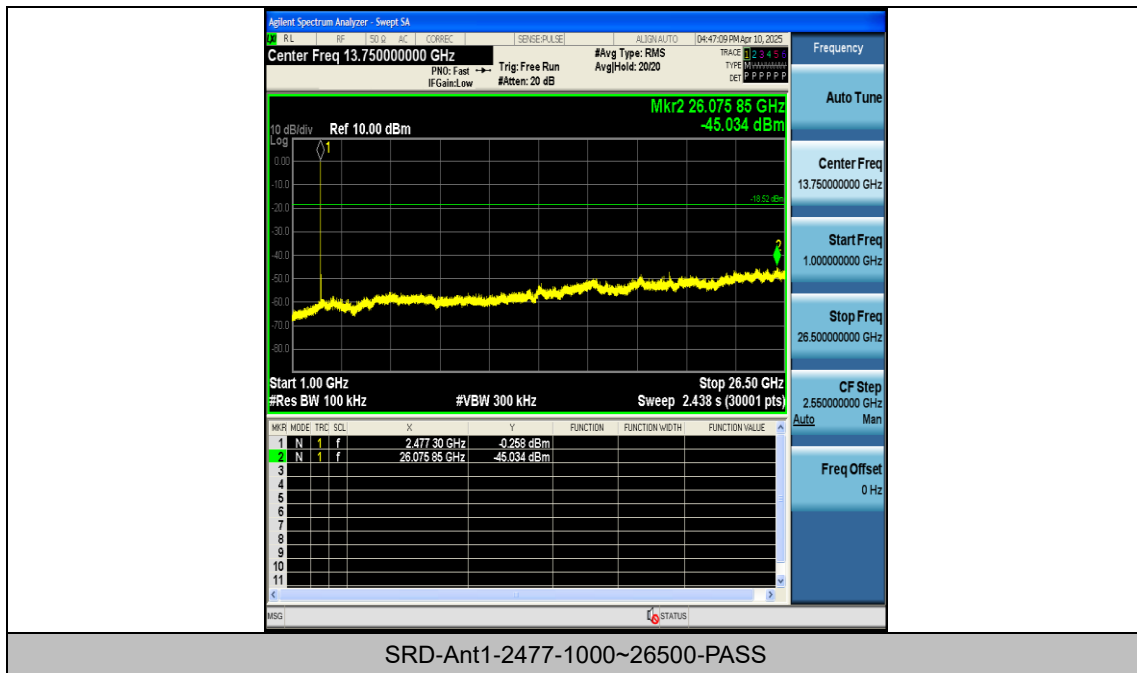
SRD-Ant1-2447-1000~26500-PASS



SRD-Ant1-2477-0~Reference-PASS



SRD-Ant1-2477-30~1000-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	2407	1.28	19.48	6.57	11.82
SRD	Ant1	2447	1.28	19.48	6.57	11.82
SRD	Ant1	2477	1.28	19.48	6.57	11.82

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

Test Graphs

