



Appendix Test Data for SRD (Conducted Measurement)

Product Name: RC BOAT

Trade Mark: /

Test Model: DE127

FCC ID: 2AJZ3-R120

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	2407	0.676	2406.652	2407.328	0.5	PASS
SRD	Ant1	2442	0.644	2441.668	2442.312	0.5	PASS
SRD	Ant1	2477	0.672	2476.664	2477.336	0.5	PASS

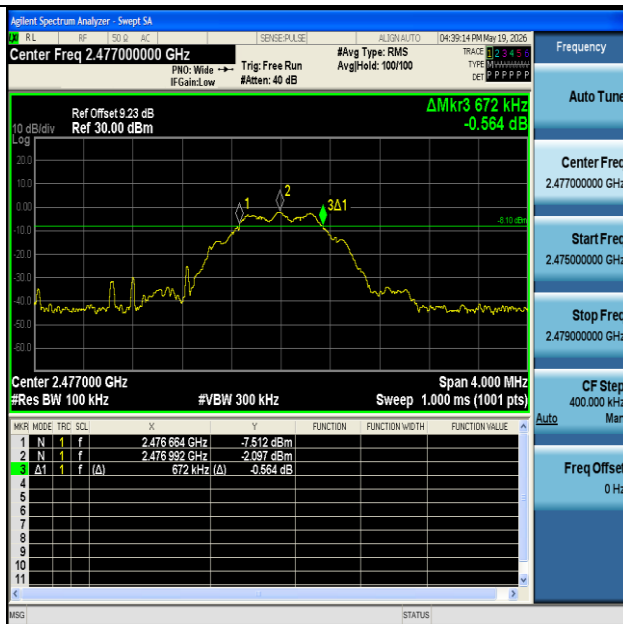
Note: offset(dB) = caSRD loss(dB) + attenuator factor(dB)





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	1.0618	2406.4580	2407.5198	---	---
SRD	Ant1	2442	1.0578	2441.4618	2442.5196	---	---
SRD	Ant1	2477	1.0197	2476.5066	2477.5263	---	---

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





Test Graphs







Appendix C: Maximum peak conducted output power

Test Result Peak

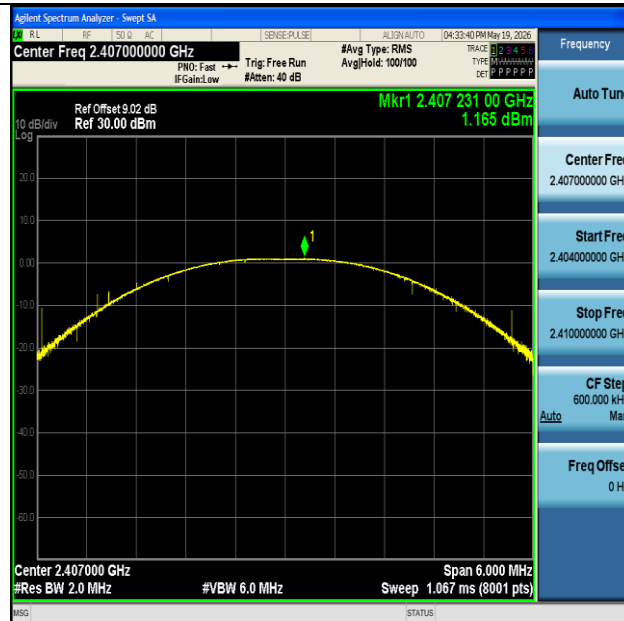
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2407	1.17	≤30	PASS
SRD	Ant1	2442	1.28	≤30	PASS
SRD	Ant1	2477	1.48	≤30	PASS

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

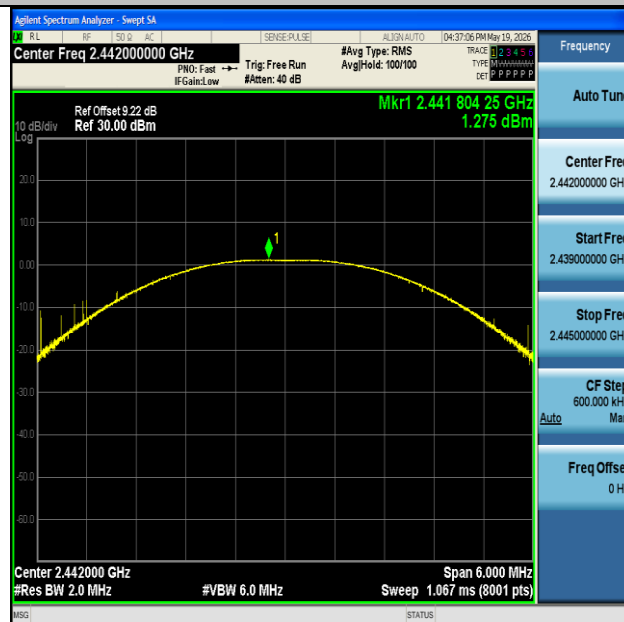




Test Graphs Peak

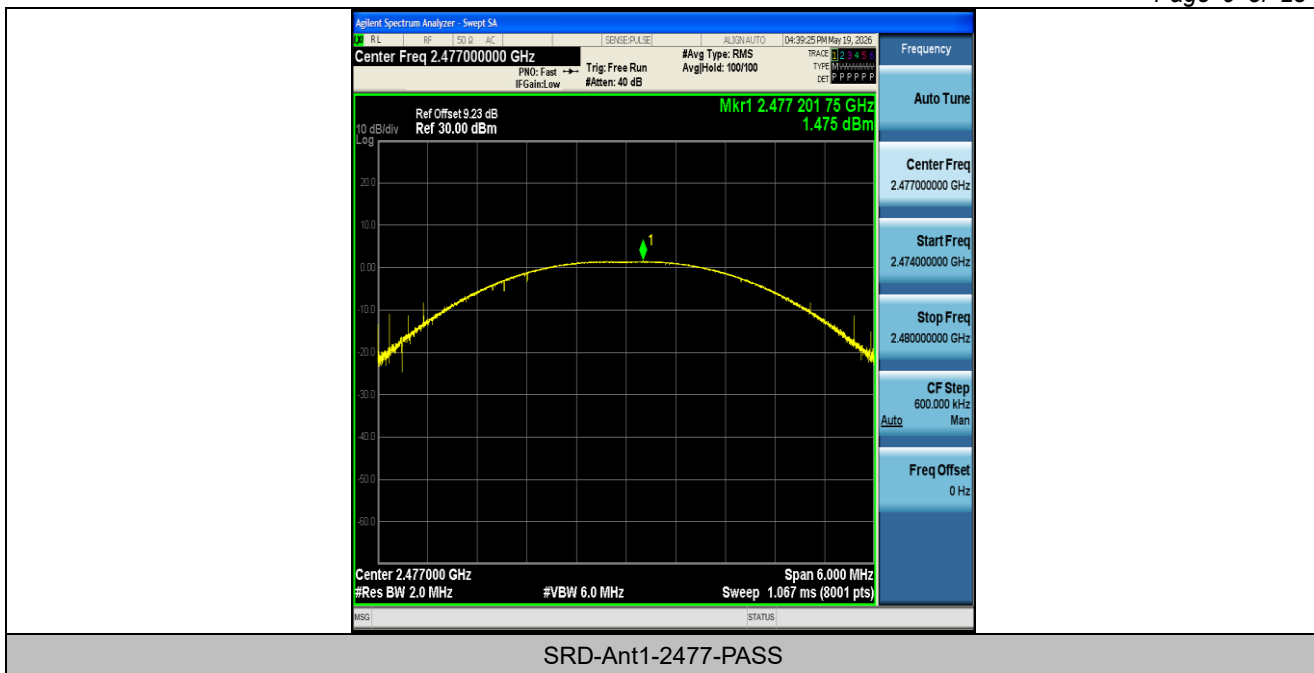


SRD-Ant1-2407-PASS



SRD-Ant1-2442-PASS







Appendix D: Maximum peak power spectral density

Test Result

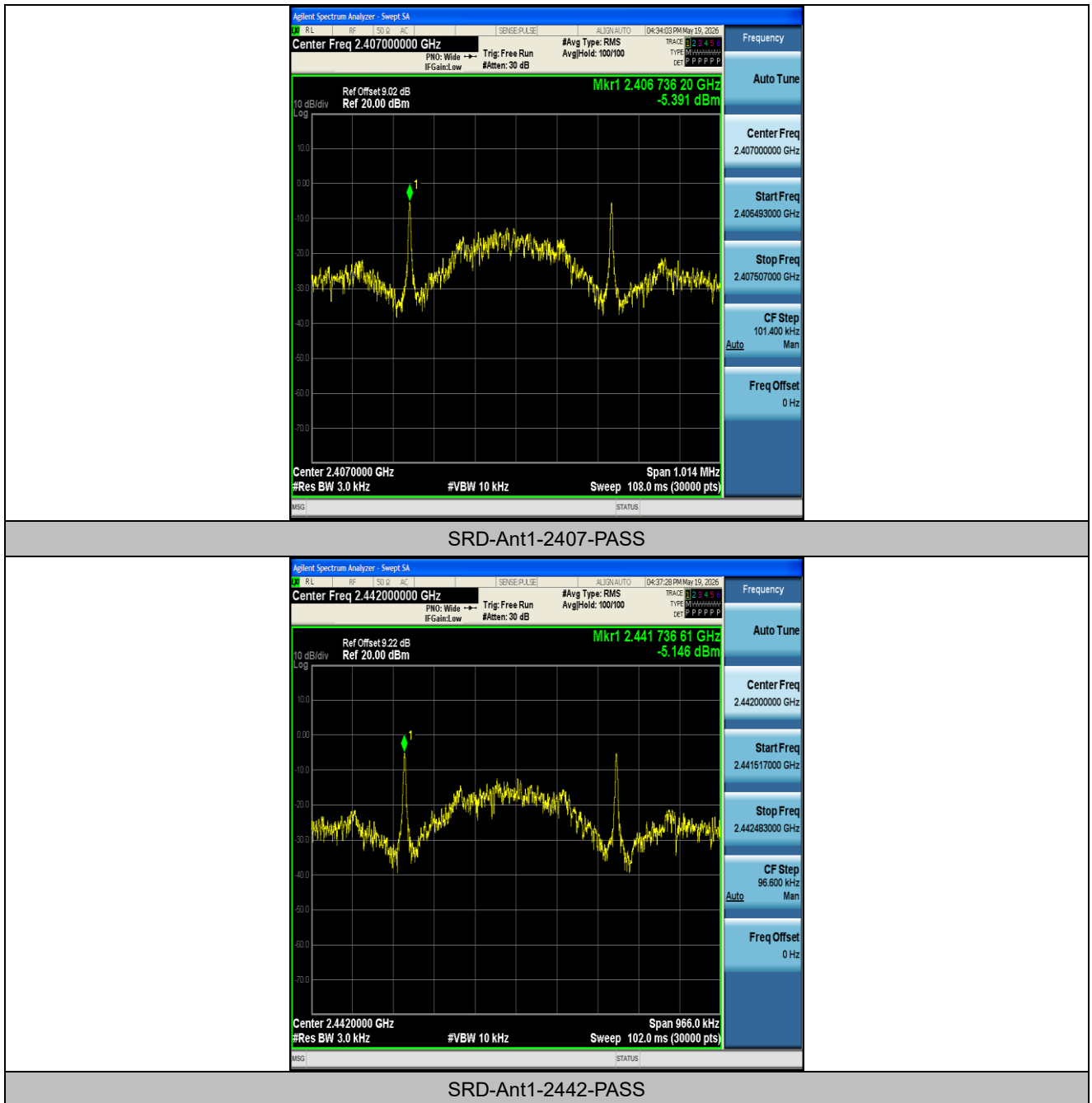
Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2407	-5.39	≤8.00	PASS
SRD	Ant1	2442	-5.15	≤8.00	PASS
SRD	Ant1	2477	-4.90	≤8.00	PASS

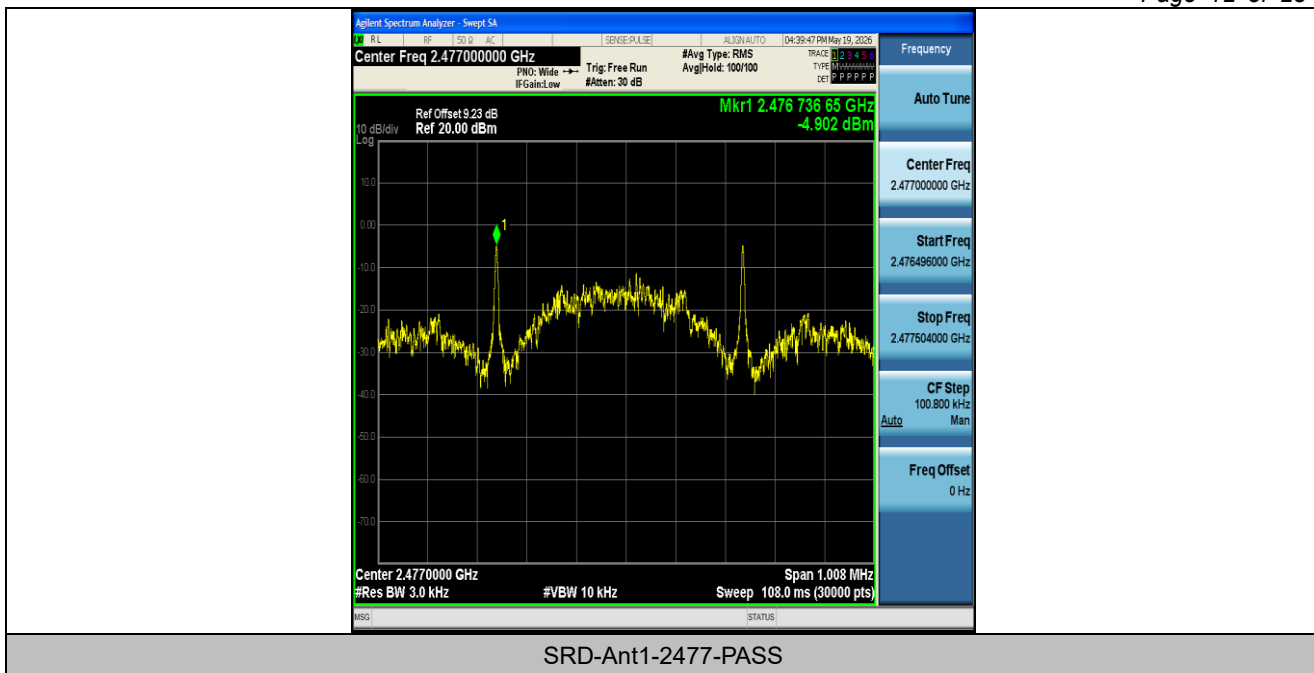
Note: offset(dB) = caSRD loss(dB) + attenuator factor(dB)





Test Graphs







Appendix E: Band edge measurements

Test Result

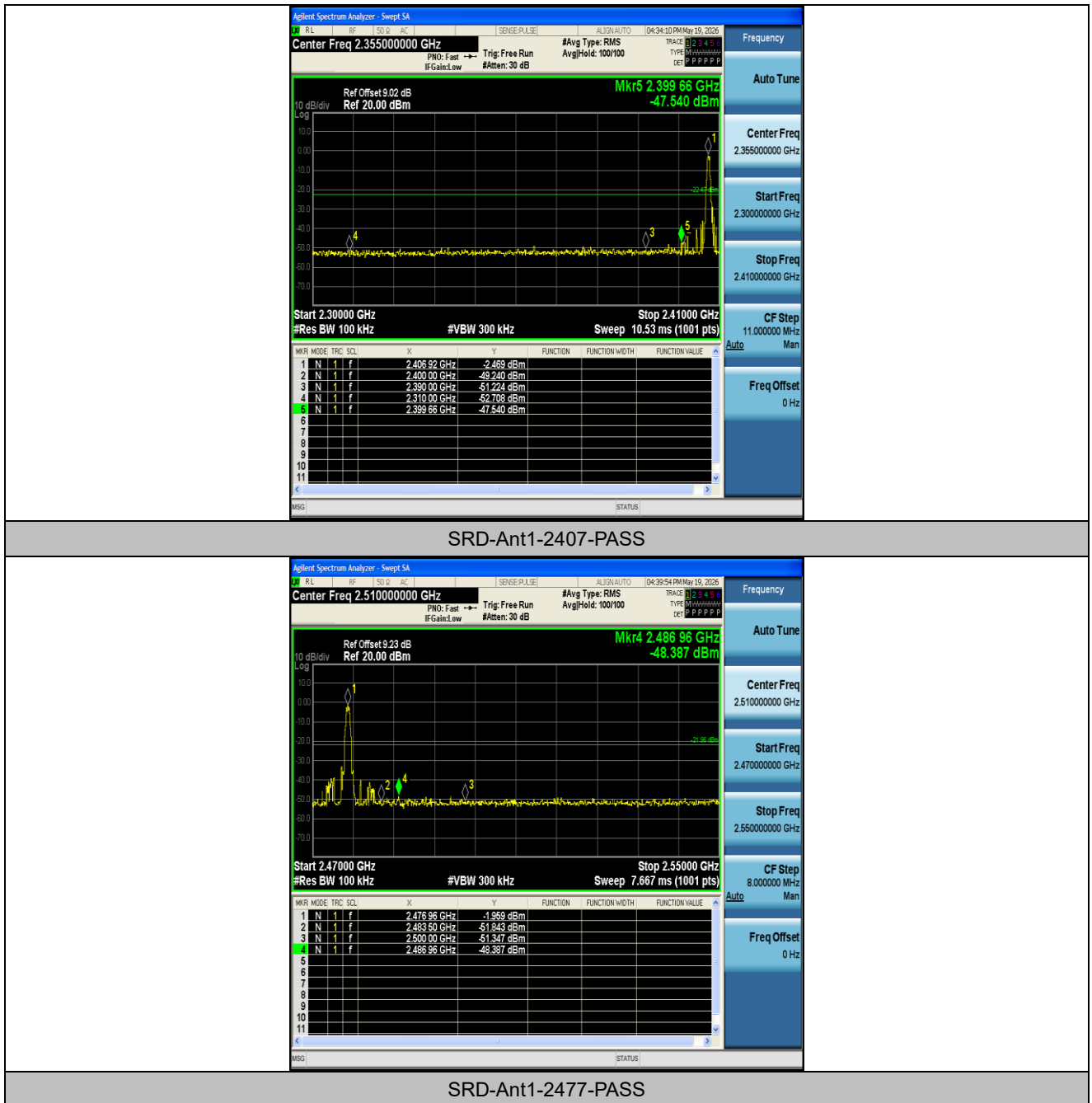
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2407	-2.47	-47.54	≤ -22.47	PASS
SRD	Ant1	High	2477	-1.96	-48.39	≤ -21.96	PASS

Note: offset(dB) = caSRD 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	-1.45	-1.45	---	PASS
SRD	Ant1	2407	30~1000	-1.45	-63.05	≤-21.45	PASS
SRD	Ant1	2407	1000~26500	-1.45	-38.26	≤-21.45	PASS
SRD	Ant1	2442	0~Reference	-2.13	-2.13	---	PASS
SRD	Ant1	2442	30~1000	-2.13	-61.89	≤-22.13	PASS
SRD	Ant1	2442	1000~26500	-2.13	-37.47	≤-22.13	PASS
SRD	Ant1	2477	0~Reference	-1.91	-1.91	---	PASS
SRD	Ant1	2477	30~1000	-1.91	-63.2	≤-21.91	PASS
SRD	Ant1	2477	1000~26500	-1.91	-37.57	≤-21.91	PASS

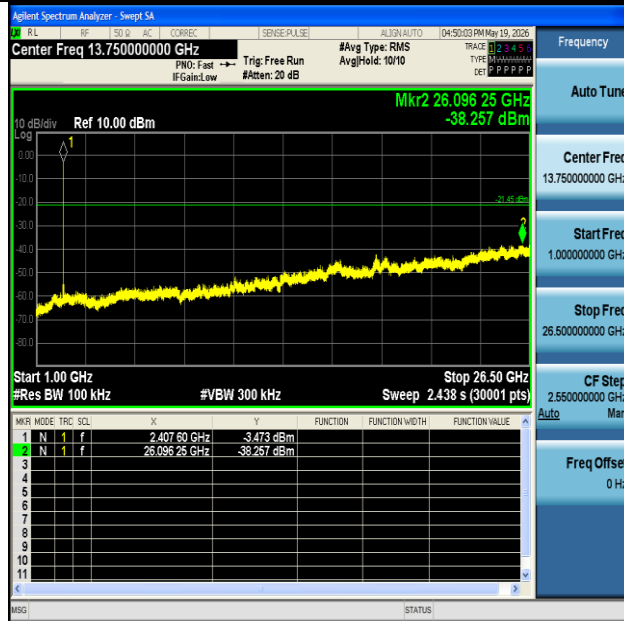
Note: offset(dB) in Reference test plots = caSRD loss(dB) + attenuator factor(dB); For spurious emissions plots from 30MHz to 26.5GHz, the caSRD loss and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.





Test Graphs



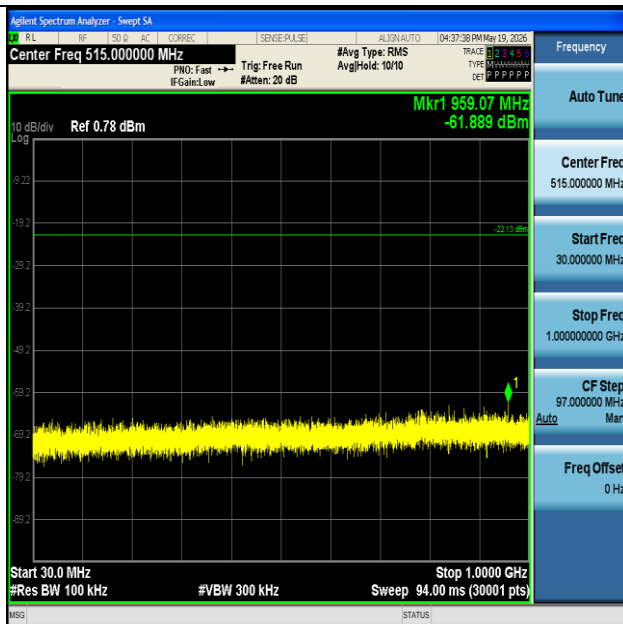


SRD-Ant1-2407-1000~26500-PASS

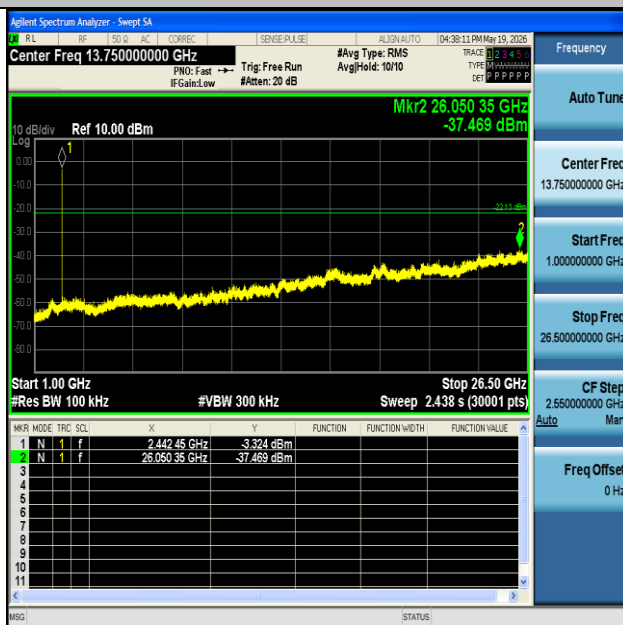


SRD-Ant1-2442-0~Reference-PASS





SRD-Ant1-2442-30~1000-PASS

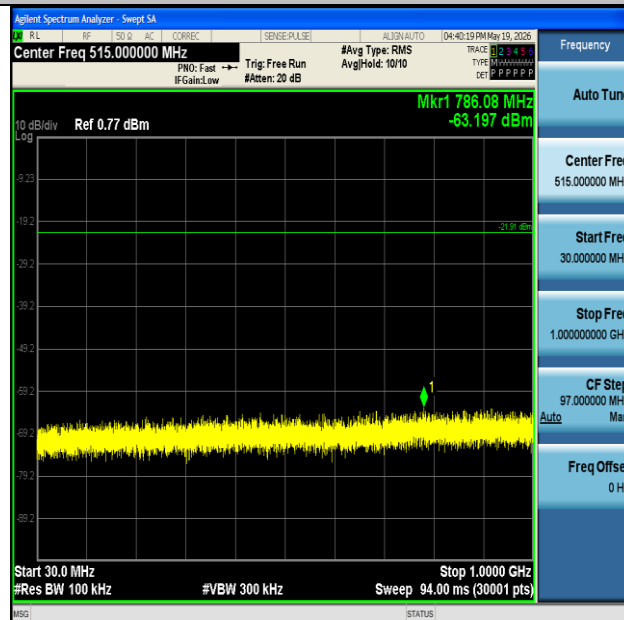


SRD-Ant1-2442-1000~26500-PASS



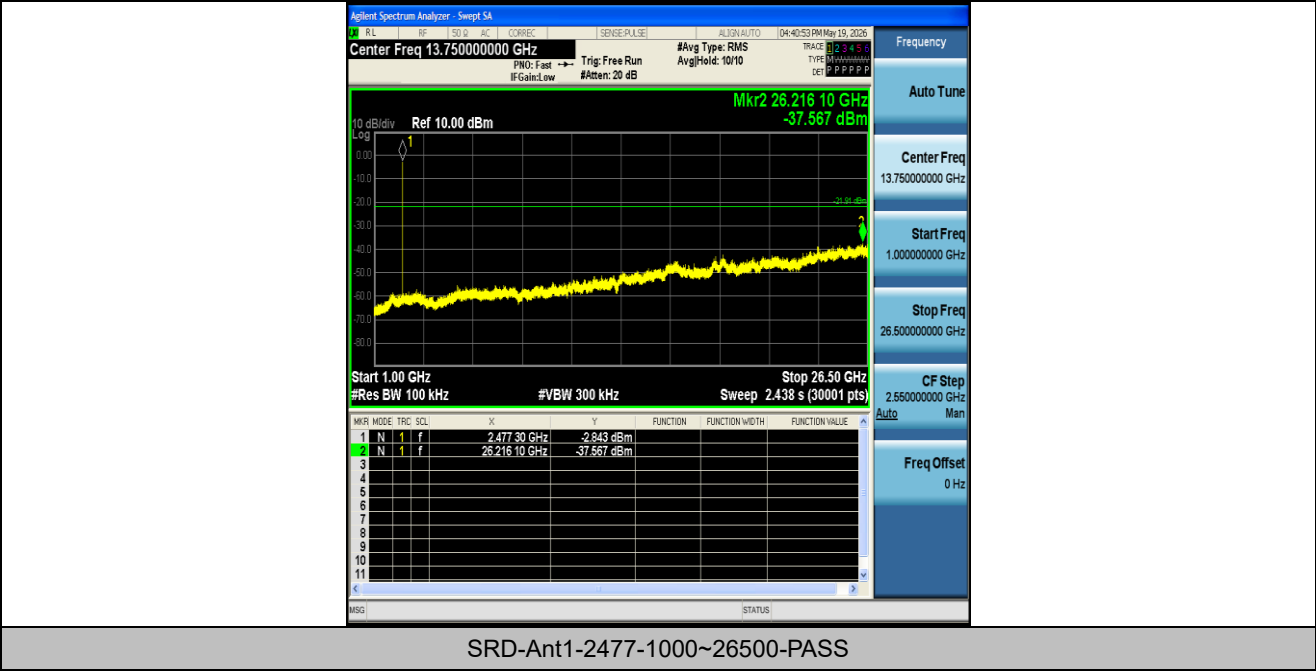


SRD-Ant1-2477-0~Reference-PASS



SRD-Ant1-2477-30~1000-PASS





SRD-Ant1-2477-1000~26500-PASS





Appendix G: Duty Cycle

Test Result

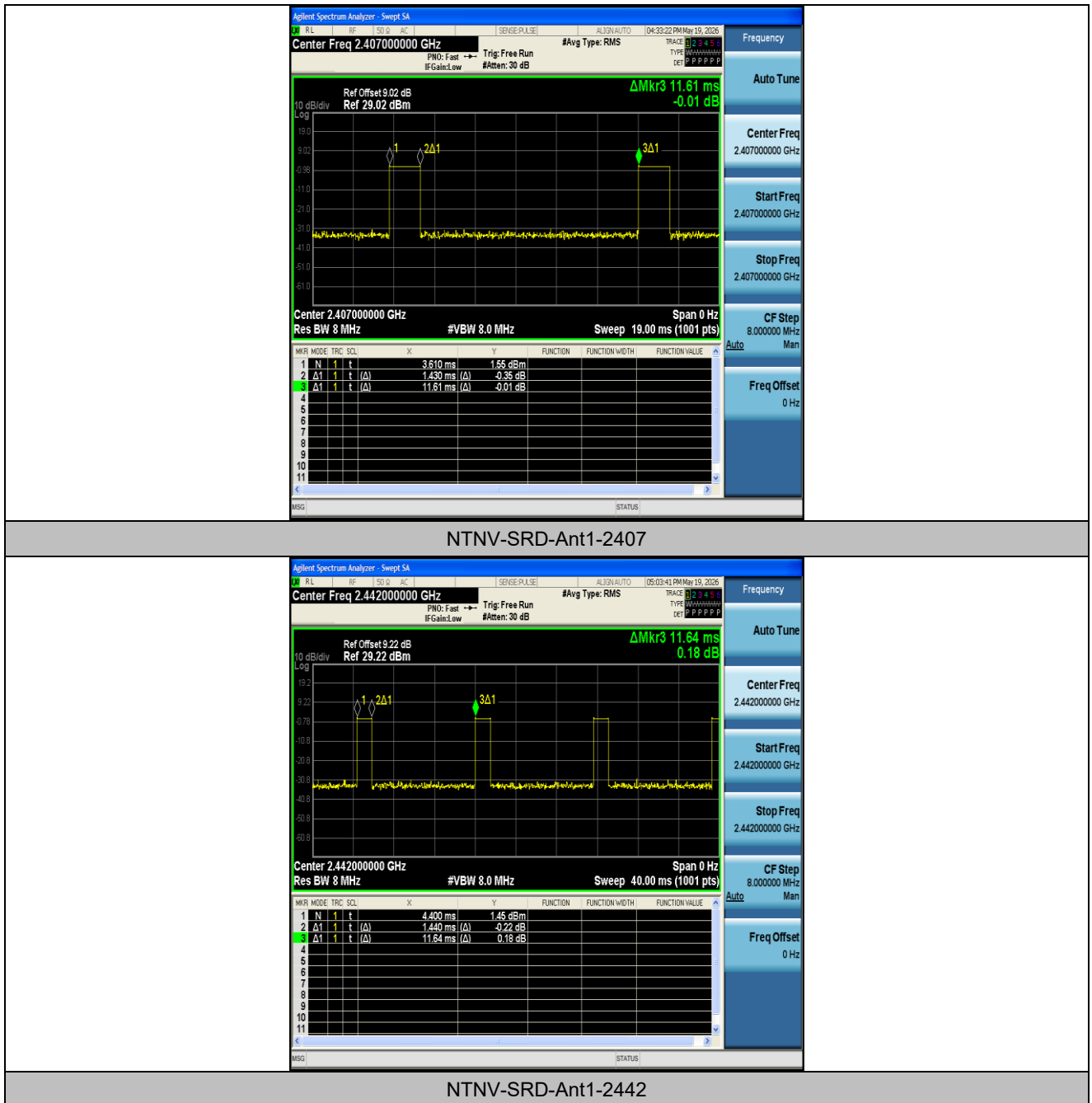
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
SRD	Ant1	2407	1.43	11.61	12.32	9.09
SRD	Ant1	2442	1.44	11.64	12.37	9.08
SRD	Ant1	2477	1.44	11.63	12.38	9.07

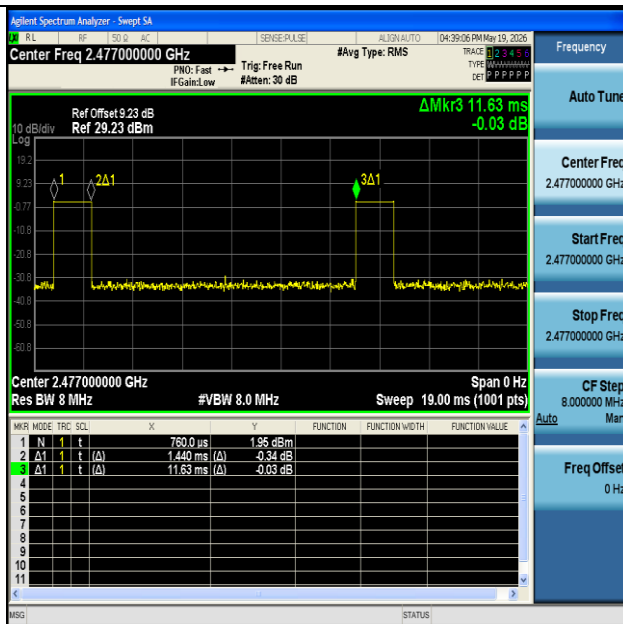
Note: offset(dB) = caSRD loss(dB) + attenuator factor(dB)





Test Graphs





NTNV-SRD-Ant1-2477

