



Appendix Test Data for SRD (Conducted Measurement)

Product Name: RC Car

Trade Mark: /

Test Model: DL-188

FCC ID: 2BWCR-DL188

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

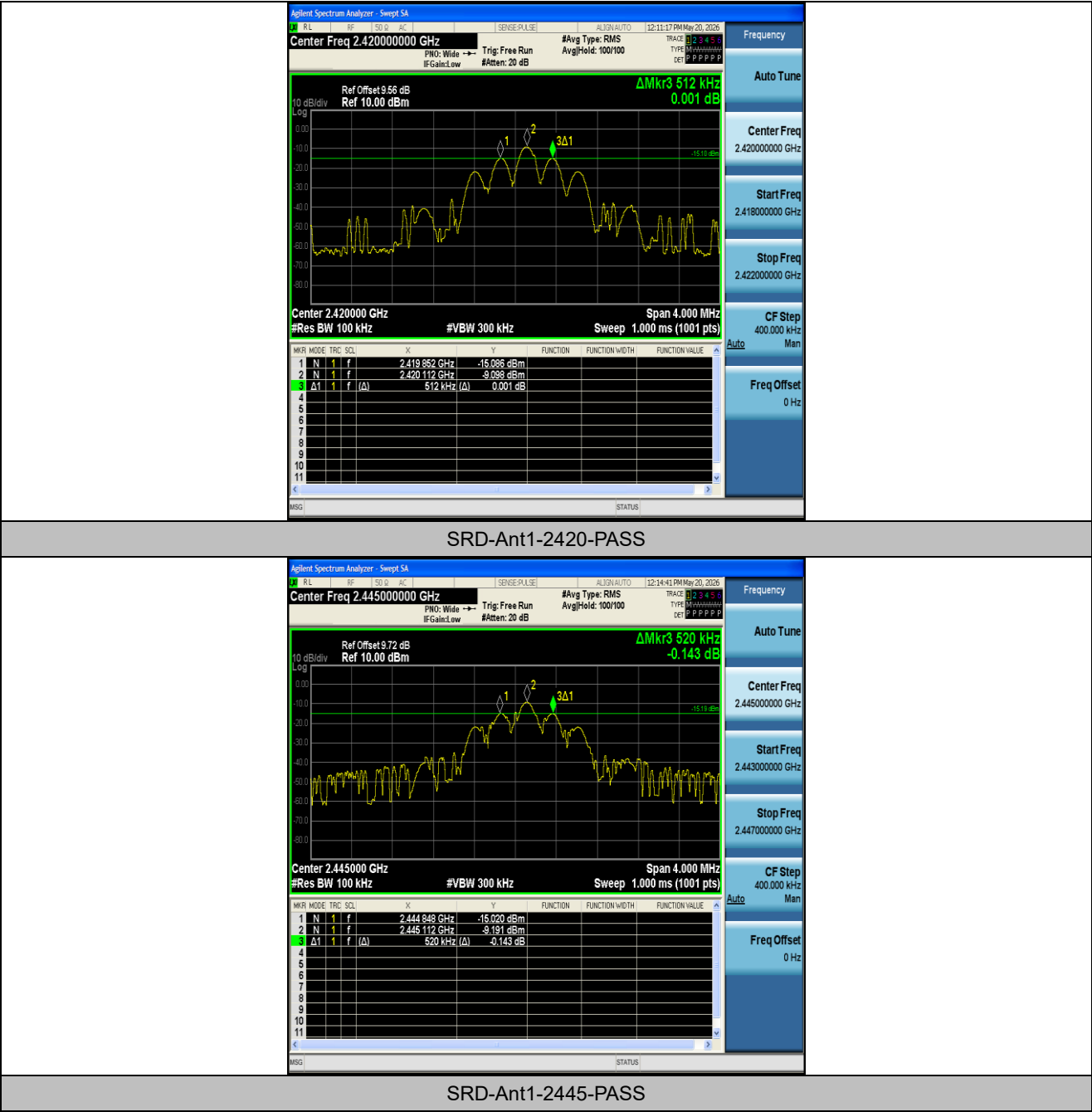
Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2420	0.512	2419.852	2420.364	0.5	PASS
SRD	Ant1	2445	0.520	2444.848	2445.368	0.5	PASS
SRD	Ant1	2470	0.520	2469.852	2470.372	0.5	PASS

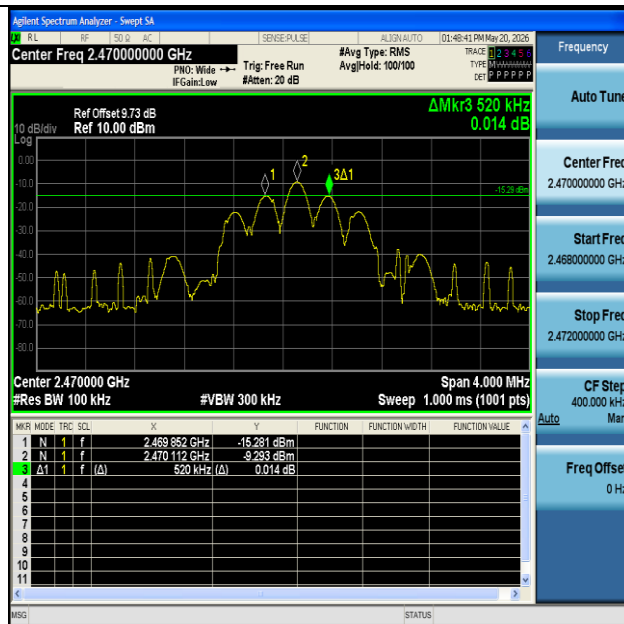
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs





SRD-Ant1-2470-PASS





Appendix B: Occupied Channel Bandwidth

Test Result

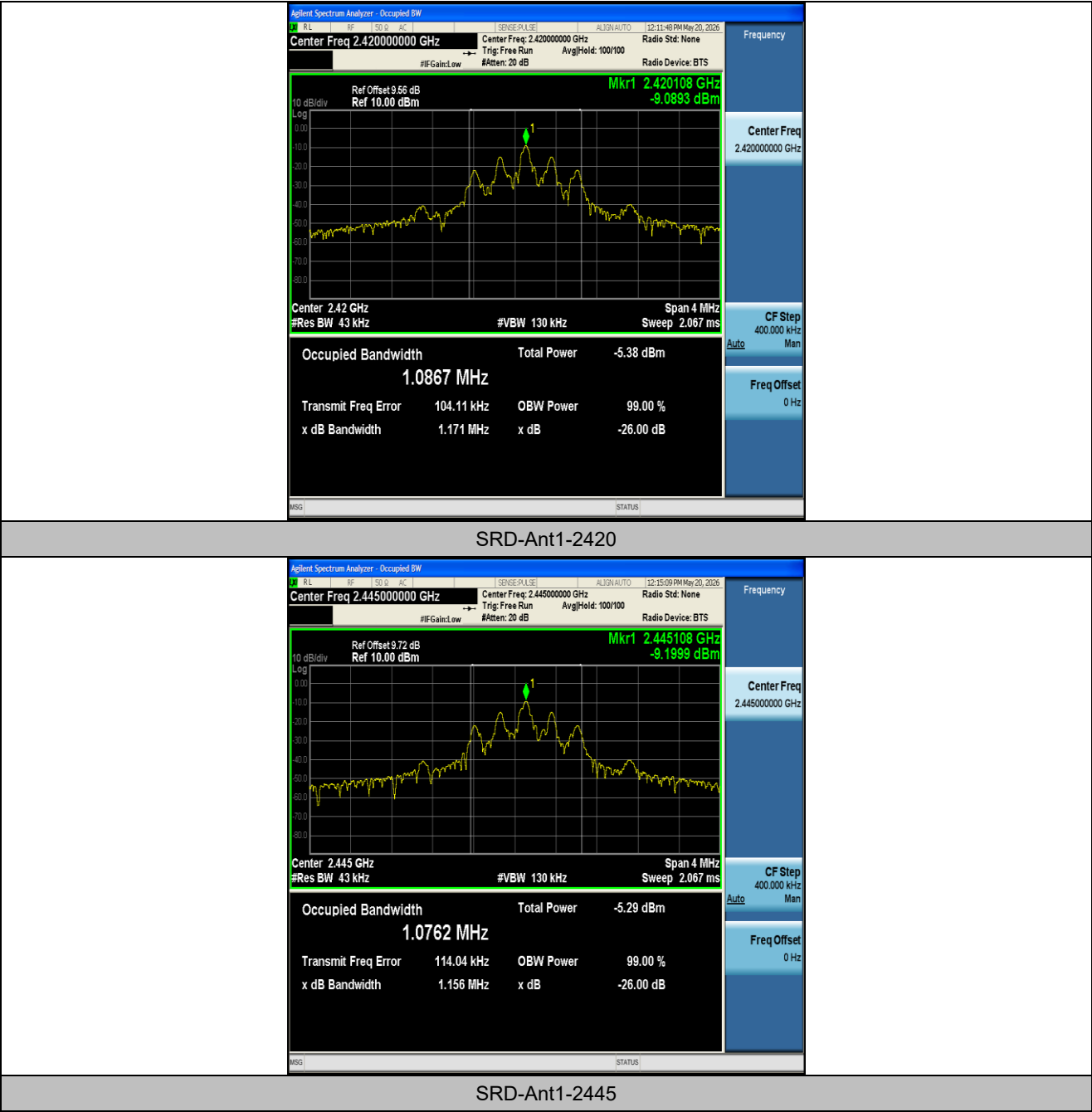
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2420	1.0867	2419.5608	2420.6475	---	---
SRD	Ant1	2445	1.0762	2444.5759	2445.6521	---	---
SRD	Ant1	2470	1.0680	2469.5772	2470.6452	---	---

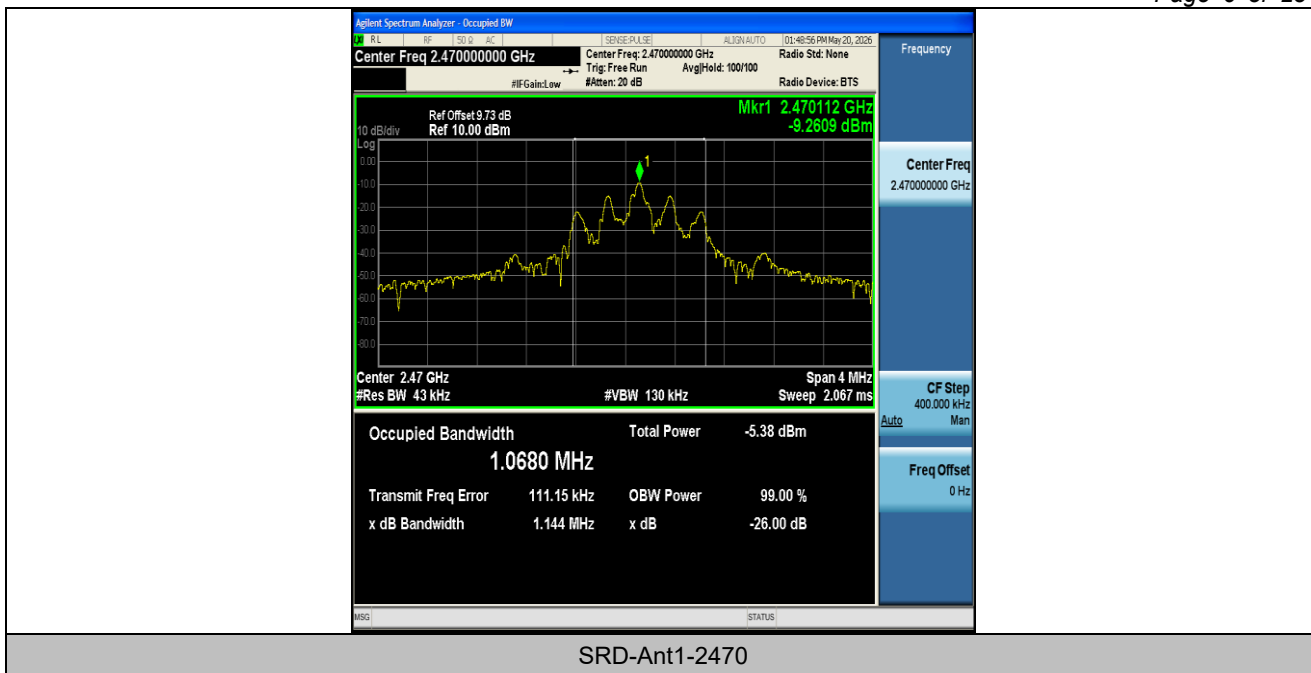
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs







Appendix C: Maximum peak conducted output power

Test Result Peak

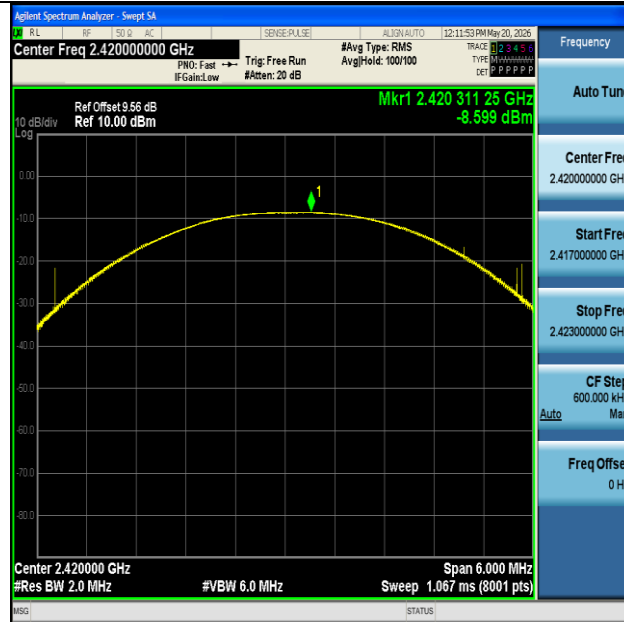
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2420	-8.60	≤30	PASS
SRD	Ant1	2445	-8.71	≤30	PASS
SRD	Ant1	2470	-8.77	≤30	PASS

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

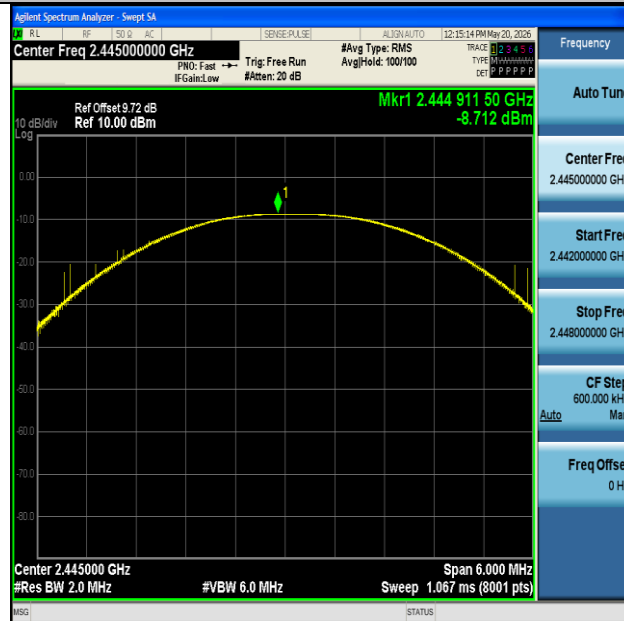




Test Graphs Peak

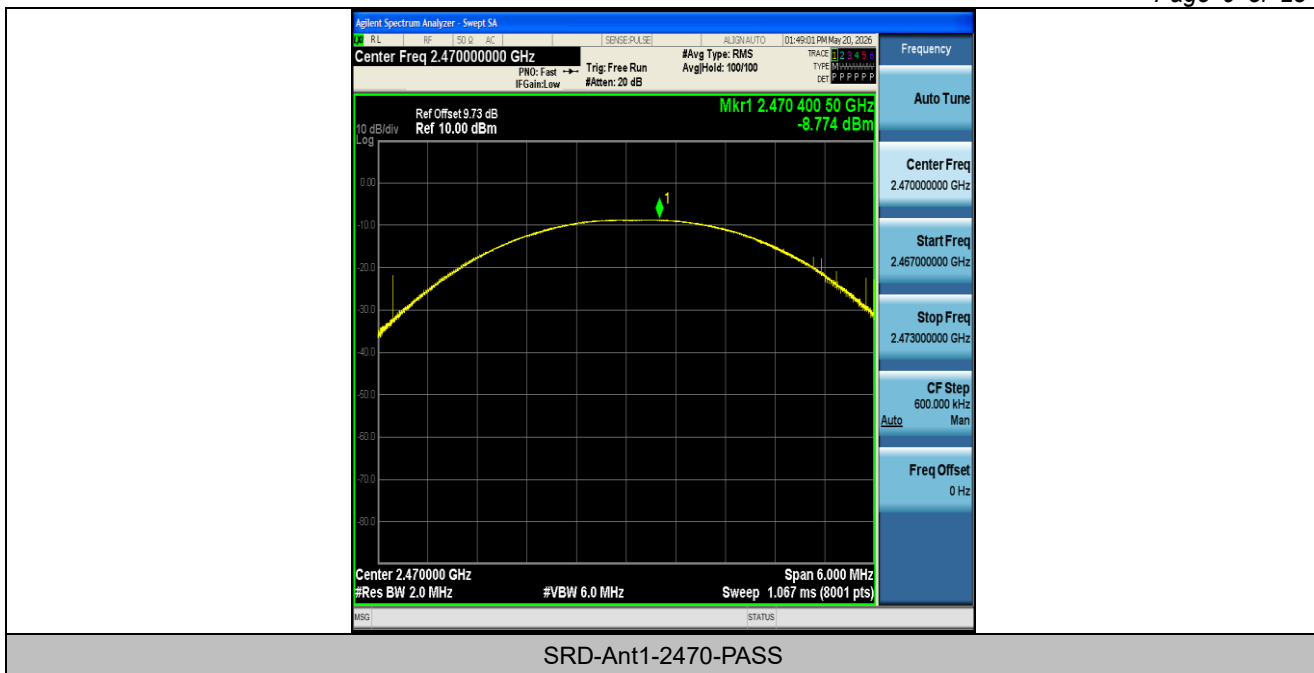


SRD-Ant1-2420-PASS



SRD-Ant1-2445-PASS







Appendix D: Maximum peak power spectral density

Test Result

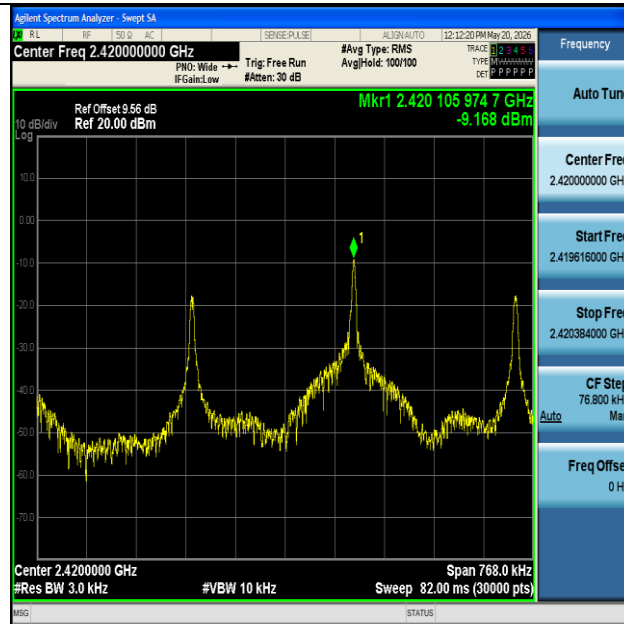
Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2420	-9.17	≤8.00	PASS
SRD	Ant1	2445	-9.29	≤8.00	PASS
SRD	Ant1	2470	-9.33	≤8.00	PASS

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

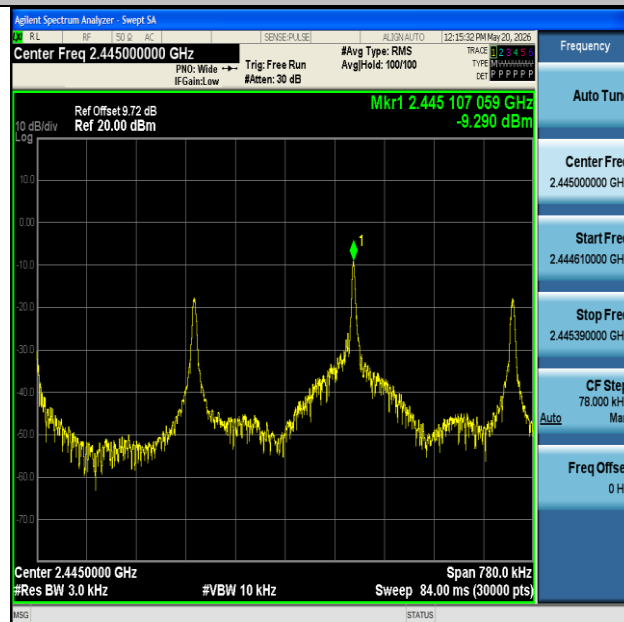




Test Graphs

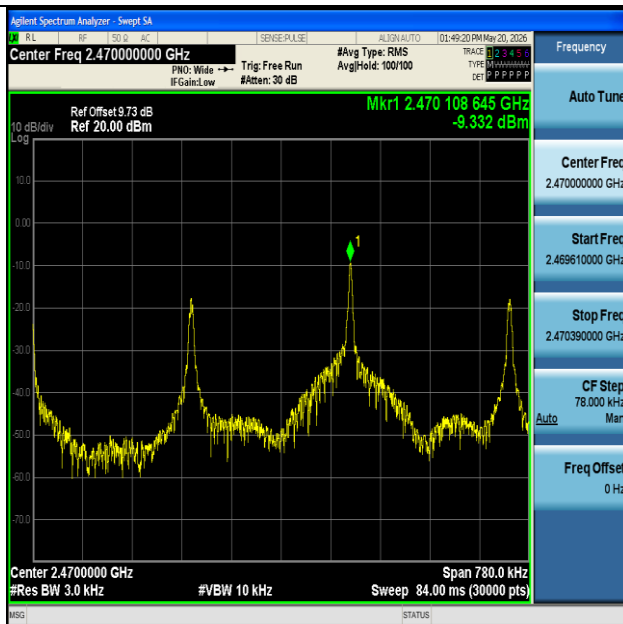


SRD-Ant1-2420-PASS



SRD-Ant1-2445-PASS





SRD-Ant1-2470-PASS





Appendix E: Band edge measurements

Test Result

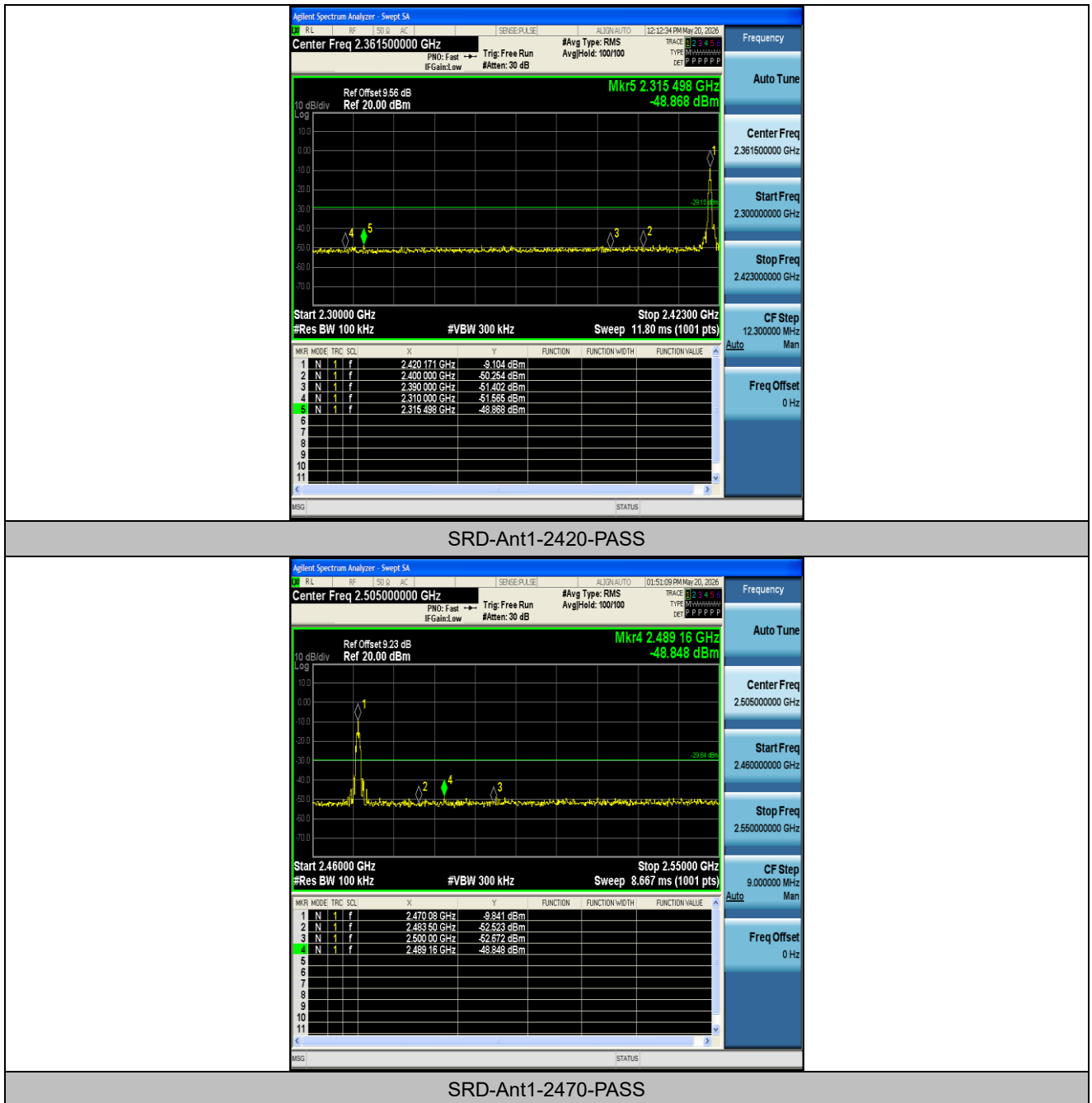
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2420	-9.10	-48.87	≤ -29.1	PASS
SRD	Ant1	High	2470	-9.84	-48.85	≤ -29.84	PASS

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	2420	0~Reference	-9.12	-9.12	---	PASS
SRD	Ant1	2420	30~1000	-9.12	-62.41	≤-29.12	PASS
SRD	Ant1	2420	1000~26500	-9.12	-37.52	≤-29.12	PASS
SRD	Ant1	2445	0~Reference	-9.28	-9.28	---	PASS
SRD	Ant1	2445	30~1000	-9.28	-61.36	≤-29.28	PASS
SRD	Ant1	2445	1000~26500	-9.28	-37.22	≤-29.28	PASS
SRD	Ant1	2470	0~Reference	-9.28	-9.28	---	PASS
SRD	Ant1	2470	30~1000	-9.28	-61.8	≤-29.28	PASS
SRD	Ant1	2470	1000~26500	-9.28	-36.15	≤-29.28	PASS

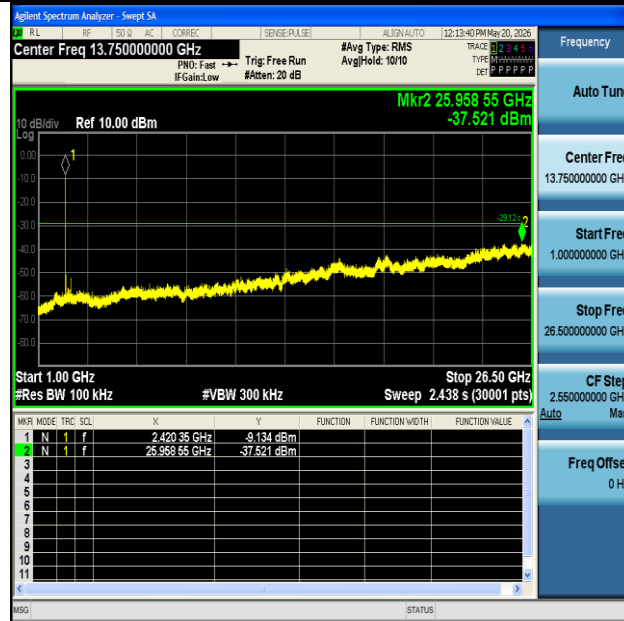
Note: offset(dB) in Reference test plots = cable loss(dB) + attenuator factor(dB); For spurious emissions plots from 30MHz to 26.5GHz, the cable loss and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.





Test Graphs



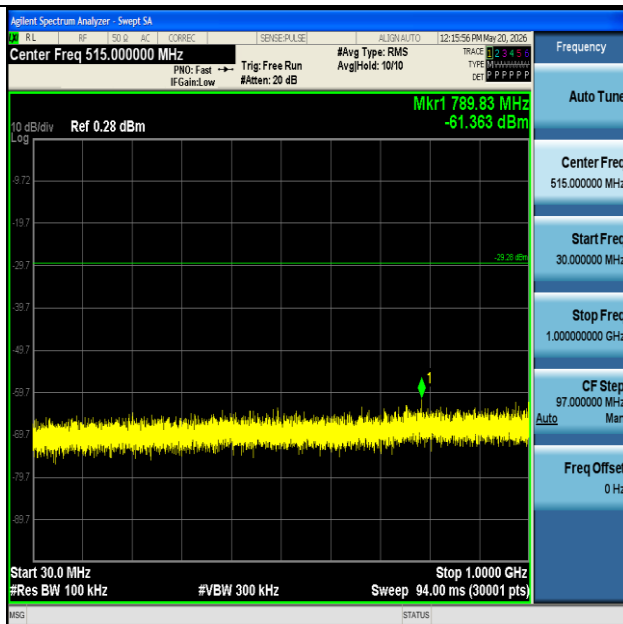


SRD-Ant1-2420-1000~26500-PASS

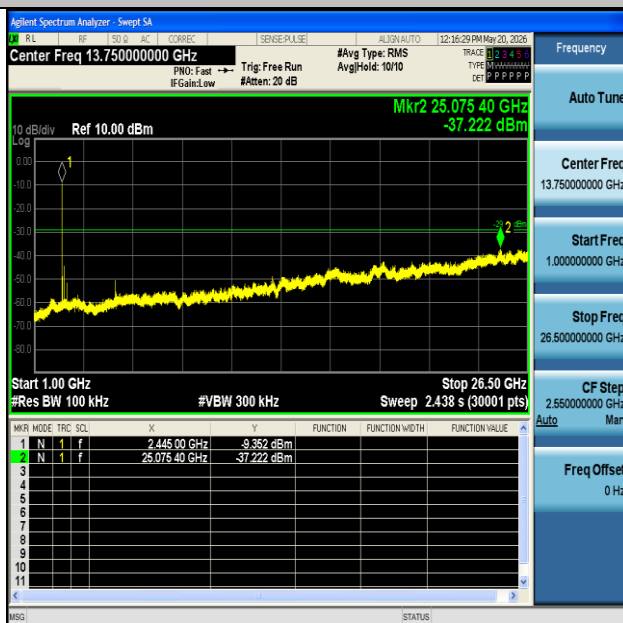


SRD-Ant1-2445-0~Reference-PASS



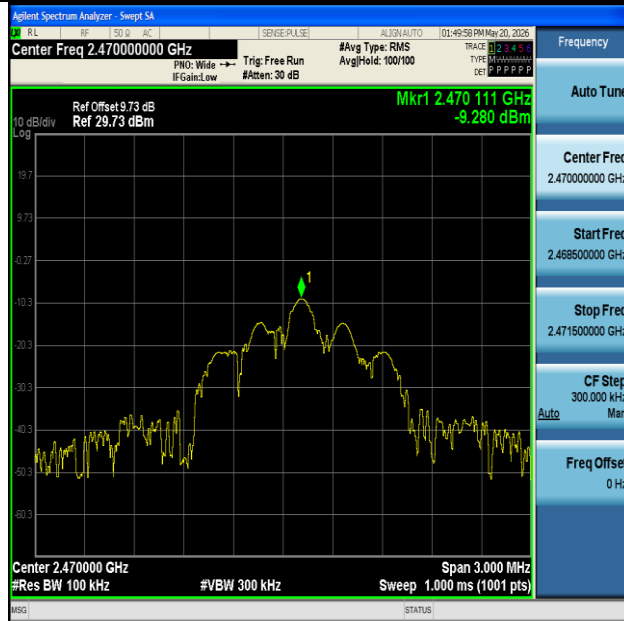


SRD-Ant1-2445-30~1000-PASS

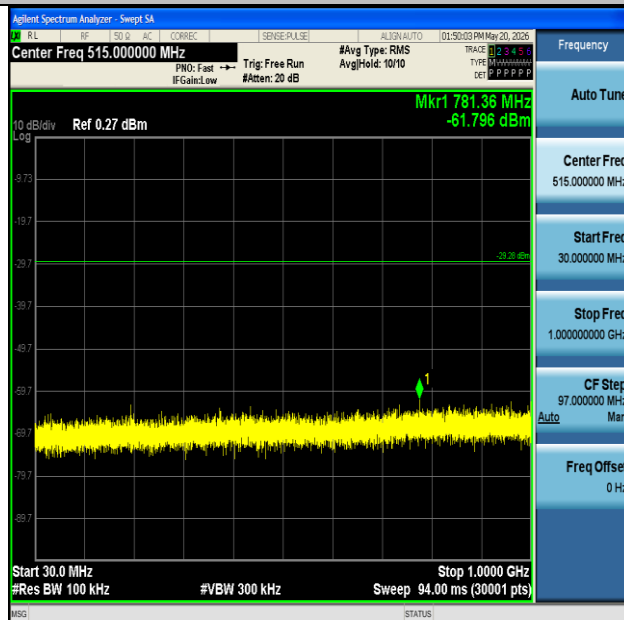


SRD-Ant1-2445-1000~26500-PASS



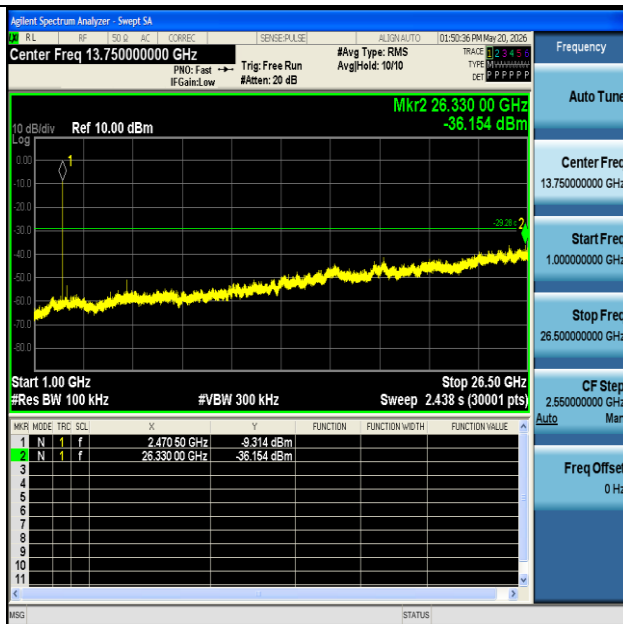


SRD-Ant1-2470-0~Reference-PASS



SRD-Ant1-2470-30~1000-PASS





SRD-Ant1-2470-1000~26500-PASS





Appendix G: Duty Cycle

Test Result

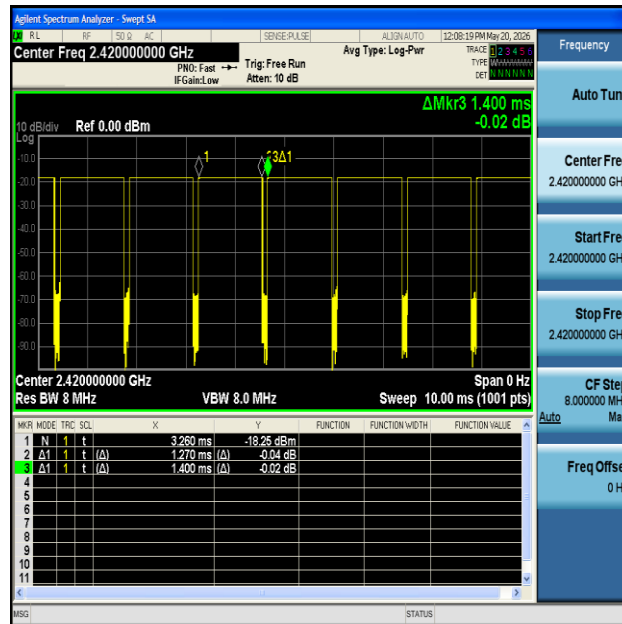
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
SRD	Ant1	2420	1.27	1.40	90.71	0.42
SRD	Ant1	2445	1.28	1.40	91.43	0.39
SRD	Ant1	2470	1.27	1.39	91.37	0.39

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

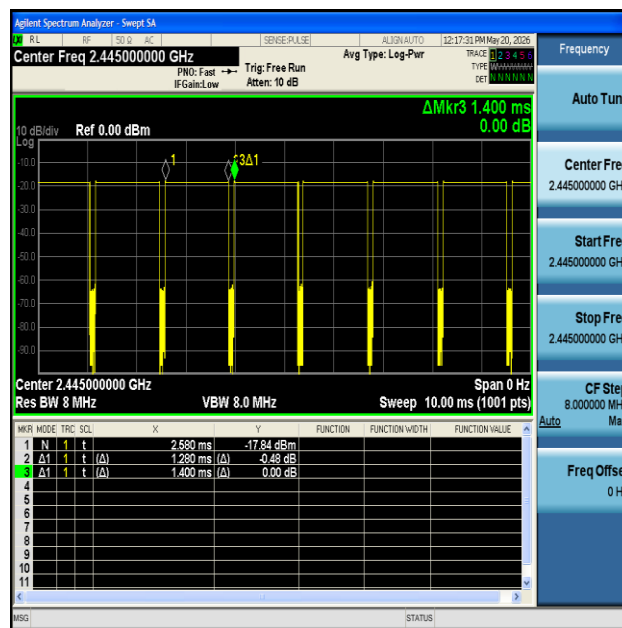




Test Graphs

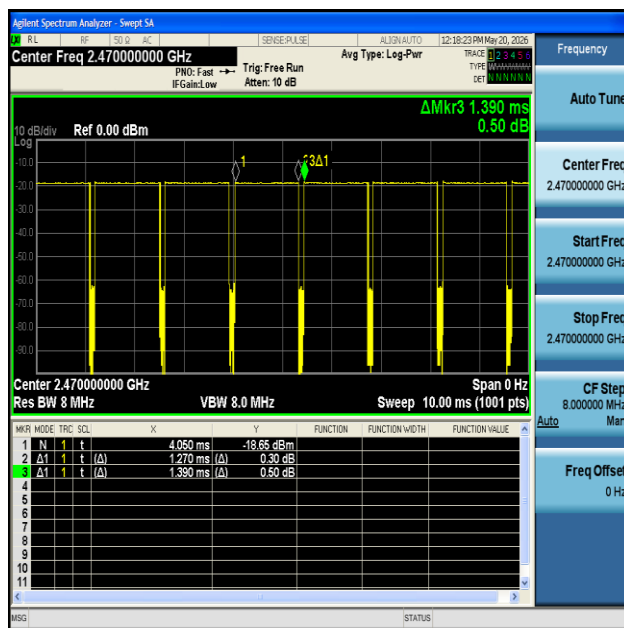


NTNV-SRD-Ant1-2420



NTNV-SRD-Ant1-2445





NTNV-SRD-Ant1-2470

