



Appendix Test Data for SRD (Conducted Measurement)

Product Name: remote control battle football games

Trade Mark: /

Test Model: ZQ0402

FCC ID: ZY3-ZQ0401-06

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	2410	0.624	2409.812	2410.436	0.5	PASS
SRD	Ant1	2437	0.620	2436.816	2437.436	0.5	PASS
SRD	Ant1	2473	0.636	2472.780	2473.416	0.5	PASS

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





Test Graphs





SRD-Ant1-2473-PASS





Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2410	1.1243	2409.5590	2410.6833	---	---
SRD	Ant1	2437	1.1586	2436.5384	2437.6970	---	---
SRD	Ant1	2473	1.1432	2472.5491	2473.6923	---	---

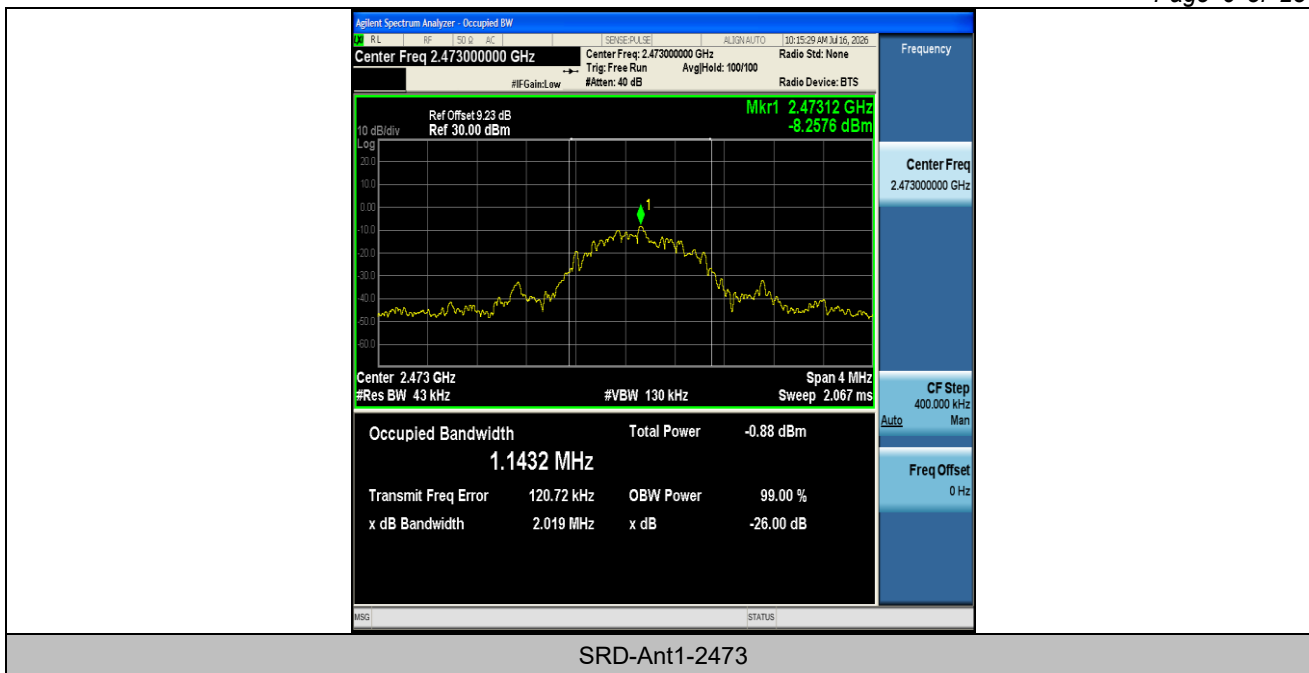
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs







Appendix C: Maximum peak conducted output power

Test Result Peak

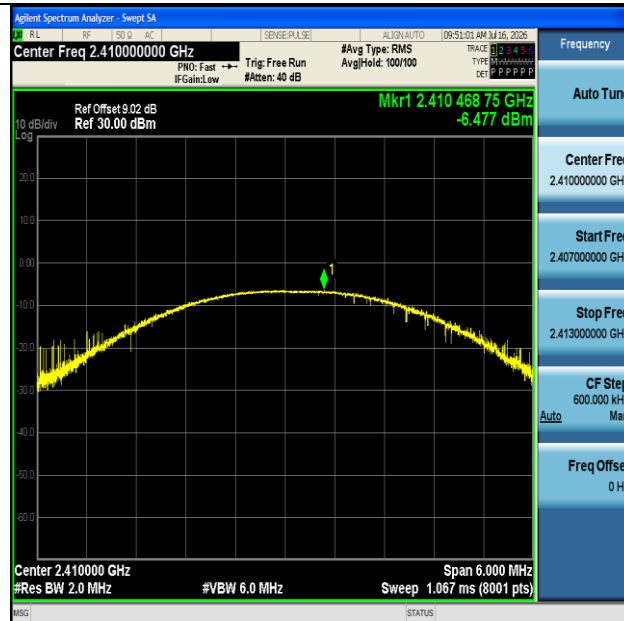
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2410	-6.48	≤30	PASS
SRD	Ant1	2437	-5.83	≤30	PASS
SRD	Ant1	2473	-5.73	≤30	PASS

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

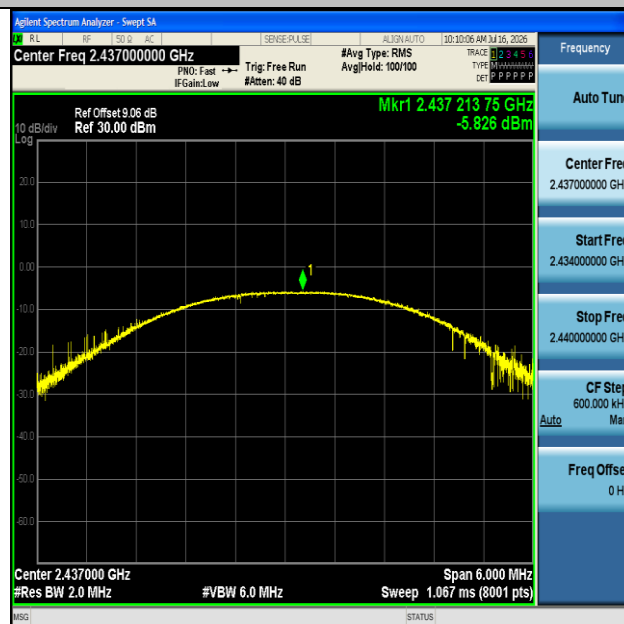




Test Graphs Peak

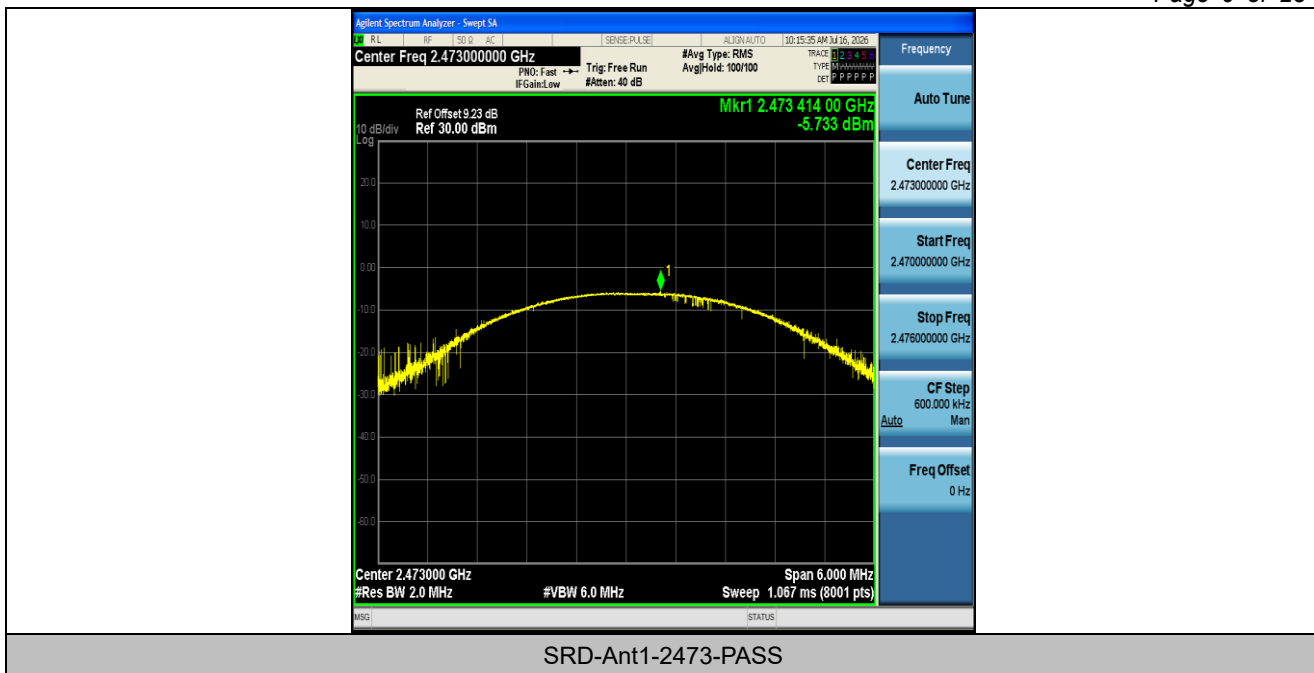


SRD-Ant1-2410-PASS



SRD-Ant1-2437-PASS







Appendix D: Maximum peak power spectral density

Test Result

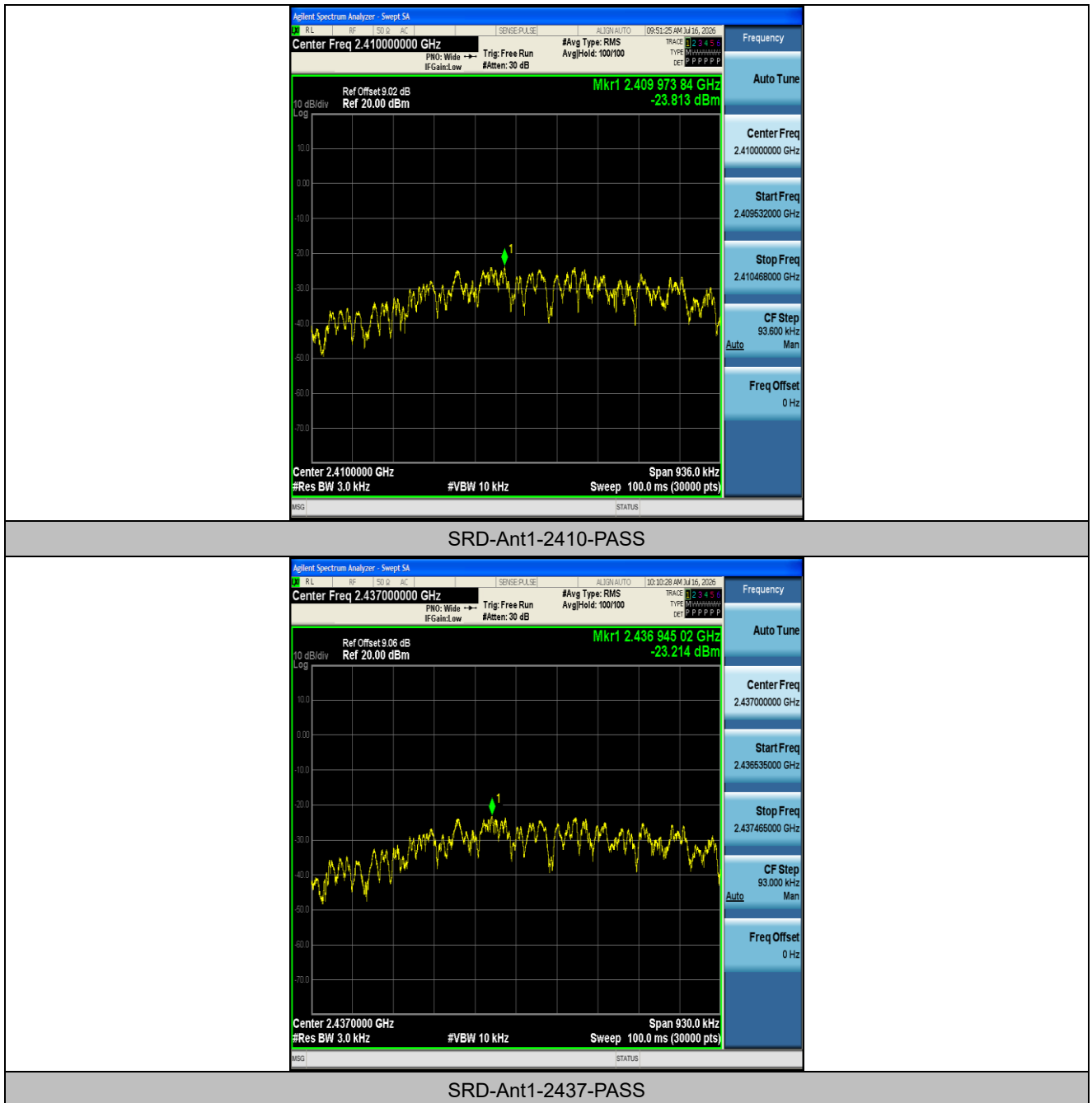
Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2410	-23.81	≤8.00	PASS
SRD	Ant1	2437	-23.21	≤8.00	PASS
SRD	Ant1	2473	-23.52	≤8.00	PASS

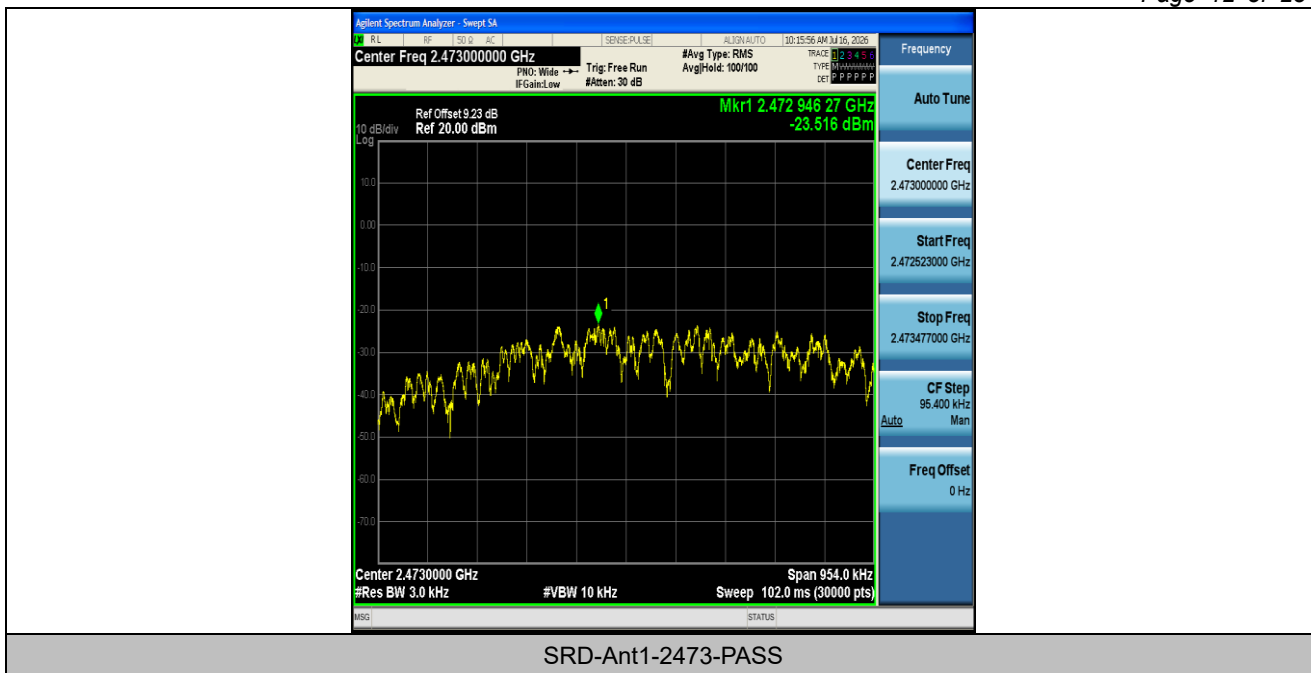
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs







Appendix E: Band edge measurements

Test Result

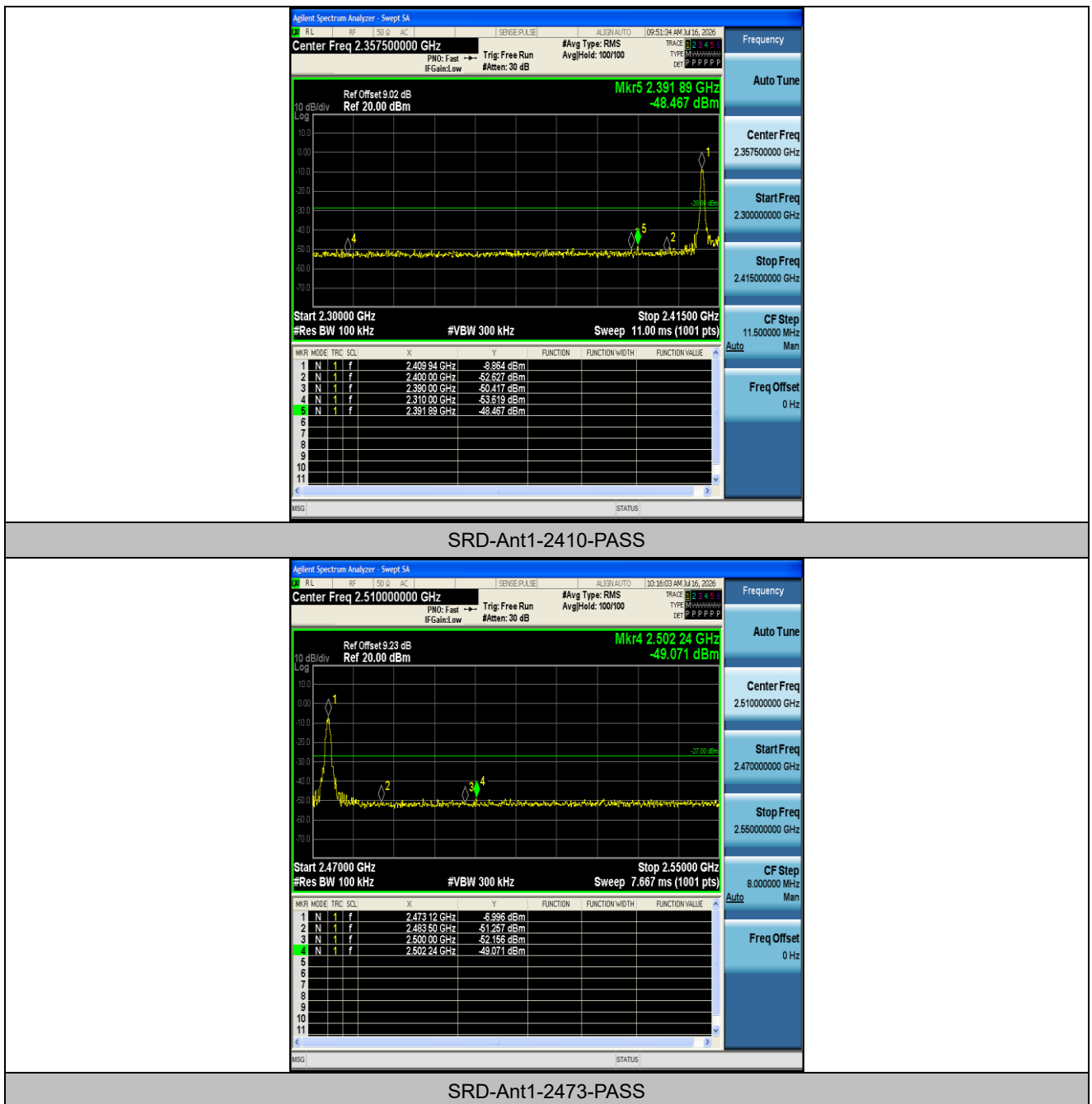
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2410	-8.86	-48.47	≤ -28.86	PASS
SRD	Ant1	High	2473	-7.00	-49.07	≤ -27	PASS

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	2410	0~Reference	-7.85	-7.85	---	PASS
SRD	Ant1	2410	30~1000	-7.85	-61.38	≤-27.85	PASS
SRD	Ant1	2410	1000~26500	-7.85	-37.61	≤-27.85	PASS
SRD	Ant1	2437	0~Reference	-7.09	-7.09	---	PASS
SRD	Ant1	2437	30~1000	-7.09	-62.58	≤-27.09	PASS
SRD	Ant1	2437	1000~26500	-7.09	-37.43	≤-27.09	PASS
SRD	Ant1	2473	0~Reference	-7.35	-7.35	---	PASS
SRD	Ant1	2473	30~1000	-7.35	-61.67	≤-27.35	PASS
SRD	Ant1	2473	1000~26500	-7.35	-38.02	≤-27.35	PASS

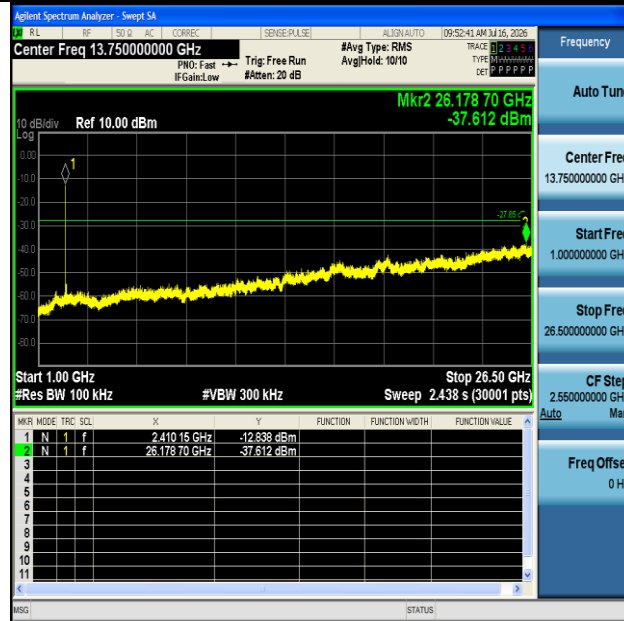
Note: offset(dB) in Reference test plots = cable loss(dB) + attenuator factor(dB); For spurious emissions plots from 30MHz to 26.5GHz, the cable loss and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.





Test Graphs



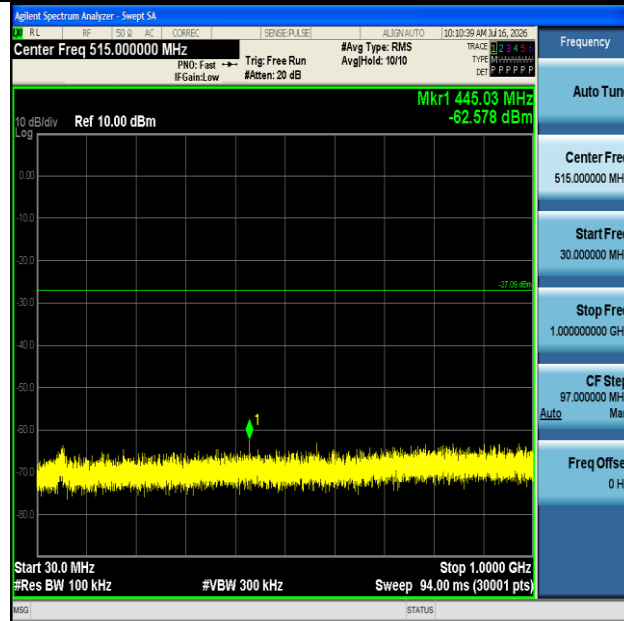


SRD-Ant1-2410-1000~26500-PASS

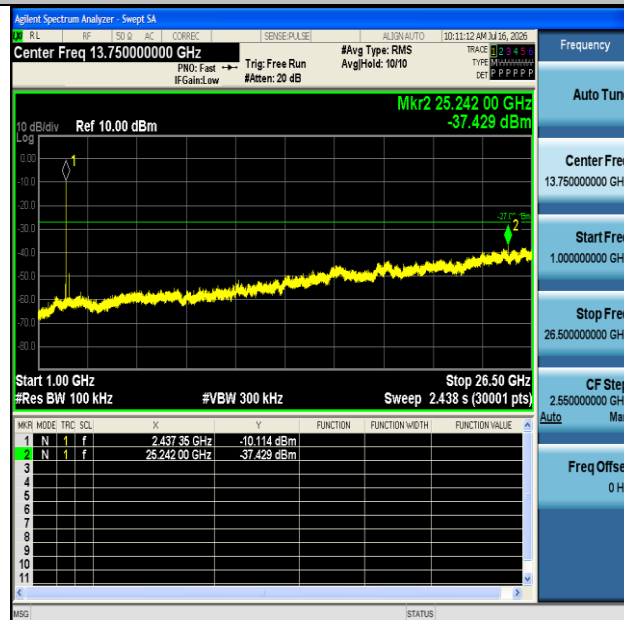


SRD-Ant1-2437-0~Reference-PASS





SRD-Ant1-2437-30~1000-PASS

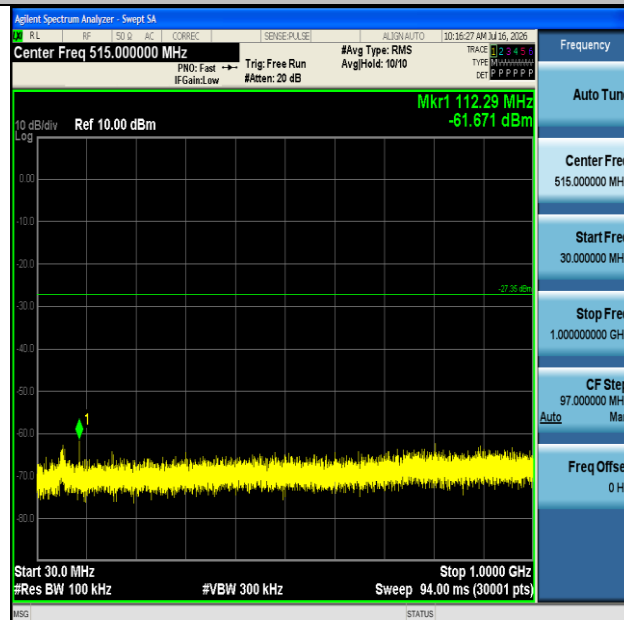


SRD-Ant1-2437-1000~26500-PASS



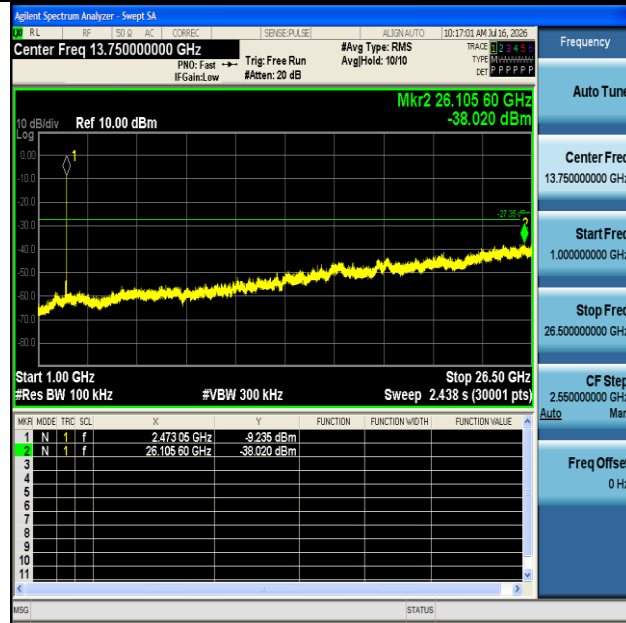


SRD-Ant1-2473-0~Reference-PASS



SRD-Ant1-2473-30~1000-PASS





SRD-Ant1-2473-1000~26500-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	2410	0.15	0.53	28.30	5.48
SRD	Ant1	2437	0.15	0.54	27.78	5.56
SRD	Ant1	2473	0.15	0.53	28.30	5.48

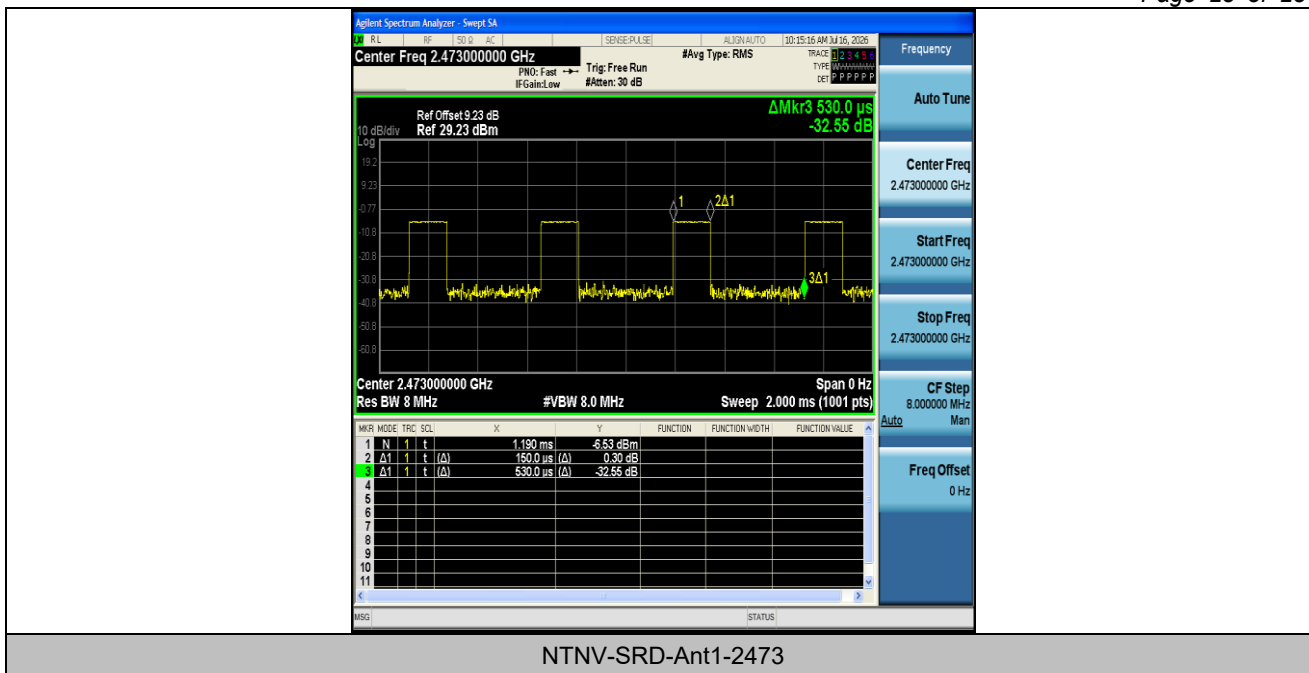
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs





NTNV-SRD-Ant1-2473

