



Appendix Test Data for SRD (Conducted Measurement)

Product Name: Remote control car

Trade Mark: /

Test Model: HB-ZP1010

FCC ID: ZY3-HB-ZP102026

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	2432	0.628	2431.672	2432.300	0.5	PASS
SRD	Ant1	2447	0.700	2446.648	2447.348	0.5	PASS
SRD	Ant1	2463	0.696	2462.664	2463.360	0.5	PASS

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





Test Graphs





SRD-Ant1-2463-PASS





Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2432	2.4493	2430.7584	2433.2077	---	---
SRD	Ant1	2447	2.3676	2445.7699	2448.1375	---	---
SRD	Ant1	2463	2.5648	2461.6971	2464.2619	---	---

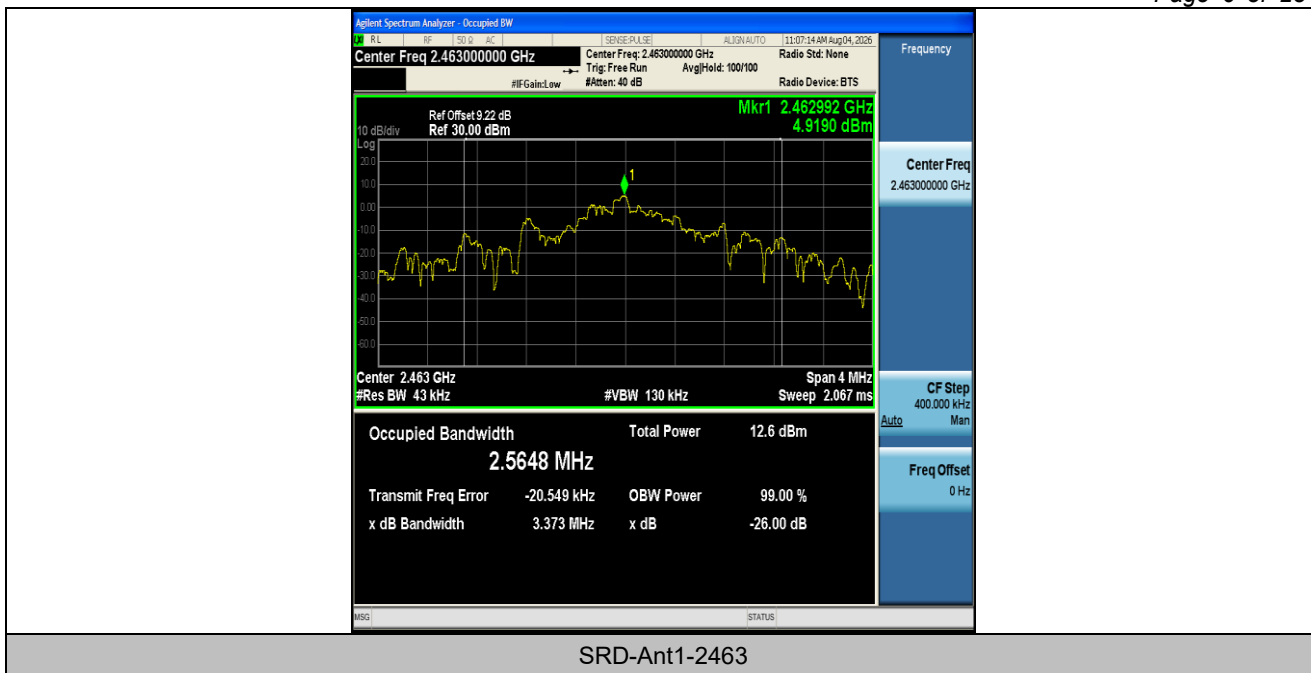
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs







Appendix C: Maximum peak conducted output power

Test Result Peak

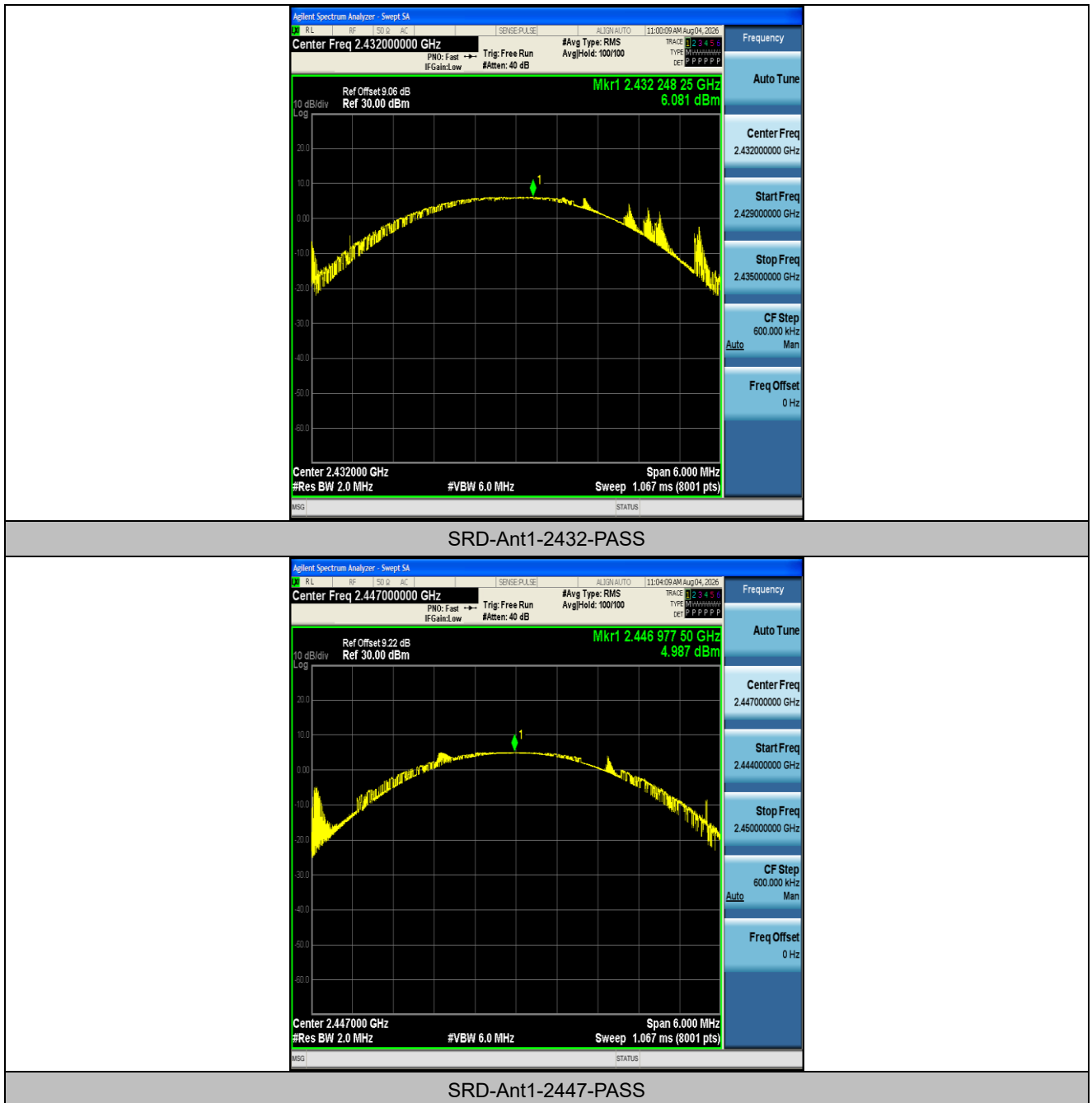
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2432	6.08	≤30	PASS
SRD	Ant1	2447	4.99	≤30	PASS
SRD	Ant1	2463	4.86	≤30	PASS

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





Test Graphs Peak







Appendix D: Maximum peak power spectral density

Test Result

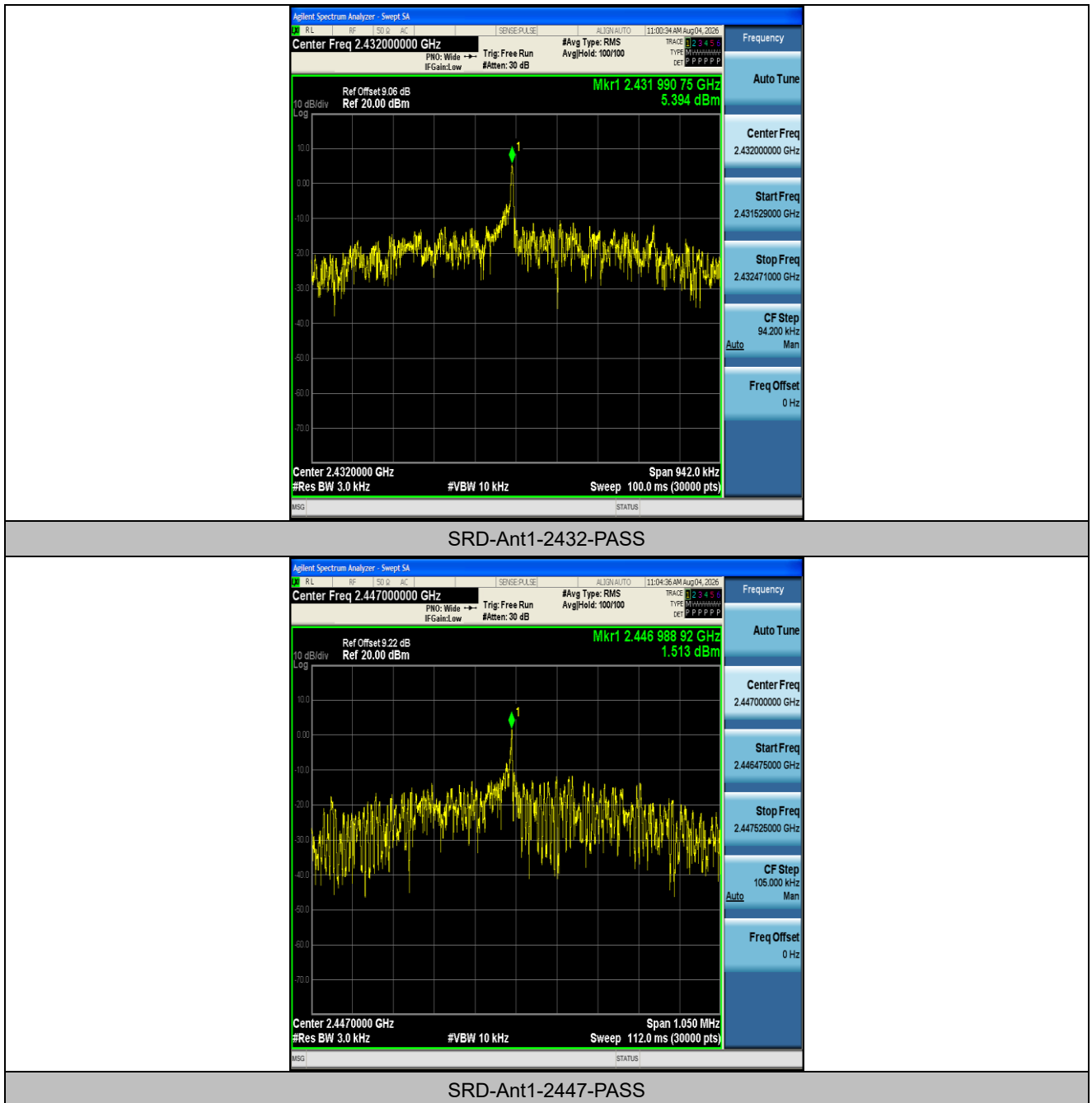
Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2432	5.39	≤8.00	PASS
SRD	Ant1	2447	1.51	≤8.00	PASS
SRD	Ant1	2463	4.38	≤8.00	PASS

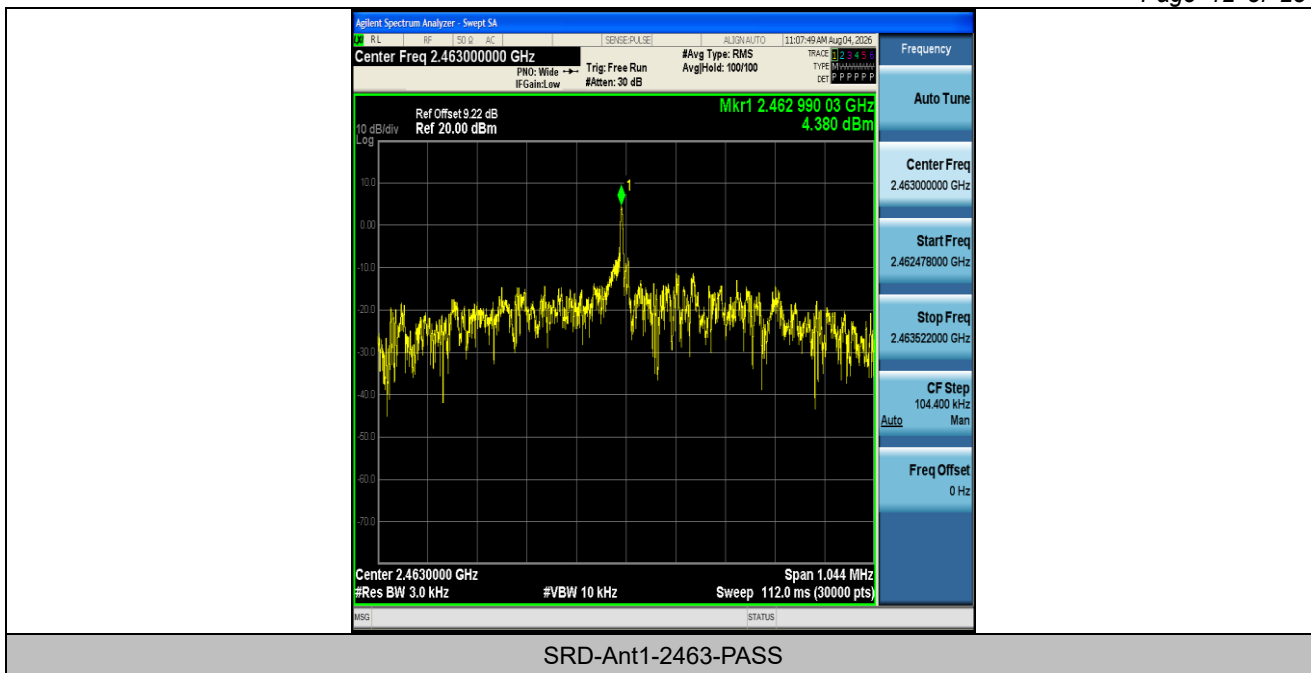
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs







Appendix E: Band edge measurements

Test Result

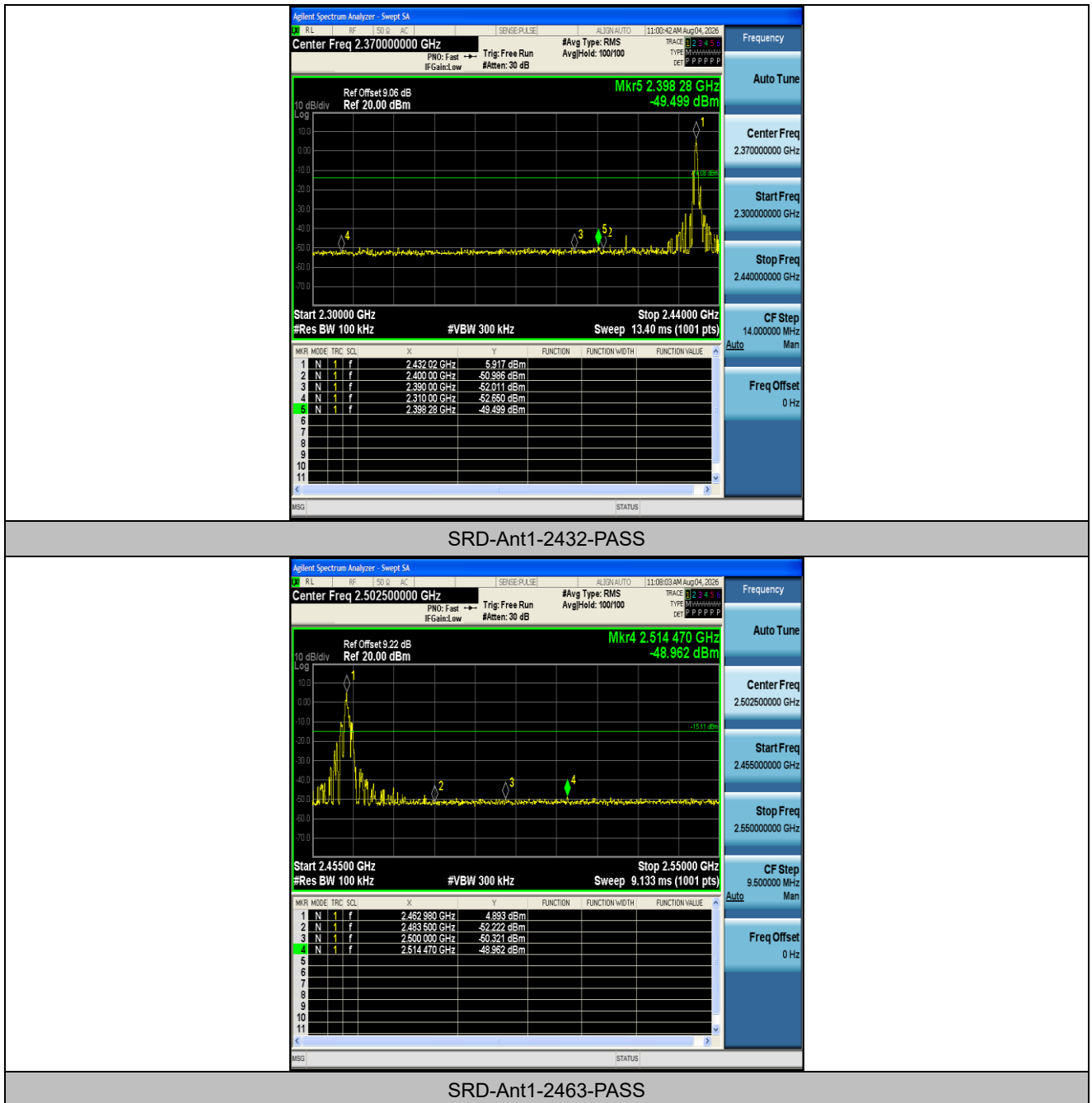
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2432	5.92	-49.5	≤ -14.08	PASS
SRD	Ant1	High	2463	4.89	-48.96	≤ -15.11	PASS

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	2432	0~Reference	5.89	5.89	---	PASS
SRD	Ant1	2432	30~1000	5.89	-61.85	≤-14.11	PASS
SRD	Ant1	2432	1000~26500	5.89	-36.47	≤-14.11	PASS
SRD	Ant1	2447	0~Reference	4.90	4.90	---	PASS
SRD	Ant1	2447	30~1000	4.90	-62.3	≤-15.1	PASS
SRD	Ant1	2447	1000~26500	4.90	-37.14	≤-15.1	PASS
SRD	Ant1	2463	0~Reference	4.77	4.77	---	PASS
SRD	Ant1	2463	30~1000	4.77	-62.28	≤-15.23	PASS
SRD	Ant1	2463	1000~26500	4.77	-37.16	≤-15.23	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



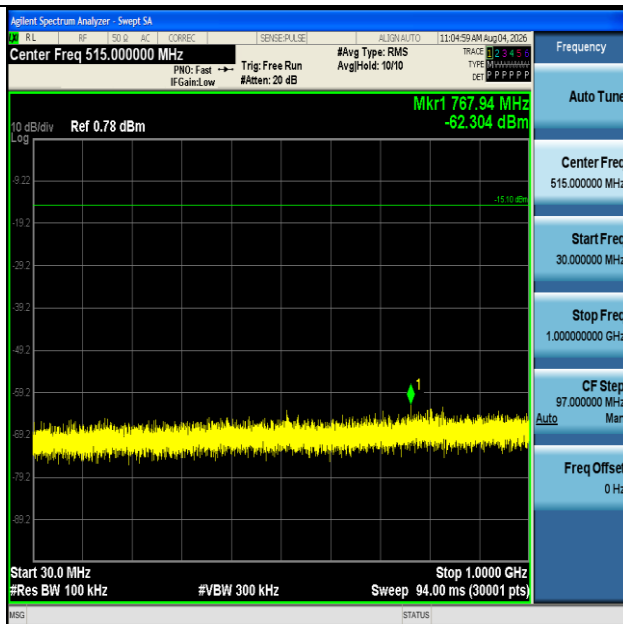


SRD-Ant1-2432-1000~26500-PASS

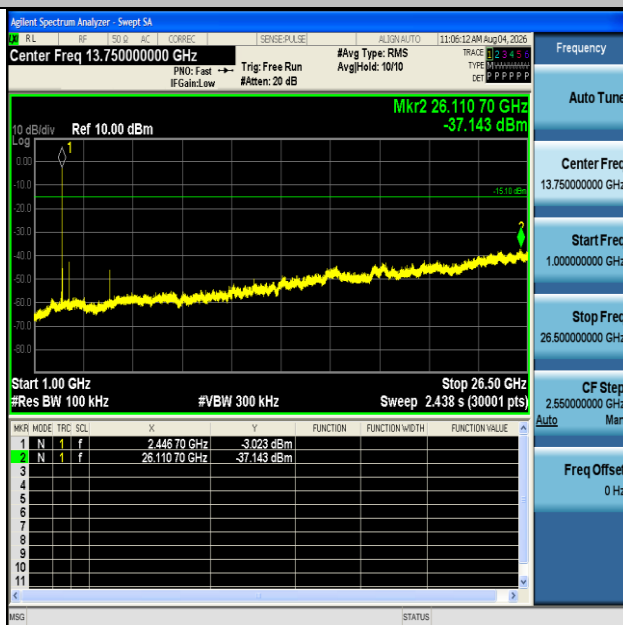


SRD-Ant1-2447-0~Reference-PASS





SRD-Ant1-2447-30~1000-PASS

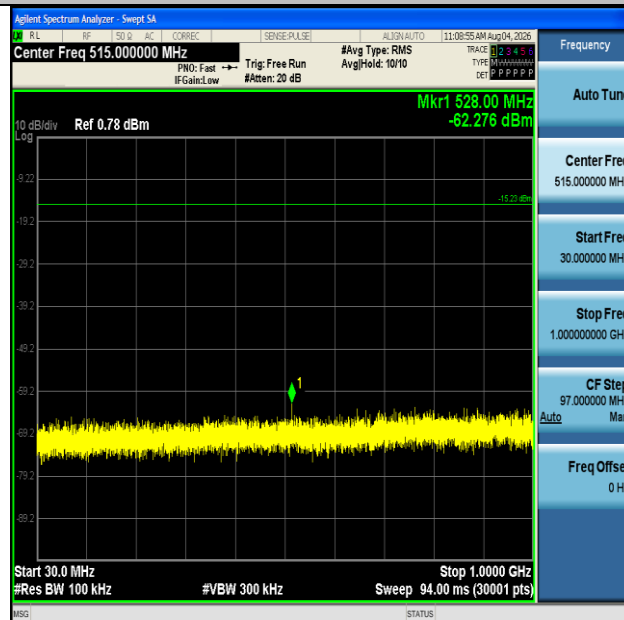


SRD-Ant1-2447-1000~26500-PASS



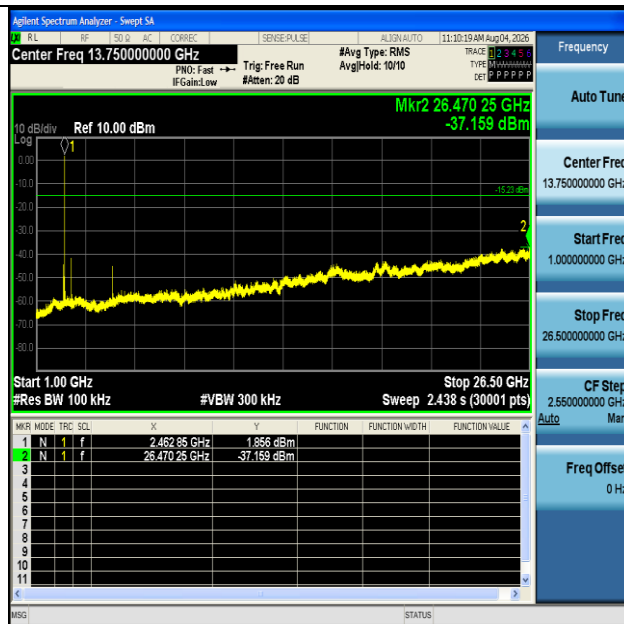


SRD-Ant1-2463-0~Reference-PASS



SRD-Ant1-2463-30~1000-PASS





SRD-Ant1-2463-1000~26500-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	2432	0.72	12.08	5.96	12.25
SRD	Ant1	2447	0.72	12.12	5.94	12.26
SRD	Ant1	2463	0.72	12.12	5.94	12.26

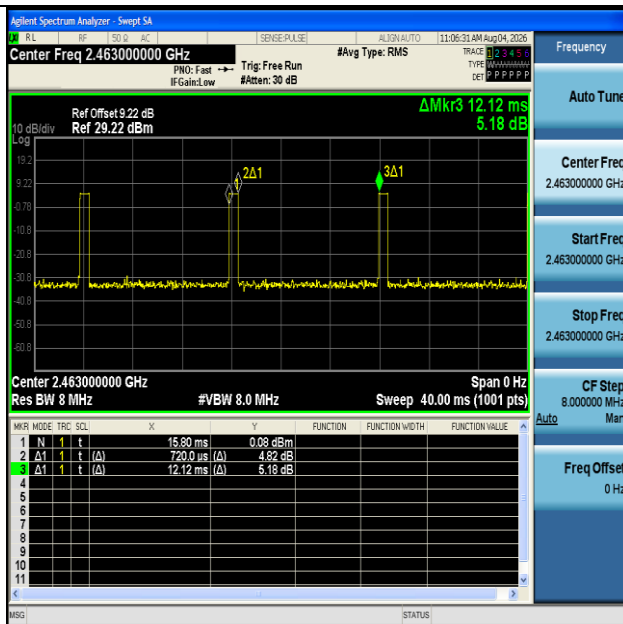
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs





NTNV-SRD-Ant1-2463

