



Appendix Test Data for SRD (Conducted Measurement)

Product Name: R/C CAR

Trade Mark: /

Test Model: BRC1161

FCC ID: 2BQGH-BRC1611

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	2409.740	2410.364	0.5	PASS
SRD	Ant1	2440	0.556	2439.800	2440.356	0.5	PASS
SRD	Ant1	2470	0.656	2469.704	2470.360	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	2410	1.0908	2409.5194	2410.6102	---	---
SRD	Ant1	2440	1.1601	2439.4628	2440.6229	---	---
SRD	Ant1	2470	1.1345	2469.4879	2470.6224	---	---

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





Test Graphs







Appendix C: Maximum peak conducted output power

Test Result Peak

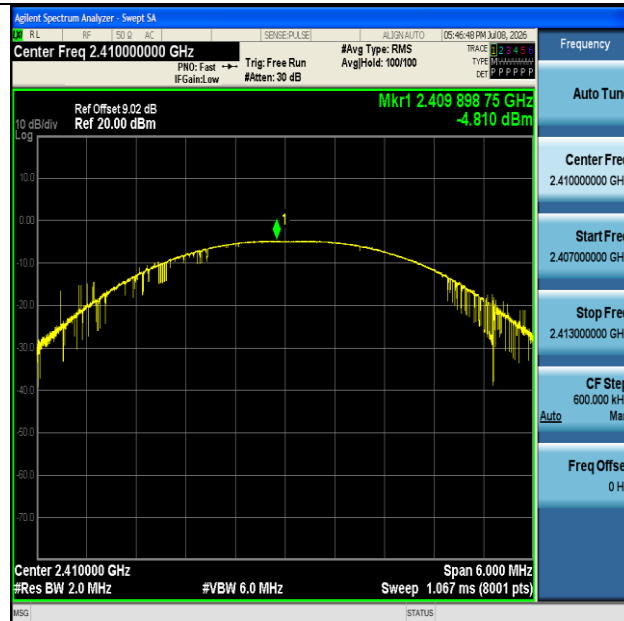
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2410	-4.81	≤30	PASS
SRD	Ant1	2440	-4.83	≤30	PASS
SRD	Ant1	2470	-5.69	≤30	PASS

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





Test Graphs Peak

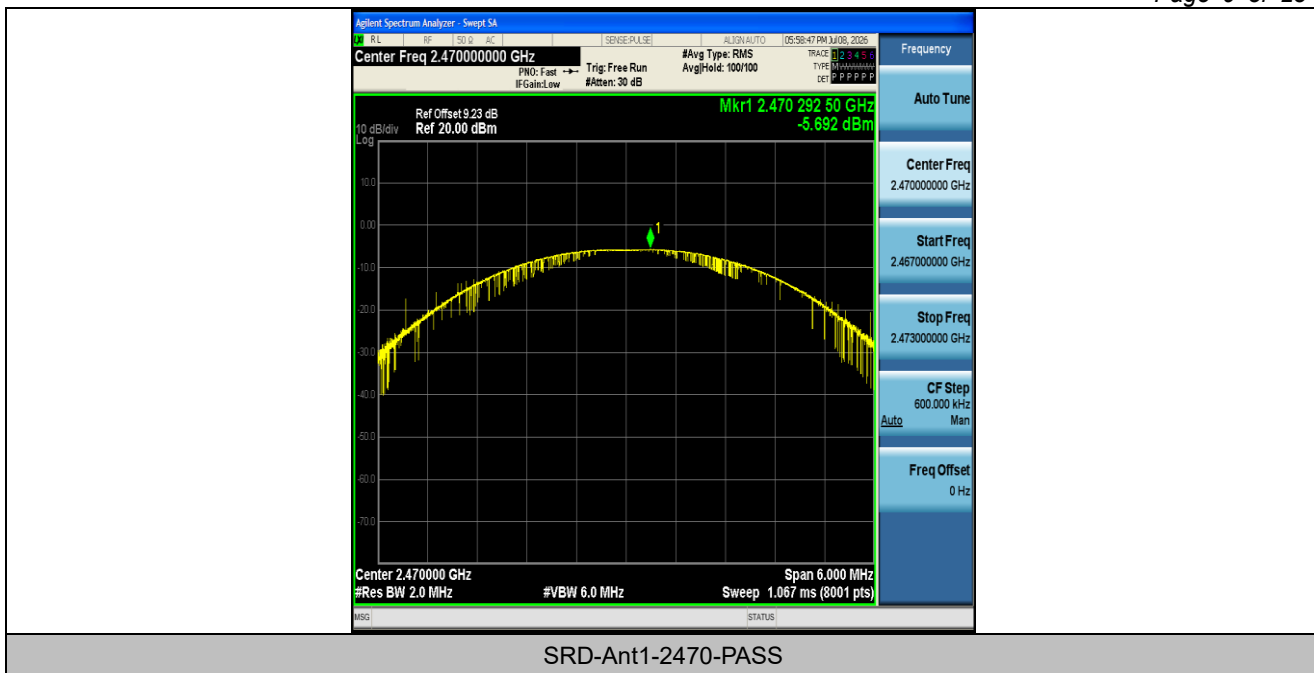


SRD-Ant1-2410-PASS



SRD-Ant1-2440-PASS







Appendix D: Maximum peak power spectral density

Test Result

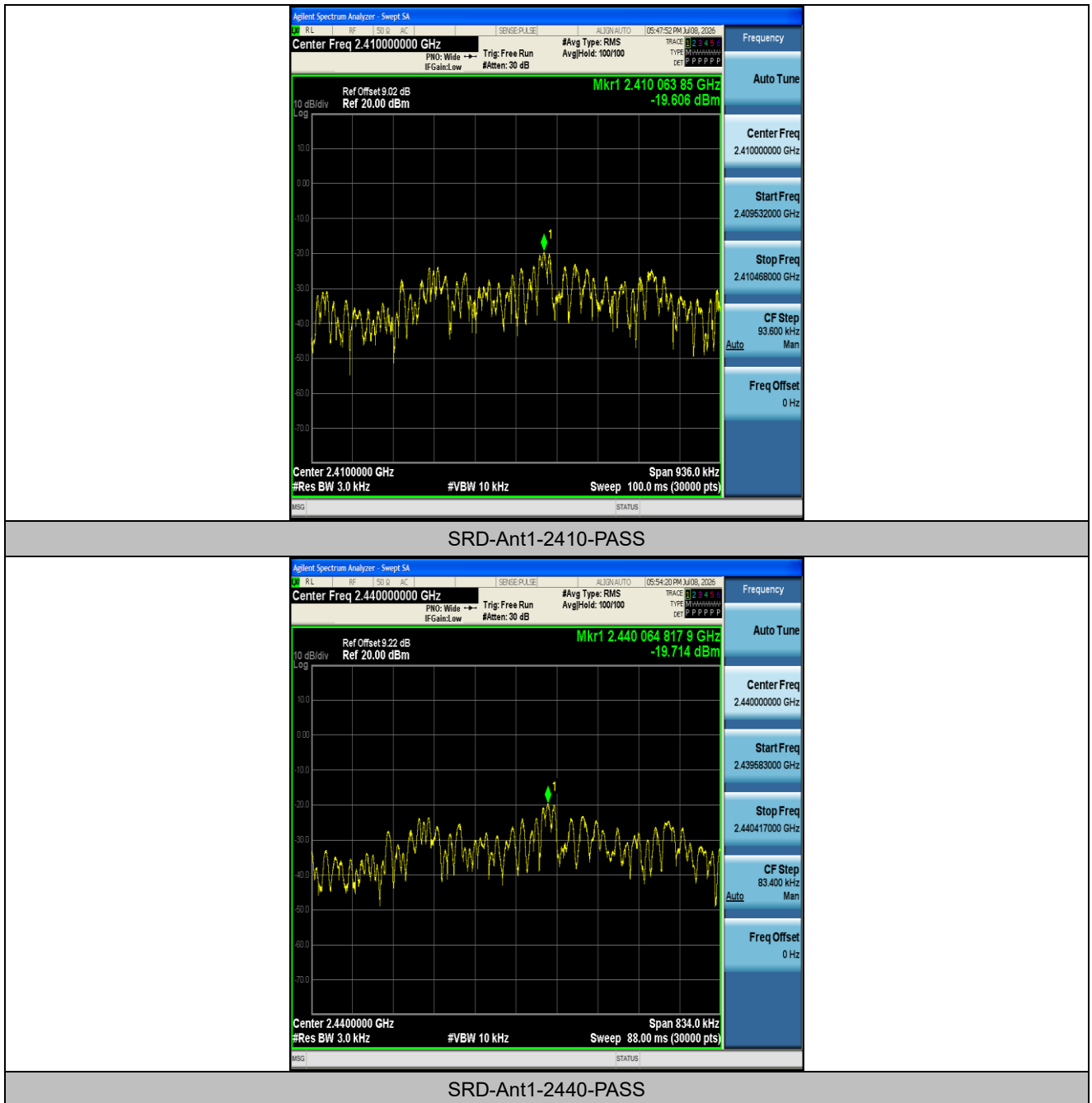
Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2410	-19.61	≤8.00	PASS
SRD	Ant1	2440	-19.71	≤8.00	PASS
SRD	Ant1	2470	-20.84	≤8.00	PASS

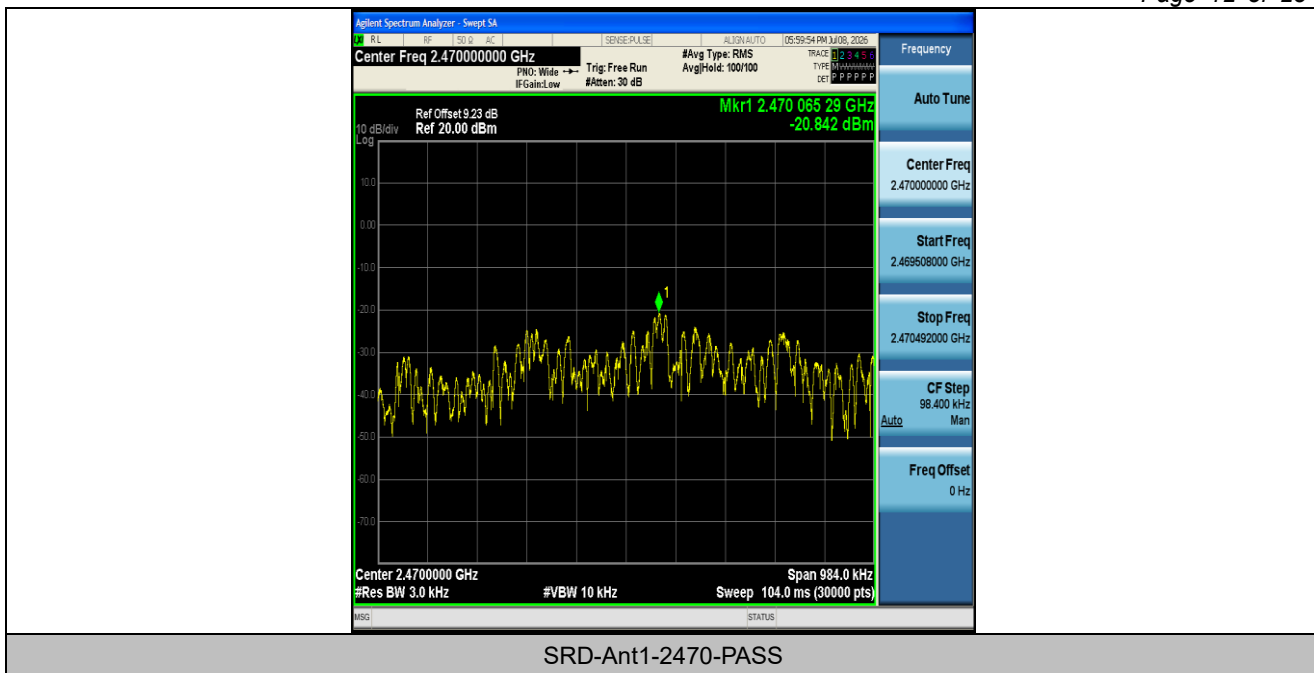
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs







Appendix E: Band edge measurements

Test Result

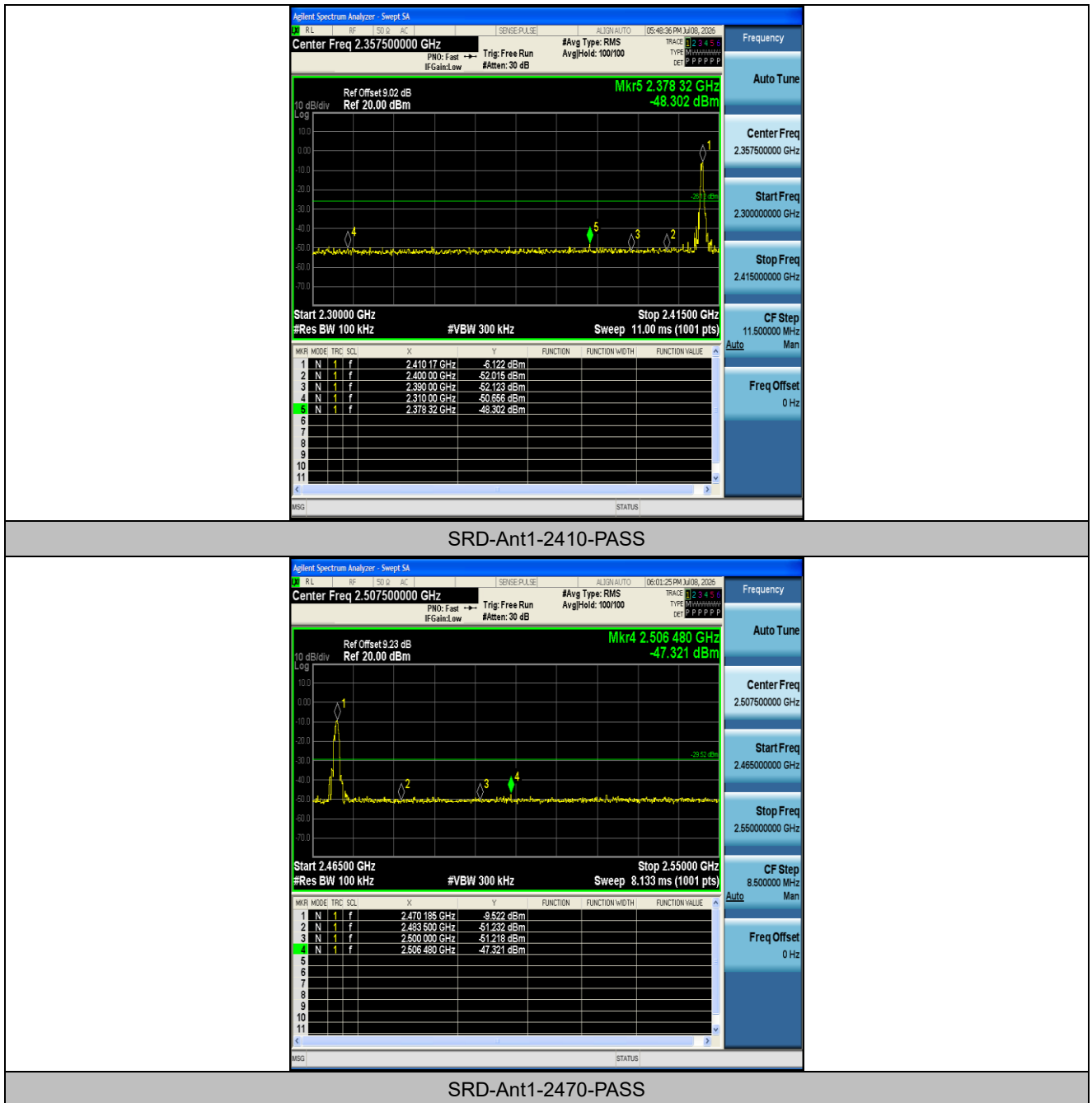
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2410	-6.12	-48.3	≤ -26.12	PASS
SRD	Ant1	High	2470	-9.52	-47.32	≤ -29.52	PASS

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





Test Graphs





Appendix F: Conducted Spurious Emission

Test Result

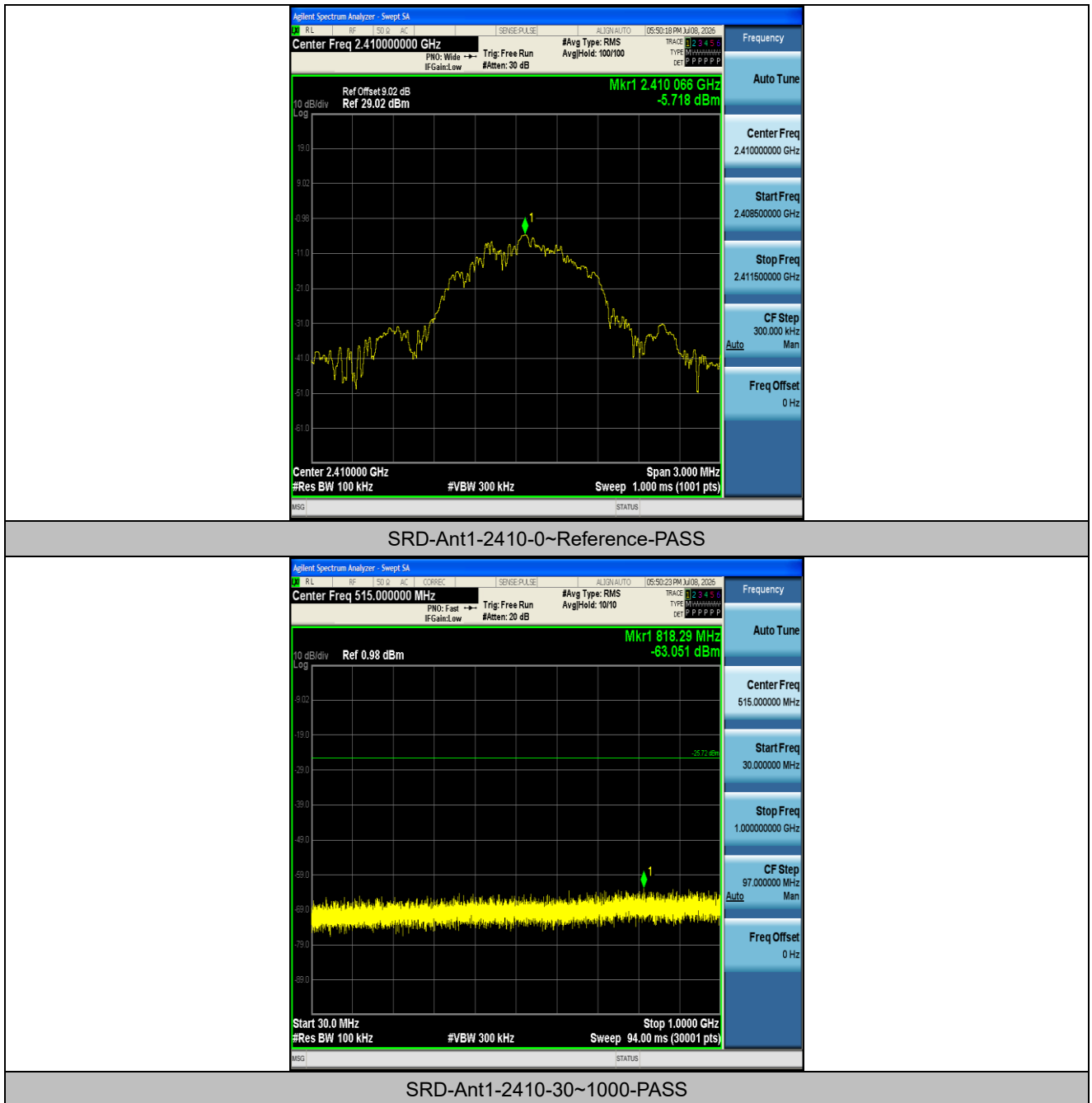
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2410	0~Reference	-5.72	-5.72	---	PASS
SRD	Ant1	2410	30~1000	-5.72	-63.05	≤ -25.72	PASS
SRD	Ant1	2410	1000~26500	-5.72	-37.22	≤ -25.72	PASS
SRD	Ant1	2440	0~Reference	-6.58	-6.58	---	PASS
SRD	Ant1	2440	30~1000	-6.58	-62.46	≤ -26.58	PASS
SRD	Ant1	2440	1000~26500	-6.58	-37.45	≤ -26.58	PASS
SRD	Ant1	2470	0~Reference	-6.72	-6.72	---	PASS
SRD	Ant1	2470	30~1000	-6.72	-61.76	≤ -26.72	PASS
SRD	Ant1	2470	1000~26500	-6.72	-37.32	≤ -26.72	PASS

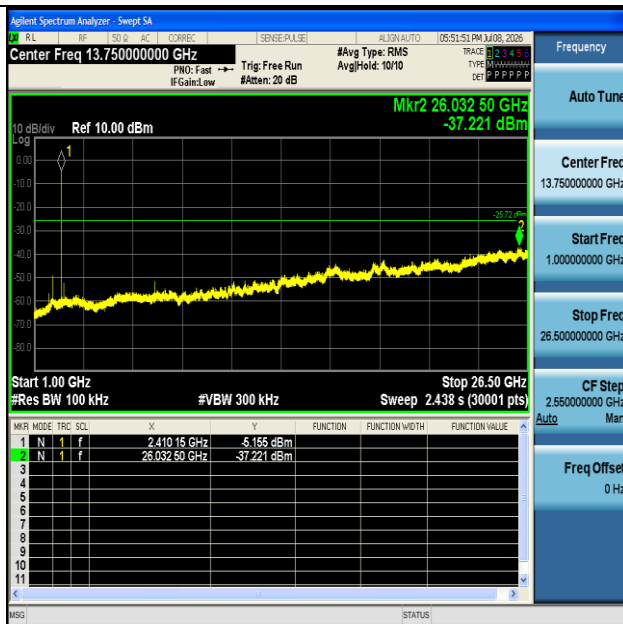
Note: offset(dB) in Reference test plots = cable loss(dB) + attenuator factor(dB); For spurious emissions plots from 30MHz to 26.5GHz, the cable loss and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.





Test Graphs



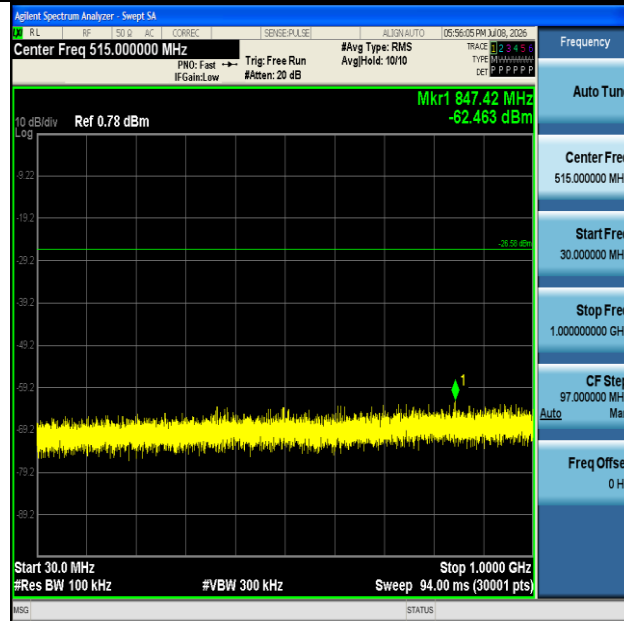


SRD-Ant1-2410-1000~26500-PASS

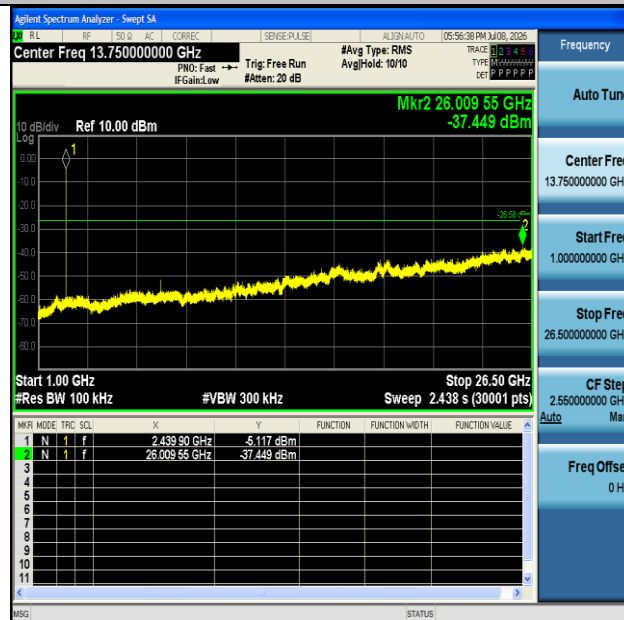


SRD-Ant1-2440-0~Reference-PASS





SRD-Ant1-2440-30~1000-PASS

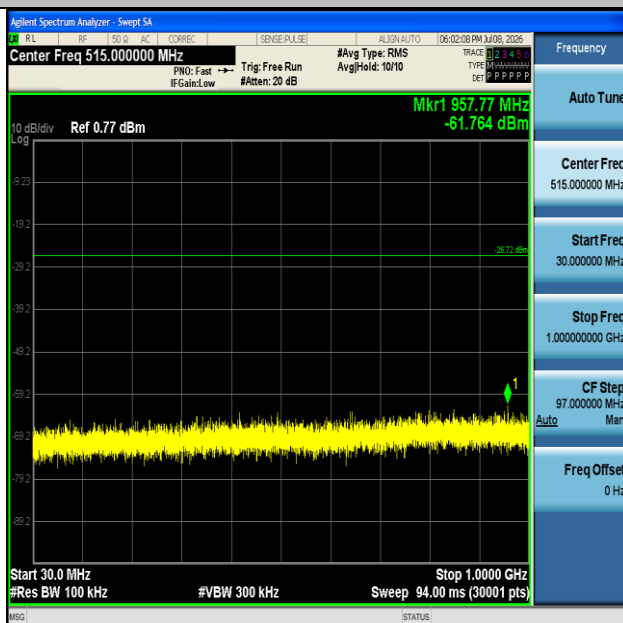


SRD-Ant1-2440-1000~26500-PASS



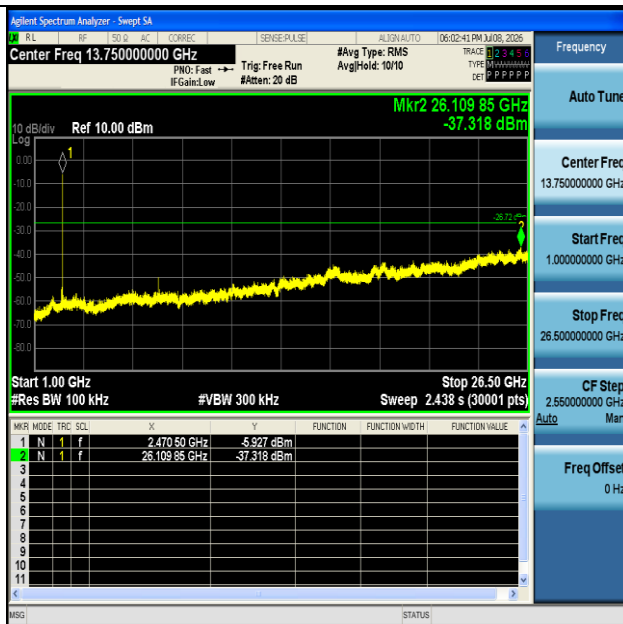


SRD-Ant1-2470-0~Reference-PASS



SRD-Ant1-2470-30~1000-PASS





SRD-Ant1-2470-1000~26500-PASS





Appendix G: Duty Cycle

Test Result

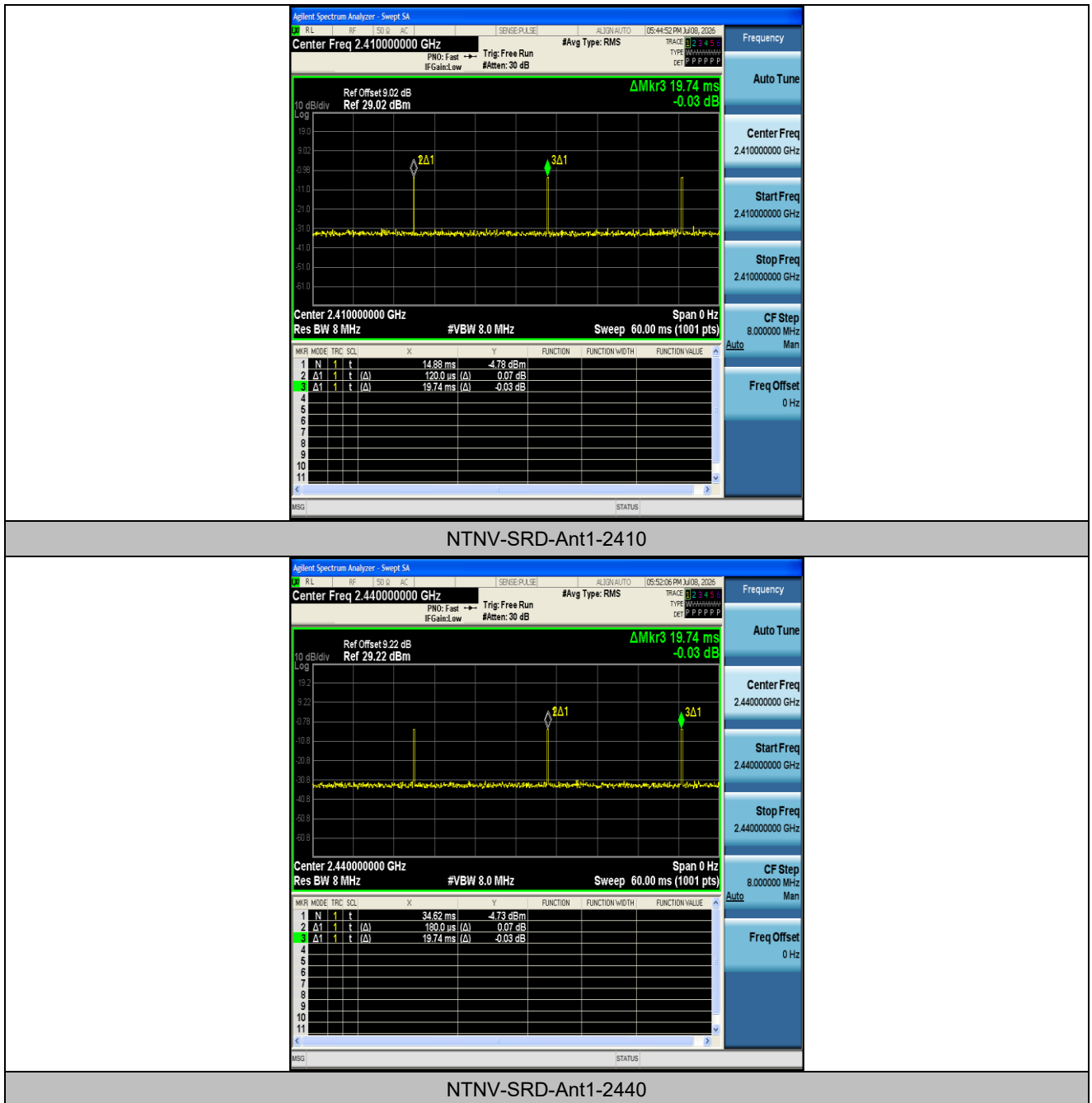
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
SRD	Ant1	2410	0.12	19.74	0.61	22.15
SRD	Ant1	2440	0.18	19.74	0.91	20.41
SRD	Ant1	2470	0.18	19.74	0.91	20.41

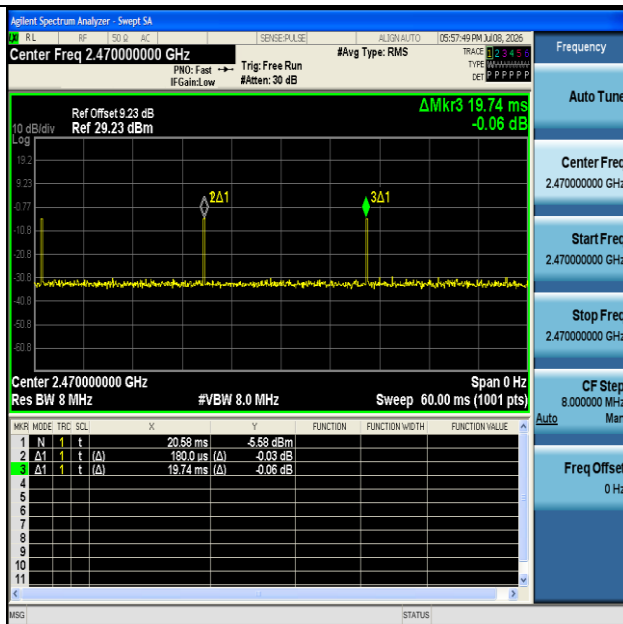
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs





NTNV-SRD-Ant1-2470

