



Appendix Test Data for SRD (Conducted Measurement)

Product Name: Remote control

Trade Mark: /

Test Model: Q9

FCC ID: 2BBLM-Q9

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	0.724	2419.656	2420.380	0.5	PASS
SRD	Ant1	2440	0.696	2439.652	2440.348	0.5	PASS
SRD	Ant1	2460	0.740	2459.644	2460.384	0.5	PASS

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





Test Graphs





SRD-Ant1-2460-PASS





Appendix B: Occupied Channel Bandwidth

Test Result

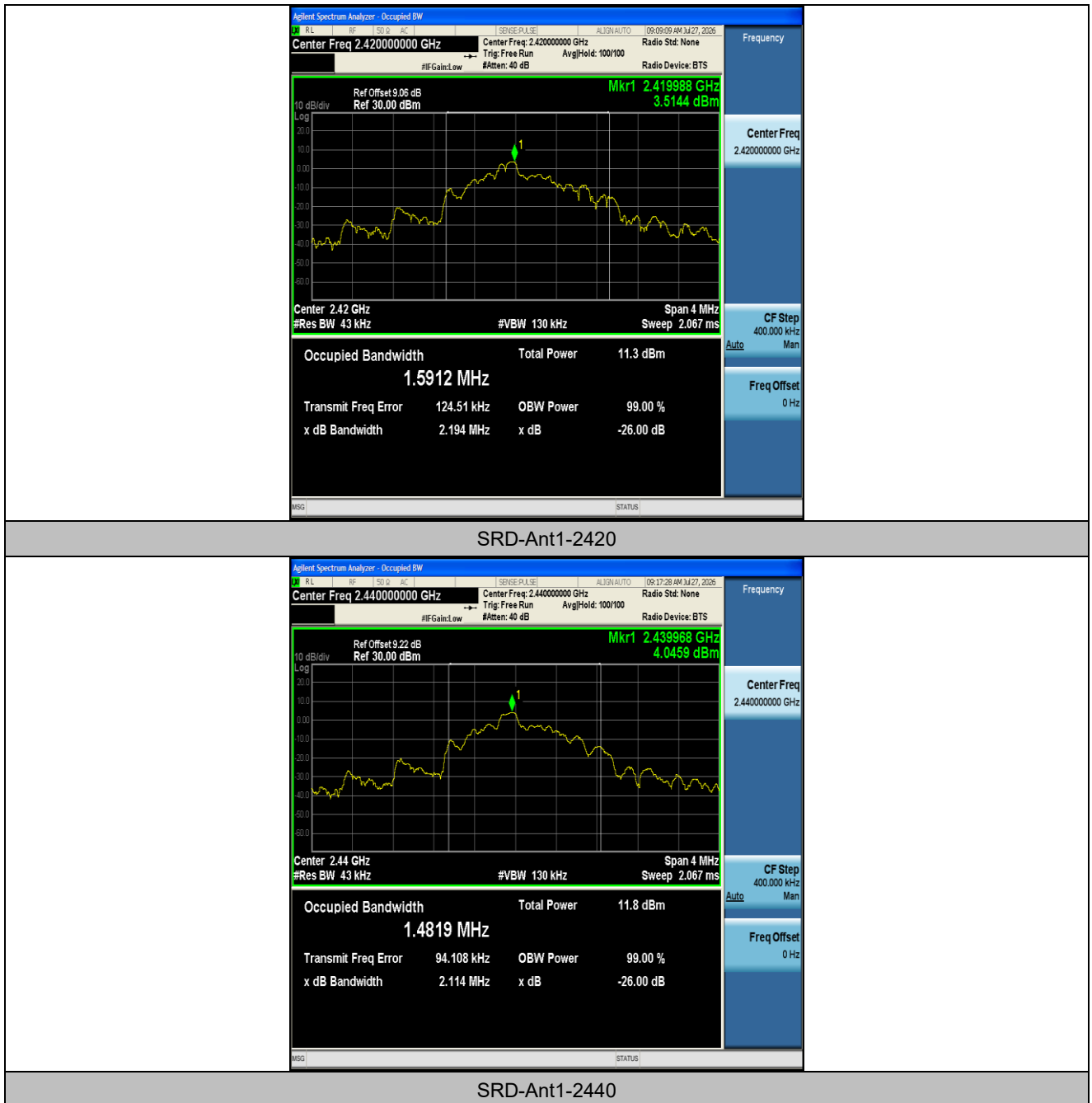
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2420	1.1605	2419.5443	2420.7048	---	---
SRD	Ant1	2440	1.4819	2439.3532	2440.8351	---	---
SRD	Ant1	2460	1.4519	2459.3638	2460.8157	---	---

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





Test Graphs







Appendix C: Maximum peak conducted output power

Test Result Peak

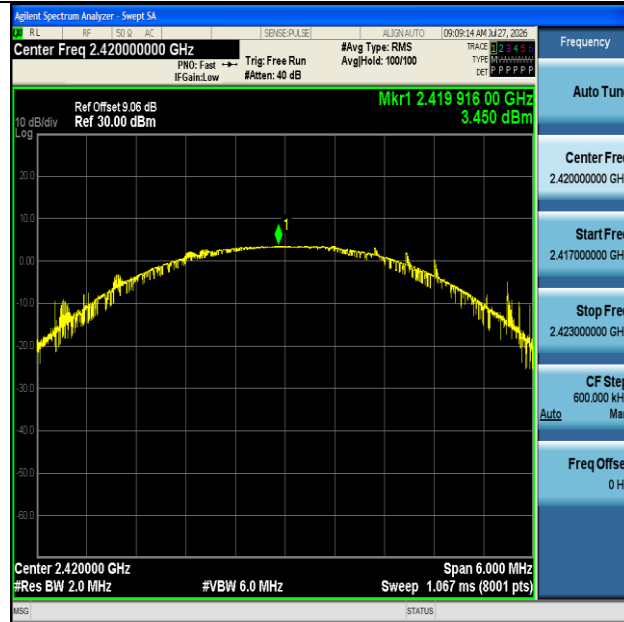
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2420	3.45	≤30	PASS
SRD	Ant1	2440	3.84	≤30	PASS
SRD	Ant1	2460	3.05	≤30	PASS

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

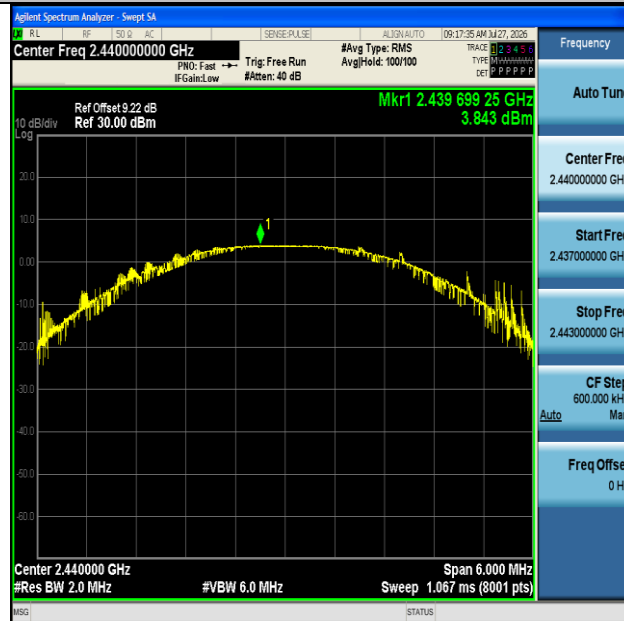




Test Graphs Peak

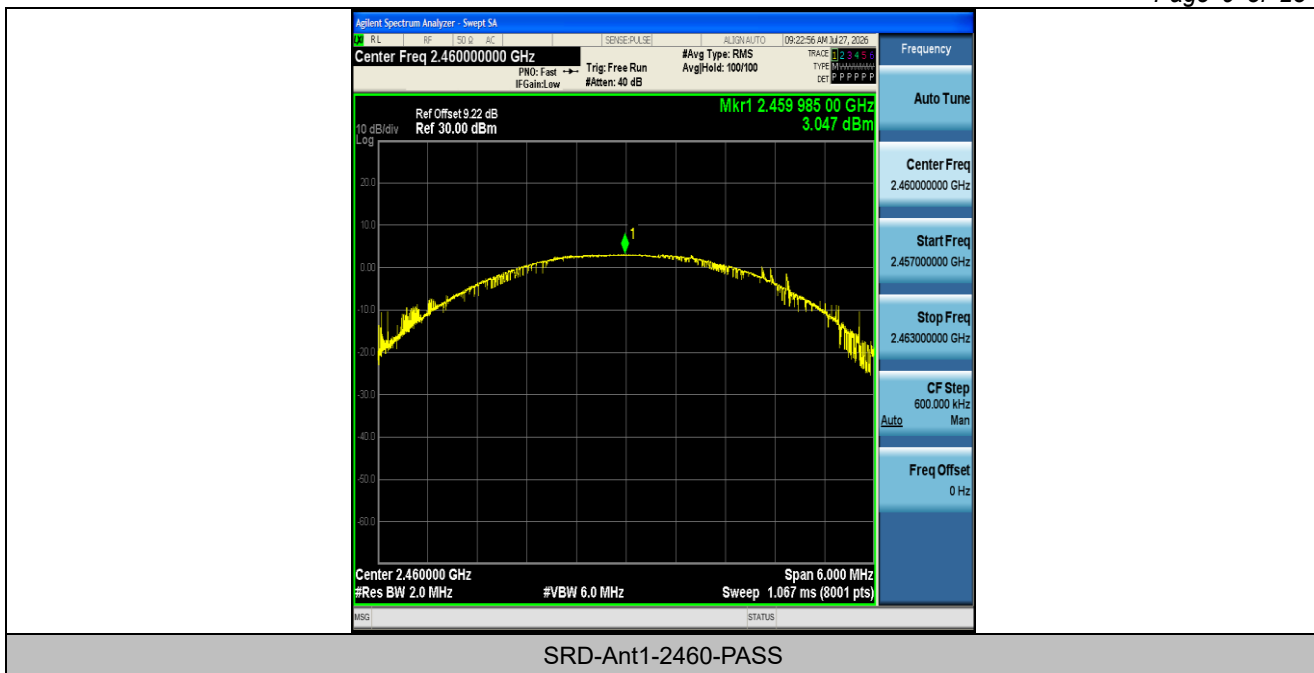


SRD-Ant1-2420-PASS



SRD-Ant1-2440-PASS







Appendix D: Maximum peak power spectral density

Test Result

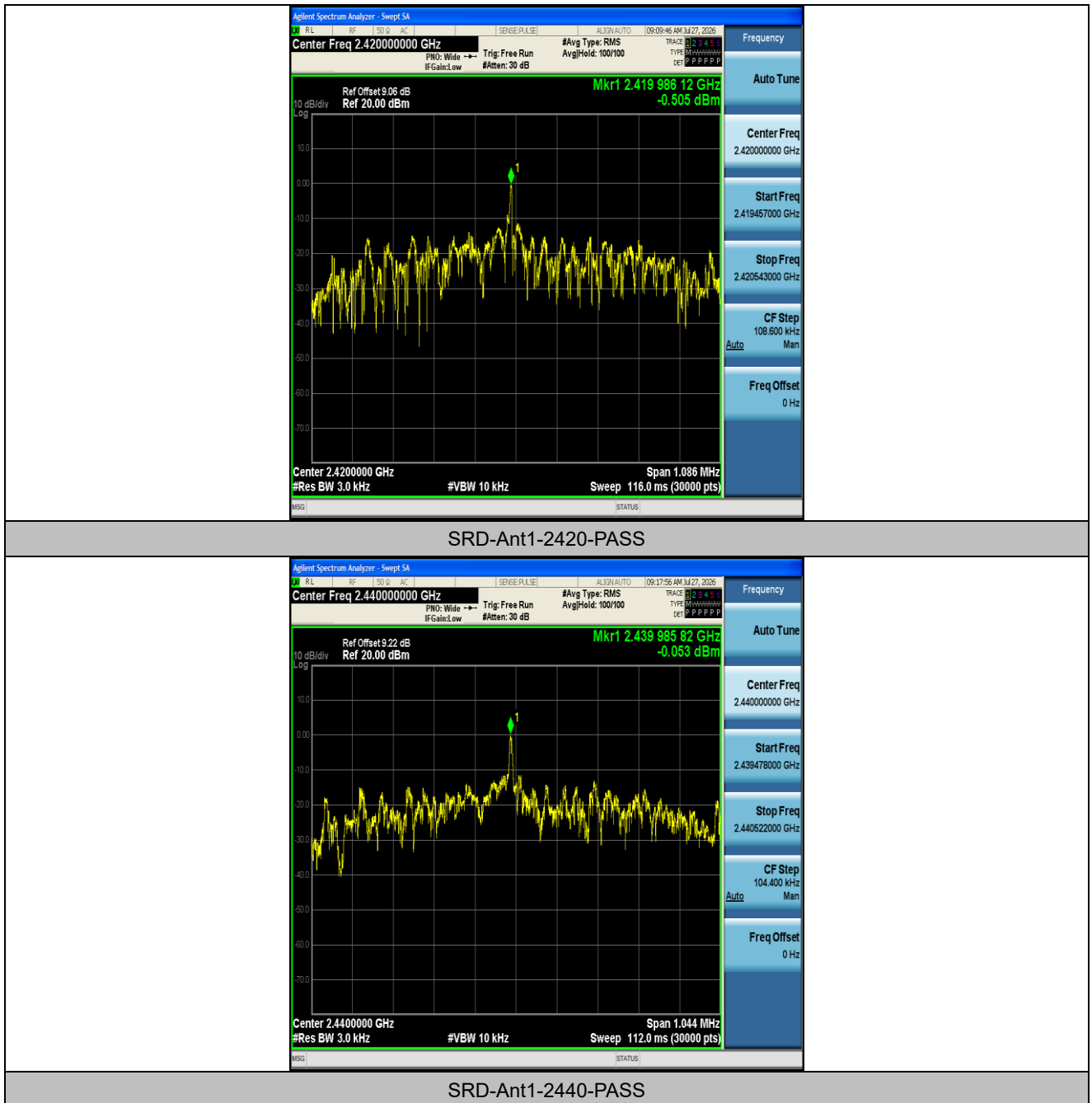
Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2420	-0.51	≤8.00	PASS
SRD	Ant1	2440	-0.05	≤8.00	PASS
SRD	Ant1	2460	-0.44	≤8.00	PASS

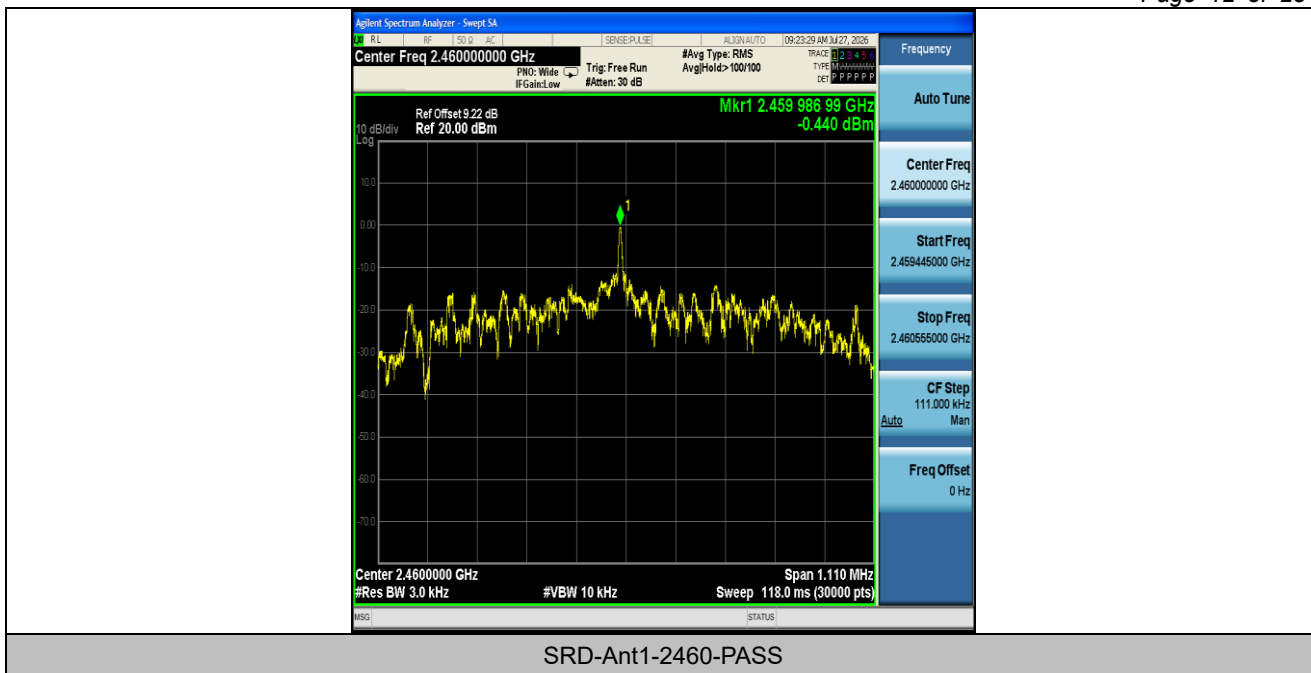
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs







Appendix E: Band edge measurements

Test Result

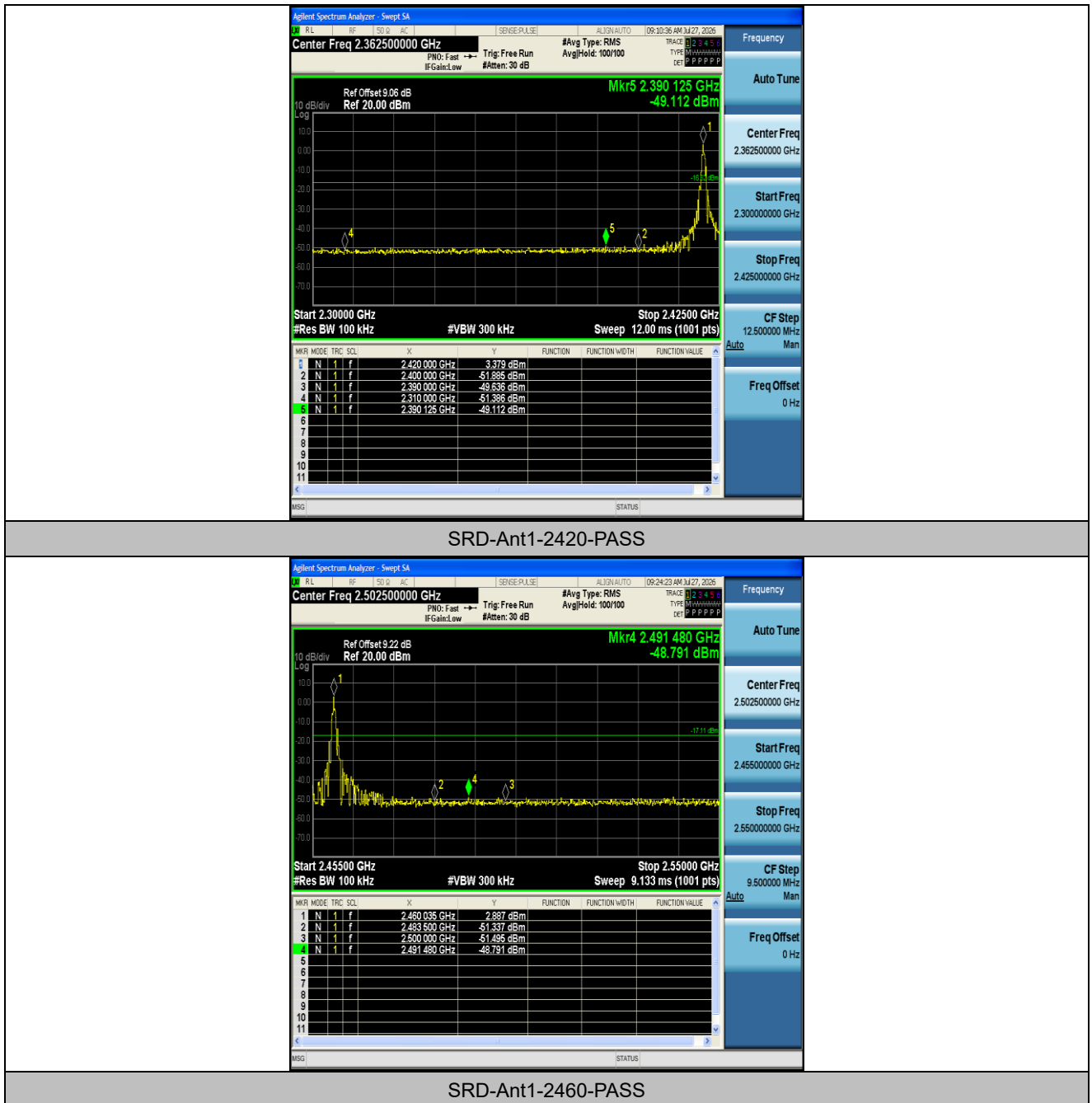
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2420	3.38	-49.11	≤ -16.62	PASS
SRD	Ant1	High	2460	2.89	-48.79	≤ -17.11	PASS

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	2420	0~Reference	3.28	3.28	---	PASS
SRD	Ant1	2420	30~1000	3.28	-62.82	≤-16.72	PASS
SRD	Ant1	2420	1000~26500	3.28	-36.63	≤-16.72	PASS
SRD	Ant1	2440	0~Reference	3.70	3.70	---	PASS
SRD	Ant1	2440	30~1000	3.70	-63.21	≤-16.3	PASS
SRD	Ant1	2440	1000~26500	3.70	-37.33	≤-16.3	PASS
SRD	Ant1	2460	0~Reference	2.93	2.93	---	PASS
SRD	Ant1	2460	30~1000	2.93	-62.97	≤-17.07	PASS
SRD	Ant1	2460	1000~26500	2.93	-37.36	≤-17.07	PASS

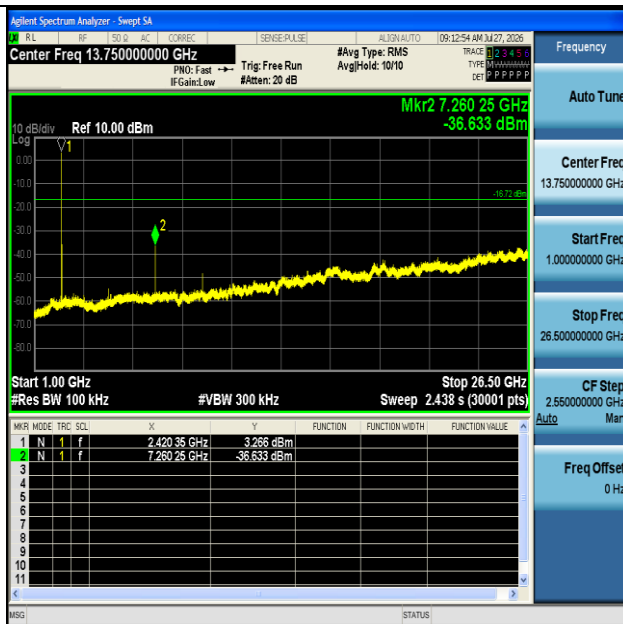
Note: offset(dB) in Reference test plots = cable loss(dB) + attenuator factor(dB); For spurious emissions plots from 30MHz to 26.5GHz, the cable loss and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.





Test Graphs



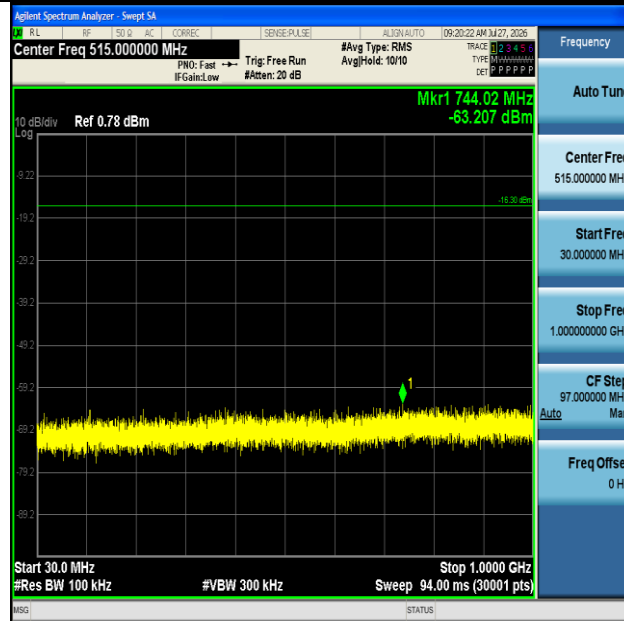


SRD-Ant1-2420-1000~26500-PASS

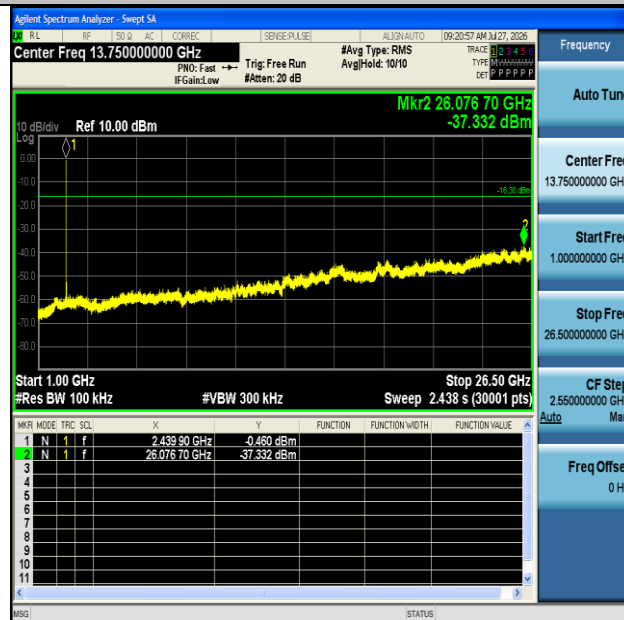


SRD-Ant1-2440-0~Reference-PASS





SRD-Ant1-2440-30~1000-PASS

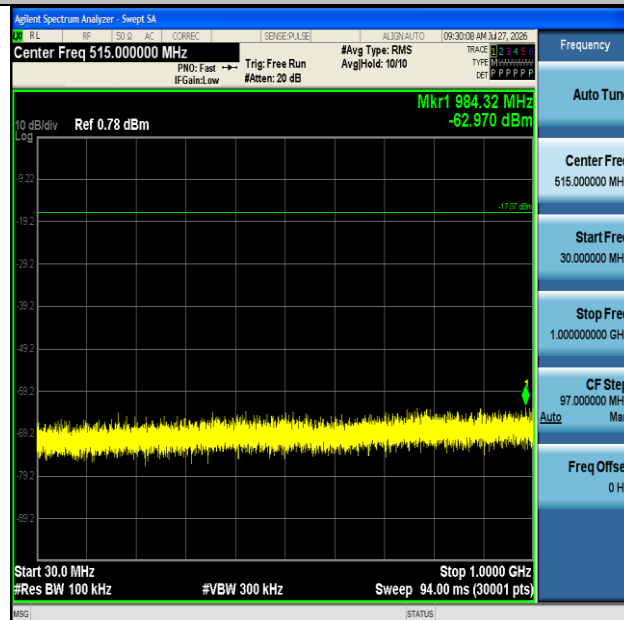


SRD-Ant1-2440-1000~26500-PASS



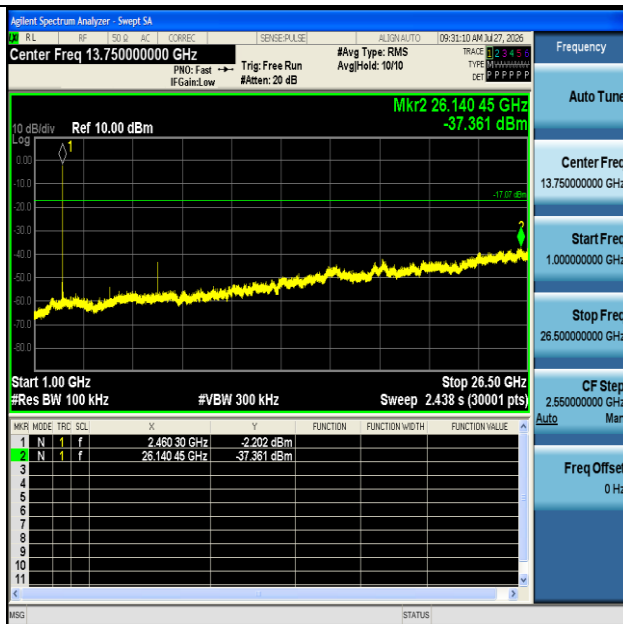


SRD-Ant1-2460-0~Reference-PASS



SRD-Ant1-2460-30~1000-PASS





SRD-Ant1-2460-1000~26500-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	0.43	6.12	7.03	11.53
SRD	Ant1	2440	0.42	6.12	6.86	11.64
SRD	Ant1	2460	0.42	6.12	6.86	11.64

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





Test Graphs

