



Appendix Test Data for SRD (Conducted Measurement)

Product Name: Alloy Engineering Remote Control Series

Trade Mark: /

Test Model: T14R

FCC ID: 2BKZ5-T14R

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	0.848	2419.616	2420.464	0.5	PASS
SRD	Ant1	2440	0.820	2439.624	2440.444	0.5	PASS
SRD	Ant1	2460	0.732	2459.648	2460.380	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	1.0819	2419.4908	2420.5727	---	---
SRD	Ant1	2440	1.0728	2439.5282	2440.6010	---	---
SRD	Ant1	2460	1.0438	2459.5083	2460.5521	---	---

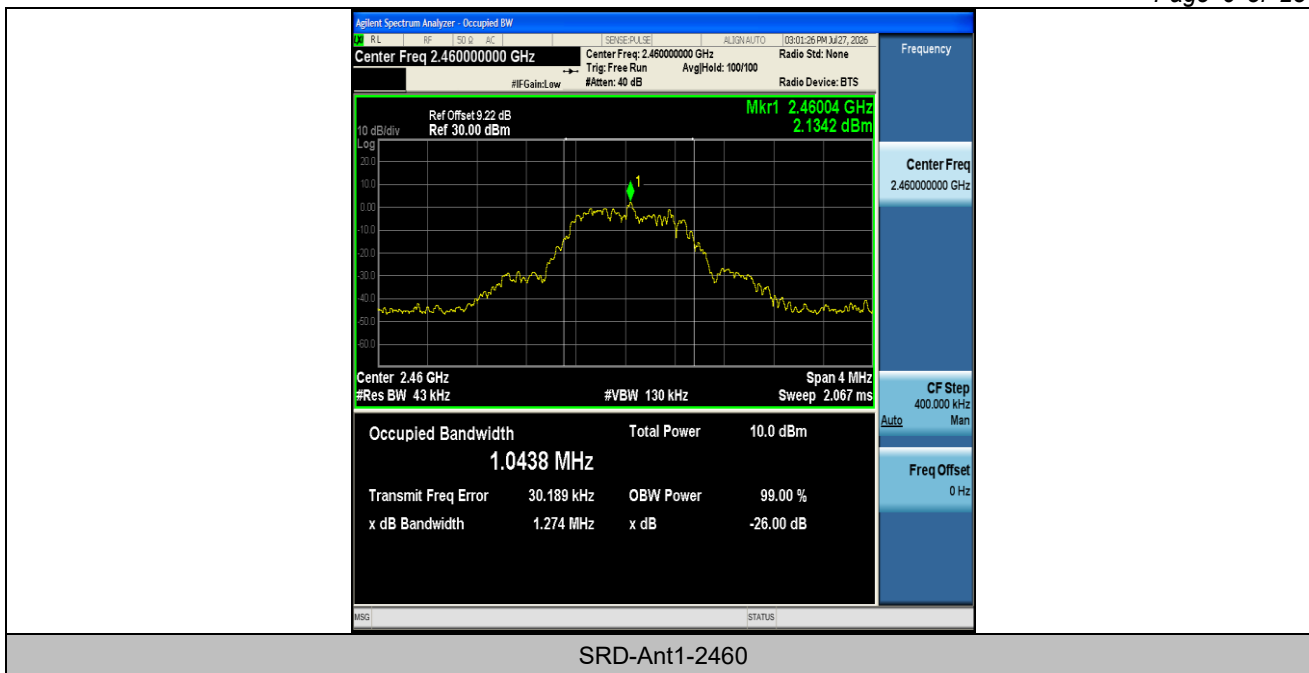
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs







Appendix C: Maximum peak conducted output power

Test Result Peak

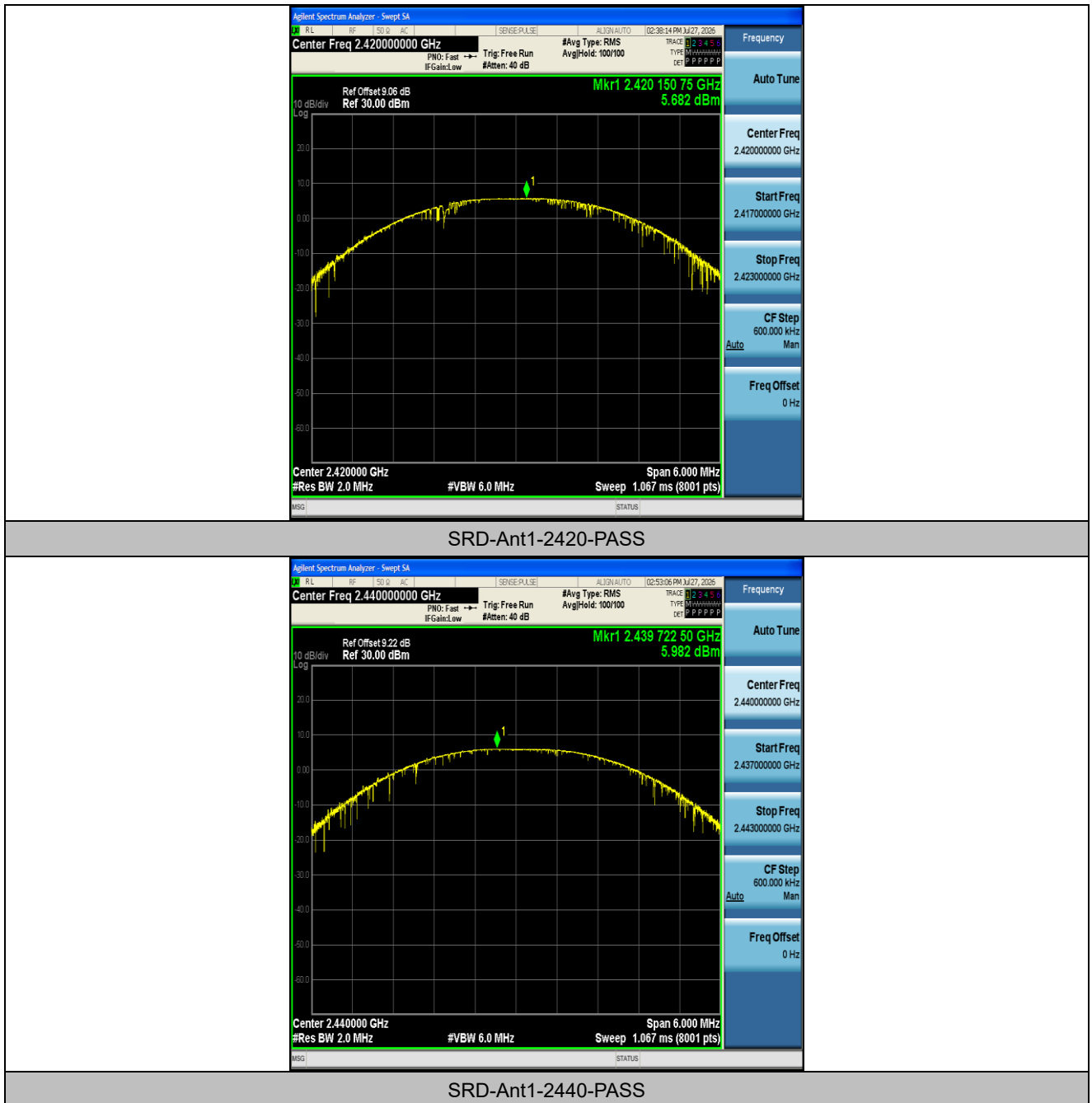
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2420	5.68	≤30	PASS
SRD	Ant1	2440	5.98	≤30	PASS
SRD	Ant1	2460	5.51	≤30	PASS

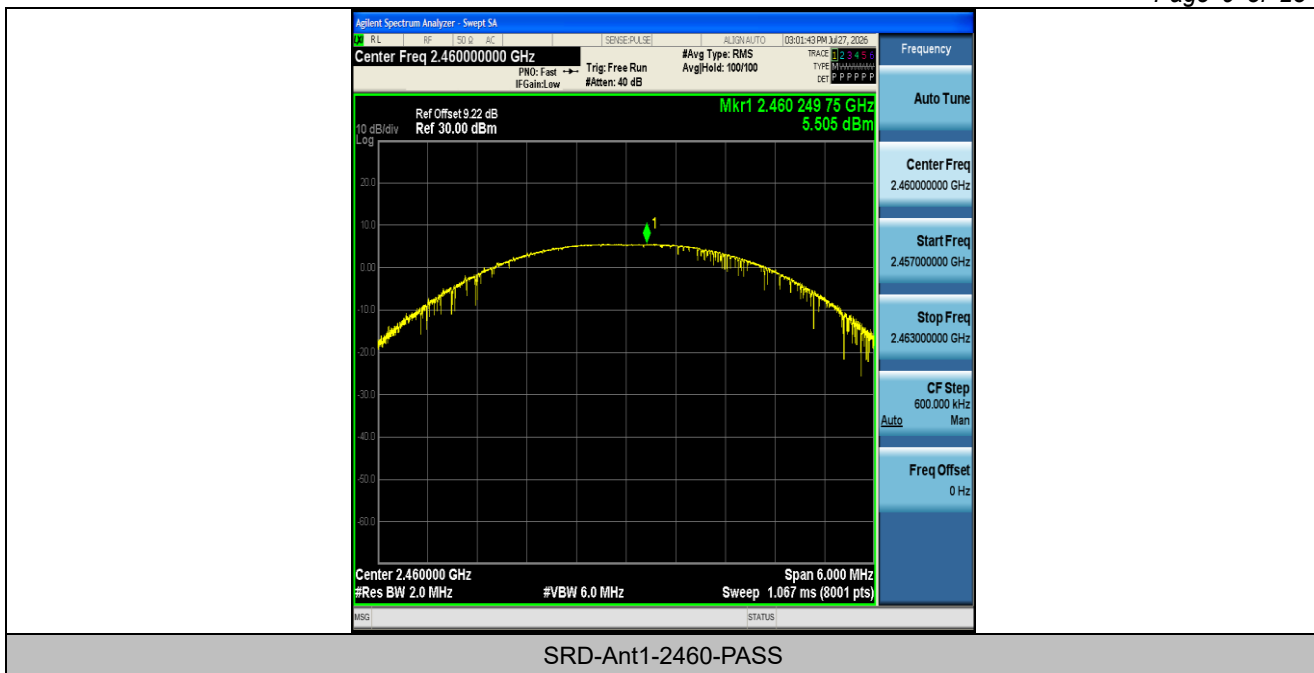
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs Peak







Appendix D: Maximum peak power spectral density

Test Result

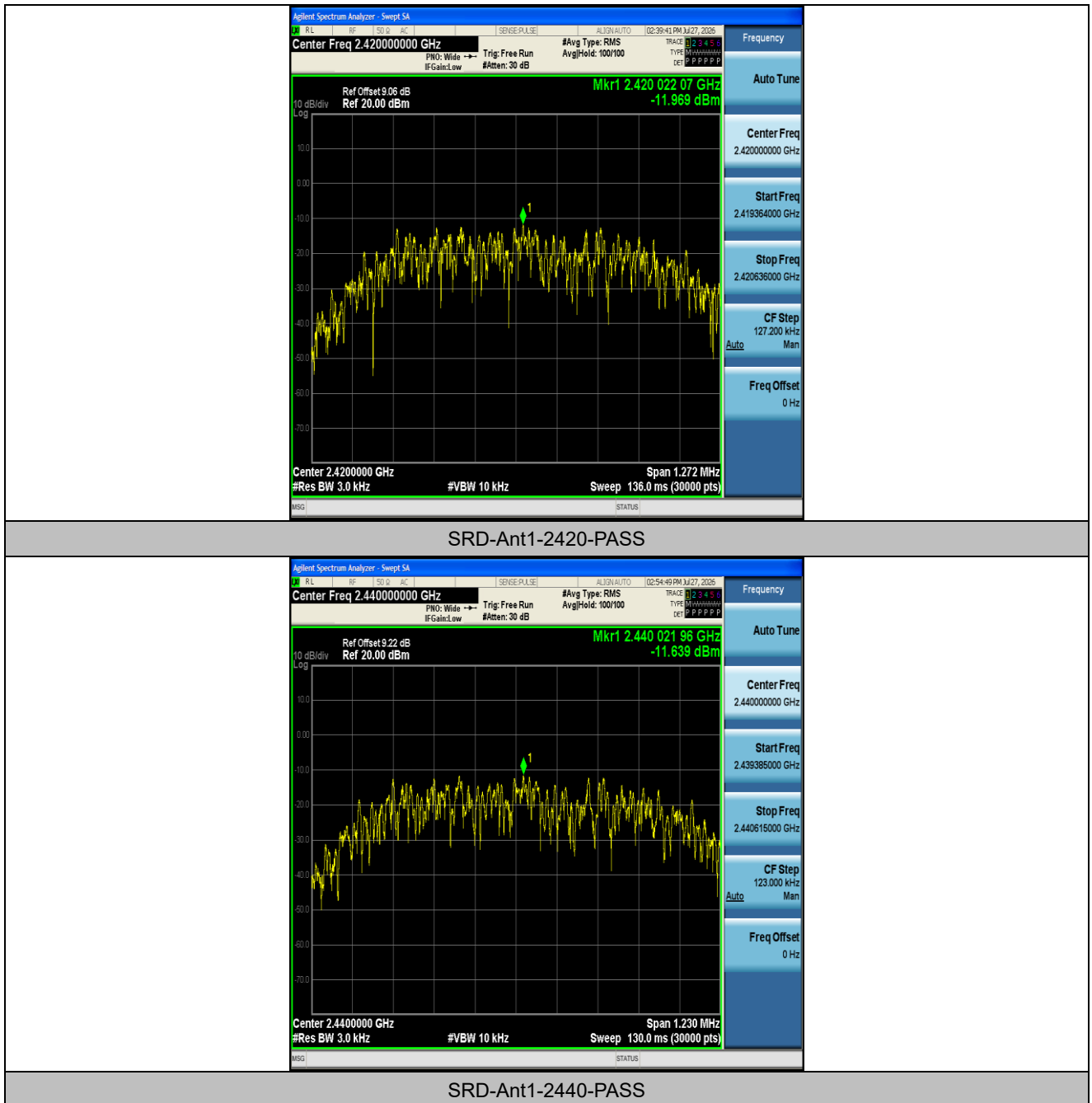
Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2420	-11.97	≤8.00	PASS
SRD	Ant1	2440	-11.64	≤8.00	PASS
SRD	Ant1	2460	-11.47	≤8.00	PASS

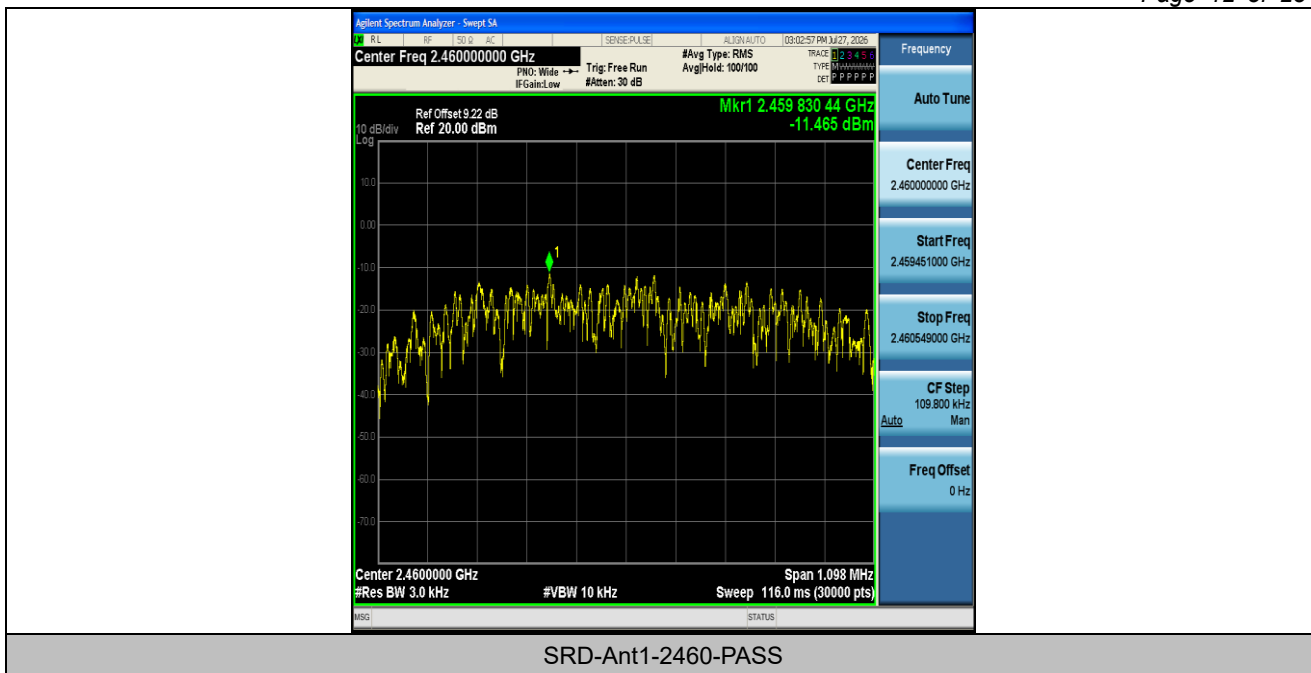
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs







Appendix E: Band edge measurements

Test Result

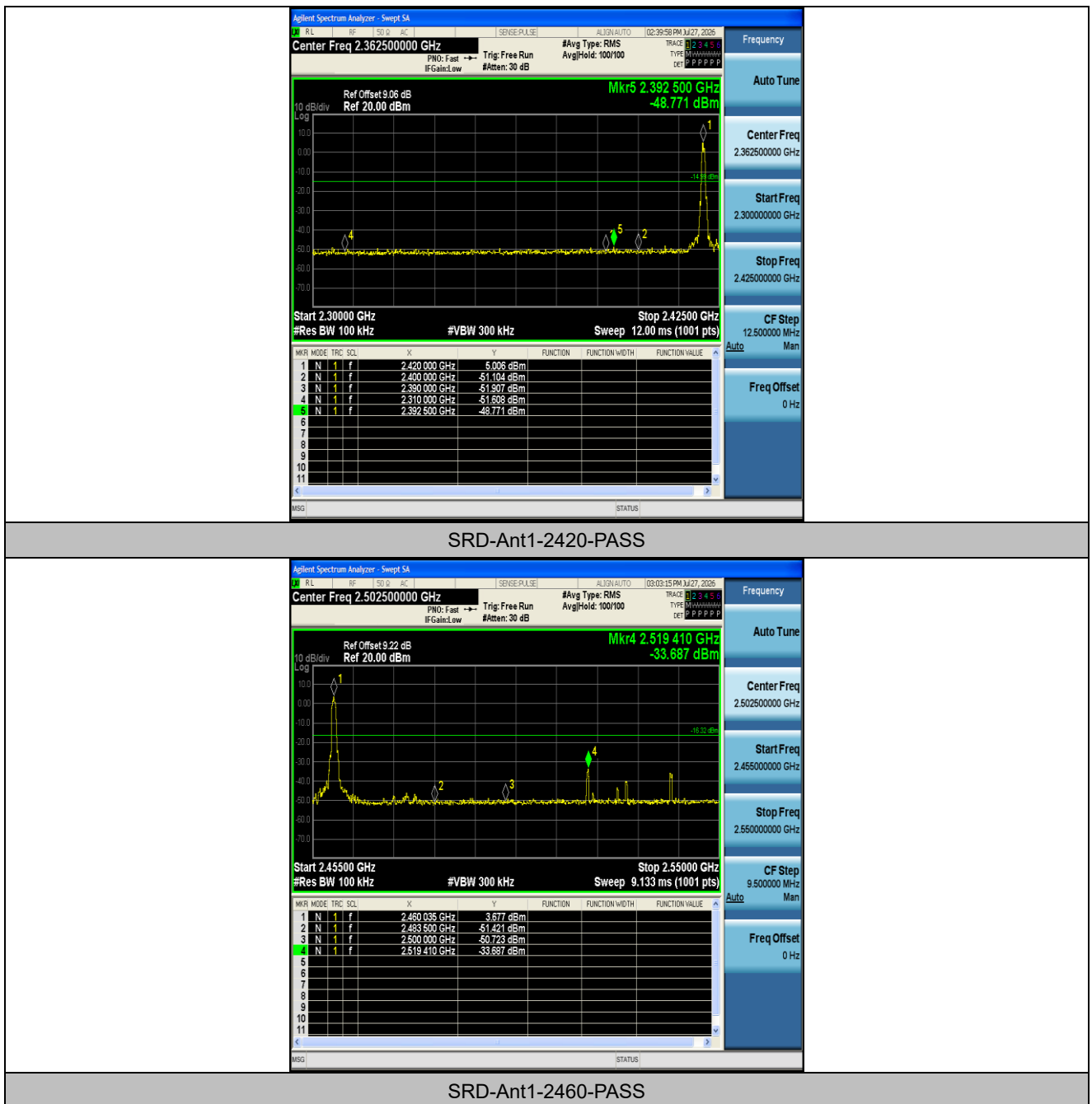
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2420	5.01	-48.77	≤ -14.99	PASS
SRD	Ant1	High	2460	3.68	-33.69	≤ -16.32	PASS

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





Test Graphs





Appendix F: Conducted Spurious Emission

Test Result

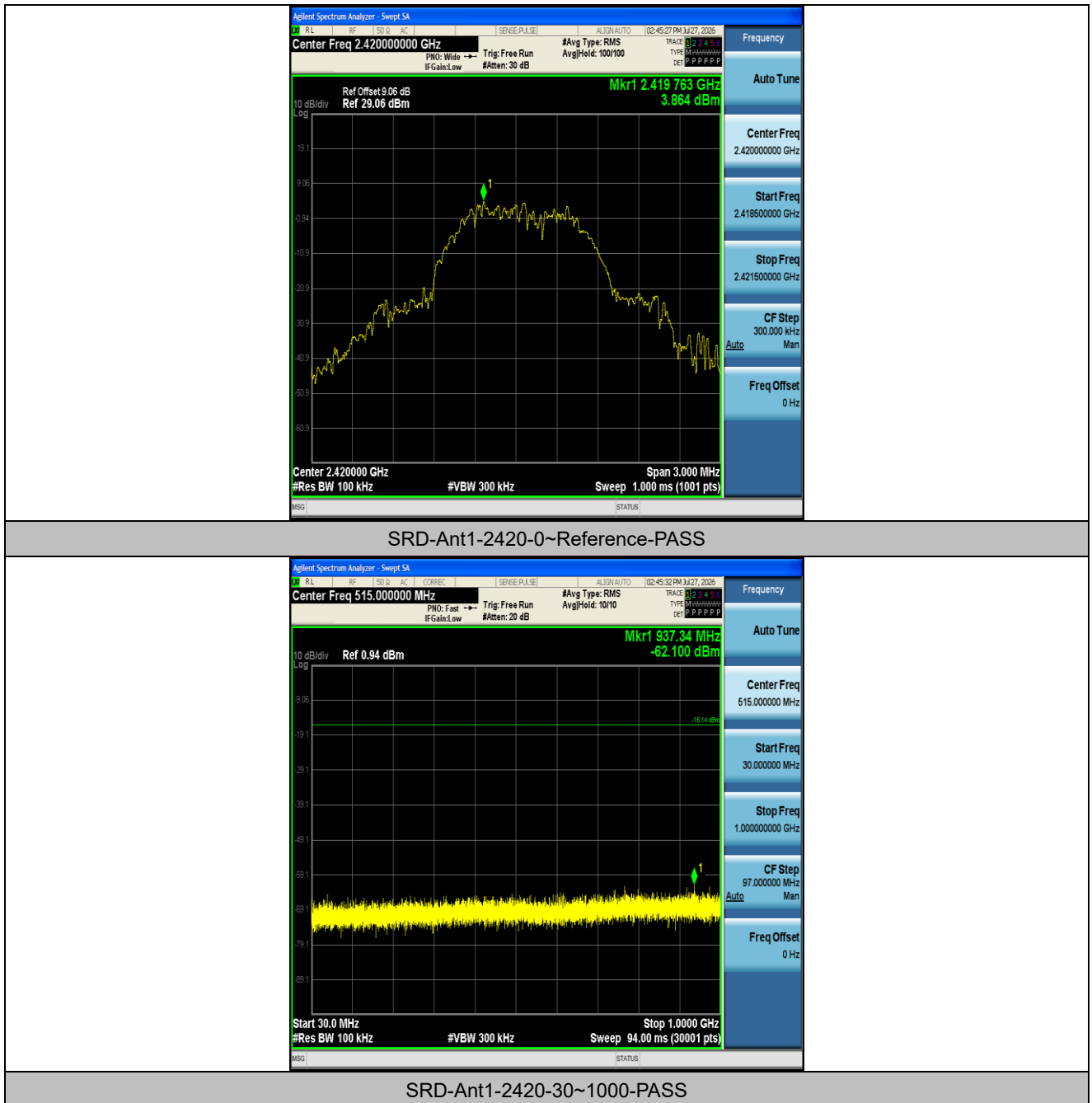
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2420	0~Reference	3.86	3.86	---	PASS
SRD	Ant1	2420	30~1000	3.86	-62.1	≤-16.14	PASS
SRD	Ant1	2420	1000~26500	3.86	-36.57	≤-16.14	PASS
SRD	Ant1	2440	0~Reference	4.74	4.74	---	PASS
SRD	Ant1	2440	30~1000	4.74	-62.84	≤-15.26	PASS
SRD	Ant1	2440	1000~26500	4.74	-36.88	≤-15.26	PASS
SRD	Ant1	2460	0~Reference	4.41	4.41	---	PASS
SRD	Ant1	2460	30~1000	4.41	-62.51	≤-15.59	PASS
SRD	Ant1	2460	1000~26500	4.41	-37.41	≤-15.59	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



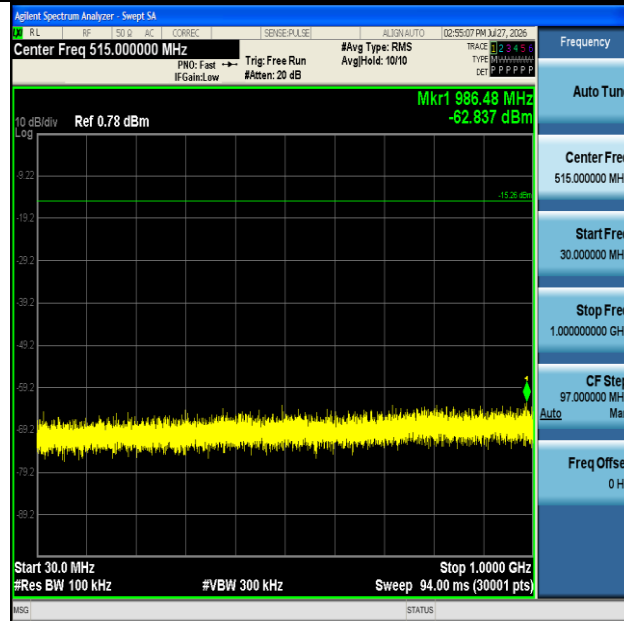


SRD-Ant1-2420-1000~26500-PASS



SRD-Ant1-2440-0~Reference-PASS





SRD-Ant1-2440-30~1000-PASS

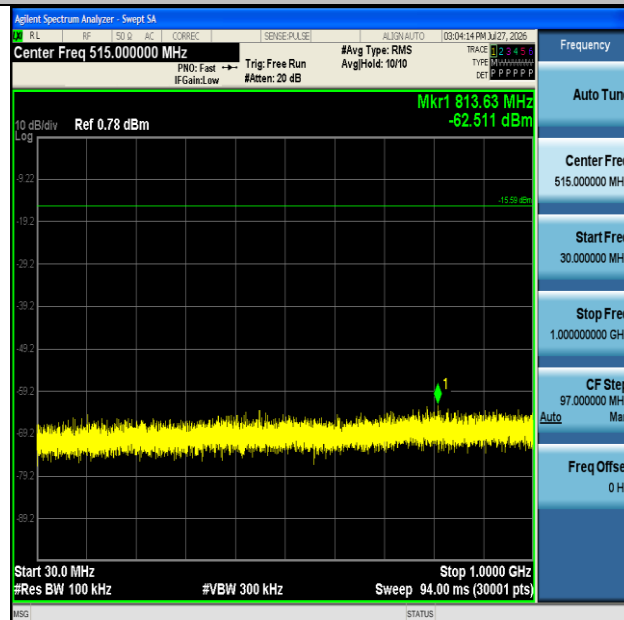


SRD-Ant1-2440-1000~26500-PASS



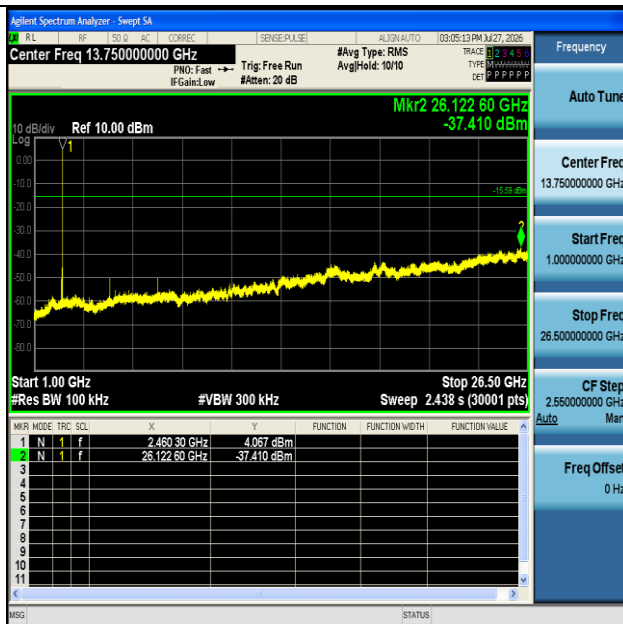


SRD-Ant1-2460-0~Reference-PASS



SRD-Ant1-2460-30~1000-PASS





SRD-Ant1-2460-1000~26500-PASS





Appendix G: Duty Cycle

Test Result

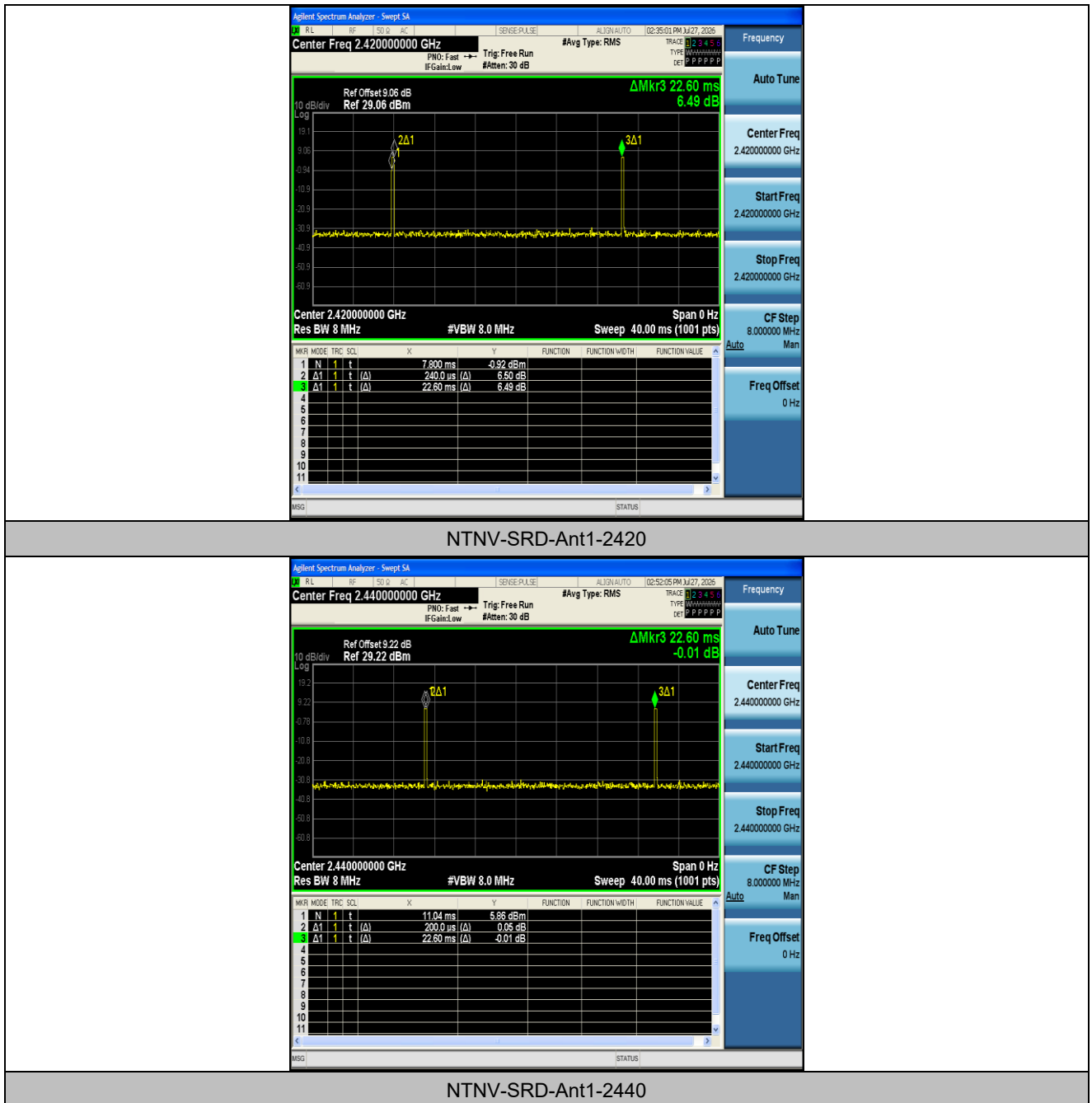
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
SRD	Ant1	2420	0.24	22.60	1.06	19.75
SRD	Ant1	2440	0.20	22.60	0.88	20.56
SRD	Ant1	2460	0.24	22.60	1.06	19.75

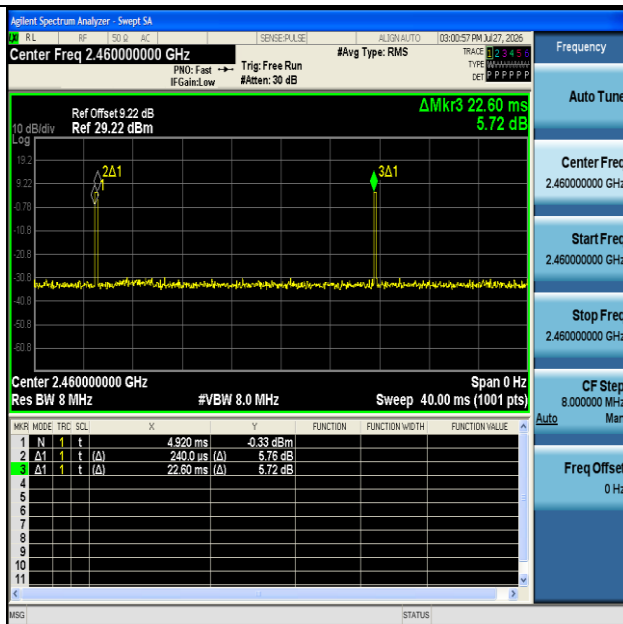
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs





NTNV-SRD-Ant1-2460

