

Appendix Test Data for SRD (Conducted Measurement)

Product Name: TOYS SERIES

Trade Mark: /

Test Model: BB5802B

FCC ID: 2A6LV-BB5802B

Environmental Conditions

Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

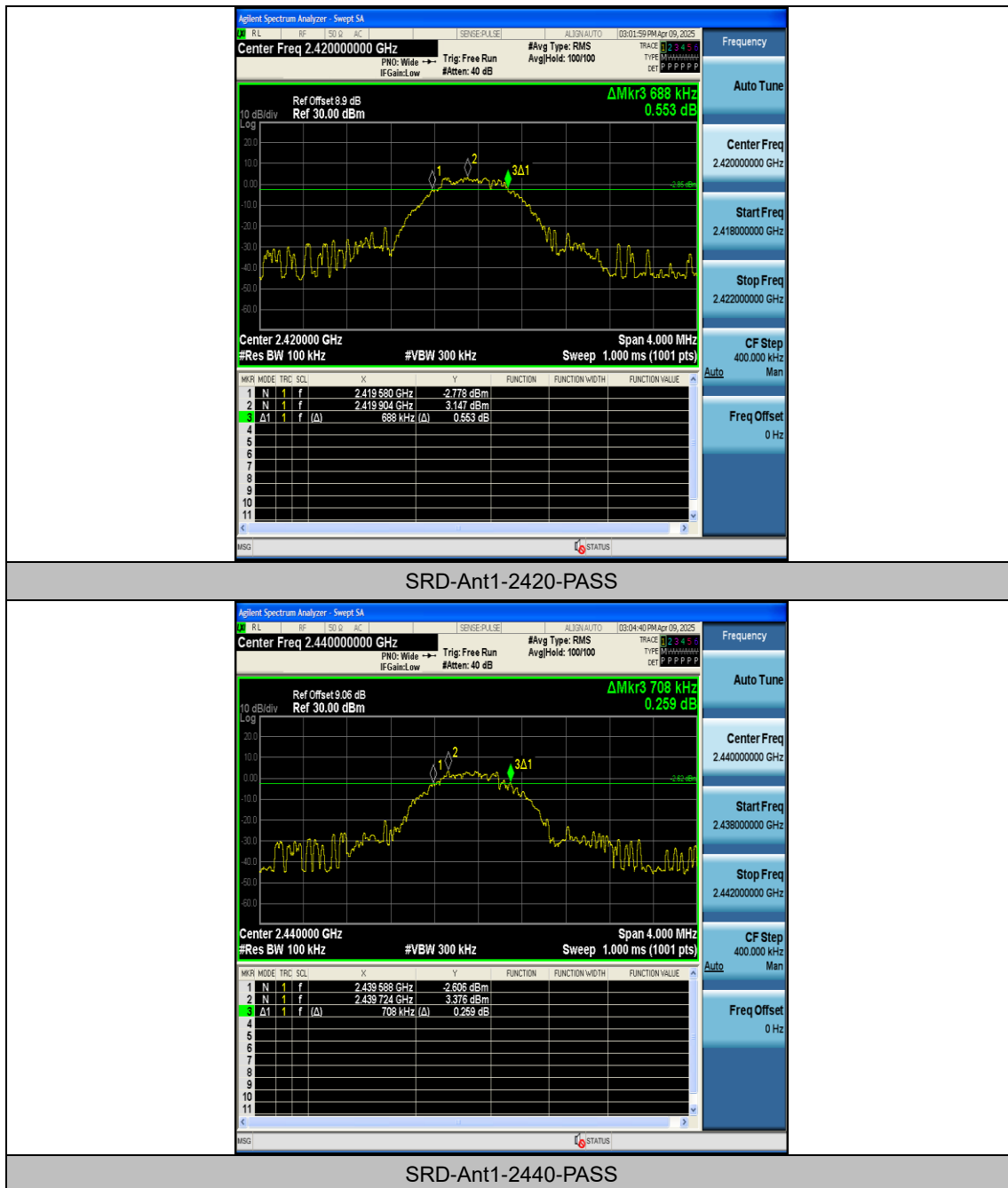
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2420	0.688	2419.580	2420.268	0.5	PASS
SRD	Ant1	2440	0.708	2439.588	2440.296	0.5	PASS
SRD	Ant1	2460	0.668	2459.616	2460.284	0.5	PASS

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

Test Graphs





Appendix B: Occupied Channel Bandwidth

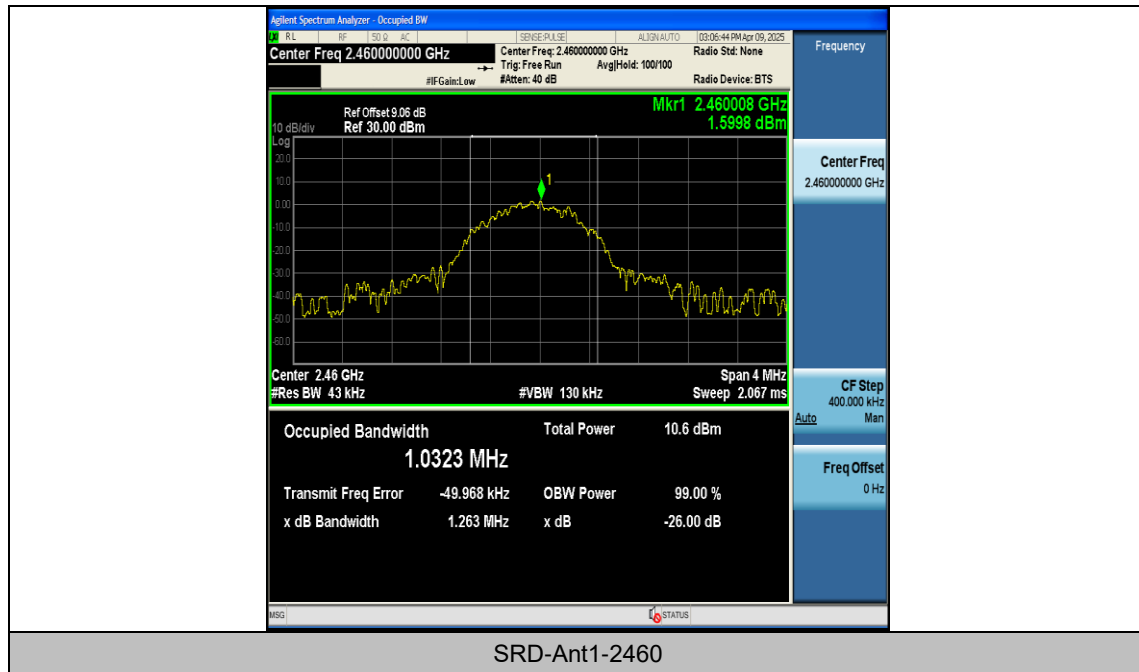
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2420	1.0513	2419.4187	2420.4700	---	---
SRD	Ant1	2440	1.0370	2439.4285	2440.4655	---	---
SRD	Ant1	2460	1.0323	2459.4339	2460.4662	---	---

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

Test Graphs





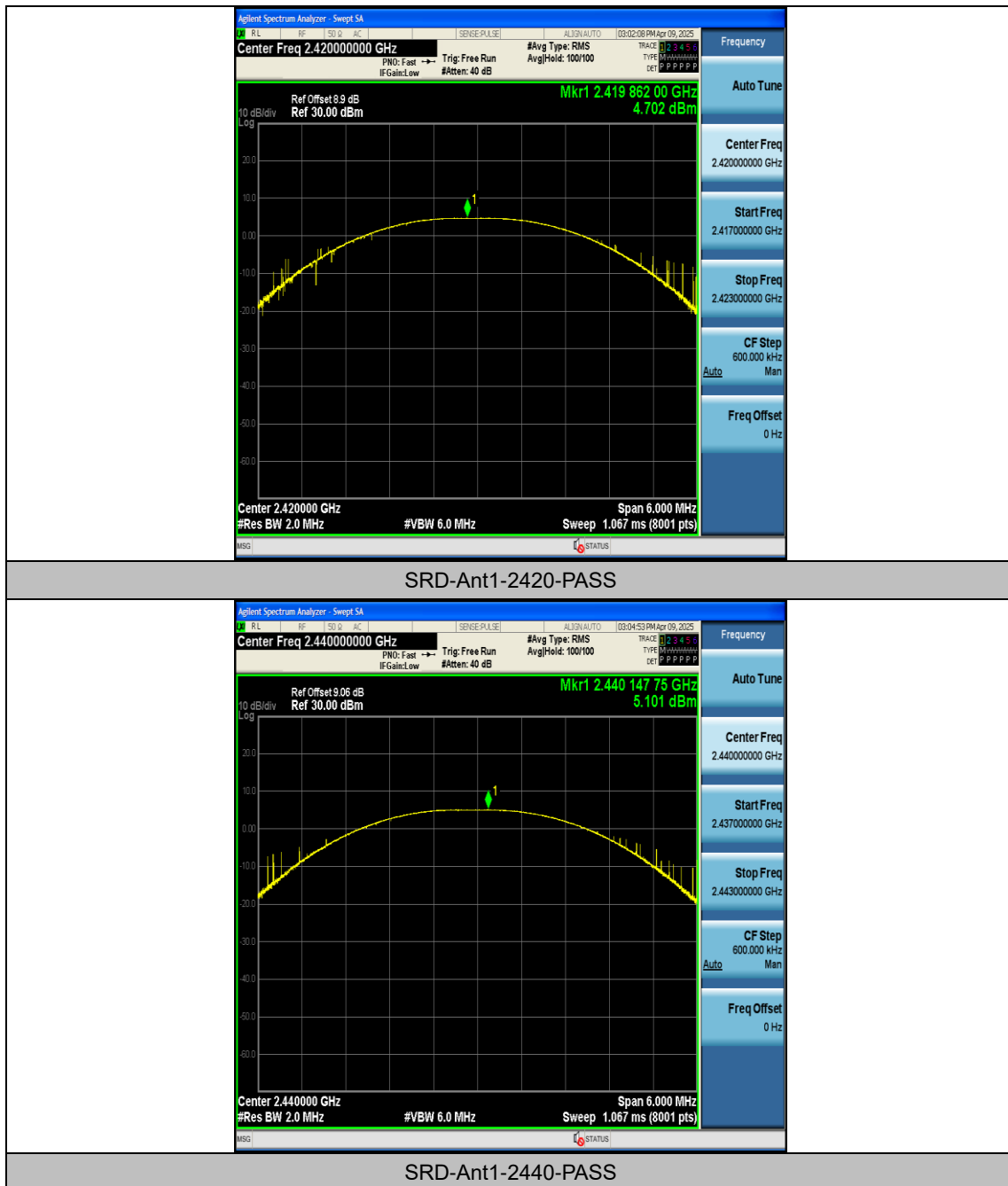
Appendix C: Maximum peak conducted output power

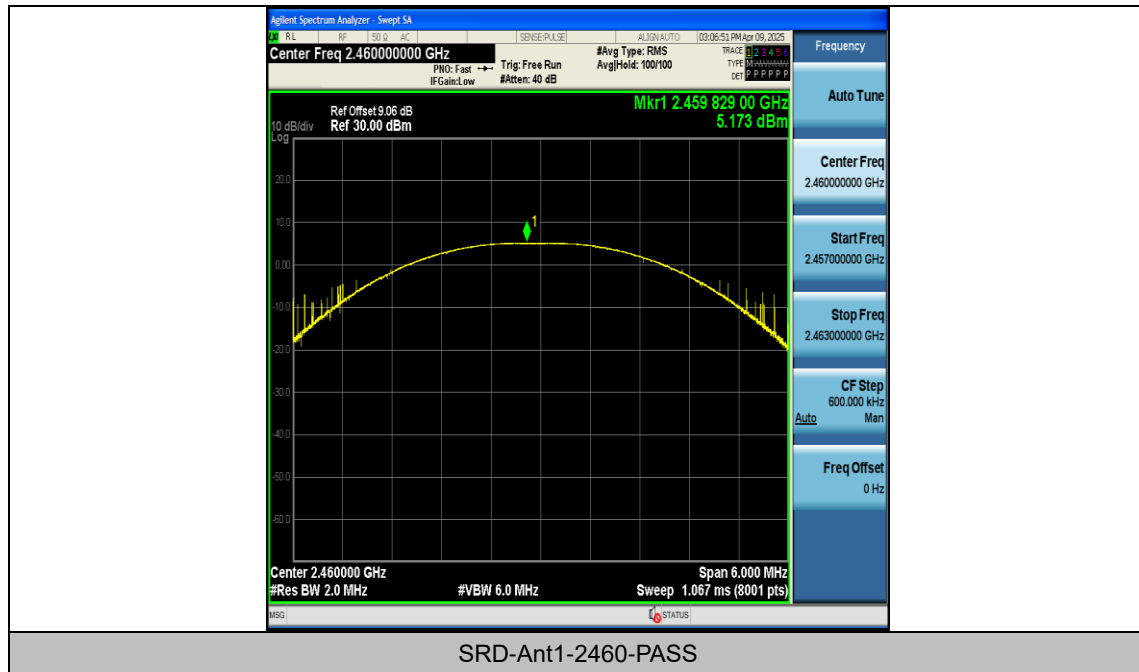
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2420	4.70	≤30	PASS
SRD	Ant1	2440	5.10	≤30	PASS
SRD	Ant1	2460	5.17	≤30	PASS

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

Test Graphs Peak





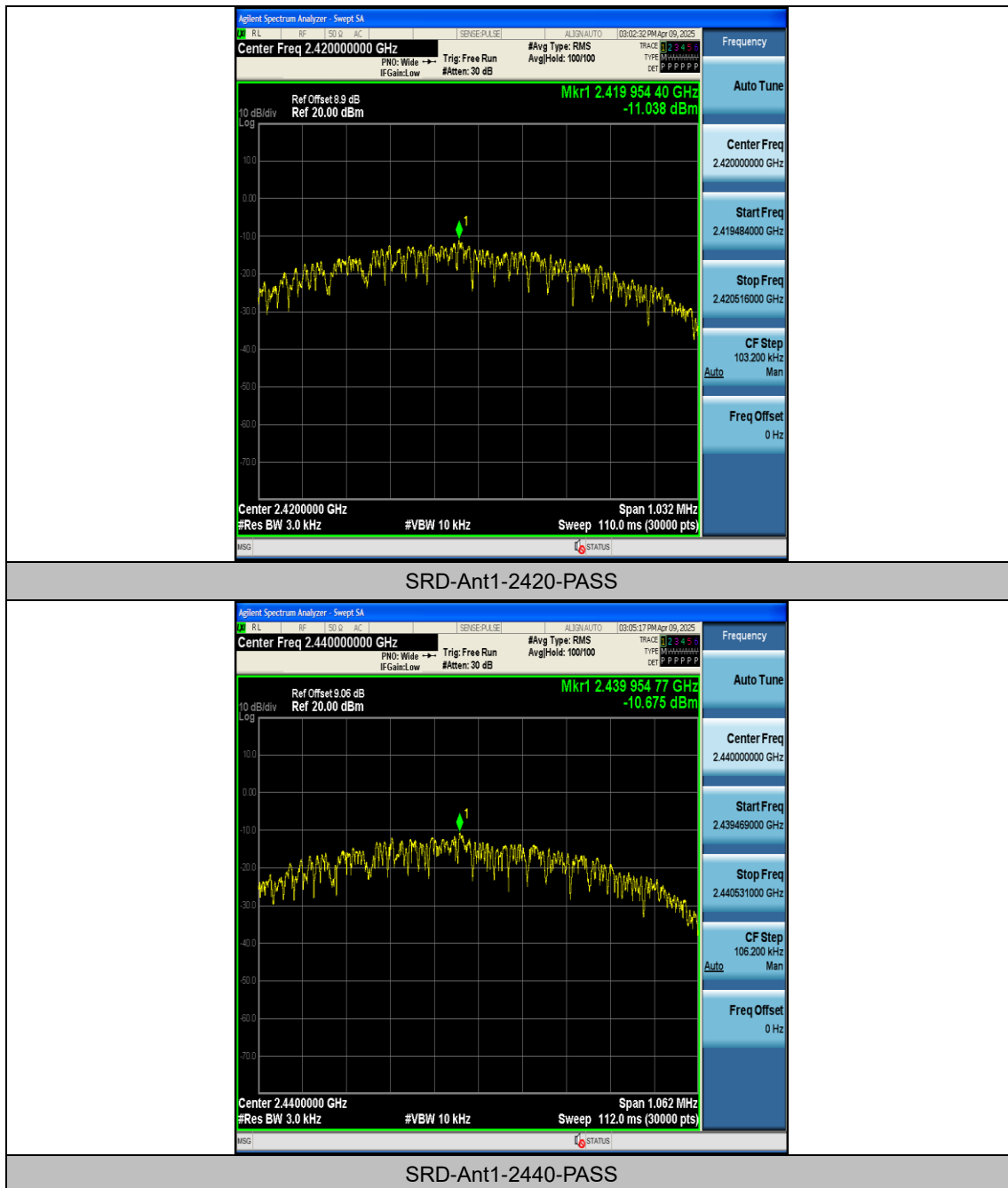
Appendix D: Maximum peak power spectral density

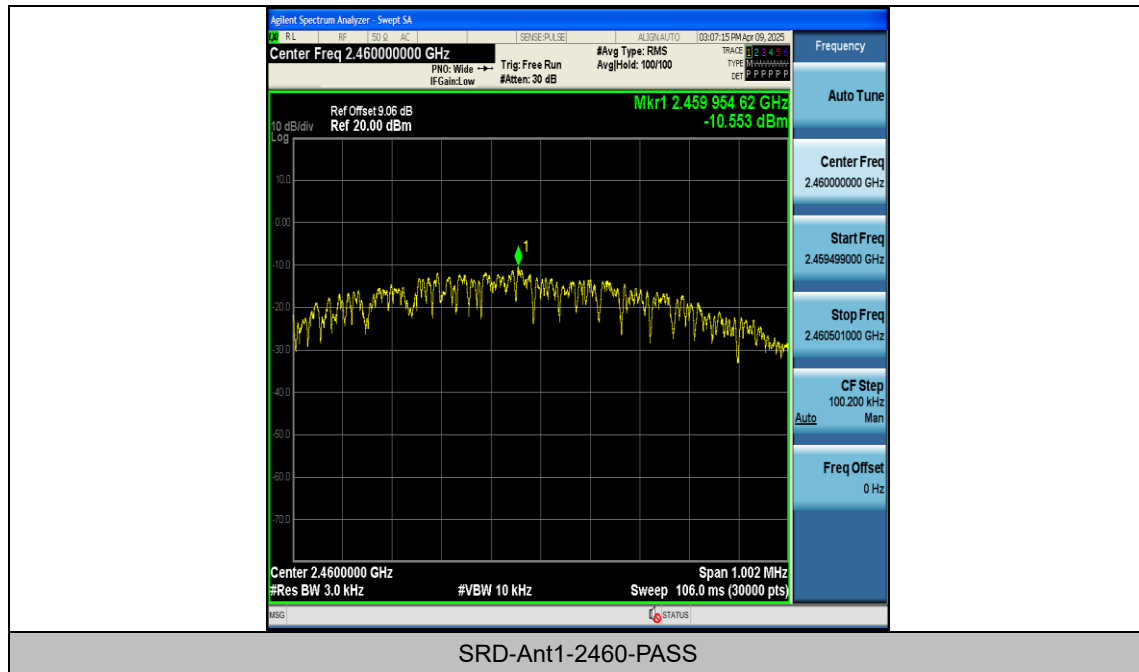
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2420	-11.04	≤8.00	PASS
SRD	Ant1	2440	-10.68	≤8.00	PASS
SRD	Ant1	2460	-10.55	≤8.00	PASS

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

Test Graphs





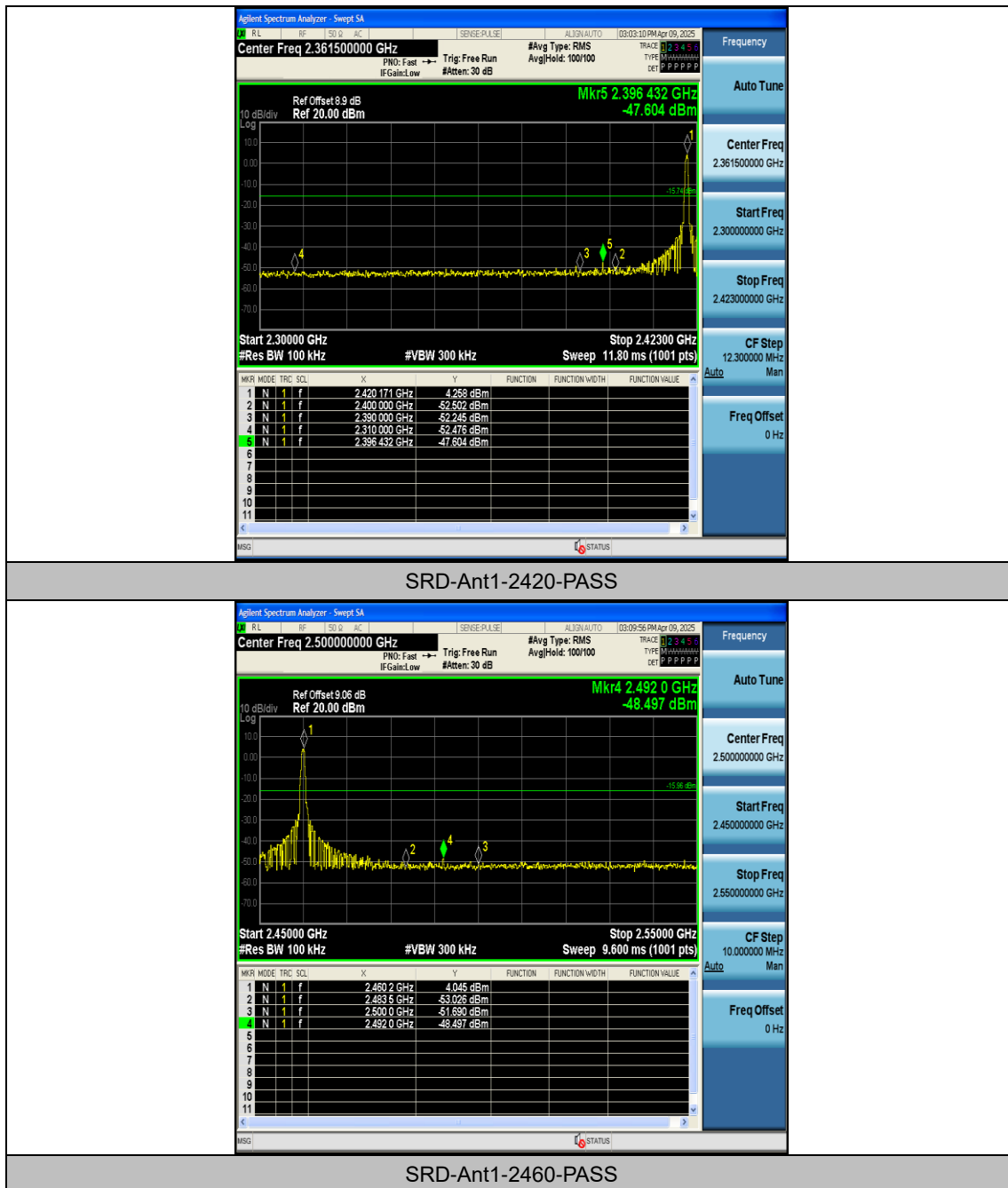
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2420	4.26	-47.6	≤ -15.74	PASS
SRD	Ant1	High	2460	4.05	-48.5	≤ -15.96	PASS

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

Test Graphs



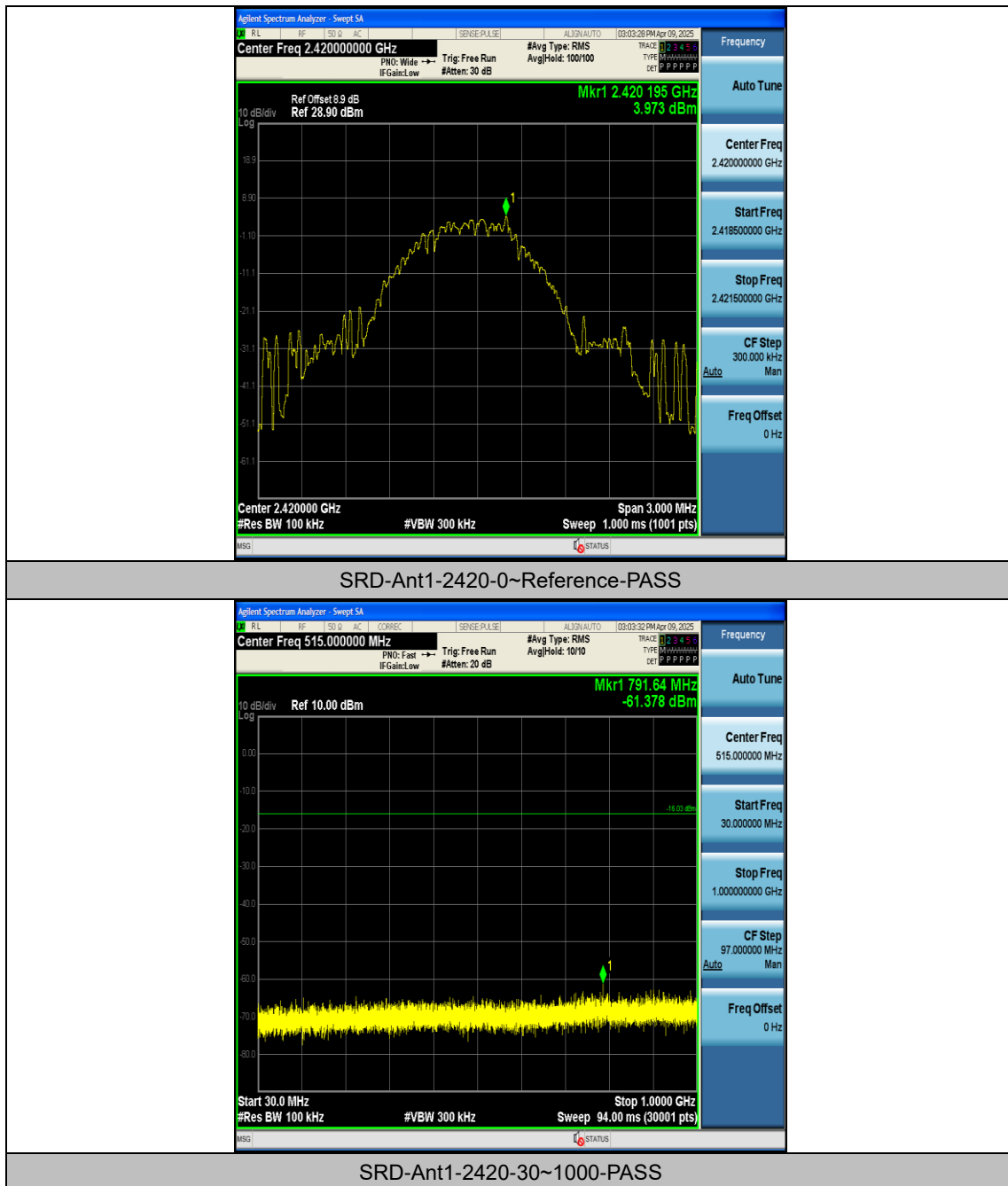
Appendix F: Conducted Spurious Emission

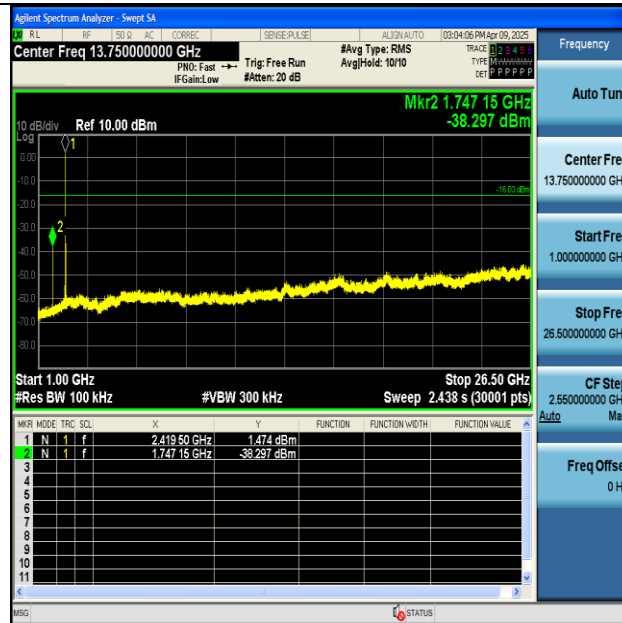
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2420	0~Reference	3.97	3.97	---	PASS
SRD	Ant1	2420	30~1000	3.97	-61.38	≤-16.03	PASS
SRD	Ant1	2420	1000~26500	3.97	-38.3	≤-16.03	PASS
SRD	Ant1	2440	0~Reference	4.36	4.36	---	PASS
SRD	Ant1	2440	30~1000	4.36	-63.14	≤-15.64	PASS
SRD	Ant1	2440	1000~26500	4.36	-44.86	≤-15.64	PASS
SRD	Ant1	2460	0~Reference	4.48	4.48	---	PASS
SRD	Ant1	2460	30~1000	4.48	-62.94	≤-15.52	PASS
SRD	Ant1	2460	1000~26500	4.48	-44.62	≤-15.52	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

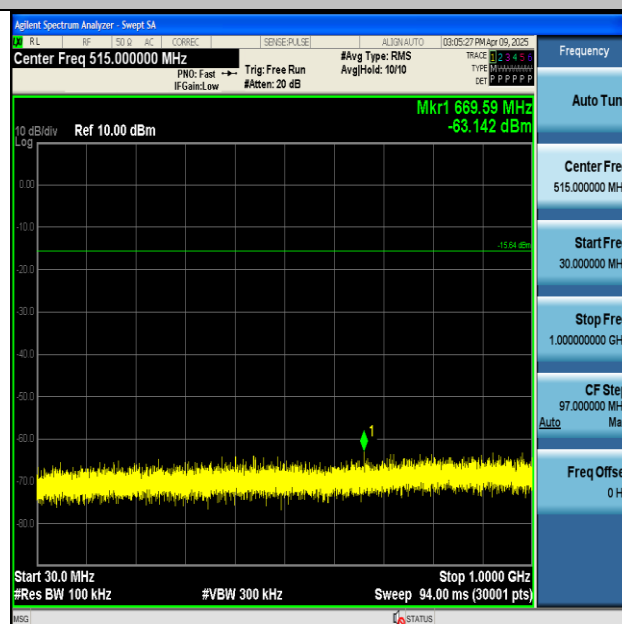




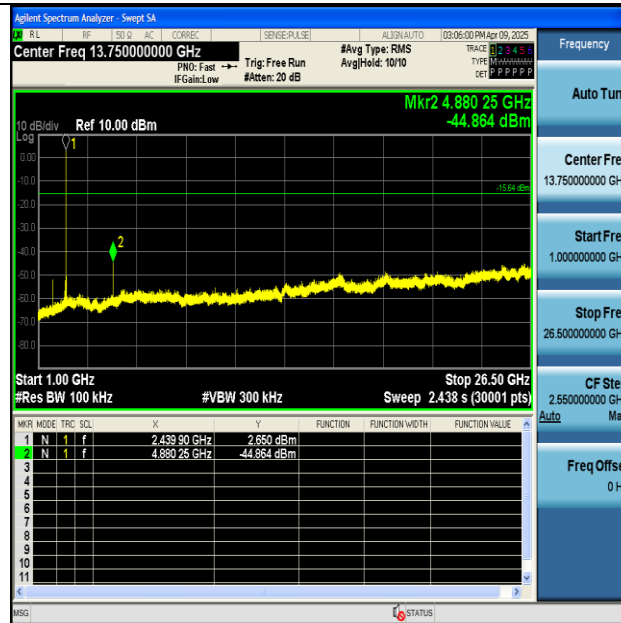
SRD-Ant1-2420-1000~26500-PASS



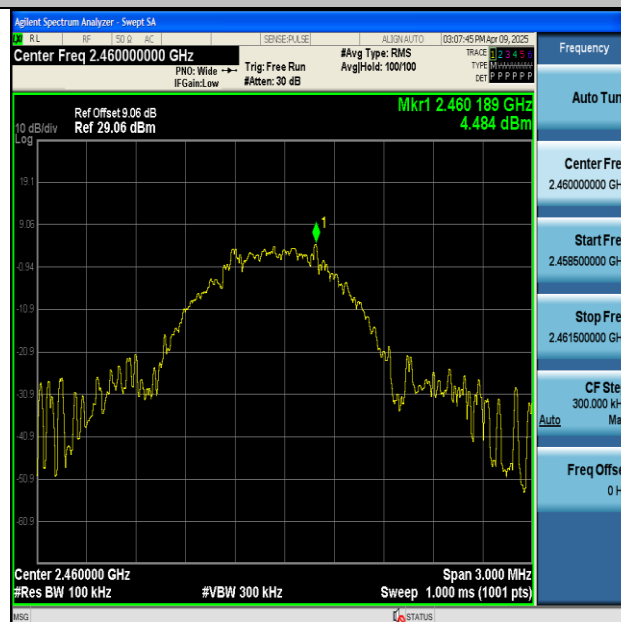
SRD-Ant1-2440-0~Reference-PASS



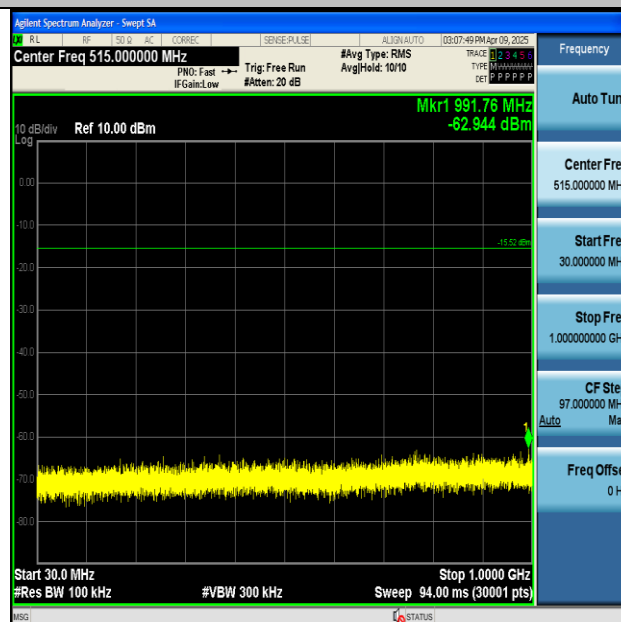
SRD-Ant1-2440-30~1000-PASS



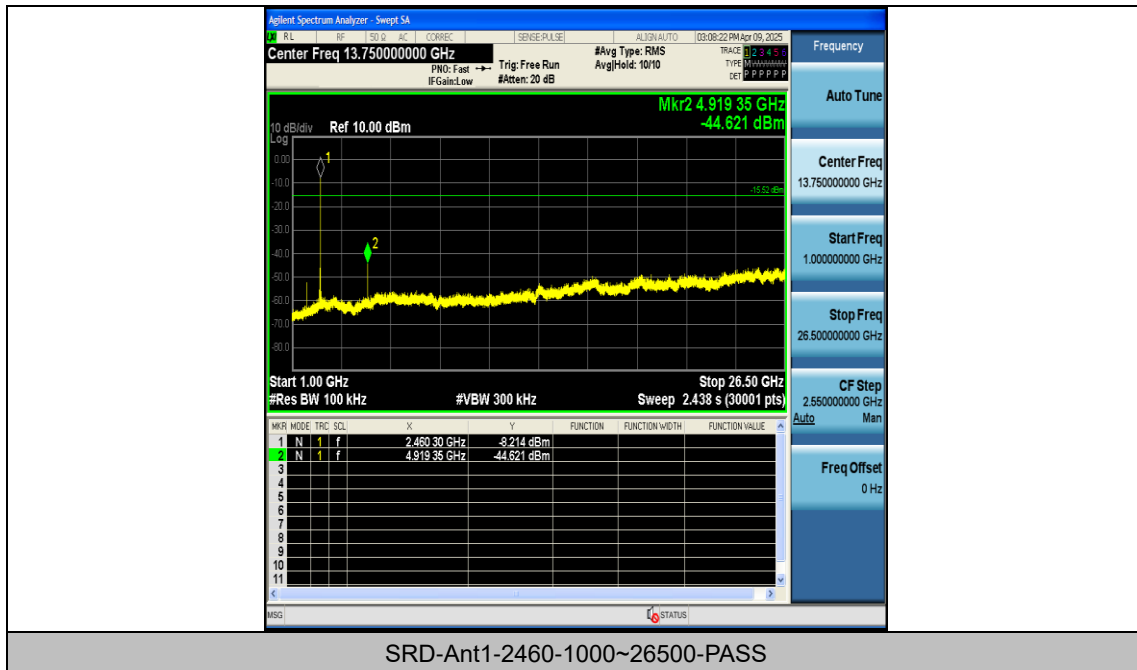
SRD-Ant1-2440-1000~26500-PASS



SRD-Ant1-2460-0~Reference-PASS



SRD-Ant1-2460-30~1000-PASS



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	0.42	2.76	15.22	8.18
SRD	Ant1	2440	0.42	2.75	15.27	8.16
SRD	Ant1	2460	0.42	2.76	15.22	8.18

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

Test Graphs

