

Appendix Test Data for SRD (Conducted Measurement)

Product Name: Remote control car

Trade Mark: /

Test Model: XDKJ-028

FCC ID: 2A4KU-XDKJ-028

Environmental Conditions

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

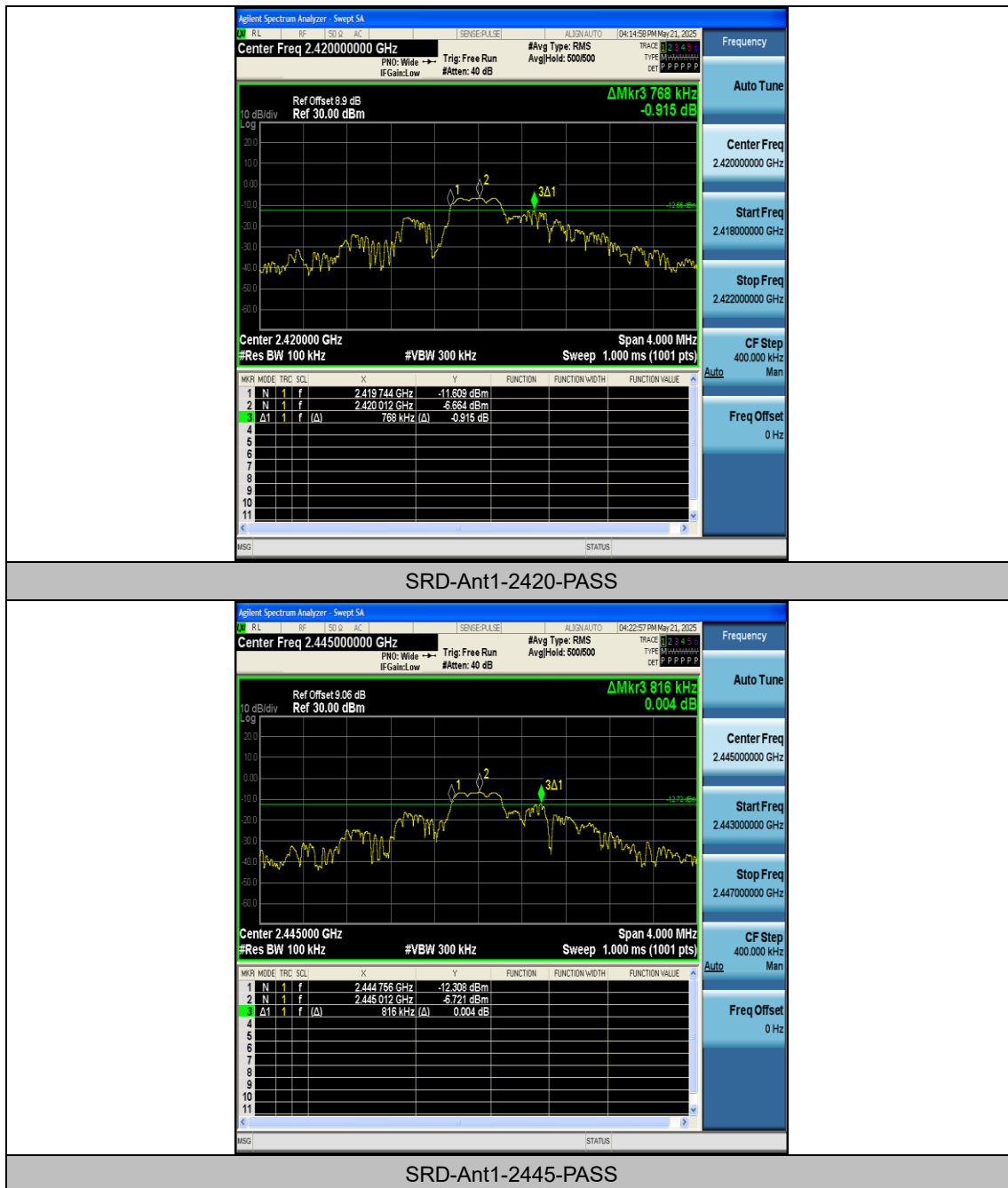
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2420	0.768	2419.744	2420.512	0.5	PASS
SRD	Ant1	2445	0.816	2444.756	2445.572	0.5	PASS
SRD	Ant1	2470	0.764	2469.760	2470.524	0.5	PASS

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

Test Graphs





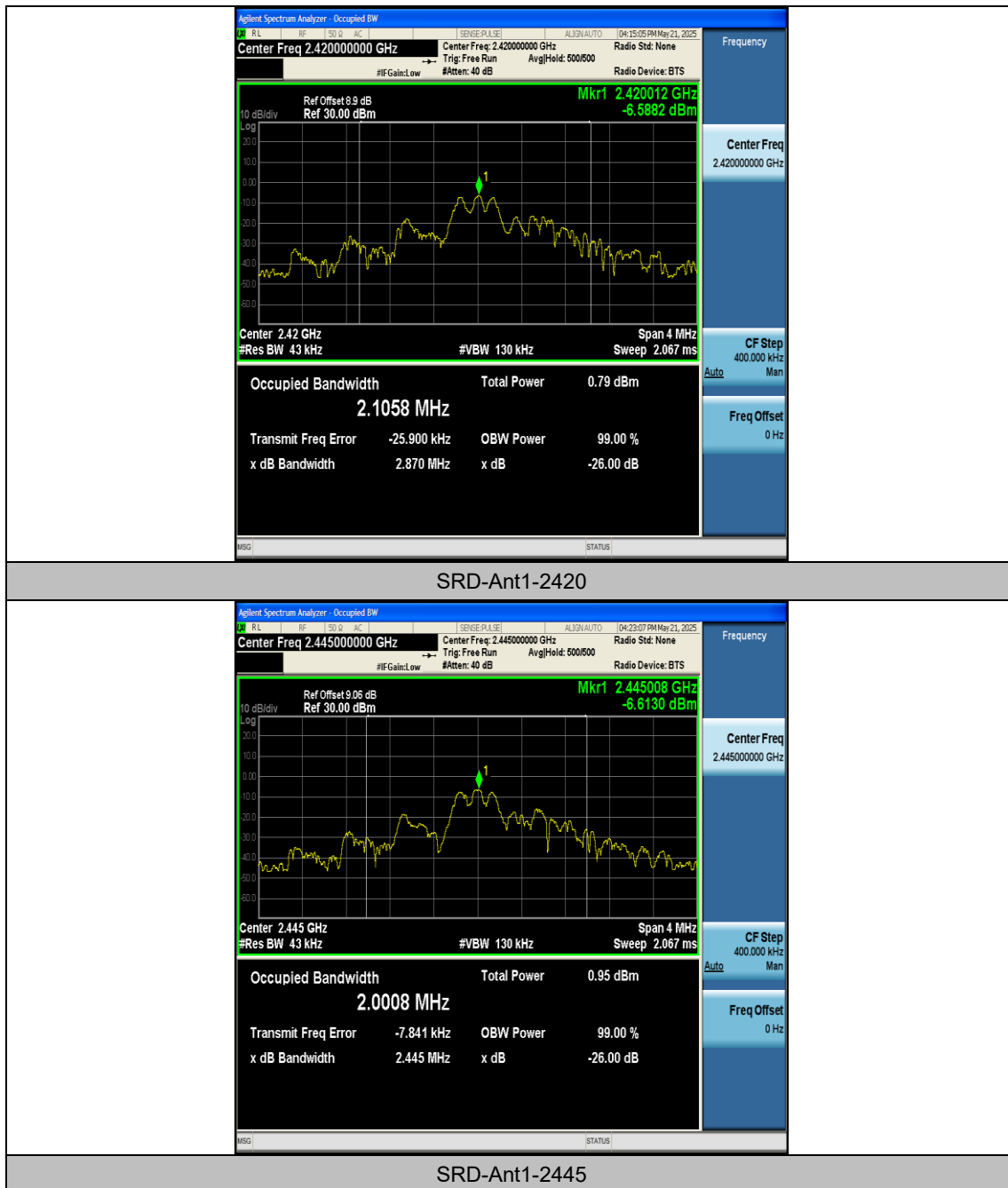
Appendix B: Occupied Channel Bandwidth

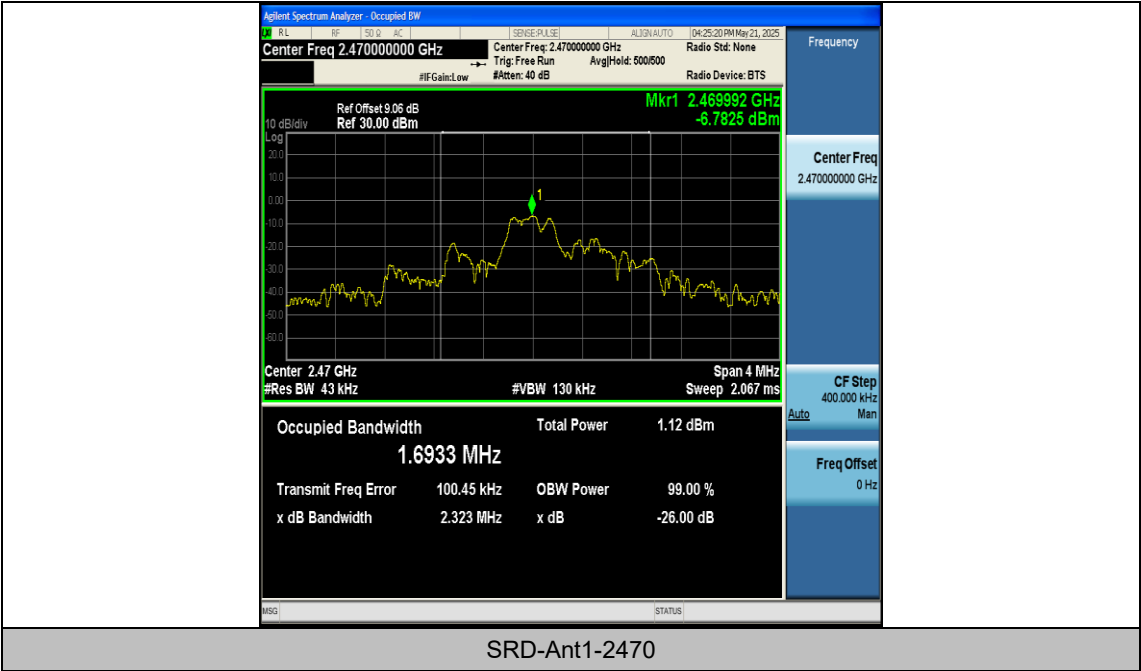
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2420	2.1058	2418.9212	2421.0270	---	---
SRD	Ant1	2445	2.0008	2443.9918	2445.9926	---	---
SRD	Ant1	2470	1.6933	2469.2538	2470.9471	---	---

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

Test Graphs





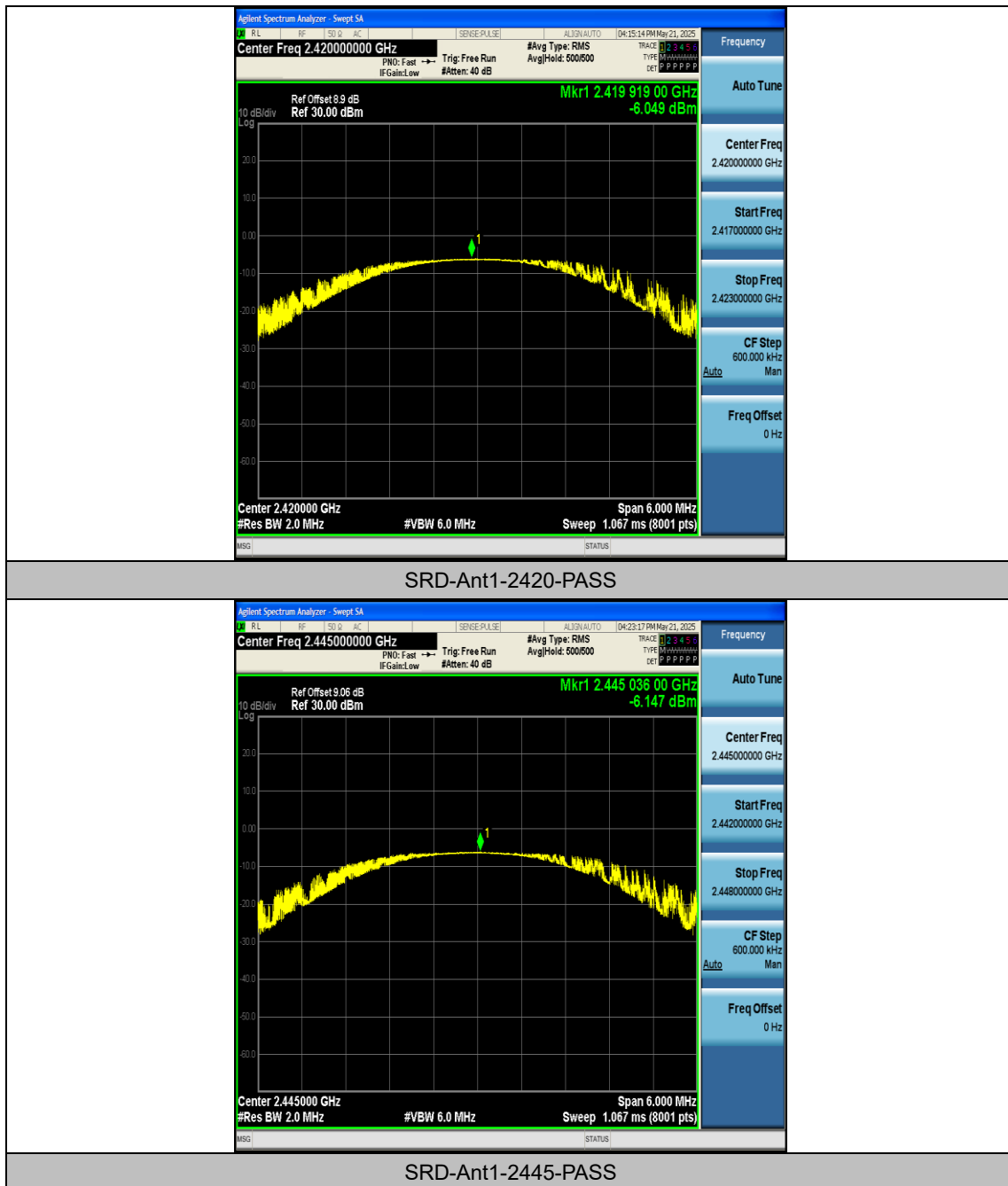
Appendix C: Maximum peak conducted output power

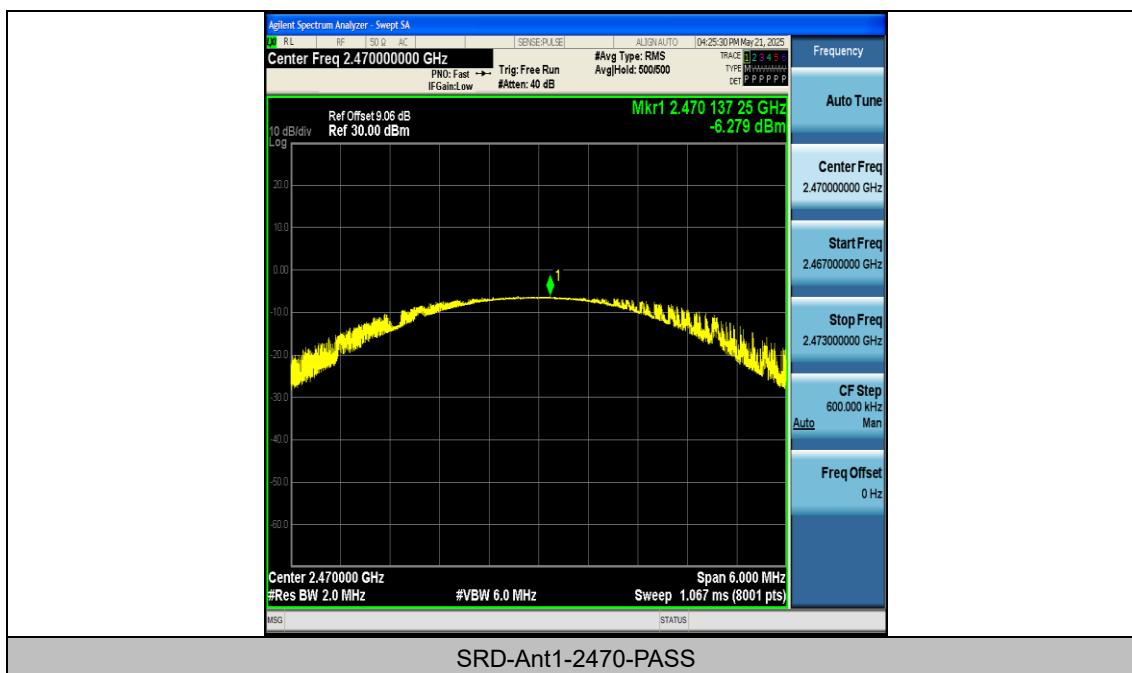
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2420	-6.05	≤30	PASS
SRD	Ant1	2445	-6.15	≤30	PASS
SRD	Ant1	2470	-6.28	≤30	PASS

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

Test Graphs Peak





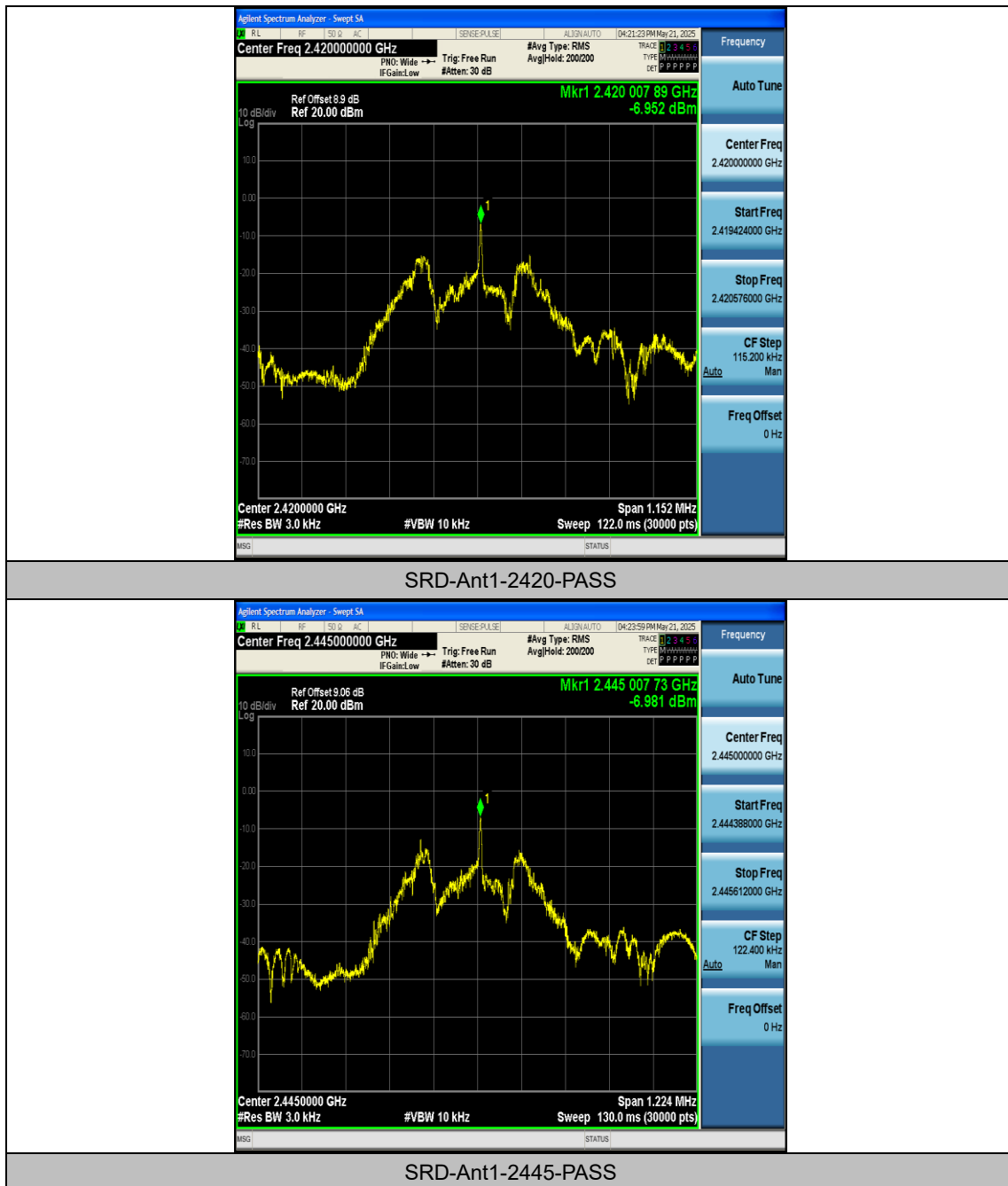
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2420	-6.95	≤8.00	PASS
SRD	Ant1	2445	-6.98	≤8.00	PASS
SRD	Ant1	2470	-7.11	≤8.00	PASS

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

Test Graphs





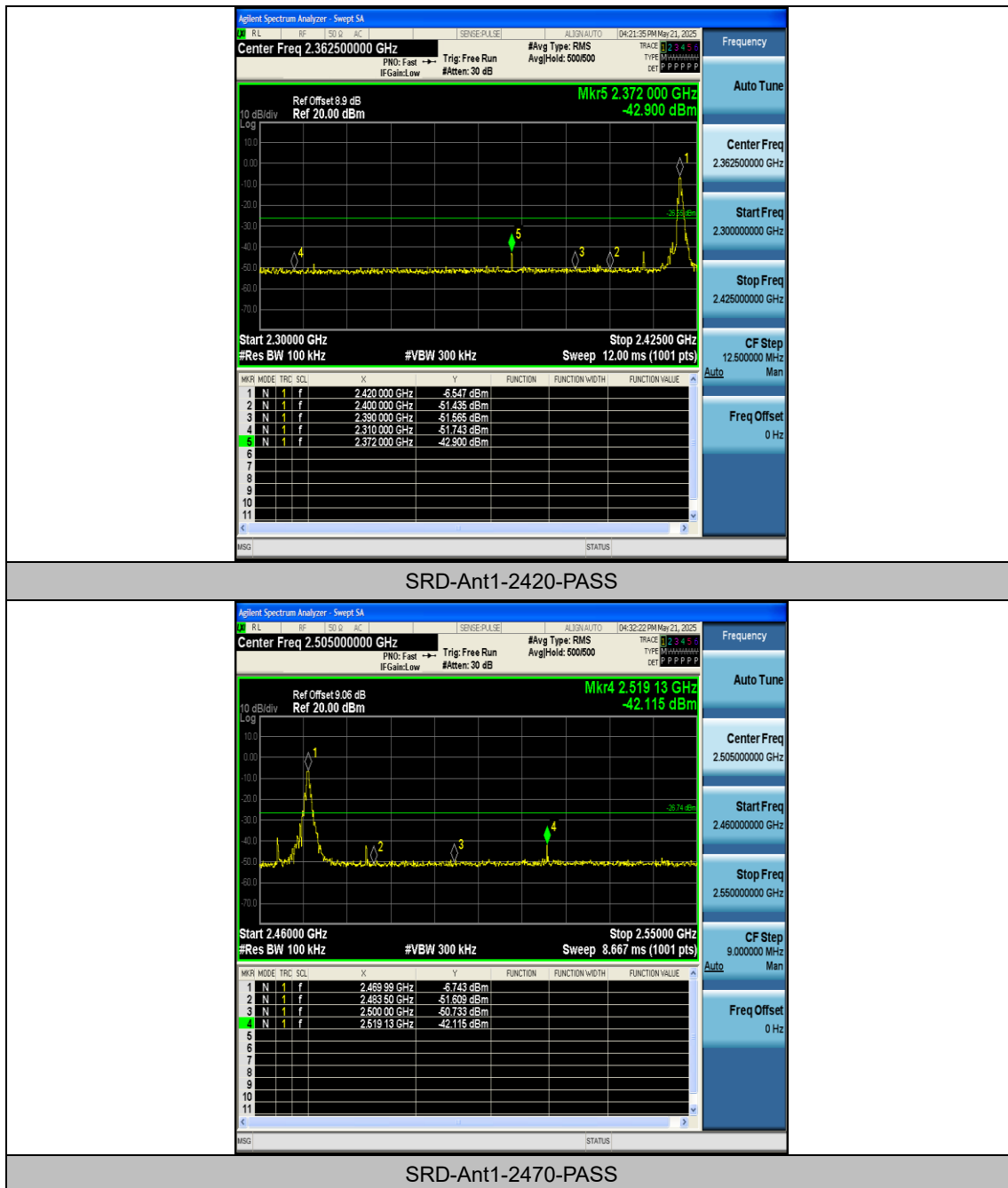
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2420	-6.55	-42.9	≤ -26.55	PASS
SRD	Ant1	High	2470	-6.74	-42.12	≤ -26.74	PASS

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

Test Graphs



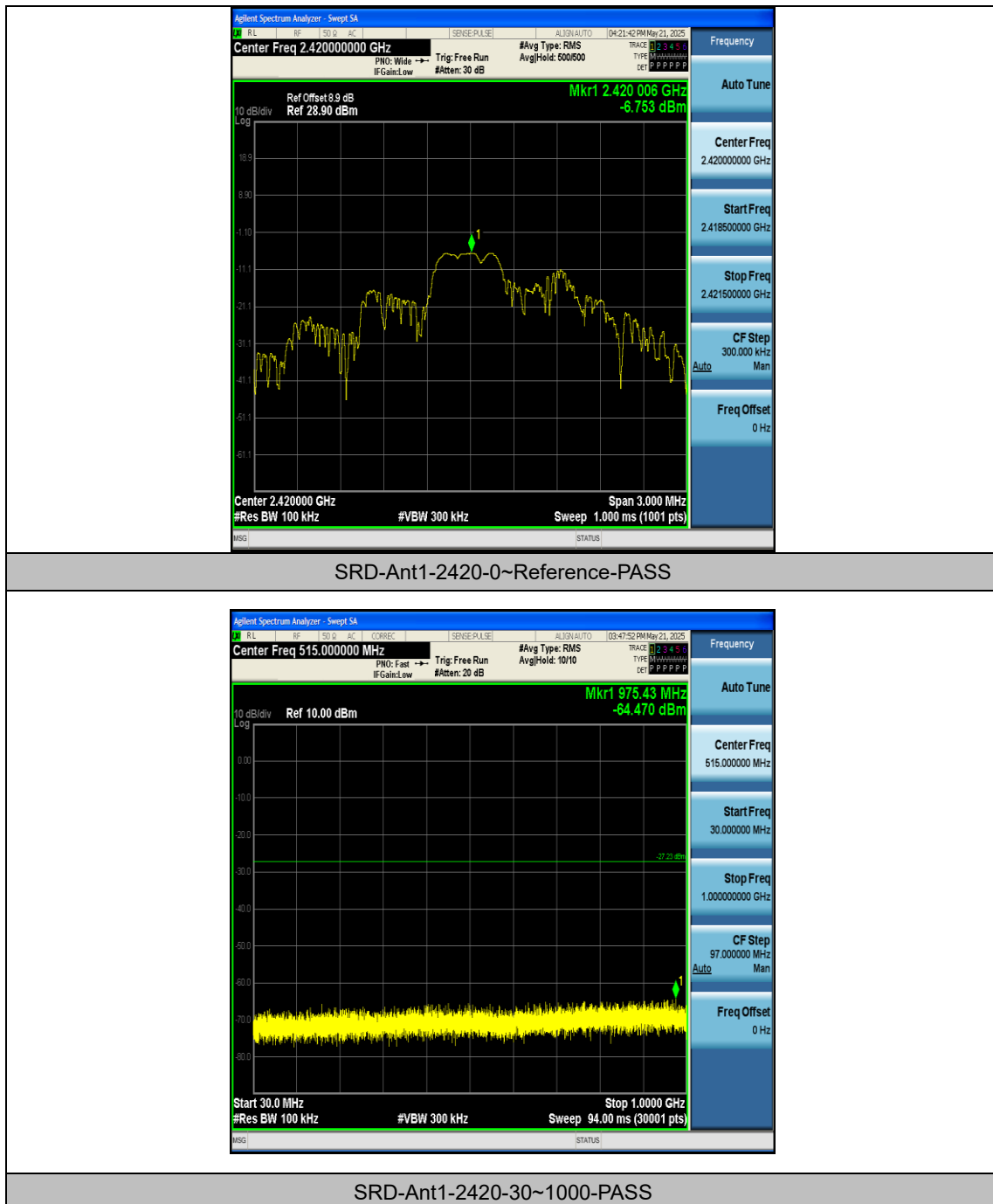
Appendix F: Conducted Spurious Emission

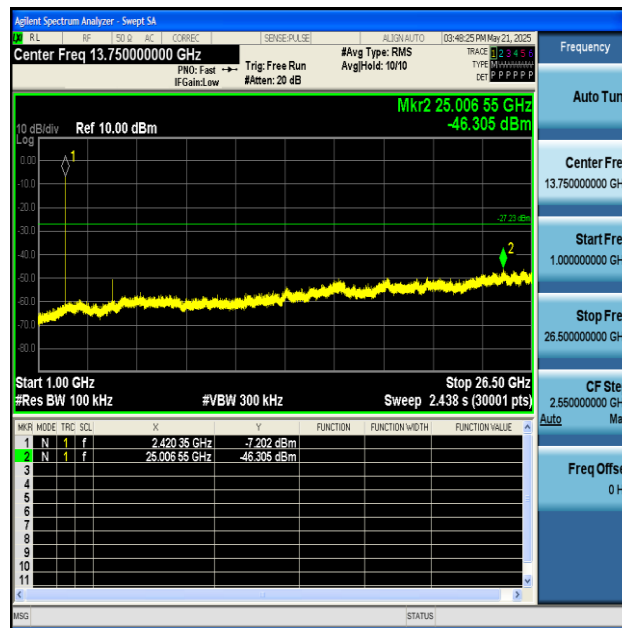
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2420	0~Reference	-6.75	-6.75	---	PASS
SRD	Ant1	2420	30~1000	-6.75	-64.47	≤ -26.75	PASS
SRD	Ant1	2420	1000~26500	-6.75	-46.31	≤ -26.75	PASS
SRD	Ant1	2445	0~Reference	-6.80	-6.80	---	PASS
SRD	Ant1	2445	30~1000	-6.80	-64.26	≤ -26.8	PASS
SRD	Ant1	2445	1000~26500	-6.80	-46.09	≤ -26.8	PASS
SRD	Ant1	2470	0~Reference	-6.94	-6.94	---	PASS
SRD	Ant1	2470	30~1000	-6.94	-63.45	≤ -26.94	PASS
SRD	Ant1	2470	1000~26500	-6.94	-45.72	≤ -26.94	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

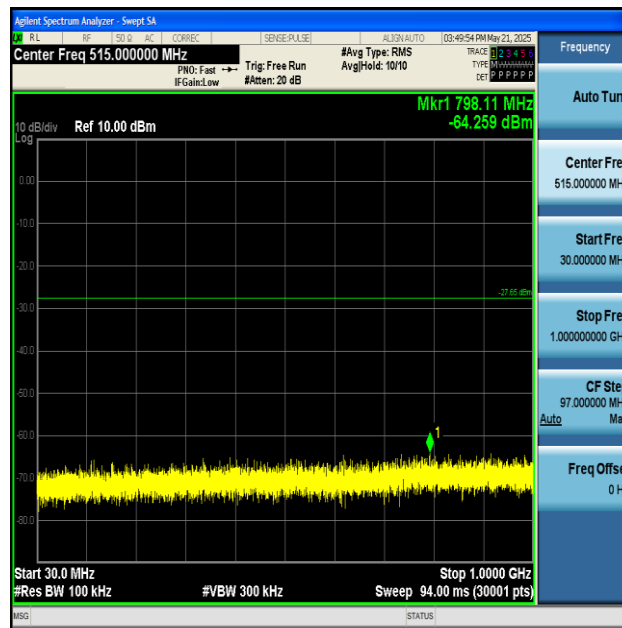




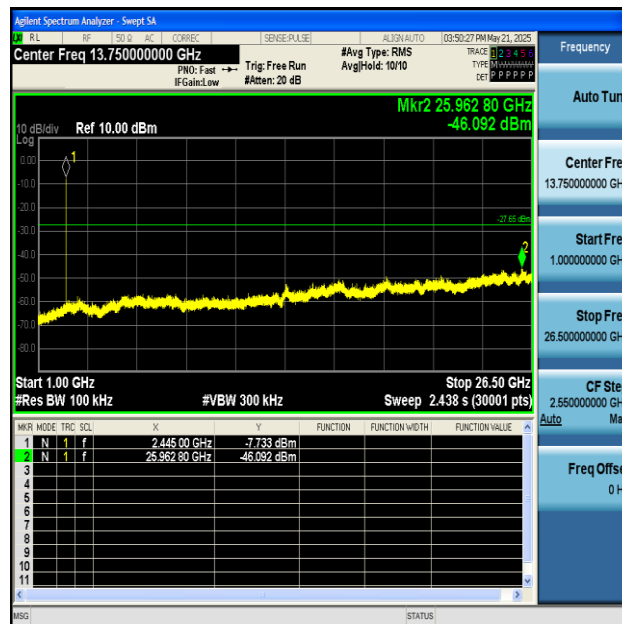
SRD-Ant1-2420-1000~26500-PASS



SRD-Ant1-2445-0~Reference-PASS



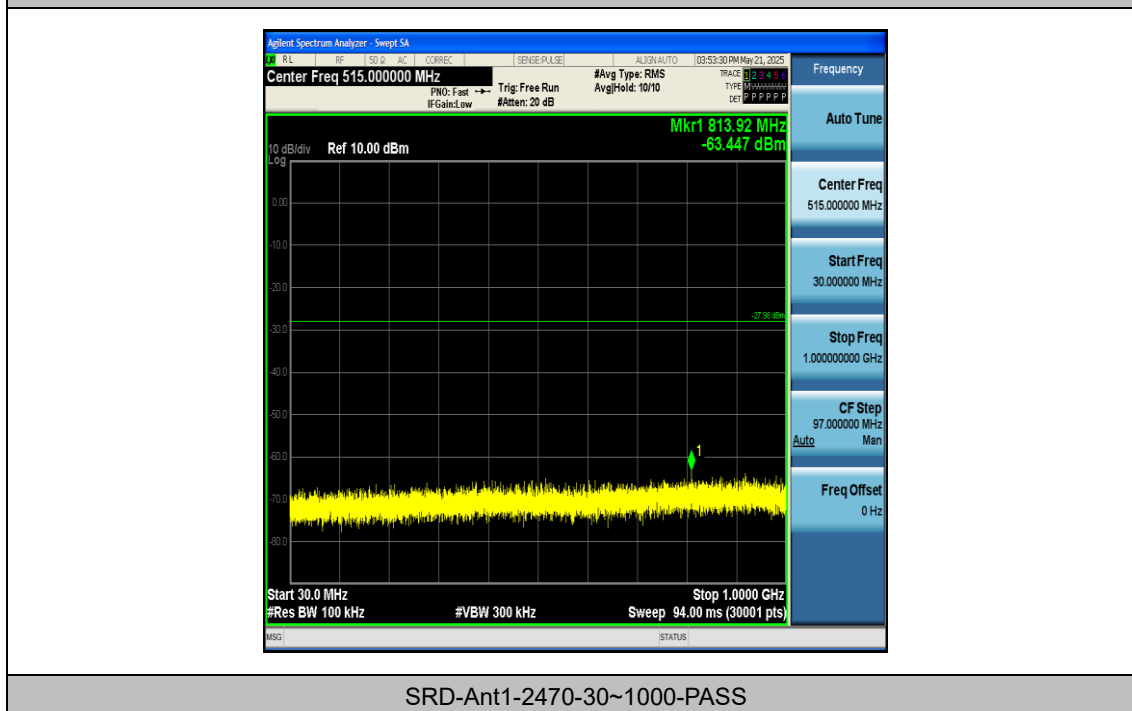
SRD-Ant1-2445-30~1000-PASS



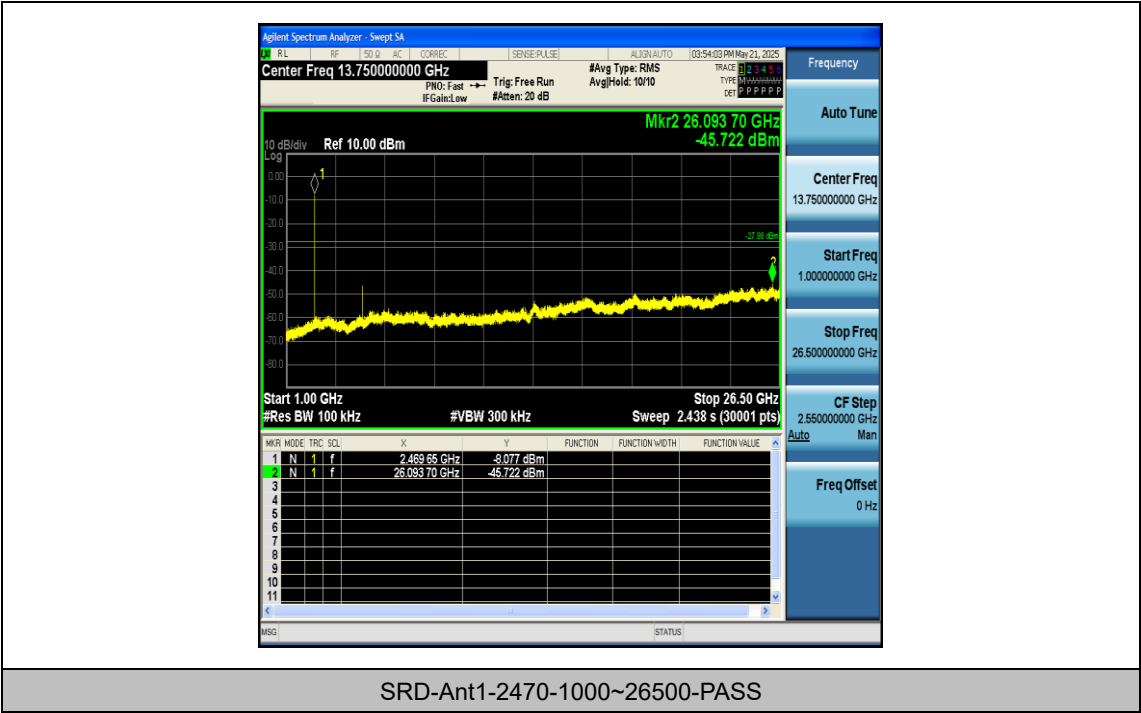
SRD-Ant1-2445-1000~26500-PASS



SRD-Ant1-2470-0~Reference-PASS



SRD-Ant1-2470-30~1000-PASS



SRD-Ant1-2470-1000~26500-PASS

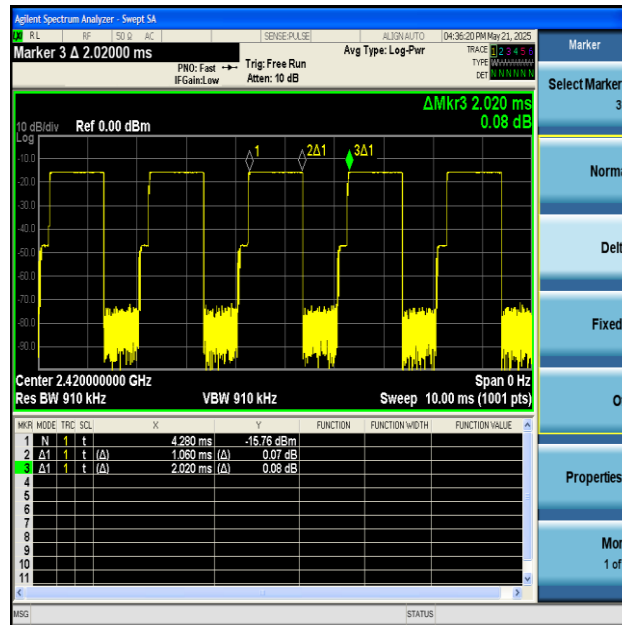
Appendix G: Duty Cycle

Test Result

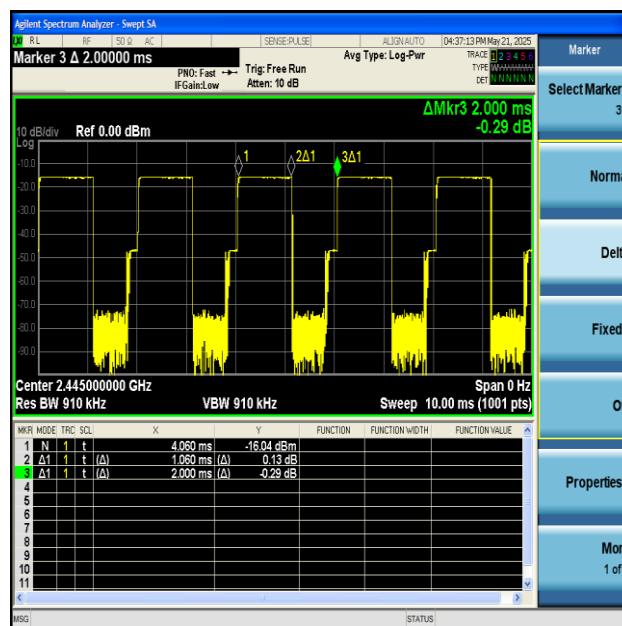
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
SRD	Ant1	2420	1.06	2.02	52.48	2.80
SRD	Ant1	2445	1.06	2.00	53.00	2.76
SRD	Ant1	2470	1.08	2.01	53.73	2.70

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

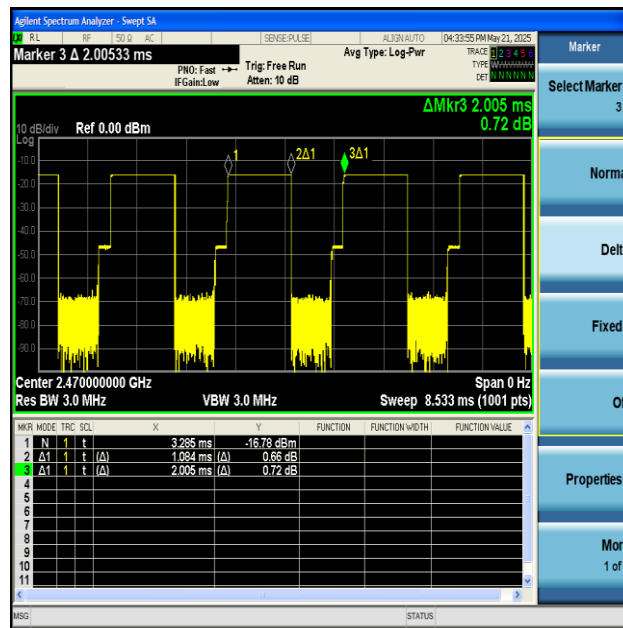
Test Graphs



NTNV-SRD-Ant1-2420



NTNV-SRD-Ant1-2445



NTNV-SRD-Ant1-2470