

Appendix Test Data for SRD (Conducted Measurement)

Product Name: Intelligent quadcopter

Trade Mark: /

Test Model: YL-01

FCC ID: 2BOUB-YL01YK

Environmental Conditions

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

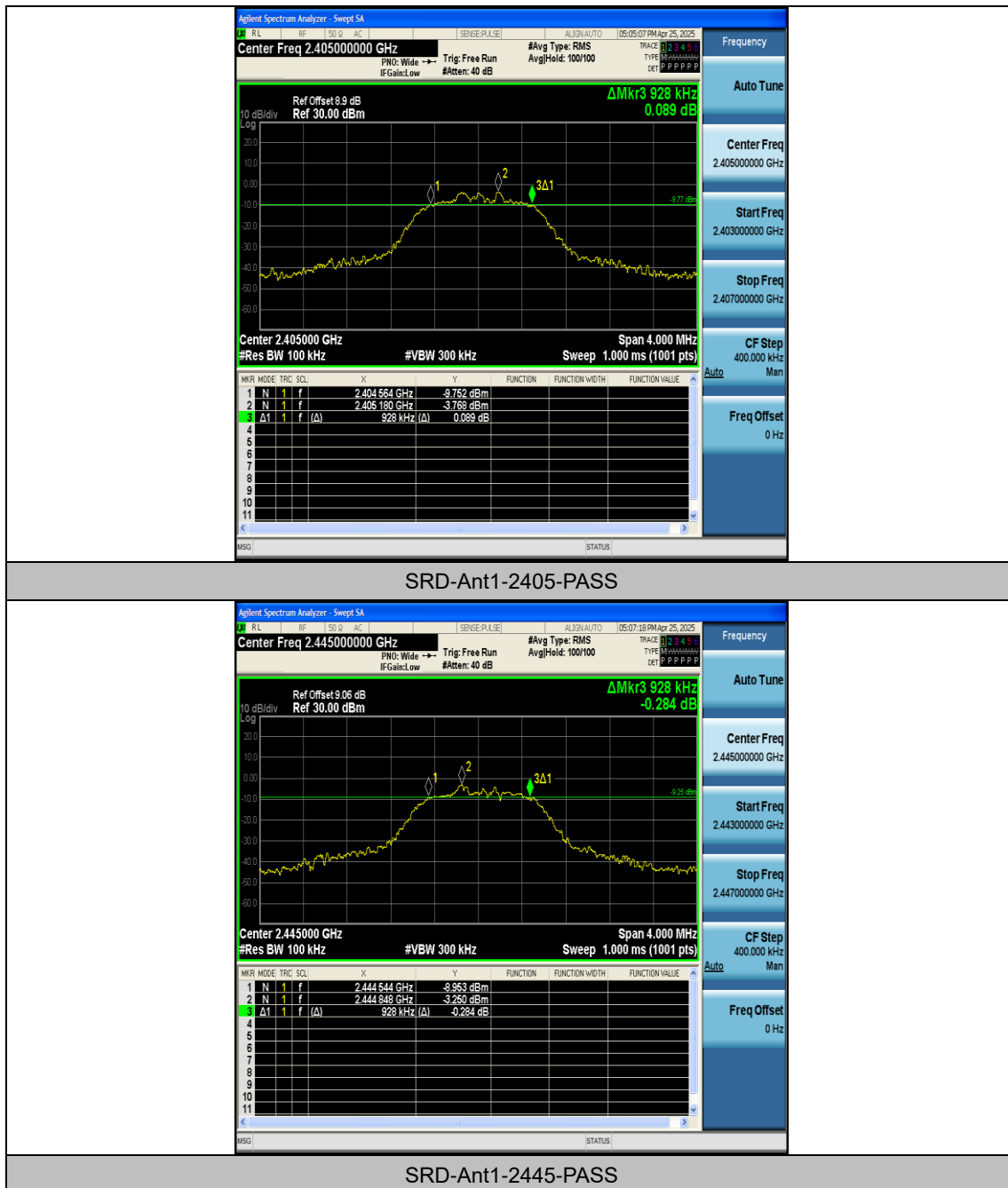
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2405	0.928	2404.564	2405.492	0.5	PASS
SRD	Ant1	2445	0.928	2444.544	2445.472	0.5	PASS
SRD	Ant1	2475	0.928	2474.576	2475.504	0.5	PASS

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

Test Graphs





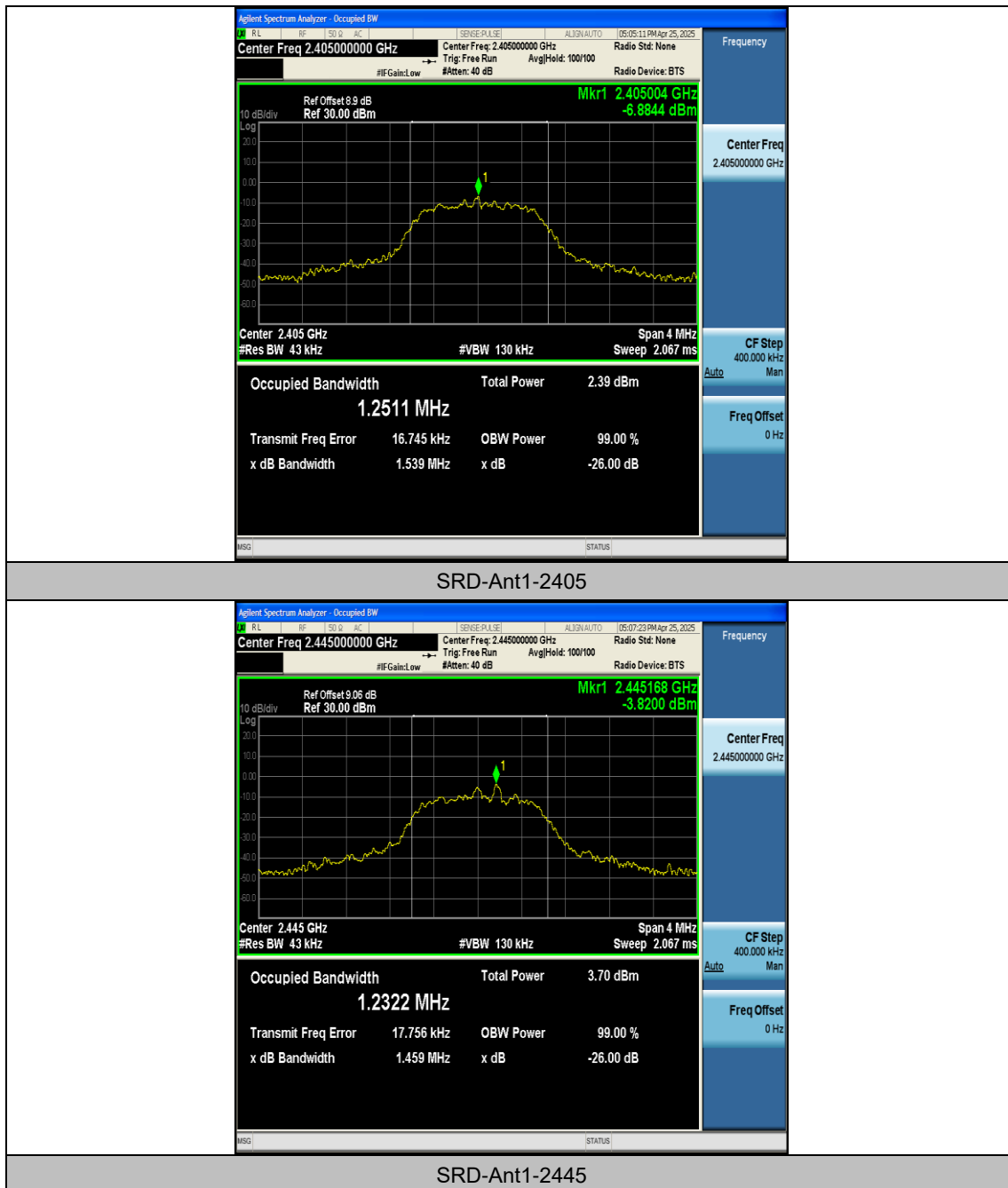
Appendix B: Occupied Channel Bandwidth

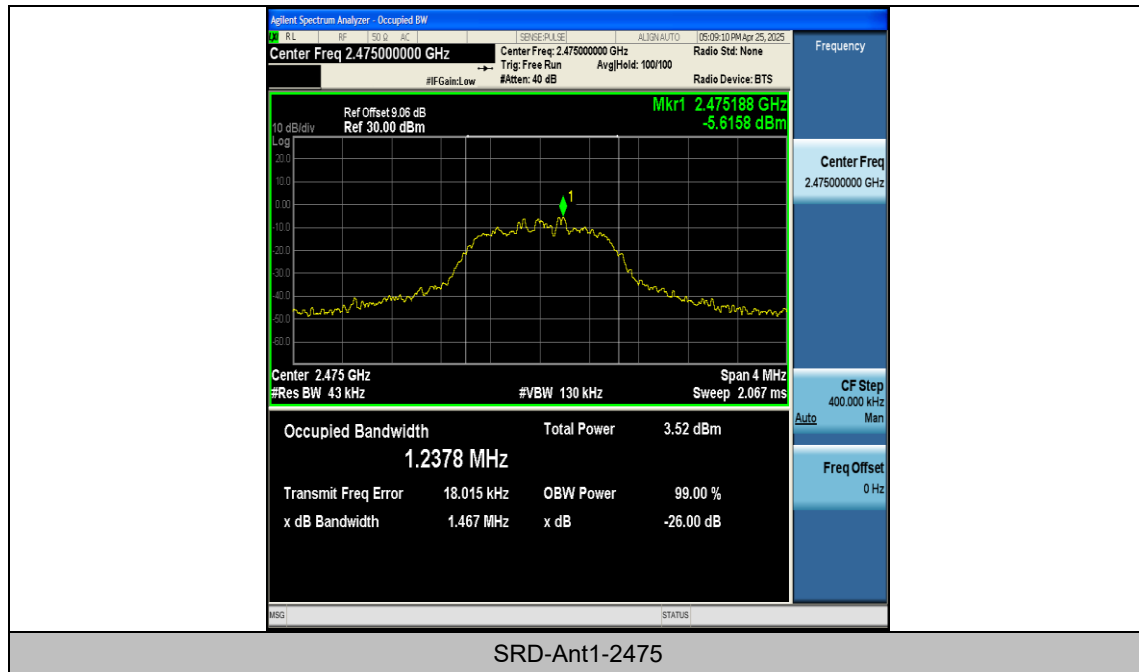
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2405	1.2511	2404.3912	2405.6423	---	---
SRD	Ant1	2445	1.2322	2444.4017	2445.6339	---	---
SRD	Ant1	2475	1.2378	2474.3991	2475.6369	---	---

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

Test Graphs





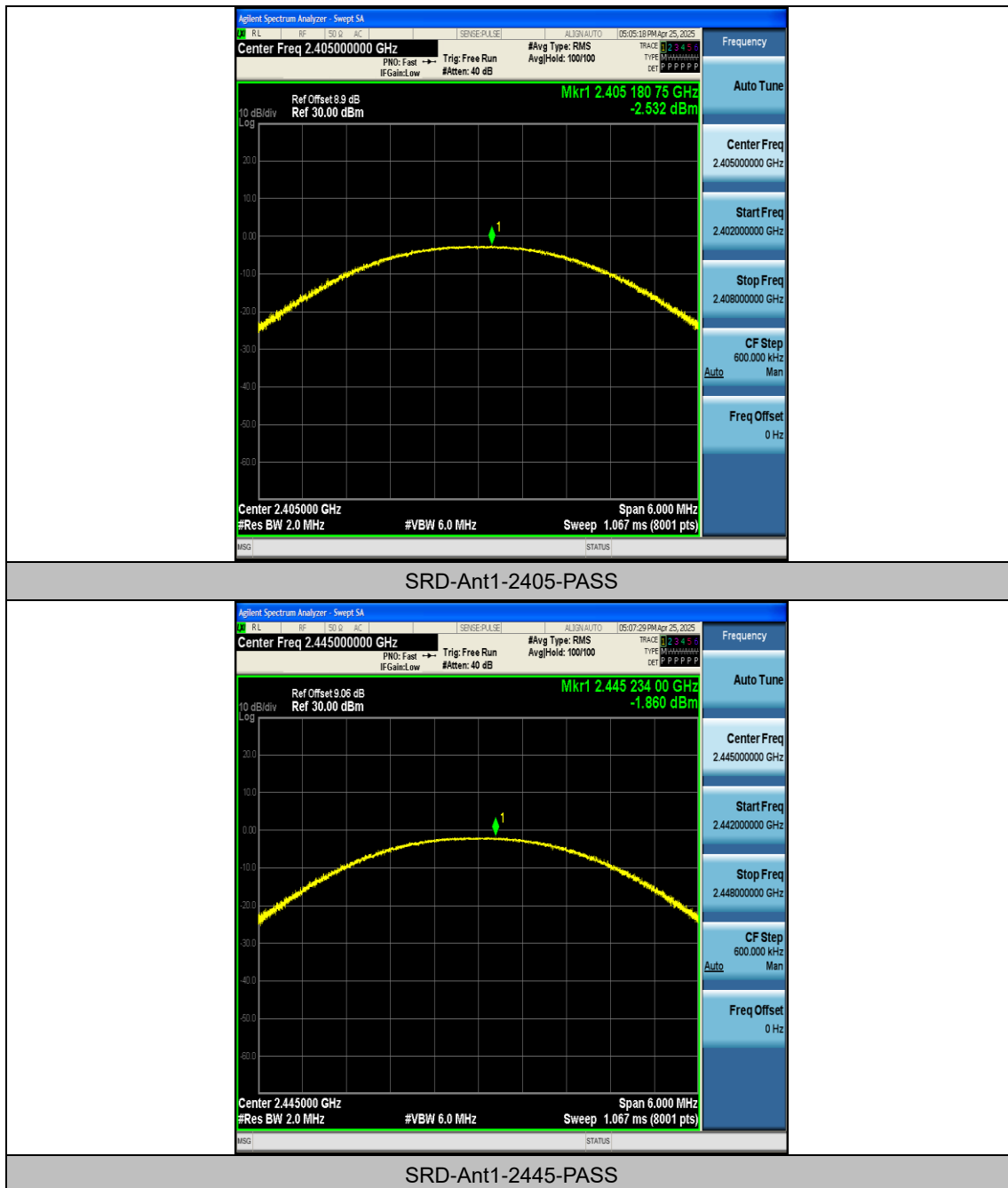
Appendix C: Maximum peak conducted output power

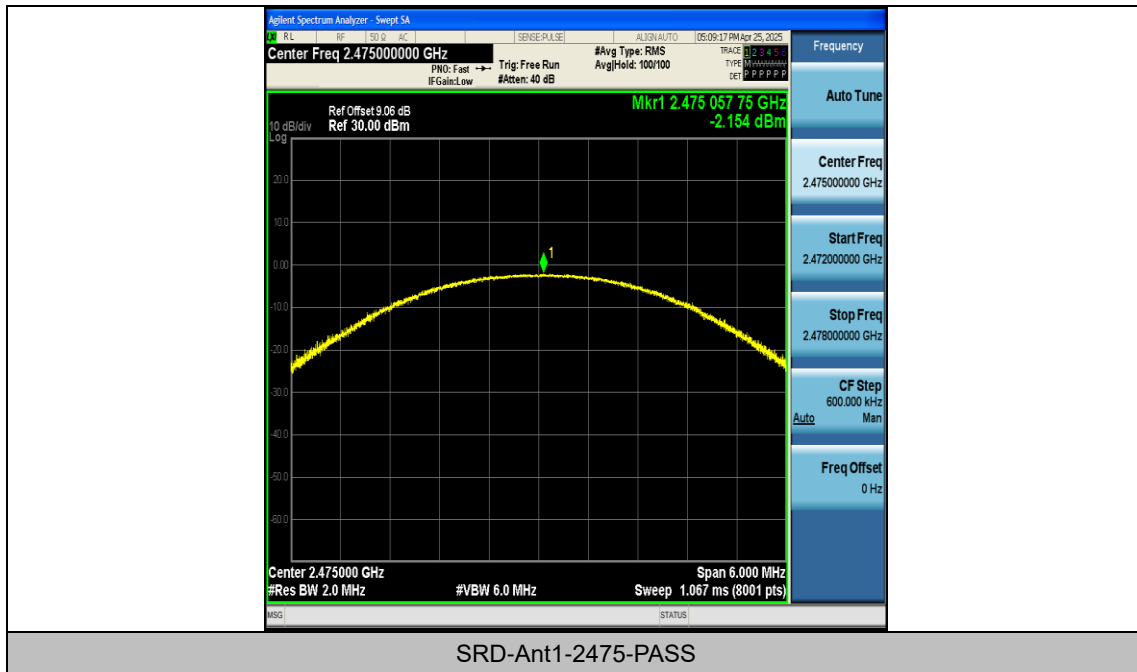
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2405	-2.53	≤30	PASS
SRD	Ant1	2445	-1.86	≤30	PASS
SRD	Ant1	2475	-2.15	≤30	PASS

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

Test Graphs Peak





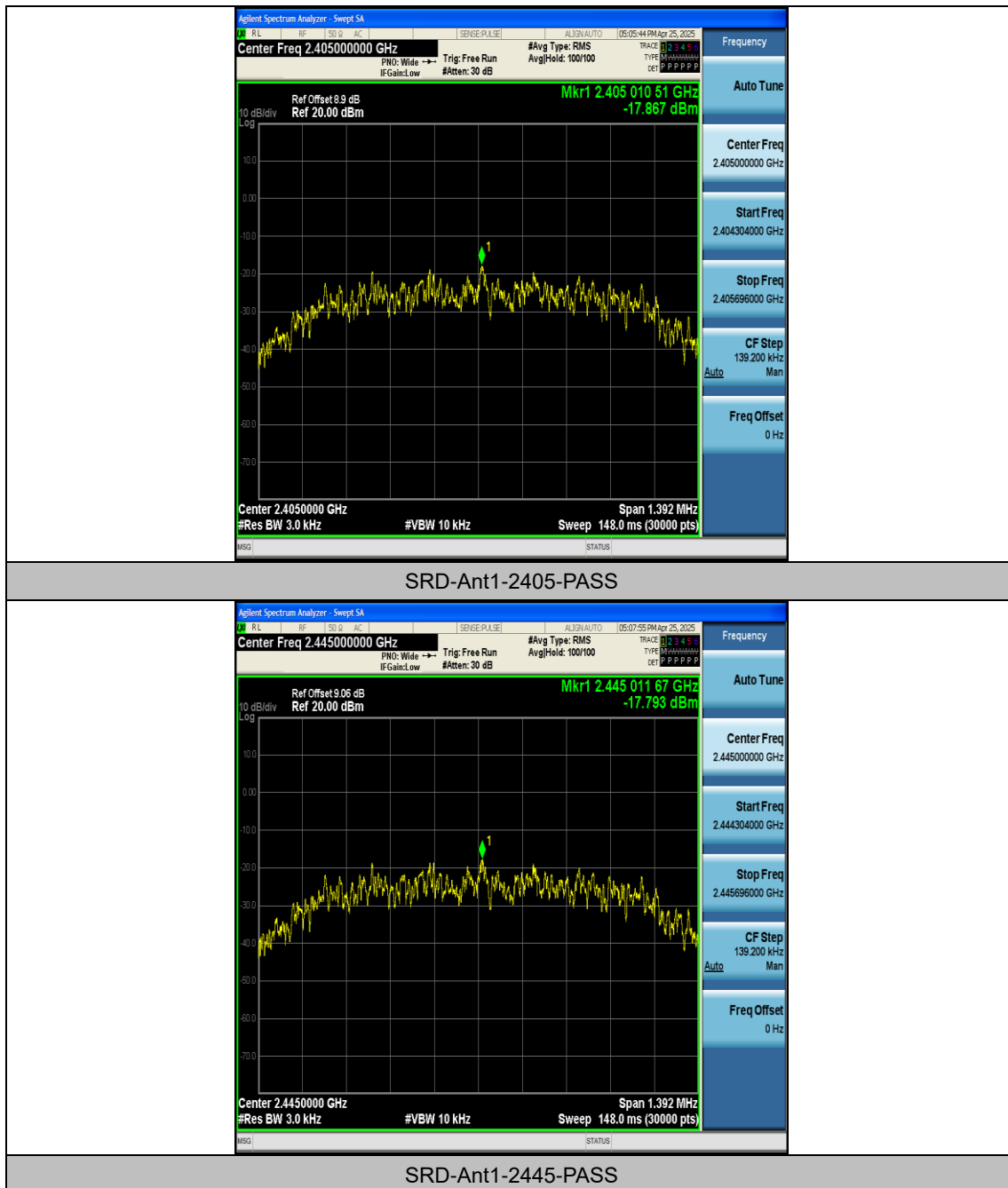
Appendix D: Maximum peak power spectral density

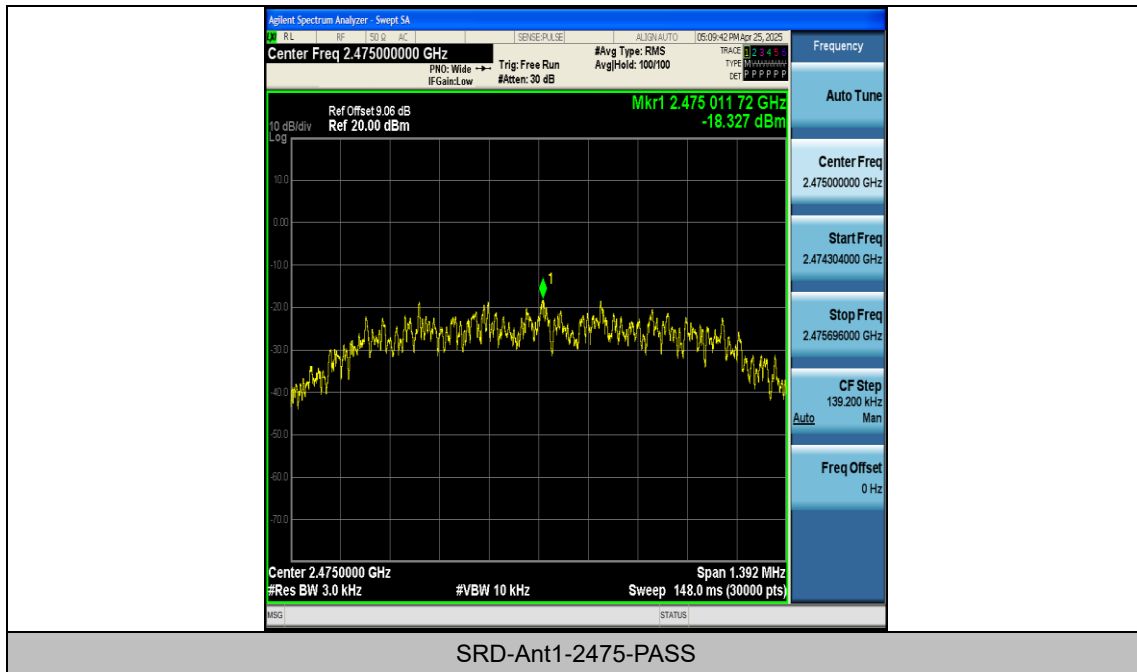
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2405	-17.87	≤8.00	PASS
SRD	Ant1	2445	-17.79	≤8.00	PASS
SRD	Ant1	2475	-18.33	≤8.00	PASS

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

Test Graphs





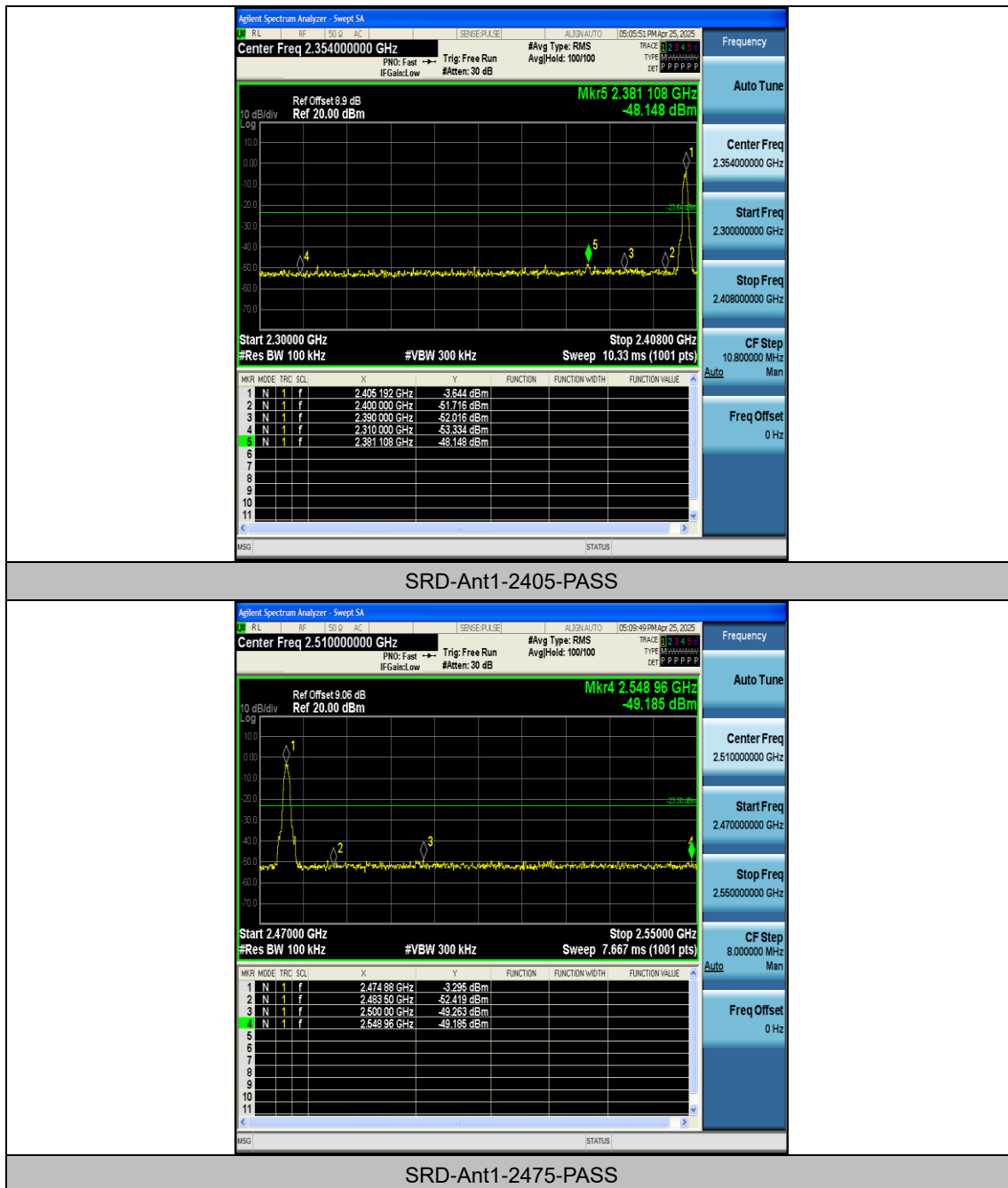
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2405	-3.64	-48.15	≤ -23.64	PASS
SRD	Ant1	High	2475	-3.30	-49.19	≤ -23.3	PASS

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

Test Graphs



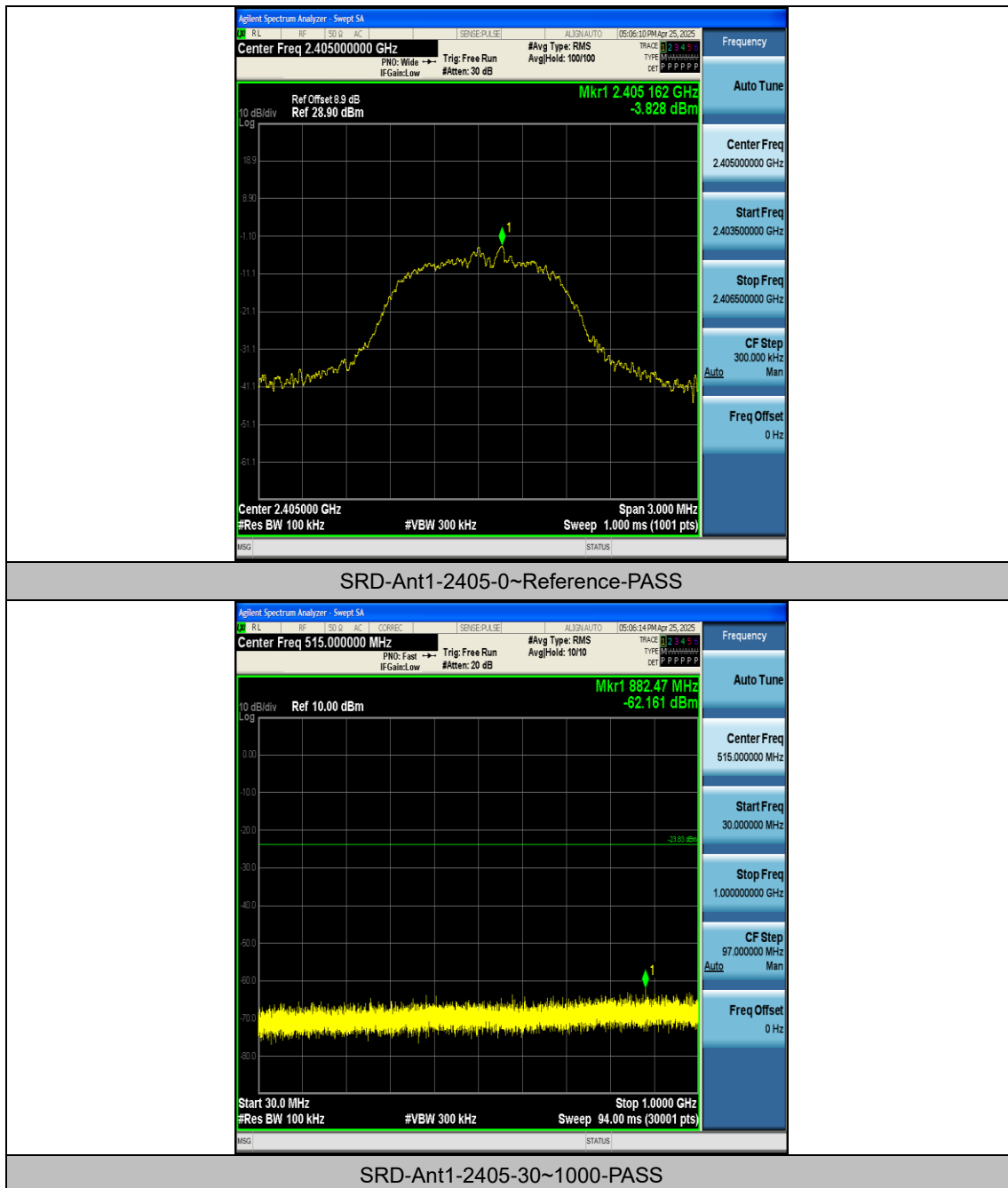
Appendix F: Conducted Spurious Emission

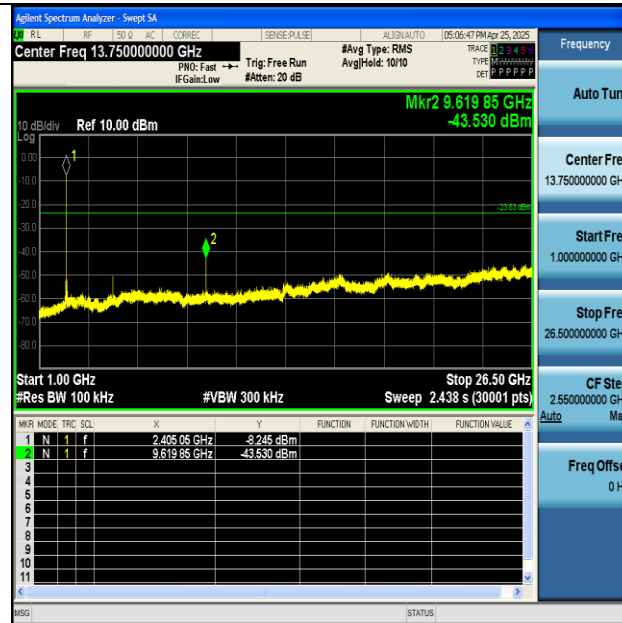
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2405	0~Reference	-3.83	-3.83	---	PASS
SRD	Ant1	2405	30~1000	-3.83	-62.16	≤-23.83	PASS
SRD	Ant1	2405	1000~26500	-3.83	-43.53	≤-23.83	PASS
SRD	Ant1	2445	0~Reference	-3.07	-3.07	---	PASS
SRD	Ant1	2445	30~1000	-3.07	-62.38	≤-23.07	PASS
SRD	Ant1	2445	1000~26500	-3.07	-43.52	≤-23.07	PASS
SRD	Ant1	2475	0~Reference	-3.33	-3.33	---	PASS
SRD	Ant1	2475	30~1000	-3.33	-62.88	≤-23.33	PASS
SRD	Ant1	2475	1000~26500	-3.33	-44.83	≤-23.33	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





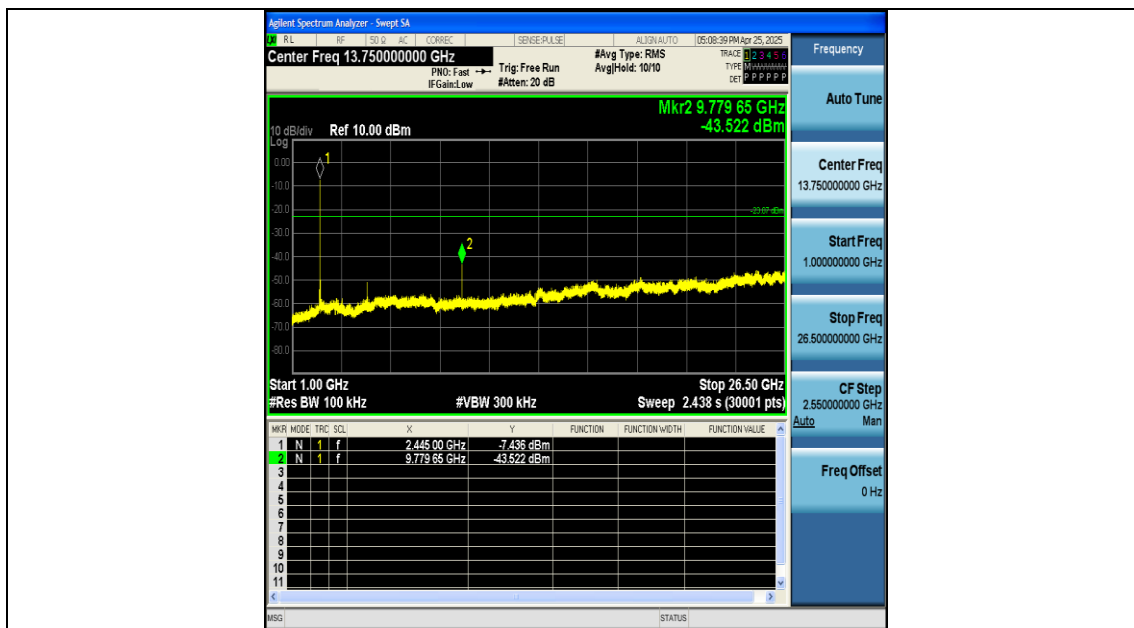
SRD-Ant1-2405-1000~26500-PASS



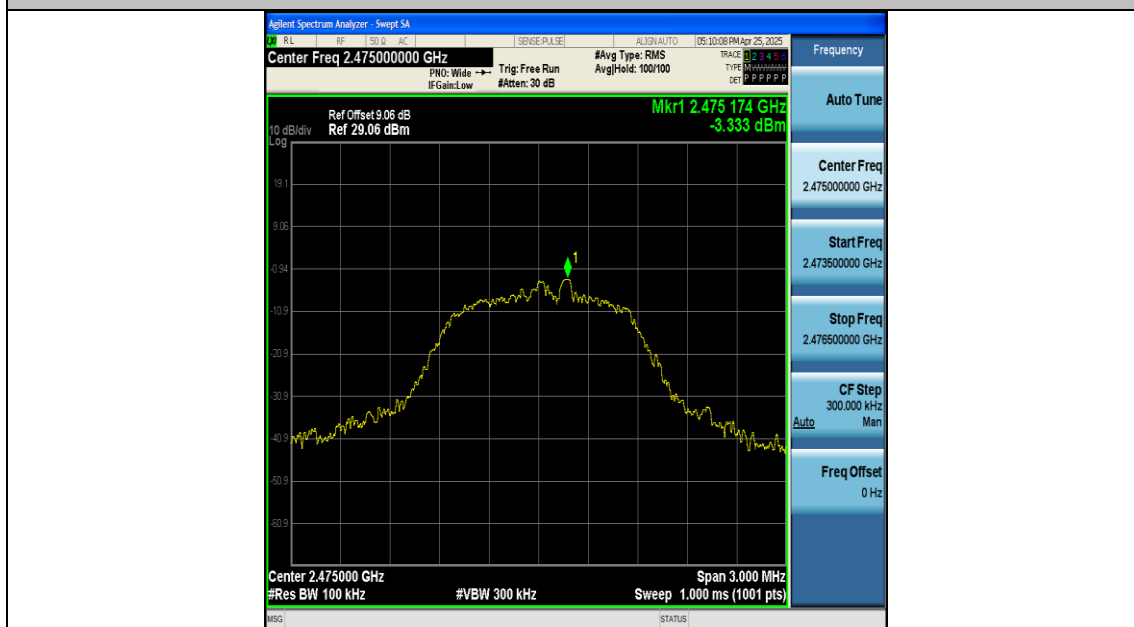
SRD-Ant1-2445-0~Reference-PASS



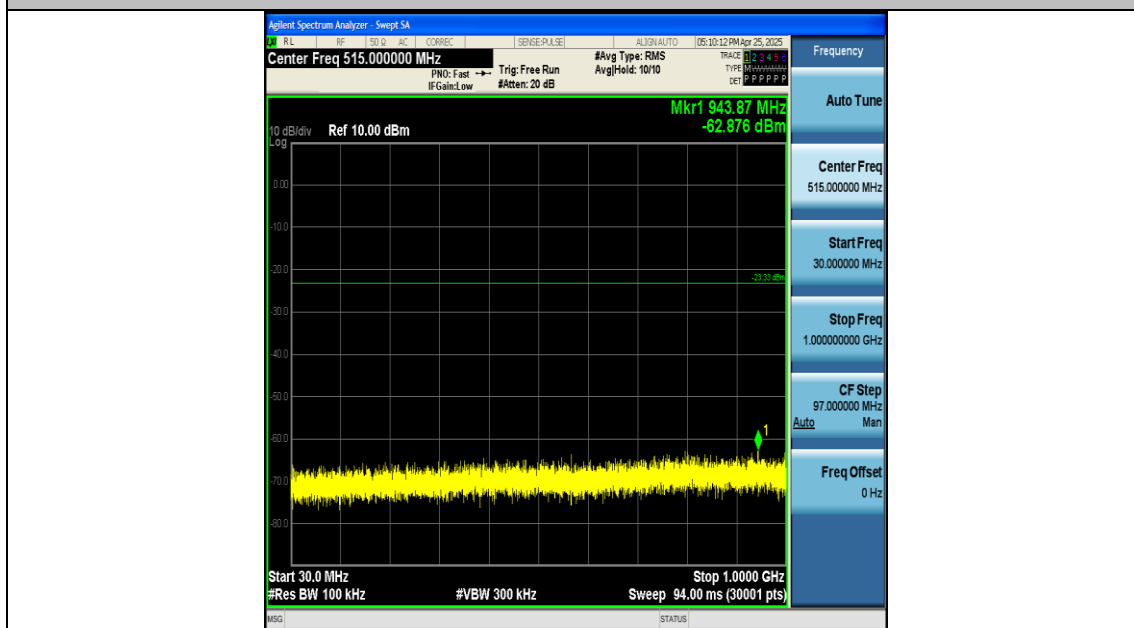
SRD-Ant1-2445-30~1000-PASS



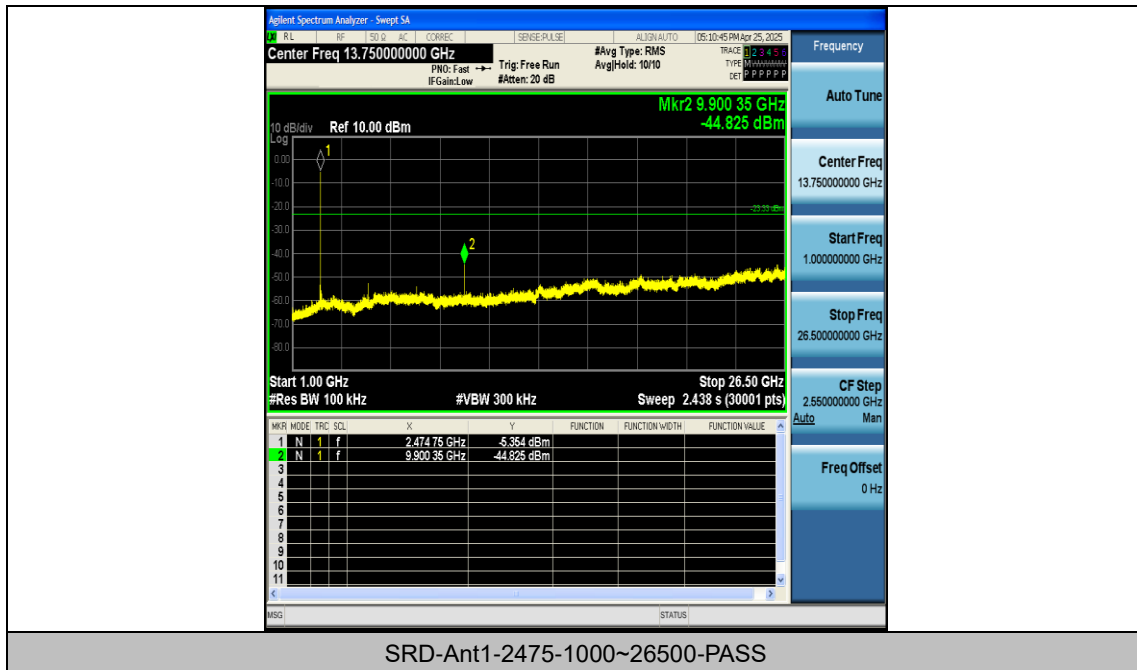
SRD-Ant1-2445-1000~26500-PASS



SRD-Ant1-2475-0~Reference-PASS



SRD-Ant1-2475-30~1000-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	2405	2.89	3.75	77.07	1.13
SRD	Ant1	2445	2.90	3.75	77.33	1.12
SRD	Ant1	2475	2.89	3.75	77.07	1.13

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

Test Graphs

