

Appendix Test Data for SRD (Conducted Measurement)

Product Name: RC DRONE

Trade Mark: /

Test Model: X36B

FCC ID: QV7-GC88752-107

Environmental Conditions

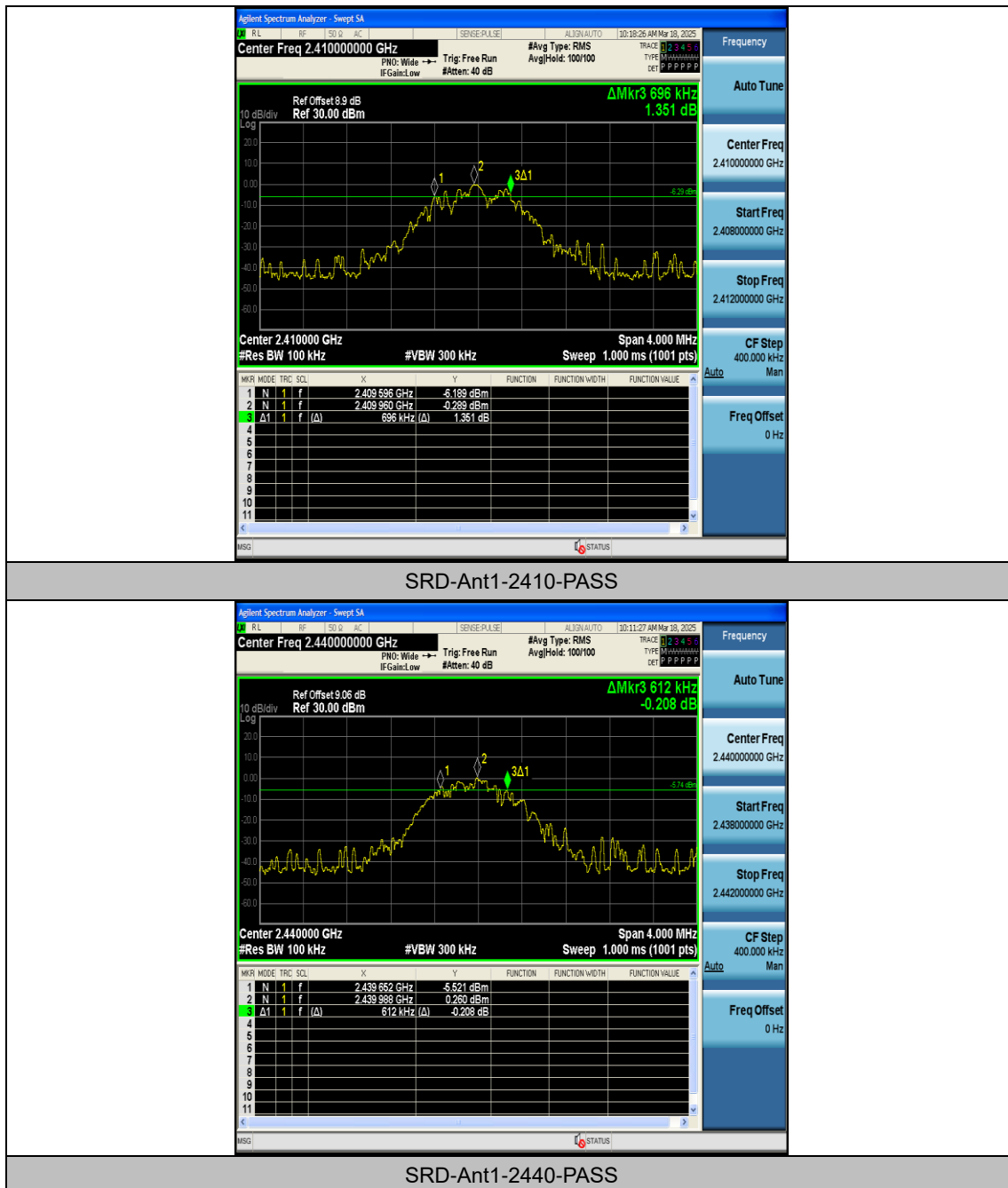
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2410	0.696	2409.596	2410.292	0.5	PASS
SRD	Ant1	2440	0.612	2439.652	2440.264	0.5	PASS
SRD	Ant1	2470	0.616	2469.640	2470.256	0.5	PASS

Test Graphs



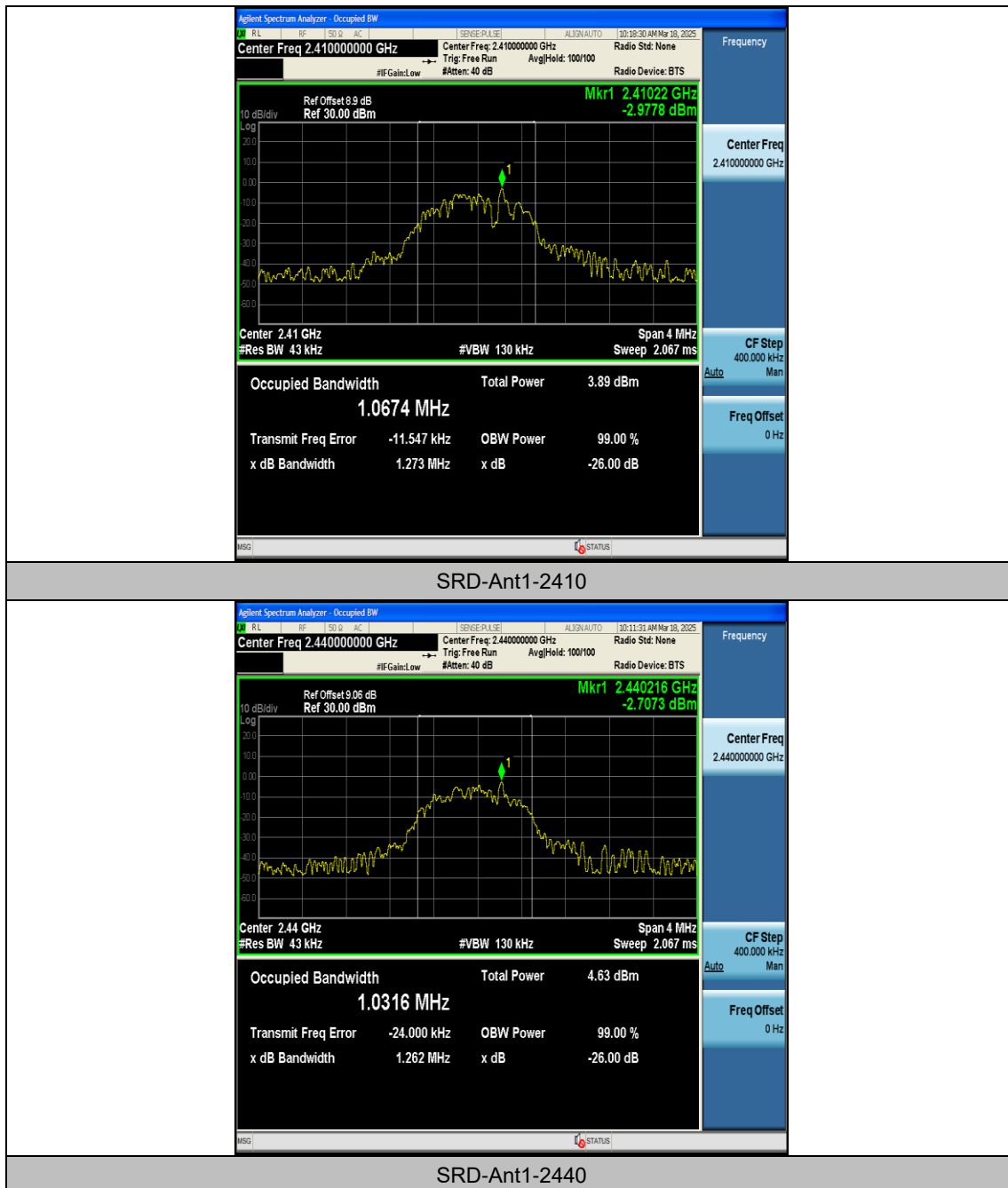


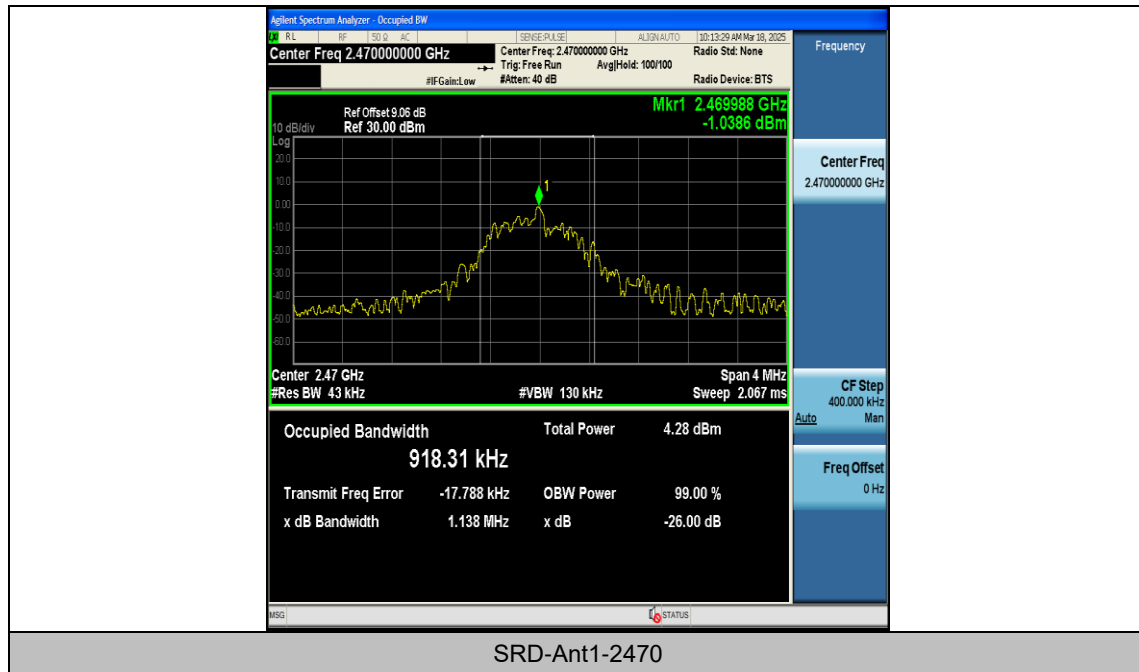
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2410	1.0674	2409.4548	2410.5222	---	---
SRD	Ant1	2440	1.0316	2439.4602	2440.4918	---	---
SRD	Ant1	2470	0.91831	2469.5231	2470.4414	---	---

Test Graphs



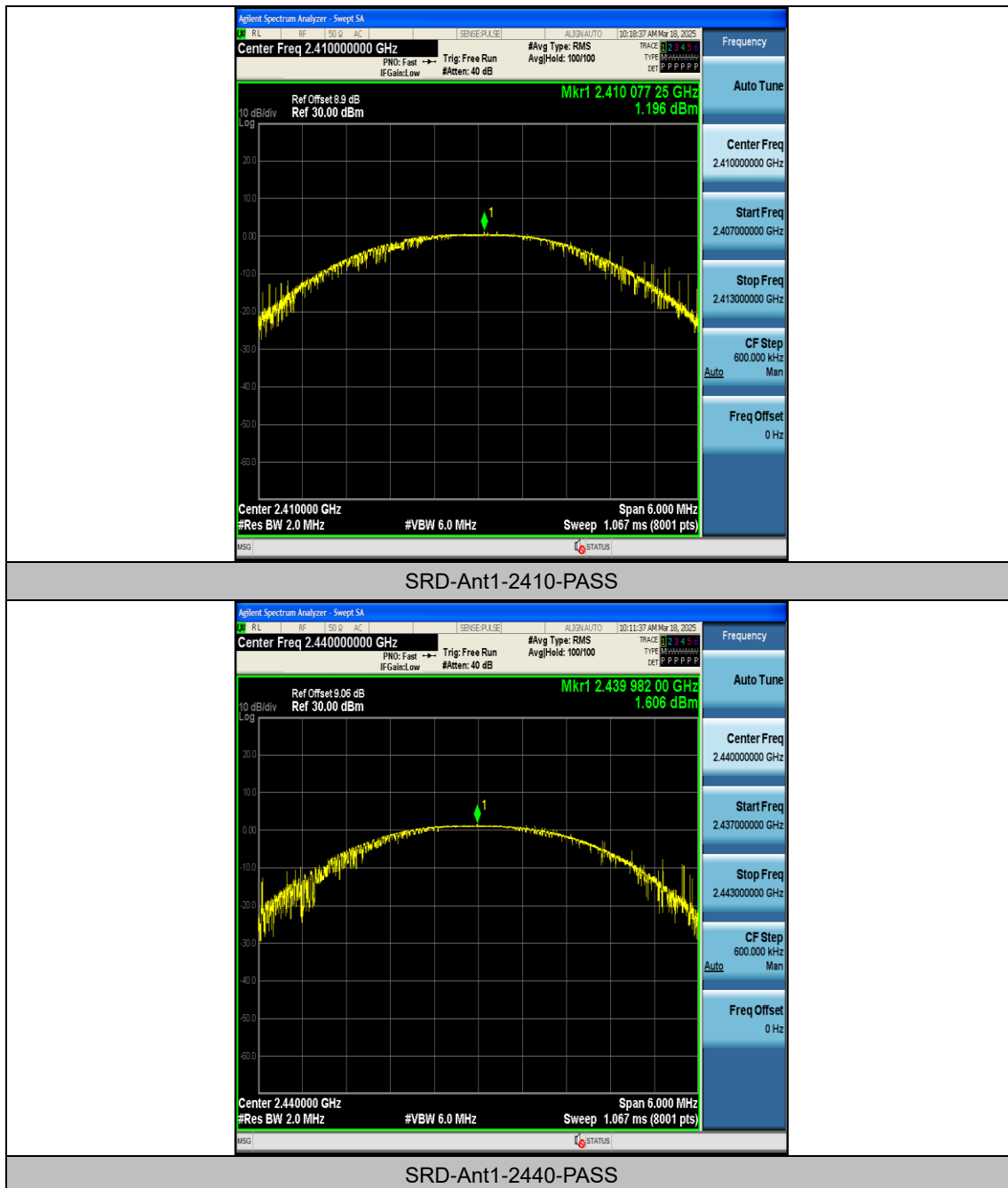


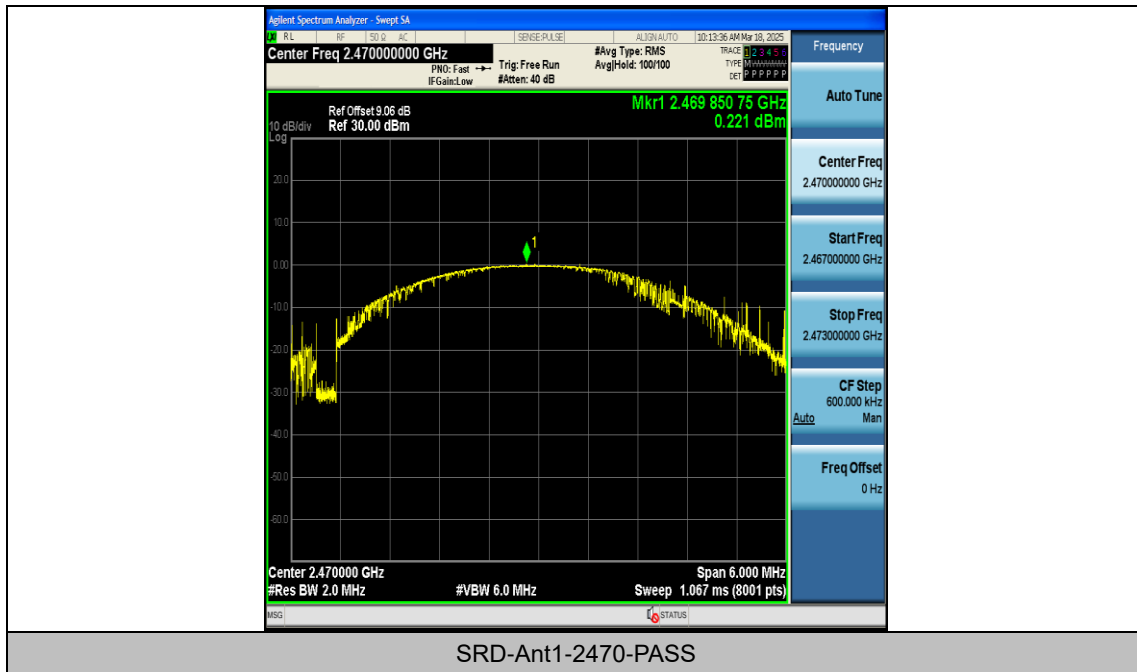
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2410	1.20	≤30	PASS
SRD	Ant1	2440	1.61	≤30	PASS
SRD	Ant1	2470	0.22	≤30	PASS

Test Graphs Peak



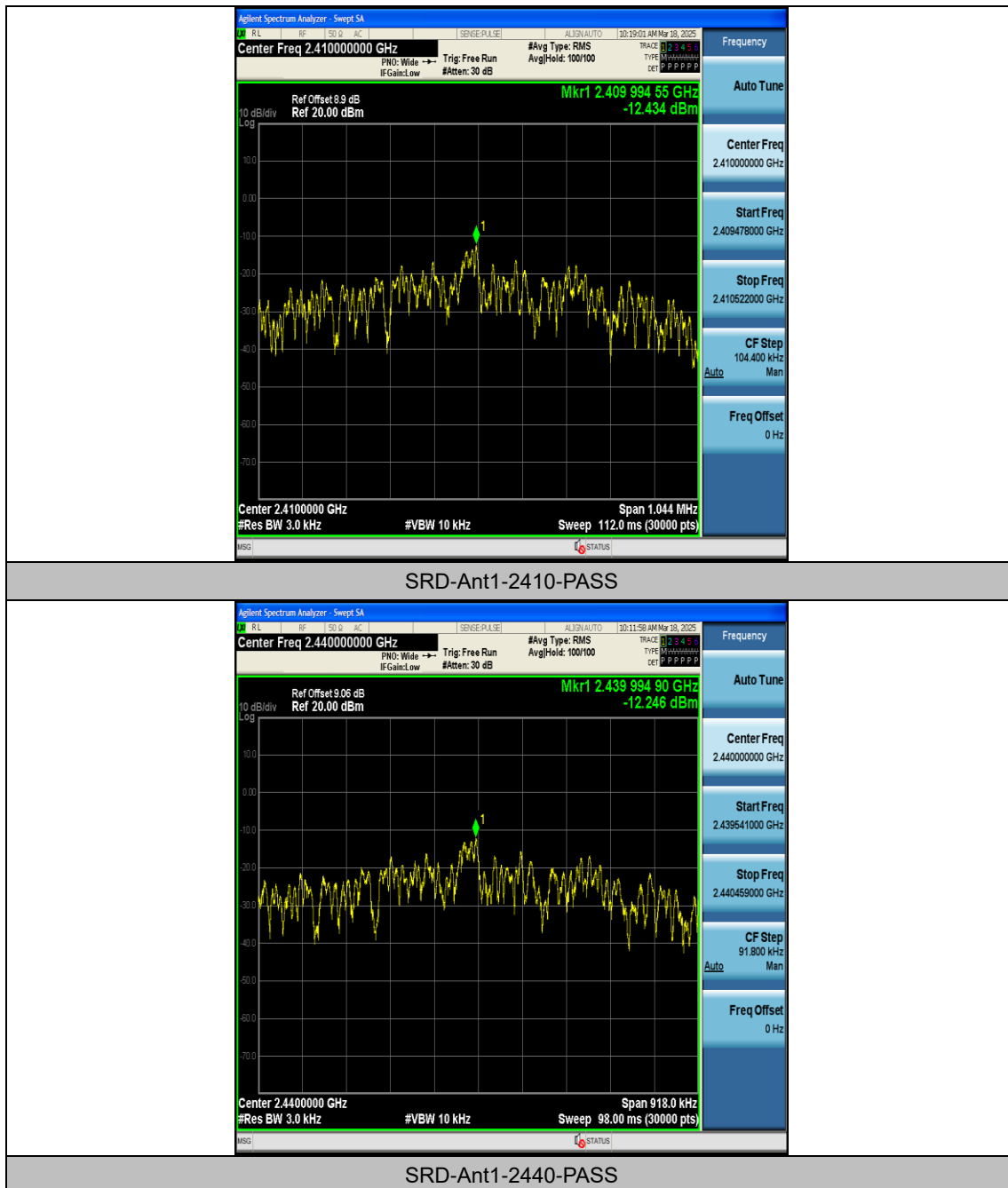


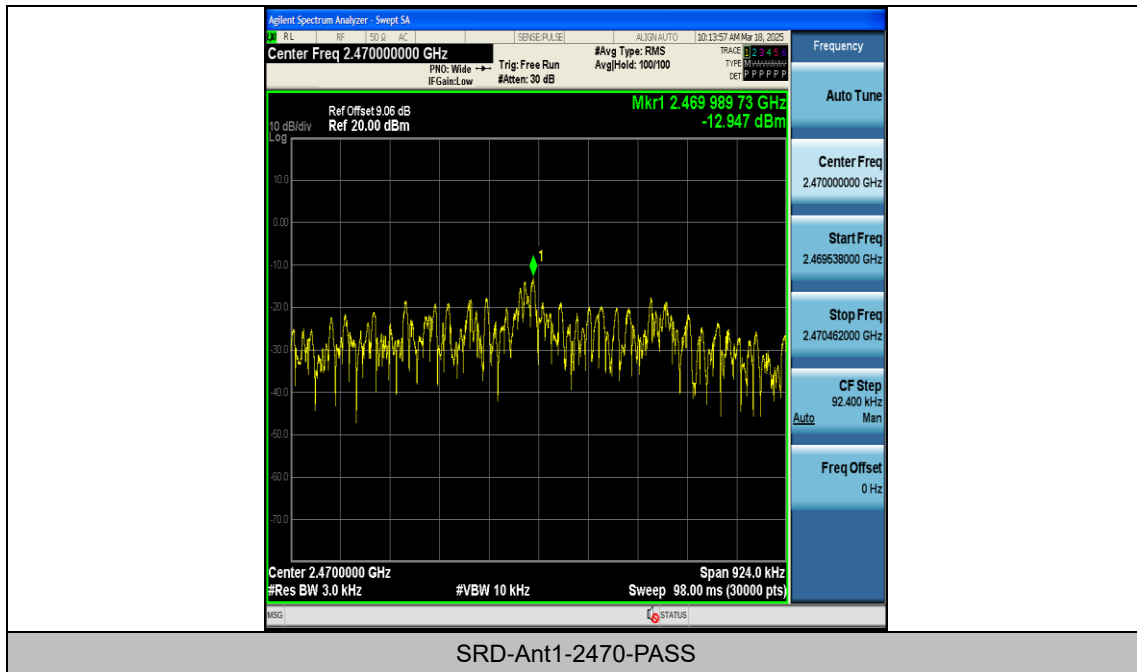
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2410	-12.43	≤8.00	PASS
SRD	Ant1	2440	-12.25	≤8.00	PASS
SRD	Ant1	2470	-12.95	≤8.00	PASS

Test Graphs



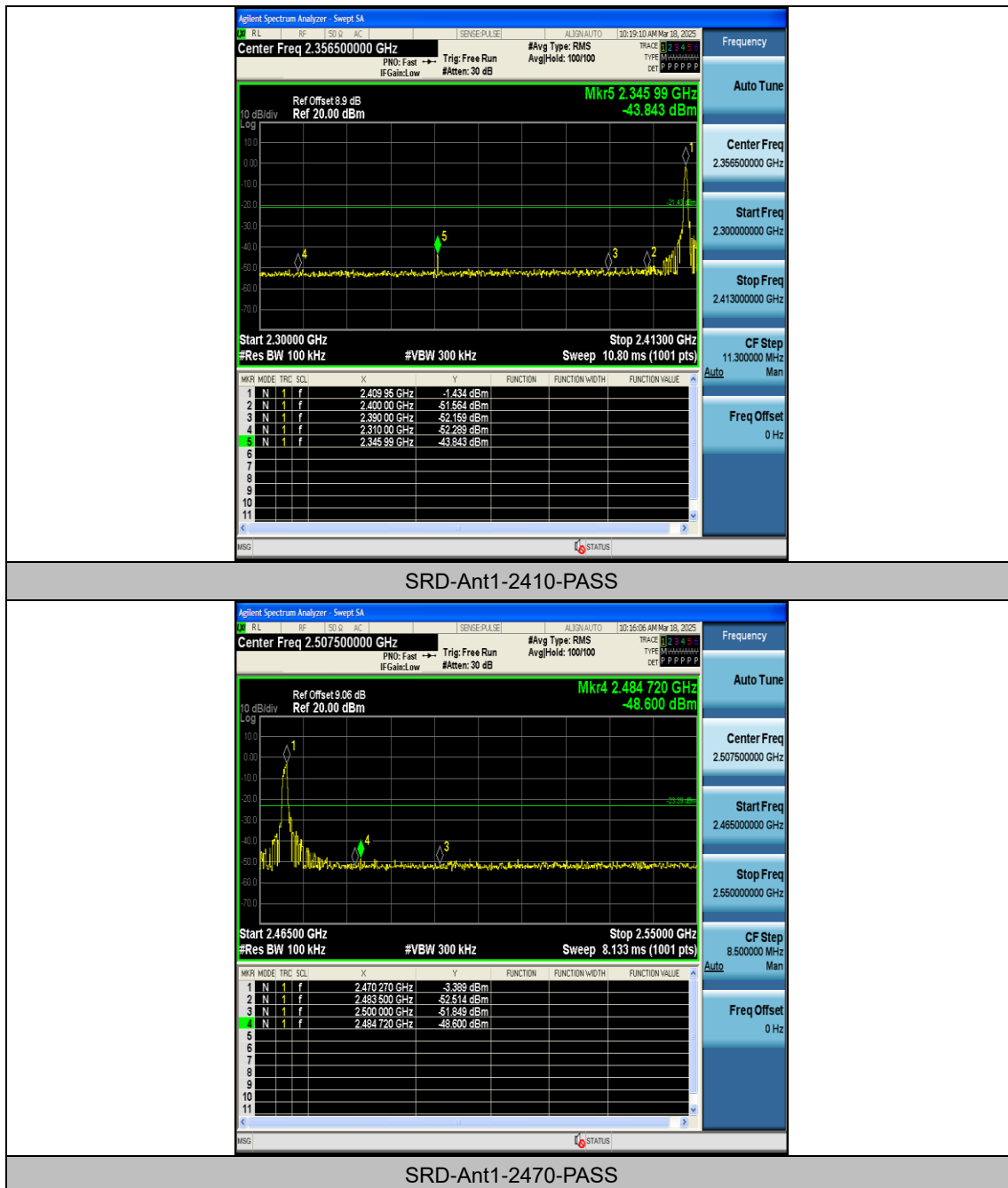


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2410	-1.43	-43.84	≤-21.43	PASS
SRD	Ant1	High	2470	-3.39	-48.6	≤-23.39	PASS

Test Graphs

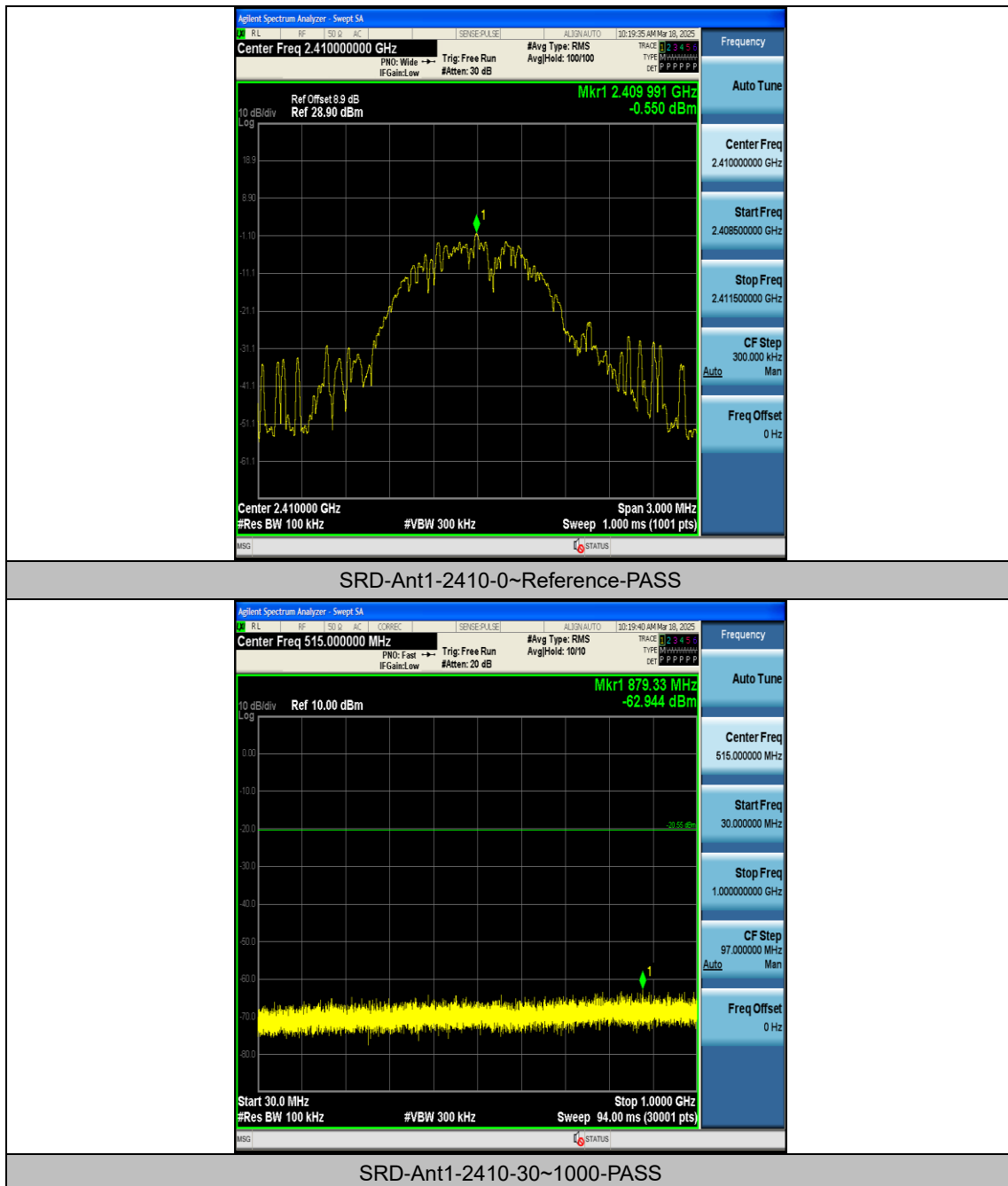


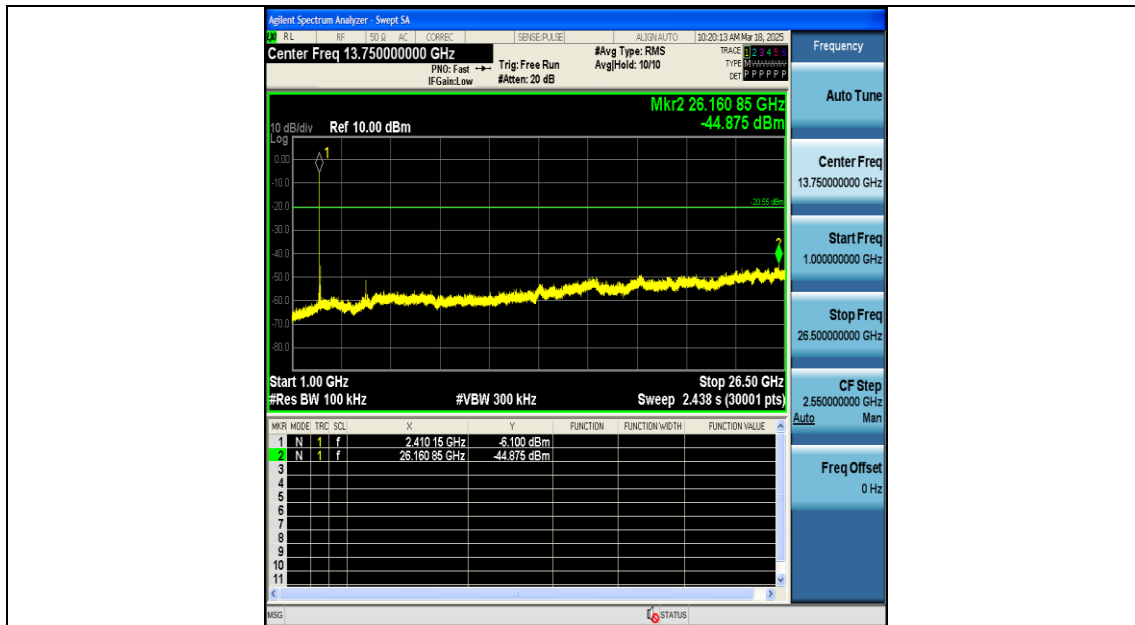
Appendix F: Conducted Spurious Emission

Test Result

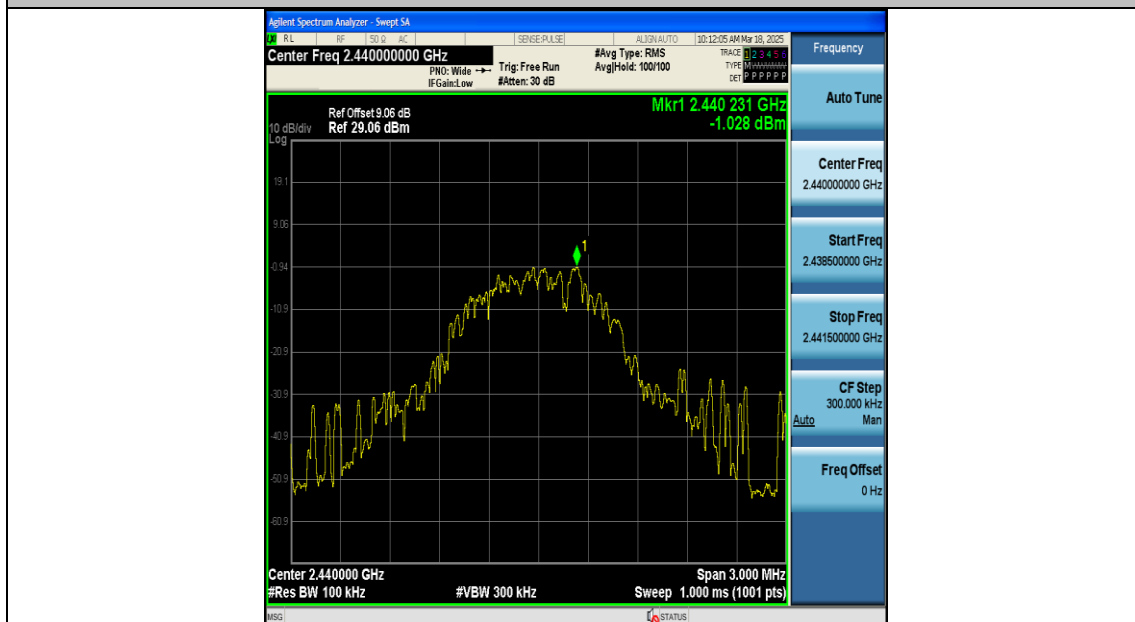
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2410	0~Reference	-0.55	-0.55	---	PASS
SRD	Ant1	2410	30~1000	-0.55	-62.94	≤-20.55	PASS
SRD	Ant1	2410	1000~26500	-0.55	-44.88	≤-20.55	PASS
SRD	Ant1	2440	0~Reference	-1.03	-1.03	---	PASS
SRD	Ant1	2440	30~1000	-1.03	-62.69	≤-21.03	PASS
SRD	Ant1	2440	1000~26500	-1.03	-45.09	≤-21.03	PASS
SRD	Ant1	2470	0~Reference	-0.36	-0.36	---	PASS
SRD	Ant1	2470	30~1000	-0.36	-62.74	≤-20.36	PASS
SRD	Ant1	2470	1000~26500	-0.36	-45.44	≤-20.36	PASS

Test Graphs

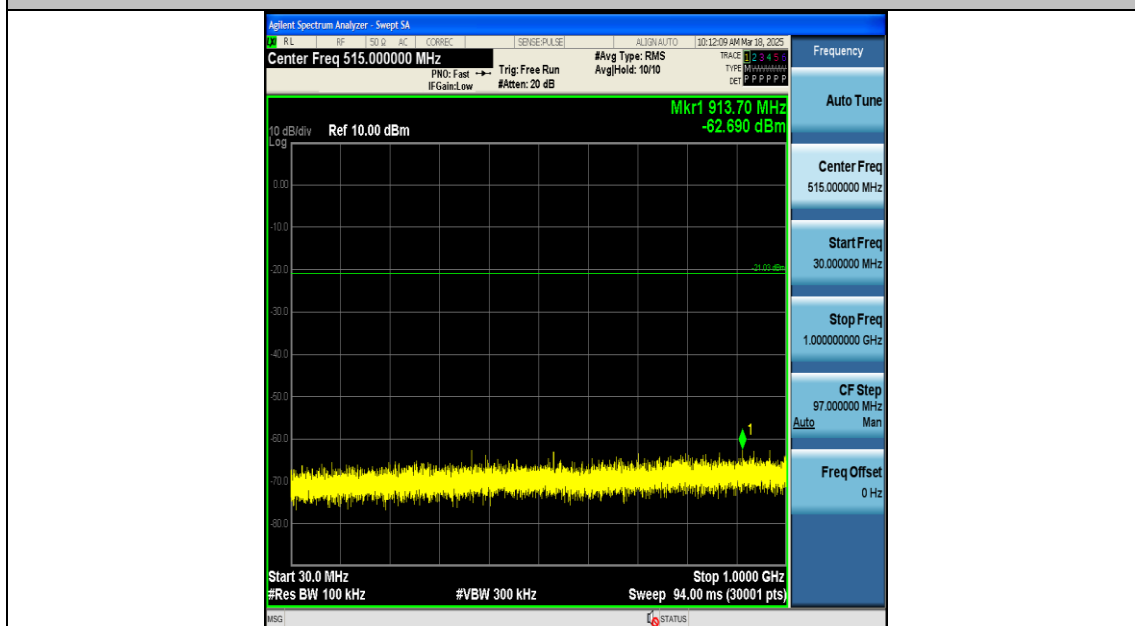




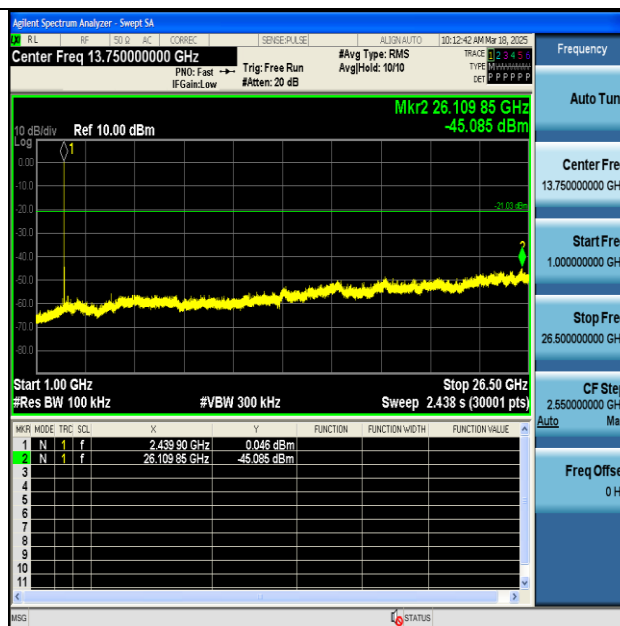
SRD-Ant1-2410-1000~26500-PASS



SRD-Ant1-2440-0~Reference-PASS



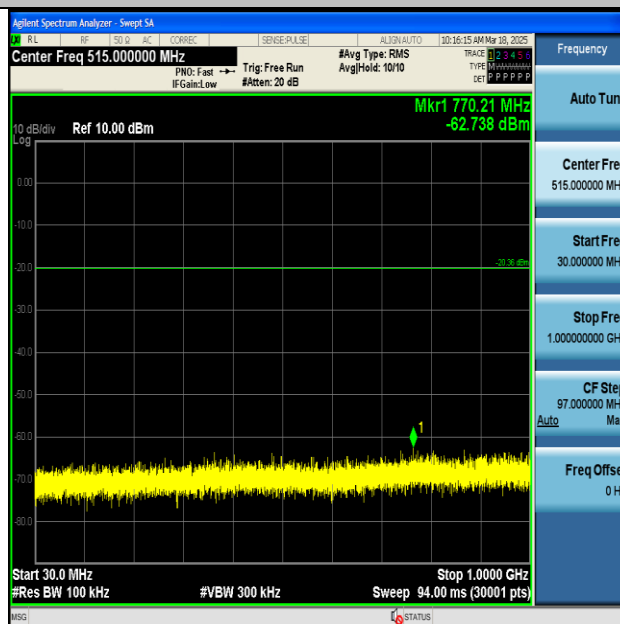
SRD-Ant1-2440-30~1000-PASS



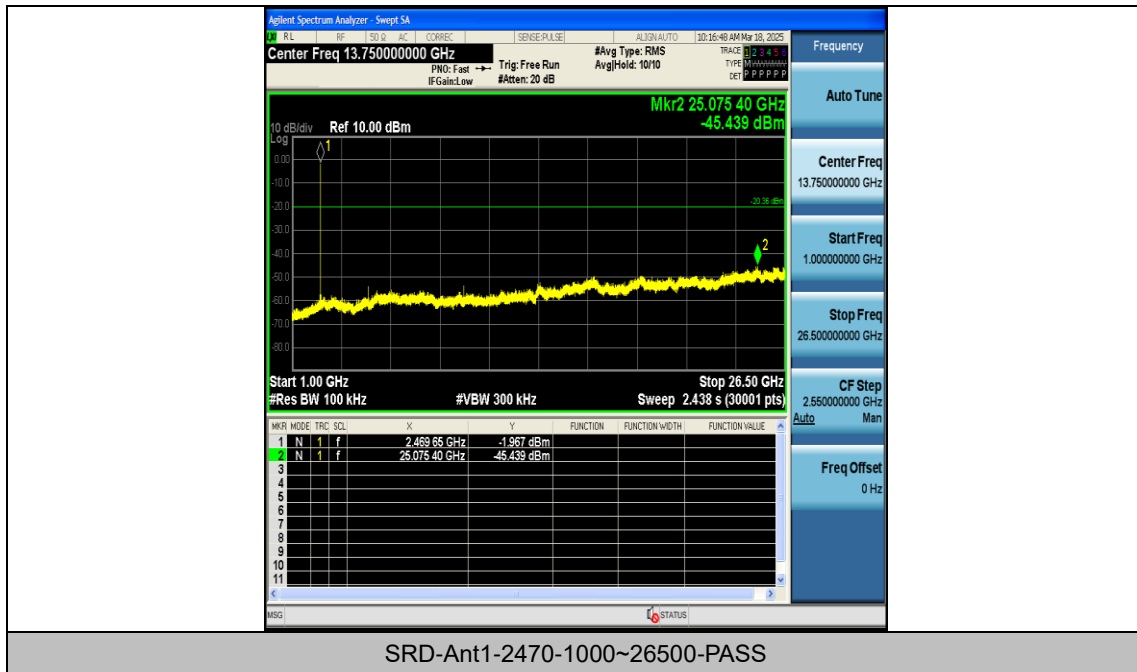
SRD-Ant1-2440-1000~26500-PASS



SRD-Ant1-2470-0~Reference-PASS



SRD-Ant1-2470-30~1000-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	2410	0.21	4.02	5.22	12.82
SRD	Ant1	2440	0.22	4.00	5.50	12.60
SRD	Ant1	2470	0.21	3.99	5.26	12.79

Test Graphs

