

Appendix Test Data for SRD (Conducted Measurement)

Product Name: Doughnut bubble machine

Trade Mark: /

Test Model: BS863

FCC ID: 2BNK6-BS863

Environmental Conditions

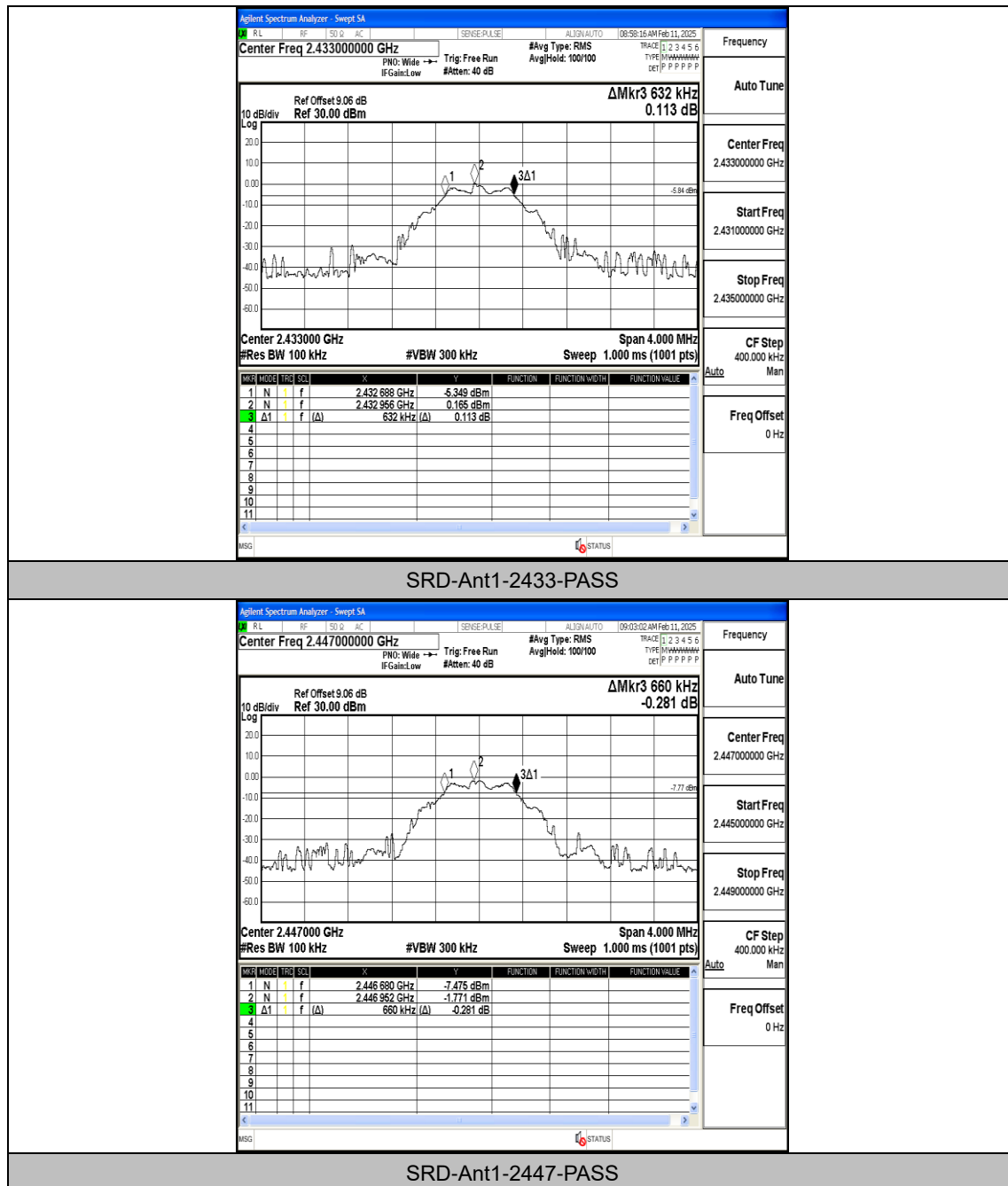
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

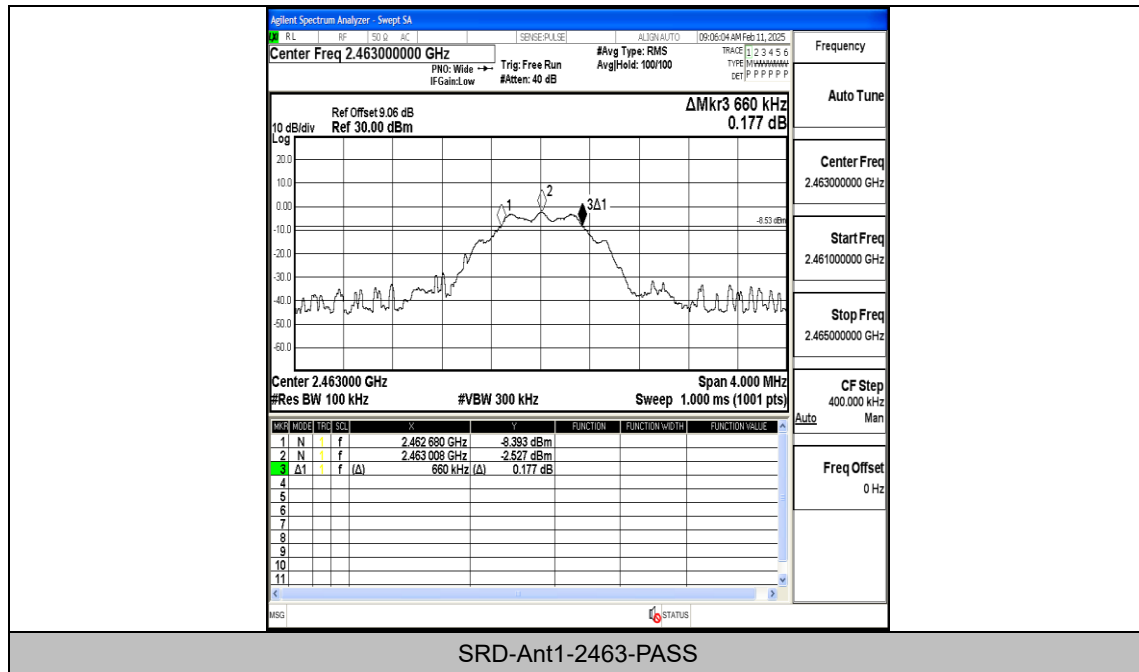
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2433	0.632	2432.688	2433.320	0.5	PASS
SRD	Ant1	2447	0.660	2446.680	2447.340	0.5	PASS
SRD	Ant1	2463	0.660	2462.680	2463.340	0.5	PASS

Test Graphs



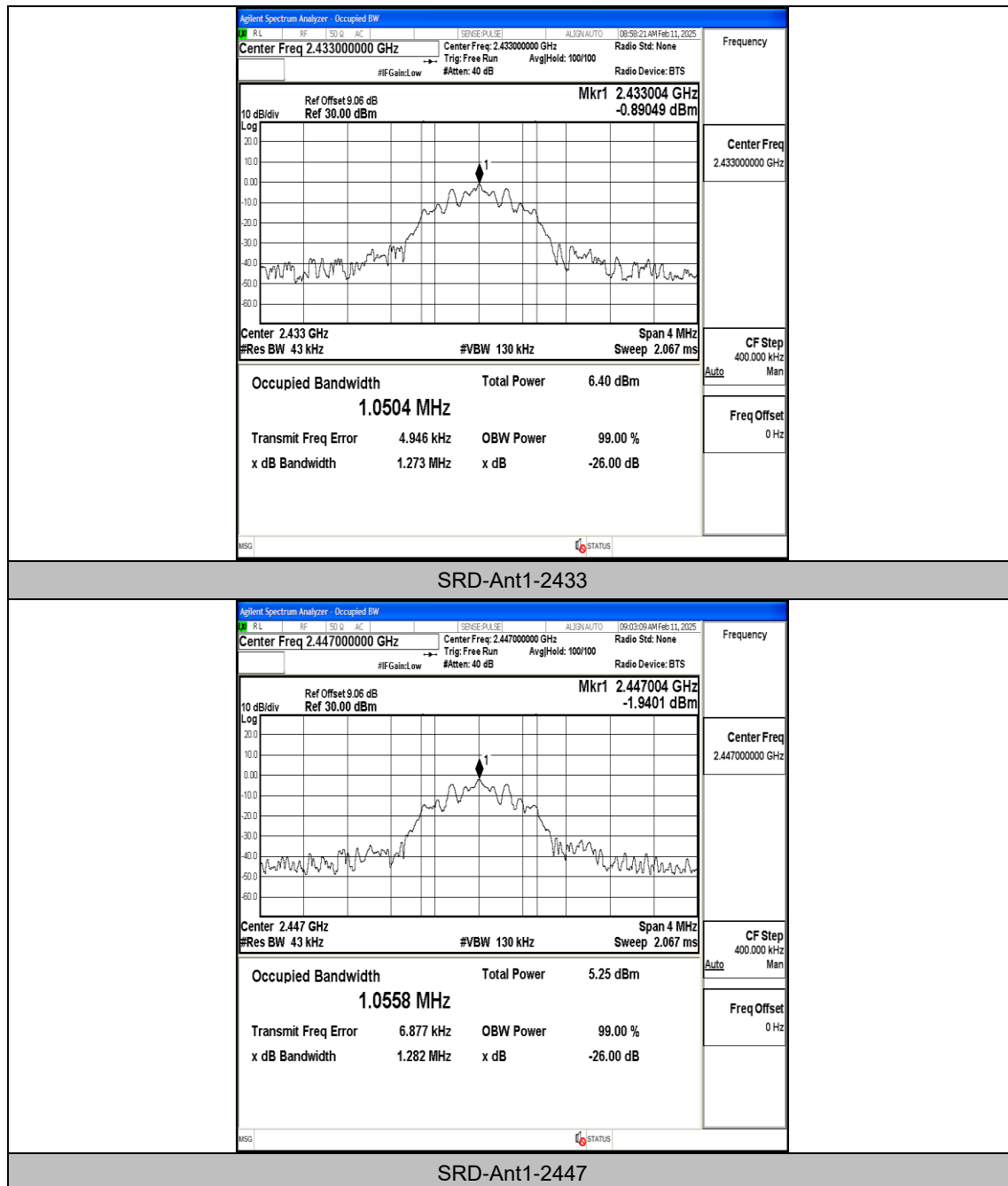


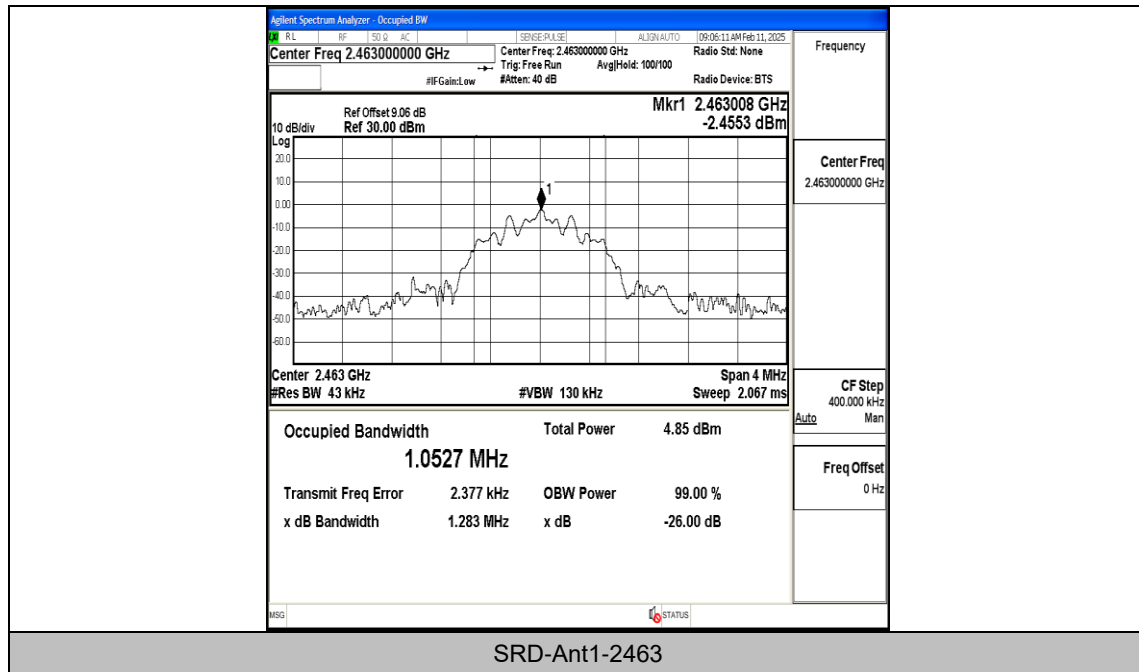
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2433	1.0504	2432.4798	2433.5302	---	---
SRD	Ant1	2447	1.0558	2446.4790	2447.5348	---	---
SRD	Ant1	2463	1.0527	2462.4760	2463.5287	---	---

Test Graphs



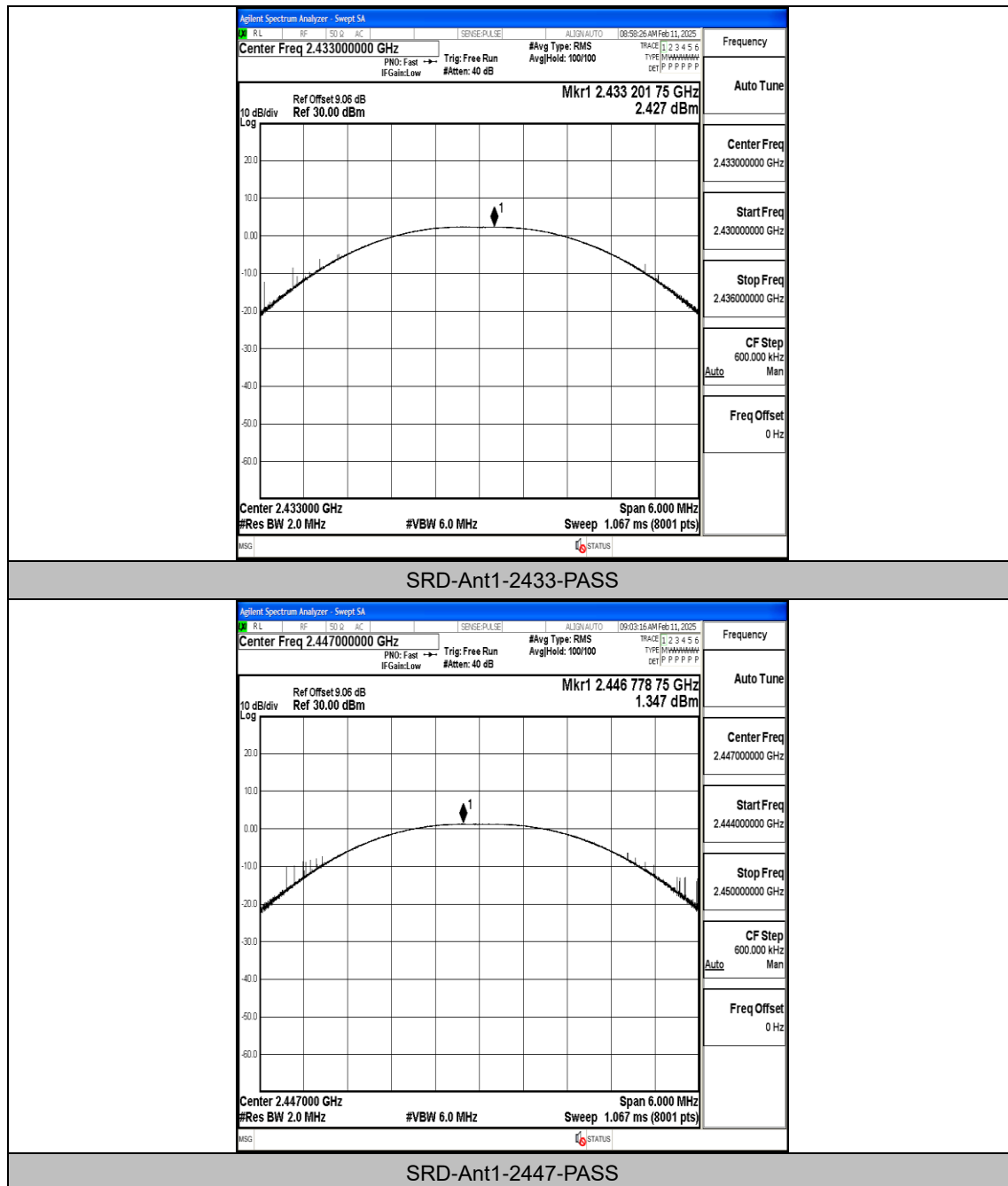


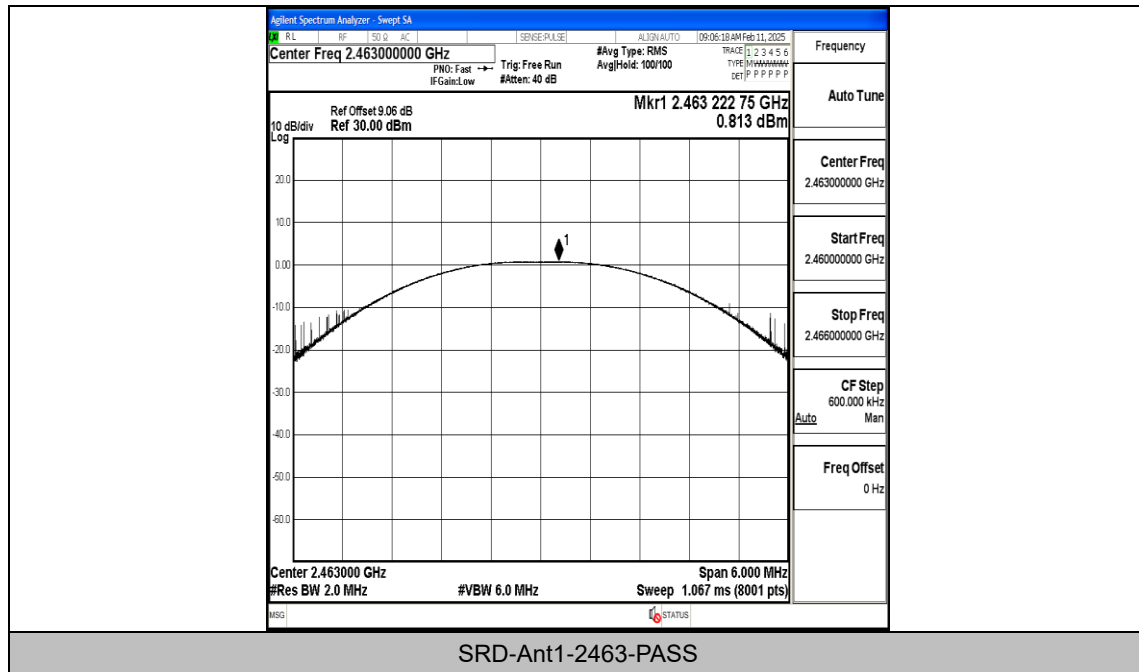
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2433	2.43	≤30	PASS
SRD	Ant1	2447	1.35	≤30	PASS
SRD	Ant1	2463	0.81	≤30	PASS

Test Graphs Peak



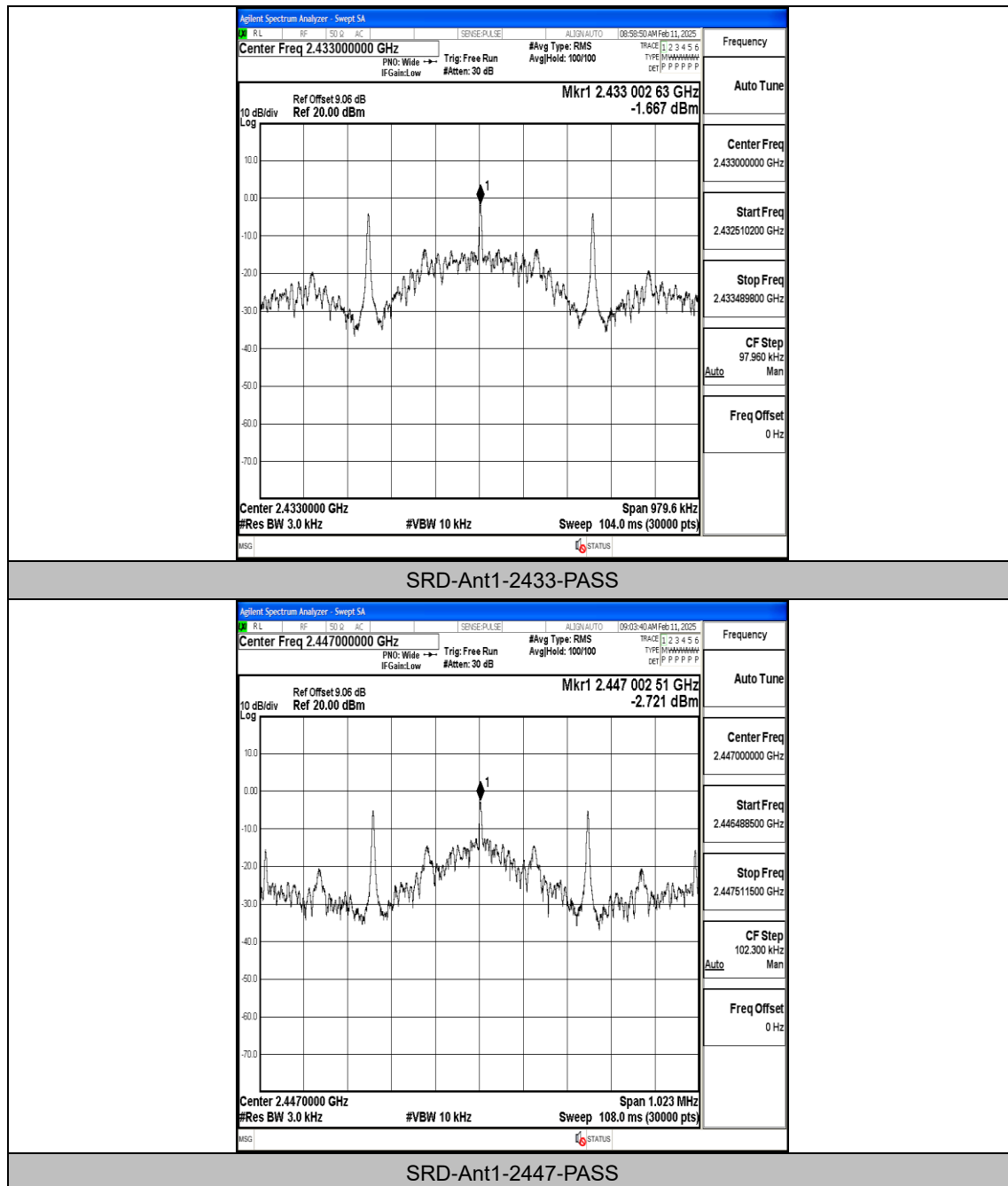


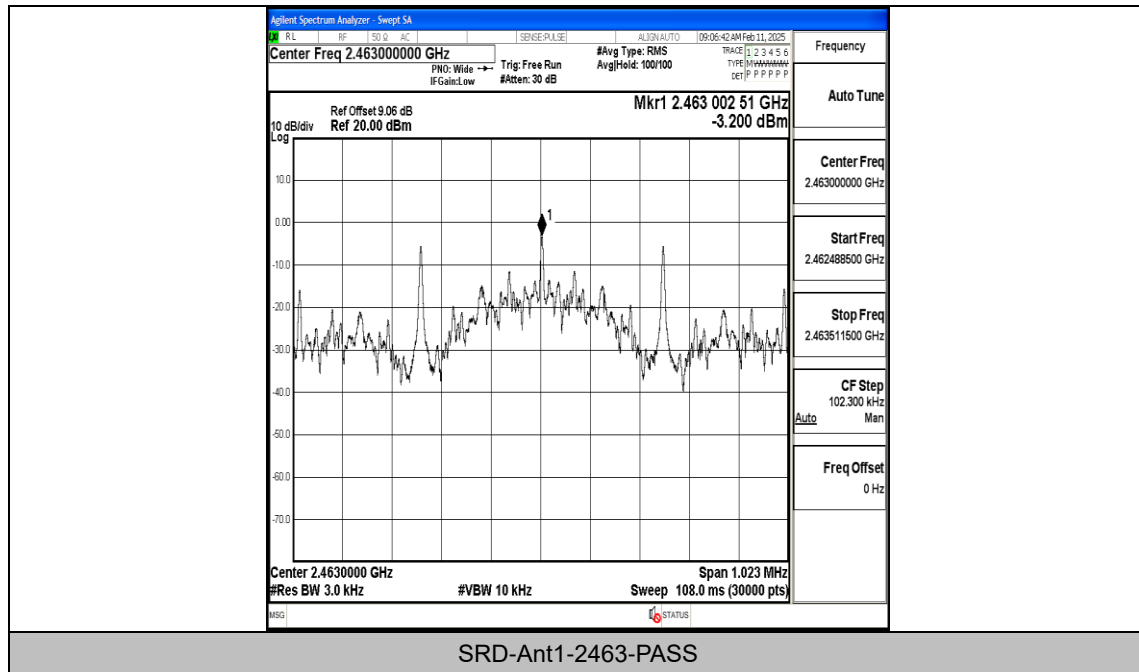
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2433	-1.67	≤8.00	PASS
SRD	Ant1	2447	-2.72	≤8.00	PASS
SRD	Ant1	2463	-3.20	≤8.00	PASS

Test Graphs



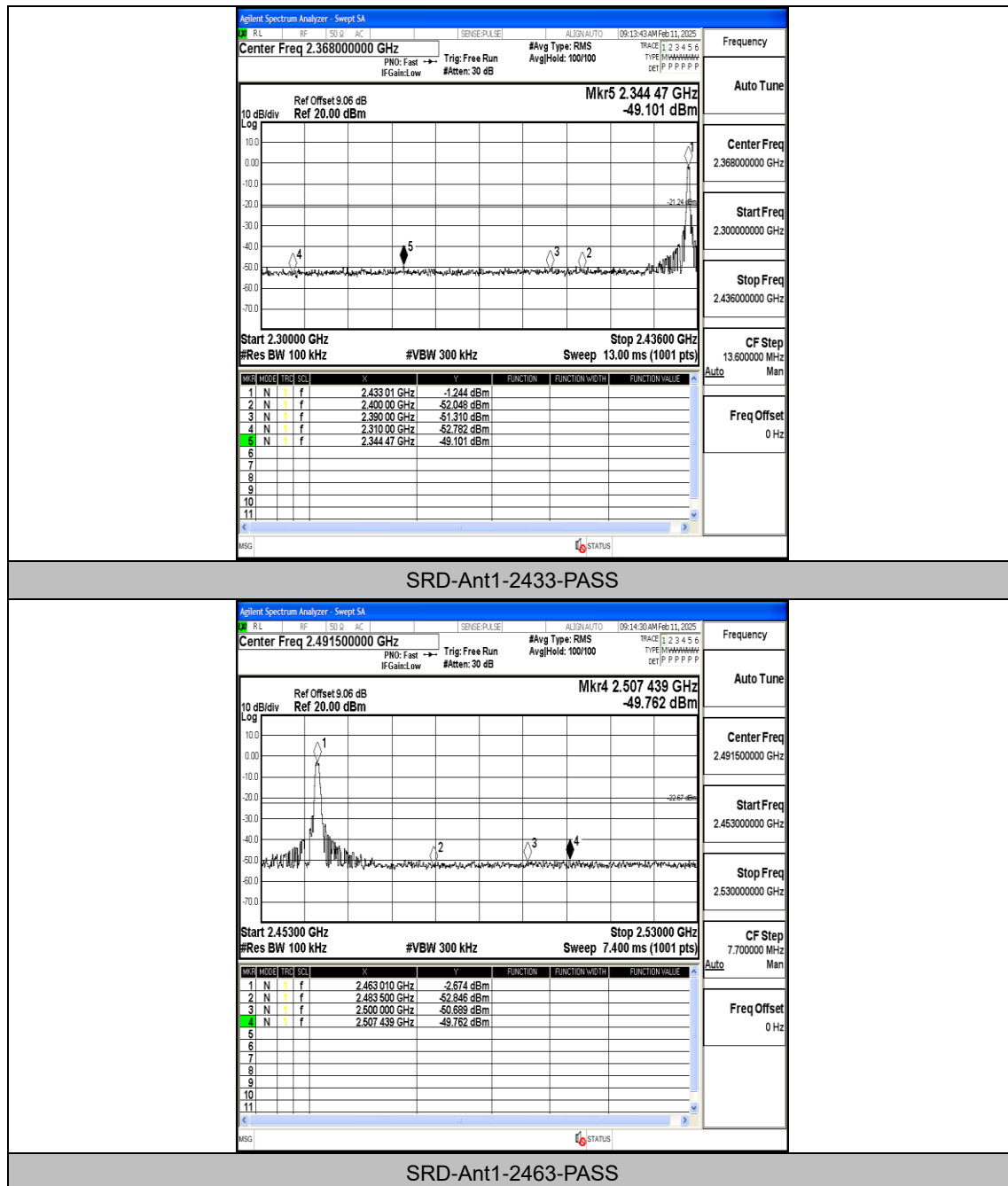


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2433	-1.24	-49.1	≤ -21.24	PASS
SRD	Ant1	High	2463	-2.67	-49.76	≤ -22.67	PASS

Test Graphs

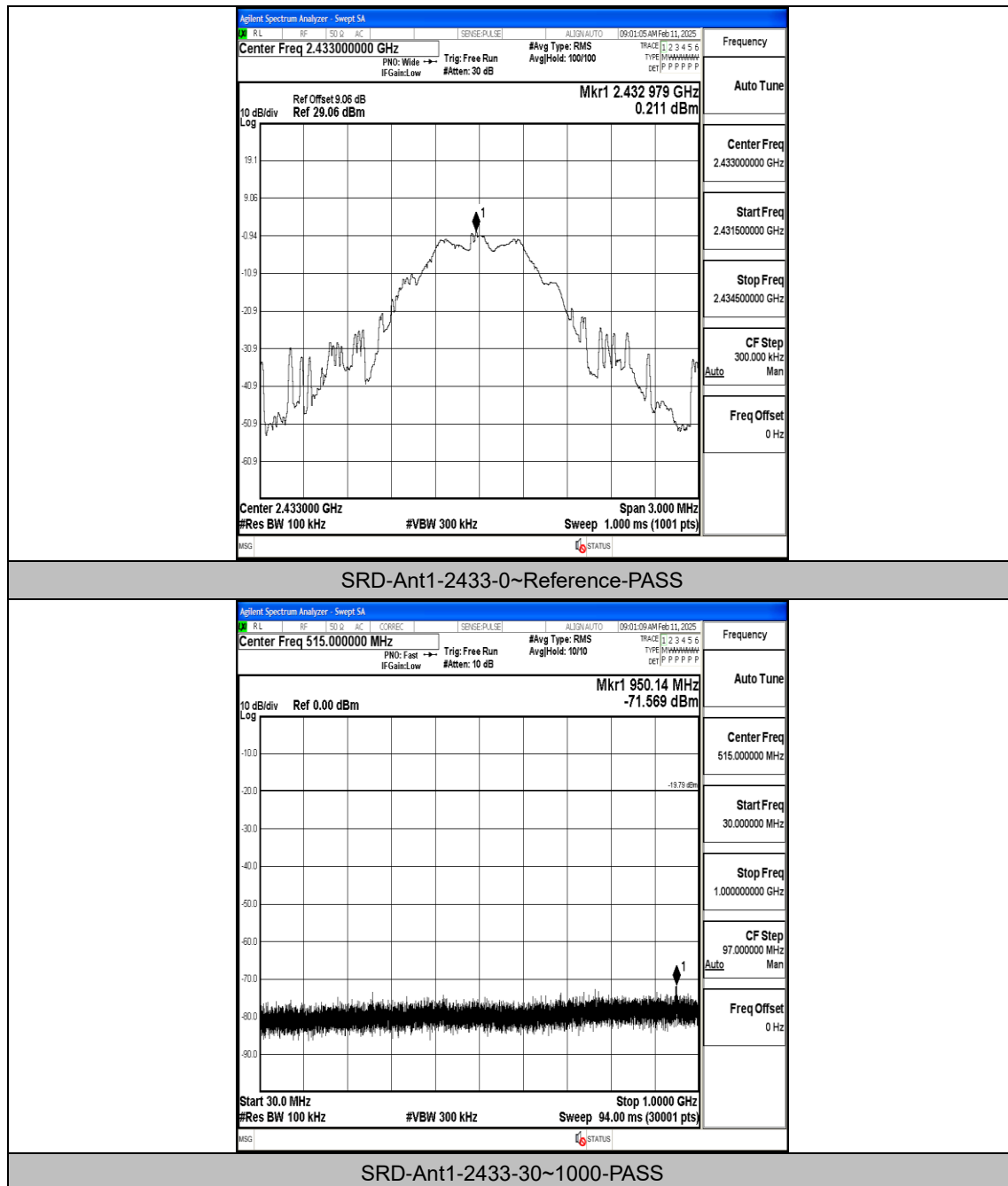


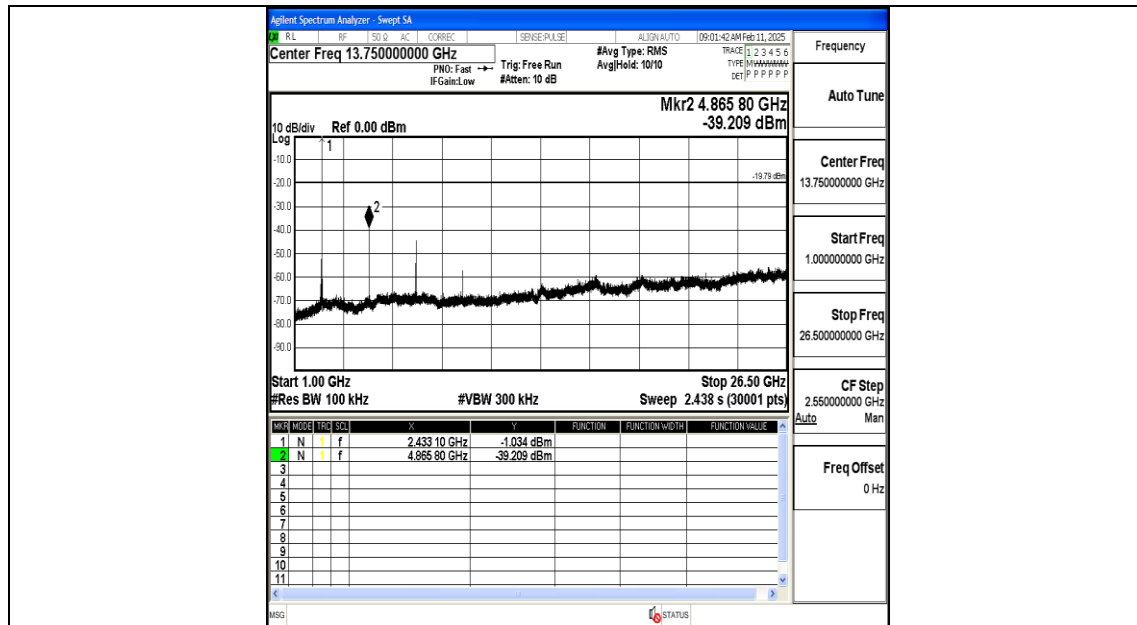
Appendix F: Conducted Spurious Emission

Test Result

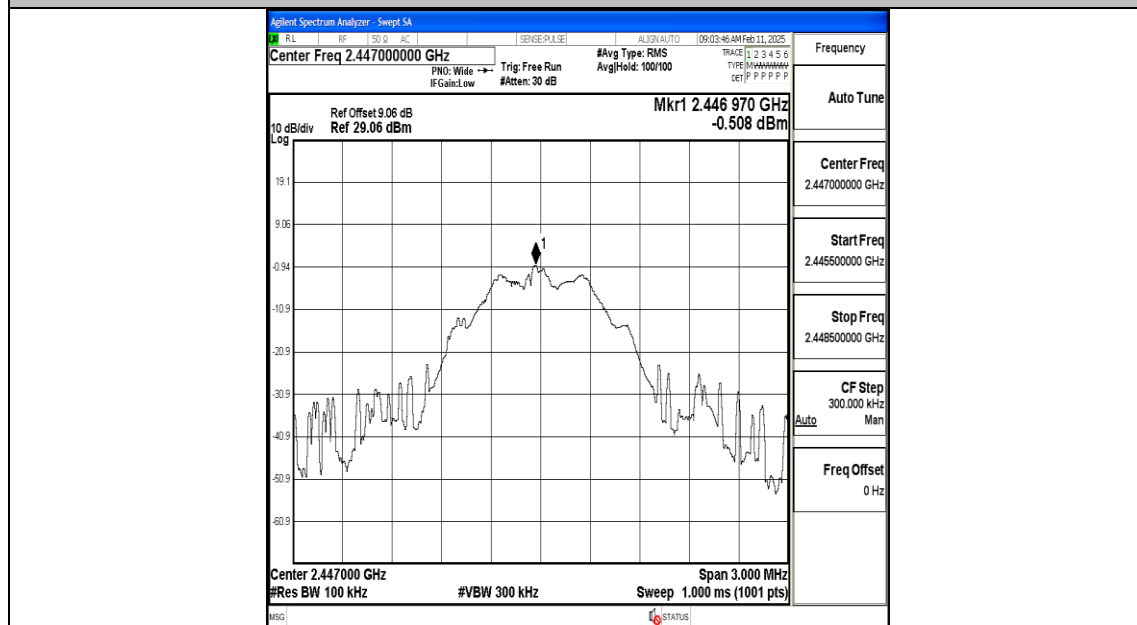
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2433	0~Reference	0.21	0.21	---	PASS
SRD	Ant1	2433	30~1000	0.21	-71.57	≤ -19.79	PASS
SRD	Ant1	2433	1000~26500	0.21	-39.21	≤ -19.79	PASS
SRD	Ant1	2447	0~Reference	-0.51	-0.51	---	PASS
SRD	Ant1	2447	30~1000	-0.51	-71.75	≤ -20.51	PASS
SRD	Ant1	2447	1000~26500	-0.51	-41.54	≤ -20.51	PASS
SRD	Ant1	2463	0~Reference	-1.46	-1.46	---	PASS
SRD	Ant1	2463	30~1000	-1.46	-71.09	≤ -21.46	PASS
SRD	Ant1	2463	1000~26500	-1.46	-40.98	≤ -21.46	PASS

Test Graphs

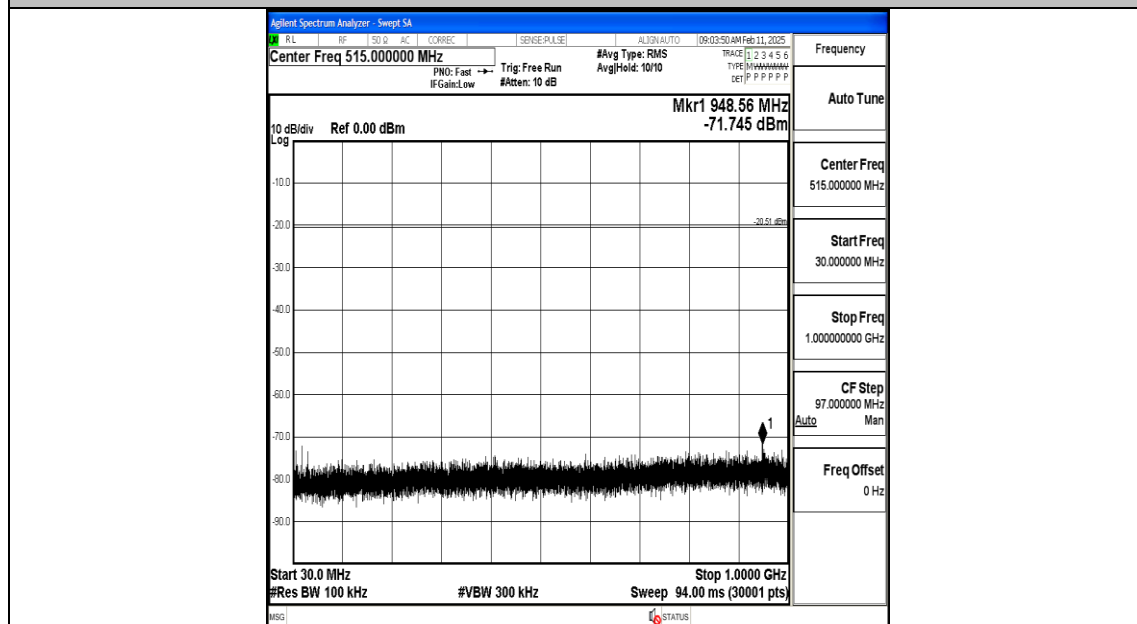




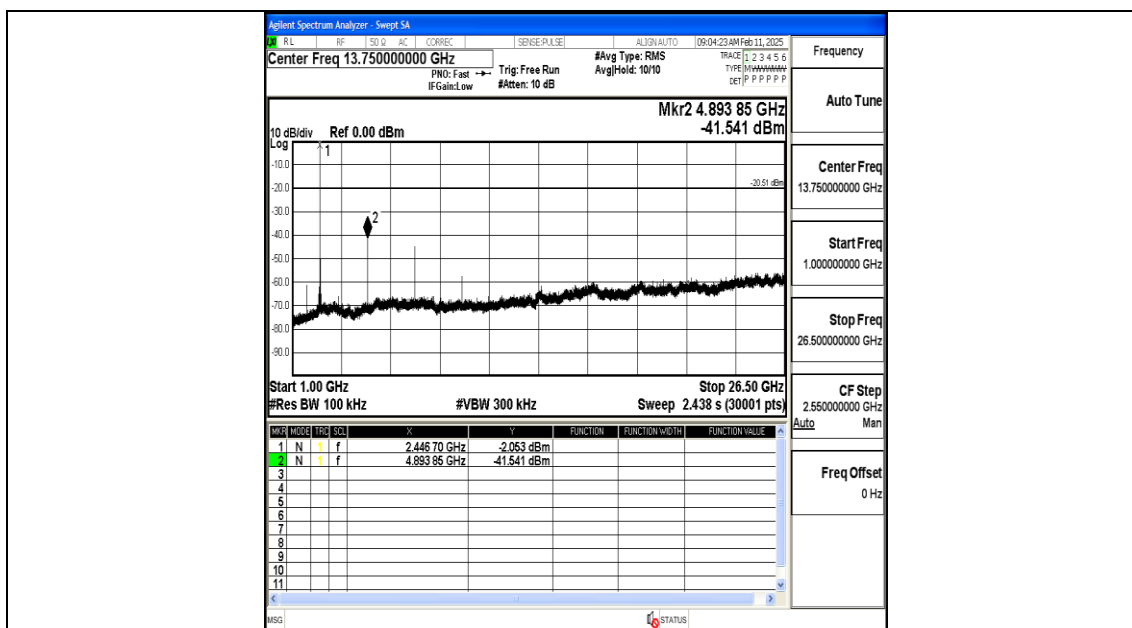
SRD-Ant1-2433-1000~26500-PASS



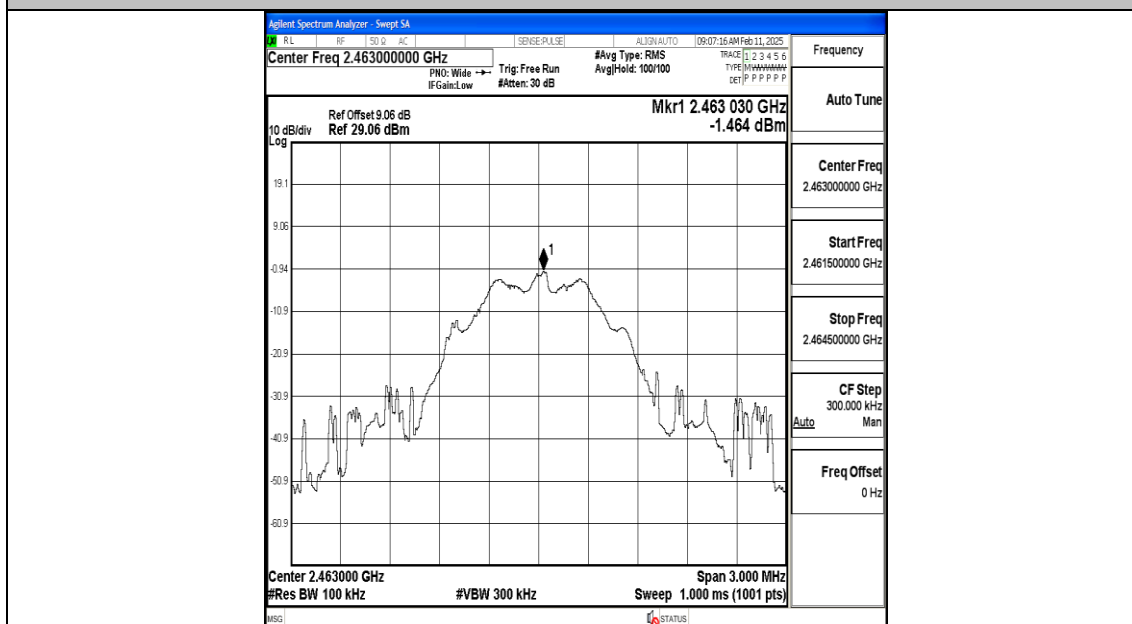
SRD-Ant1-2447-0~Reference-PASS



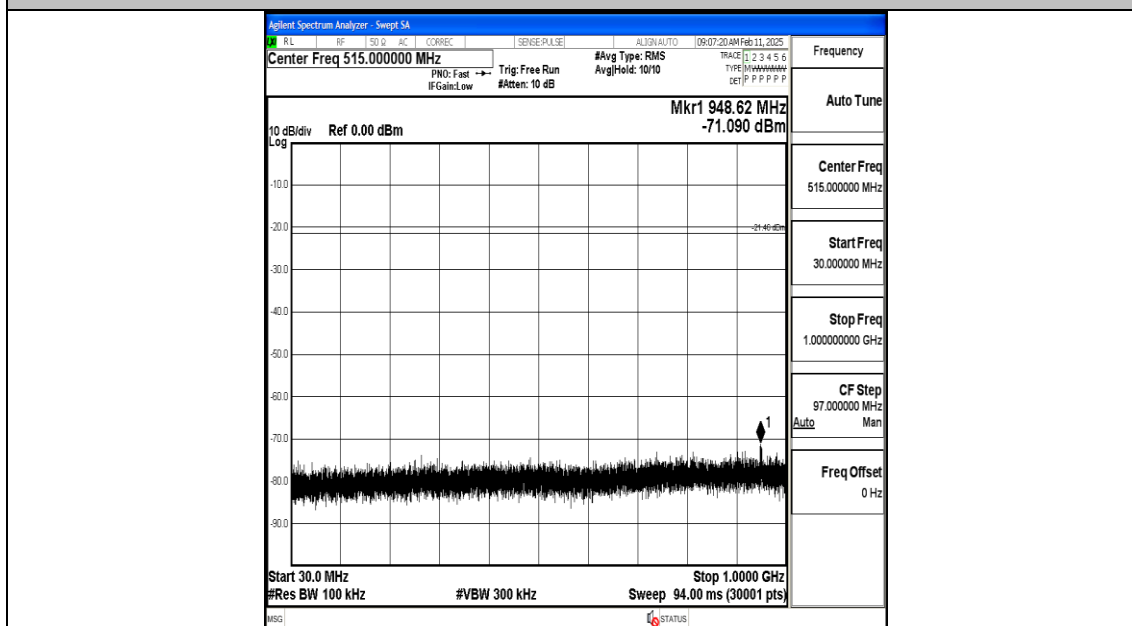
SRD-Ant1-2447-30~1000-PASS



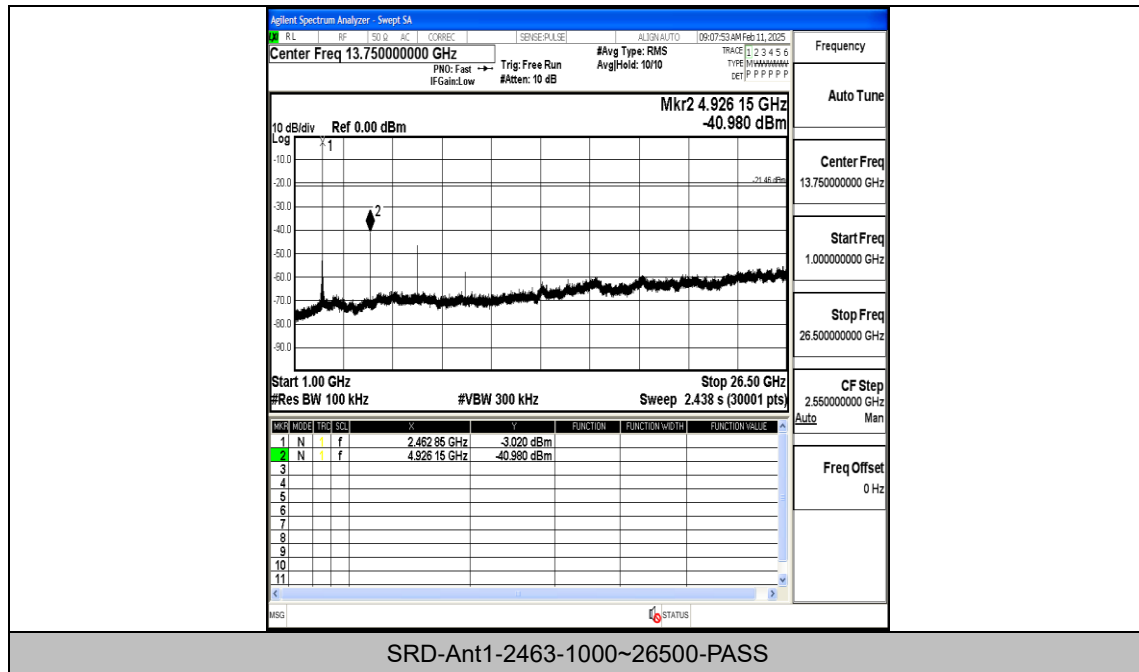
SRD-Ant1-2447-1000~26500-PASS



SRD-Ant1-2463-0~Reference-PASS



SRD-Ant1-2463-30~1000-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	2433	1.25	3.38	36.98	4.32
SRD	Ant1	2447	1.24	3.37	36.80	4.34
SRD	Ant1	2463	1.25	3.32	37.65	4.24

Test Graphs

