

Appendix Test Data for SRD (Conducted Measurement)

Product Name: TRANSFORMING RC CAR

Trade Mark: /

Test Model: V992

FCC ID: 2BBLM-VEENIIX-V992

Environmental Conditions

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

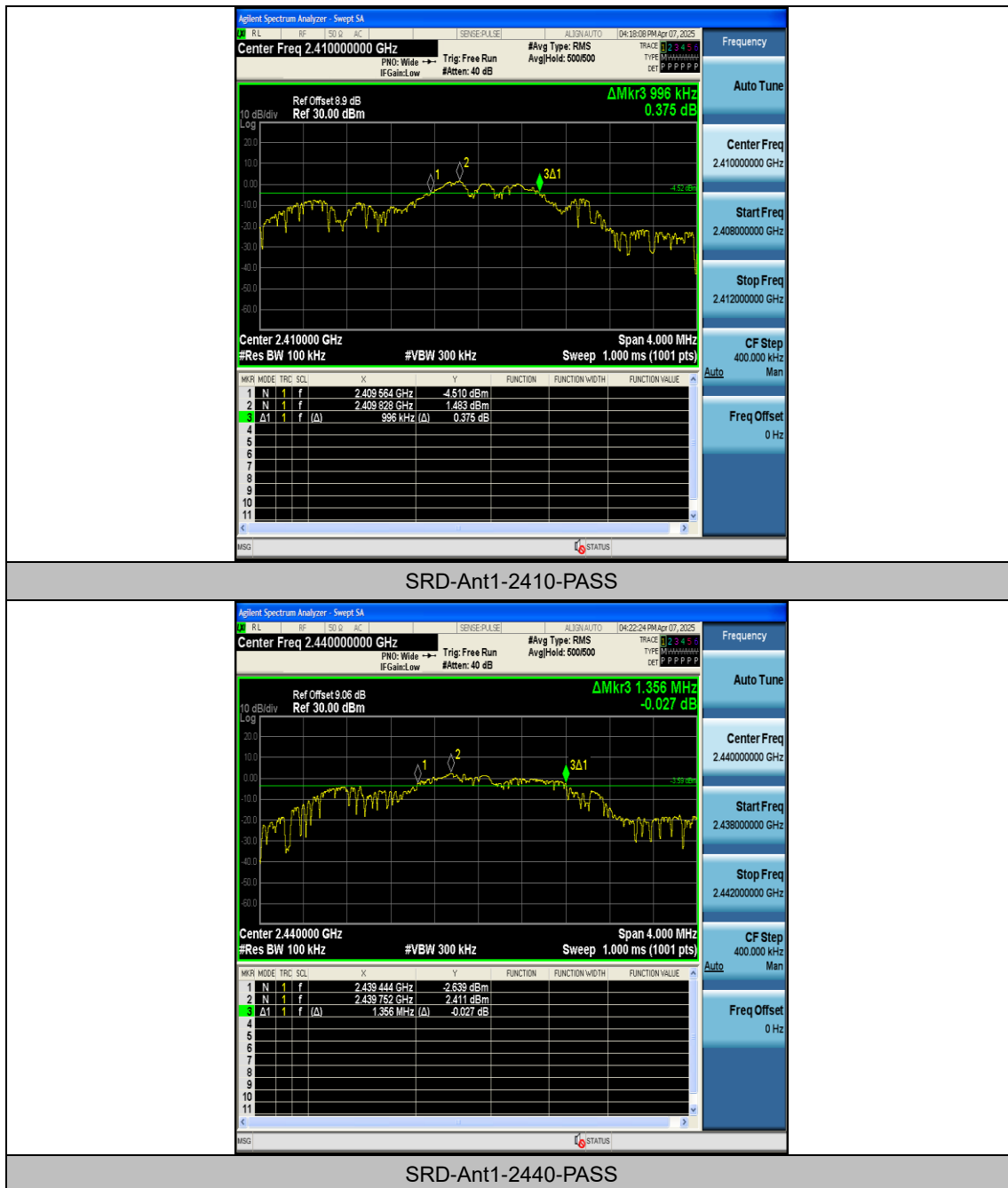
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2410	0.996	2409.564	2410.560	0.5	PASS
SRD	Ant1	2440	1.356	2439.444	2440.800	0.5	PASS
SRD	Ant1	2470	1.212	2469.436	2470.648	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	2410	2.7499	2408.3359	2411.0858	---	---
SRD	Ant1	2440	2.5738	2438.5683	2441.1421	---	---
SRD	Ant1	2470	2.5526	2468.5525	2471.1051	---	---

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

Test Graphs





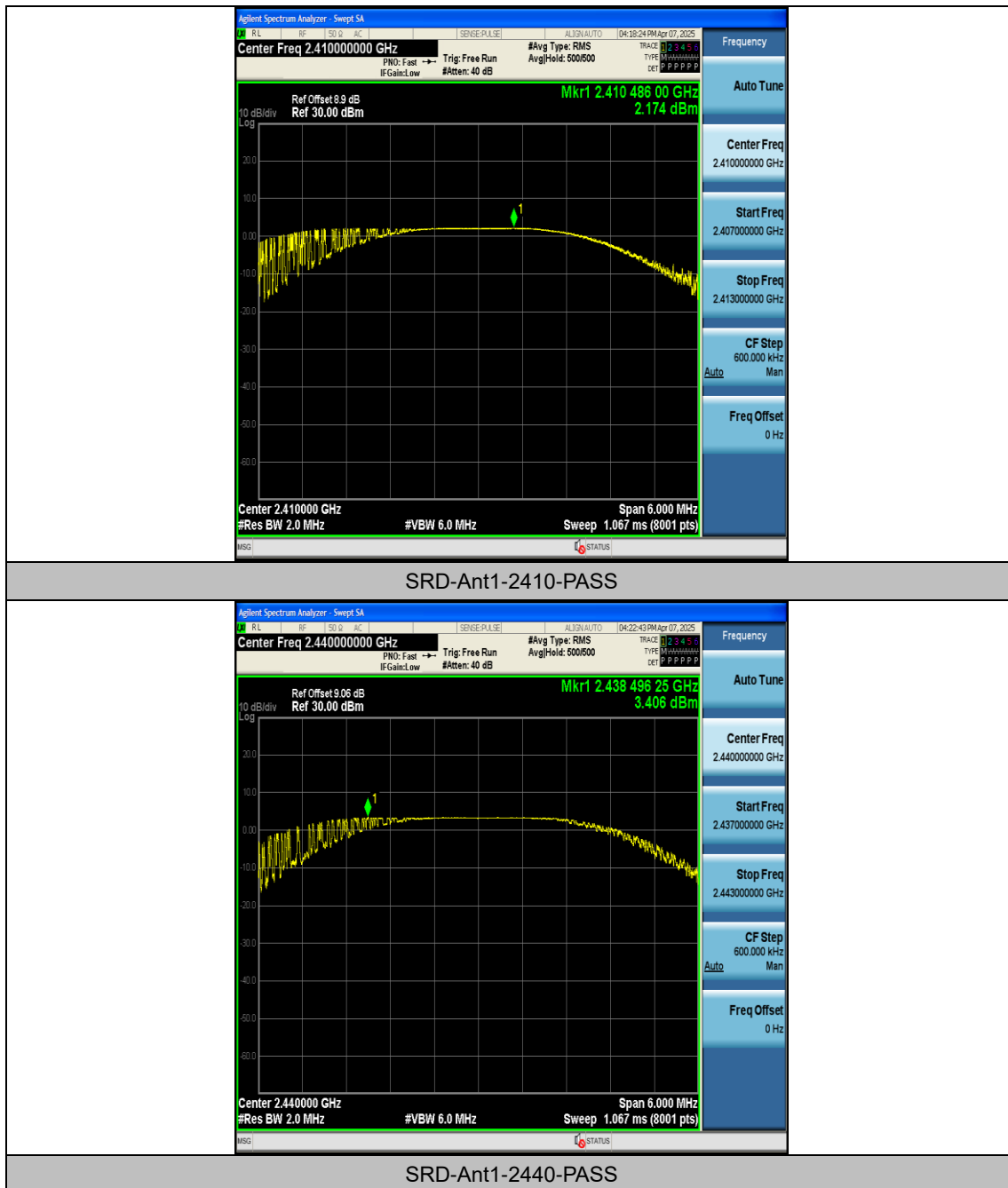
Appendix C: Maximum peak conducted output power

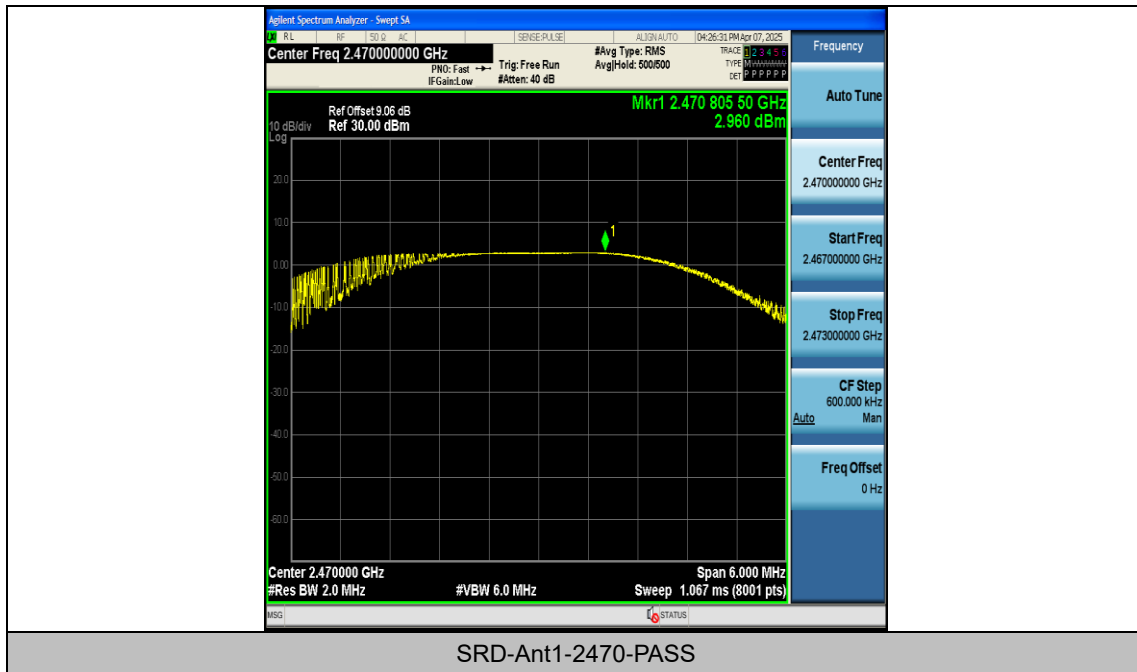
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2410	2.17	≤30	PASS
SRD	Ant1	2440	3.41	≤30	PASS
SRD	Ant1	2470	2.96	≤30	PASS

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

Test Graphs Peak





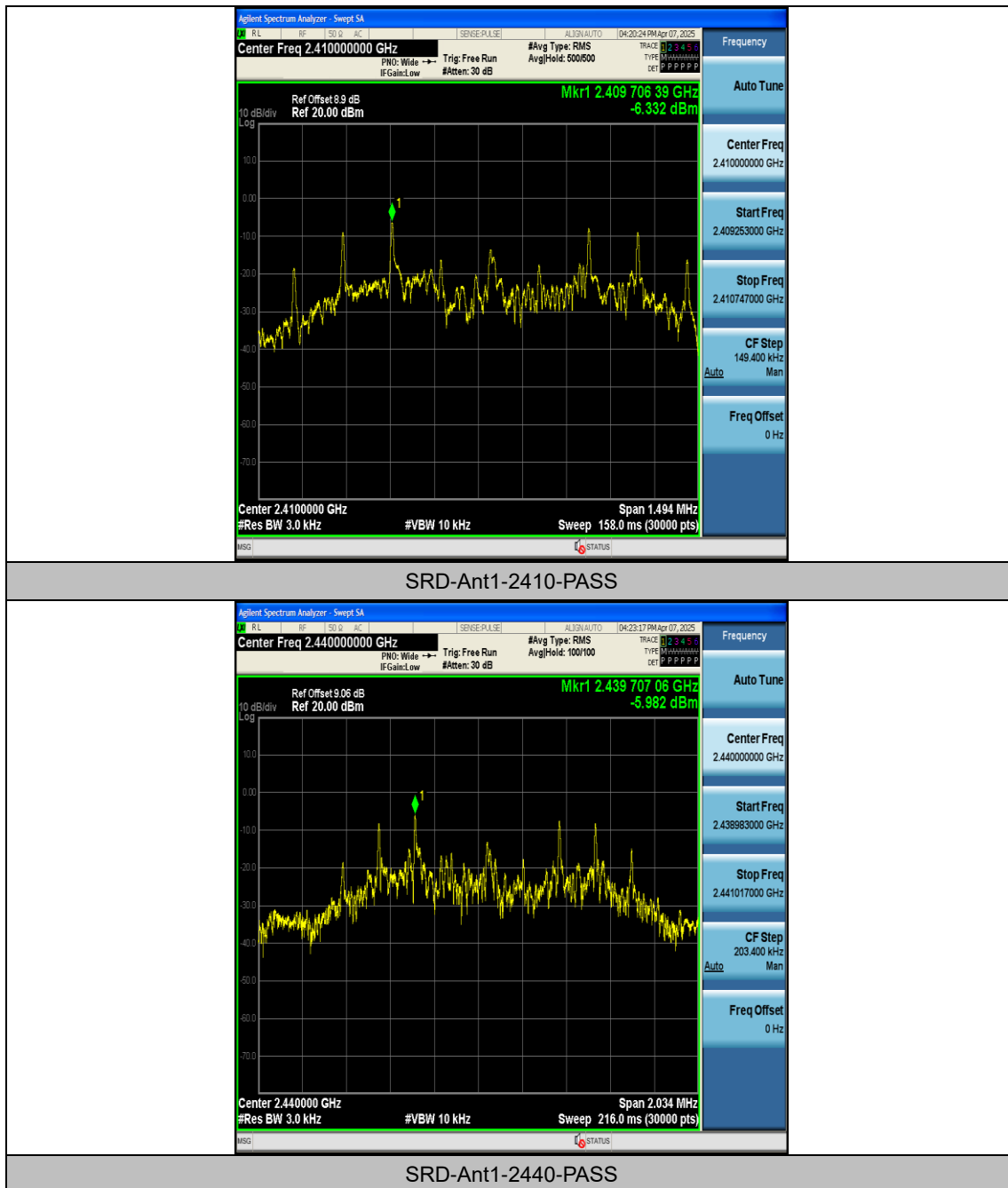
Appendix D: Maximum peak power spectral density

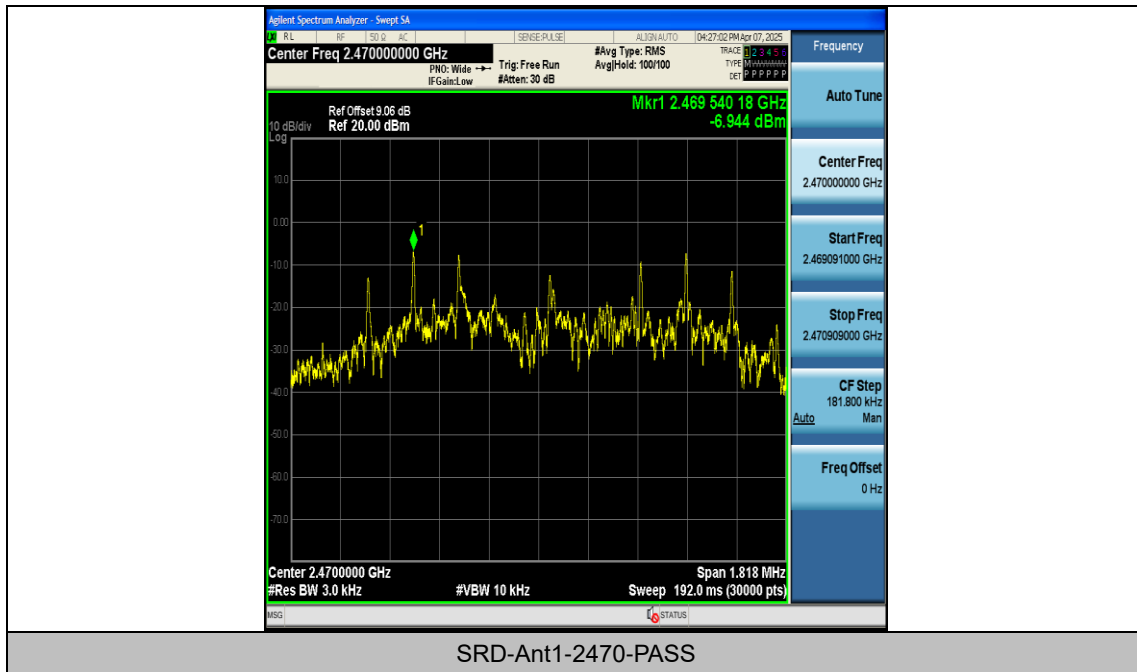
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2410	-6.33	≤8.00	PASS
SRD	Ant1	2440	-5.98	≤8.00	PASS
SRD	Ant1	2470	-6.94	≤8.00	PASS

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

Test Graphs





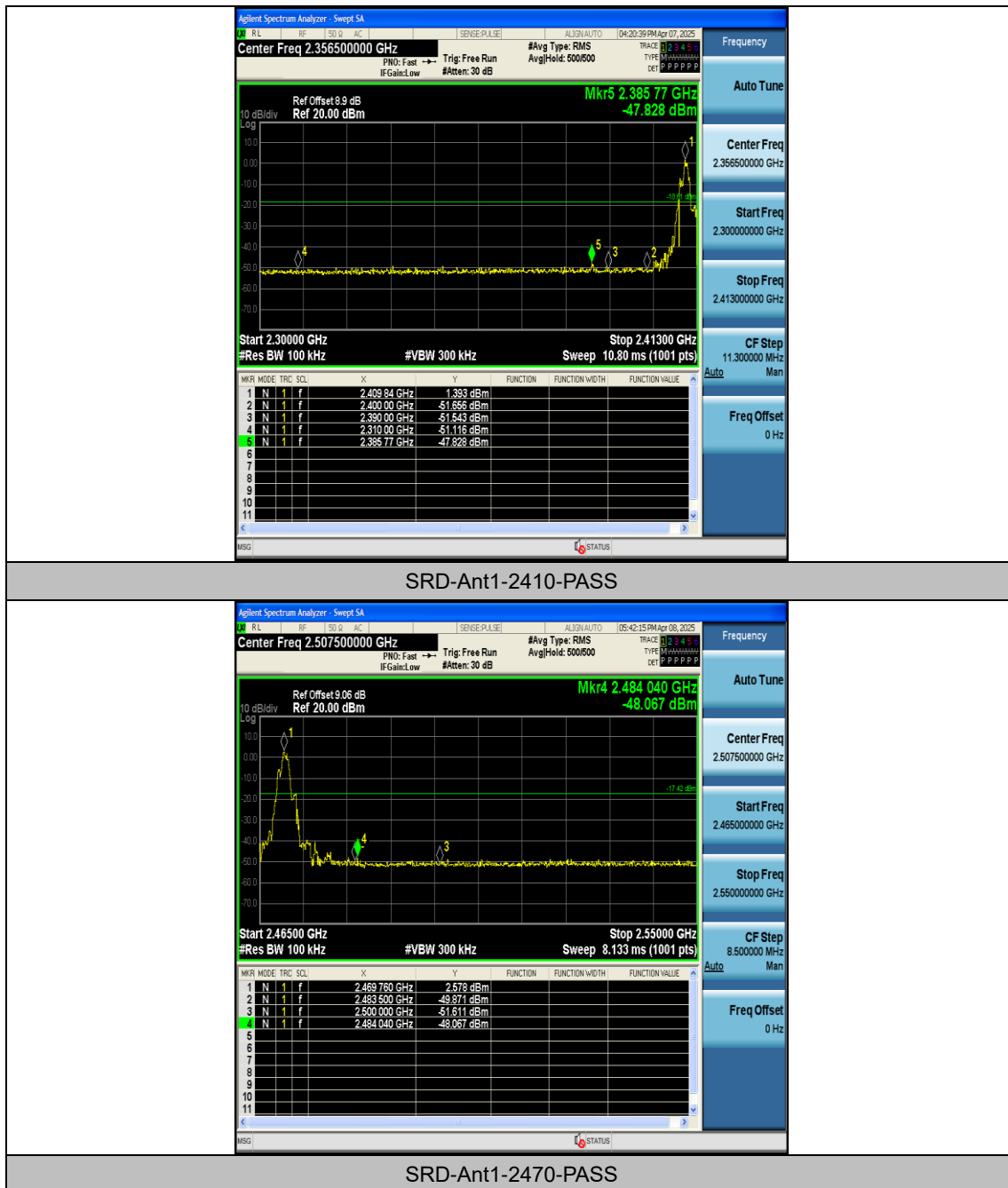
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2410	1.39	-47.83	≤ -18.61	PASS
SRD	Ant1	High	2470	2.58	-48.07	≤ -17.42	PASS

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

Test Graphs



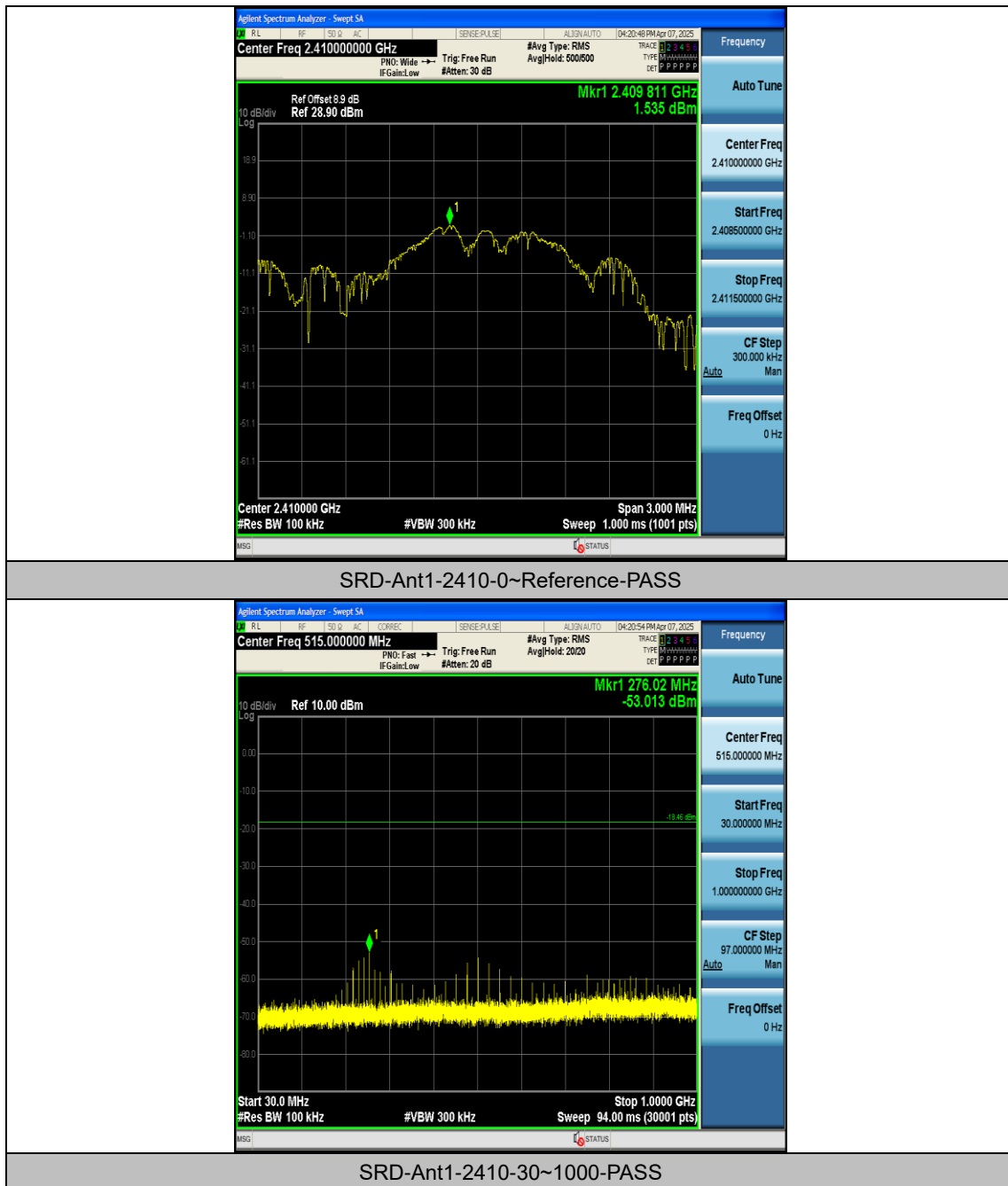
Appendix F: Conducted Spurious Emission

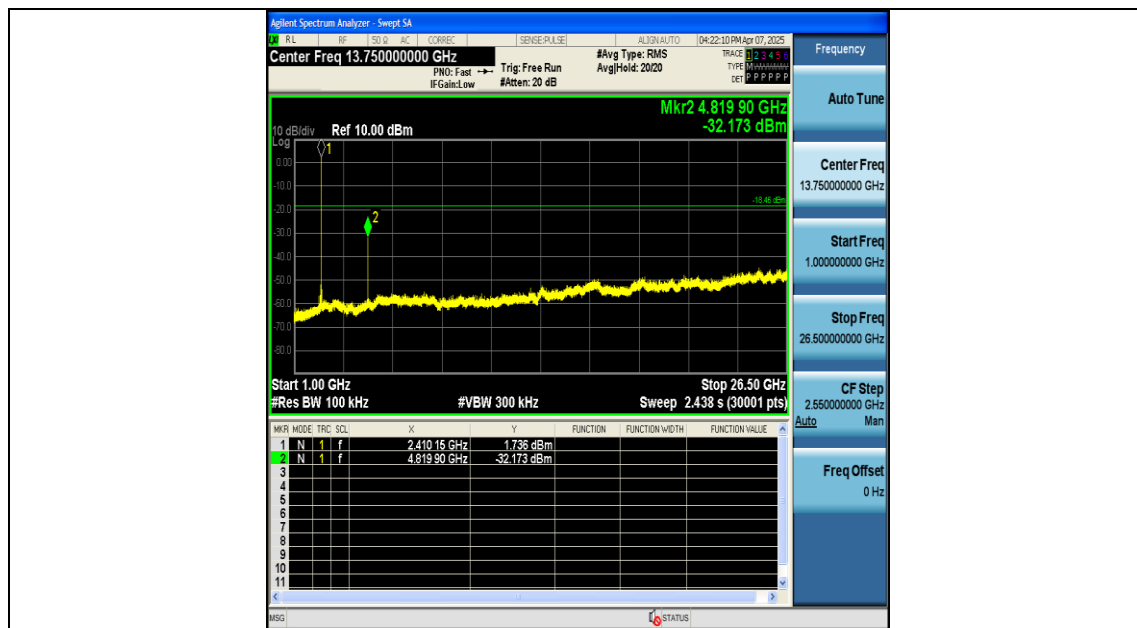
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2410	0~Reference	1.54	1.54	---	PASS
SRD	Ant1	2410	30~1000	1.54	-53.01	≤-18.46	PASS
SRD	Ant1	2410	1000~26500	1.54	-32.17	≤-18.46	PASS
SRD	Ant1	2440	0~Reference	2.36	2.36	---	PASS
SRD	Ant1	2440	30~1000	2.36	-53.58	≤-17.64	PASS
SRD	Ant1	2440	1000~26500	2.36	-36.18	≤-17.64	PASS
SRD	Ant1	2470	0~Reference	2.14	2.14	---	PASS
SRD	Ant1	2470	30~1000	2.14	-52.9	≤-17.86	PASS
SRD	Ant1	2470	1000~26500	2.14	-26.86	≤-17.86	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

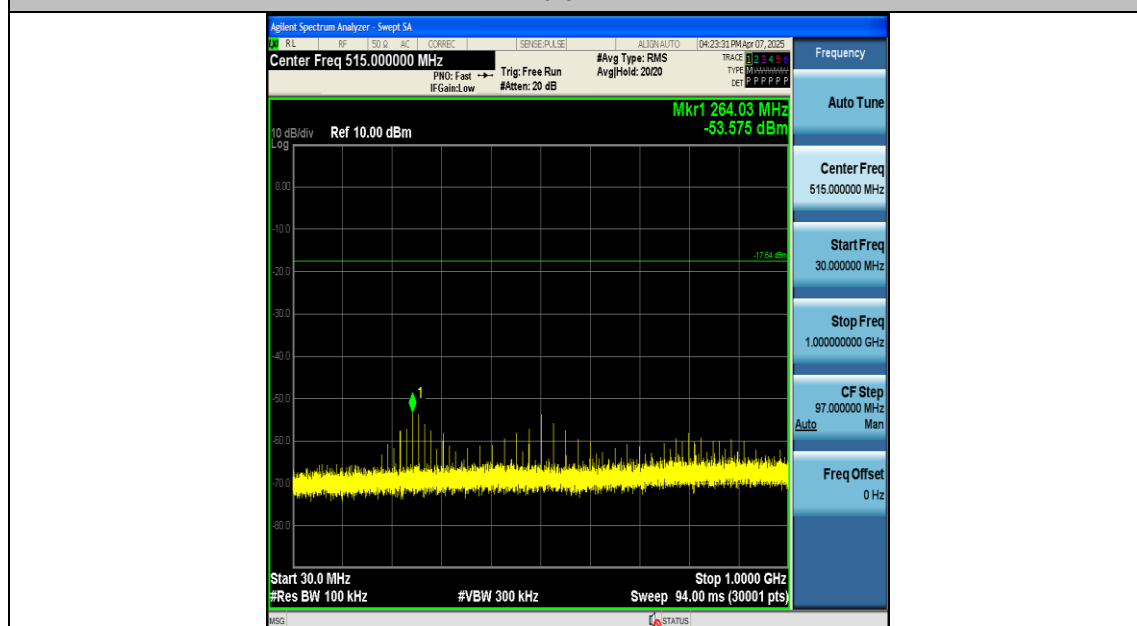




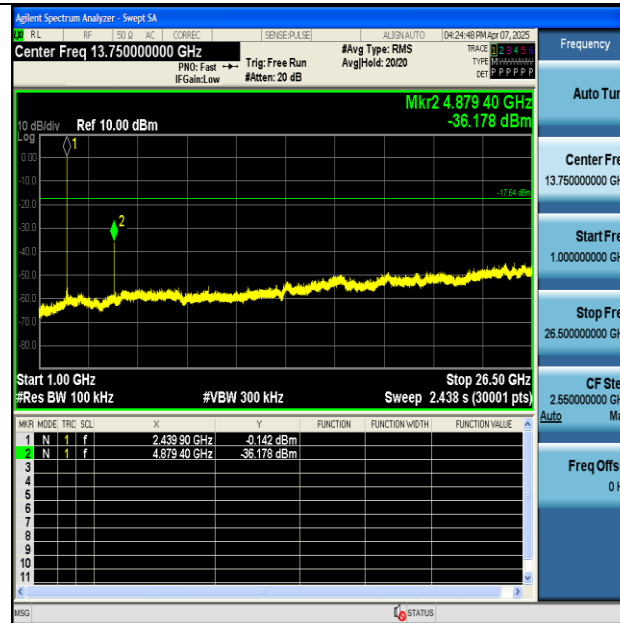
SRD-Ant1-2410-1000~26500-PASS



SRD-Ant1-2440-0~Reference-PASS



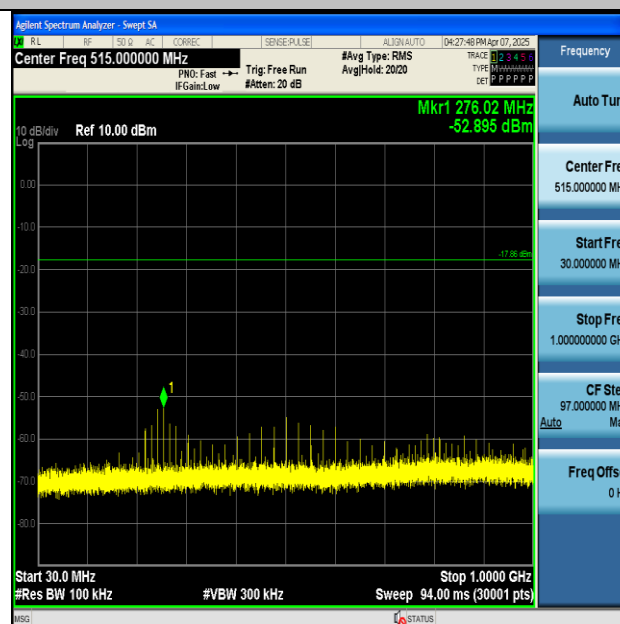
SRD-Ant1-2440-30~1000-PASS



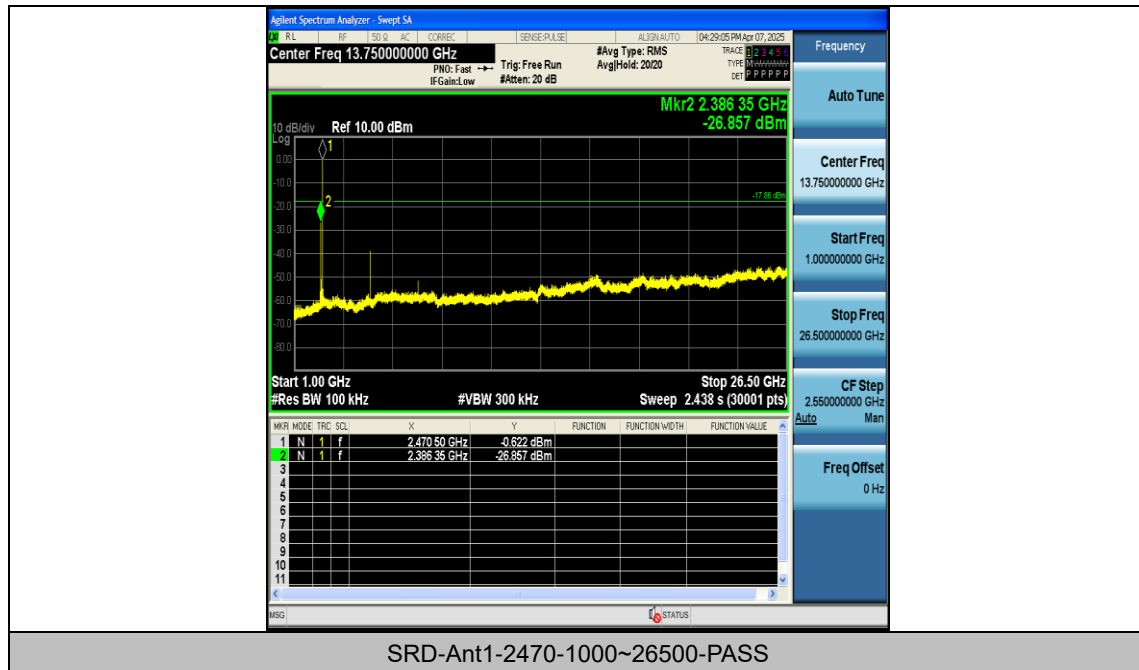
SRD-Ant1-2440-1000~26500-PASS



SRD-Ant1-2470-0~Reference-PASS



SRD-Ant1-2470-30~1000-PASS



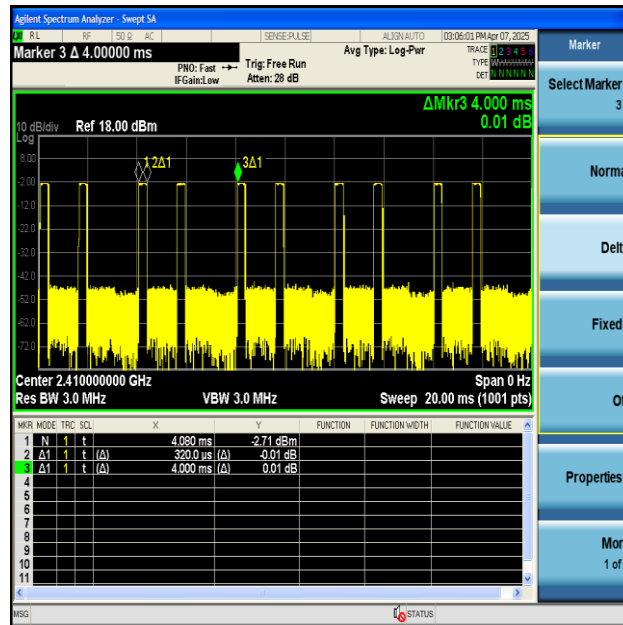
Appendix G: Duty Cycle

Test Result

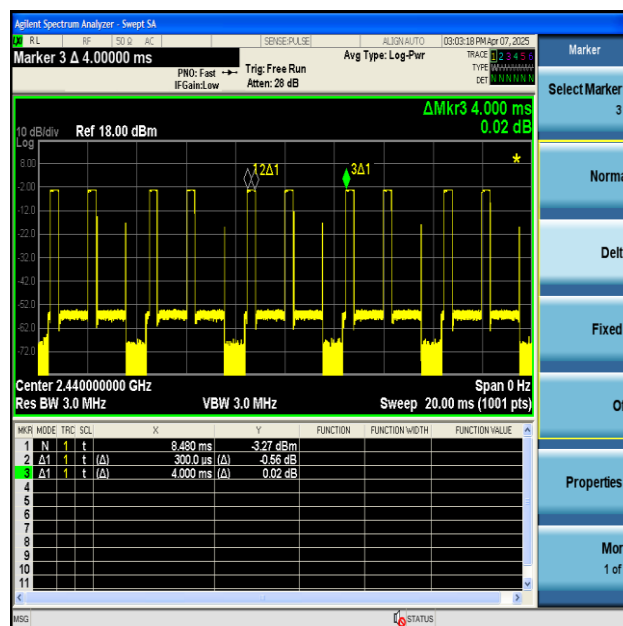
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
SRD	Ant1	2410	0.64	4.00	16.00	7.96
SRD	Ant1	2440	0.60	4.00	15.00	8.24
SRD	Ant1	2470	0.56	3.96	14.14	8.50

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

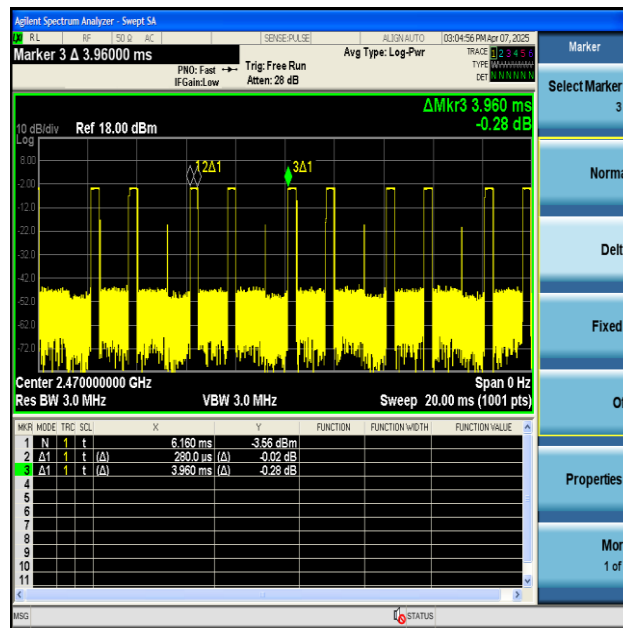
Test Graphs



NTNV-SRD-Ant1-2410



NTNV-SRD-Ant1-2440



NTNV-SRD-Ant1-2470