Appendix Test Data for SRD (Conducted Measurement)

Product Name: Wireless Dongle

Trade Mark: SENTRY

Test Model: KX700

FCC ID: 2AT3W-SYKX700D

Environmental Conditions

Temperature:	23.7℃
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

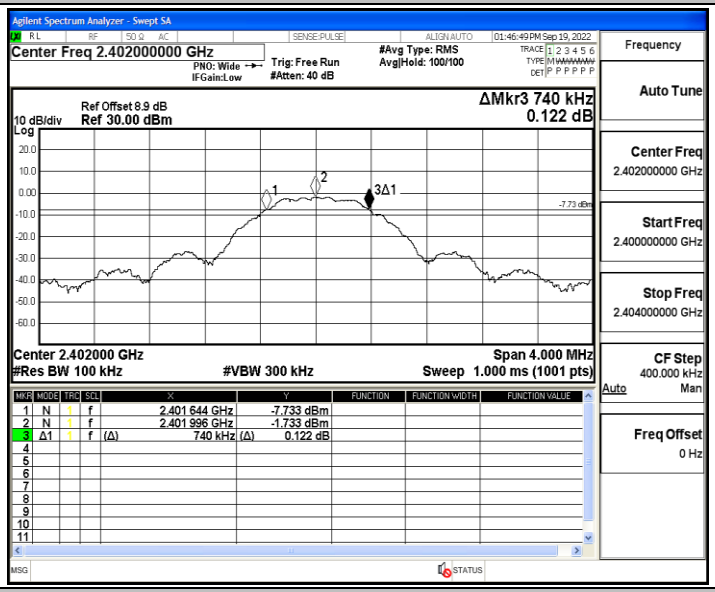
Appendix A: DTS Bandwidth

Test Result

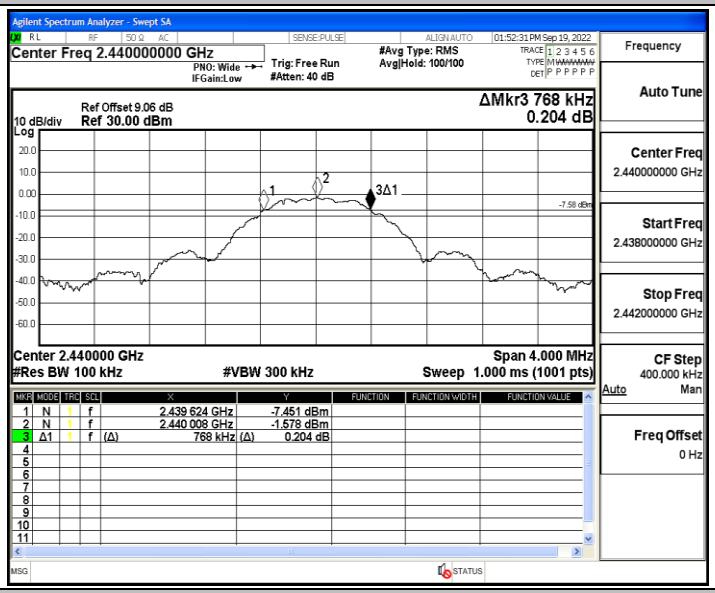
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	0.740	2401.644	2402.384	0.5	PASS
		2440	0.768	2439.624	2440.392	0.5	PASS
		2480	0.788	2479.624	2480.412	0.5	PASS

Test Graphs

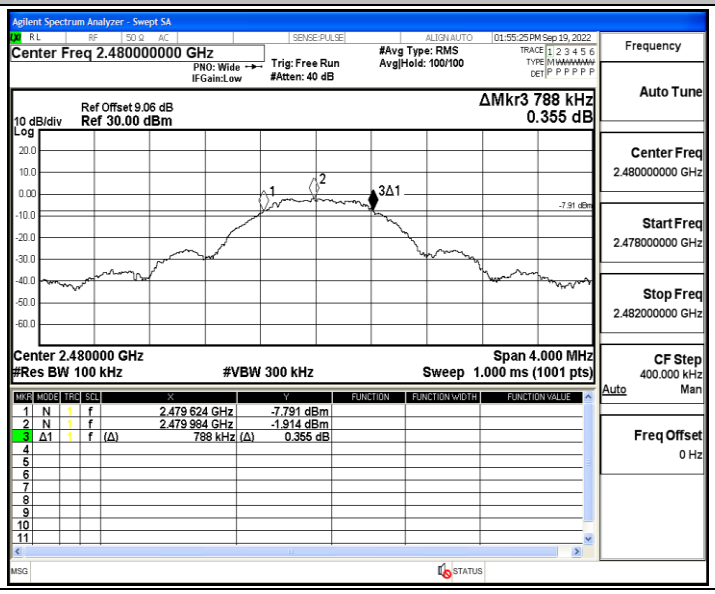
SRD_Ant1_2402



SRD_Ant1_2440



SRD_Ant1_2480



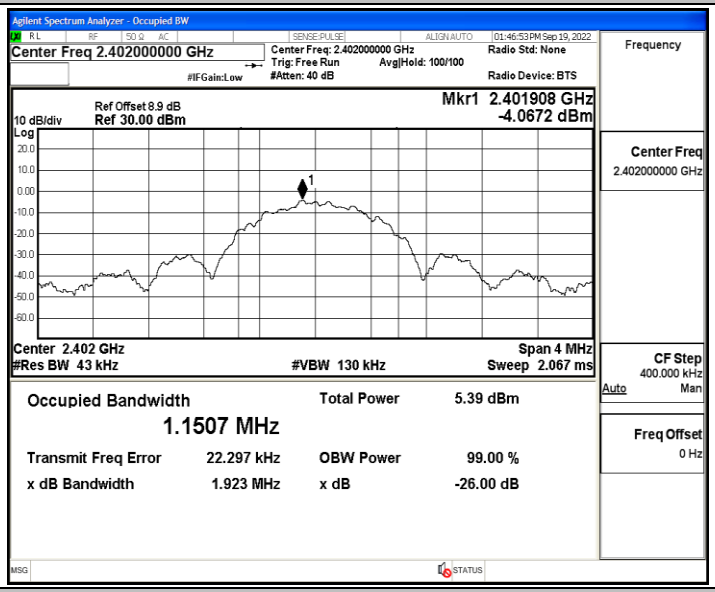
Appendix B: Occupied Channel Bandwidth

Test Result

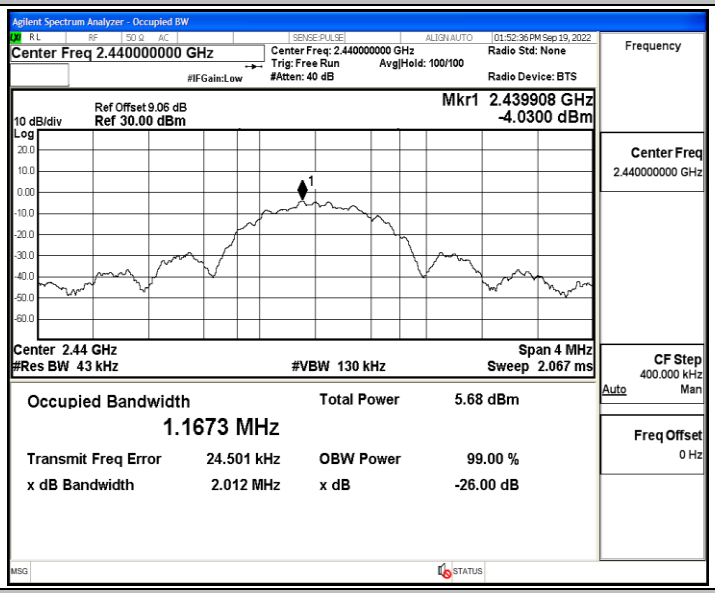
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	1.1507	2401.4470	2402.5977	---	---
		2440	1.1673	2439.4409	2440.6082	---	---
		2480	1.1949	2479.4292	2480.6241	---	---

Test Graphs

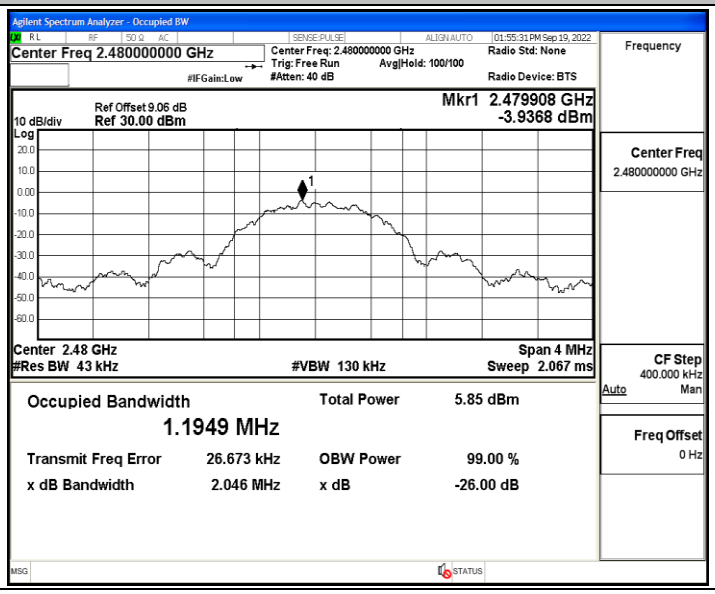
SRD_Ant1_2402



SRD_Ant1_2440



SRD_Ant1_2480



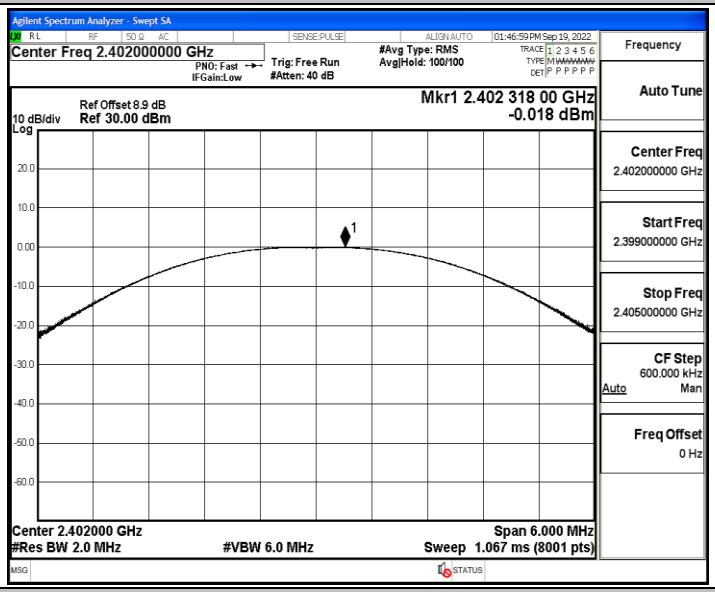
Appendix C: Maximum Peak conducted output power

Test Result

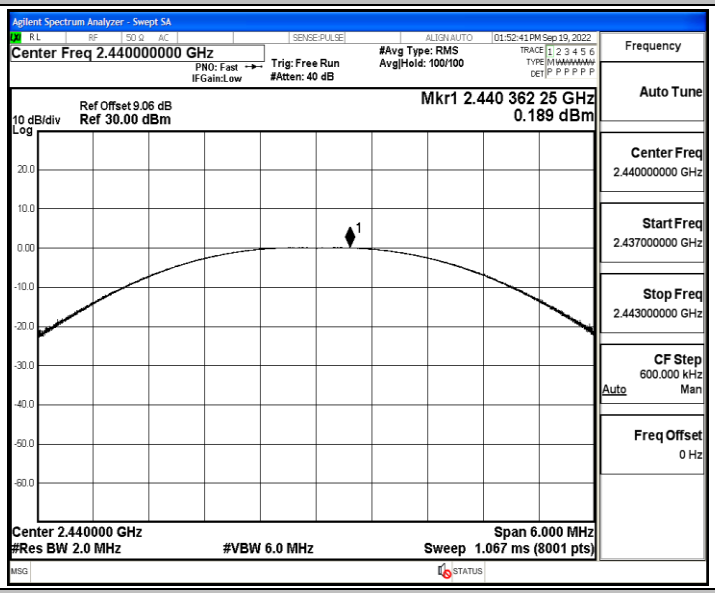
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2402	-0.02	≤30	PASS
		2440	0.19	≤30	PASS
		2480	-0.18	≤30	PASS

Test Graphs

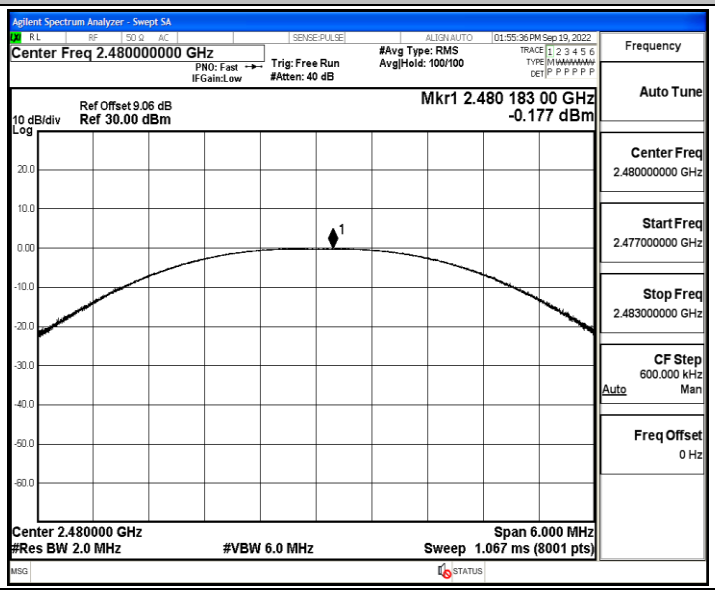
SRD_Ant1_2402



SRD_Ant1_2440



SRD_Ant1_2480



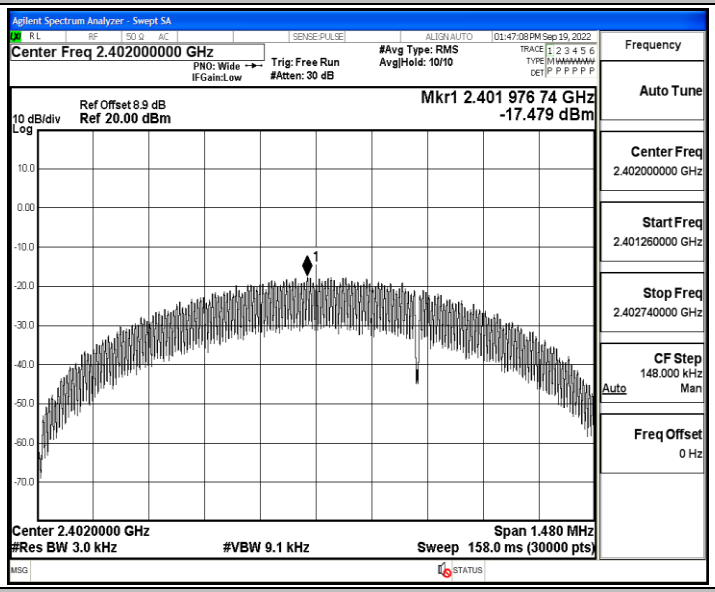
Appendix D: Maximum power spectral density

Test Result

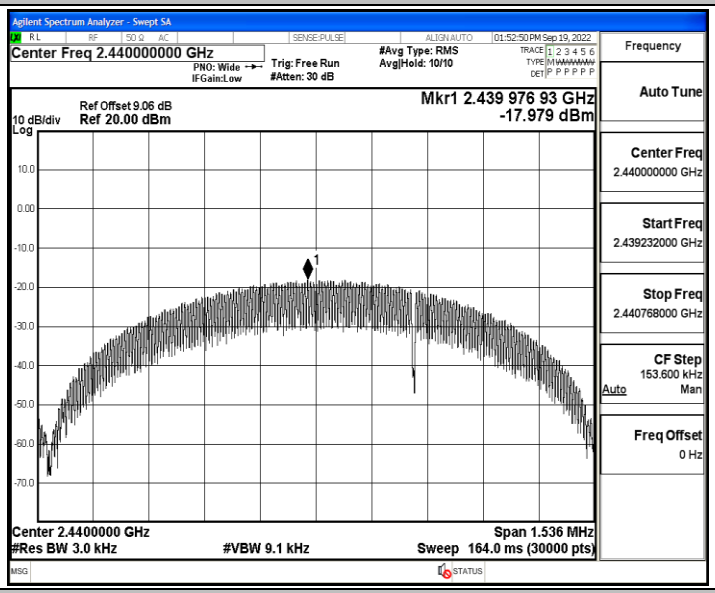
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	2402	-17.48	≤8.00	PASS
		2440	-17.98	≤8.00	PASS
		2480	-16.92	≤8.00	PASS

Test Graphs

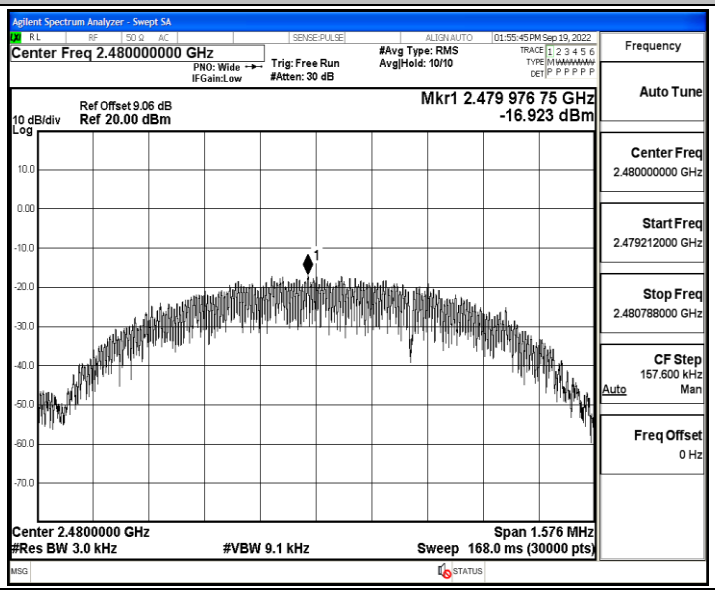
SRD_Ant1_2402



SRD_Ant1_2440



SRD_Ant1_2480



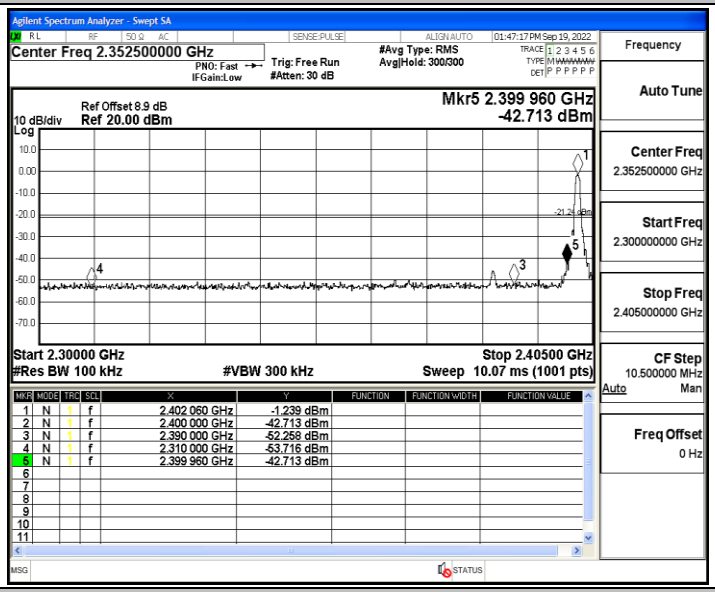
Appendix E: Band edge measurements

Test Result

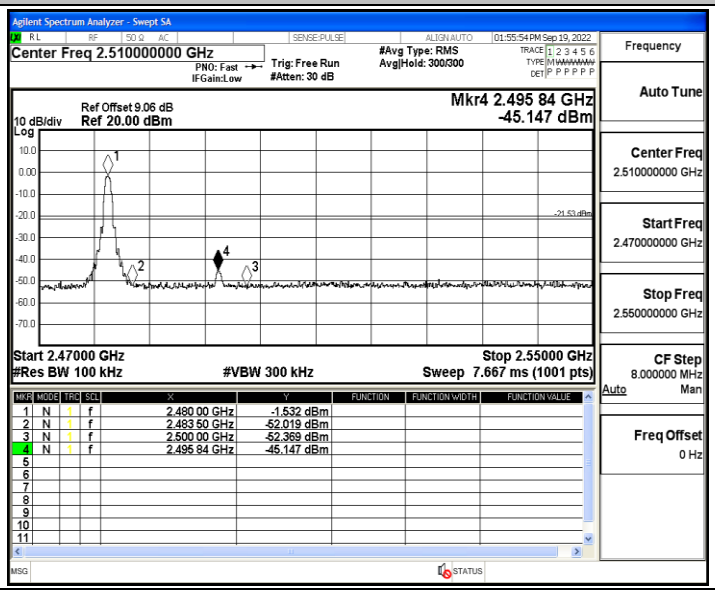
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	Low	2402	-1.24	-42.71	≤-21.24	PASS
		High	2480	-1.53	-45.15	≤-21.53	PASS

Test Graphs

SRD_Ant1_Low_2402



SRD_Ant1_High_2480



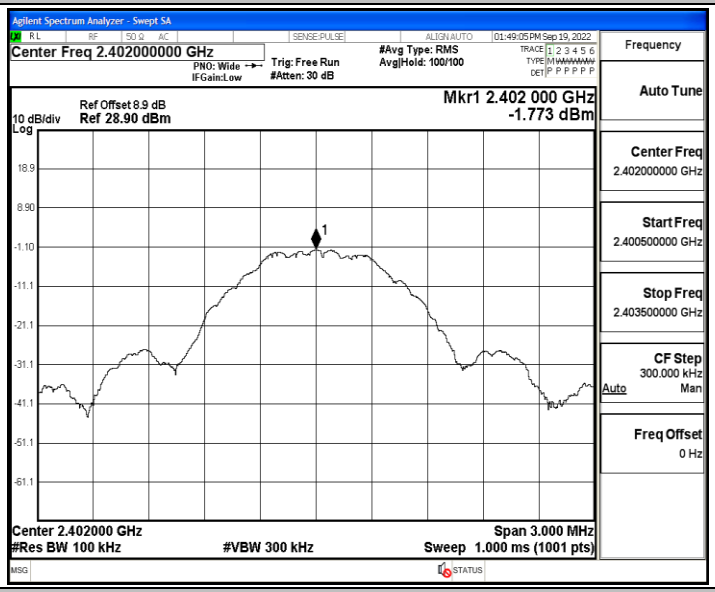
Appendix F: Conducted Spurious Emission

Test Result

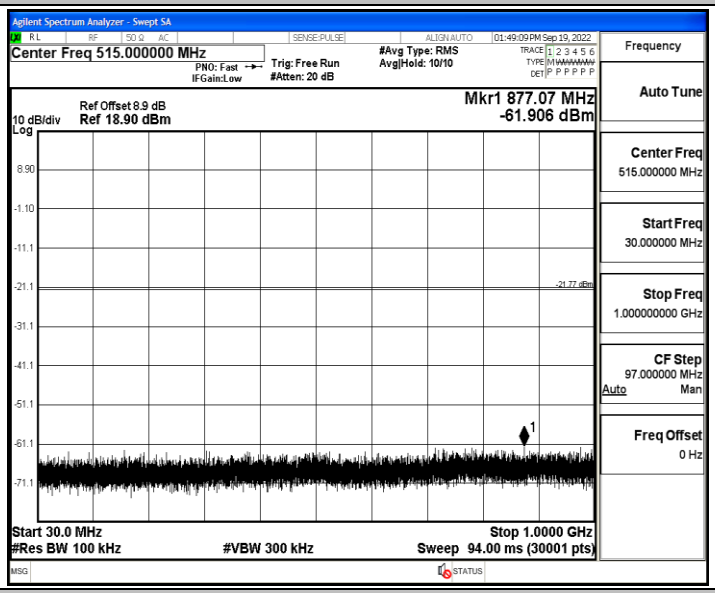
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2402	Reference	-1.77	-1.77	---	PASS
			30~1000	-1.77	-61.91	≤-21.77	PASS
			1000~26500	-1.77	-51.23	≤-21.77	PASS
		2440	Reference	-1.58	-1.58	---	PASS
			30~1000	-1.58	-61.41	≤-21.58	PASS
			1000~26500	-1.58	-51.32	≤-21.58	PASS
		2480	Reference	-1.85	-1.85	---	PASS
			30~1000	-1.85	-61.44	≤-21.85	PASS
			1000~26500	-1.85	-51.41	≤-21.85	PASS

Test Graphs

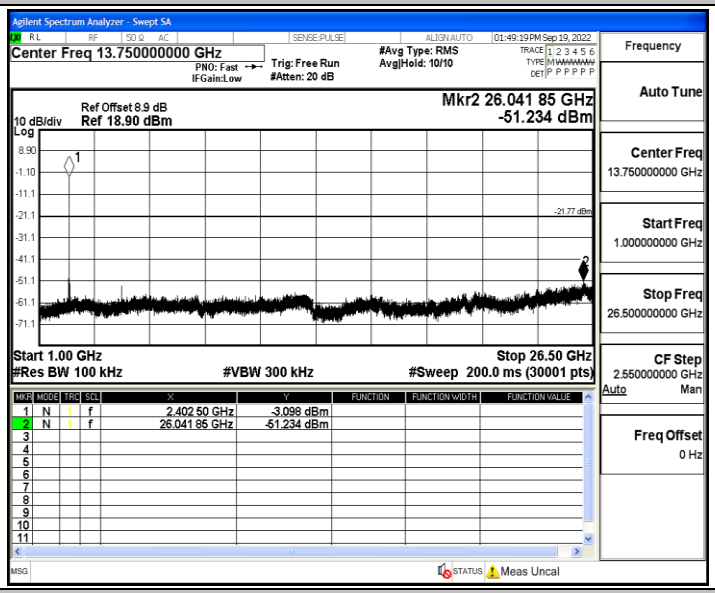
SRD_Ant1_2402_0~Reference



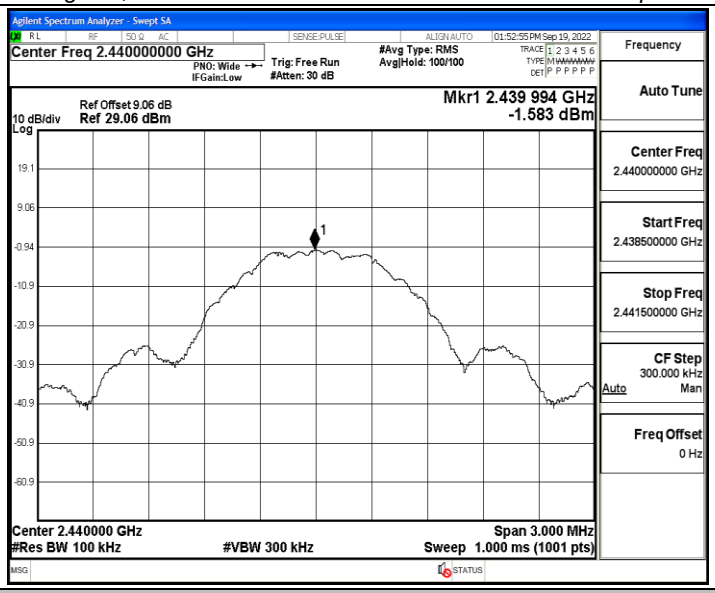
SRD_Ant1_2402_30~1000



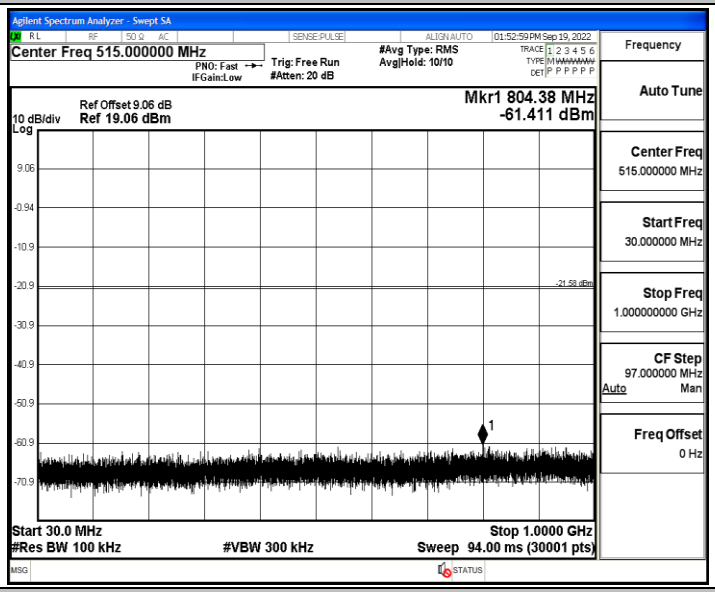
SRD_Ant1_2402_1000~26500



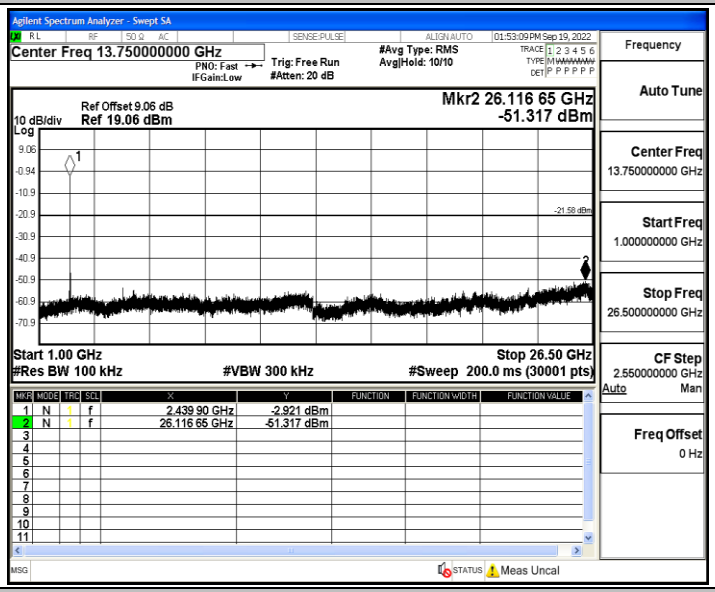
SRD_Ant1_2440_0~Reference



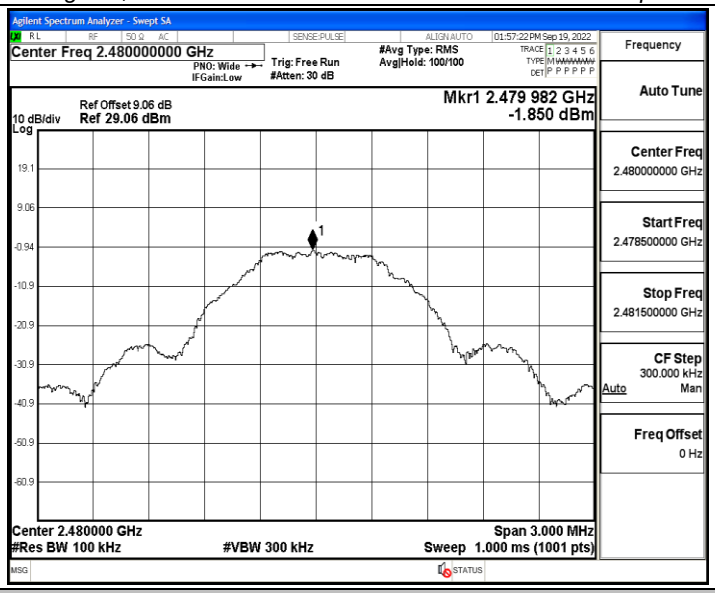
SRD_Ant1_2440_30~1000



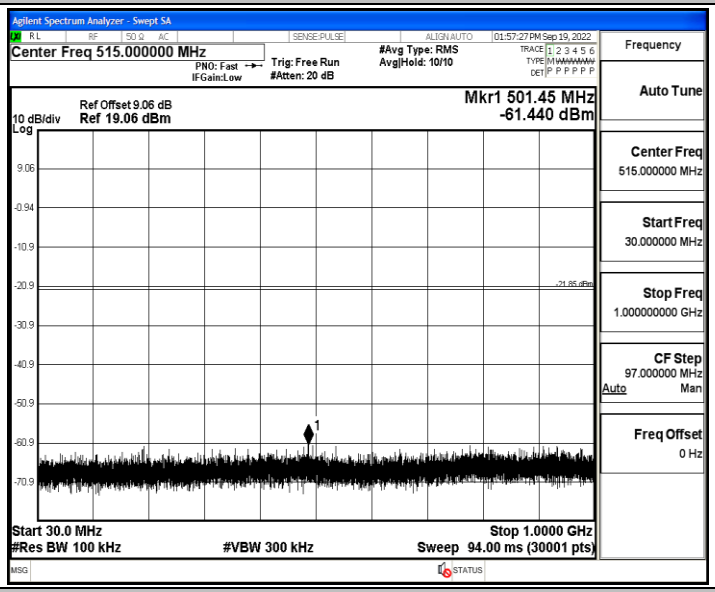
SRD_Ant1_2440_1000~26500



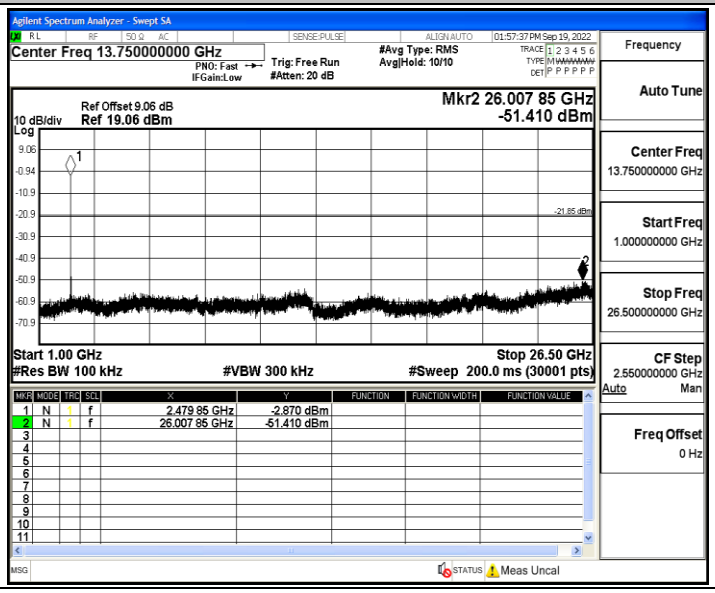
SRD_Ant1_2480_0~Reference



SRD_Ant1_2480_30~1000



SRD_Ant1_2480_1000~26500



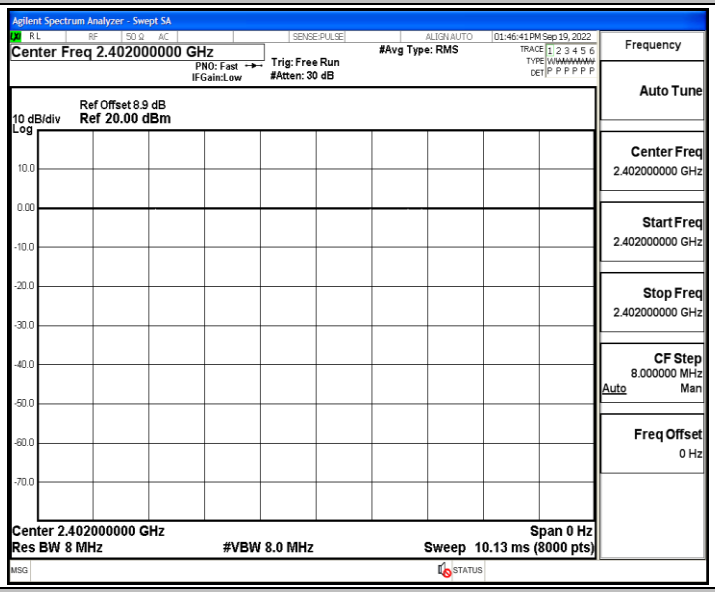
Appendix G: Duty Cycle

Test Result

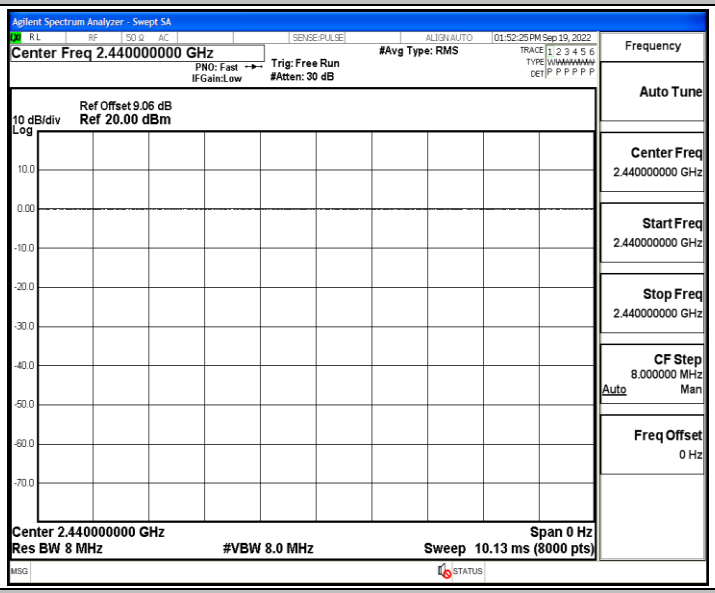
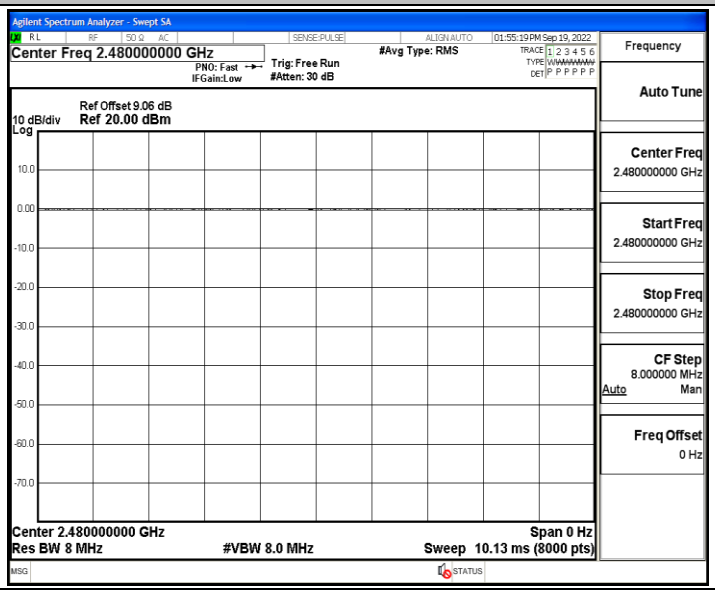
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
SRD	Ant1	2402	0.00	0.00	100	0.01
		2440	0.00	0.00	100	0.01
		2480	0.00	0.00	100	0.01

Test Graphs

SRD_Ant1_2402



SRD_Ant1_2440



SRD_Ant1_2480