

Appendix Test Data for BT(BLE) (Conducted Measurement)

Product Name: Wireless Mouse

Trade Mark: Keychron

Test Model: Keychron M6

FCC ID: 2ASF4-M6

Environmental Conditions

Temperature:	25.5°C
Relative Humidity:	55%
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	1.312	2401.384	2402.696	0.5	PASS
		2440	1.328	2439.320	2440.648	0.5	PASS
		2480	1.332	2479.344	2480.676	0.5	PASS

Test Graphs

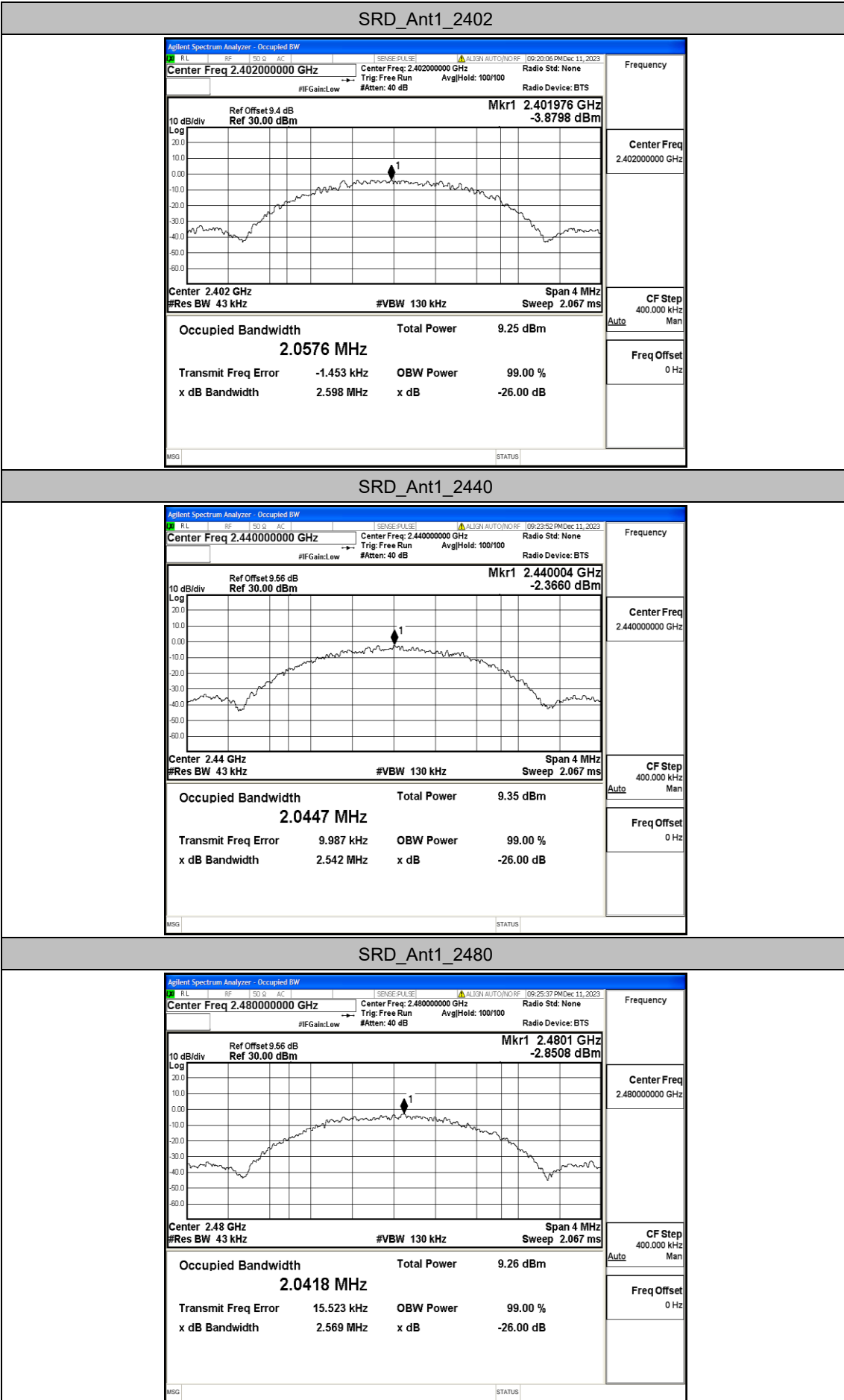


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	2.0576	2400.9698	2403.0274	---	---
		2440	2.0447	2438.9876	2441.0323	---	---
		2480	2.0418	2478.9946	2481.0364	---	---

Test Graphs

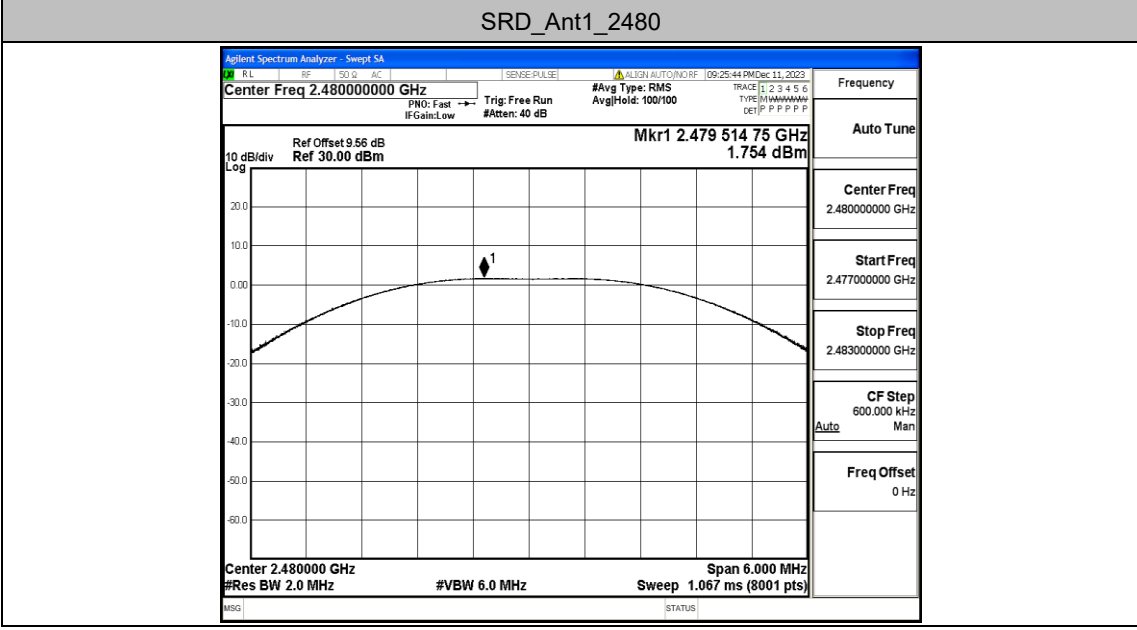
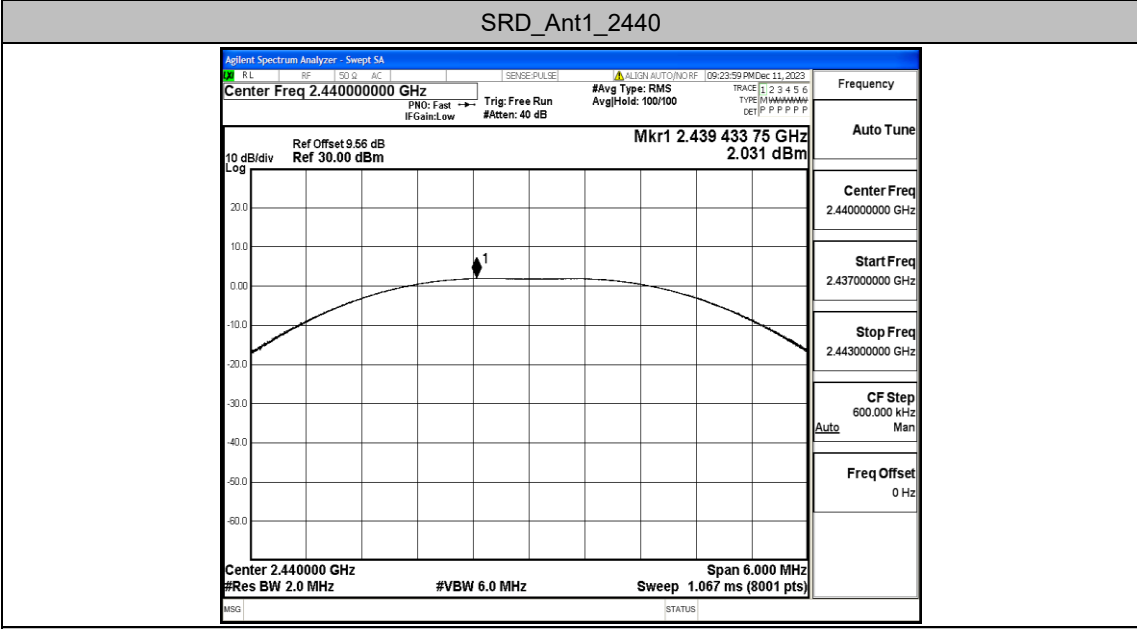
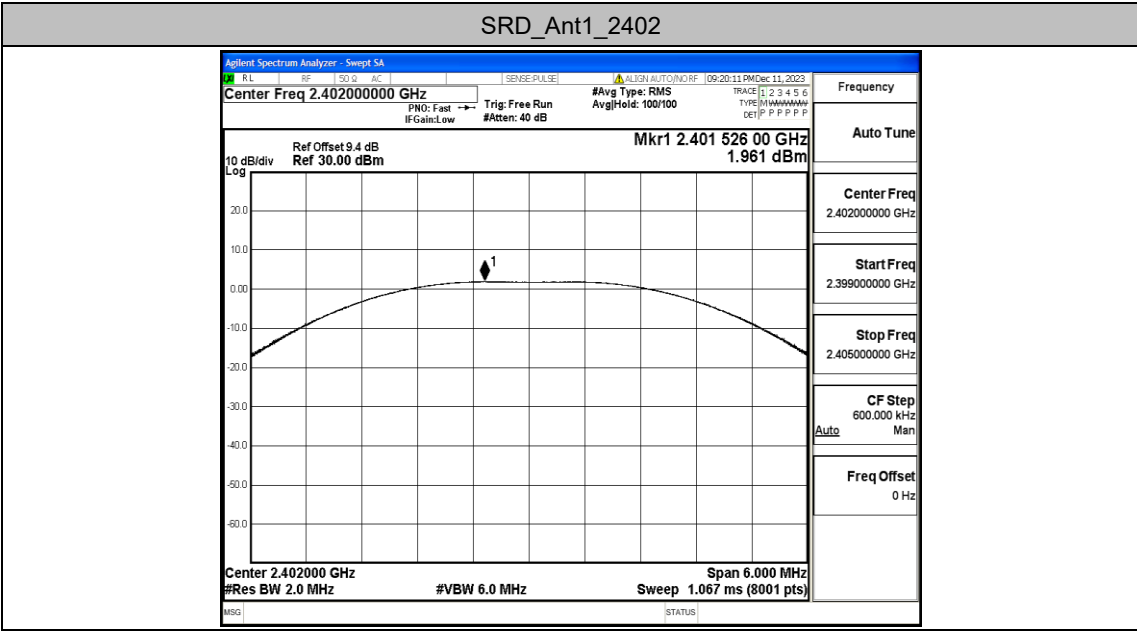


Appendix C: Maximum Peak conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2402	1.96	≤30	PASS
		2440	2.03	≤30	PASS
		2480	1.75	≤30	PASS

Test Graphs

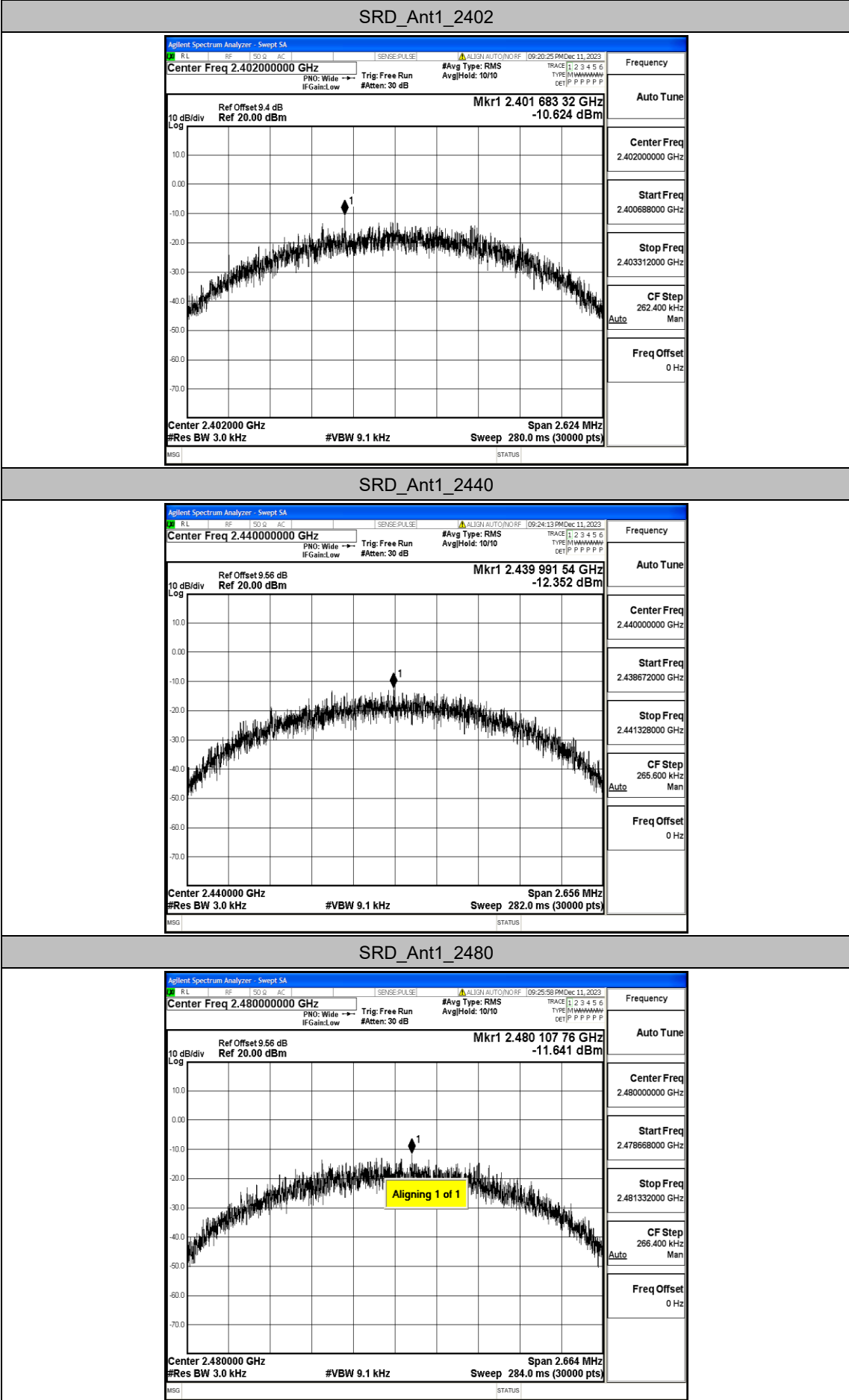


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	2402	-10.62	≤8.00	PASS
		2440	-12.35	≤8.00	PASS
		2480	-11.64	≤8.00	PASS

Test Graphs

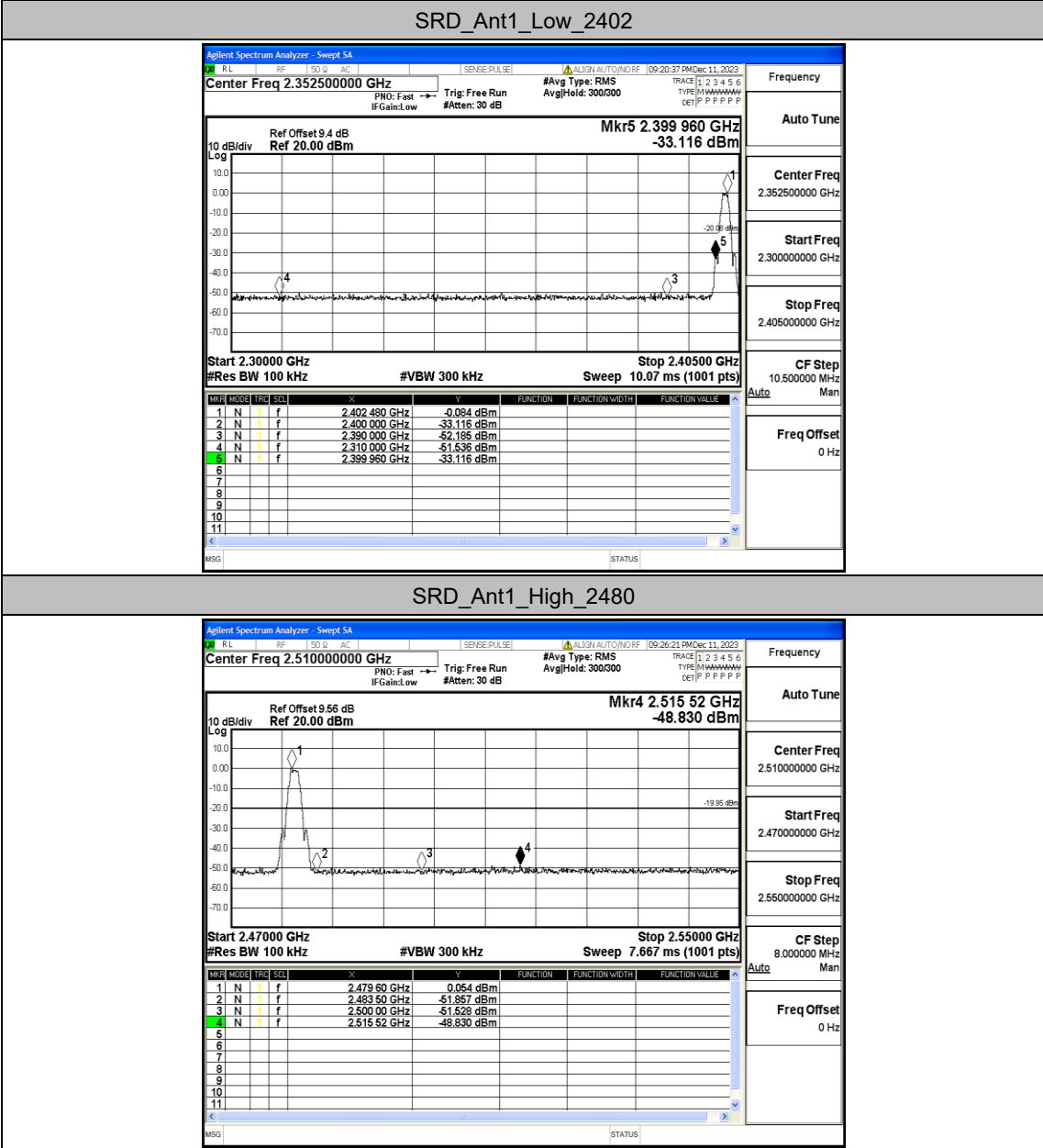


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	Low	2402	-0.08	-33.12	≤-20.08	PASS
		High	2480	0.05	-48.83	≤-19.95	PASS

Test Graphs

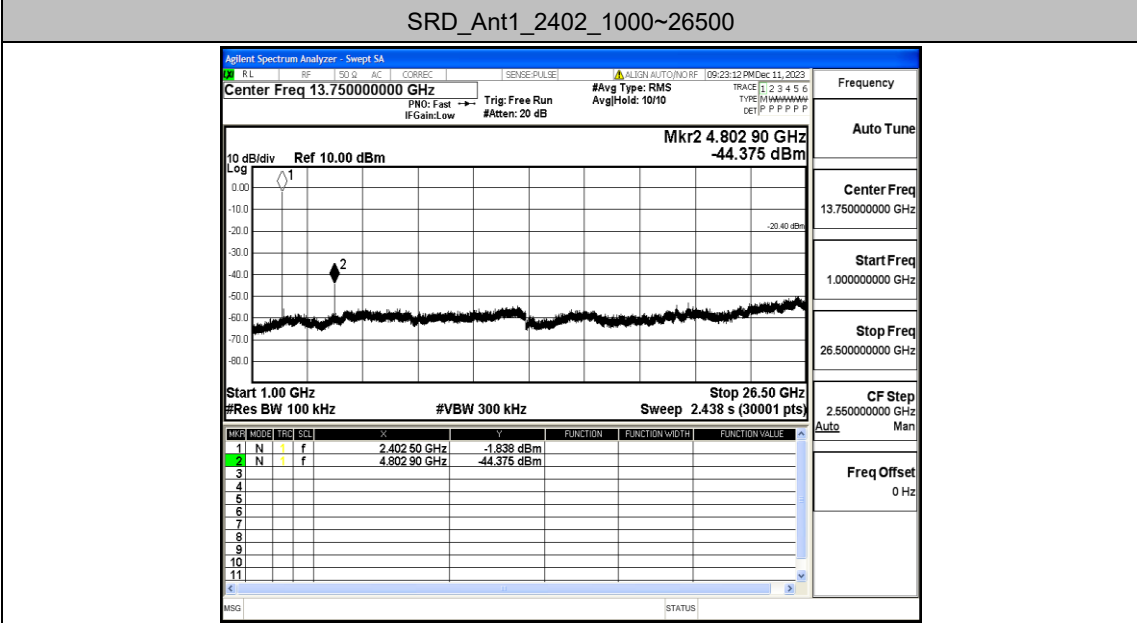
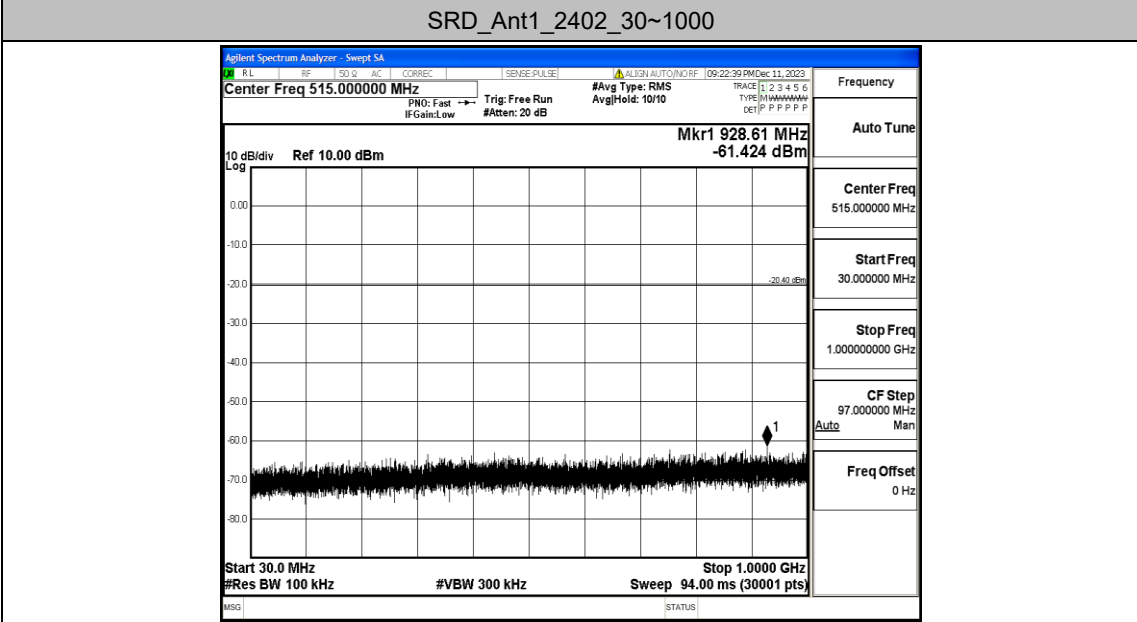
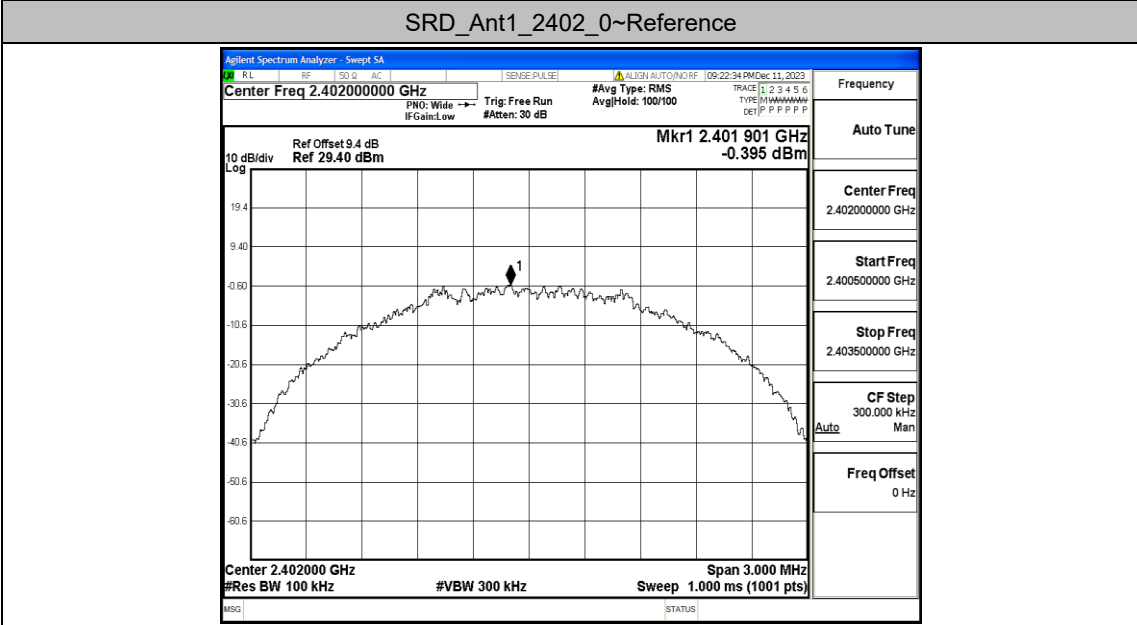


Appendix F: Conducted Spurious Emission

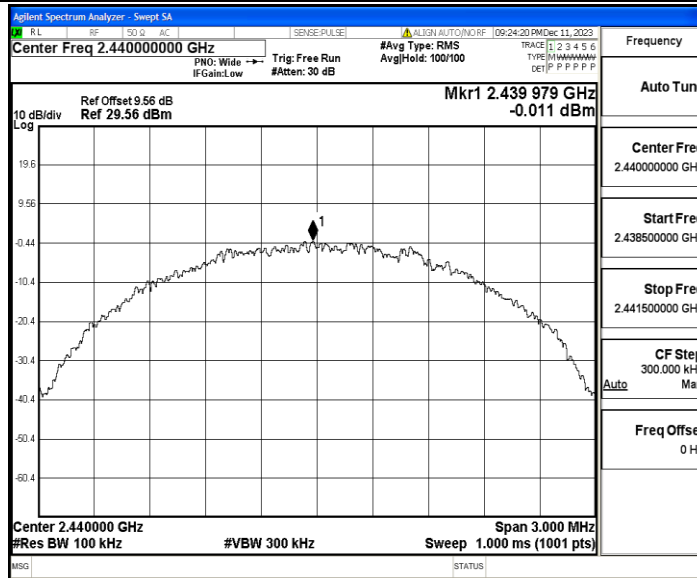
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2402	Reference	-0.40	-0.40	---	PASS
			30~1000	-0.40	-61.42	≤-20.4	PASS
			1000~26500	-0.40	-44.38	≤-20.4	PASS
		2440	Reference	-0.01	-0.01	---	PASS
			30~1000	-0.01	-62.13	≤-20.01	PASS
			1000~26500	-0.01	-44.62	≤-20.01	PASS
		2480	Reference	-0.31	-0.31	---	PASS
			30~1000	-0.31	-62.36	≤-20.31	PASS
			1000~26500	-0.31	-45.3	≤-20.31	PASS

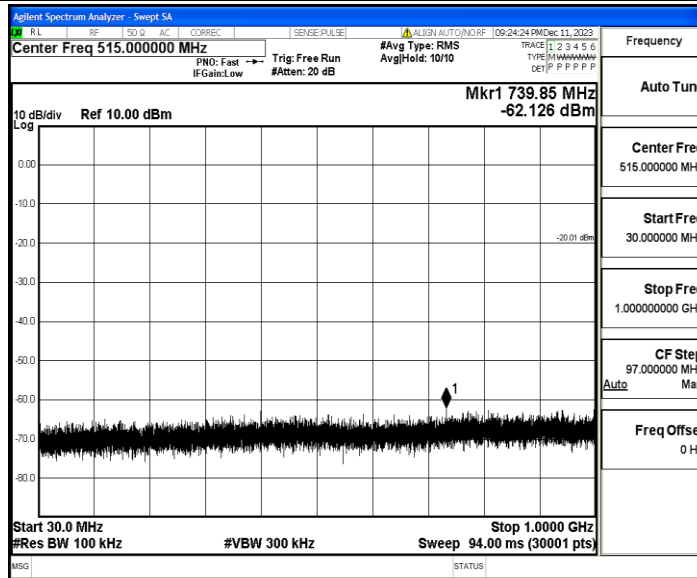
Test Graphs



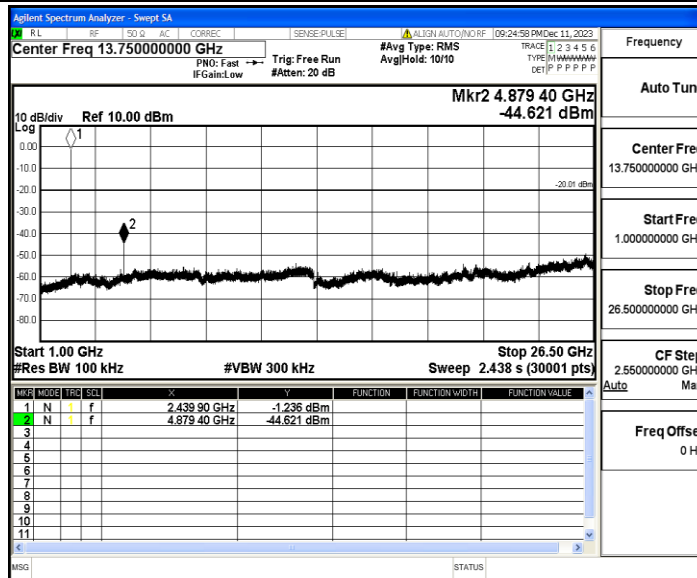
SRD_Ant1_2440_0~Reference



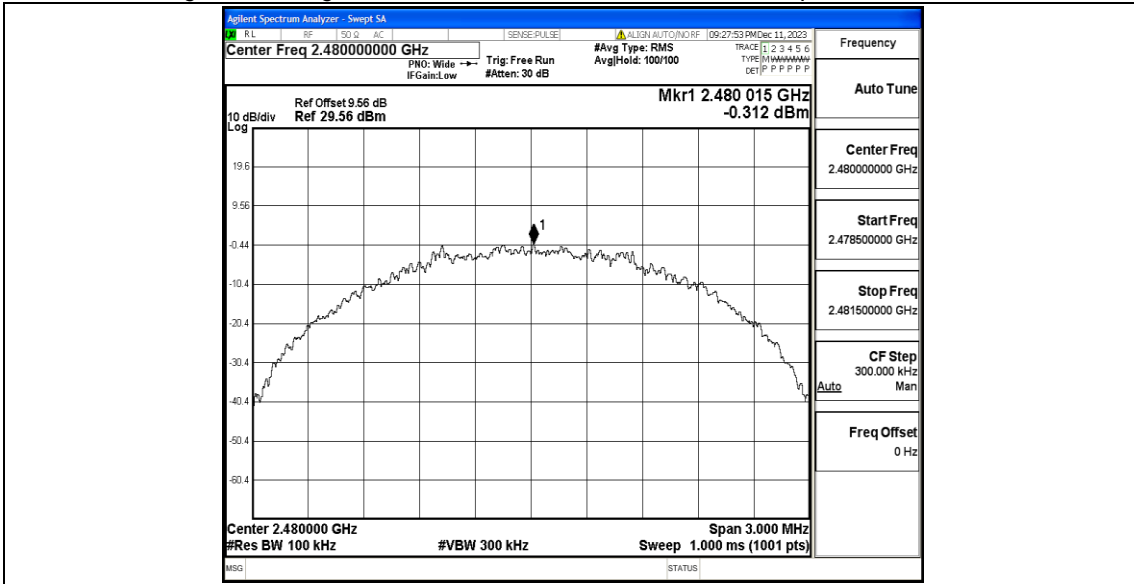
SRD_Ant1_2440_30~1000



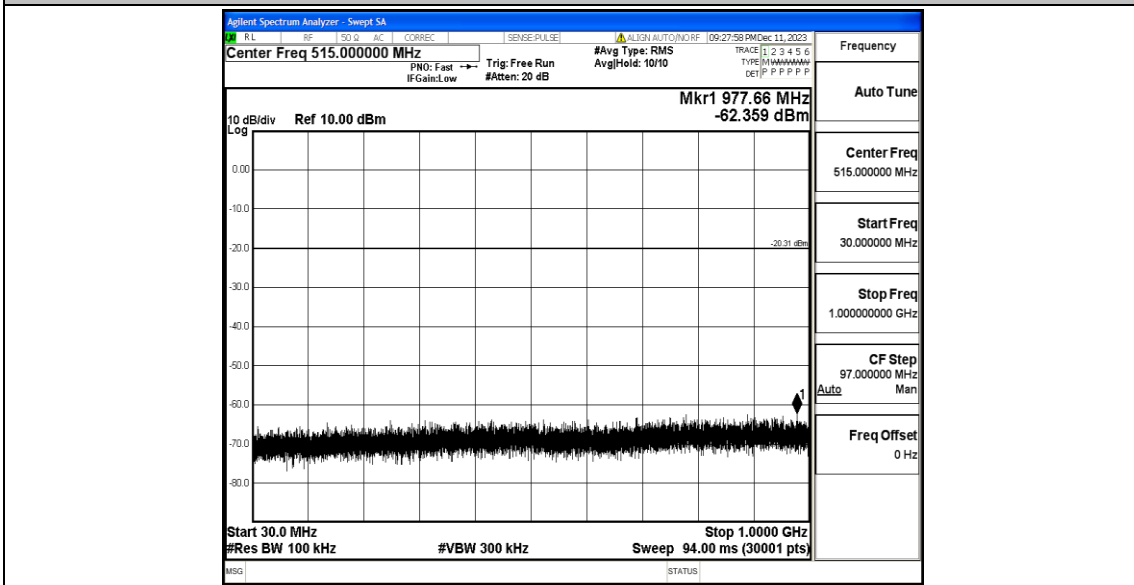
SRD_Ant1_2440_1000~26500



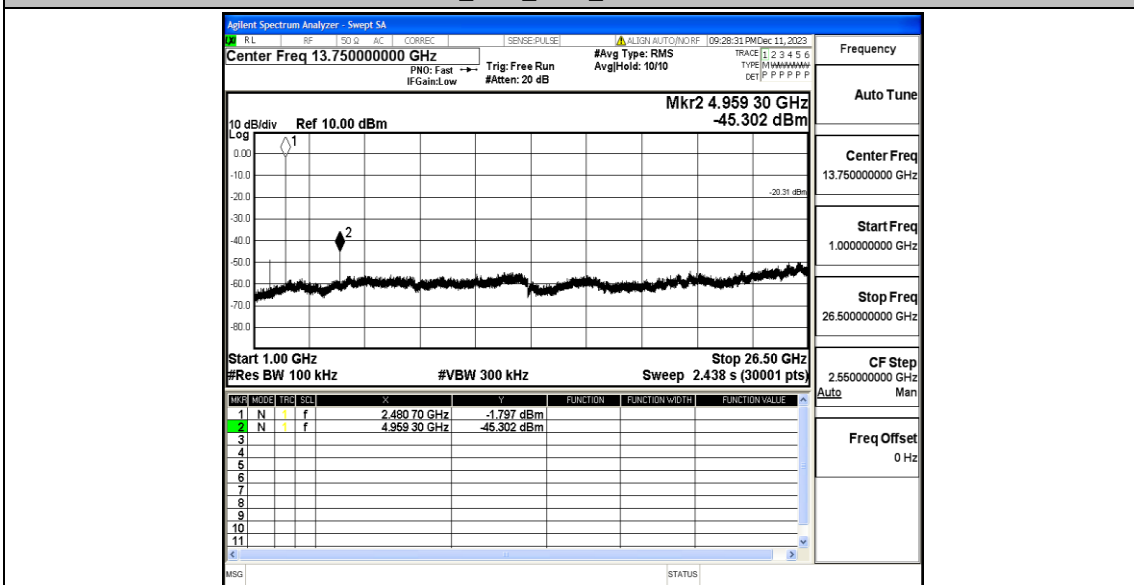
SRD_Ant1_2480_0~Reference



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	∞
		2440	0.00	0.00	100	∞
		2480	0.00	0.00	100	∞

Test Graphs



Appendix H: Emissions in Restricted Bands

Test Result

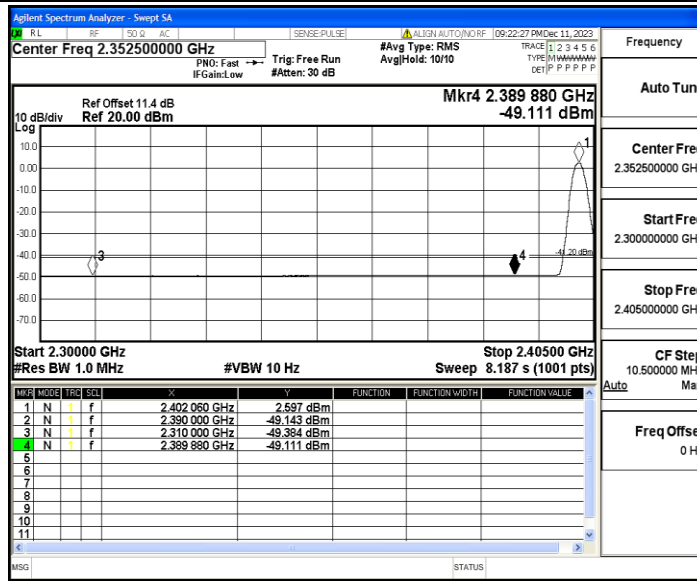
TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2402	AV	2310.000	-49.38	≤-41.20	PASS
				AV	2389.880	-49.11	≤-41.20	PASS
				AV	2390.000	-49.14	≤-41.20	PASS
				Peak	2310.000	-44.72	≤-21.20	PASS
				Peak	2366.990	-39.3	≤-21.20	PASS
				Peak	2390.000	-45.11	≤-21.20	PASS
		High	2480	AV	2483.500	-44.73	≤-41.20	PASS
				AV	2483.520	-44.73	≤-41.20	PASS
				AV	2500.000	-48.37	≤-41.20	PASS
				Peak	2483.500	-40.47	≤-21.20	PASS
				Peak	2493.440	-39.39	≤-21.20	PASS
				Peak	2500.000	-42.65	≤-21.20	PASS

Note:

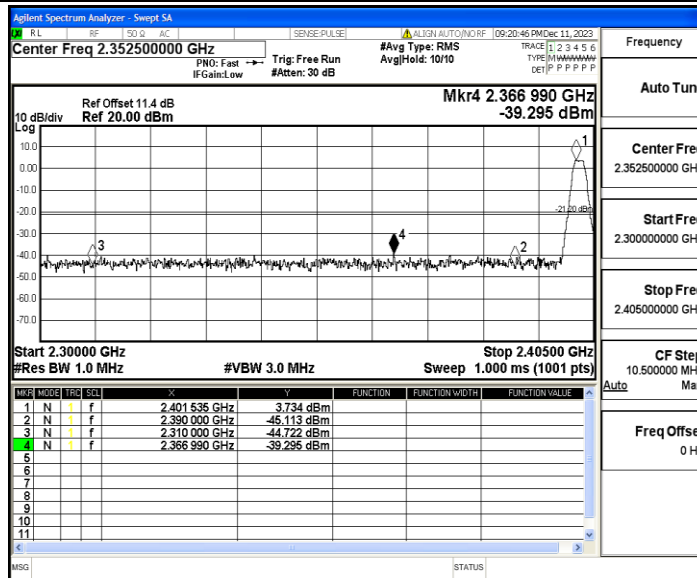
1. The Antenna Gain is compensated in the graph with 2dBi and Antenna Gain which is Higher.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

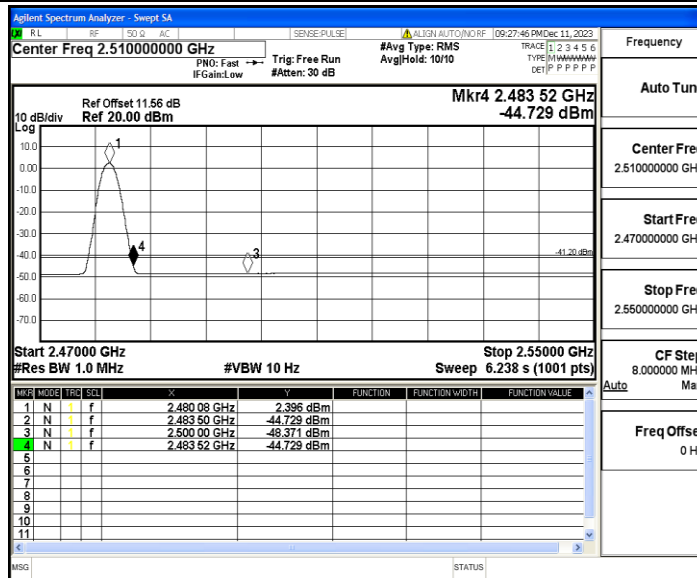
SRD_Ant1_Low_2402_AV



SRD_Ant1_Low_2402_Peak



SRD_Ant1_High_2480_AV



SRD_Ant1_High_2480_Peak

