

Appendix Test Data for SRD (Conducted Measurement)

Product Name: D84 Mechanical keyboard

Trade Mark: DUSTSILVER

Test Model: D84

FCC ID: 2A7D6-D84

Environmental Conditions

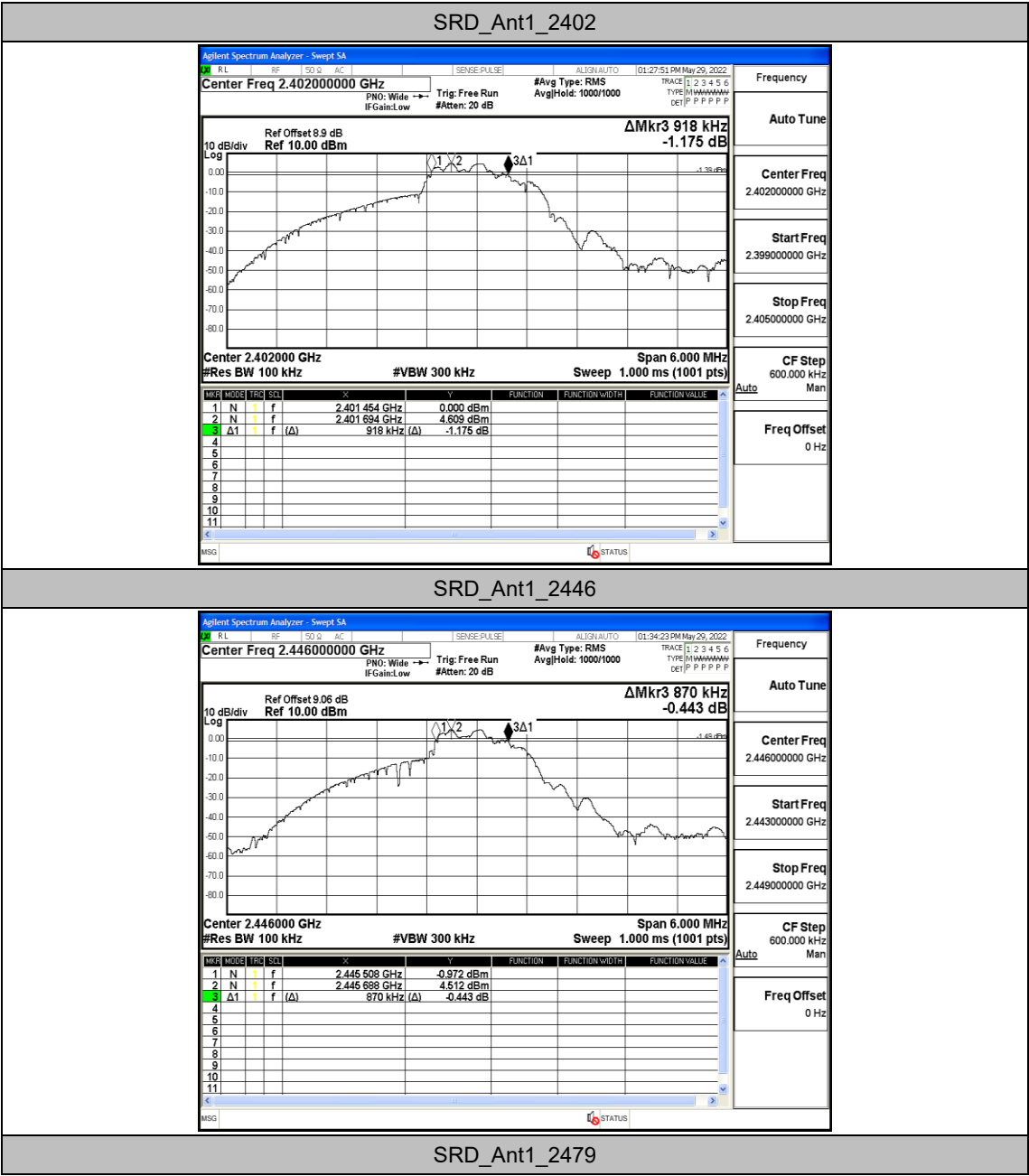
Temperature:	22.7℃
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

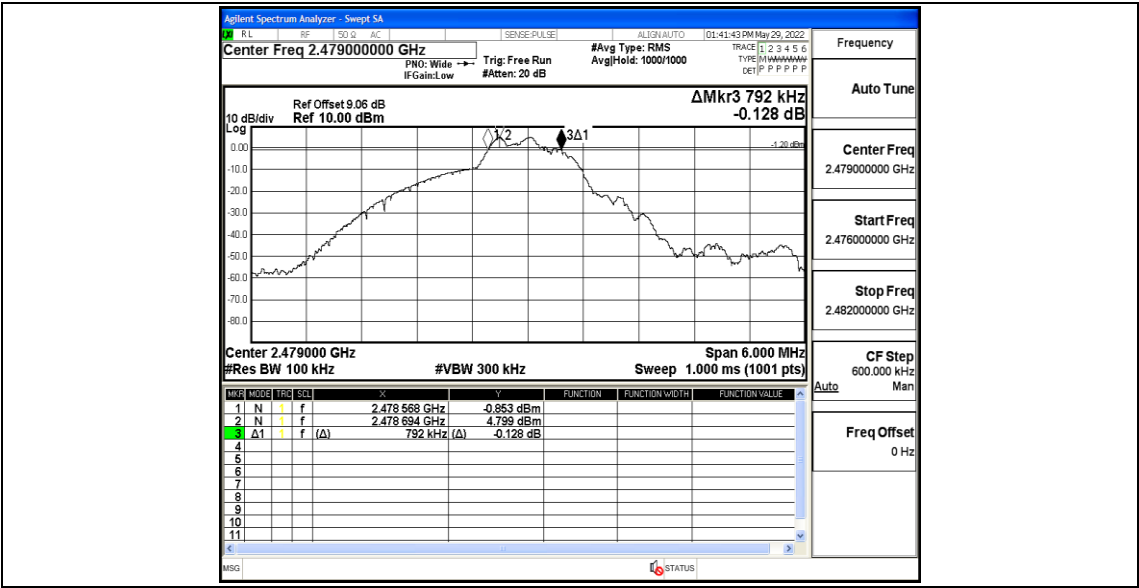
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	0.918	2401.454	2402.372	0.5	PASS
		2446	0.870	2445.508	2446.378	0.5	PASS
		2479	0.792	2478.568	2479.360	0.5	PASS

Test Graphs





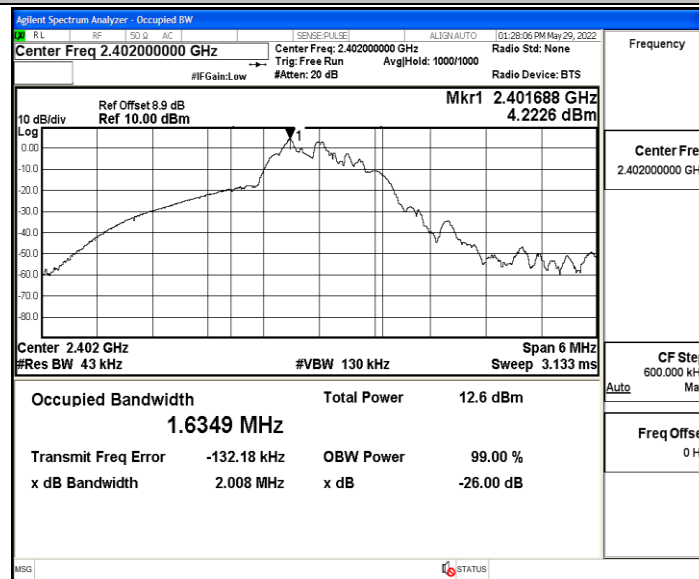
Appendix B: Occupied Channel Bandwidth

Test Result

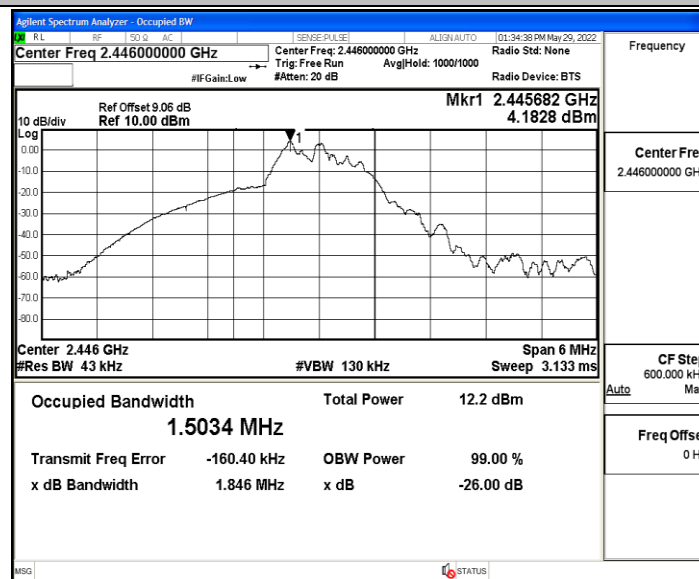
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	1.6349	2401.050	2402.685	---	---
		2446	1.5034	2445.088	2446.591	---	---
		2479	1.4123	2478.135	2479.547	---	---

Test Graphs

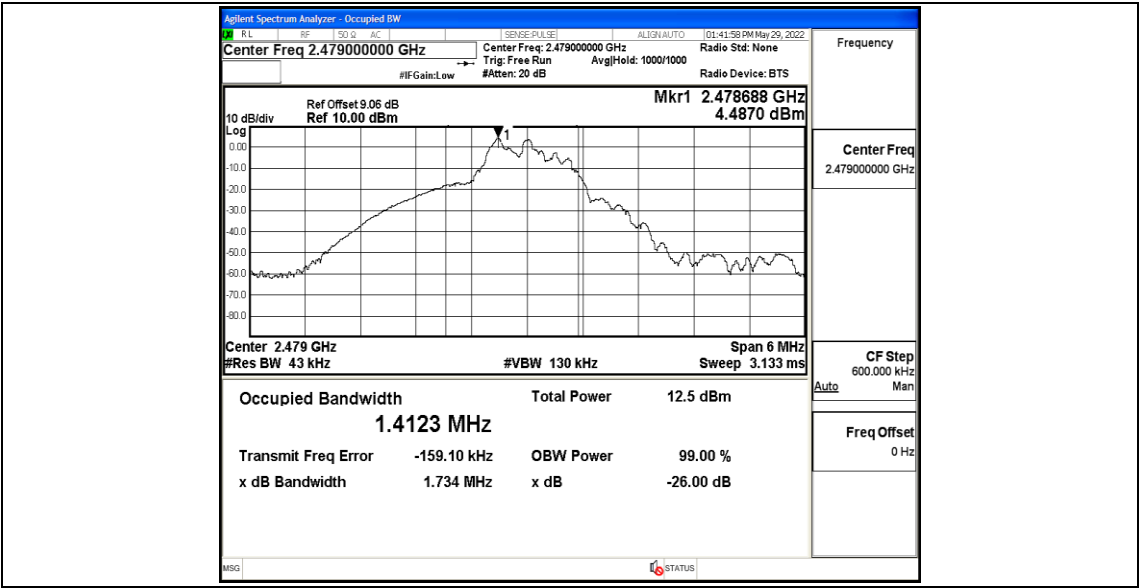
SRD_Ant1_2402



SRD_Ant1_2446



SRD_Ant1_2479

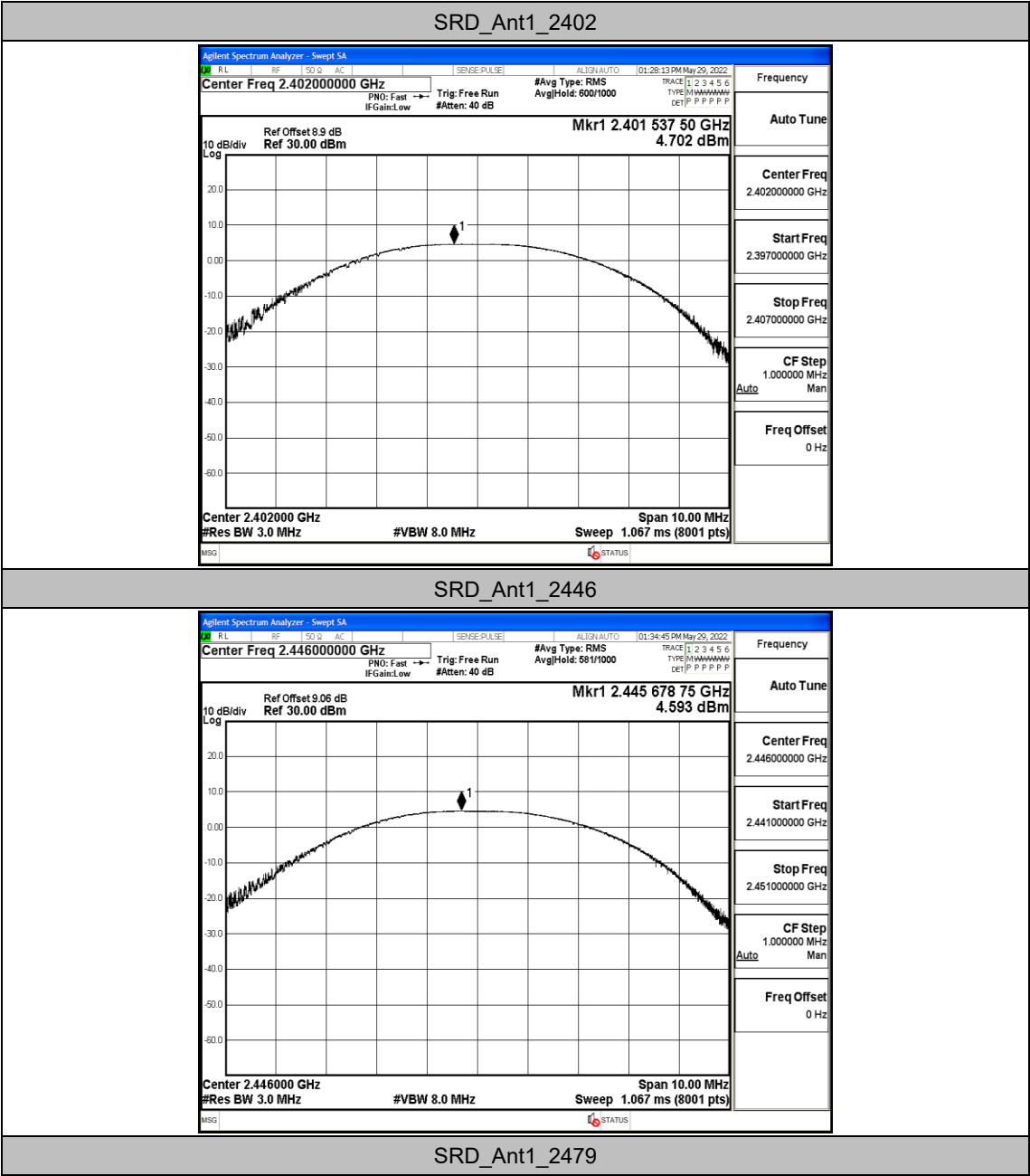


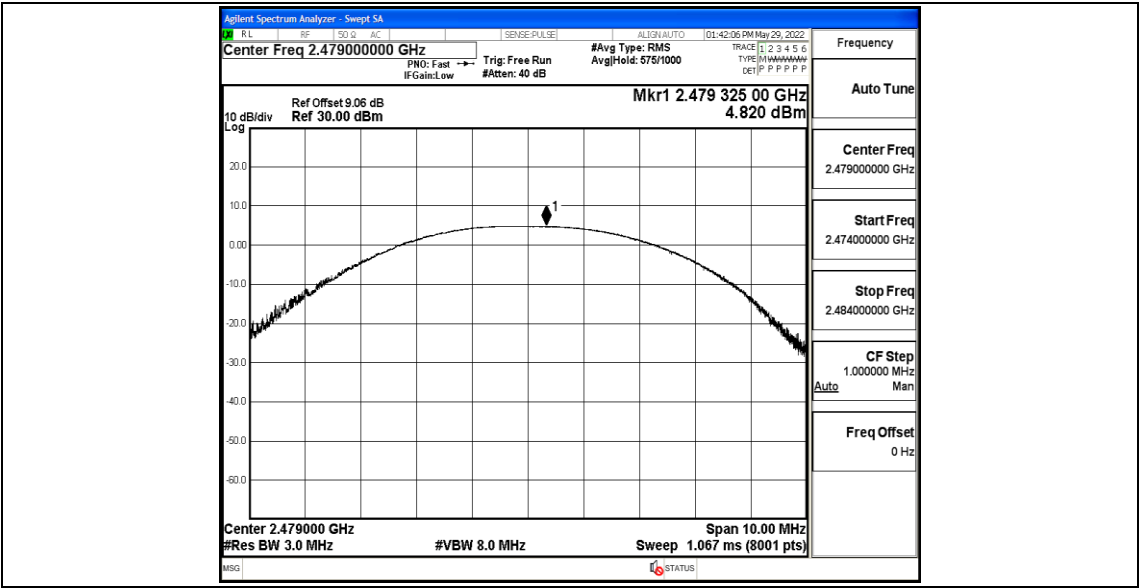
Appendix C: Maximum Peak conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2402	4.7	≤30	PASS
		2446	4.59	≤30	PASS
		2479	4.82	≤30	PASS

Test Graphs



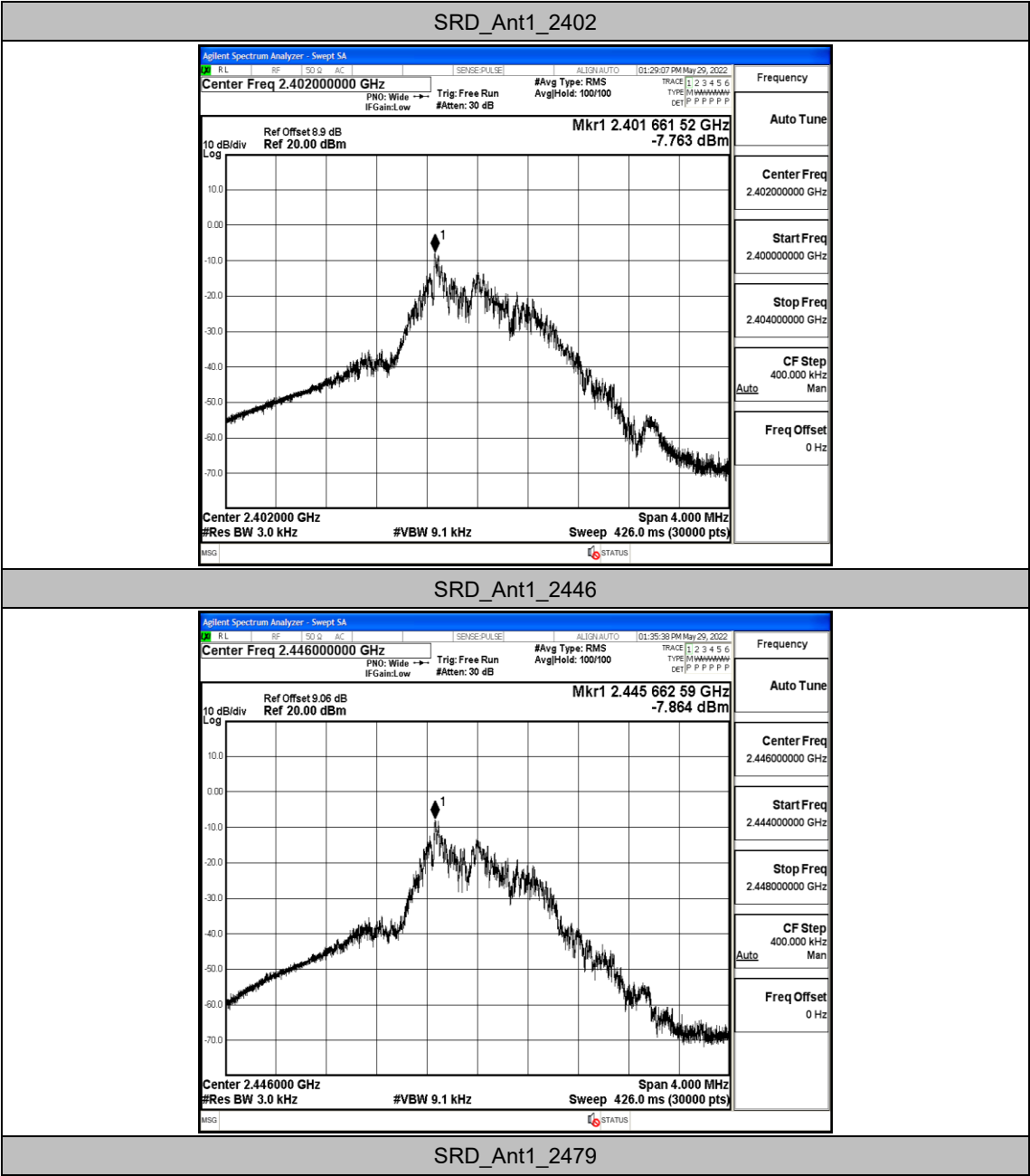


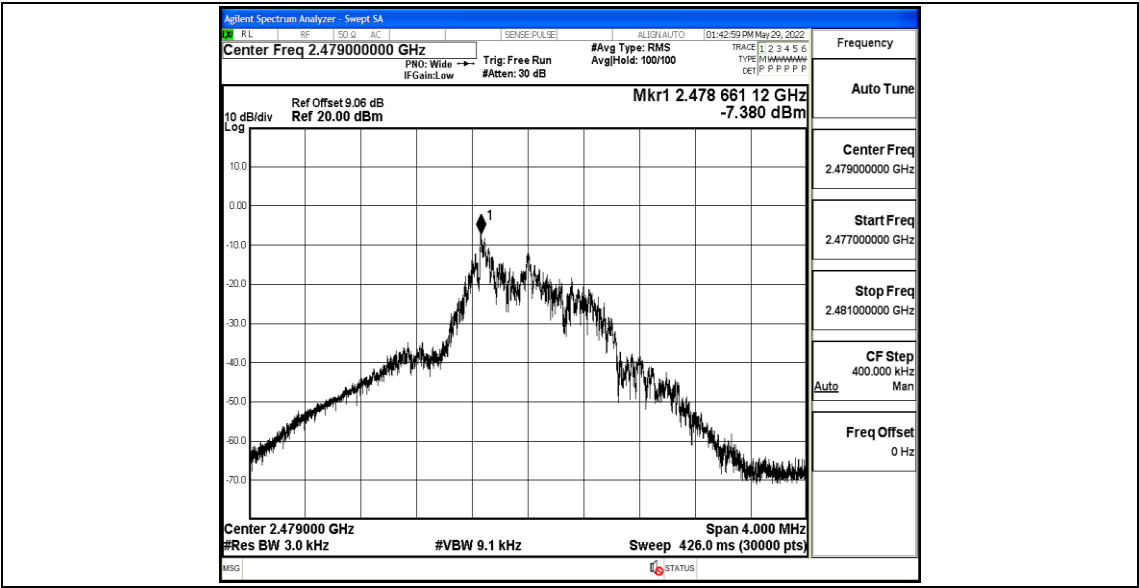
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	2402	-7.76	≤8.00	PASS
		2446	-7.86	≤8.00	PASS
		2479	-7.38	≤8.00	PASS

Test Graphs





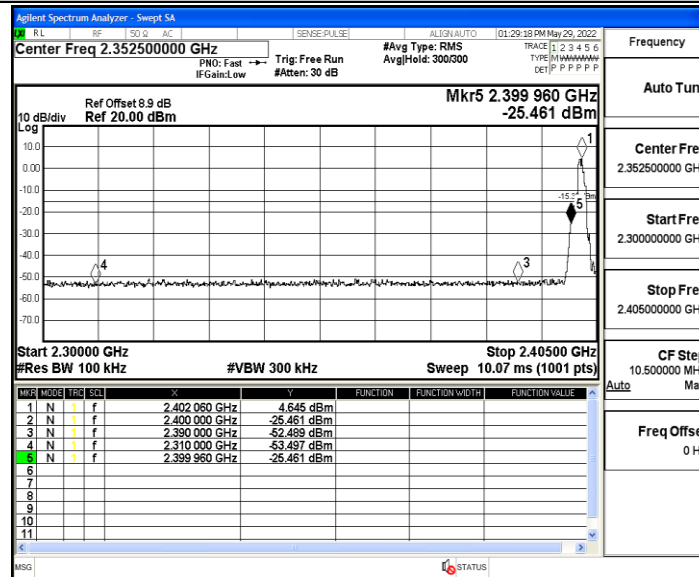
Appendix E: Band edge measurements

Test Result

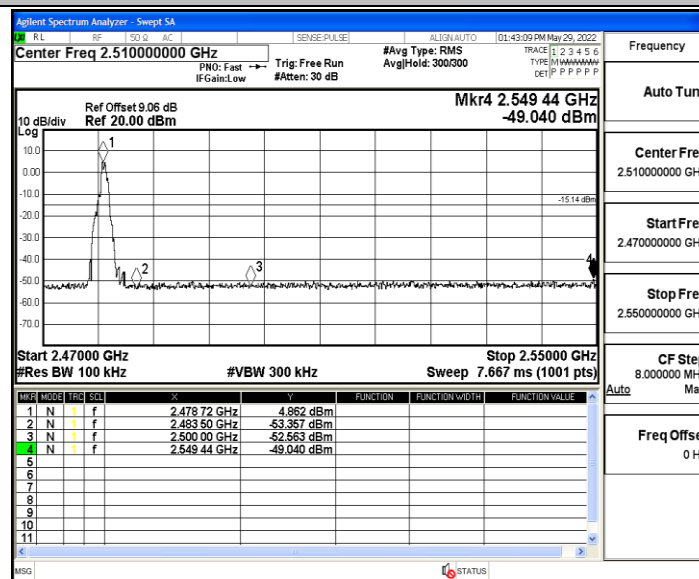
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	Low	2402	4.65	-25.46	≤-15.36	PASS
		High	2479	4.86	-49.04	≤-15.14	PASS

Test Graphs

SRD_Ant1_Low_2402



SRD_Ant1_High_2479

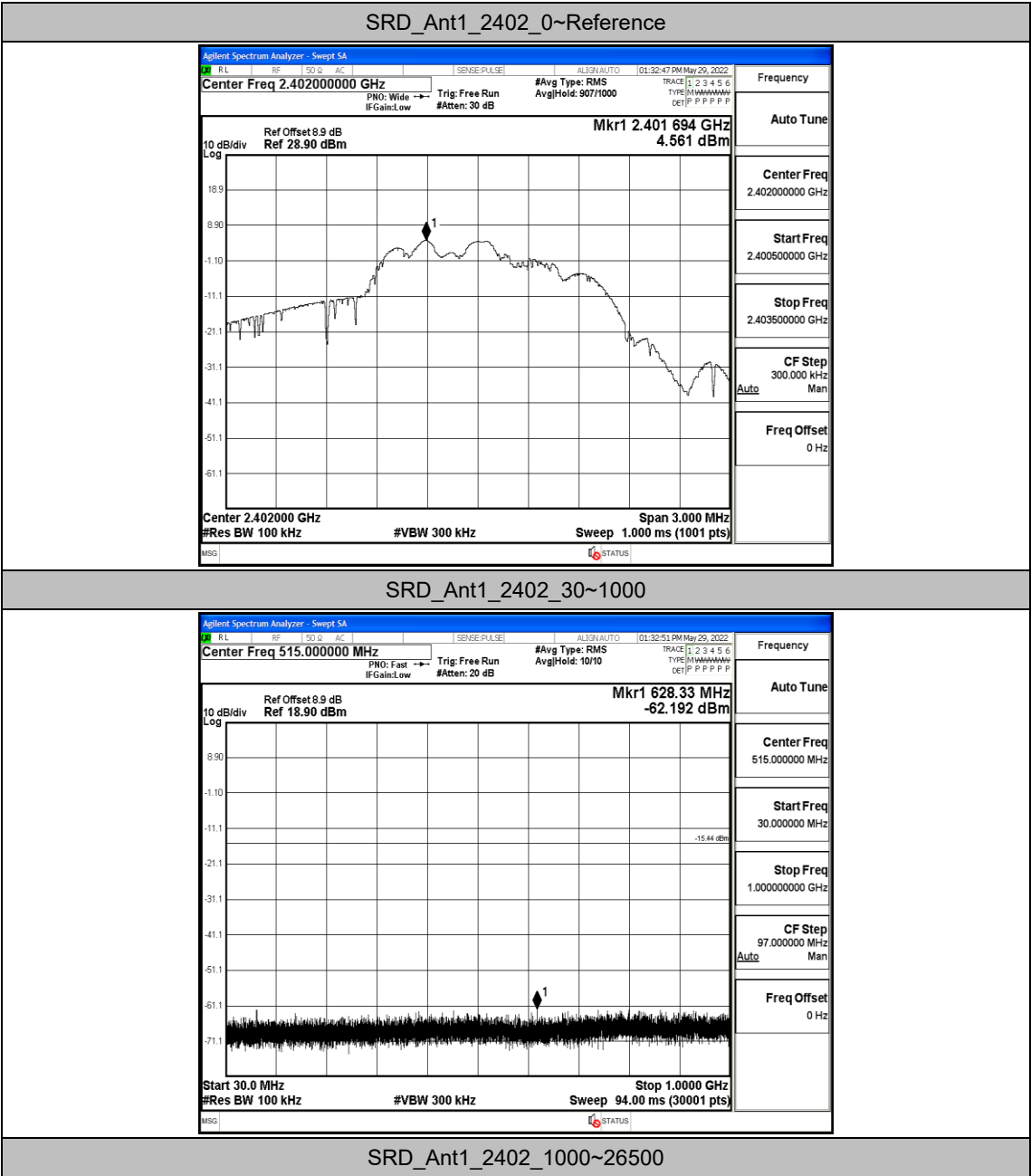


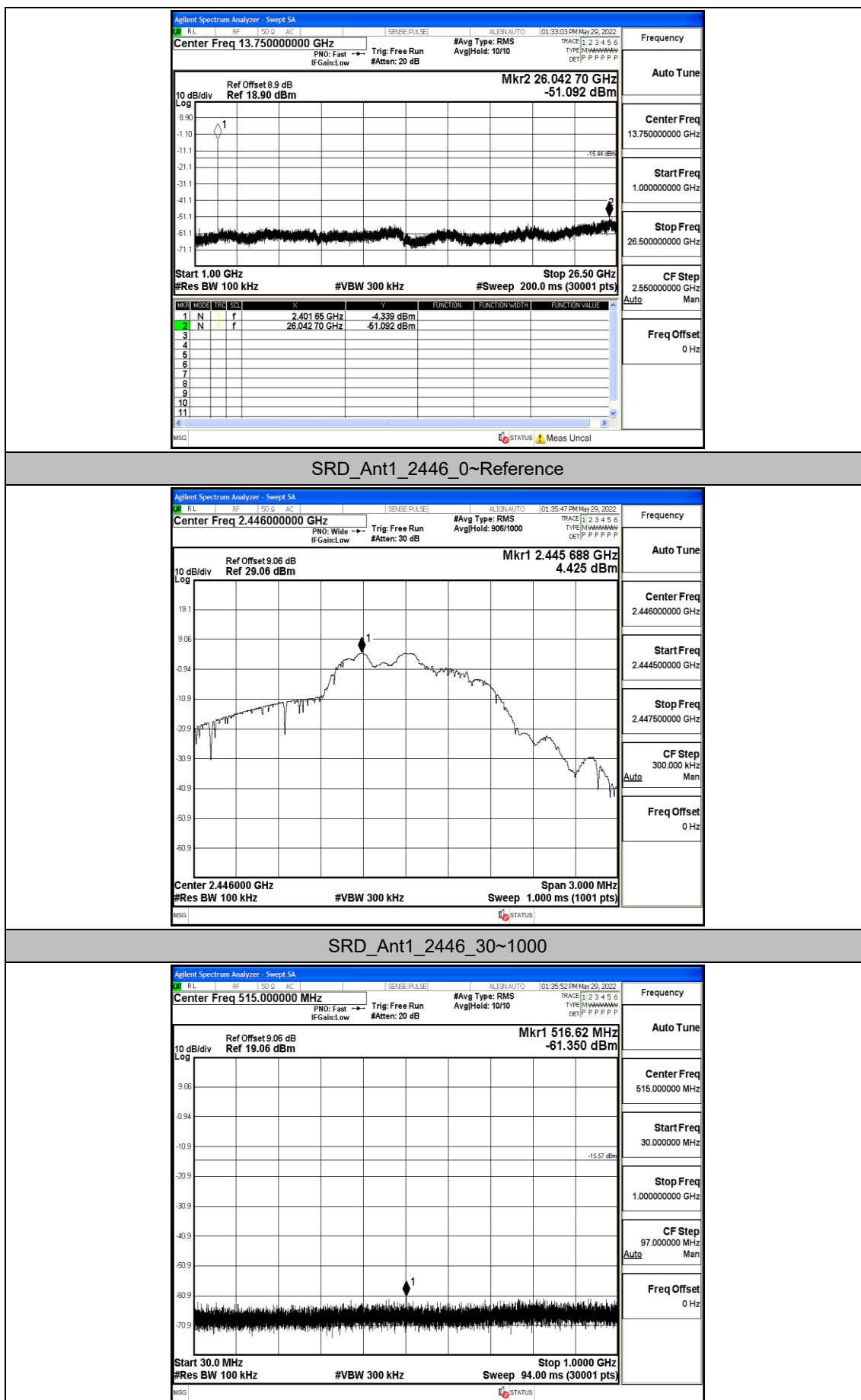
Appendix F: Conducted Spurious Emission

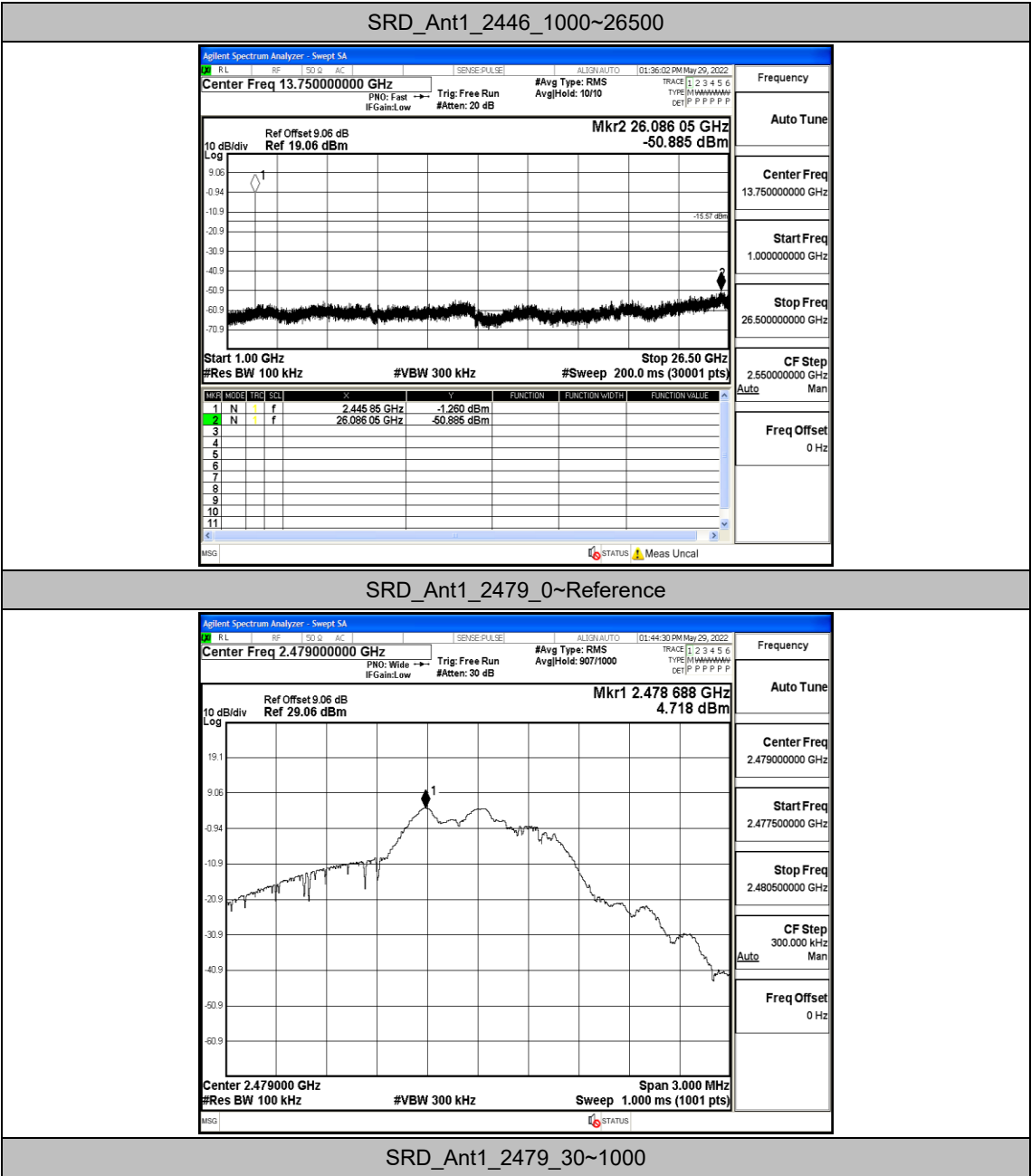
Test Result

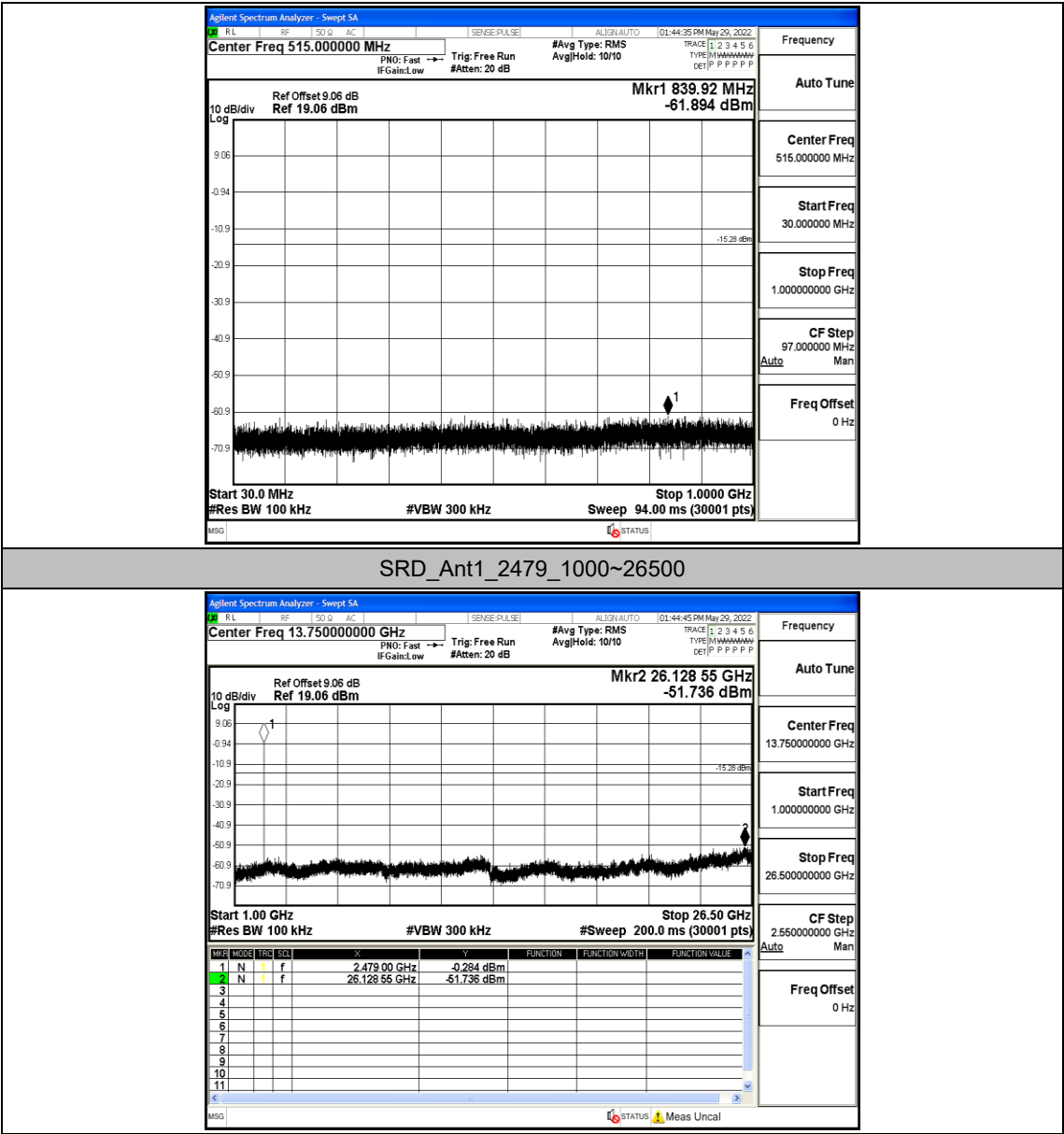
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2402	Reference	4.56	4.56	---	PASS
			30~1000	4.56	-62.19	≤-15.44	PASS
			1000~26500	4.56	-51.09	≤-15.44	PASS
		2446	Reference	4.43	4.43	---	PASS
			30~1000	4.43	-61.35	≤-15.57	PASS
			1000~26500	4.43	-50.89	≤-15.57	PASS
		2479	Reference	4.72	4.72	---	PASS
			30~1000	4.72	-61.89	≤-15.28	PASS
			1000~26500	4.72	-51.74	≤-15.28	PASS

Test Graphs









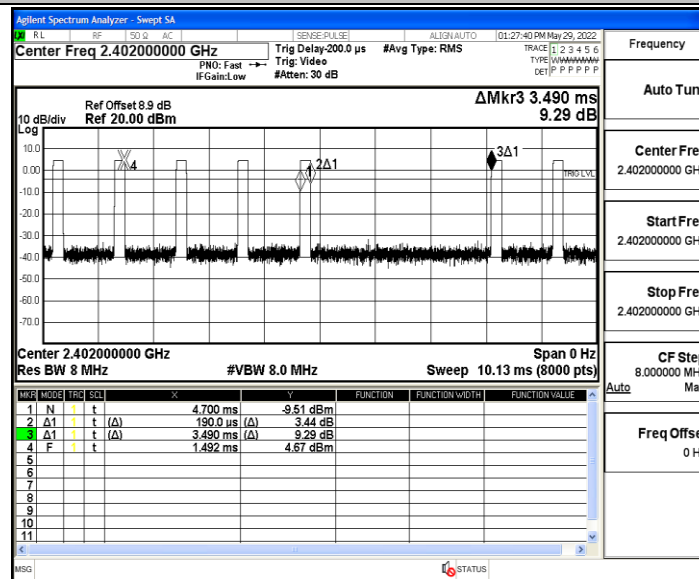
Appendix G: Duty Cycle

Test Result

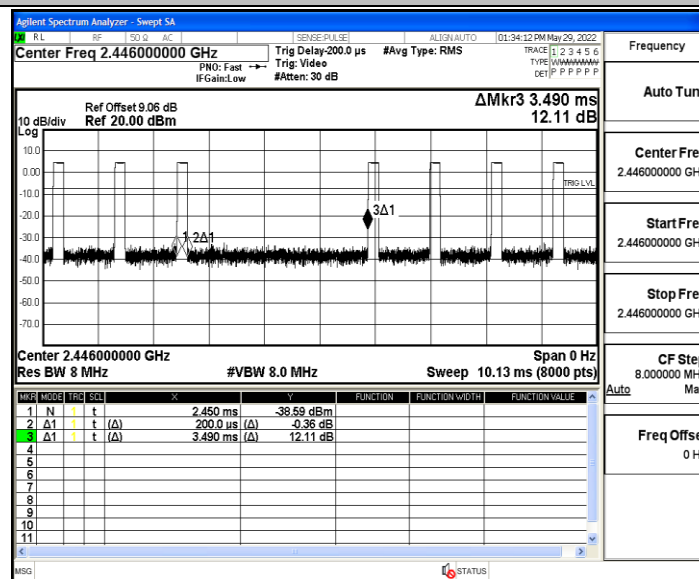
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T
SRD	Ant1	2402	0.19	3.49	5.44	5.26
		2446	0.20	3.49	5.73	5.00
		2479	0.19	3.49	5.44	5.26

Test Graphs

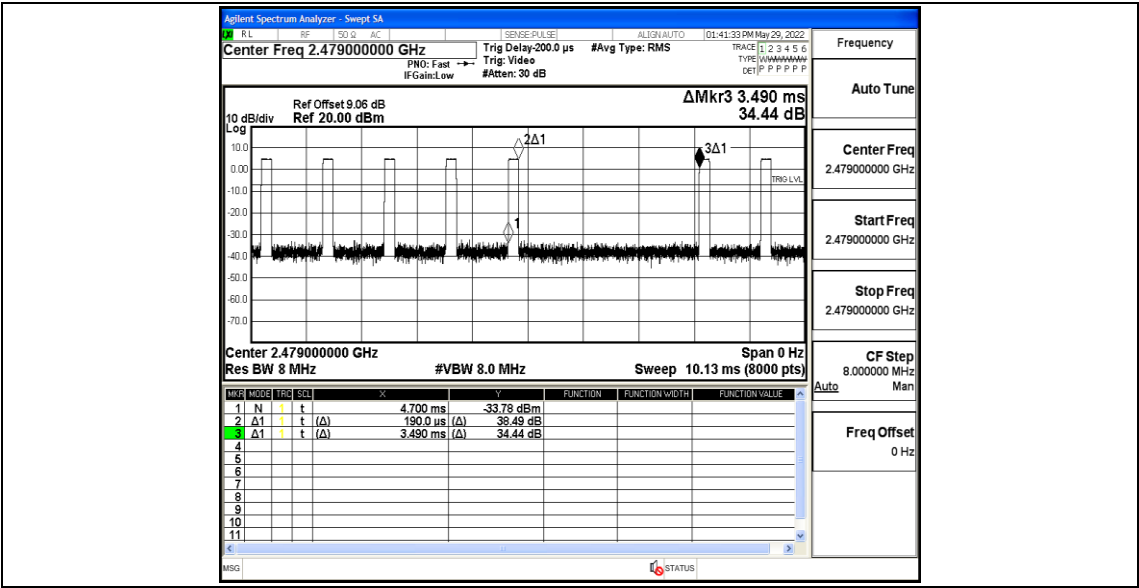
SRD_Ant1_2402



SRD_Ant1_2446



SRD_Ant1_2479



Appendix H: Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2402	Peak	2310.000	-41.69	≤-21.20	PASS
				Peak	2357.855	-38.59	≤-21.20	PASS
				Peak	2390.000	-42.54	≤-21.20	PASS
		High	2479	Peak	2483.500	-41.05	≤-21.20	PASS
				Peak	2497.280	-38.88	≤-21.20	PASS
				Peak	2500.000	-40.61	≤-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

