

RF Test Data for SRD (Conducted Measurement)

Product Name: SendX Wireless Audio Transmitter/Receiver

Trade Mark: SendX Audio

Test Model: FK702

FCC ID: 2A27D-FK702

Environmental Conditions

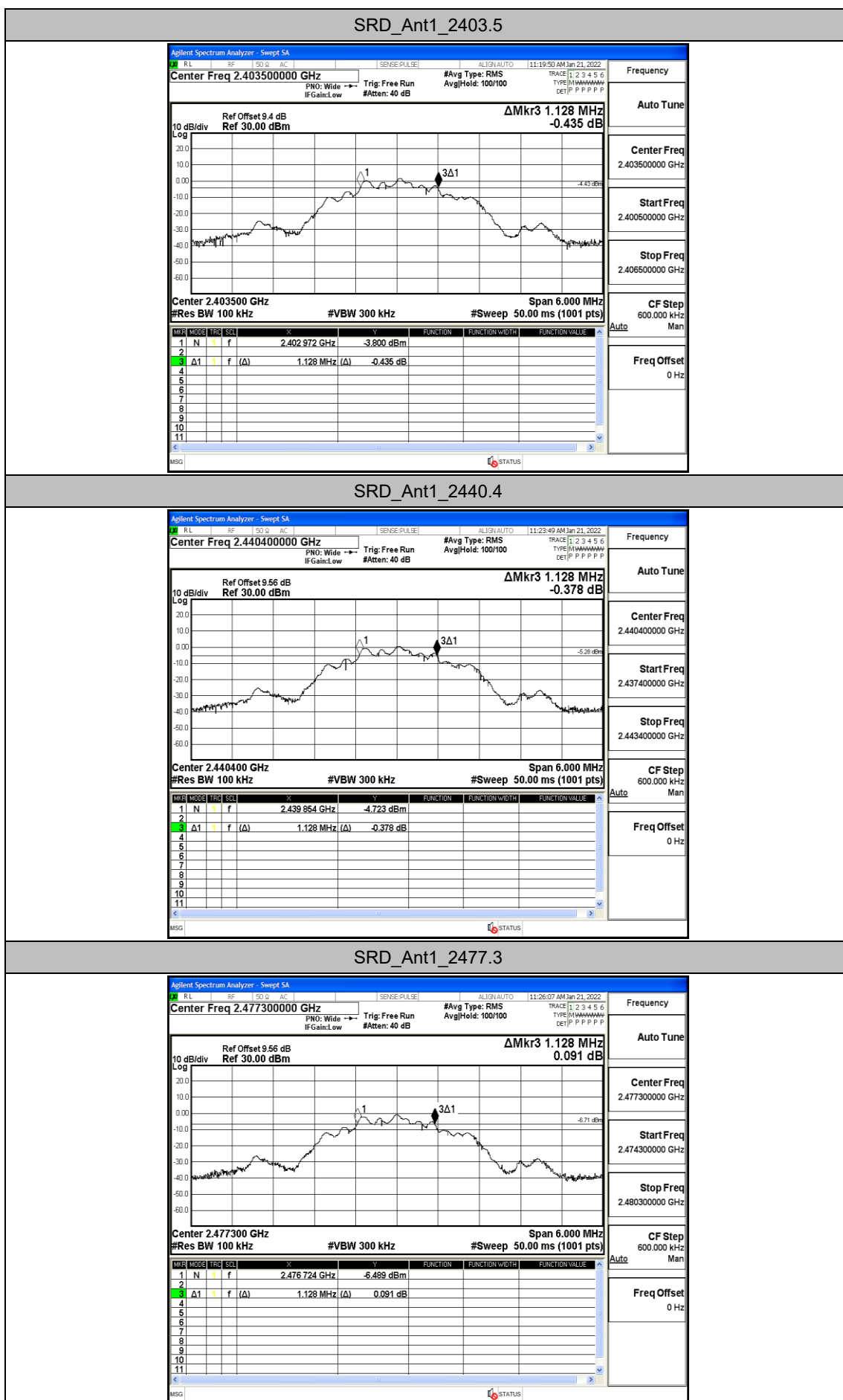
Temperature:	23.8°C
Relative Humidity:	52%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2403.5	1.128	2402.972	2404.100	0.5	PASS
		2440.4	1.128	2439.854	2440.982	0.5	PASS
		2477.3	1.128	2476.724	2477.852	0.5	PASS

Test Graphs

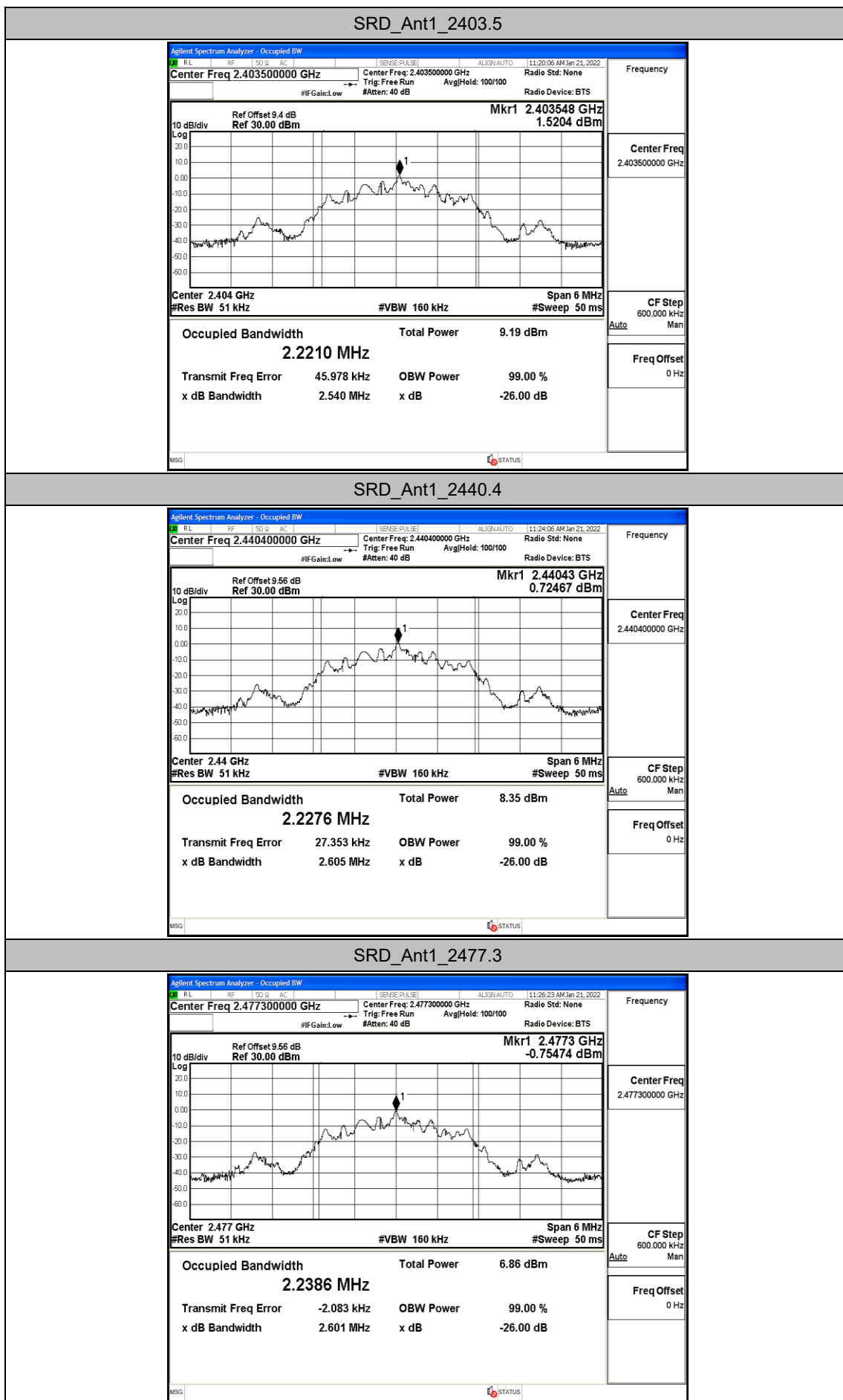


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2403.5	2.2210	2402.435	2404.656	---	PASS
		2440.4	2.2276	2439.314	2441.541	---	PASS
		2477.3	2.2386	2476.179	2478.417	---	PASS

Test Graphs

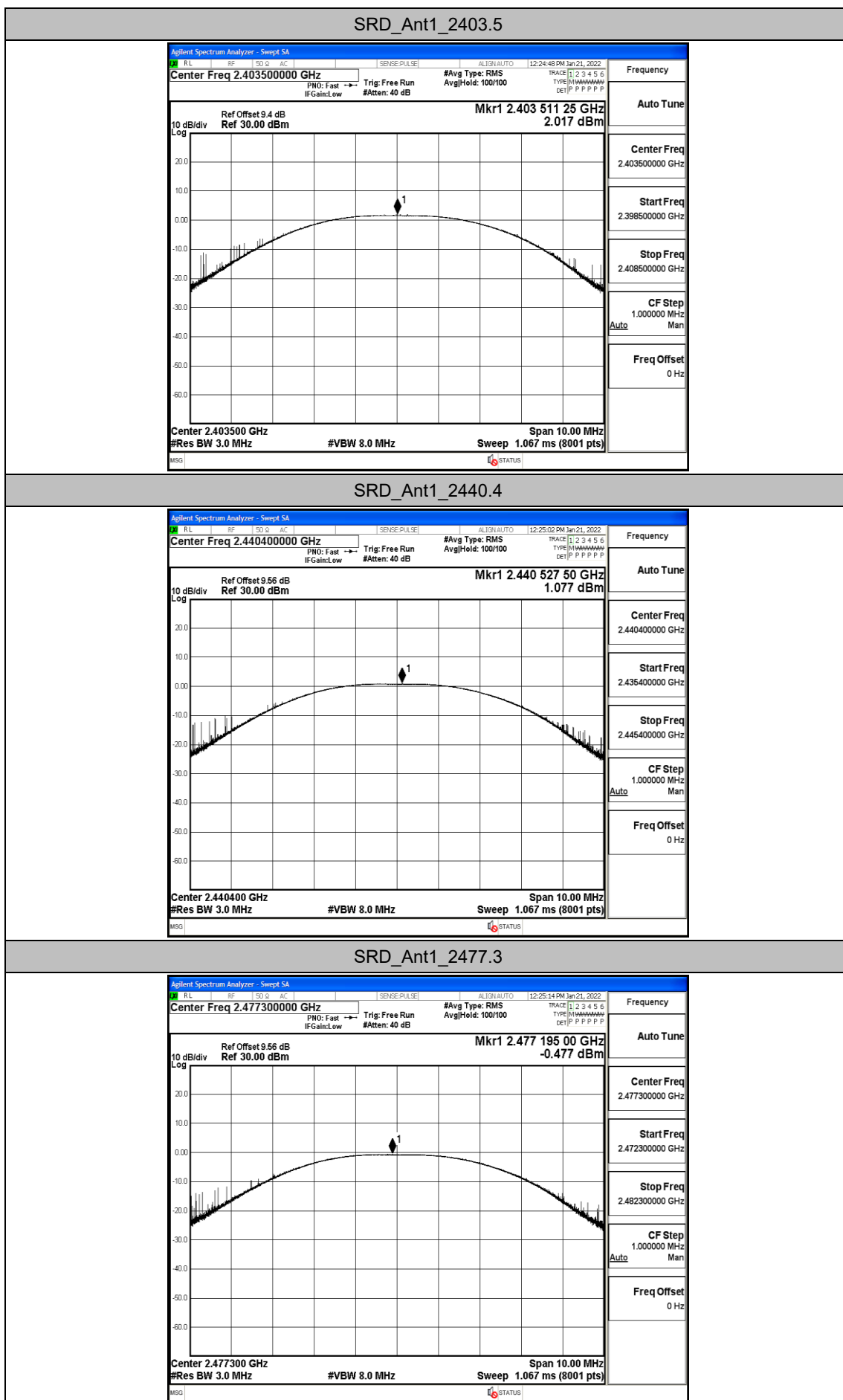


Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2403.5	2.02	≤30	PASS
		2440.4	1.08	≤30	PASS
		2477.3	-0.48	≤30	PASS

Test Graphs

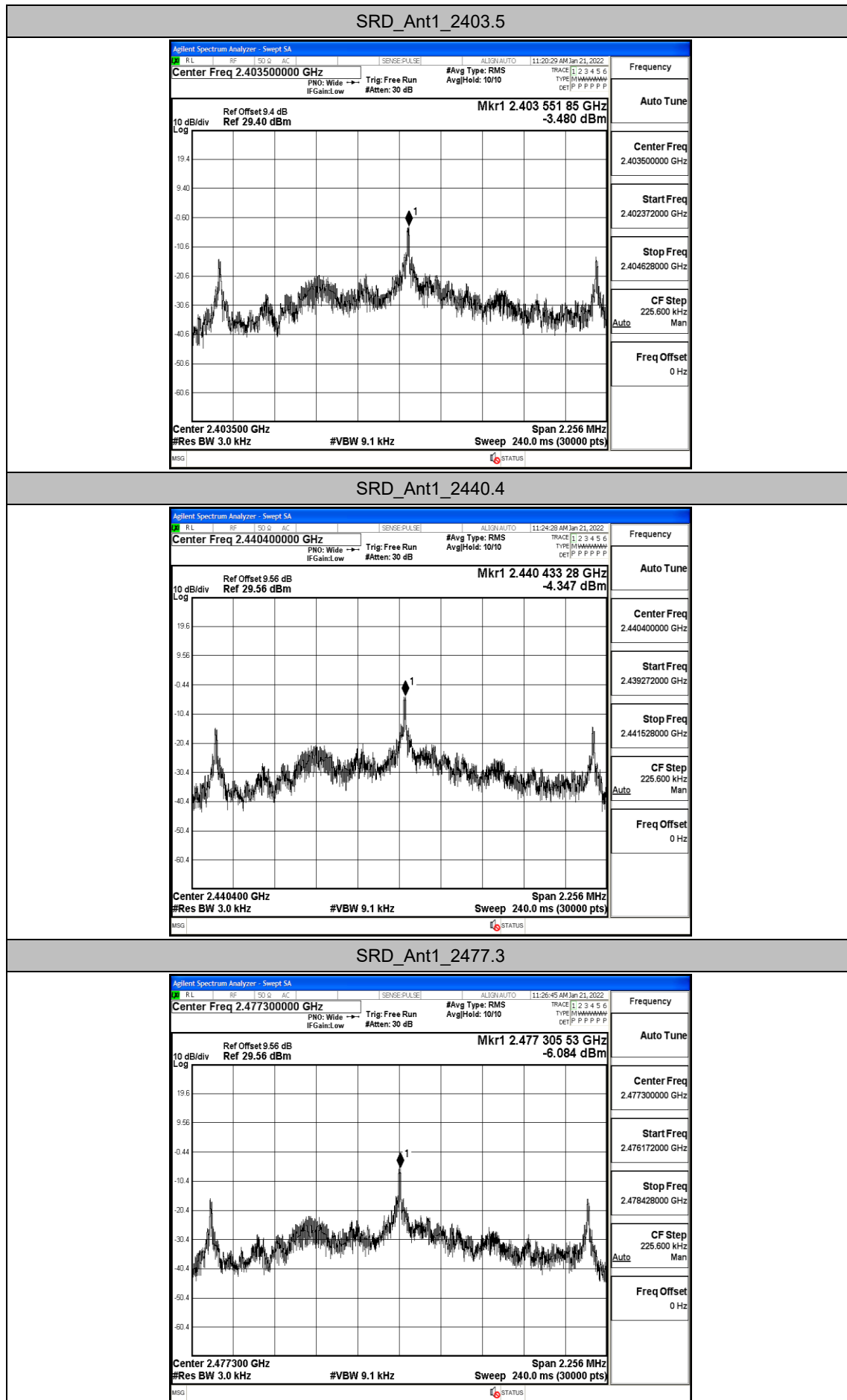


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	2403.5	-3.48	≤8	PASS
		2440.4	-4.35	≤8	PASS
		2477.3	-6.08	≤8	PASS

Test Graphs



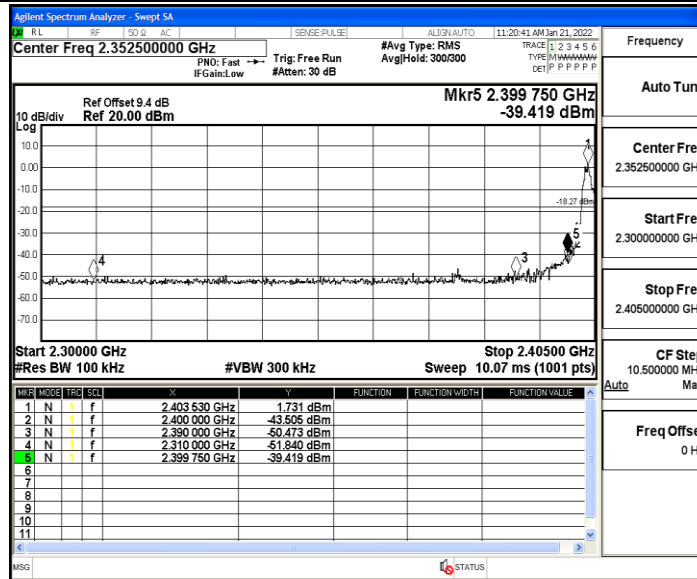
Appendix E: Band edge measurements

Test Result

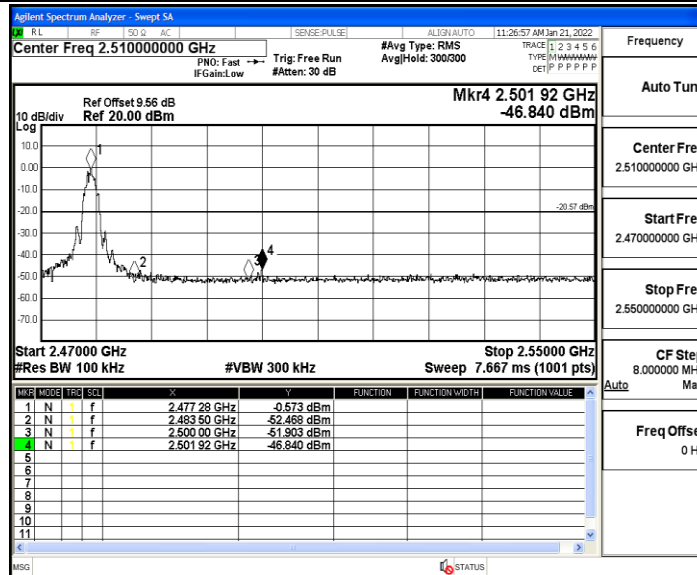
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	Low	2403.5	1.73	-39.42	≤-18.27	PASS
		High	2477.3	-0.57	-46.84	≤-20.57	PASS

Test Graphs

SRD_Ant1_Low_2403.5



SRD_Ant1_High_2477.3

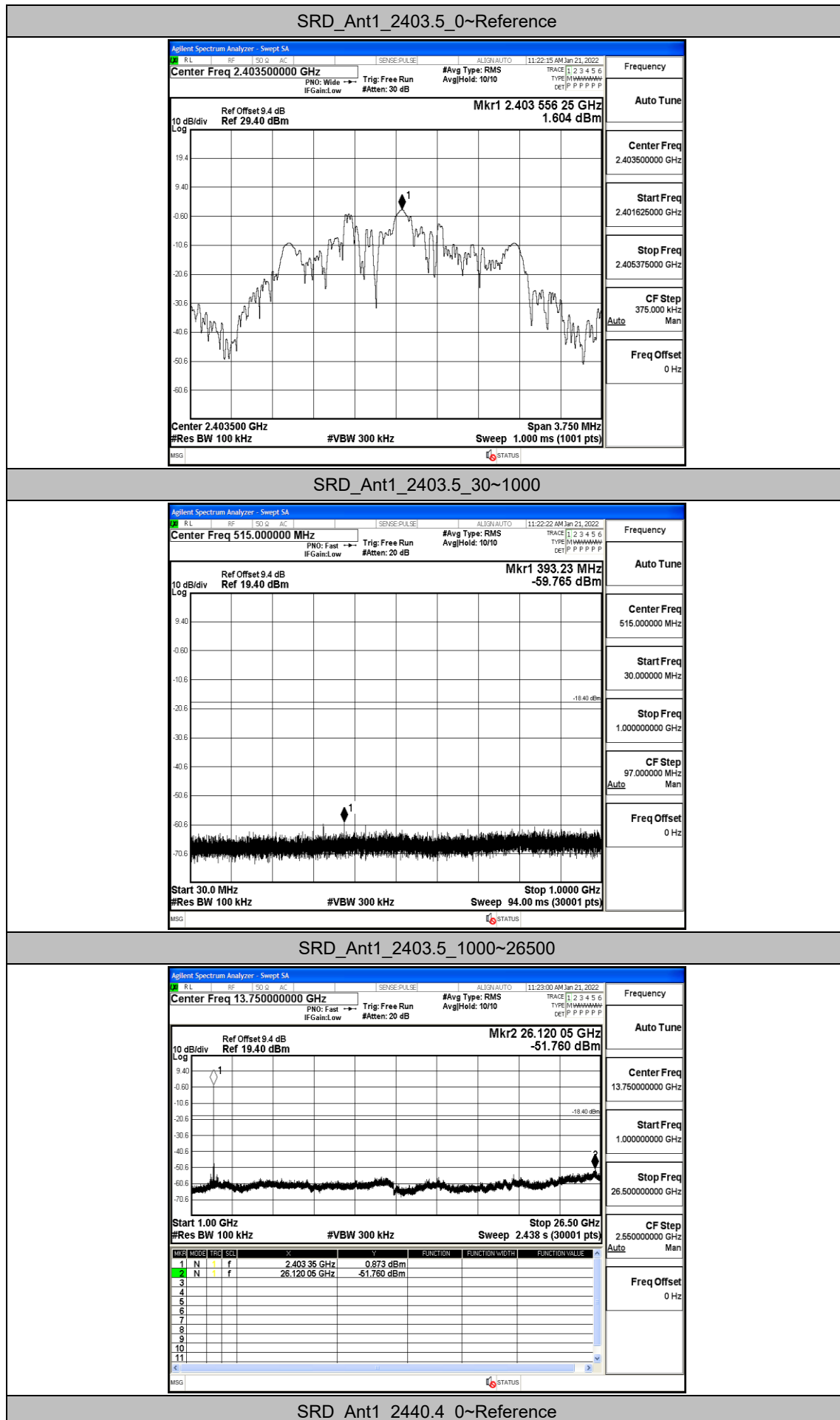


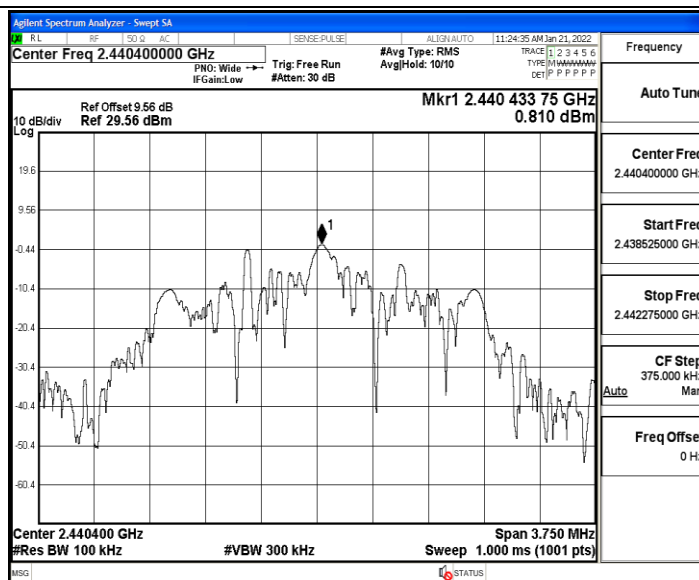
Appendix F: Conducted Spurious Emission

Test Result

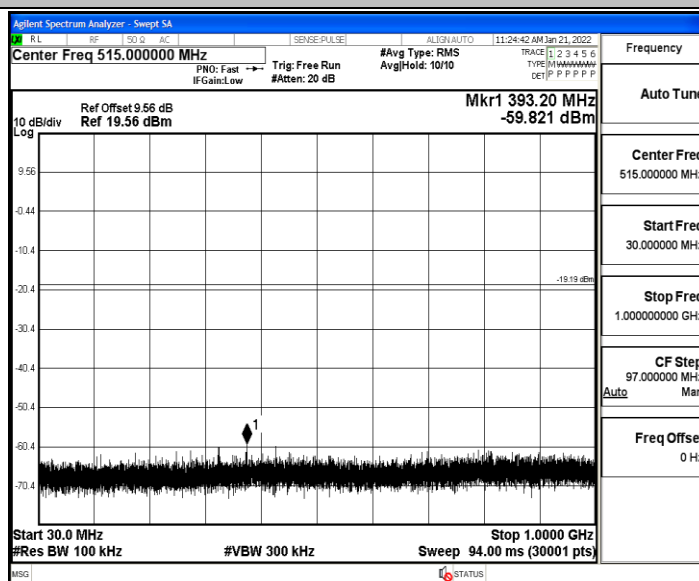
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2403.5	Reference	1.60	1.60	---	PASS
			30~1000	1.60	-59.77	≤-18.4	PASS
			1000~26500	1.60	-51.76	≤-18.4	PASS
		2440.4	Reference	0.81	0.81	---	PASS
			30~1000	0.81	-59.82	≤-19.19	PASS
			1000~26500	0.81	-52.42	≤-19.19	PASS
		2477.3	Reference	-1.28	-1.28	---	PASS
			30~1000	-1.28	-59.32	≤-21.28	PASS
			1000~26500	-1.28	-50.41	≤-21.28	PASS

Test Graphs

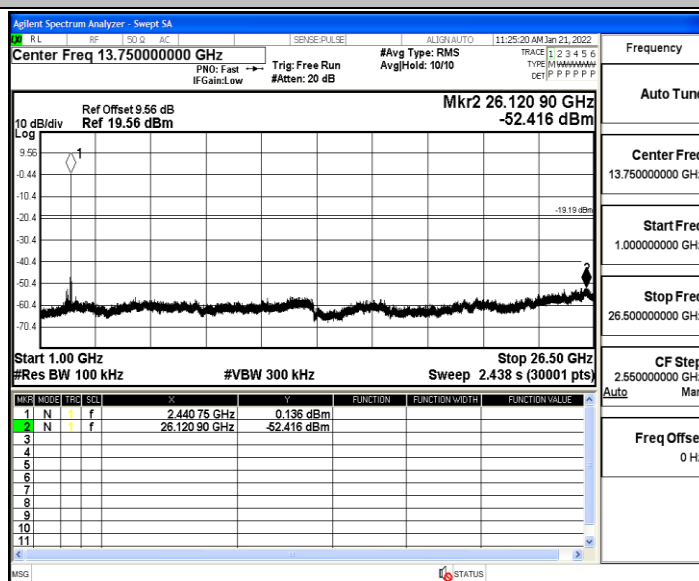




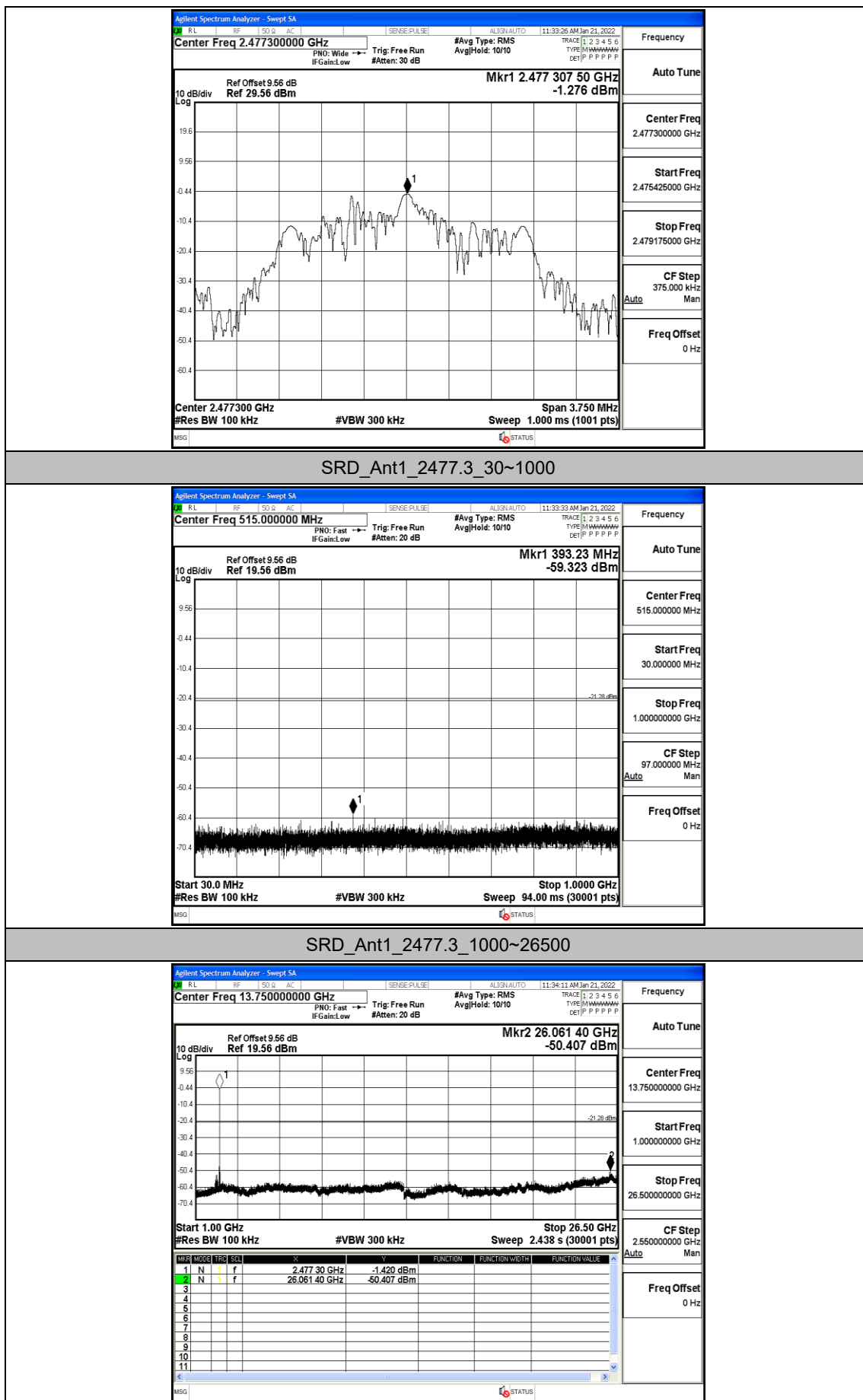
SRD_Ant1_2440.4_30~1000



SRD_Ant1_2440.4_1000~26500



SRD_Ant1_2477.3_0~Reference

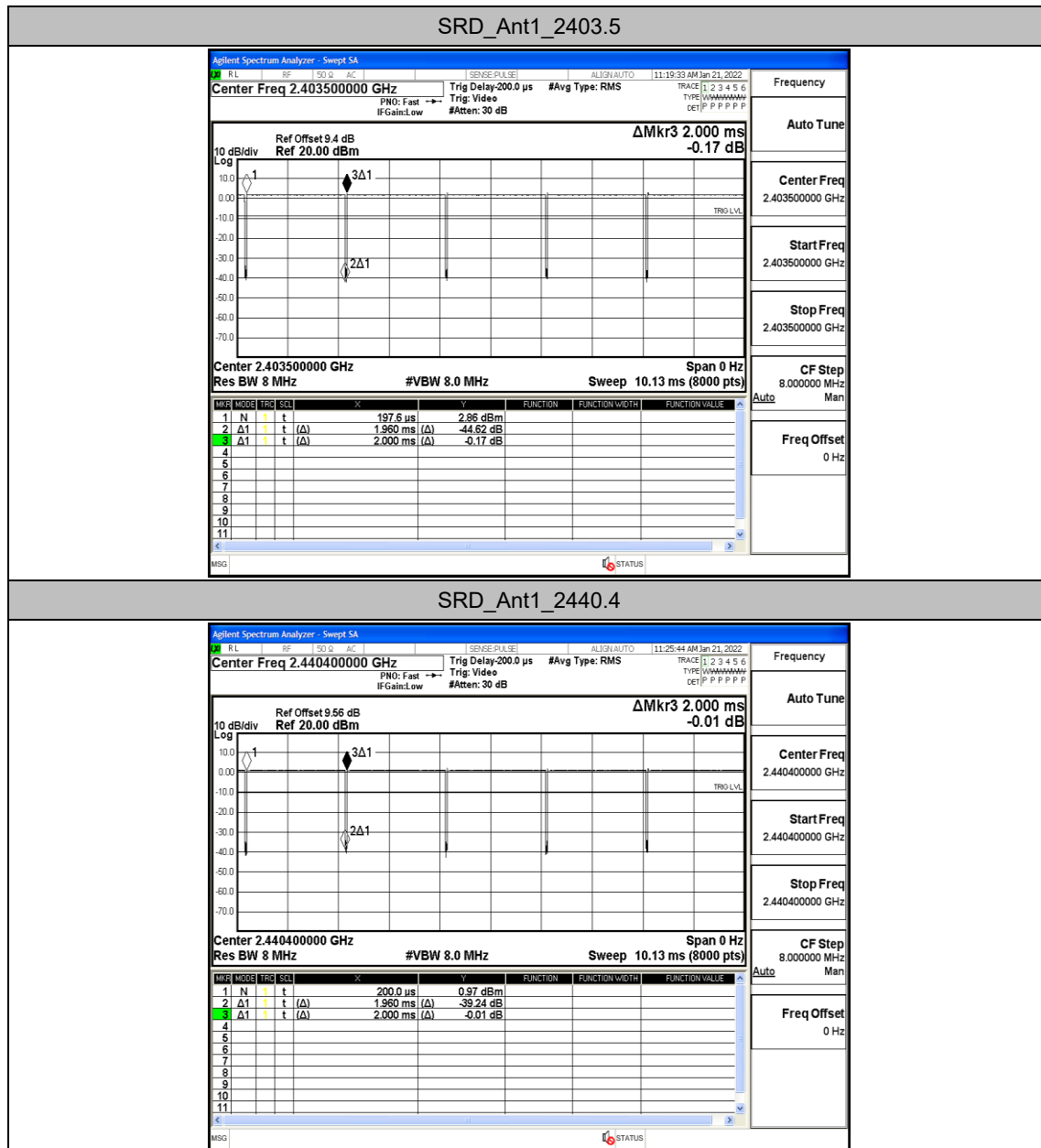


Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
SRD	Ant1	2403.5	1.96	2.00	98.00	0.51
		2440.4	1.96	2.00	98.00	0.51

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	2403.5	AV	2310.000	-47.31	≤-41.20	PASS
				AV	2378.960	-44.09	≤-41.20	PASS
				AV	2390.000	-46.72	≤-41.20	PASS
				Peak	2310.000	-42.23	≤-21.20	PASS
				Peak	2361.845	-37.39	≤-21.20	PASS
				Peak	2390.000	-43.08	≤-21.20	PASS
		High	2477.3	AV	2483.500	-46.68	≤-41.20	PASS
				AV	2489.680	-46.56	≤-41.20	PASS
				AV	2500.000	-46.7	≤-41.20	PASS
				Peak	2483.500	-41.53	≤-21.20	PASS
				Peak	2490.320	-30.5	≤-21.20	PASS
				Peak	2500.000	-43.73	≤-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

