

Appendix Test Data for SRD (Conducted Measurement)

Product Name: AIRCRAFT

Trade Mark: N/A

Test Model: FX-41

FCC ID: 2AFDJFX-41

Environmental Conditions

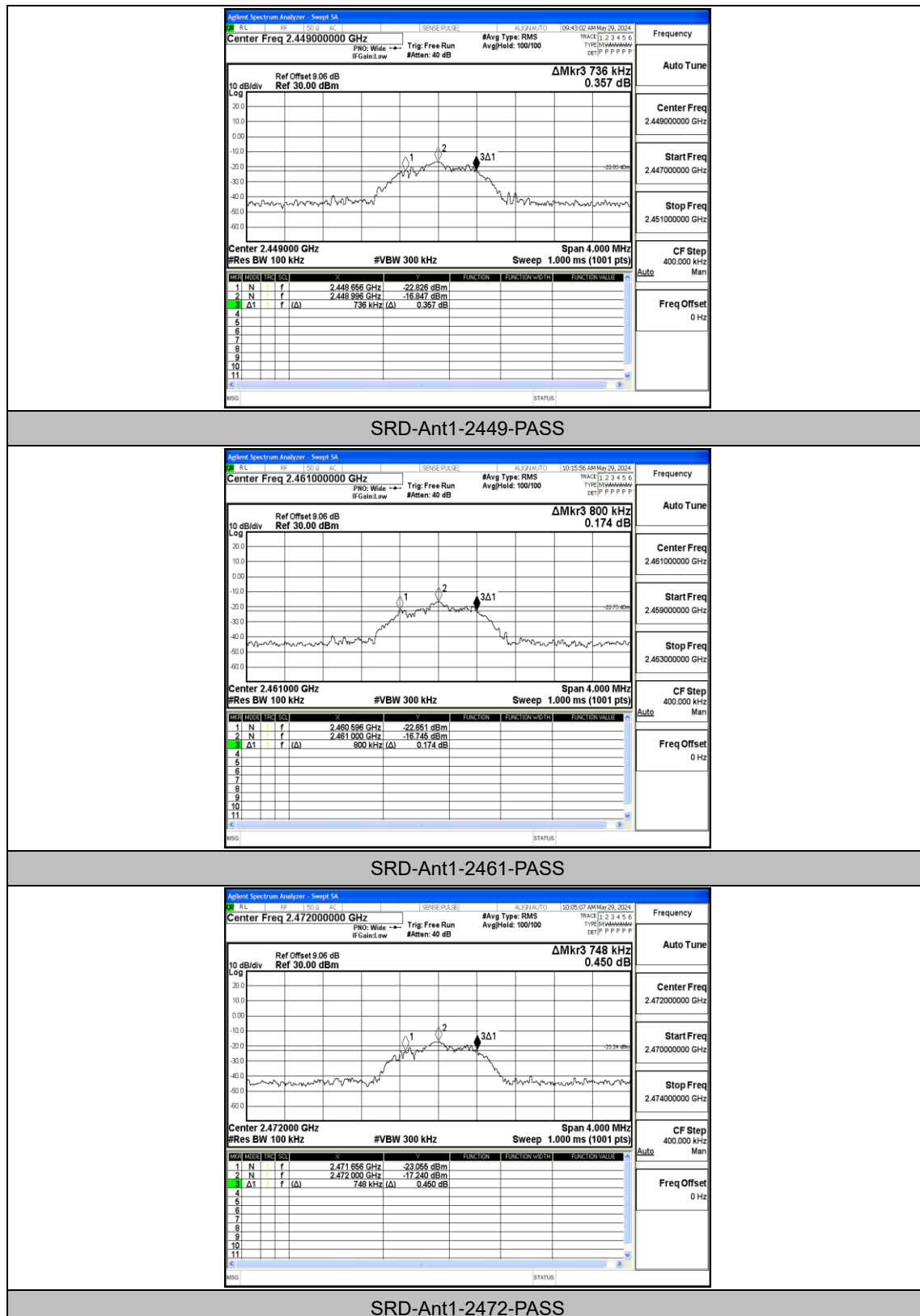
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2449	0.736	2448.656	2449.392	0.5	PASS
SRD	Ant1	2461	0.800	2460.596	2461.396	0.5	PASS
SRD	Ant1	2472	0.748	2471.656	2472.404	0.5	PASS

Test Graphs

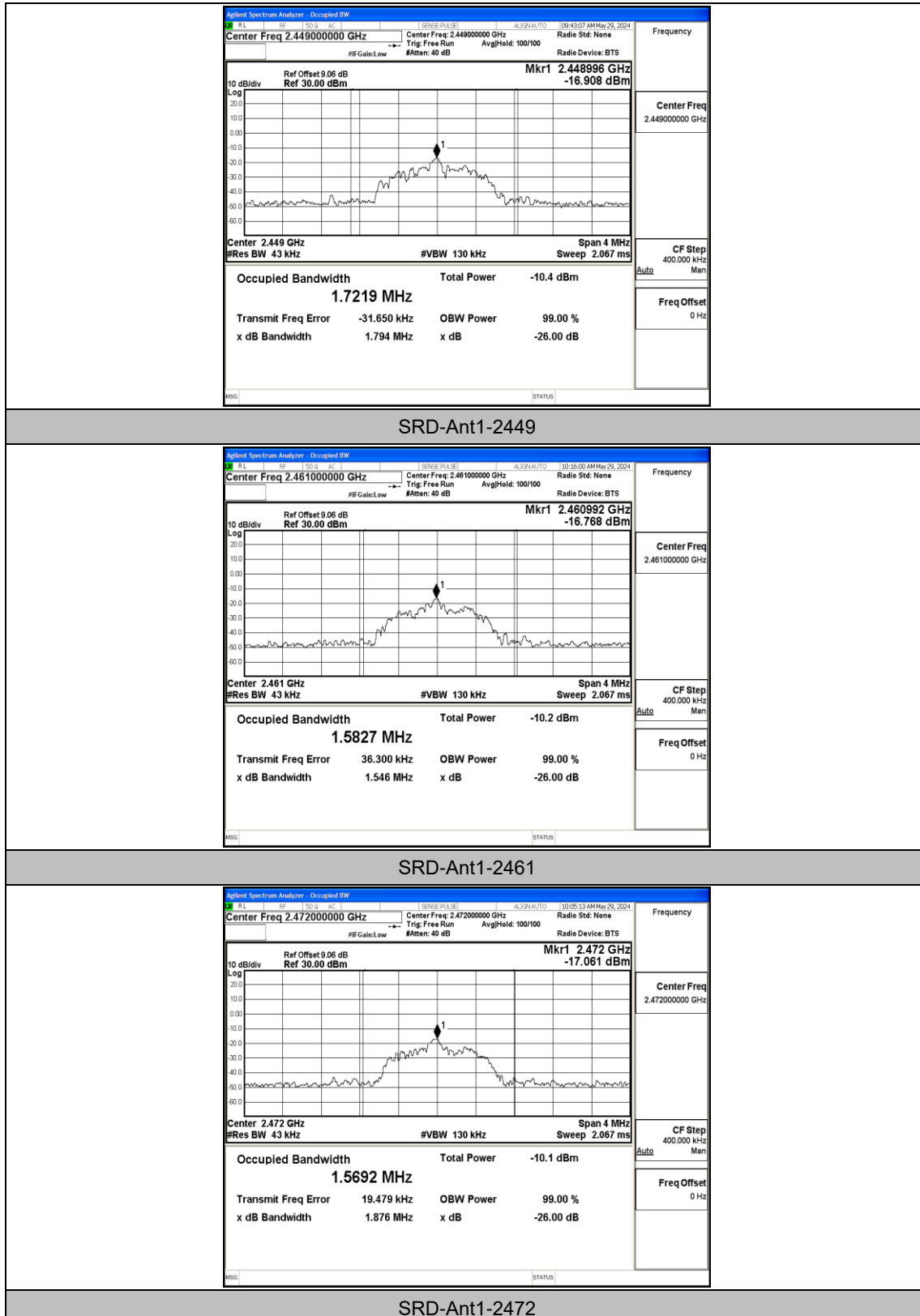


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2449	1.7219	2448.1074	2449.8293	---	---
SRD	Ant1	2461	1.5827	2460.2450	2461.8277	---	---
SRD	Ant1	2472	1.5692	2471.2349	2472.8041	---	---

Test Graphs

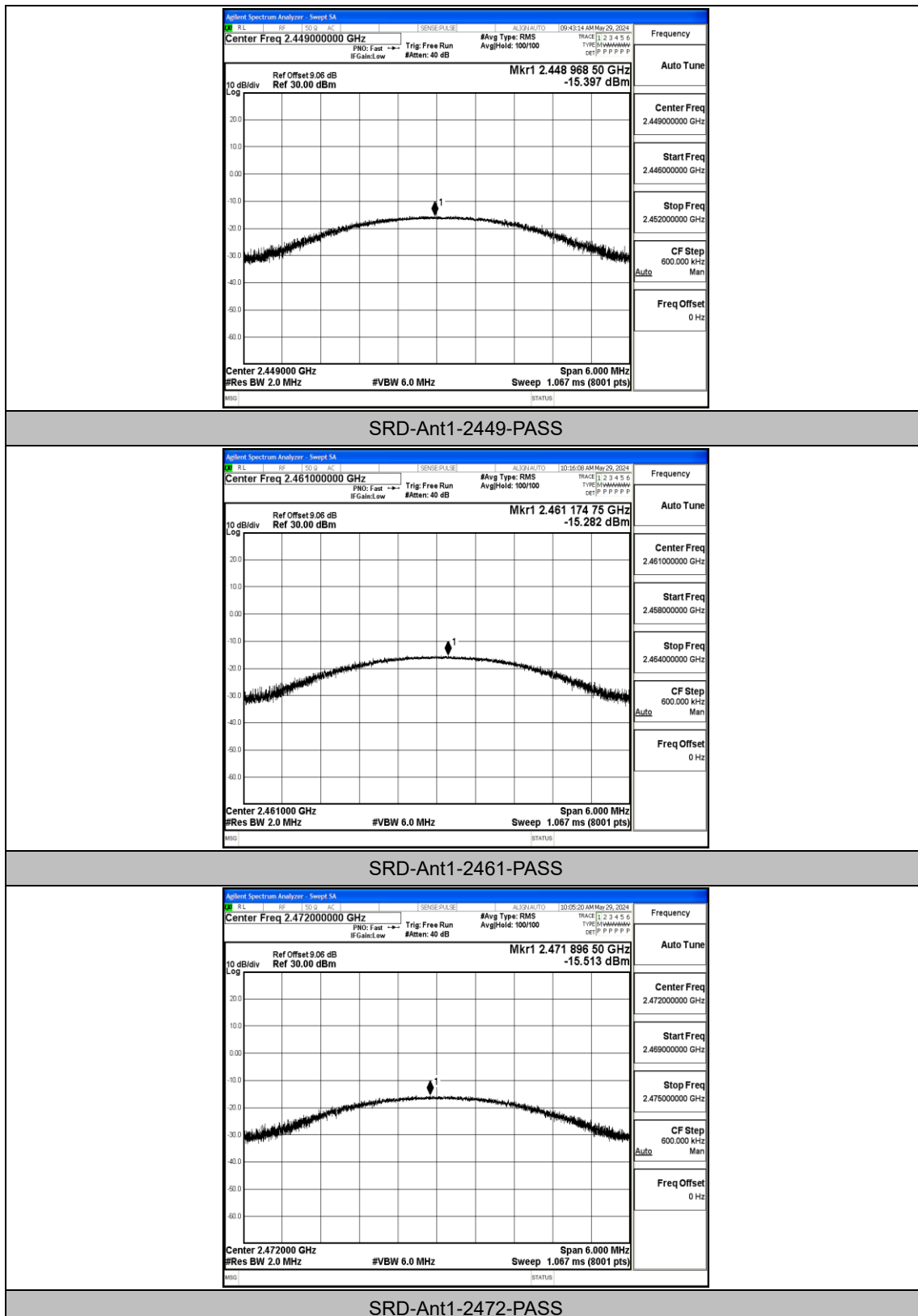


Appendix C: Maximum peak conducted output power

Test Result Peak

TestMode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
SRD	Ant1	2449	-15.40	≤30	PASS
SRD	Ant1	2461	-15.28	≤30	PASS
SRD	Ant1	2472	-15.51	≤30	PASS

Test Graphs Peak

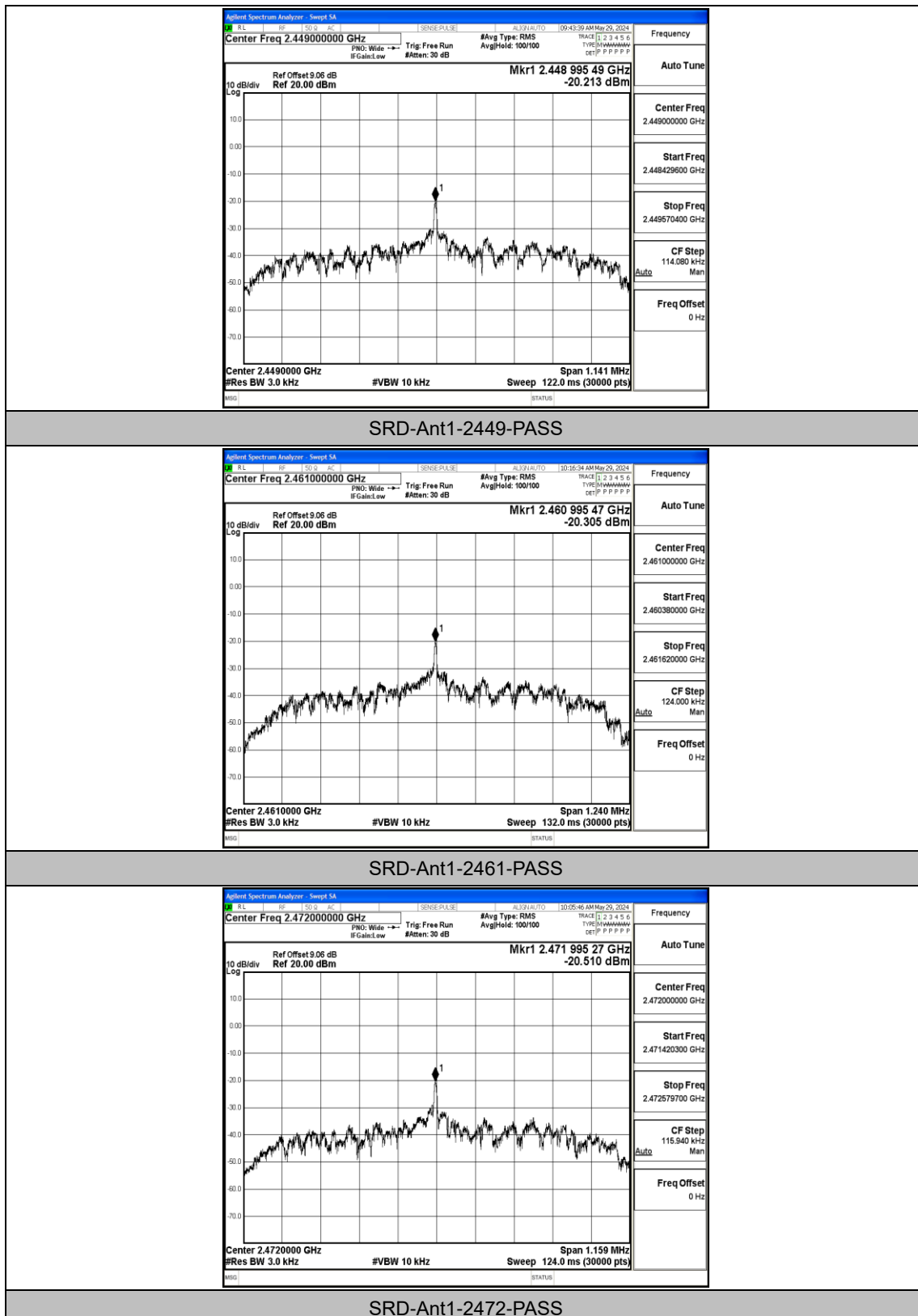


Appendix D: Maximum peak power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	2449	-20.21	≤8.00	PASS
SRD	Ant1	2461	-20.31	≤8.00	PASS
SRD	Ant1	2472	-20.51	≤8.00	PASS

Test Graphs

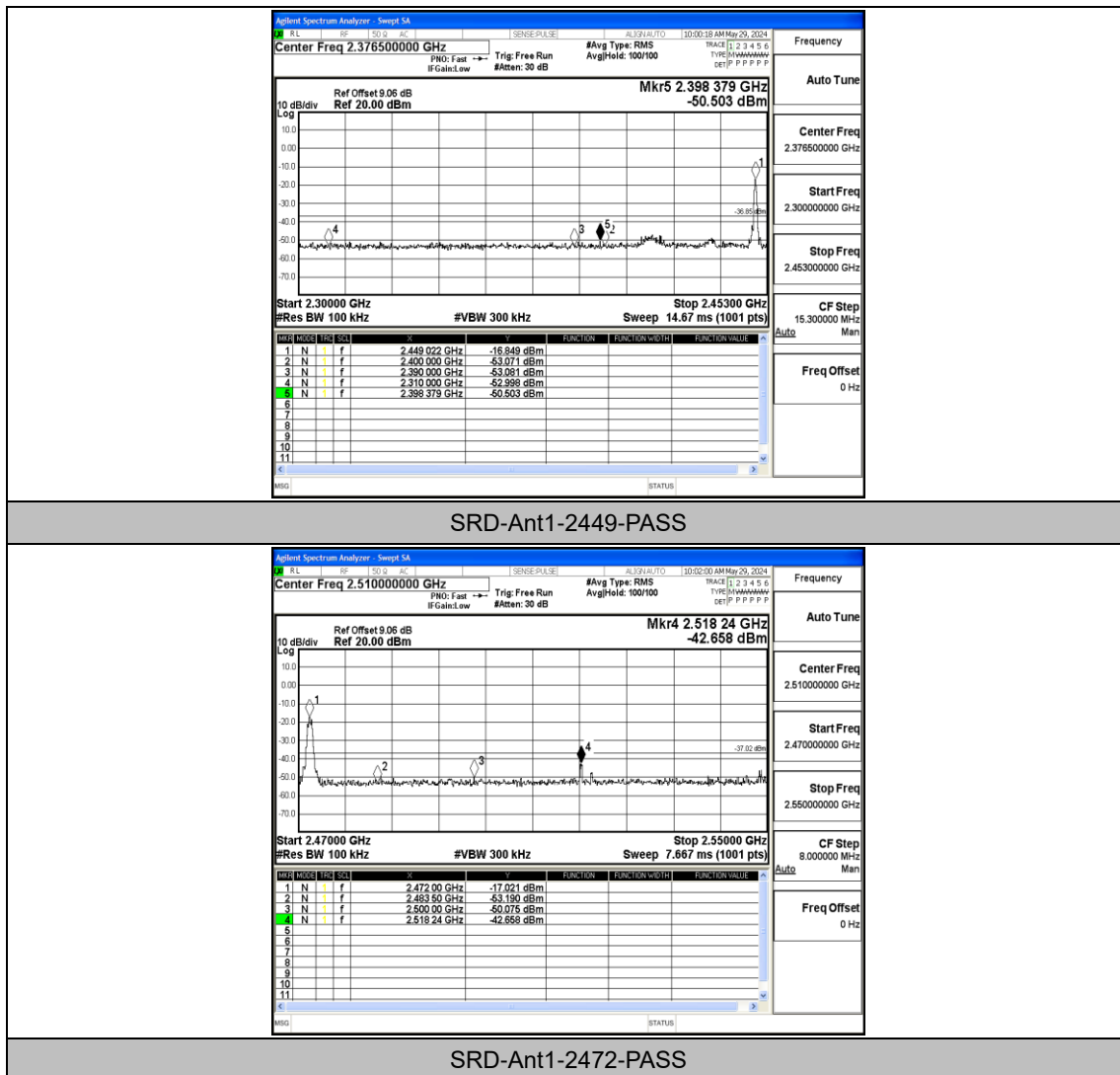


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2449	-16.85	-50.5	≤-36.85	PASS
SRD	Ant1	High	2472	-17.02	-42.66	≤-37.02	PASS

Test Graphs

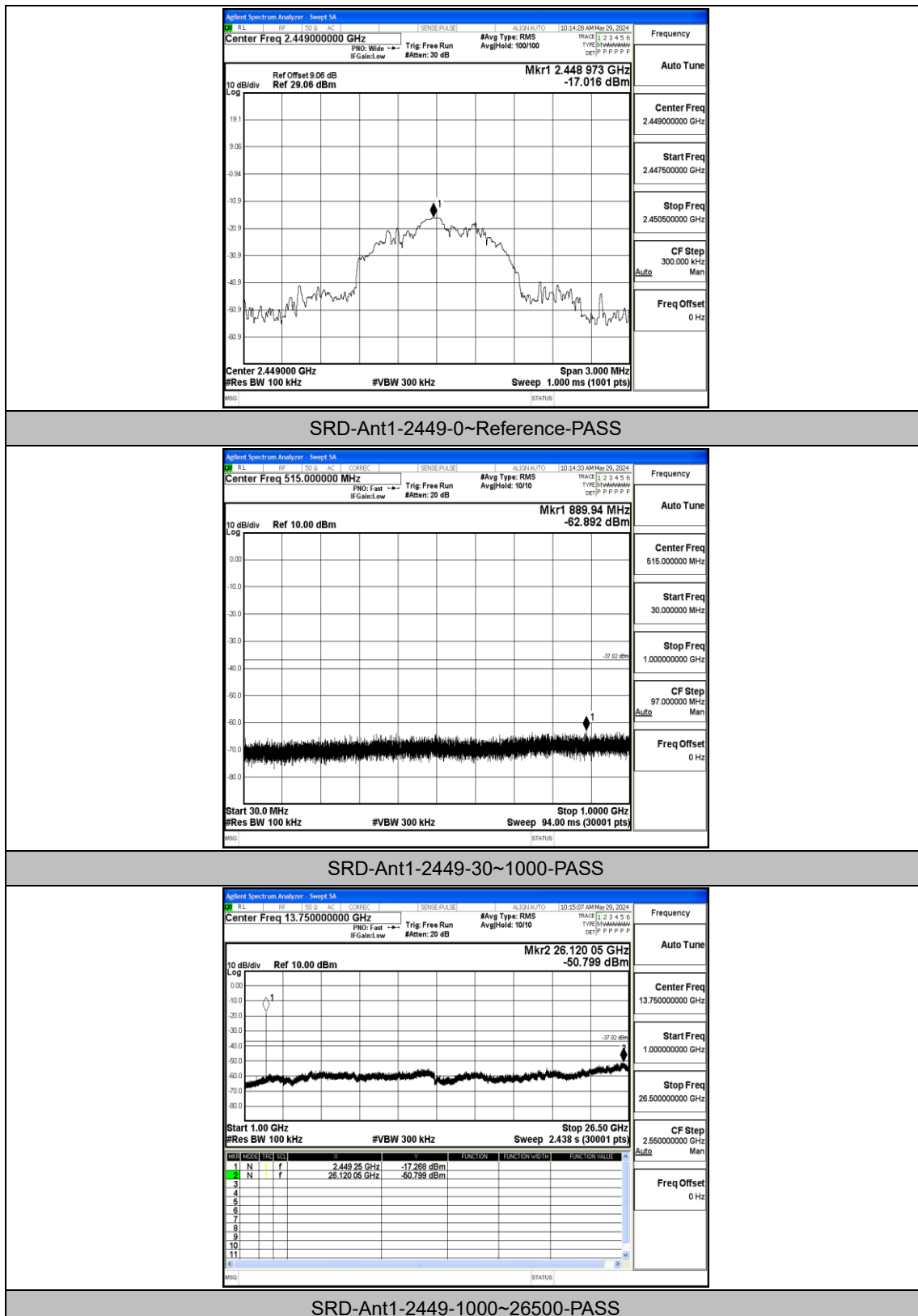


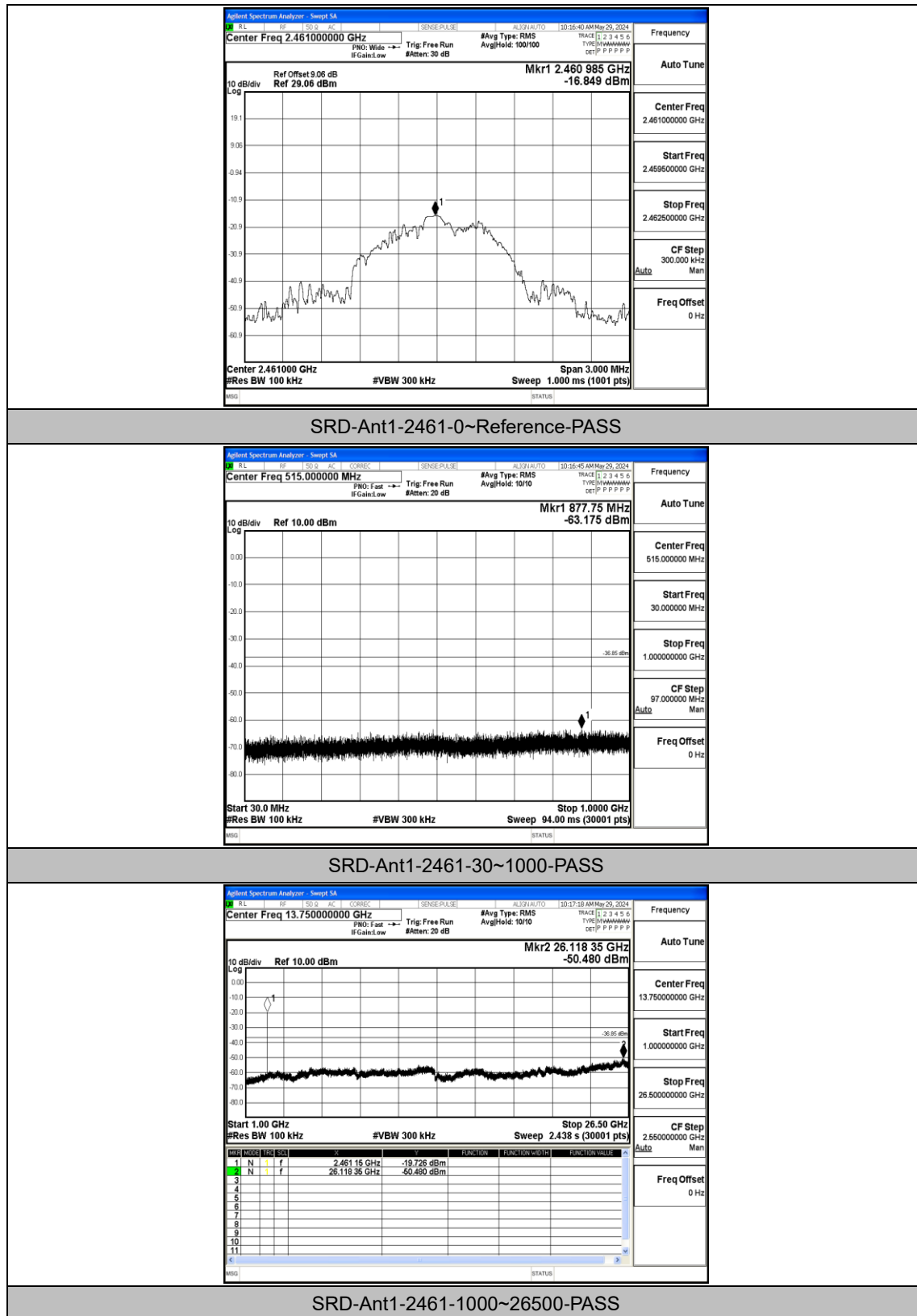
Appendix F: Conducted Spurious Emission

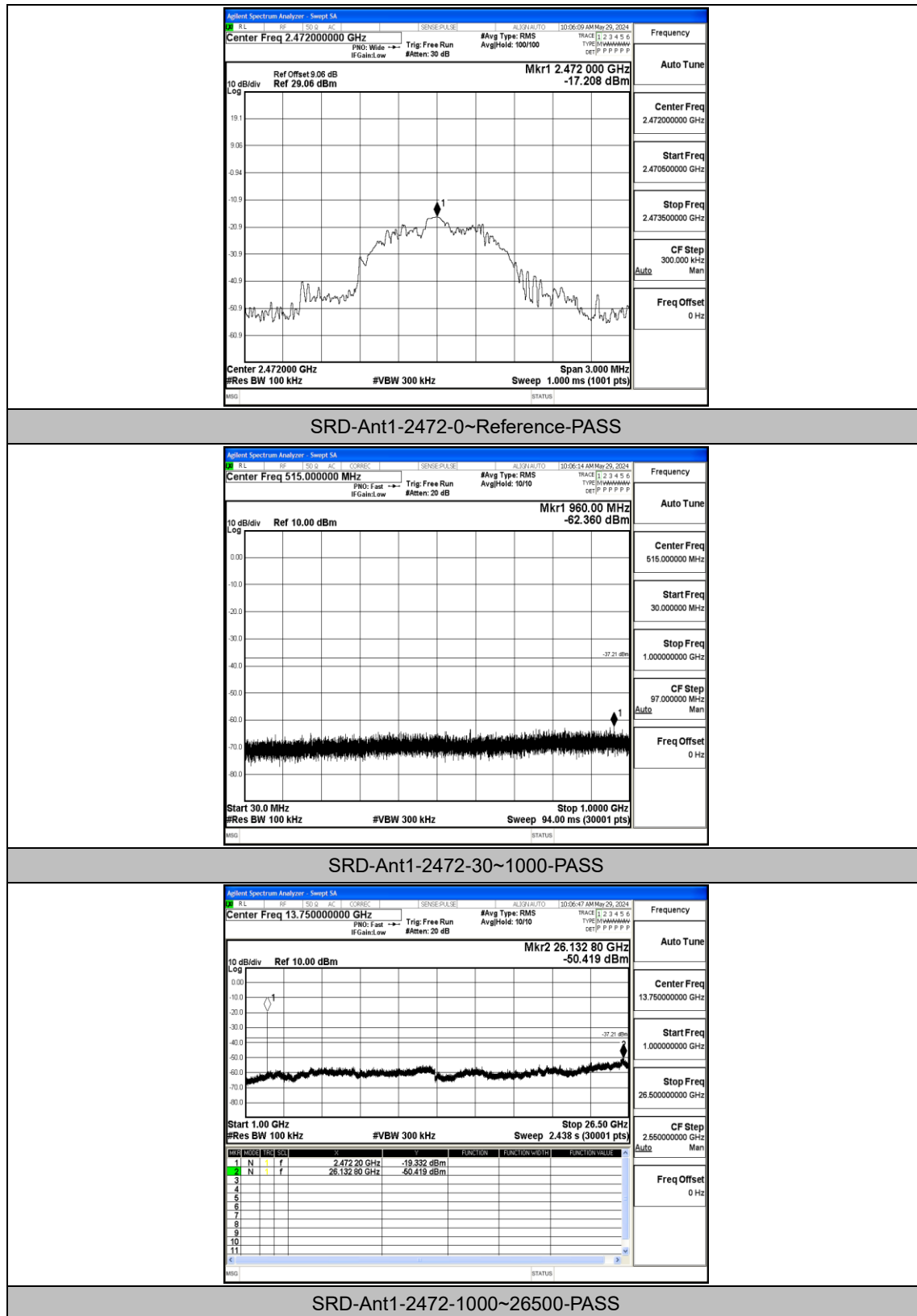
Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2449	0~Reference	-17.02	-17.02	---	PASS
SRD	Ant1	2449	30~1000	-17.02	-62.89	≤-37.02	PASS
SRD	Ant1	2449	1000~26500	-17.02	-50.8	≤-37.02	PASS
SRD	Ant1	2461	0~Reference	-16.85	-16.85	---	PASS
SRD	Ant1	2461	30~1000	-16.85	-63.18	≤-36.85	PASS
SRD	Ant1	2461	1000~26500	-16.85	-50.48	≤-36.85	PASS
SRD	Ant1	2472	0~Reference	-17.21	-17.21	---	PASS
SRD	Ant1	2472	30~1000	-17.21	-62.36	≤-37.21	PASS
SRD	Ant1	2472	1000~26500	-17.21	-50.42	≤-37.21	PASS

Test Graphs





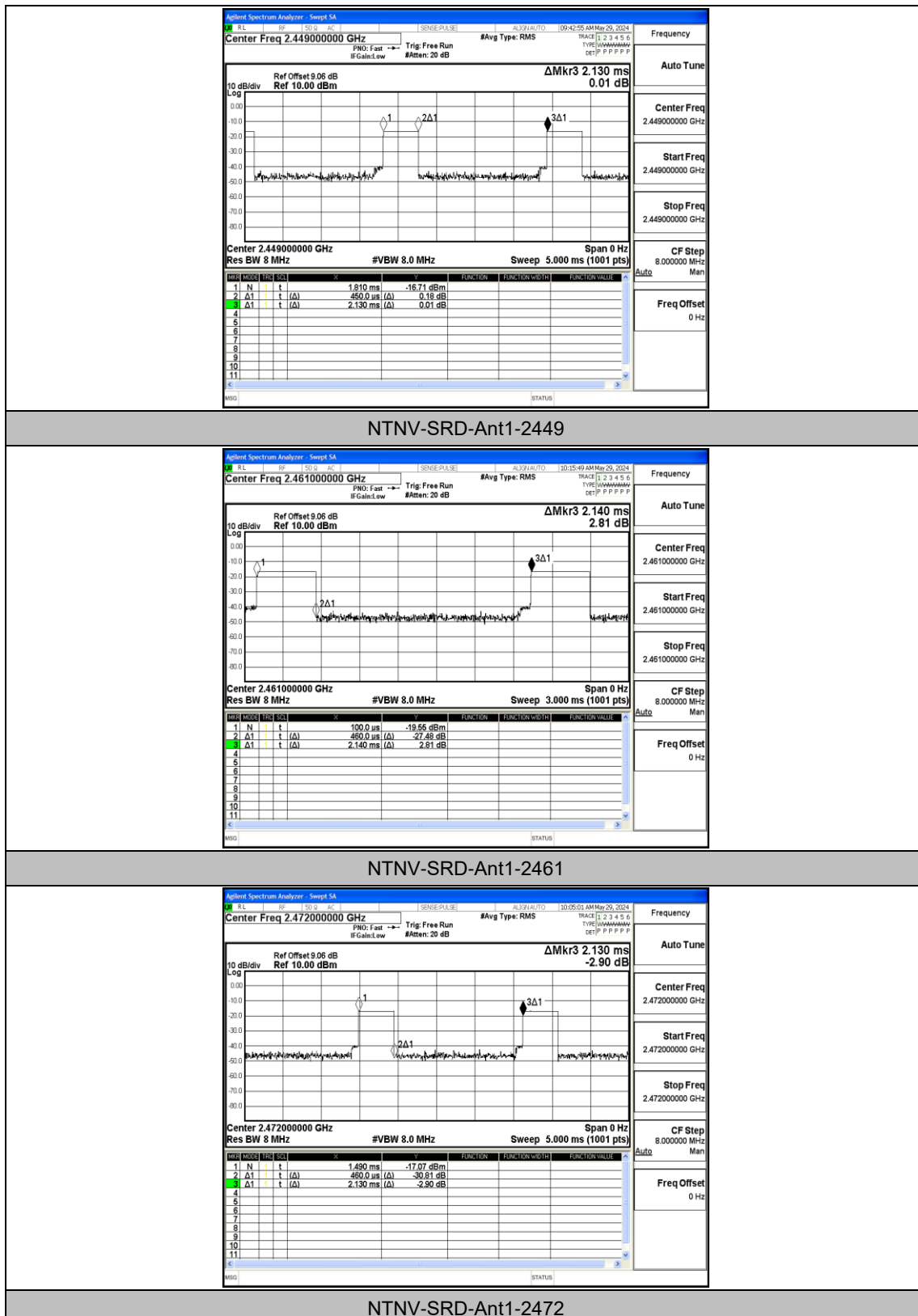


Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
SRD	Ant1	2449	0.45	2.13	21.13	6.75
SRD	Ant1	2461	0.46	2.14	21.50	6.68
SRD	Ant1	2472	0.46	2.13	21.60	6.66

Test Graphs



Appendix H: Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
SRD	Ant1	Low	2449	Peak	2390.000	-50.31	≤-21.20	44.89	≤74	PASS
SRD	Ant1	Low	2449	Peak	2310.000	-51.18	≤-21.20	44.02	≤74	PASS
SRD	Ant1	Low	2449	Peak	2313.617	-49.18	≤-21.20	46.02	≤74	PASS
SRD	Ant1	Low	2449	AV	2390.000	-53.34	≤-41.20	41.86	≤54	PASS
SRD	Ant1	Low	2449	AV	2310.000	-53.55	≤-41.20	41.65	≤54	PASS
SRD	Ant1	Low	2449	AV	2389.199	-52.51	≤-41.20	42.69	≤54	PASS
SRD	Ant1	High	2472	Peak	2483.500	-48.07	≤-21.20	47.13	≤74	PASS
SRD	Ant1	High	2472	Peak	2500.000	-50.46	≤-21.20	44.74	≤74	PASS
SRD	Ant1	High	2472	Peak	2484.560	-41.36	≤-21.20	53.84	≤74	PASS
SRD	Ant1	High	2472	AV	2483.500	-52.01	≤-41.20	43.19	≤54	PASS
SRD	Ant1	High	2472	AV	2500.000	-52.66	≤-41.20	42.54	≤54	PASS
SRD	Ant1	High	2472	AV	2485.040	-51.69	≤-41.20	43.51	≤54	PASS

Note:

1. The Antenna Gain is compensated in the graph.
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

