

## Appendix Test Data for SRD (Conducted Measurement)

**Product Name: Wireless Mechanical Keyboard**

**Trade Mark: Keychron**

**Test Model: V5 Max**

**FCC ID: 2ASF4-V5MAX**

### Environmental Conditions

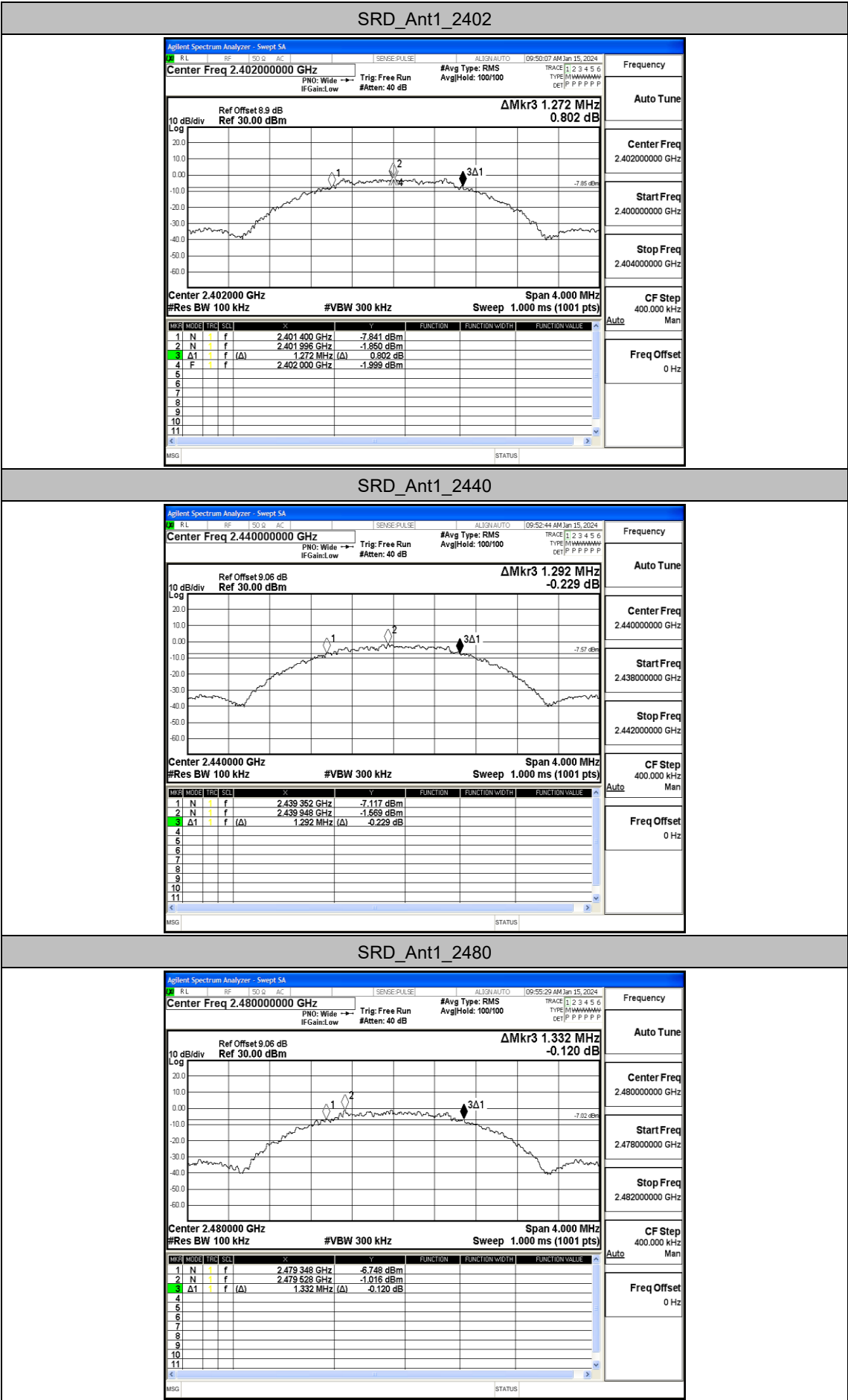
Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

## Appendix A: DTS Bandwidth

### Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	1.272	2401.400	2402.672	0.5	PASS
		2440	1.292	2439.352	2440.644	0.5	PASS
		2480	1.332	2479.348	2480.680	0.5	PASS

Test Graphs

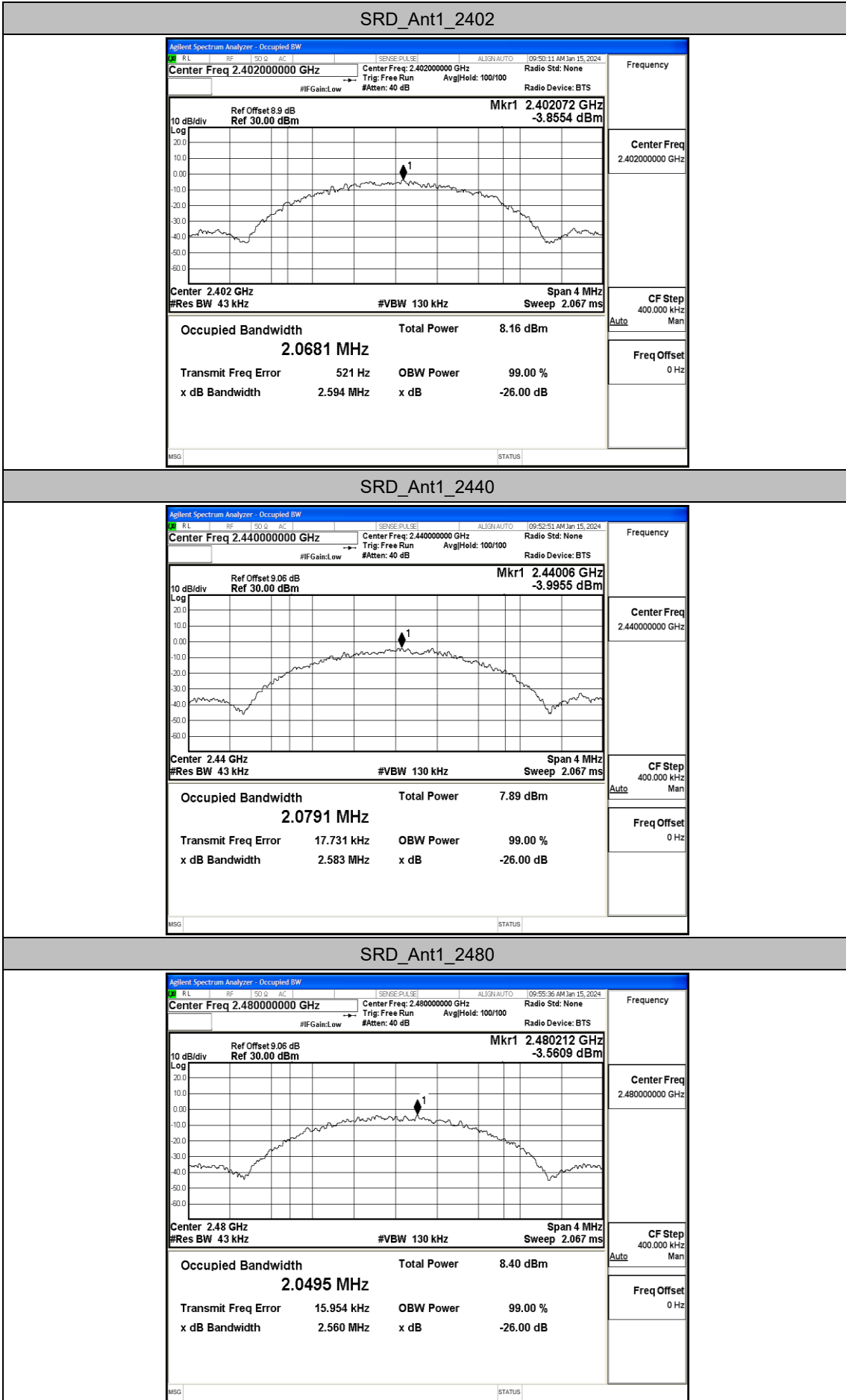


## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	2.0681	2400.9665	2403.0346	---	---
		2440	2.0791	2438.9782	2441.0573	---	---
		2480	2.0495	2478.9912	2481.0407	---	---

Test Graphs

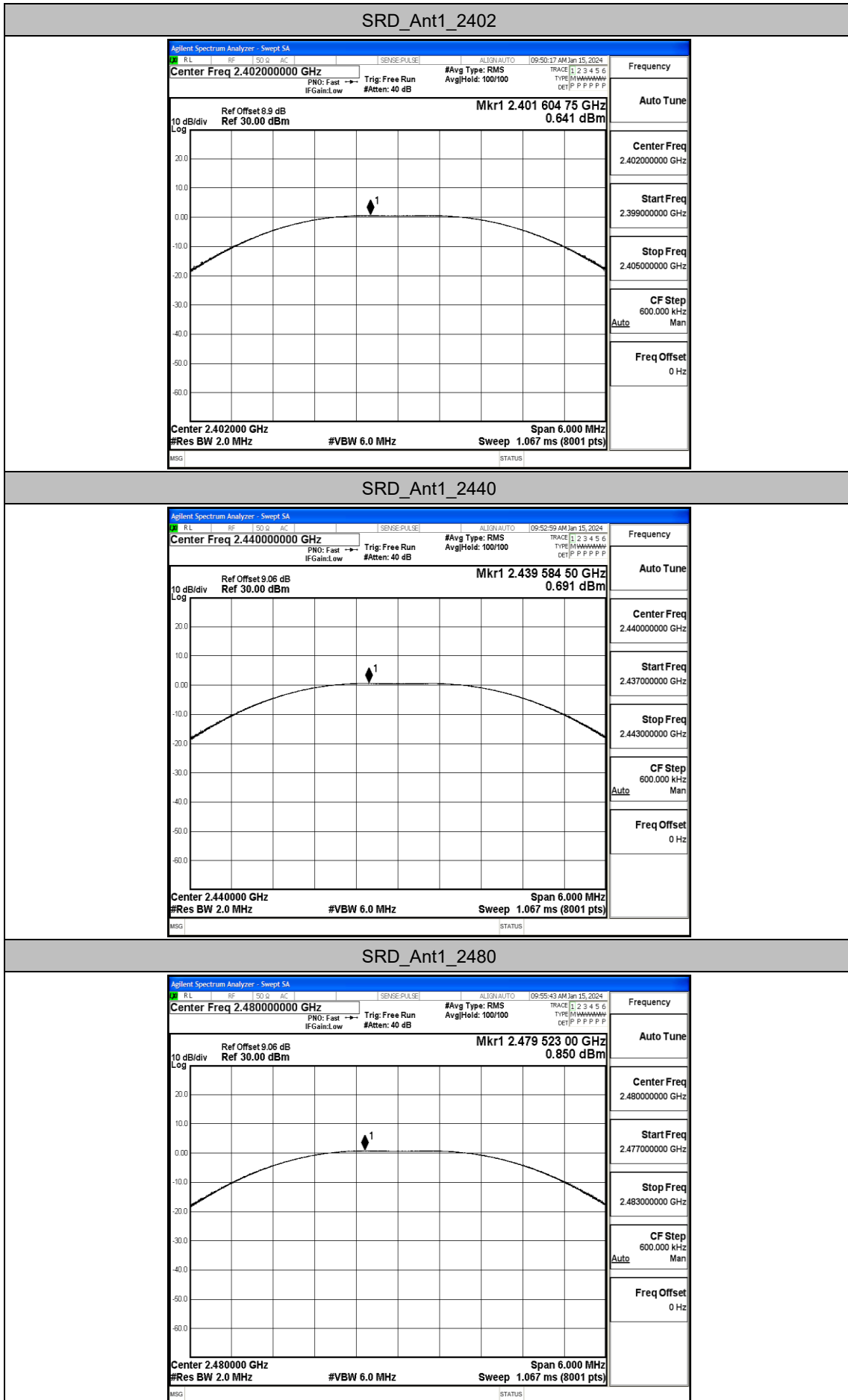


## Appendix C: Maximum Peak conducted output power

### Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2402	0.64	≤30	PASS
		2440	0.69	≤30	PASS
		2480	0.85	≤30	PASS

Test Graphs

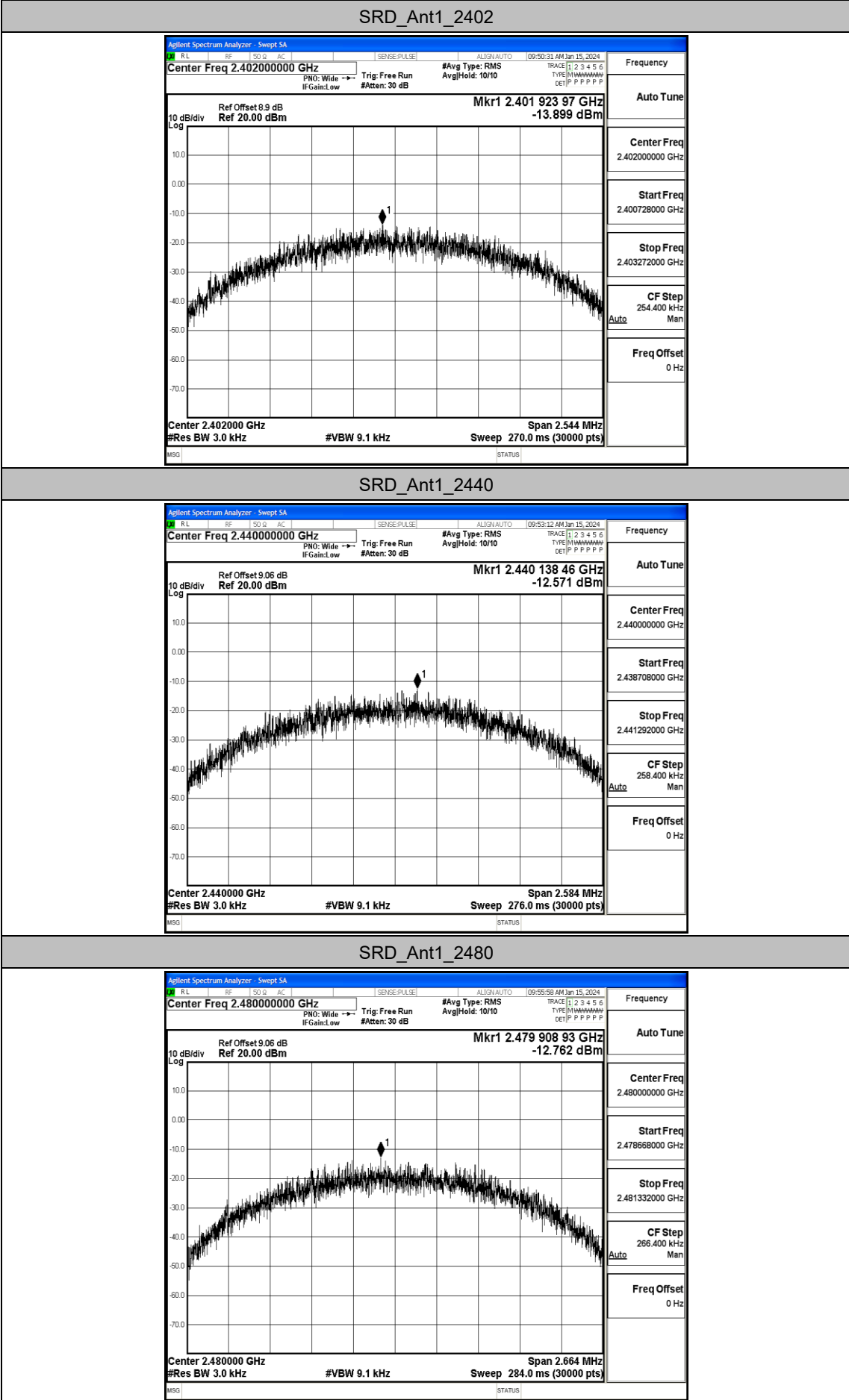


## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	2402	-13.9	≤8.00	PASS
		2440	-12.57	≤8.00	PASS
		2480	-12.76	≤8.00	PASS

### Test Graphs



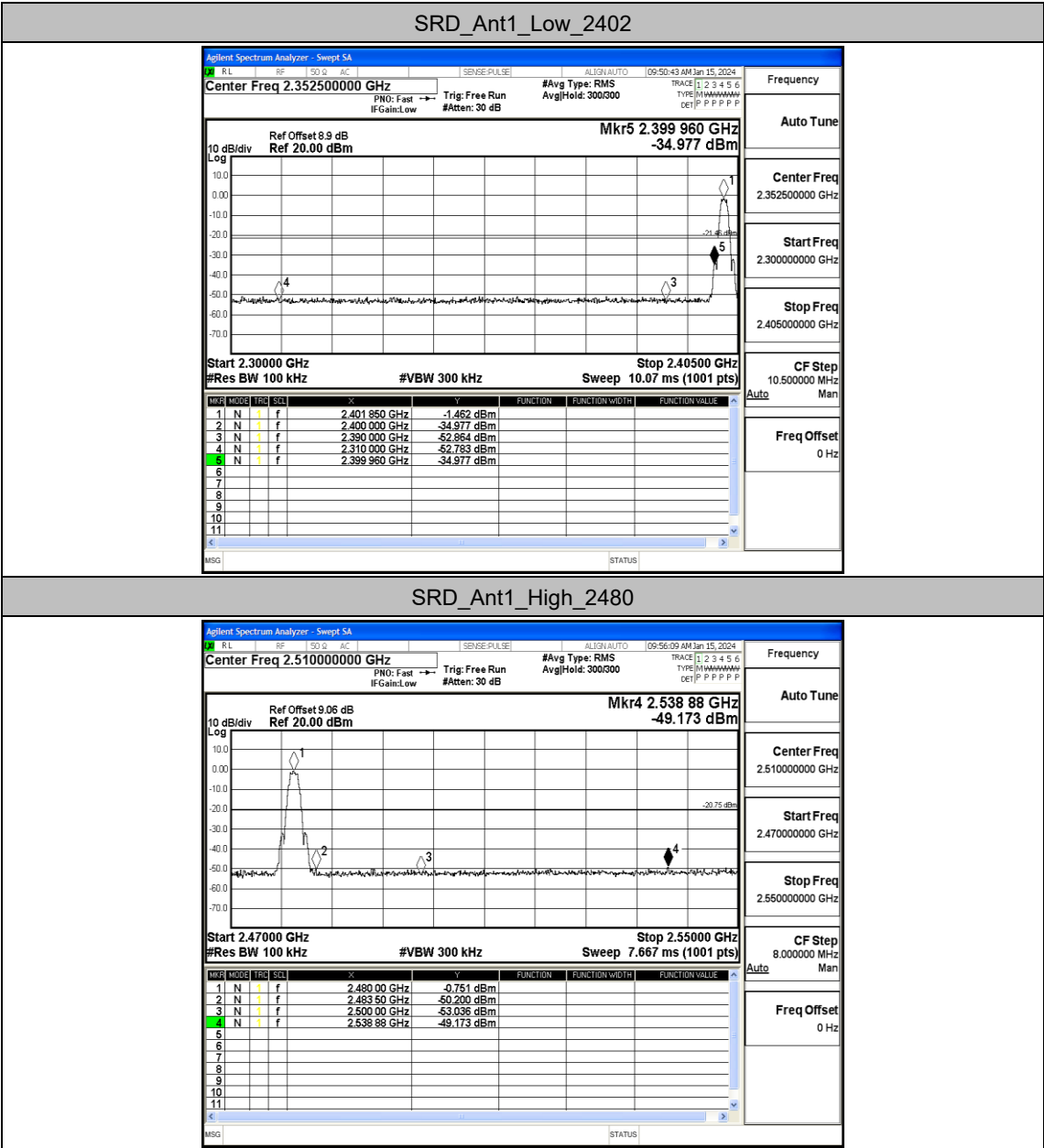


## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	Low	2402	-1.46	-34.98	$\leq -21.46$	PASS
		High	2480	-0.75	-49.17	$\leq -20.75$	PASS

Test Graphs

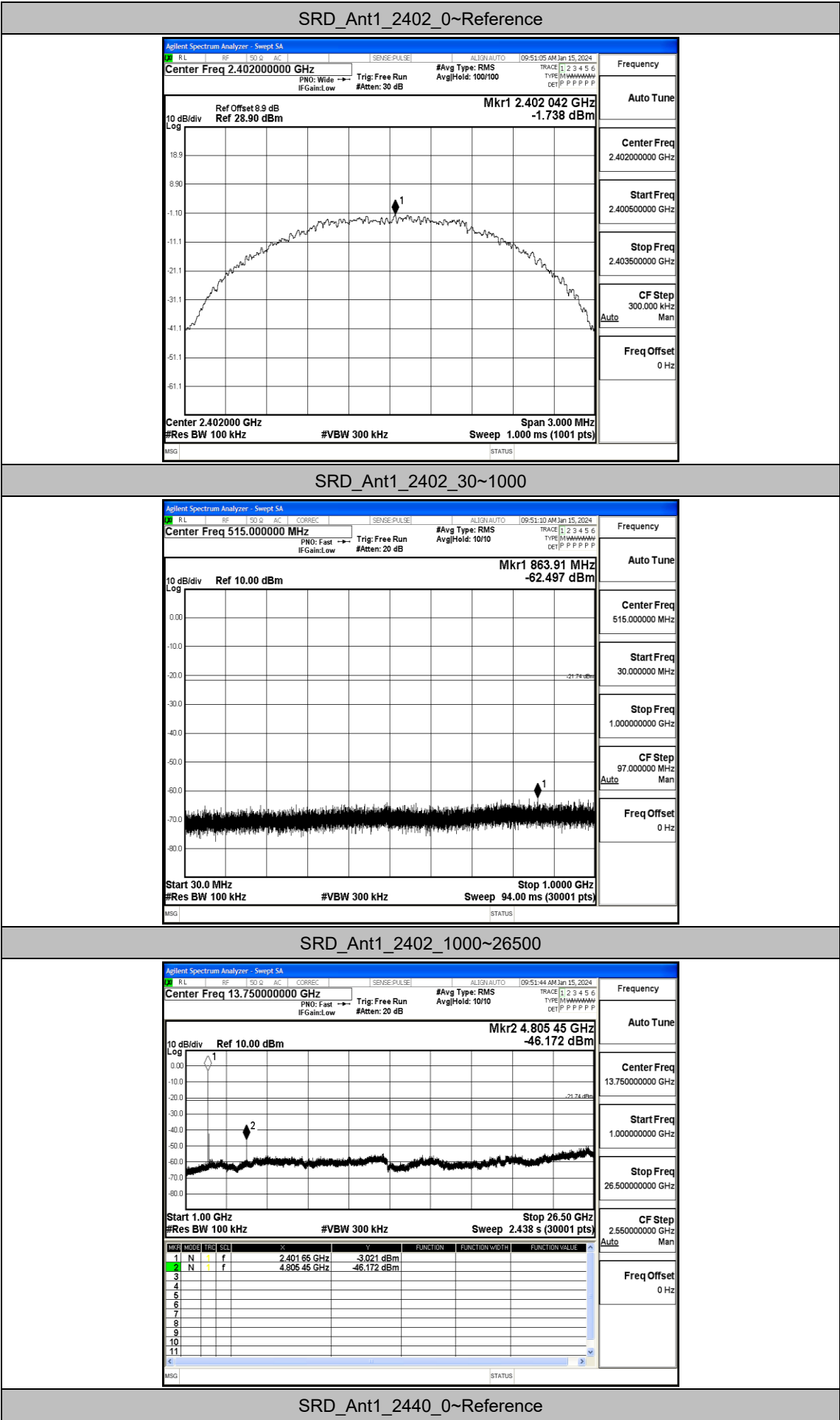


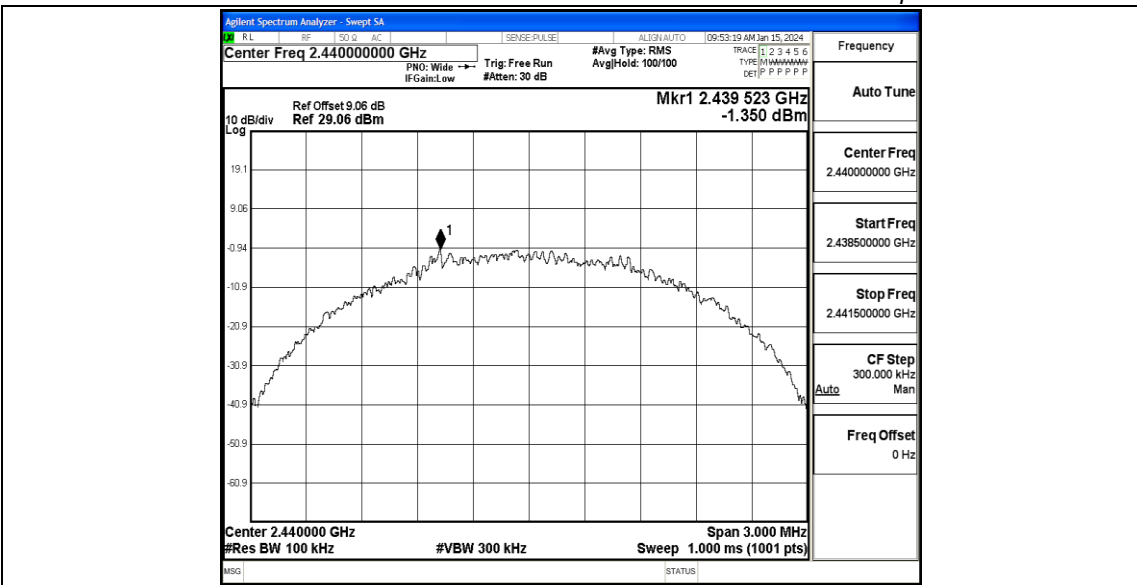
## Appendix F: Conducted Spurious Emission

### Test Result

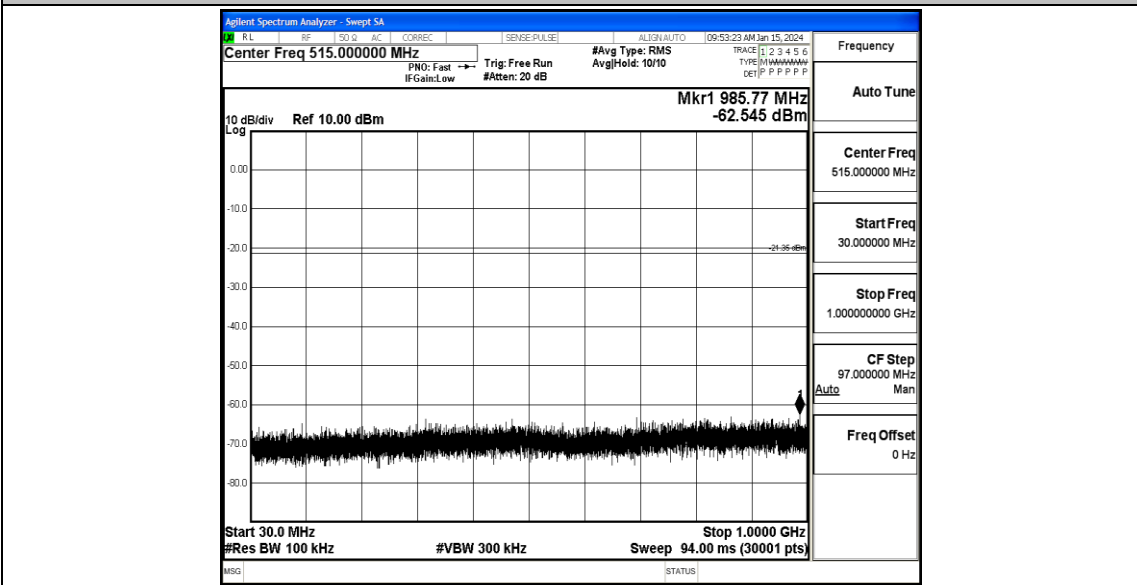
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2402	Reference	-1.74	-1.74	---	PASS
			30~1000	-1.74	-62.5	≤-21.74	PASS
			1000~26500	-1.74	-46.17	≤-21.74	PASS
		2440	Reference	-1.35	-1.35	---	PASS
			30~1000	-1.35	-62.55	≤-21.35	PASS
			1000~26500	-1.35	-46.04	≤-21.35	PASS
		2480	Reference	-1.36	-1.36	---	PASS
			30~1000	-1.36	-62.36	≤-21.36	PASS
			1000~26500	-1.36	-47.49	≤-21.36	PASS

Test Graphs

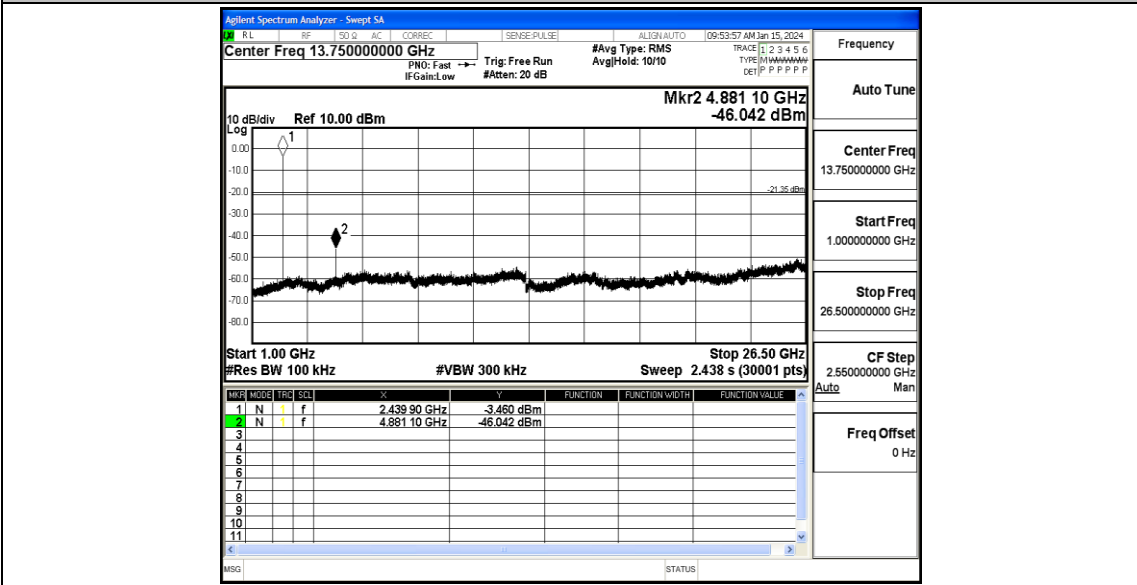




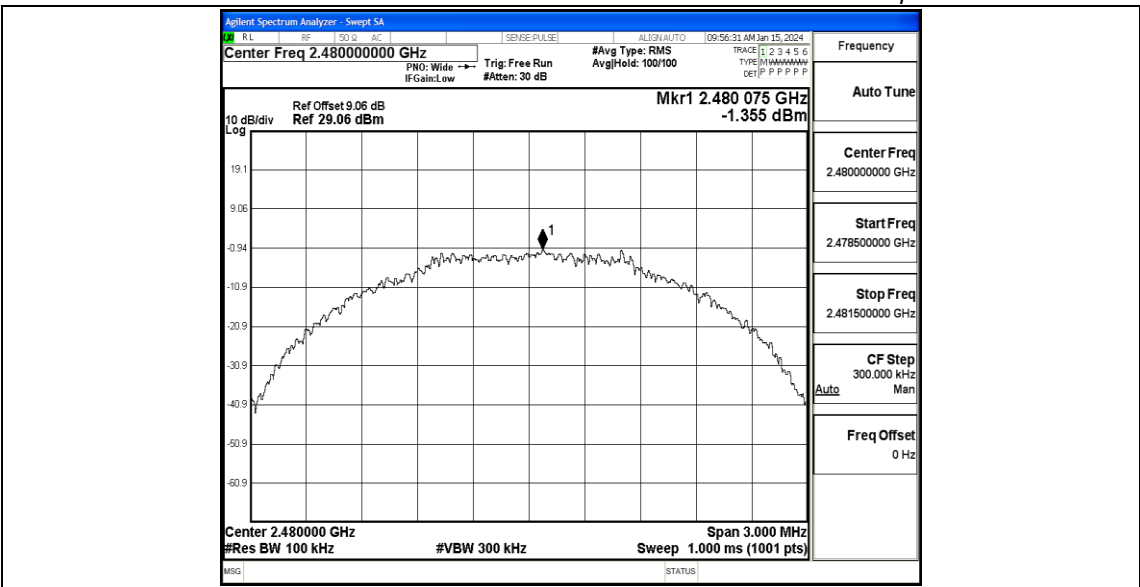
SRD\_Ant1\_2440\_30~1000



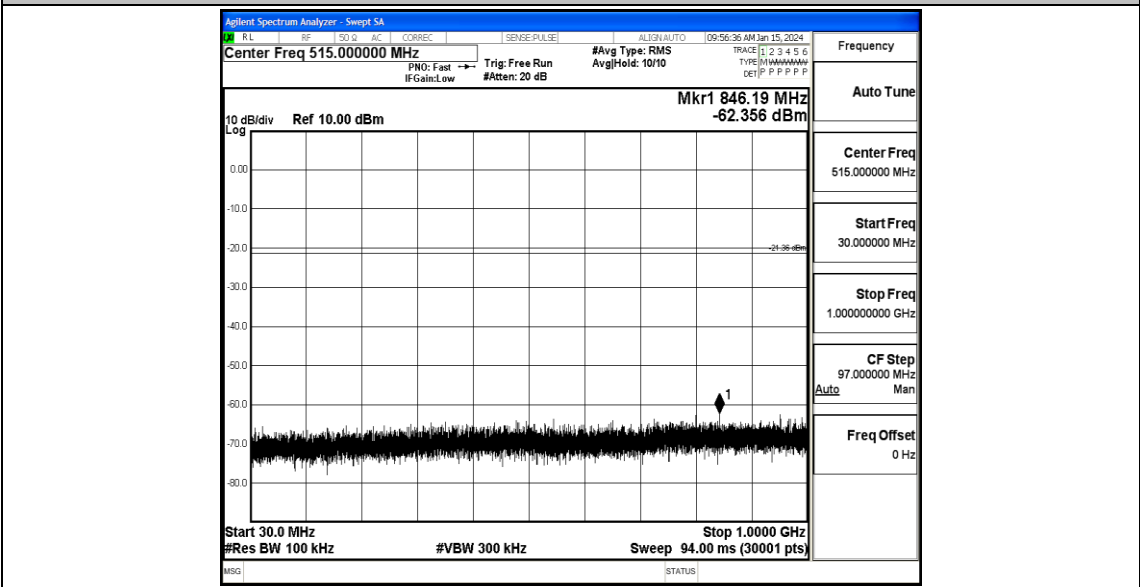
SRD\_Ant1\_2440\_1000~26500



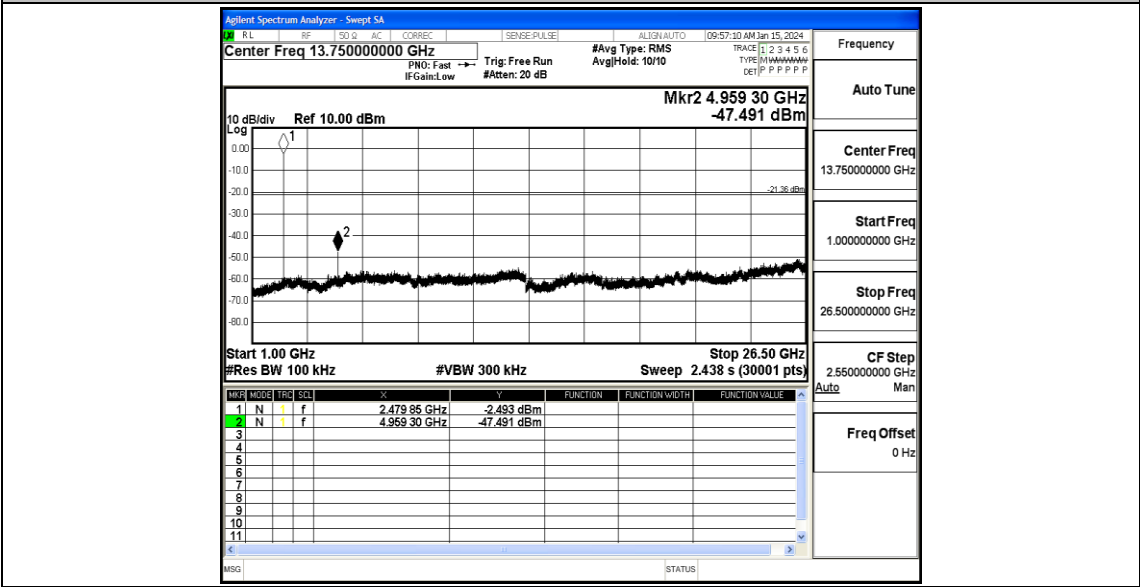
SRD\_Ant1\_2480\_0~Reference



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 [%]
SRD	Ant1	2402	10.13	10.13	100
		2440	10.13	10.13	100
		2480	10.13	10.13	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	-60.81	≤-41.20	PASS
				AV	2341.370	-59.61	≤-41.20	PASS
				AV	2390.000	-60.4	≤-41.20	PASS
				Peak	2310.000	-52.91	≤-21.20	PASS
				Peak	2343.995	-50.12	≤-21.20	PASS
				Peak	2390.000	-53.29	≤-21.20	PASS
		High	2480	AV	2483.500	-57.34	≤-41.20	PASS
				AV	2483.520	-57.34	≤-41.20	PASS
				AV	2500.000	-59.5	≤-41.20	PASS
				Peak	2483.500	-47.45	≤-21.20	PASS
				Peak	2483.520	-47.45	≤-21.20	PASS
				Peak	2500.000	-54.97	≤-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

