

## Appendix Test Data for SRD (Conducted Measurement)

**Product Name: Wireless Mechanical Keyboard**

**Trade Mark: Keychron**

**Test Model: L1**

**FCC ID: 2BGKB-L1**

### Environmental Conditions

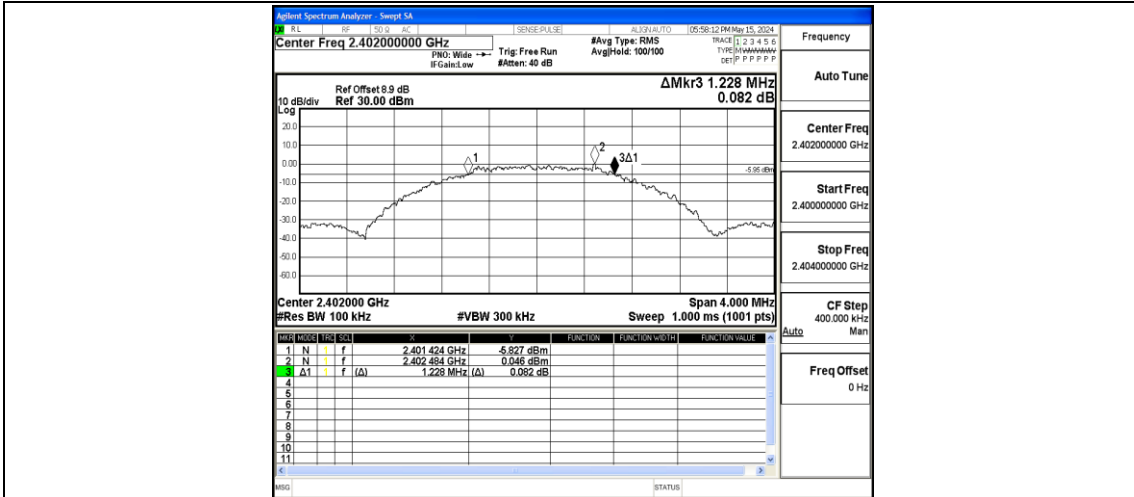
Temperature:	22.8° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

## Appendix A: DTS Bandwidth

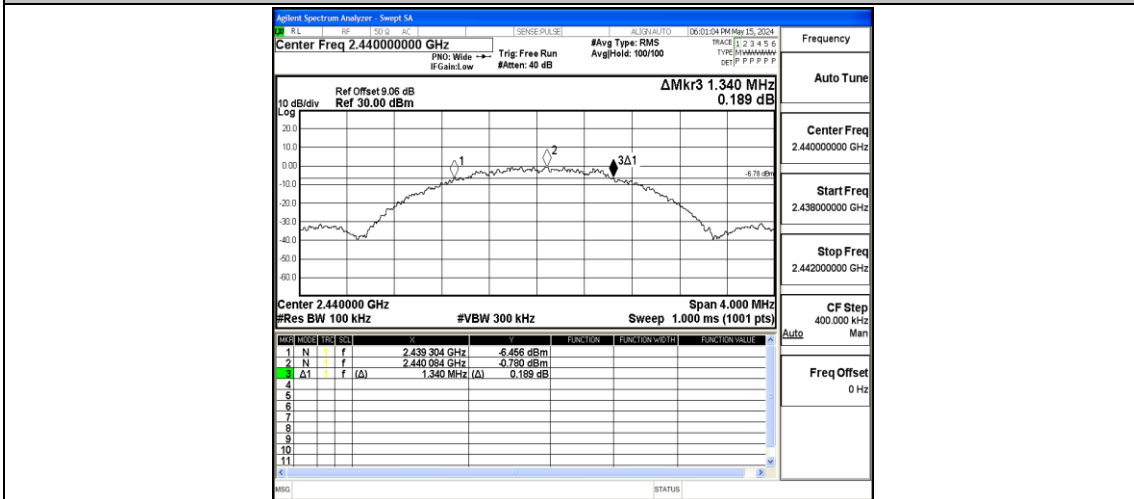
### Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	1.228	2401.424	2402.652	0.5	PASS
SRD	Ant1	2440	1.340	2439.304	2440.644	0.5	PASS
SRD	Ant1	2480	1.372	2479.300	2480.672	0.5	PASS

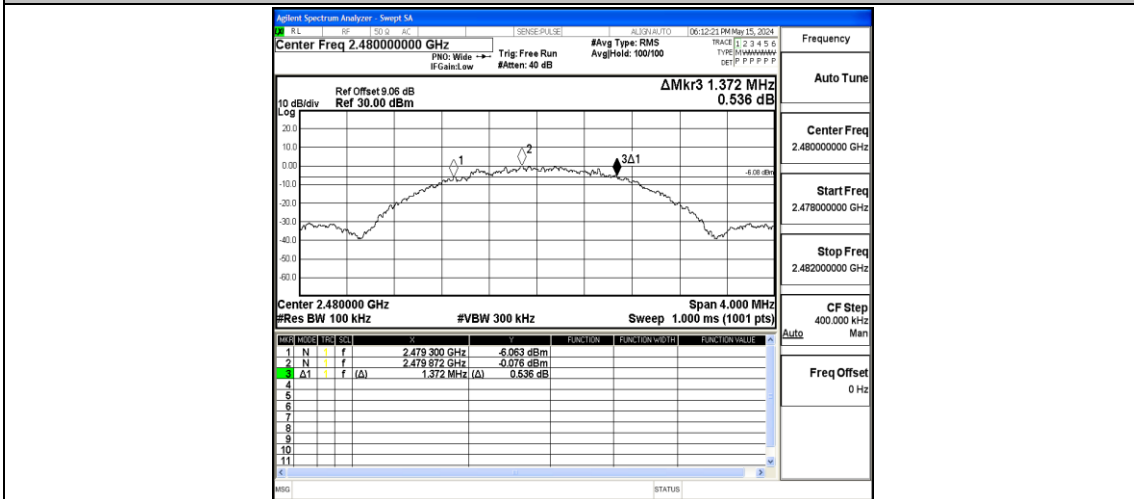
### Test Graphs



SRD-Ant1-2402-PASS



SRD-Ant1-2440-PASS



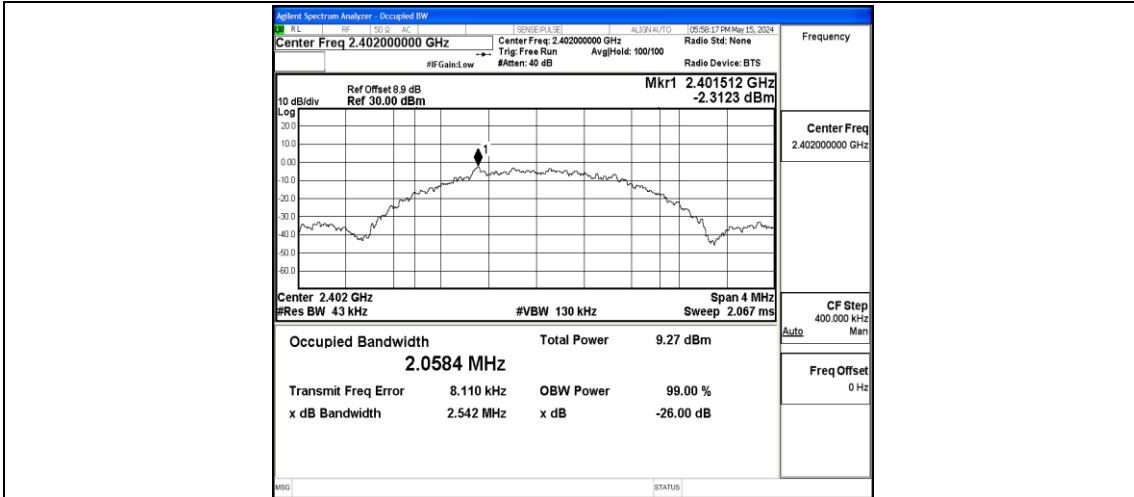
SRD-Ant1-2480-PASS

## Appendix B: Occupied Channel Bandwidth

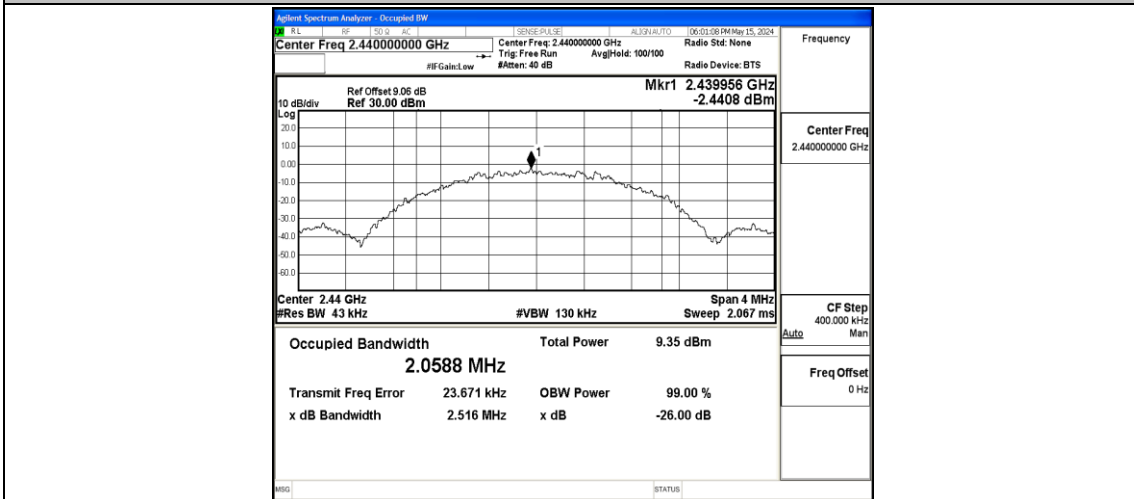
### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	2.0584	2400.9789	2403.0373	---	---
SRD	Ant1	2440	2.0588	2438.9943	2441.0531	---	---
SRD	Ant1	2480	2.0225	2479.0039	2481.0264	---	---

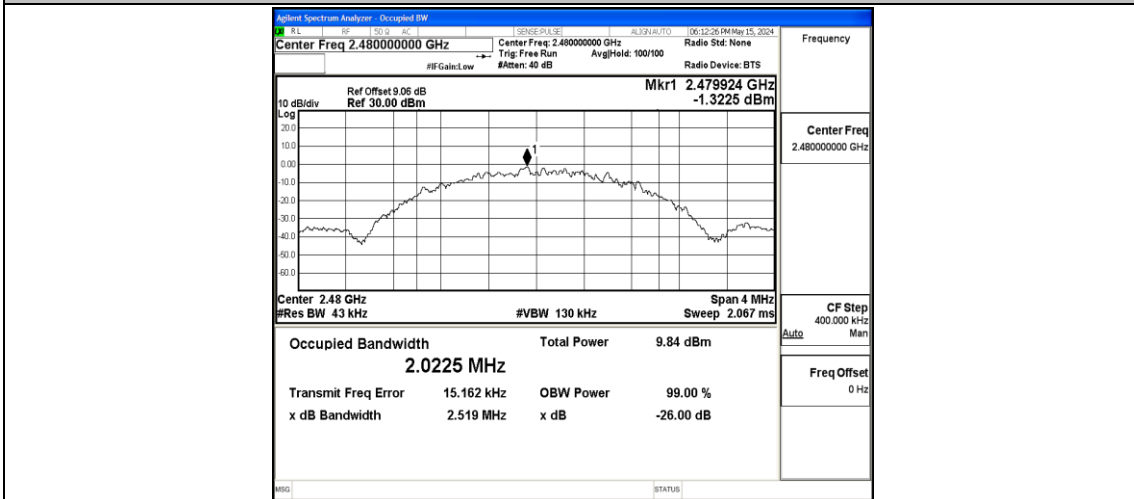
### Test Graphs



SRD-Ant1-2402



SRD-Ant1-2440



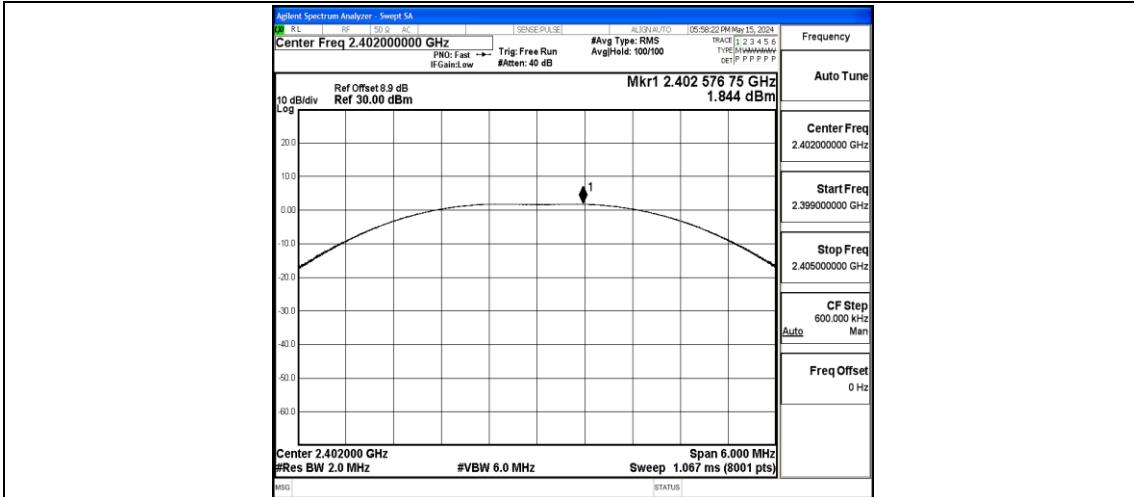
SRD-Ant1-2480

## Appendix C: Maximum peak conducted output power

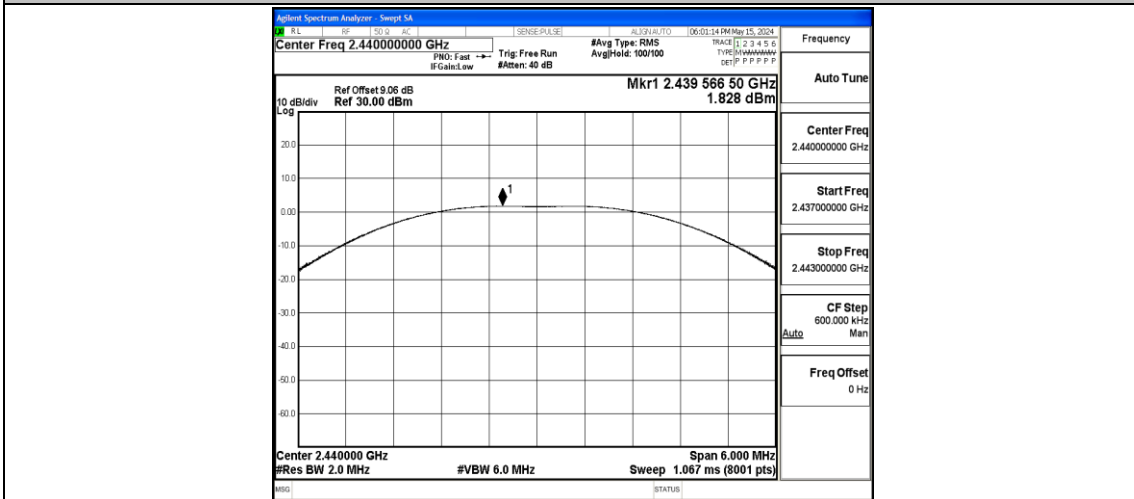
### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
SRD	Ant1	2402	1.84	≤30	PASS
SRD	Ant1	2440	1.83	≤30	PASS
SRD	Ant1	2480	2.06	≤30	PASS

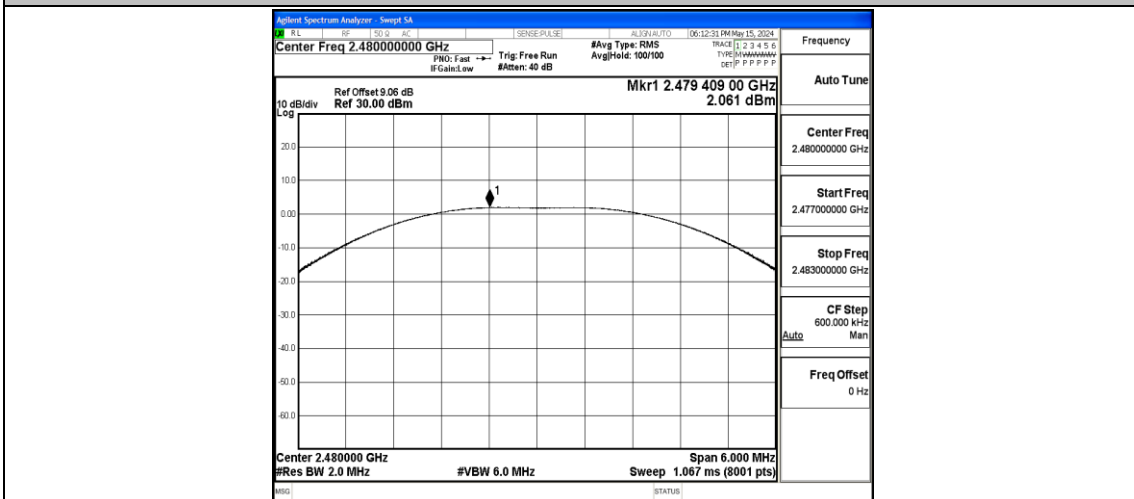
### Test Graphs Peak



SRD-Ant1-2402-PASS



SRD-Ant1-2440-PASS



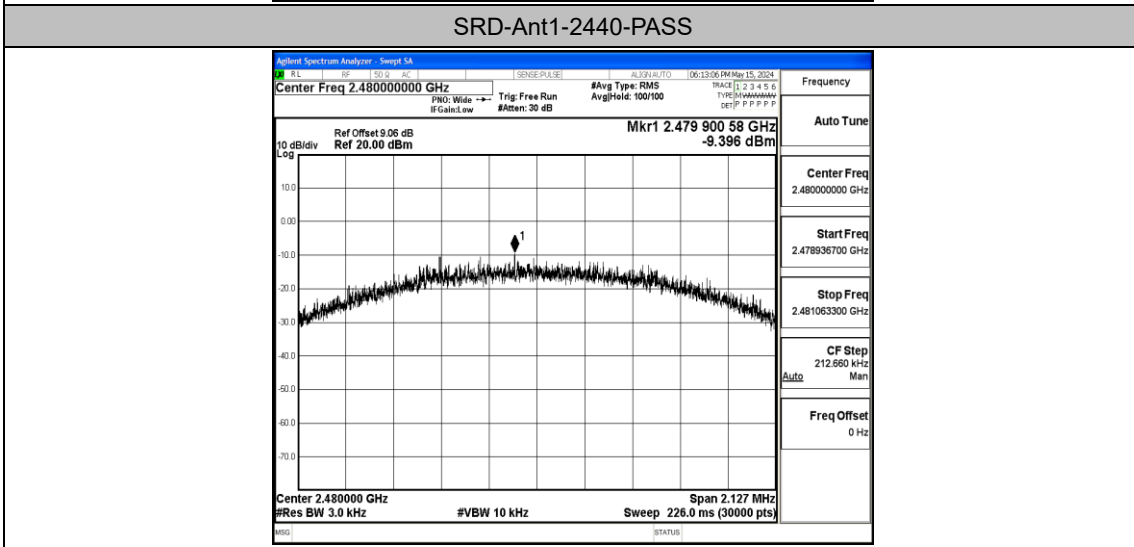
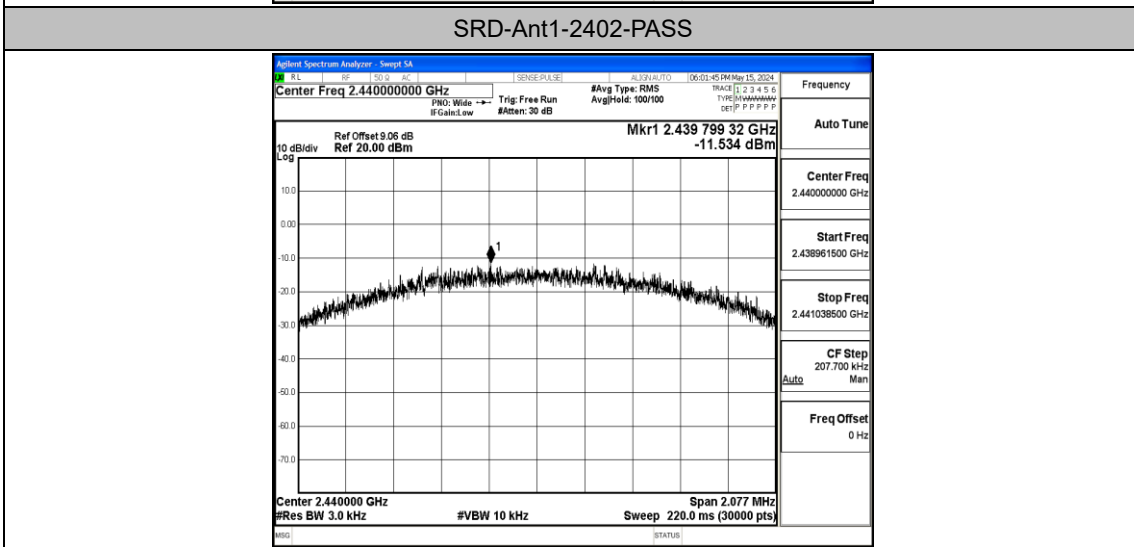
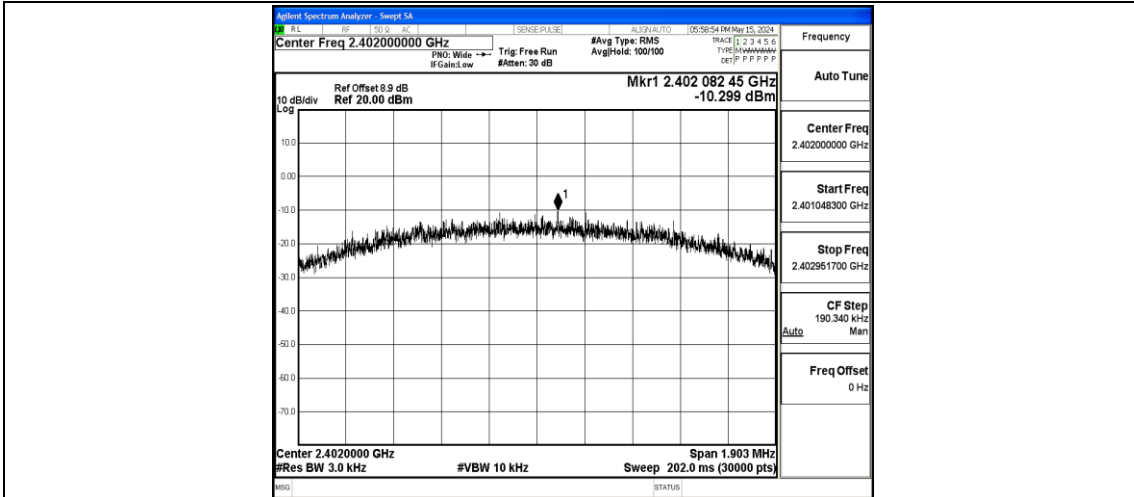
SRD-Ant1-2480-PASS

## Appendix D: Maximum peak power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	2402	-10.30	≤8.00	PASS
SRD	Ant1	2440	-11.53	≤8.00	PASS
SRD	Ant1	2480	-9.40	≤8.00	PASS

### Test Graphs



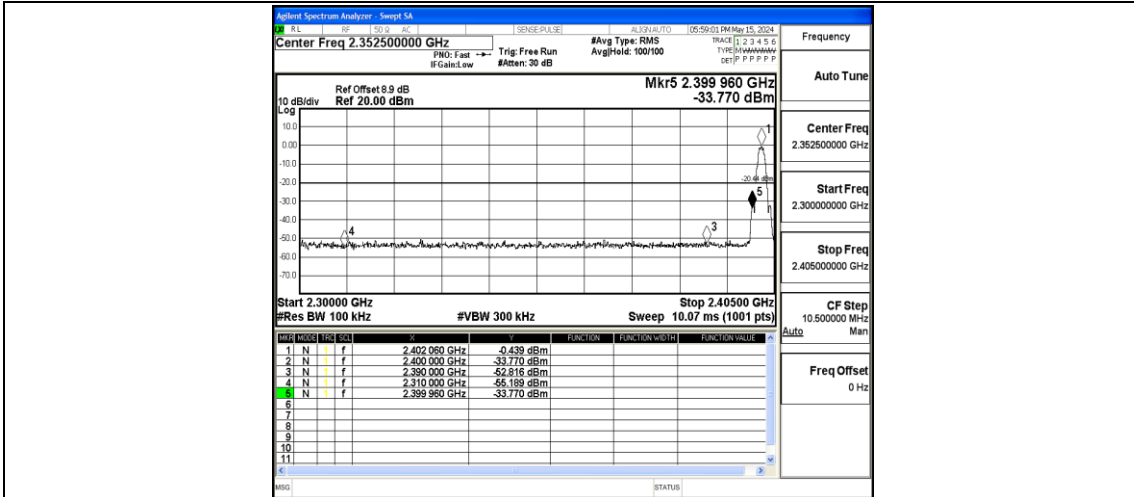


## Appendix E: Band edge measurements

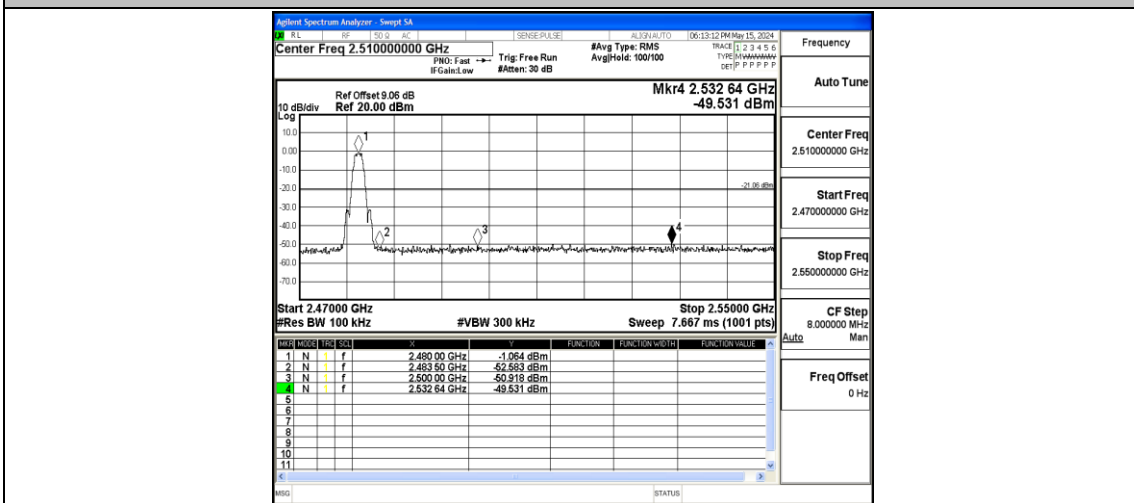
### Test Result

TestMod e	Antenn a	ChNam e	Frequency[MHz ]	RefLevel[dBm ]	Result[dBm ]	Limit[dBm ]	Verdic t
BLE_2M	Ant1	Low	2402	-0.44	-33.77	≤-20.44	PASS
BLE_2M	Ant1	High	2480	-1.06	-49.53	≤-21.06	PASS

### Test Graphs



BLE\_2M-Ant1-240-PASS



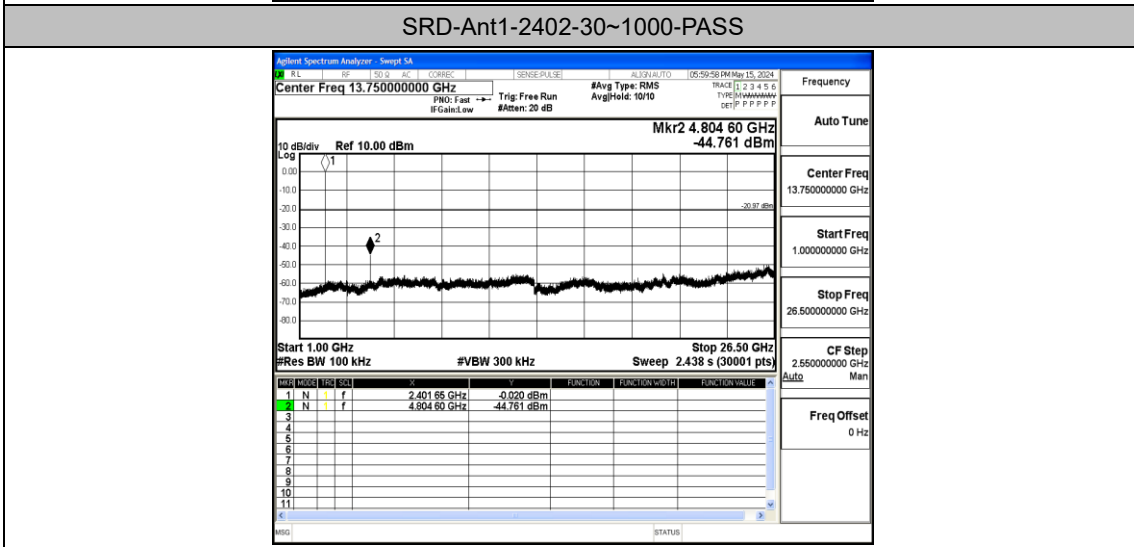
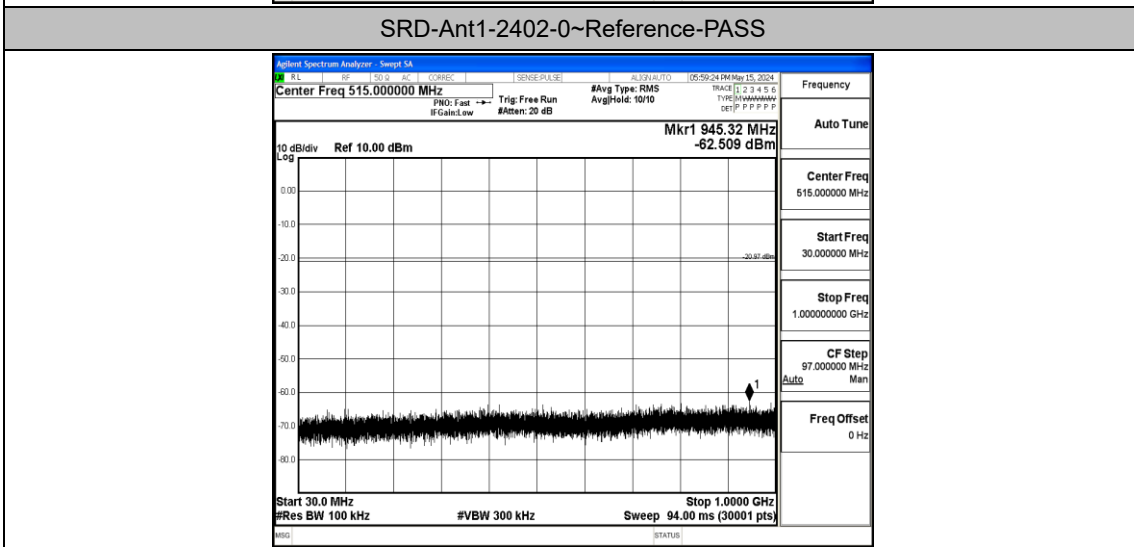
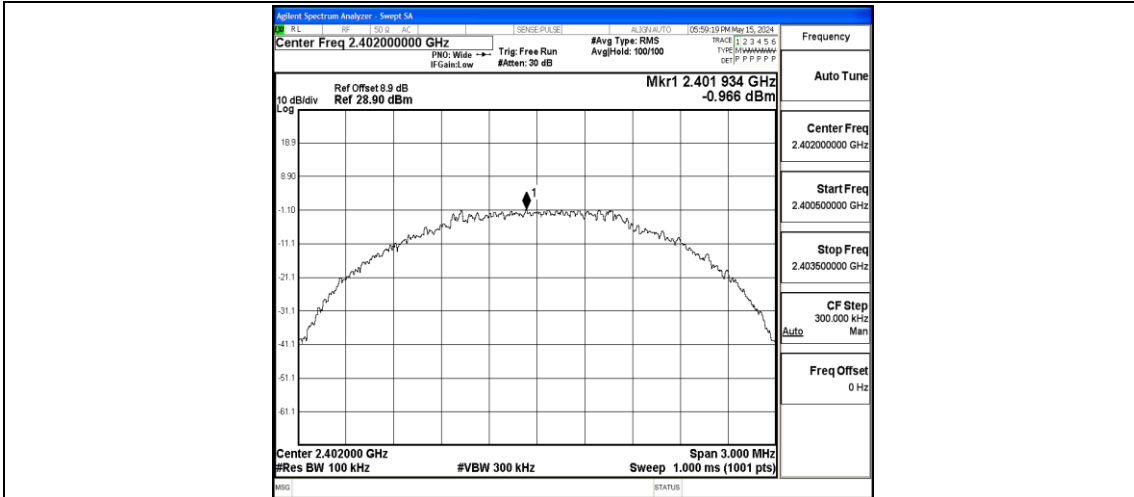
BLE\_2M-Ant1-2480-PASS

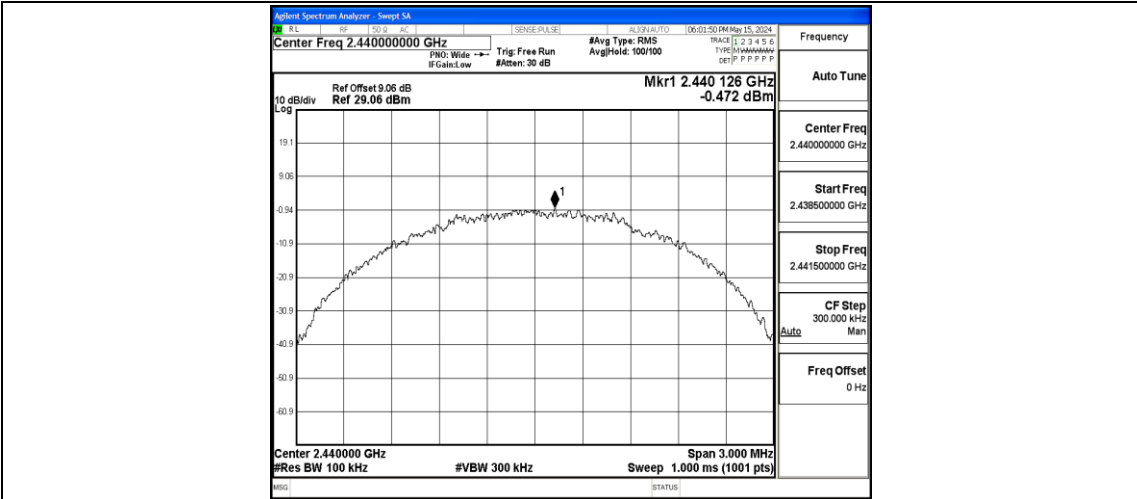
## Appendix F: Conducted Spurious Emission

### Test Result

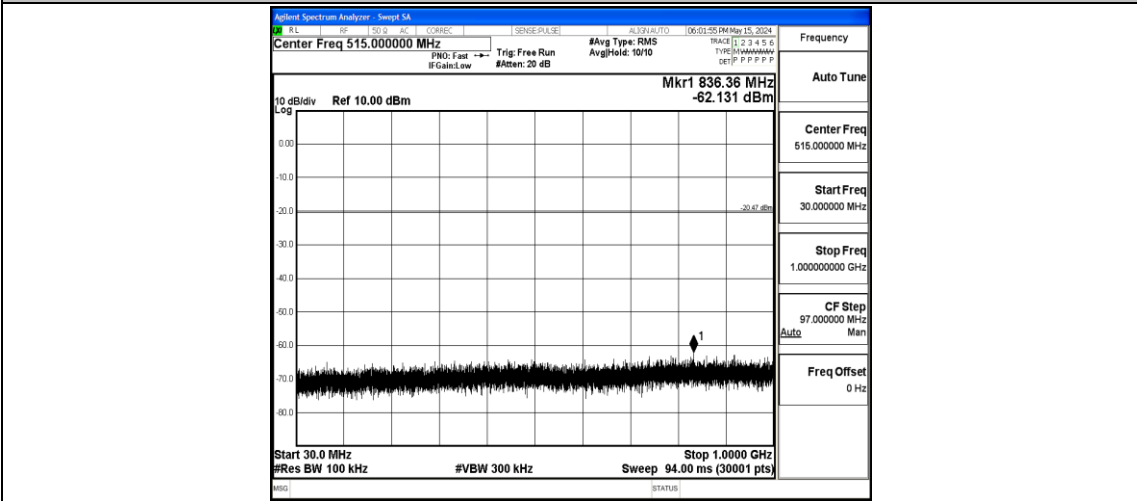
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2402	0~Reference	-0.97	-0.97	---	PASS
SRD	Ant1	2402	30~1000	-0.97	-62.51	≤-20.97	PASS
SRD	Ant1	2402	1000~26500	-0.97	-44.76	≤-20.97	PASS
SRD	Ant1	2440	0~Reference	-0.47	-0.47	---	PASS
SRD	Ant1	2440	30~1000	-0.47	-62.13	≤-20.47	PASS
SRD	Ant1	2440	1000~26500	-0.47	-45.4	≤-20.47	PASS
SRD	Ant1	2480	0~Reference	0.34	0.34	---	PASS
SRD	Ant1	2480	30~1000	0.34	-62.5	≤-19.66	PASS
SRD	Ant1	2480	1000~26500	0.34	-46.22	≤-19.66	PASS

### Test Graphs

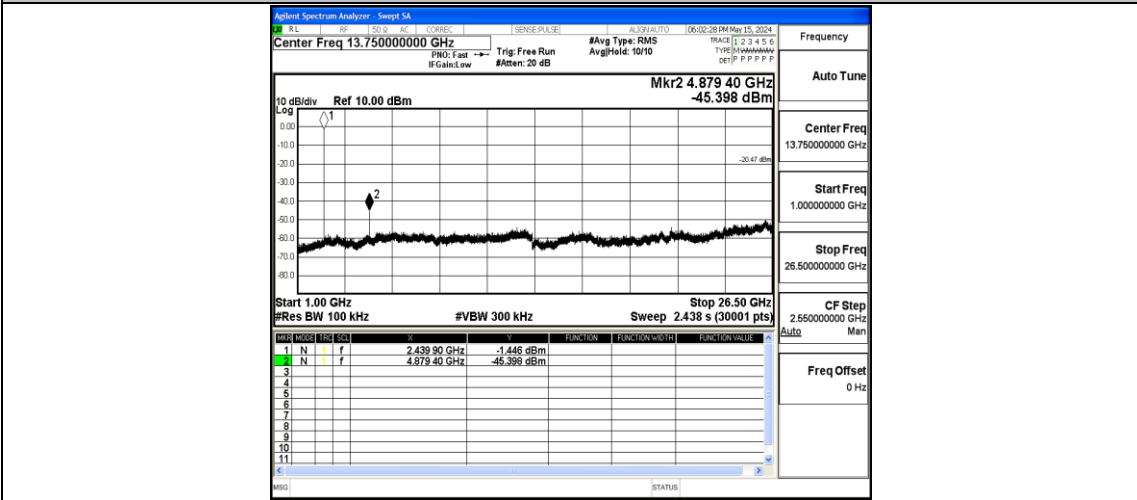




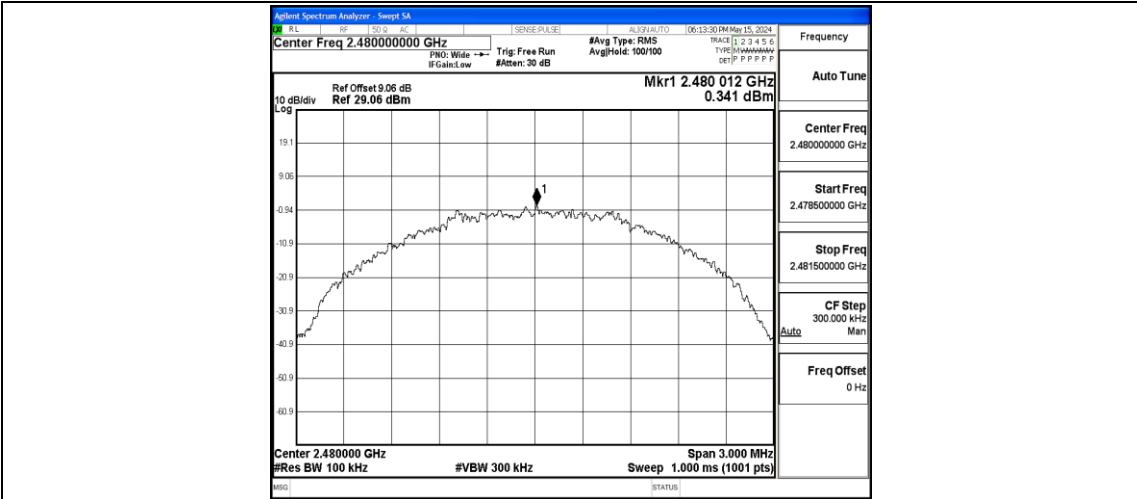
SRD-Ant1-2440-0~Reference-PASS



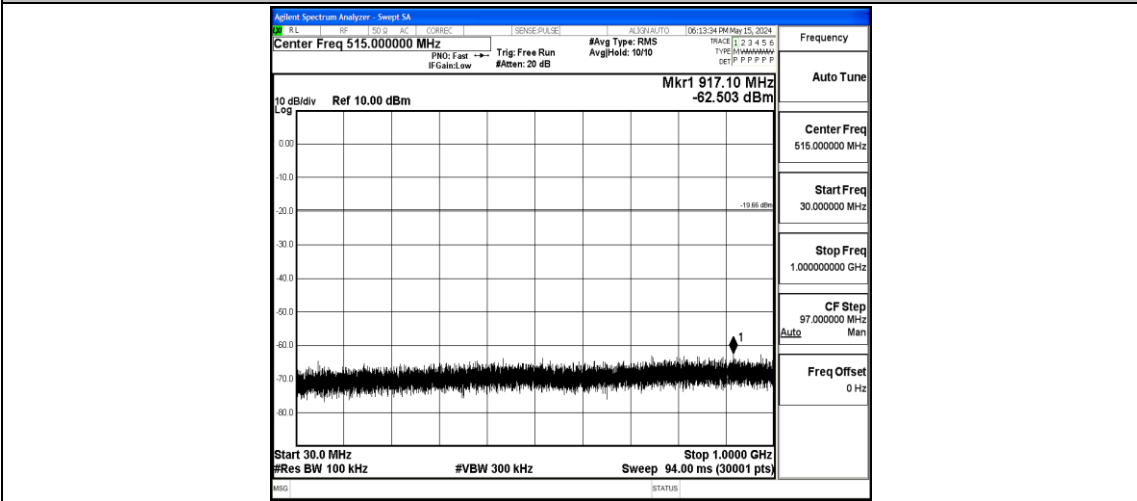
SRD-Ant1-2440-30~1000-PASS



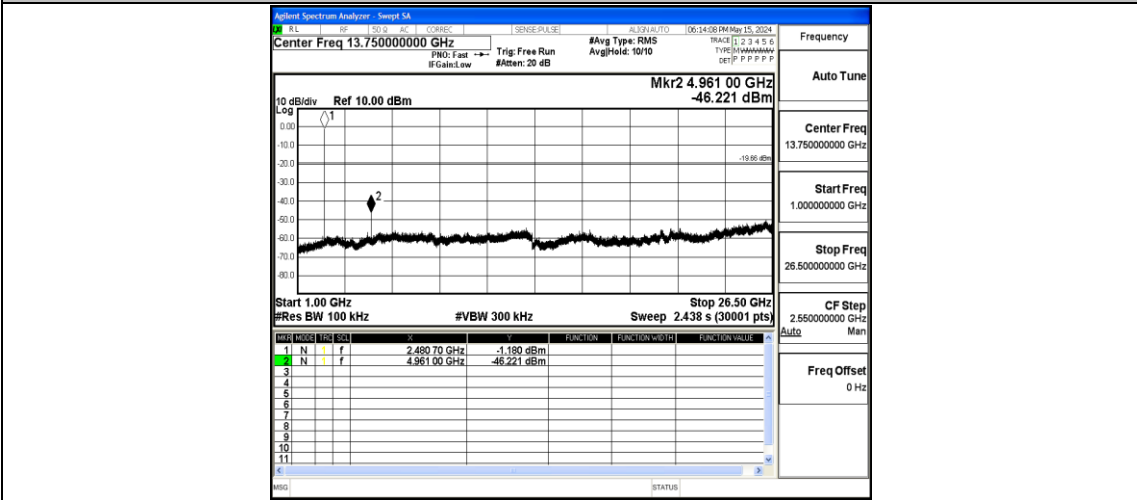
SRD-Ant1-2440-1000~26500-PASS



SRD-Ant1-2480-0~Reference-PASS



SRD-Ant1-2480-30~1000-PASS



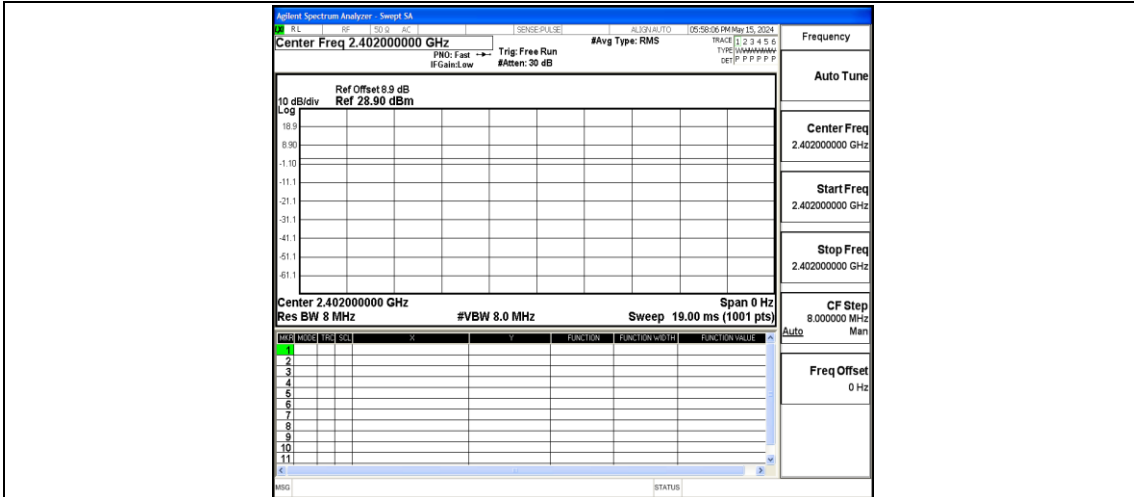
SRD-Ant1-2480-1000~26500-PASS

## Appendix G: Duty Cycle

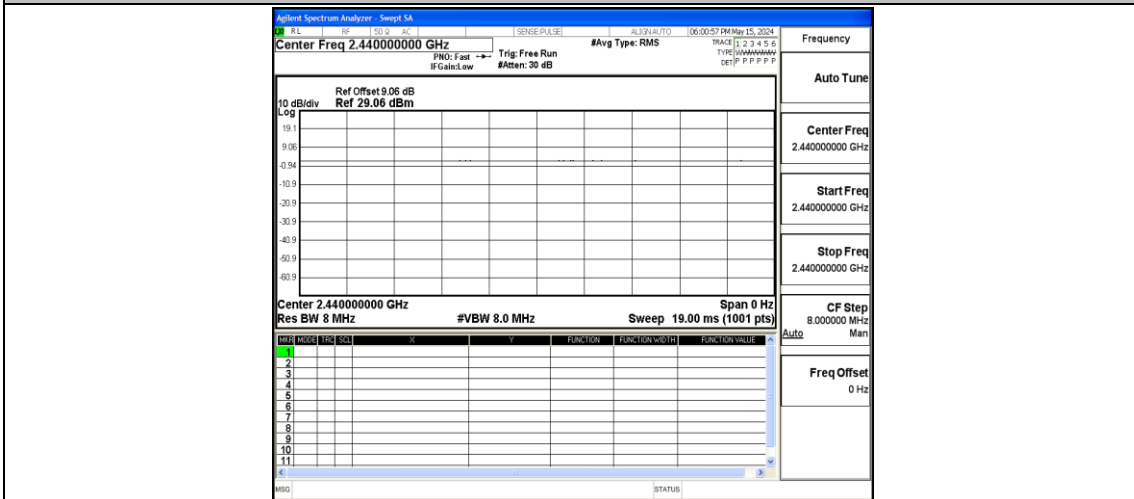
### Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
SRD	Ant1	2402	19.00	19.00	100.00	0.00
SRD	Ant1	2440	19.00	19.00	100.00	0.00
SRD	Ant1	2480	19.00	19.00	100.00	0.00

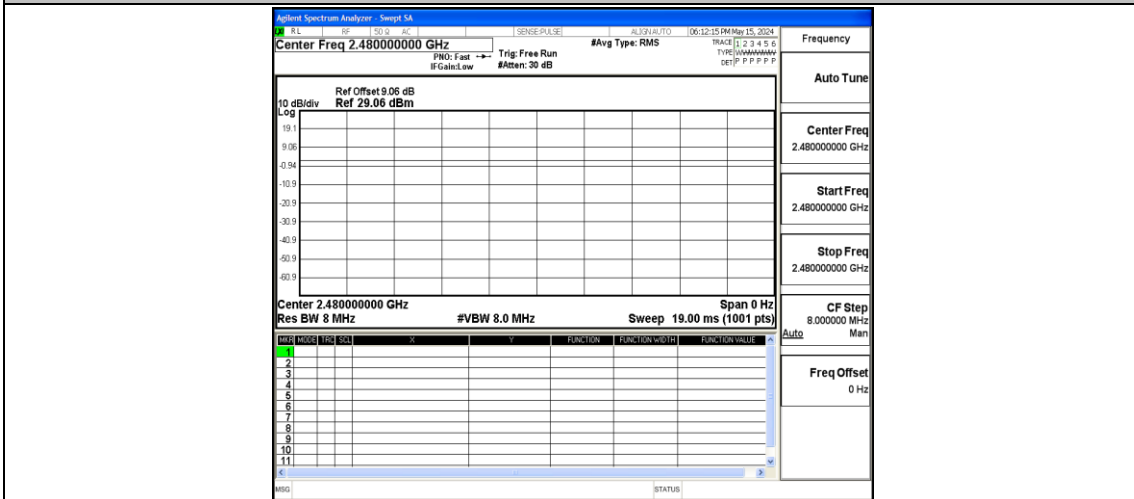
### Test Graphs



NTNV-SRD-Ant1-2402



NTNV-SRD-Ant1-2440



NTNV-SRD-Ant1-2480