

## Appendix Test Data for SRD (Conducted Measurement)

**Product Name: Wireless Mechanical Keyboard**

**Trade Mark: Keychron**

**Test Model: V3 Max**

**FCC ID: 2BGKB-V3MAX**

### Environmental Conditions

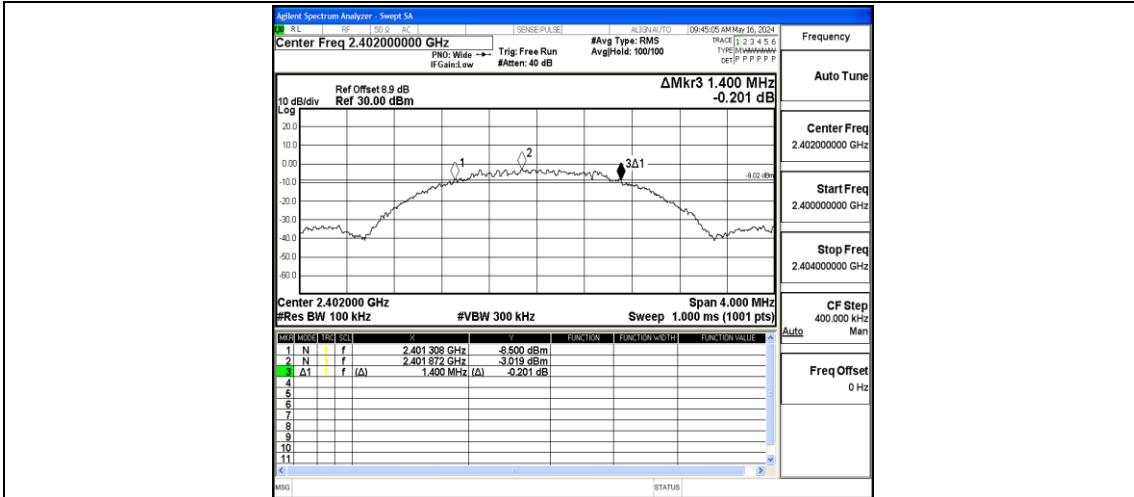
Temperature:	22.8° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

## Appendix A: DTS Bandwidth

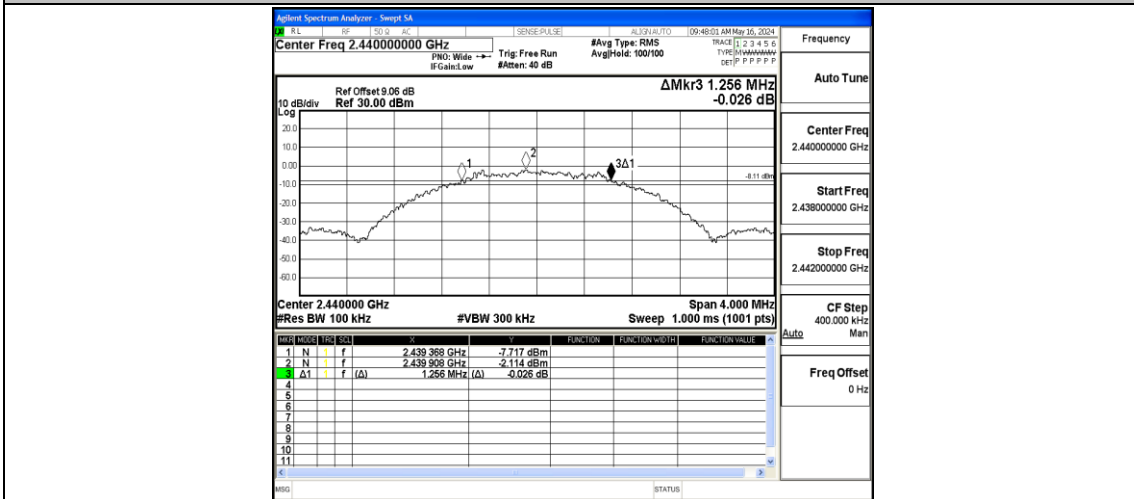
### Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	1.400	2401.308	2402.708	0.5	PASS
SRD	Ant1	2440	1.256	2439.368	2440.624	0.5	PASS
SRD	Ant1	2480	1.360	2479.364	2480.724	0.5	PASS

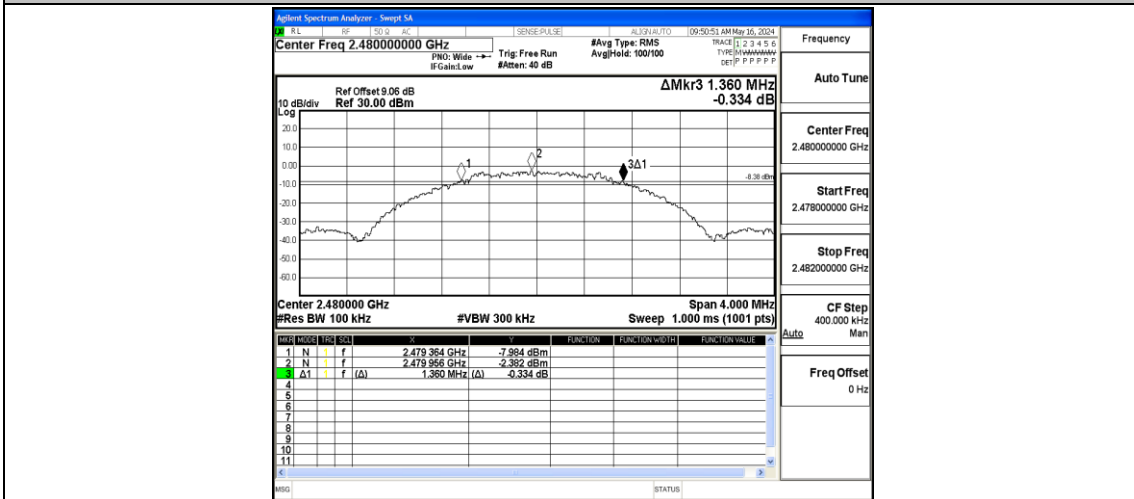
### Test Graphs



SRD-Ant1-2402-PASS



SRD-Ant1-2440-PASS



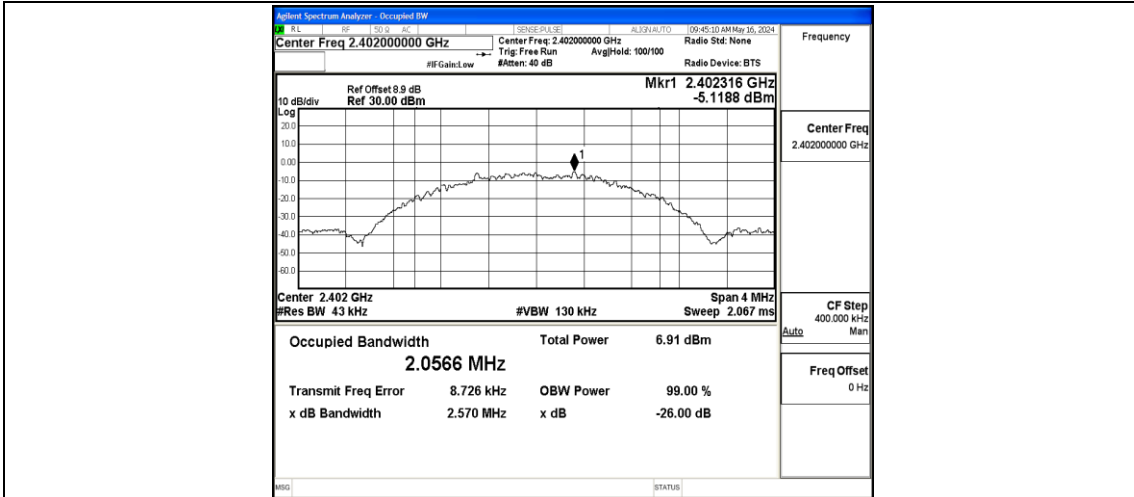
SRD-Ant1-2480-PASS

## Appendix B: Occupied Channel Bandwidth

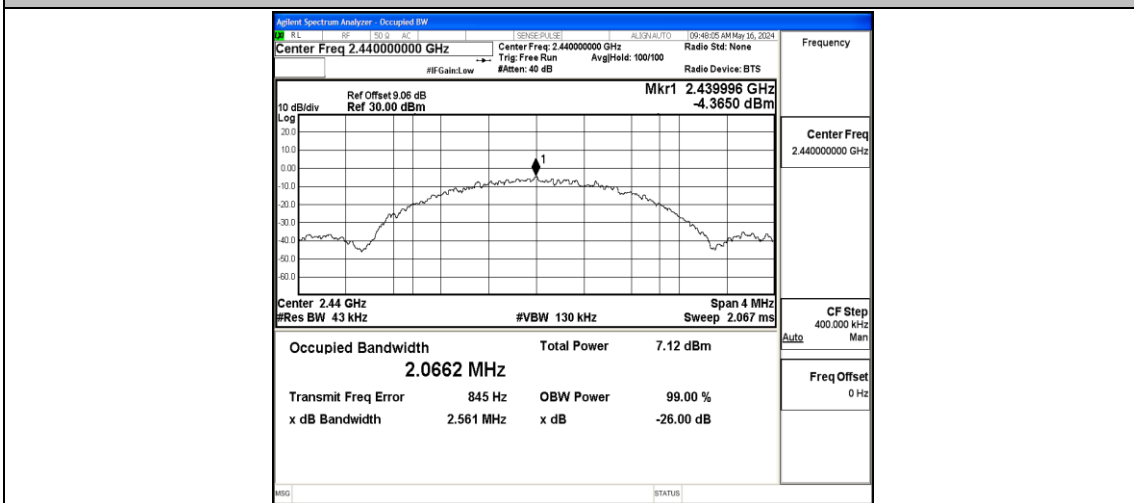
### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	2.0566	2400.9804	2403.0370	---	---
SRD	Ant1	2440	2.0662	2438.9678	2441.0340	---	---
SRD	Ant1	2480	2.0675	2478.9838	2481.0513	---	---

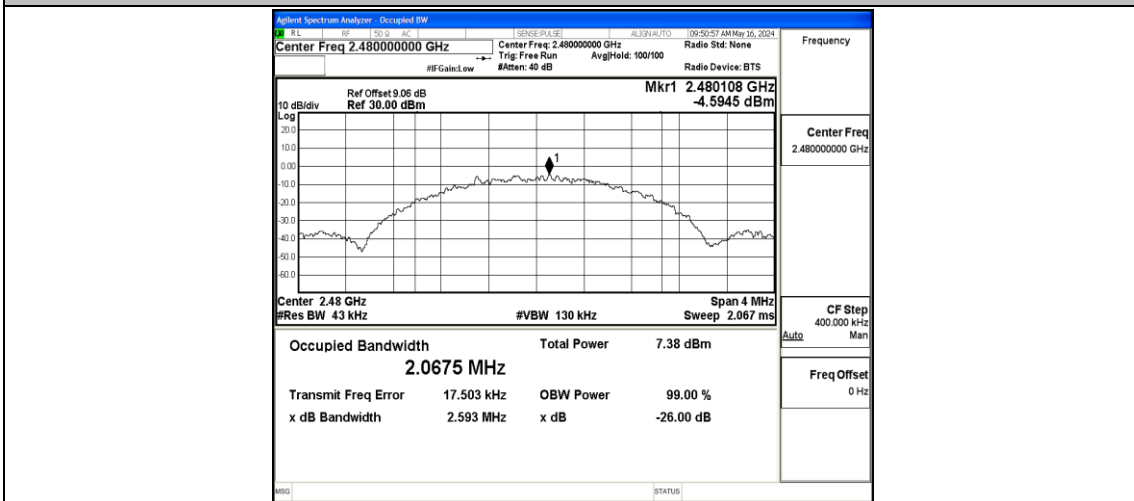
### Test Graphs



SRD-Ant1-2402



SRD-Ant1-2440



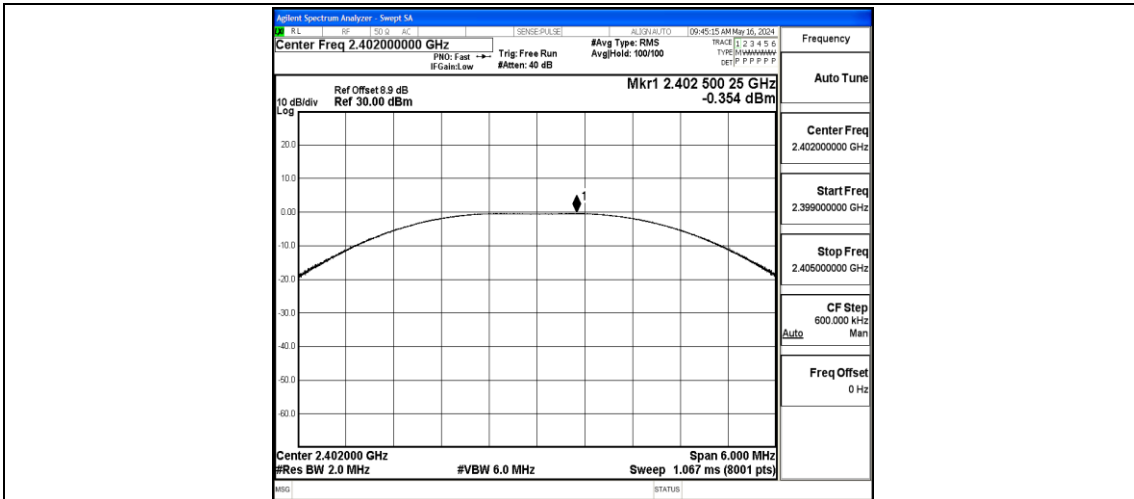
SRD-Ant1-2480

## Appendix C: Maximum peak conducted output power

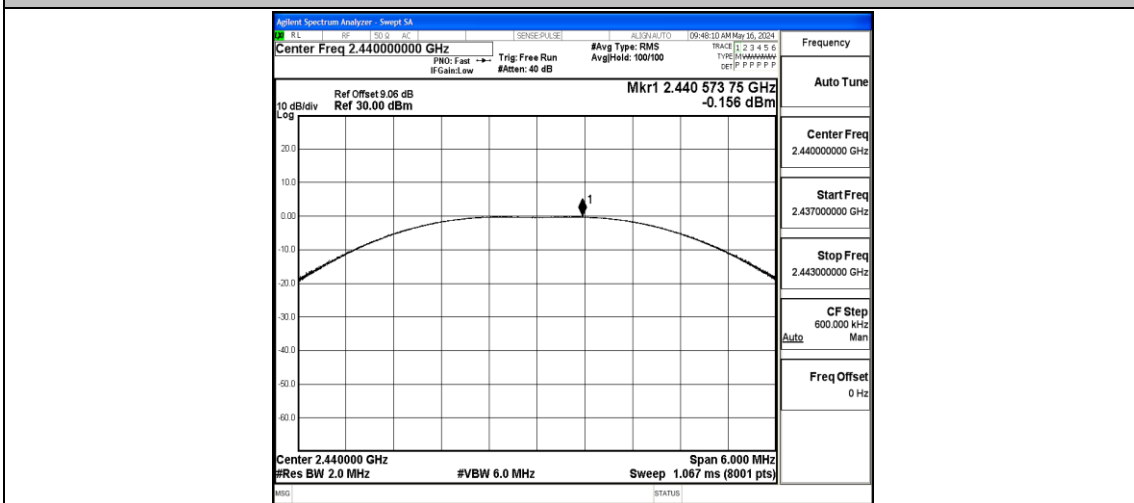
### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
SRD	Ant1	2402	-0.35	≤30	PASS
SRD	Ant1	2440	-0.16	≤30	PASS
SRD	Ant1	2480	0.03	≤30	PASS

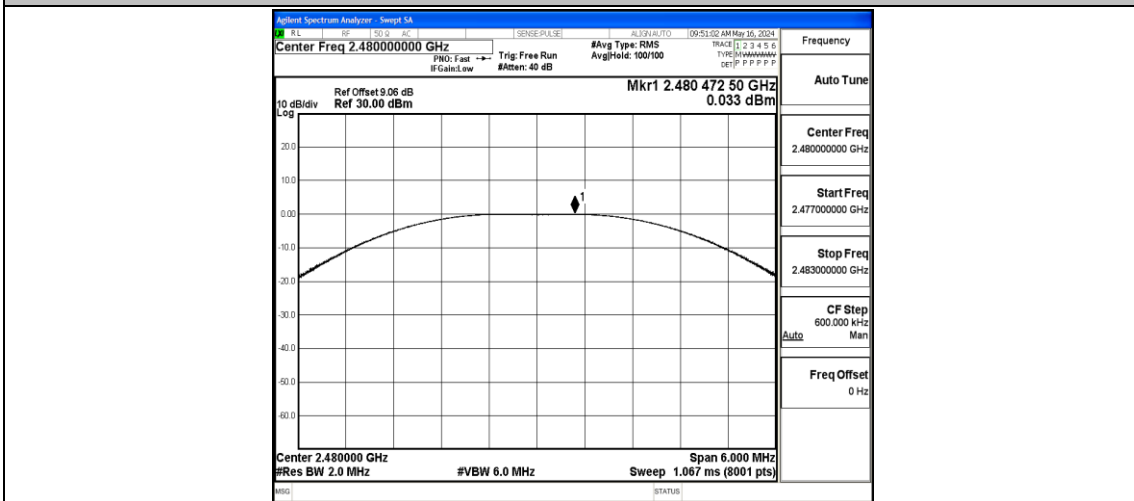
### Test Graphs Peak



SRD-Ant1-2402-PASS



SRD-Ant1-2440-PASS



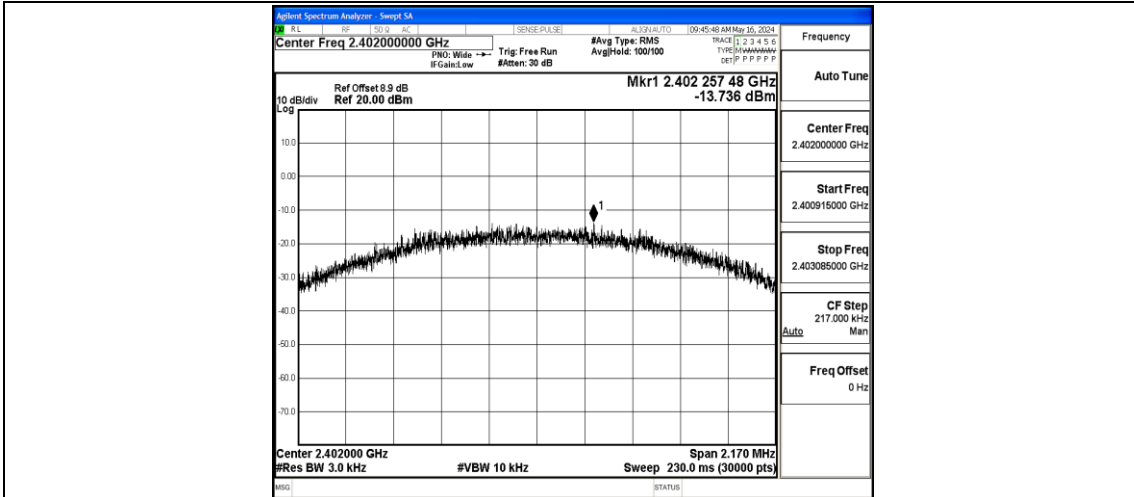
SRD-Ant1-2480-PASS

## Appendix D: Maximum peak power spectral density

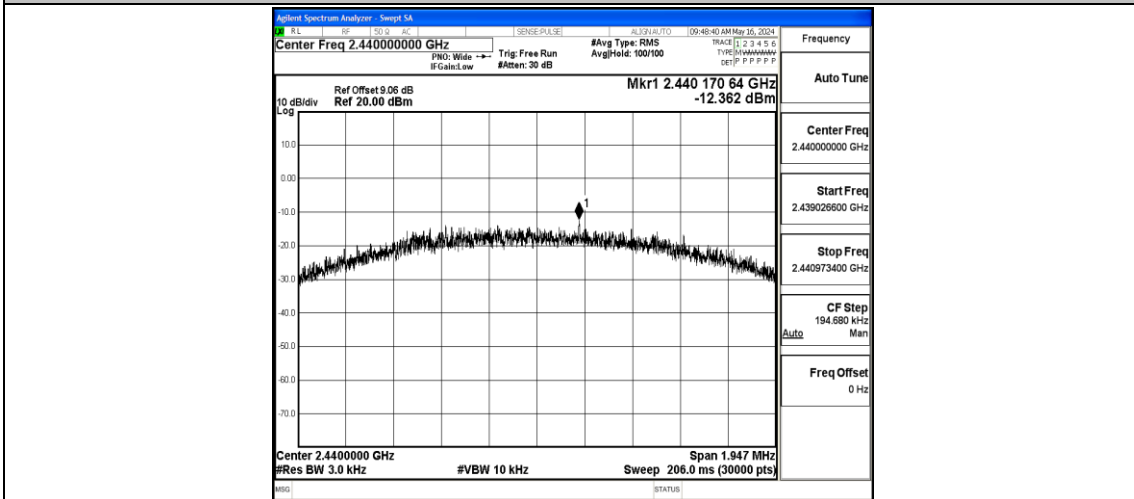
### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	2402	-13.74	≤8.00	PASS
SRD	Ant1	2440	-12.36	≤8.00	PASS
SRD	Ant1	2480	-12.78	≤8.00	PASS

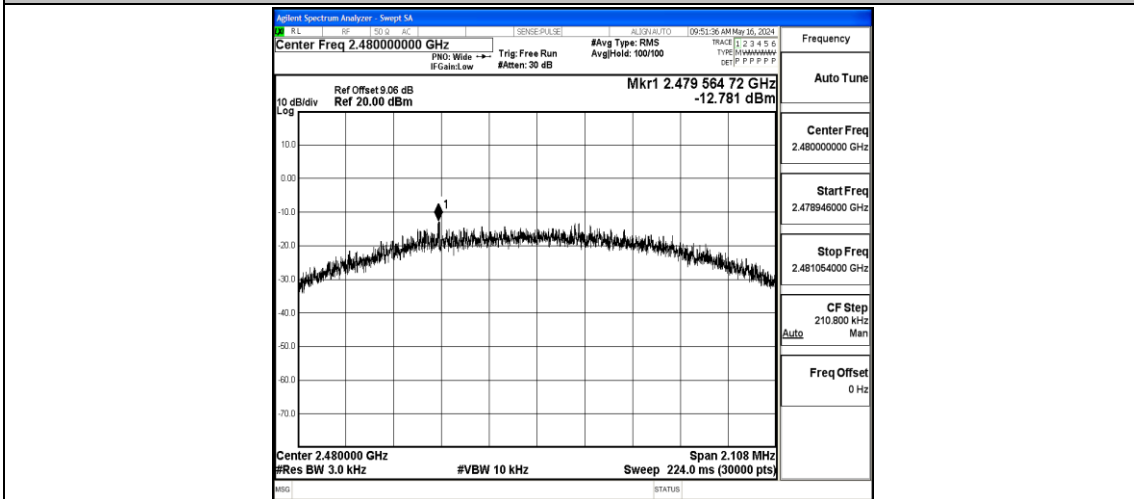
### Test Graphs



SRD-Ant1-2402-PASS



SRD-Ant1-2440-PASS



SRD-Ant1-2480-PASS

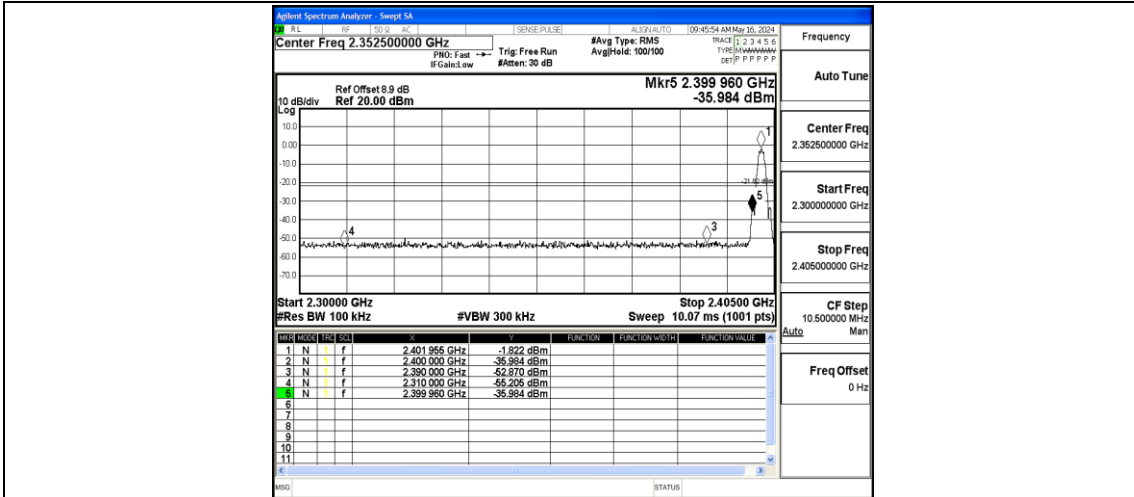


## Appendix E: Band edge measurements

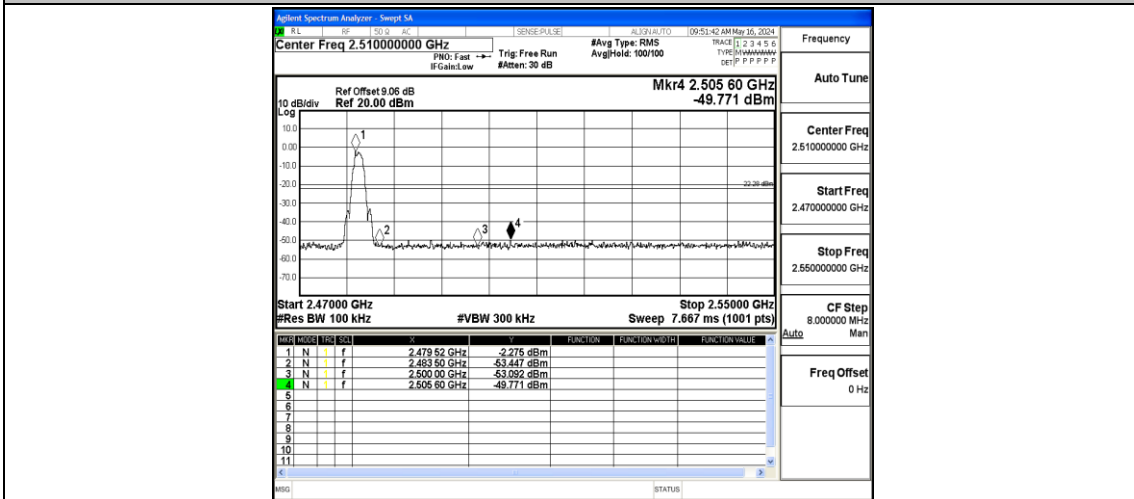
### Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	Low	2402	-1.82	-35.98	≤-21.82	PASS
SRD	Ant1	High	2480	-2.28	-49.77	≤-22.28	PASS

### Test Graphs



SRD-Ant1-2402-PASS



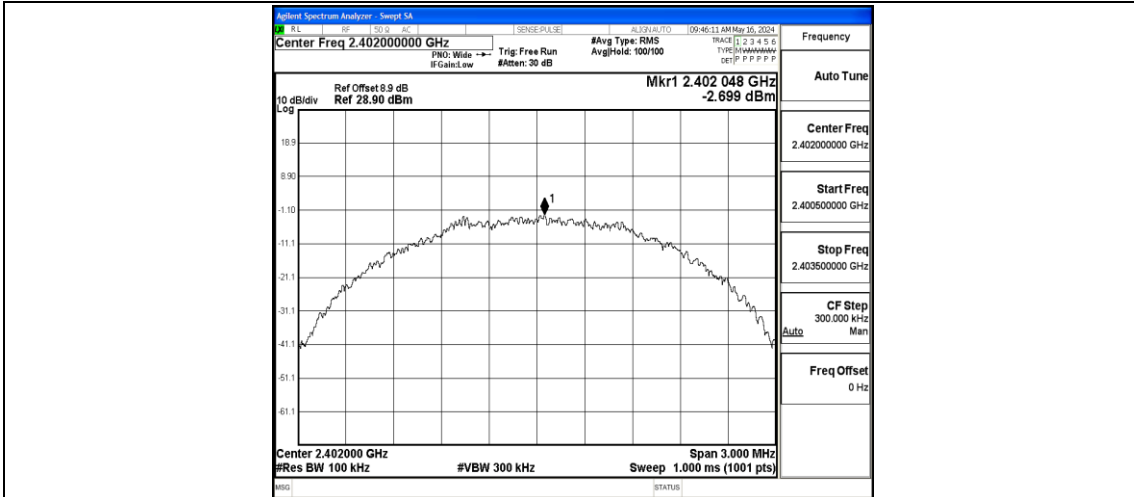
SRD-Ant1-2480-PASS

## Appendix F: Conducted Spurious Emission

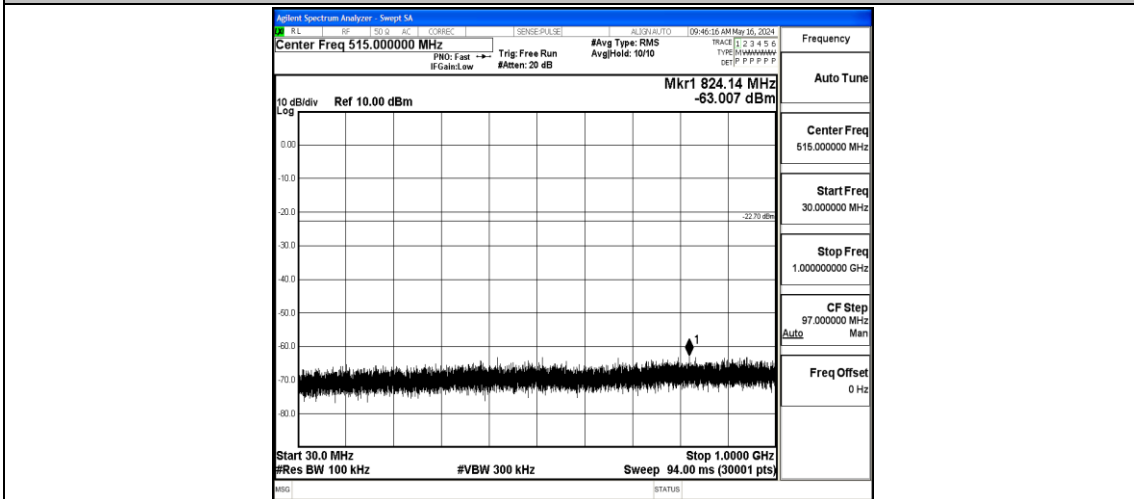
### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2402	0~Reference	-2.70	-2.70	---	PASS
SRD	Ant1	2402	30~1000	-2.70	-63.01	≤-22.7	PASS
SRD	Ant1	2402	1000~26500	-2.70	-50.13	≤-22.7	PASS
SRD	Ant1	2440	0~Reference	-2.12	-2.12	---	PASS
SRD	Ant1	2440	30~1000	-2.12	-62.33	≤-22.12	PASS
SRD	Ant1	2440	1000~26500	-2.12	-49.05	≤-22.12	PASS
SRD	Ant1	2480	0~Reference	-1.81	-1.81	---	PASS
SRD	Ant1	2480	30~1000	-1.81	-62.9	≤-21.81	PASS
SRD	Ant1	2480	1000~26500	-1.81	-50.41	≤-21.81	PASS

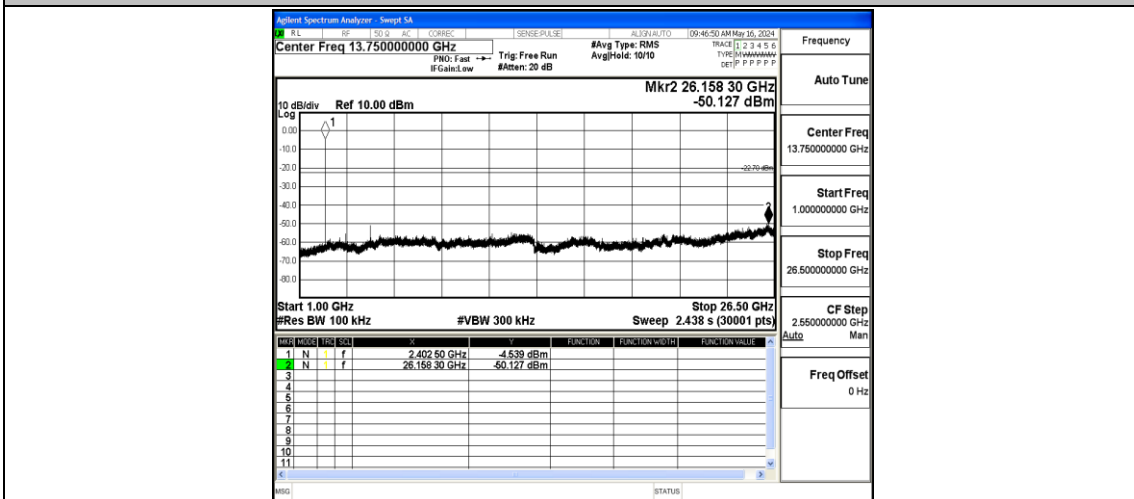
### Test Graphs



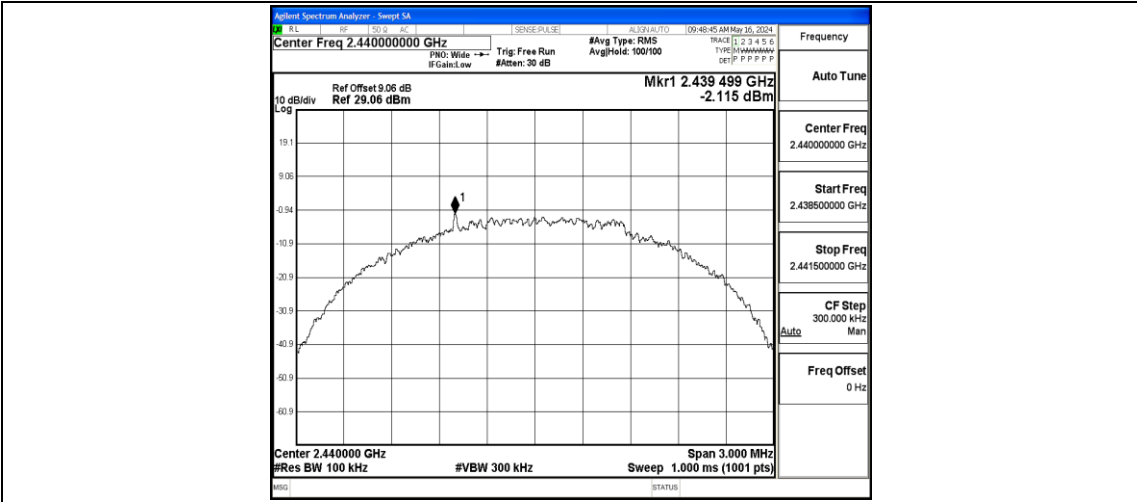
SRD-Ant1-2402-0~Reference-PASS



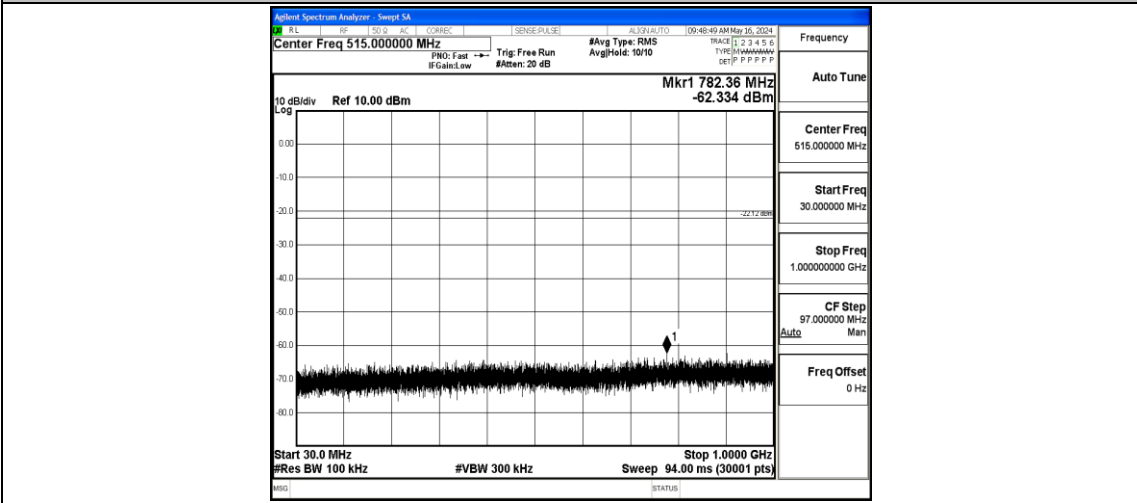
SRD-Ant1-2402-30~1000-PASS



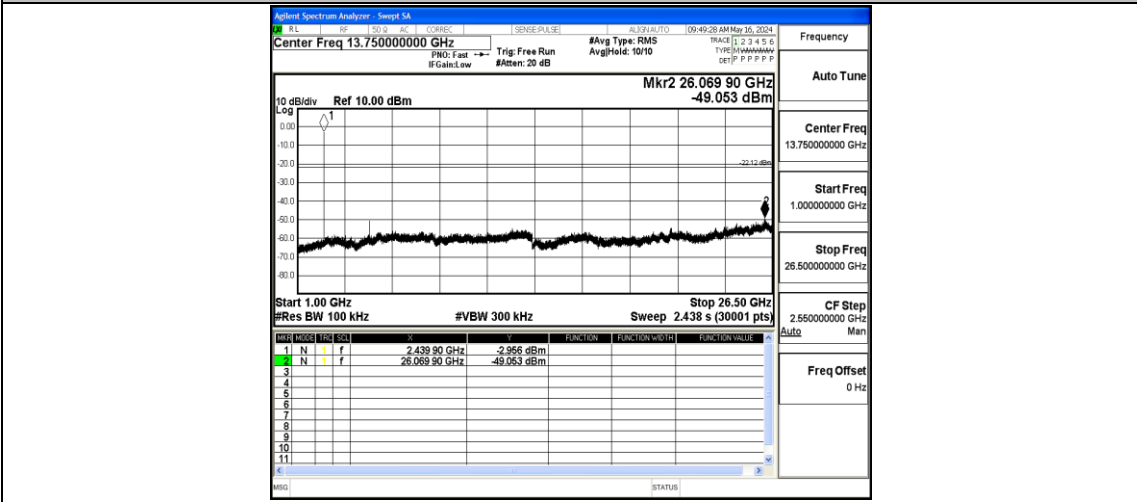
SRD-Ant1-2402-1000~26500-PASS



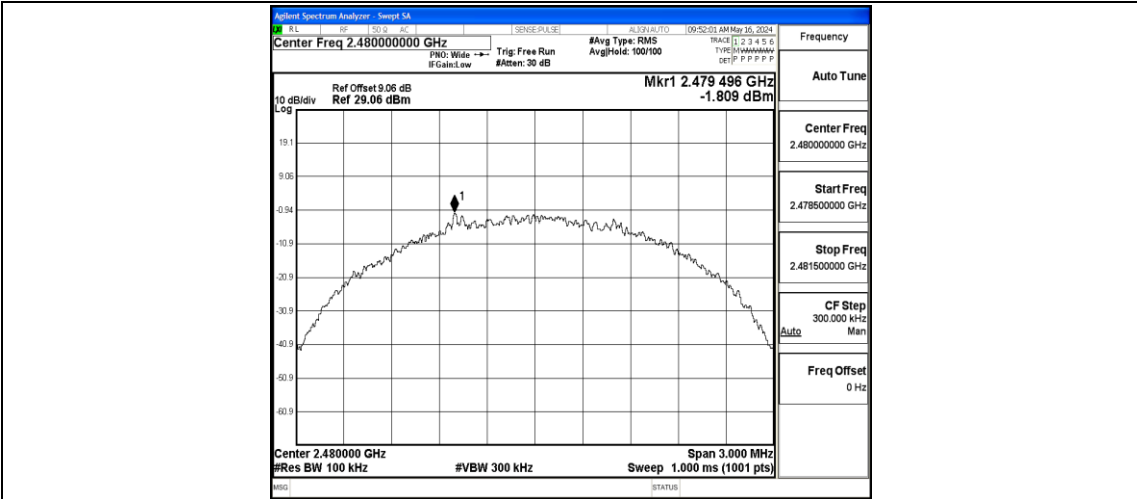
SRD-Ant1-2440-0~Reference-PASS



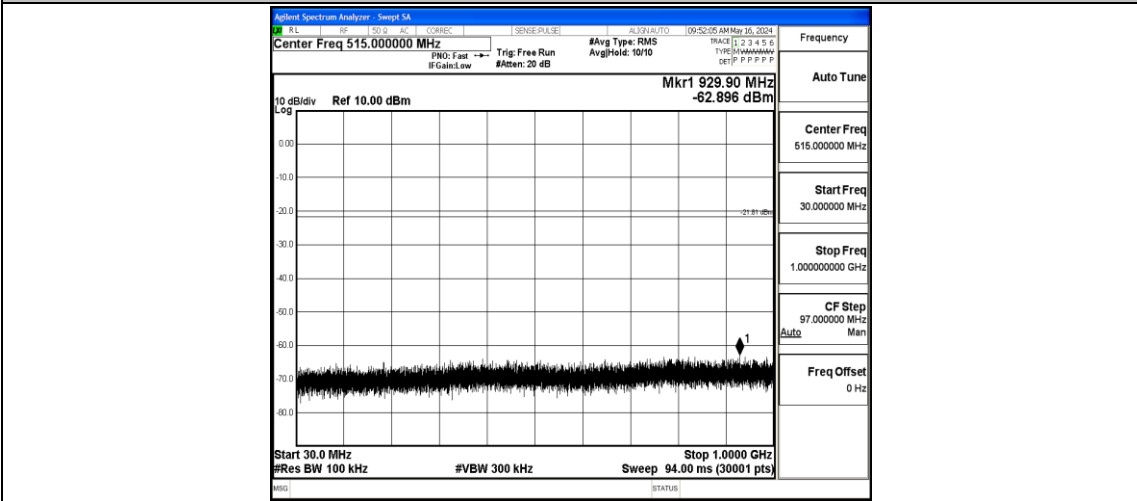
SRD-Ant1-2440-30~1000-PASS



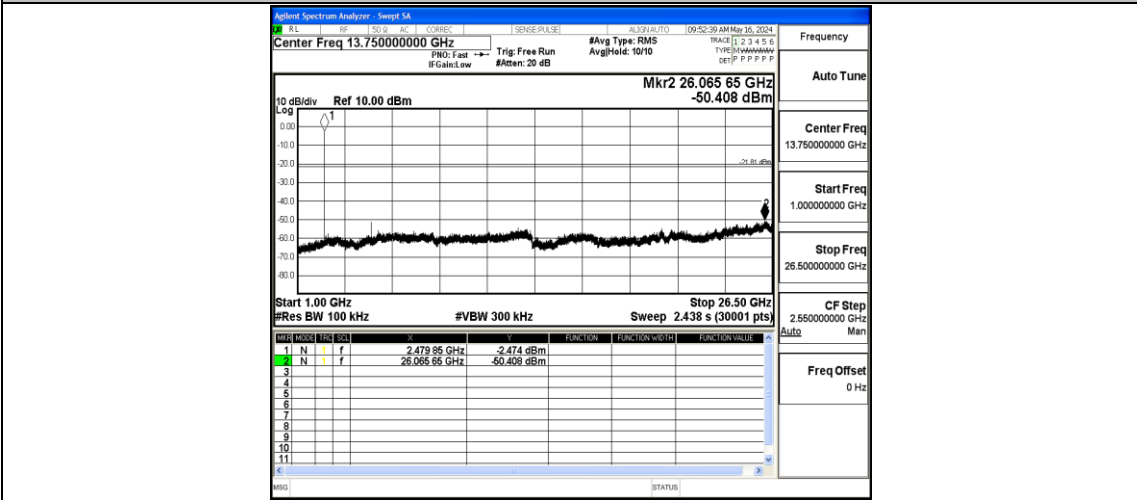
SRD-Ant1-2440-1000~26500-PASS



SRD-Ant1-2480-0~Reference-PASS



SRD-Ant1-2480-30~1000-PASS



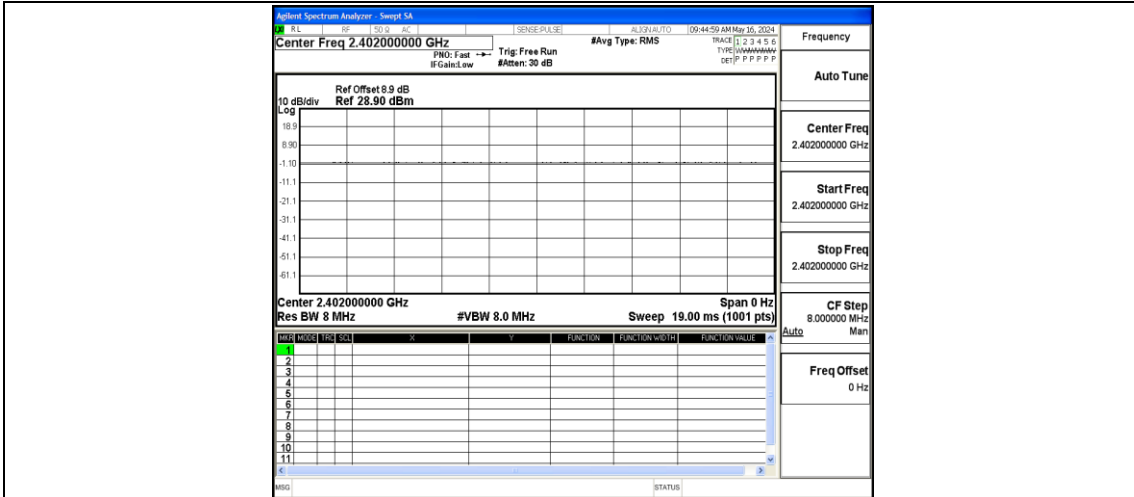
SRD-Ant1-2480-1000~26500-PASS

## Appendix G: Duty Cycle

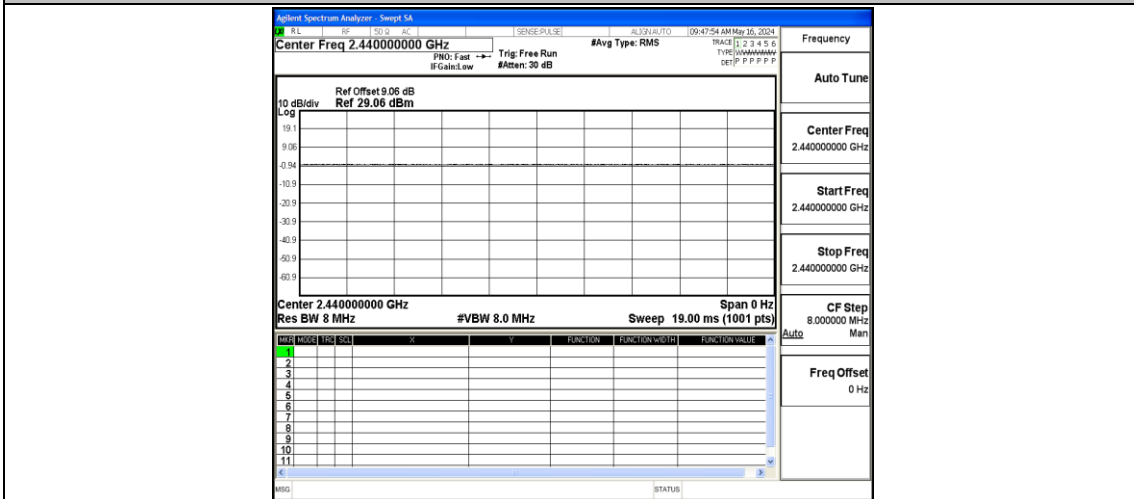
### Test Result

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

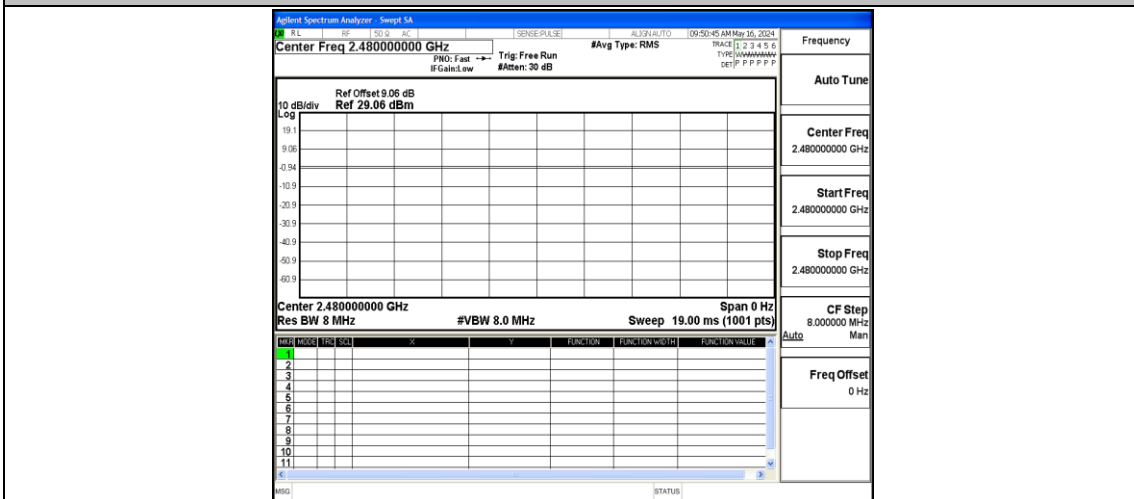
### Test Graphs



NTNV-SRD-Ant1-2402



NTNV-SRD-Ant1-2440



NTNV-SRD-Ant1-2480