

## Appendix Test Data for BLE (Conducted Measurement)

Product Name: mobile phone

Trade Mark: aderroo

Test Model: Reno6 pro

FCC ID: 2BE8S-RENO6PRO

### Environmental Conditions

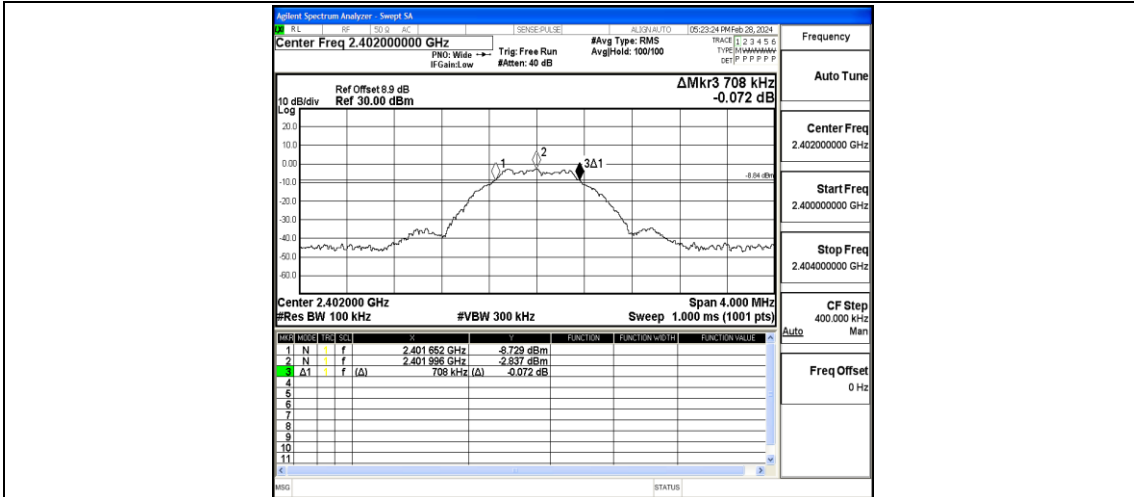
Temperature:	23.8°C
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

## Appendix A: DTS Bandwidth

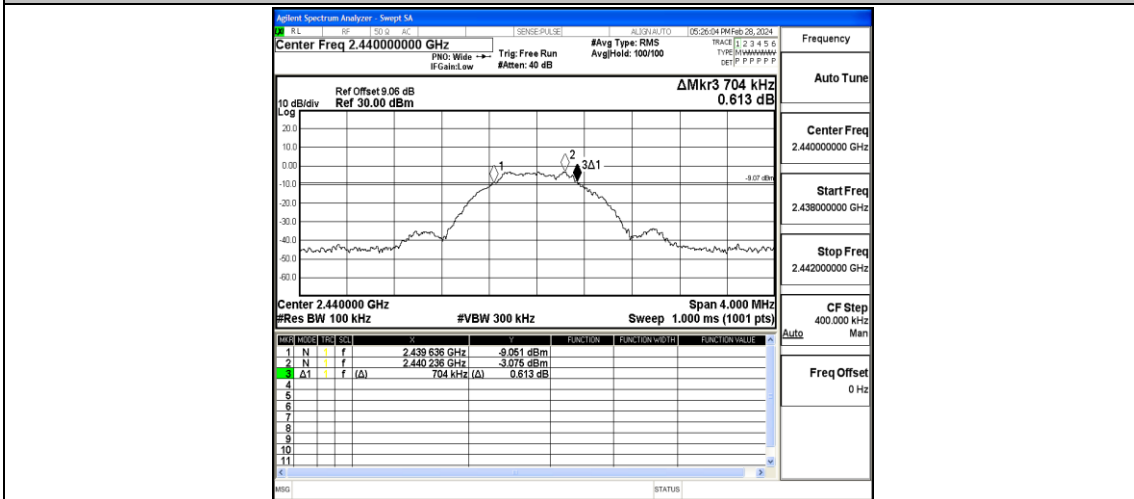
### Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.708	2401.652	2402.360	0.5	PASS
BLE_1M	Ant1	2440	0.704	2439.636	2440.340	0.5	PASS
BLE_1M	Ant1	2480	0.700	2479.644	2480.344	0.5	PASS

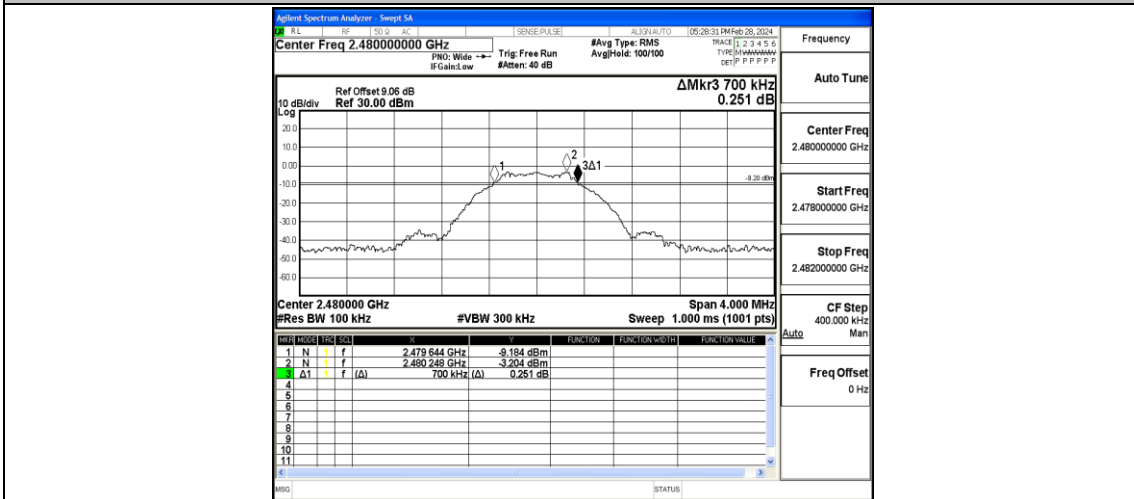
### Test Graphs



BLE\_1M-Ant1-240-PASS



BLE\_1M-Ant1-244-PASS



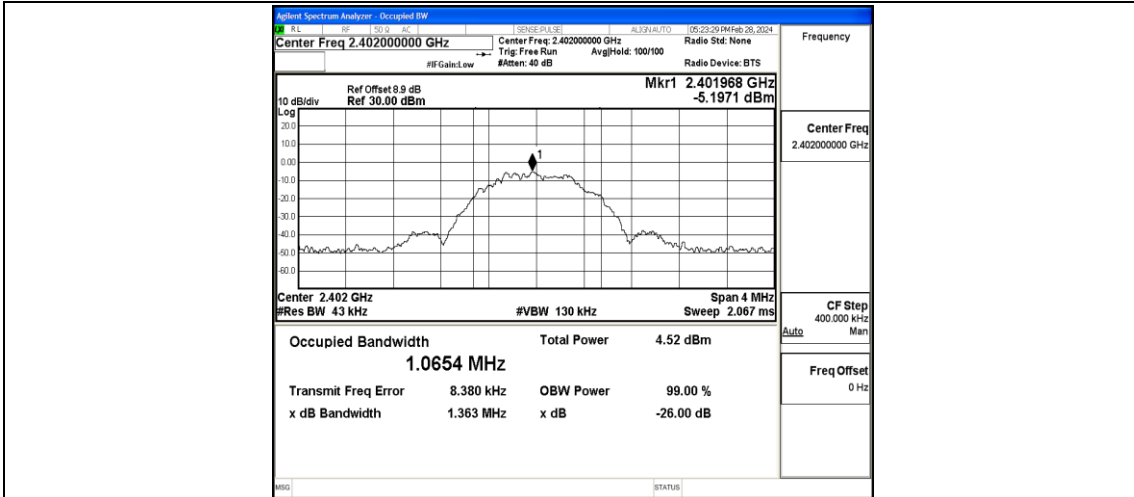
BLE\_1M-Ant1-2480-PASS

## Appendix B: Occupied Channel Bandwidth

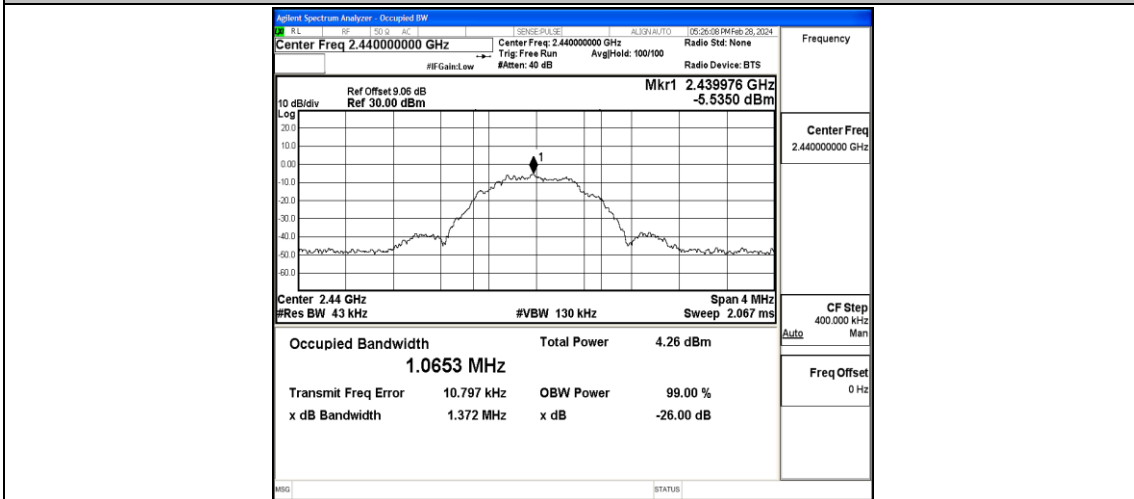
### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0654	2401.4757	2402.5411	---	---
BLE_1M	Ant1	2440	1.0653	2439.4782	2440.5435	---	---
BLE_1M	Ant1	2480	1.0624	2479.4818	2480.5442	---	---

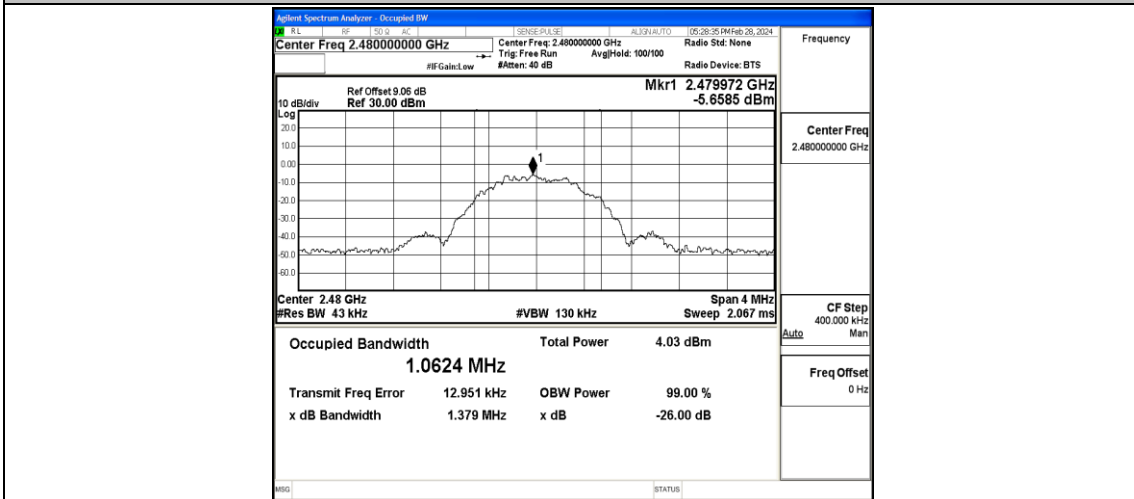
### Test Graphs



BLE\_1M-Ant1-2402



BLE\_1M-Ant1-2440



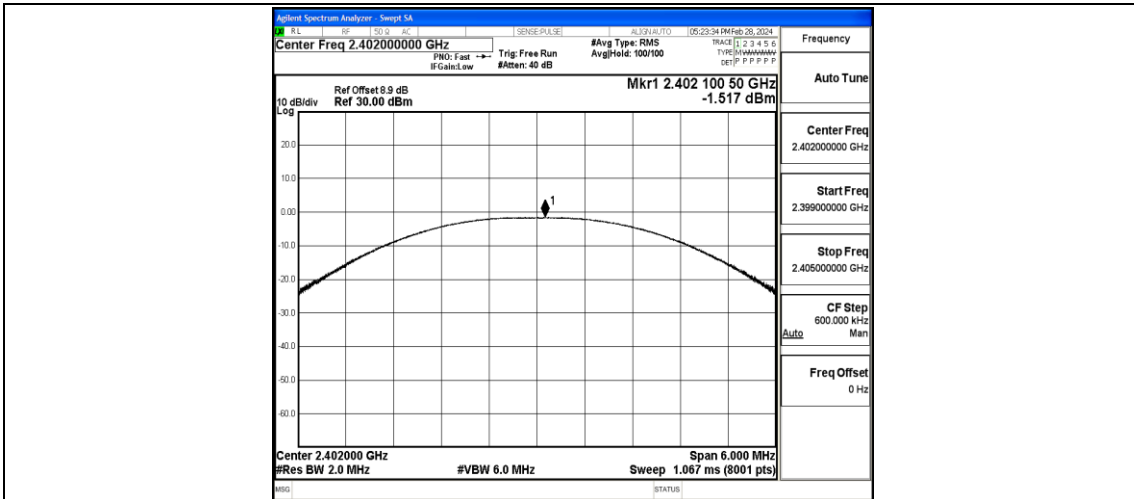
BLE\_1M-Ant1-2480

## Appendix C: Maximum peak conducted output power

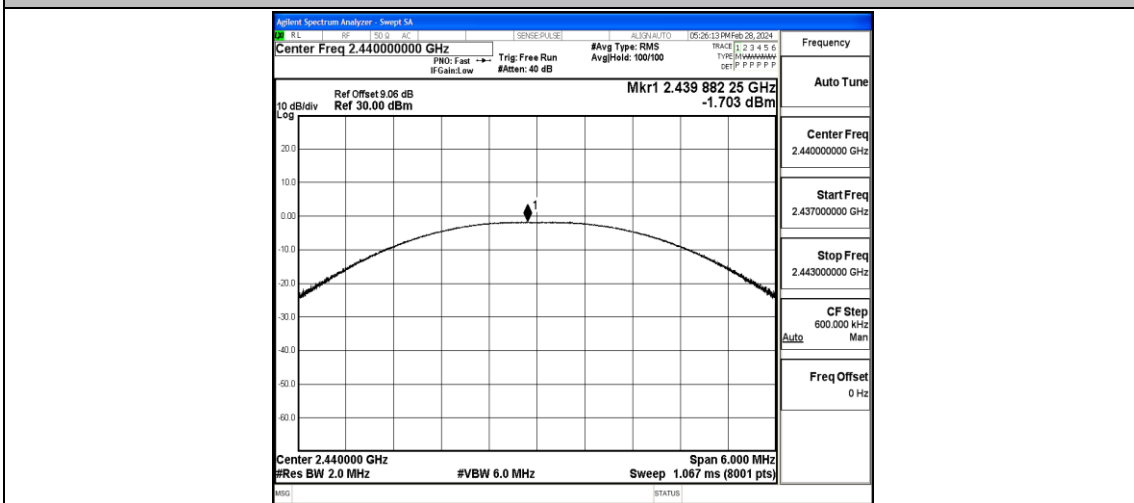
### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.52	≤30	-1.52	≤36	PASS
BLE_1M	Ant1	2440	-1.70	≤30	-1.70	≤36	PASS
BLE_1M	Ant1	2480	-1.96	≤30	-1.96	≤36	PASS

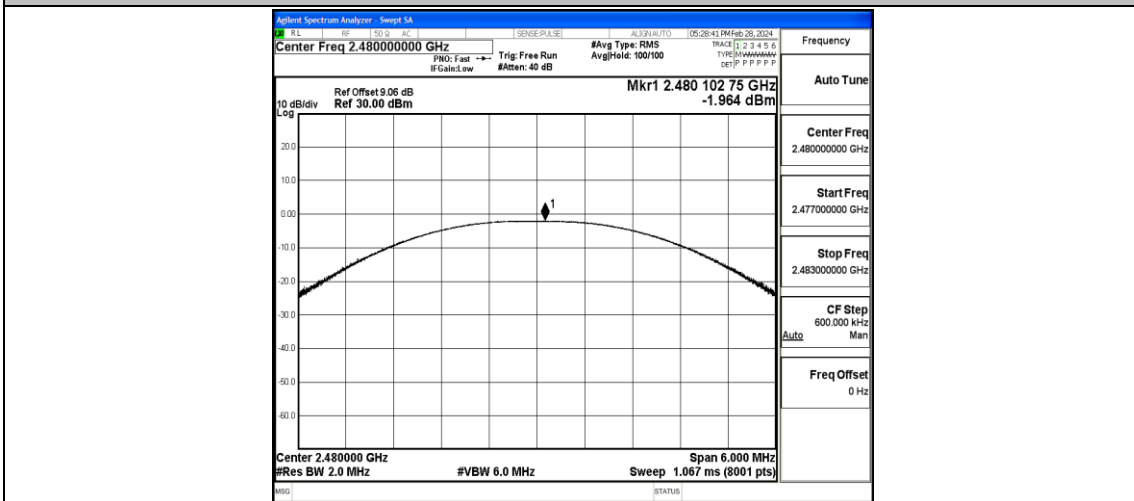
### Test Graphs Peak



BLE\_1M-Ant1-240-PASS



BLE\_1M-Ant1-244-PASS



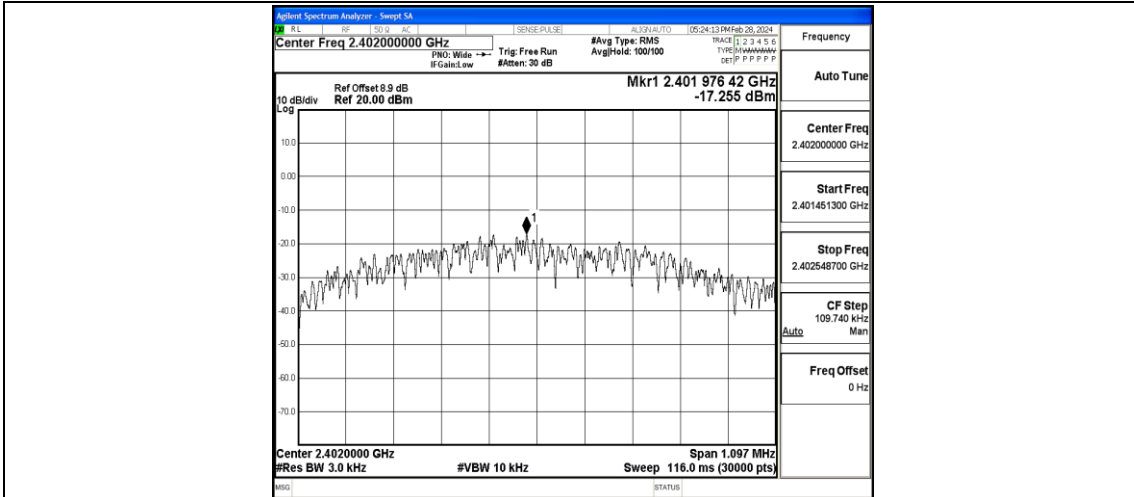
BLE\_1M-Ant1-248-PASS

## Appendix D: Maximum peak power spectral density

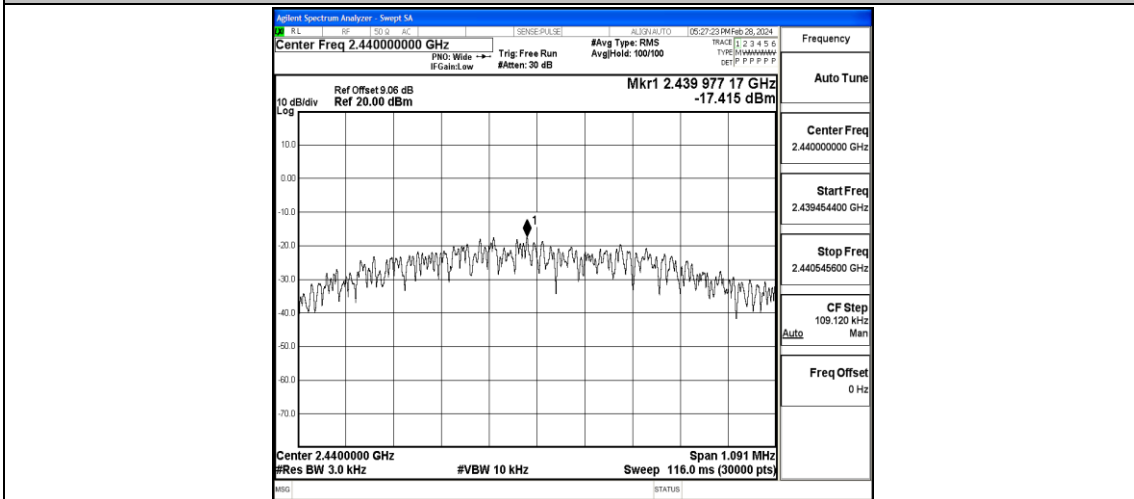
### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.26	≤8.00	PASS
BLE_1M	Ant1	2440	-17.42	≤8.00	PASS
BLE_1M	Ant1	2480	-17.66	≤8.00	PASS

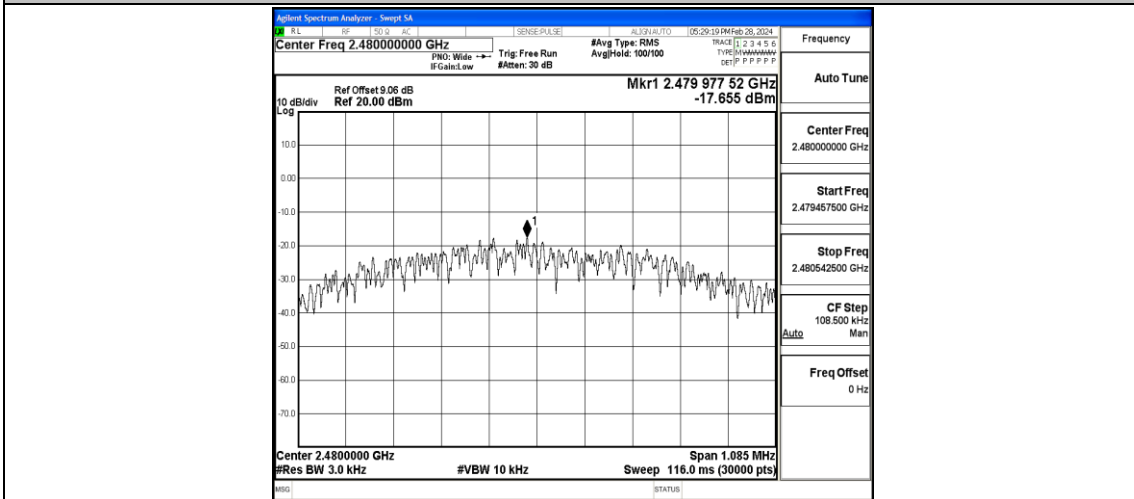
### Test Graphs



BLE\_1M-Ant1-240-PASS



BLE\_1M-Ant1-2440-PASS



BLE\_1M-Ant1-2480-PASS

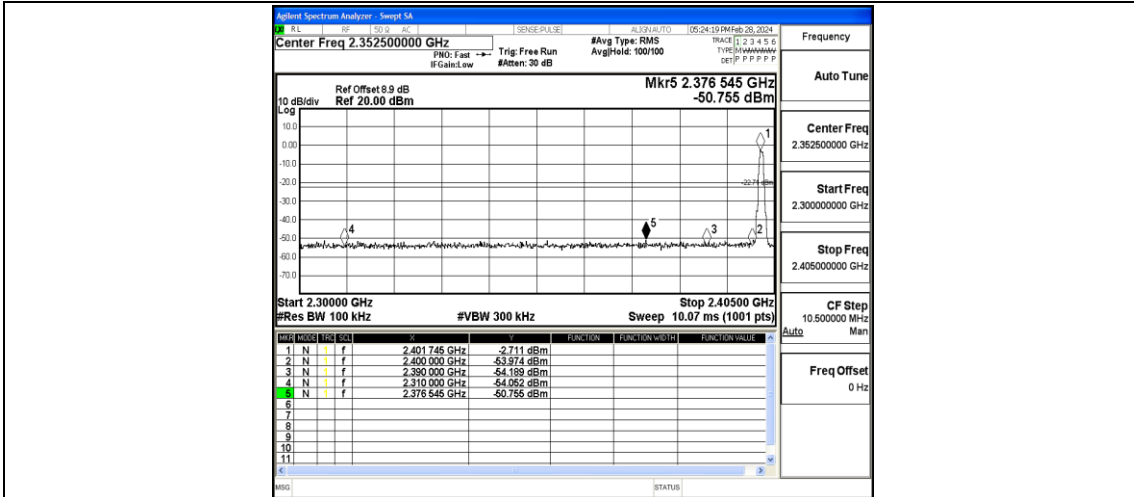


## Appendix E: Band edge measurements

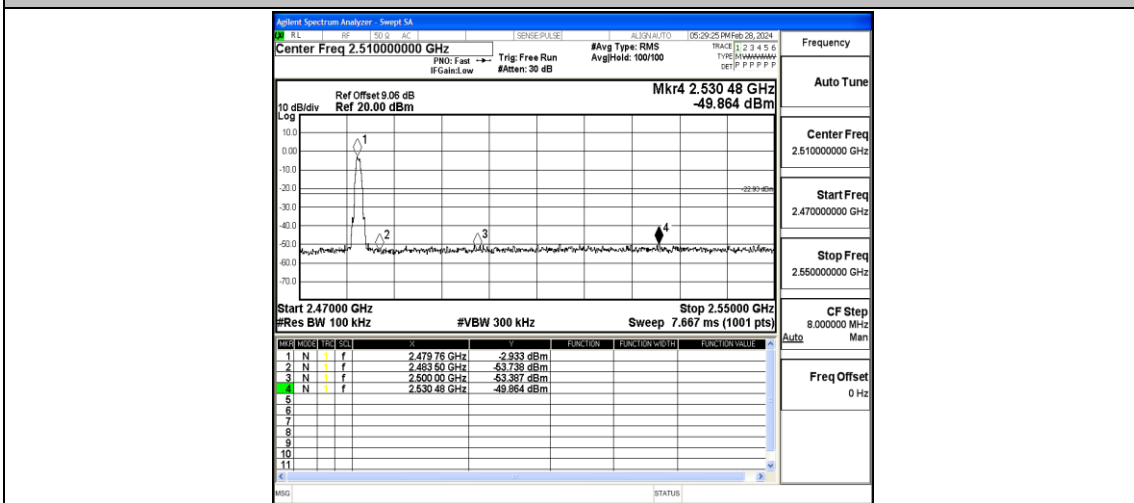
### Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.71	-50.76	≤-22.71	PASS
BLE_1M	Ant1	High	2480	-2.93	-49.86	≤-22.93	PASS

### Test Graphs



BLE\_1M-Ant1-240-PASS



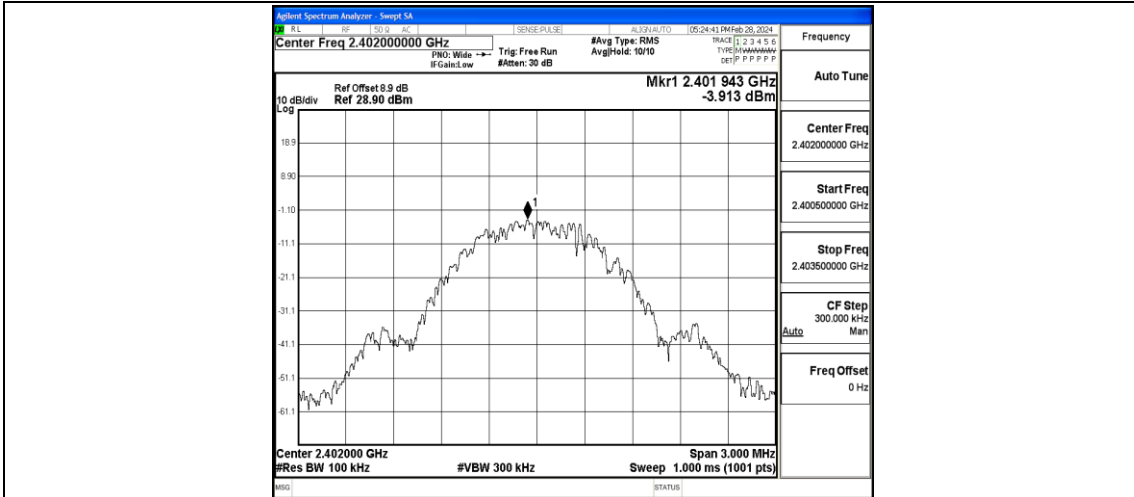
BLE\_1M-Ant1-2480-PASS

## Appendix F: Conducted Spurious Emission

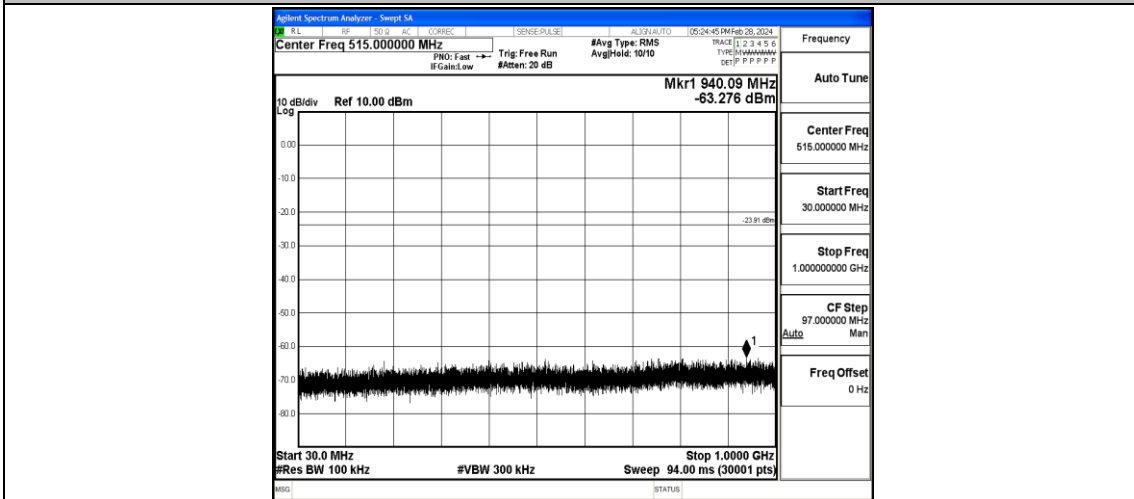
### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-3.91	-3.91	---	PASS
BLE_1M	Ant1	2402	30~1000	-3.91	-63.28	≤-23.91	PASS
BLE_1M	Ant1	2402	1000~26500	-3.91	-50.61	≤-23.91	PASS
BLE_1M	Ant1	2440	Reference	-2.95	-2.95	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.95	-62.97	≤-22.95	PASS
BLE_1M	Ant1	2440	1000~26500	-2.95	-51.02	≤-22.95	PASS
BLE_1M	Ant1	2480	Reference	-3.31	-3.31	---	PASS
BLE_1M	Ant1	2480	30~1000	-3.31	-62.95	≤-23.31	PASS
BLE_1M	Ant1	2480	1000~26500	-3.31	-50.75	≤-23.31	PASS

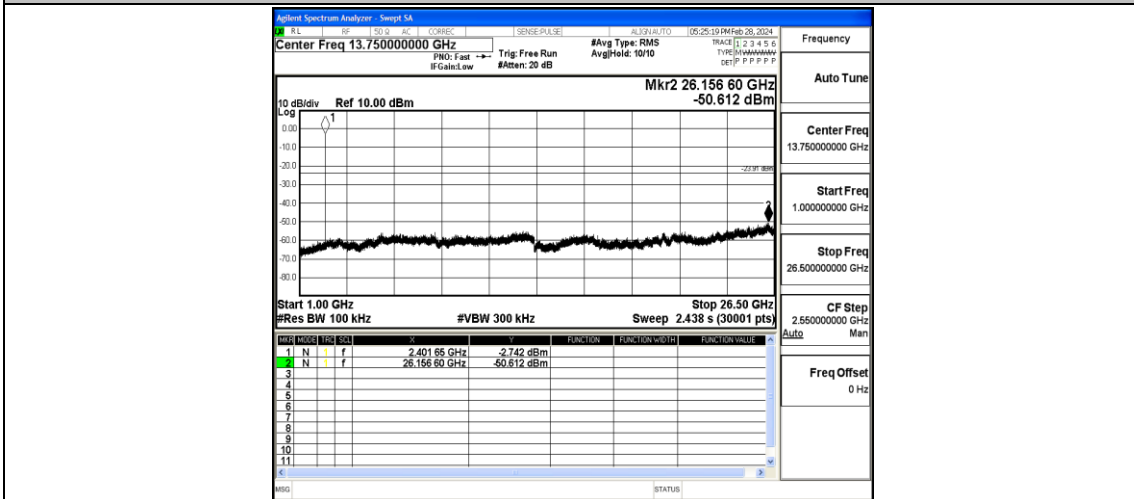
### Test Graphs



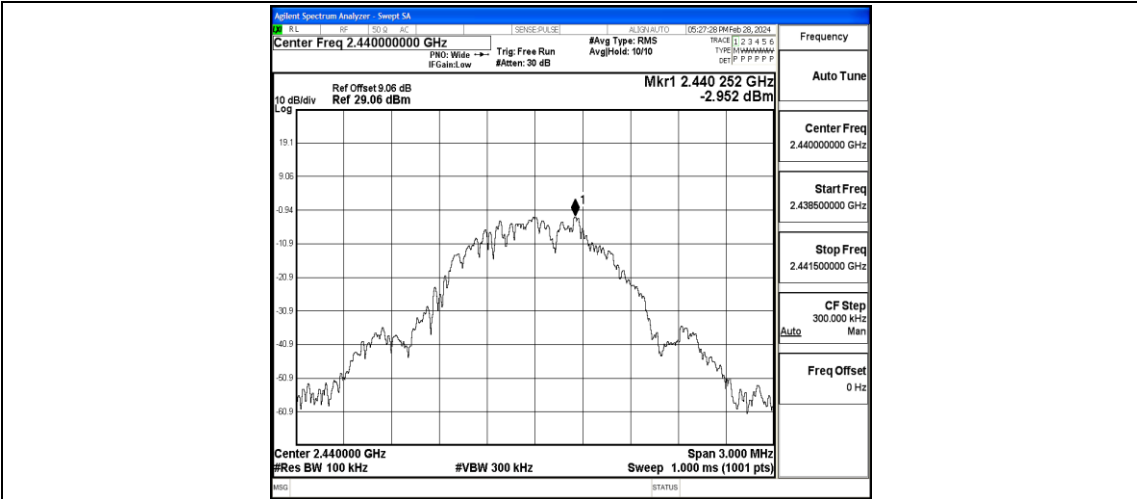
BLE\_1M-Ant1-2402-Reference-PASS



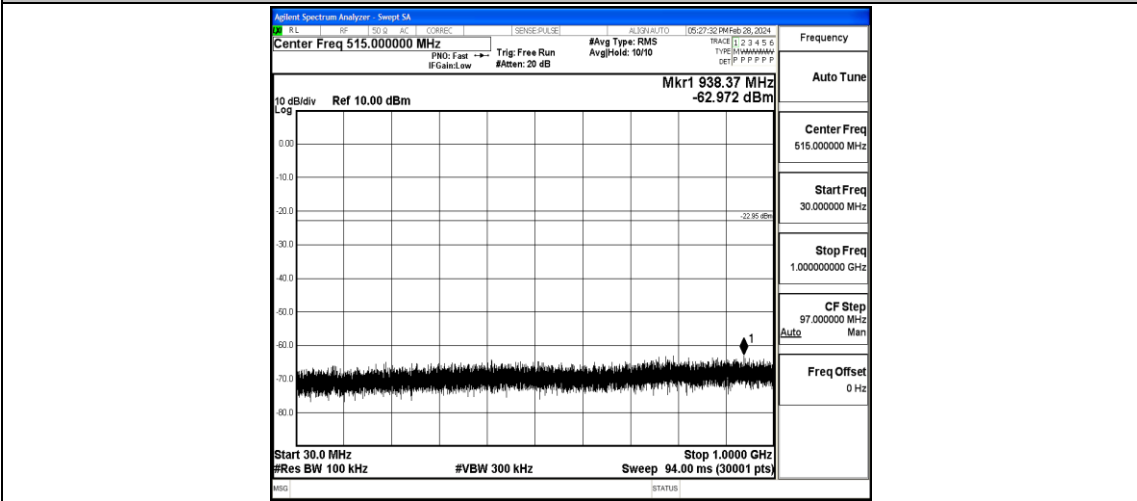
BLE\_1M-Ant1-2402-30~1000-PASS



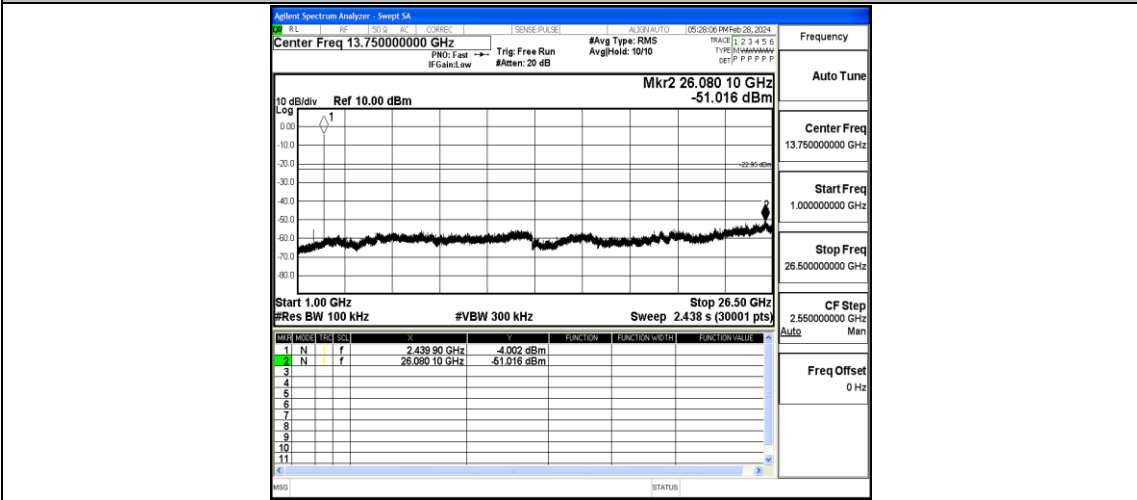
BLE\_1M-Ant1-2402-1000~26500-PASS



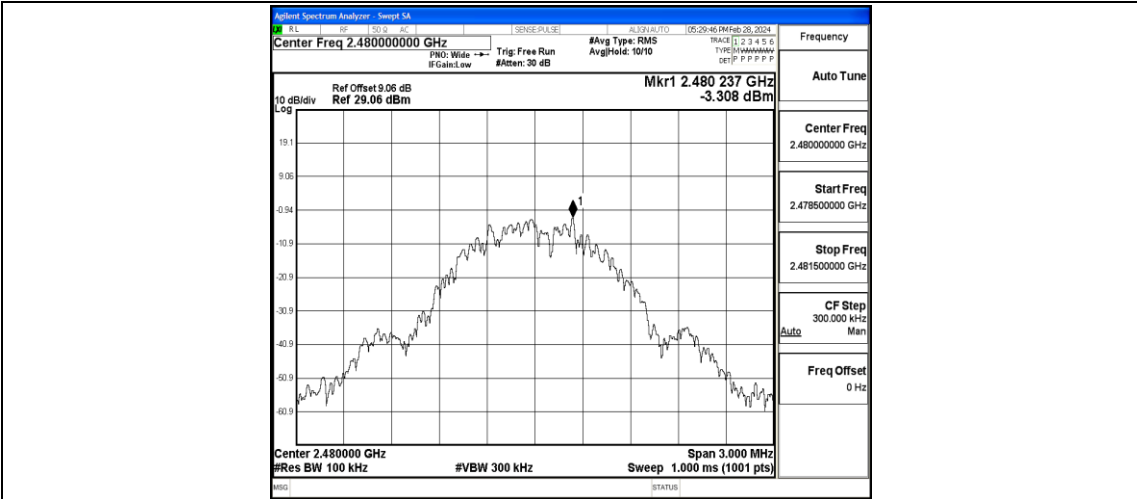
BLE\_1M-Ant1-2440-Reference-PASS



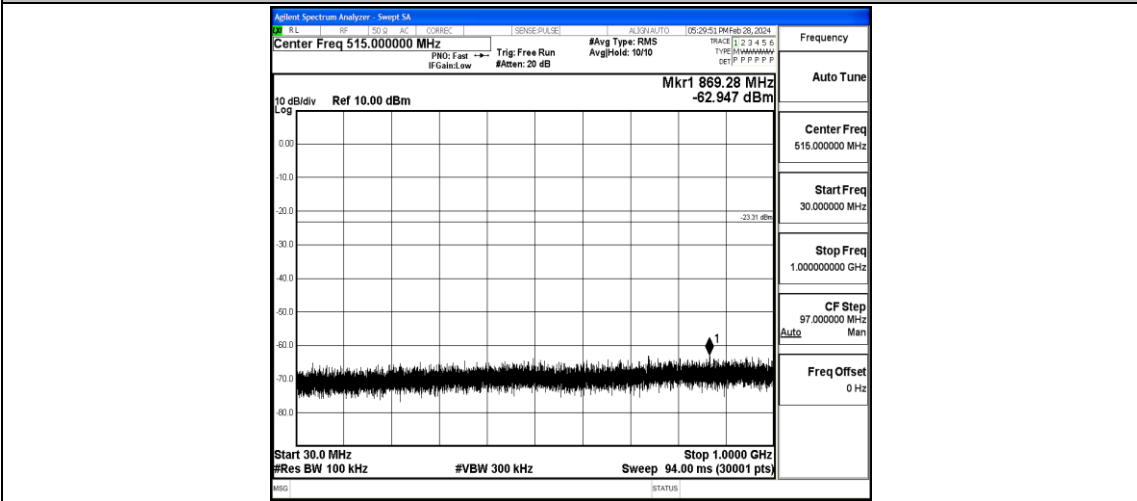
BLE\_1M-Ant1-2440-30~1000-PASS



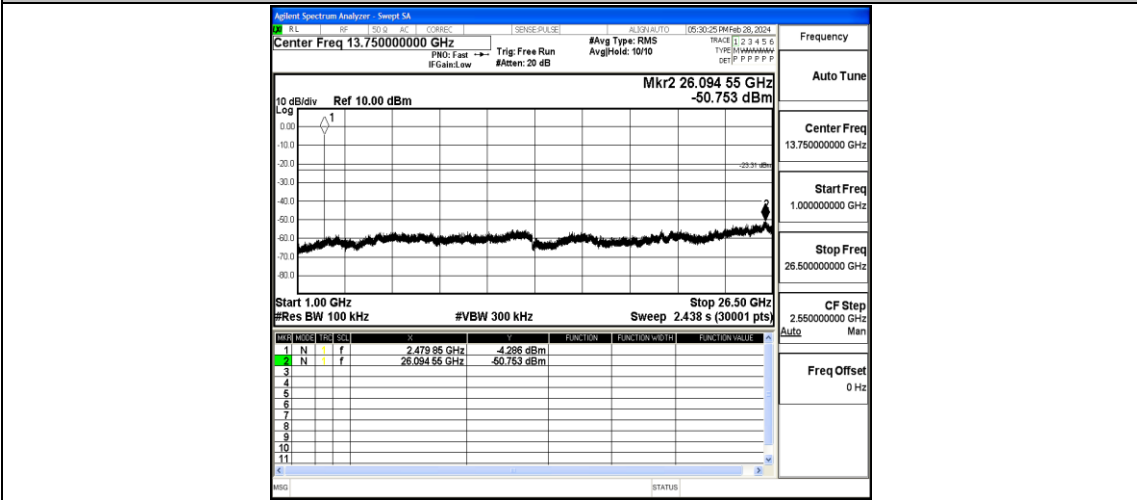
BLE\_1M-Ant1-2440-1000~26500-PASS



BLE\_1M-Ant1-2480-Reference-PASS



BLE\_1M-Ant1-2480-30~1000-PASS



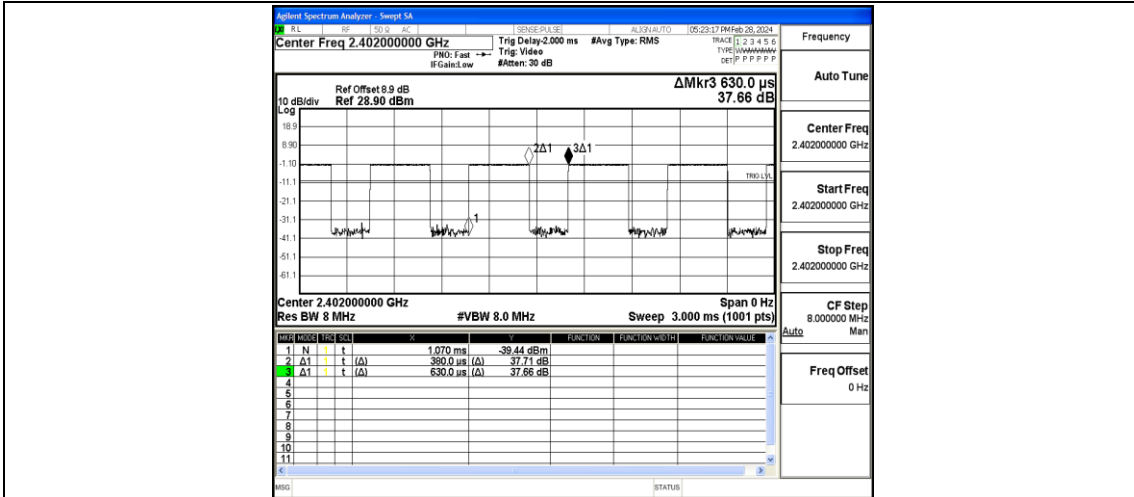
BLE\_1M-Ant1-2480-1000~26500-PASS

## Appendix G: Duty Cycle

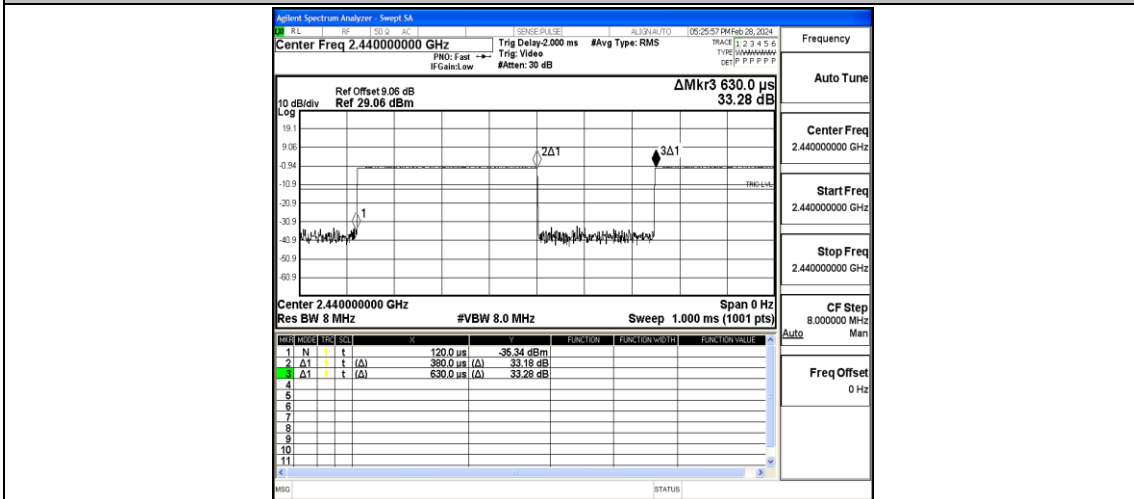
### Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.63	60.32	2.20
BLE_1M	Ant1	2440	0.38	0.63	60.32	2.20
BLE_1M	Ant1	2480	0.38	0.63	60.32	2.20

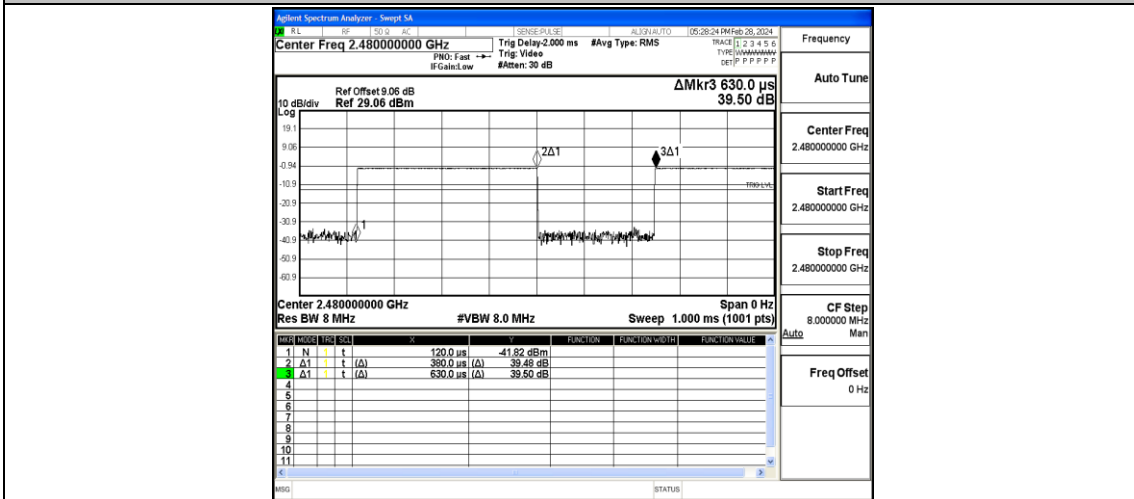
### Test Graphs



NTNV-BLE\_1M-Ant1-2402



NTNV-BLE\_1M-Ant1-2440



NTNV-BLE\_1M-Ant1-2480



## Appendix H: Emissions in Restricted Bands

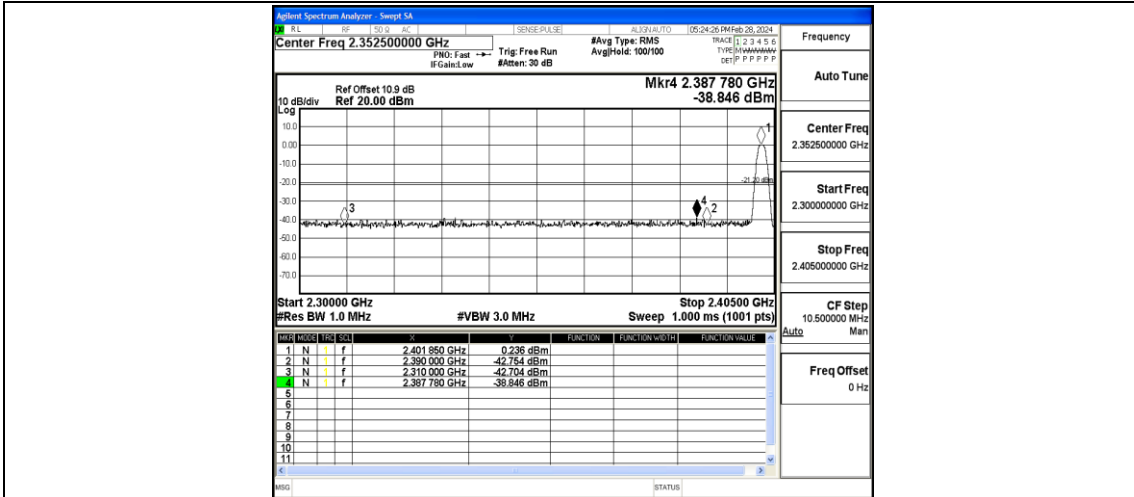
### Test Result

TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
BLE_1M	Ant1	Low	2402	Peak	2390.000	-42.75	≤-21.20	52.45	≤74	PASS
BLE_1M	Ant1	Low	2402	Peak	2310.000	-42.7	≤-21.20	52.50	≤74	PASS
BLE_1M	Ant1	Low	2402	Peak	2387.780	-38.85	≤-21.20	56.35	≤74	PASS
BLE_1M	Ant1	Low	2402	AV	2390.000	-48.62	≤-41.20	46.58	≤54	PASS
BLE_1M	Ant1	Low	2402	AV	2310.000	-48.98	≤-41.20	46.22	≤54	PASS
BLE_1M	Ant1	Low	2402	AV	2379.695	-48.02	≤-41.20	47.18	≤54	PASS
BLE_1M	Ant1	High	2480	Peak	2483.500	-40.92	≤-21.20	54.28	≤74	PASS
BLE_1M	Ant1	High	2480	Peak	2500.000	-41.85	≤-21.20	53.35	≤74	PASS
BLE_1M	Ant1	High	2480	Peak	2495.200	-39.07	≤-21.20	56.13	≤74	PASS
BLE_1M	Ant1	High	2480	AV	2483.500	-47.89	≤-41.20	47.31	≤54	PASS
BLE_1M	Ant1	High	2480	AV	2500.000	-47.6	≤-41.20	47.60	≤54	PASS
BLE_1M	Ant1	High	2480	AV	2494.560	-47.51	≤-41.20	47.69	≤54	PASS

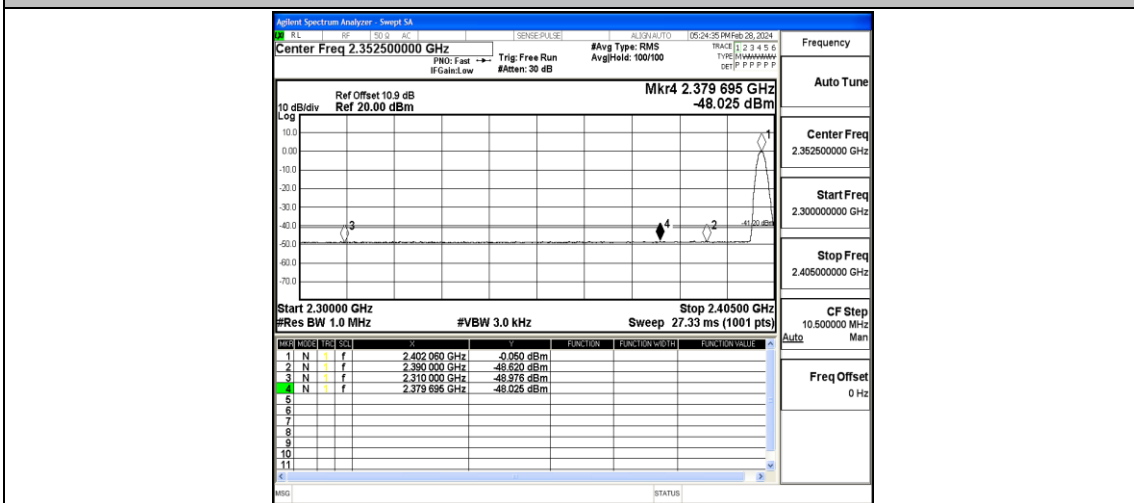
Note:

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.

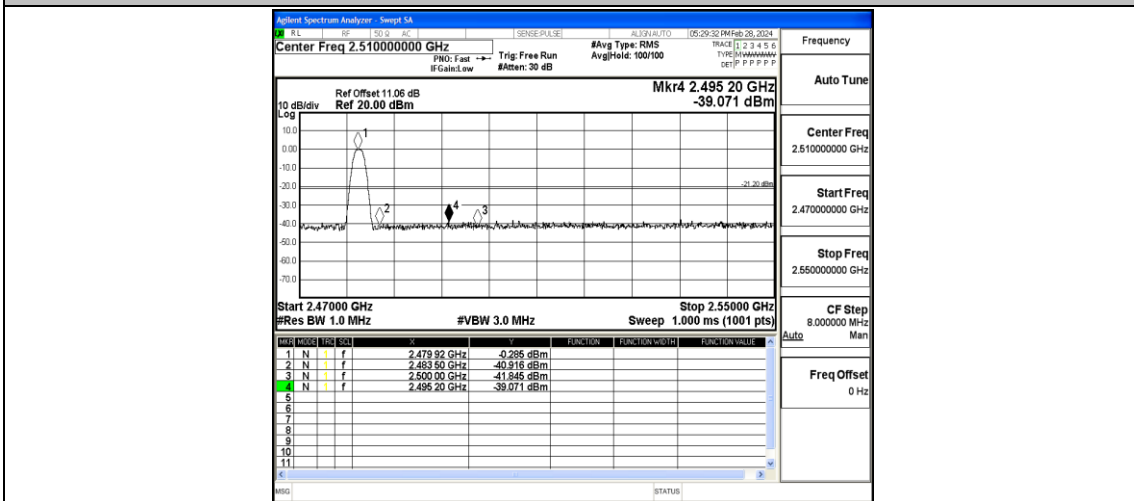
### Test Graphs



BLE\_1M-Ant1-240-PASS



BLE\_1M-Ant1-240-PASS



BLE\_1M-Ant1-2480-PASS

