

## Appendix Test Data for BLE (Conducted Measurement)

Product Name: Remote control

Trade Mark: N/A

Test Model: M02

FCC ID: 2ASXW-M02

### Environmental Conditions

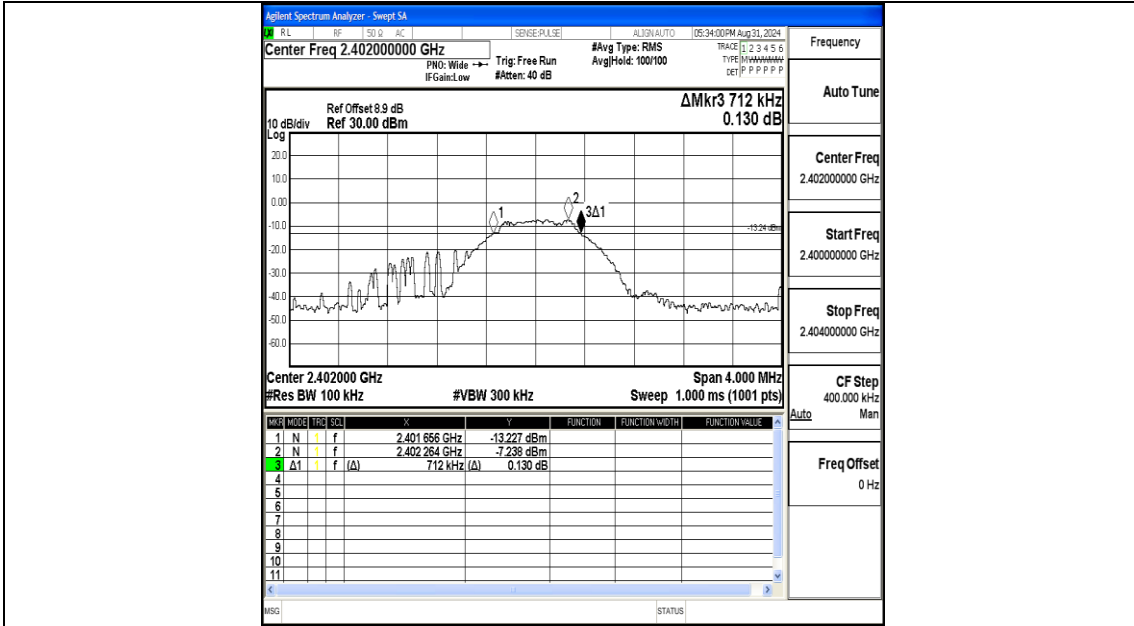
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

## Appendix A: DTS Bandwidth

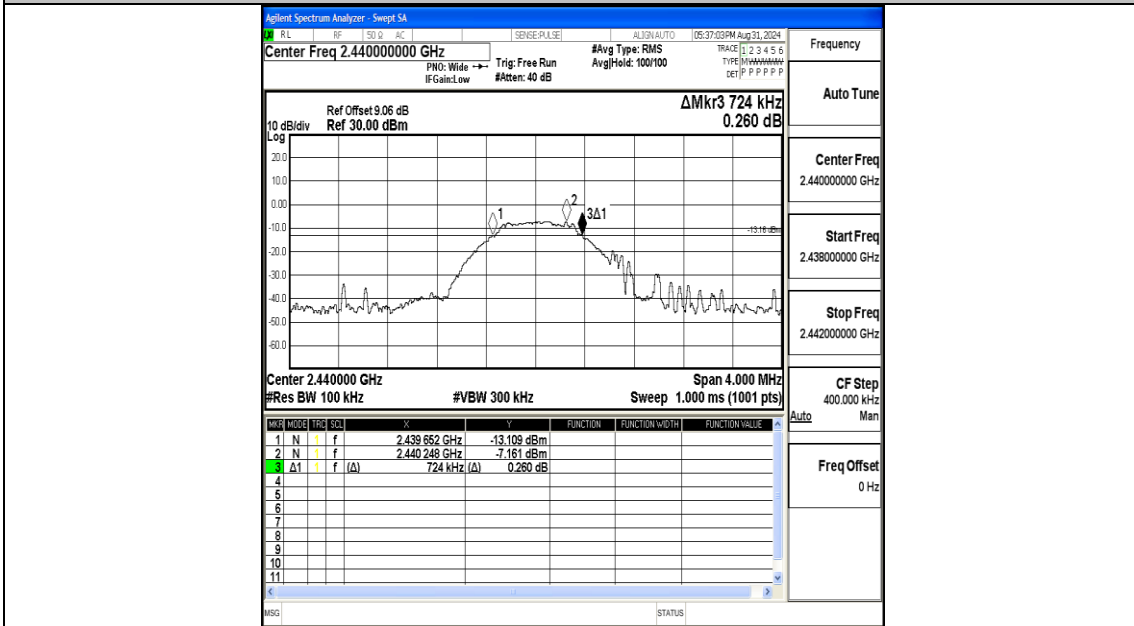
### Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.712	2401.656	2402.368	0.5	PASS
BLE_1M	Ant1	2440	0.724	2439.652	2440.376	0.5	PASS
BLE_1M	Ant1	2480	0.712	2479.652	2480.364	0.5	PASS

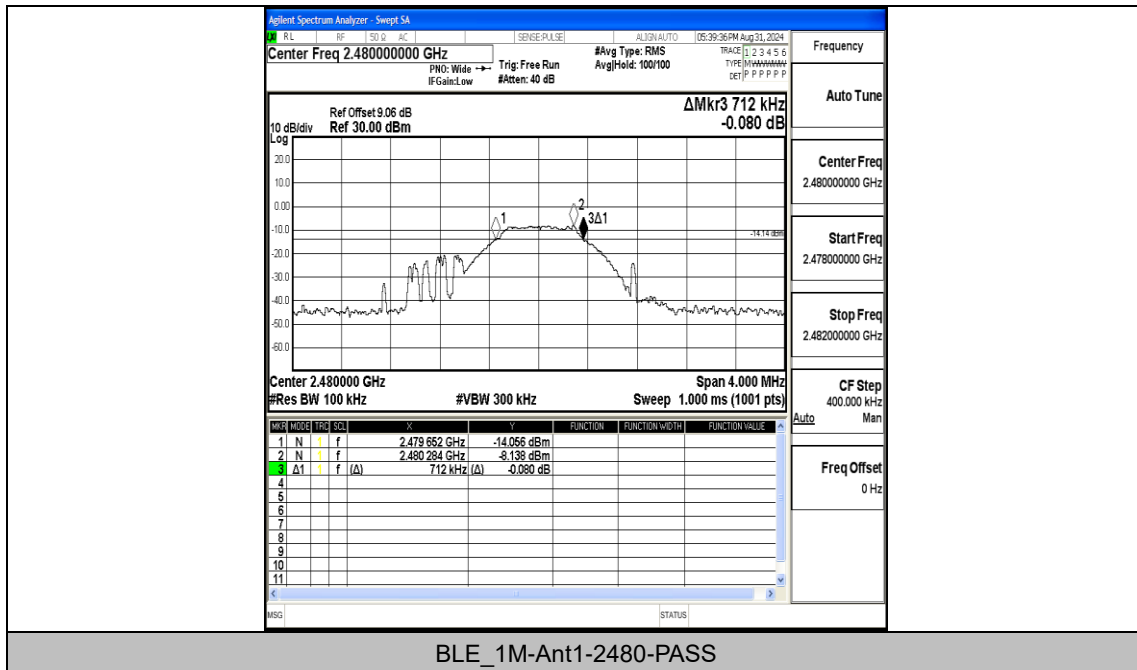
### Test Graphs



BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2440-PASS

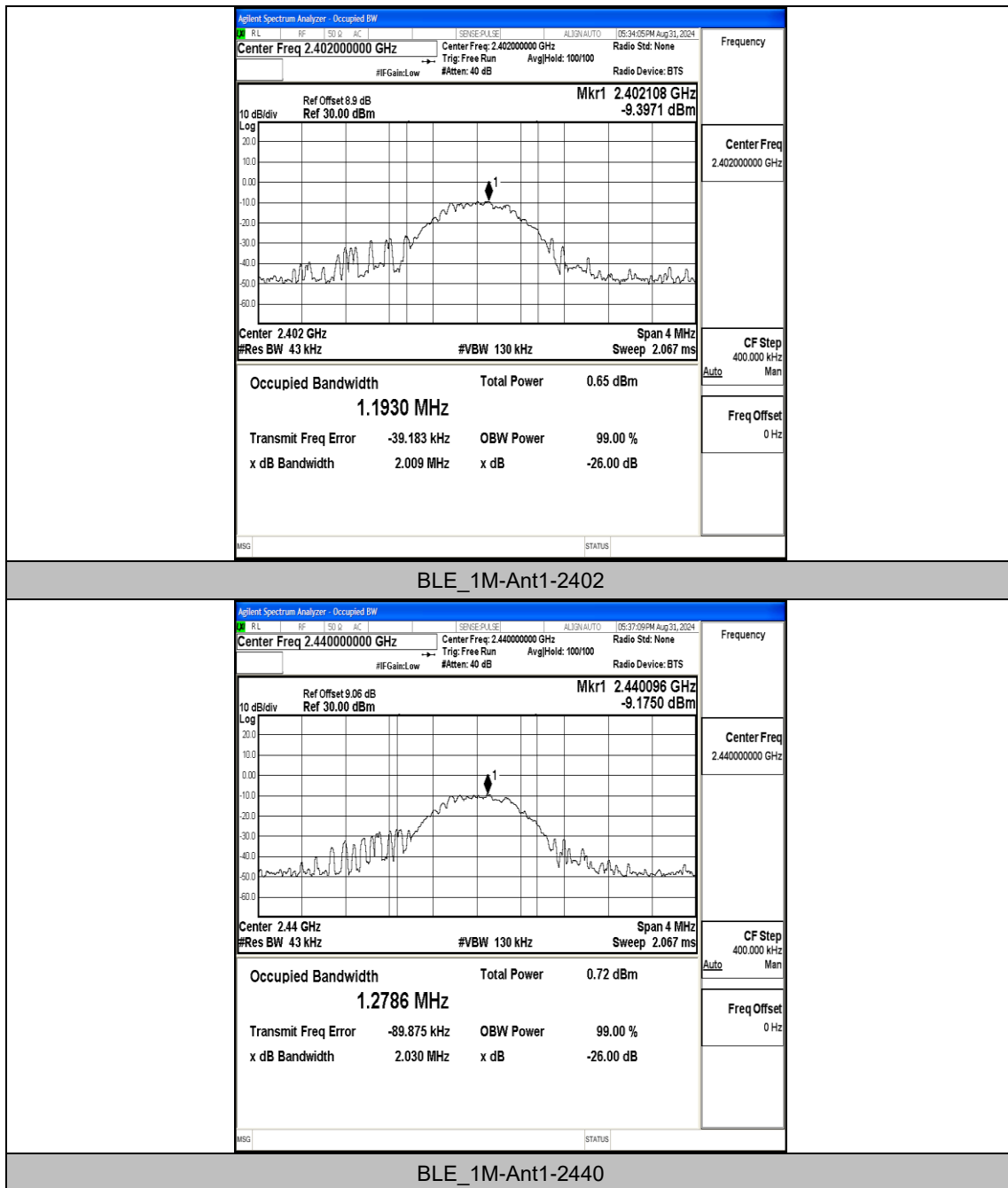


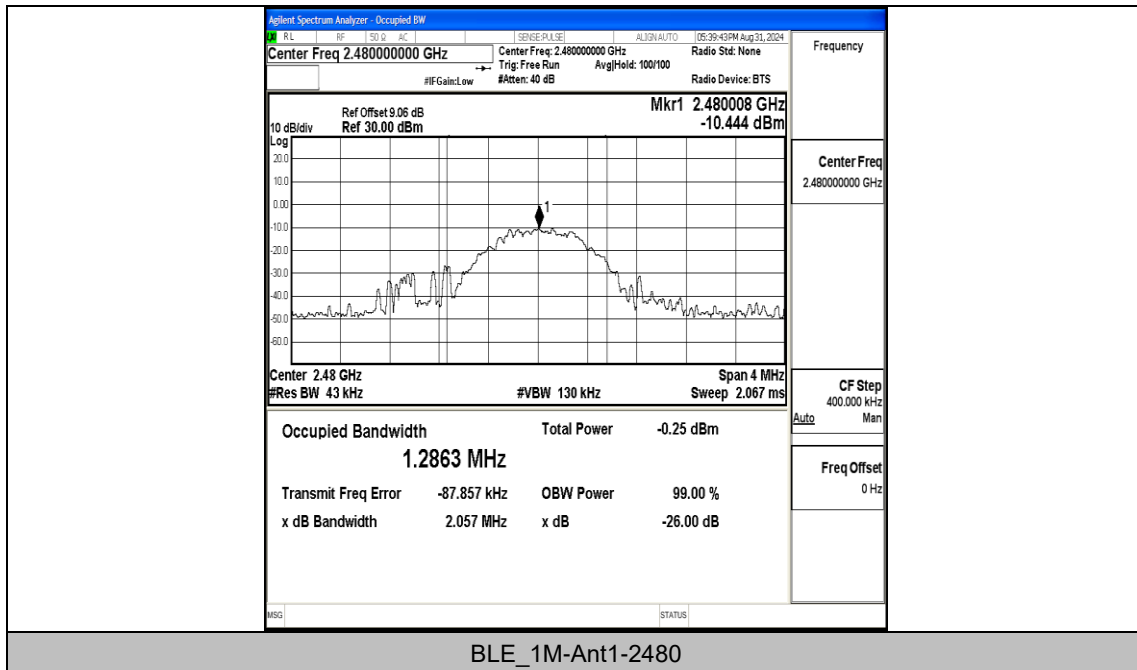
## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.1930	2401.3643	2402.5573	---	---
BLE_1M	Ant1	2440	1.2786	2439.2708	2440.5494	---	---
BLE_1M	Ant1	2480	1.2863	2479.2690	2480.5553	---	---

### Test Graphs



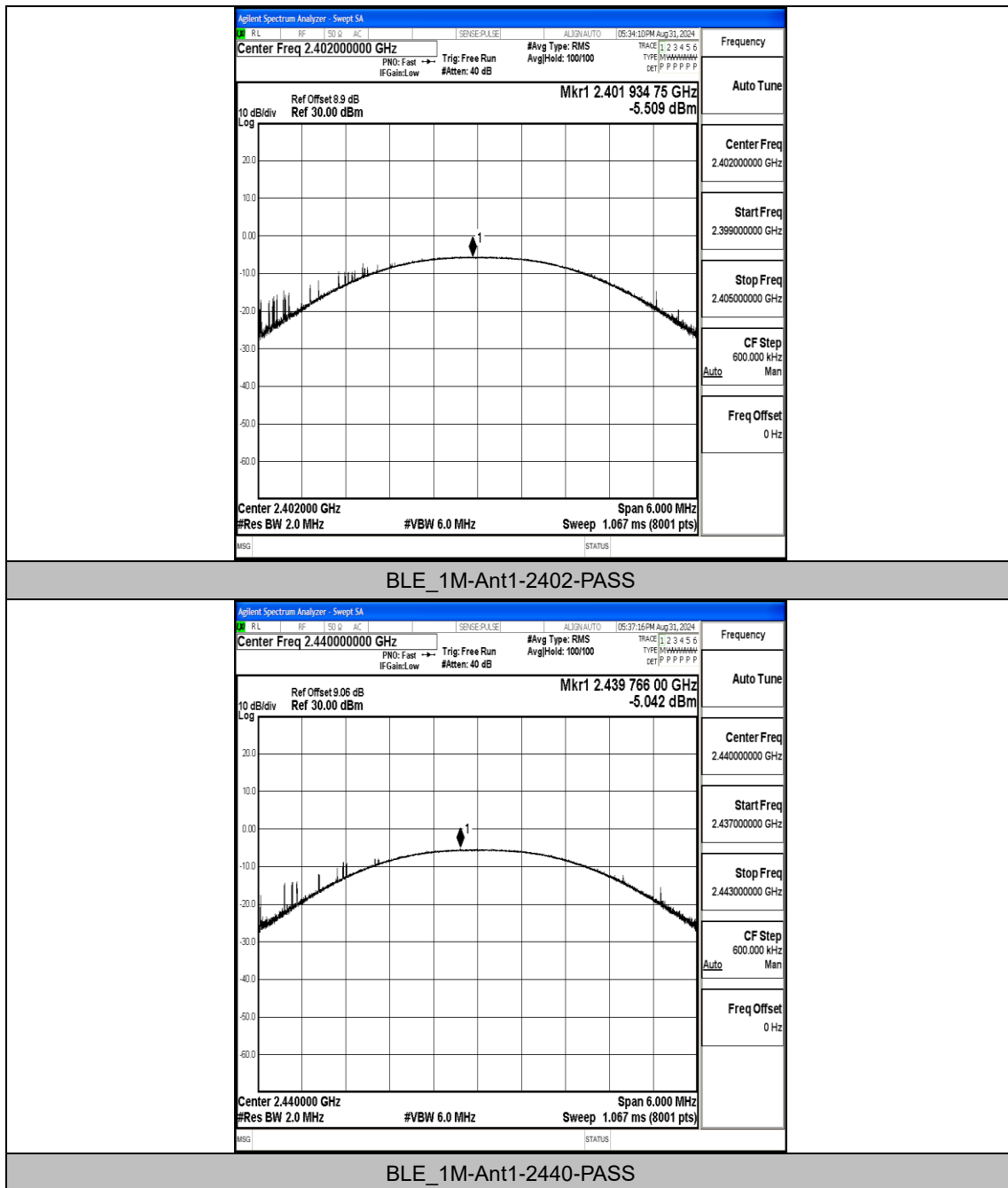


## Appendix C: Maximum peak conducted output power

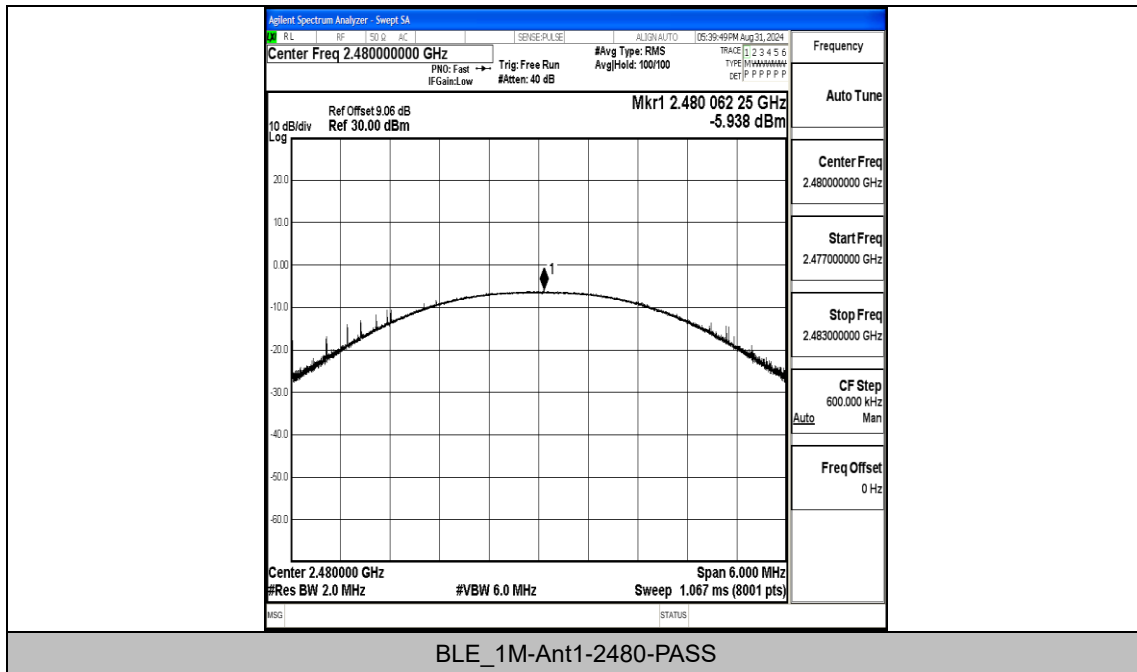
### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-5.51	≤30	PASS
BLE_1M	Ant1	2440	-5.04	≤30	PASS
BLE_1M	Ant1	2480	-5.94	≤30	PASS

### Test Graphs Peak





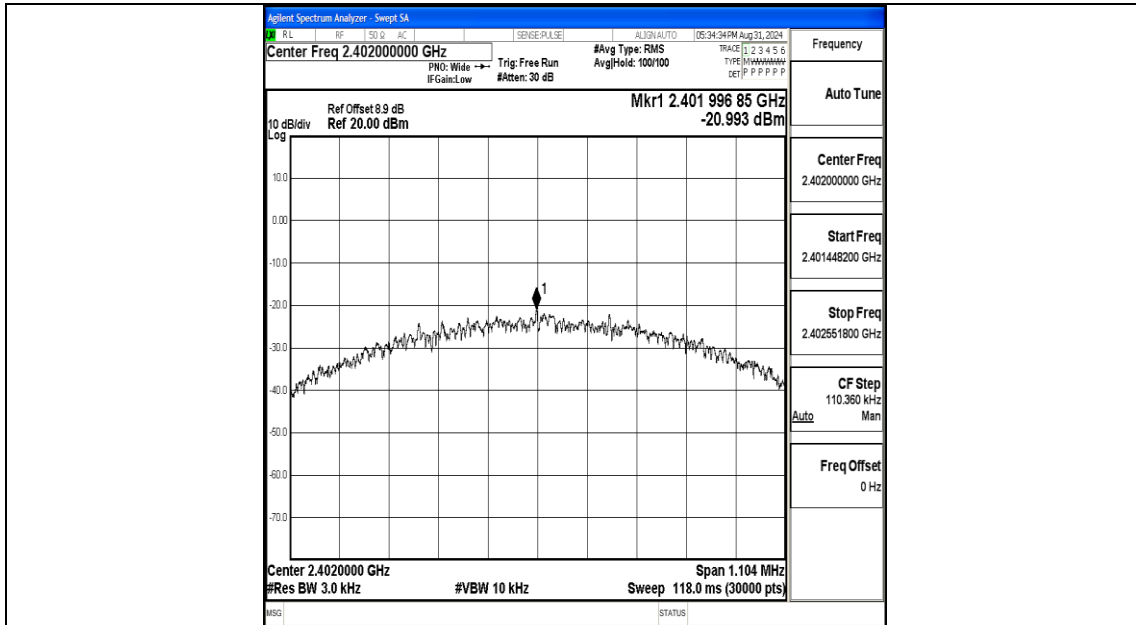


## Appendix D: Maximum peak power spectral density

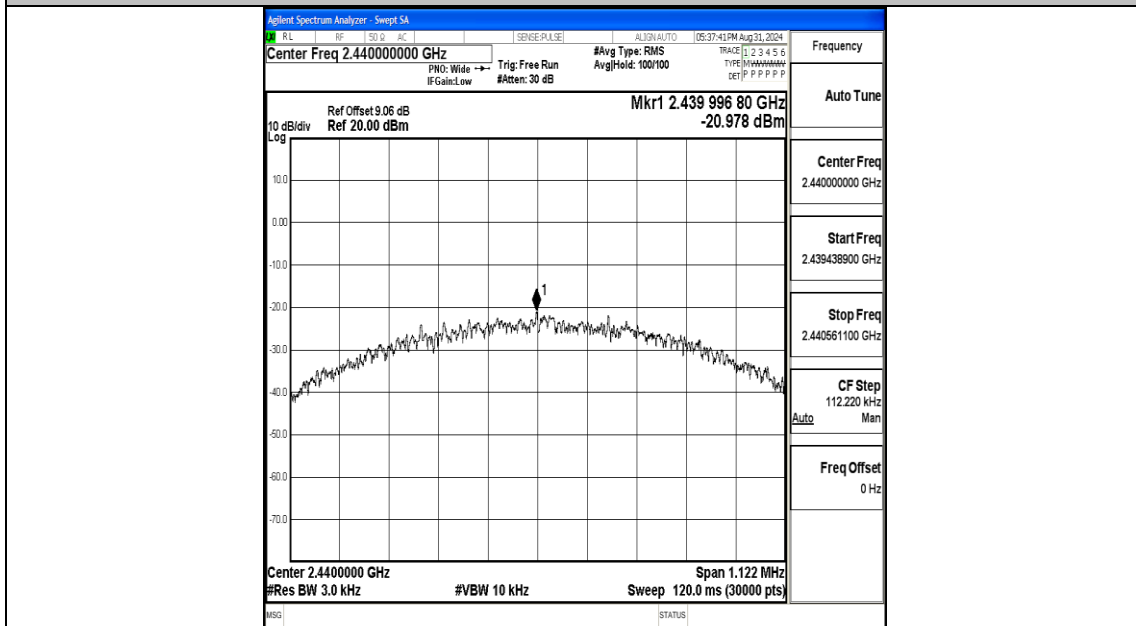
### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-20.99	≤8.00	PASS
BLE_1M	Ant1	2440	-20.98	≤8.00	PASS
BLE_1M	Ant1	2480	-21.75	≤8.00	PASS

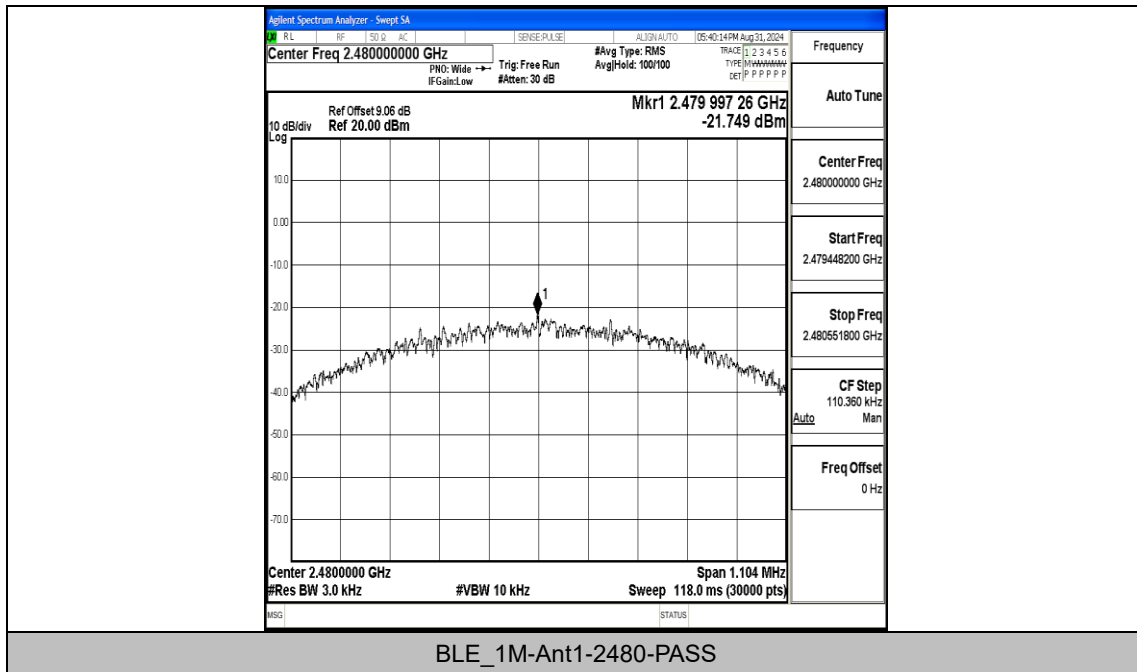
### Test Graphs



BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2440-PASS

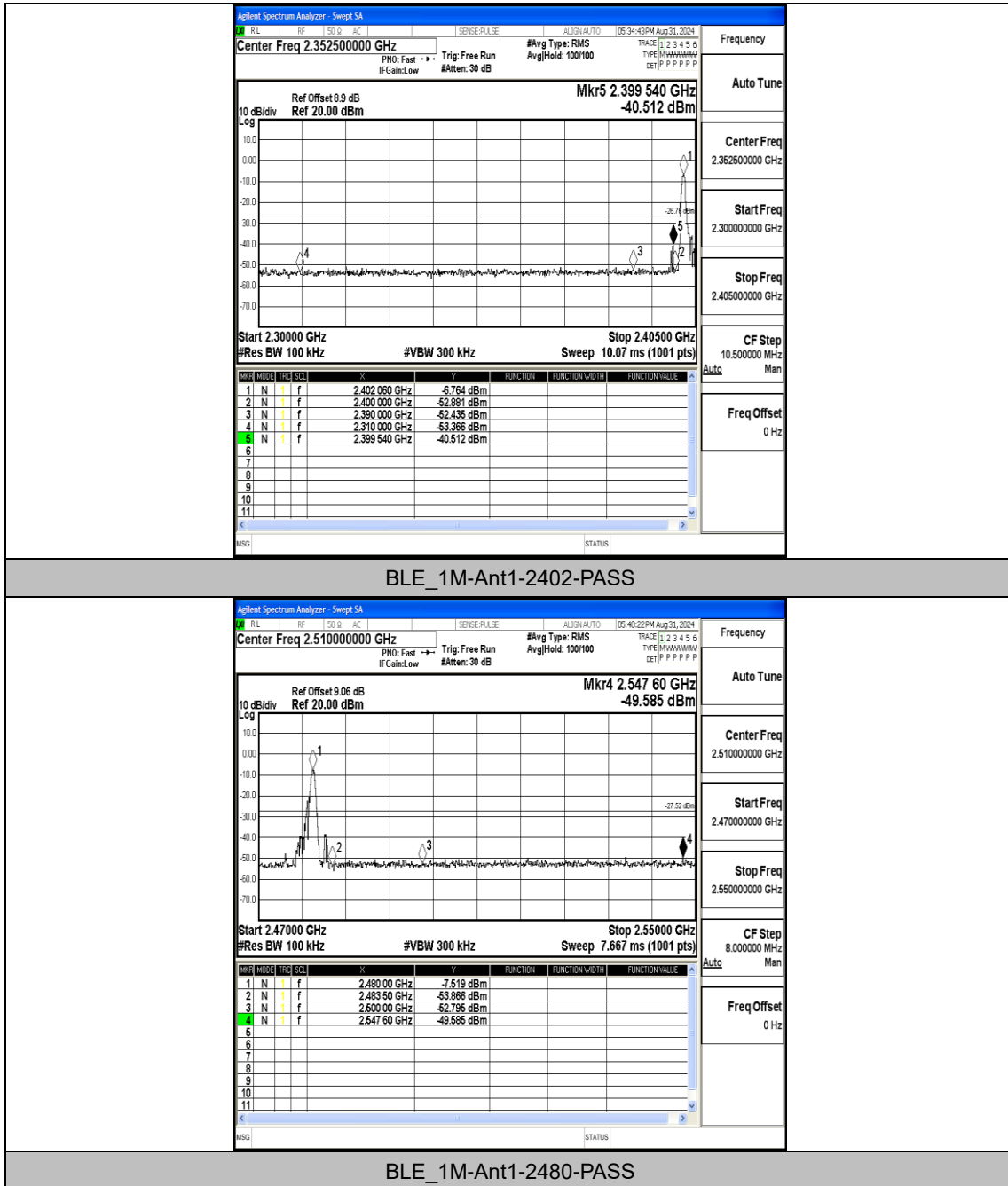


## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-6.76	-40.51	≤-26.76	PASS
BLE_1M	Ant1	High	2480	-7.52	-49.59	≤-27.52	PASS

### Test Graphs

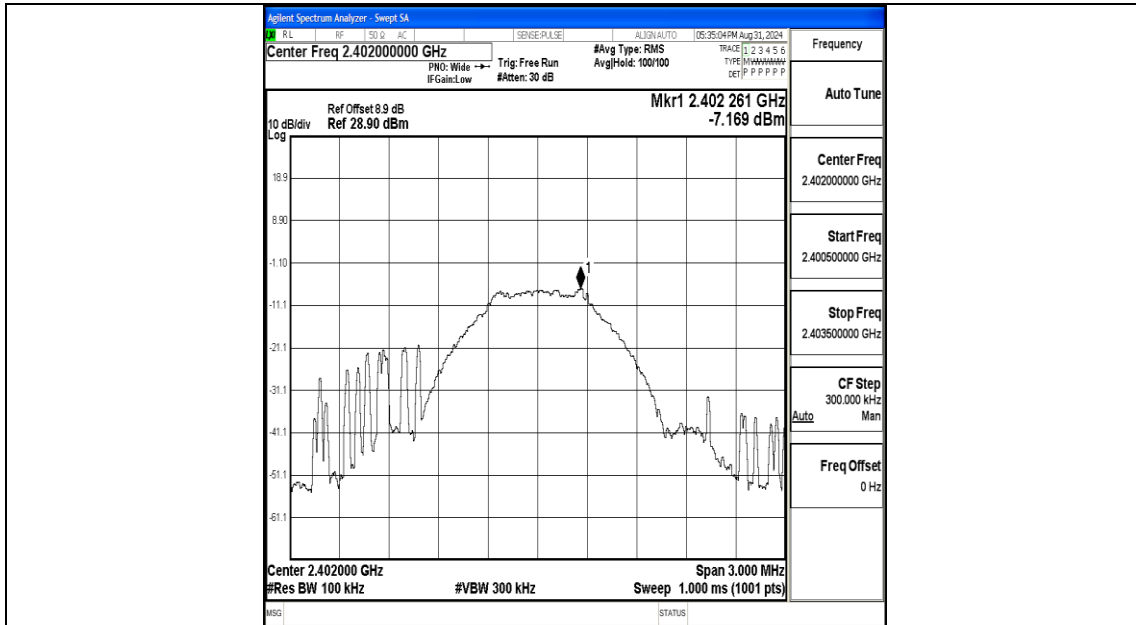


## Appendix F: Conducted Spurious Emission

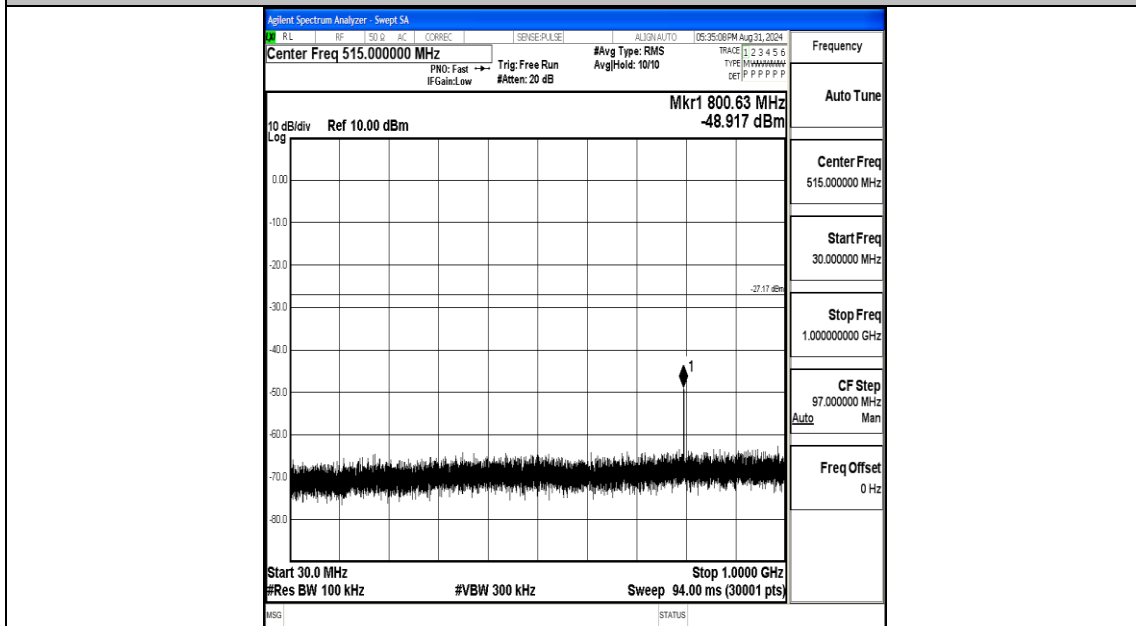
### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-7.17	-7.17	---	PASS
BLE_1M	Ant1	2402	30~1000	-7.17	-48.92	≤-27.17	PASS
BLE_1M	Ant1	2402	1000~26500	-7.17	-49.86	≤-27.17	PASS
BLE_1M	Ant1	2440	0~Reference	-7.01	-7.01	---	PASS
BLE_1M	Ant1	2440	30~1000	-7.01	-49.68	≤-27.01	PASS
BLE_1M	Ant1	2440	1000~26500	-7.01	-48.08	≤-27.01	PASS
BLE_1M	Ant1	2480	0~Reference	-7.89	-7.89	---	PASS
BLE_1M	Ant1	2480	30~1000	-7.89	-49.53	≤-27.89	PASS
BLE_1M	Ant1	2480	1000~26500	-7.89	-43.03	≤-27.89	PASS

### Test Graphs

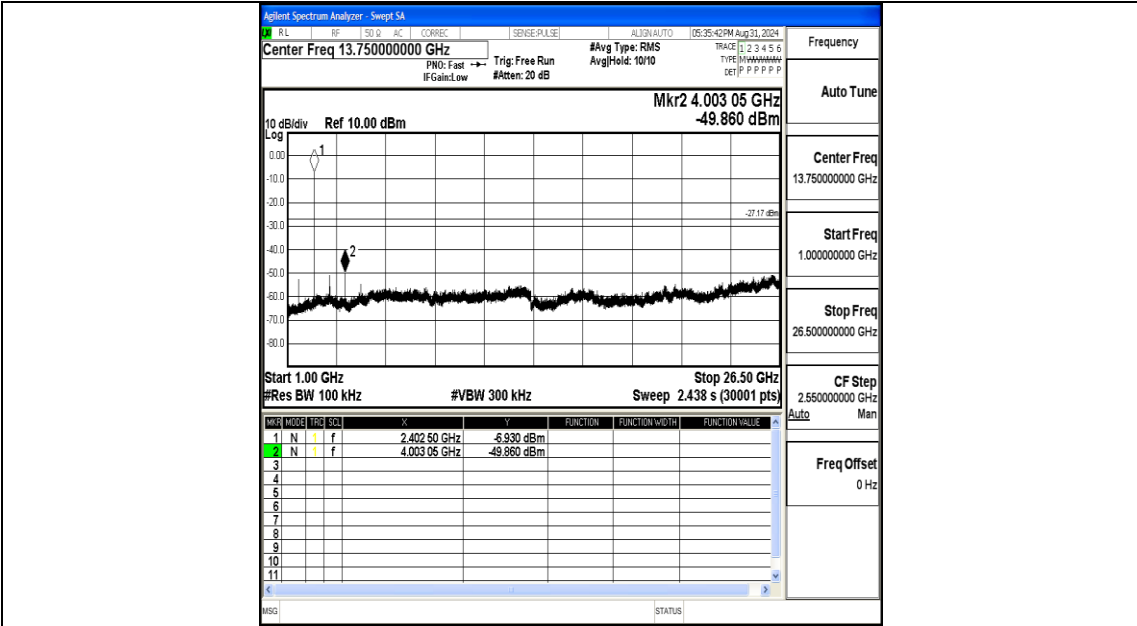


BLE\_1M-Ant1-2402-0~Reference-PASS

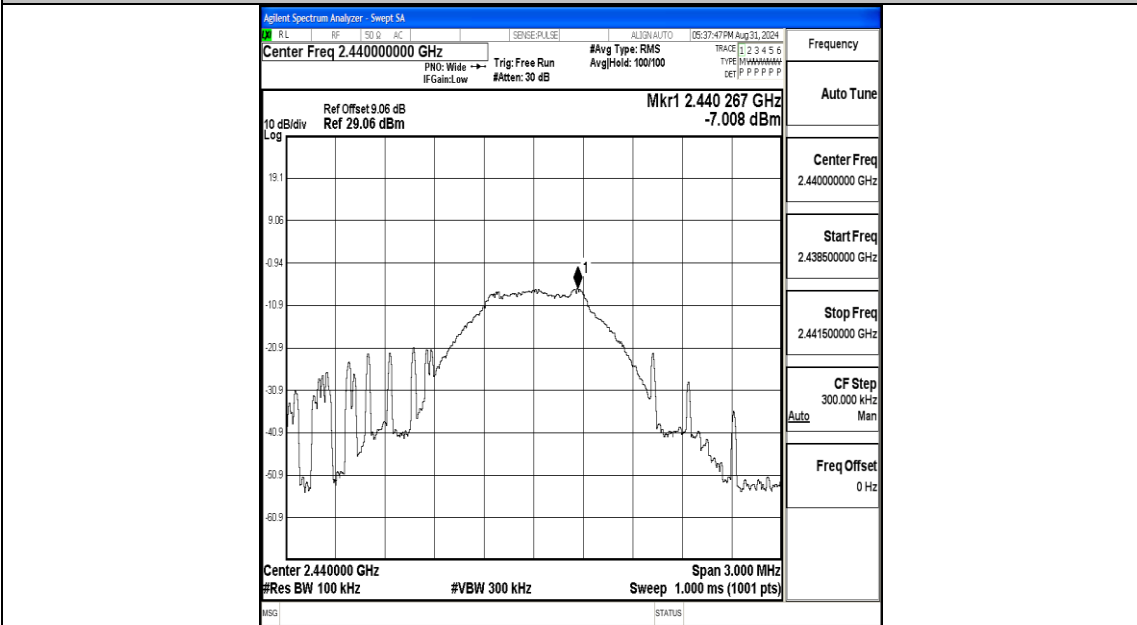


BLE\_1M-Ant1-2402-30~1000-PASS

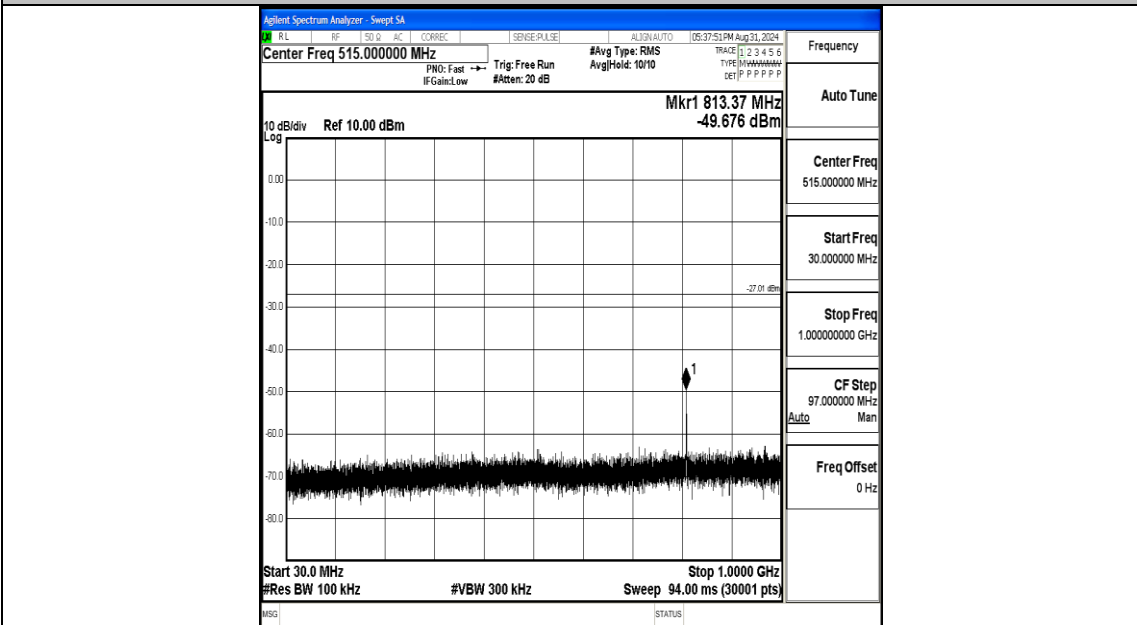




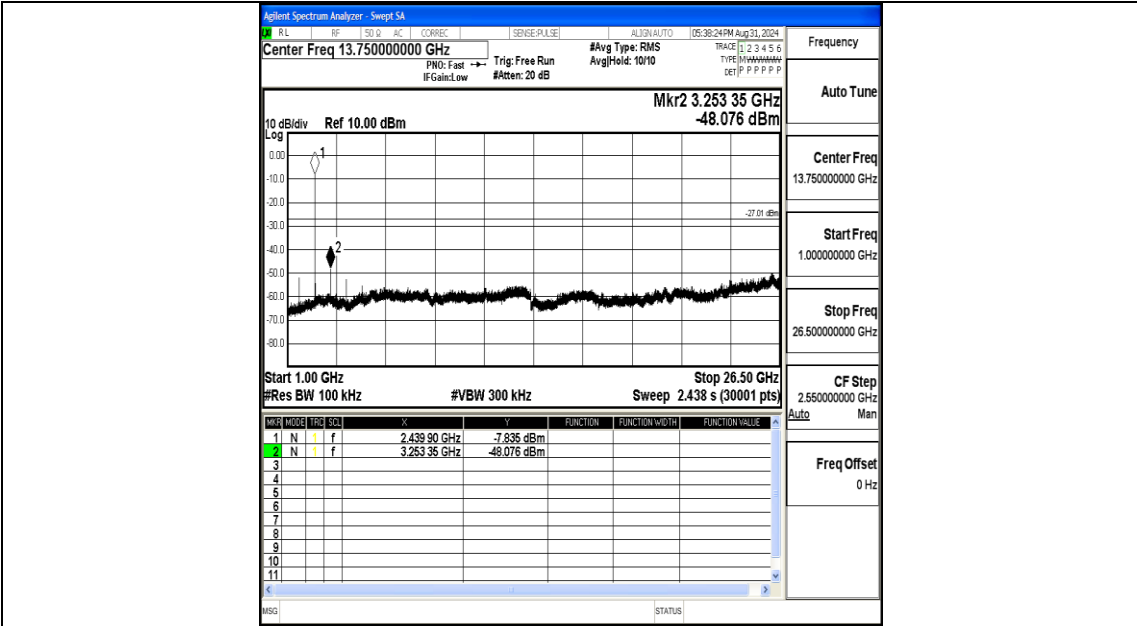
BLE\_1M-Ant1-2402-1000~26500-PASS



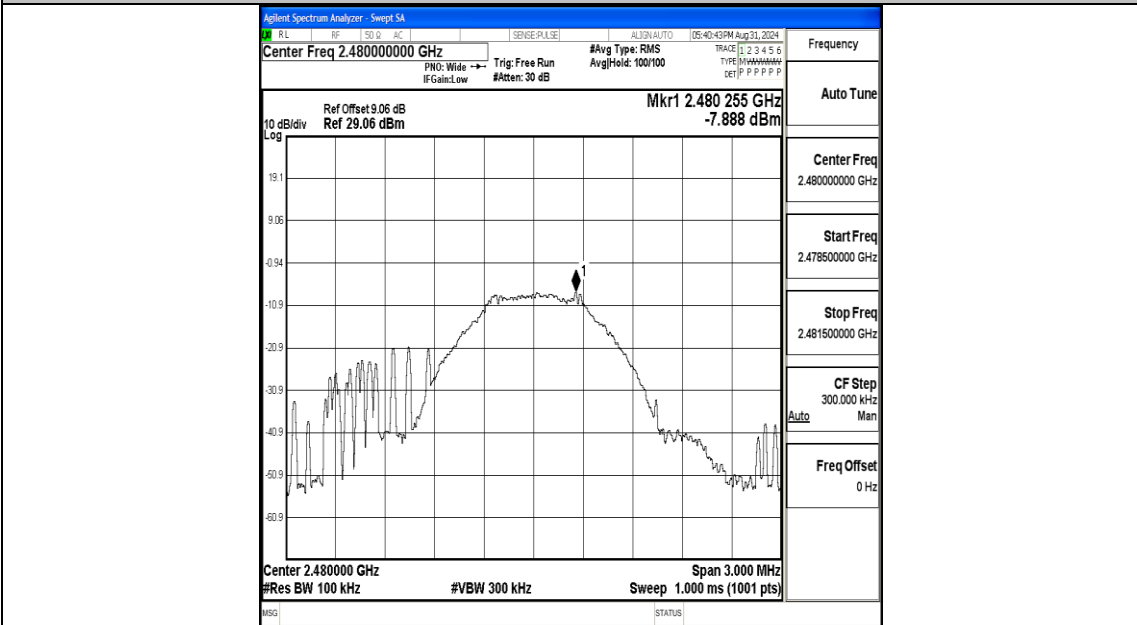
BLE\_1M-Ant1-2440-0~Reference-PASS



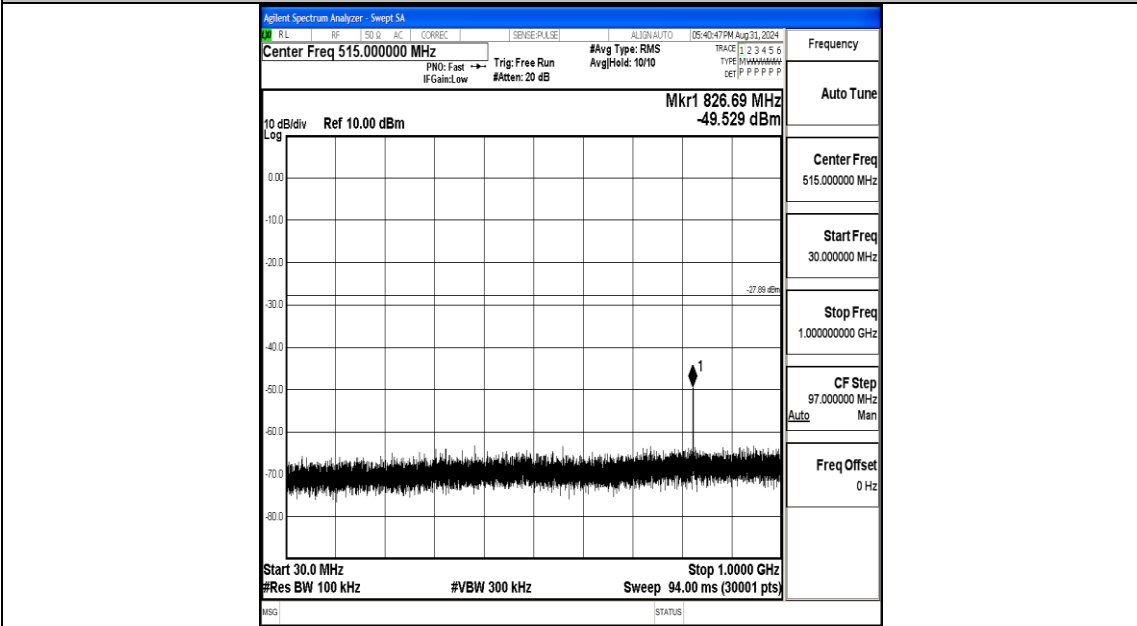
BLE\_1M-Ant1-2440-30~1000-PASS



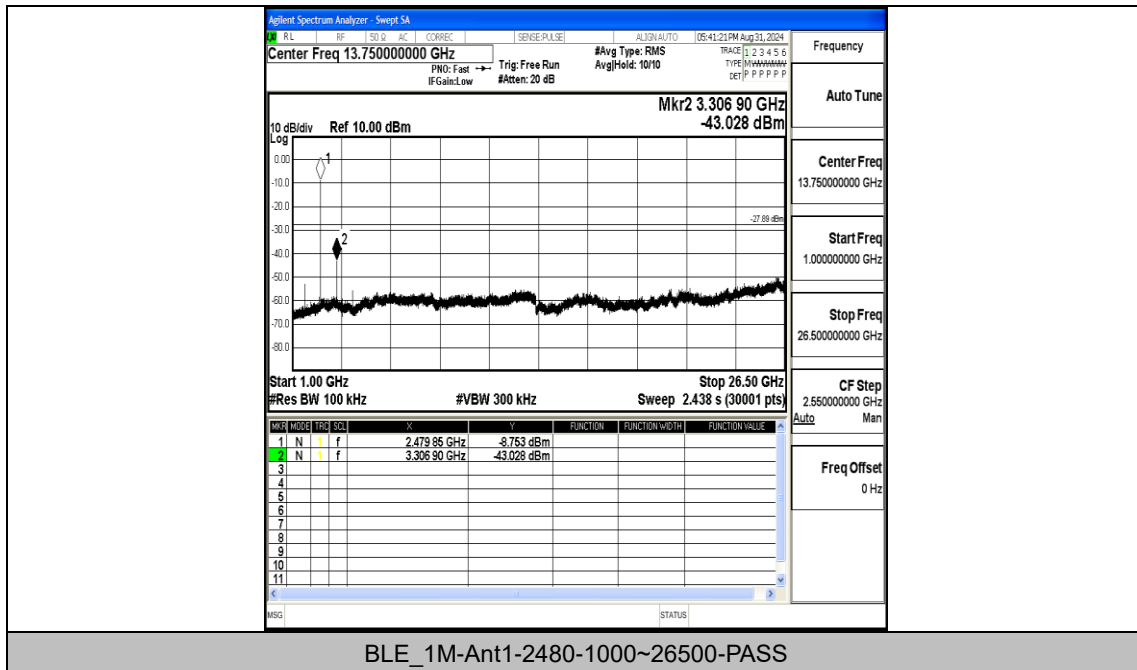
BLE\_1M-Ant1-2440-1000~26500-PASS



BLE\_1M-Ant1-2480-0~Reference-PASS



BLE\_1M-Ant1-2480-30~1000-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	19.00	19.00	100.00	0.00
BLE_1M	Ant1	2440	19.00	19.00	100.00	0.00
BLE_1M	Ant1	2480	19.00	19.00	100.00	0.00

### Test Graphs

