

## Appendix Test Data for BT(BLE) (Conducted Measurement)

Product Name: Smart Watch

Trade Mark: N/A

Test Model: B07

FCC ID: 2A047-B07

### 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
BLE_1M	Ant1	2402	0.644	2401.688	2402.332	0.5	PASS
		2440	0.652	2439.672	2440.324	0.5	PASS
		2480	0.656	2479.684	2480.340	0.5	PASS

Test Graphs

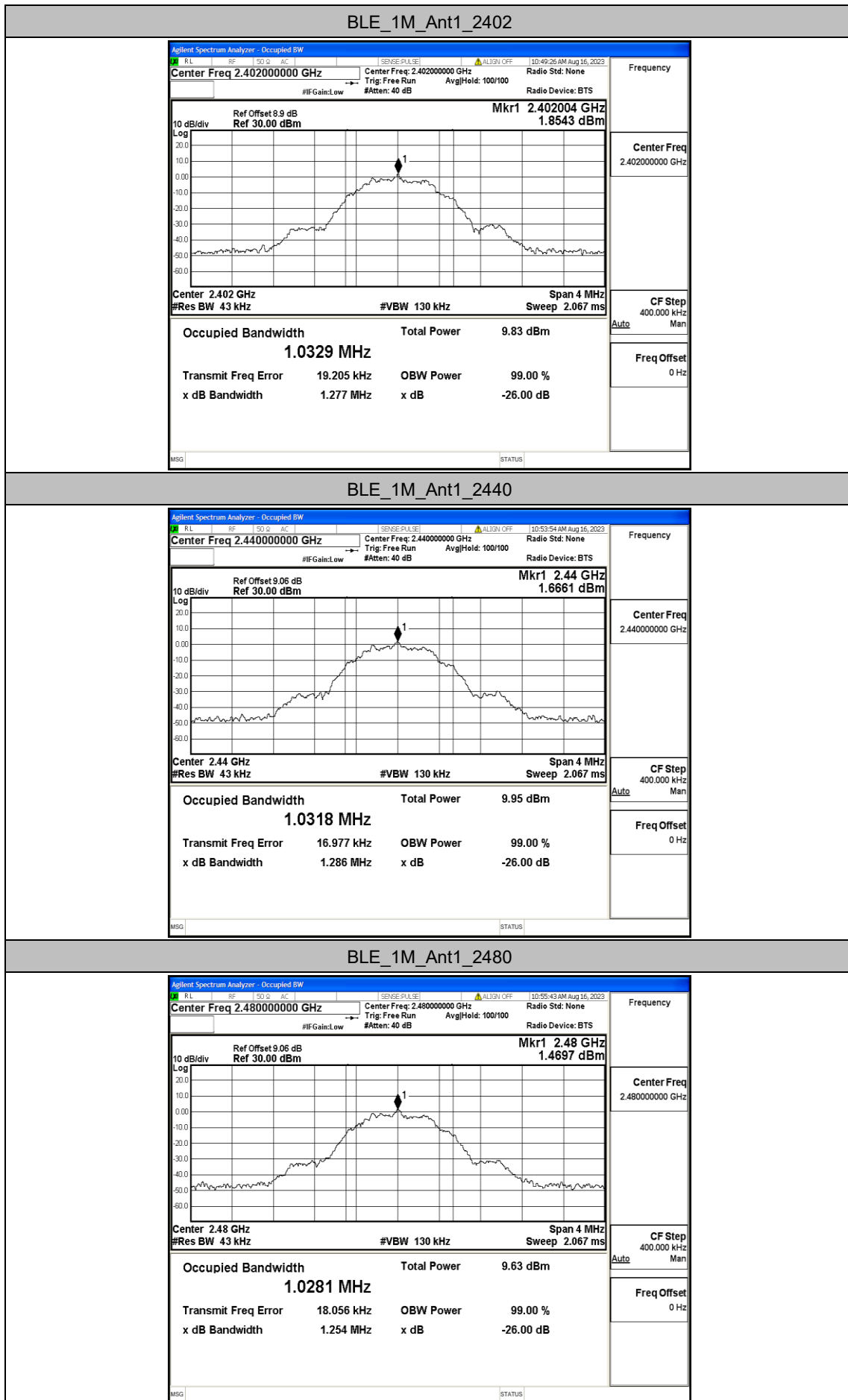


## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0329	2401.5028	2402.5357	---	---
		2440	1.0318	2439.5011	2440.5329	---	---
		2480	1.0281	2479.5040	2480.5321	---	---

Test Graphs

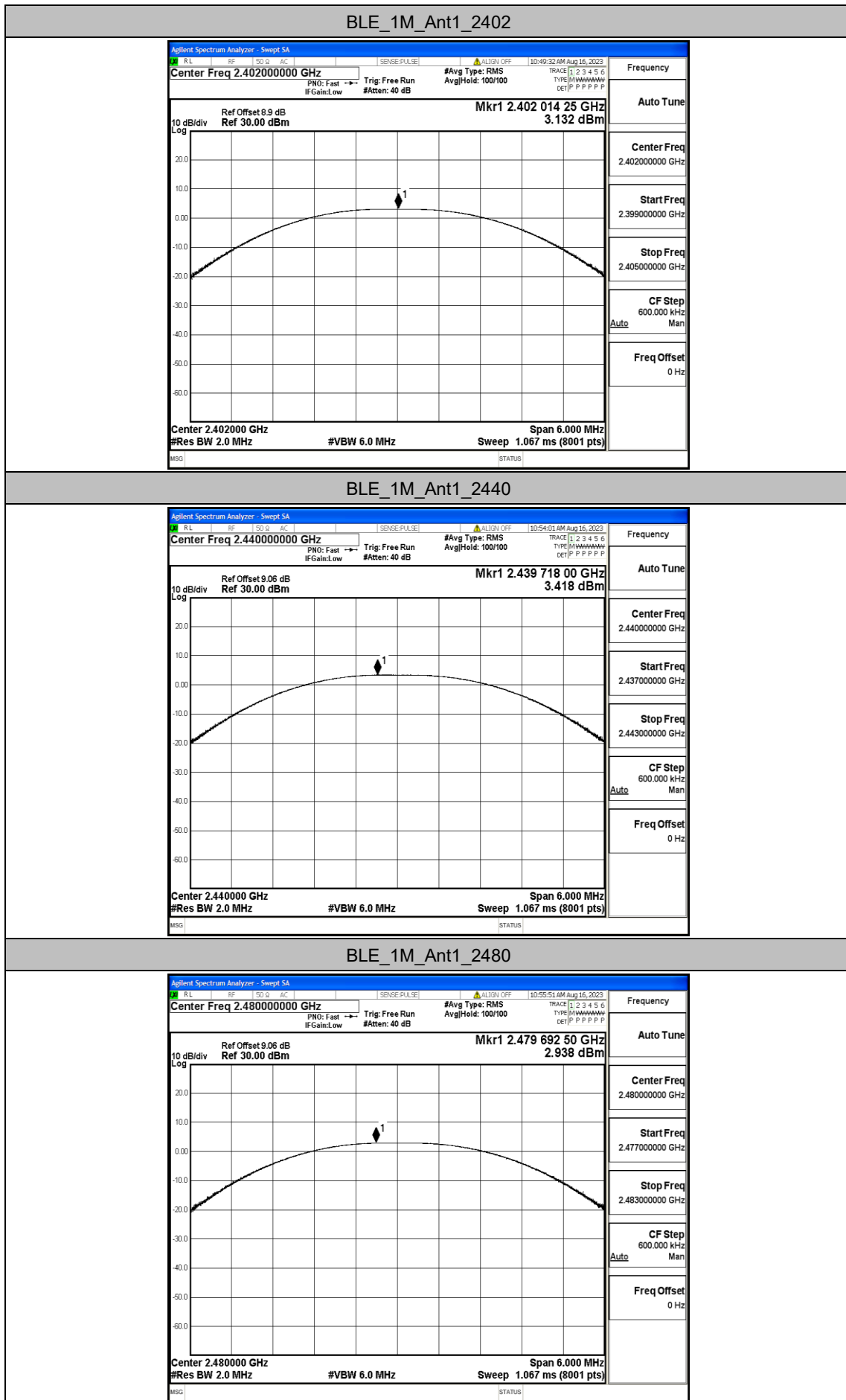


## Appendix C: Maximum Peak conducted output power

### Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.13	≤30	PASS
		2440	3.42	≤30	PASS
		2480	2.94	≤30	PASS

### Test Graphs



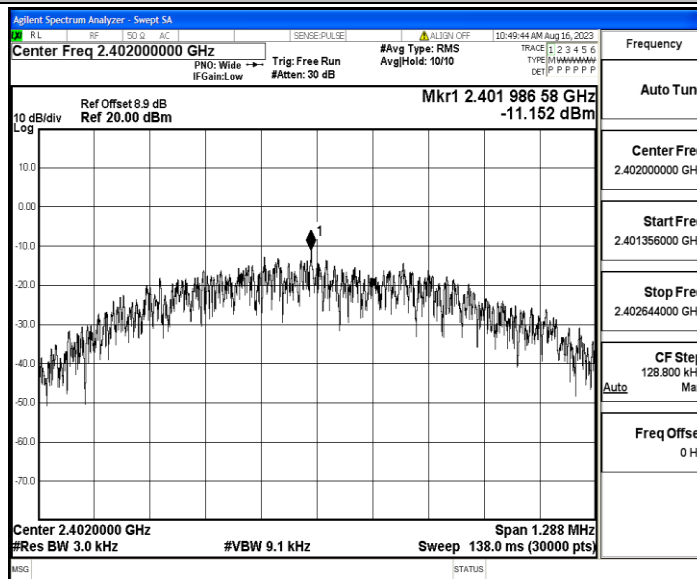
## Appendix D: Maximum power spectral density

### Test Result

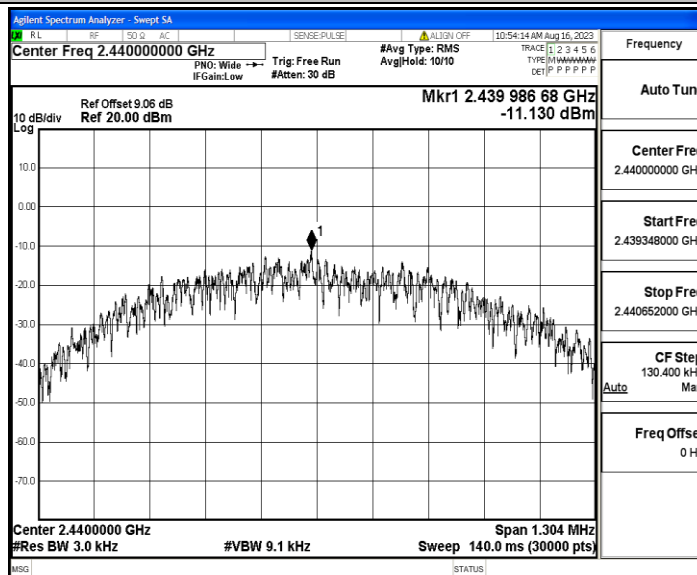
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.15	≤8.00	PASS
		2440	-11.13	≤8.00	PASS
		2480	-11.43	≤8.00	PASS

Test Graphs

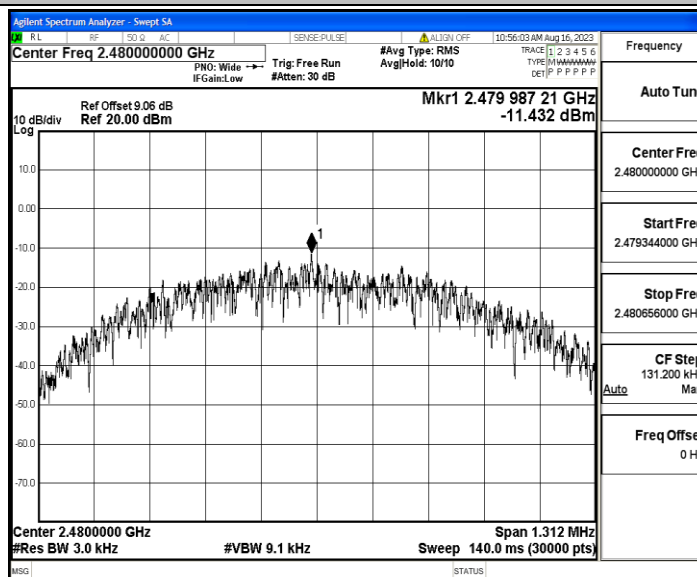
BLE\_1M\_Ant1\_2402



BLE\_1M\_Ant1\_2440



BLE\_1M\_Ant1\_2480



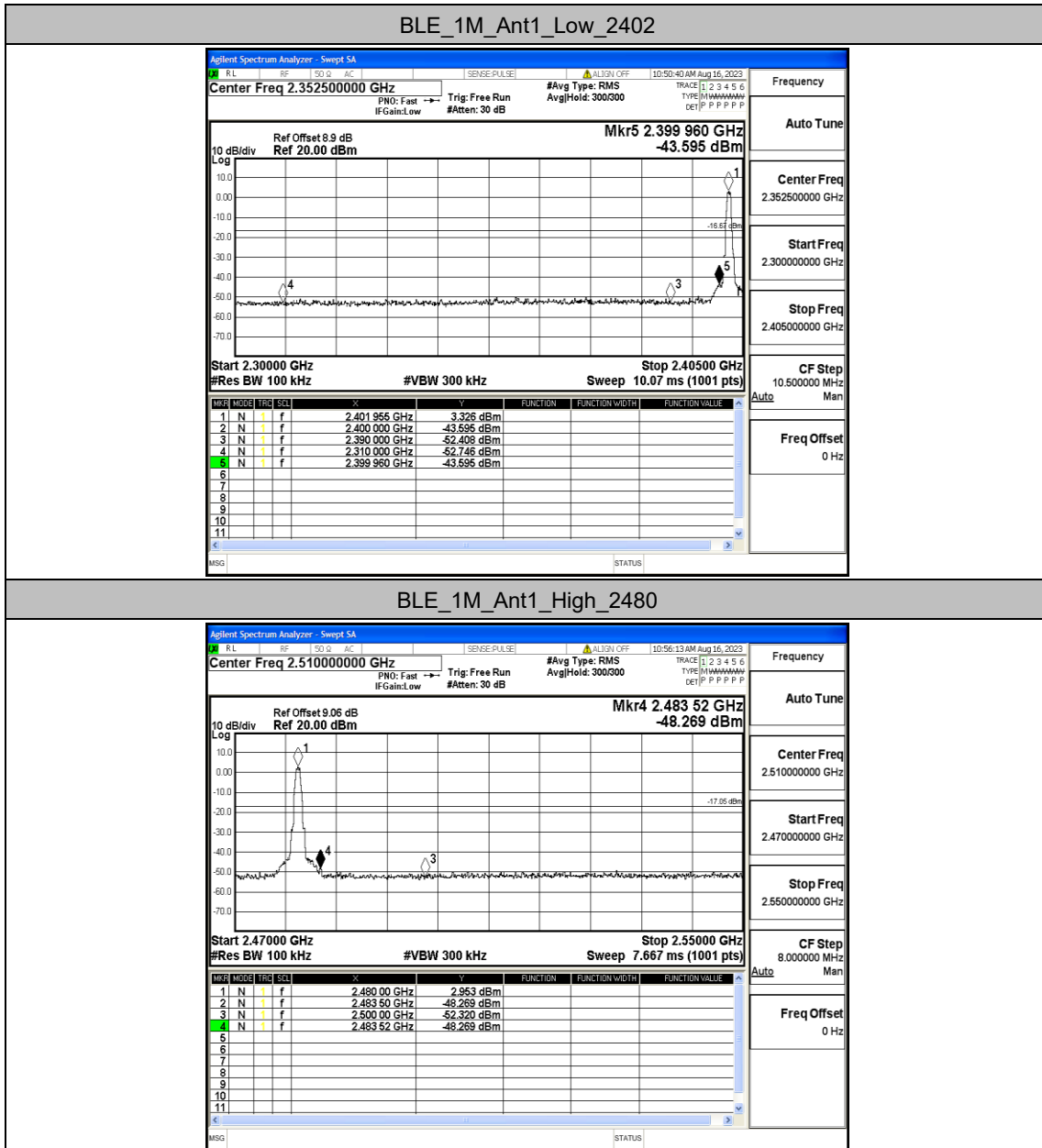


## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.33	-43.6	≤-16.67	PASS
		High	2480	2.95	-48.27	≤-17.05	PASS

Test Graphs

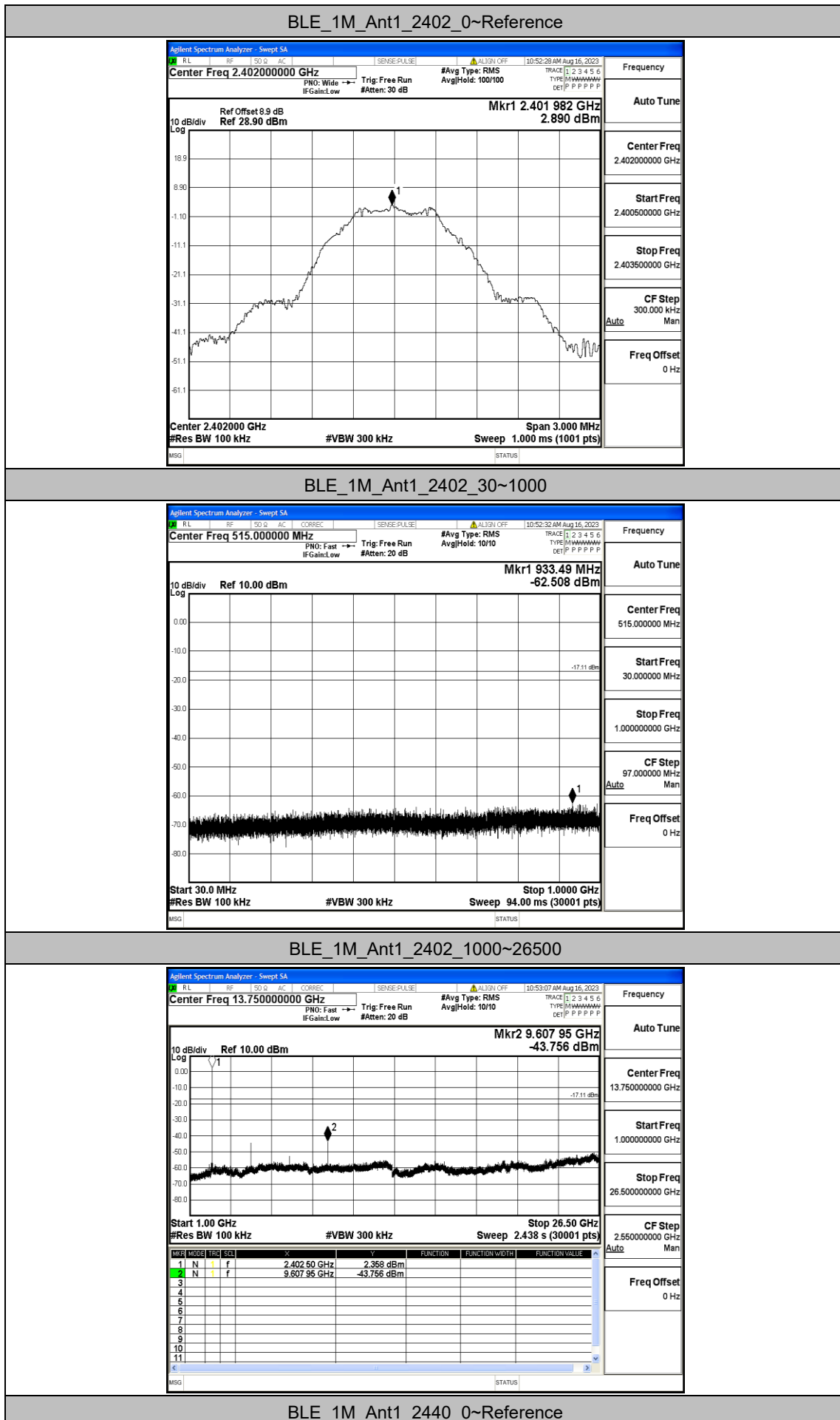


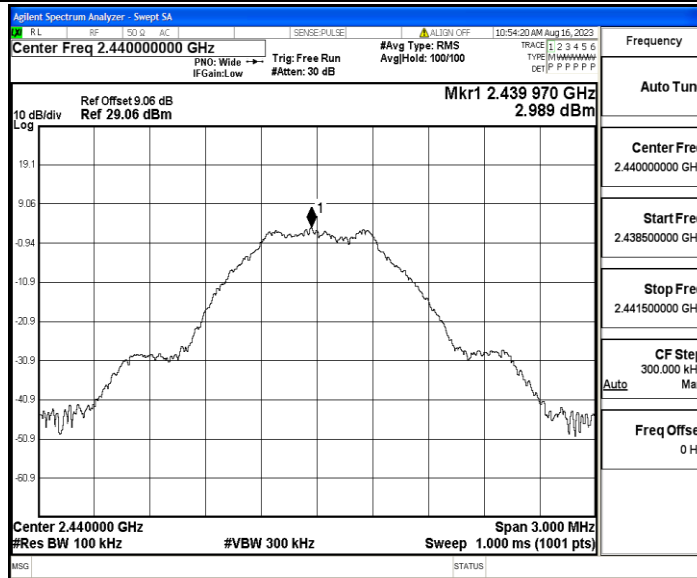
## Appendix F: Conducted Spurious Emission

### Test Result

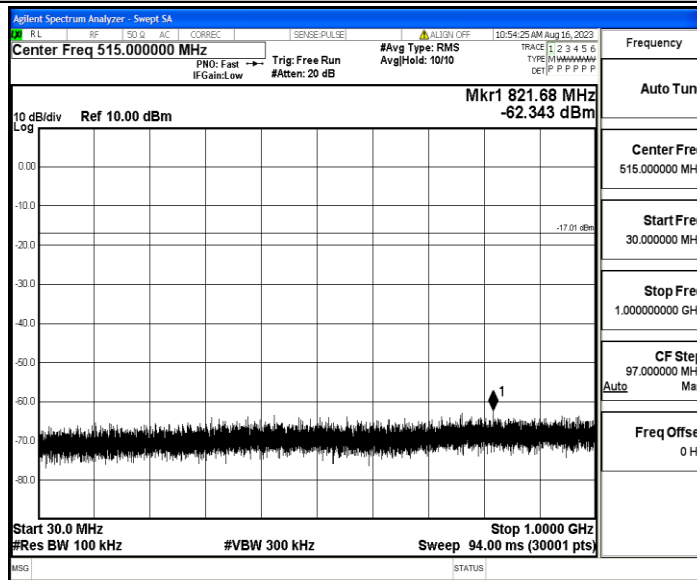
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.89	2.89	---	PASS
			30~1000	2.89	-62.51	≤-17.11	PASS
			1000~26500	2.89	-43.76	≤-17.11	PASS
		2440	Reference	2.99	2.99	---	PASS
			30~1000	2.99	-62.34	≤-17.01	PASS
			1000~26500	2.99	-39.74	≤-17.01	PASS
		2480	Reference	2.68	2.68	---	PASS
			30~1000	2.68	-63.23	≤-17.32	PASS
			1000~26500	2.68	-37.36	≤-17.32	PASS

### Test Graphs

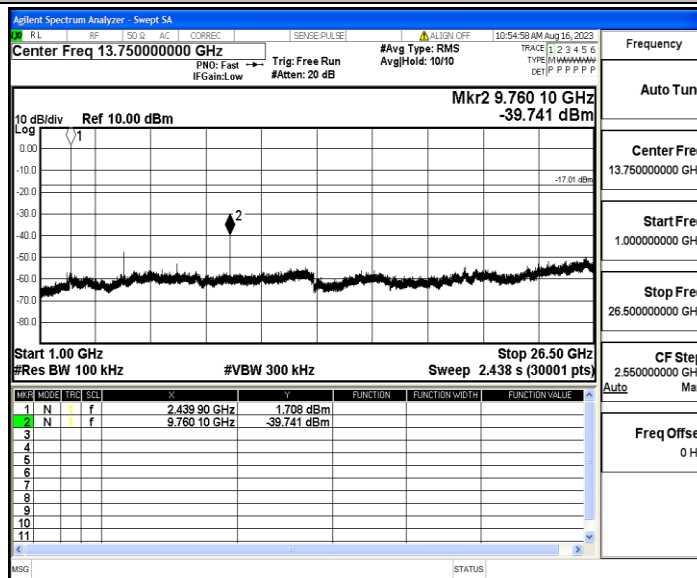




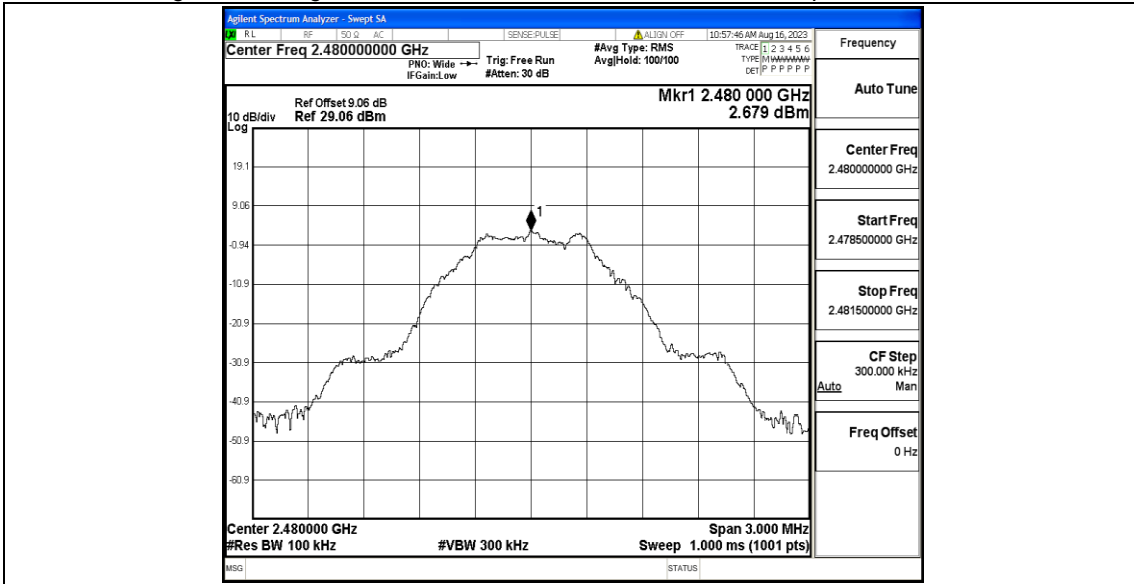
BLE\_1M\_Ant1\_2440\_30~1000



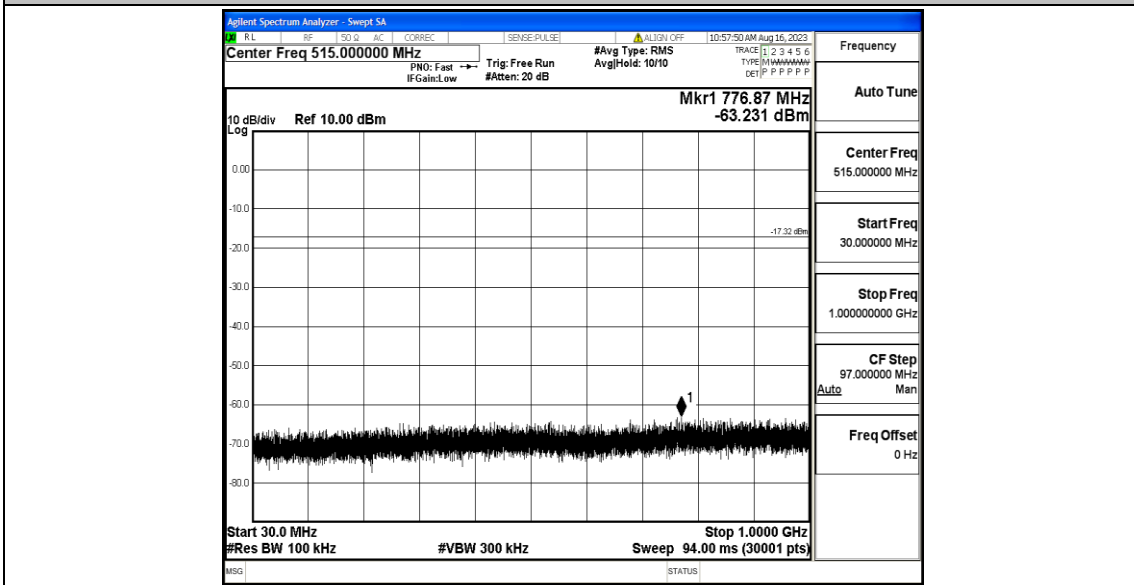
BLE\_1M\_Ant1\_2440\_1000~26500



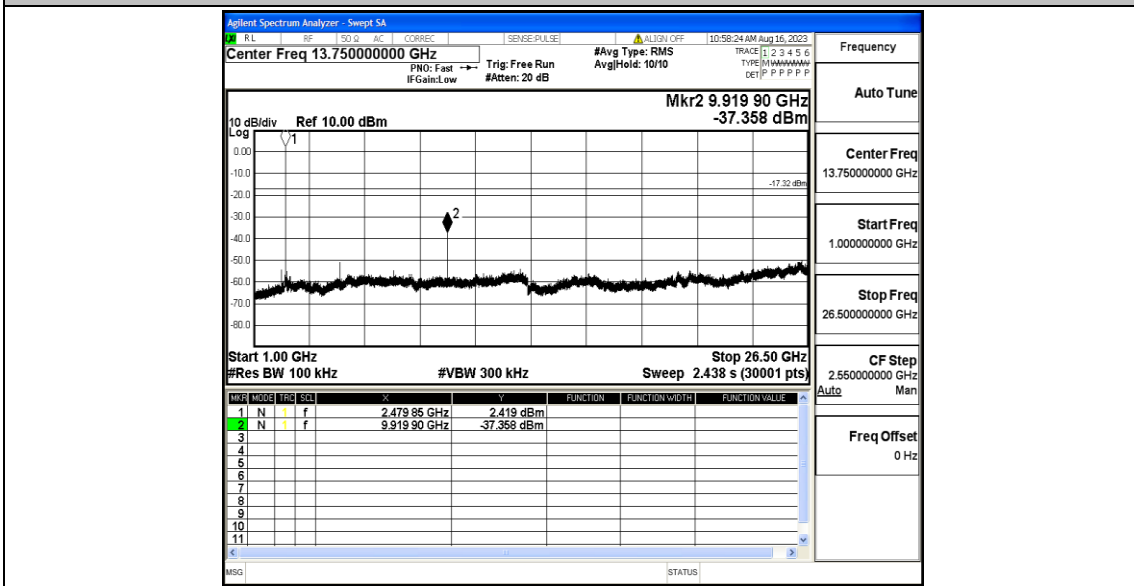
BLE\_1M\_Ant1\_2480\_0~Reference



BLE\_1M\_Ant1\_2480\_30~1000



BLE\_1M\_Ant1\_2480\_1000~26500

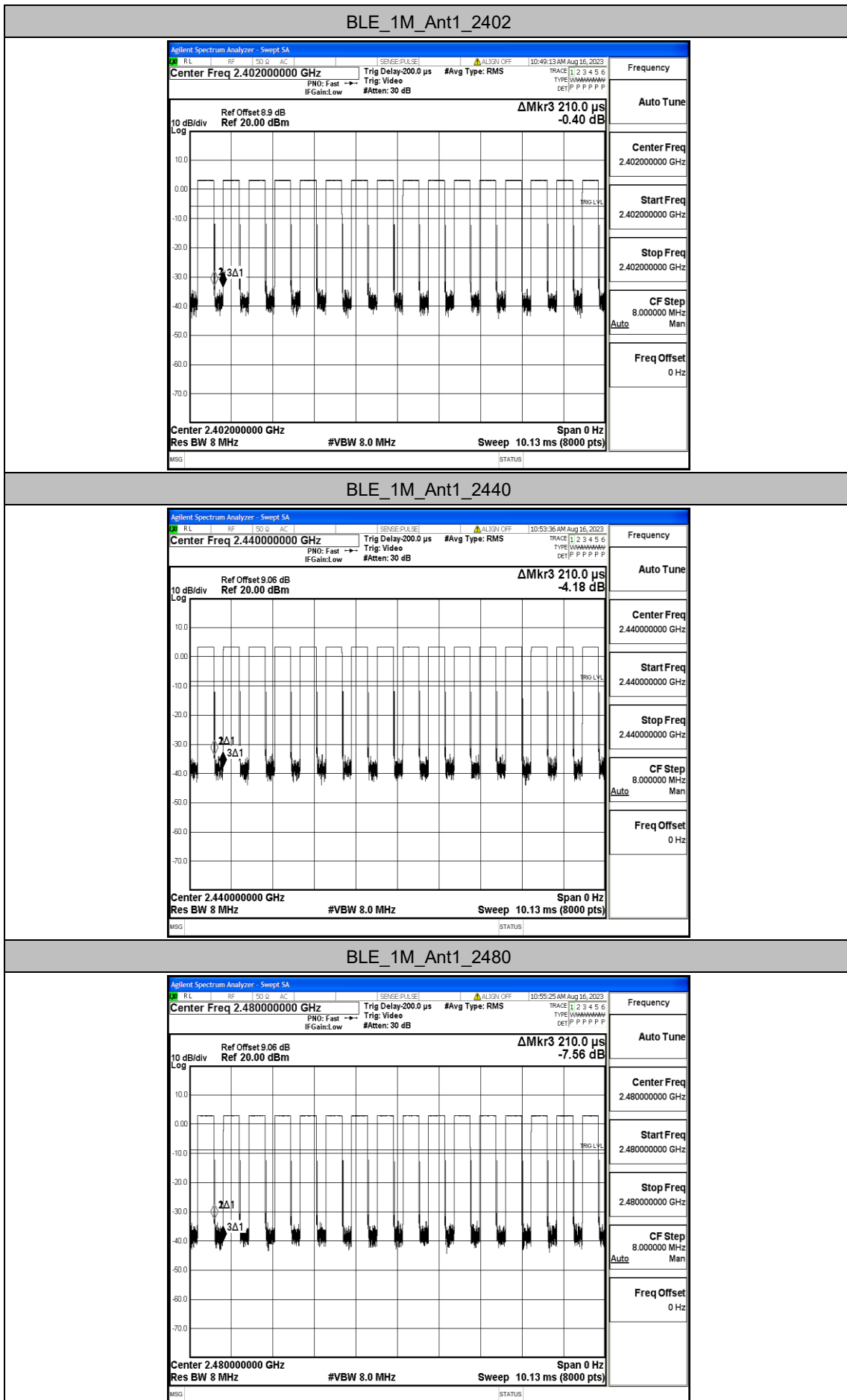


## Appendix G: Duty Cycle

### Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
BLE_1M	Ant1	2402	0.00	0.21	100	$\infty$
		2440	0.00	0.21	100	$\infty$
		2480	0.00	0.21	100	$\infty$

### Test Graphs





## Appendix H: Emissions in Restricted Bands

### Test Result

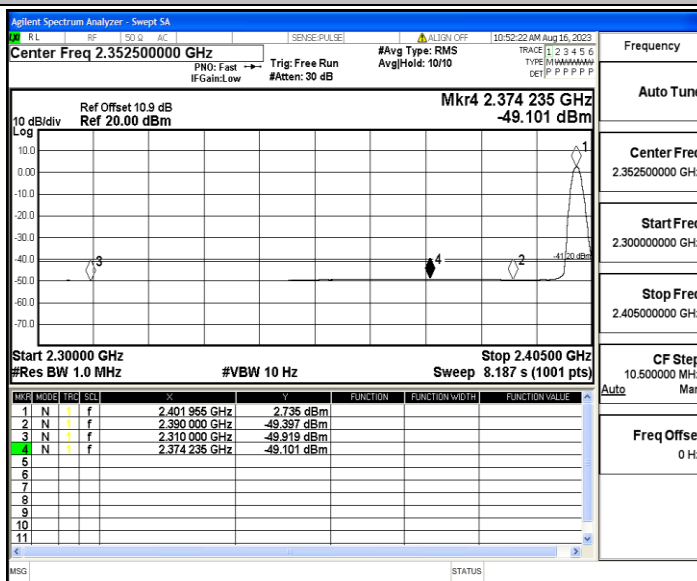
TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	AV	2310.000	-49.92	≤-41.20	PASS
				AV	2374.235	-49.1	≤-41.20	PASS
				AV	2390.000	-49.4	≤-41.20	PASS
				Peak	2310.000	-41.6	≤-21.20	PASS
				Peak	2385.995	-38.69	≤-21.20	PASS
				Peak	2390.000	-43.04	≤-21.20	PASS
		High	2480	AV	2483.500	-47.95	≤-41.20	PASS
				AV	2483.520	-47.95	≤-41.20	PASS
				AV	2500.000	-48.72	≤-41.20	PASS
				Peak	2483.500	-41.14	≤-21.20	PASS
				Peak	2487.440	-38.94	≤-21.20	PASS
				Peak	2500.000	-43.06	≤-21.20	PASS

Note:

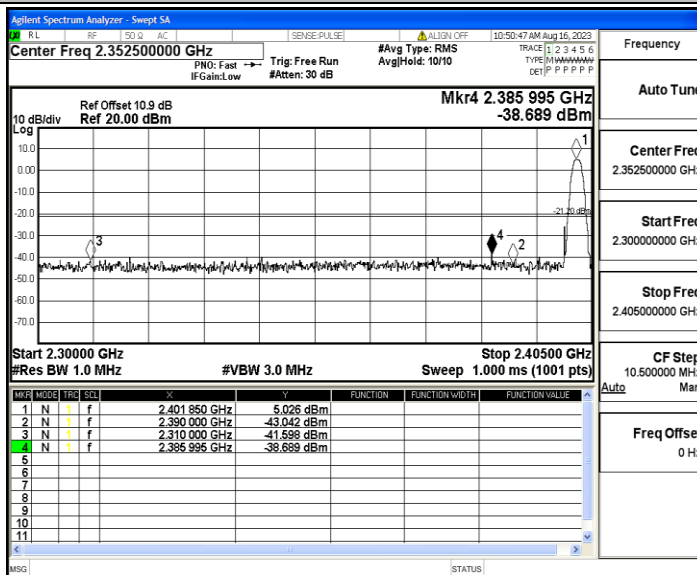
1. The Antenna Gain is compensated in the graph with 2dBi and Antenna Gain which is Higher.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

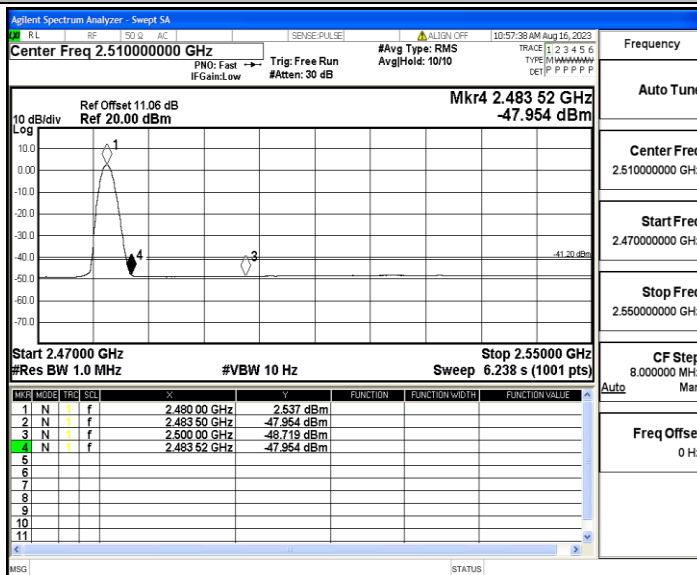
BLE\_1M\_Ant1\_Low\_2402\_AV



BLE\_1M\_Ant1\_Low\_2402\_Peak



BLE\_1M\_Ant1\_High\_2480\_AV



BLE\_1M\_Ant1\_High\_2480\_Peak

