

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

Product Name: Smart Watch

Trade Mark: N/A

Test Model: B06

FCC ID: 2A047-B06

### 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	0.632	2401.688	2402.320	0.5	PASS
		2440	0.656	2439.684	2440.340	0.5	PASS
		2480	0.648	2479.692	2480.340	0.5	PASS

Test Graphs

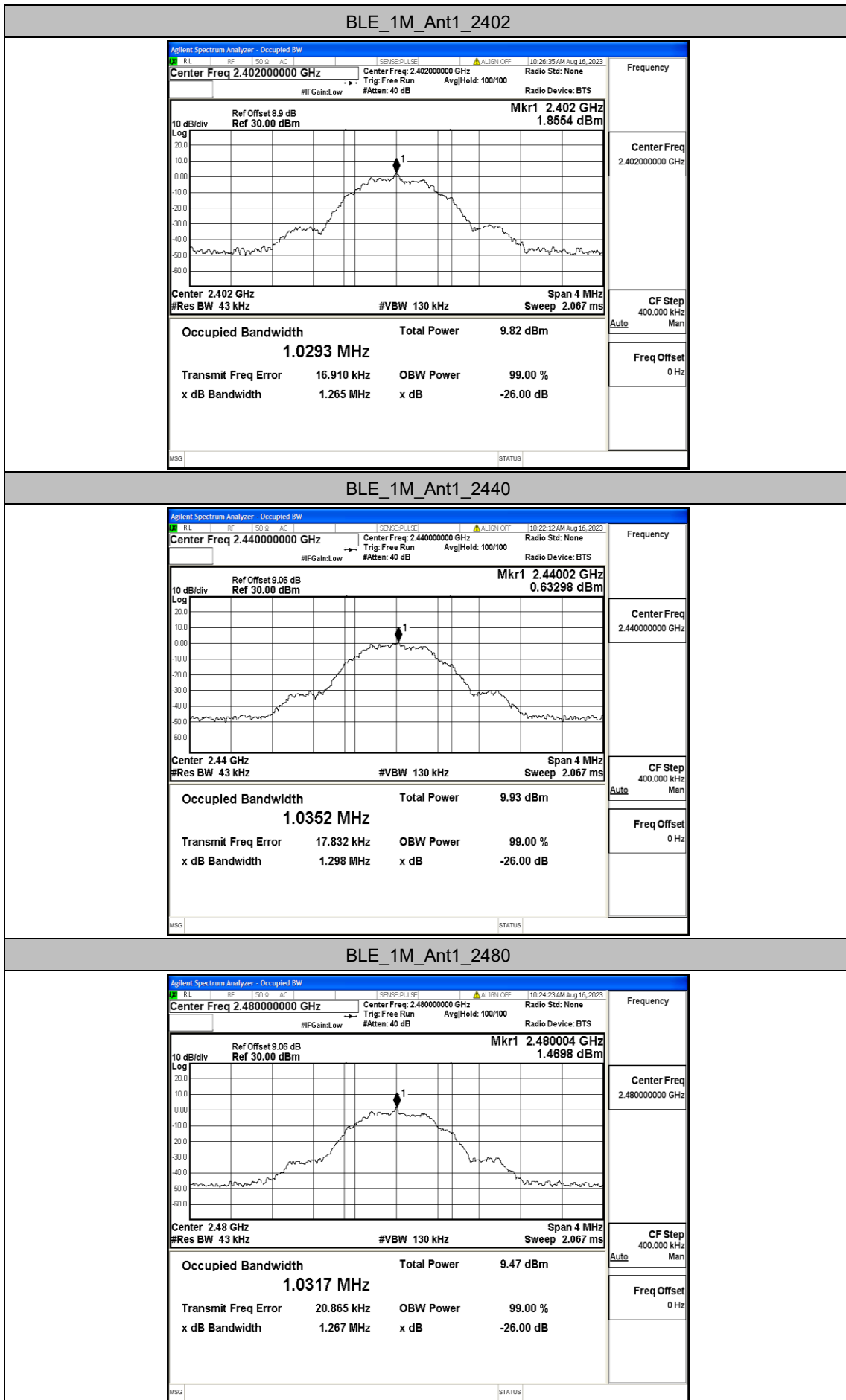


## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0293	2401.5023	2402.5316	---	---
		2440	1.0352	2439.5002	2440.5354	---	---
		2480	1.0317	2479.5050	2480.5367	---	---

Test Graphs

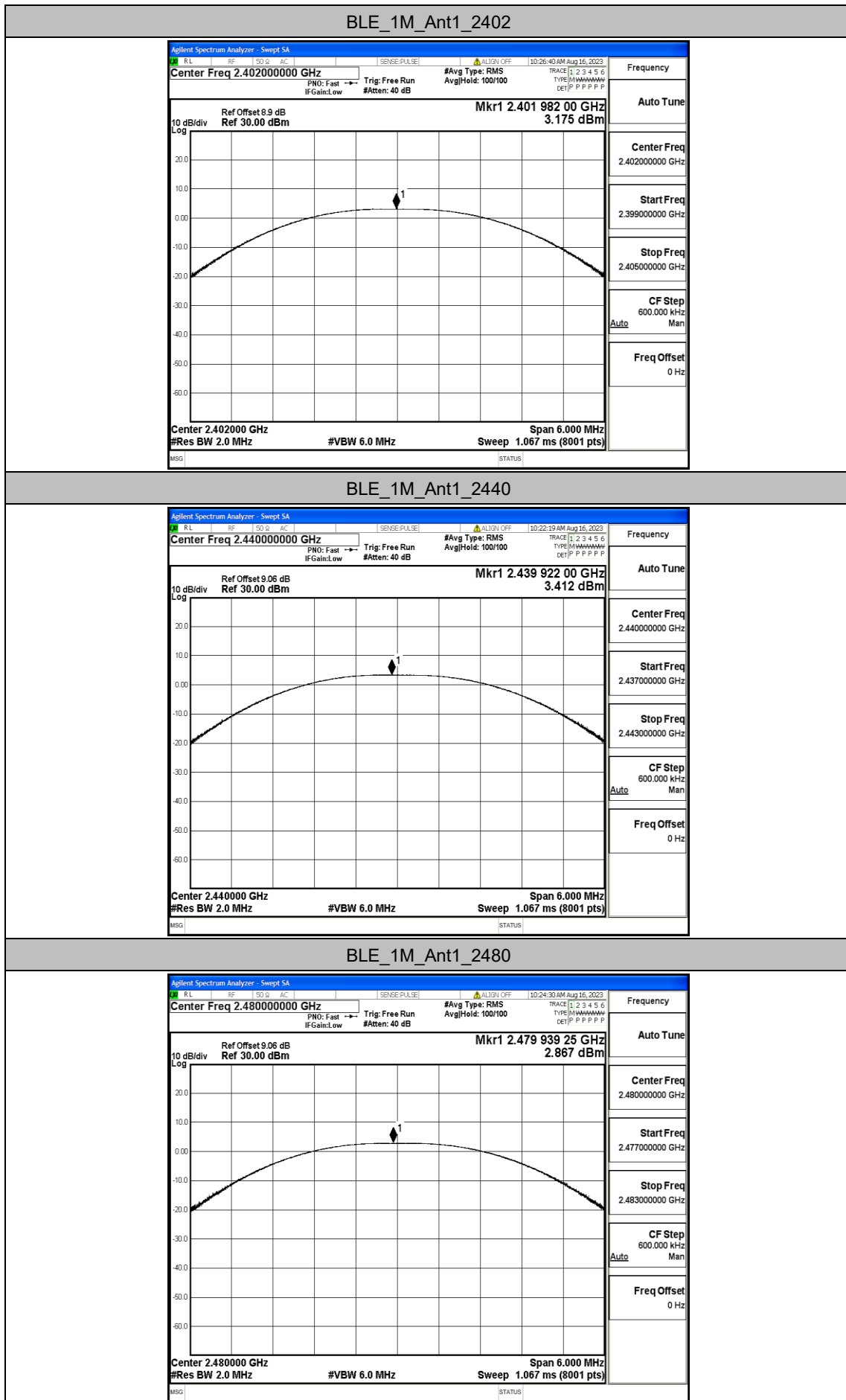


## Appendix C: Maximum Peak conducted output power

### Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.18	≤30	PASS
		2440	3.41	≤30	PASS
		2480	2.87	≤30	PASS

Test Graphs

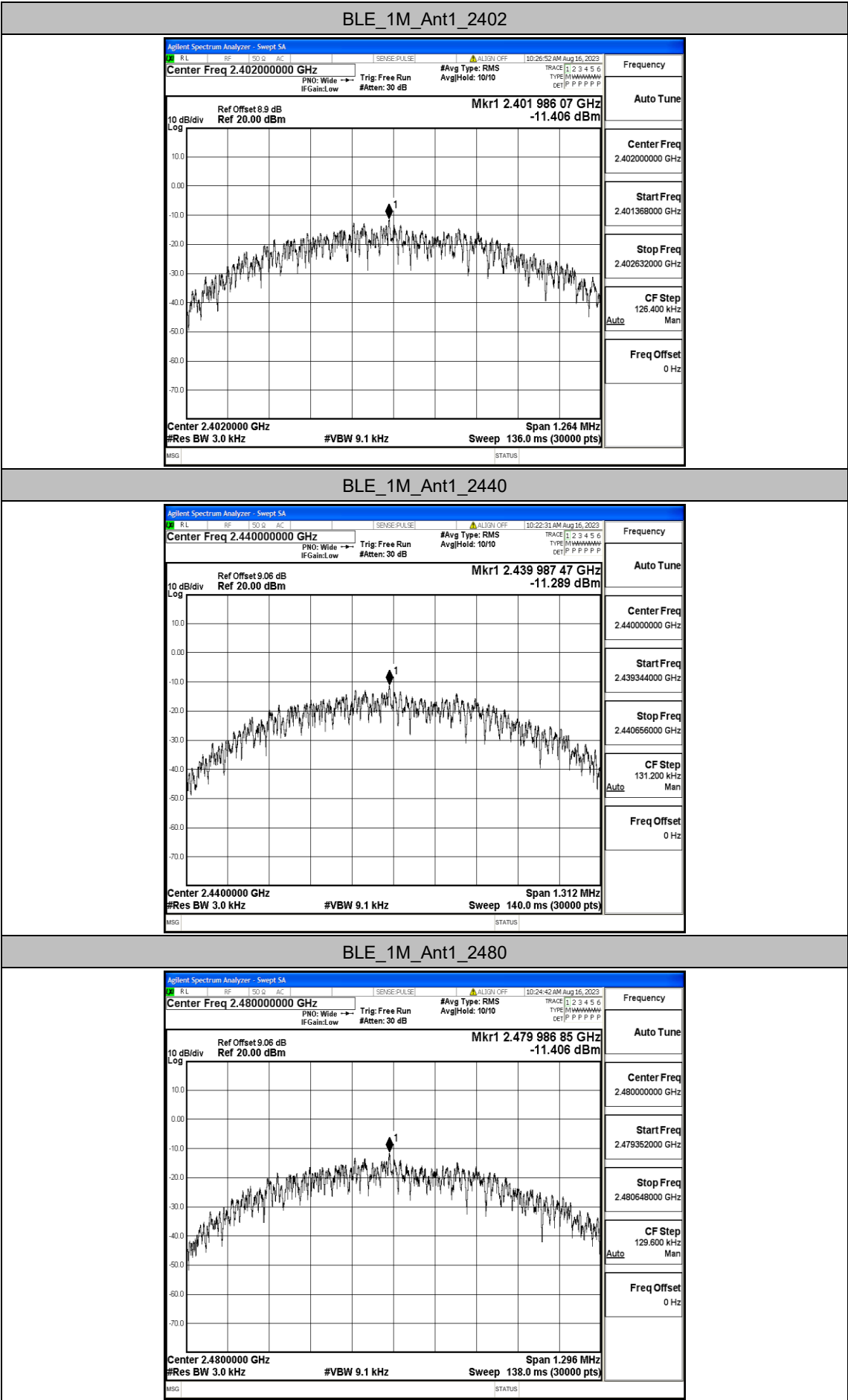


## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.41	≤8.00	PASS
		2440	-11.29	≤8.00	PASS
		2480	-11.41	≤8.00	PASS

Test Graphs



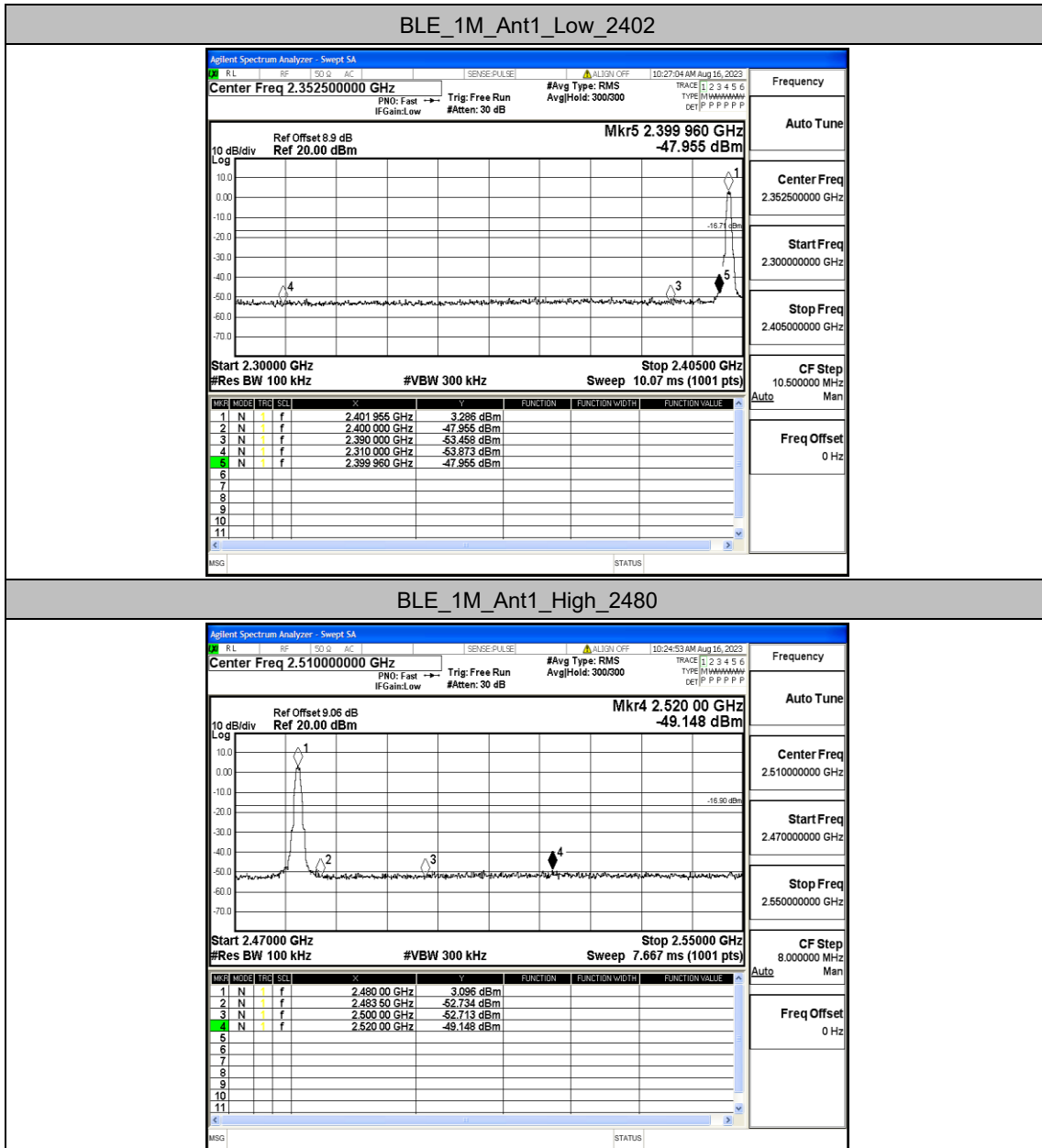


## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.29	-47.96	≤-16.71	PASS
		High	2480	3.10	-49.15	≤-16.9	PASS

Test Graphs

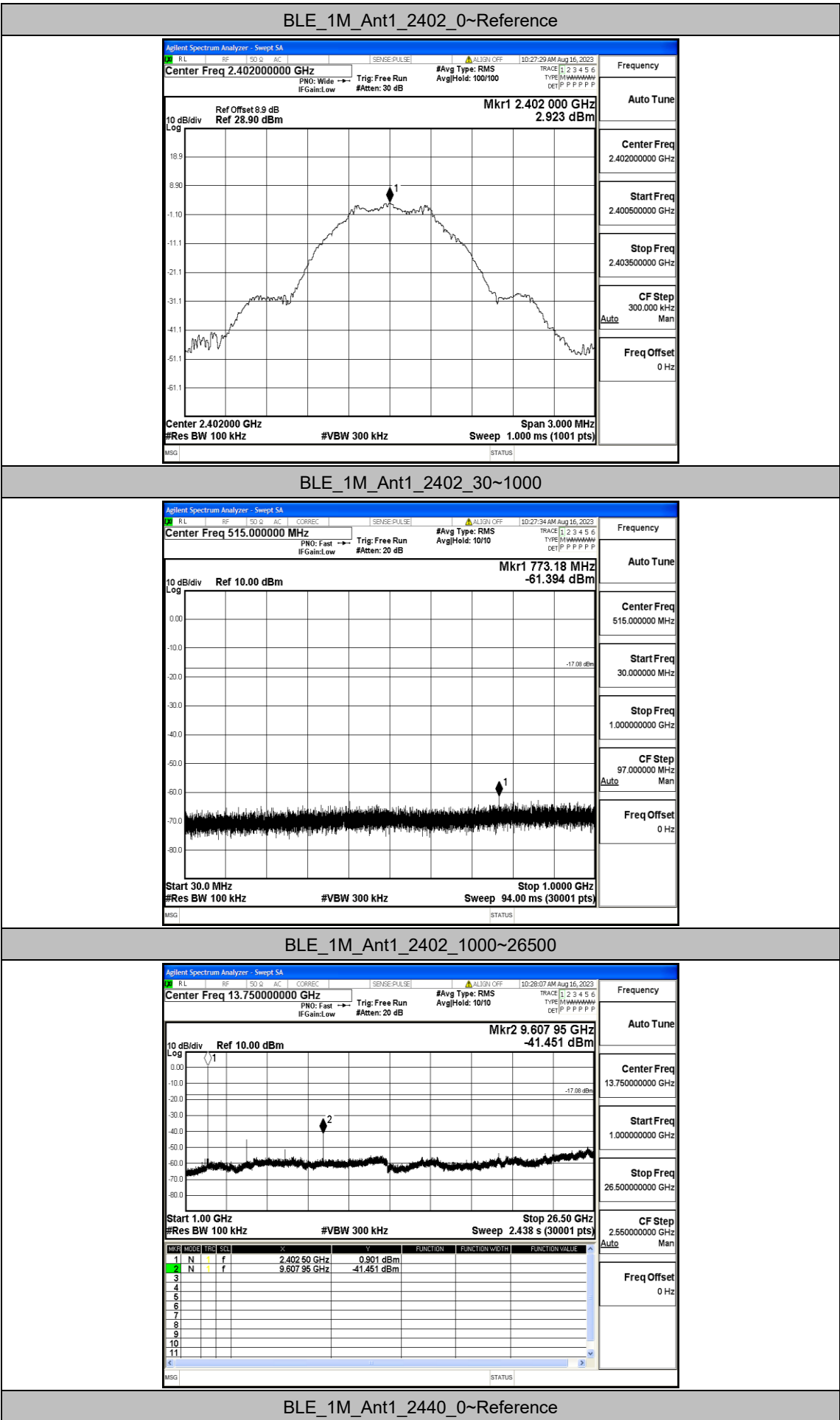


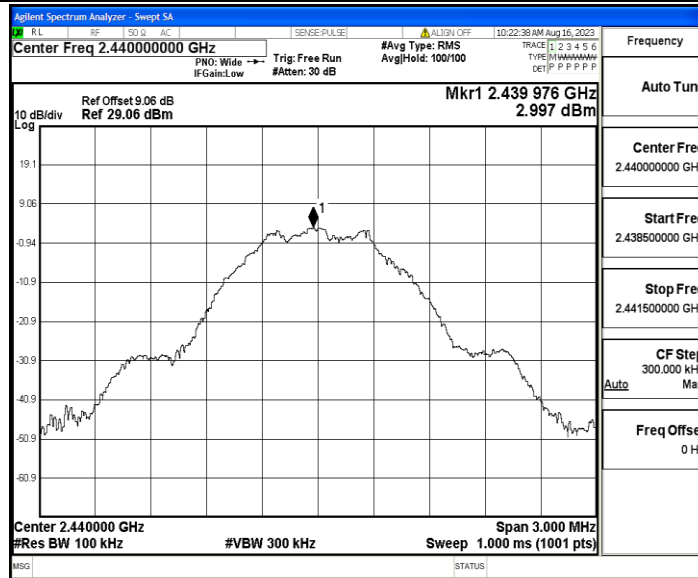
## Appendix F: Conducted Spurious Emission

### Test Result

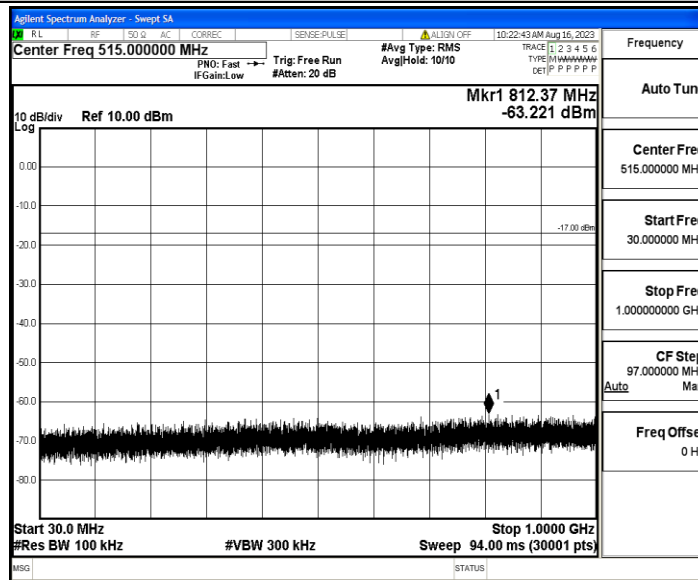
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.92	2.92	---	PASS
			30~1000	2.92	-61.39	≤-17.08	PASS
			1000~26500	2.92	-41.45	≤-17.08	PASS
		2440	Reference	3.00	3.00	---	PASS
			30~1000	3.00	-63.22	≤-17	PASS
			1000~26500	3.00	-38.9	≤-17	PASS
		2480	Reference	2.58	2.58	---	PASS
			30~1000	2.58	-63.2	≤-17.42	PASS
			1000~26500	2.58	-37.43	≤-17.42	PASS

Test Graphs

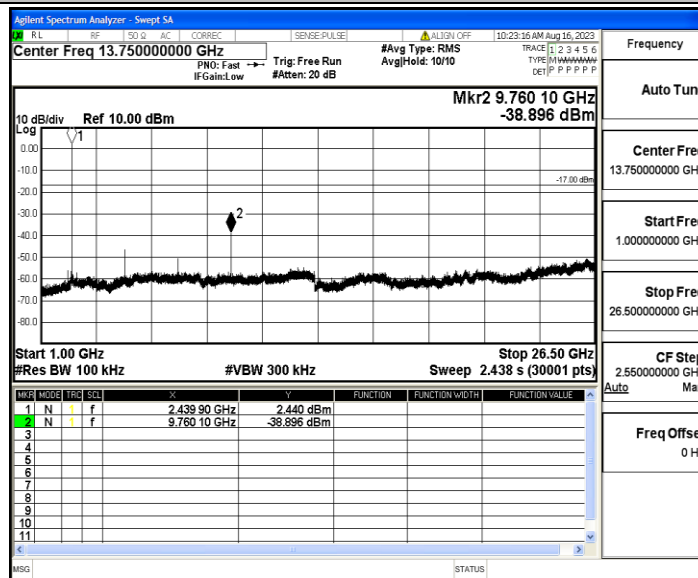




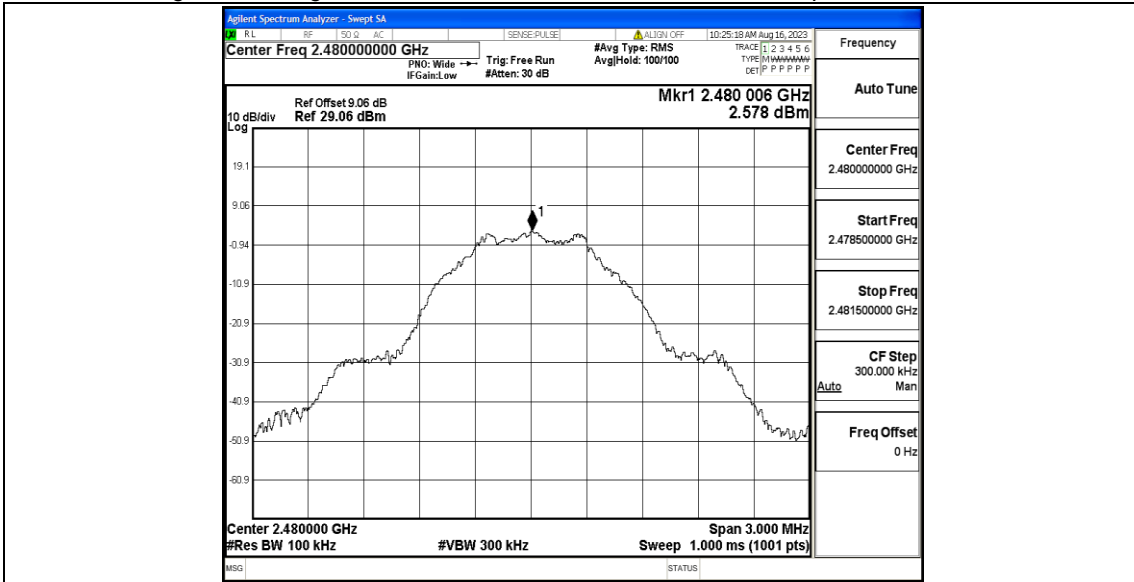
BLE\_1M\_Ant1\_2440\_30~1000



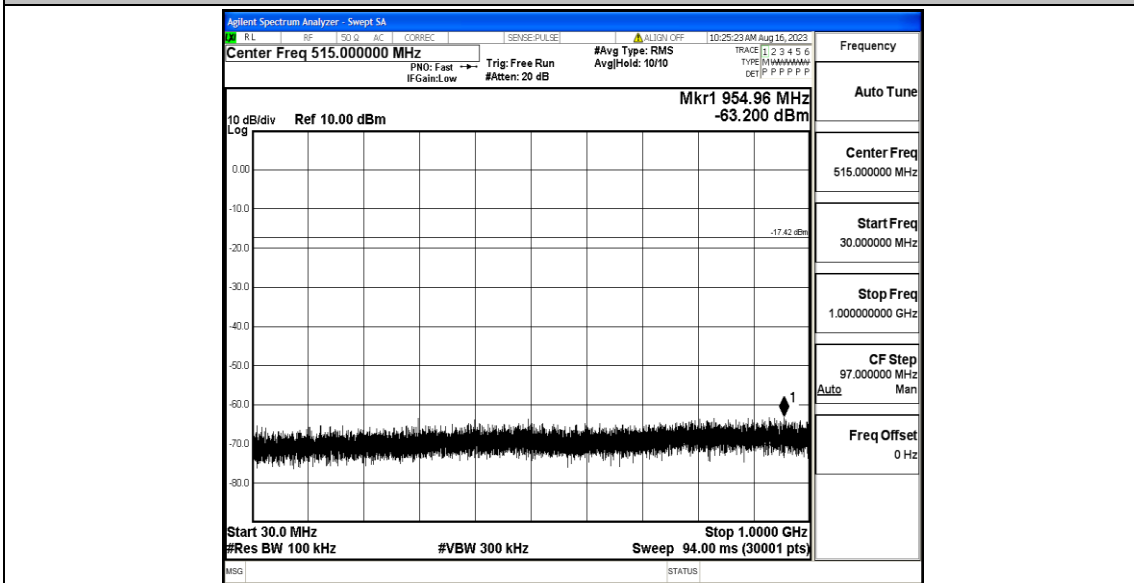
BLE\_1M\_Ant1\_2440\_1000~26500



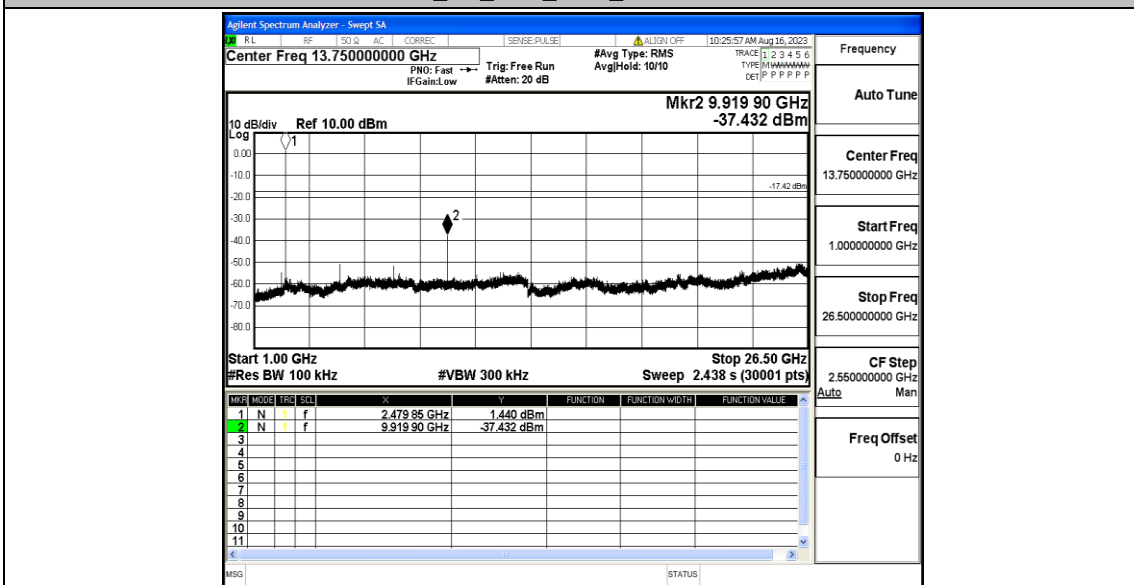
BLE\_1M\_Ant1\_2480\_0~Reference



BLE\_1M\_Ant1\_2480\_30~1000



BLE\_1M\_Ant1\_2480\_1000~26500

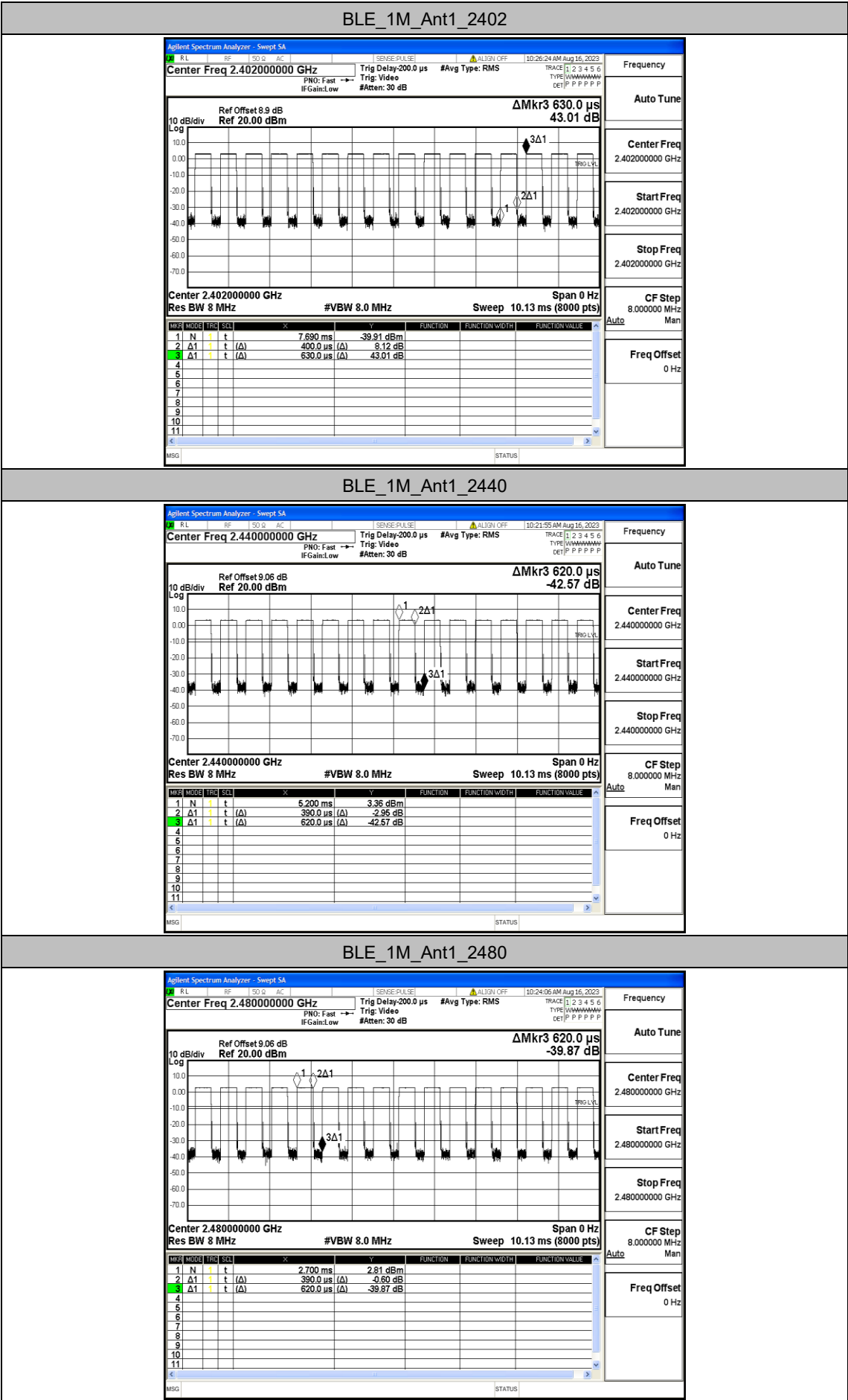


## Appendix G: Duty Cycle

### Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
BLE_1M	Ant1	2402	0.40	0.63	63.49	2.50
		2440	0.39	0.62	62.90	2.56
		2480	0.39	0.62	62.90	2.56

Test Graphs





## Appendix H: Emissions in Restricted Bands

### Test Result

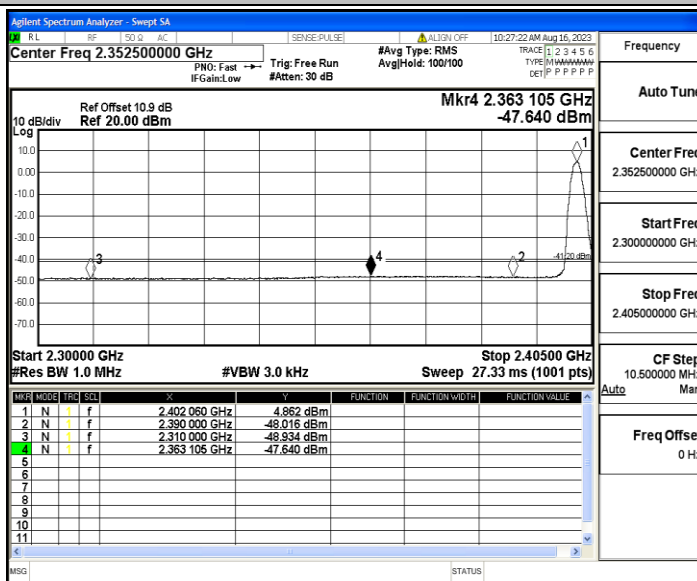
TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	AV	2310.000	-48.93	≤-41.20	PASS
				AV	2363.105	-47.64	≤-41.20	PASS
				AV	2390.000	-48.02	≤-41.20	PASS
				Peak	2310.000	-43.29	≤-21.20	PASS
				Peak	2371.505	-38.49	≤-21.20	PASS
				Peak	2390.000	-40.94	≤-21.20	PASS
		High	2480	AV	2483.500	-46.72	≤-41.20	PASS
				AV	2483.520	-46.72	≤-41.20	PASS
				AV	2500.000	-47.48	≤-41.20	PASS
				Peak	2483.500	-41.9	≤-21.20	PASS
				Peak	2483.920	-37.83	≤-21.20	PASS
				Peak	2500.000	-40.57	≤-21.20	PASS

Note:

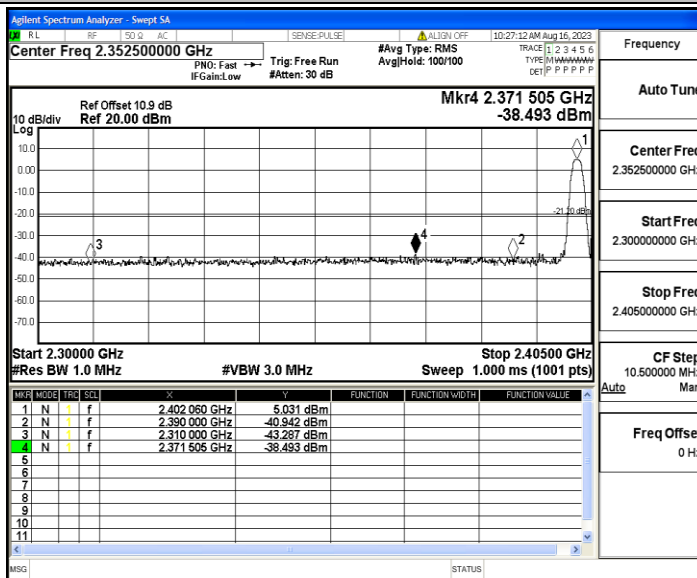
1. The Antenna Gain is compensated in the graph with 2dBi and Antenna Gain which is Higher.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

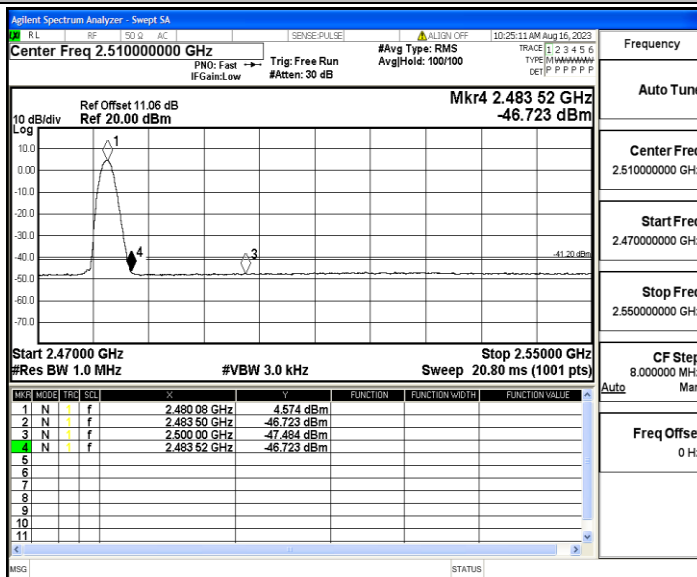
BLE\_1M\_Ant1\_Low\_2402\_AV



BLE\_1M\_Ant1\_Low\_2402\_Peak



BLE\_1M\_Ant1\_High\_2480\_AV



BLE\_1M\_Ant1\_High\_2480\_Peak

