

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

Product Name: TABLET

Trade Mark: FLY

Test Model: TAB_PRO23

FCC ID: 2BCQ3-TABPRO23

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

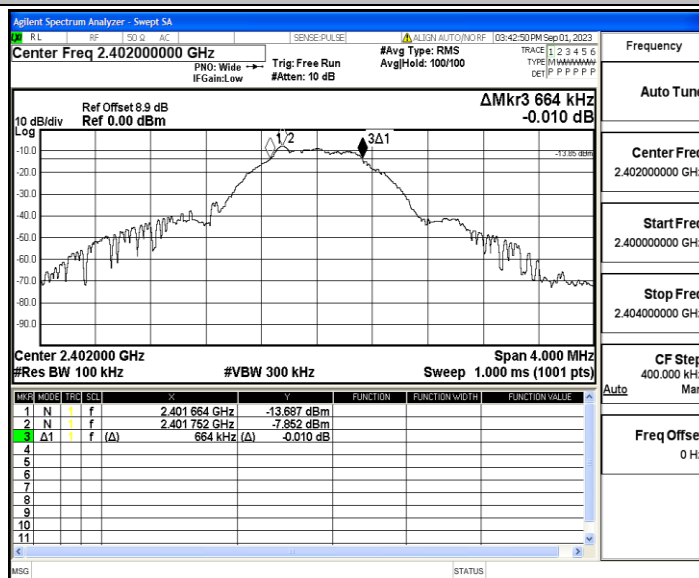
Appendix A: DTS Bandwidth

Test Result

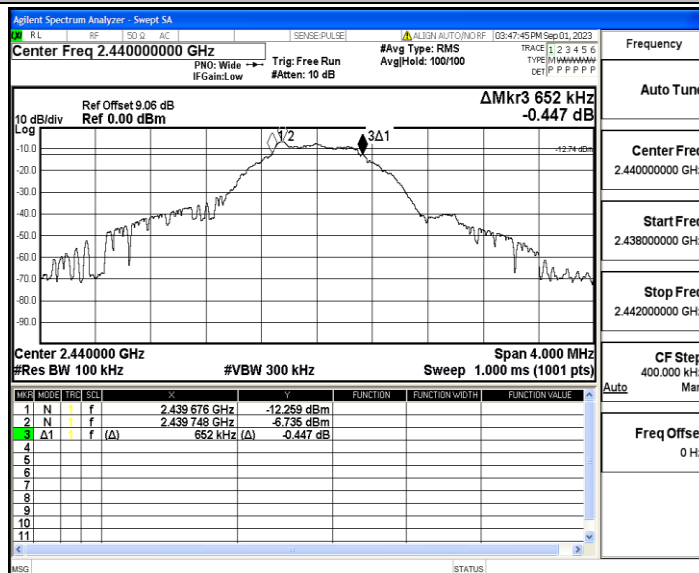
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.664	2401.664	2402.328	0.5	PASS
		2440	0.652	2439.676	2440.328	0.5	PASS
		2480	0.632	2479.680	2480.312	0.5	PASS

Test Graphs

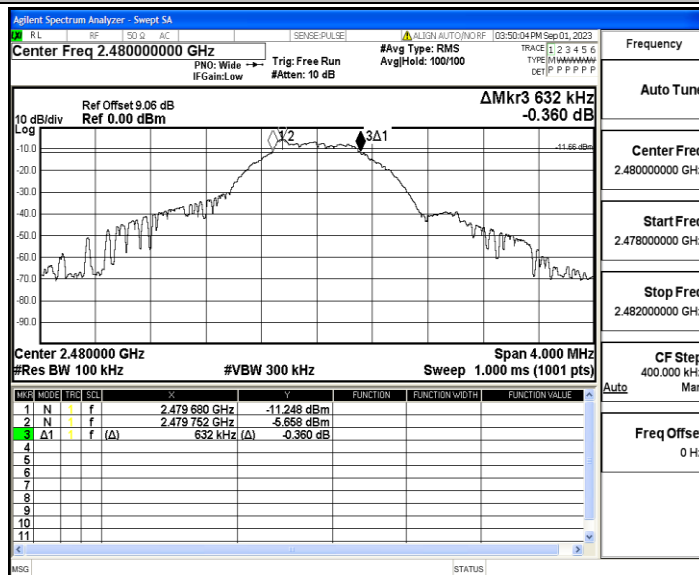
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



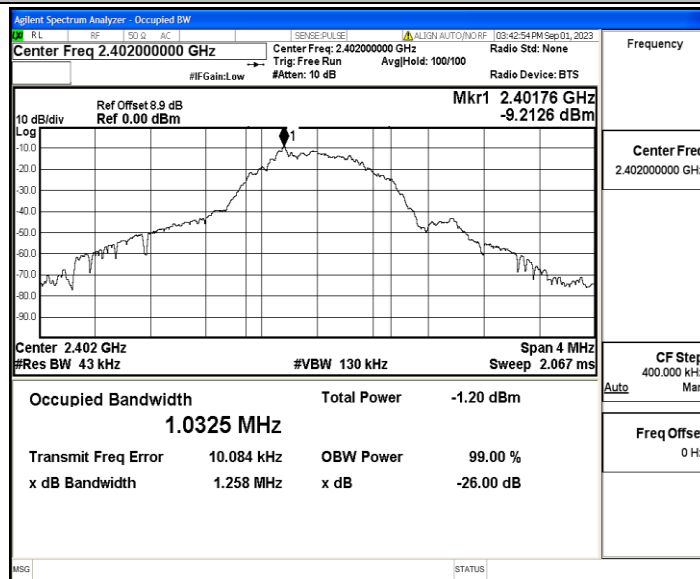
Appendix B: Occupied Channel Bandwidth

Test Result

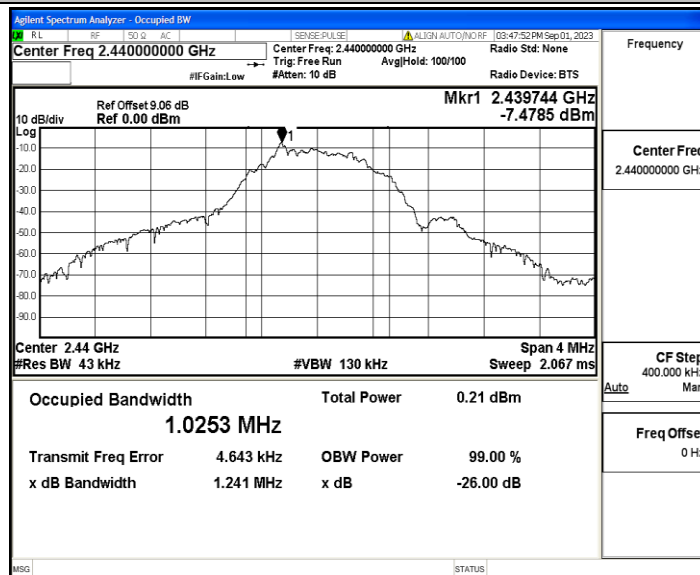
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0325	2401.4938	2402.5263	---	---
		2440	1.0253	2439.4920	2440.5173	---	---
		2480	1.0254	2479.4941	2480.5195	---	---

Test Graphs

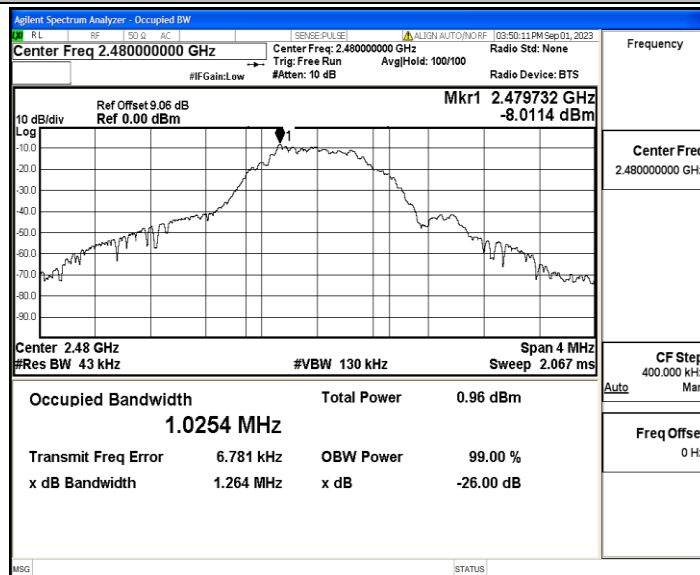
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



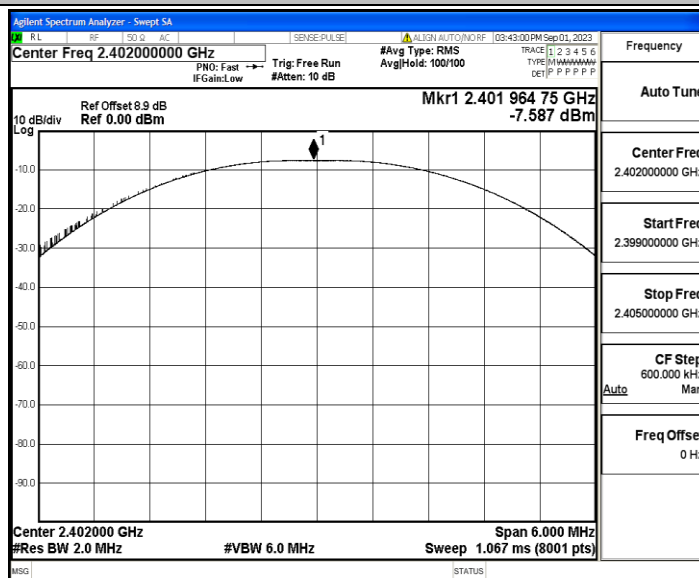
Appendix C: Maximum Peak conducted output power

Test Result

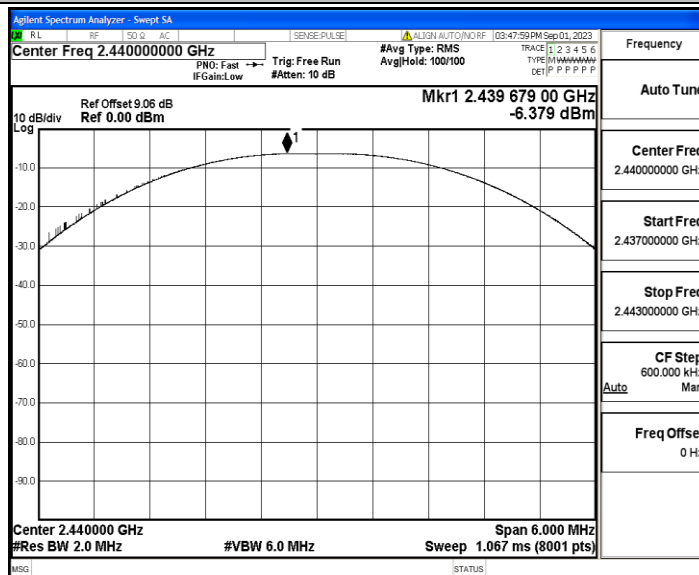
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-7.59	≤30	PASS
		2440	-6.38	≤30	PASS
		2480	-5.43	≤30	PASS

Test Graphs

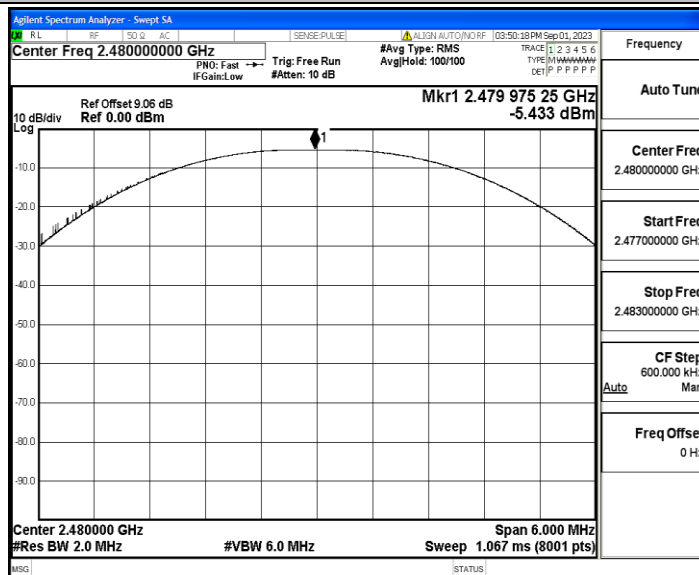
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



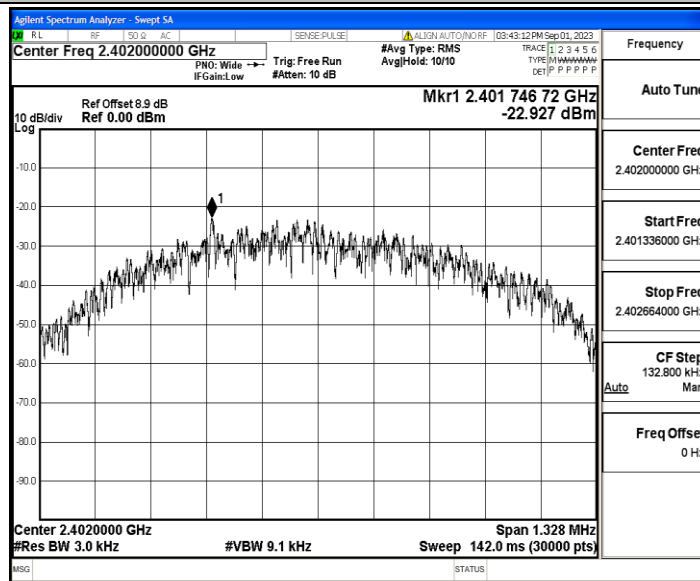
Appendix D: Maximum power spectral density

Test Result

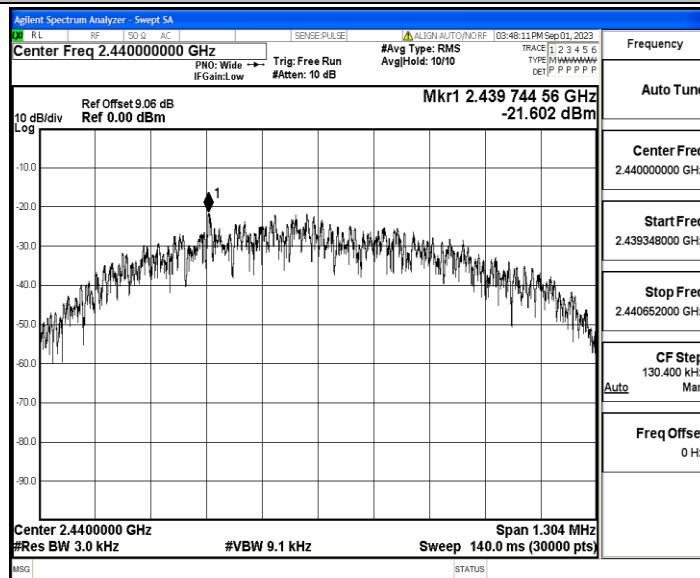
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-22.93	≤8.00	PASS
		2440	-21.6	≤8.00	PASS
		2480	-20.72	≤8.00	PASS

Test Graphs

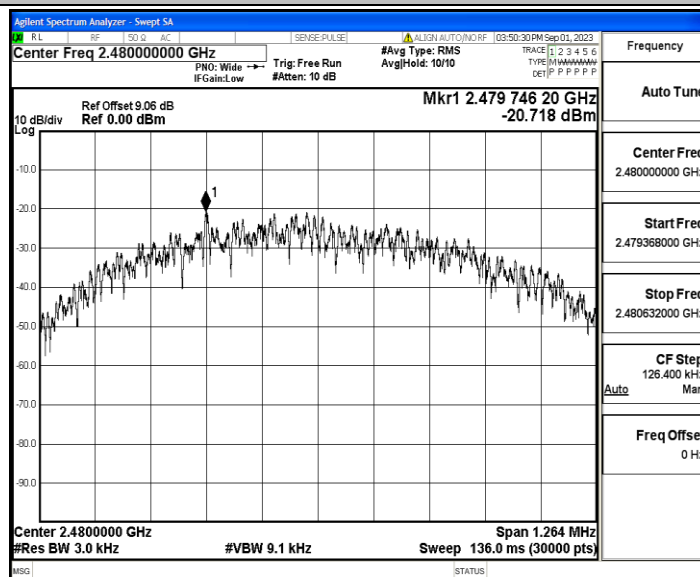
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



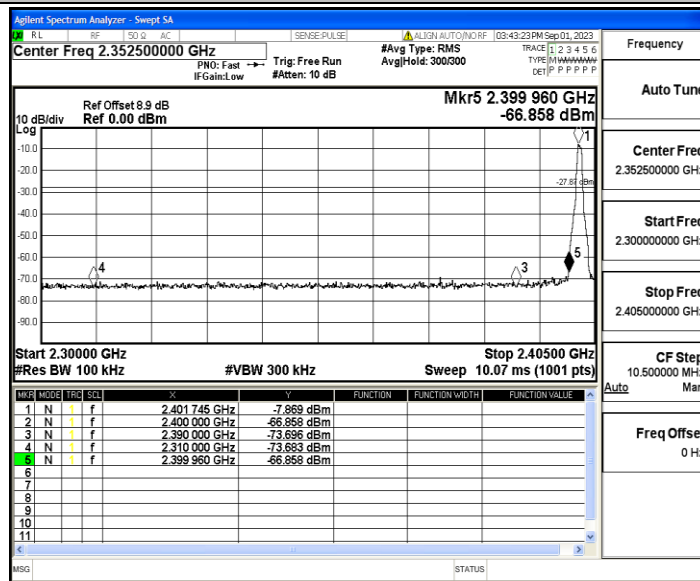
Appendix E: Band edge measurements

Test Result

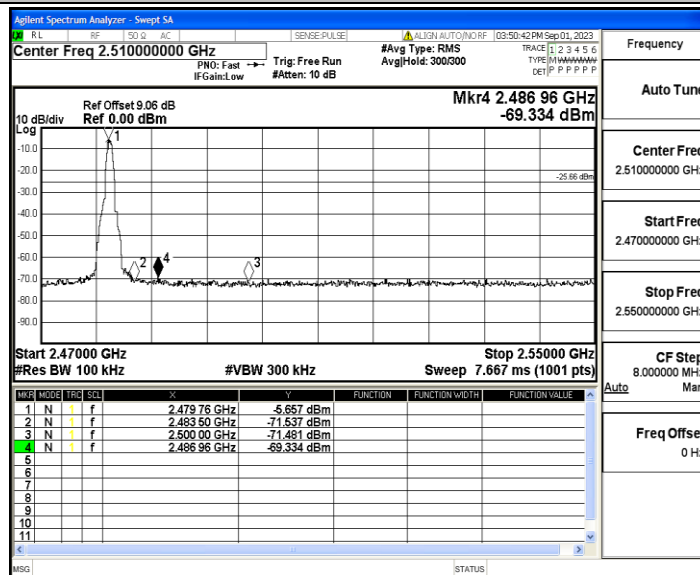
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-7.87	-66.86	≤-27.87	PASS
		High	2480	-5.66	-69.33	≤-25.66	PASS

Test Graphs

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480



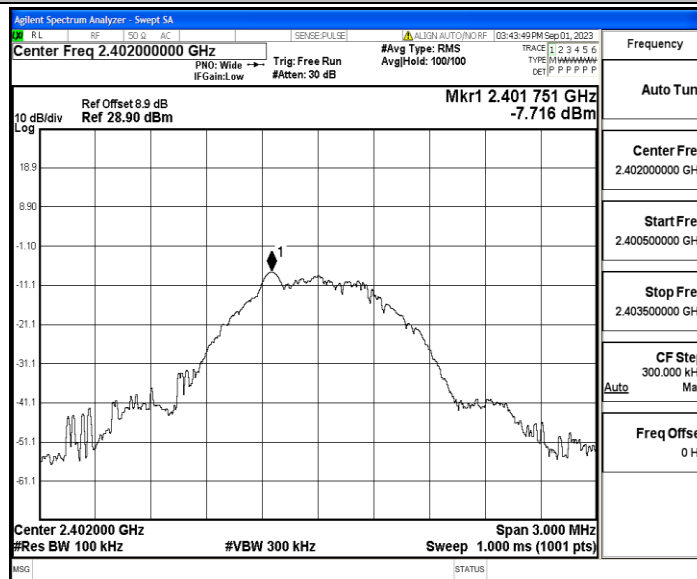
Appendix F: Conducted Spurious Emission

Test Result

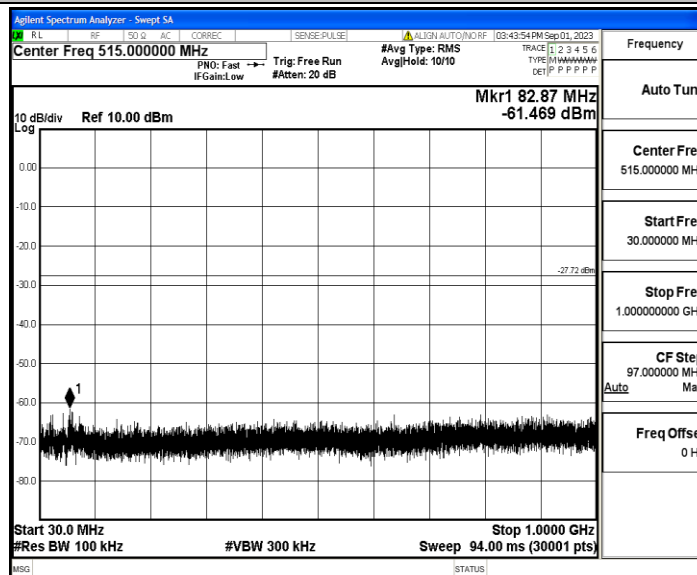
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-7.72	-7.72	---	PASS
			30~1000	-7.72	-61.47	≤ -27.72	PASS
			1000~26500	-7.72	-50.73	≤ -27.72	PASS
		2440	Reference	-7.37	-7.37	---	PASS
			30~1000	-7.37	-61.73	≤ -27.37	PASS
			1000~26500	-7.37	-50.61	≤ -27.37	PASS
		2480	Reference	-5.59	-5.59	---	PASS
			30~1000	-5.59	-61.53	≤ -25.59	PASS
			1000~26500	-5.59	-50.11	≤ -25.59	PASS

Test Graphs

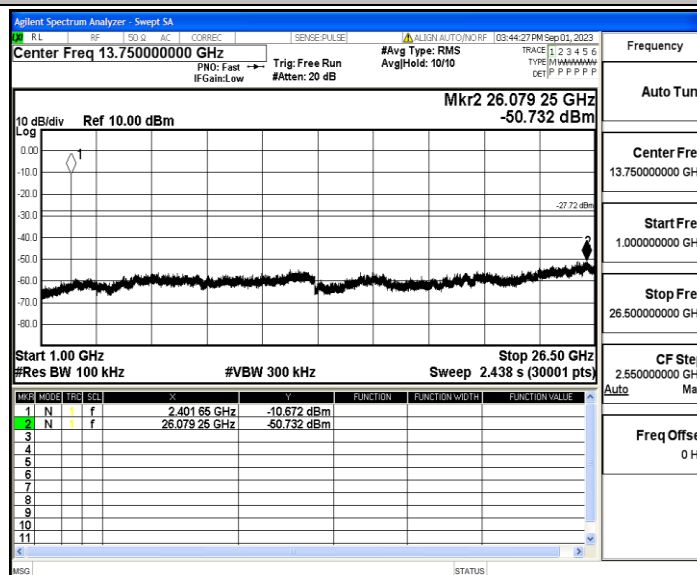
BLE_1M_Ant1_2402_0~Reference



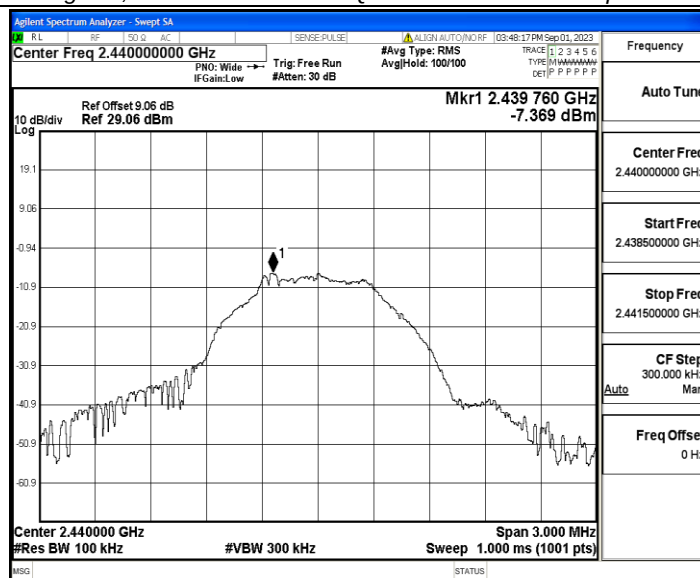
BLE_1M_Ant1_2402_30~1000



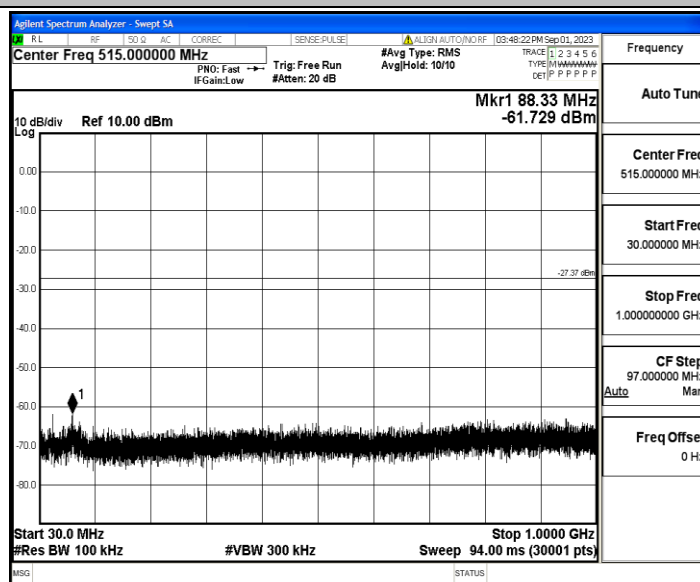
BLE_1M_Ant1_2402_1000~26500



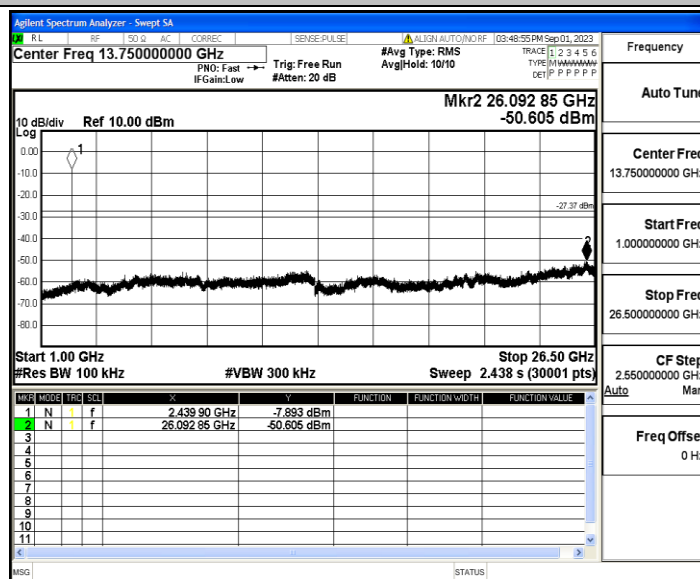
BLE_1M_Ant1_2440_0~Reference



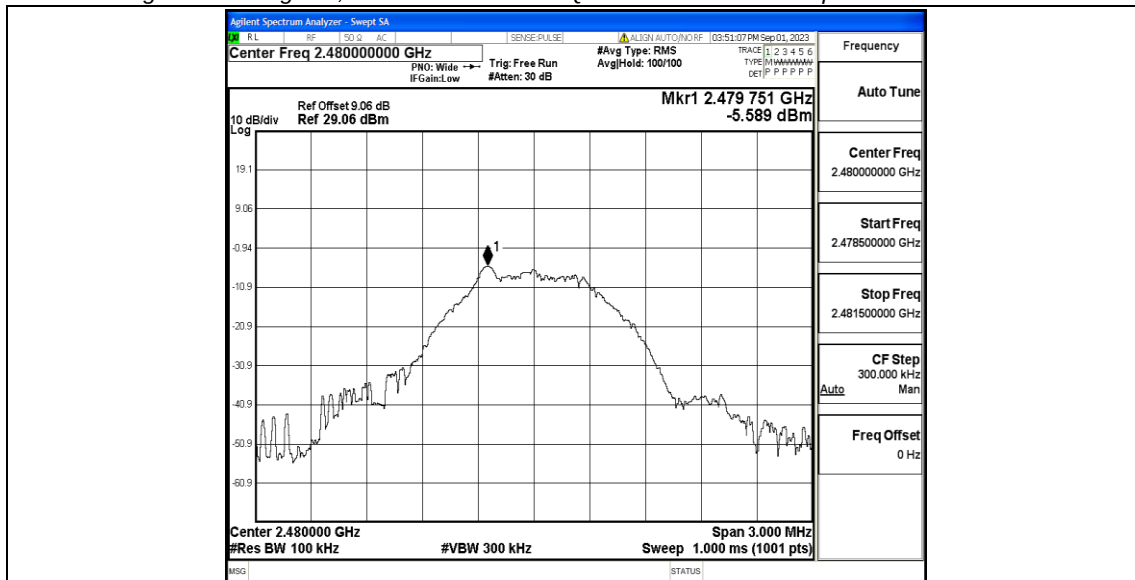
BLE_1M_Ant1_2440_30~1000



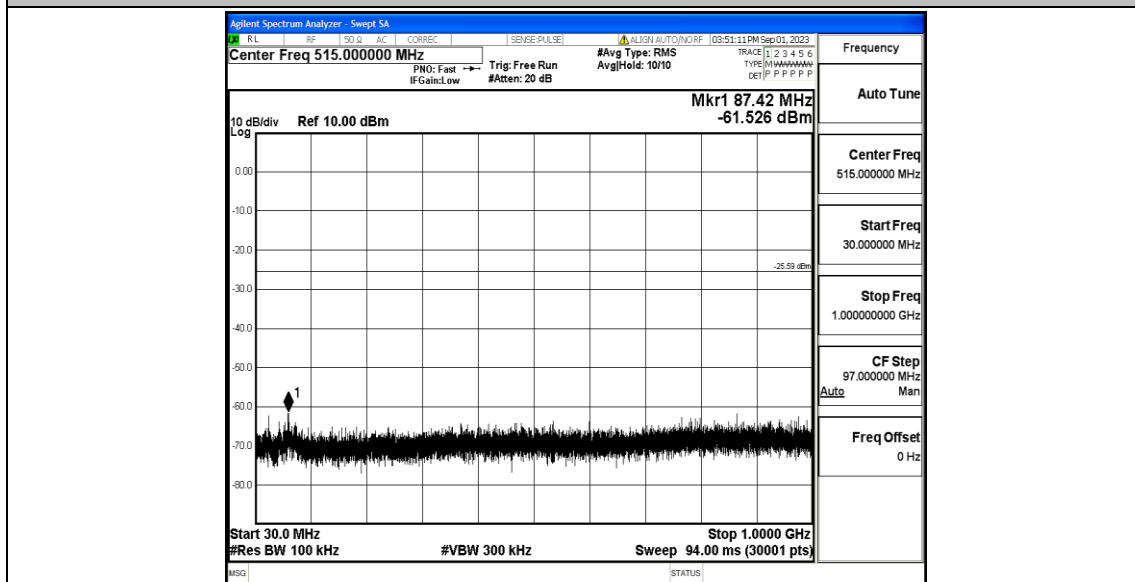
BLE_1M_Ant1_2440_1000~26500



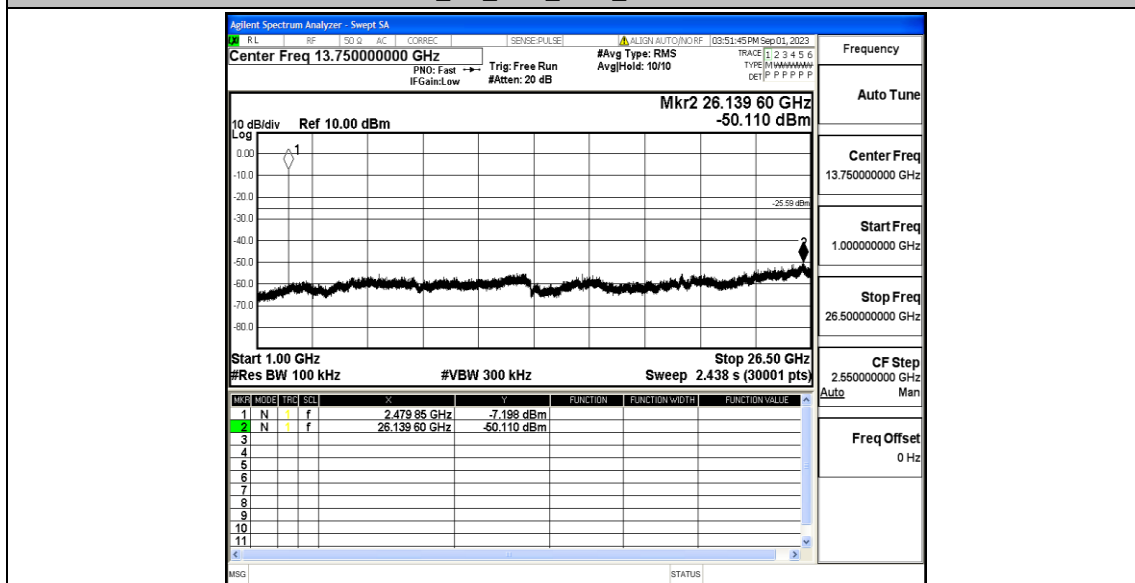
BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

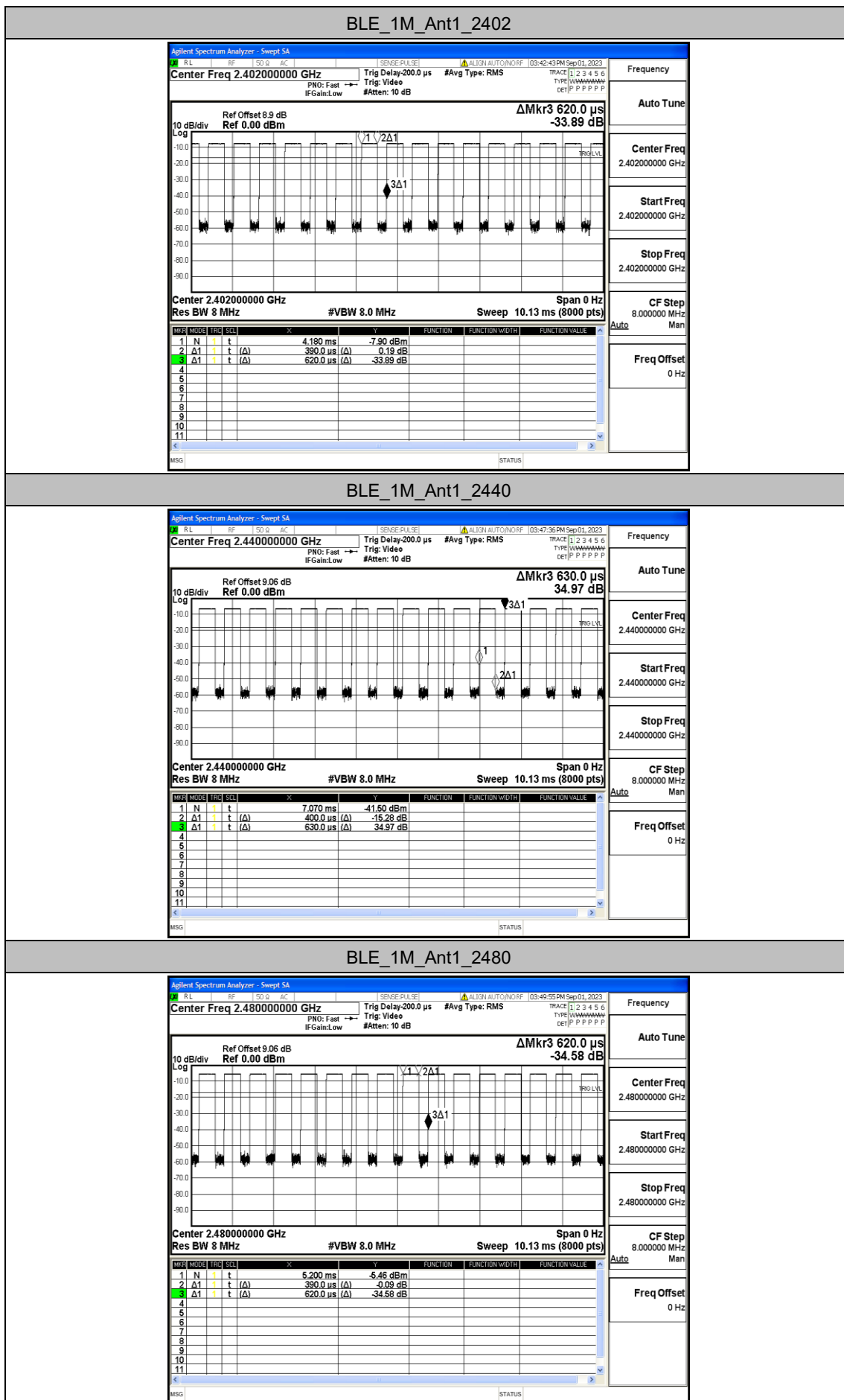


Appendix G: Duty Cycle

Test Result

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

Test Graphs



Appendix H: Emissions in Restricted Bands

Test Result

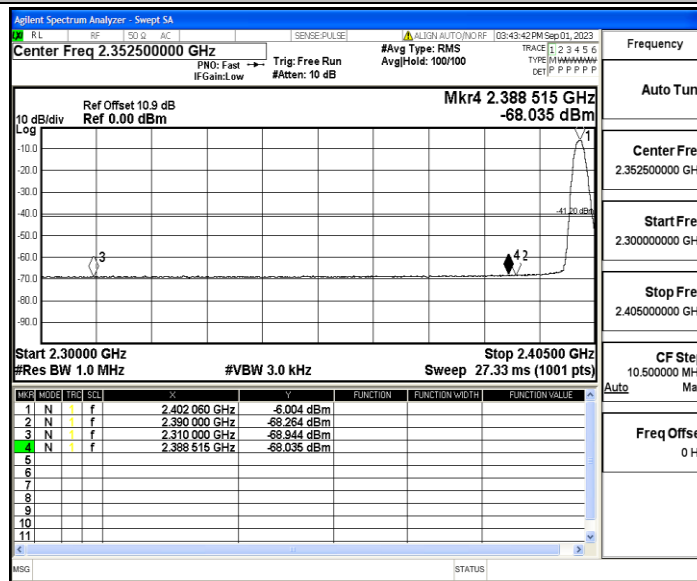
TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	AV	2310.000	-68.94	≤-41.20	PASS
				AV	2388.515	-68.04	≤-41.20	PASS
				AV	2390.000	-68.26	≤-41.20	PASS
				Peak	2310.000	-63.26	≤-21.20	PASS
				Peak	2388.830	-57.47	≤-21.20	PASS
				Peak	2390.000	-62.24	≤-21.20	PASS
		High	2480	AV	2483.500	-60.35	≤-41.20	PASS
				AV	2483.520	-60.35	≤-41.20	PASS
				AV	2500.000	-67.82	≤-41.20	PASS
				Peak	2483.500	-56.09	≤-21.20	PASS
				Peak	2483.600	-55.61	≤-21.20	PASS
				Peak	2500.000	-62.04	≤-21.20	PASS

Note:

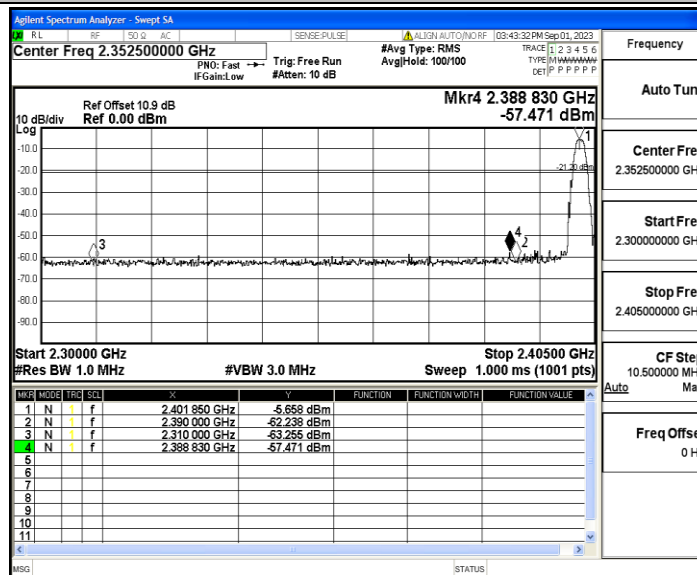
1. The Antenna Gain is compensated in the graph with 2dBi and Antenna Gain which is Higher.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

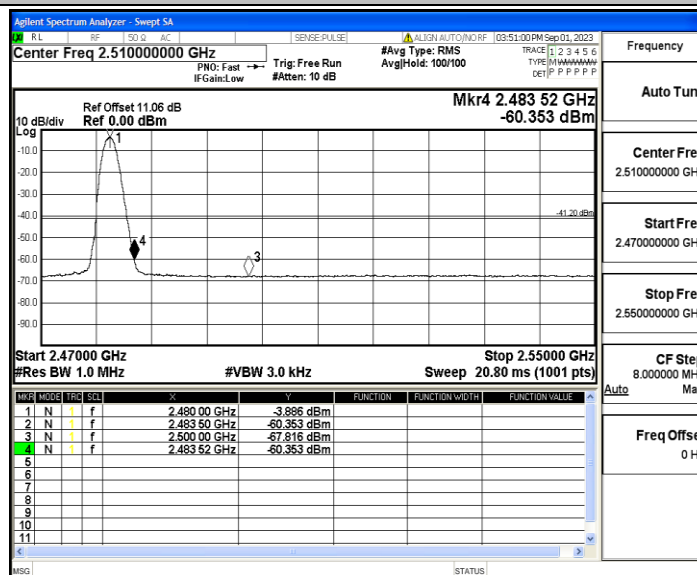
BLE_1M_Ant1_Low_2402_AV



BLE_1M_Ant1_Low_2402_Peak



BLE_1M_Ant1_High_2480_AV



BLE_1M_Ant1_High_2480_Peak

