

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

Product Name: TABLET

Trade Mark: FLY

Test Model: X_TAB8

FCC ID: 2BCQ3-XTAB8

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

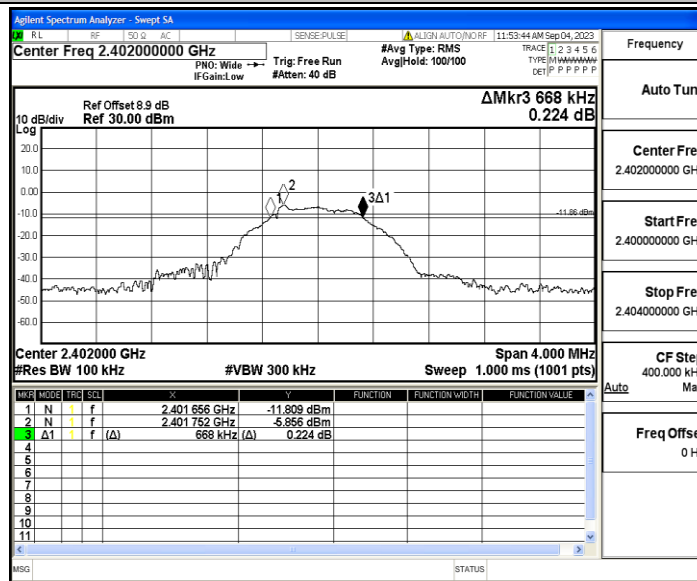
Appendix A: DTS Bandwidth

Test Result

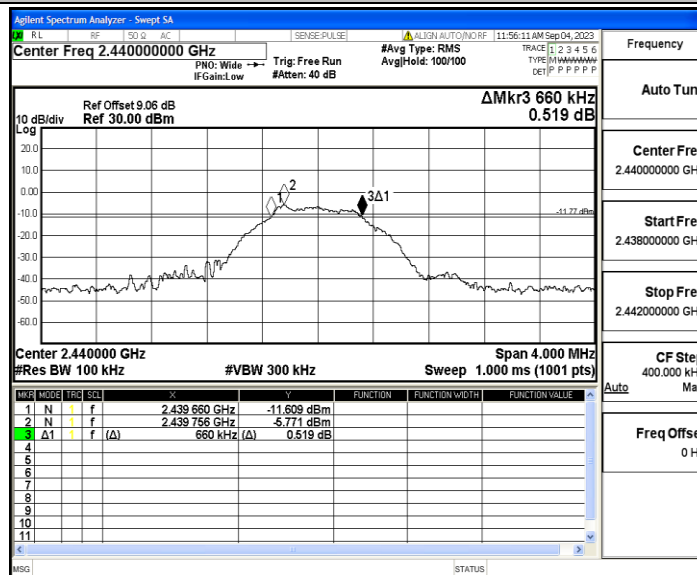
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.668	2401.656	2402.324	0.5	PASS
		2440	0.660	2439.660	2440.320	0.5	PASS
		2480	0.668	2479.656	2480.324	0.5	PASS

Test Graphs

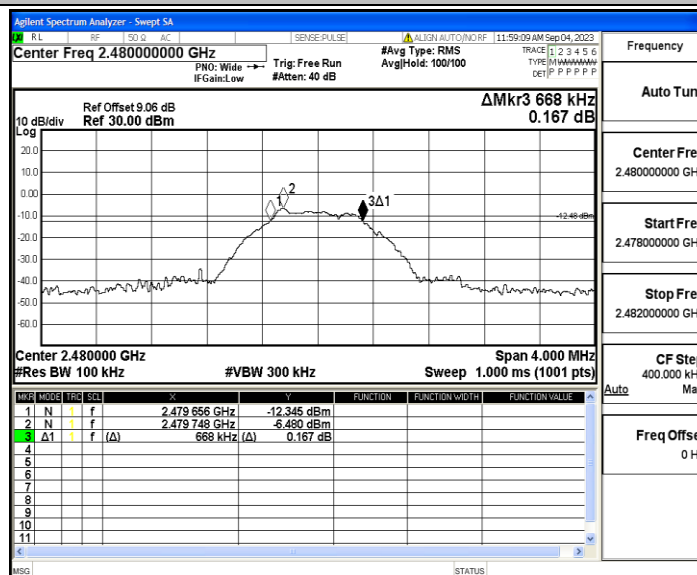
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



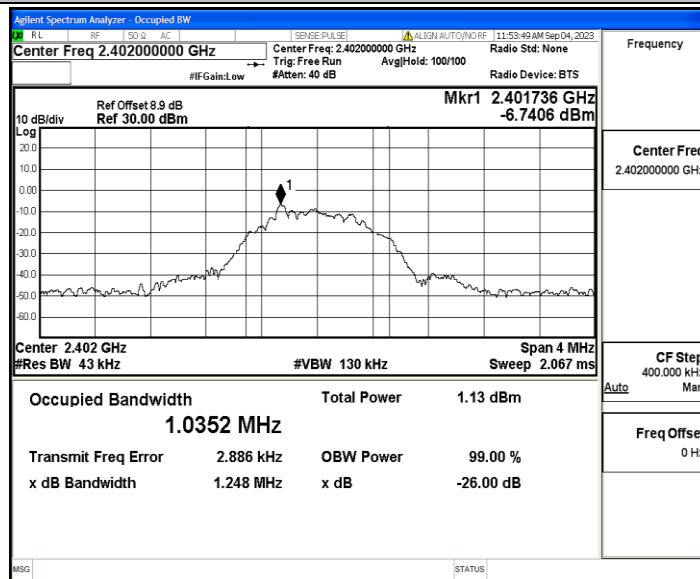
Appendix B: Occupied Channel Bandwidth

Test Result

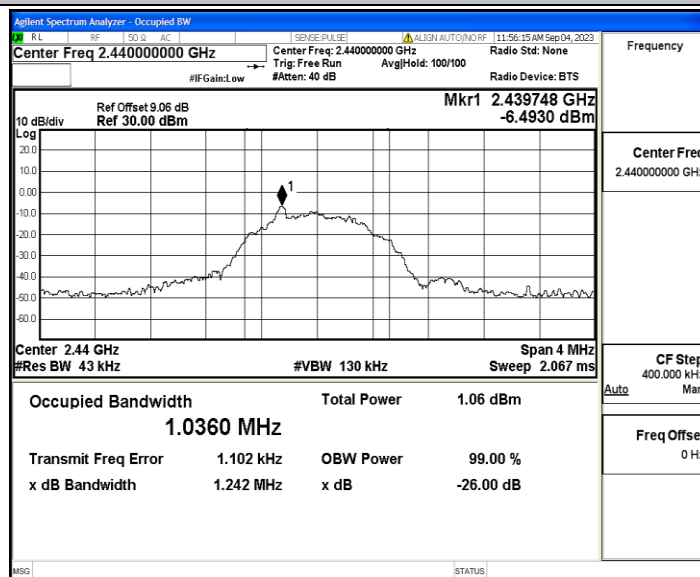
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0352	2401.4853	2402.5205	---	---
		2440	1.0360	2439.4831	2440.5191	---	---
		2480	1.0389	2479.4832	2480.5221	---	---

Test Graphs

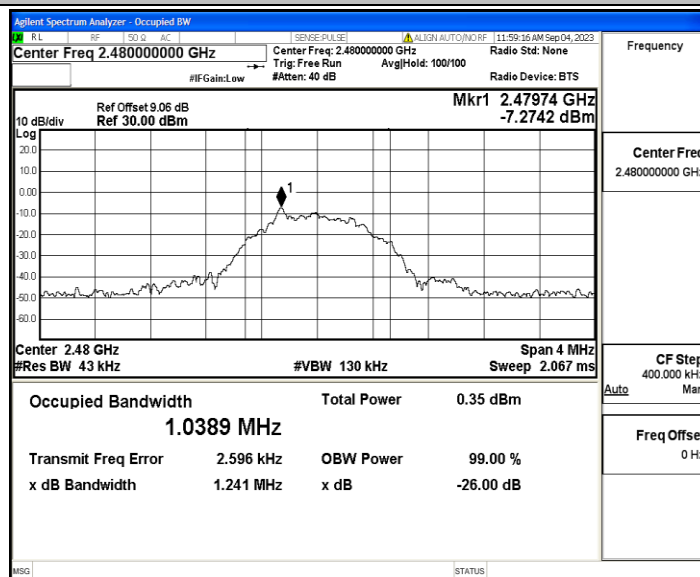
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



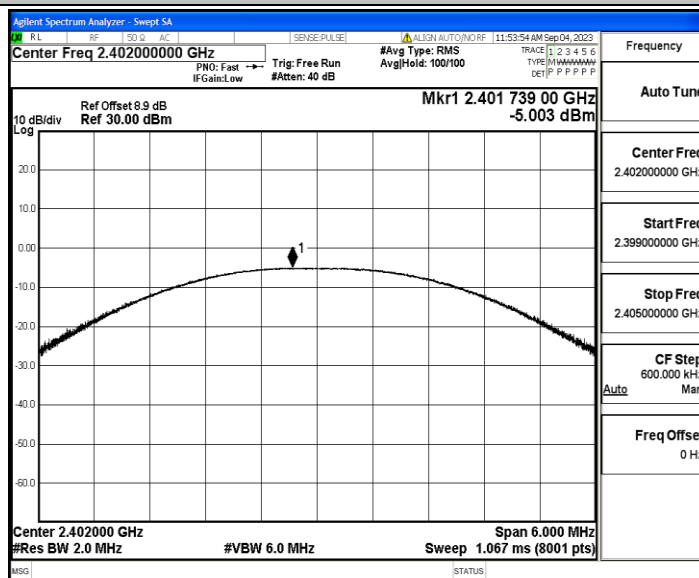
Appendix C: Maximum Peak conducted output power

Test Result

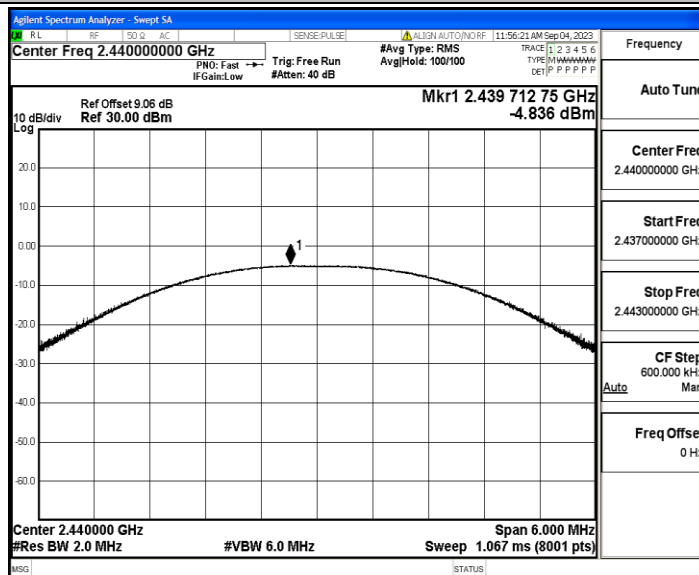
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-5	≤30	PASS
		2440	-4.84	≤30	PASS
		2480	-5.68	≤30	PASS

Test Graphs

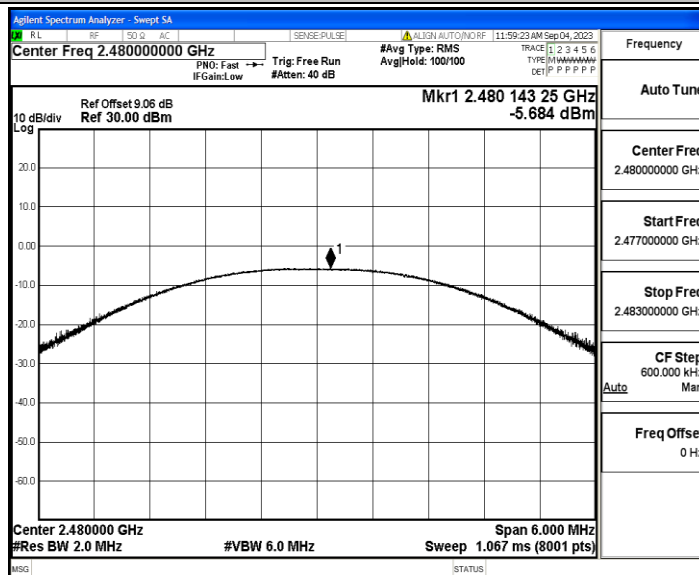
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



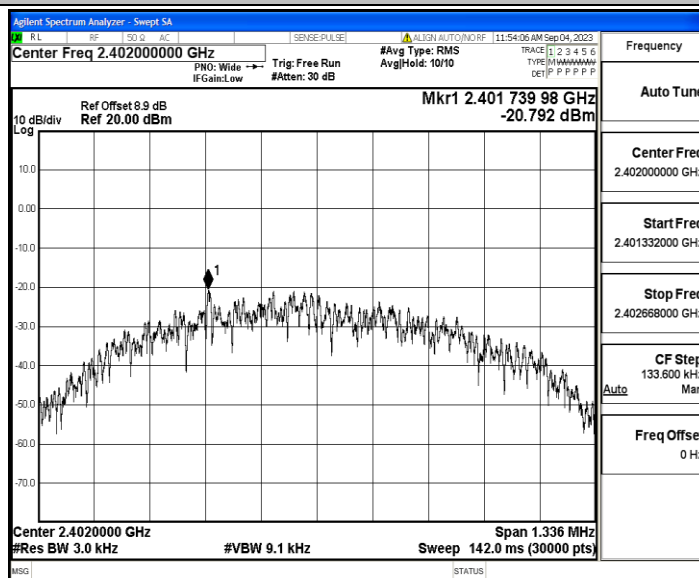
Appendix D: Maximum power spectral density

Test Result

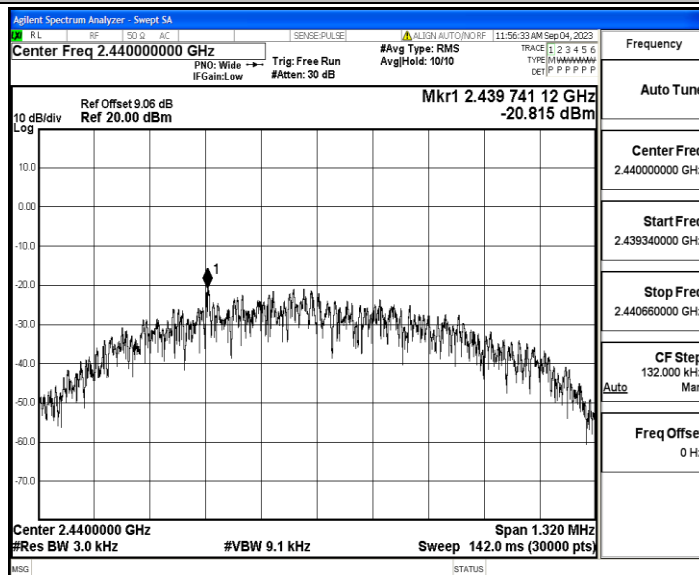
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-20.79	≤8.00	PASS
		2440	-20.82	≤8.00	PASS
		2480	-21.38	≤8.00	PASS

Test Graphs

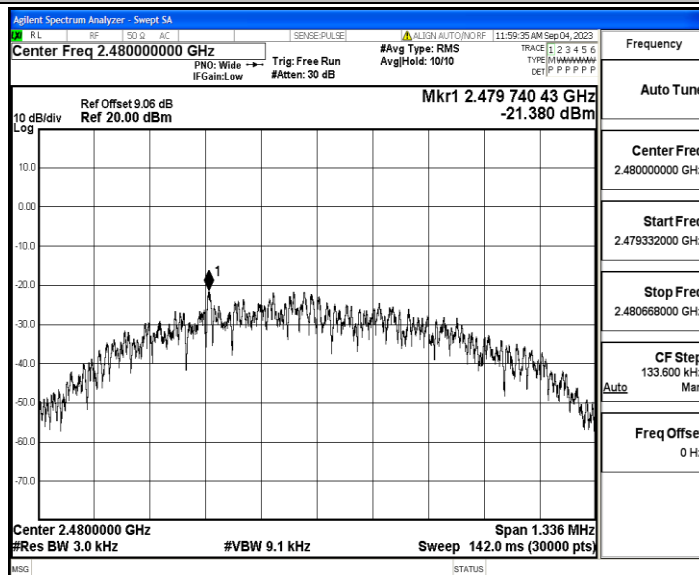
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



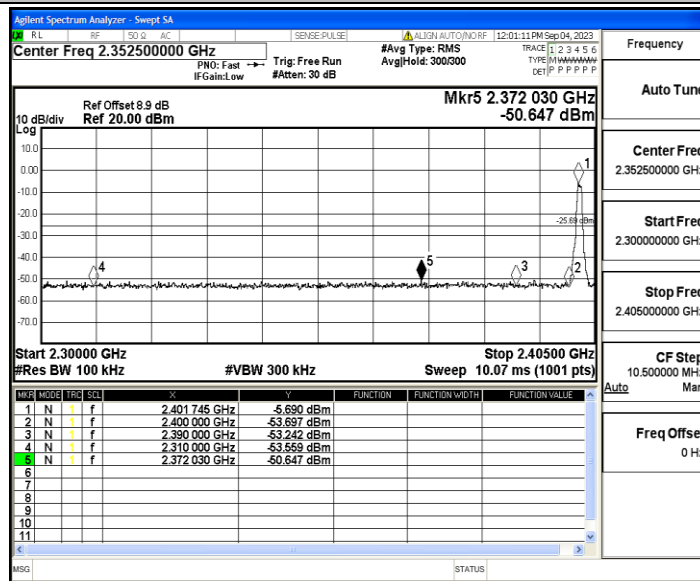
Appendix E: Band edge measurements

Test Result

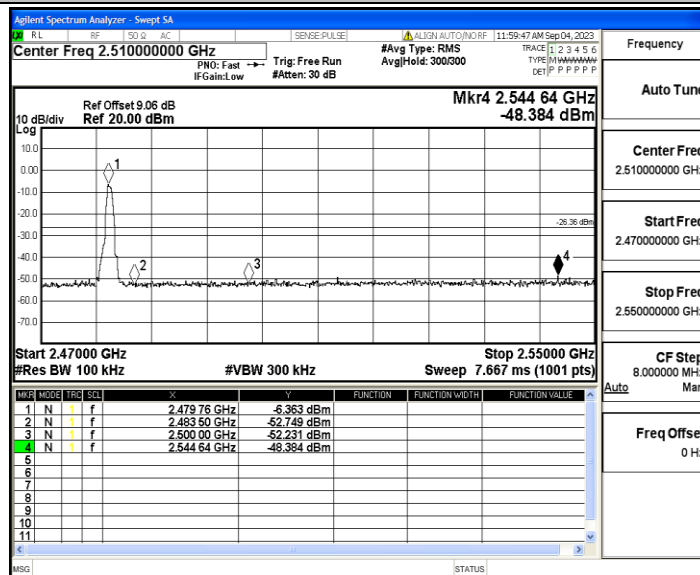
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-5.69	-50.65	≤-25.69	PASS
		High	2480	-6.36	-48.38	≤-26.36	PASS

Test Graphs

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480



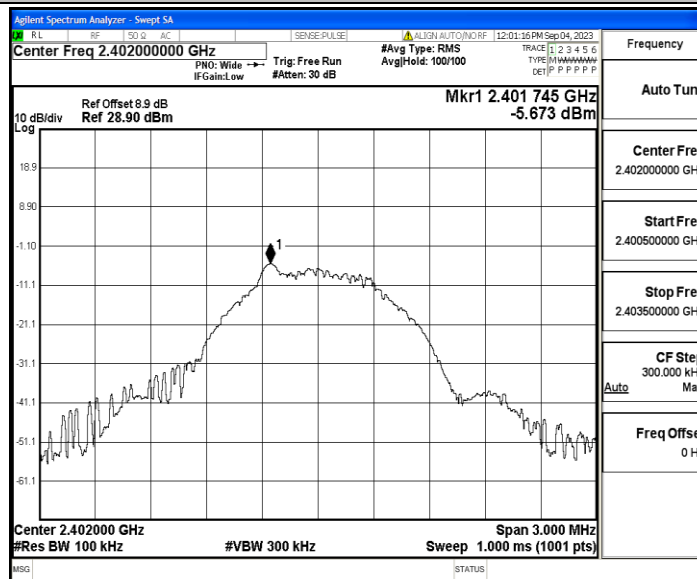
Appendix F: Conducted Spurious Emission

Test Result

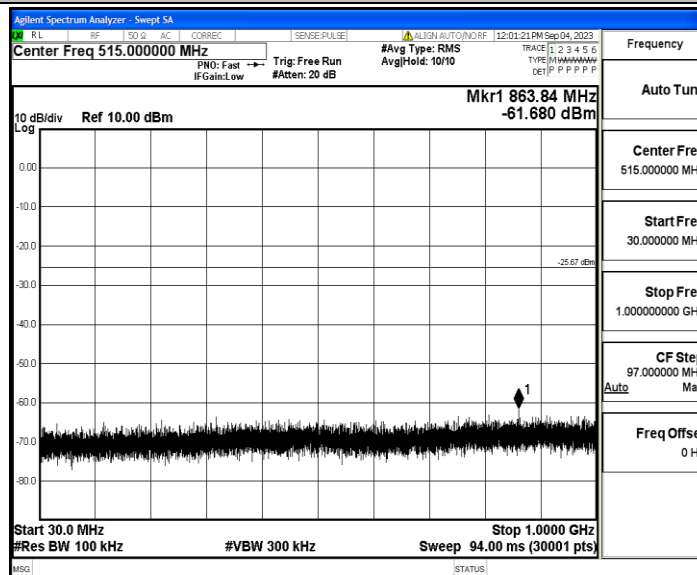
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-5.67	-5.67	---	PASS
			30~1000	-5.67	-61.68	≤-25.67	PASS
			1000~26500	-5.67	-50.74	≤-25.67	PASS
		2440	Reference	-5.64	-5.64	---	PASS
			30~1000	-5.64	-62.69	≤-25.64	PASS
			1000~26500	-5.64	-50.47	≤-25.64	PASS
		2480	Reference	-6.37	-6.37	---	PASS
			30~1000	-6.37	-62.68	≤-26.37	PASS
			1000~26500	-6.37	-50.53	≤-26.37	PASS

Test Graphs

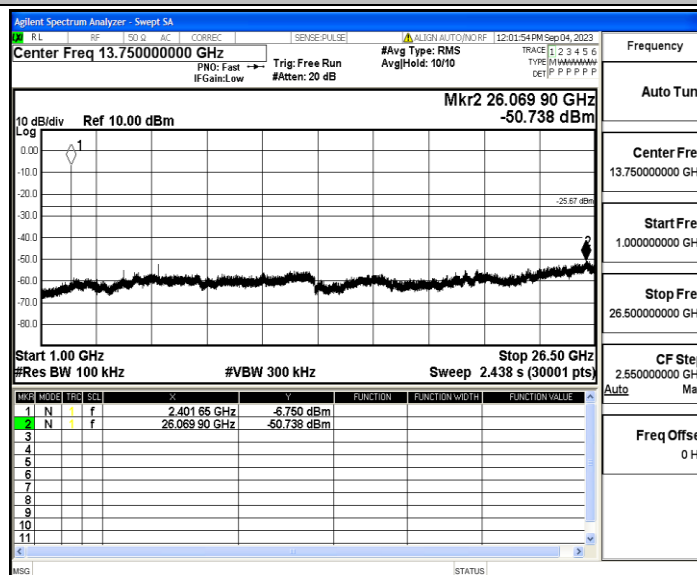
BLE_1M_Ant1_2402_0~Reference



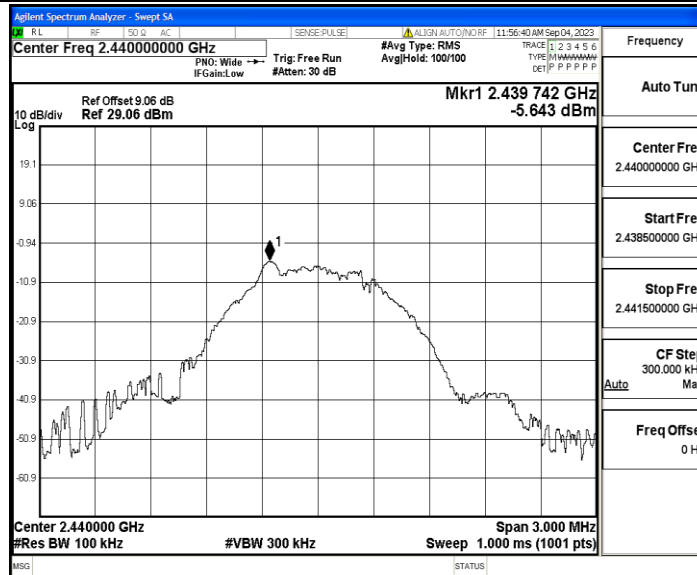
BLE_1M_Ant1_2402_30~1000



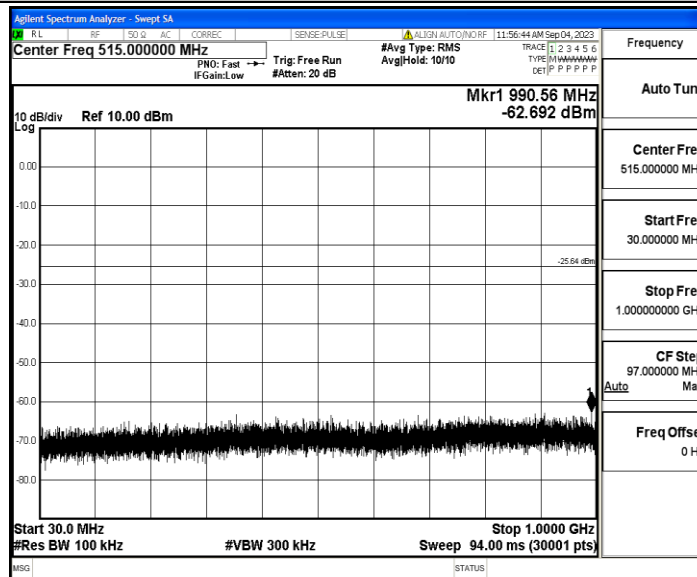
BLE_1M_Ant1_2402_1000~26500



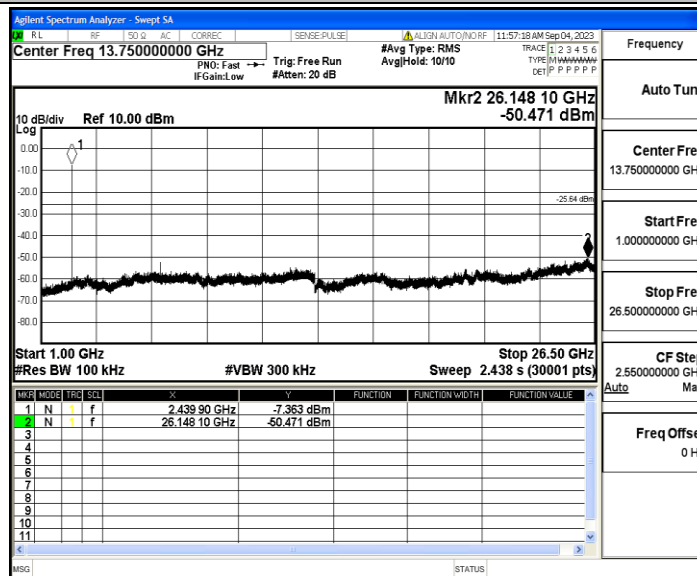
BLE_1M_Ant1_2440_0~Reference



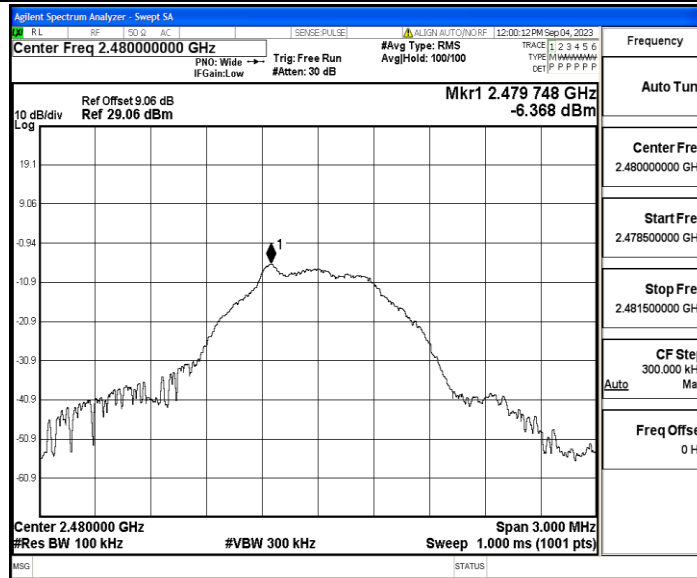
BLE_1M_Ant1_2440_30~1000



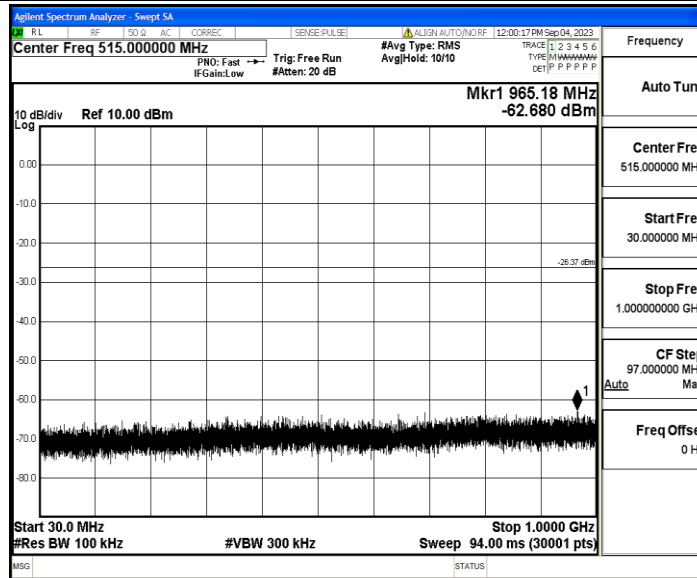
BLE_1M_Ant1_2440_1000~26500



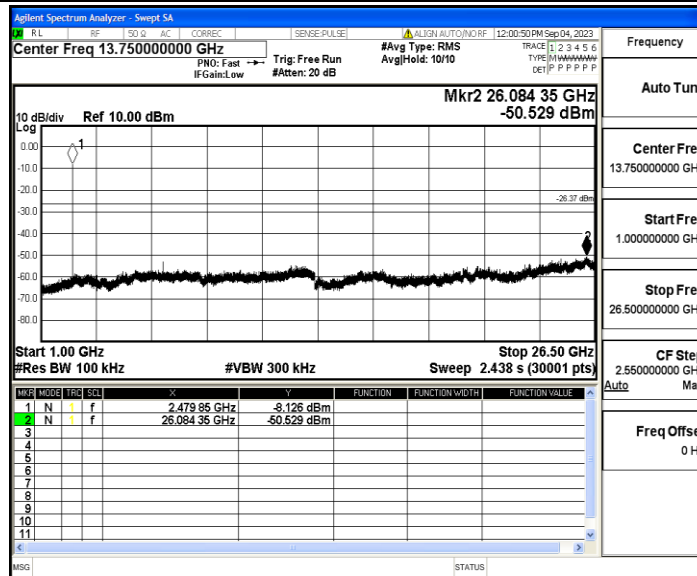
BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500



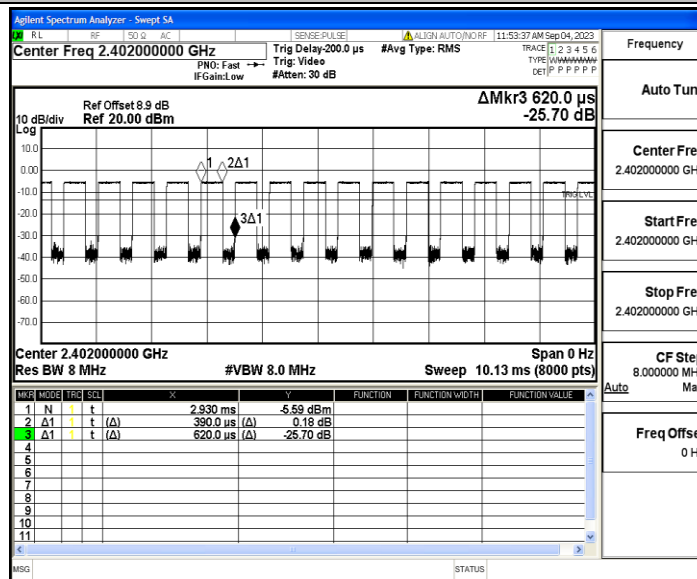
Appendix G: Duty Cycle

Test Result

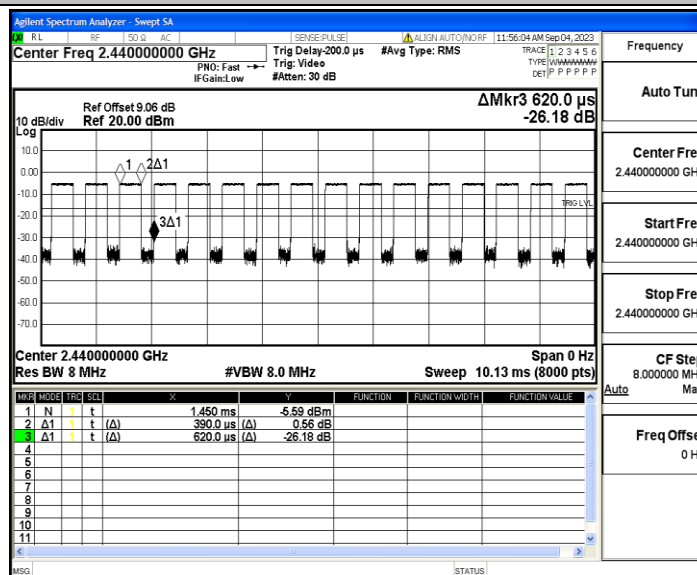
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
BLE_1M	Ant1	2402	0.39	0.62	62.90	2.56
		2440	0.39	0.62	62.90	2.56
		2480	0.39	0.62	62.90	2.56

Test Graphs

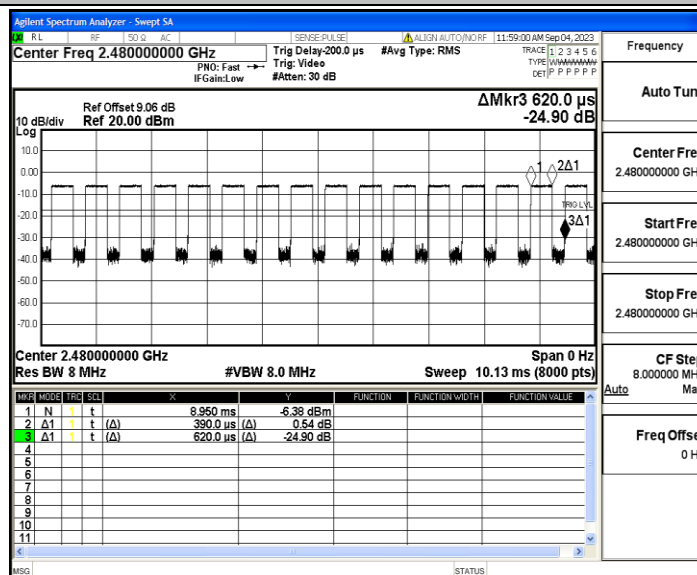
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



Appendix H: Emissions in Restricted Bands

Test Result

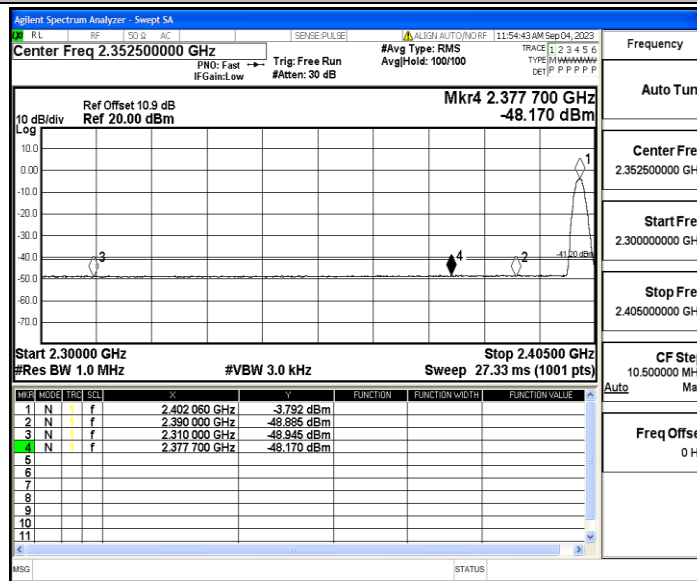
TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	AV	2310.000	-48.95	≤-41.20	PASS
				AV	2377.700	-48.17	≤-41.20	PASS
				AV	2390.000	-48.89	≤-41.20	PASS
				Peak	2310.000	-42.39	≤-21.20	PASS
				Peak	2336.120	-38.24	≤-21.20	PASS
				Peak	2390.000	-42.69	≤-21.20	PASS
		High	2480	AV	2483.500	-48.08	≤-41.20	PASS
				AV	2487.920	-47.55	≤-41.20	PASS
				AV	2500.000	-47.9	≤-41.20	PASS
				Peak	2483.500	-40.59	≤-21.20	PASS
				Peak	2498.480	-39.38	≤-21.20	PASS
				Peak	2500.000	-42.82	≤-21.20	PASS

Note:

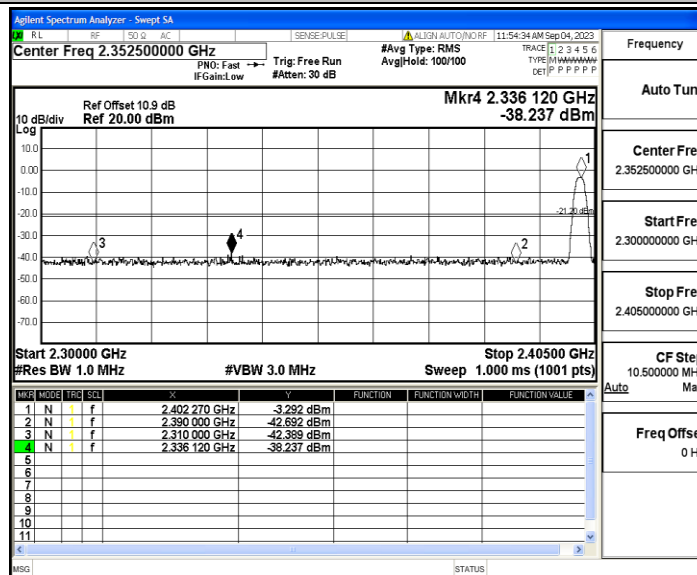
1. The Antenna Gain is compensated in the graph with 2dBi and Antenna Gain which is Higher.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

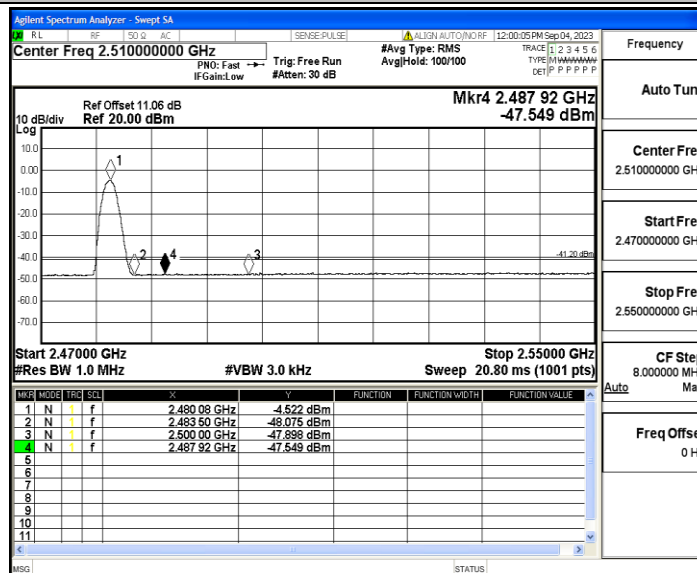
BLE_1M_Ant1_Low_2402_AV



BLE_1M_Ant1_Low_2402_Peak



BLE_1M_Ant1_High_2480_AV



BLE_1M_Ant1_High_2480_Peak

