

FCC Appendix RF Test Data for BLE

FCC ID : 2BQHT-T8620-6

Company : DAMASCO TRADING LLC

EUT : 8.4 inch Tablet

Model Number : T8620-6

Report No. : CTA25120100106

Reviewed By : Eric Wang

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.664	2401.680	2402.344	0.5	PASS
		2440	0.644	2439.692	2440.336	0.5	PASS
		2480	0.644	2479.692	2480.336	0.5	PASS
BLE_2M	Ant1	2402	1.108	2401.452	2402.560	0.5	PASS
		2440	1.144	2439.440	2440.584	0.5	PASS
		2480	1.100	2479.444	2480.544	0.5	PASS

Test Graphs





BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480

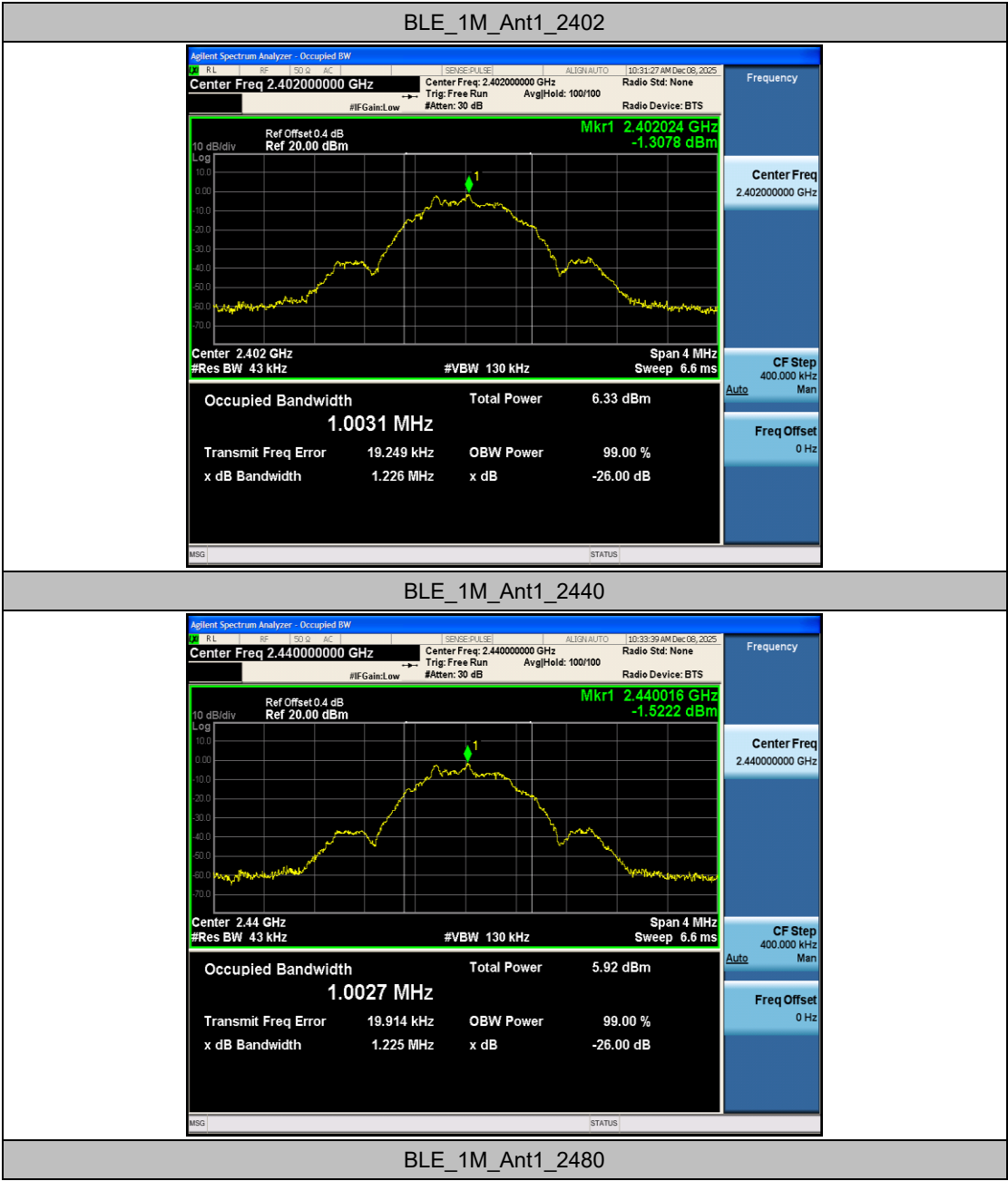


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0031	2401.5177	2402.5208	---	---
		2440	1.0027	2439.5186	2440.5213	---	---
		2480	1.0058	2479.5180	2480.5238	---	---
BLE_2M	Ant1	2402	1.9976	2401.0324	2403.0300	---	---
		2440	1.9947	2439.0318	2441.0265	---	---
		2480	1.9938	2479.0353	2481.0291	---	---

Test Graphs





BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

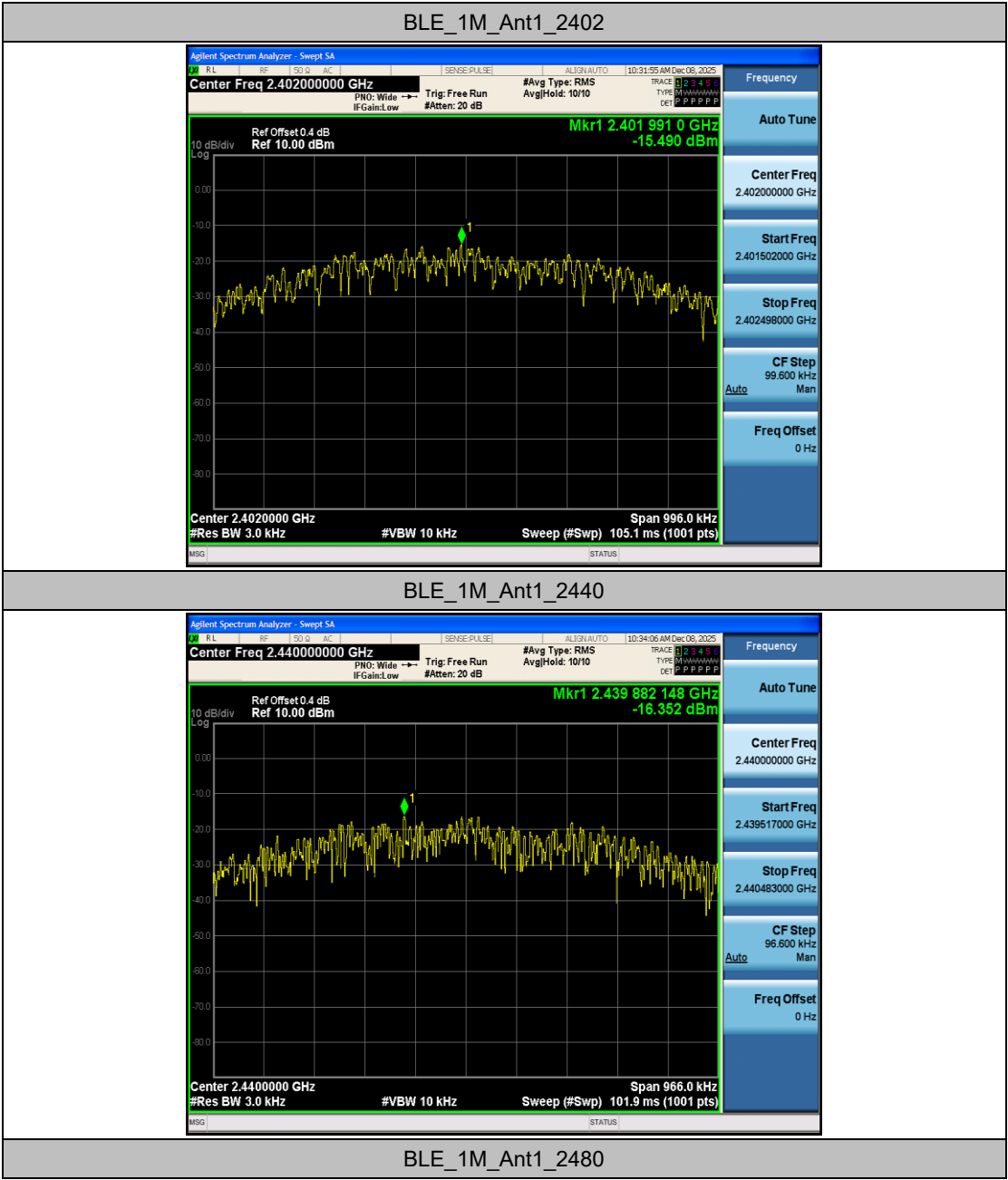
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.10	≤30	PASS
		2440	-0.27	≤30	PASS
		2480	-0.28	≤30	PASS
BLE_2M	Ant1	2402	0.11	≤30	PASS
		2440	-0.22	≤30	PASS
		2480	-0.24	≤30	PASS

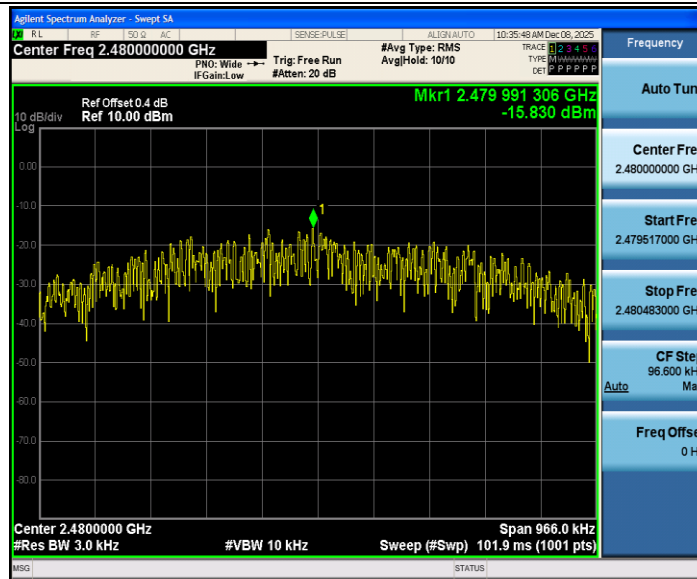
Appendix D: Maximum power spectral density

Test Result

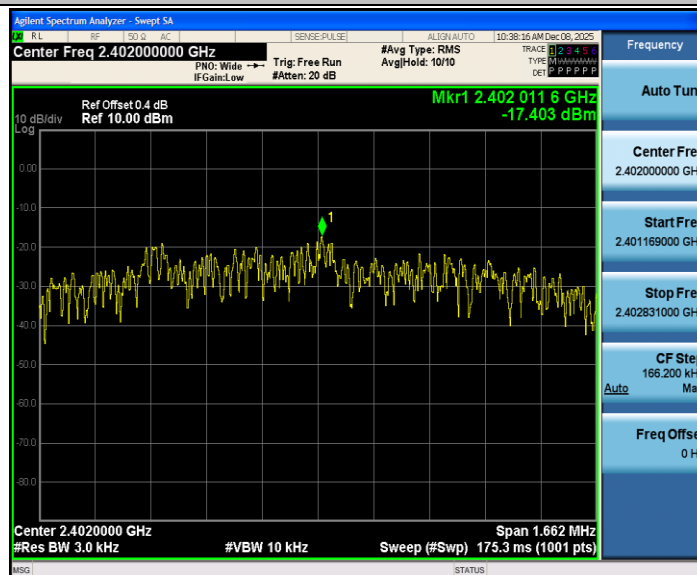
TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.49	≤8.00	PASS
		2440	-16.35	≤8.00	PASS
		2480	-15.83	≤8.00	PASS
BLE_2M	Ant1	2402	-17.40	≤8.00	PASS
		2440	-18.24	≤8.00	PASS
		2480	-17.66	≤8.00	PASS

Test Graphs

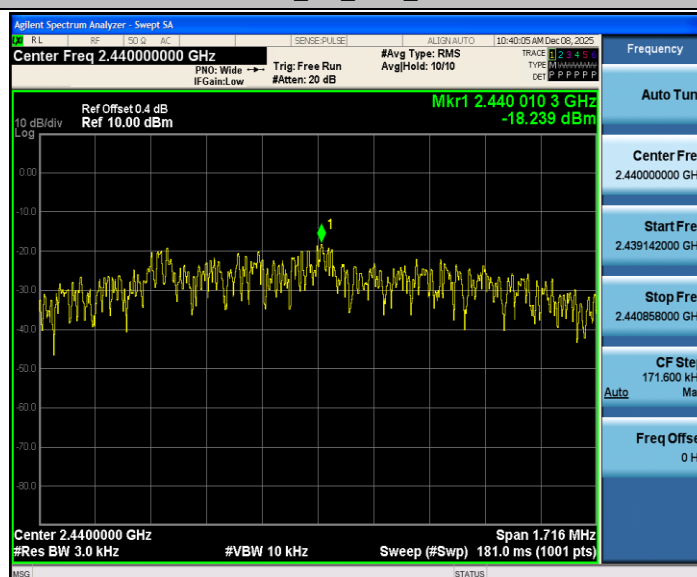




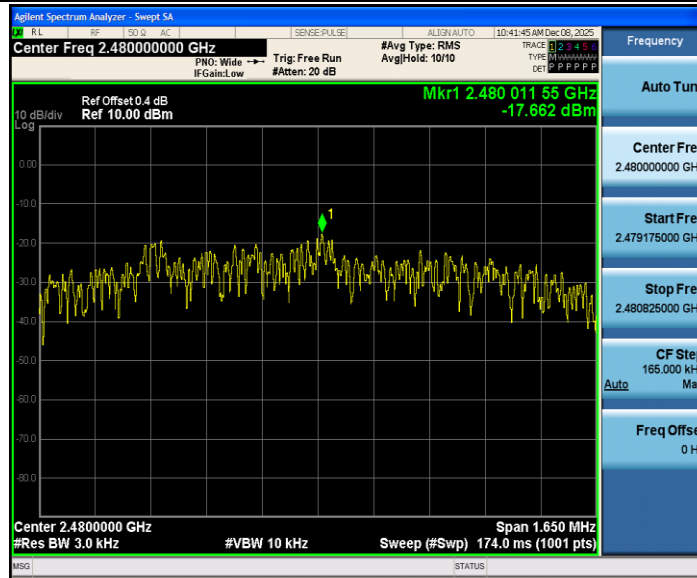
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480

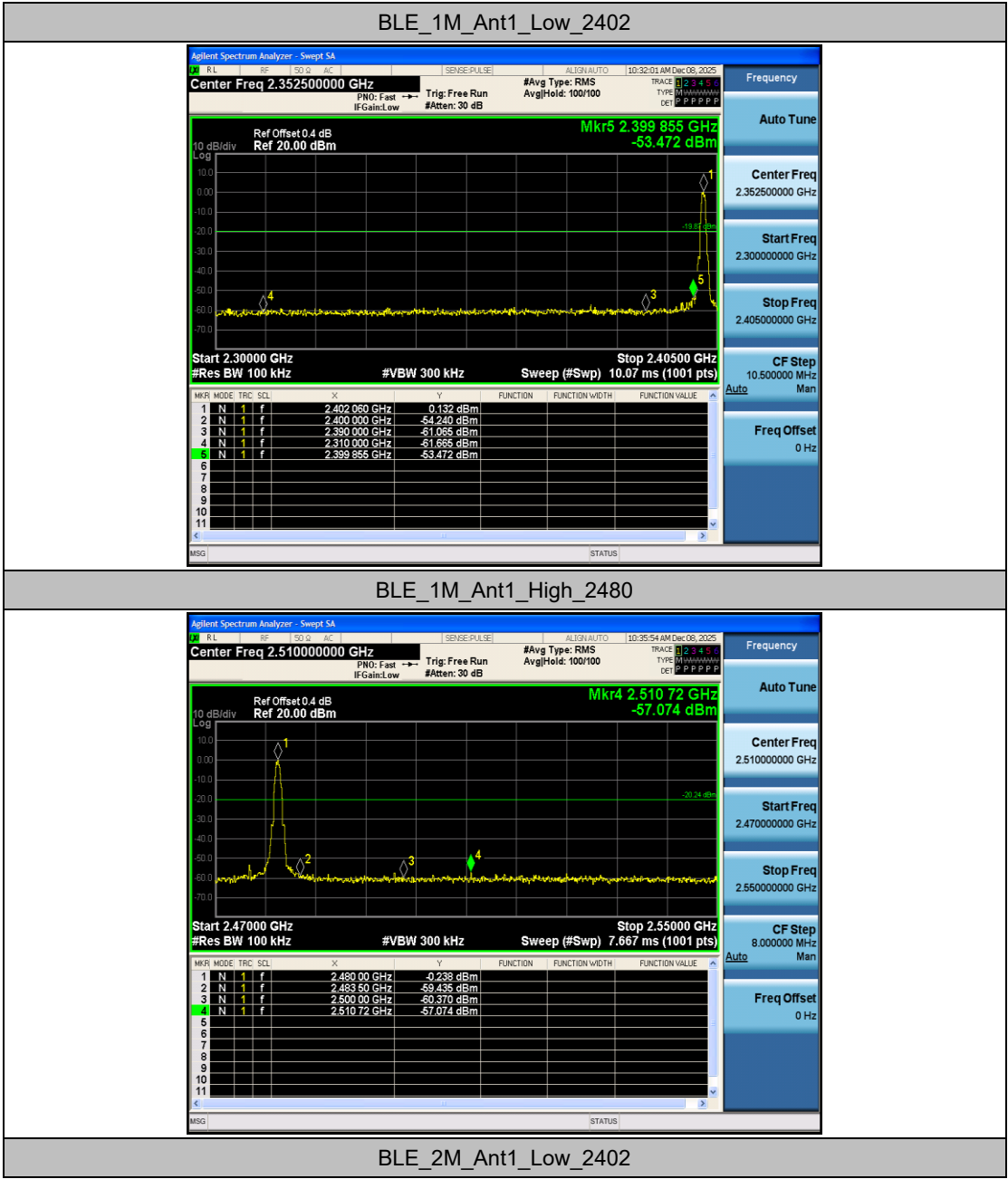


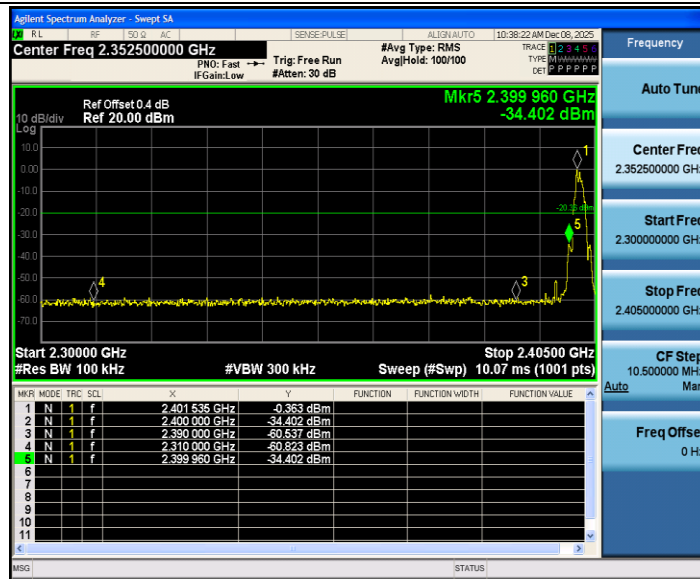
Appendix E: Band edge measurements

Test Result

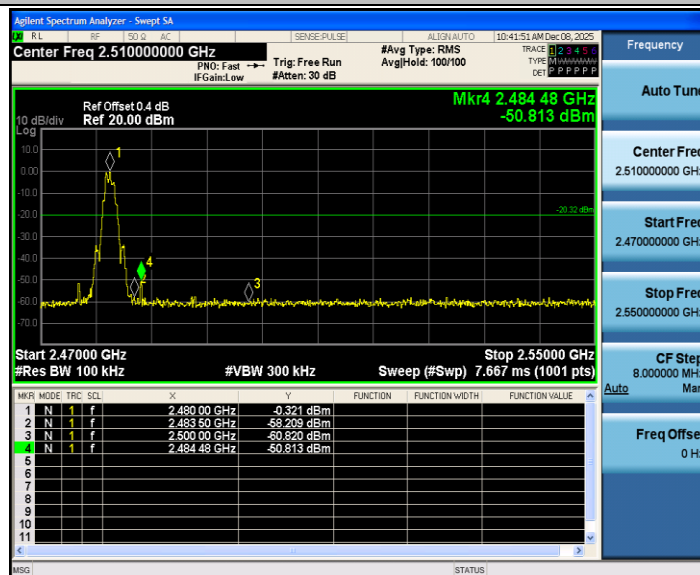
TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	0.13	-53.47	≤-19.87	PASS
		High	2480	-0.24	-57.07	≤-20.24	PASS
BLE_2M	Ant1	Low	2402	-0.36	-34.4	≤-20.36	PASS
		High	2480	-0.32	-50.81	≤-20.32	PASS

Test Graphs





BLE_2M_Ant1_High_2480

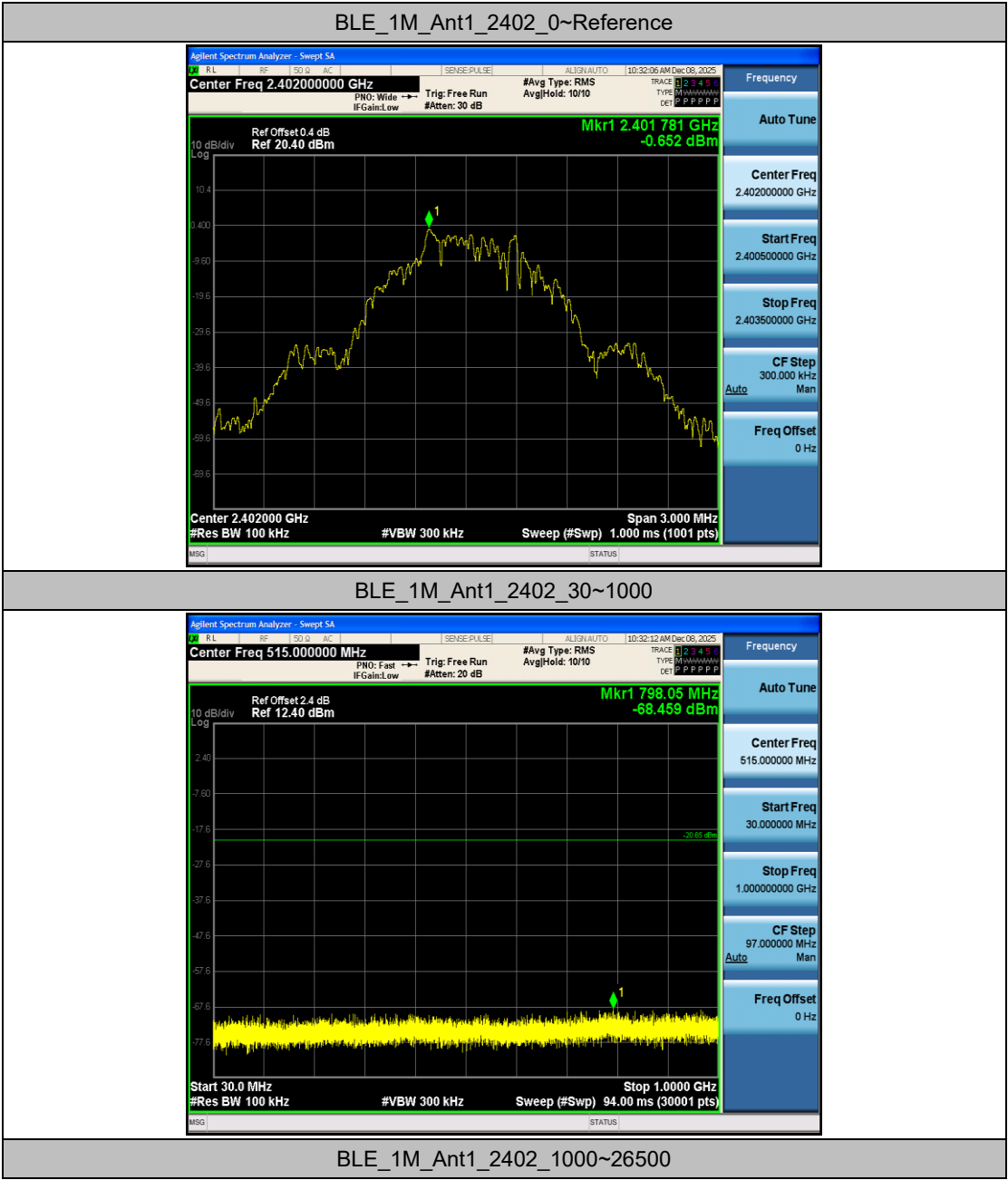


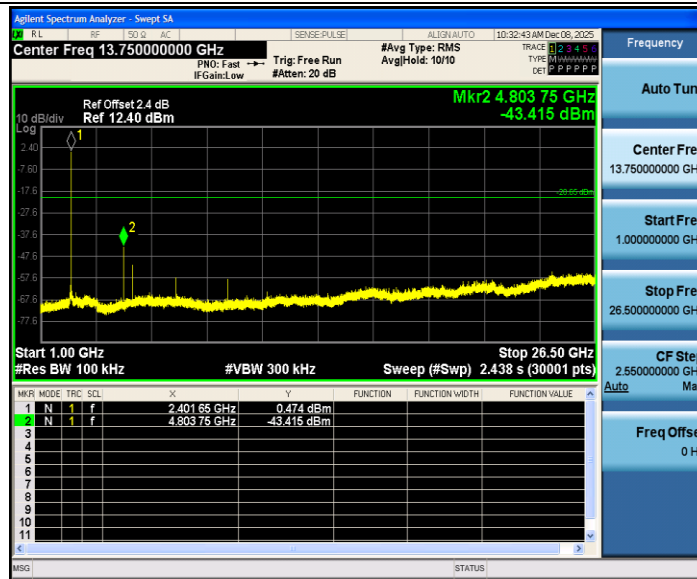
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.65	-0.65	---	PASS
			30~1000	-0.65	-68.46	≤-20.65	PASS
			1000~26500	-0.65	-43.42	≤-20.65	PASS
		2440	Reference	-1.74	-1.74	---	PASS
			30~1000	-1.74	-67.01	≤-21.74	PASS
			1000~26500	-1.74	-42.16	≤-21.74	PASS
		2480	Reference	-1.08	-1.08	---	PASS
			30~1000	-1.08	-61.25	≤-21.08	PASS
			1000~26500	-1.08	-42.48	≤-21.08	PASS
BLE_2M	Ant1	2402	Reference	-2.21	-2.21	---	PASS
			30~1000	-2.21	-64.71	≤-22.21	PASS
			1000~26500	-2.21	-41.37	≤-22.21	PASS
		2440	Reference	-0.85	-0.85	---	PASS
			30~1000	-0.85	-67.5	≤-20.85	PASS
			1000~26500	-0.85	-42.76	≤-20.85	PASS
		2480	Reference	-1.16	-1.16	---	PASS
			30~1000	-1.16	-67.83	≤-21.16	PASS
			1000~26500	-1.16	-42.93	≤-21.16	PASS

Test Graphs

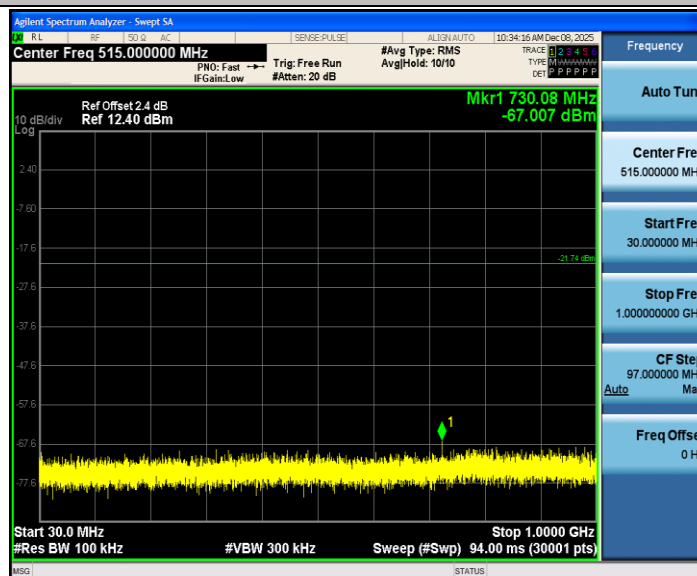




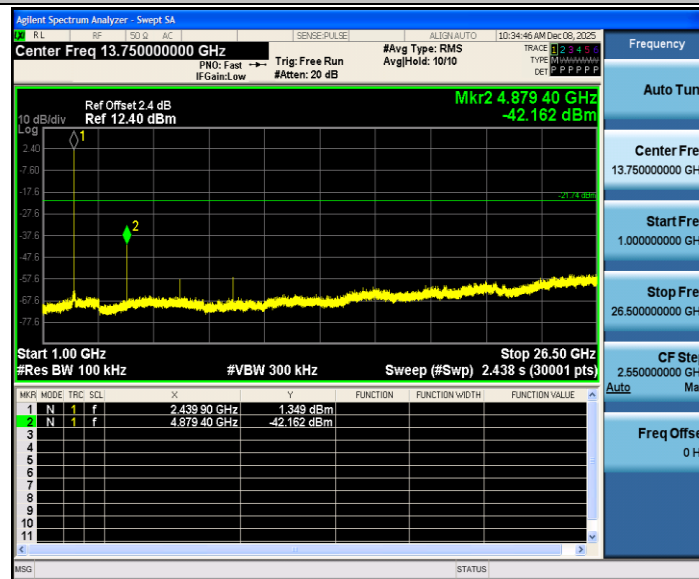
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



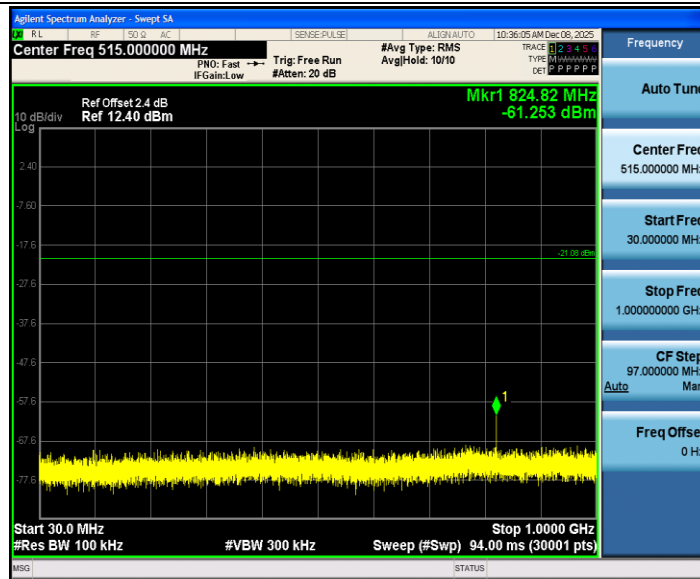
BLE_1M_Ant1_2440_1000~26500



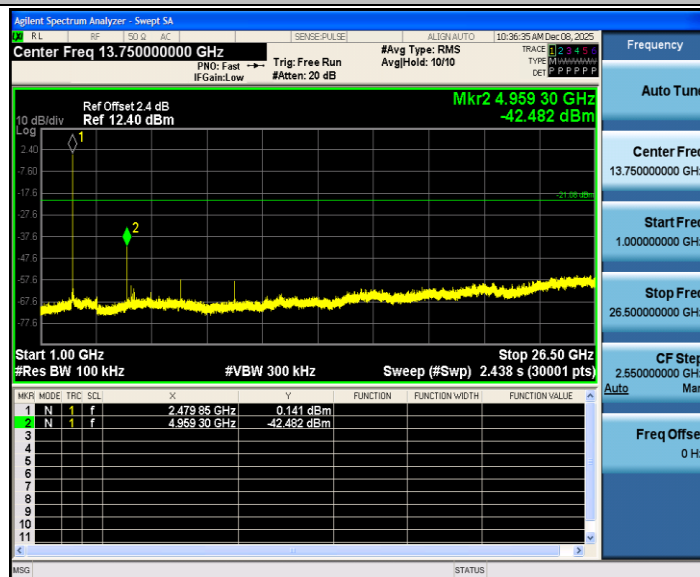
BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



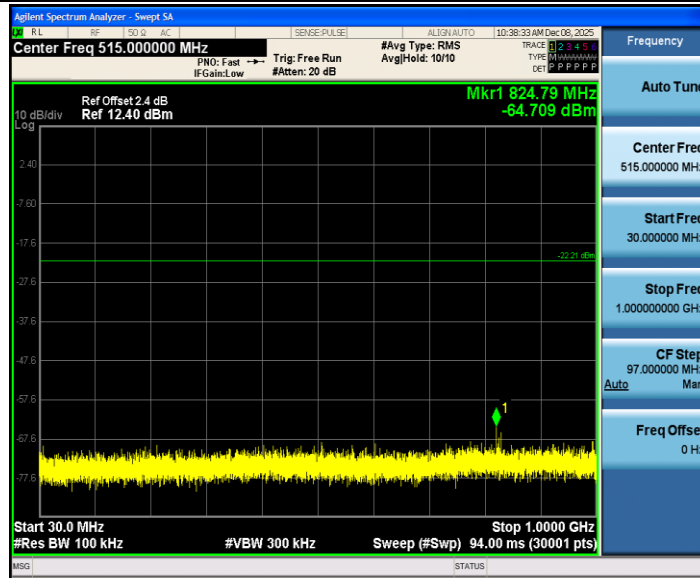
BLE_1M_Ant1_2480_1000~26500



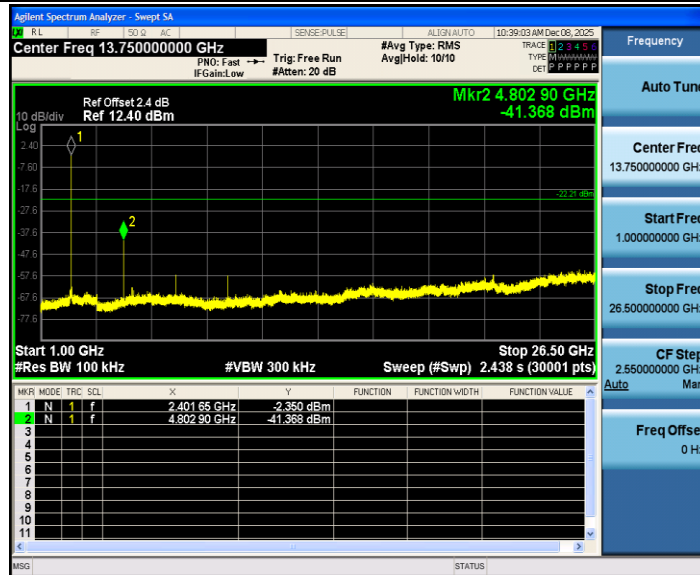
BLE_2M_Ant1_2402_0~Reference



BLE_2M_Ant1_2402_30~1000



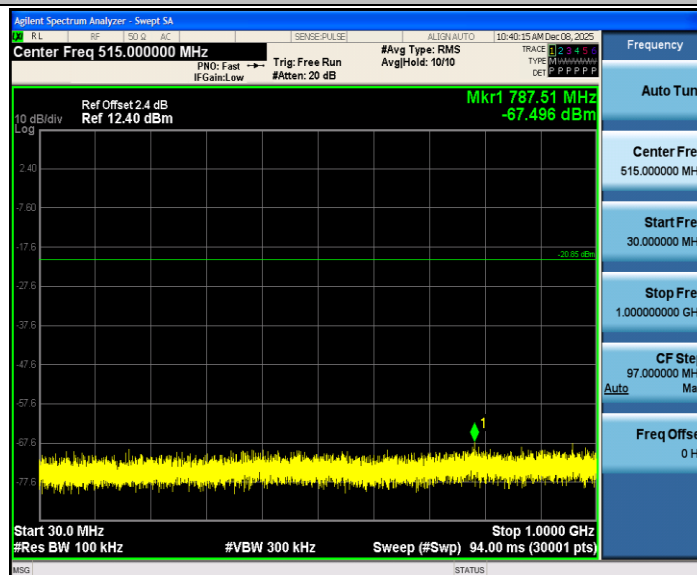
BLE_2M_Ant1_2402_1000~26500



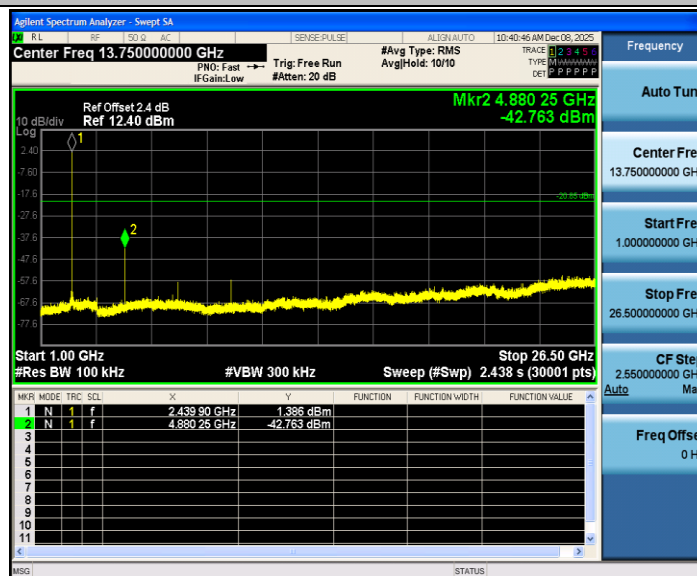
BLE_2M_Ant1_2440_0~Reference



BLE_2M_Ant1_2440_30~1000



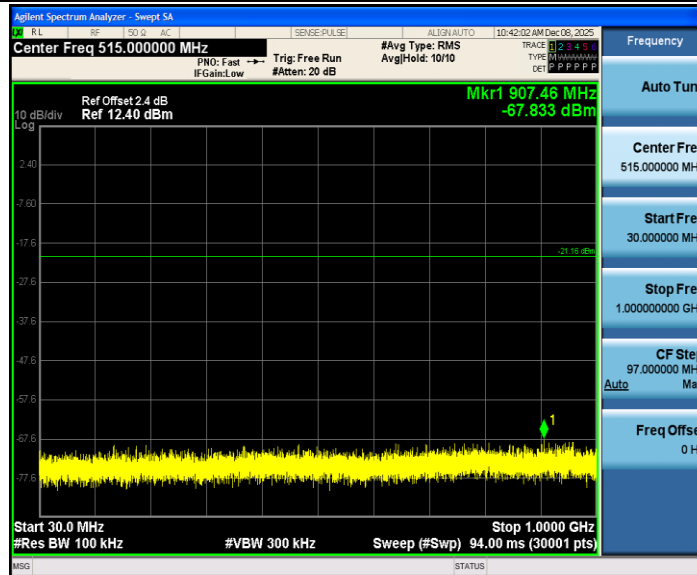
BLE_2M_Ant1_2440_1000~26500



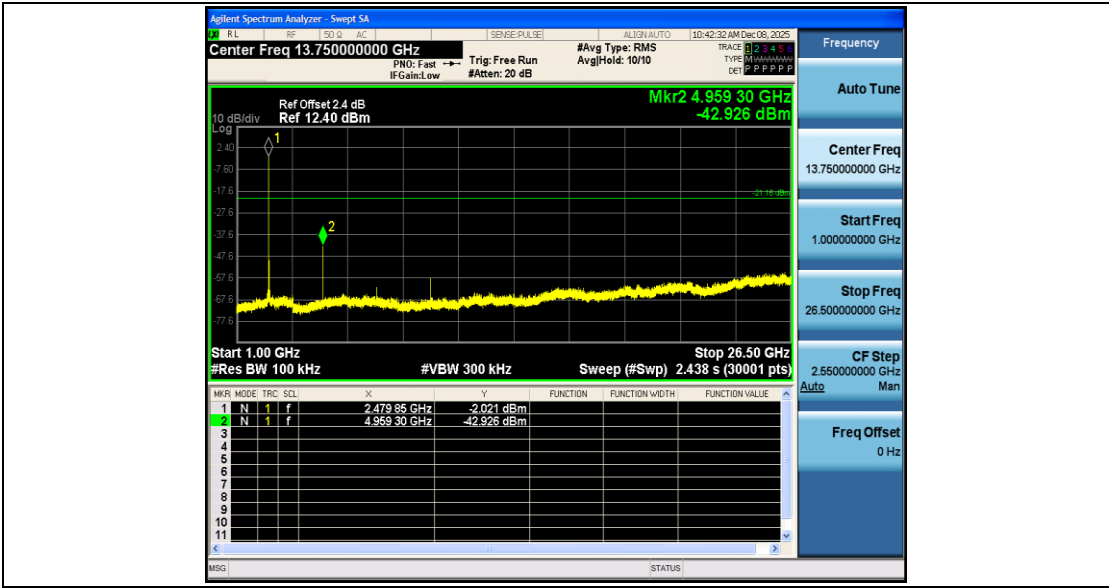
BLE_2M_Ant1_2480_0~Reference



BLE_2M_Ant1_2480_30~1000



BLE_2M_Ant1_2480_1000~26500

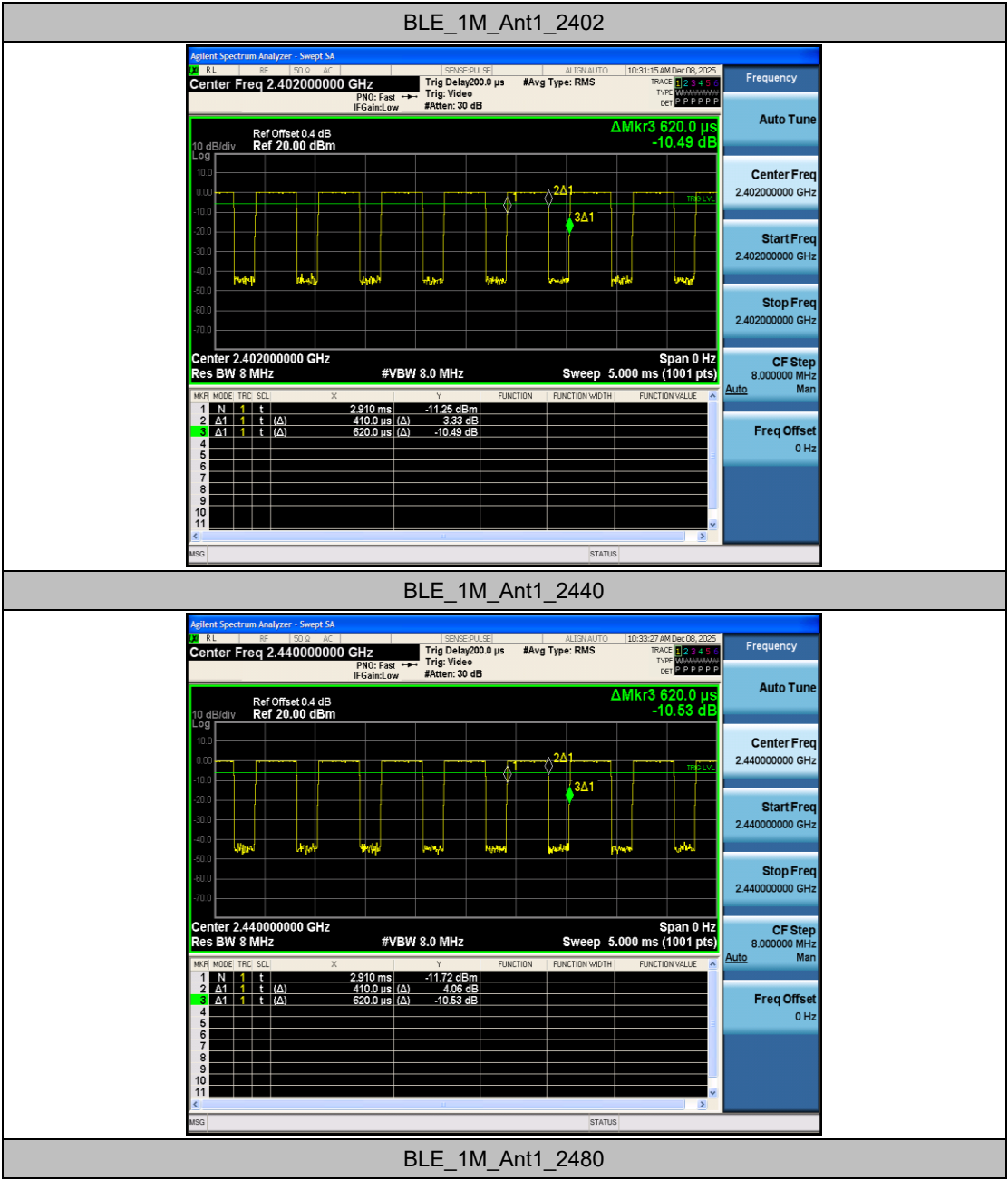


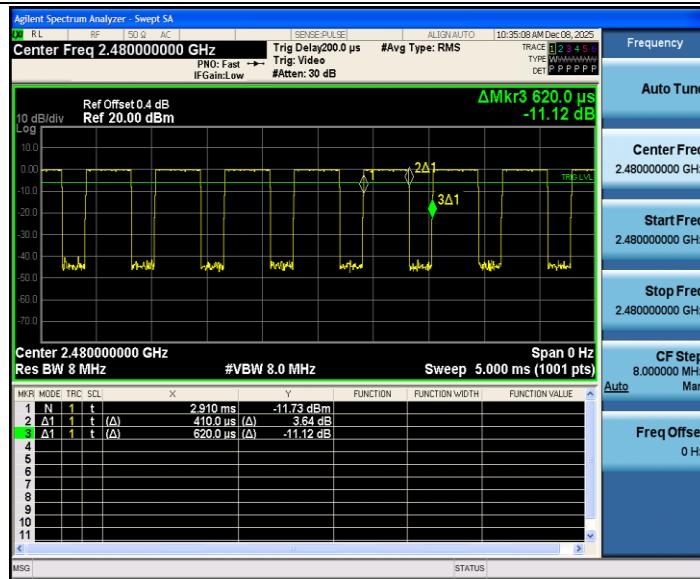
Appendix G: Duty Cycle

Test Result

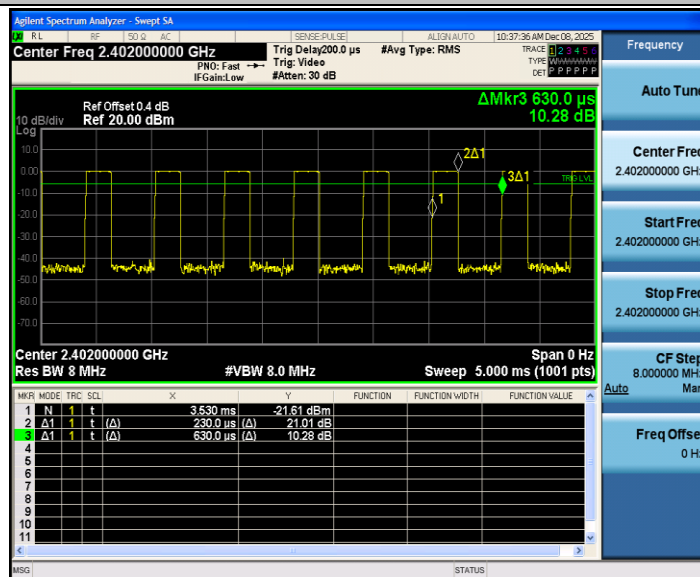
TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.41	0.62	0.6613	66.13	1.80	---	---
		2440	0.41	0.62	0.6613	66.13	1.80	---	---
		2480	0.41	0.62	0.6613	66.13	1.80	---	---
BLE_2M	Ant1	2402	0.23	0.63	0.3651	36.51	4.38	---	---
		2440	0.23	0.63	0.3651	36.51	4.38	---	---
		2480	0.23	0.63	0.3651	36.51	4.38	---	---

Test Graphs

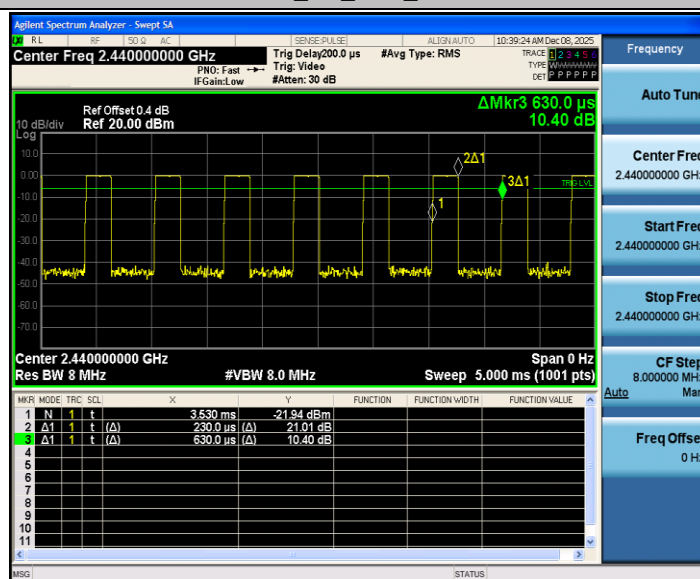




BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480

