



Appendix Test Data for BLE (Conducted Measurement)

Product Name: Bluetooth earbuds

Trade Mark: /

Test Model: BH26HT08B

FCC ID: RDR-HT08BL

Environmental Conditions

Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

Appendix A: DTS Bandwidth

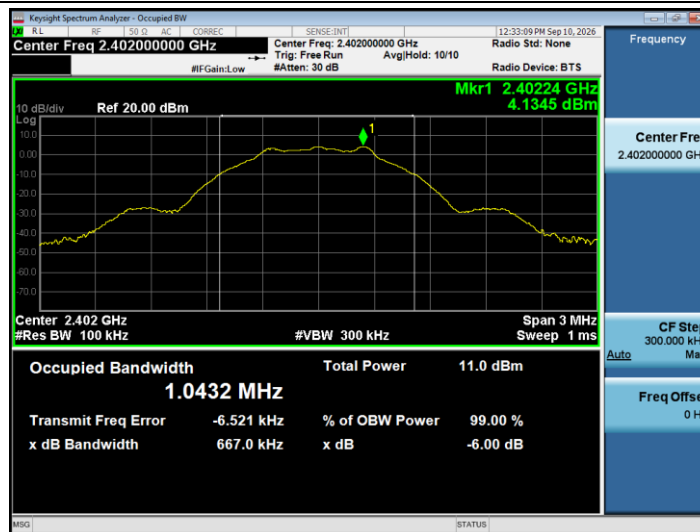
Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	0.667	≥0.500	PASS
	Ant1	2440	0.660	≥0.500	PASS
	Ant1	2480	0.666	≥0.500	PASS
BLE_2M	Ant1	2402	1.372	≥0.500	PASS
	Ant1	2440	1.394	≥0.500	PASS
	Ant1	2480	1.390	≥0.500	PASS





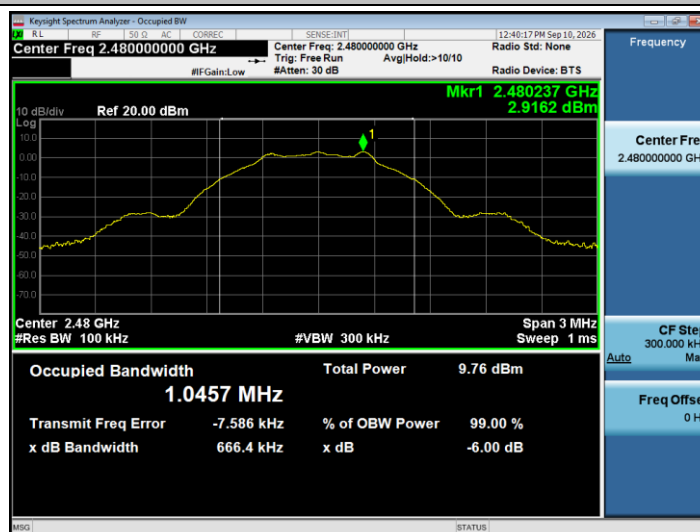
Test Graphs



BLE_1M_Ant1_2402

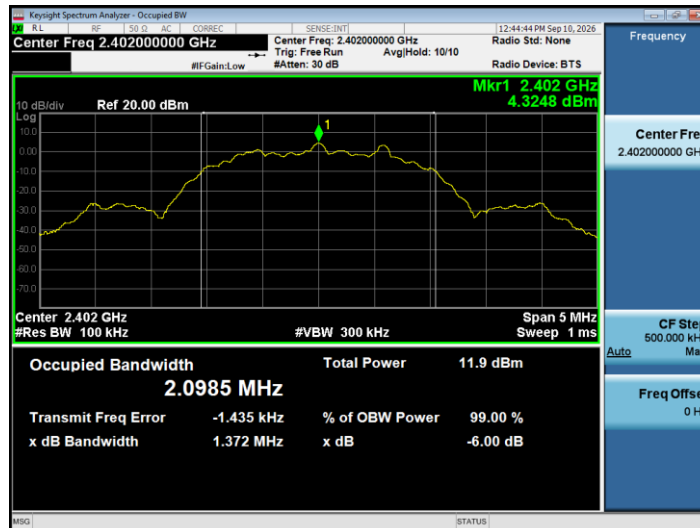


BLE_1M_Ant1_2440

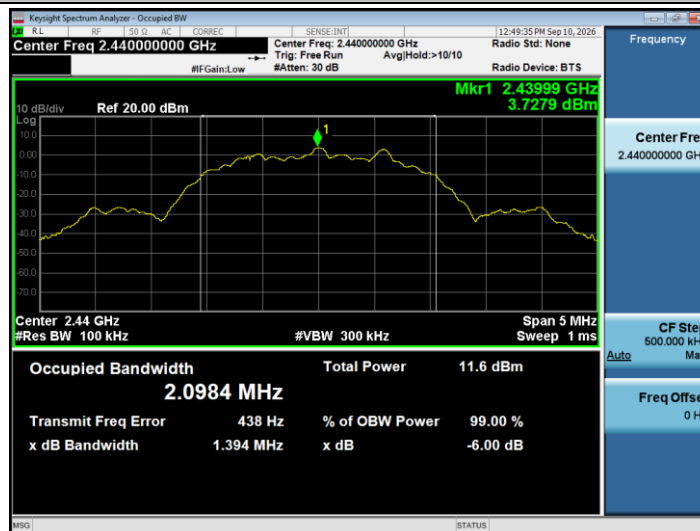


BLE_1M_Ant1_2480

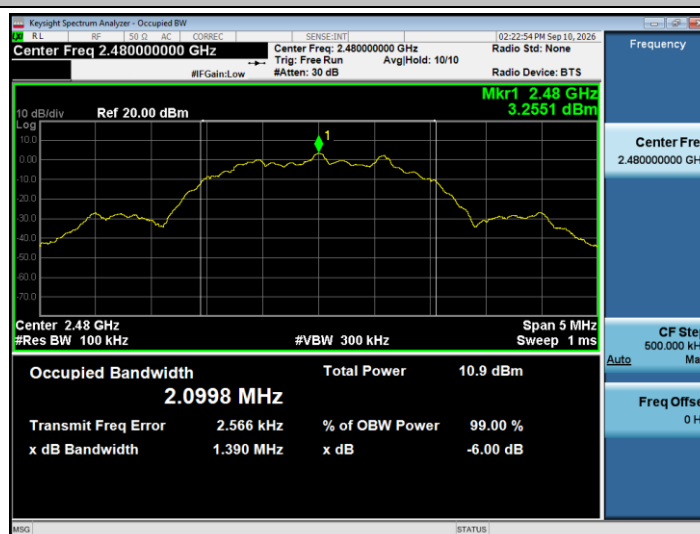




BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480





Appendix B: Occupied Channel Bandwidth

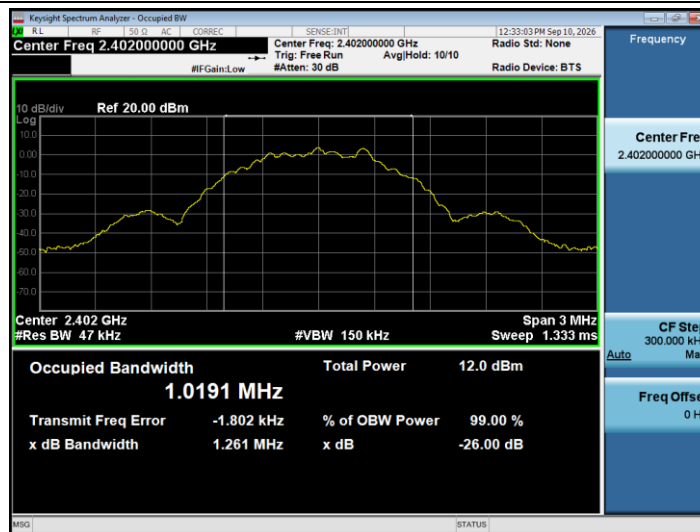
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	-26dB EBW [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	1.019	1.261	---	---
	Ant1	2440	1.020	1.262	---	---
	Ant1	2480	1.018	1.263	---	---
BLE_2M	Ant1	2402	2.093	2.411	---	---
	Ant1	2440	2.092	2.409	---	---
	Ant1	2480	2.093	2.411	---	---





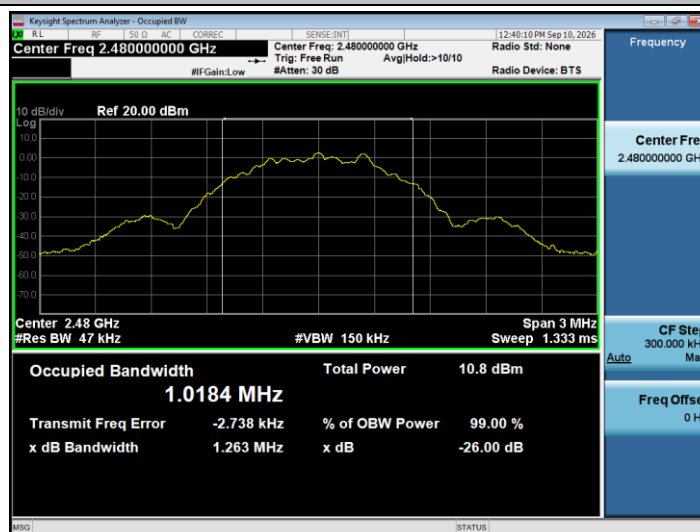
Test Graphs



BLE_1M_Ant1_2402

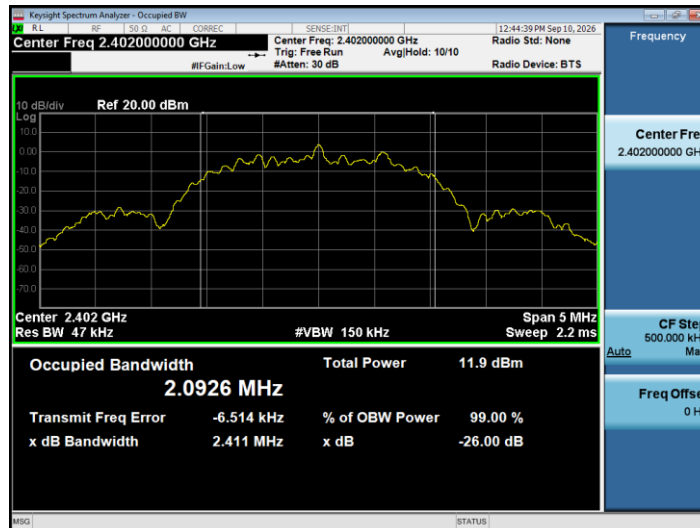


BLE_1M_Ant1_2440

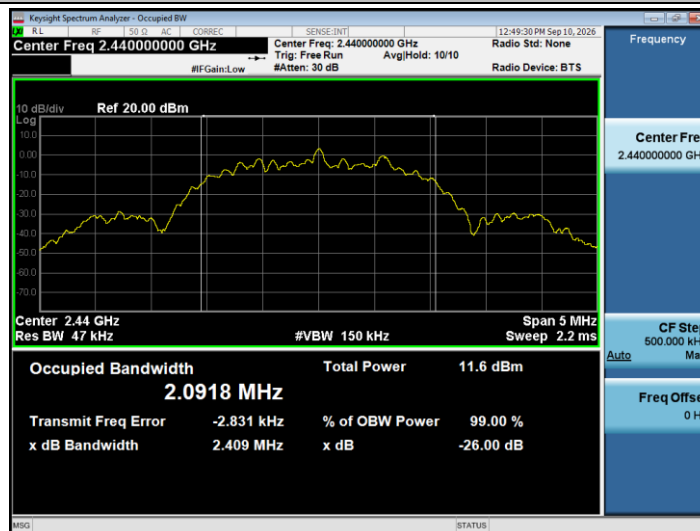


BLE_1M_Ant1_2480

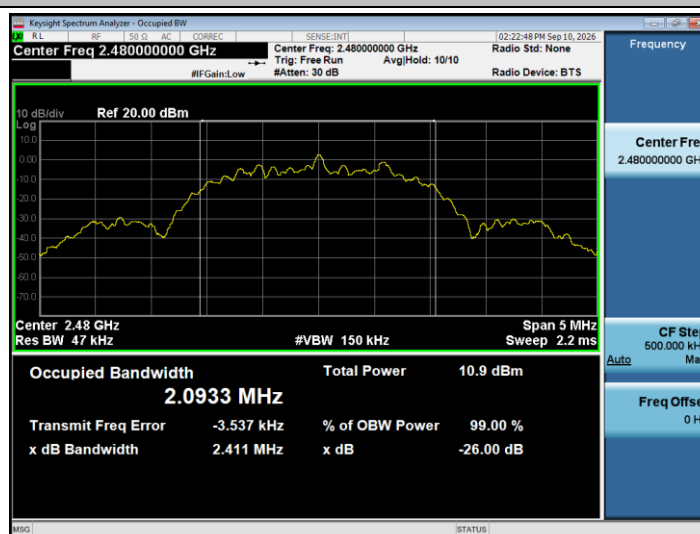




BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480





Appendix C: Maximum peak conducted output power

Test Result Peak

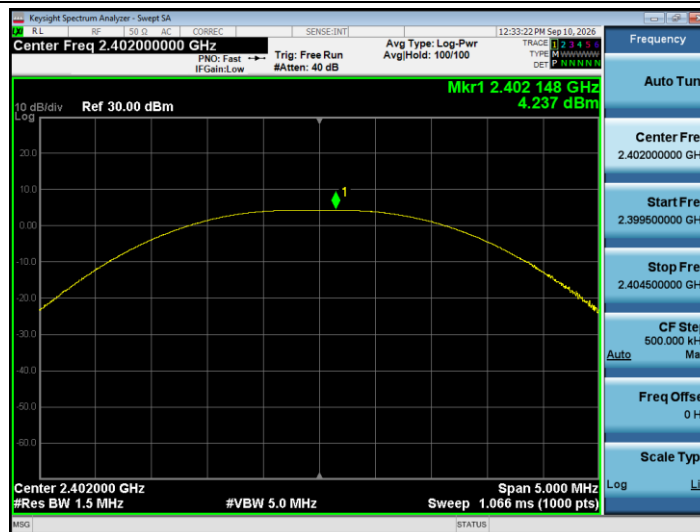
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
BLE_1M	Ant1	2402	4.237	≤30.00	PASS
	Ant1	2440	3.808	≤30.00	PASS
	Ant1	2480	3.031	≤30.00	PASS
BLE_2M	Ant1	2402	4.377	≤30.00	PASS
	Ant1	2440	4.011	≤30.00	PASS
	Ant1	2480	3.294	≤30.00	PASS

Note: All reported measurement levels include compensation for cable loss and external attenuation, applied using the spectrum analyzer's input correction function.

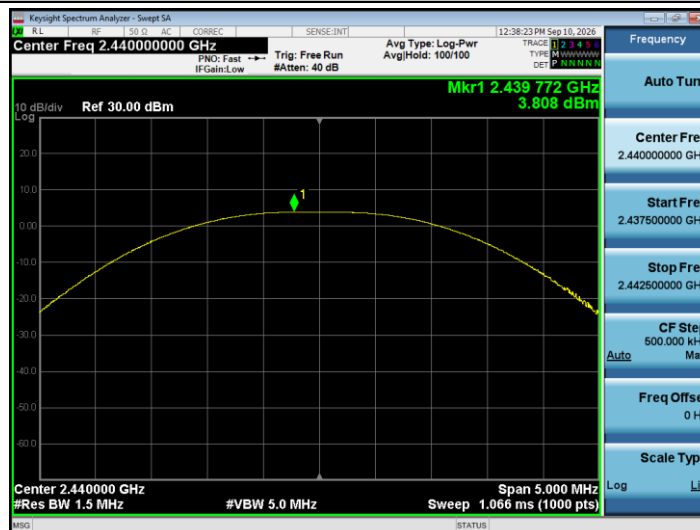




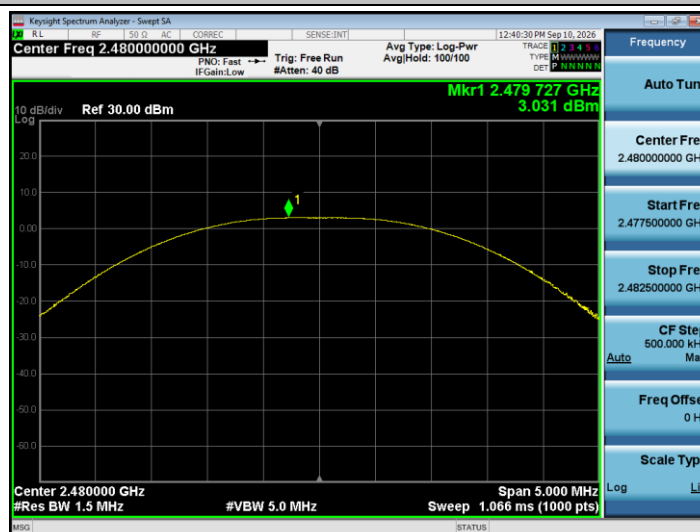
Test Graphs Peak



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

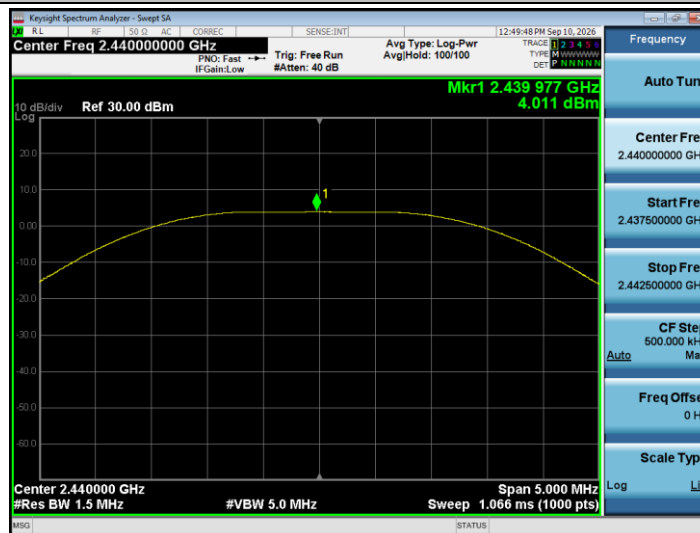


BLE_1M_Ant1_2480

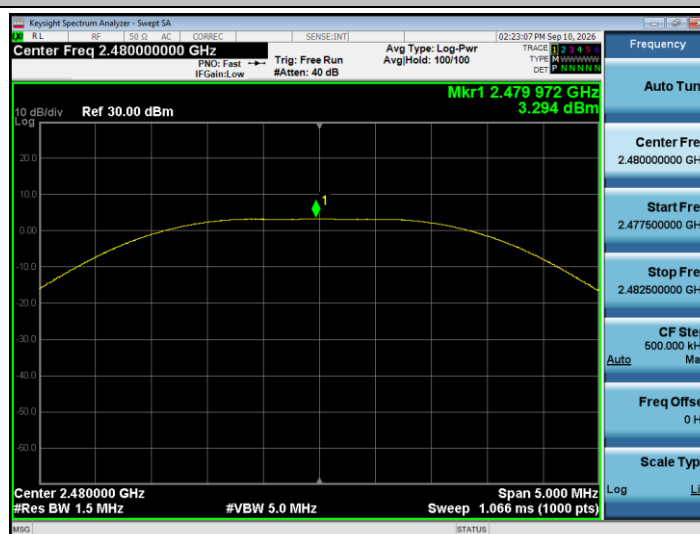




BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480





Appendix D: Maximum peak power spectral density

Test Result

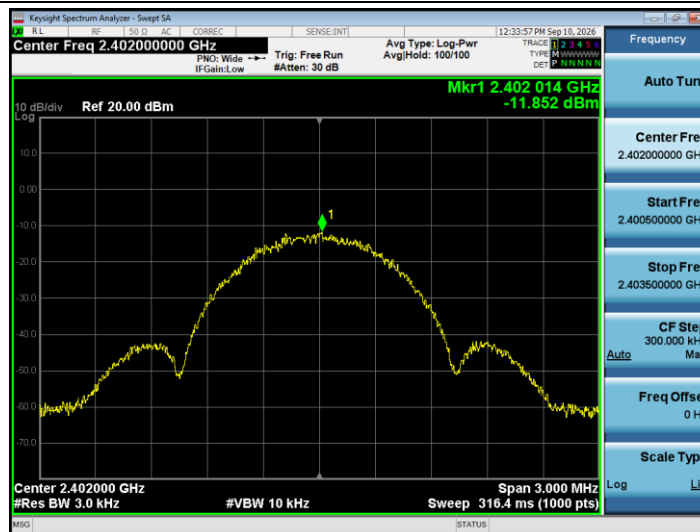
Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.852	≤8.000	PASS
	Ant1	2440	-12.296	≤8.000	PASS
	Ant1	2480	-13.068	≤8.000	PASS
BLE_2M	Ant1	2402	-12.783	≤8.000	PASS
	Ant1	2440	-13.283	≤8.000	PASS
	Ant1	2480	-13.987	≤8.000	PASS

Note: All reported measurement levels include compensation for cable loss and external attenuation, applied using the spectrum analyzer's input correction function.

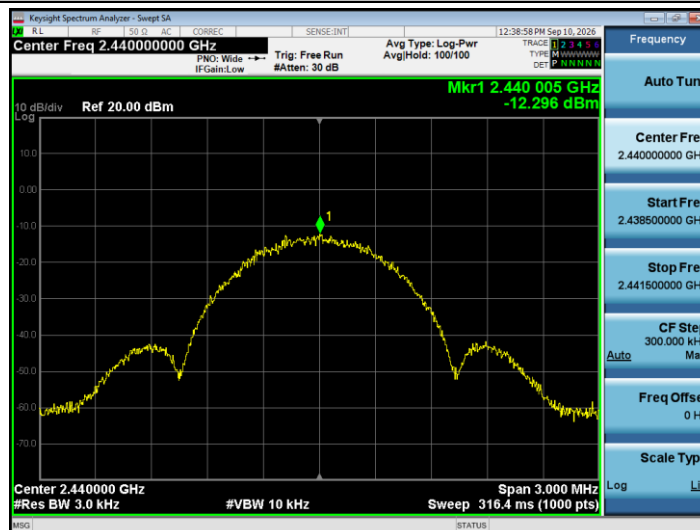




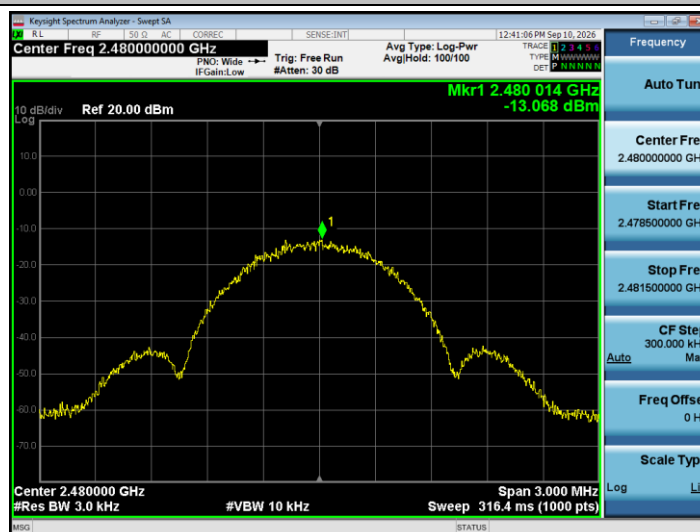
Test Graphs



BLE_1M_Ant1_2402

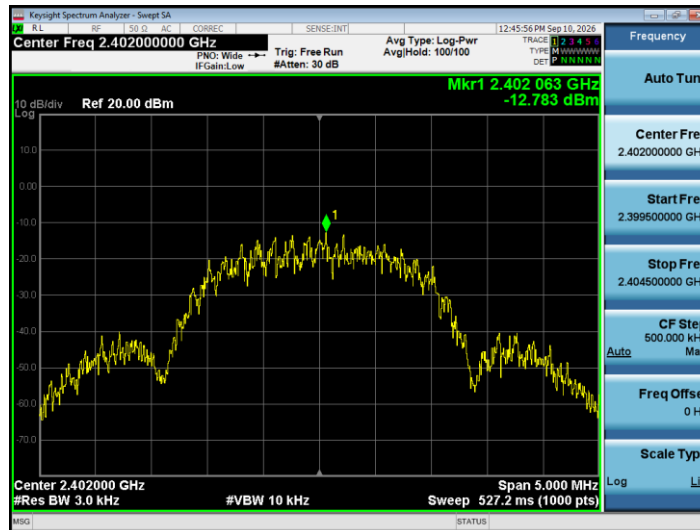


BLE_1M_Ant1_2440

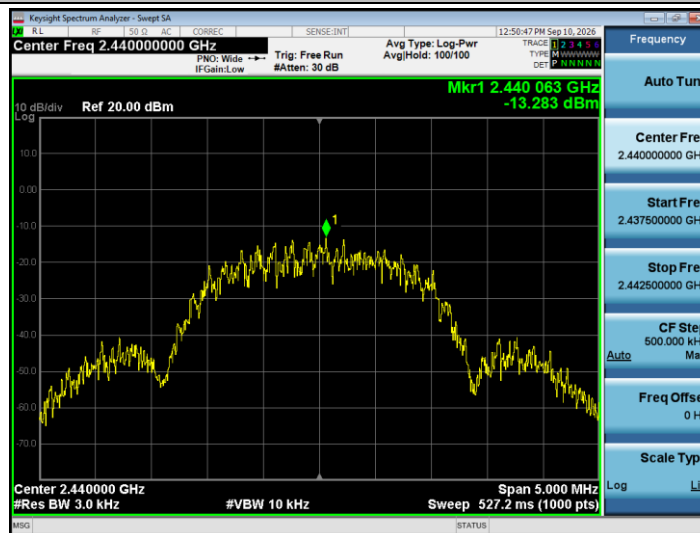


BLE_1M_Ant1_2480

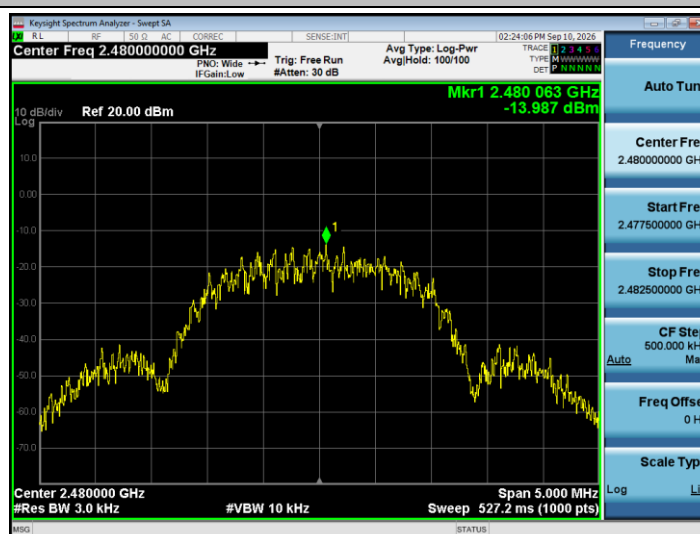




BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480





Appendix E: Band edge measurements

Test Result

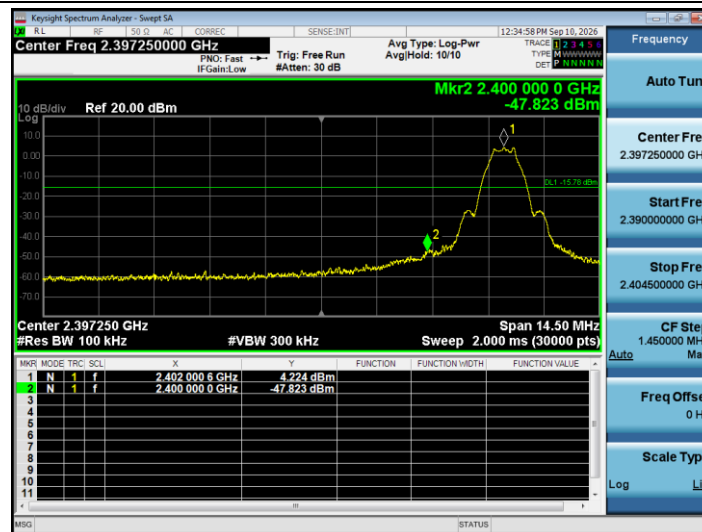
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.22	-47.82	≤ -15.78	PASS
	Ant1	High	2480	2.94	-56.81	≤ -17.06	PASS
BLE_2M	Ant1	Low	2402	4.49	-26.06	≤ -15.51	PASS
	Ant1	High	2480	3.20	-50.94	≤ -16.80	PASS

Note: All reported measurement levels include compensation for cable loss and external attenuation, applied using the spectrum analyzer's input correction function.

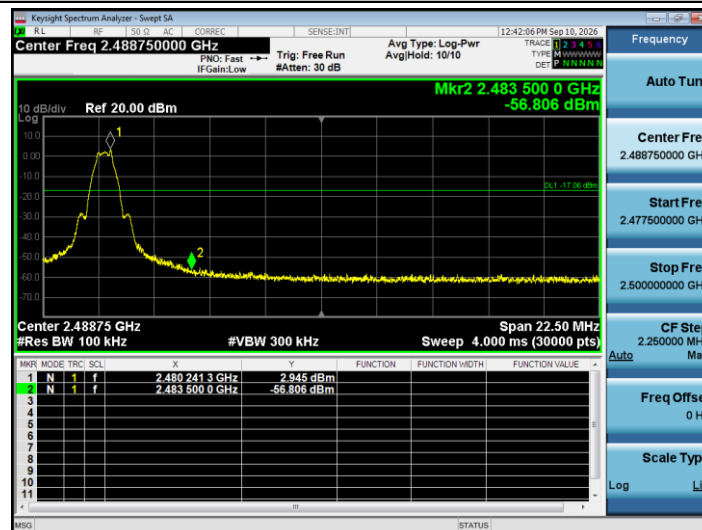




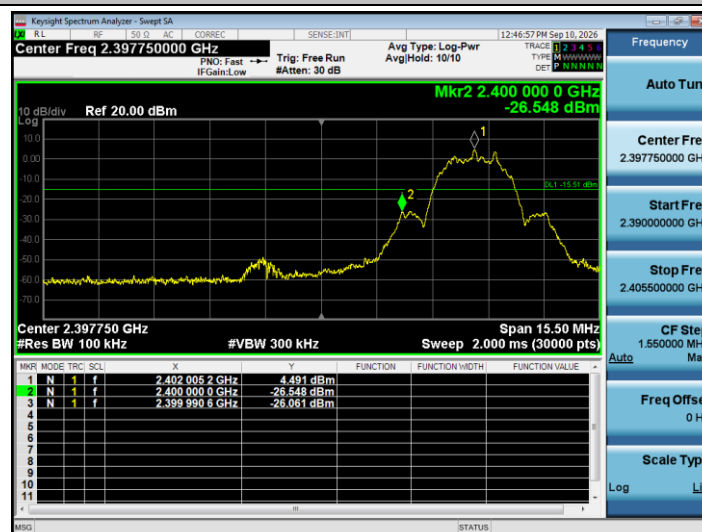
Test Graphs



BLE_1M_Ant1_2402_Low

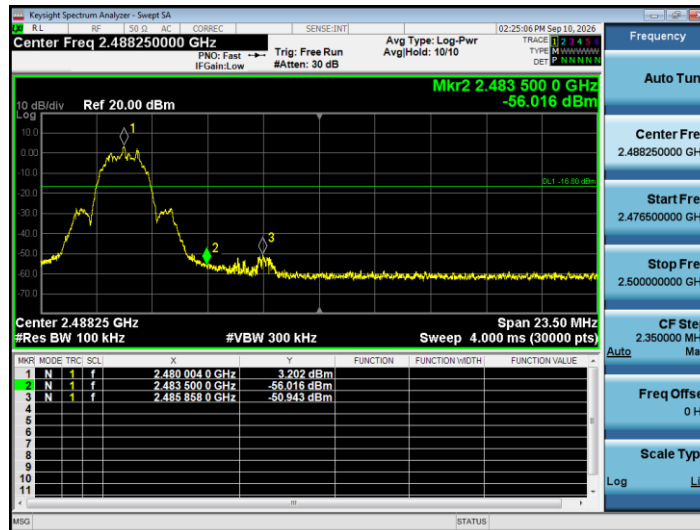


BLE_1M_Ant1_2480_High



BLE_2M_Ant1_2402_Low





BLE_2M_Ant1_2480_High





Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	4.17	4.17	---	PASS
	Ant1	2402	30~1000	4.17	-58.00	≤-15.83	PASS
	Ant1	2402	1000~26500	4.17	-35.55	≤-15.83	PASS
	Ant1	2440	0~Reference	3.71	3.71	---	PASS
	Ant1	2440	30~1000	3.71	-59.11	≤-16.29	PASS
	Ant1	2440	1000~26500	3.71	-33.66	≤-16.29	PASS
	Ant1	2480	0~Reference	2.91	2.91	---	PASS
	Ant1	2480	30~1000	2.91	-58.85	≤-17.09	PASS
	Ant1	2480	1000~26500	2.91	-34.57	≤-17.09	PASS
BLE_2M	Ant1	2402	0~Reference	4.36	4.36	---	PASS
	Ant1	2402	30~1000	4.36	-58.22	≤-15.64	PASS
	Ant1	2402	1000~26500	4.36	-35.91	≤-15.64	PASS
	Ant1	2440	0~Reference	3.92	3.92	---	PASS
	Ant1	2440	30~1000	3.92	-59.42	≤-16.08	PASS
	Ant1	2440	1000~26500	3.92	-34.35	≤-16.08	PASS
	Ant1	2480	0~Reference	3.17	3.17	---	PASS
	Ant1	2480	30~1000	3.17	-59.08	≤-16.83	PASS
	Ant1	2480	1000~26500	3.17	-37.48	≤-16.83	PASS

Note: All reported measurement levels include compensation for cable loss and external attenuation, applied using the spectrum analyzer's input correction function.

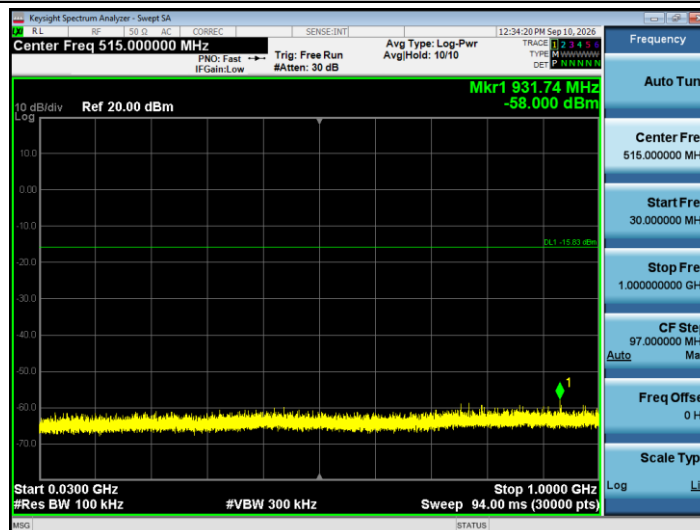




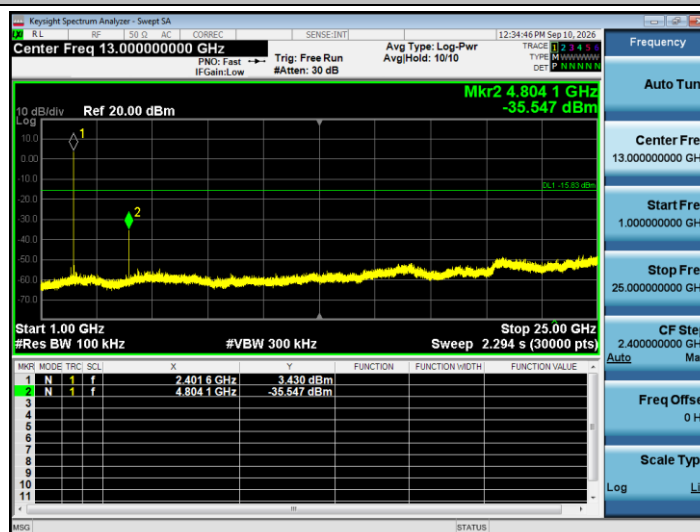
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2402

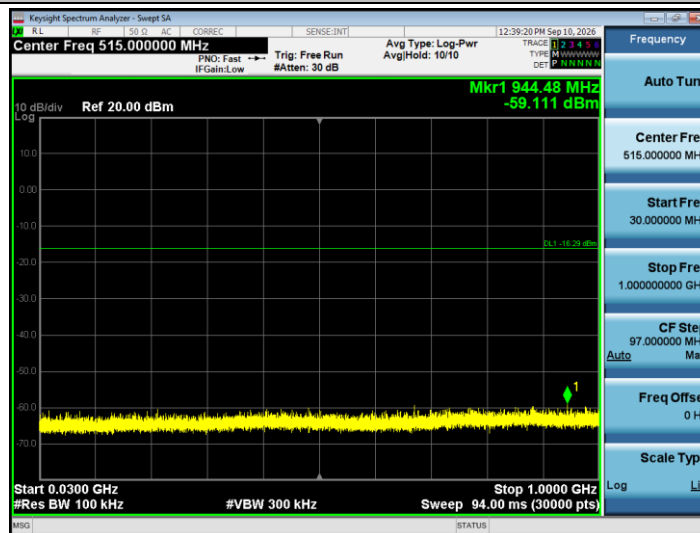


BLE_1M_Ant1_2402

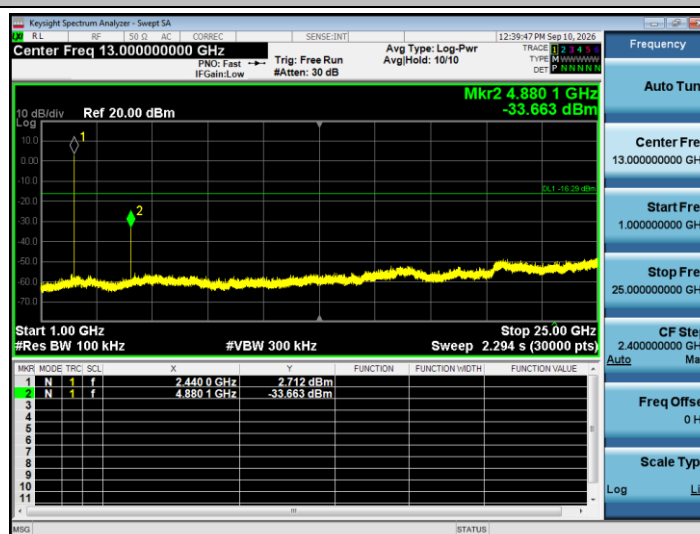




BLE_1M_Ant1_2440



BLE_1M_Ant1_2440

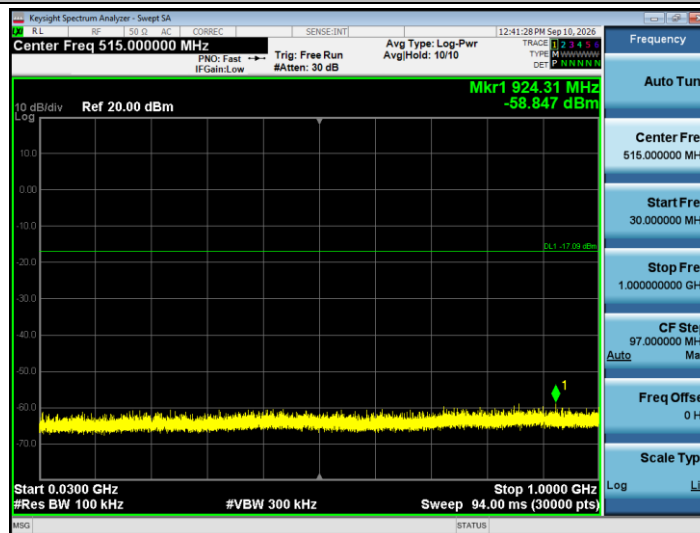


BLE_1M_Ant1_2440

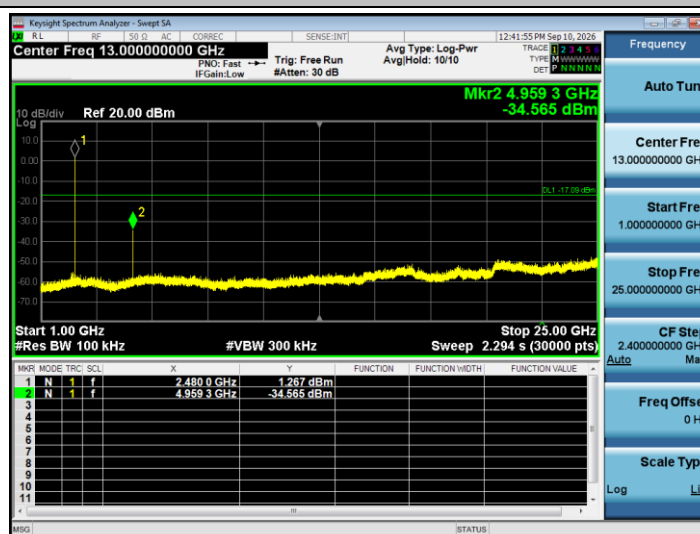




BLE_1M_Ant1_2480



BLE_1M_Ant1_2480

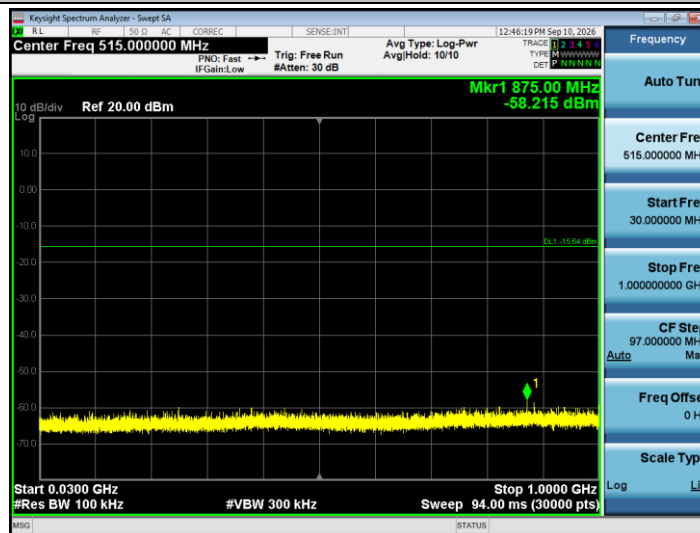


BLE_1M_Ant1_2480

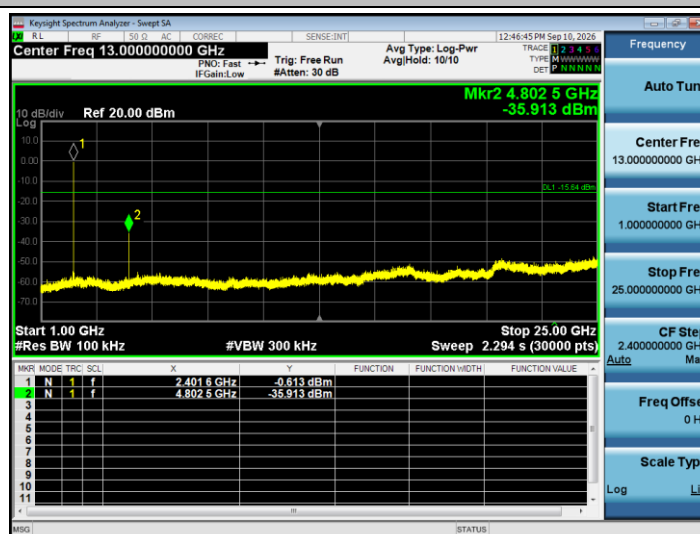




BLE_2M_Ant1_2402



BLE_2M_Ant1_2402

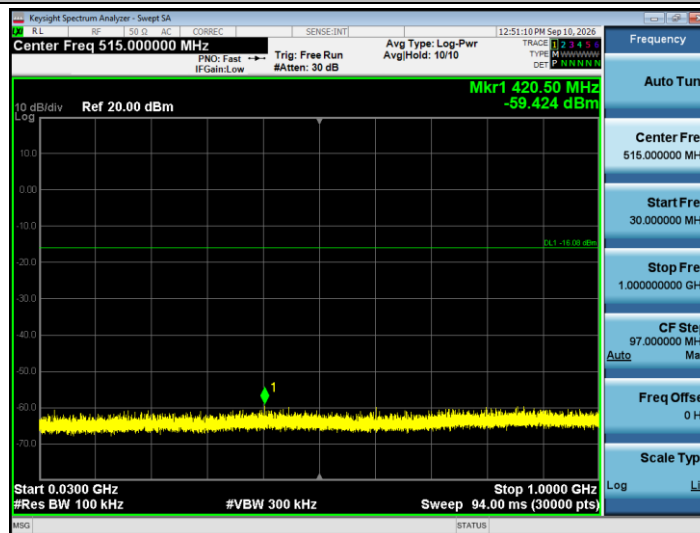


BLE_2M_Ant1_2402

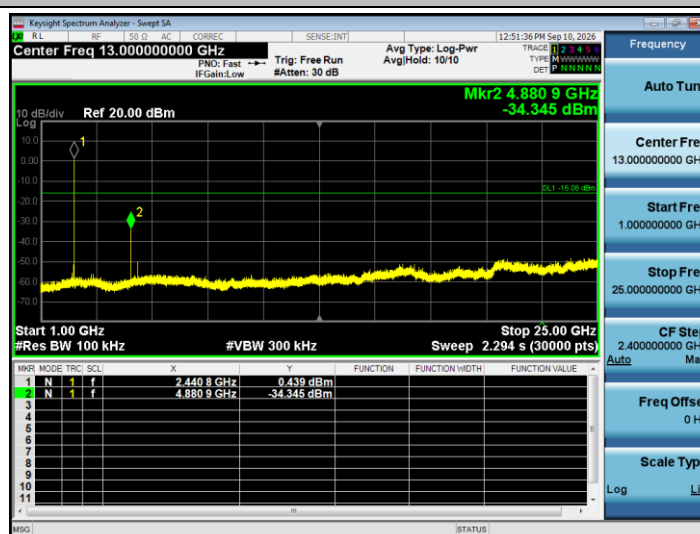




BLE_2M_Ant1_2440

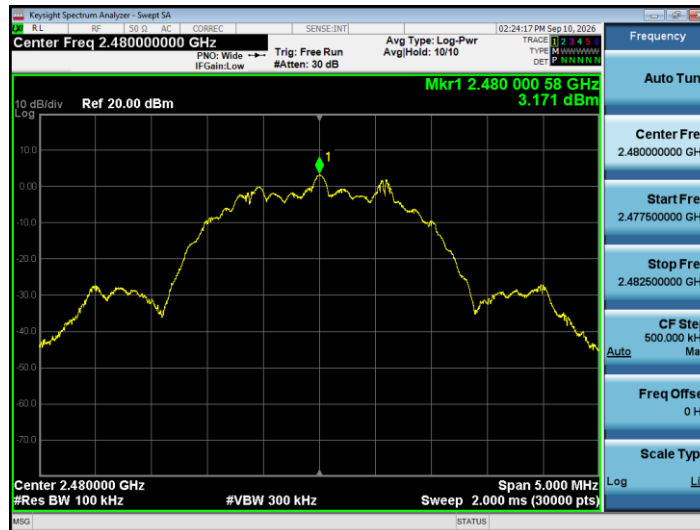


BLE_2M_Ant1_2440

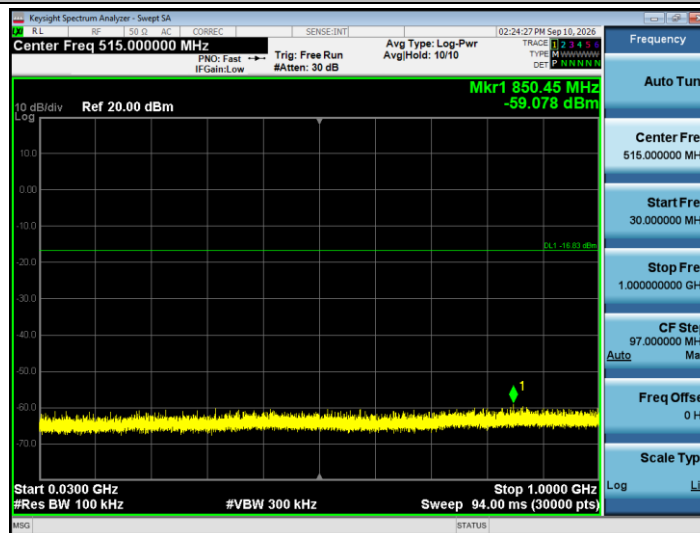


BLE_2M_Ant1_2440

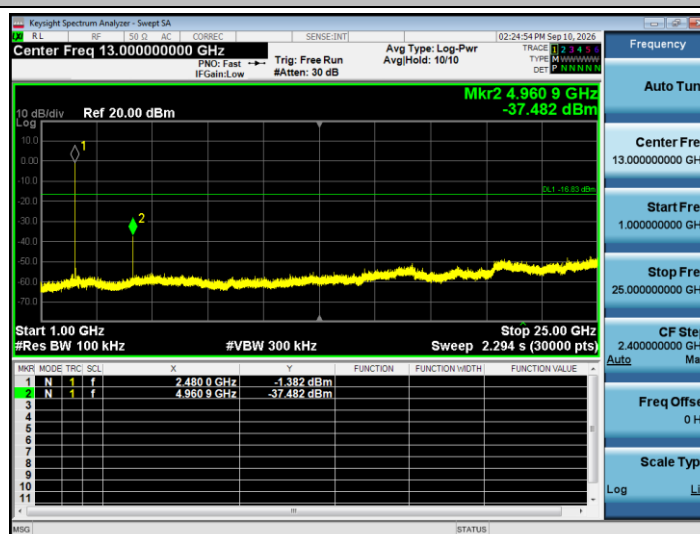




BLE_2M_Ant1_2480



BLE_2M_Ant1_2480



BLE_2M_Ant1_2480





Appendix G: Duty Cycle

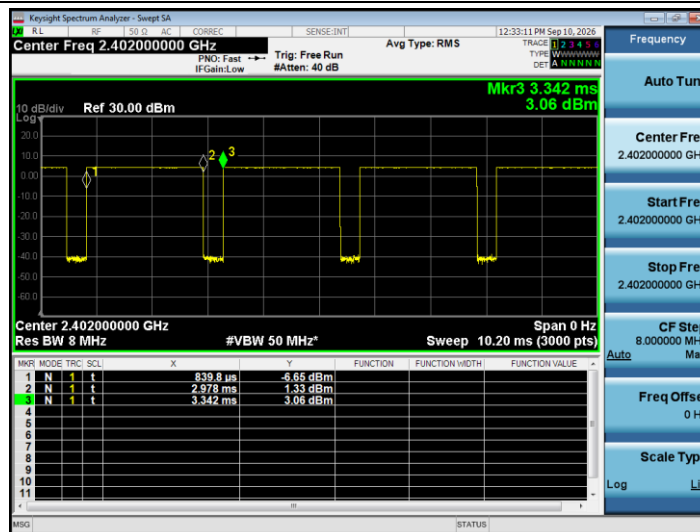
Test Result

Test Mode	Antenna	Frequency [MHz]	Duty Cycle [%]	Duty Cycle Factor [dB]
BLE_1M	Ant1	2402	85.00	0.71
	Ant1	2440	86.00	0.66
	Ant1	2480	86.00	0.66
BLE_2M	Ant1	2402	43.00	3.67
	Ant1	2440	43.00	3.67
	Ant1	2480	43.00	3.67

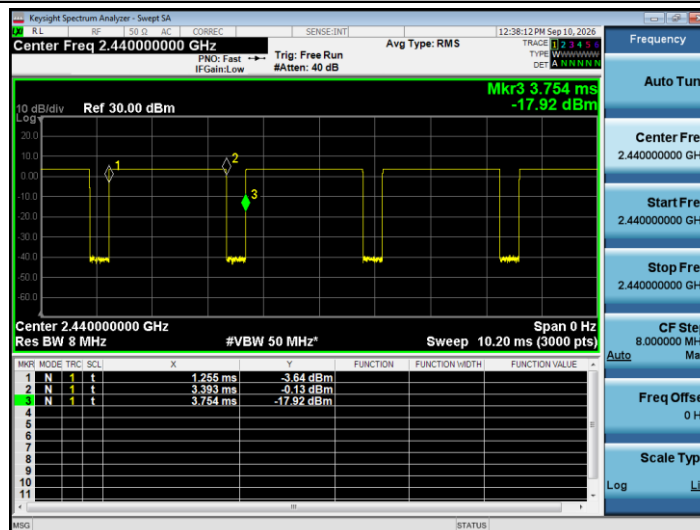




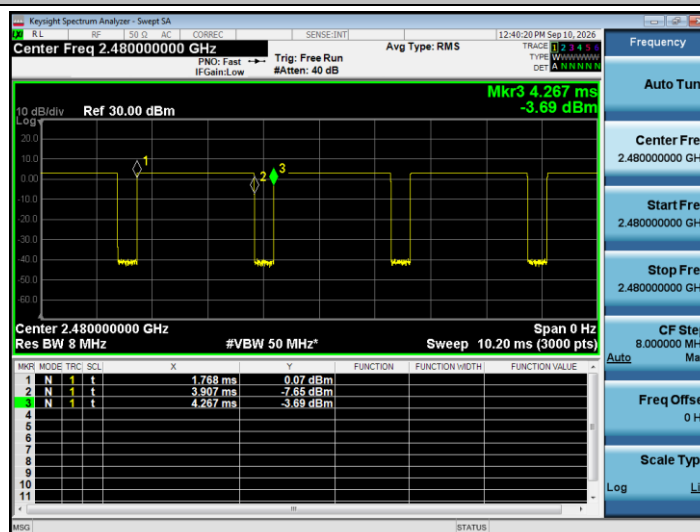
Test Graphs



BLE_1M_Ant1_2402

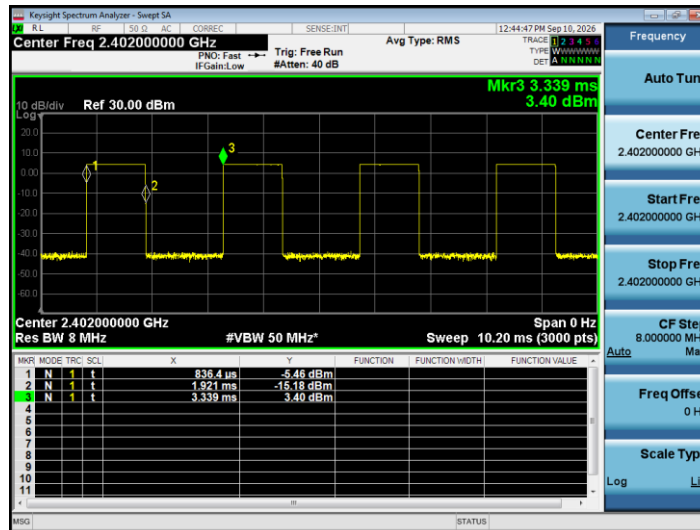


BLE_1M_Ant1_2440

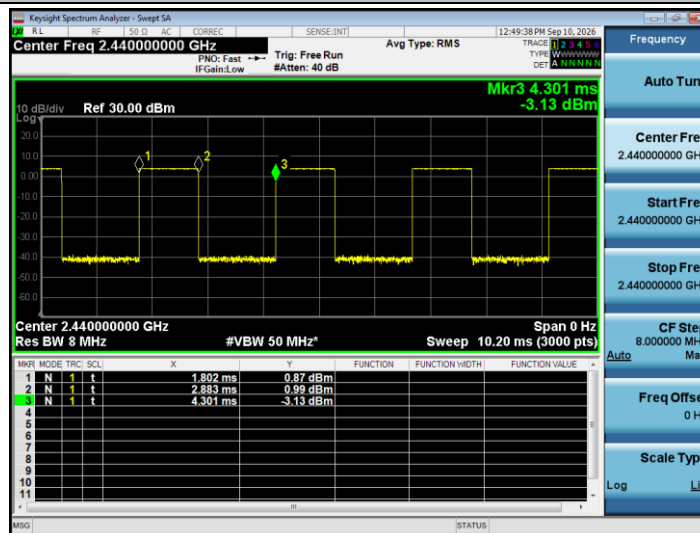


BLE_1M_Ant1_2480

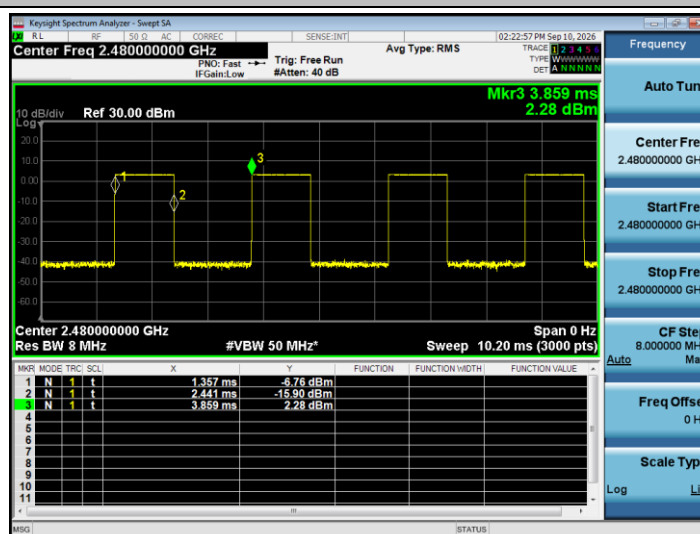




BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480

