

Appendix A: Test Results of Bluetooth Low Energy

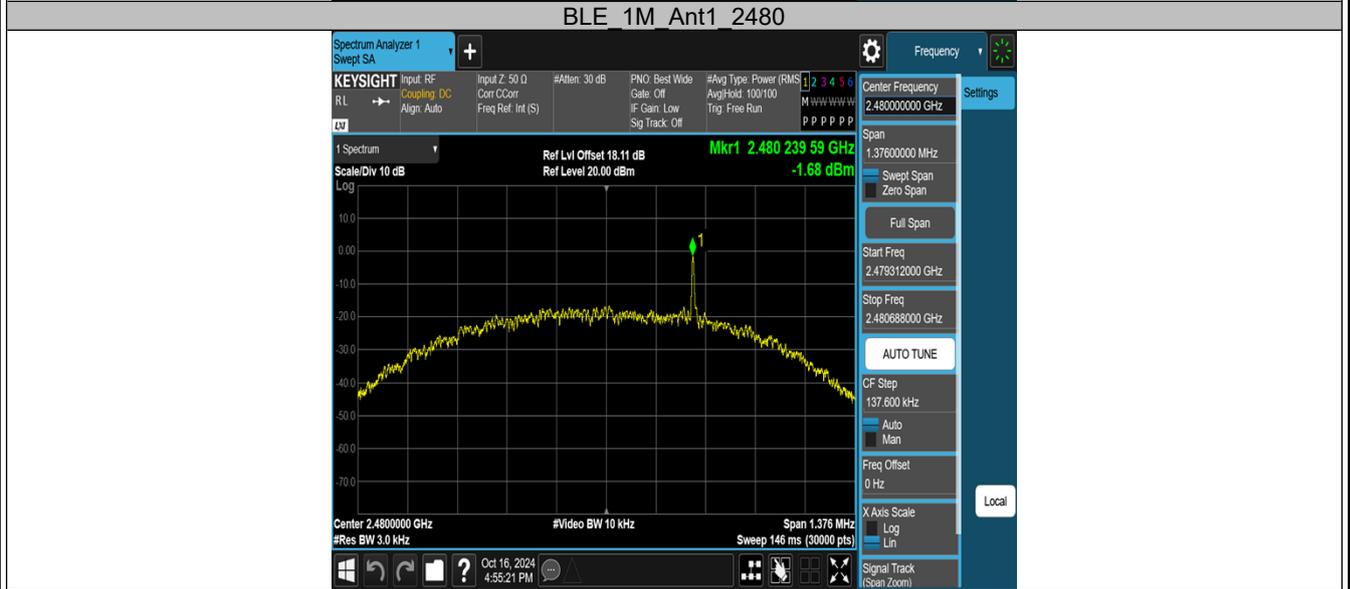
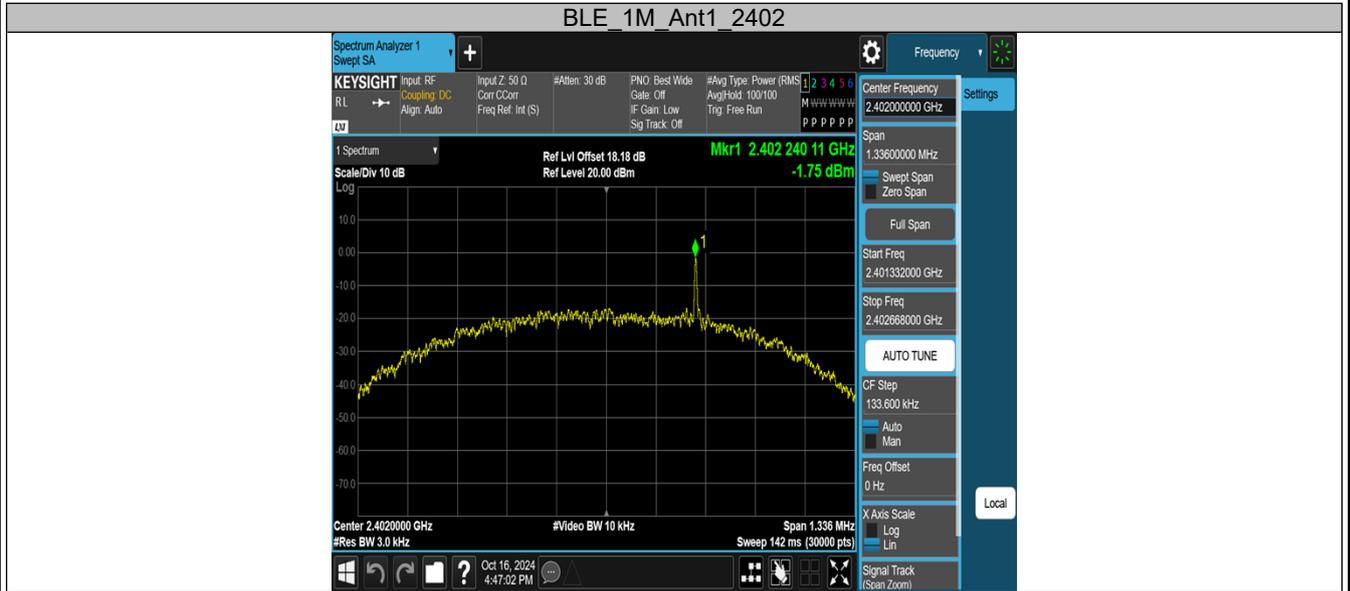
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Appendix A.1: Test Results of Conducted Power Spectral Density

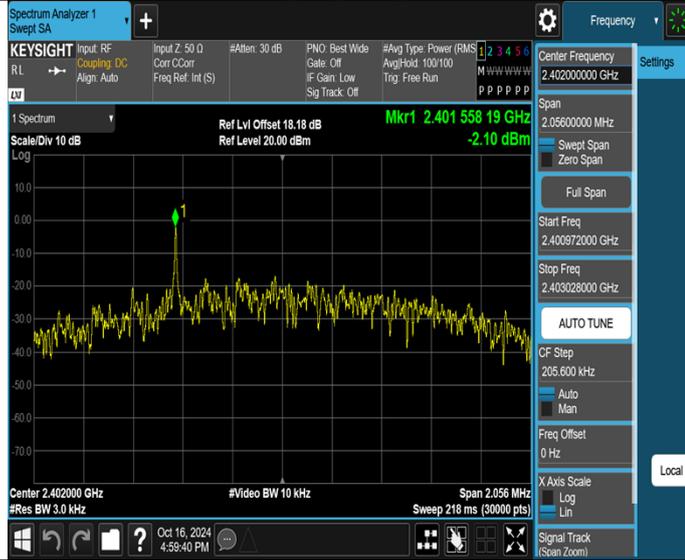
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-1.75	≤8.00	PASS
		2440	-1.58	≤8.00	PASS
		2480	-1.68	≤8.00	PASS
BLE_2M	Ant1	2402	-2.10	≤8.00	PASS
		2440	-1.85	≤8.00	PASS
		2480	-2.02	≤8.00	PASS

Test Graphs



BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



Appendix A.2: Test Results of 6dB Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.668	2401.668	2402.336	0.5	PASS
		2440	0.692	2439.660	2440.352	0.5	PASS
		2480	0.688	2479.660	2480.348	0.5	PASS
BLE_2M	Ant1	2402	1.028	2401.480	2402.508	0.5	PASS
		2440	1.024	2439.484	2440.508	0.5	PASS
		2480	1.020	2479.488	2480.508	0.5	PASS

Test Graphs



BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



Appendix A.3: Test Results of 99% Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.1033	2401.4555	2402.5588	---	PASS
		2440	1.0703	2439.4672	2440.5375	---	PASS
		2480	1.0707	2479.4686	2480.5393	---	PASS
BLE_2M	Ant1	2402	2.1328	2400.9385	2403.0713	---	PASS
		2440	2.1146	2438.9474	2441.0620	---	PASS
		2480	2.1037	2478.9624	2481.0661	---	PASS

Test Graphs



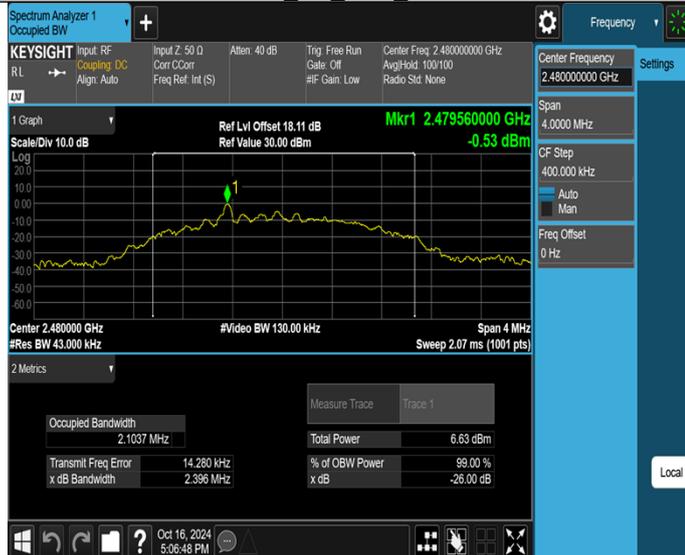
BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



Appendix A.4: Test Results of Band Edge Measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.62	-39.80	≤-20.62	PASS
		High	2480	-0.11	-42.77	≤-20.11	PASS
BLE_2M	Ant1	Low	2402	-0.65	-37.71	≤-20.65	PASS
		High	2480	-0.54	-44.82	≤-20.54	PASS

Test Graphs

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480



BLE_2M_Ant1_Low_2402



BLE_2M_Ant1_High_2480



Appendix A.5: Test Results of Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.64	-0.64	---	PASS
			30~1000	-0.64	-41.47	≤-20.64	PASS
			1000~26500	-0.64	-32.36	≤-20.64	PASS
		2440	Reference	-0.42	-0.42	---	PASS
			30~1000	-0.42	-42.42	≤-20.42	PASS
			1000~26500	-0.42	-32.94	≤-20.42	PASS
		2480	Reference	-0.56	-0.56	---	PASS
			30~1000	-0.56	-42.03	≤-20.56	PASS
			1000~26500	-0.56	-32.23	≤-20.56	PASS
BLE_2M	Ant1	2402	Reference	-0.63	-0.63	---	PASS
			30~1000	-0.63	-41.52	≤-20.63	PASS
			1000~26500	-0.63	-32.25	≤-20.63	PASS
		2440	Reference	-0.42	-0.42	---	PASS
			30~1000	-0.42	-41.3	≤-20.42	PASS
			1000~26500	-0.42	-32.98	≤-20.42	PASS
		2480	Reference	-0.54	-0.54	---	PASS
			30~1000	-0.54	-41.71	≤-20.54	PASS
			1000~26500	-0.54	-32.42	≤-20.54	PASS

Test Graphs

