

Appendix A: Test Results of Bluetooth Low Energy

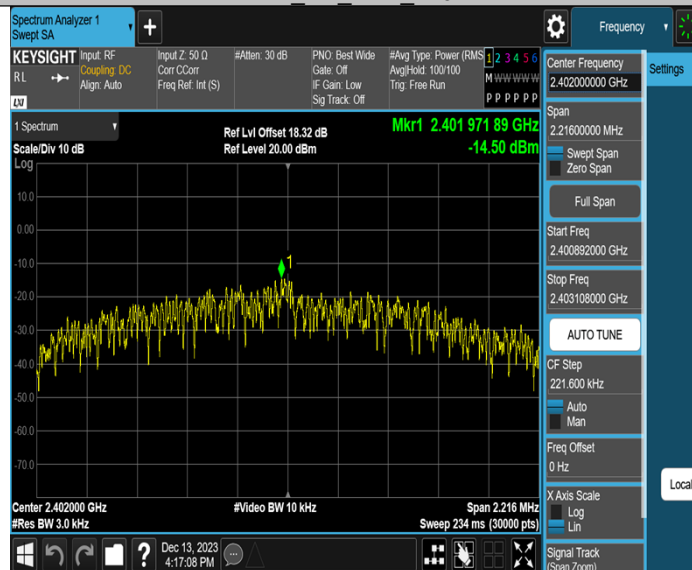
APPENDIX A: TEST RESULTS OF BLUETOOTH LOW ENERGY	1
APPENDIX A.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY	2
APPENDIX A.2: TEST RESULTS OF 6dB BANDWIDTH	5
APPENDIX A.3: TEST RESULTS OF 99% BANDWIDTH	8
APPENDIX A.4: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH	11
<i>Band Edge</i>	<i>11</i>
<i>Conducted Spurious Emission</i>	<i>13</i>
APPENDIX A.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	20
<i>30 MHz - 1GHz</i>	<i>20</i>
<i>1GHz - 18GHz</i>	<i>22</i>
APPENDIX A.6: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS	34
APPENDIX A.7: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS	42

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

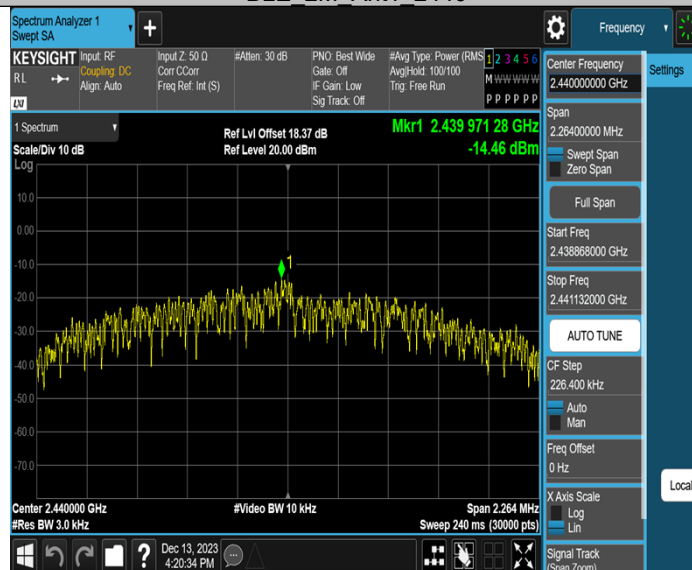
TestMode	Antenna	Channel	Result [dBm/3-100kHz]	Limit [dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.21	≤8.00	PASS
		2440	-12.43	≤8.00	PASS
		2480	-12.69	≤8.00	PASS
BLE_2M	Ant1	2402	-14.50	≤8.00	PASS
		2440	-14.46	≤8.00	PASS
		2480	-14.86	≤8.00	PASS



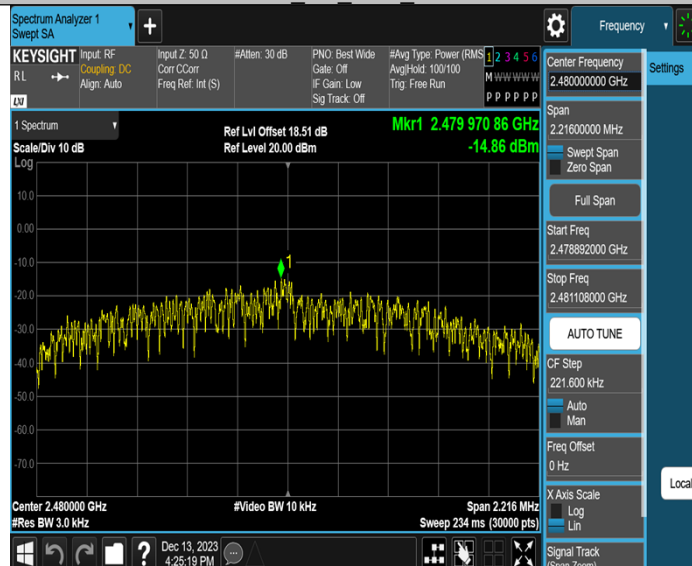
BLE 2M Ant1 2402



BLE 2M Ant1 2440

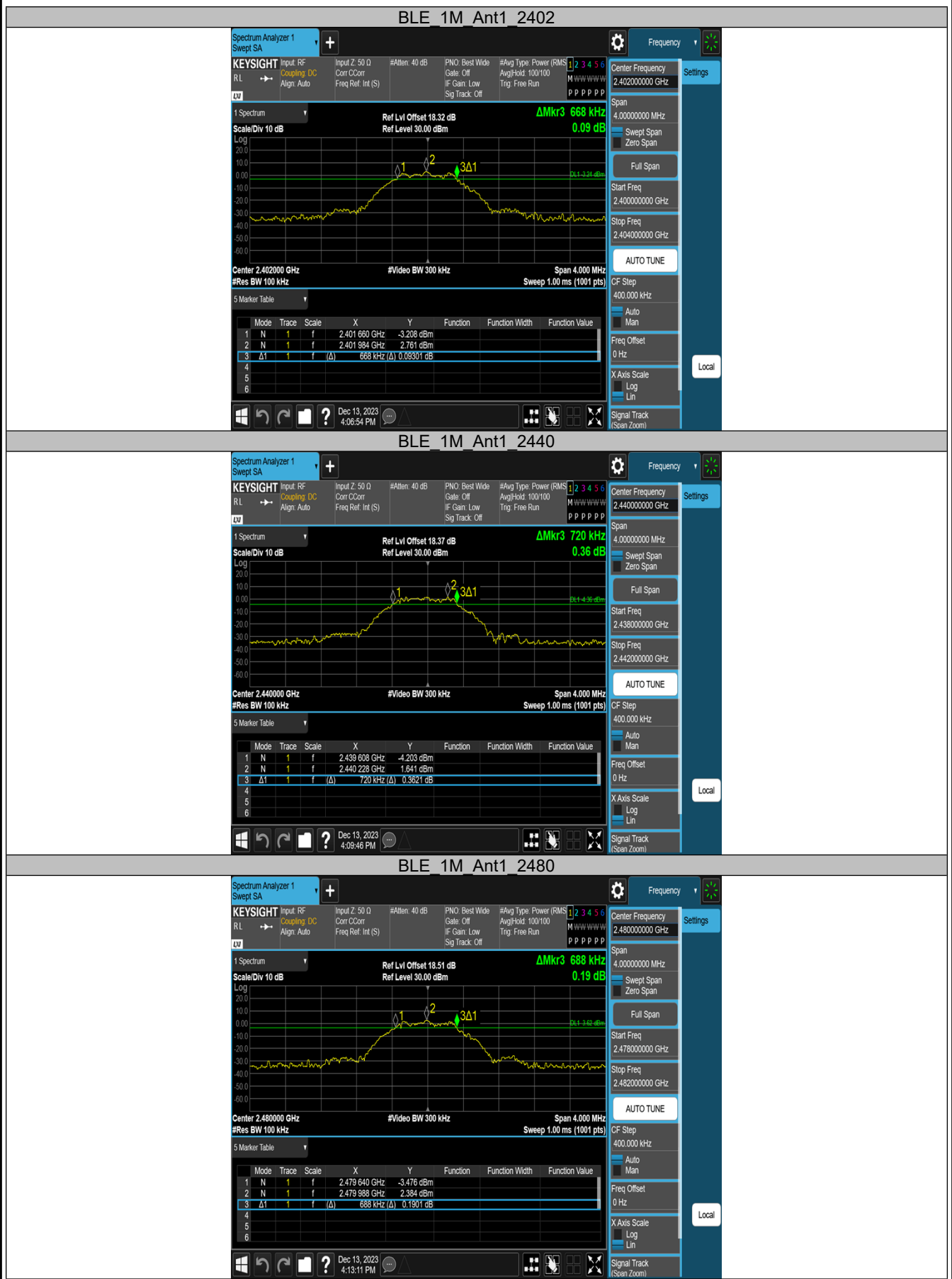


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Appendix A.2: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	0.668	2401.660	2402.328	0.5	PASS
		2440	0.720	2439.608	2440.328	0.5	PASS
		2480	0.688	2479.640	2480.328	0.5	PASS
BLE_2M	Ant1	2402	1.108	2401.416	2402.524	0.5	PASS
		2440	1.132	2439.432	2440.564	0.5	PASS
		2480	1.108	2479.428	2480.536	0.5	PASS



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Appendix A.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	1.0513	2401.4714	2402.5227	---	PASS
		2440	1.0630	2439.4672	2440.5302	---	PASS
		2480	1.0792	2479.4544	2480.5336	---	PASS
BLE_2M	Ant1	2402	2.0557	2400.9726	2403.0283	---	PASS
		2440	2.0719	2438.9771	2441.0490	---	PASS
		2480	2.0657	2478.9741	2481.0398	---	PASS



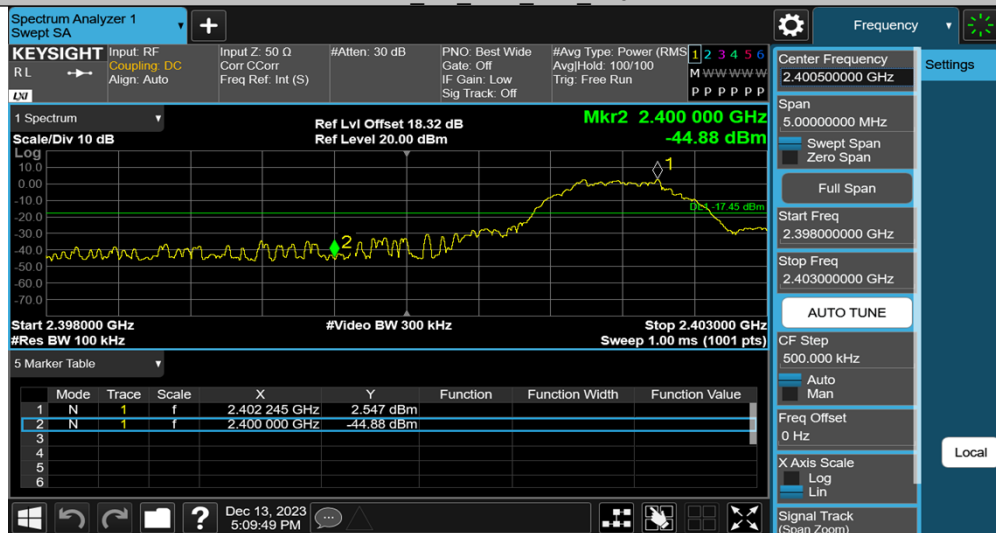


Appendix A.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Band Edge

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.547	-44.88	≤-17.45	PASS
		High	2480	2.151	-40.44	≤-17.85	PASS
BLE_2M	Ant1	Low	2404	2.476	-35.07	≤-17.52	PASS
		High	2478	2.211	-43.82	-17.79≤	PASS

BLE_1M Ant1 Low 2402



BLE_1M Ant1 High 2480



Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.74	2.74	---	PASS
			30~1000	2.74	-41.31	≤-17.26	PASS
			1000~26500	2.74	-31.79	≤-17.26	PASS
		2440	Reference	2.54	2.54	---	PASS
			30~1000	2.54	-40.88	≤-17.46	PASS
			1000~26500	2.54	-32.18	≤-17.46	PASS
		2480	Reference	2.53	2.53	---	PASS
			30~1000	2.53	-41.49	≤-17.47	PASS
			1000~26500	2.53	-31.61	≤-17.47	PASS
BLE_2M	Ant1	2402	Reference	0.65	0.65	---	PASS
			30~1000	0.65	-41.31	≤-19.35	PASS
			1000~26500	0.65	-31.66	≤-19.35	PASS
		2440	Reference	2.85	2.85	---	PASS
			30~1000	2.85	-41.48	≤-17.15	PASS
			1000~26500	2.85	-32.33	≤-17.15	PASS
		2480	Reference	2.69	2.69	---	PASS
			30~1000	2.69	-41.57	≤-17.31	PASS
			1000~26500	2.69	-31.46	≤-17.31	PASS



BLE 1M Ant1 2440 0~Reference



BLE 1M Ant1 2440 30~1000



BLE 1M Ant1 2440 1000~26500

