

Appendix: Bluetooth LE

Contents

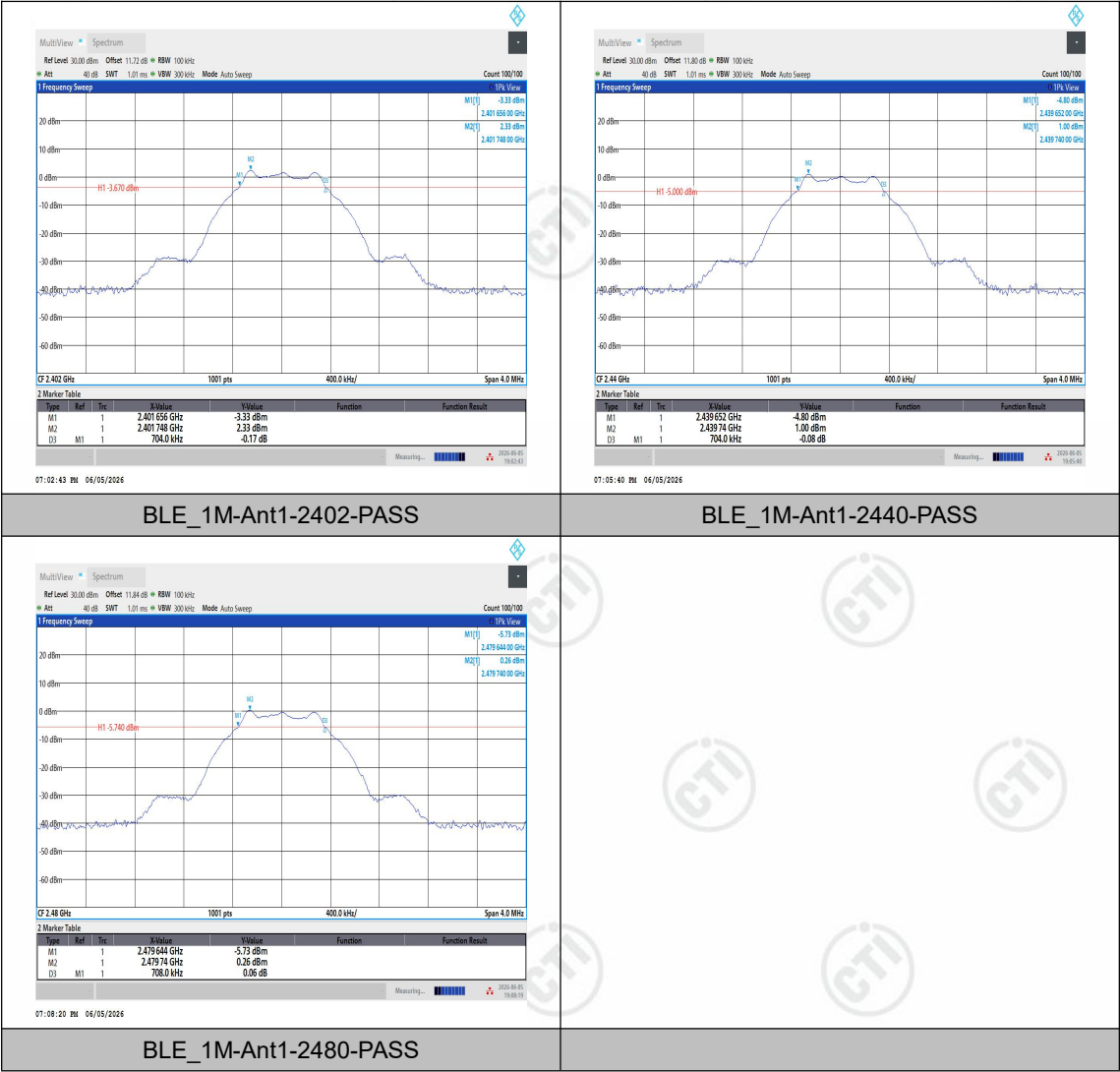
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Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.70	2401.66	2402.36	0.5	PASS
BLE_1M	Ant1	2440	0.70	2439.65	2440.36	0.5	PASS
BLE_1M	Ant1	2480	0.71	2479.64	2480.35	0.5	PASS

Test Graphs

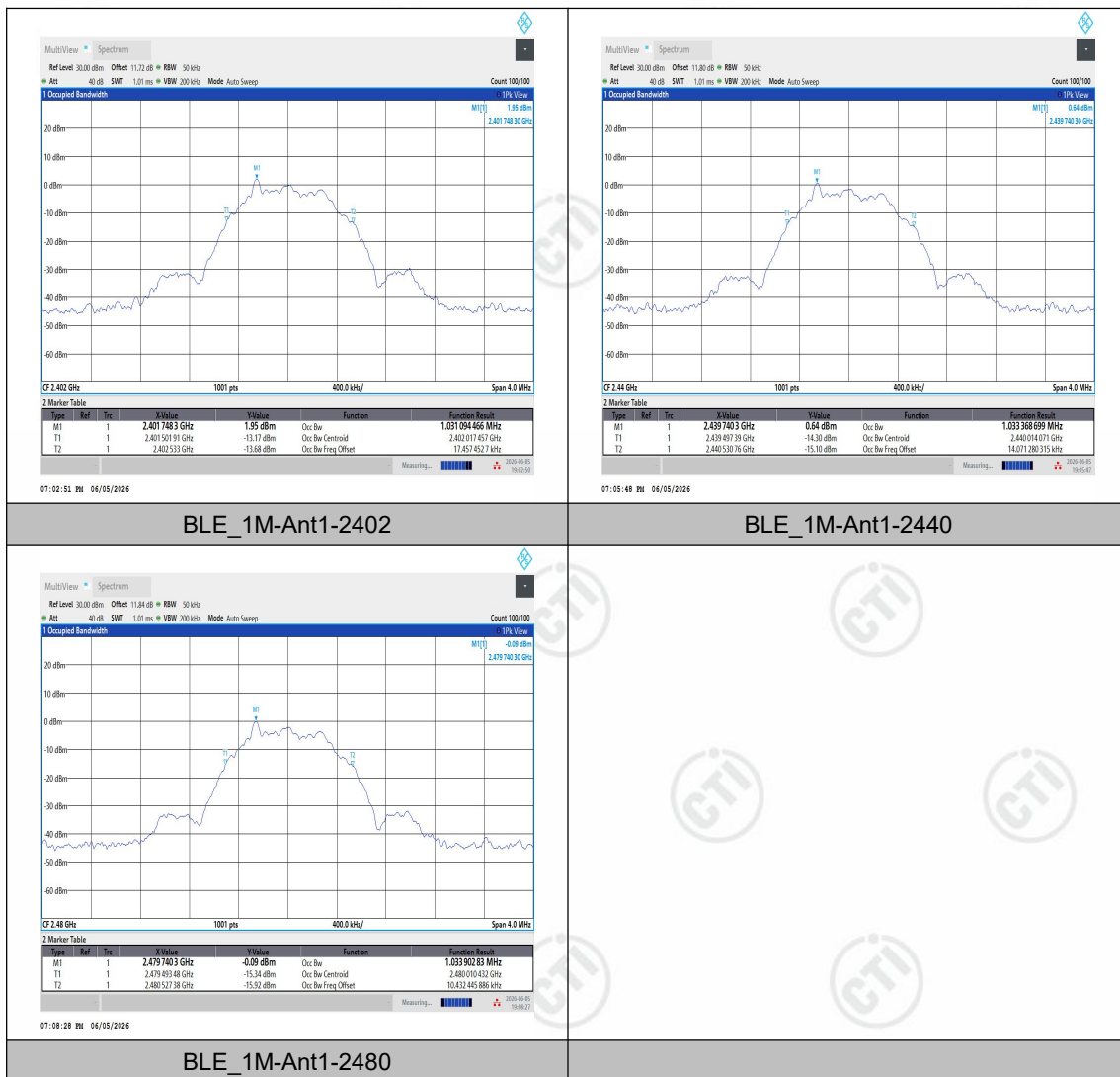


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0311	2401.5019	2402.5330	---	---
BLE_1M	Ant1	2440	1.0334	2439.4974	2440.5308	---	---
BLE_1M	Ant1	2480	1.0339	2479.4935	2480.5274	---	---

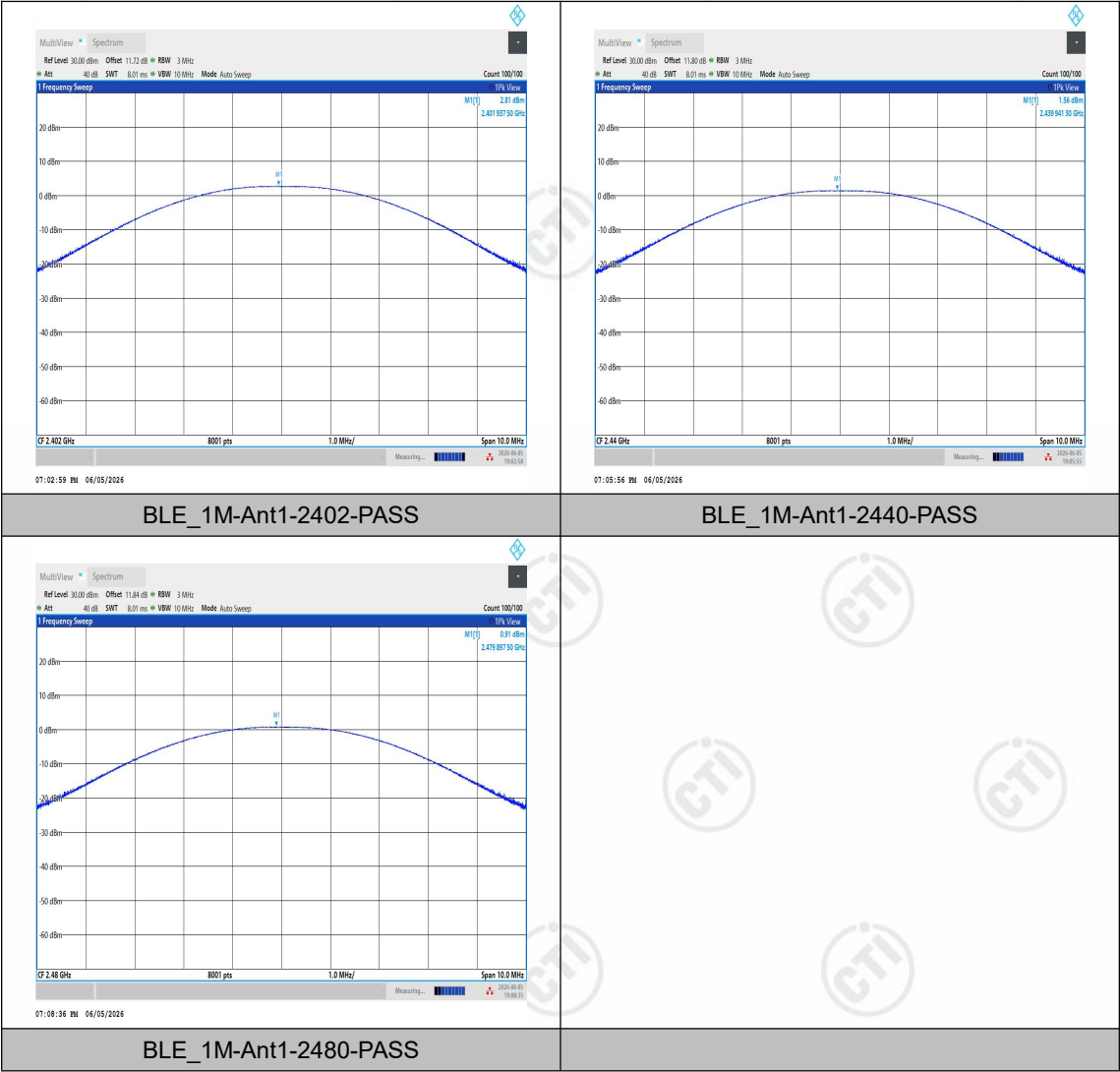
Test Graphs



Appendix C: Maximum conducted output power**Test Result Peak**

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.81	≤30	2.81	≤36	PASS
BLE_1M	Ant1	2440	1.56	≤30	1.56	≤36	PASS
BLE_1M	Ant1	2480	0.91	≤30	0.91	≤36	PASS

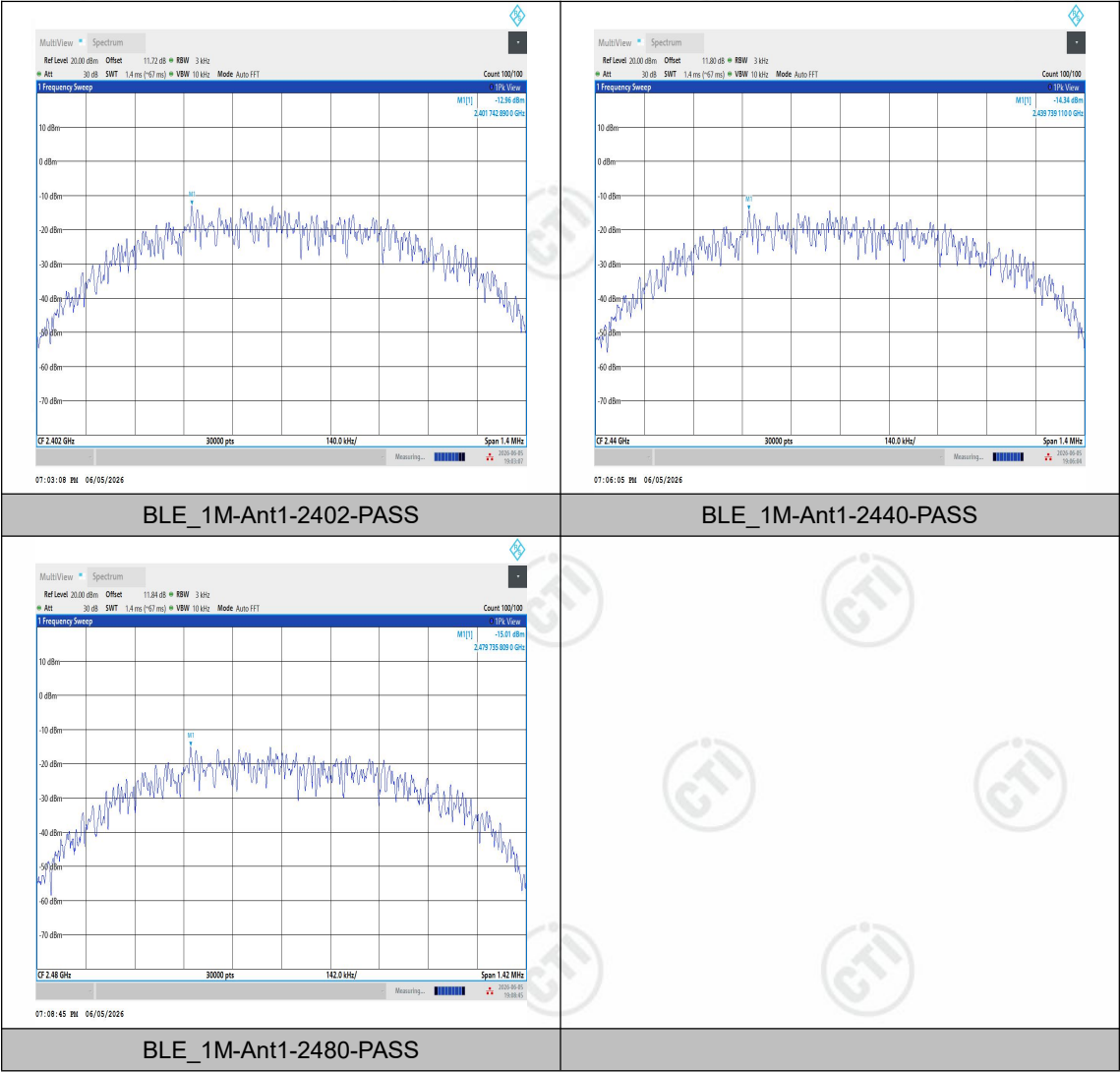
Test Graphs Peak



Appendix D: Maximum power spectral density**Test Result**

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.96	≤8.00	PASS
BLE_1M	Ant1	2440	-14.34	≤8.00	PASS
BLE_1M	Ant1	2480	-15.01	≤8.00	PASS

Test Graphs

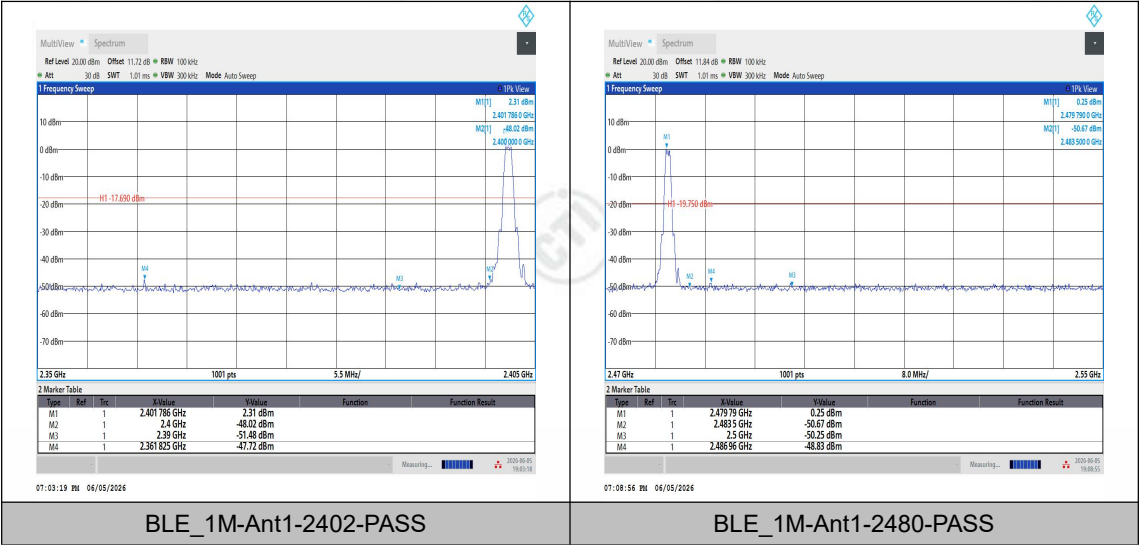


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.31	-47.72	≤-17.69	PASS
BLE_1M	Ant1	High	2480	0.25	-48.83	≤-19.75	PASS

Test Graphs



Appendix F: Conducted Spurious Emission**Test Result**

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	2.33	2.33	---	PASS
BLE_1M	Ant1	2402	30~1000	2.33	-59.04	≤ -17.67	PASS
BLE_1M	Ant1	2402	1000~12750	2.33	-22.88	≤ -17.67	PASS
BLE_1M	Ant1	2402	12750~26500	2.33	-28.19	≤ -17.67	PASS
BLE_1M	Ant1	2440	0~Reference	1.01	1.01	---	PASS
BLE_1M	Ant1	2440	30~1000	1.01	-59.82	≤ -18.99	PASS
BLE_1M	Ant1	2440	1000~12750	1.01	-25.55	≤ -18.99	PASS
BLE_1M	Ant1	2440	12750~26500	1.01	-28.4	≤ -18.99	PASS
BLE_1M	Ant1	2480	0~Reference	0.30	0.30	---	PASS
BLE_1M	Ant1	2480	30~1000	0.30	-59.14	≤ -19.7	PASS
BLE_1M	Ant1	2480	1000~12750	0.30	-26.78	≤ -19.7	PASS
BLE_1M	Ant1	2480	12750~26500	0.30	-28.48	≤ -19.7	PASS

Test Graphs

