

Appendix: Bluetooth LE

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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	0.72	2401.59	2402.31	0.5	PASS
BLE_1M	Ant1	2440	0.72	2439.58	2440.30	0.5	PASS
BLE_1M	Ant1	2480	0.70	2479.59	2480.30	0.5	PASS

Test Graphs



Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.6670	2400.9165	2402.5836
BLE_1M	Ant1	2440	1.6452	2438.9346	2440.5798
BLE_1M	Ant1	2480	1.6482	2478.9539	2480.6022

Test Graphs

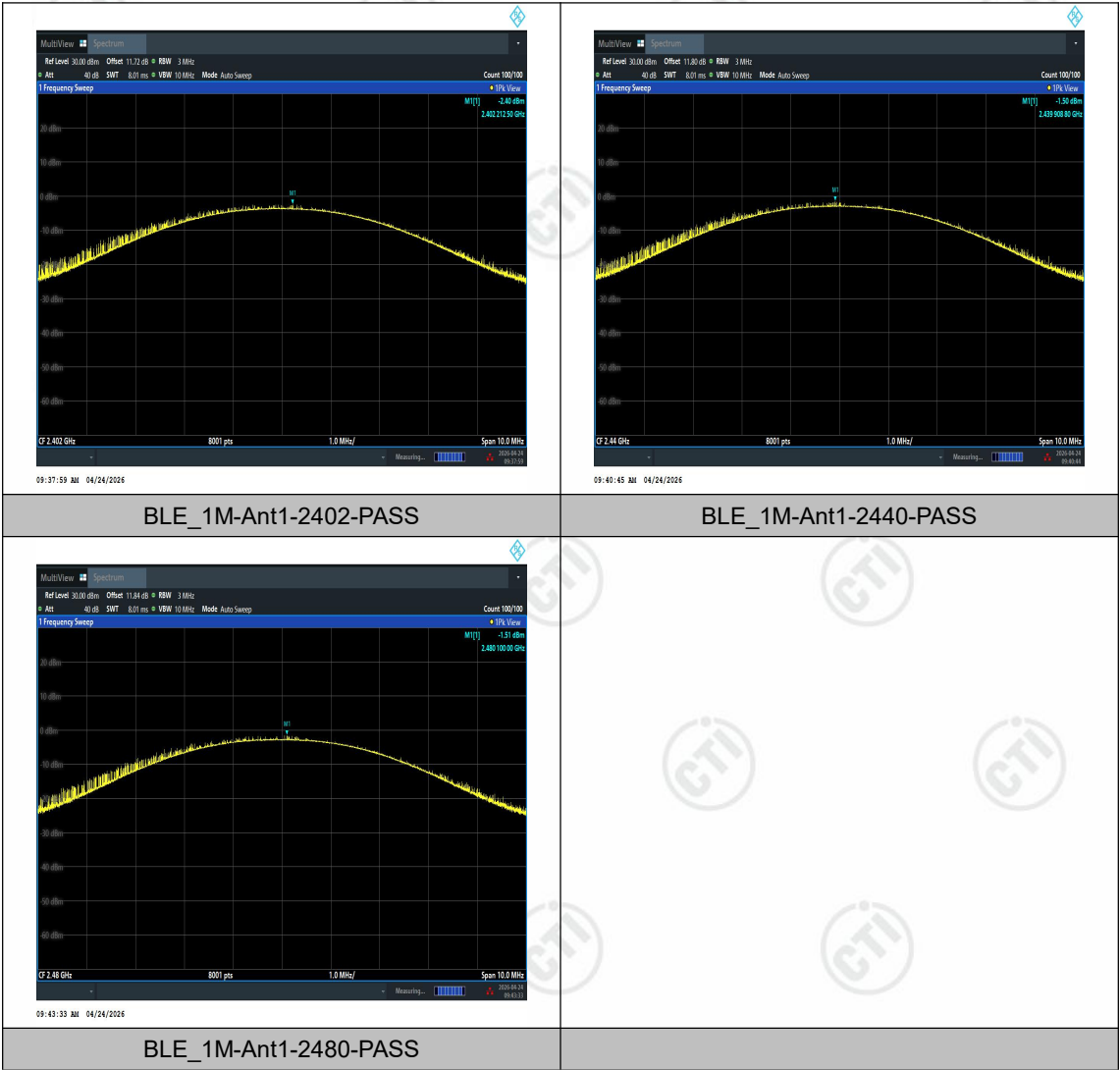


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.40	≤30	0.18	≤36	PASS
BLE_1M	Ant1	2440	-1.50	≤30	1.08	≤36	PASS
BLE_1M	Ant1	2480	-1.51	≤30	1.07	≤36	PASS

Test Graphs Peak

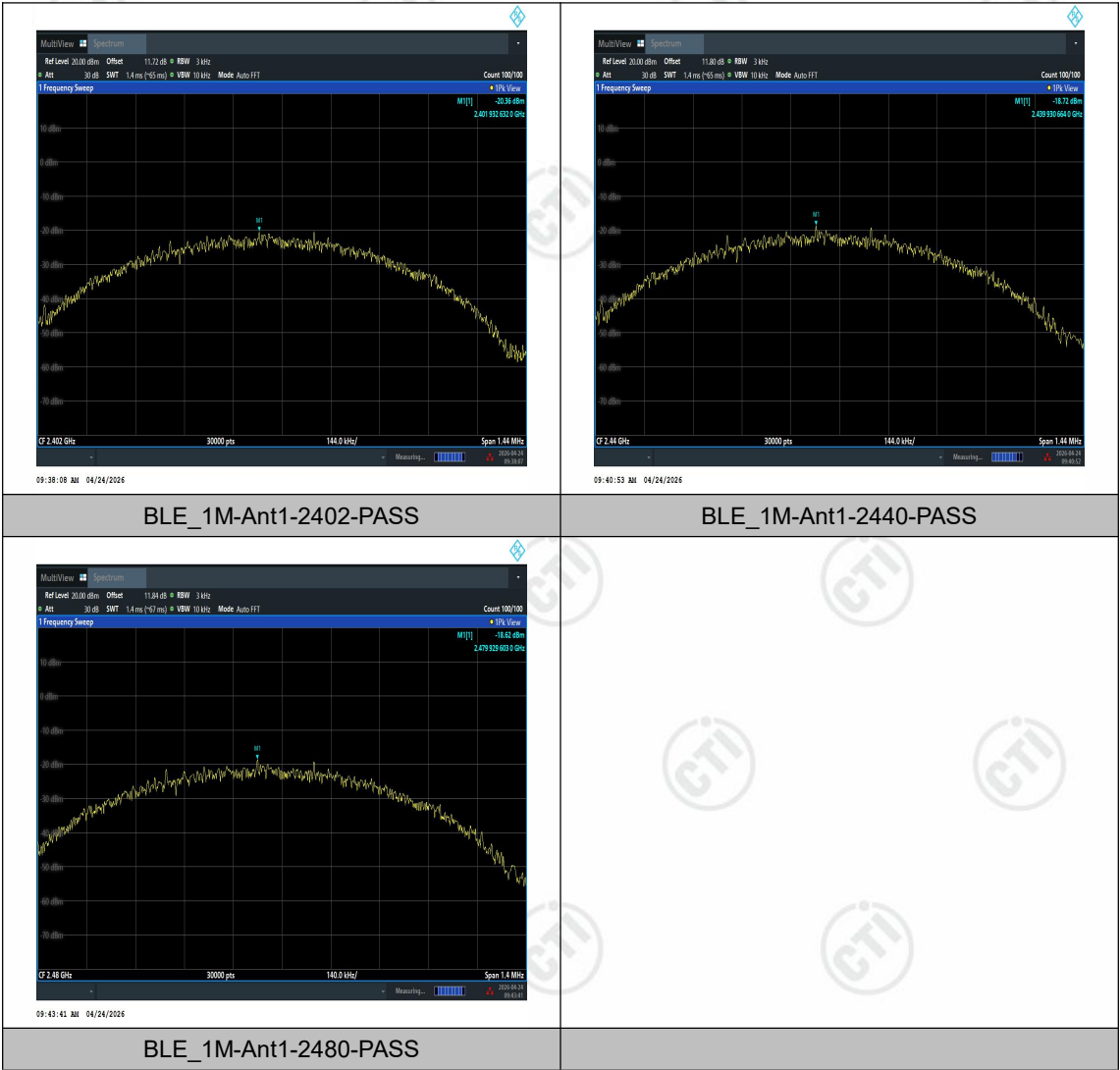


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-20.36	≤8.00	PASS
BLE_1M	Ant1	2440	-18.72	≤8.00	PASS
BLE_1M	Ant1	2480	-18.62	≤8.00	PASS

Test Graphs

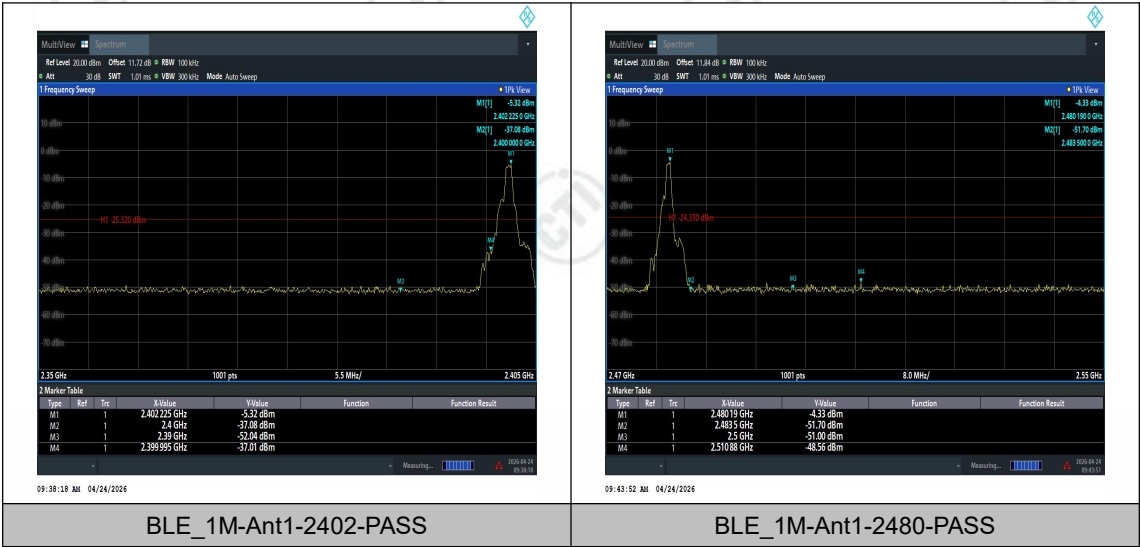


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-5.32	-37.01	≤-25.32	PASS
BLE_1M	Ant1	High	2480	-4.33	-48.56	≤-24.33	PASS

Test Graphs

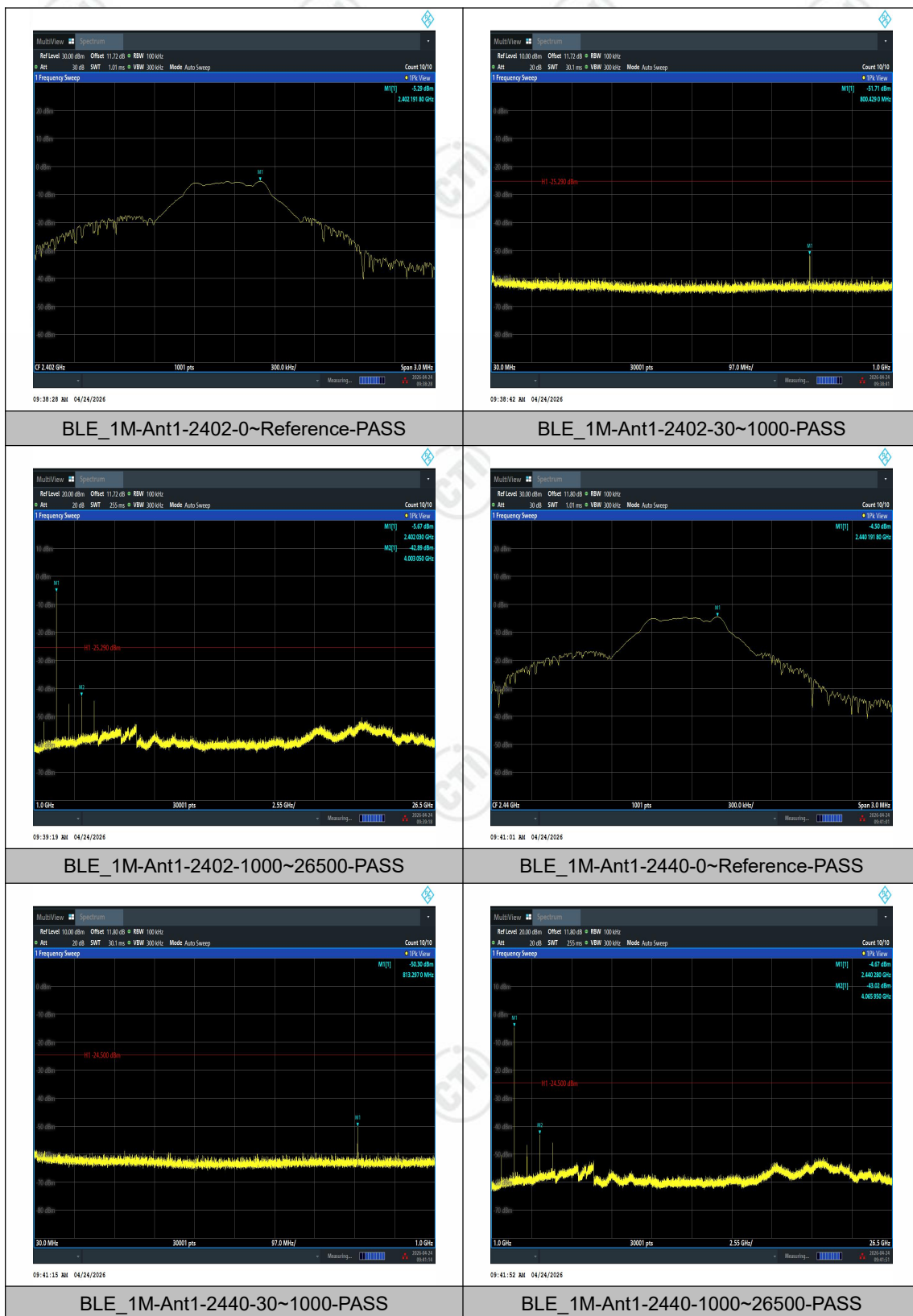


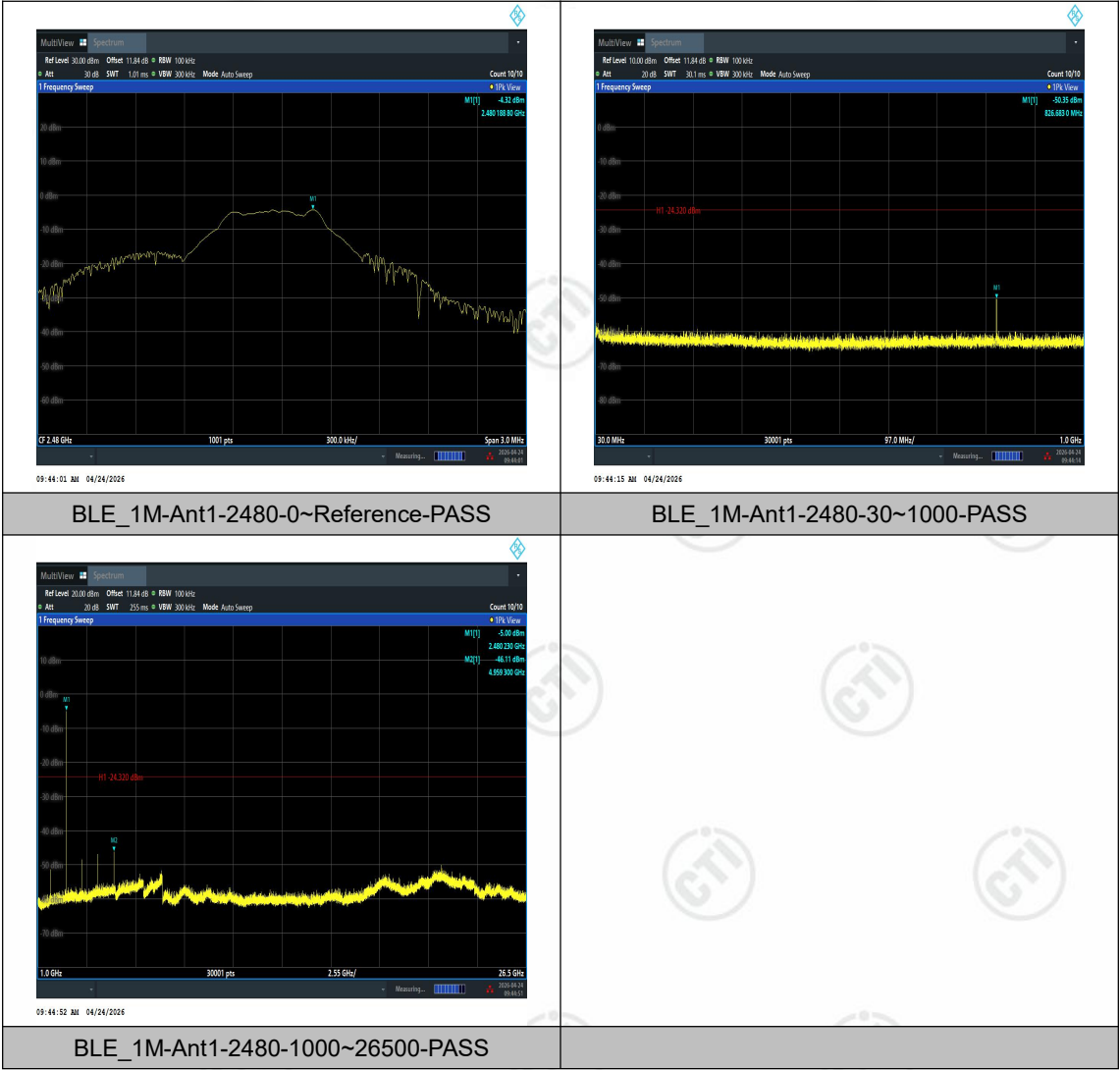
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-5.29	-5.29	---	PASS
BLE_1M	Ant1	2402	30~1000	-5.29	-51.71	≤-25.29	PASS
BLE_1M	Ant1	2402	1000~26500	-5.29	-42.89	≤-25.29	PASS
BLE_1M	Ant1	2440	0~Reference	-4.50	-4.50	---	PASS
BLE_1M	Ant1	2440	30~1000	-4.50	-50.3	≤-24.5	PASS
BLE_1M	Ant1	2440	1000~26500	-4.50	-43.02	≤-24.5	PASS
BLE_1M	Ant1	2480	0~Reference	-4.32	-4.32	---	PASS
BLE_1M	Ant1	2480	30~1000	-4.32	-50.35	≤-24.32	PASS
BLE_1M	Ant1	2480	1000~26500	-4.32	-46.11	≤-24.32	PASS

Test Graphs





Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	20.00	20.00	100.00	0.00
BLE_1M	Ant1	2440	20.00	20.00	100.00	0.00
BLE_1M	Ant1	2480	20.00	20.00	100.00	0.00

Test Graphs



*** End of Report ***