

Appendix: Bluetooth LE

Contents

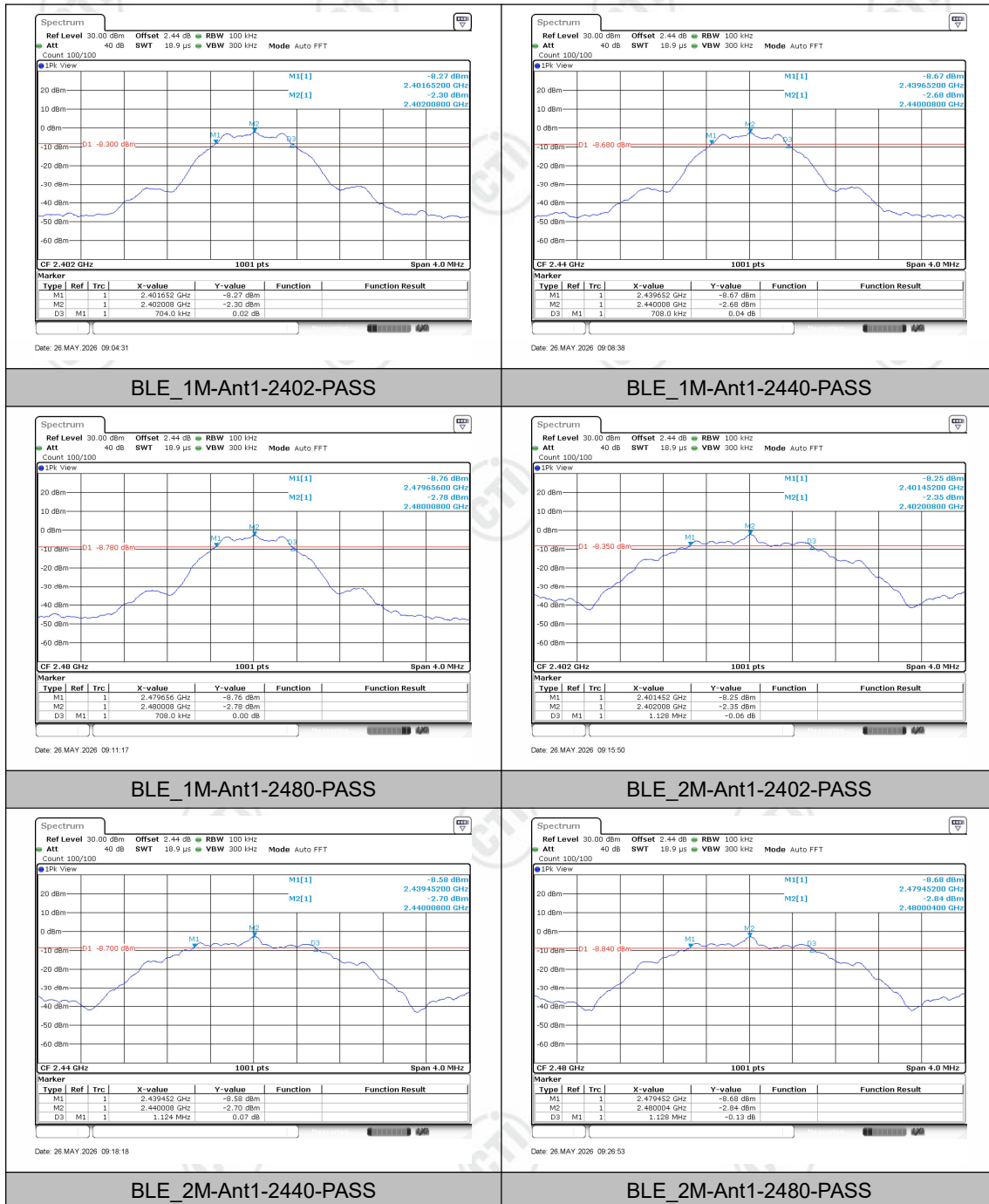
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Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.70	2401.65	2402.36	0.5	PASS
BLE_1M	Ant1	2440	0.71	2439.65	2440.36	0.5	PASS
BLE_1M	Ant1	2480	0.71	2479.66	2480.36	0.5	PASS
BLE_2M	Ant1	2402	1.13	2401.45	2402.58	0.5	PASS
BLE_2M	Ant1	2440	1.12	2439.45	2440.58	0.5	PASS
BLE_2M	Ant1	2480	1.13	2479.45	2480.58	0.5	PASS

Test Graphs

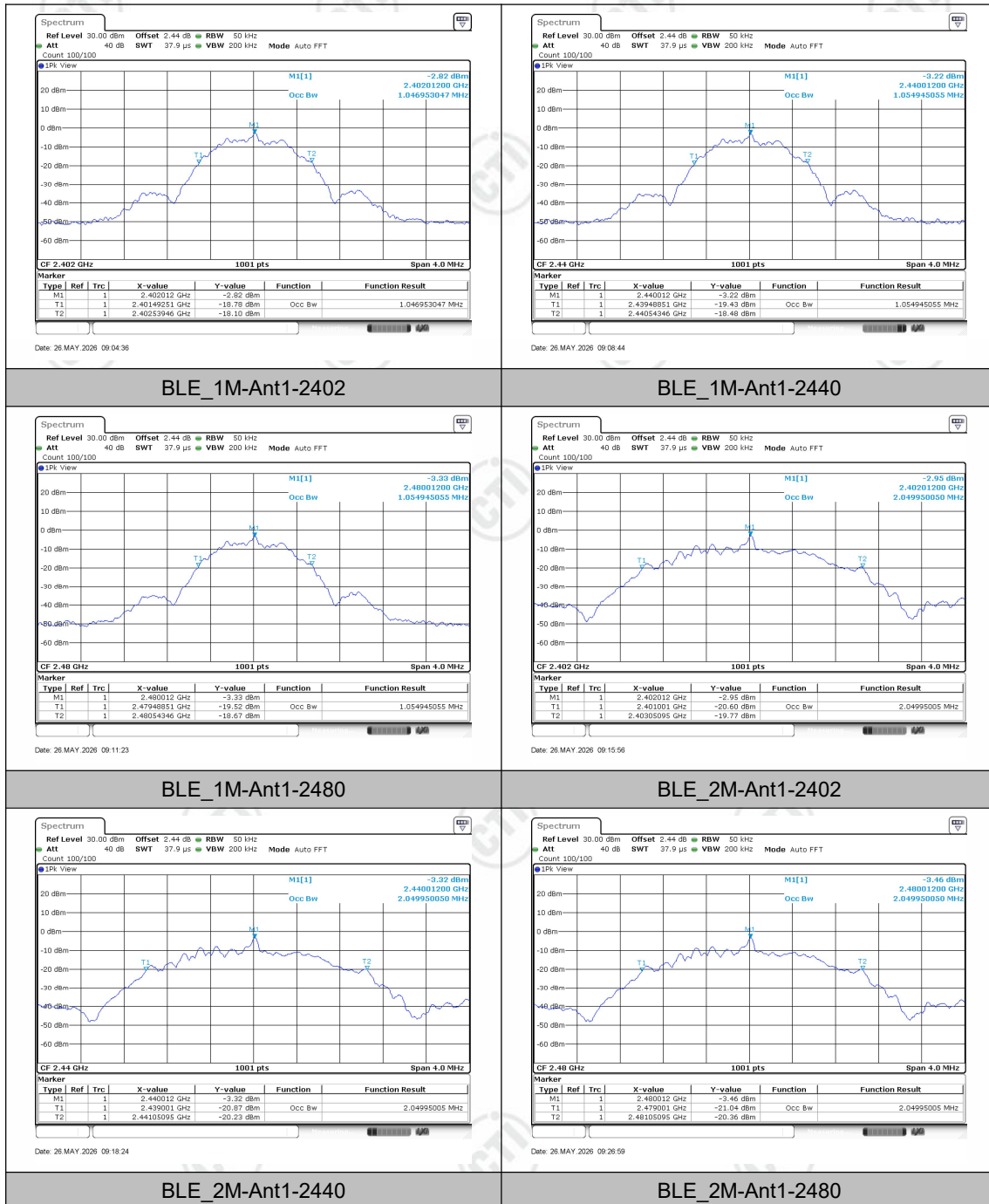


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0470	2401.4925	2402.5395
BLE_1M	Ant1	2440	1.0549	2439.4885	2440.5435
BLE_1M	Ant1	2480	1.0549	2479.4885	2480.5435
BLE_2M	Ant1	2402	2.0500	2401.0010	2403.0509
BLE_2M	Ant1	2440	2.0500	2439.0010	2441.0509
BLE_2M	Ant1	2480	2.0500	2479.0010	2481.0509

Test Graphs

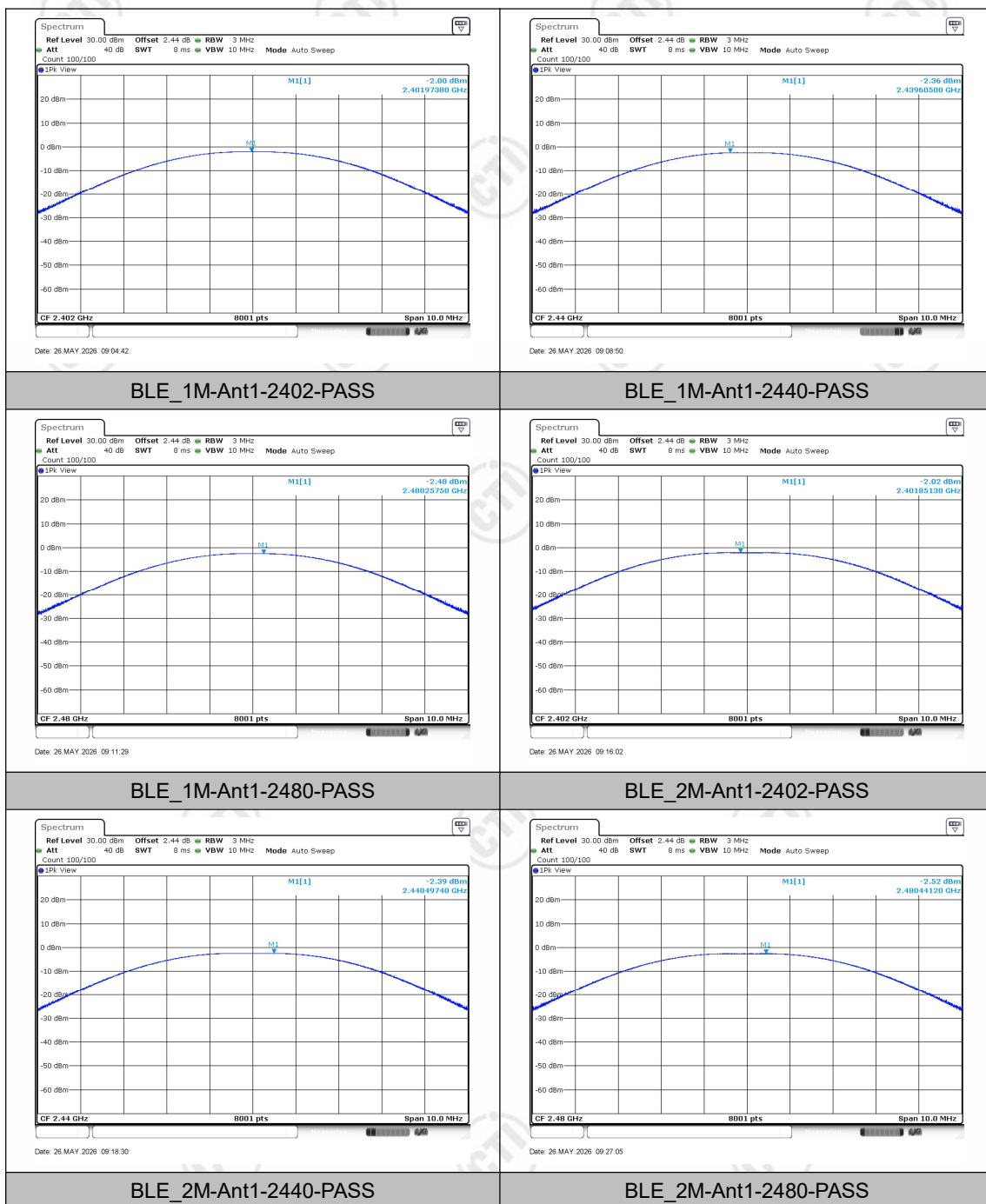


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.00	≤30	-0.89	≤36	PASS
BLE_1M	Ant1	2440	-2.36	≤30	-1.25	≤36	PASS
BLE_1M	Ant1	2480	-2.48	≤30	-1.37	≤36	PASS
BLE_2M	Ant1	2402	-2.02	≤30	-0.91	≤36	PASS
BLE_2M	Ant1	2440	-2.39	≤30	-1.28	≤36	PASS
BLE_2M	Ant1	2480	-2.52	≤30	-1.41	≤36	PASS

Test Graphs Peak

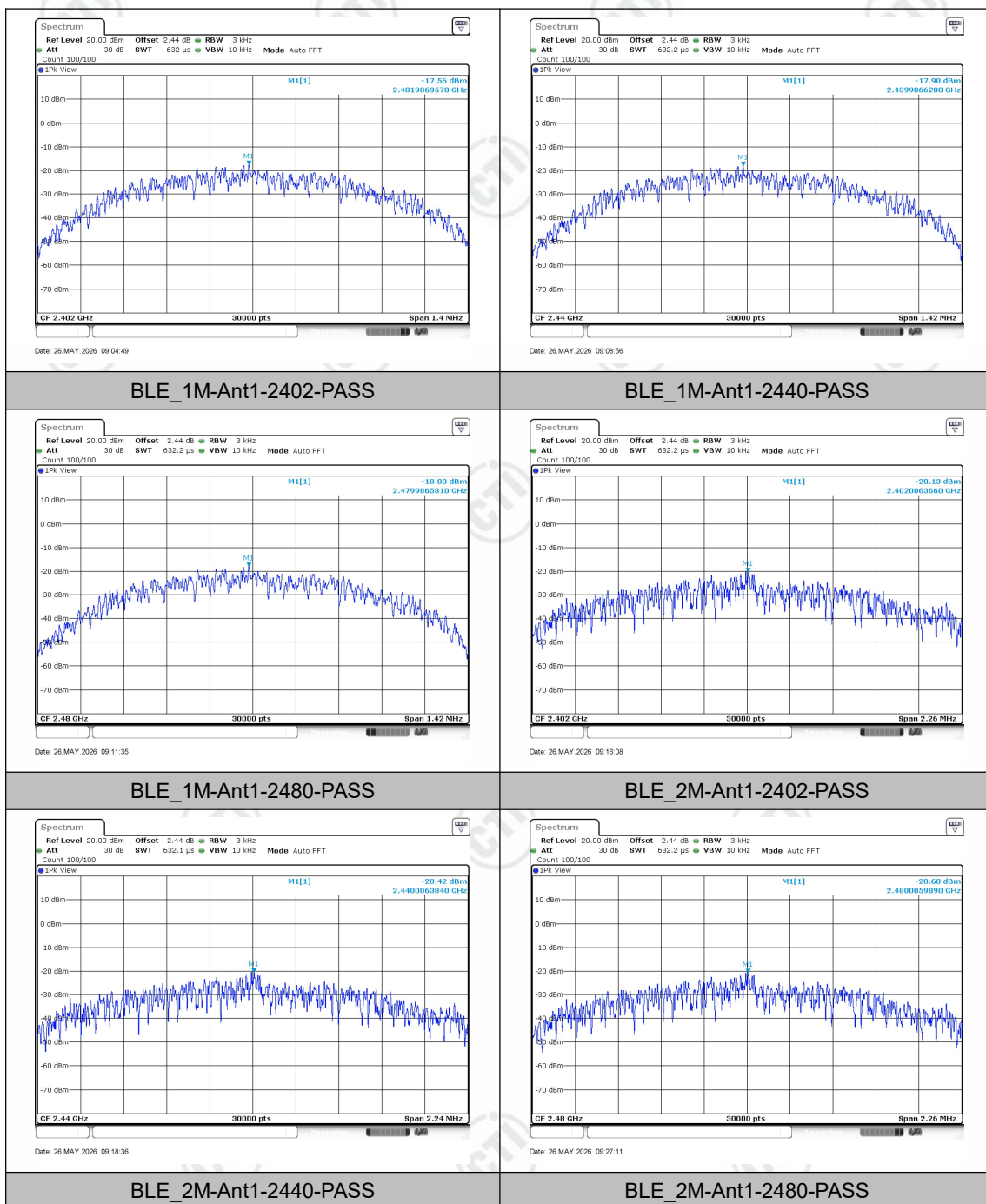


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.56	≤8.00	PASS
BLE_1M	Ant1	2440	-17.90	≤8.00	PASS
BLE_1M	Ant1	2480	-18.00	≤8.00	PASS
BLE_2M	Ant1	2402	-20.13	≤8.00	PASS
BLE_2M	Ant1	2440	-20.42	≤8.00	PASS
BLE_2M	Ant1	2480	-20.60	≤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	-2.29	-52.97	≤-22.29	PASS
BLE_1M	Ant1	High	2480	-2.84	-55.2	≤-22.84	PASS
BLE_2M	Ant1	Low	2402	-2.31	-35.27	≤-22.31	PASS
BLE_2M	Ant1	High	2480	-2.92	-54.78	≤-22.92	PASS