

Appendix: Bluetooth LE

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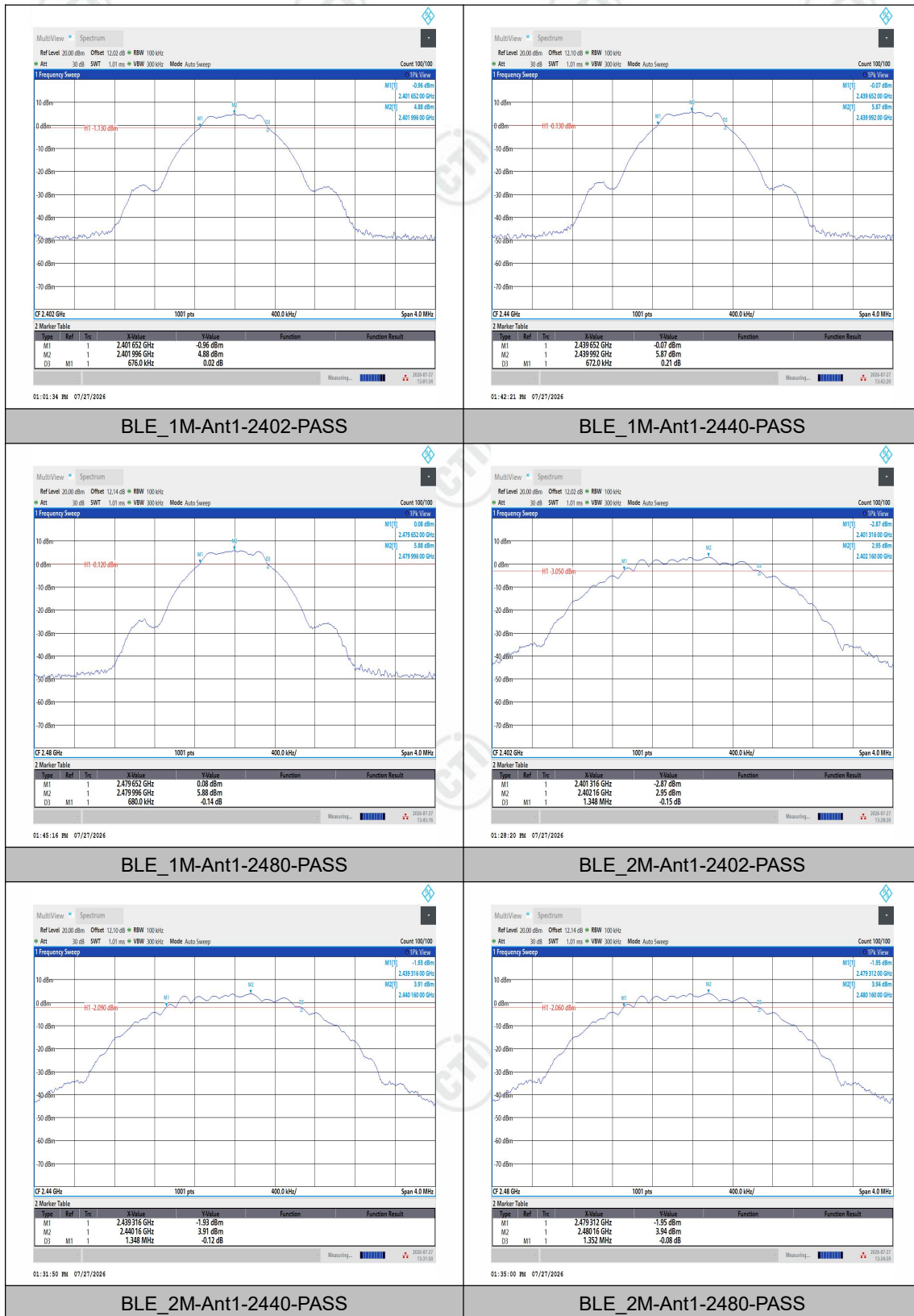
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Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.68	2401.65	2402.33	0.5	PASS
BLE_1M	Ant1	2440	0.67	2439.65	2440.32	0.5	PASS
BLE_1M	Ant1	2480	0.68	2479.65	2480.33	0.5	PASS
BLE_2M	Ant1	2402	1.35	2401.32	2402.66	0.5	PASS
BLE_2M	Ant1	2440	1.35	2439.32	2440.66	0.5	PASS
BLE_2M	Ant1	2480	1.35	2479.31	2480.66	0.5	PASS

Test Graphs

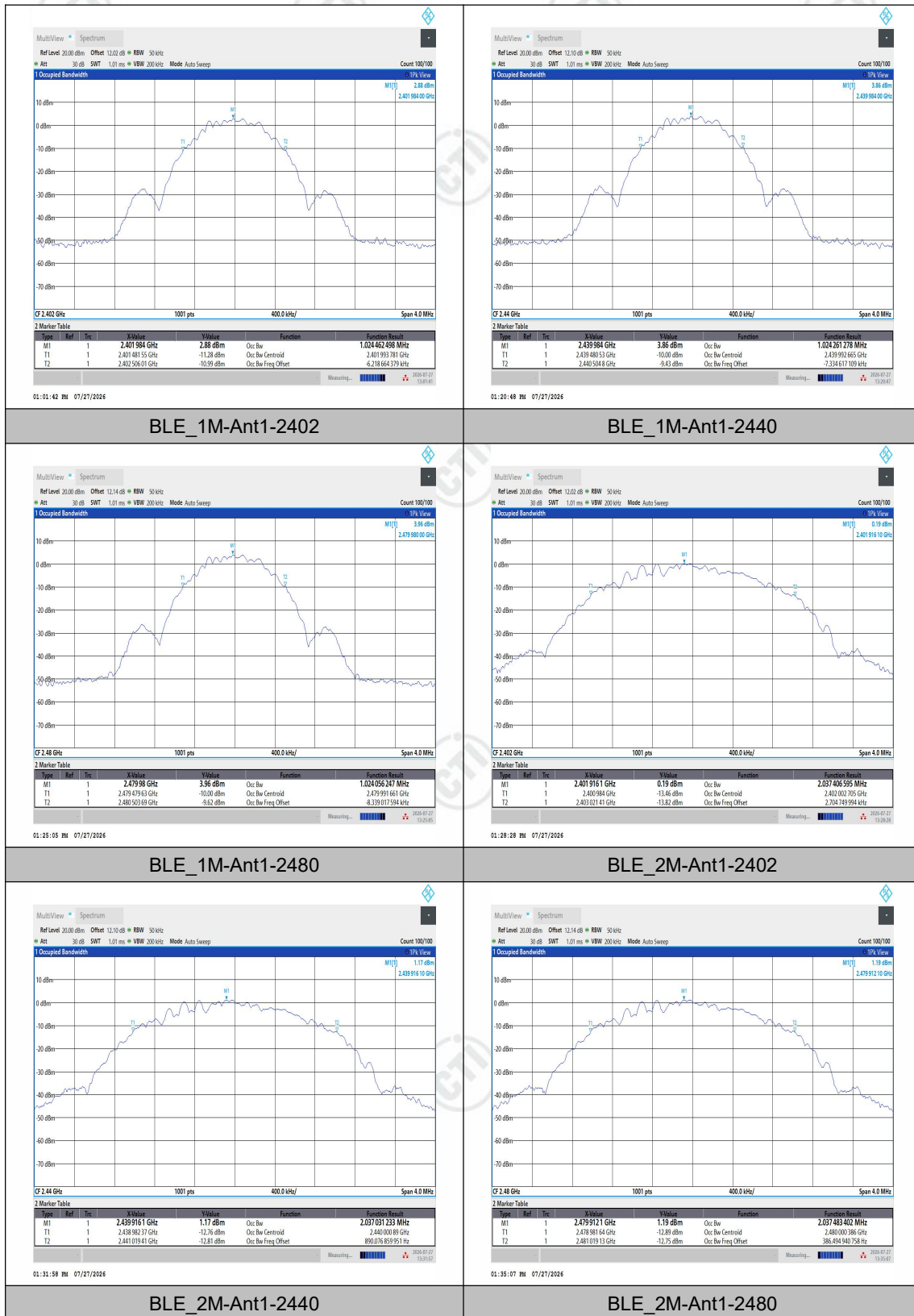


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0245	2401.4816	2402.5060	---	---
BLE_1M	Ant1	2440	1.0243	2439.4805	2440.5048	---	---
BLE_1M	Ant1	2480	1.0241	2479.4796	2480.5037	---	---
BLE_2M	Ant1	2402	2.0374	2400.9840	2403.0214	---	---
BLE_2M	Ant1	2440	2.0370	2438.9824	2441.0194	---	---
BLE_2M	Ant1	2480	2.0375	2478.9816	2481.0191	---	---

Test Graphs

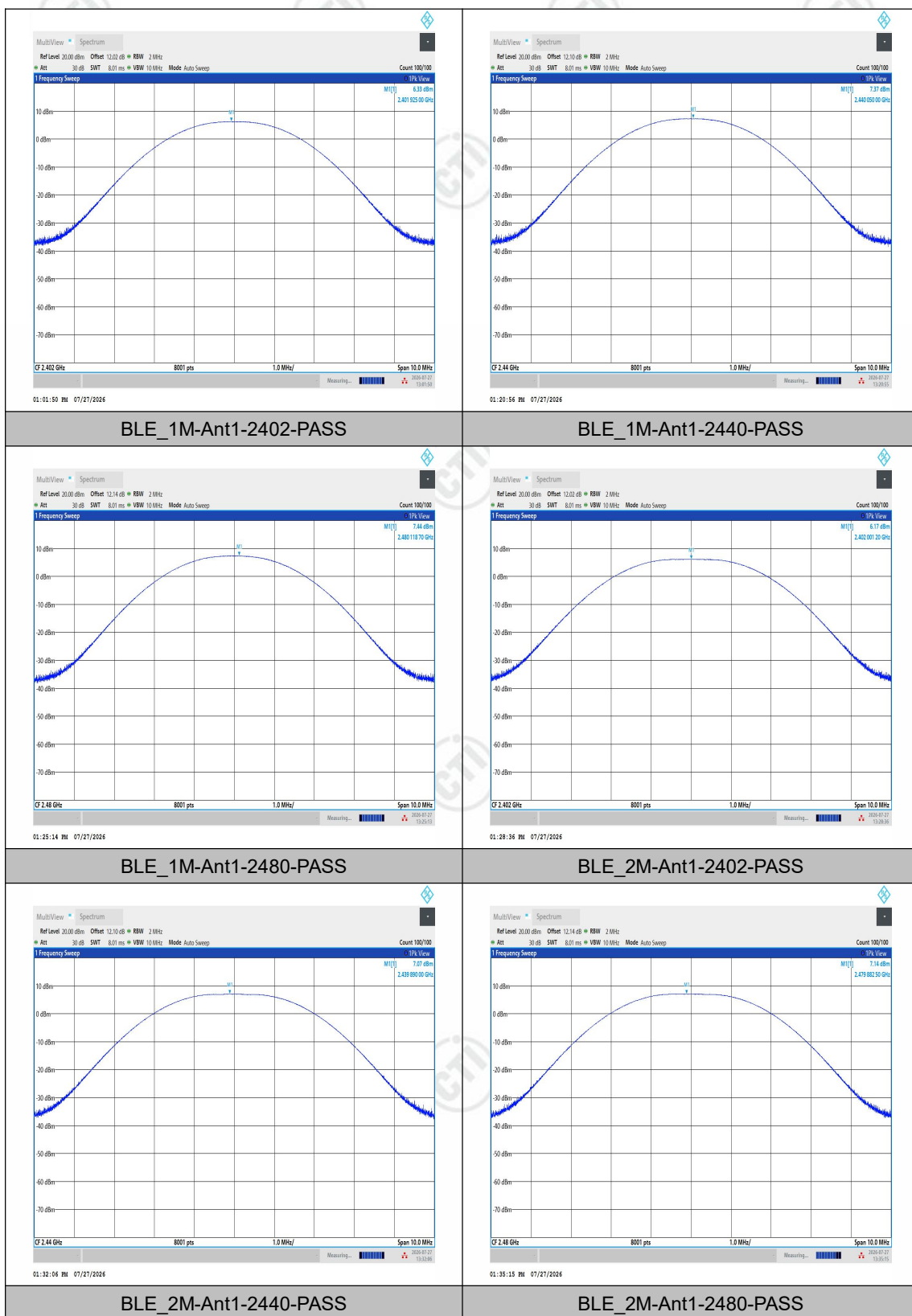


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	6.33	≤30	8.62	≤36	PASS
BLE_1M	Ant1	2440	7.37	≤30	9.66	≤36	PASS
BLE_1M	Ant1	2480	7.44	≤30	9.73	≤36	PASS
BLE_2M	Ant1	2402	6.17	≤30	8.46	≤36	PASS
BLE_2M	Ant1	2440	7.07	≤30	9.36	≤36	PASS
BLE_2M	Ant1	2480	7.14	≤30	9.43	≤36	PASS

Test Graphs Peak

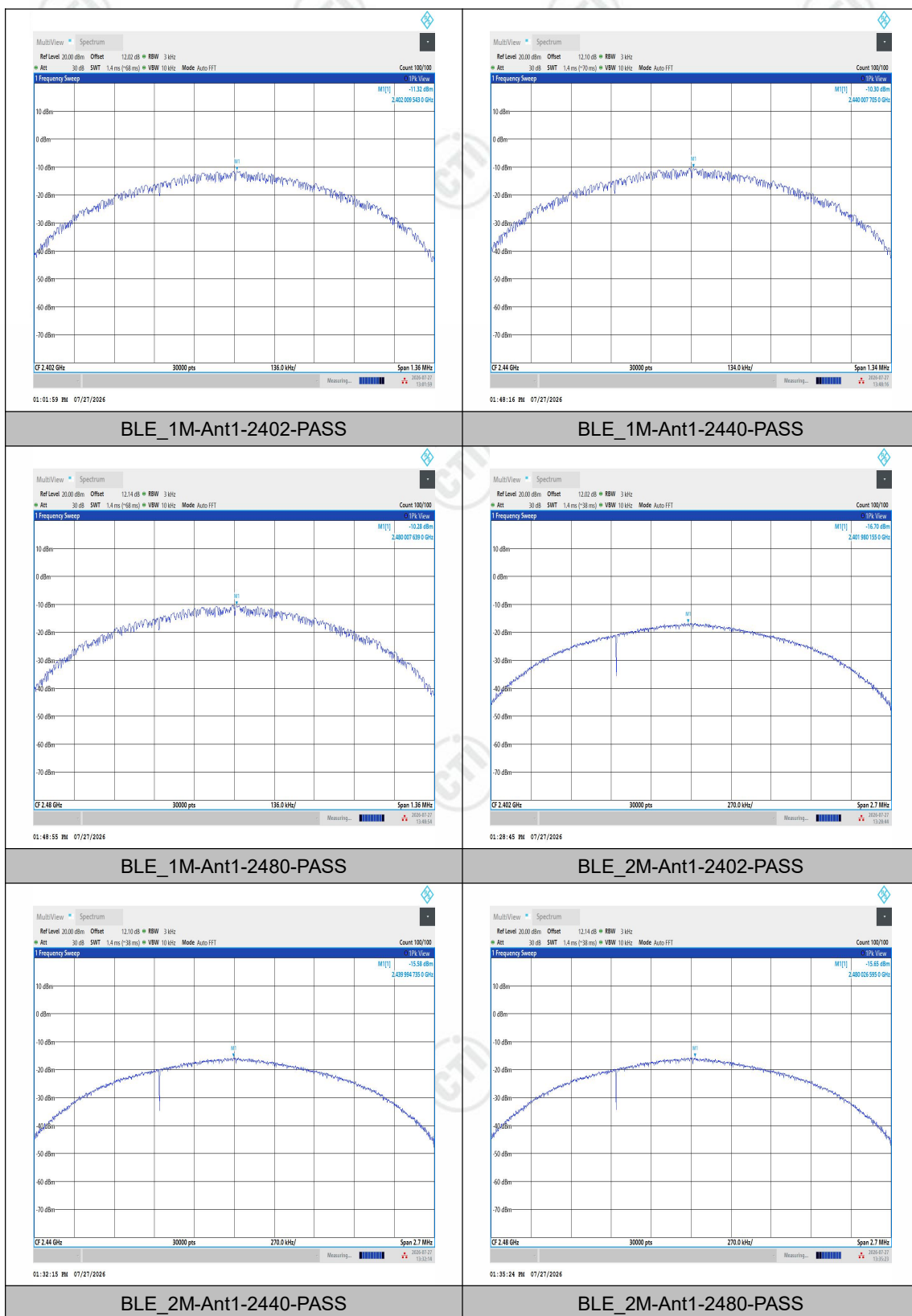


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.32	≤8.00	PASS
BLE_1M	Ant1	2440	-10.30	≤8.00	PASS
BLE_1M	Ant1	2480	-10.28	≤8.00	PASS
BLE_2M	Ant1	2402	-16.70	≤8.00	PASS
BLE_2M	Ant1	2440	-15.58	≤8.00	PASS
BLE_2M	Ant1	2480	-15.65	≤8.00	PASS

Test Graphs

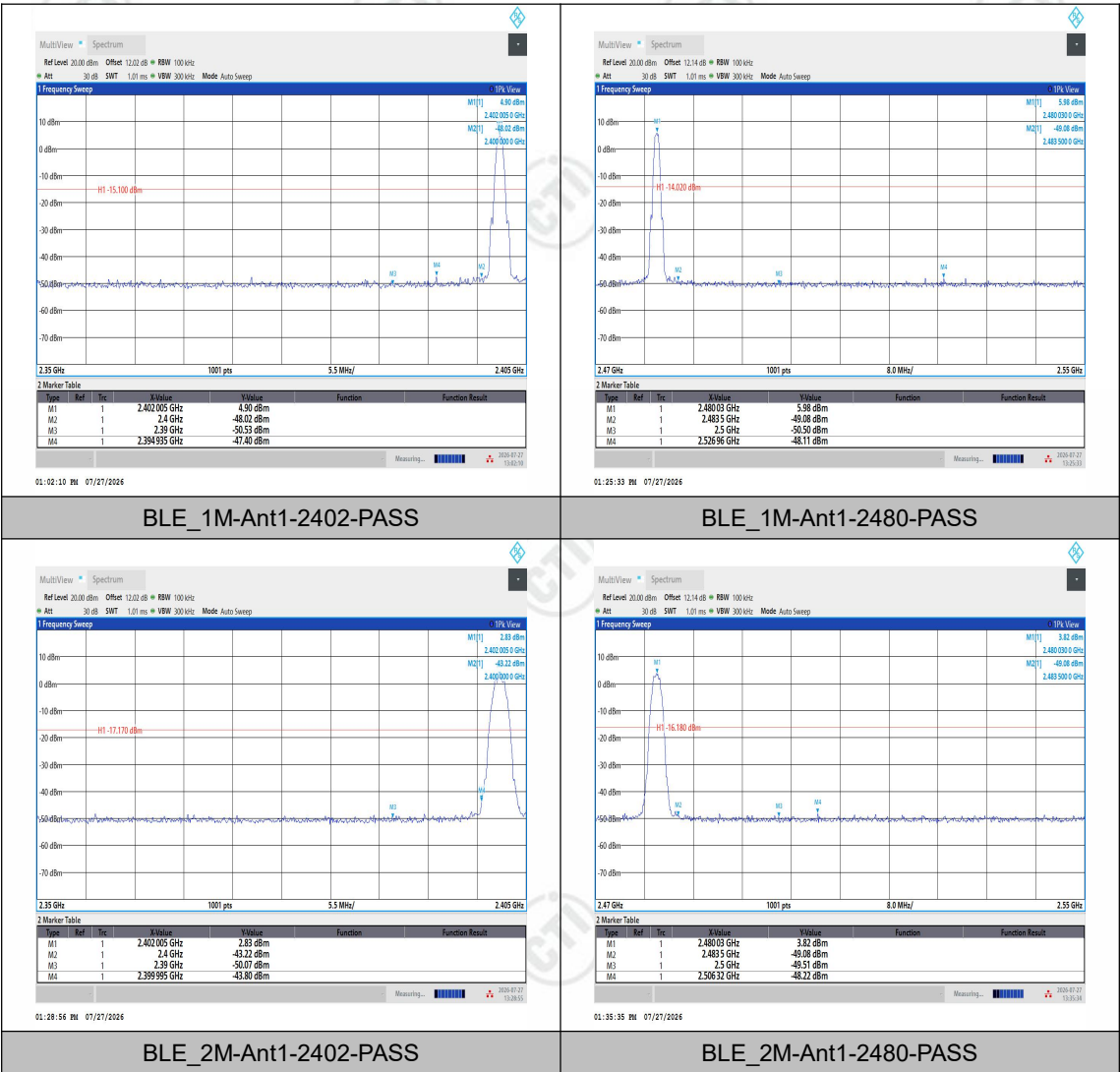


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.90	-47.4	≤-15.1	PASS
BLE_1M	Ant1	High	2480	5.98	-48.11	≤-14.02	PASS
BLE_2M	Ant1	Low	2402	2.83	-43.8	≤-17.17	PASS
BLE_2M	Ant1	High	2480	3.82	-48.22	≤-16.18	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	4.89	4.89	---	PASS
BLE_1M	Ant1	2402	30~1000	4.89	-59.08	≤-15.11	PASS
BLE_1M	Ant1	2402	1000~12750	4.89	-41.74	≤-15.11	PASS
BLE_1M	Ant1	2402	12750~26500	4.89	-27.88	≤-15.11	PASS
BLE_1M	Ant1	2440	0~Reference	5.92	5.92	---	PASS
BLE_1M	Ant1	2440	30~1000	5.92	-58.42	≤-14.08	PASS
BLE_1M	Ant1	2440	1000~12750	5.92	-31.94	≤-14.08	PASS
BLE_1M	Ant1	2440	12750~26500	5.92	-28.19	≤-14.08	PASS
BLE_1M	Ant1	2480	0~Reference	6.00	6.00	---	PASS
BLE_1M	Ant1	2480	30~1000	6.00	-59.72	≤-14	PASS
BLE_1M	Ant1	2480	1000~12750	6.00	-44.86	≤-14	PASS
BLE_1M	Ant1	2480	12750~26500	6.00	-28.35	≤-14	PASS
BLE_2M	Ant1	2402	0~Reference	2.90	2.90	---	PASS
BLE_2M	Ant1	2402	30~1000	2.90	-59.4	≤-17.1	PASS
BLE_2M	Ant1	2402	1000~12750	2.90	-46.05	≤-17.1	PASS
BLE_2M	Ant1	2402	12750~26500	2.90	-28.05	≤-17.1	PASS
BLE_2M	Ant1	2440	0~Reference	3.84	3.84	---	PASS
BLE_2M	Ant1	2440	30~1000	3.84	-58.12	≤-16.16	PASS
BLE_2M	Ant1	2440	1000~12750	3.84	-45.39	≤-16.16	PASS
BLE_2M	Ant1	2440	12750~26500	3.84	-28.26	≤-16.16	PASS
BLE_2M	Ant1	2480	0~Reference	3.88	3.88	---	PASS
BLE_2M	Ant1	2480	30~1000	3.88	-58.85	≤-16.12	PASS
BLE_2M	Ant1	2480	1000~12750	3.88	-41.15	≤-16.12	PASS
BLE_2M	Ant1	2480	12750~26500	3.88	-28.01	≤-16.12	PASS