

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	0.68	2401.68	2402.36	0.5	PASS
		2440	0.68	2439.68	2440.36	0.5	PASS
		2480	0.69	2479.67	2480.36	0.5	PASS
BLE_2M	Ant1	2402	1.14	2401.44	2402.58	0.5	PASS
		2440	1.13	2439.45	2440.58	0.5	PASS
		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]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.038	2401.505	2402.542	---	---
		2440	1.038	2439.504	2440.542	---	---
		2480	1.062	2479.488	2480.550	---	---
BLE_2M	Ant1	2402	2.072	2400.984	2403.056	---	---
		2440	2.075	2438.982	2441.057	---	---
		2480	2.096	2478.967	2481.064	---	---

Test Graphs







Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.32	≤30	PASS
		2440	4.97	≤30	PASS
		2480	4.11	≤30	PASS
BLE_2M	Ant1	2402	5.22	≤30	PASS
		2440	4.92	≤30	PASS
		2480	4.24	≤30	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	-8.62	≤8.00	PASS
		2440	-9.03	≤8.00	PASS
		2480	-9.63	≤8.00	PASS
BLE_2M	Ant1	2402	-11.78	≤8.00	PASS
		2440	-11.8	≤8.00	PASS
		2480	-12.48	≤8.00	PASS

Test Graphs

