

Appendix B: Test Results of Bluetooth LE

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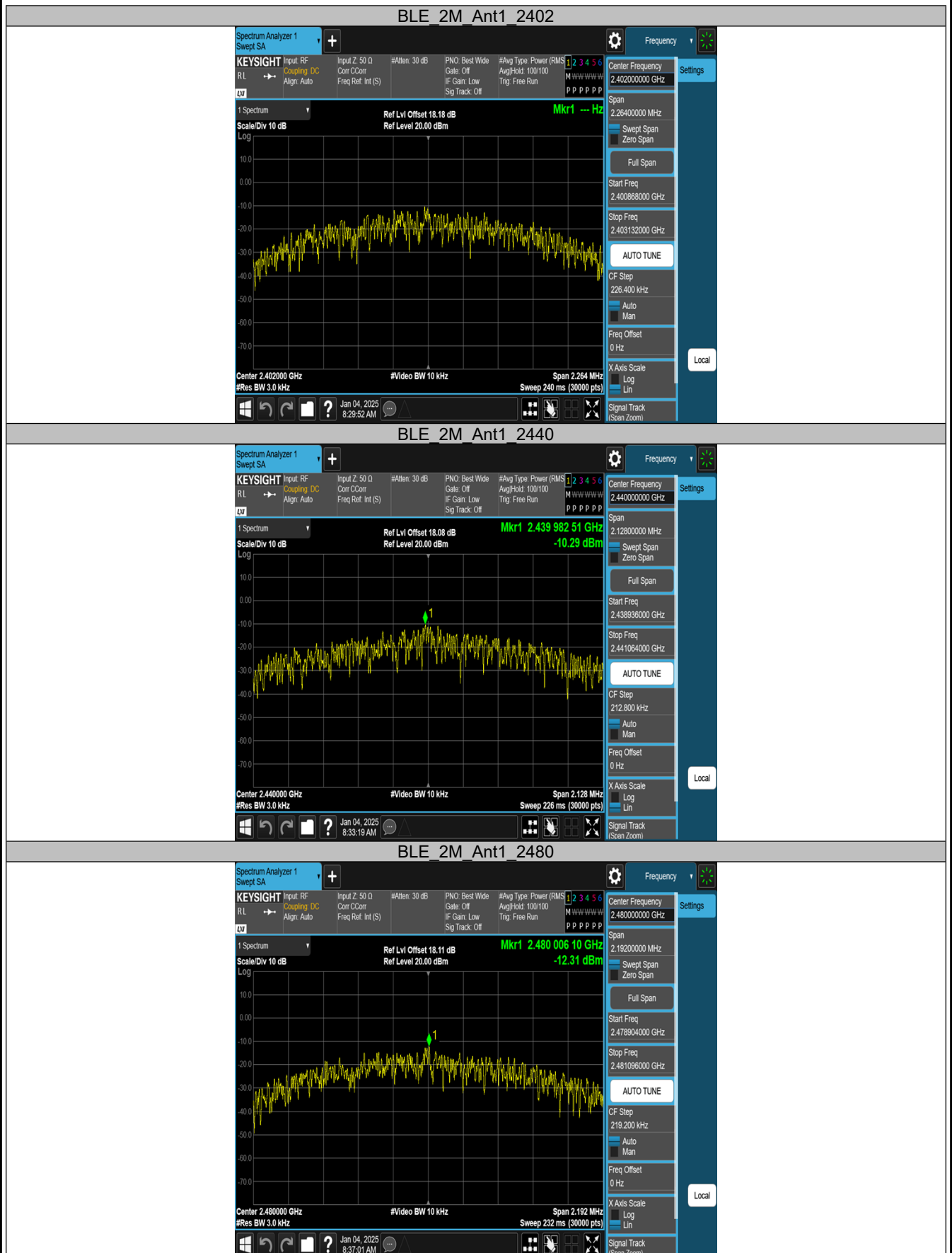
Appendix B.1: Test Results of Conducted Power Spectral Density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.01	≤8.00	PASS
		2440	-8.93	≤8.00	PASS
		2480	-10.79	≤8.00	PASS
BLE_2M	Ant1	2402	-10.29	≤8.00	PASS
		2440	-10.29	≤8.00	PASS
		2480	-12.31	≤8.00	PASS

Test Graphs





Appendix B.2: Test Results of 6dB Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.684	2401.680	2402.364	0.5	PASS
		2440	0.688	2439.660	2440.348	0.5	PASS
		2480	0.668	2479.672	2480.340	0.5	PASS
BLE_2M	Ant1	2402	1.132	2401.444	2402.576	0.5	PASS
		2440	1.064	2439.460	2440.524	0.5	PASS
		2480	1.096	2479.468	2480.564	0.5	PASS

Test Graphs



BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480

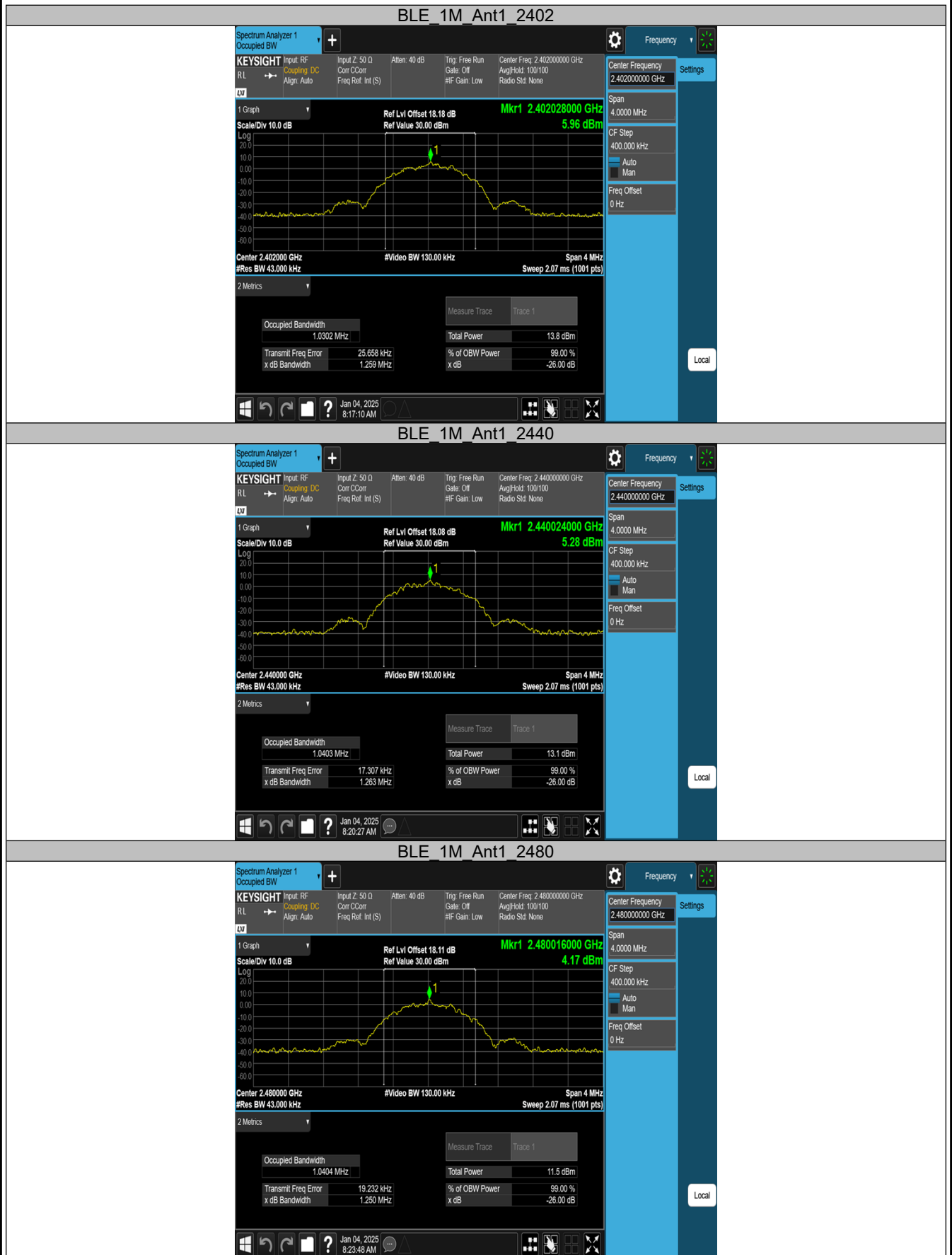


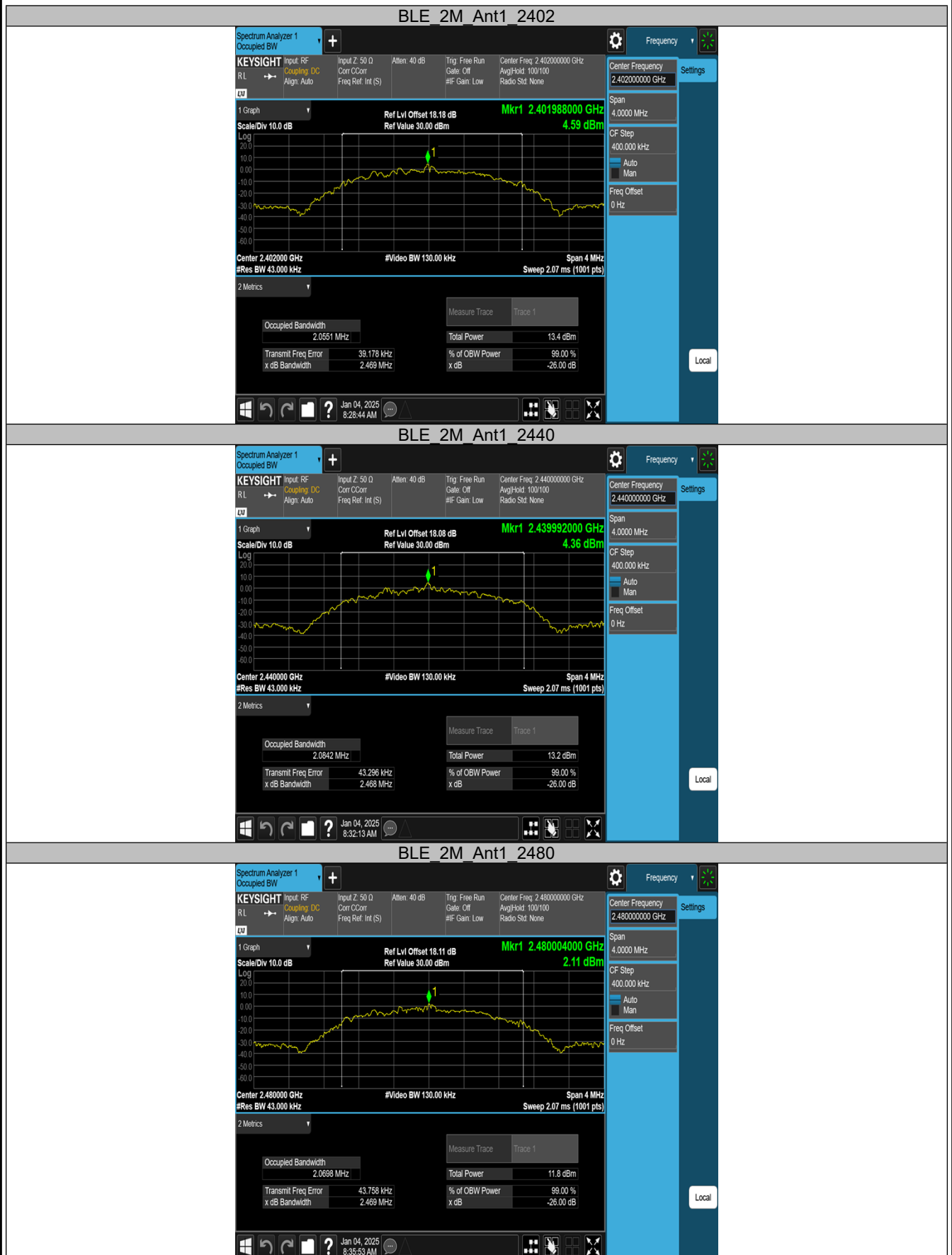
Appendix B.3: Test Results of 99% Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0302	2401.5106	2402.5408	---	PASS
		2440	1.0403	2439.4972	2440.5375	---	PASS
		2480	1.0404	2479.4990	2480.5394	---	PASS
BLE_2M	Ant1	2402	2.0551	2401.0116	2403.0667	---	PASS
		2440	2.0842	2439.0012	2441.0854	---	PASS
		2480	2.0698	2479.0089	2481.0787	---	PASS

Test Graphs





Appendix B.4: Test Results of Band Edge Measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.84	-45.94	≤-13.16	PASS
		High	2480	5.56	-44.46	≤-14.44	PASS
BLE_2M	Ant1	Low	2402	6.49	-26.58	≤-13.51	PASS
		High	2480	5.57	-43.31	≤-14.43	PASS

Test Graphs

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480



BLE_2M_Ant1_Low_2402





Appendix B.5: Test Results of Conducted Spurious Emissions

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	6.66	6.66	---	PASS
			30~1000	6.66	-42.25	≤-13.34	PASS
			1000~26500	6.66	-33.93	≤-13.34	PASS
		2440	Reference	5.91	5.91	---	PASS
			30~1000	5.91	-42.85	≤-14.09	PASS
			1000~26500	5.91	-34.29	≤-14.09	PASS
		2480	Reference	4.26	4.26	---	PASS
			30~1000	4.26	-41.69	≤-15.74	PASS
			1000~26500	4.26	-33.59	≤-15.74	PASS
BLE_2M	Ant1	2402	Reference	6.74	6.74	---	PASS
			30~1000	6.74	-42.52	≤-13.26	PASS
			1000~26500	6.74	-33.05	≤-13.26	PASS
		2440	Reference	6.46	6.46	---	PASS
			30~1000	6.46	-41.82	≤-13.54	PASS
			1000~26500	6.46	-32.66	≤-13.54	PASS
		2480	Reference	4.56	4.56	---	PASS
			30~1000	4.56	-41.97	≤-15.44	PASS
			1000~26500	4.56	-33.33	≤-15.44	PASS

Test Graphs

BLE 1M_Ant1_2402_0~Reference



BLE 1M_Ant1_2402_30~1000



BLE 1M_Ant1_2402_1000~26500

