

Appendix for BLE

Product Name: Air Circulator Fan

Model No: DR-HPF007S

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.736	2401.616	2402.352	0.5	PASS
BLE_1M	Ant1	2440	0.724	2439.644	2440.368	0.5	PASS
BLE_1M	Ant1	2480	0.732	2479.640	2480.372	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	1.0392	2401.4725	2402.5117	---	---
BLE_1M	Ant1	2440	1.0445	2439.4797	2440.5242	---	---
BLE_1M	Ant1	2480	1.0378	2479.4934	2480.5312	---	---

Test Graphs

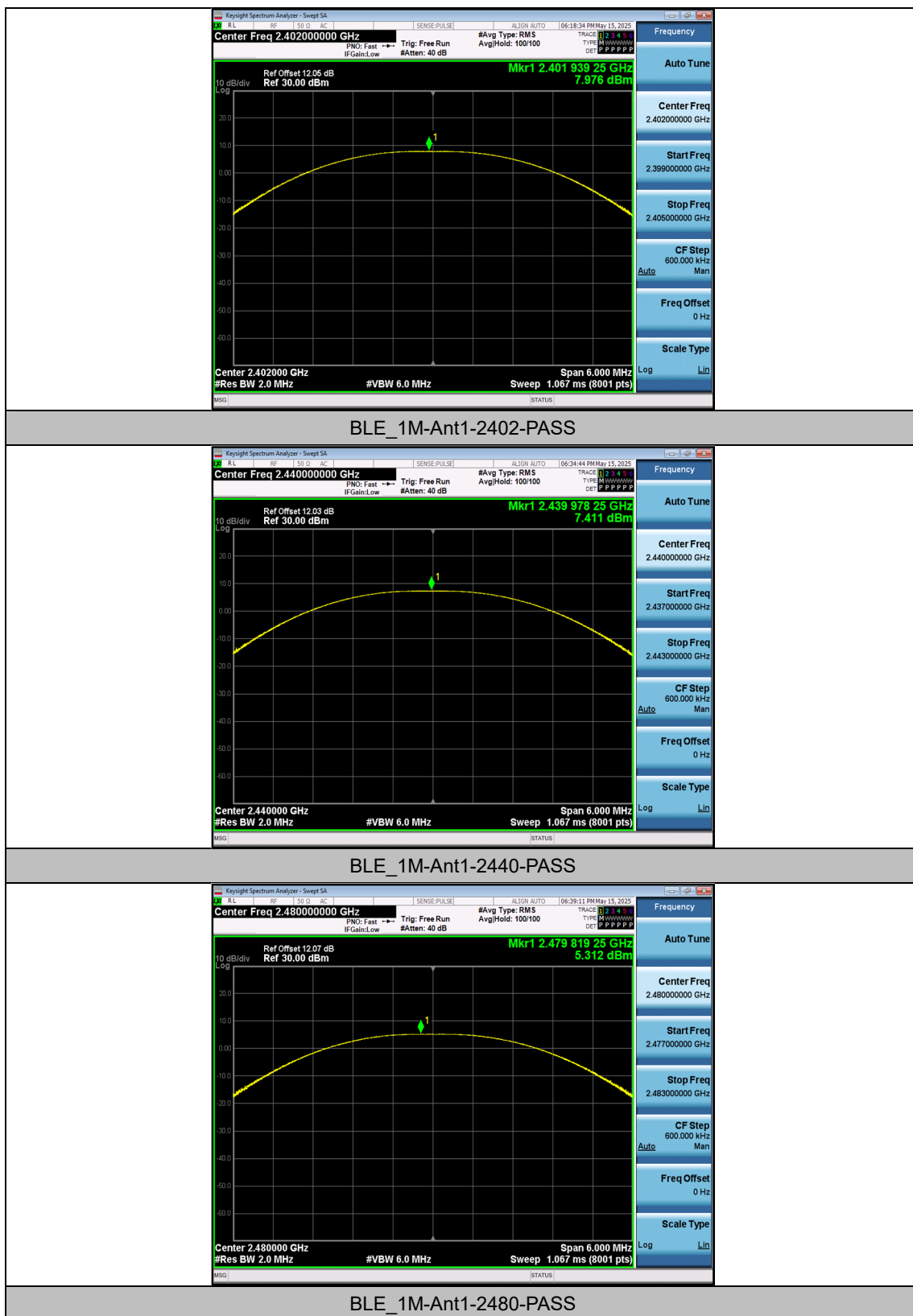


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	7.98	≤30	PASS
BLE_1M	Ant1	2440	7.41	≤30	PASS
BLE_1M	Ant1	2480	5.31	≤30	PASS

Test Graphs Peak

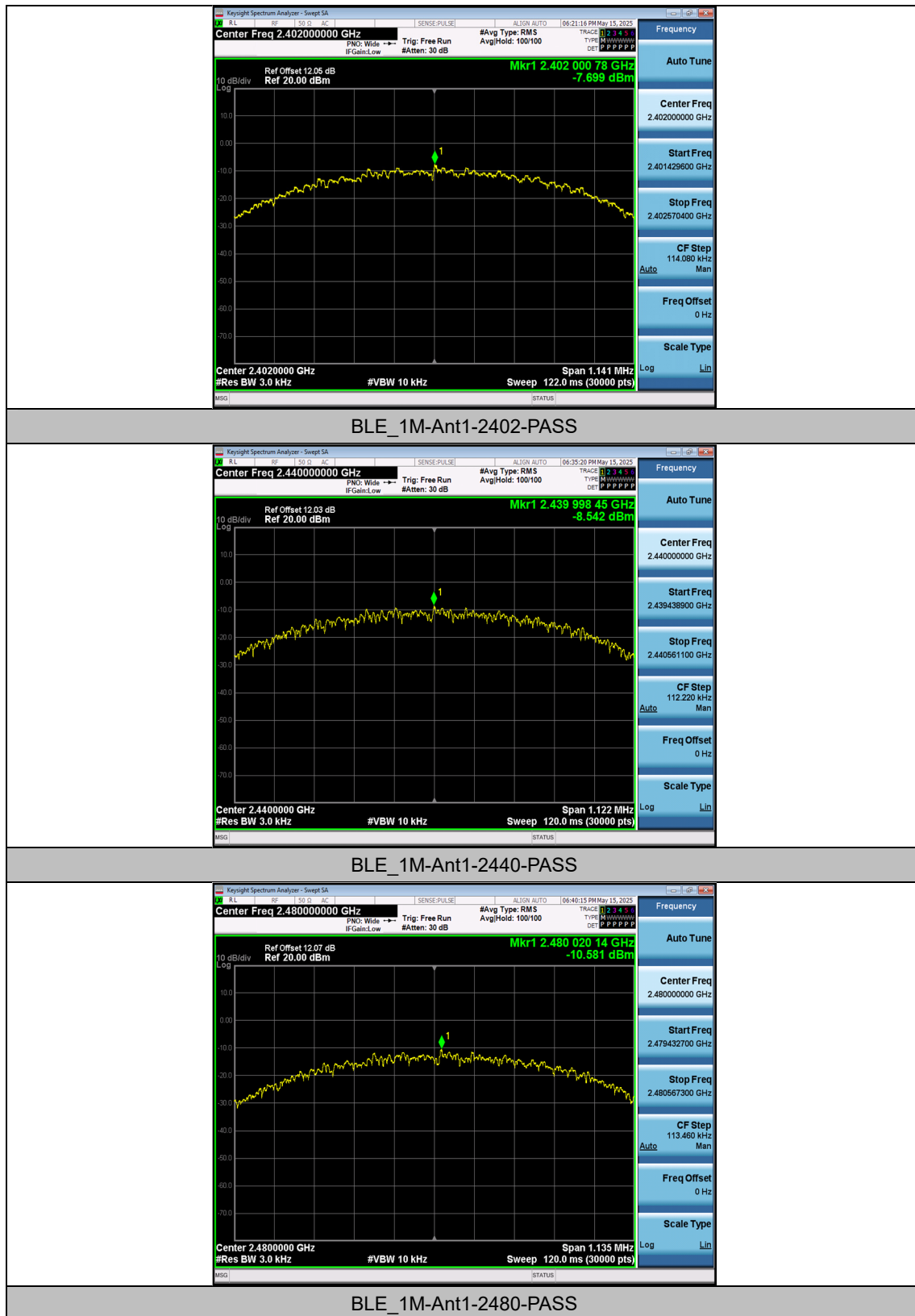


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-7.70	≤8.00	PASS
BLE_1M	Ant1	2440	-8.54	≤8.00	PASS
BLE_1M	Ant1	2480	-10.58	≤8.00	PASS

Test Graphs



Appendix E: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2402.27	6.56
BLE_1M	Ant1	2440	2440.26	6.14
BLE_1M	Ant1	2480	2480.27	3.92

Test Graphs

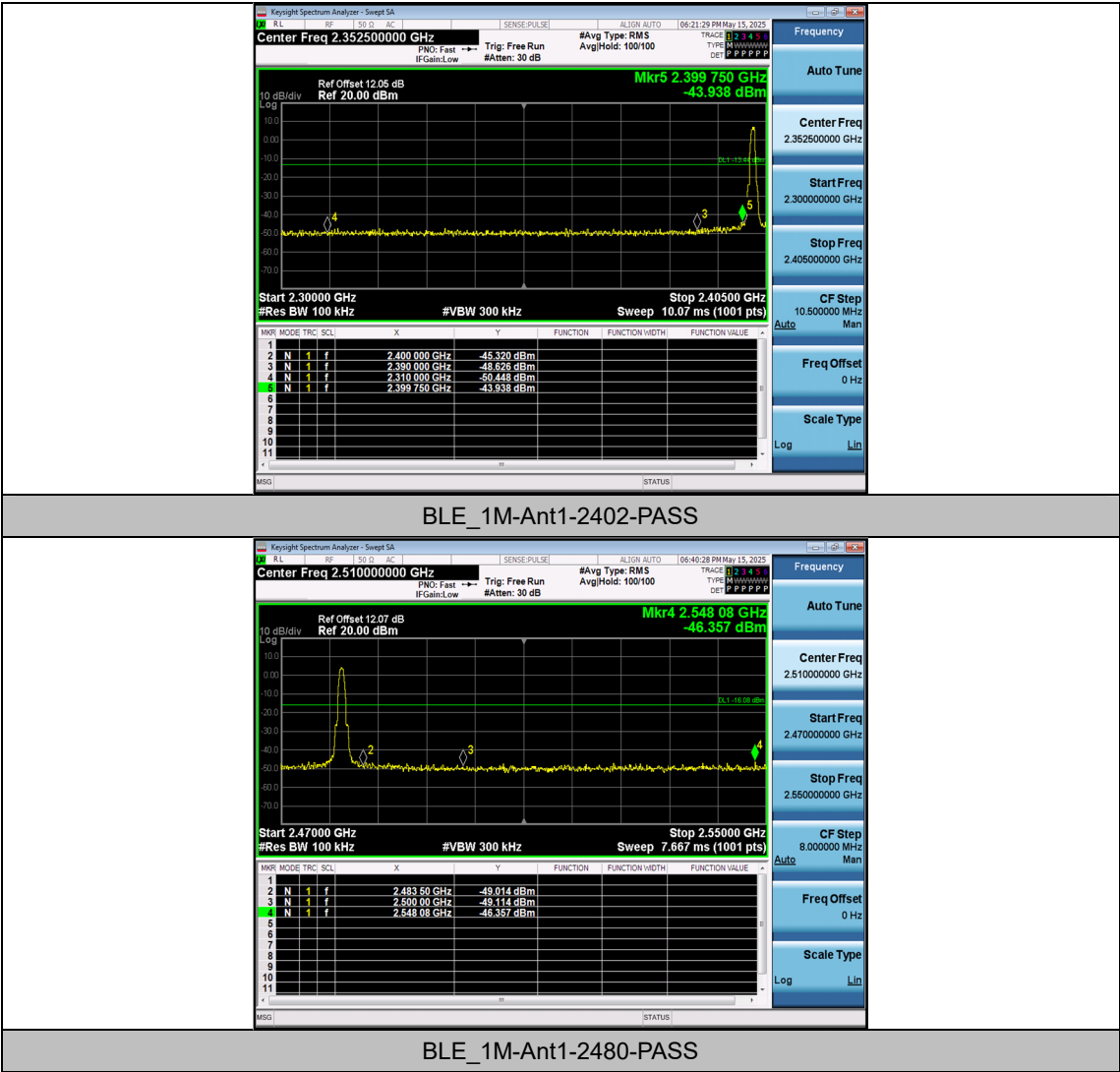


Appendix F: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.56	-43.94	≤ -13.44	PASS
BLE_1M	Ant1	High	2480	3.92	-46.36	≤ -16.08	PASS

Test Graphs



Appendix G: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~1000	6.56	-58.15	≤-13.44	PASS
BLE_1M	Ant1	2402	1000~26500	6.56	-44.08	≤-13.44	PASS
BLE_1M	Ant1	2440	30~1000	6.14	-58.5	≤-13.86	PASS
BLE_1M	Ant1	2440	1000~26500	6.14	-43.79	≤-13.86	PASS
BLE_1M	Ant1	2480	30~1000	3.92	-59.09	≤-16.08	PASS
BLE_1M	Ant1	2480	1000~26500	3.92	-44.23	≤-16.08	PASS

Test Graphs

