

Appendix for Bluetooth

Product Name: WIFI+BLE Module

Model No: UAM056

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.636	2401.636	2402.272	0.5	PASS
BLE_1M	Ant1	2440	0.632	2439.628	2440.260	0.5	PASS
BLE_1M	Ant1	2480	0.636	2479.632	2480.268	0.5	PASS

Test Graphs

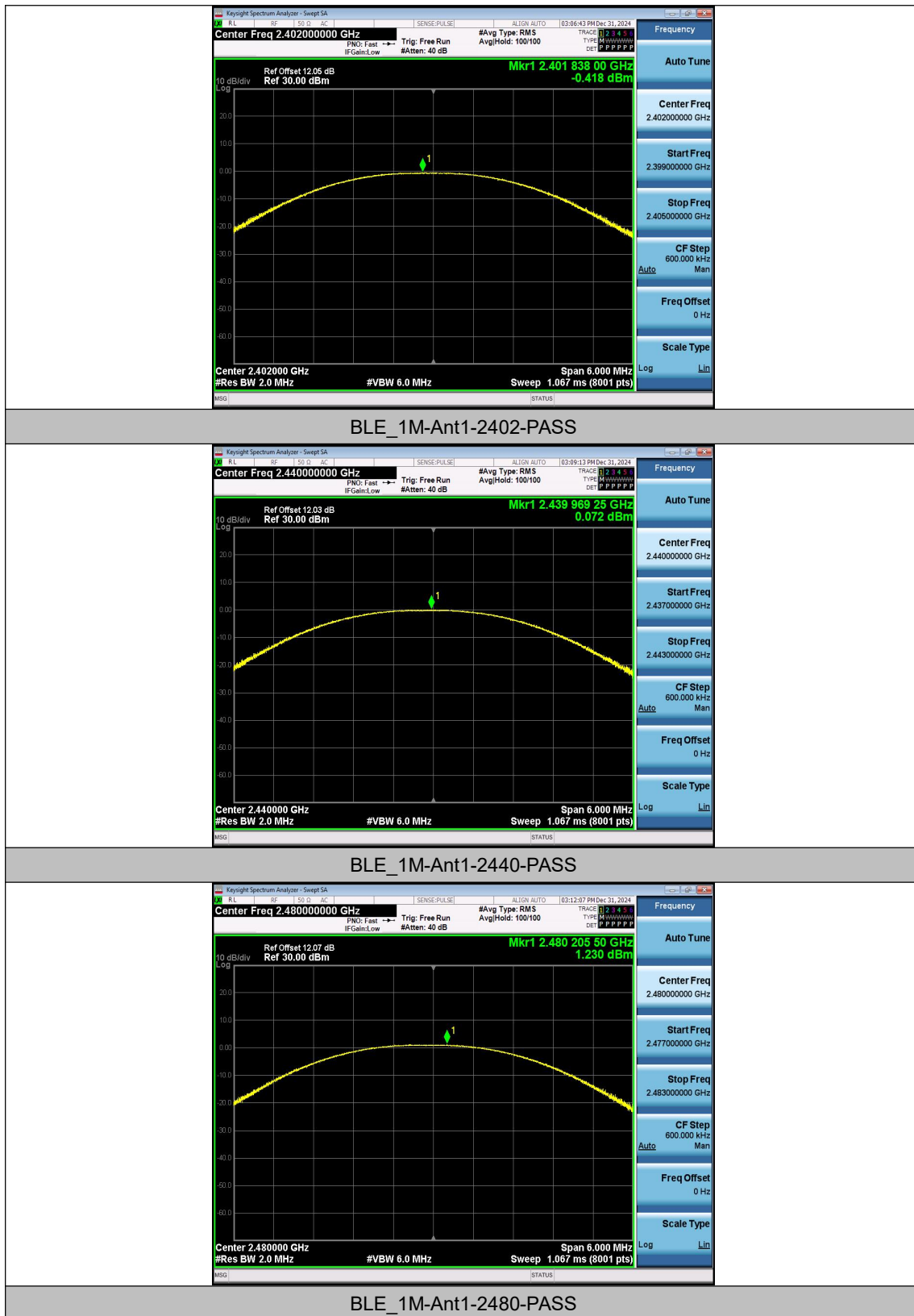


Appendix B: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.42	≤30	PASS
BLE_1M	Ant1	2440	0.07	≤30	PASS
BLE_1M	Ant1	2480	1.23	≤30	PASS

Test Graphs Peak

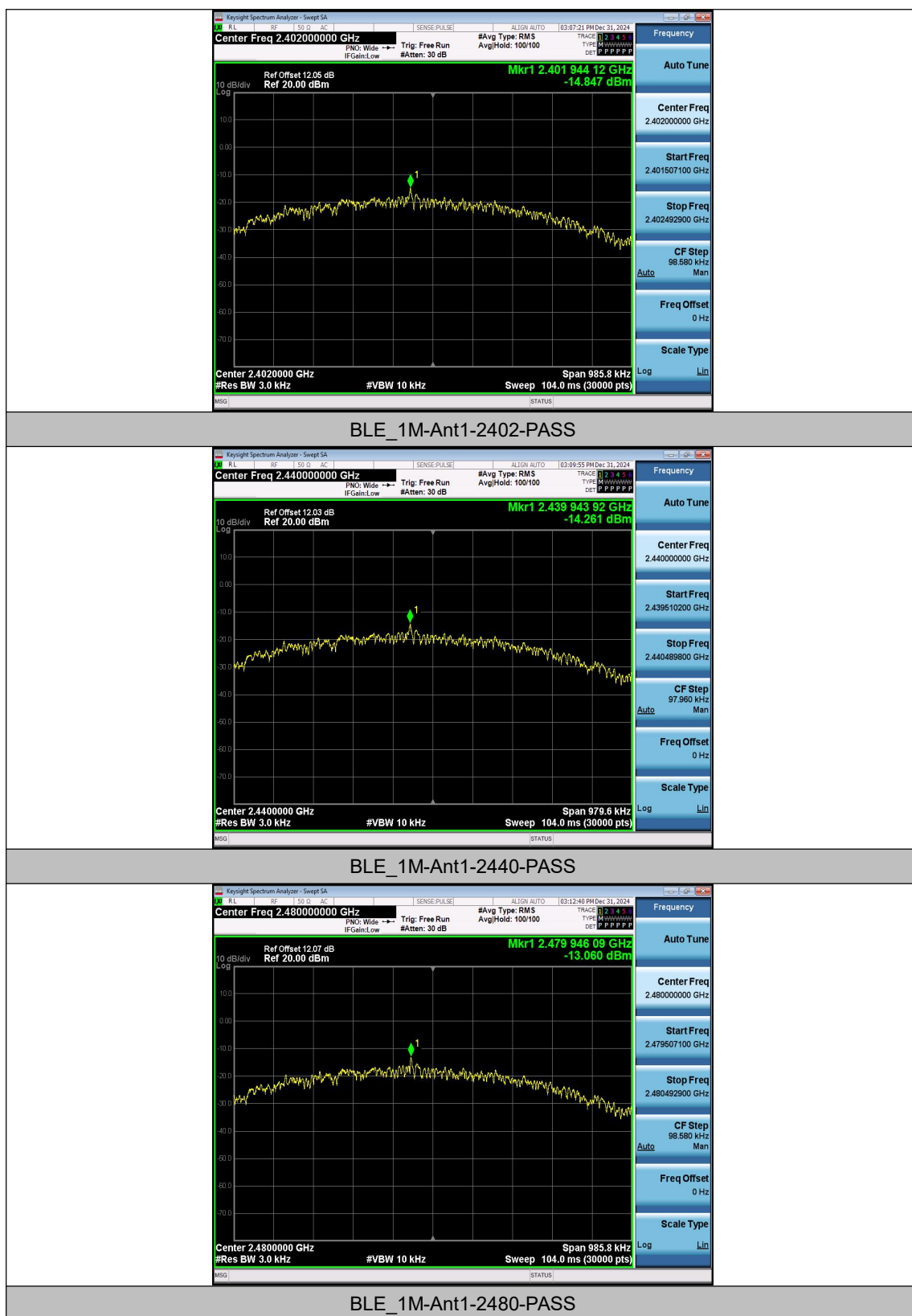


Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.85	≤8.00	PASS
BLE_1M	Ant1	2440	-14.26	≤8.00	PASS
BLE_1M	Ant1	2480	-13.06	≤8.00	PASS

Test Graphs

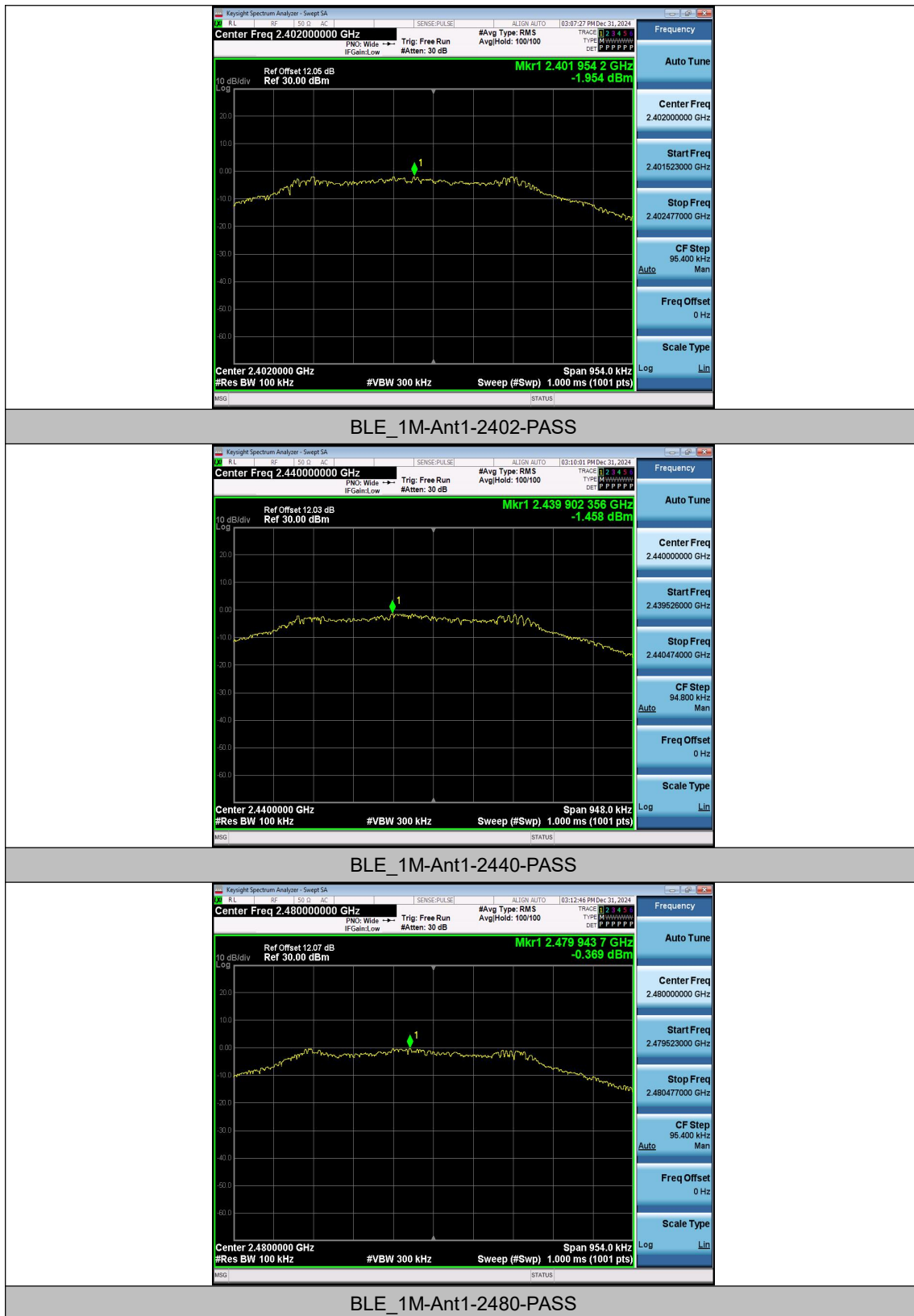


Appendix D: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2401.95	-1.95
BLE_1M	Ant1	2440	2439.90	-1.46
BLE_1M	Ant1	2480	2479.94	-0.37

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	-1.95	-46.63	≤-21.95	PASS
BLE_1M	Ant1	High	2480	-0.37	-46.26	≤-20.37	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	30~1000	-1.95	-58.91	≤-21.95	PASS
BLE_1M	Ant1	2402	1000~26500	-1.95	-44.29	≤-21.95	PASS
BLE_1M	Ant1	2440	30~1000	-1.46	-58.85	≤-21.46	PASS
BLE_1M	Ant1	2440	1000~26500	-1.46	-44.57	≤-21.46	PASS
BLE_1M	Ant1	2480	30~1000	-0.37	-58.57	≤-20.37	PASS
BLE_1M	Ant1	2480	1000~26500	-0.37	-43.53	≤-20.37	PASS

Test Graphs

