

Appendix for Bluetooth

Product Name: USB Combo Module
Model No: 6223E-UUC

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.748	2401.632	2402.380	0.5	PASS
BLE_1M	Ant1	2440	0.708	2439.656	2440.364	0.5	PASS
BLE_1M	Ant1	2480	0.732	2479.636	2480.368	0.5	PASS

Test Graphs

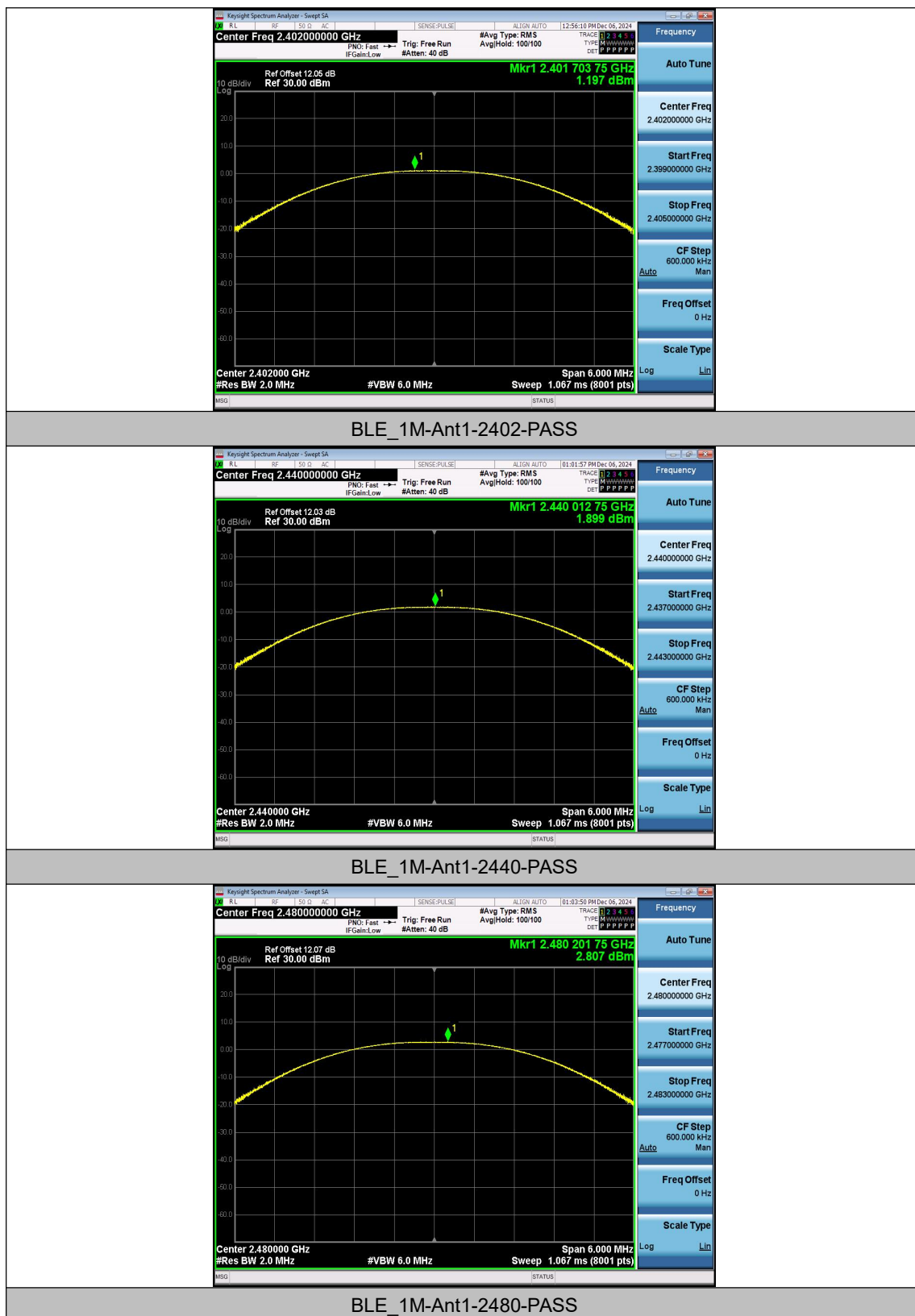


Appendix B: Maximum conducted output power

Test Result

TestMode	Antenna	Frequency [MHz]	Conducted Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.20	≤30	1.20	≤36	PASS
BLE_1M	Ant1	2440	1.90	≤30	1.90	≤36	PASS
BLE_1M	Ant1	2480	2.81	≤30	2.81	≤36	PASS

Test Graphs Peak

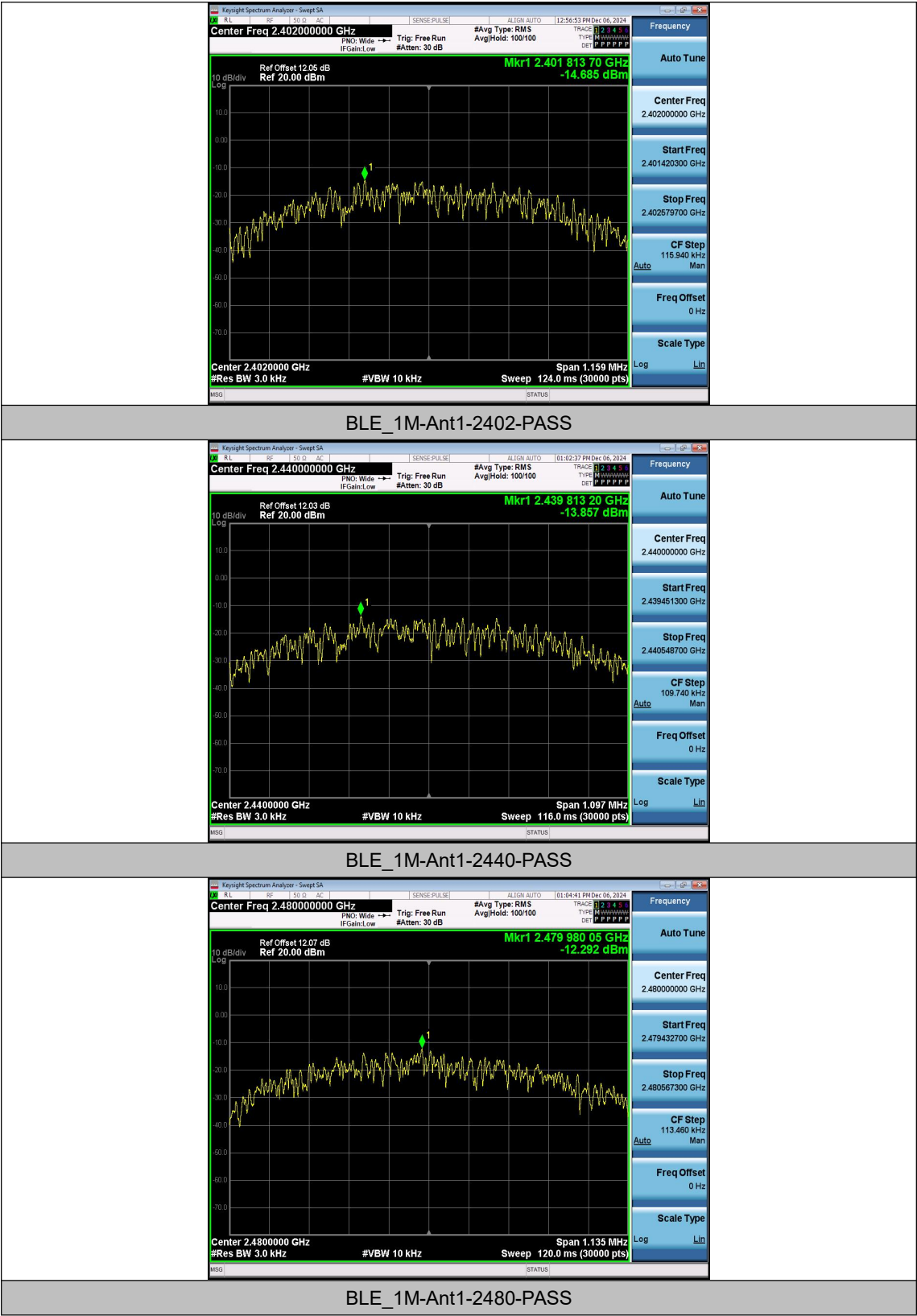


Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.69	≤8.00	PASS
BLE_1M	Ant1	2440	-13.86	≤8.00	PASS
BLE_1M	Ant1	2480	-12.29	≤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	2402.01	0.31
BLE_1M	Ant1	2440	2440.00	1.00
BLE_1M	Ant1	2480	2480.00	1.89

Test Graphs

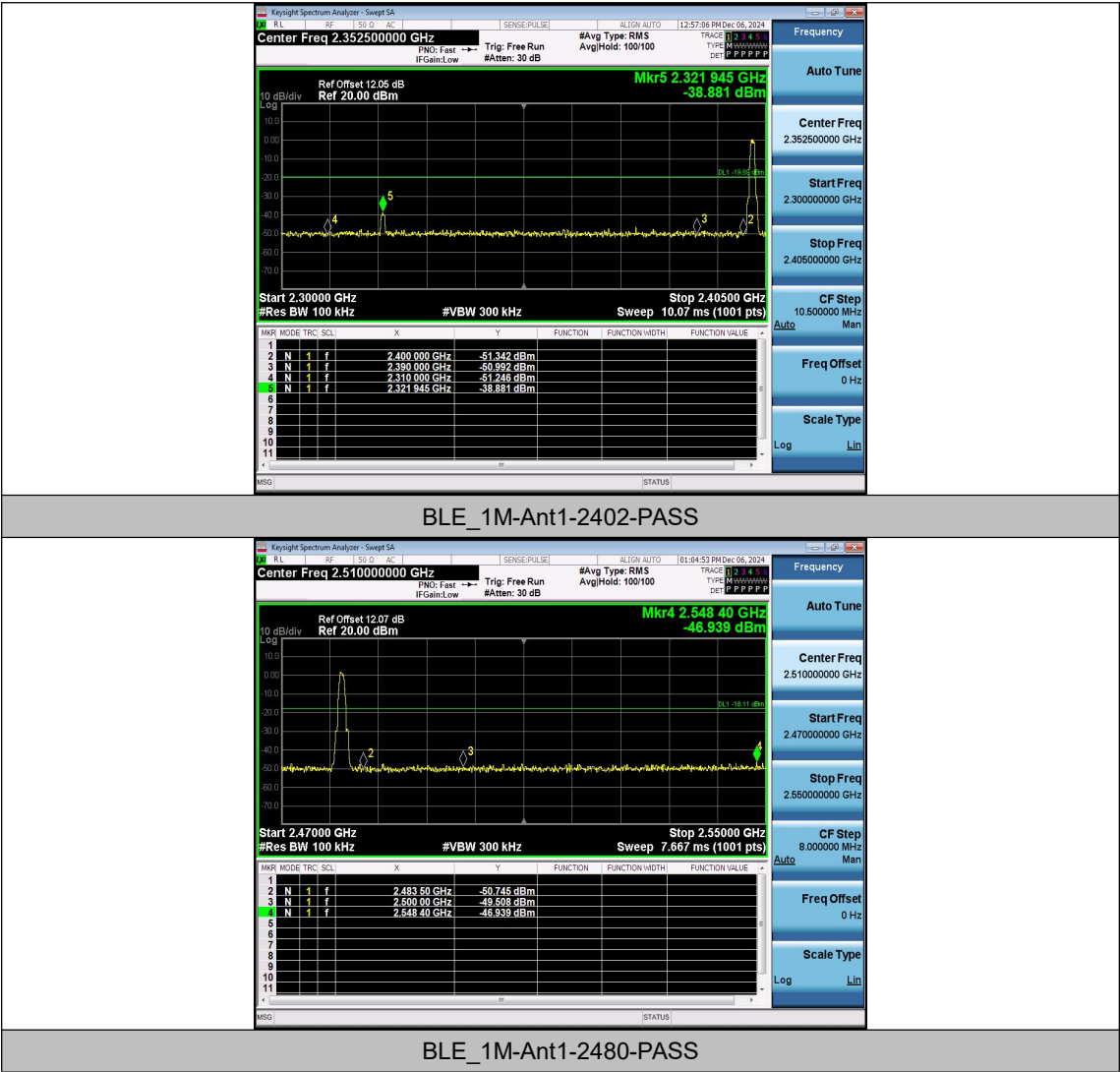


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.31	-38.88	≤-19.69	PASS
BLE_1M	Ant1	High	2480	1.89	-46.94	≤-18.11	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	0.31	-57.61	≤-19.69	PASS
BLE_1M	Ant1	2402	1000~26500	0.31	-39.87	≤-19.69	PASS
BLE_1M	Ant1	2440	30~1000	1.00	-56.33	≤-19	PASS
BLE_1M	Ant1	2440	1000~26500	1.00	-40.14	≤-19	PASS
BLE_1M	Ant1	2480	30~1000	1.89	-56.75	≤-18.11	PASS
BLE_1M	Ant1	2480	1000~26500	1.89	-38.19	≤-18.11	PASS

Test Graphs

