

Appendix for Bluetooth BLE mode

Product Name: Govee RGBWW Smart LED Bulb
Model No: H6008

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.664	2401.656	2402.320	0.5	PASS
BLE_1M	Ant1	2440	0.620	2439.680	2440.300	0.5	PASS
BLE_1M	Ant1	2480	0.668	2479.656	2480.324	0.5	PASS

Test Graphs

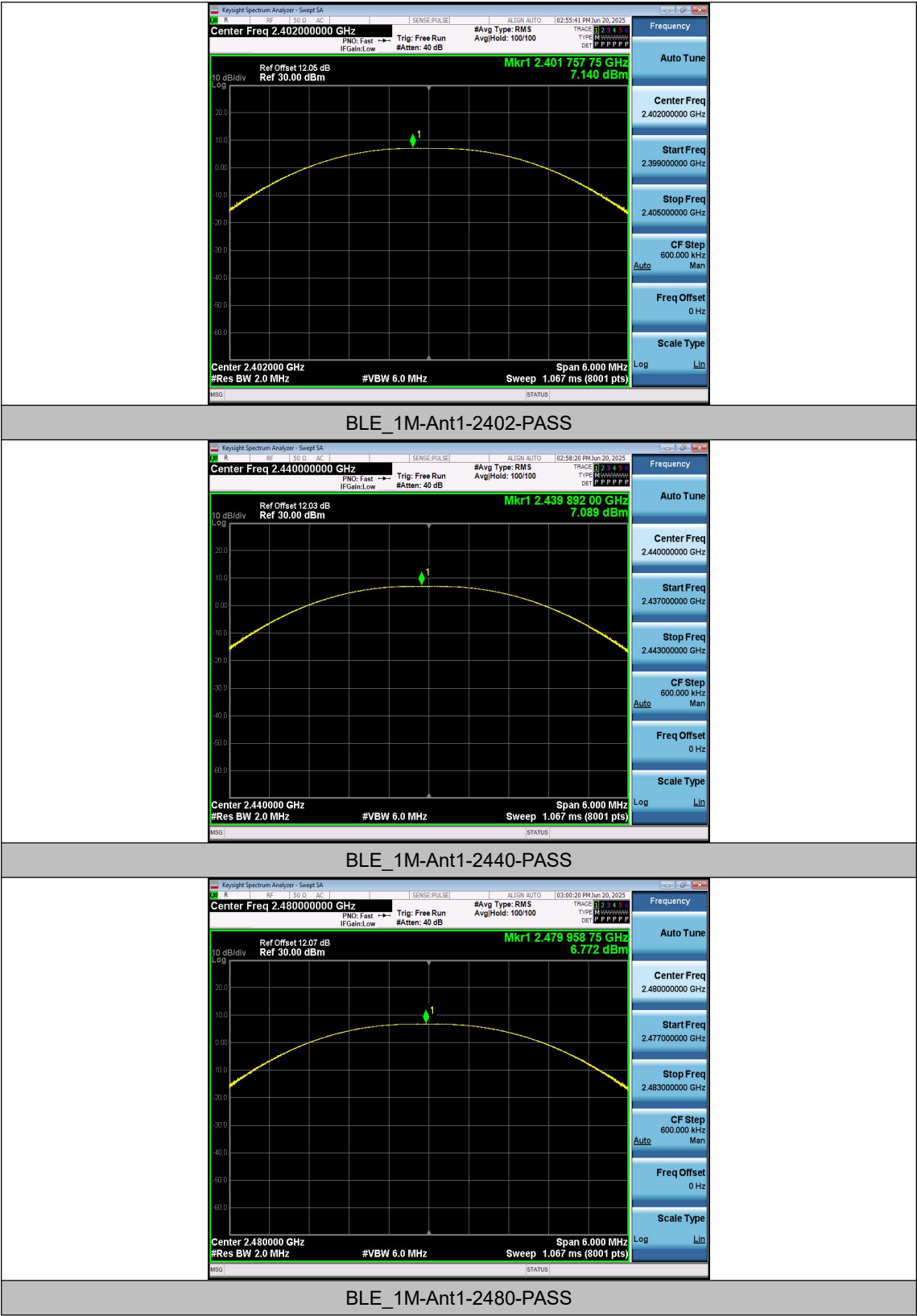


Appendix B: Maximum conducted output power

Test Result

TestMode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	7.14	≤30	PASS
BLE_1M	Ant1	2440	7.09	≤30	PASS
BLE_1M	Ant1	2480	6.77	≤30	PASS

Test Graphs Peak

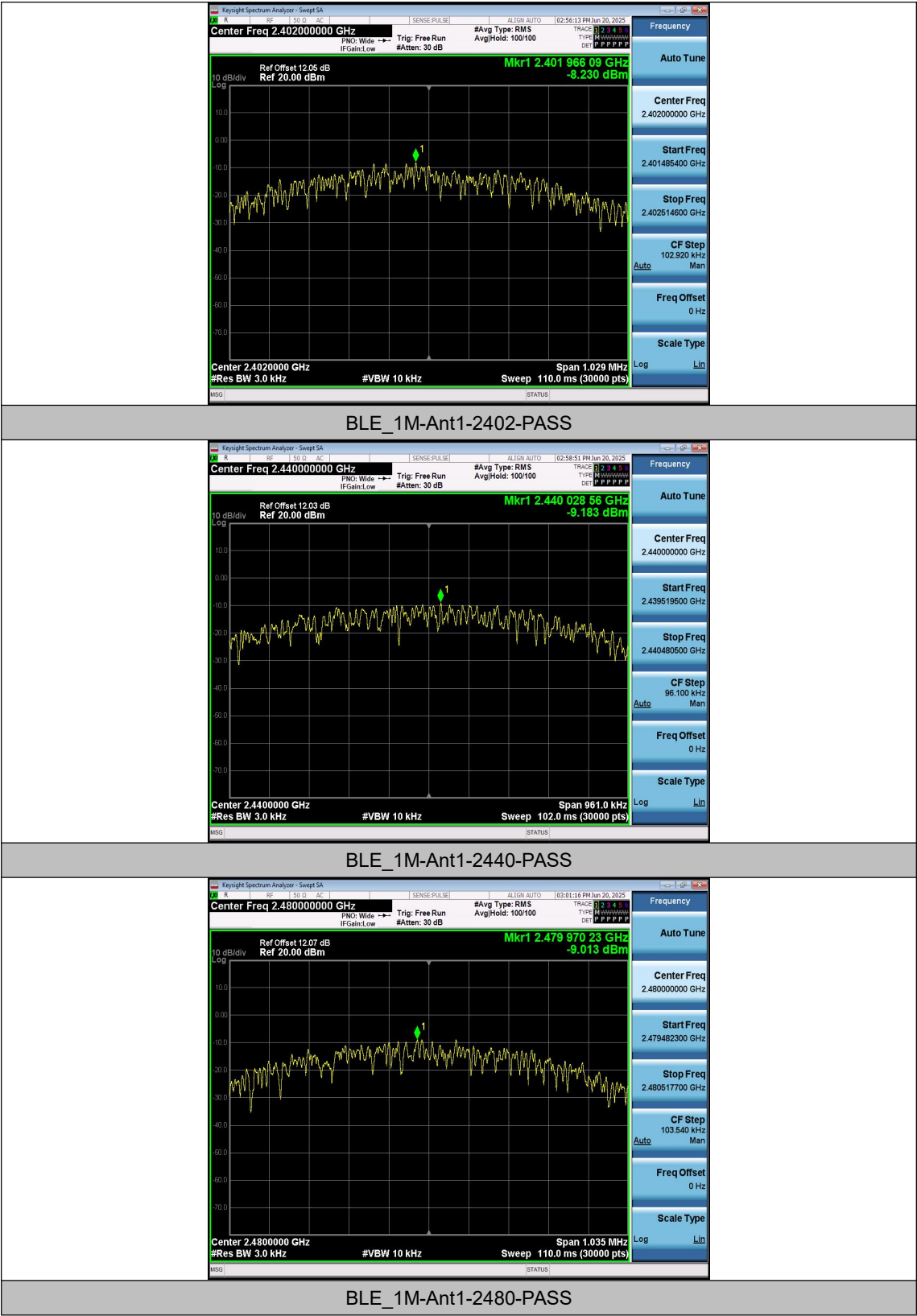


Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.23	≤8.00	PASS
BLE_1M	Ant1	2440	-9.18	≤8.00	PASS
BLE_1M	Ant1	2480	-9.01	≤8.00	PASS

Test Graphs

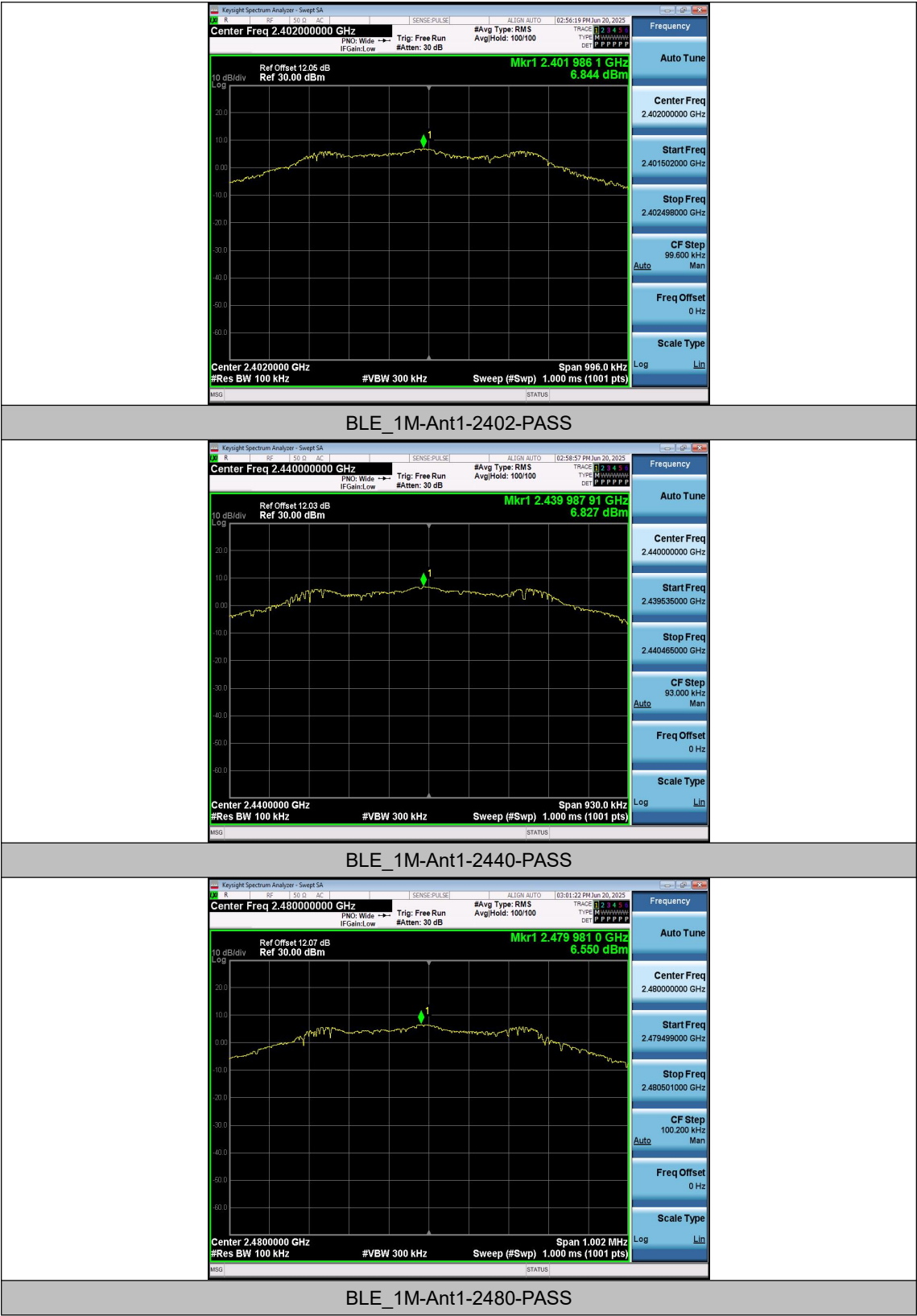


Appendix D: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2401.99	6.84
BLE_1M	Ant1	2440	2439.99	6.83
BLE_1M	Ant1	2480	2479.98	6.55

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	6.84	-46.88	≤-13.16	PASS
BLE_1M	Ant1	High	2480	6.55	-47.26	≤-13.45	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	6.84	-58.93	≤-13.16	PASS
BLE_1M	Ant1	2402	1000~26500	6.84	-43.97	≤-13.16	PASS
BLE_1M	Ant1	2440	30~1000	6.83	-58.32	≤-13.17	PASS
BLE_1M	Ant1	2440	1000~26500	6.83	-43.66	≤-13.17	PASS
BLE_1M	Ant1	2480	30~1000	6.55	-46.79	≤-13.45	PASS
BLE_1M	Ant1	2480	1000~26500	6.55	-44.55	≤-13.45	PASS

Test Graphs

