

Appendix for Thread Mode

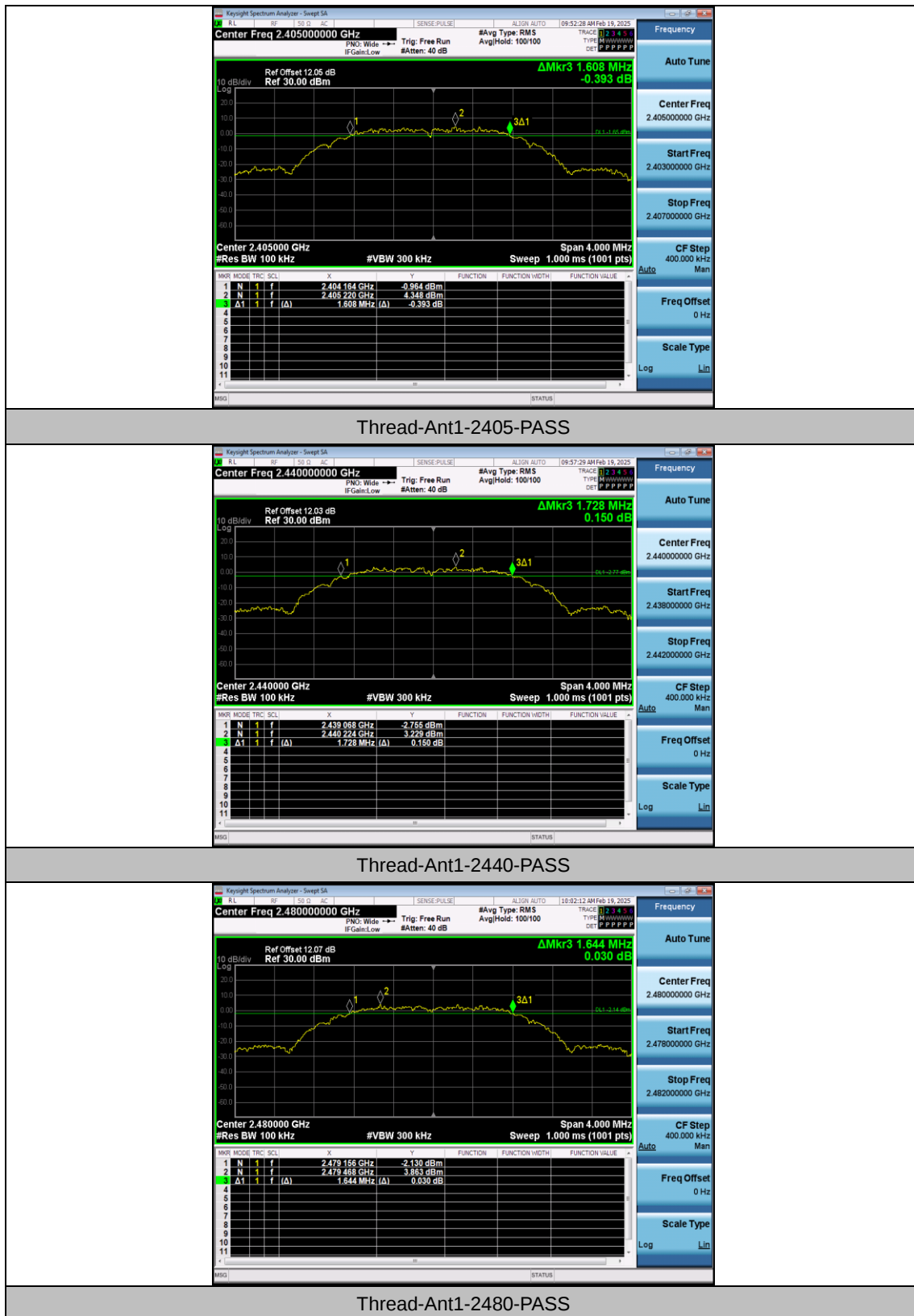
Product Name: Dimmer Switch H2 US
Model No: WS-K05E

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Thread	Ant1	2405	1.608	2404.164	2405.772	0.5	PASS
Thread	Ant1	2440	1.728	2439.068	2440.796	0.5	PASS
Thread	Ant1	2480	1.644	2479.156	2480.800	0.5	PASS

Test Graphs

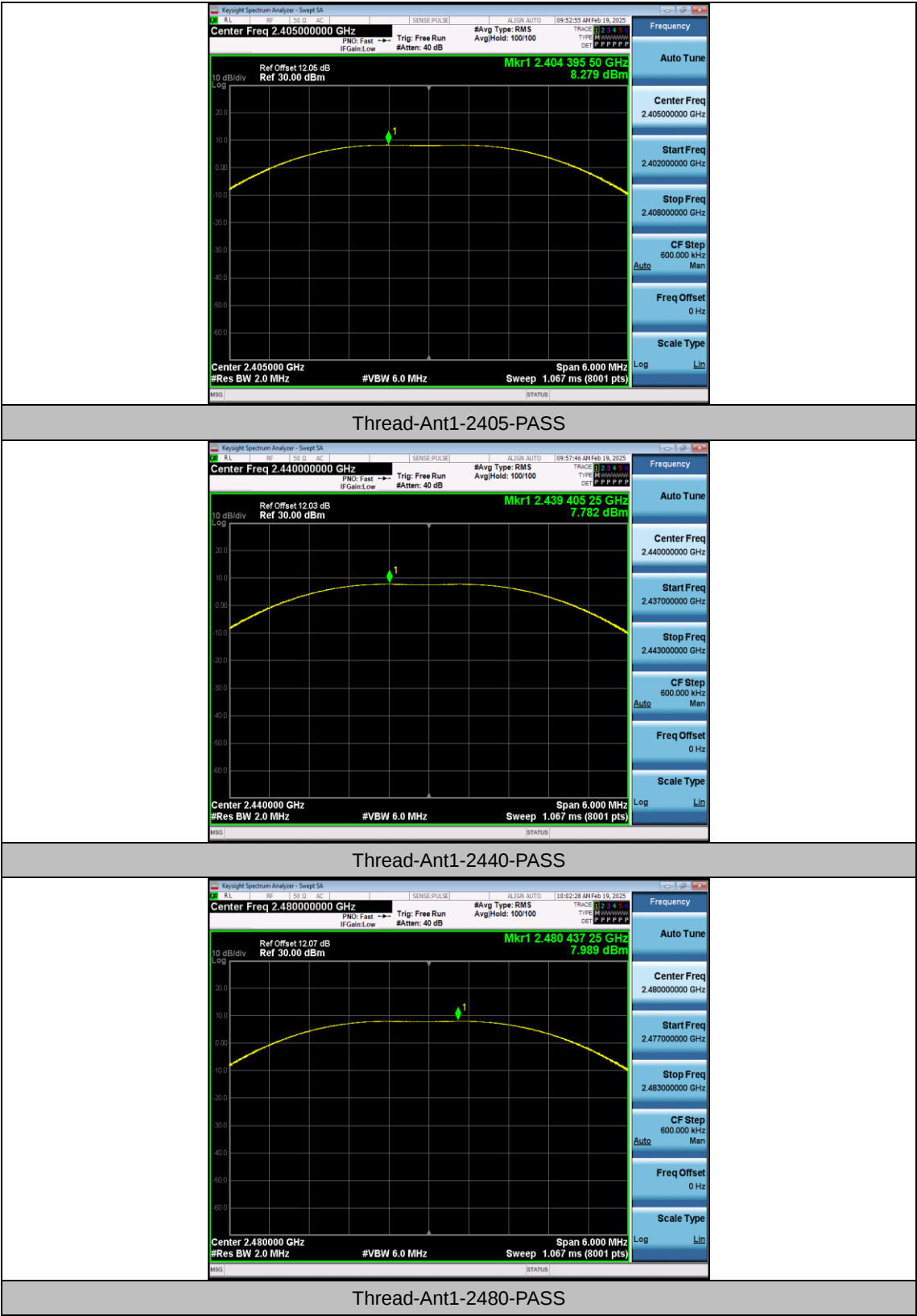


Appendix B: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
Thread	Ant1	2405	8.28	≤30	PASS
Thread	Ant1	2440	7.78	≤30	PASS
Thread	Ant1	2480	7.99	≤30	PASS

Test Graphs Peak

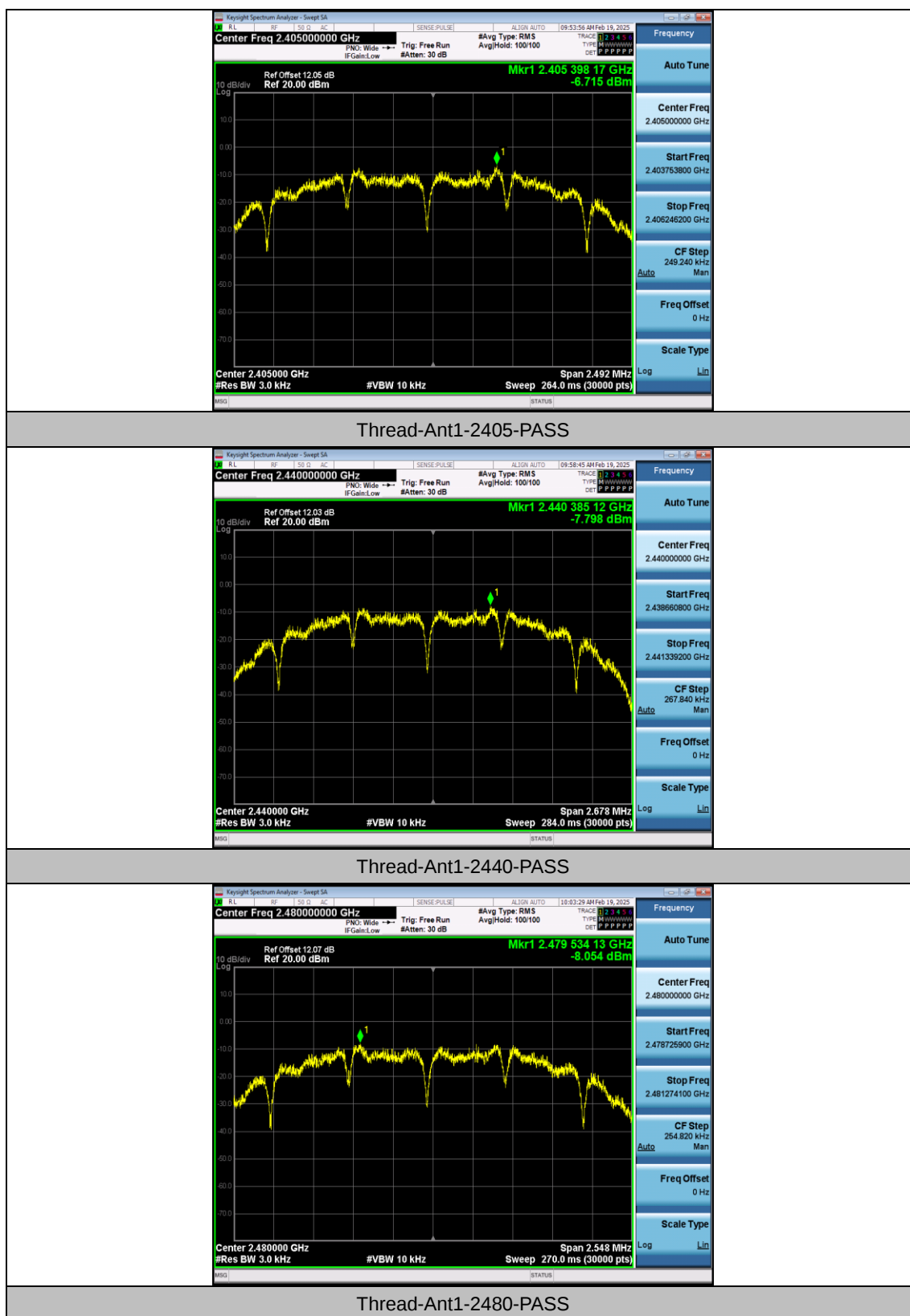


Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
Thread	Ant1	2405	-6.72	≤8.00	PASS
Thread	Ant1	2440	-7.80	≤8.00	PASS
Thread	Ant1	2480	-8.05	≤8.00	PASS

Test Graphs

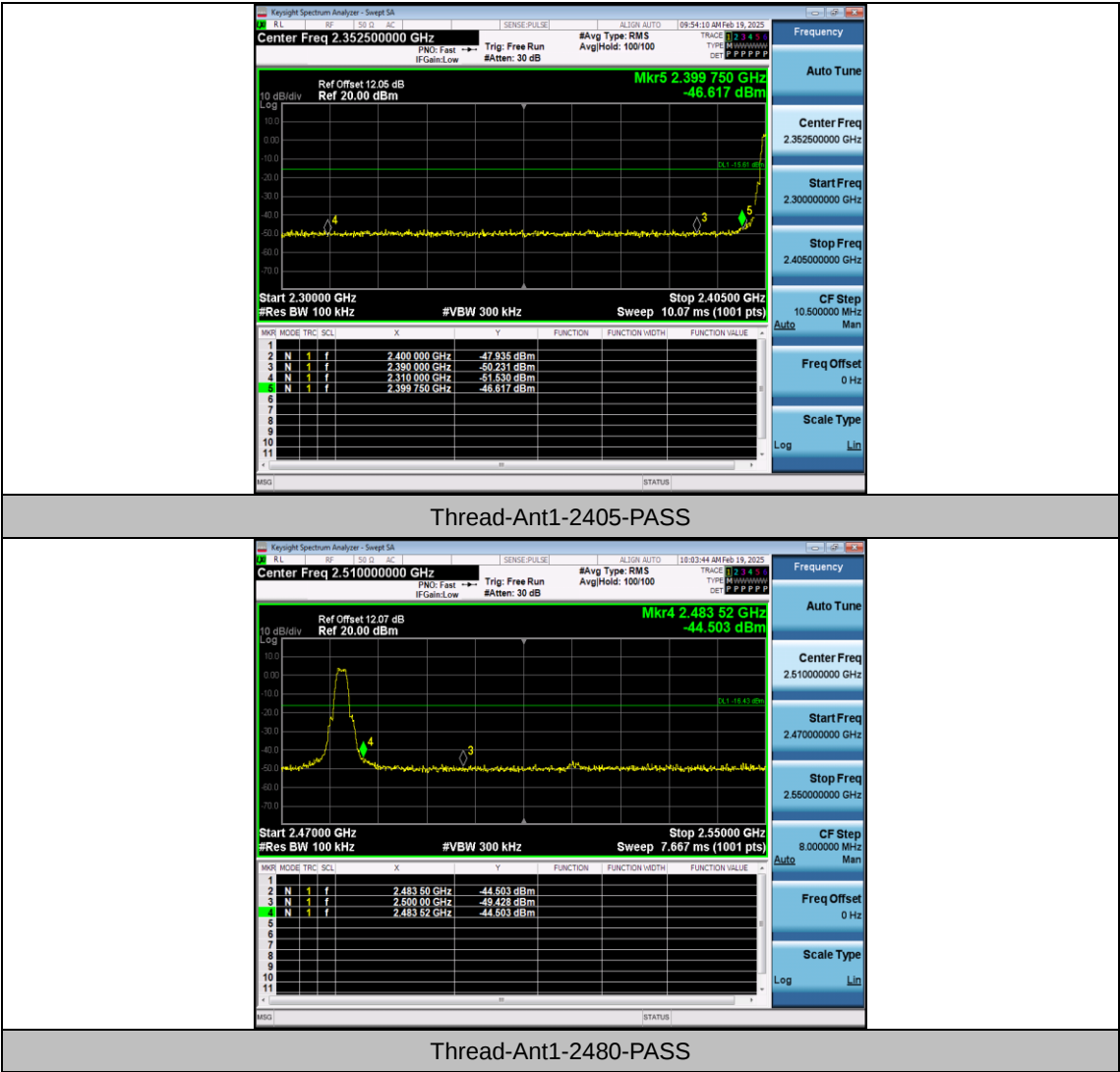


Appendix D: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
Thread	Ant1	Low	2405	4.39	-46.62	≤-15.61	PASS
Thread	Ant1	High	2480	3.57	-44.5	≤-16.43	PASS

Test Graphs



Appendix E: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
Thread	Ant1	2405	30~1000	4.39	-58.22	≤-15.61	PASS
Thread	Ant1	2405	1000~26500	4.39	-43.77	≤-15.61	PASS
Thread	Ant1	2440	30~1000	3.98	-57.32	≤-16.02	PASS
Thread	Ant1	2440	1000~26500	3.98	-43.83	≤-16.02	PASS
Thread	Ant1	2480	30~1000	3.57	-58.47	≤-16.43	PASS
Thread	Ant1	2480	1000~26500	3.57	-43.79	≤-16.43	PASS

Test Graphs

