

Appendix for Zigbee Mode

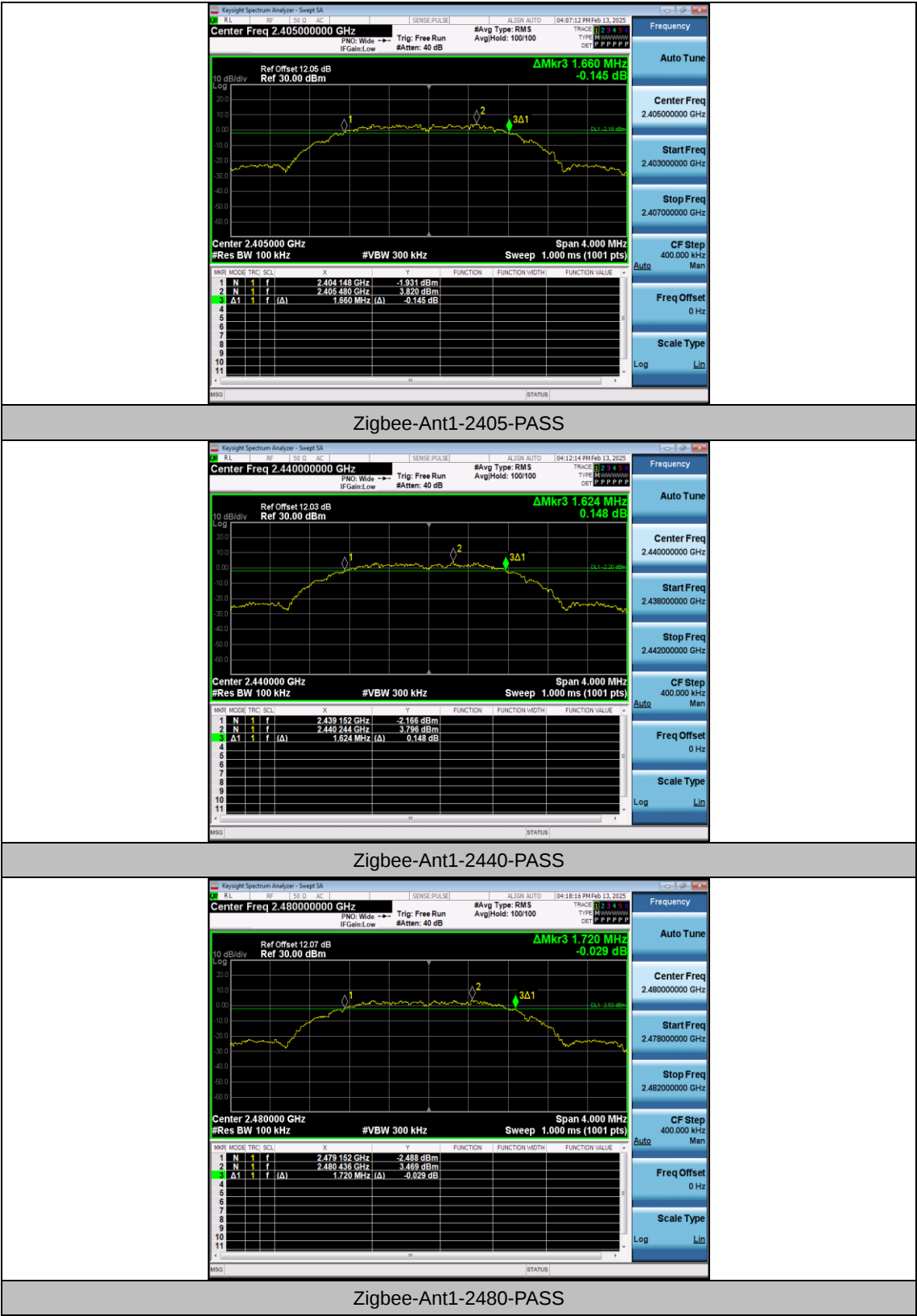
Product Name: Dimmer Switch H2 US
Model No: WS-K05E

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Zigbee	Ant1	2405	1.660	2404.148	2405.808	0.5	PASS
Zigbee	Ant1	2440	1.624	2439.152	2440.776	0.5	PASS
Zigbee	Ant1	2480	1.720	2479.152	2480.872	0.5	PASS

Test Graphs

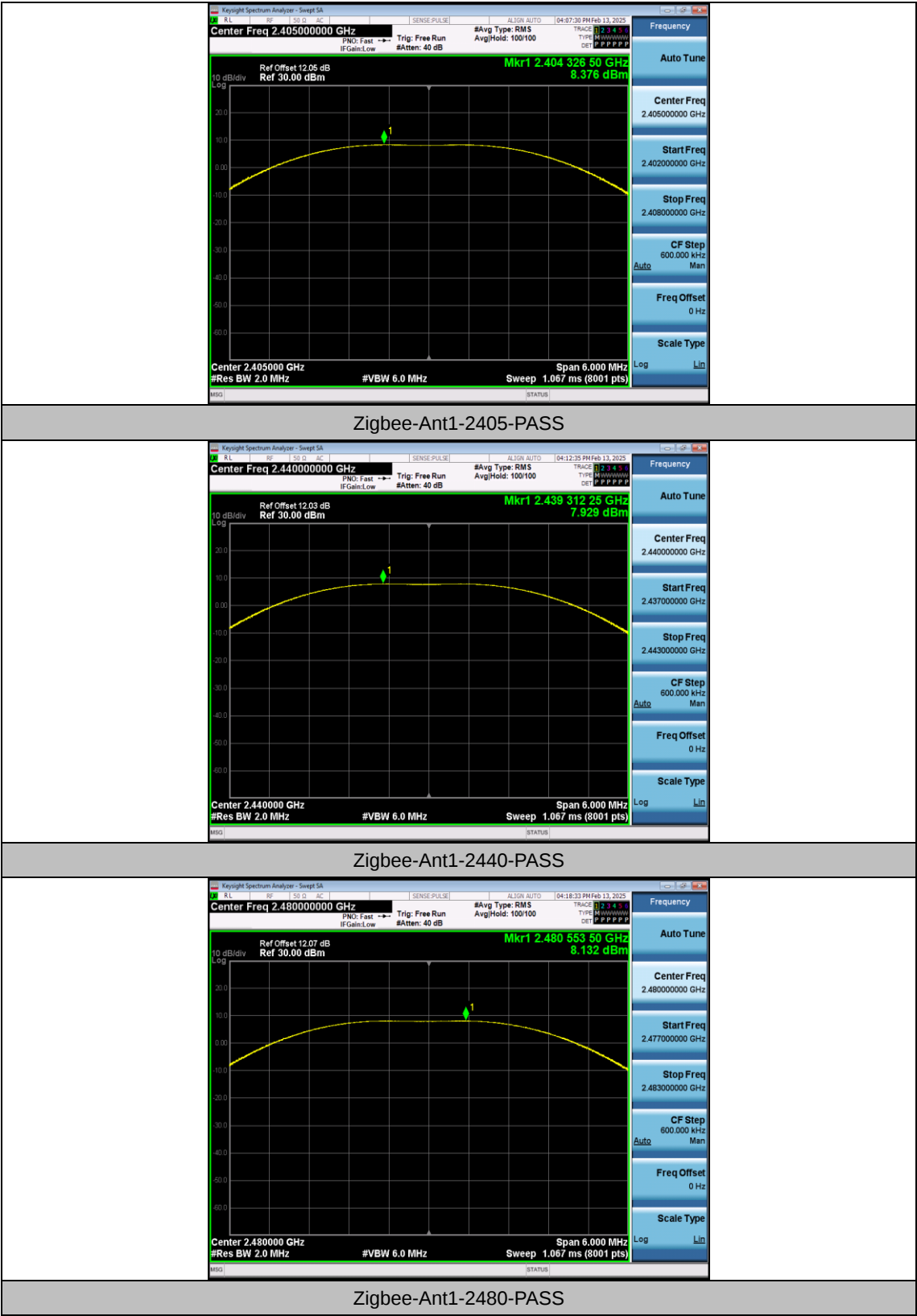


Appendix B: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
Zigbee	Ant1	2405	8.38	≤30	PASS
Zigbee	Ant1	2440	7.93	≤30	PASS
Zigbee	Ant1	2480	8.13	≤30	PASS

Test Graphs Peak

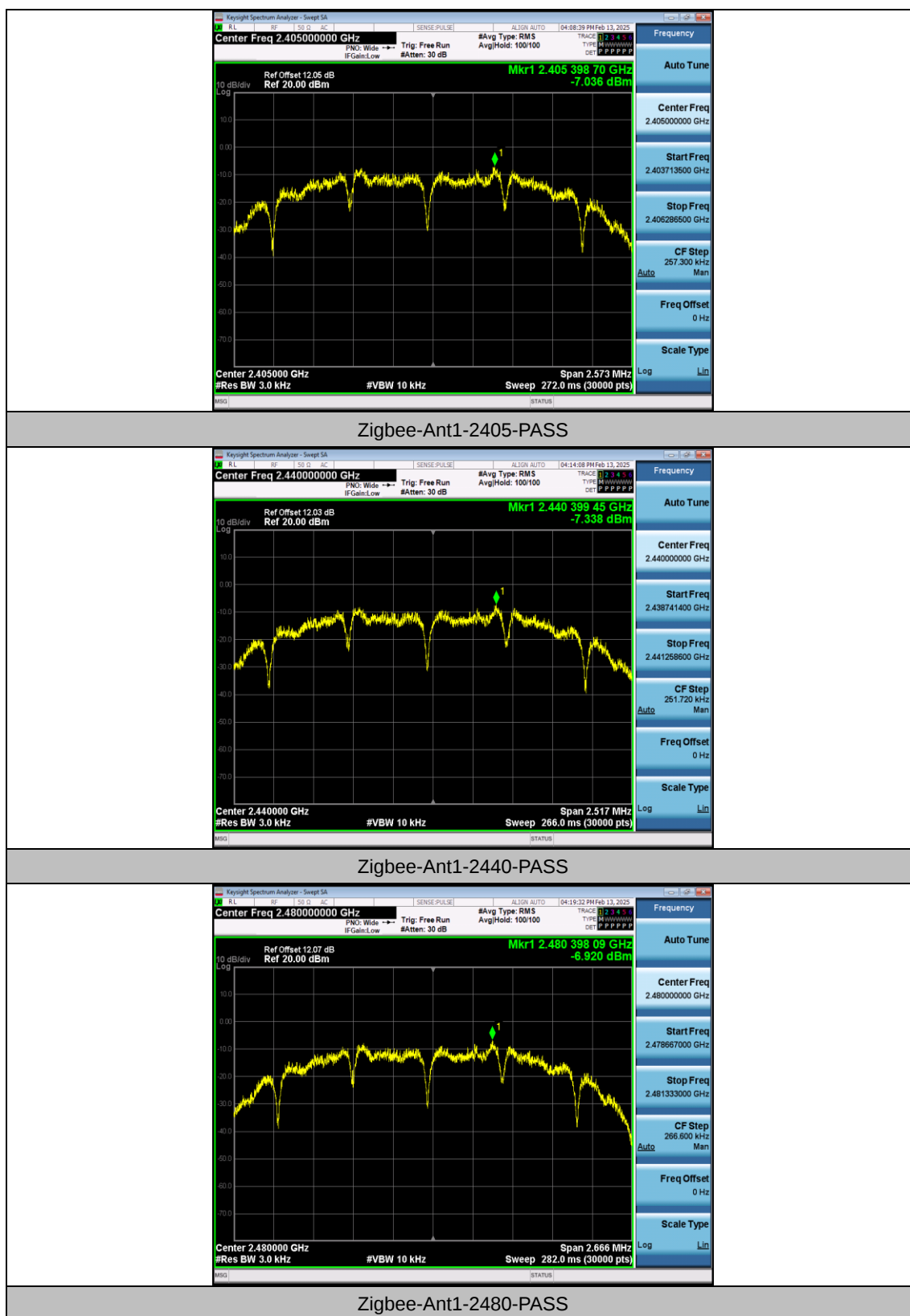


Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
Zigbee	Ant1	2405	-7.04	≤8.00	PASS
Zigbee	Ant1	2440	-7.34	≤8.00	PASS
Zigbee	Ant1	2480	-6.92	≤8.00	PASS

Test Graphs

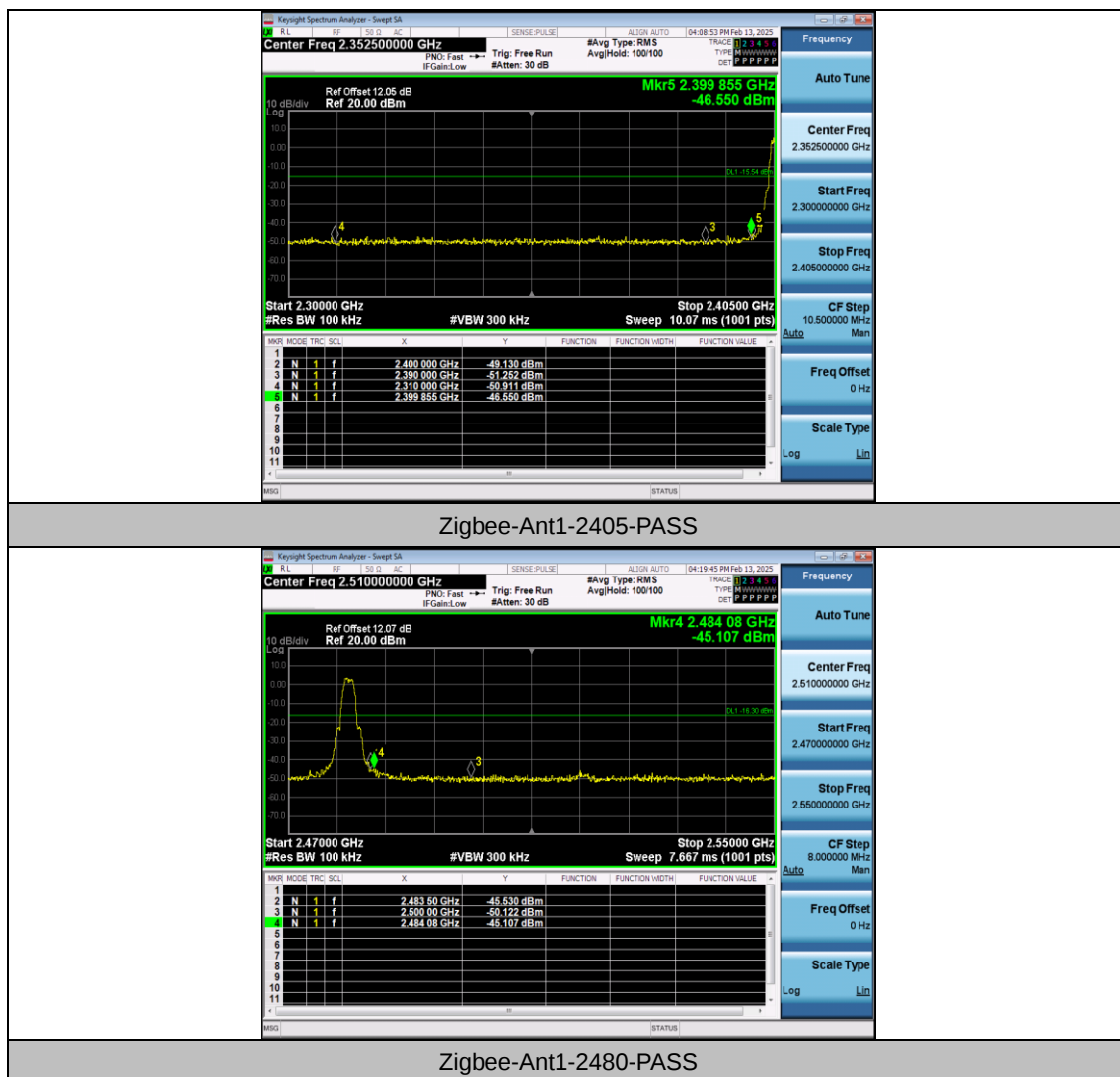


Appendix D: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
Zigbee	Ant1	Low	2405	4.46	-46.55	≤-15.54	PASS
Zigbee	Ant1	High	2480	3.70	-45.11	≤-16.3	PASS

Test Graphs



Appendix E: Conducted Spurious Emission

Test Result

TestMod e	Antenn a	Frequency[MHz]	FreqRange [MHz]	RefLeve l [dBm]	Result[dBm]	Limit[dBm]	Verdic t
Zigbee	Ant1	2405	30~1000	4.46	-59.15	≤-15.54	PASS
Zigbee	Ant1	2405	1000~2650 0	4.46	-43.64	≤-15.54	PASS
Zigbee	Ant1	2440	30~1000	3.62	-59.15	≤-16.38	PASS
Zigbee	Ant1	2440	1000~2650 0	3.62	-43.29	≤-16.38	PASS
Zigbee	Ant1	2480	30~1000	3.70	-58.71	≤-16.3	PASS
Zigbee	Ant1	2480	1000~2650 0	3.70	-44.53	≤-16.3	PASS

Test Graphs

