

Appendix Test Data

Report No:	1812C40085412501	Test Sample NO:	1-2-2
Start Test Date:	2024.10.15	Finish Test Date:	2024.10.15
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	23.1℃	Relative Humidity:	51%
Pressure:	101 kPa		

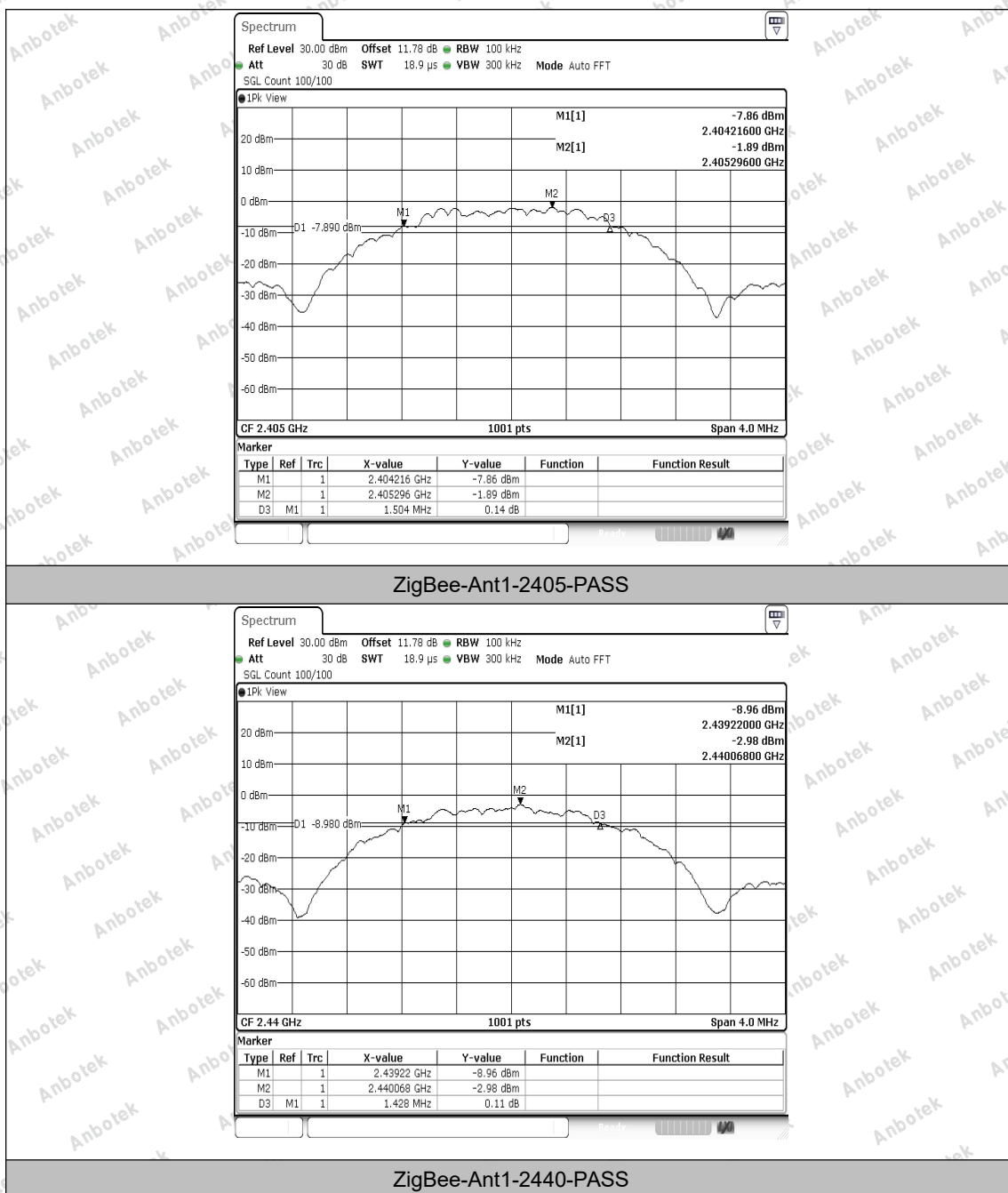
Appendix A: DTS Bandwidth

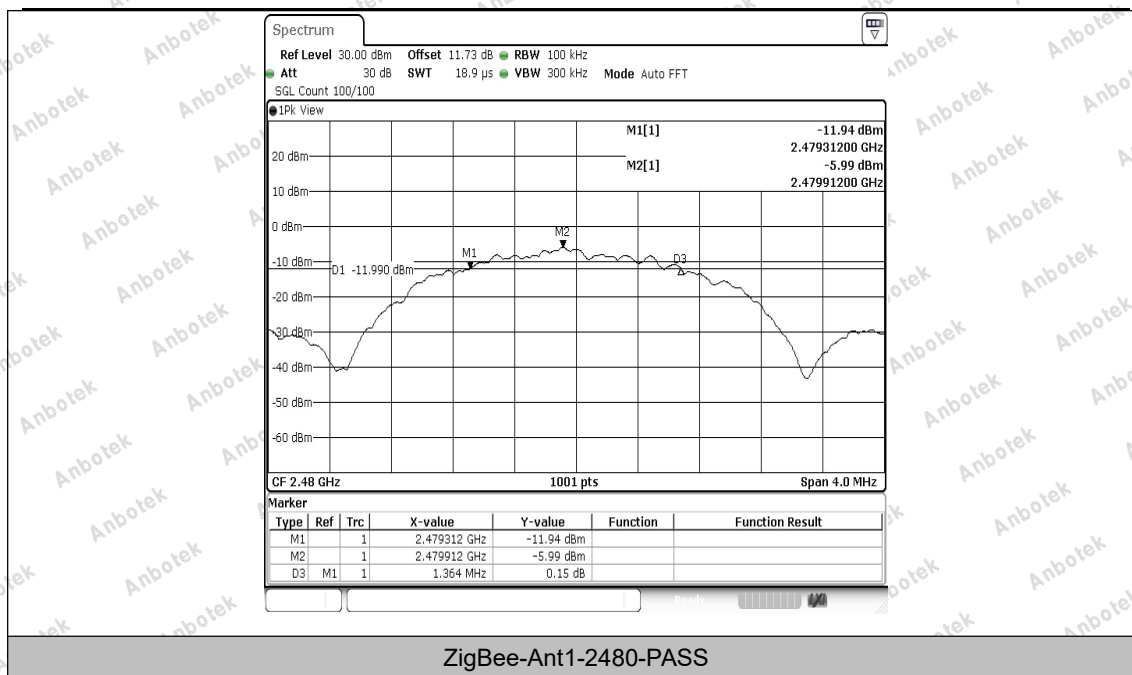
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
ZigBee	Ant1	2405	1.50	2404.22	2405.72	0.5	PASS
ZigBee	Ant1	2440	1.43	2439.22	2440.65	0.5	PASS
ZigBee	Ant1	2480	1.36	2479.31	2480.68	0.5	PASS



Test Graphs





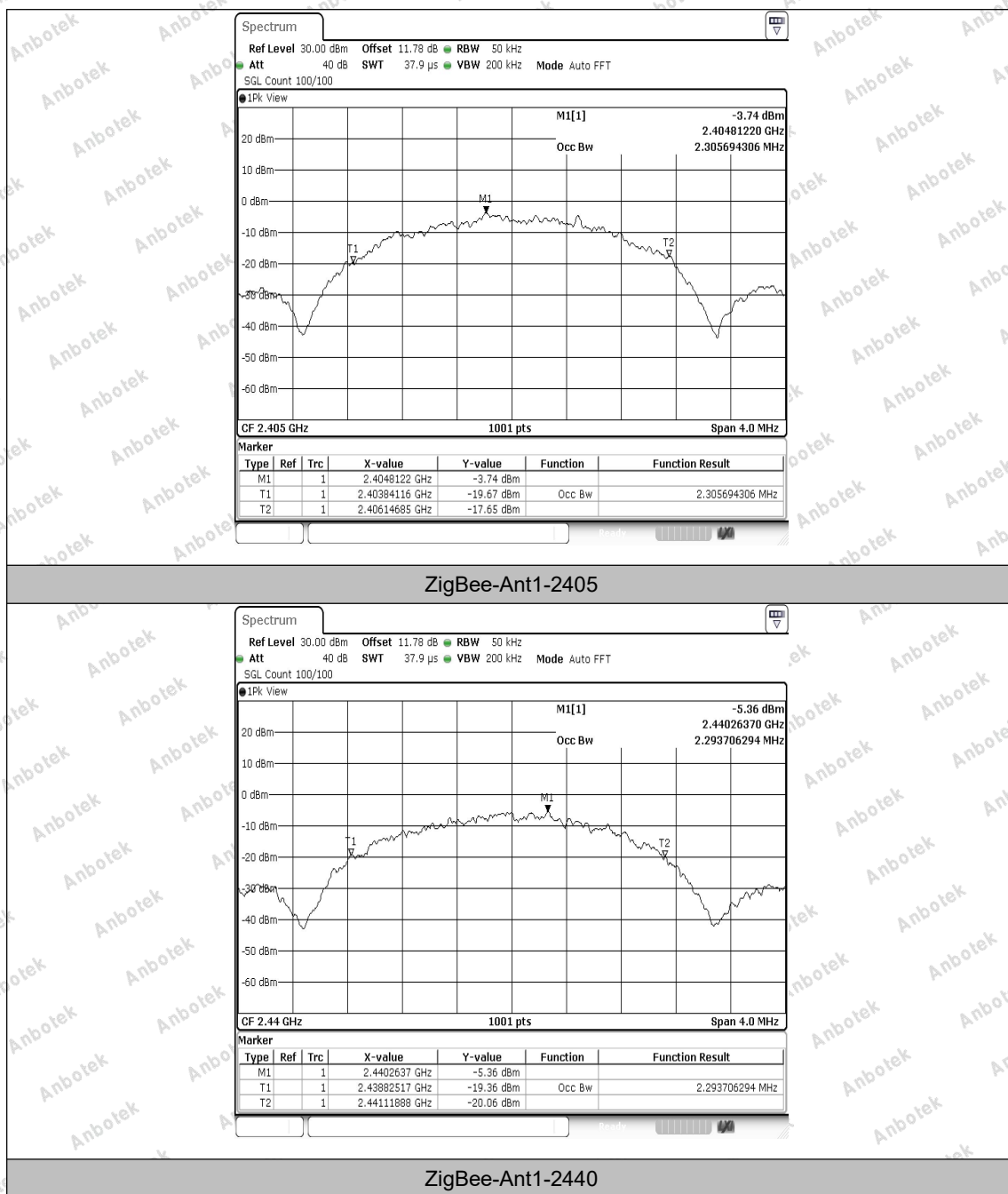
Appendix B: Occupied Channel Bandwidth

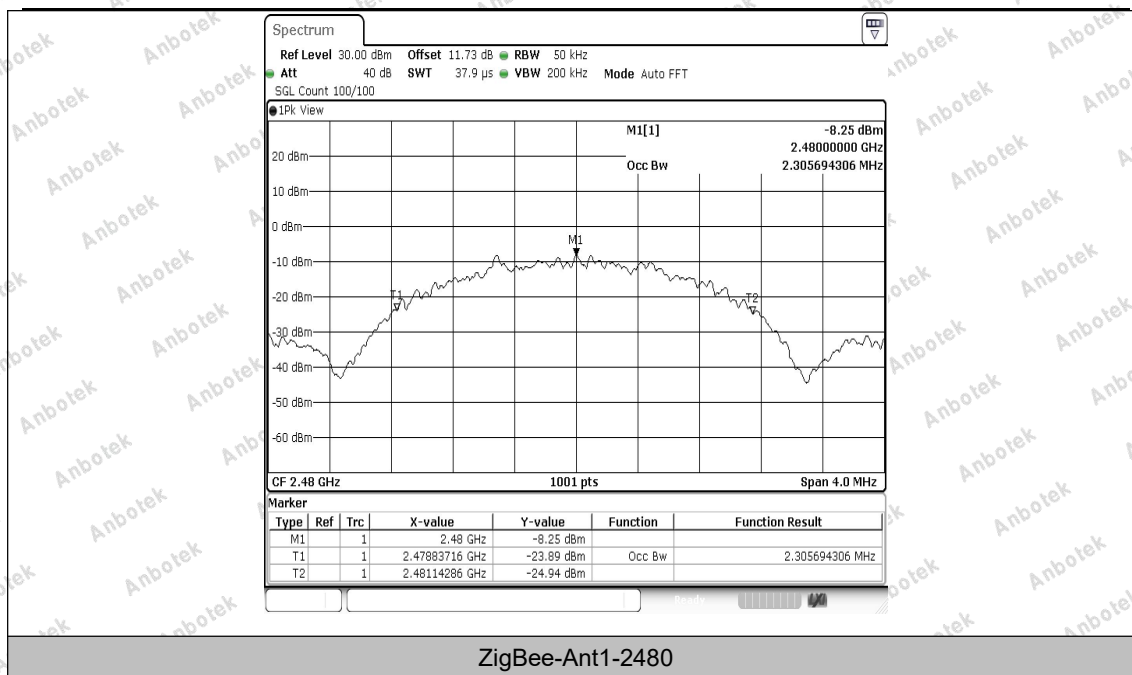
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
ZigBee	Ant1	2405	2.306	2403.8412	2406.1469	---	---
ZigBee	Ant1	2440	2.294	2438.8252	2441.1189	---	---
ZigBee	Ant1	2480	2.306	2478.8372	2481.1429	---	---



Test Graphs





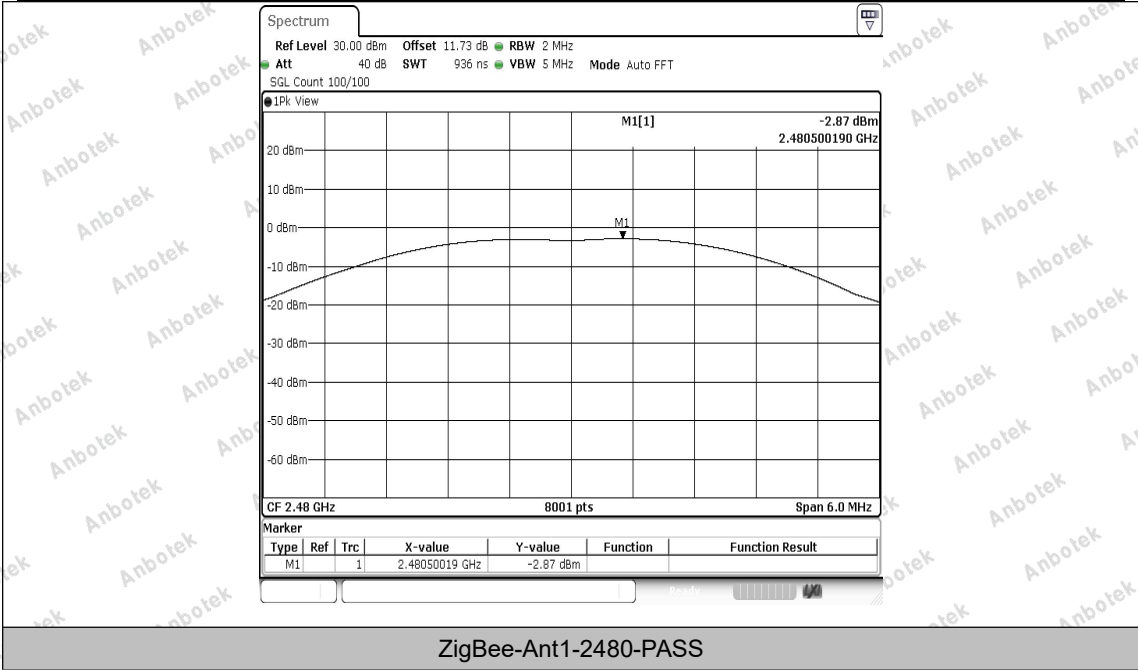
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
ZigBee	Ant1	2405	1.65	≤30	PASS
ZigBee	Ant1	2440	0.06	≤30	PASS
ZigBee	Ant1	2480	-2.87	≤30	PASS

Test Graphs Peak





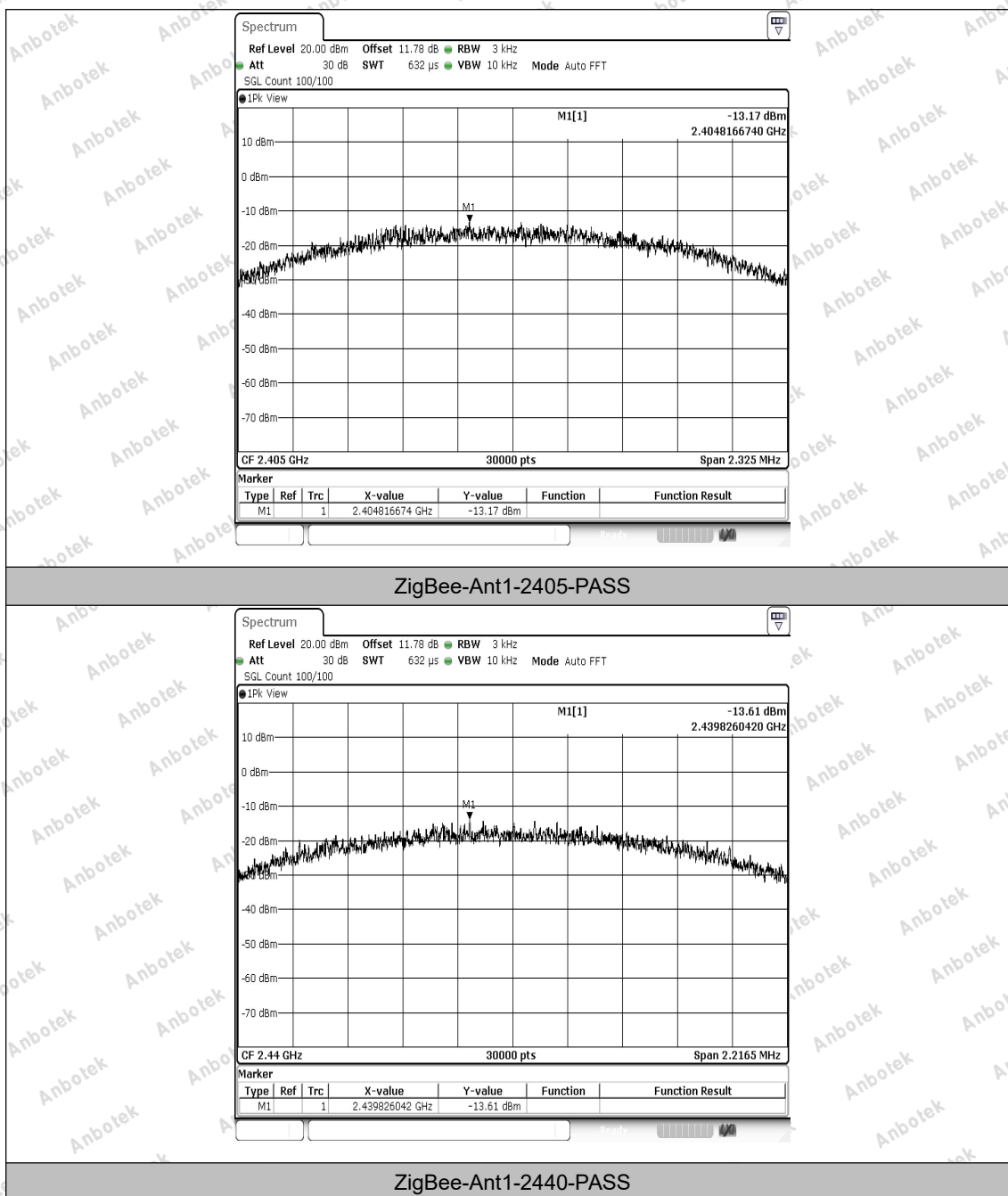
Appendix D: Maximum power spectral density

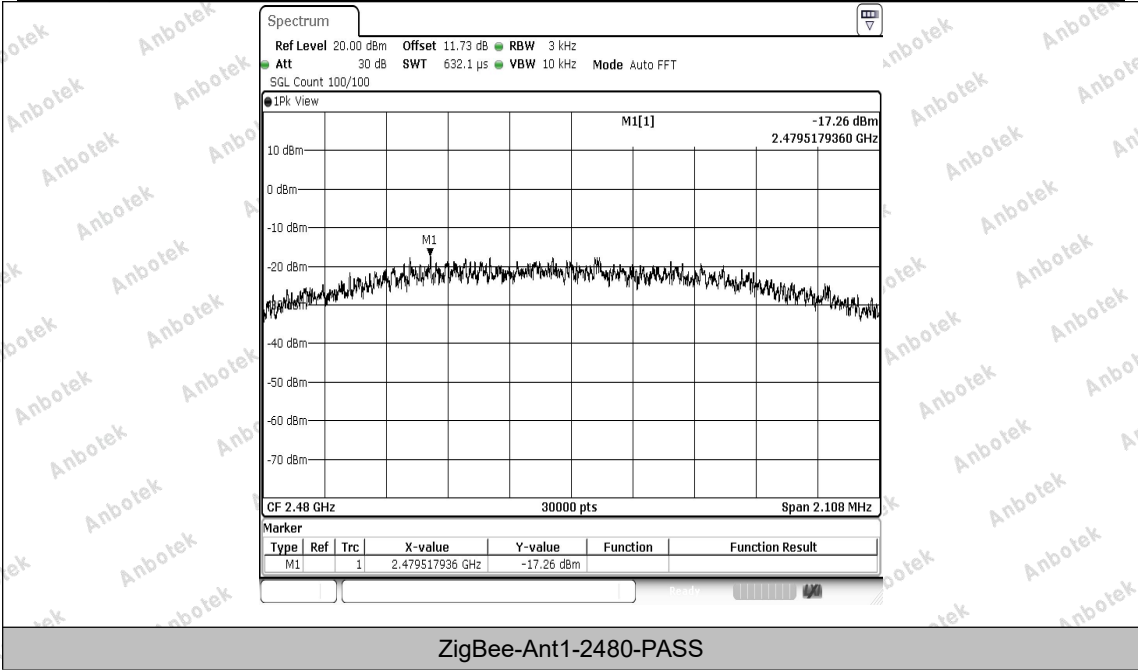
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
ZigBee	Ant1	2405	-13.17	≤8.00	PASS
ZigBee	Ant1	2440	-13.61	≤8.00	PASS
ZigBee	Ant1	2480	-17.26	≤8.00	PASS



Test Graphs





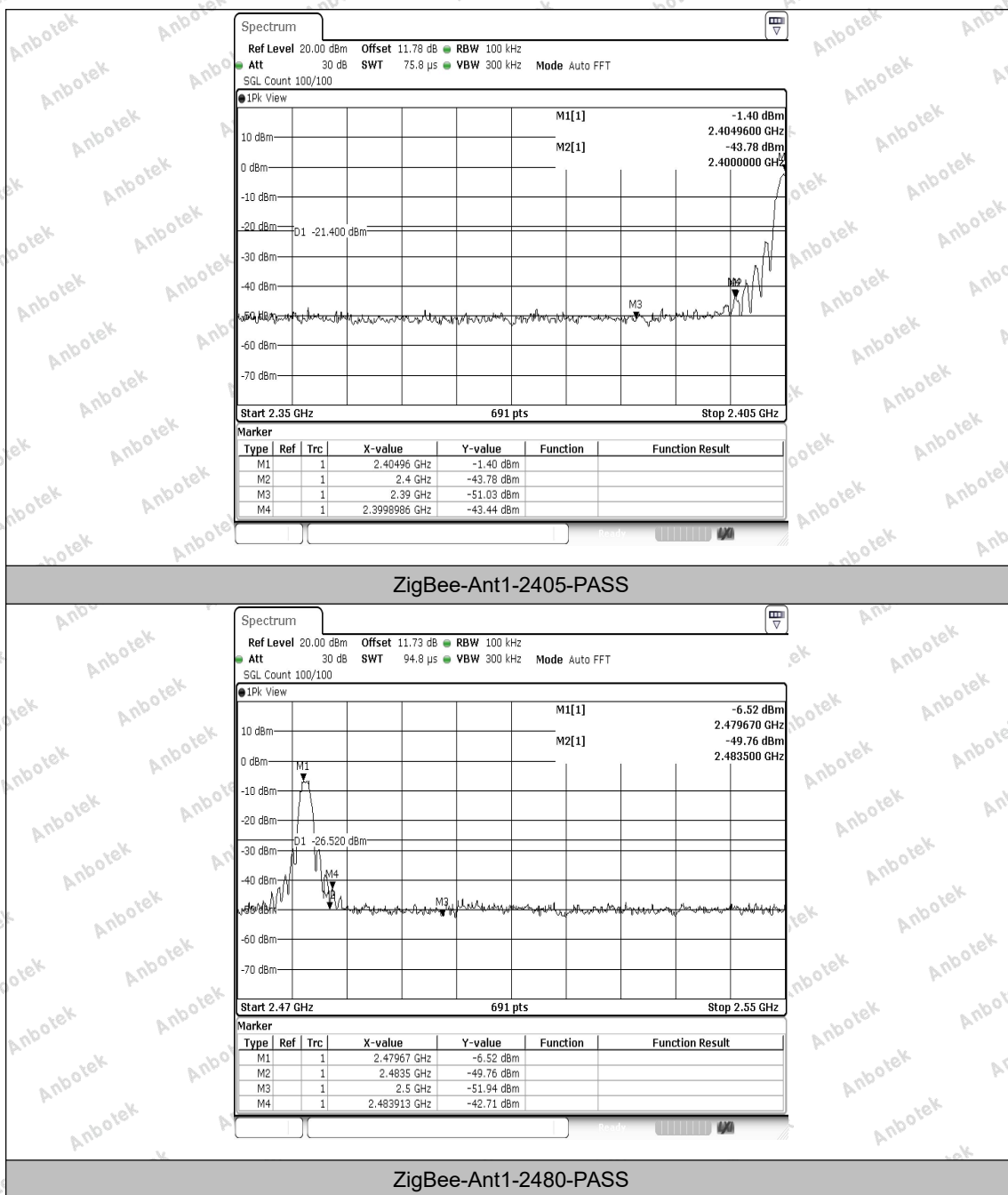
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
ZigBee	Ant1	Low	2405	-1.40	-43.44	≤-21.4	PASS
ZigBee	Ant1	High	2480	-6.52	-42.71	≤-26.52	PASS



Test Graphs



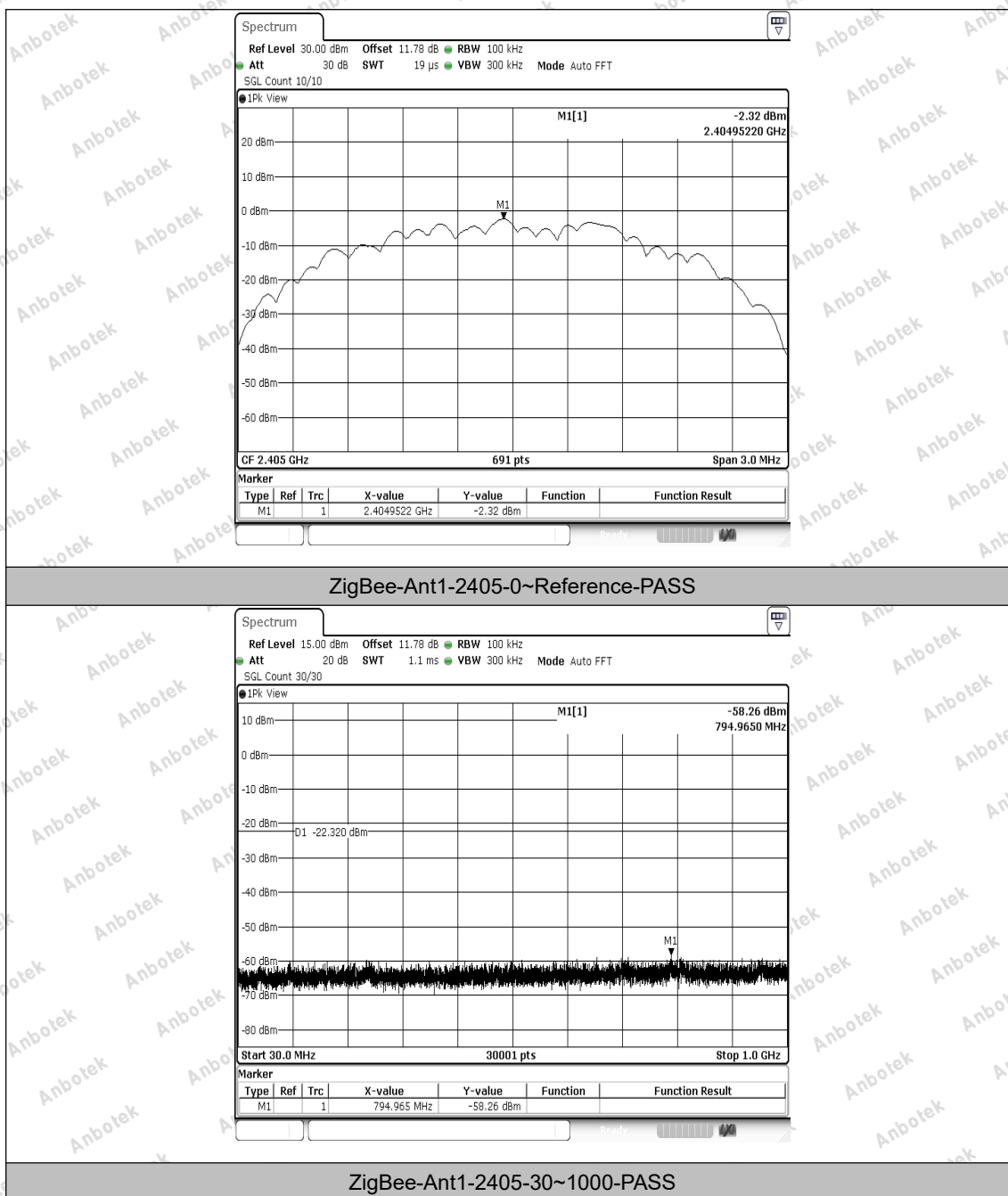
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
ZigBee	Ant1	2405	0~Reference	-2.32	-2.32	---	PASS
ZigBee	Ant1	2405	30~1000	-2.32	-58.26	≤-22.32	PASS
ZigBee	Ant1	2405	1000~26500	-2.32	-44.19	≤-22.32	PASS
ZigBee	Ant1	2440	0~Reference	-5.45	-5.45	---	PASS
ZigBee	Ant1	2440	30~1000	-5.45	-57.37	≤-25.45	PASS
ZigBee	Ant1	2440	1000~26500	-5.45	-44.01	≤-25.45	PASS
ZigBee	Ant1	2480	0~Reference	-8.65	-8.65	---	PASS
ZigBee	Ant1	2480	30~1000	-8.65	-57.95	≤-28.65	PASS
ZigBee	Ant1	2480	1000~26500	-8.65	-44.22	≤-28.65	PASS

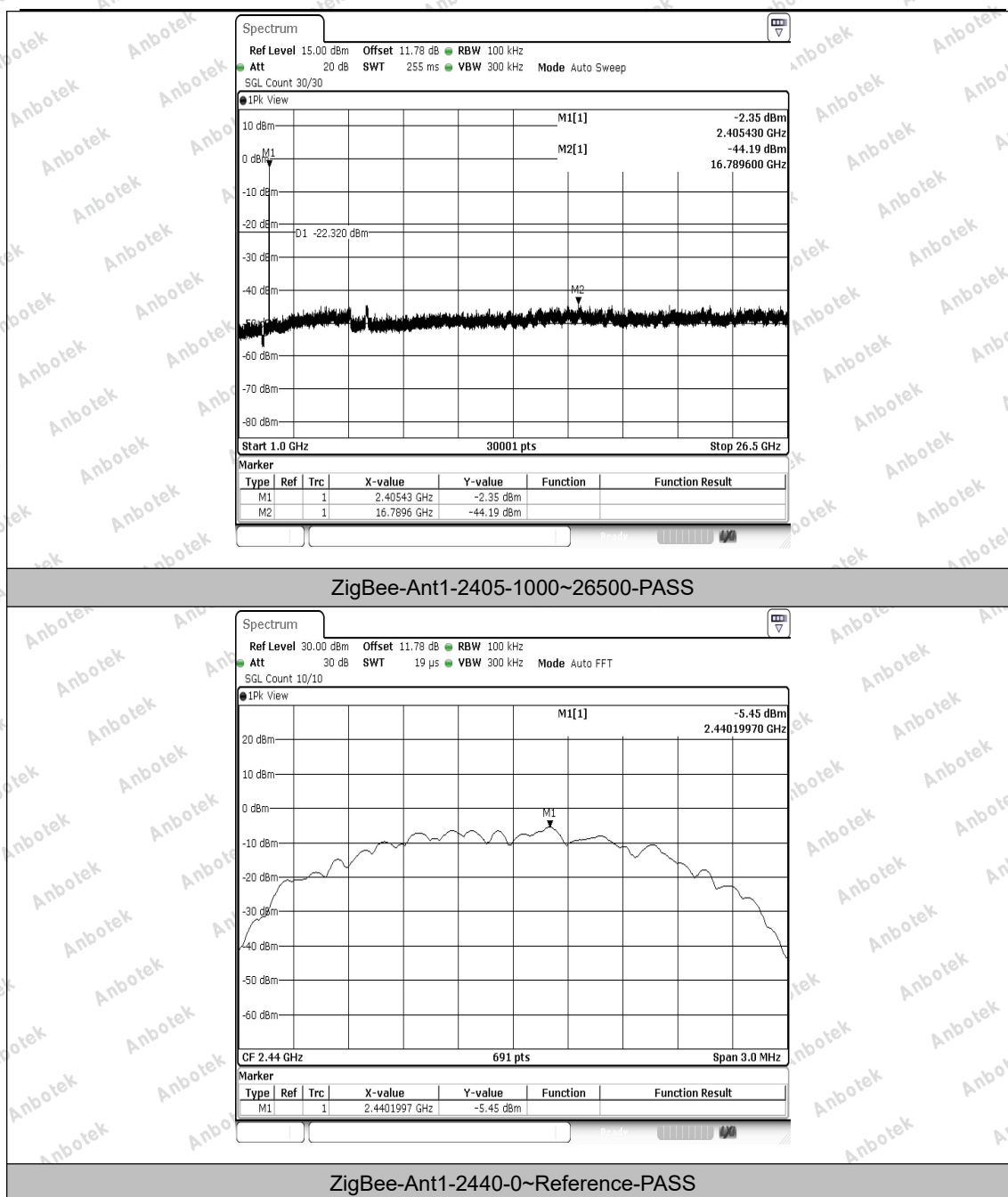


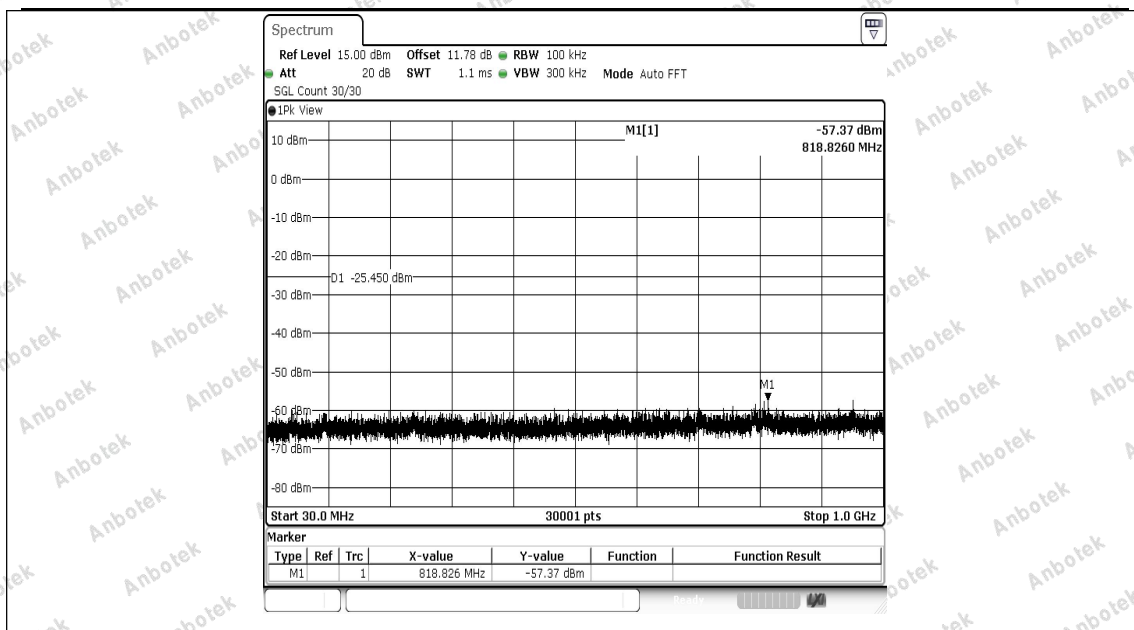
Test Graphs



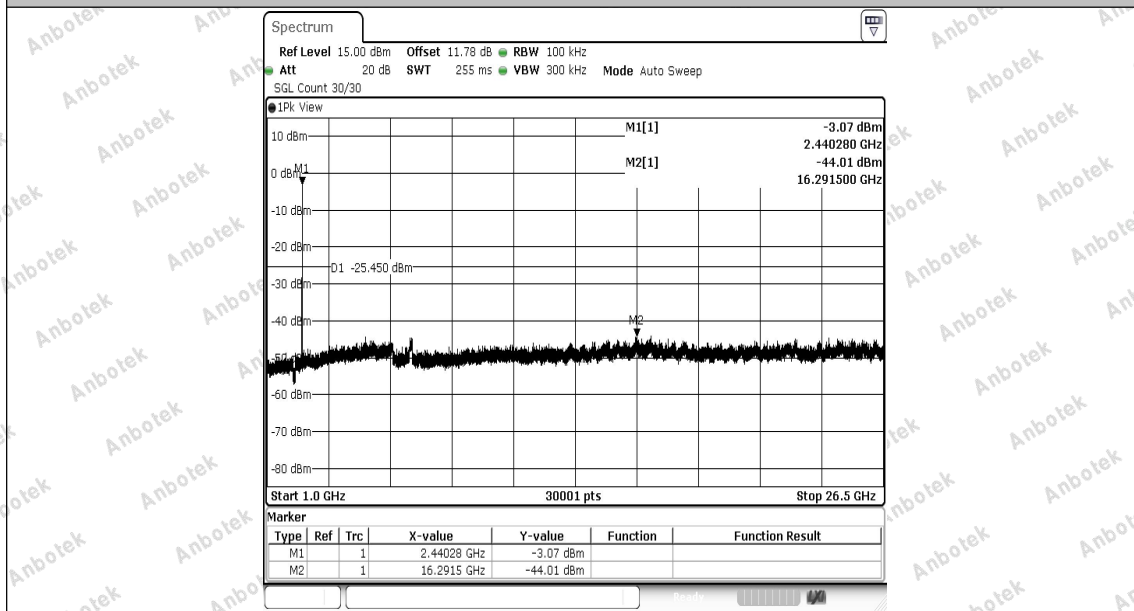
ZigBee-Ant1-2405-30~1000-PASS





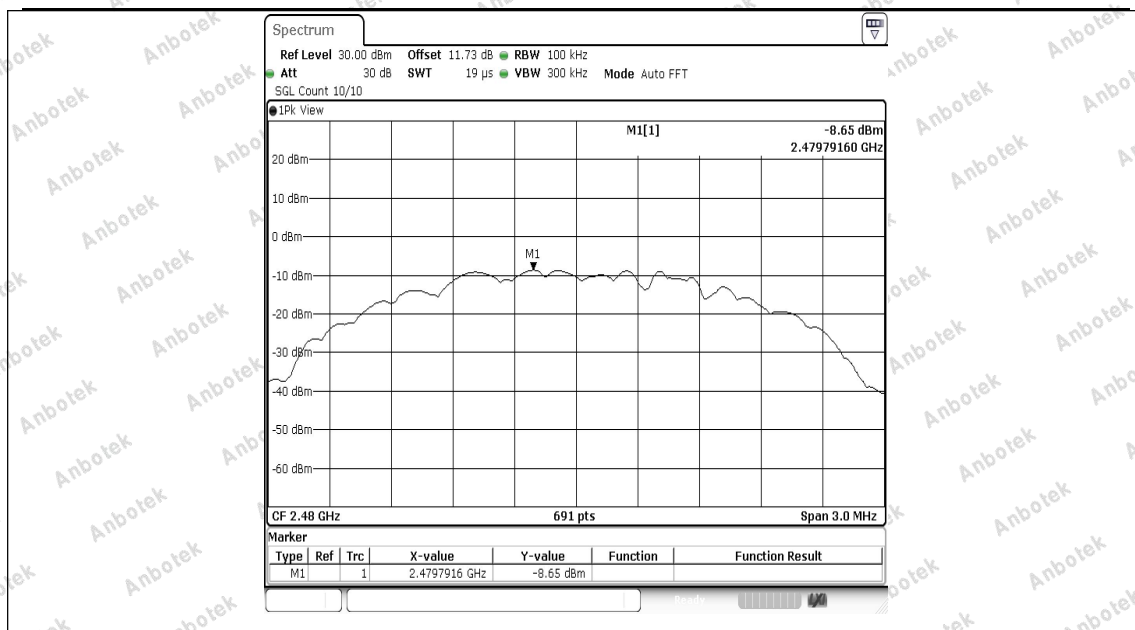


ZigBee-Ant1-2440-30~1000-PASS

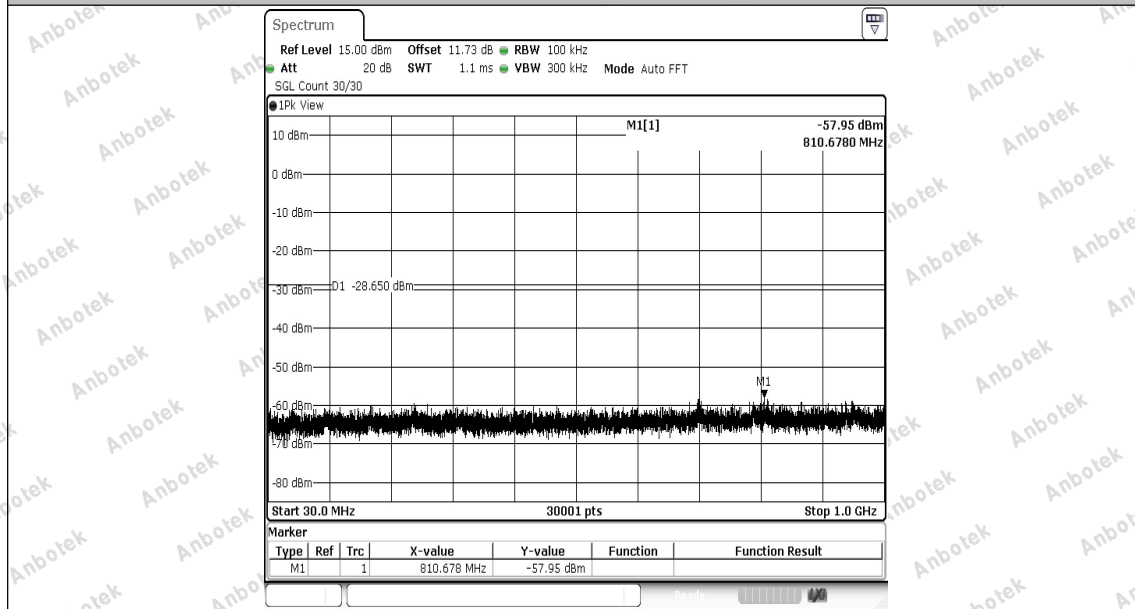


ZigBee-Ant1-2440-1000~26500-PASS



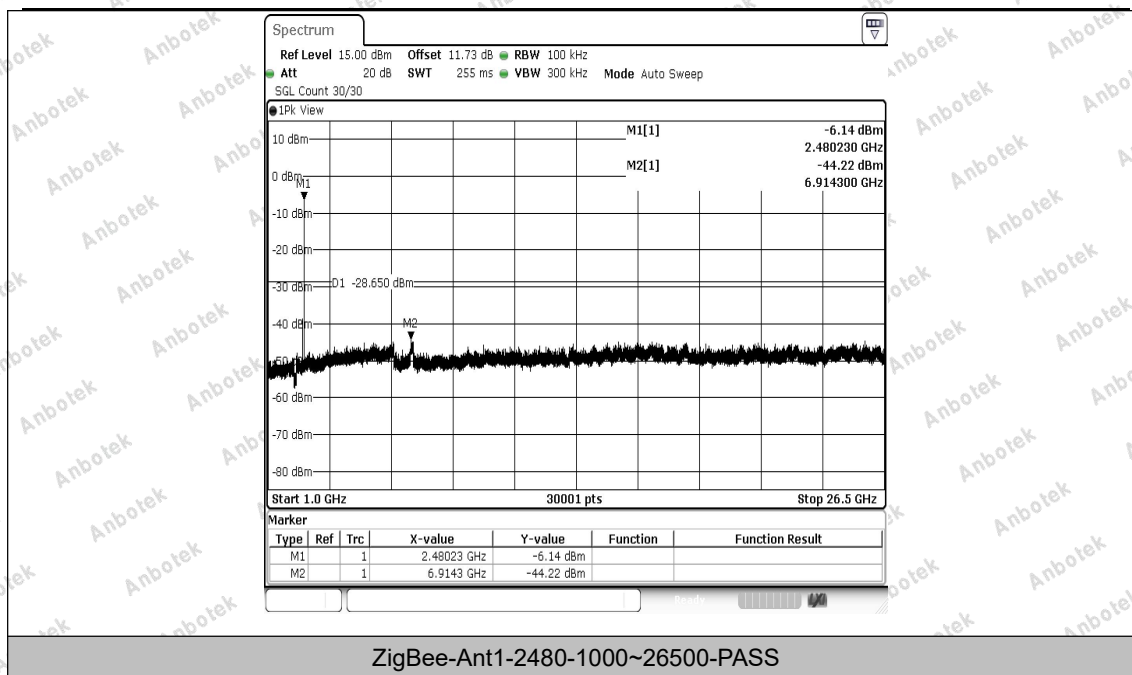


ZigBee-Ant1-2480-0~Reference-PASS



ZigBee-Ant1-2480-30~1000-PASS





ZigBee-Ant1-2480-1000~26500-PASS

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