

Appendix Test Data

Report No:	1812C40085312501	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:	23.8℃	Relative Humidity:	56%
Pressure:	101 kPa		

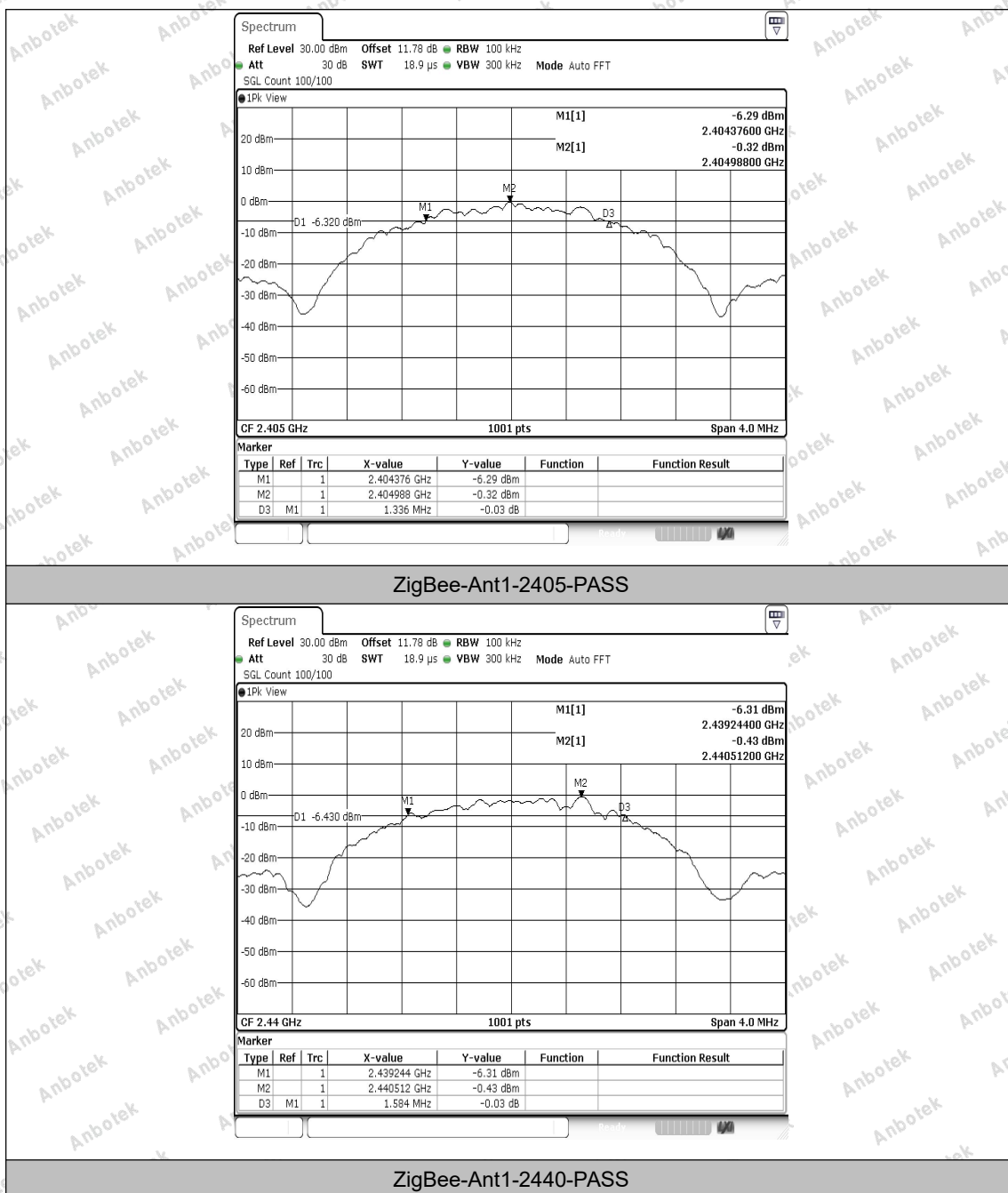
Appendix A: DTS Bandwidth

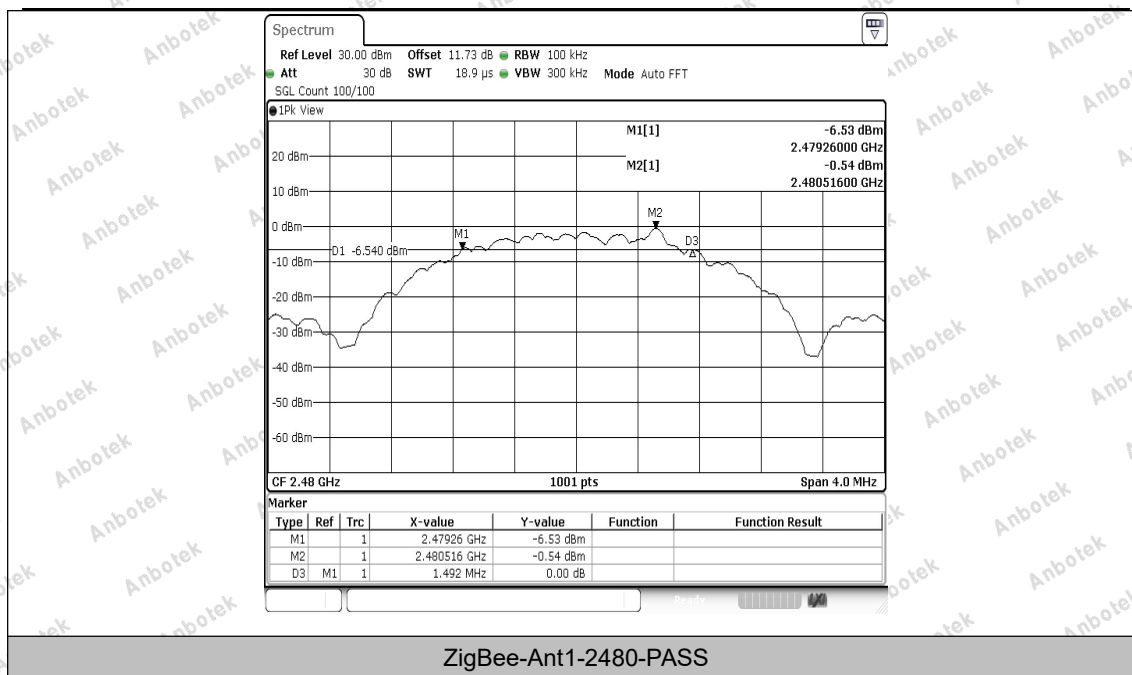
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
ZigBee	Ant1	2405	1.34	2404.38	2405.71	0.5	PASS
ZigBee	Ant1	2440	1.58	2439.24	2440.83	0.5	PASS
ZigBee	Ant1	2480	1.49	2479.26	2480.75	0.5	PASS



Test Graphs





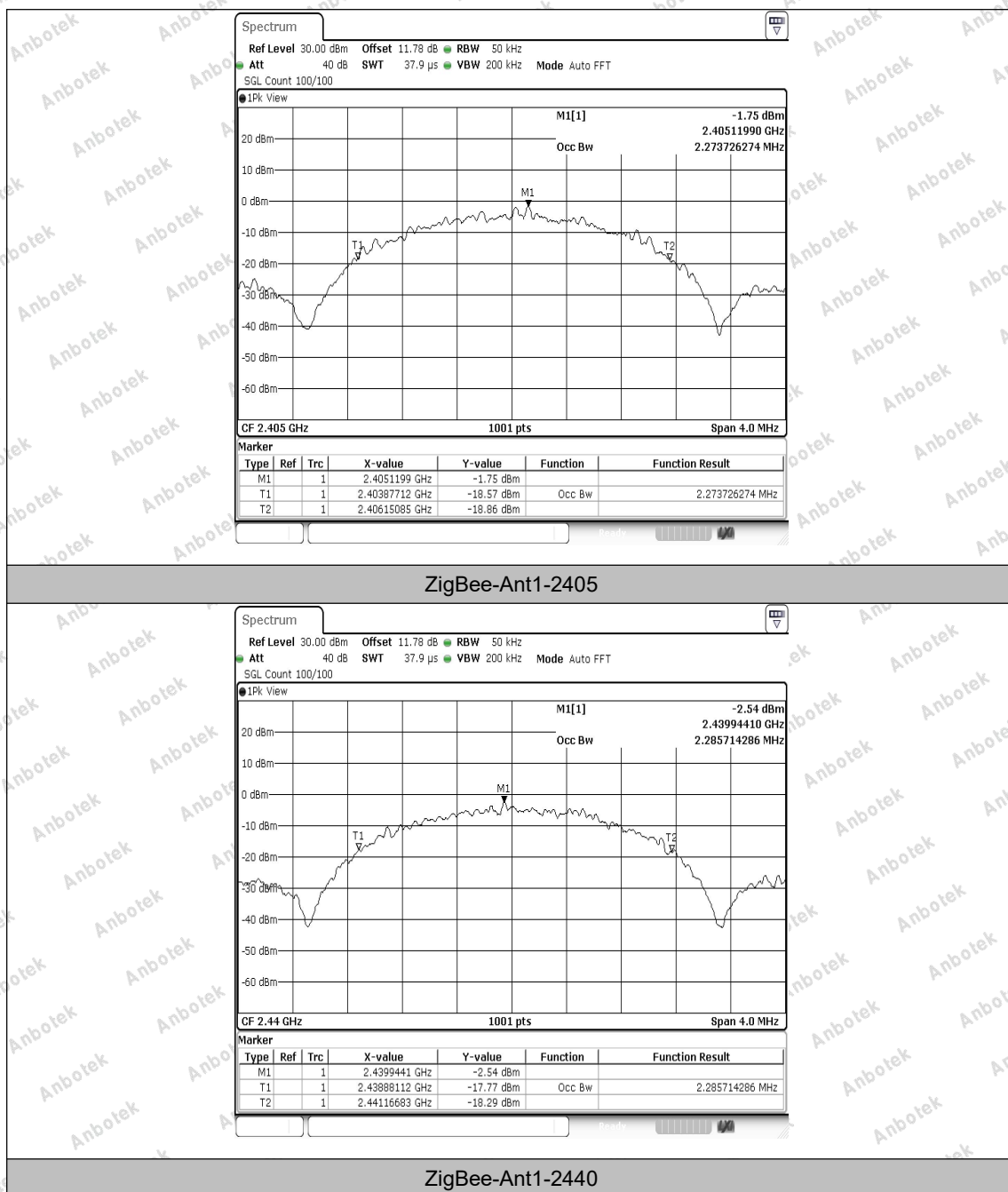
Appendix B: Occupied Channel Bandwidth

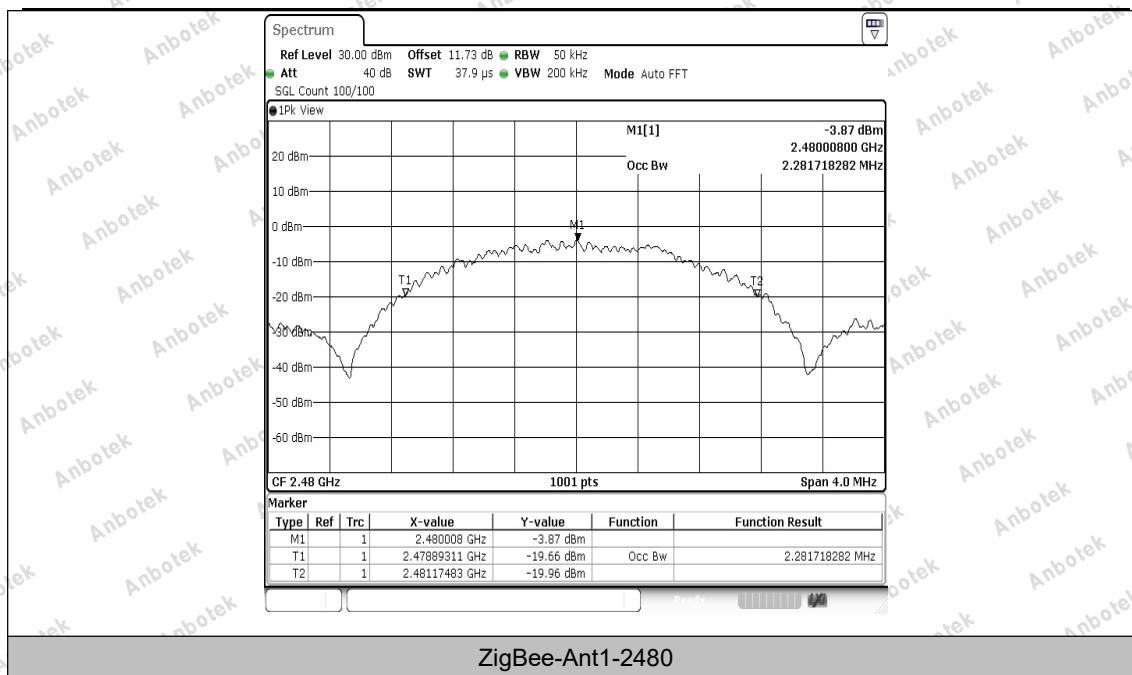
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
ZigBee	Ant1	2405	2.274	2403.8771	2406.1508	---	---
ZigBee	Ant1	2440	2.286	2438.8811	2441.1668	---	---
ZigBee	Ant1	2480	2.282	2478.8931	2481.1748	---	---



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	2.36	≤30	PASS
ZigBee	Ant1	2440	2.20	≤30	PASS
ZigBee	Ant1	2480	1.88	≤30	PASS

Test Graphs Peak



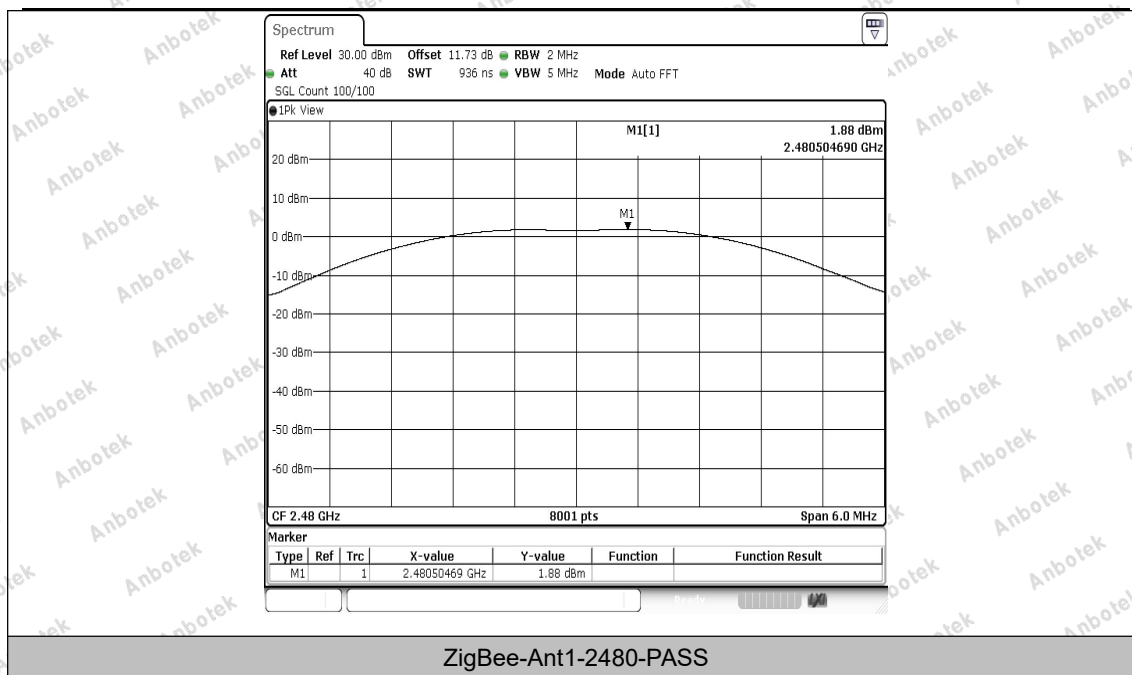
Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.
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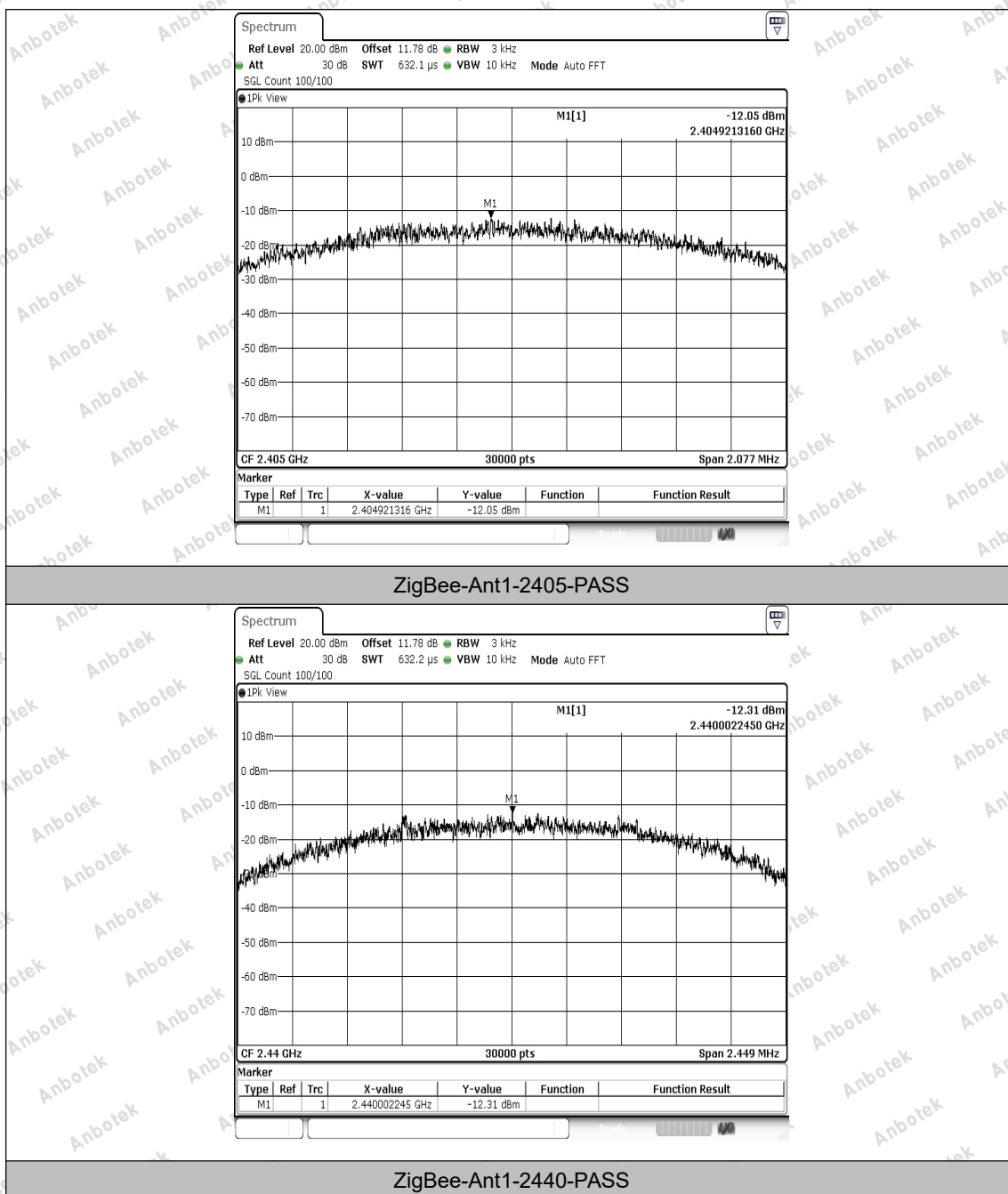
Appendix D: Maximum power spectral density

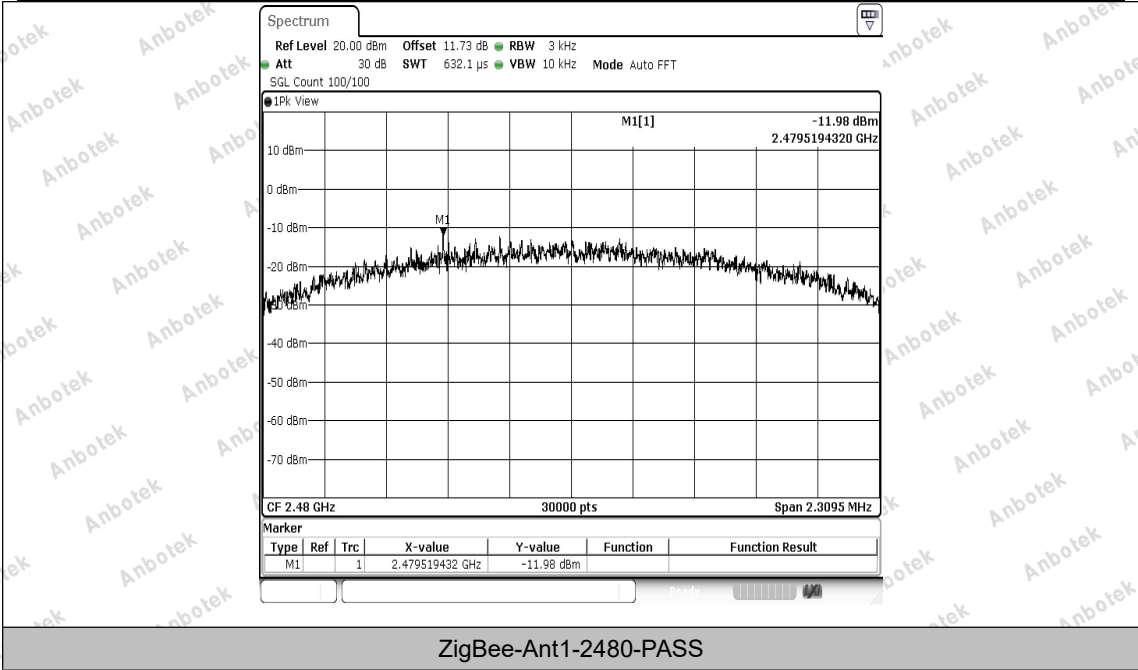
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
ZigBee	Ant1	2405	-12.05	≤8.00	PASS
ZigBee	Ant1	2440	-12.31	≤8.00	PASS
ZigBee	Ant1	2480	-11.98	≤8.00	PASS



Test Graphs





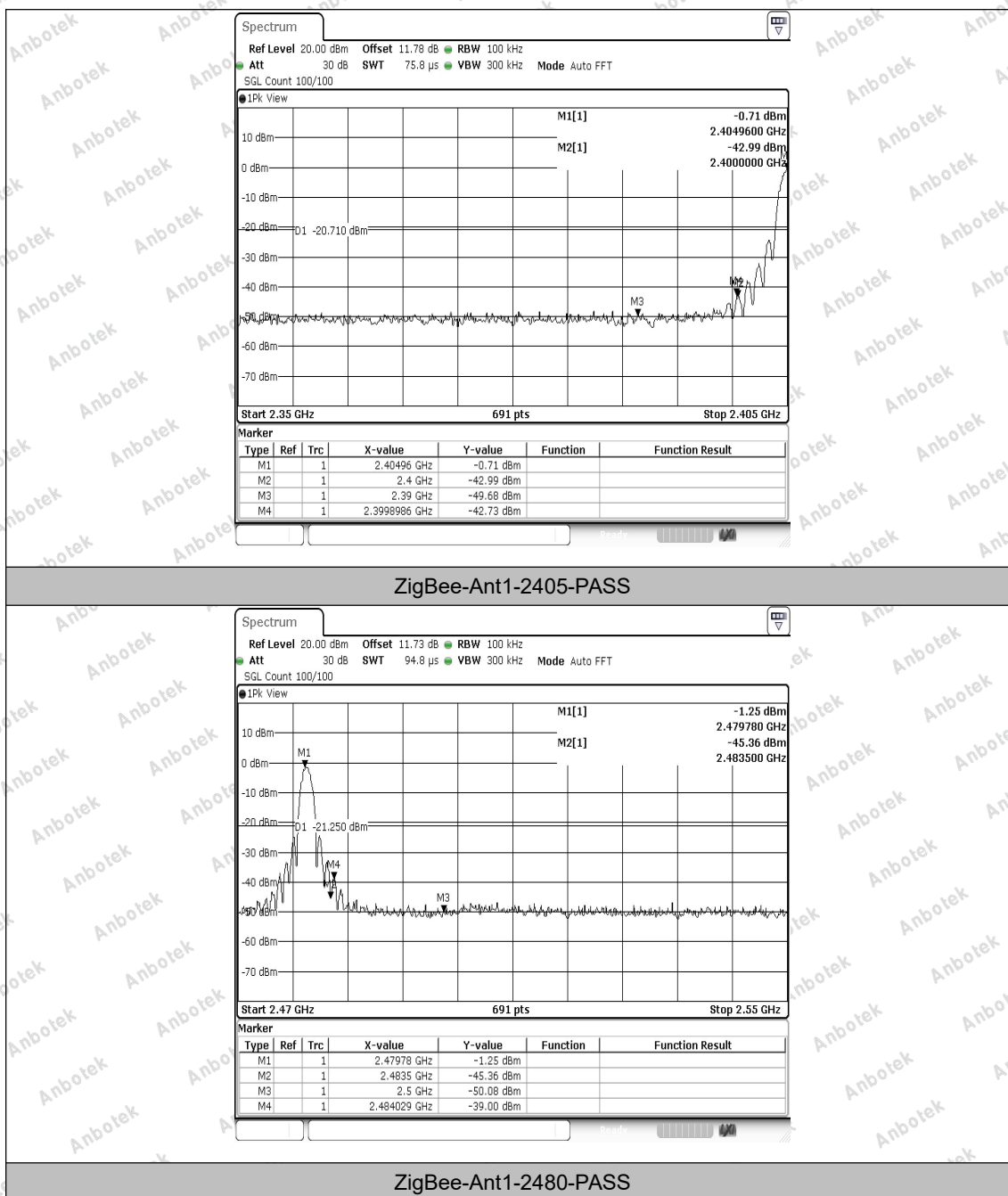
Appendix F: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
ZigBee	Ant1	Low	2405	-0.71	-42.73	≤-20.71	PASS
ZigBee	Ant1	High	2480	-1.25	-39	≤-21.25	PASS



Test Graphs



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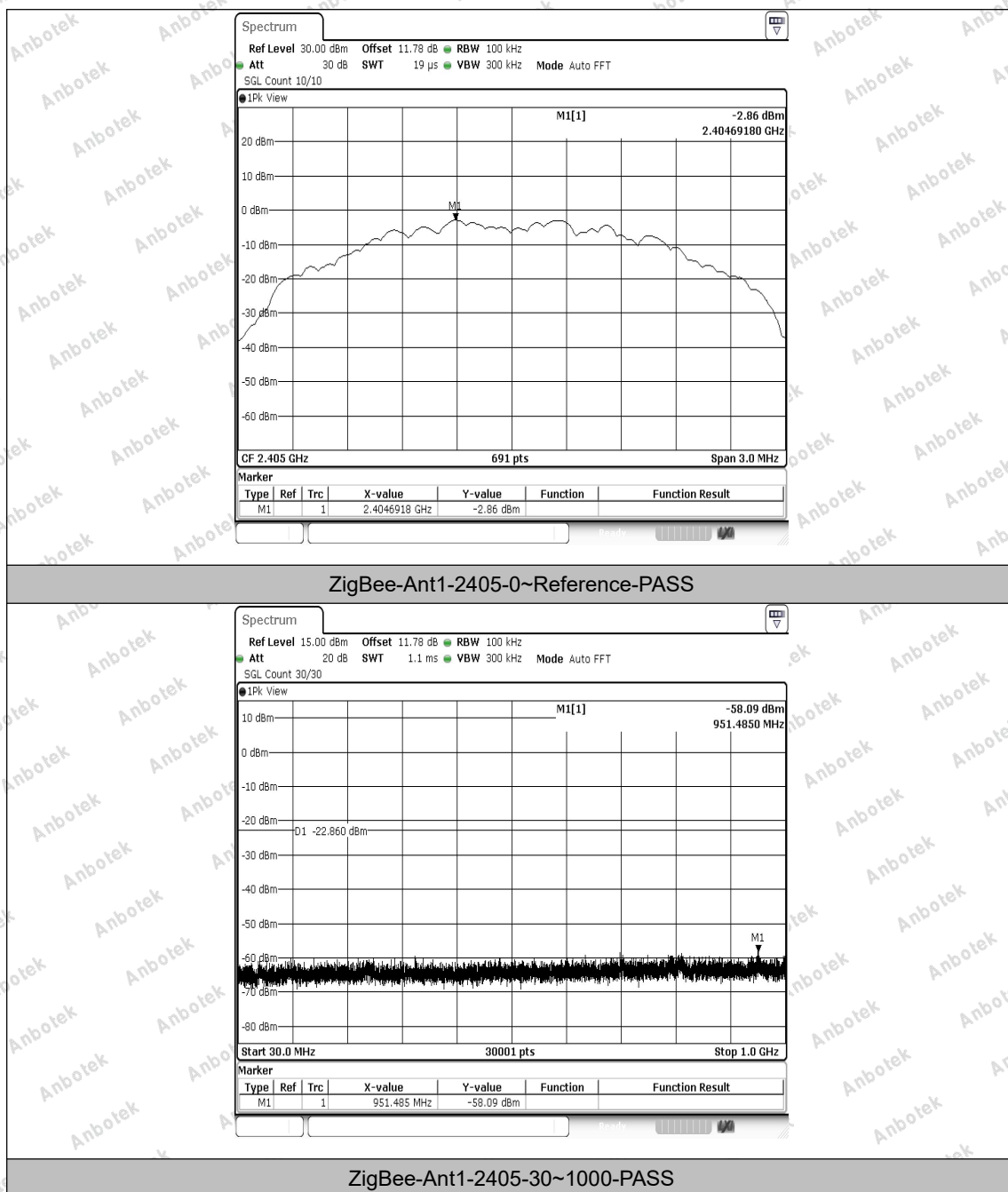
Appendix G: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
ZigBee	Ant1	2405	0~Reference	-2.86	-2.86	---	PASS
ZigBee	Ant1	2405	30~1000	-2.86	-58.09	≤-22.86	PASS
ZigBee	Ant1	2405	1000~26500	-2.86	-34.59	≤-22.86	PASS
ZigBee	Ant1	2440	0~Reference	-1.97	-1.97	---	PASS
ZigBee	Ant1	2440	30~1000	-1.97	-57.06	≤-21.97	PASS
ZigBee	Ant1	2440	1000~26500	-1.97	-34.4	≤-21.97	PASS
ZigBee	Ant1	2480	0~Reference	-2.67	-2.67	---	PASS
ZigBee	Ant1	2480	30~1000	-2.67	-58.08	≤-22.67	PASS
ZigBee	Ant1	2480	1000~26500	-2.67	-33.01	≤-22.67	PASS



Test Graphs



ZigBee-Ant1-2405-30~1000-PASS

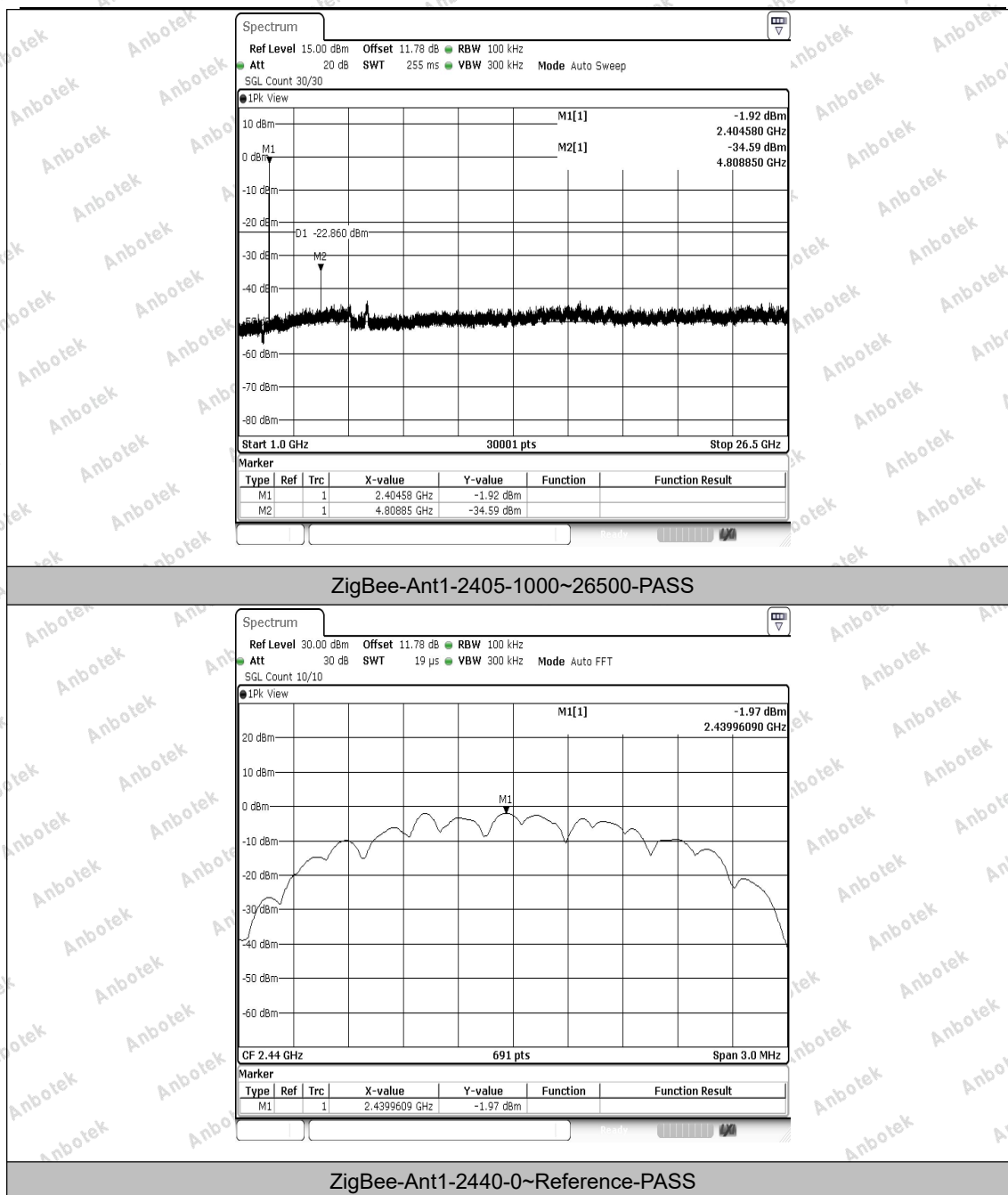
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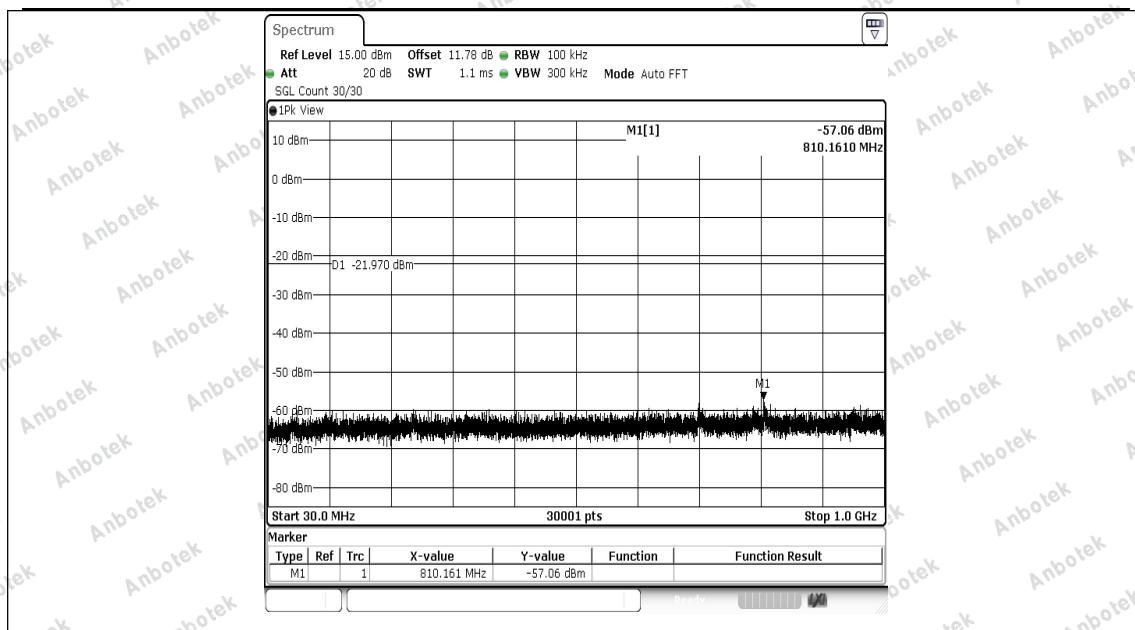
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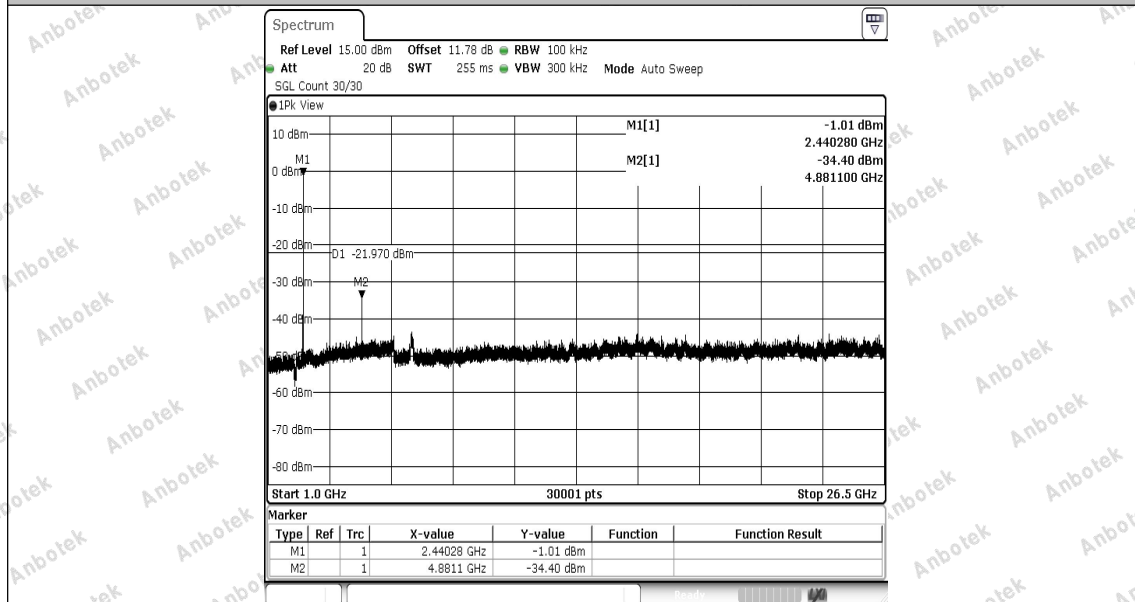
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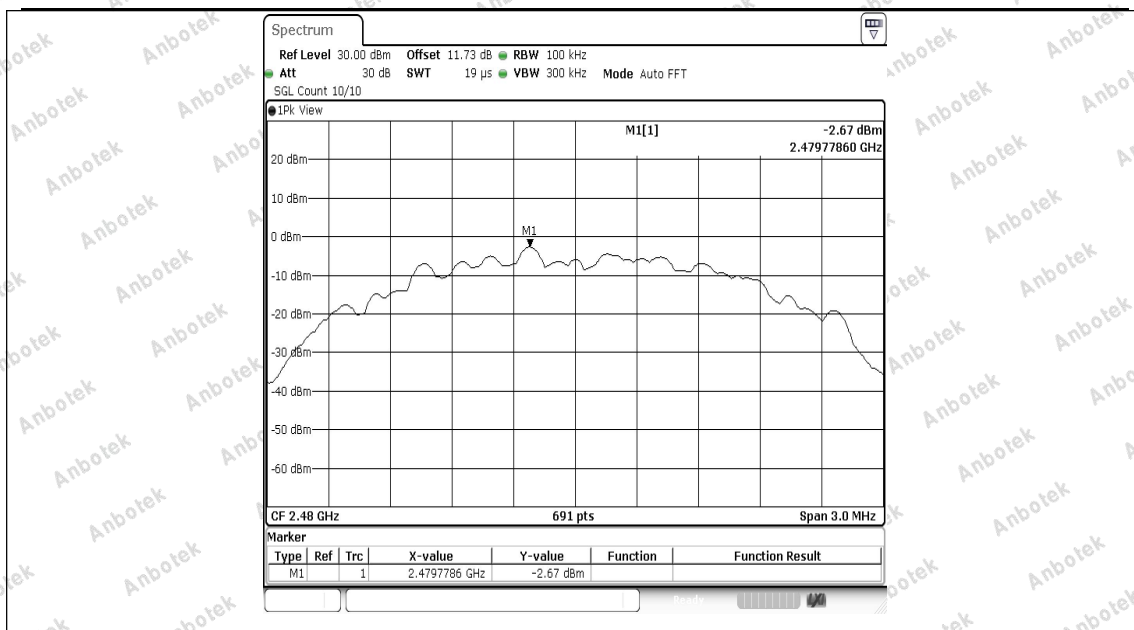


ZigBee-Ant1-2440-30~1000-PASS

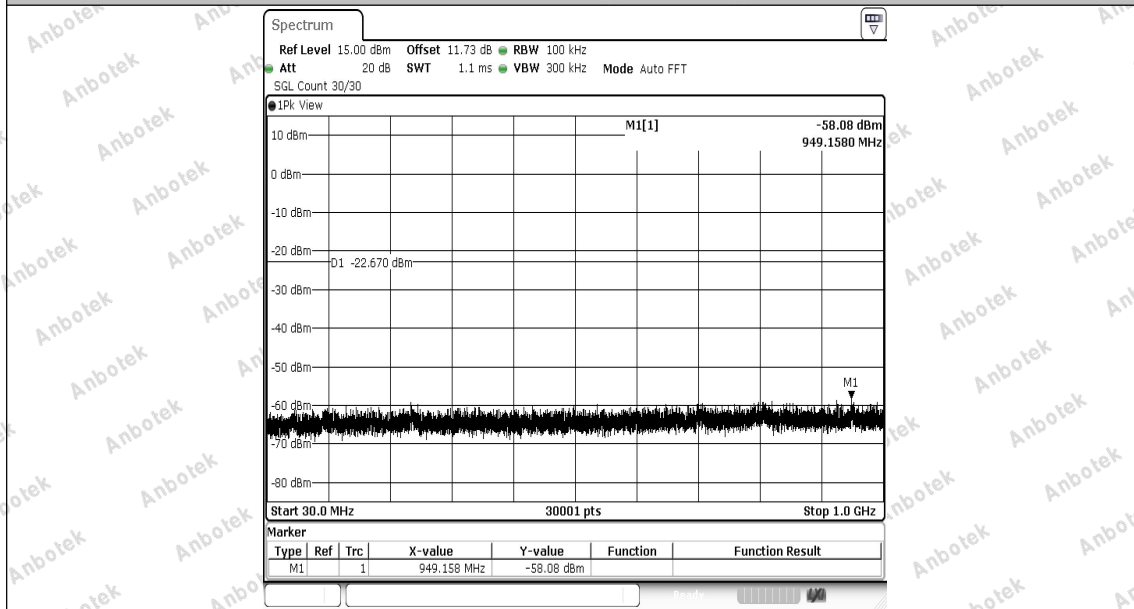


ZigBee-Ant1-2440-1000~26500-PASS



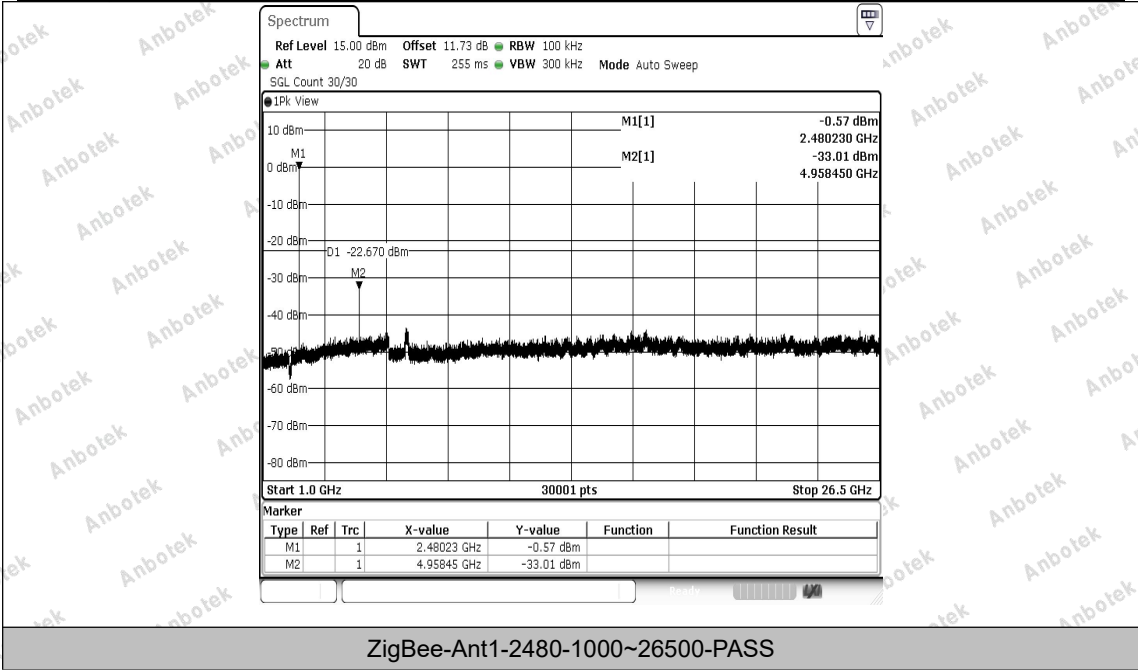


ZigBee-Ant1-2480-0~Reference-PASS



ZigBee-Ant1-2480-30~1000-PASS





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