

Appendix Test Data

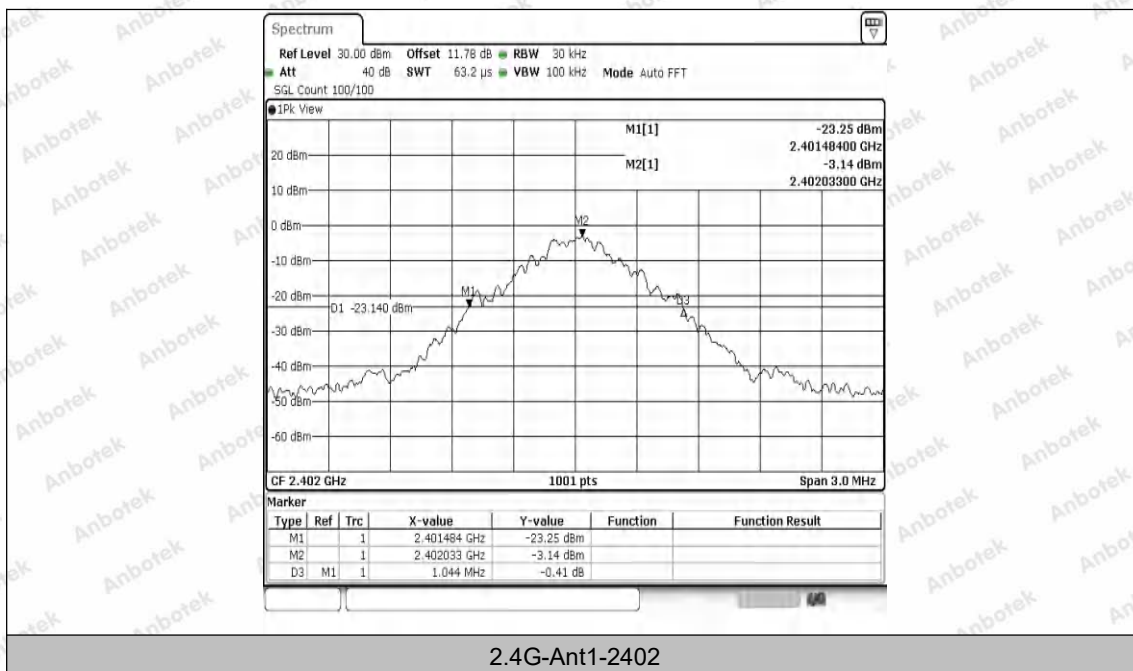
Report No:	182518C400030102	Test Sample NO:	1-2-2
Start Test Date:	2024.7.26	Finish Test Date:	2024.7.26
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	24°C	Relative Humidity:	51%
Pressure:	101 kPa		

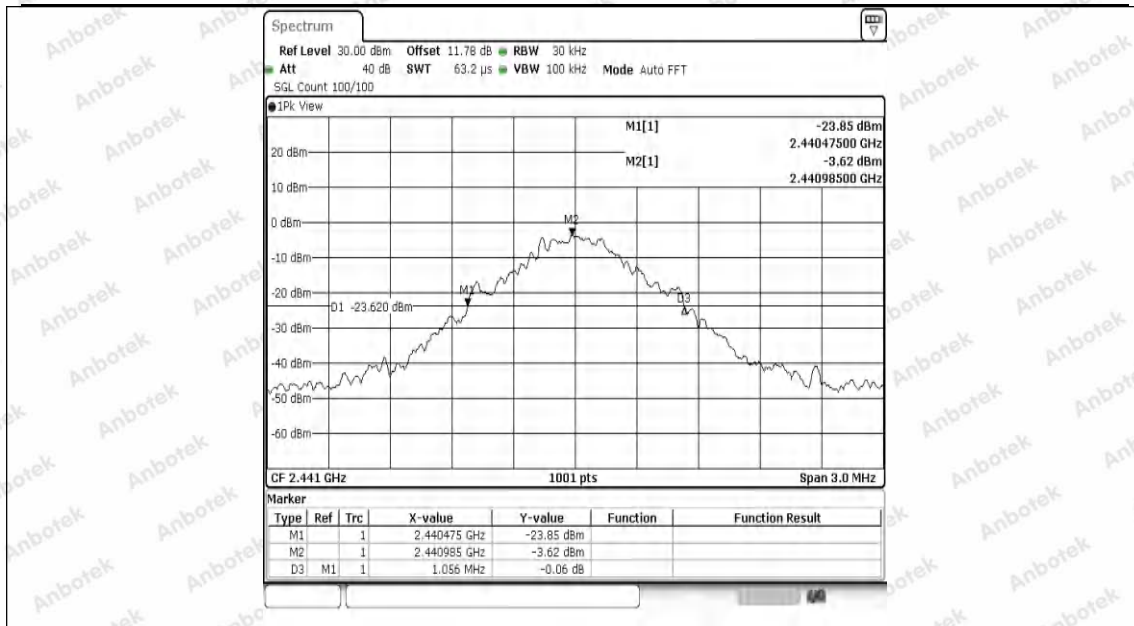
Appendix A: 20dB Emission Bandwidth

Test Result

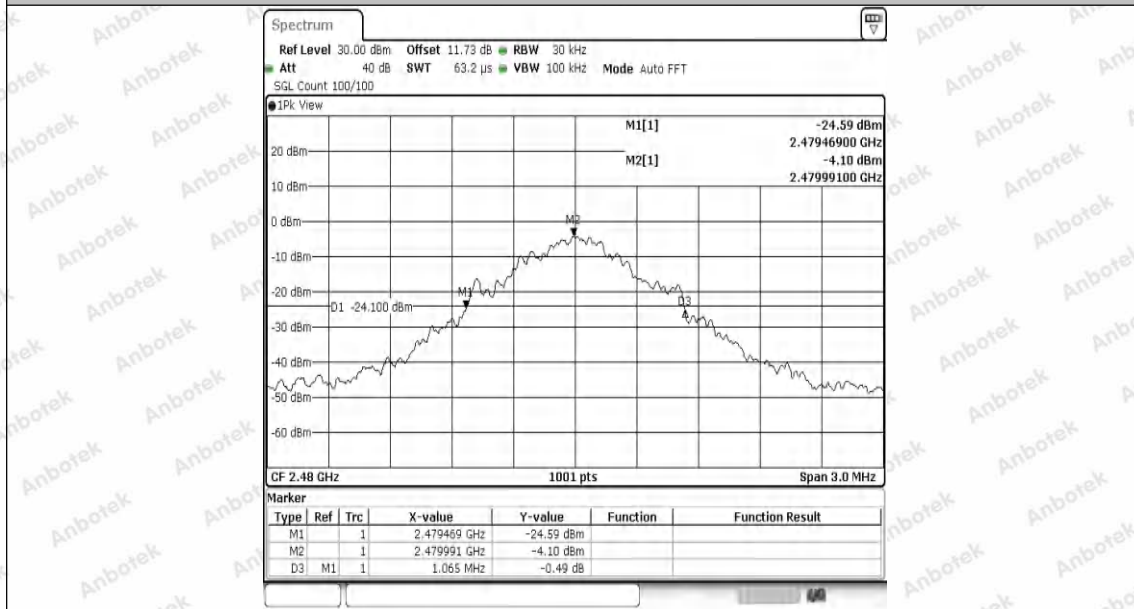
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	1.04	2401.48	2402.53	---	---
2.4G	Ant1	2441	1.06	2440.48	2441.53	---	---
2.4G	Ant1	2480	1.07	2479.47	2480.53	---	---

Test Graphs





2.4G-Ant1-2441



2.4G-Ant1-2480

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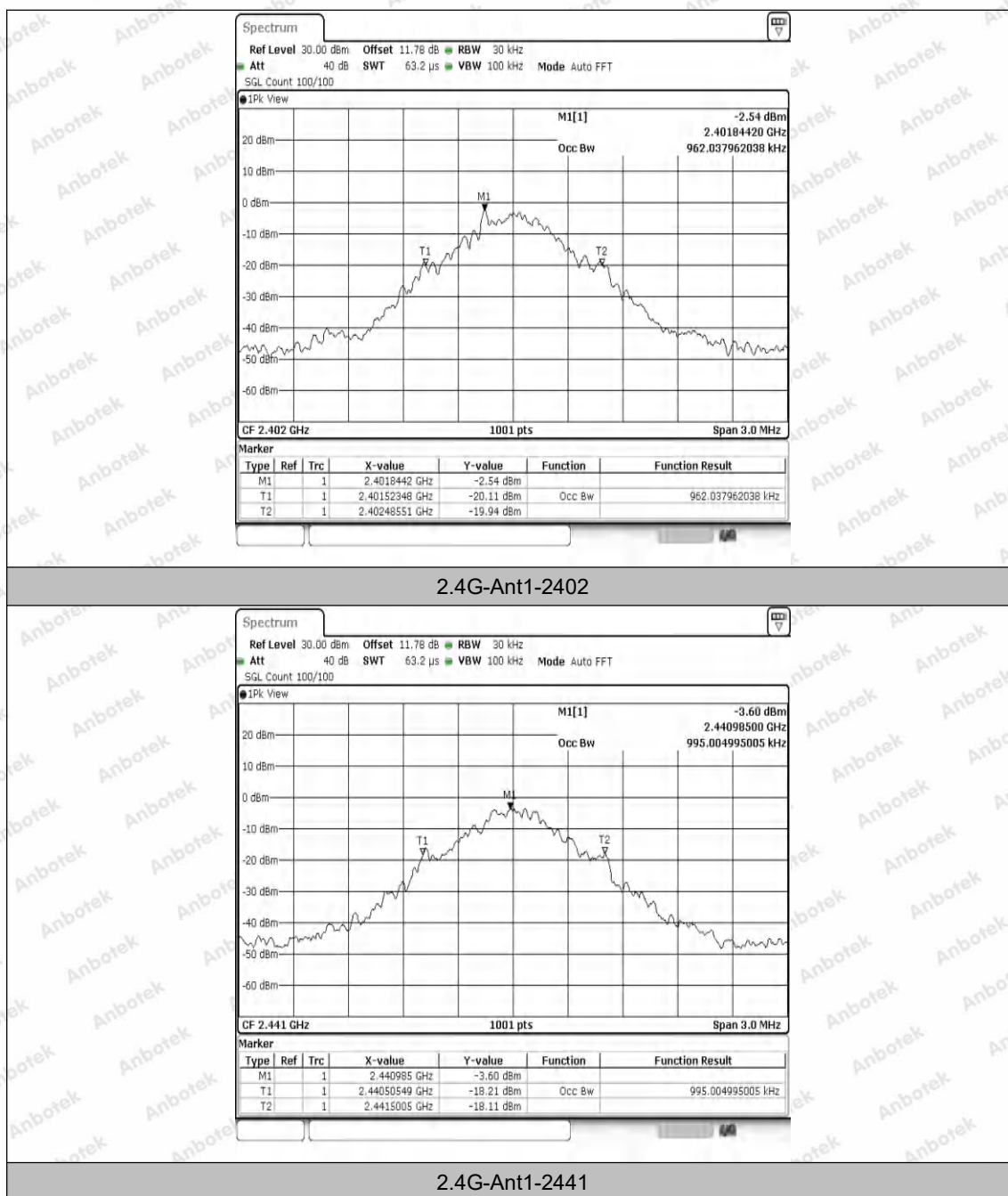


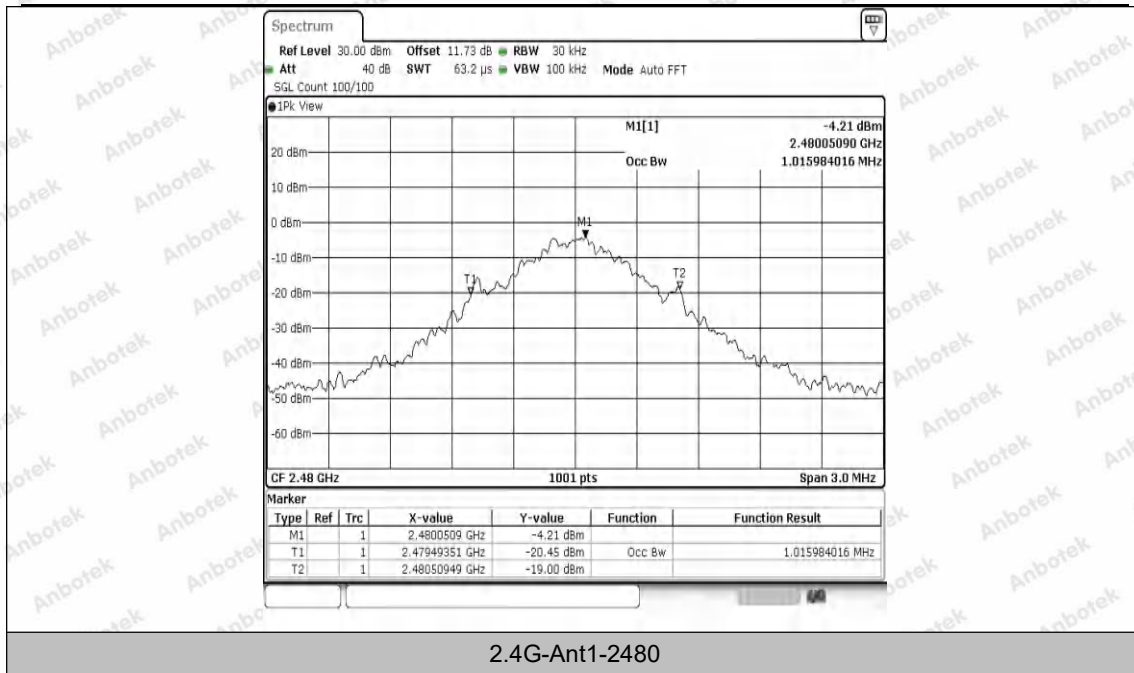
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	0.962	2401.5235	2402.4855	---	---
2.4G	Ant1	2441	0.995	2440.5055	2441.5005	---	---
2.4G	Ant1	2480	1.016	2479.4935	2480.5095	---	---

Test Graphs





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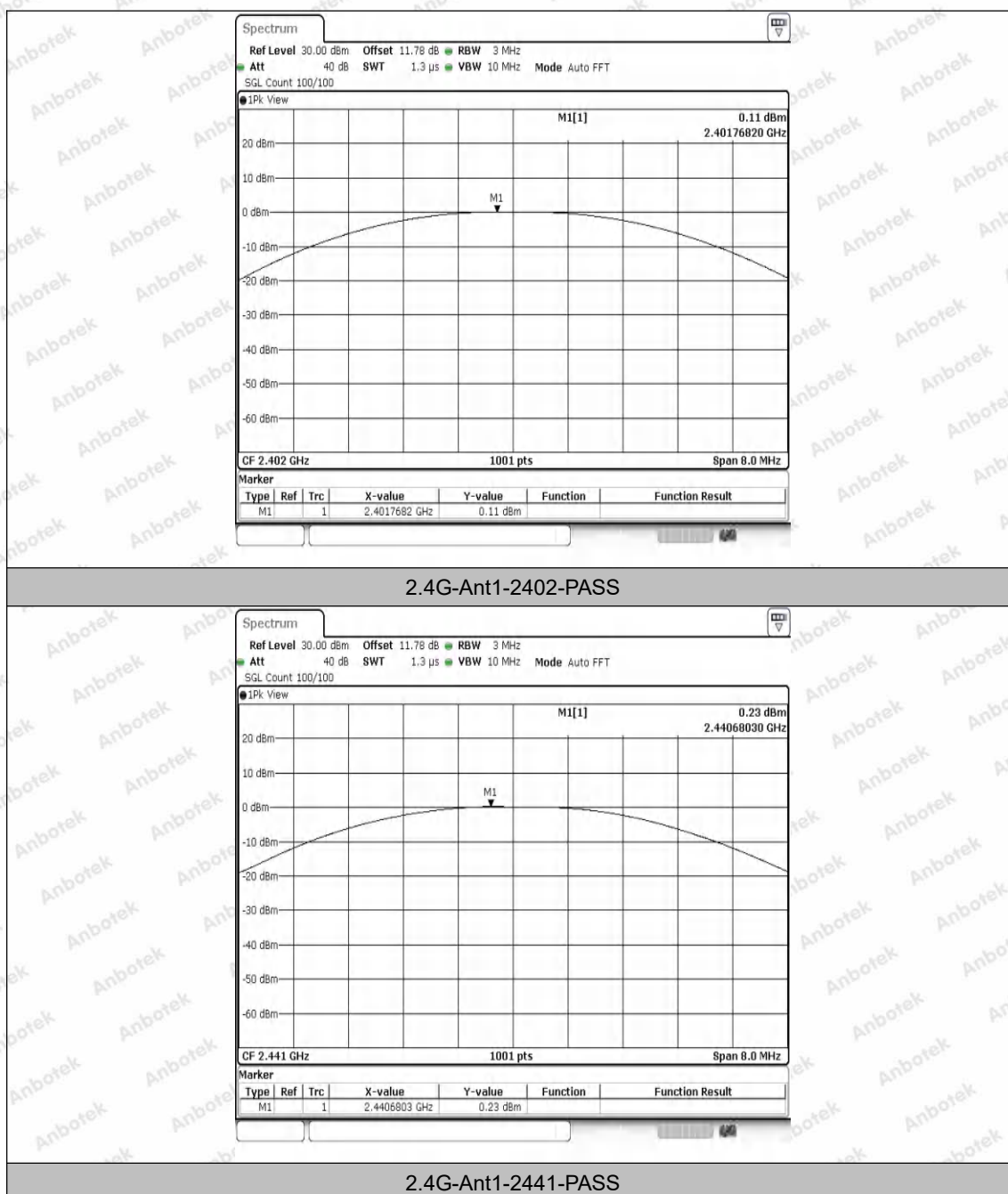


Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402	0.11	≤30	PASS
2.4G	Ant1	2441	0.23	≤30	PASS
2.4G	Ant1	2480	-0.51	≤30	PASS

Test Graphs



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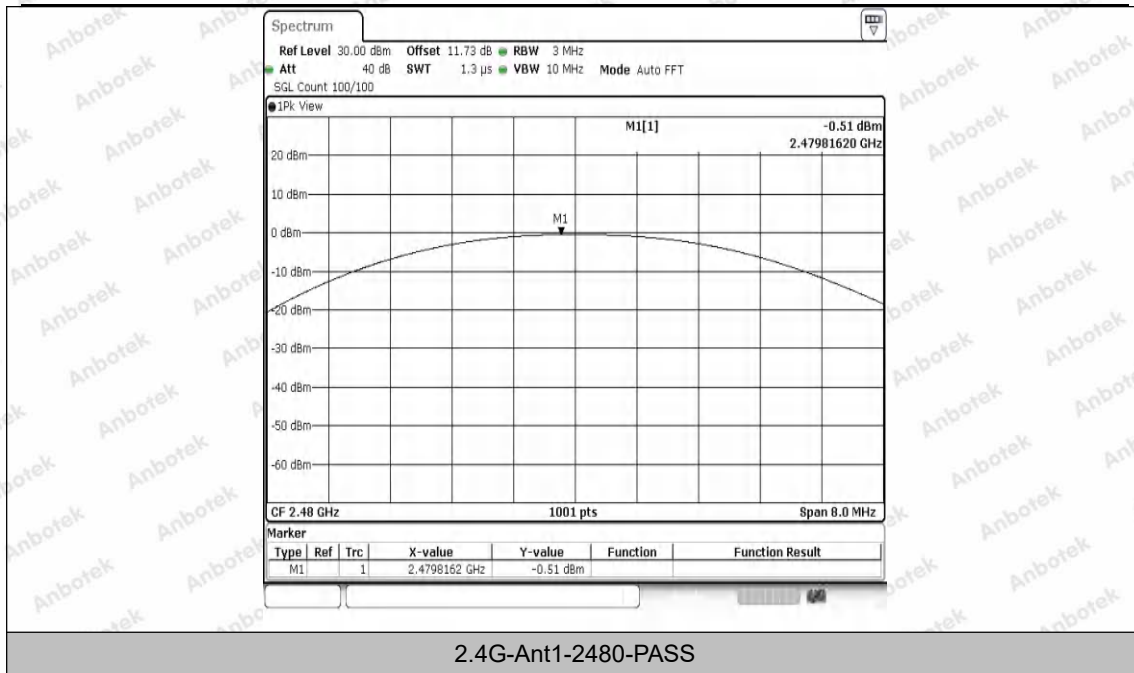


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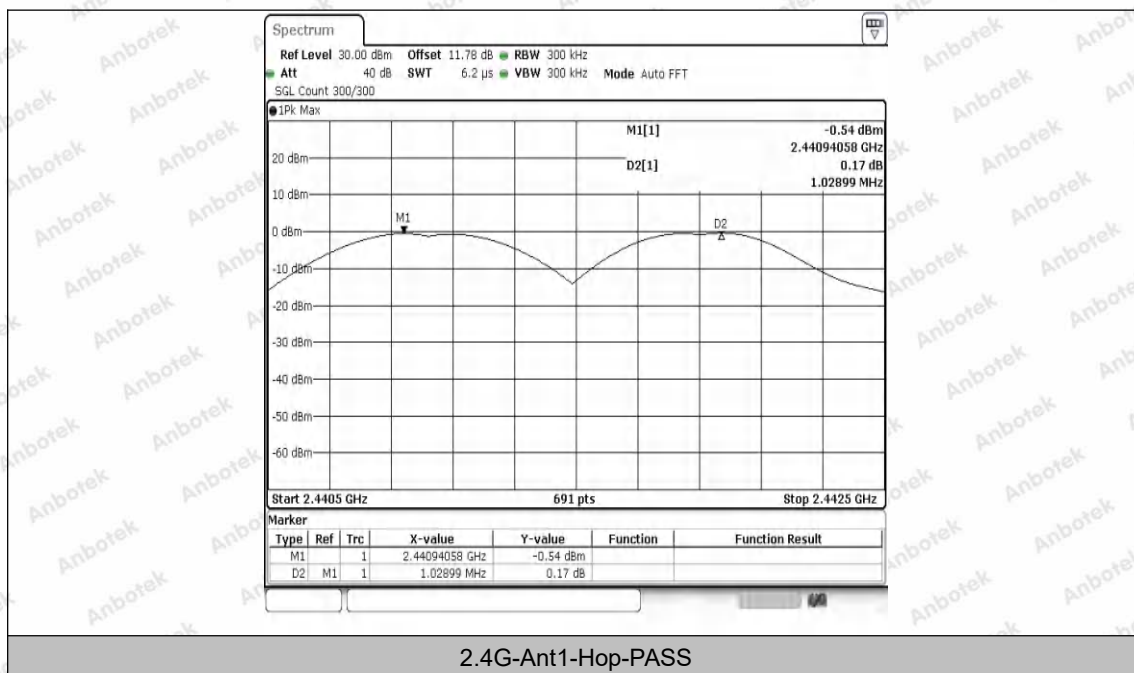


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	1.029	≥0.713	PASS

Test Graphs

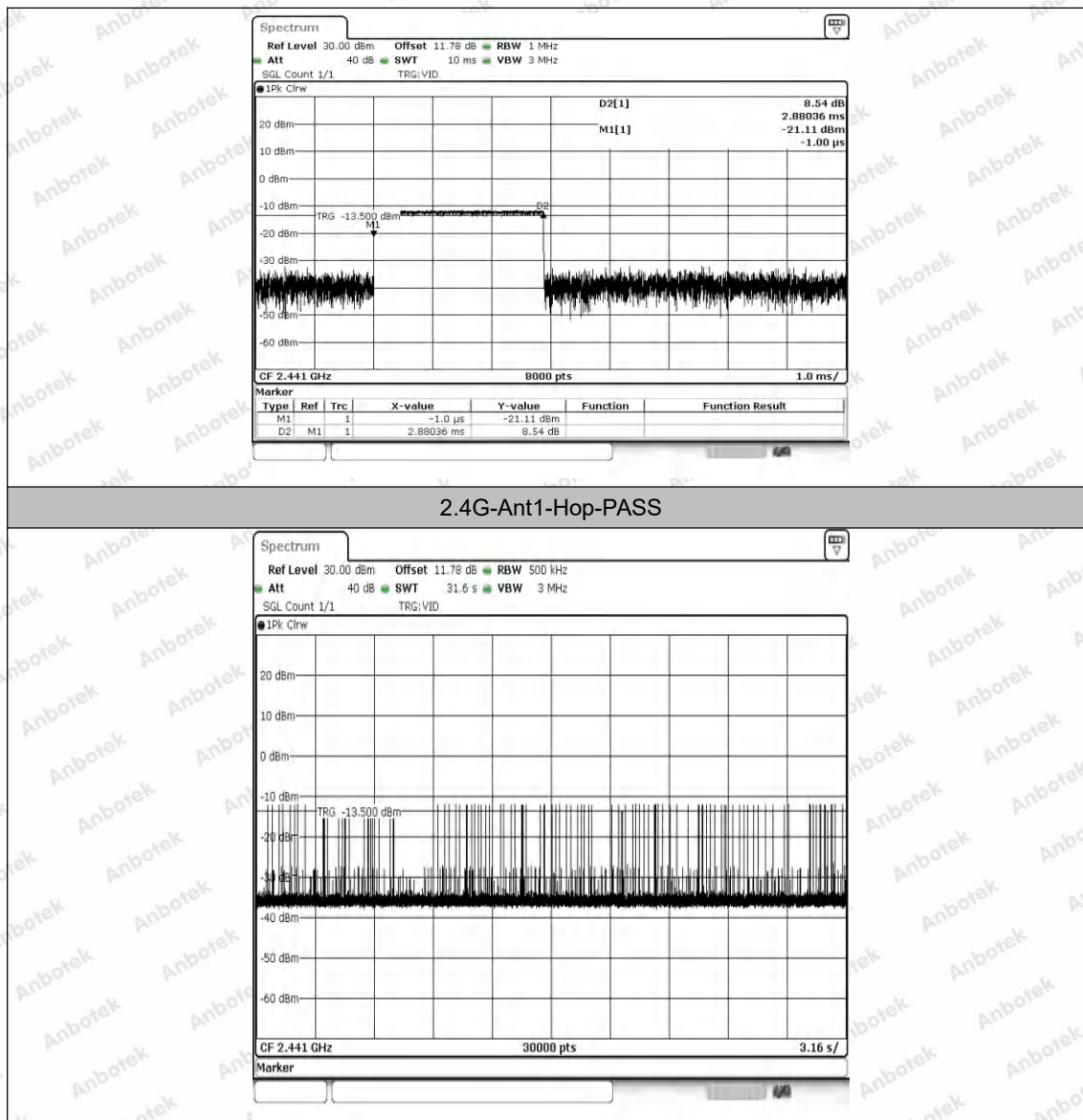


Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	2.880	116	-0.231	≤0.4	PASS

Test Graphs

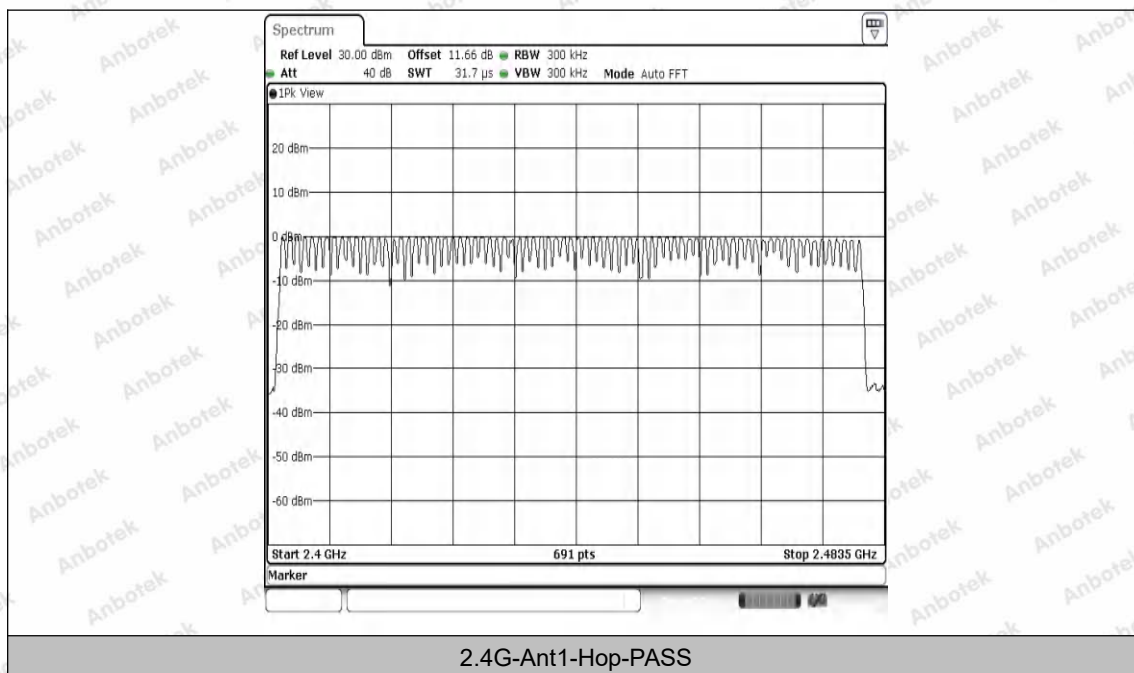


Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	79	≥15	PASS

Test Graphs

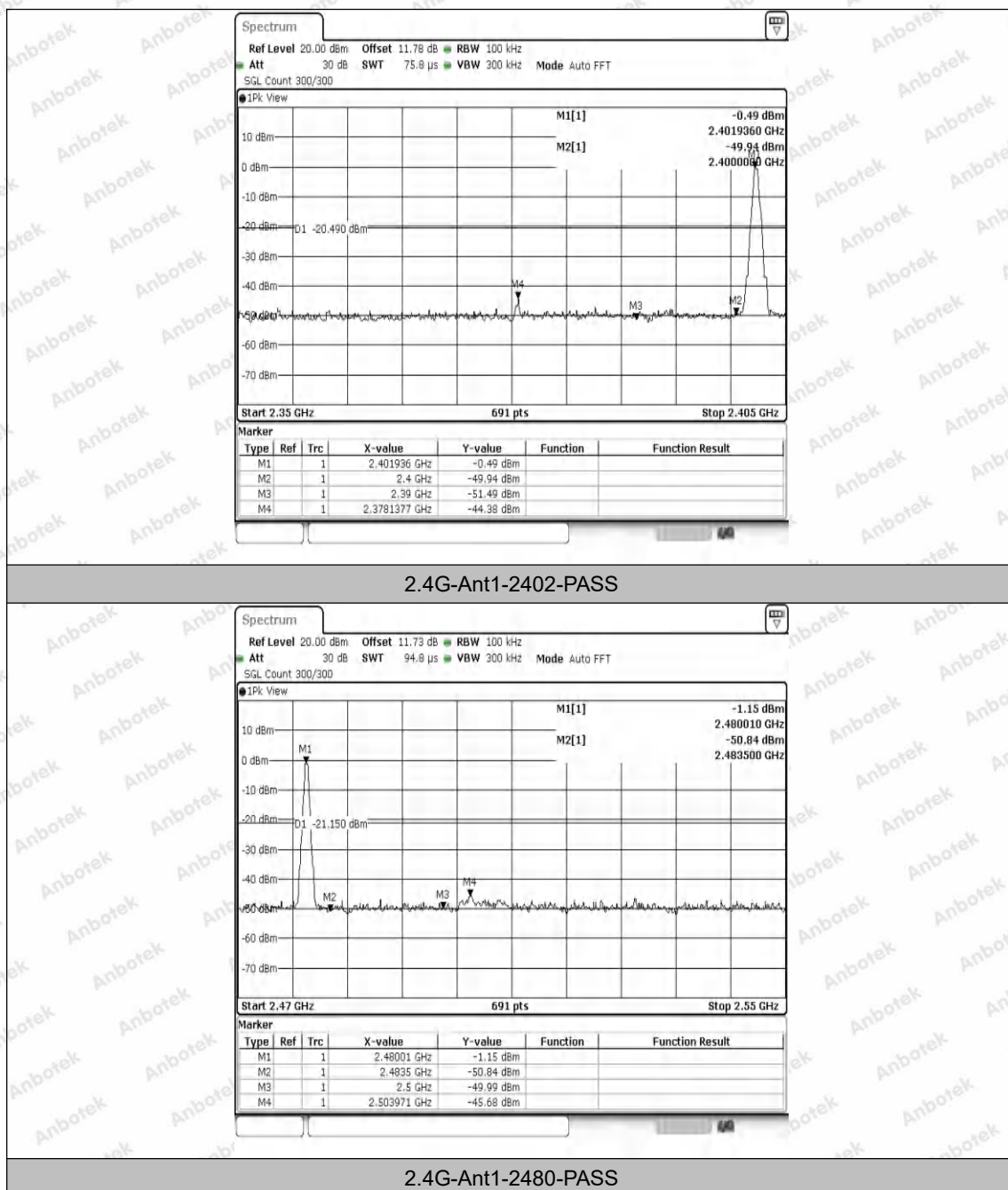


Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402	-0.49	-44.38	≤-20.49	PASS
2.4G	Ant1	High	2480	-1.15	-45.68	≤-21.15	PASS
2.4G	Ant1	Low	Hop_2402	-1.11	-46.26	≤-21.11	PASS
2.4G	Ant1	High	Hop_2480	-1.10	-45.87	≤-21.1	PASS

Test Graphs



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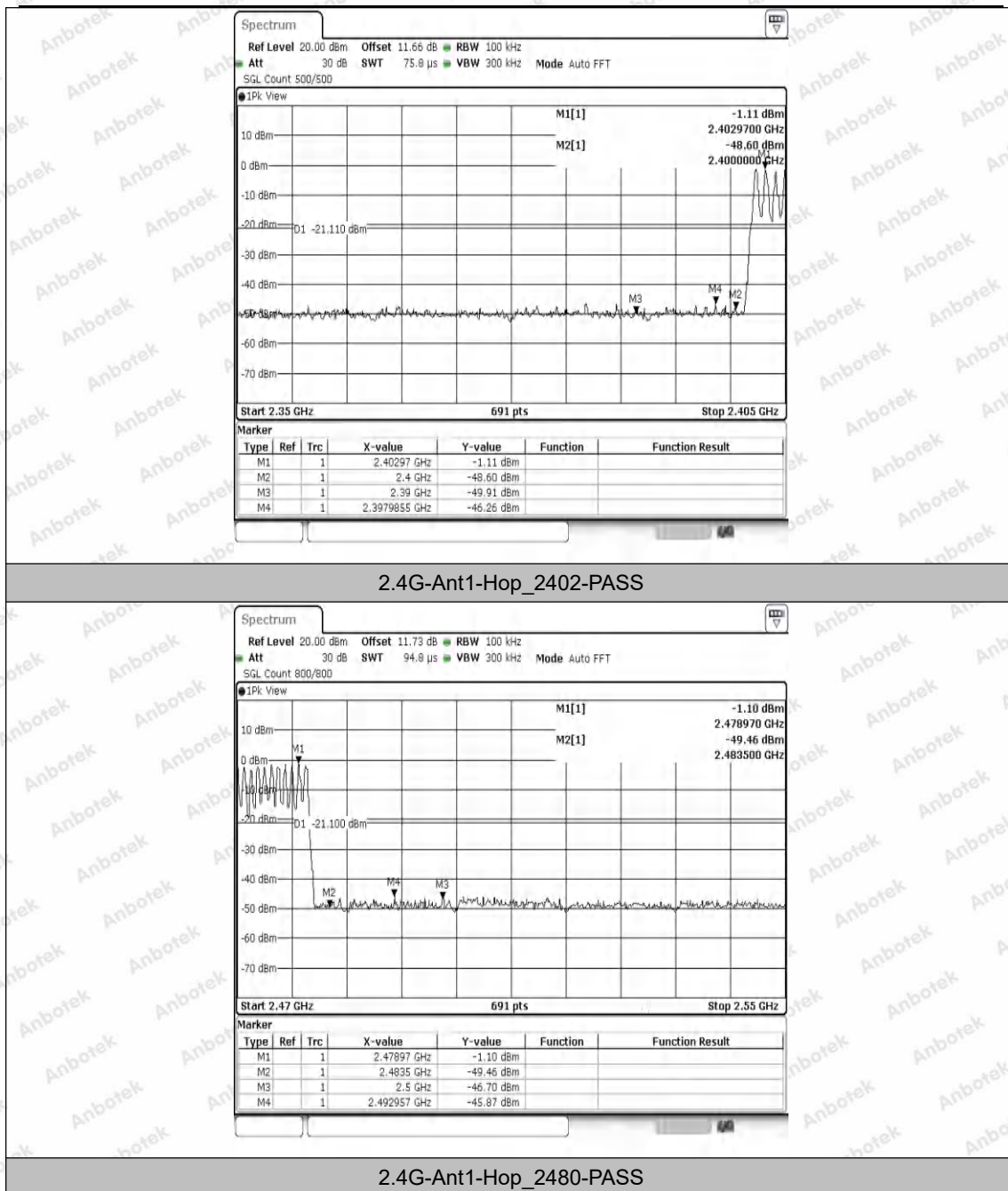


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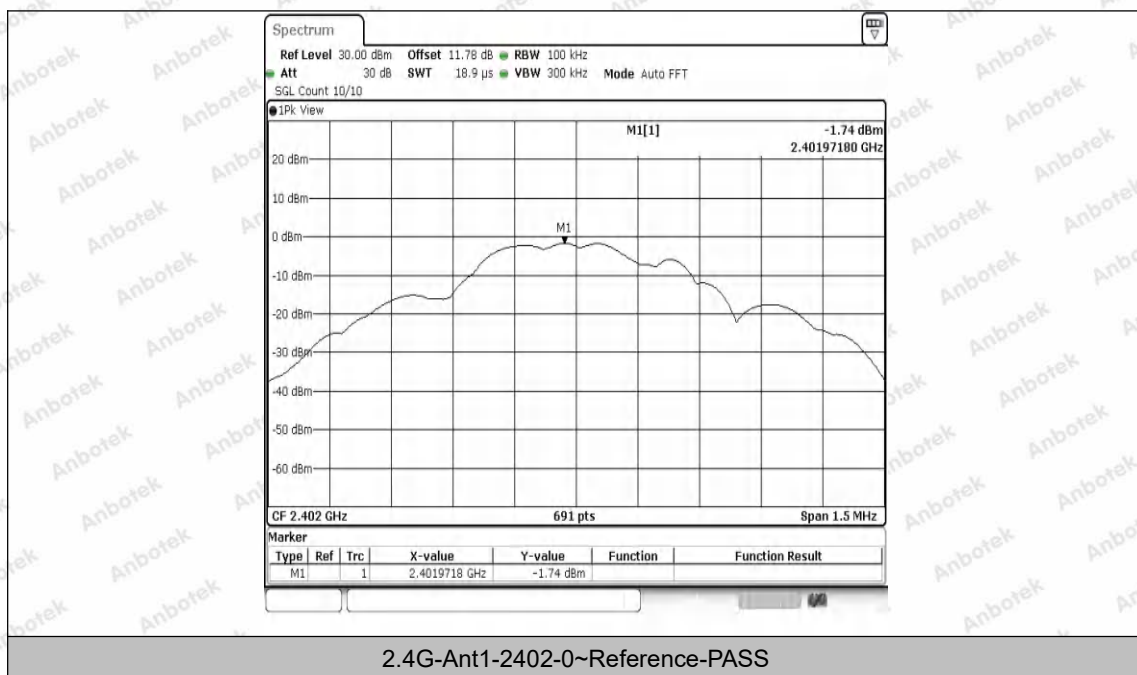


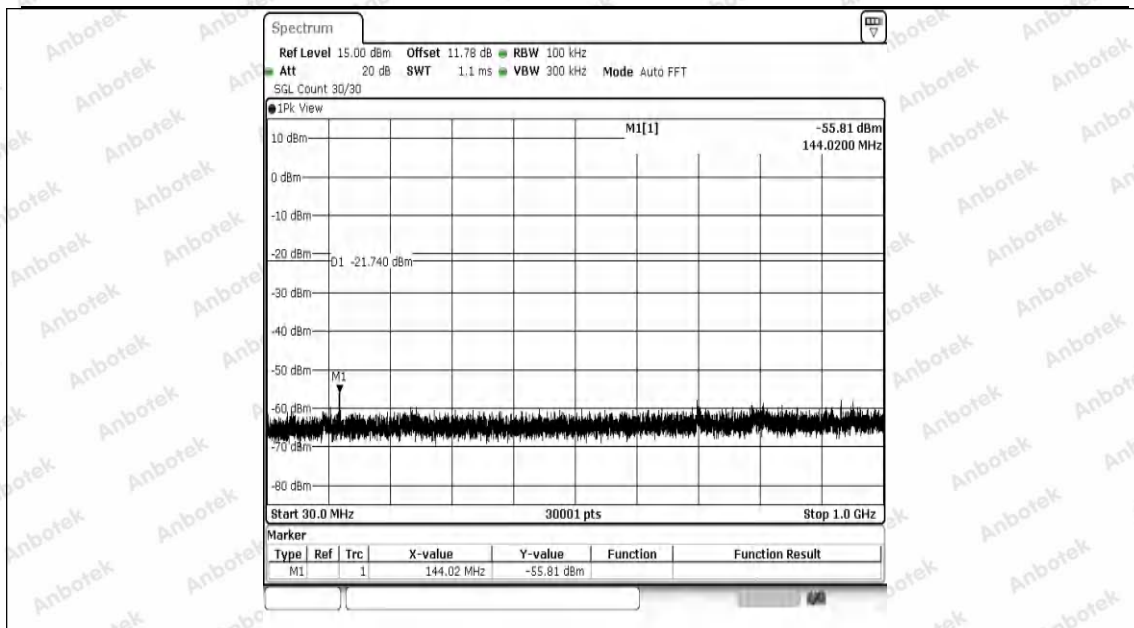
Appendix H: Conducted Spurious Emission

Test Result

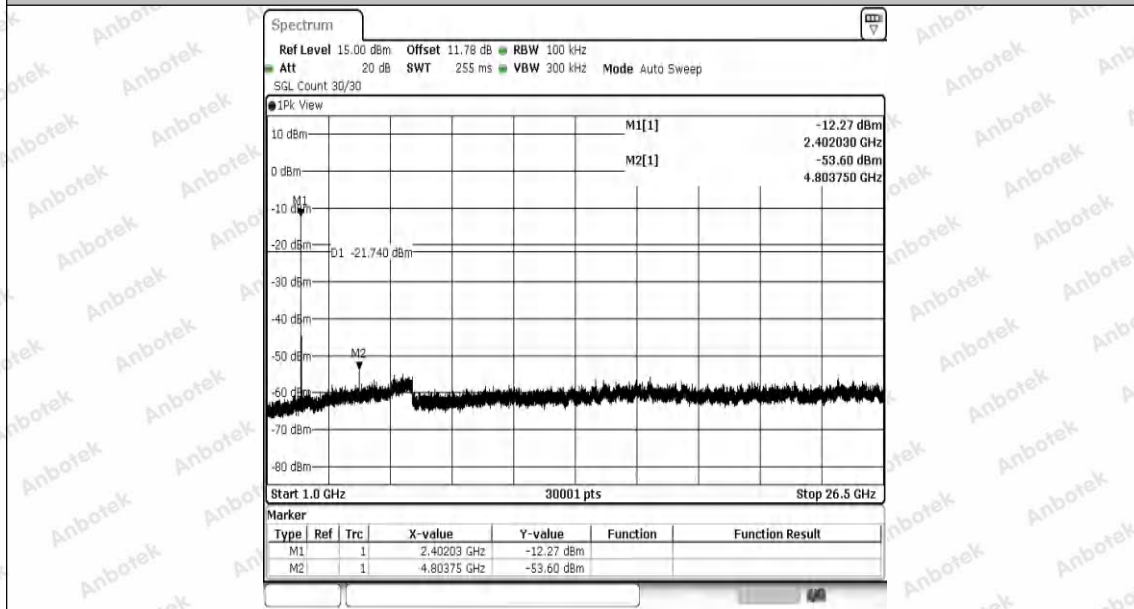
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402	0~Reference	-1.74	-1.74	---	PASS
2.4G	Ant1	2402	30~1000	-1.74	-55.81	≤-21.74	PASS
2.4G	Ant1	2402	1000~26500	-1.74	-53.6	≤-21.74	PASS
2.4G	Ant1	2441	0~Reference	-1.77	-1.77	---	PASS
2.4G	Ant1	2441	30~1000	-1.77	-57.36	≤-21.77	PASS
2.4G	Ant1	2441	1000~26500	-1.77	-51.26	≤-21.77	PASS
2.4G	Ant1	2480	0~Reference	-1.33	-1.33	---	PASS
2.4G	Ant1	2480	30~1000	-1.33	-58.19	≤-21.33	PASS
2.4G	Ant1	2480	1000~26500	-1.33	-51.43	≤-21.33	PASS

Test Graphs





2.4G-Ant1-2402-30~1000-PASS



2.4G-Ant1-2402-1000~26500-PASS

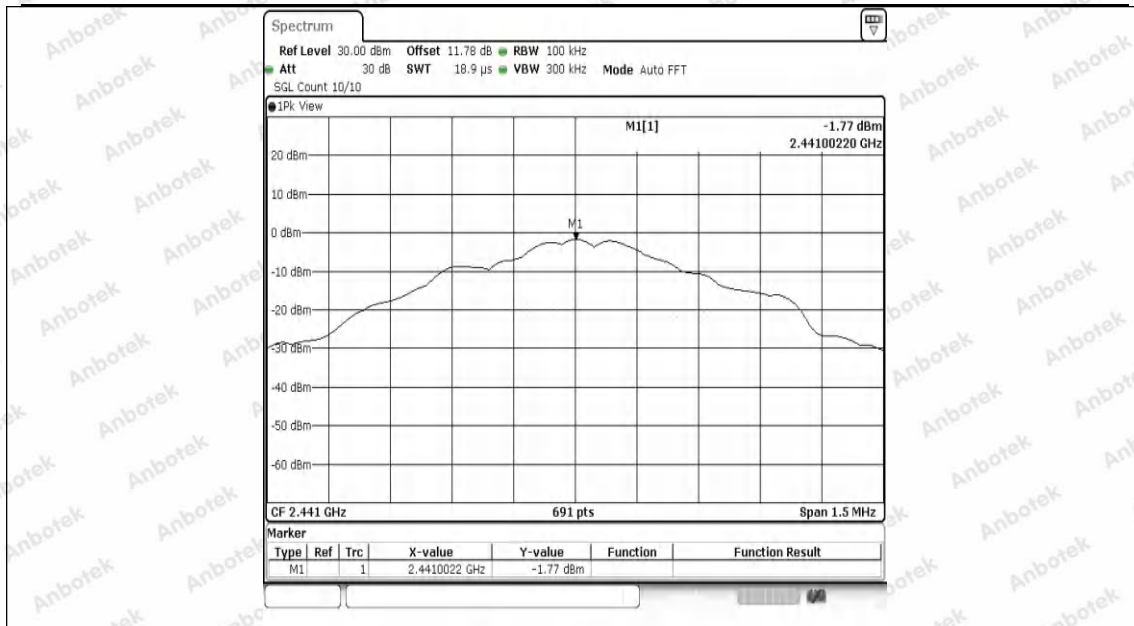
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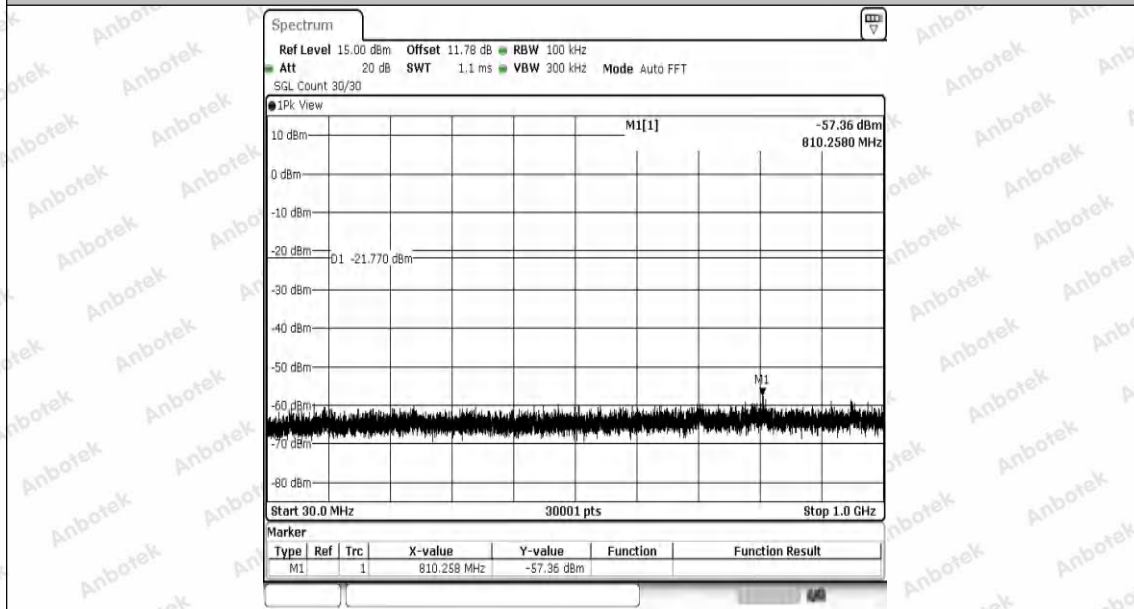


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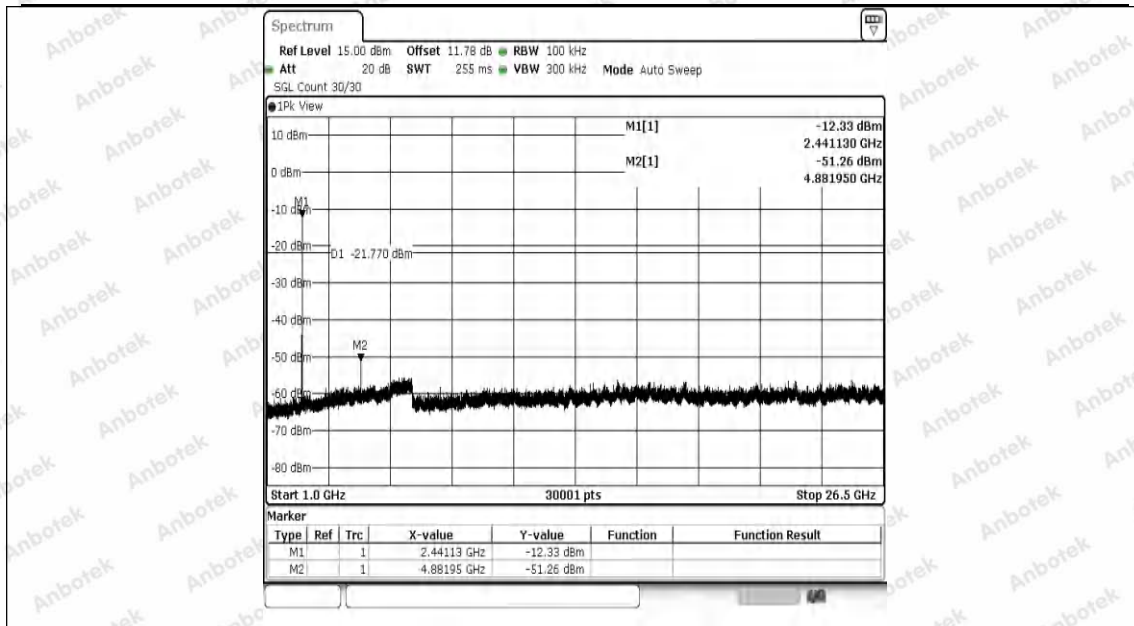


2.4G-Ant1-2441-0~Reference-PASS

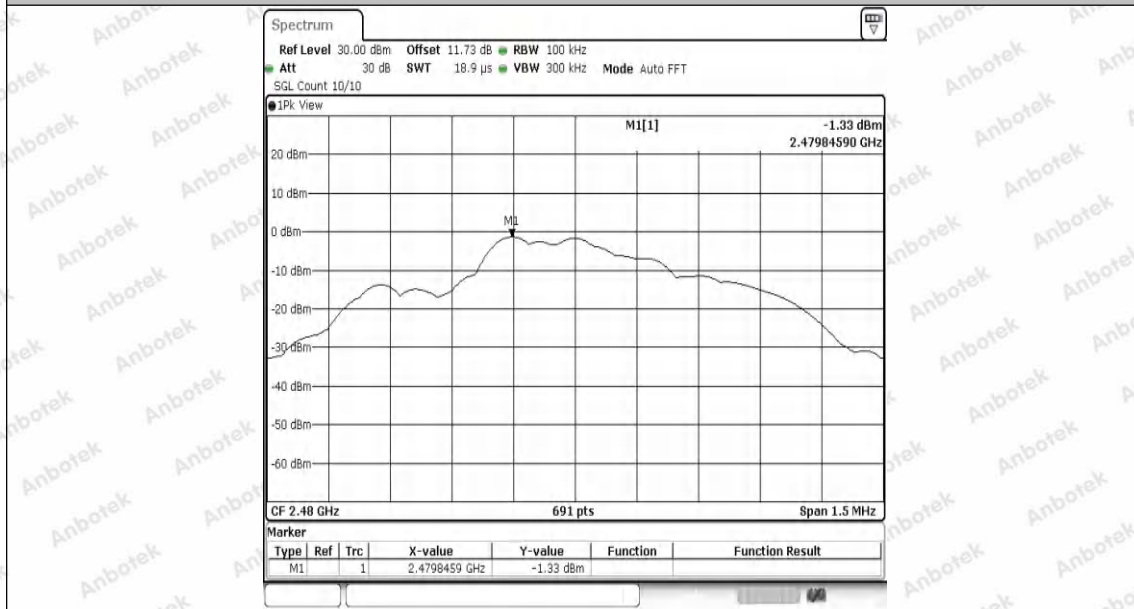


2.4G-Ant1-2441-30~1000-PASS





2.4G-Ant1-2441-1000~26500-PASS



2.4G-Ant1-2480-0~Reference-PASS

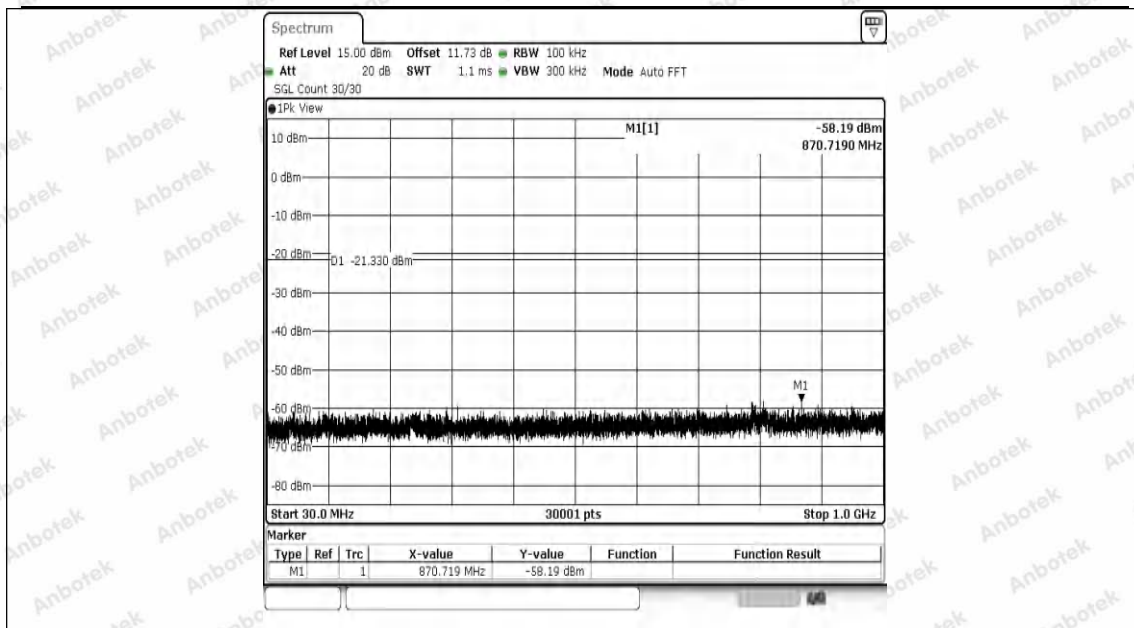
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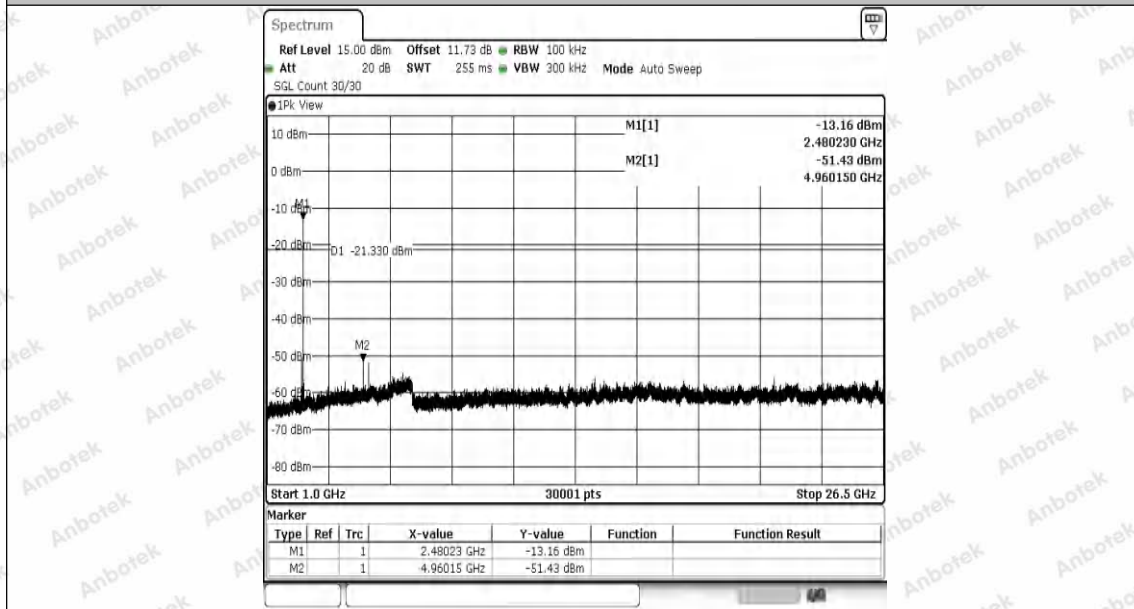


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2.4G-Ant1-2480-30~1000-PASS



2.4G-Ant1-2480-1000~26500-PASS

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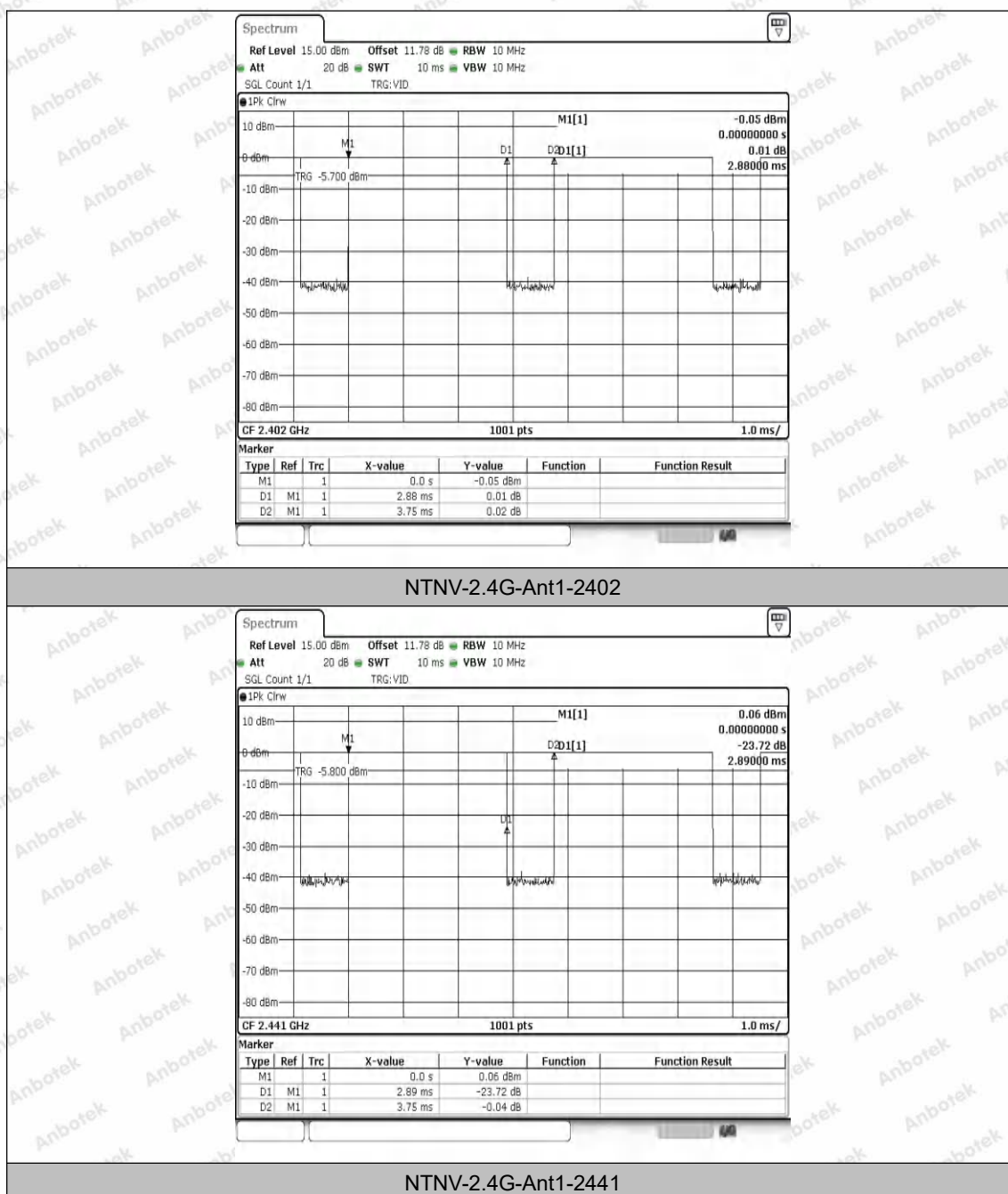


Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402	2.88	3.75	76.80	1.15
2.4G	Ant1	2441	2.89	3.75	77.07	1.13
2.4G	Ant1	2480	2.89	3.75	77.07	1.13

Test Graphs



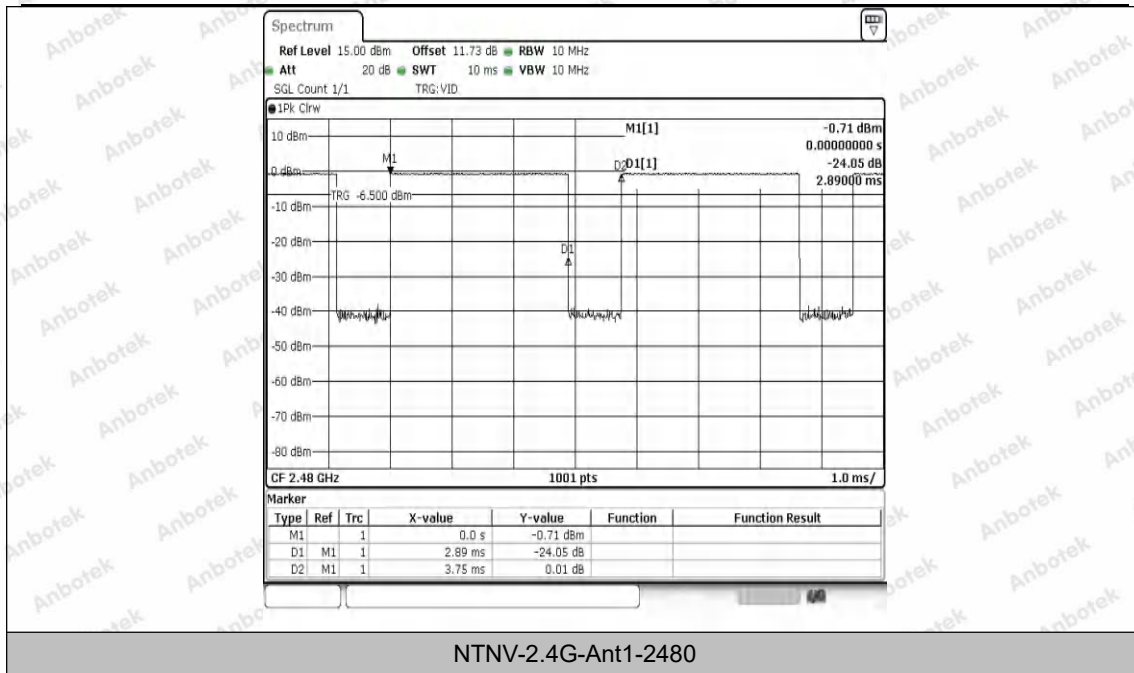
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