

## Appendix Test Data

Report No:	182512C400522101	Test Sample NO:	1-2-2
Start Test Date:	2024.8.5	Finish Test Date:	2024.8.5
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.3°C	Relative Humidity:	45%
Pressure:	101 kPa		

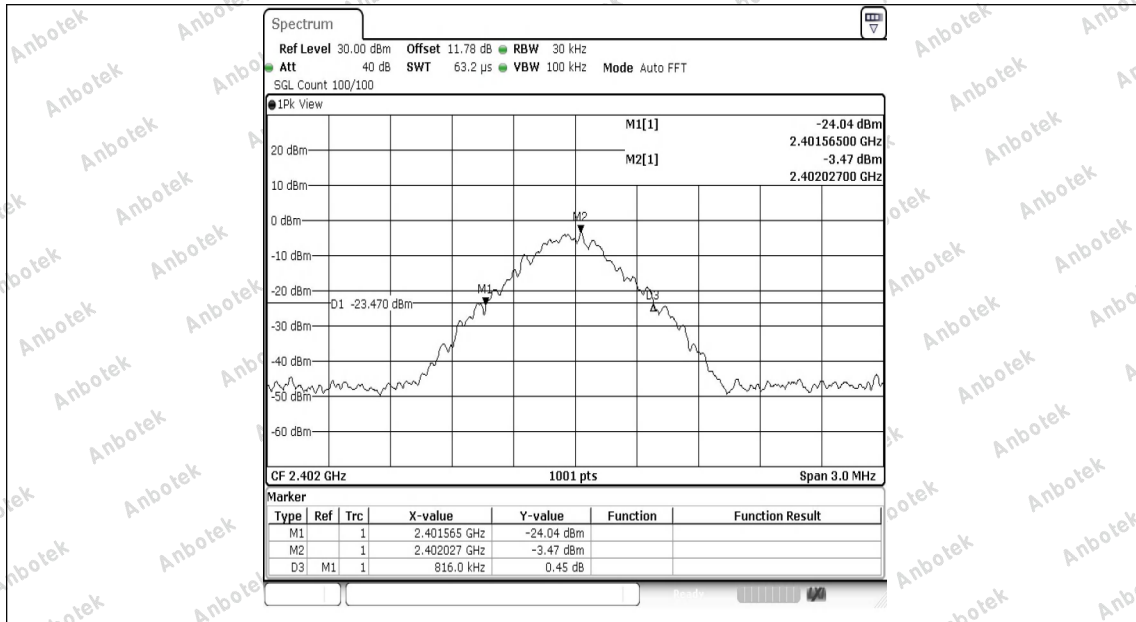
## Appendix A: 20dB Emission Bandwidth

## Test Result

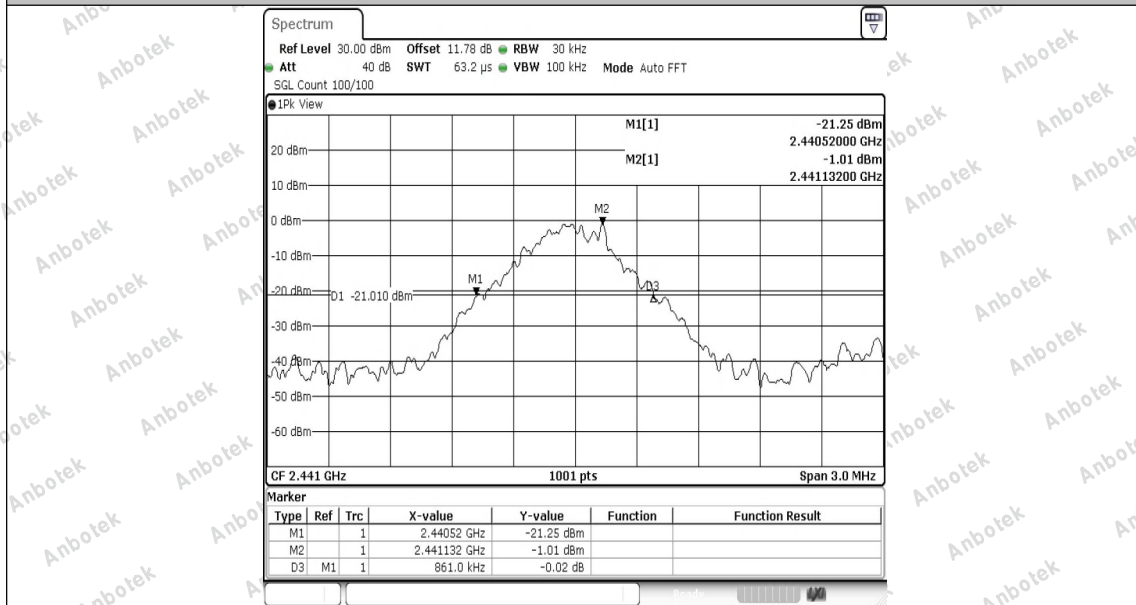
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	0.82	2401.57	2402.38	---	---
2.4G	Ant1	2441	0.86	2440.52	2441.38	---	---
2.4G	Ant1	2480	0.82	2479.57	2480.38	---	---



## Test Graphs

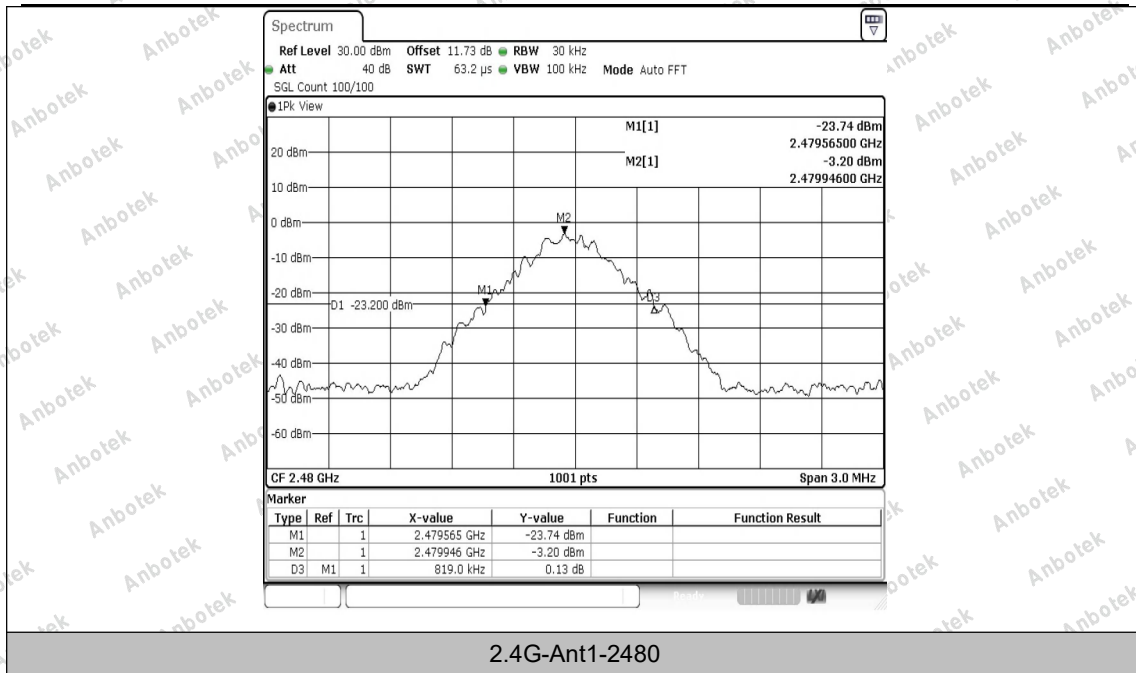


2.4G-Ant1-2402



2.4G-Ant1-2441





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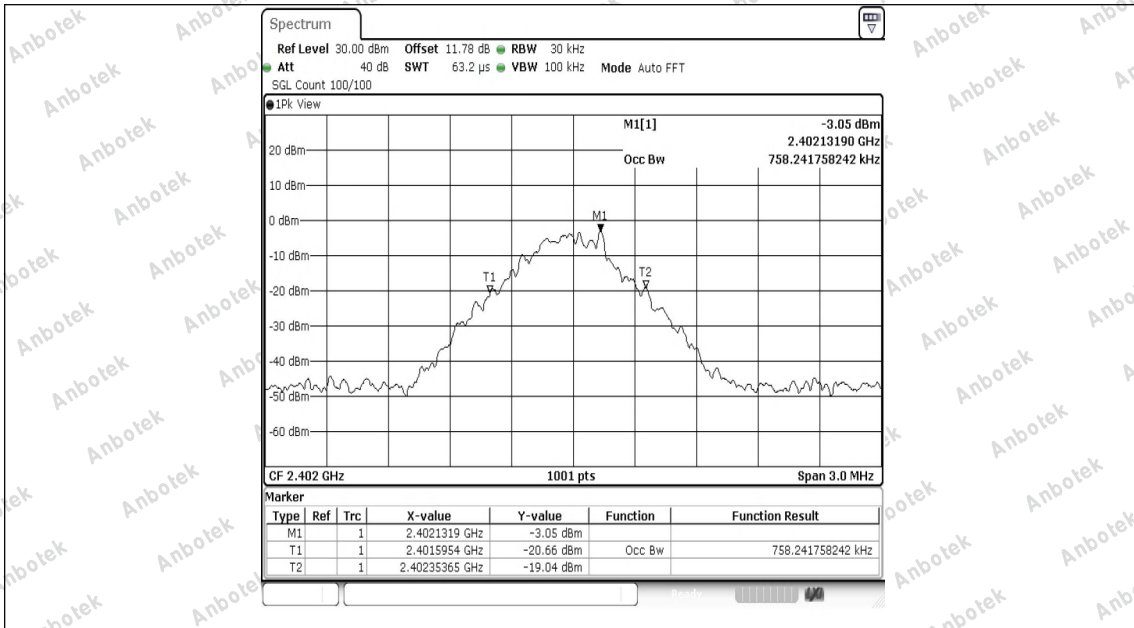
## Appendix B: Occupied Channel Bandwidth

### Test Result

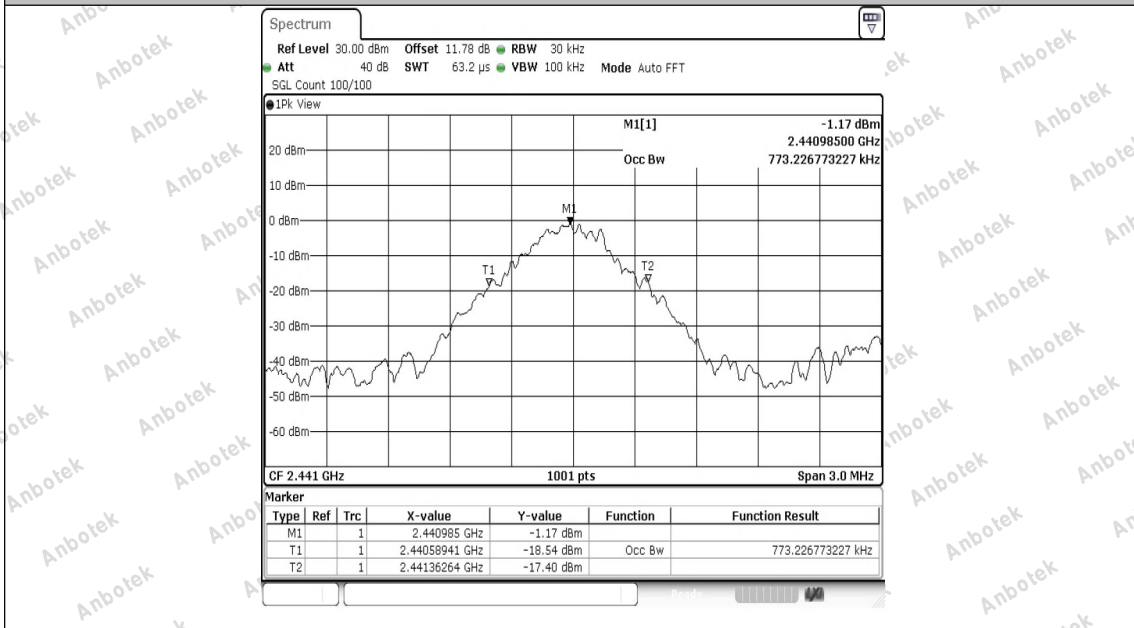
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	0.758	2401.5954	2402.3536	---	---
2.4G	Ant1	2441	0.773	2440.5894	2441.3626	---	---
2.4G	Ant1	2480	0.752	2479.5984	2480.3506	---	---



## Test Graphs

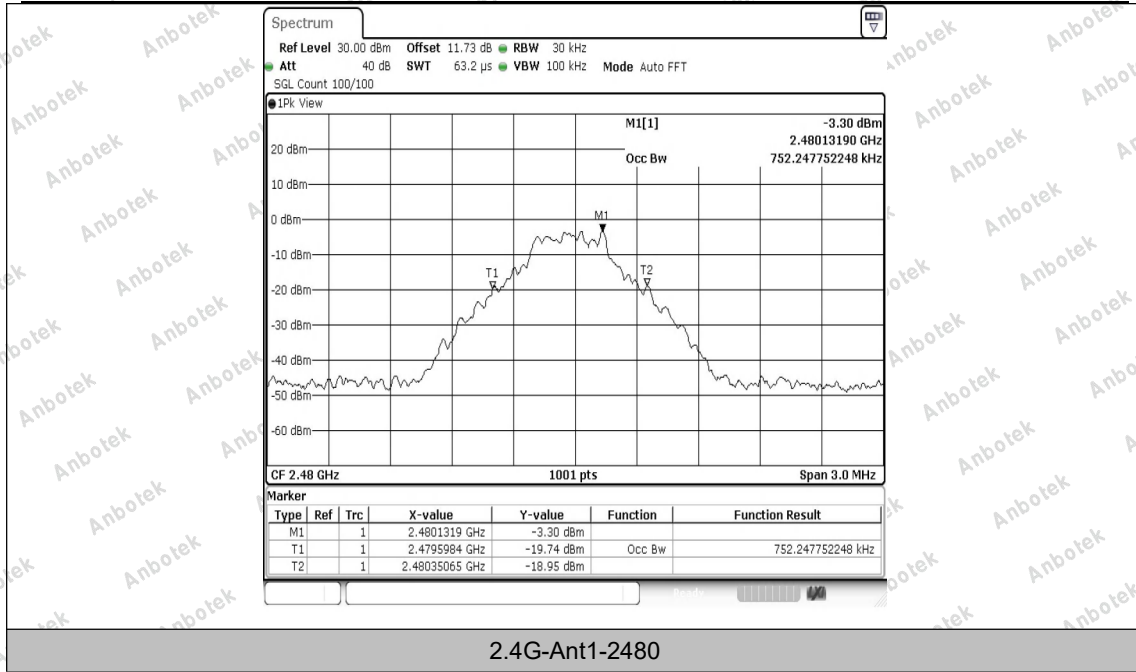


2.4G-Ant1-2402



2.4G-Ant1-2441





2.4G-Ant1-2480

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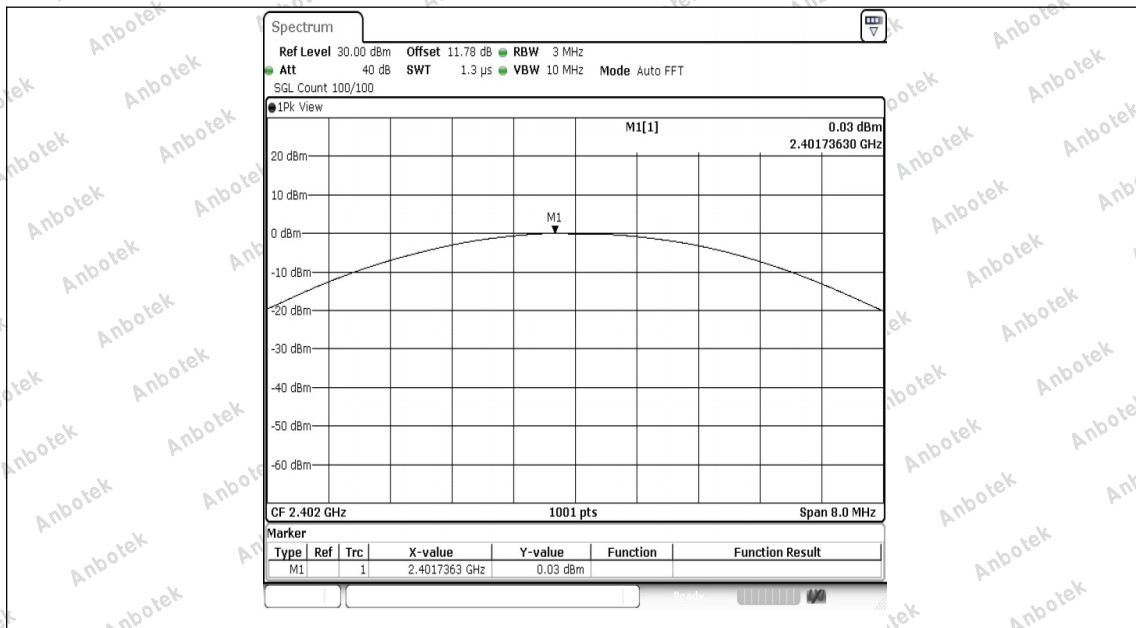


## Appendix C: Maximum conducted output power

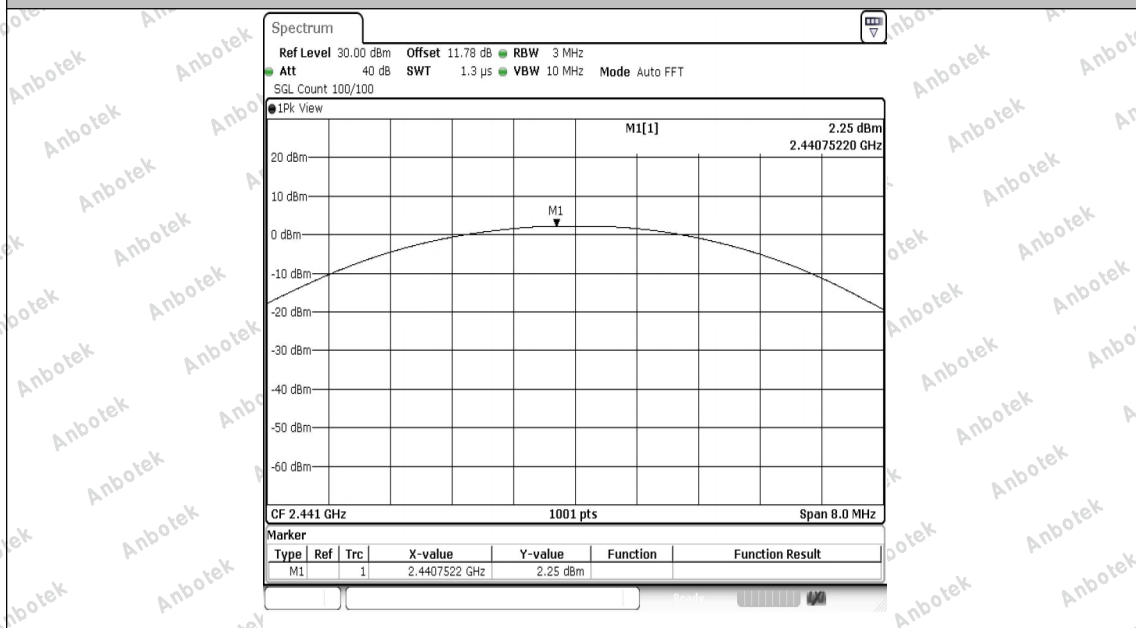
### Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402	0.03	≤30	PASS
2.4G	Ant1	2441	2.25	≤30	PASS
2.4G	Ant1	2480	-0.28	≤30	PASS

### Test Graphs

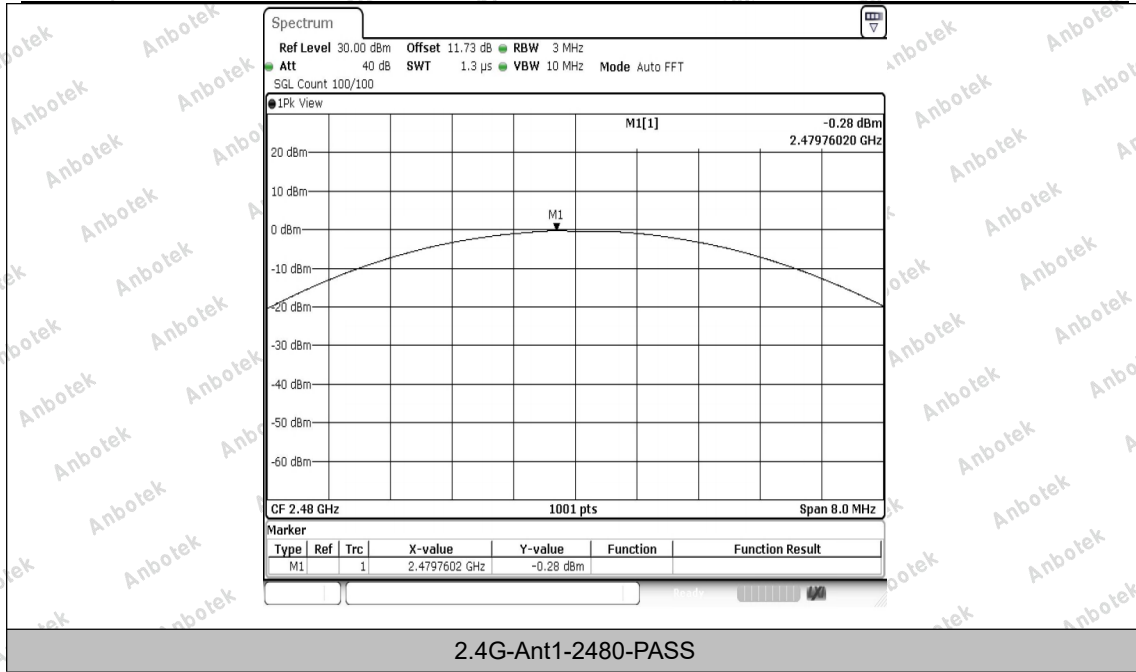


2.4G-Ant1-2402-PASS



2.4G-Ant1-2441-PASS





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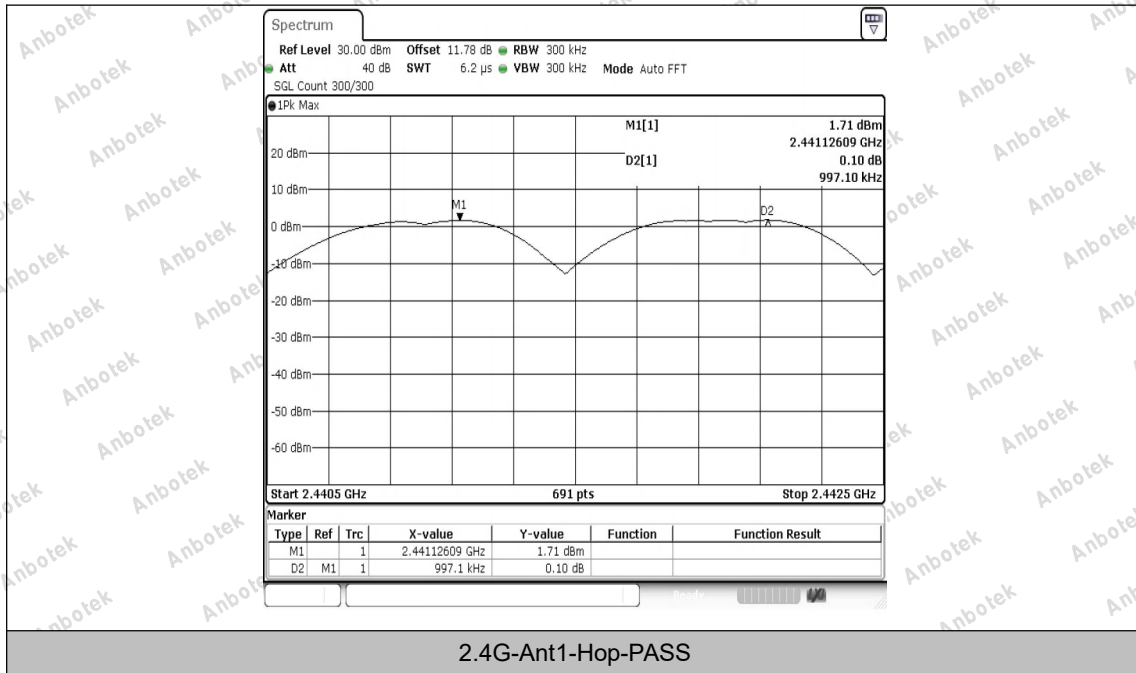


## Appendix D: Carrier frequency separation

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	0.997	≥0.860	PASS

### Test Graphs

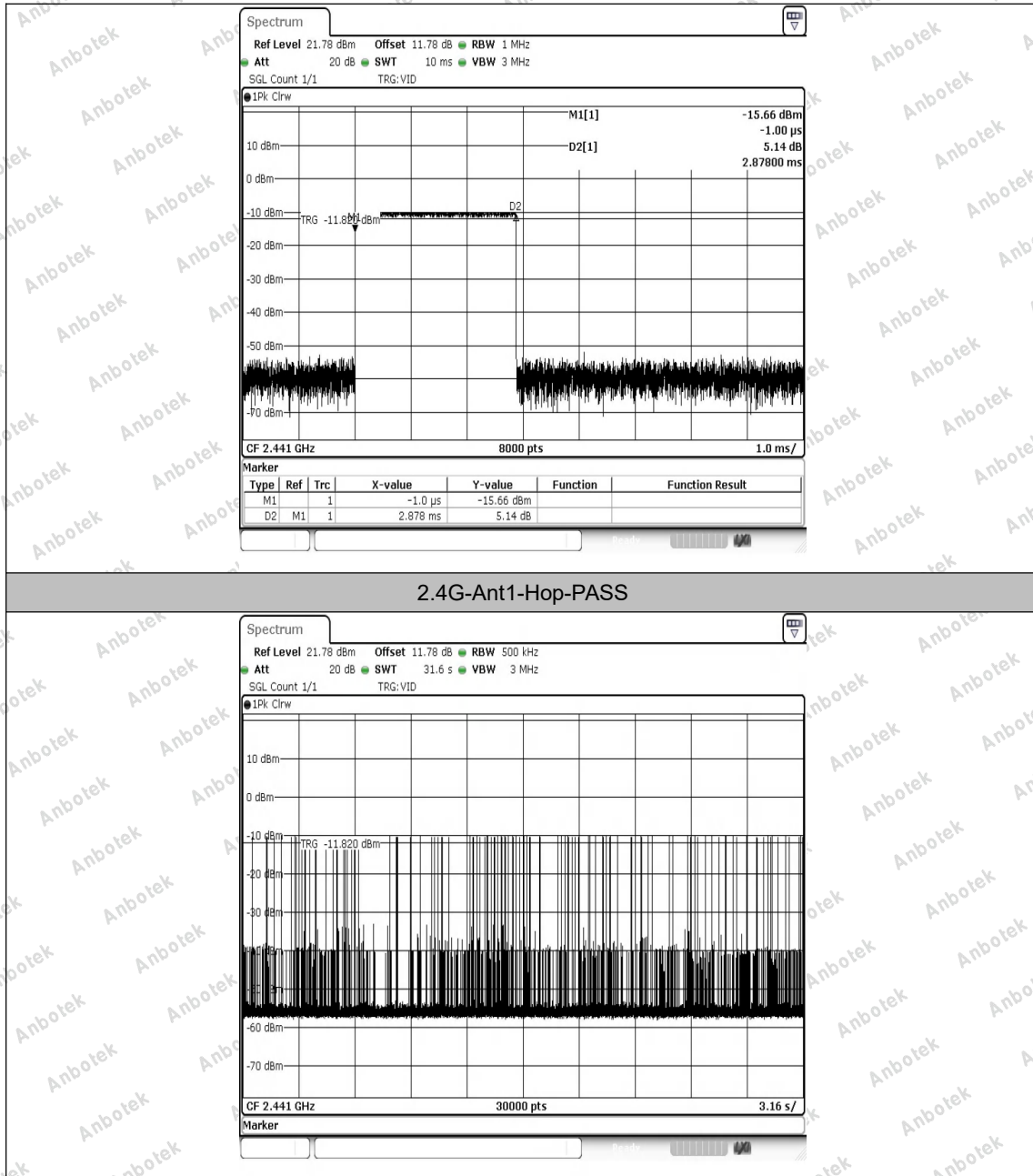


## Appendix E: Time of occupancy

### Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	2.878	109	0.314	≤0.4	PASS

### Test Graphs

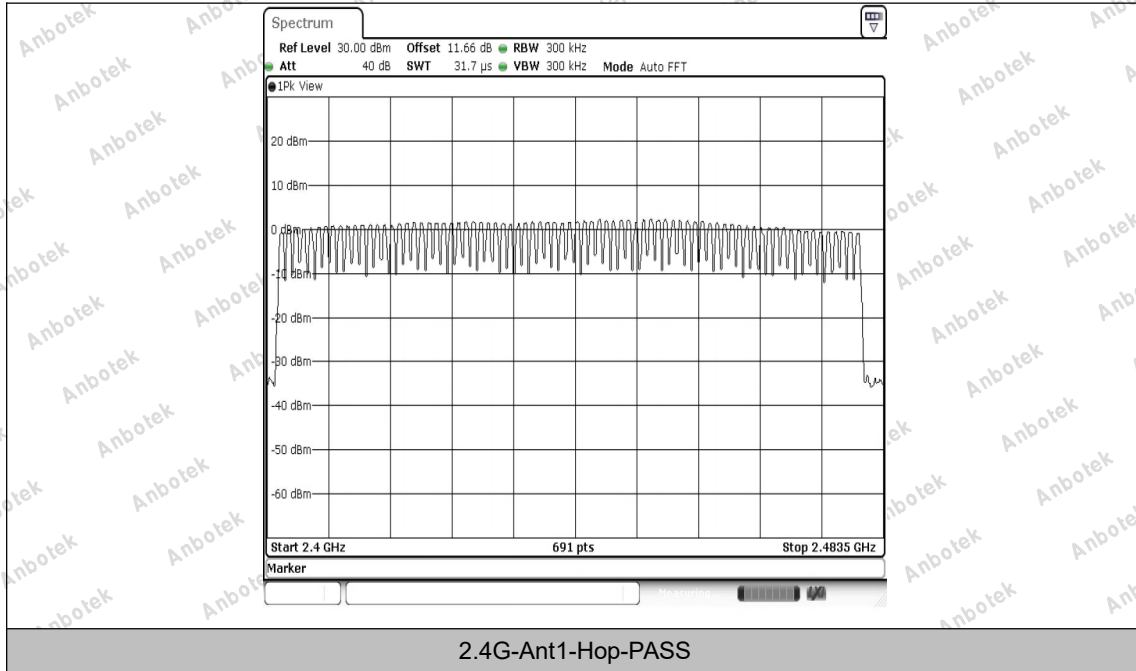


## Appendix F: Number of hopping channels

### Test Result

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

### Test Graphs



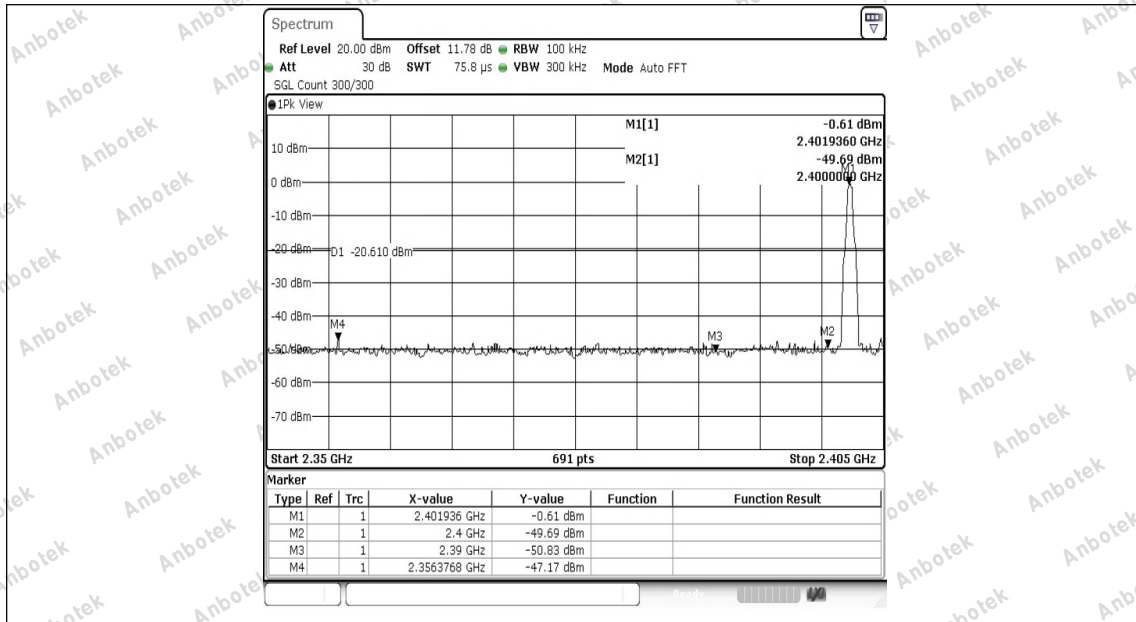
## Appendix G: Band edge measurements

### Test Result

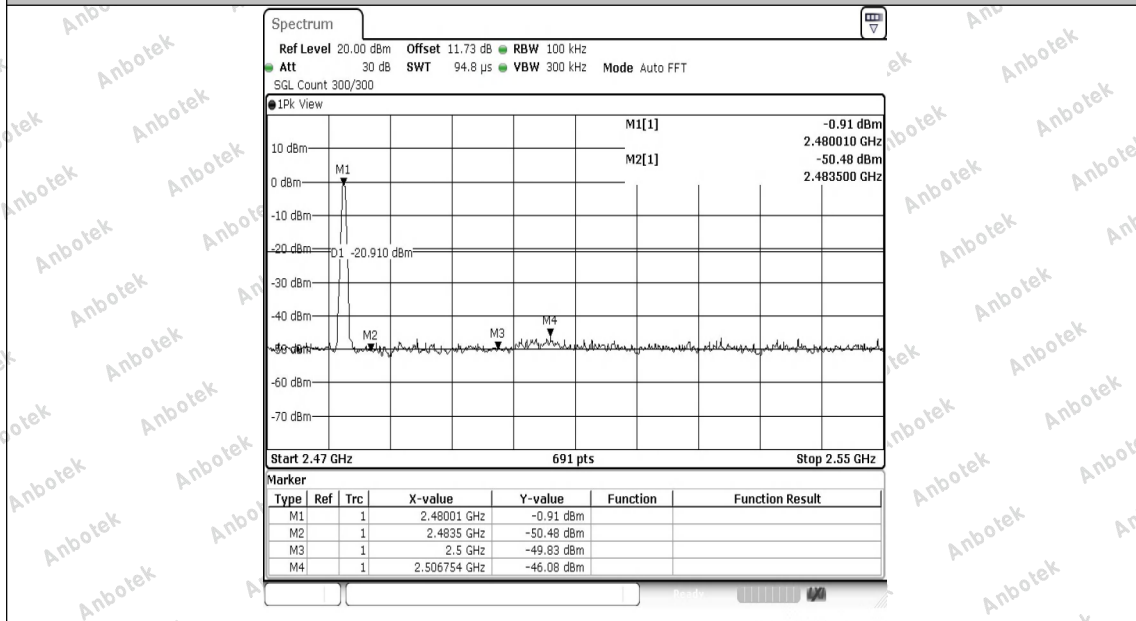
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402	-0.61	-47.17	≤-20.61	PASS
2.4G	Ant1	High	2480	-0.91	-46.08	≤-20.91	PASS
2.4G	Ant1	Low	Hop_2402	-0.52	-47.97	≤-20.52	PASS
2.4G	Ant1	High	Hop_2480	-0.72	-46.9	≤-20.72	PASS



## Test Graphs

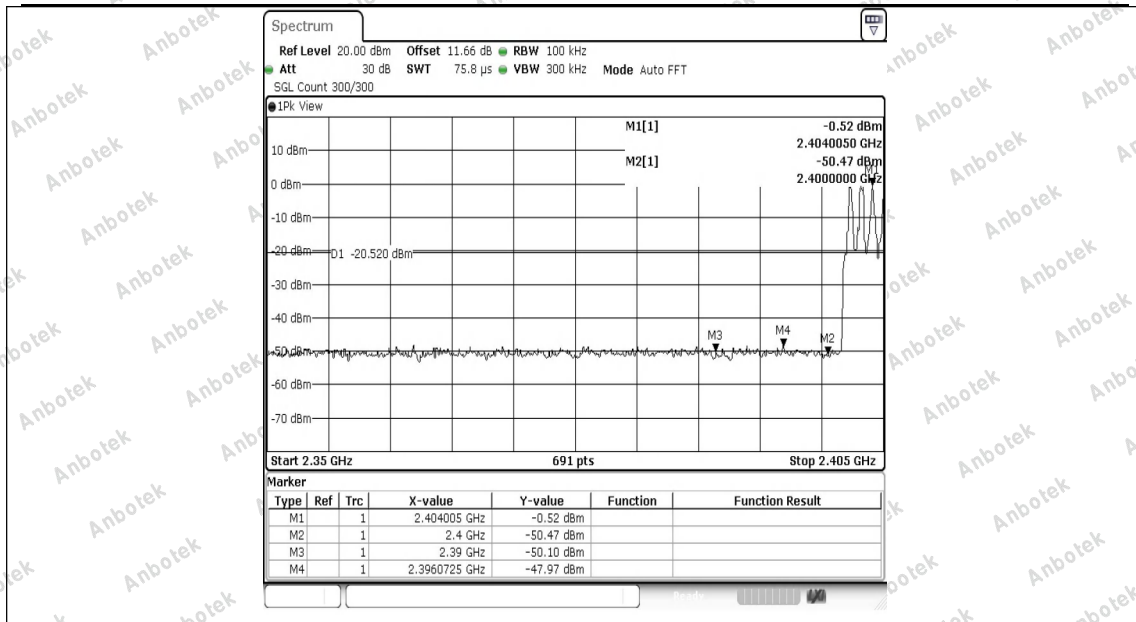


2.4G-Ant1-2402-PASS

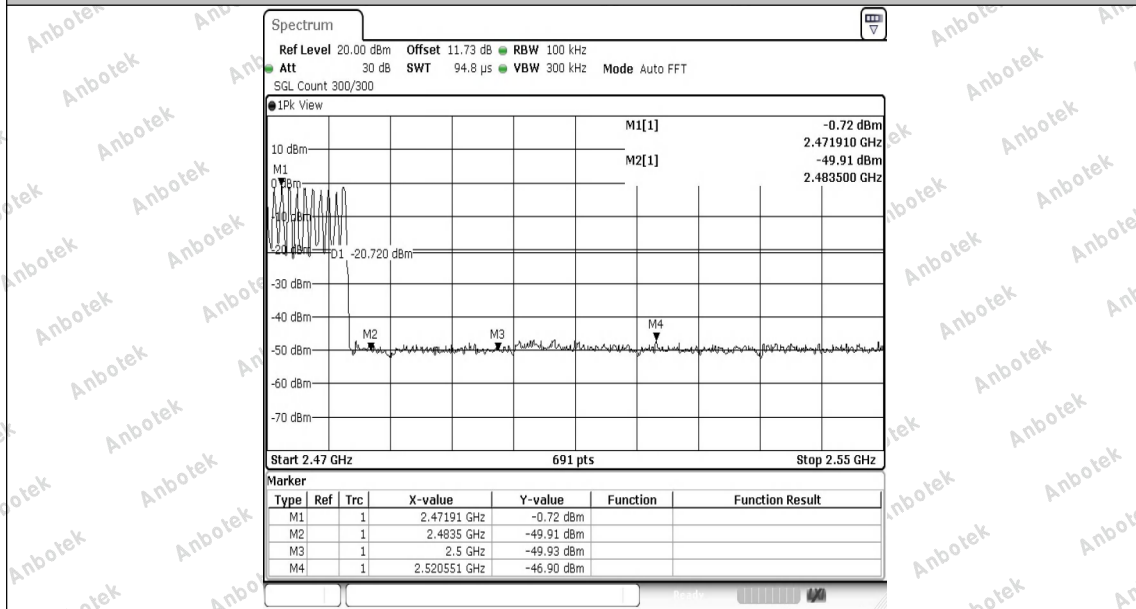


2.4G-Ant1-2480-PASS





### 2.4G-Ant1-Hop\_2402-PASS



### 2.4G-Ant1-Hop\_2480-PASS



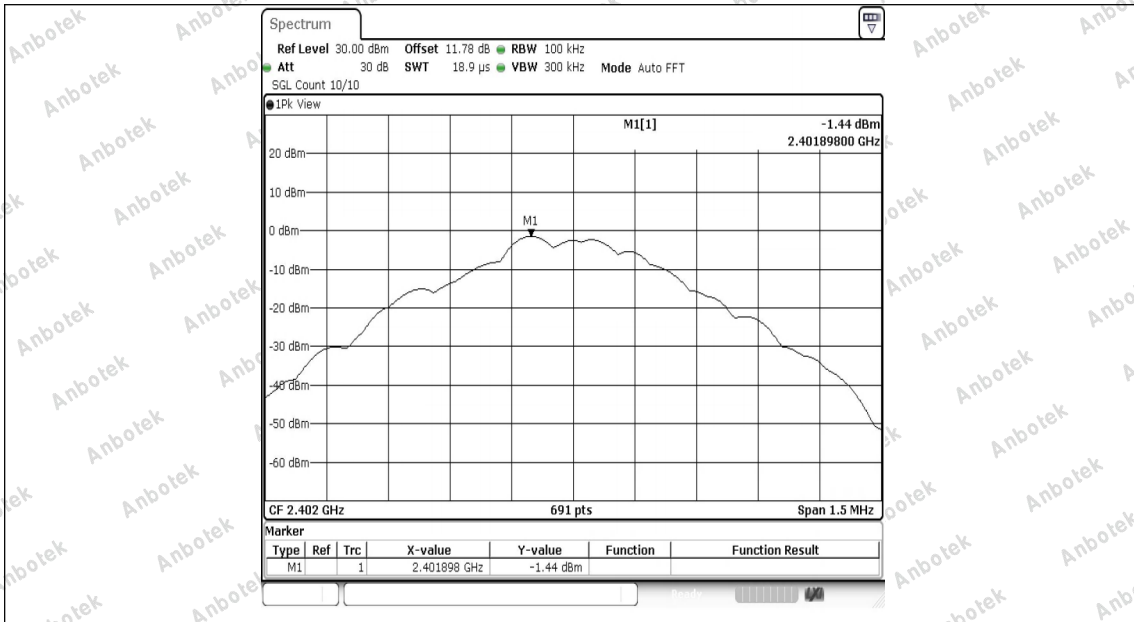
## Appendix H: Conducted Spurious Emission

### Test Result

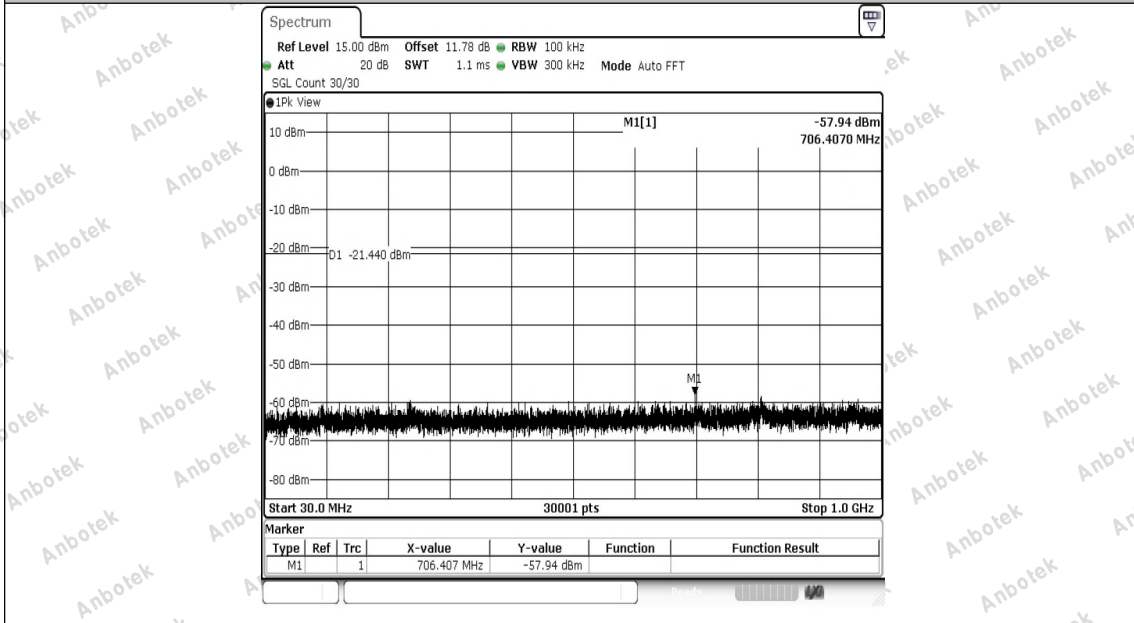
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402	0~Reference	-1.44	-1.44	---	PASS
2.4G	Ant1	2402	30~1000	-1.44	-57.94	≤-21.44	PASS
2.4G	Ant1	2402	1000~26500	-1.44	-55.33	≤-21.44	PASS
2.4G	Ant1	2441	0~Reference	1.03	1.03	---	PASS
2.4G	Ant1	2441	30~1000	1.03	-58.31	≤-18.97	PASS
2.4G	Ant1	2441	1000~26500	1.03	-49.39	≤-18.97	PASS
2.4G	Ant1	2480	0~Reference	-1.36	-1.36	---	PASS
2.4G	Ant1	2480	30~1000	-1.36	-57.67	≤-21.36	PASS
2.4G	Ant1	2480	1000~26500	-1.36	-55.38	≤-21.36	PASS



## Test Graphs



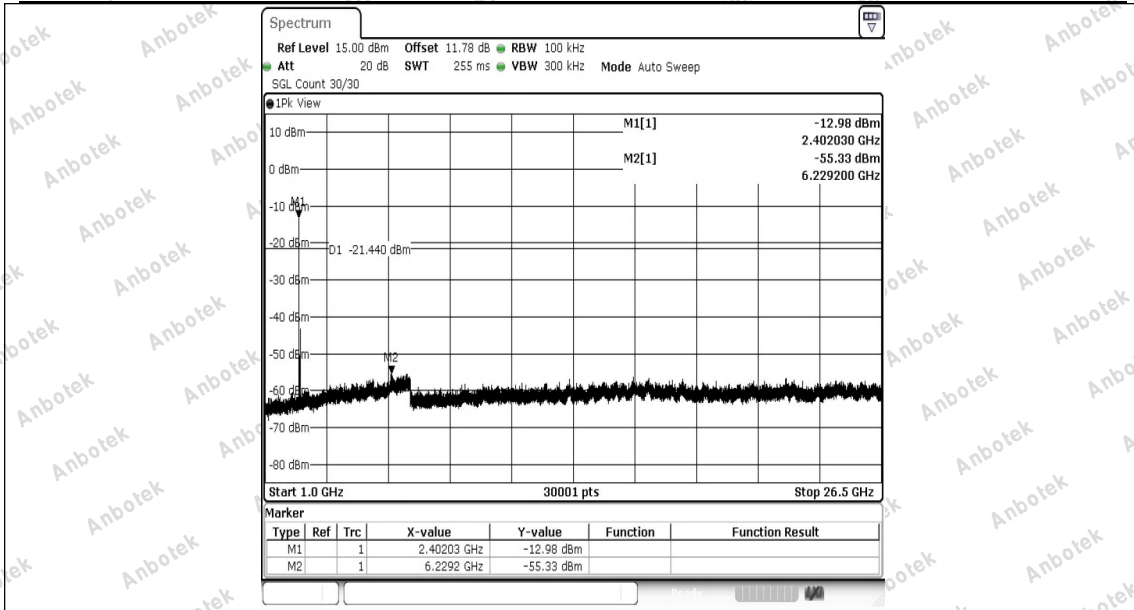
2.4G-Ant1-2402-0~Reference-PASS



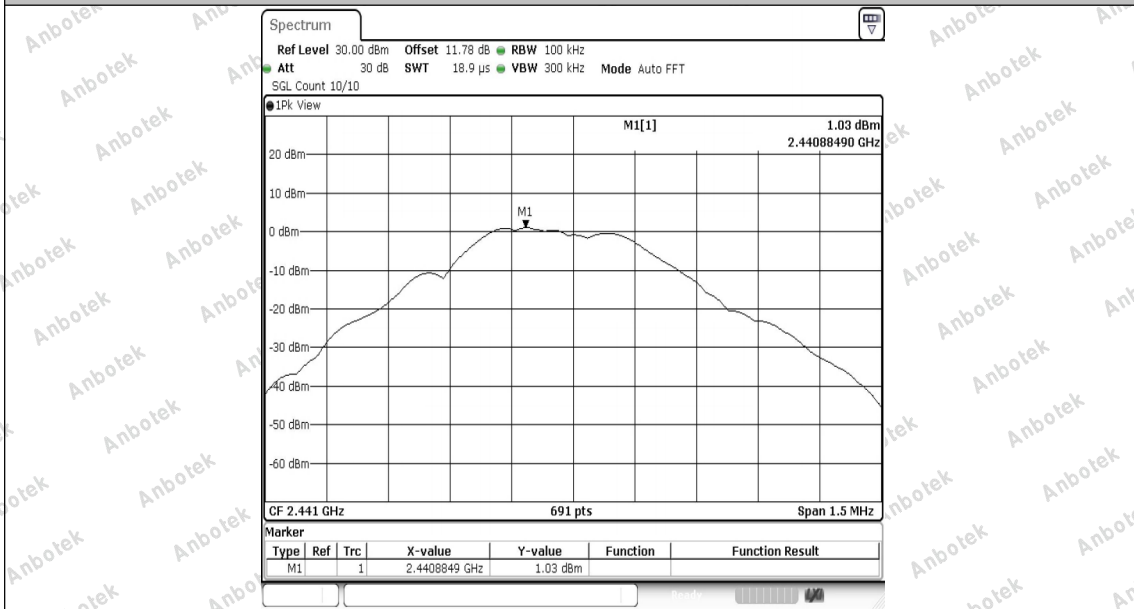
2.4G-Ant1-2402-30~1000-PASS





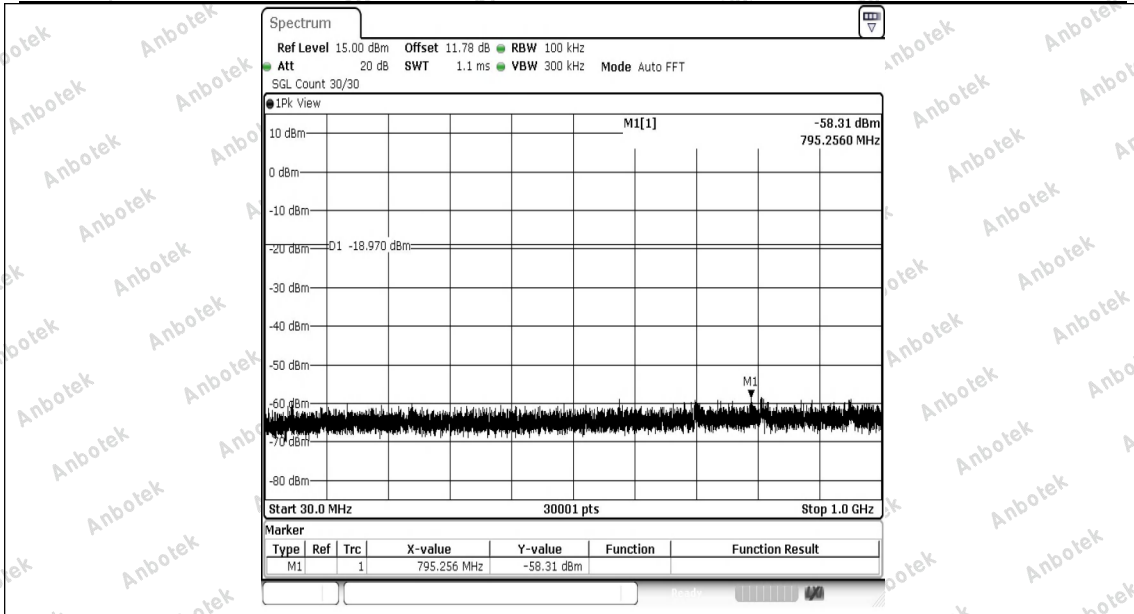


2.4G-Ant1-2402-1000~26500-PASS

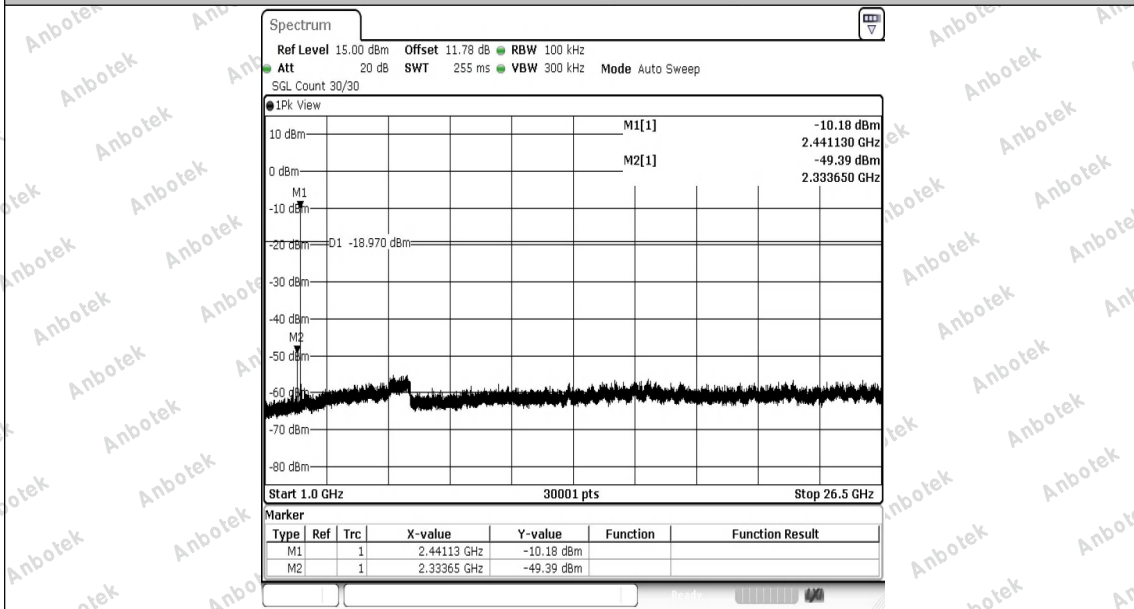


2.4G-Ant1-2441-0~Reference-PASS



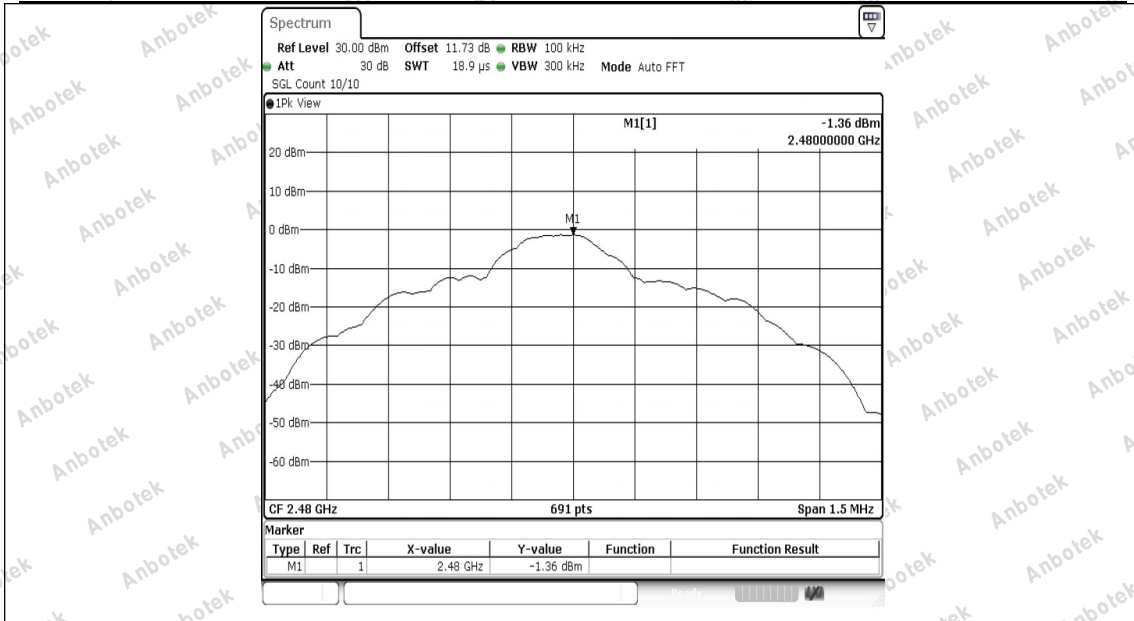


2.4G-Ant1-2441-30~1000-PASS

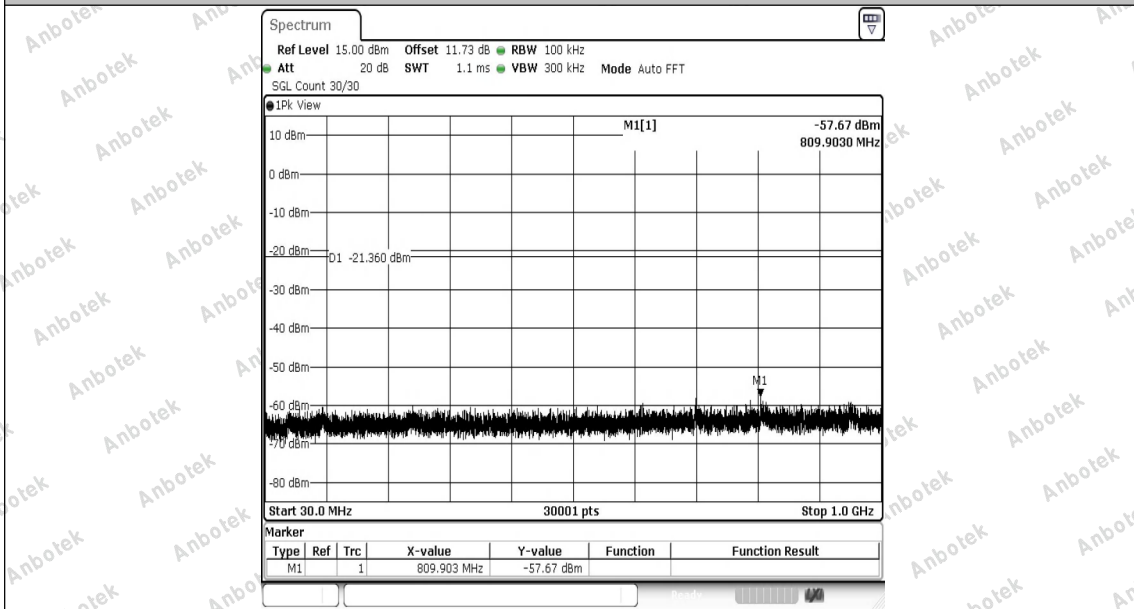


2.4G-Ant1-2441-1000~26500-PASS



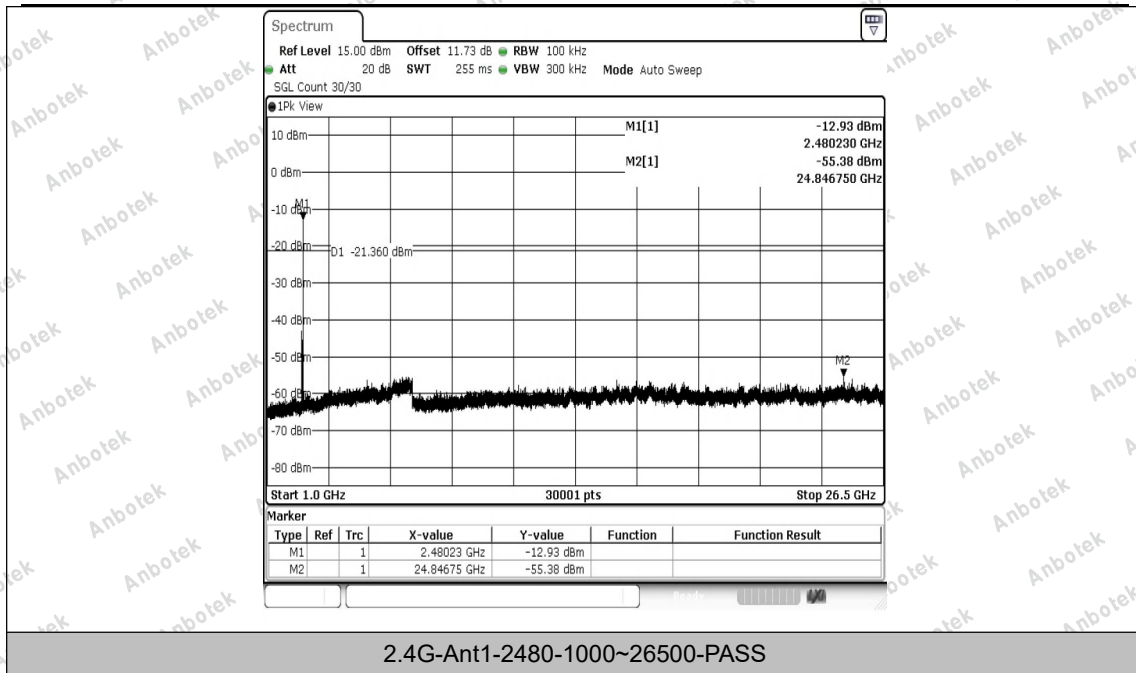


2.4G-Ant1-2480-0~Reference-PASS



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





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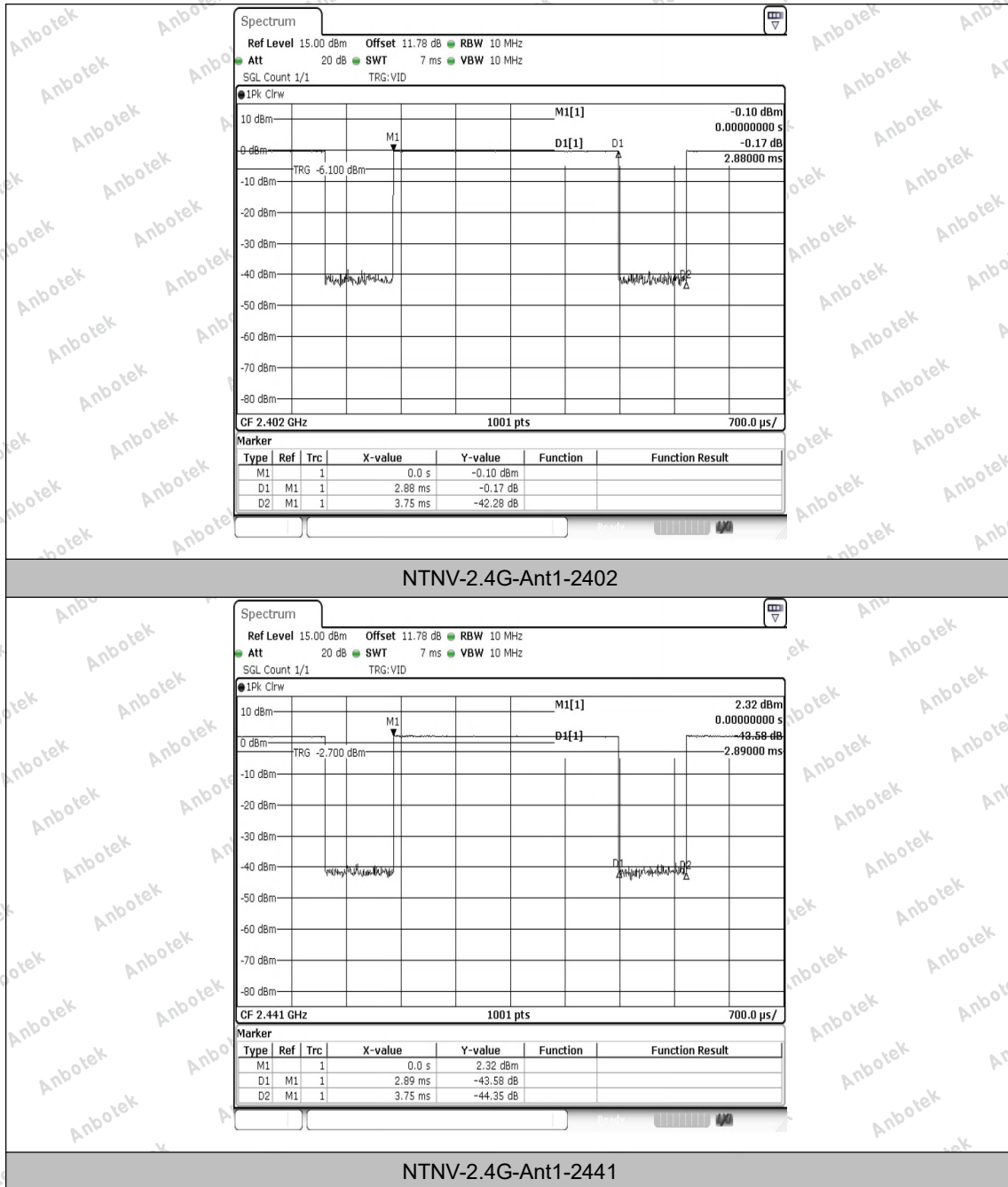
## Appendix I: Duty Cycle

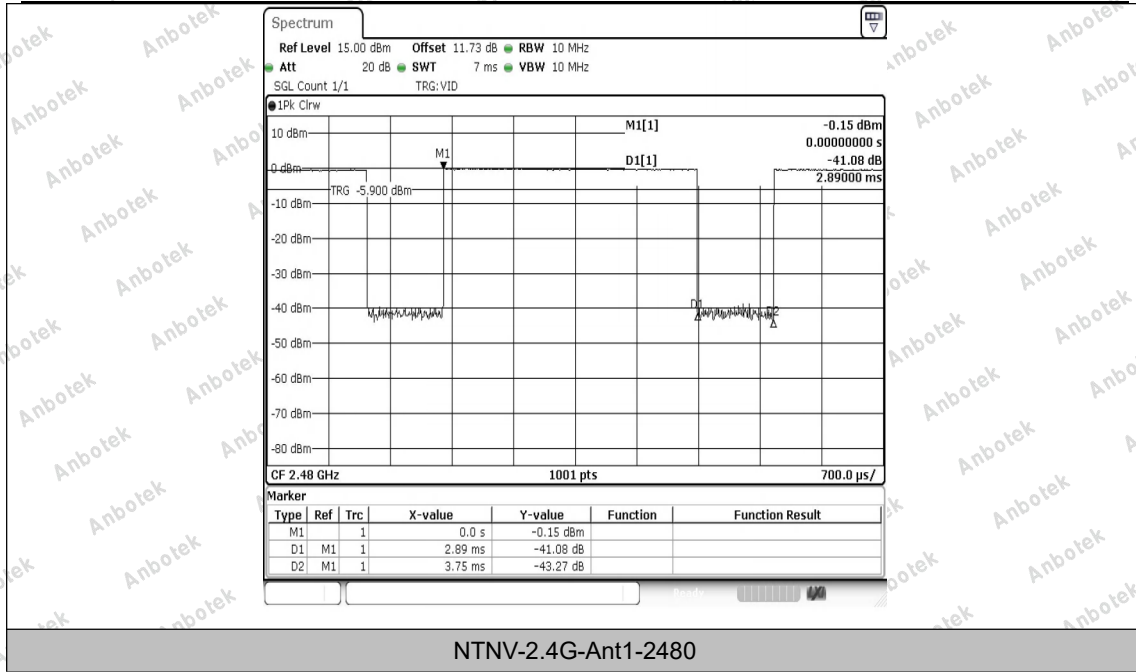
### Test Result

TestMode	Antenn a	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





---END---

