

## Appendix Test Data

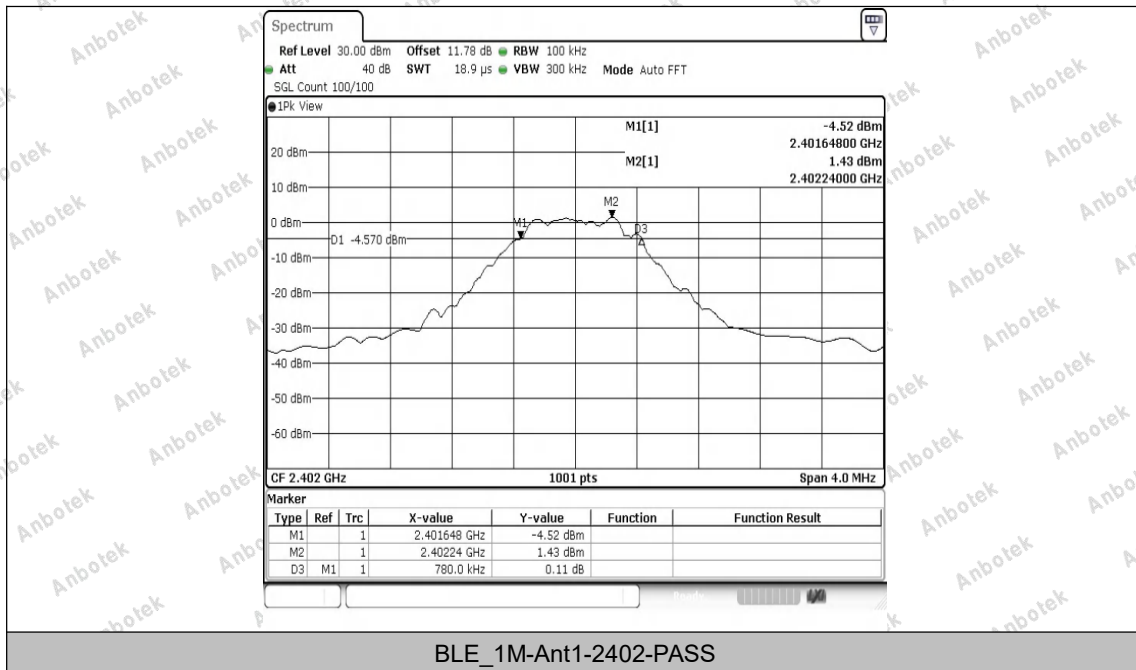
Report No:	1812C40100412501	Test Sample NO:	1-2-2
Start Test Date:	2024.10.14	Finish Test Date:	2024.10.14
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.3°C	Relative Humidity:	56%
Pressure:	101 kPa		

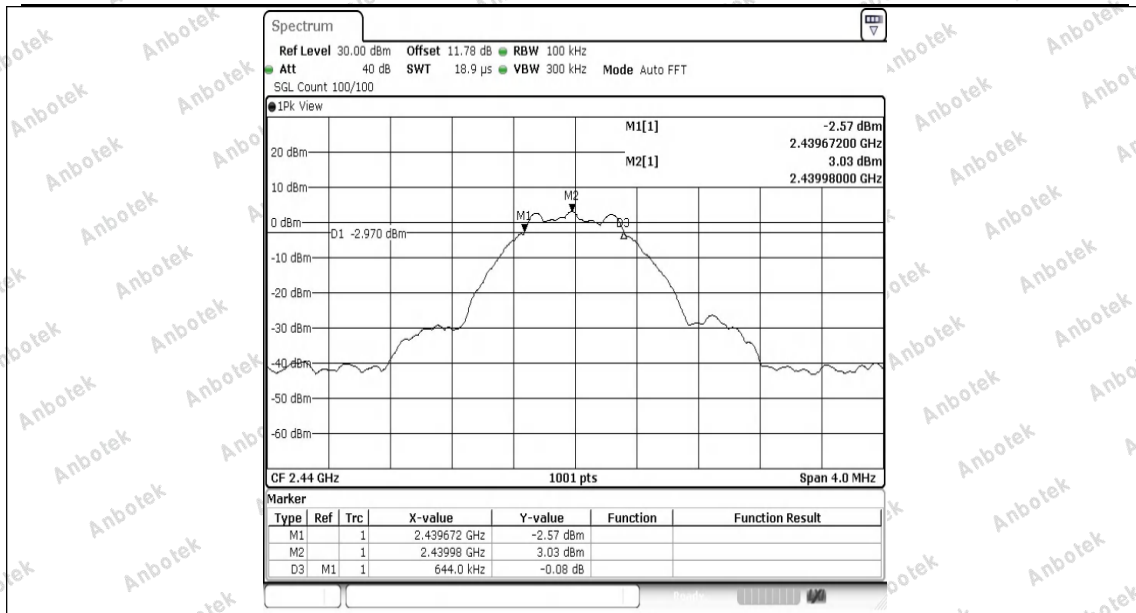
## Appendix A: DTS Bandwidth

### Test Result

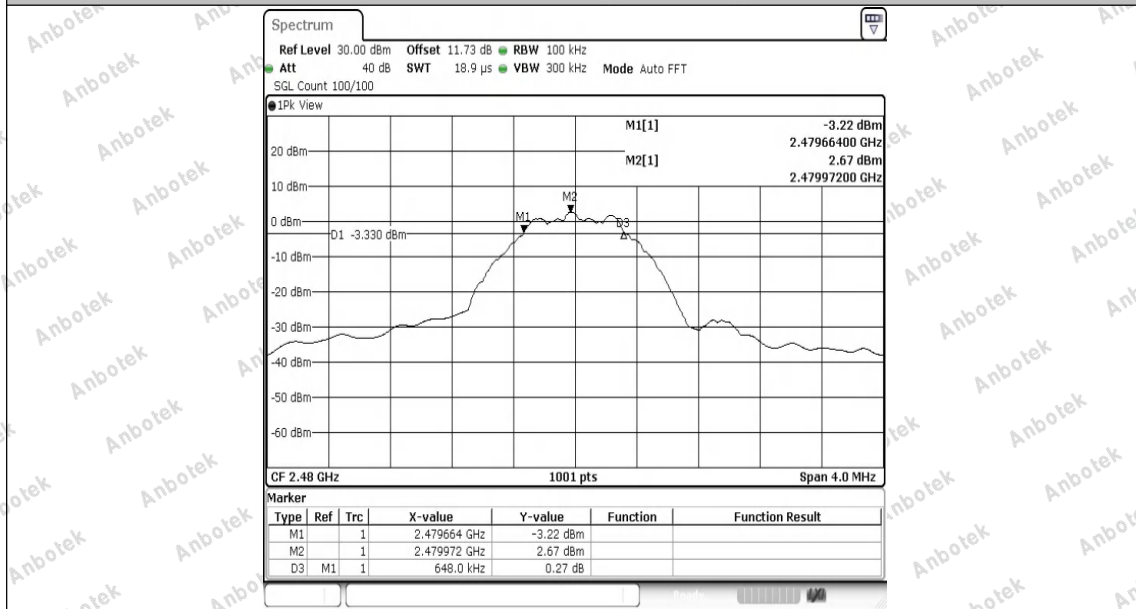
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.78	2401.65	2402.43	0.5	PASS
BLE_1M	Ant1	2440	0.64	2439.67	2440.32	0.5	PASS
BLE_1M	Ant1	2480	0.65	2479.66	2480.31	0.5	PASS

### Test Graphs





BLE\_1M-Ant1-2440-PASS



BLE\_1M-Ant1-2480-PASS

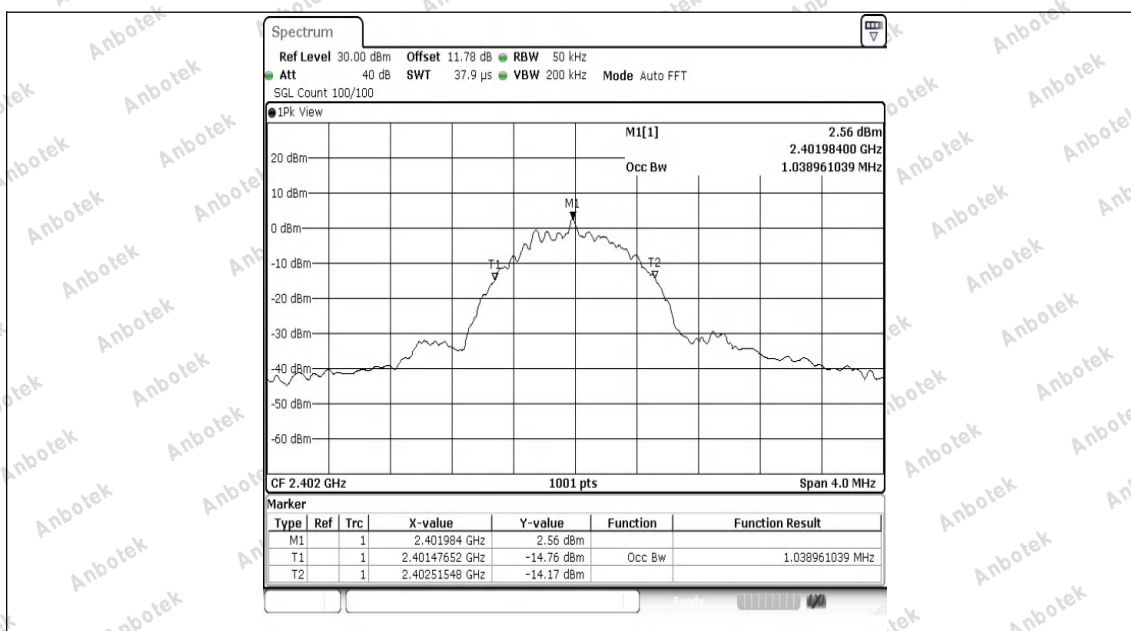


## Appendix B: Occupied Channel Bandwidth

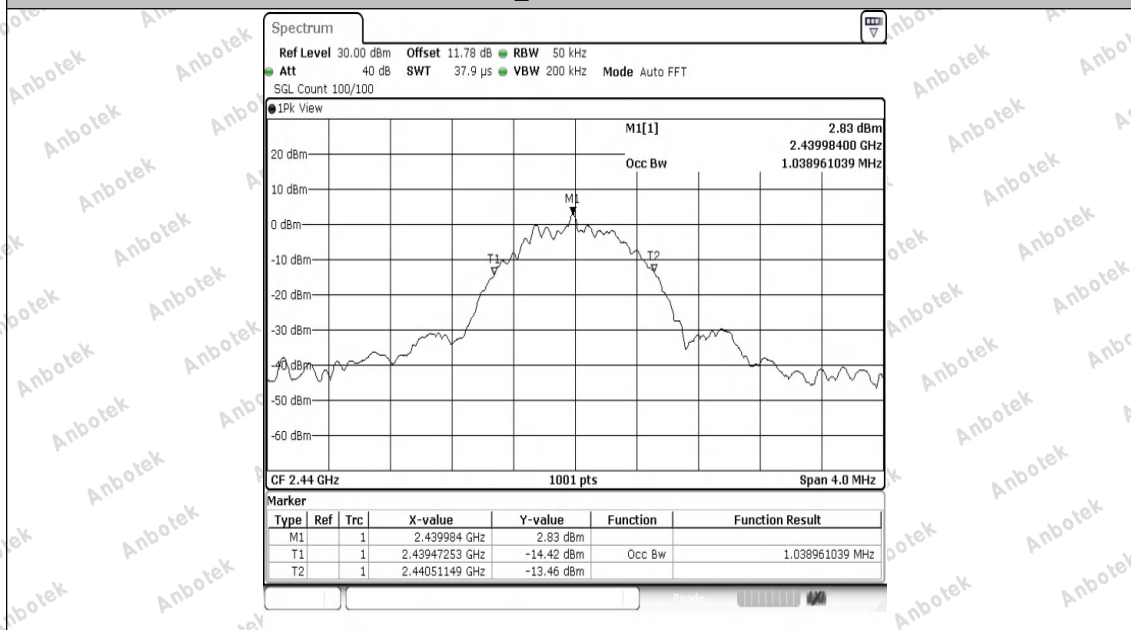
### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.039	2401.4765	2402.5155	---	---
BLE_1M	Ant1	2440	1.039	2439.4725	2440.5115	---	---
BLE_1M	Ant1	2480	1.027	2479.4805	2480.5075	---	---

### Test Graphs

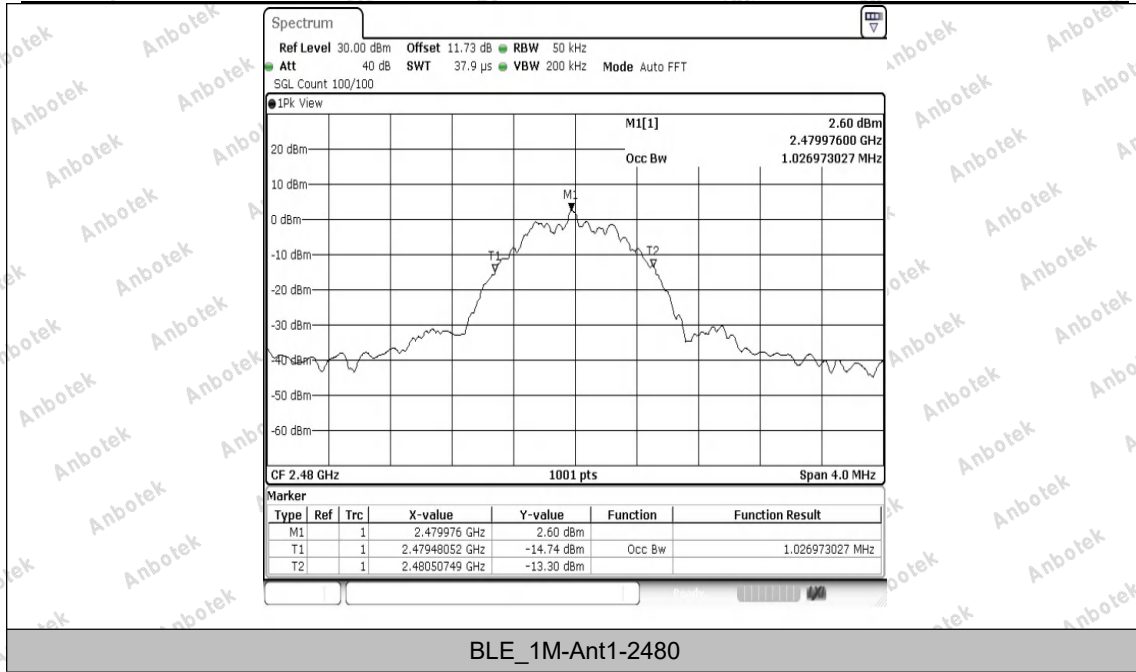


BLE\_1M-Ant1-2402



BLE\_1M-Ant1-2440





BLE\_1M-Ant1-2480

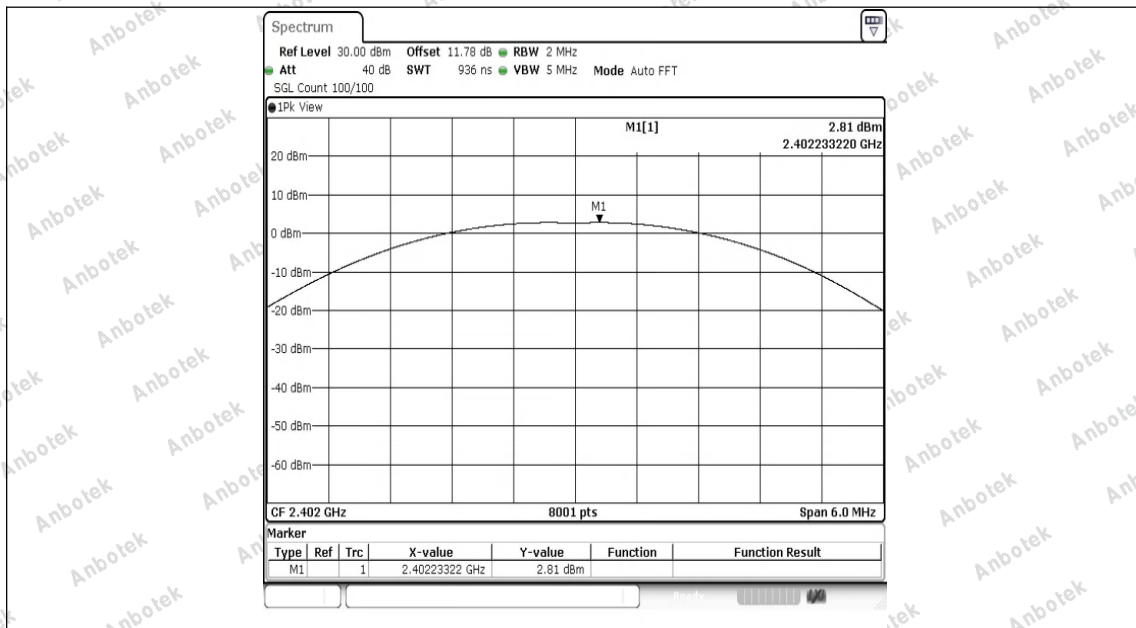


## Appendix C: Maximum conducted output power

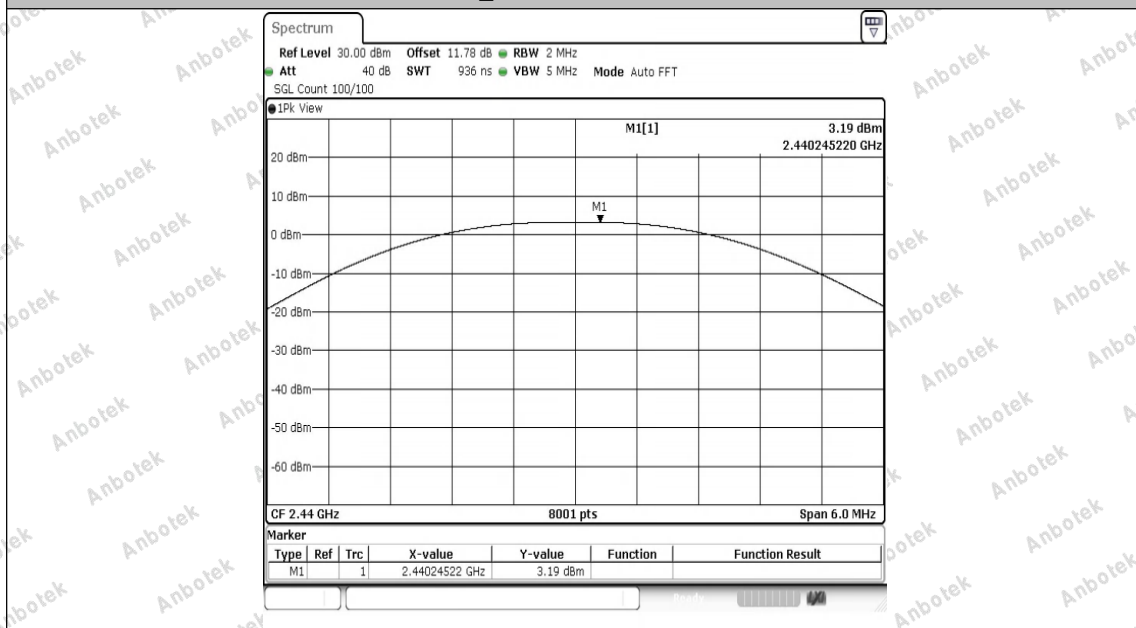
### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.81	≤30	PASS
BLE_1M	Ant1	2440	3.19	≤30	PASS
BLE_1M	Ant1	2480	2.88	≤30	PASS

### Test Graphs Peak

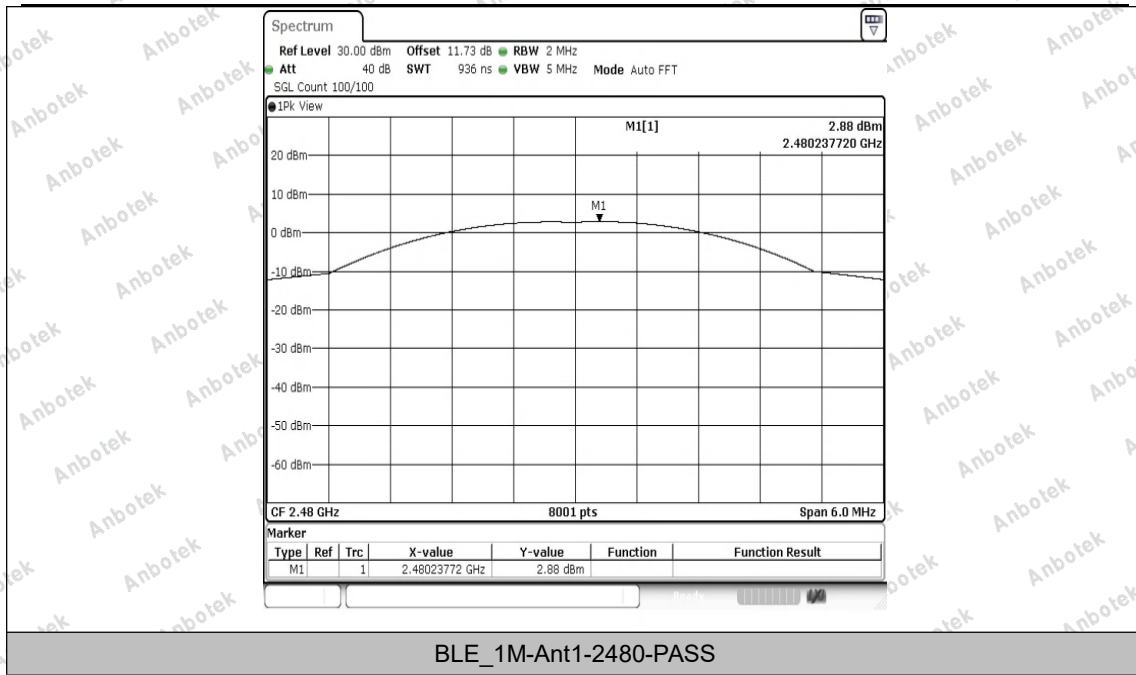


BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2440-PASS



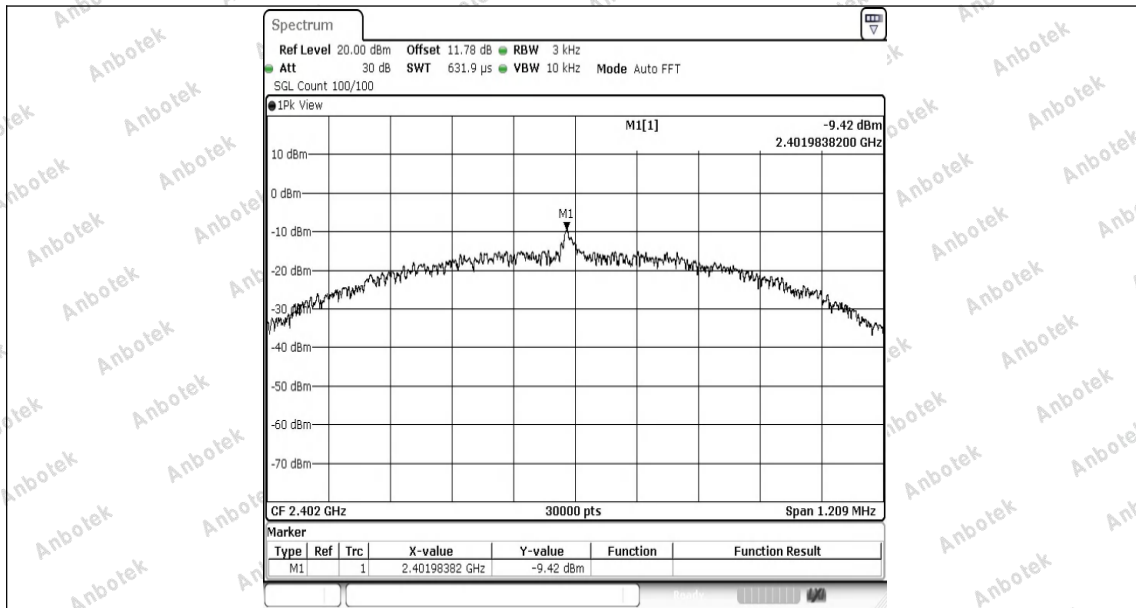


## Appendix D: Maximum power spectral density

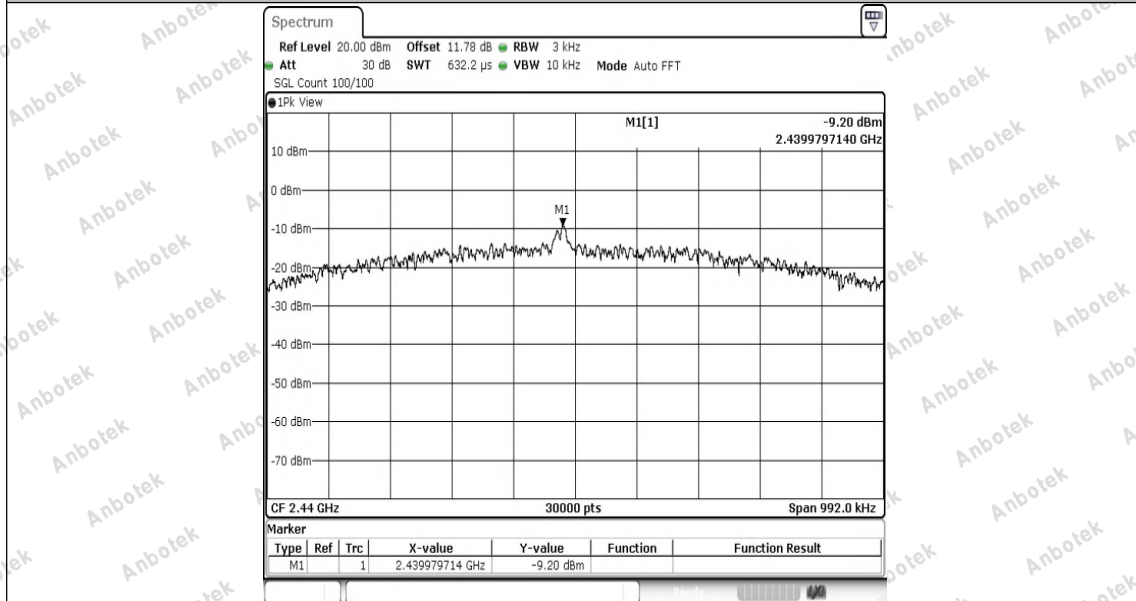
### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.42	≤8.00	PASS
BLE_1M	Ant1	2440	-9.20	≤8.00	PASS
BLE_1M	Ant1	2480	-10.35	≤8.00	PASS

### Test Graphs

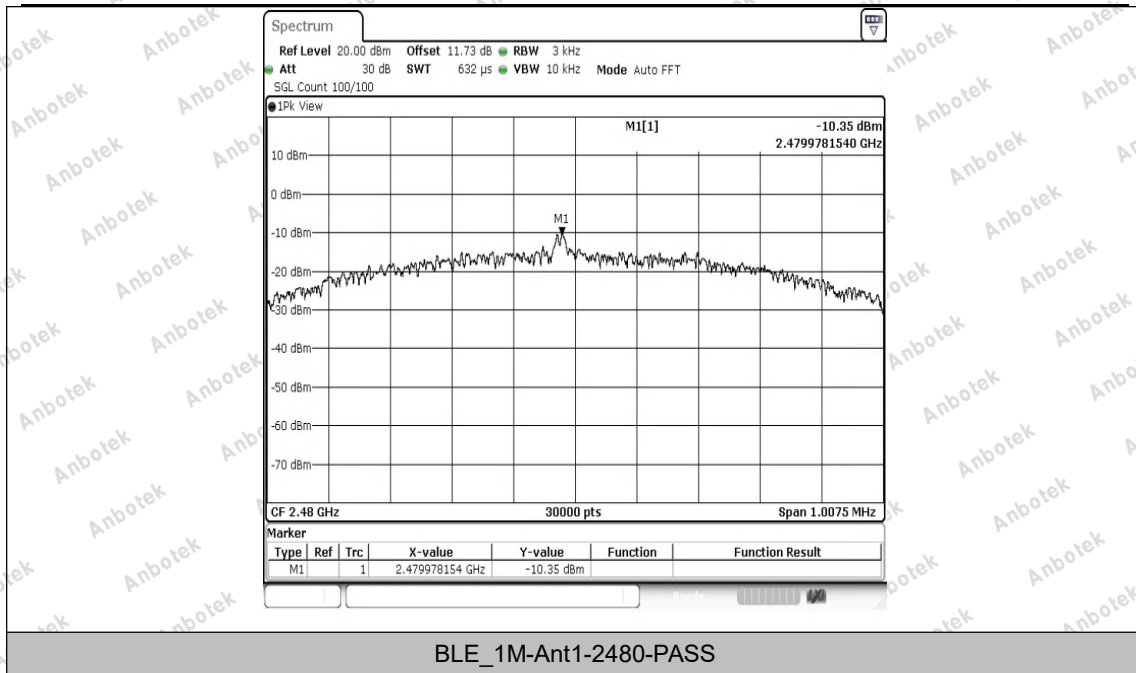


BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2440-PASS





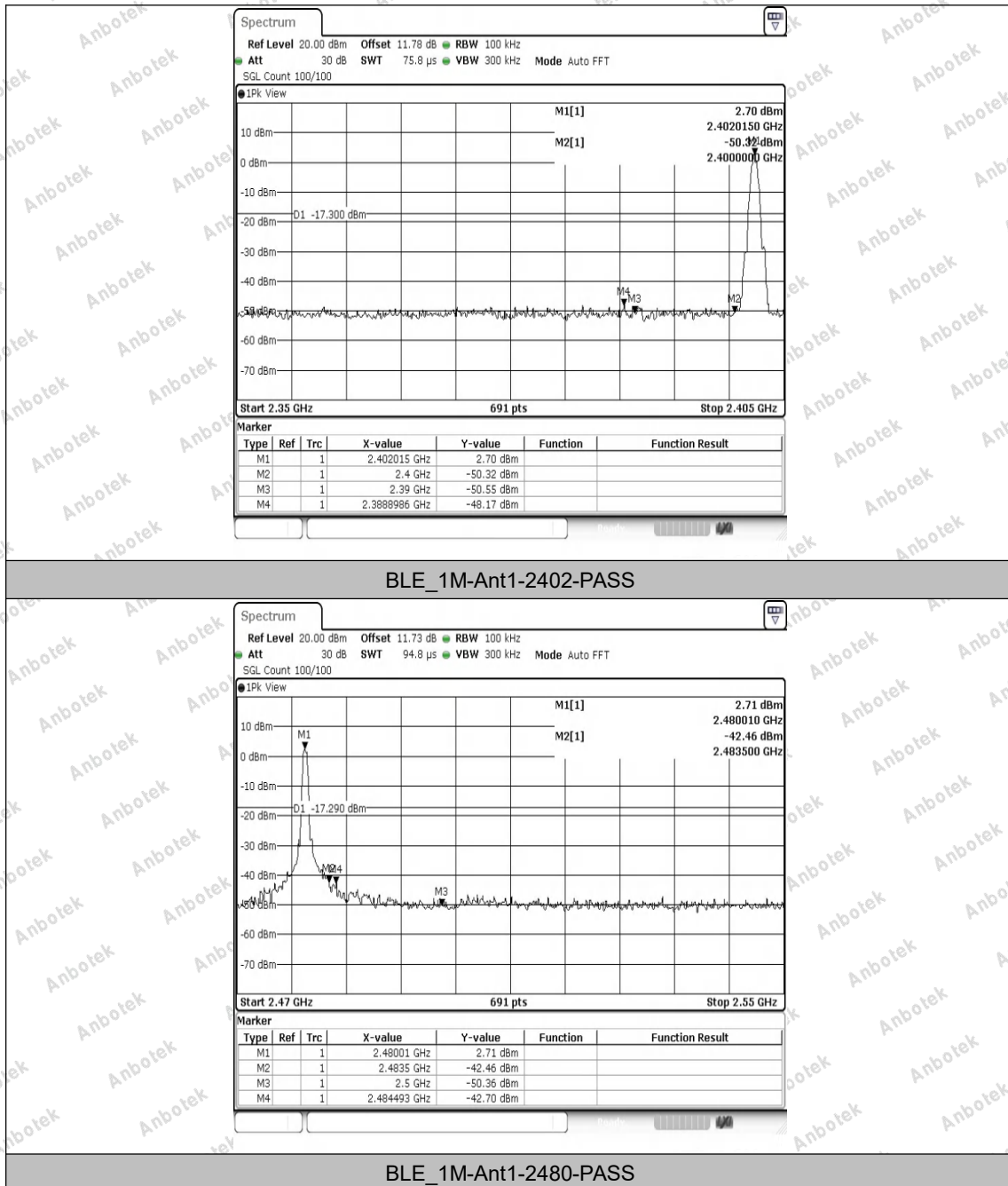


## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	Channel	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.70	-48.17	≤-17.3	PASS
BLE_1M	Ant1	High	2480	2.71	-42.7	≤-17.29	PASS

### Test Graphs

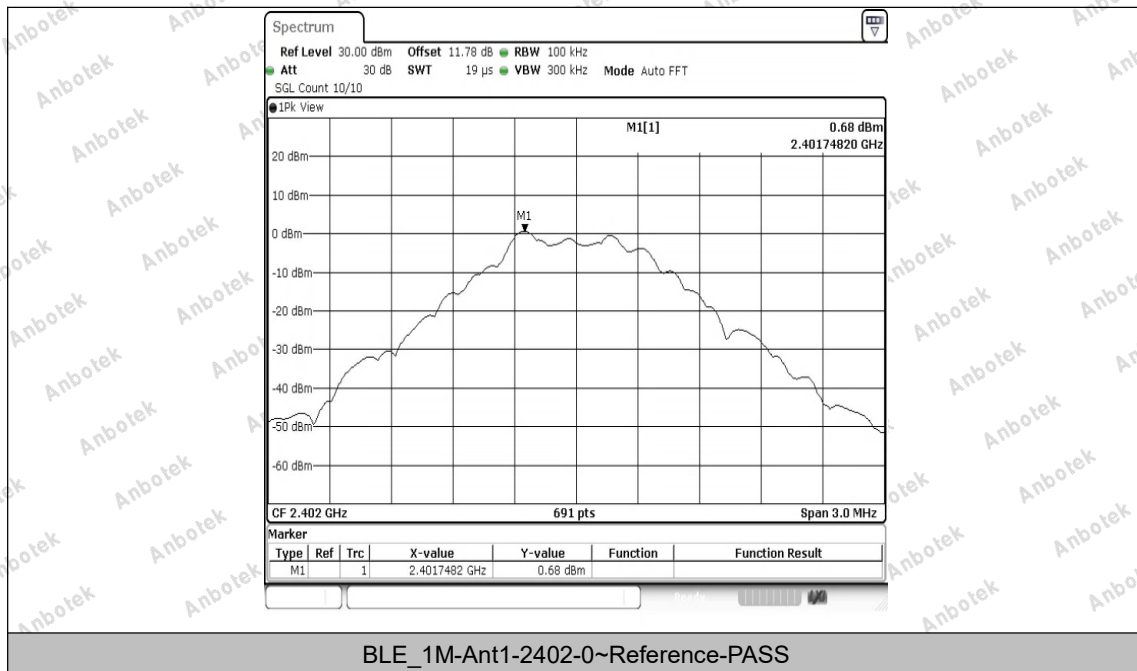


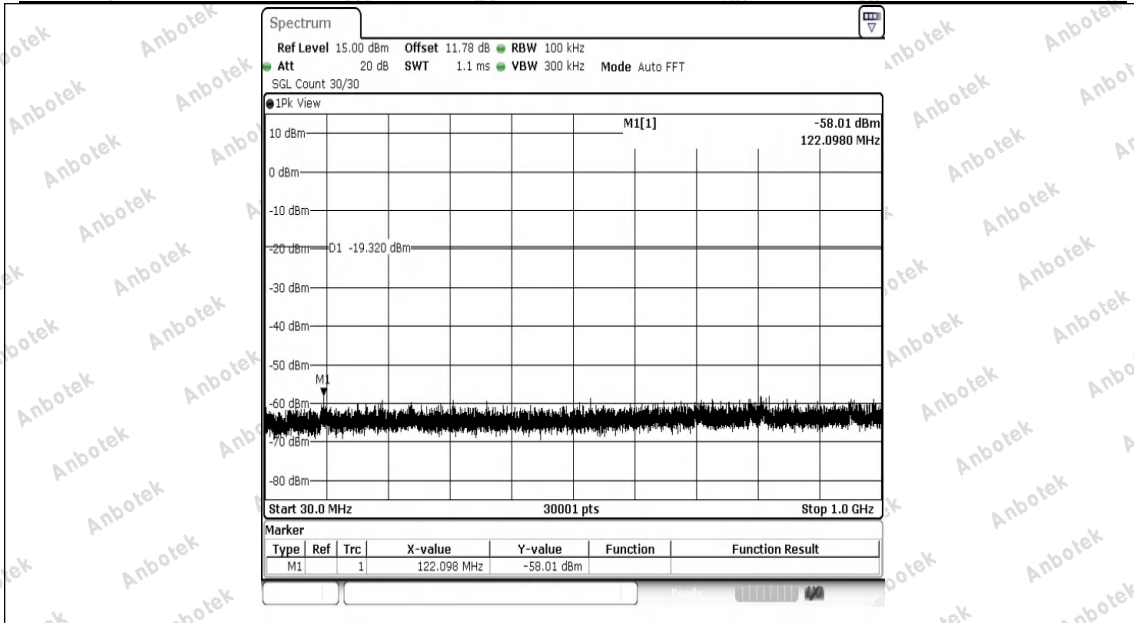
## Appendix F: Conducted Spurious Emission

### Test Result

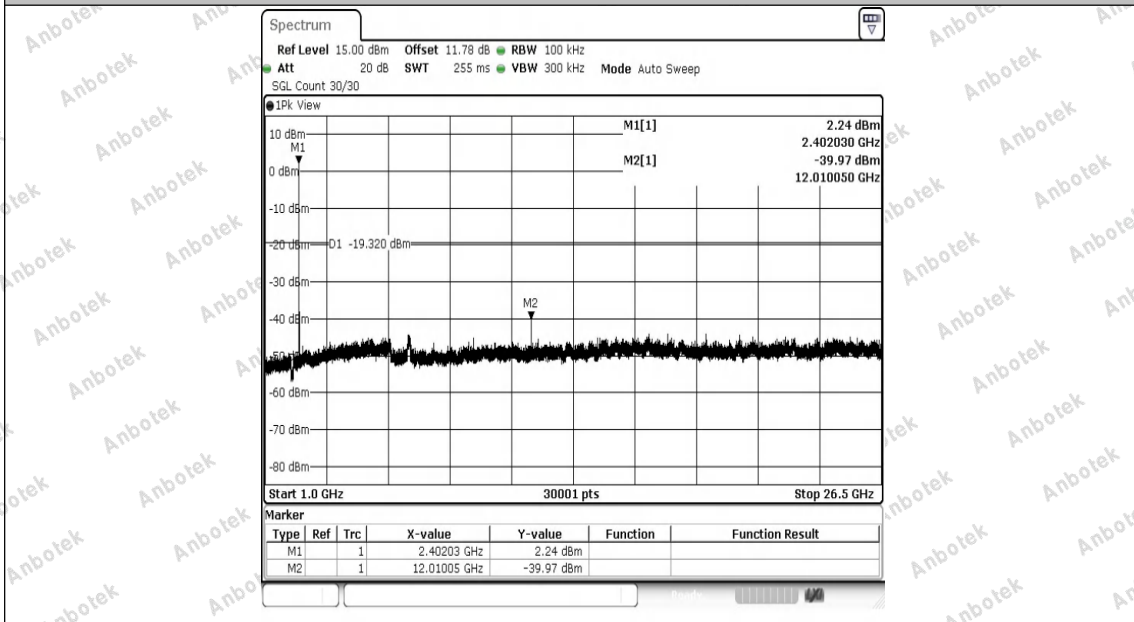
TestMod e	Antenn a	Frequency[MHz ]	FreqRange [MHz]	RefLeve l [dBm]	Result[dBm ]	Limit[dBm ]	Verdic t
BLE_1M	Ant1	2402	0~Referenc e	0.68	0.68	---	PASS
BLE_1M	Ant1	2402	30~1000	0.68	-58.01	≤-19.32	PASS
BLE_1M	Ant1	2402	1000~26500	0.68	-39.97	≤-19.32	PASS
BLE_1M	Ant1	2440	0~Referenc e	0.58	0.58	---	PASS
BLE_1M	Ant1	2440	30~1000	0.58	-57.98	≤-19.42	PASS
BLE_1M	Ant1	2440	1000~26500	0.58	-42.95	≤-19.42	PASS
BLE_1M	Ant1	2480	0~Referenc e	2.15	2.15	---	PASS
BLE_1M	Ant1	2480	30~1000	2.15	-58.53	≤-17.85	PASS
BLE_1M	Ant1	2480	1000~26500	2.15	-42.4	≤-17.85	PASS

### Test Graphs



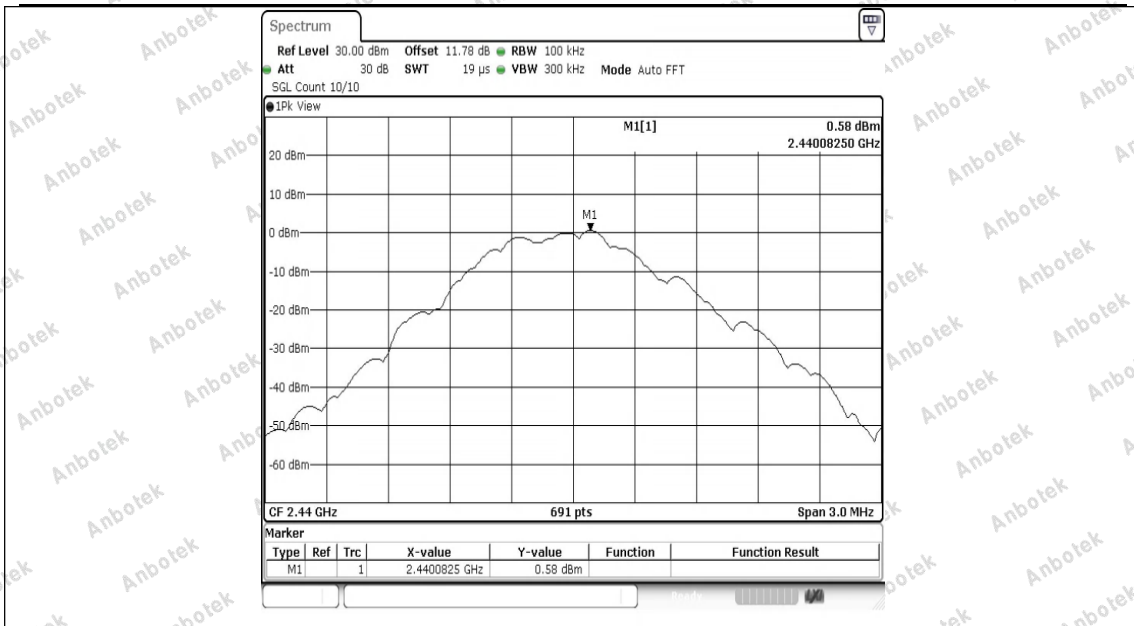


BLE\_1M-Ant1-2402-30~1000-PASS

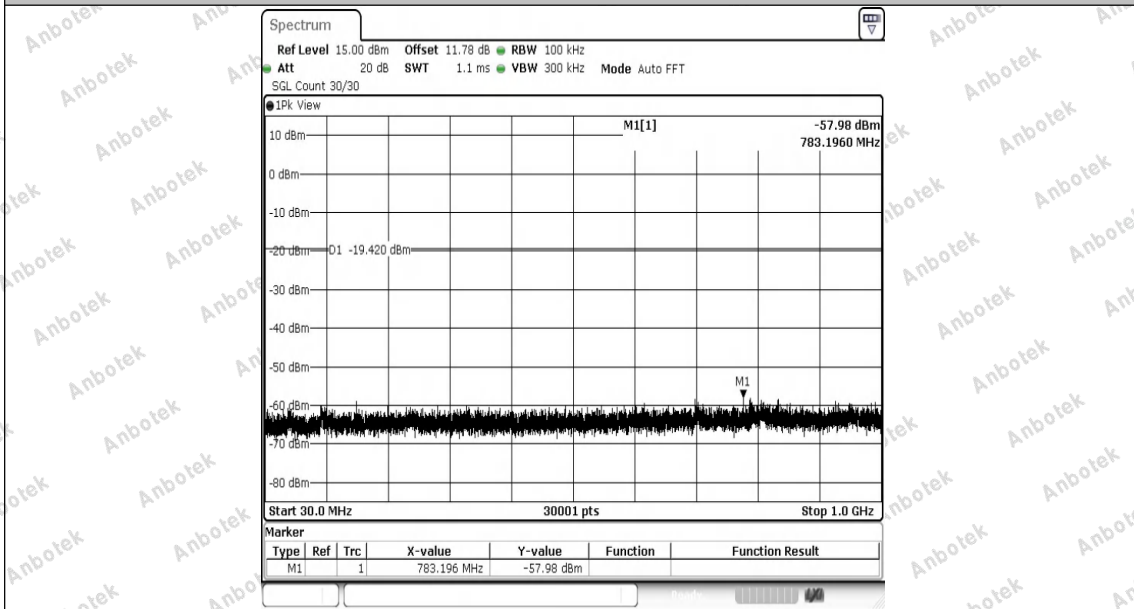


BLE\_1M-Ant1-2402-1000~26500-PASS



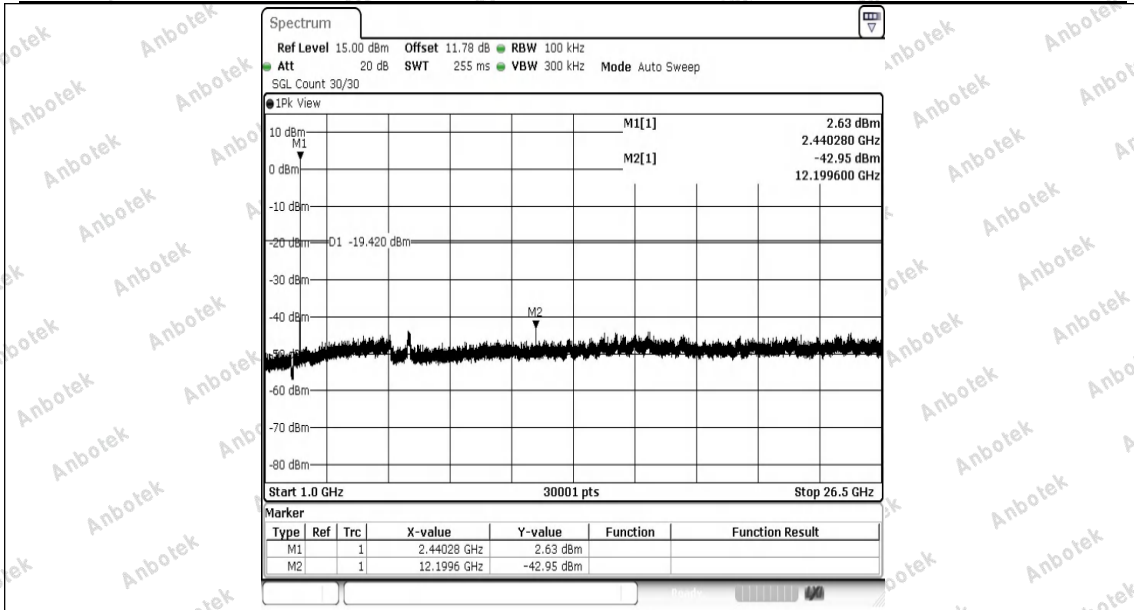


BLE\_1M-Ant1-2440-0~Reference-PASS

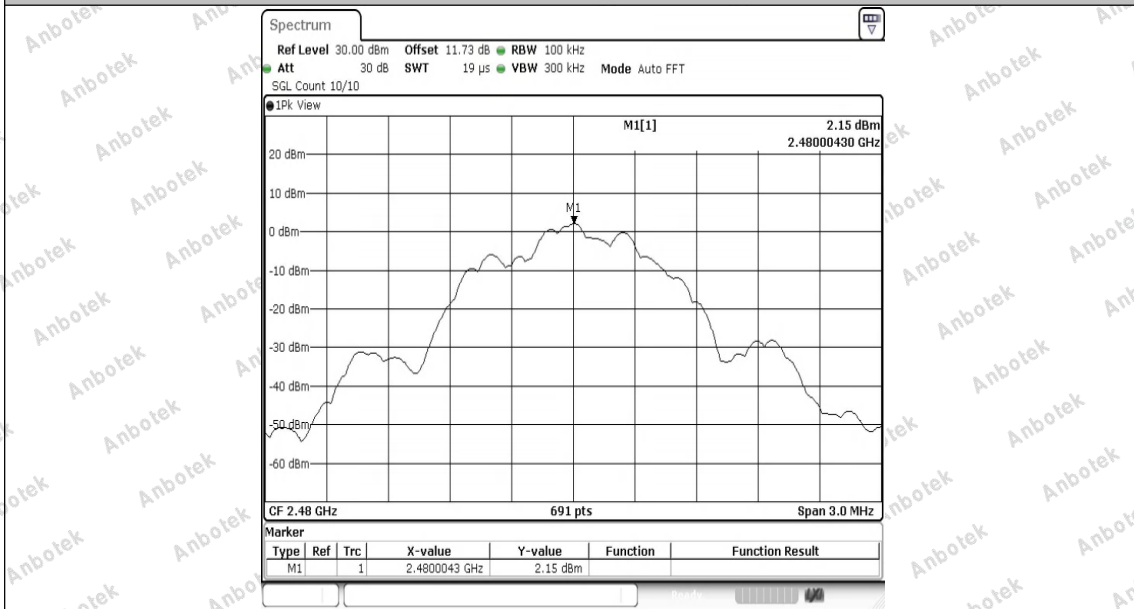


BLE\_1M-Ant1-2440-30~1000-PASS



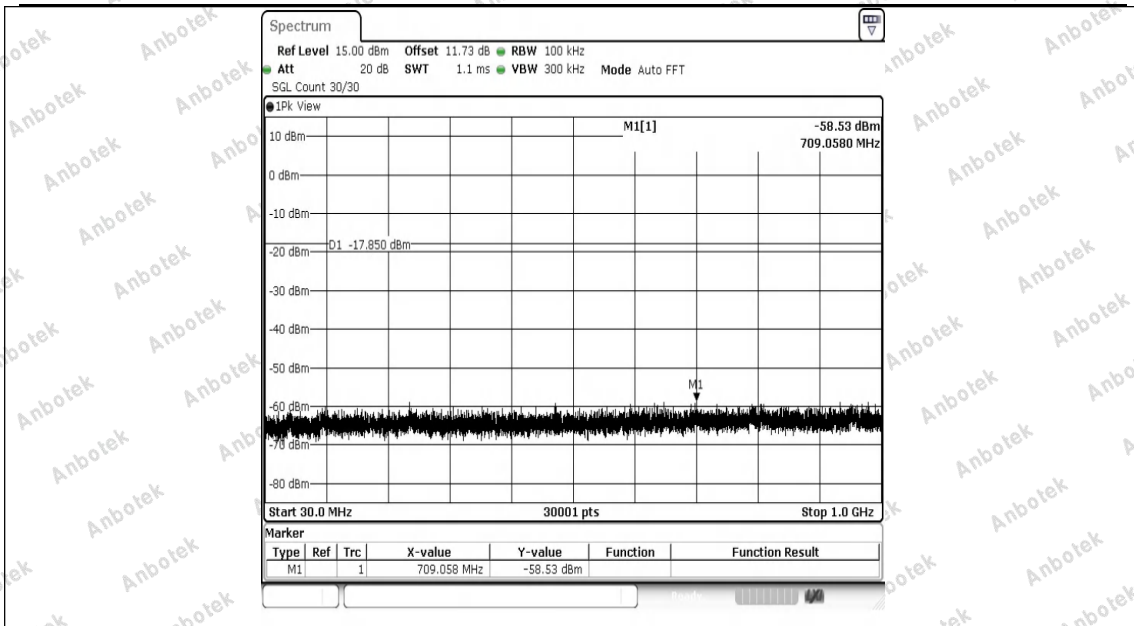


BLE\_1M-Ant1-2440-1000~26500-PASS

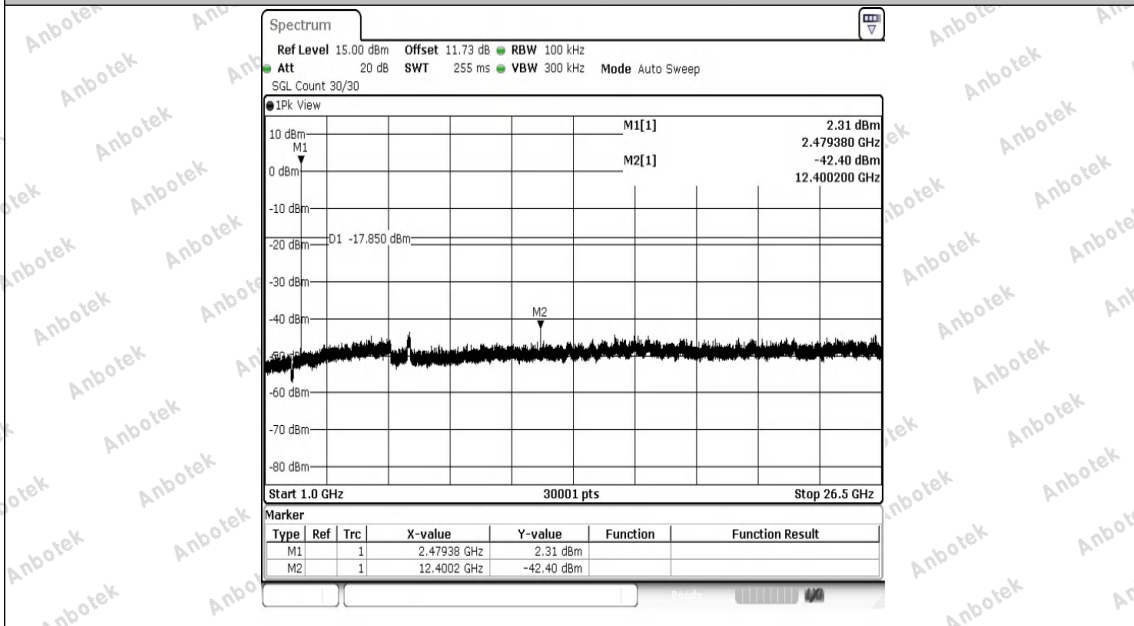


BLE\_1M-Ant1-2480-0~Reference-PASS





BLE\_1M-Ant1-2480-30~1000-PASS



BLE\_1M-Ant1-2480-1000~26500-PASS

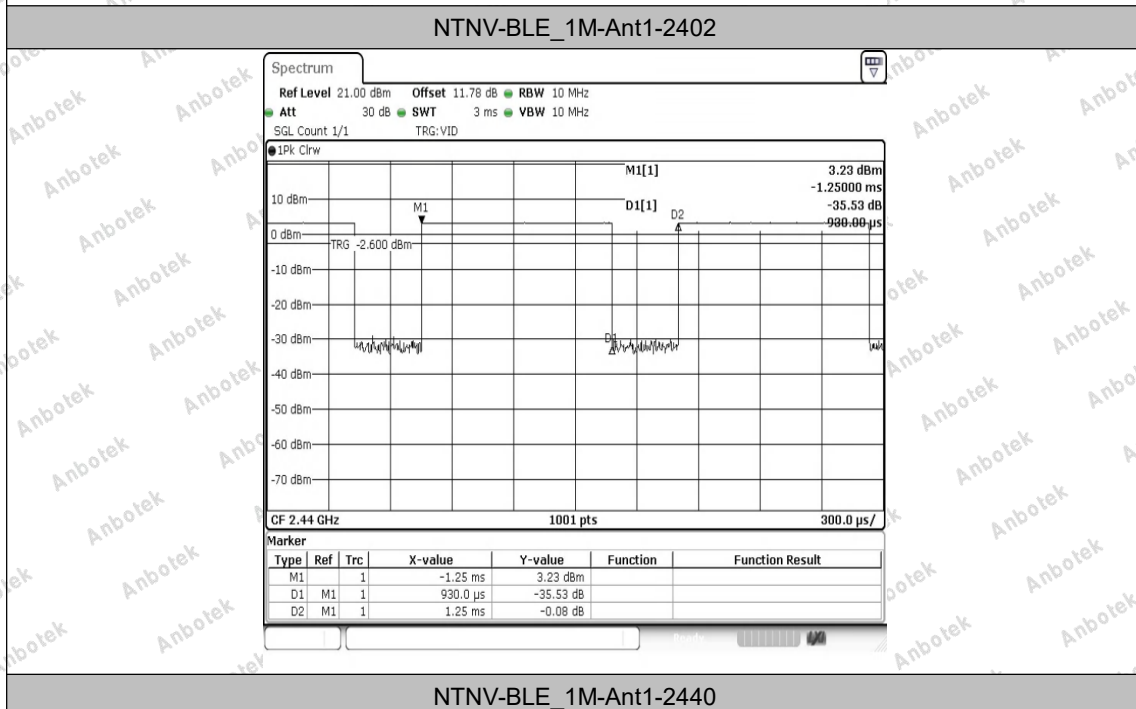
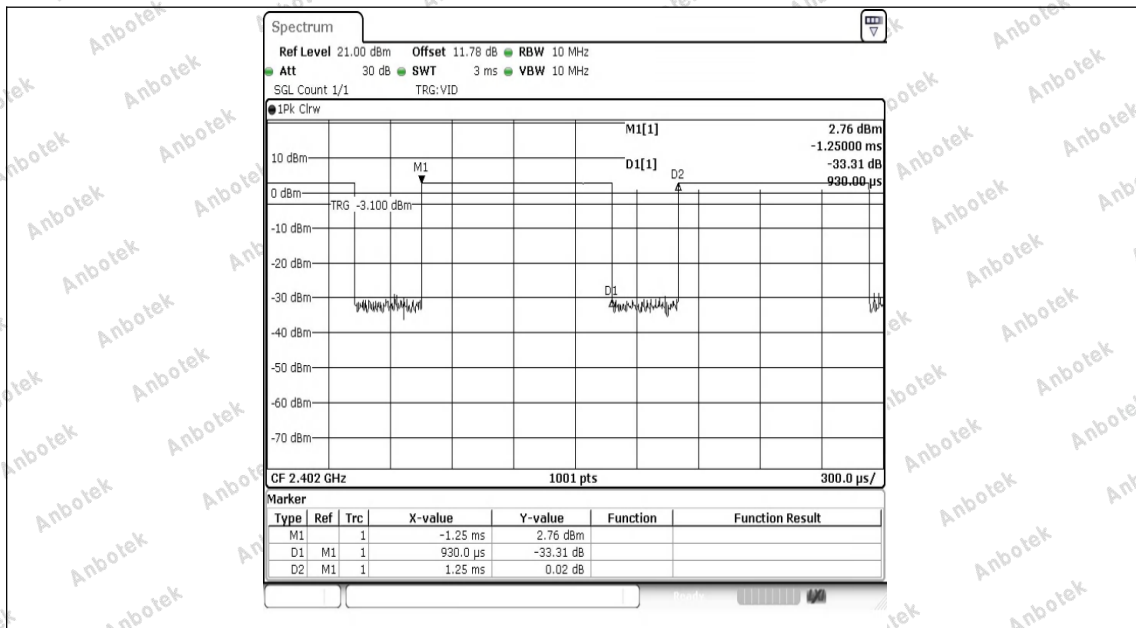


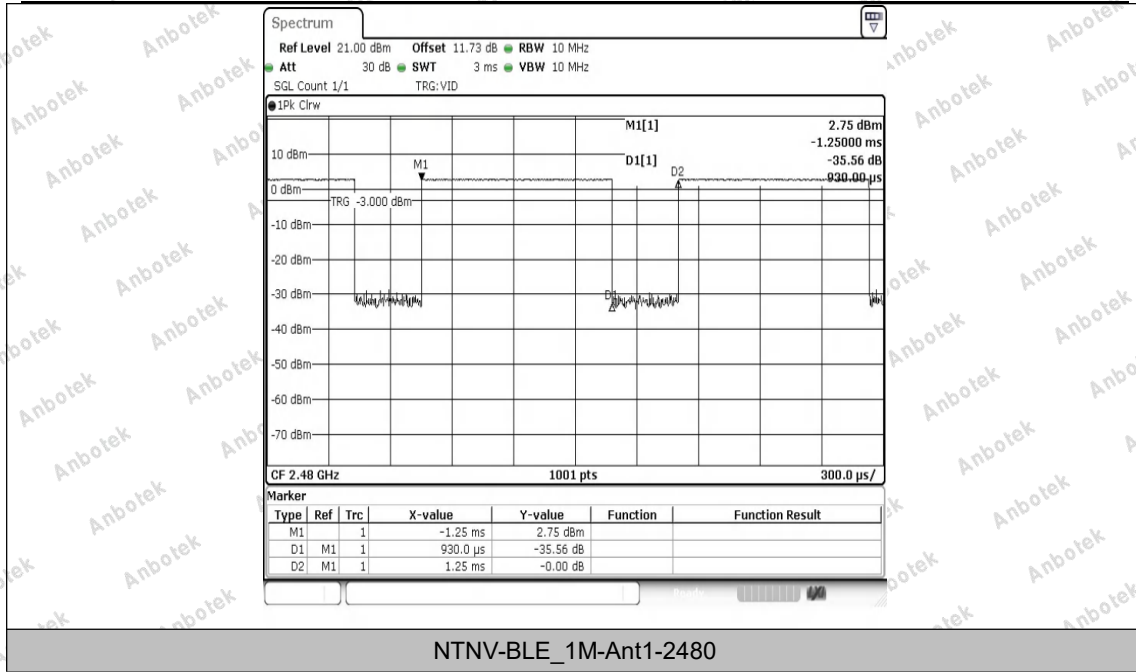
## Appendix G: Duty Cycle

### Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.93	1.25	74.40	1.28
BLE_1M	Ant1	2440	0.93	1.25	74.40	1.28
BLE_1M	Ant1	2480	0.93	1.25	74.40	1.28

### Test Graphs





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