

## Appendix Test Data

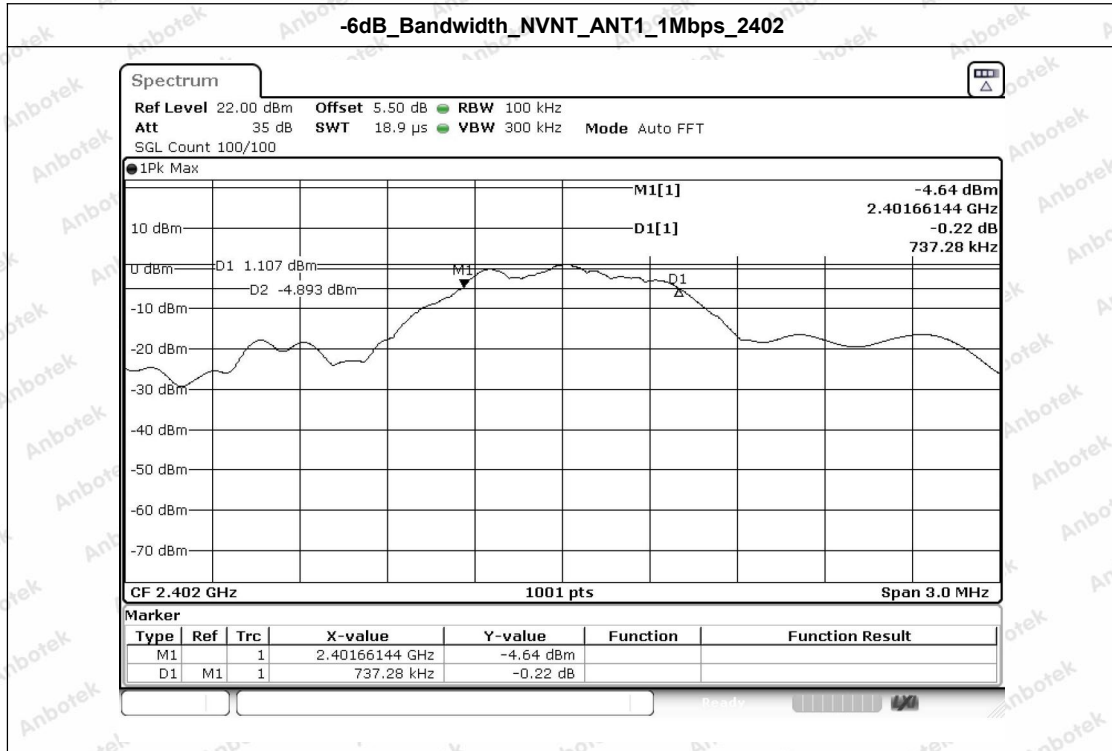
Report No.:	182518C400018101	Test Sample No.:	1-2-2
Start Test Date:	2024.05.25	Finish Test Date:	2024.05.28
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.3°C	Relative Humidity:	48%
Pressure:	101kPa		

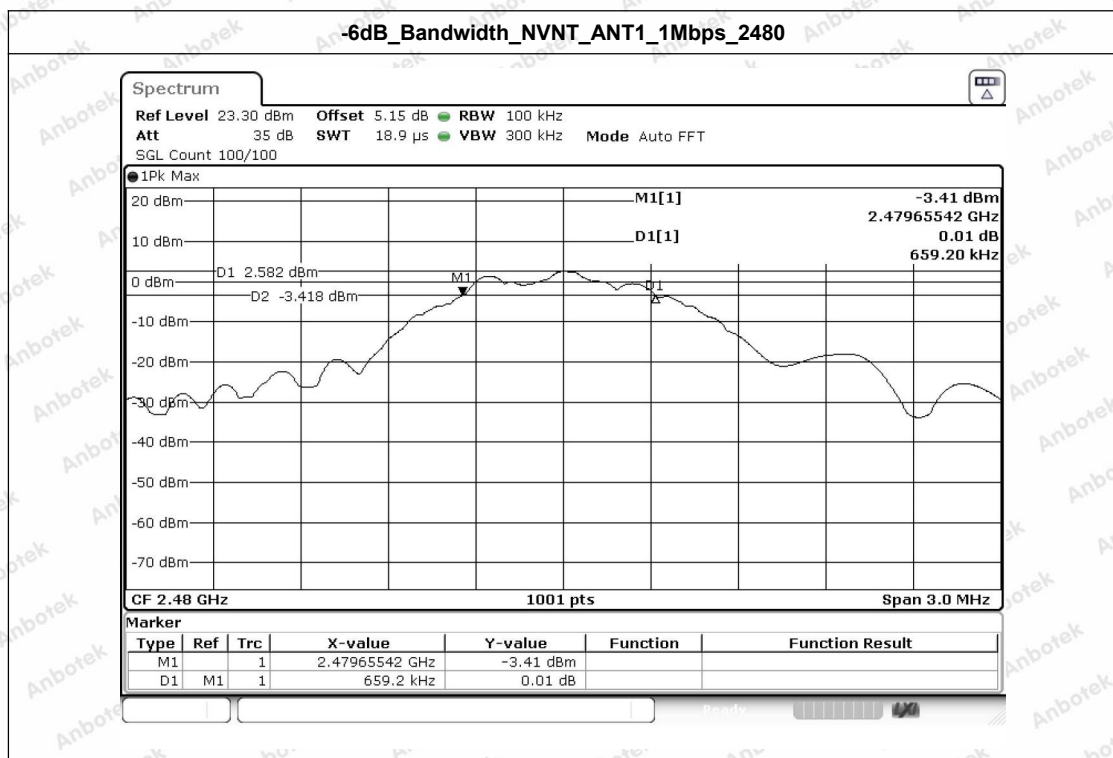
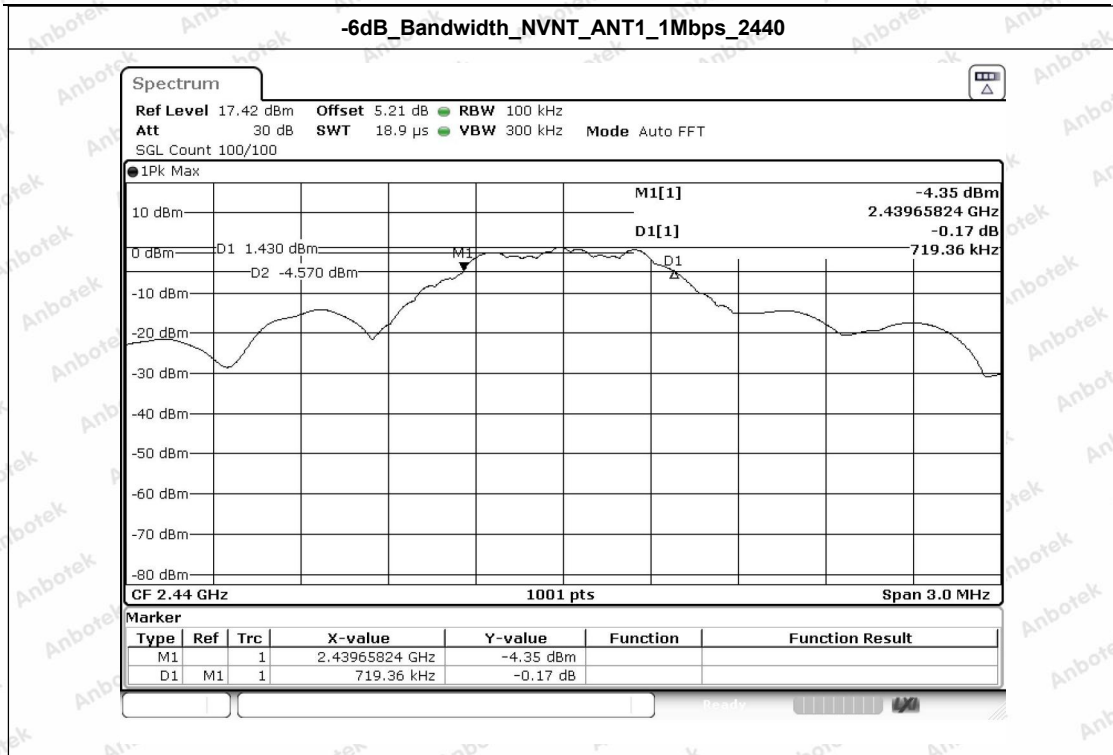
## Appendix A: 6dB Bandwidth

### Test Result

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402	737.28	500	Pass
NVNT	ANT1	1Mbps	2440	719.36	500	Pass
NVNT	ANT1	1Mbps	2480	659.20	500	Pass
NVNT	ANT1	2Mbps	2402	851.20	500	Pass
NVNT	ANT1	2Mbps	2440	1081.86	500	Pass
NVNT	ANT1	2Mbps	2480	992.00	500	Pass

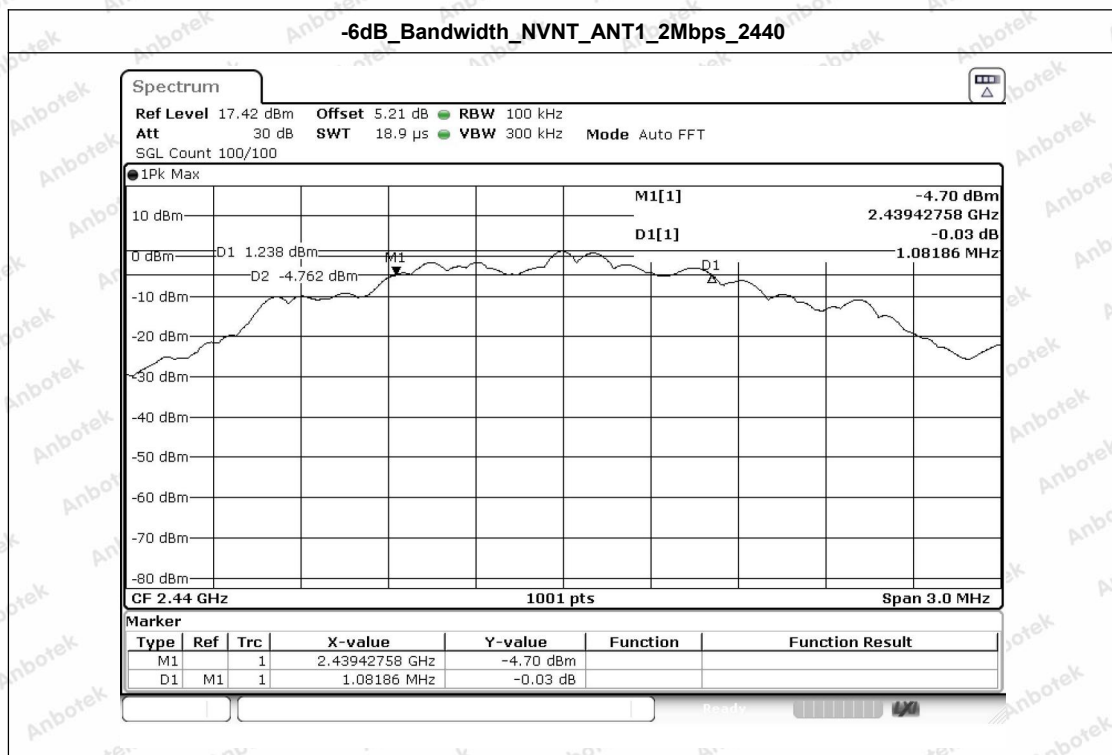
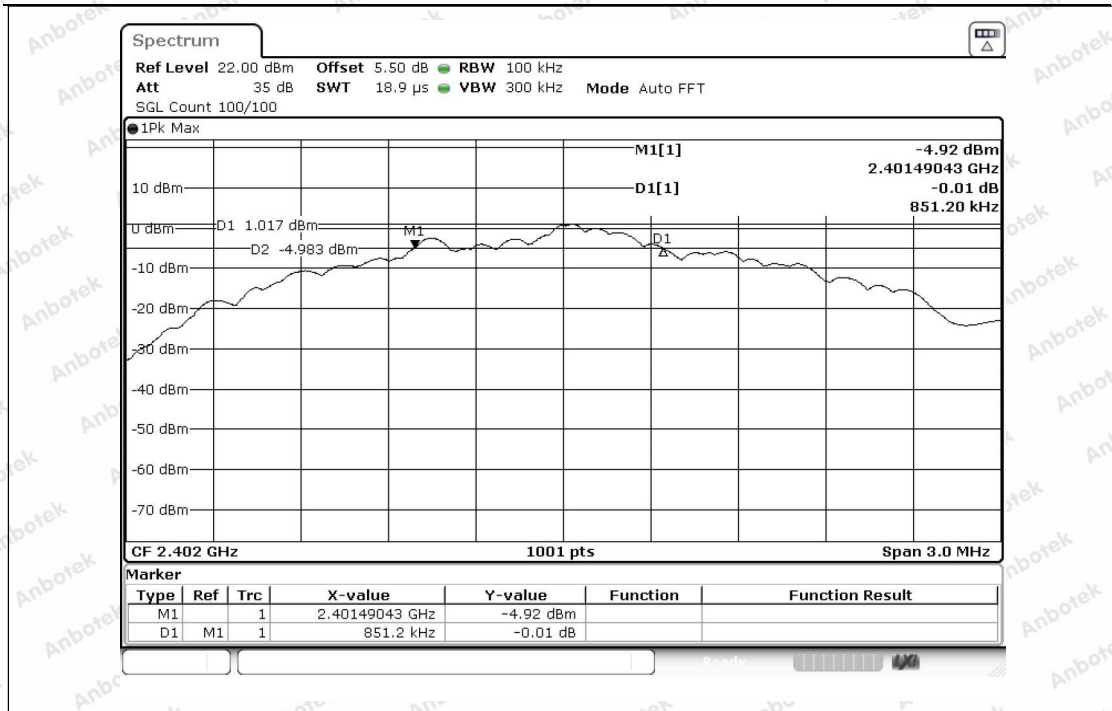
### Test Graphs





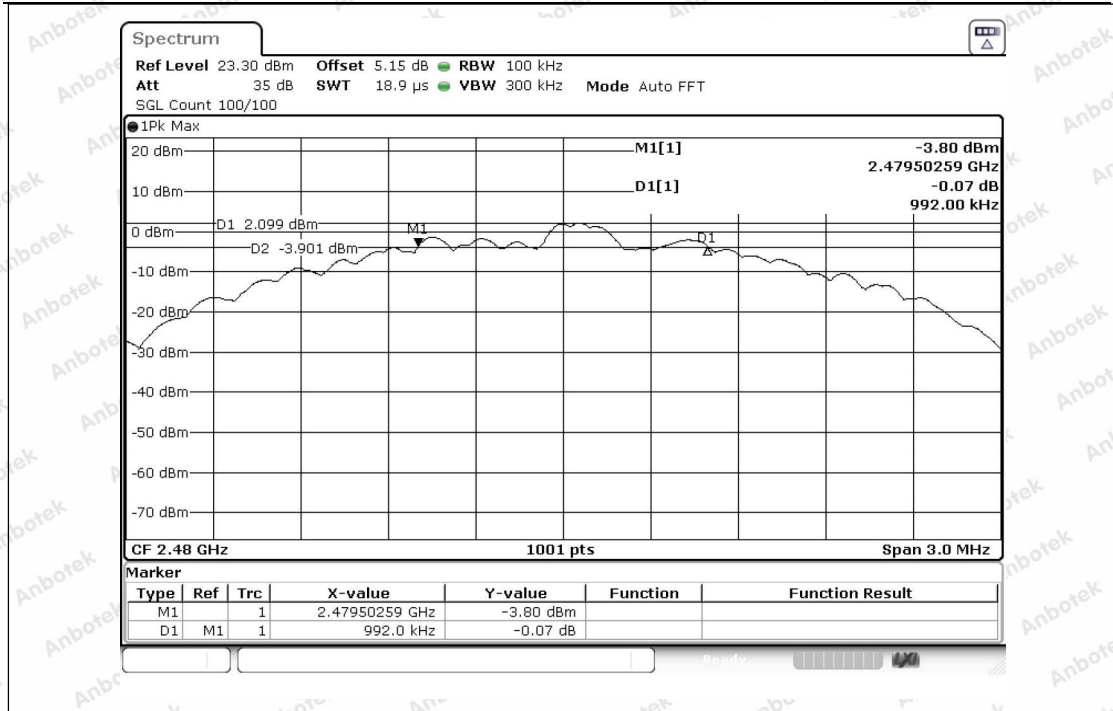
### -6dB\_Bandwidth\_NVNT\_ANT1\_2Mbps\_2402





**-6dB\_Bandwidth\_NVNT\_ANT1\_2Mbps\_2480**





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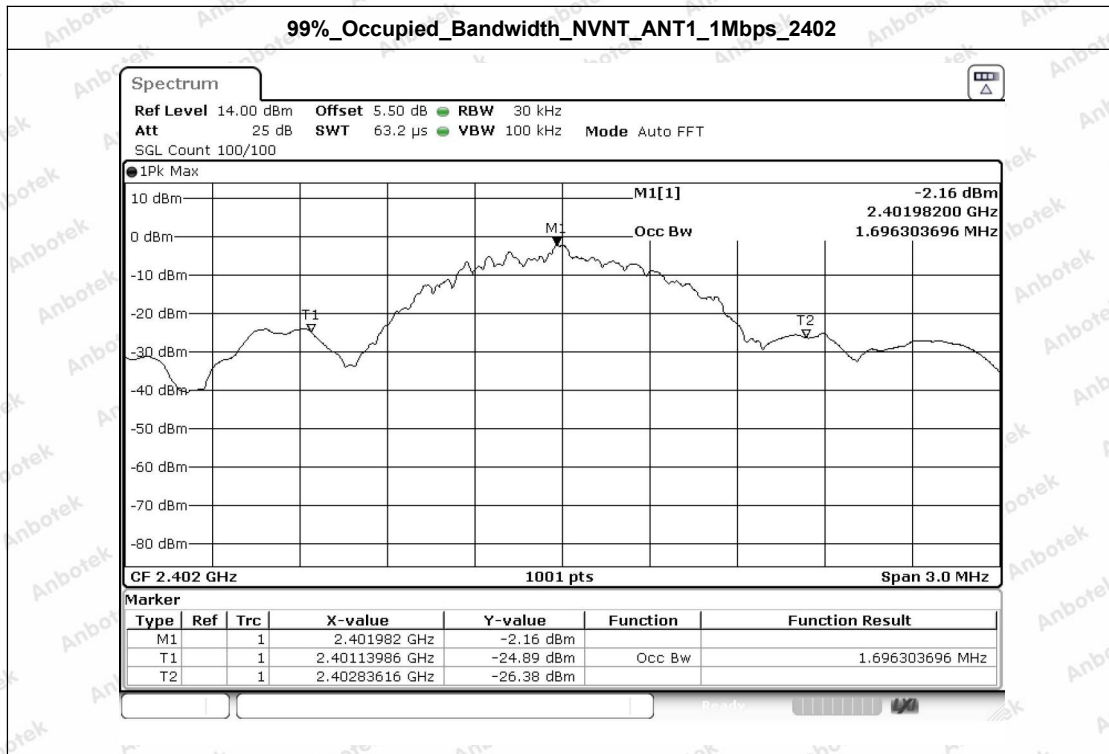


## Appendix B: 99% Occupied Bandwidth

### Test Result

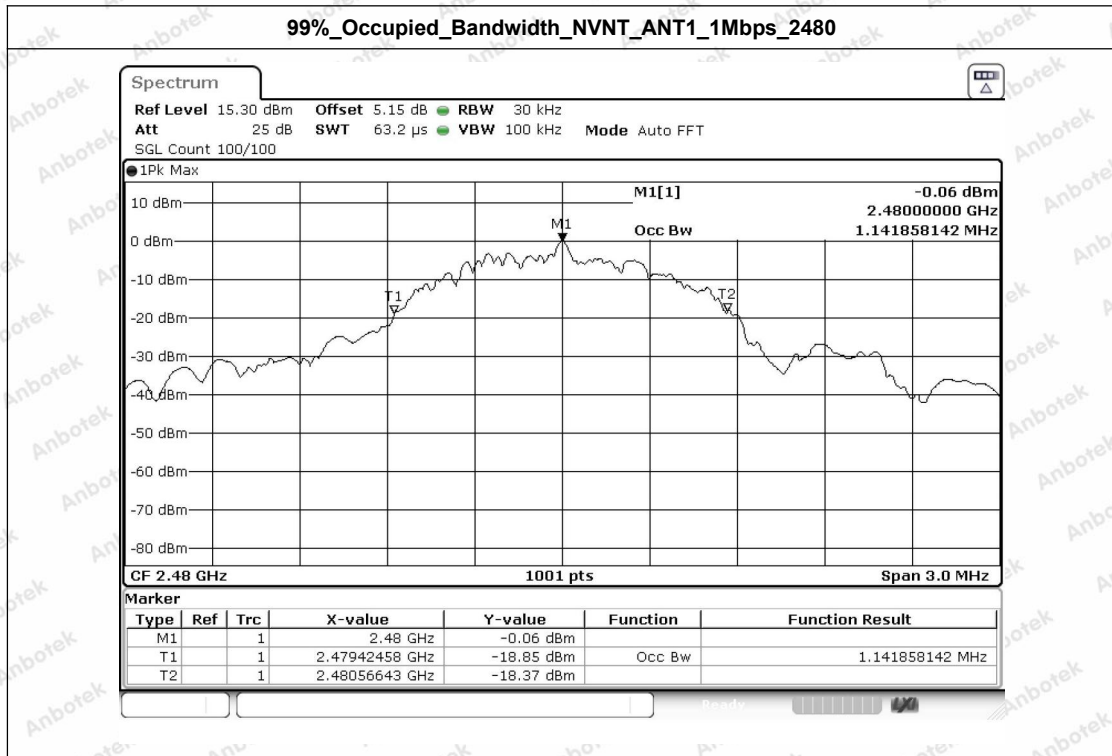
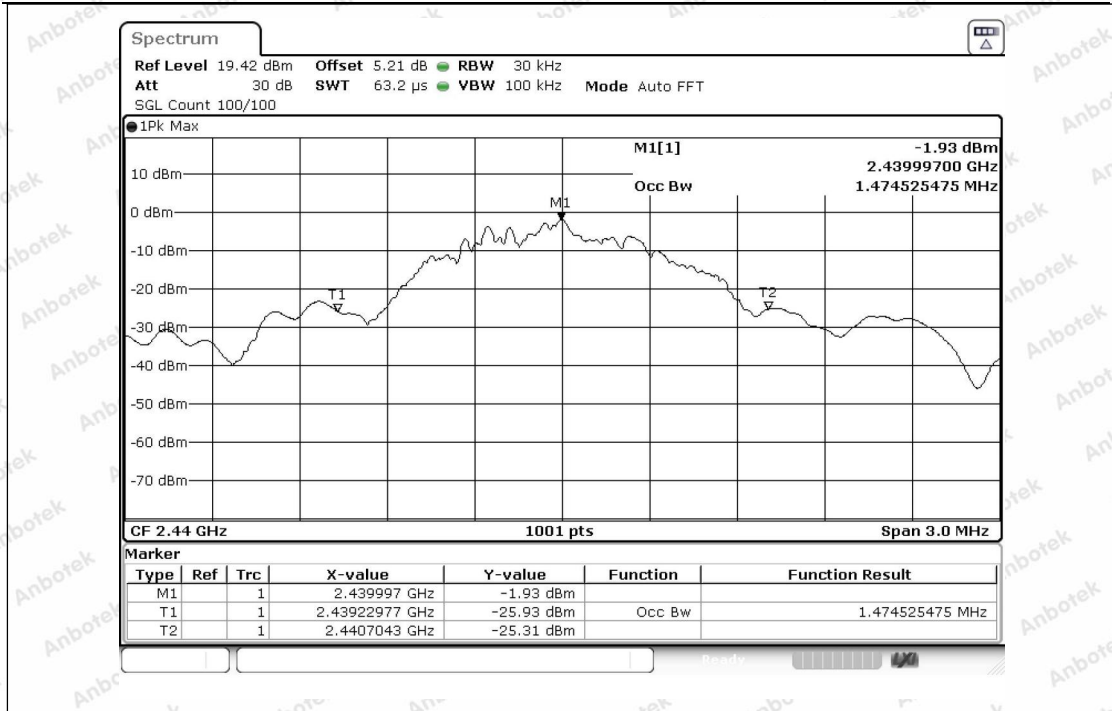
Condition	Antenna	Rate	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1Mbps	2402	1.696
NVNT	ANT1	1Mbps	2440	1.475
NVNT	ANT1	1Mbps	2480	1.142
NVNT	ANT1	2Mbps	2402	2.194
NVNT	ANT1	2Mbps	2440	2.191
NVNT	ANT1	2Mbps	2480	2.248

### Test Graphs



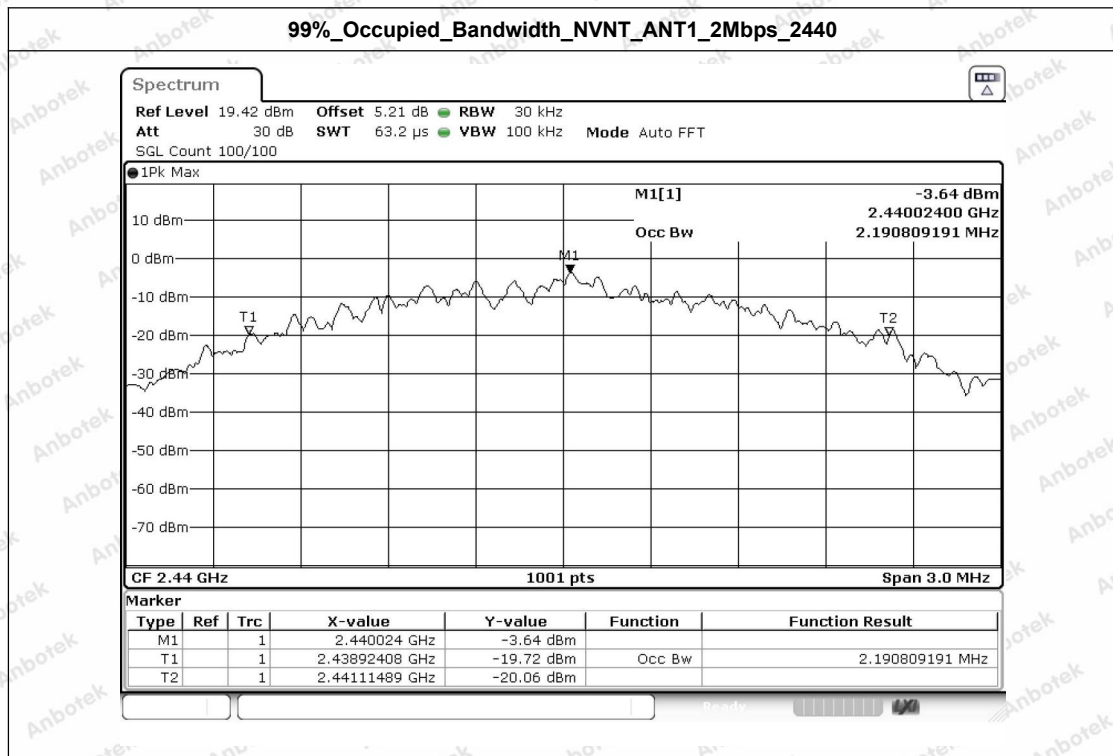
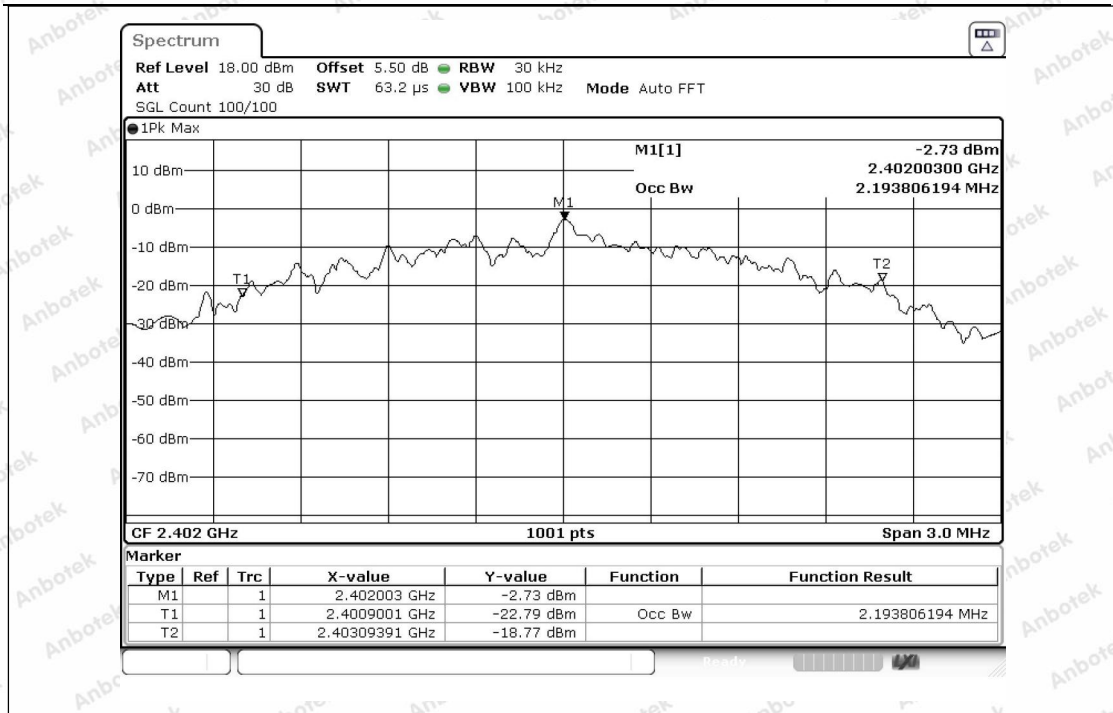
**99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1Mbps\_2440**





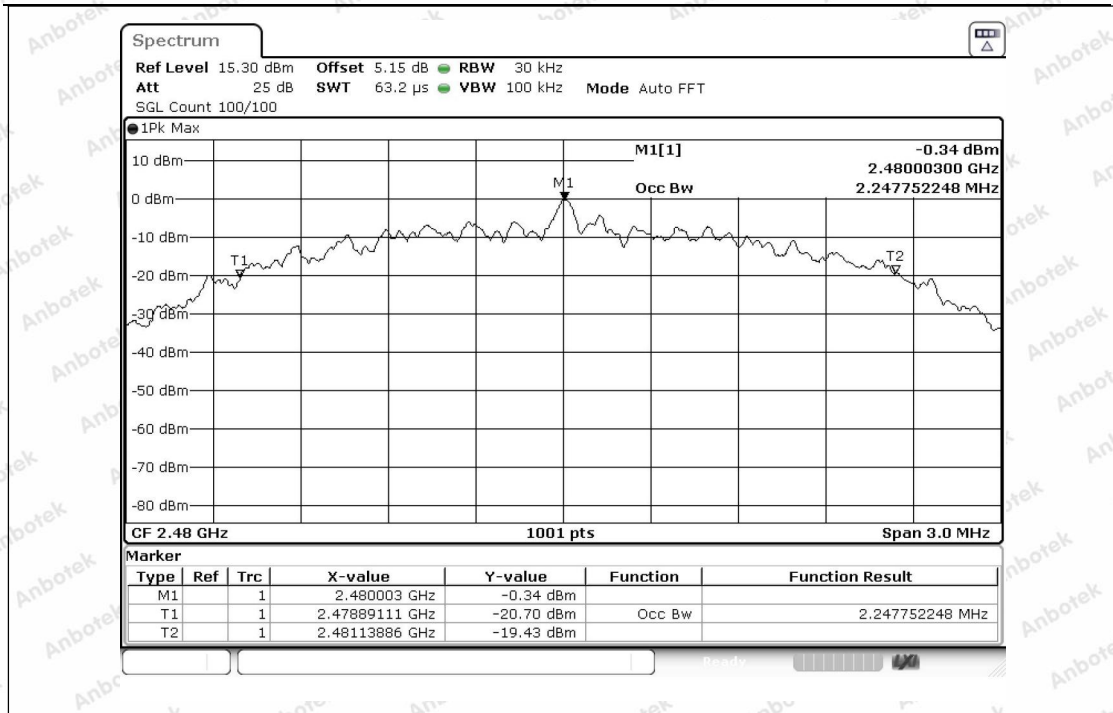
99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_2Mbps\_2402





**99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_2Mbps\_2480**





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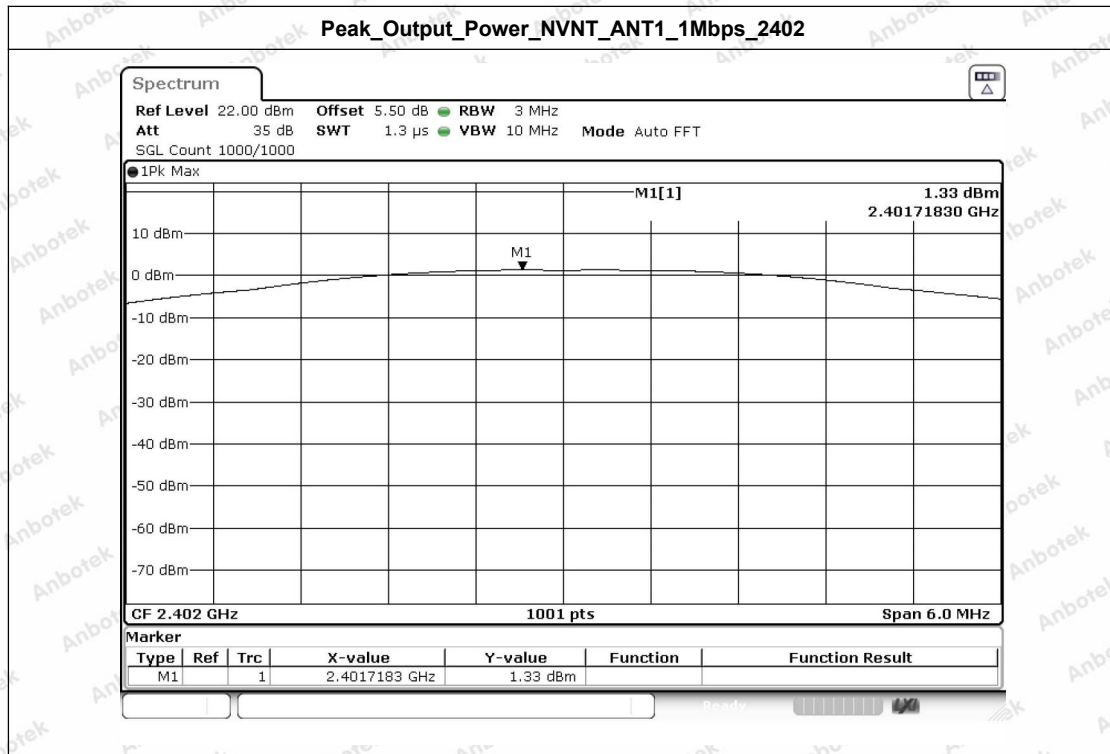


## Appendix C: Maximum conducted output power

### Test Result Peak

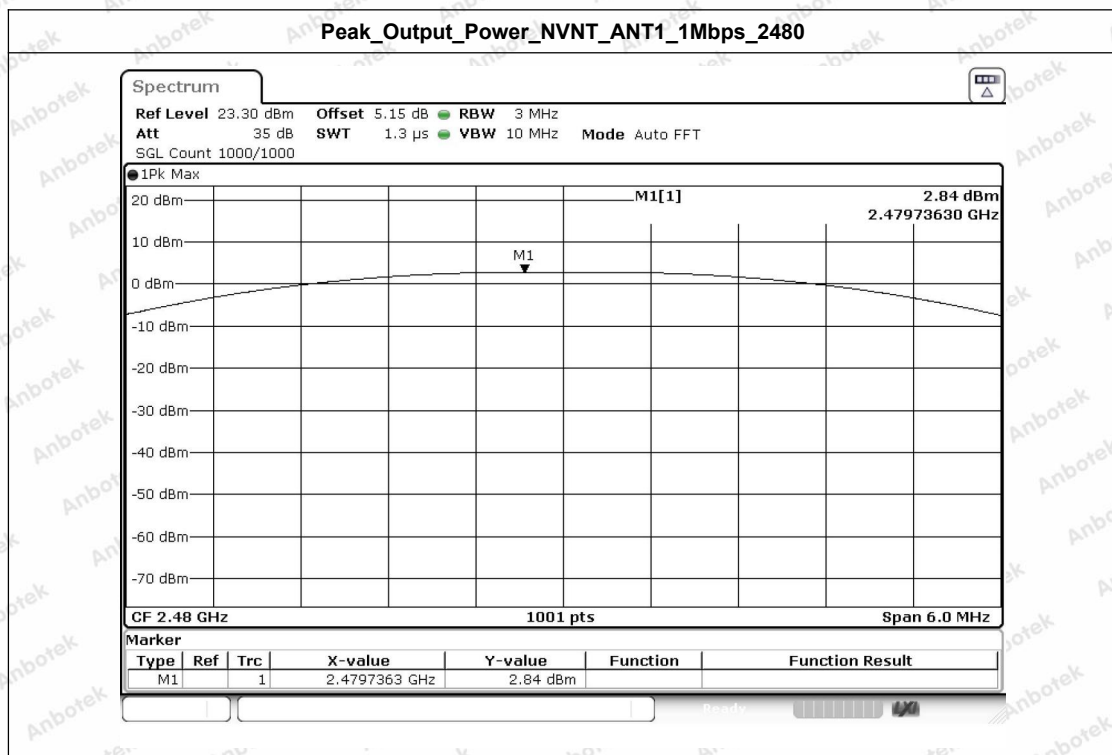
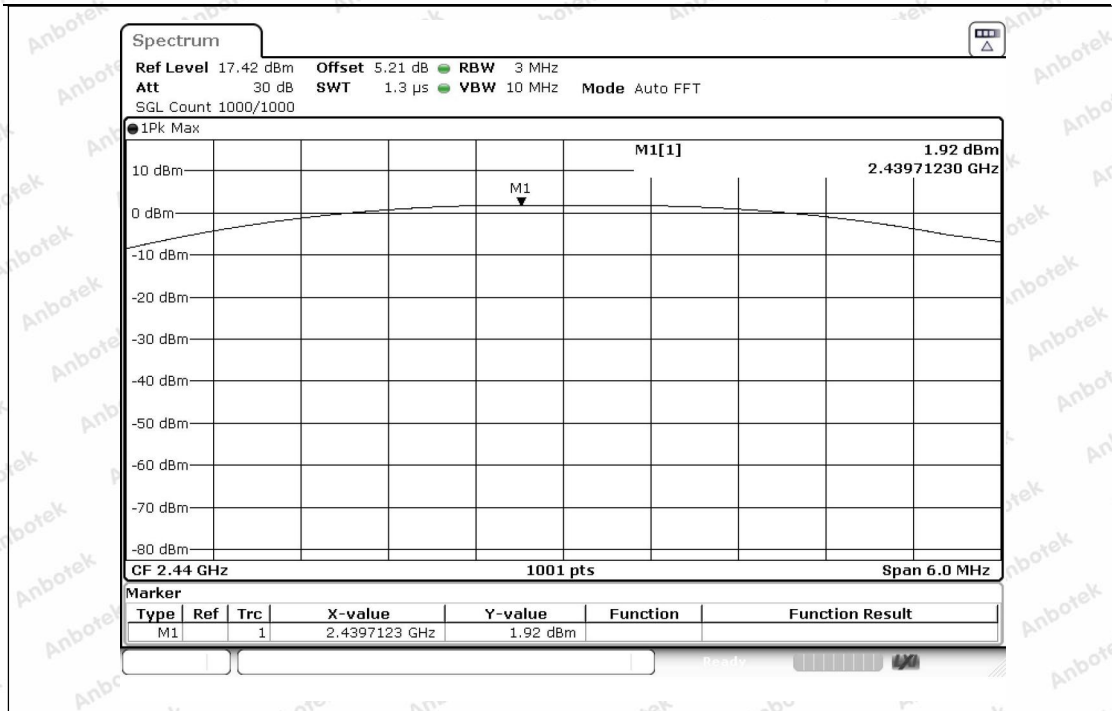
Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402	1.33	1.36	1000	Pass
NVNT	ANT1	1Mbps	2440	1.92	1.56	1000	Pass
NVNT	ANT1	1Mbps	2480	2.84	1.92	1000	Pass
NVNT	ANT1	2Mbps	2402	1.11	1.29	1000	Pass
NVNT	ANT1	2Mbps	2440	1.72	1.49	1000	Pass
NVNT	ANT1	2Mbps	2480	3.02	2.00	1000	Pass

### Test Graphs



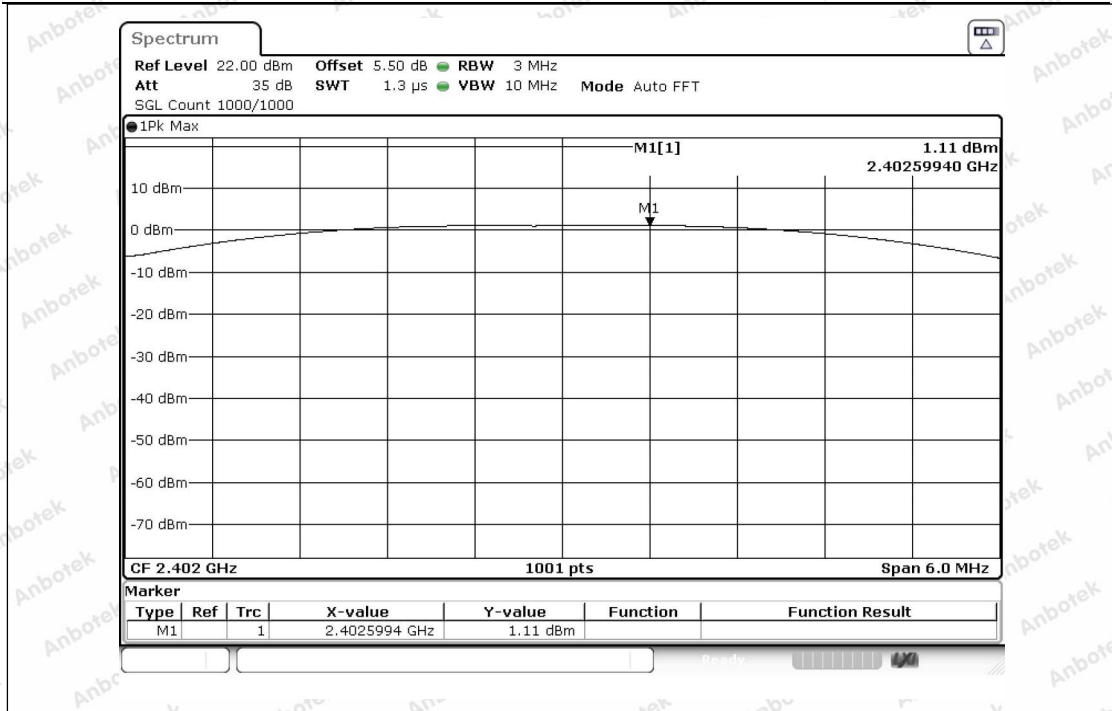
**Peak\_Output\_Power\_NVNT\_ANT1\_1Mbps\_2440**



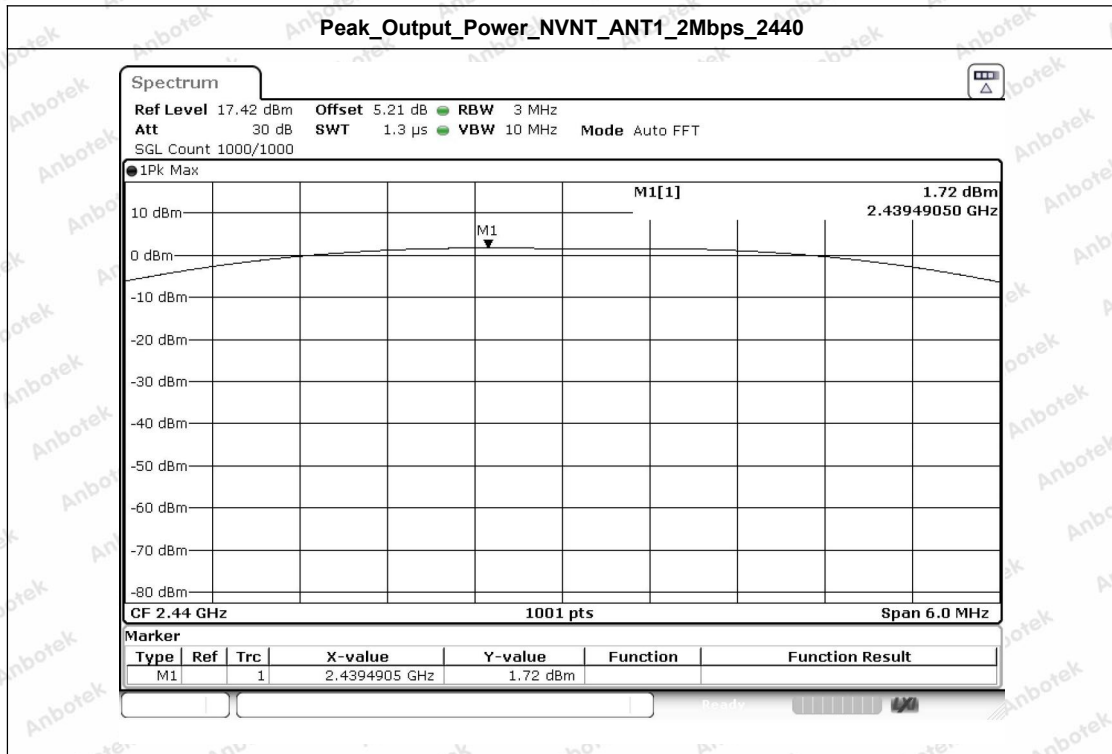


**Peak\_Output\_Power\_NVNT\_ANT1\_2Mbps\_2402**



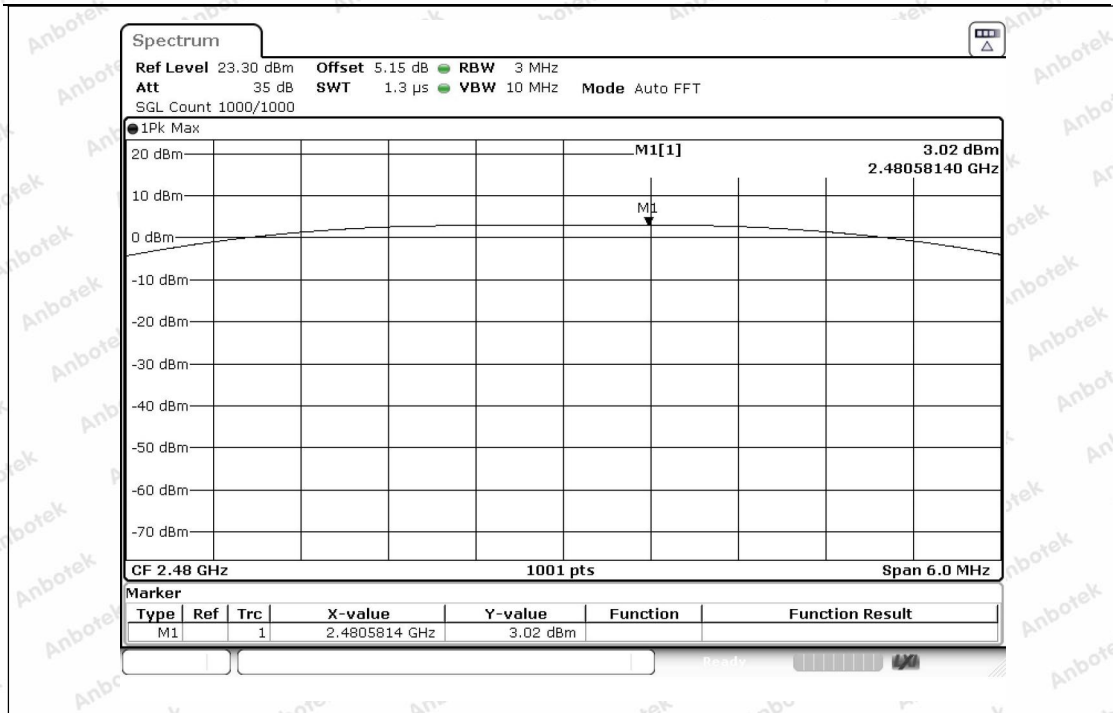


### Peak\_Output\_Power\_NVNT\_ANT1\_2Mbps\_2440



### Peak\_Output\_Power\_NVNT\_ANT1\_2Mbps\_2480





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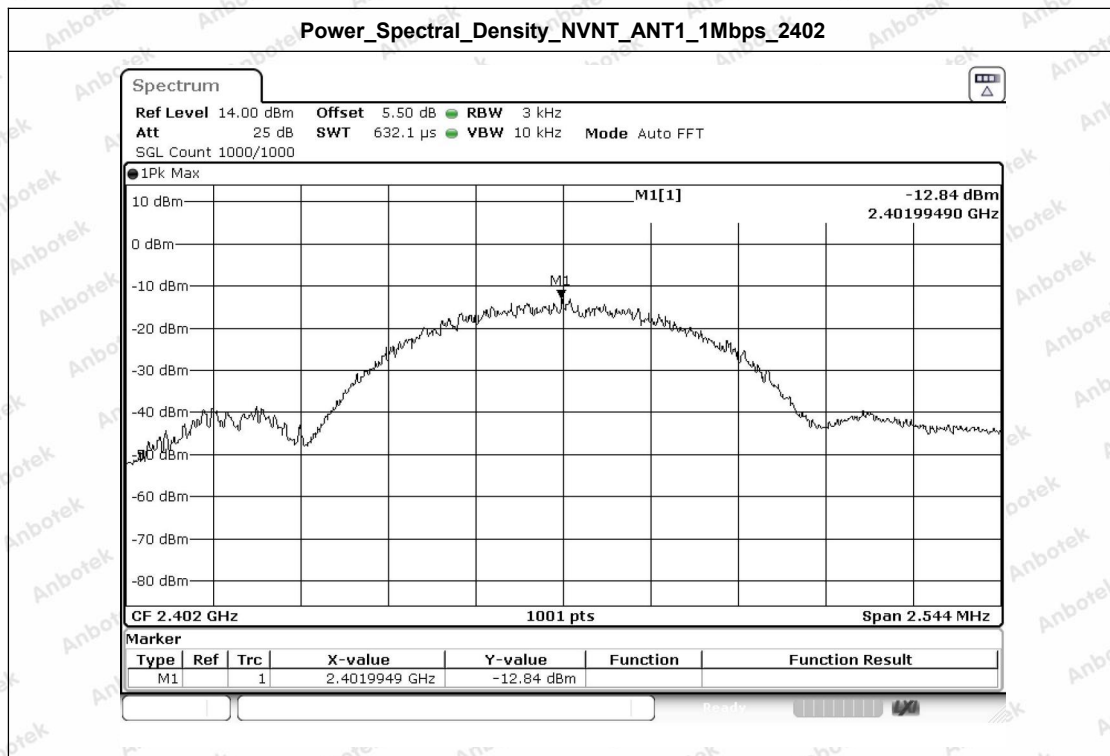


## Appendix D: Maximum power spectral density

### Test Result

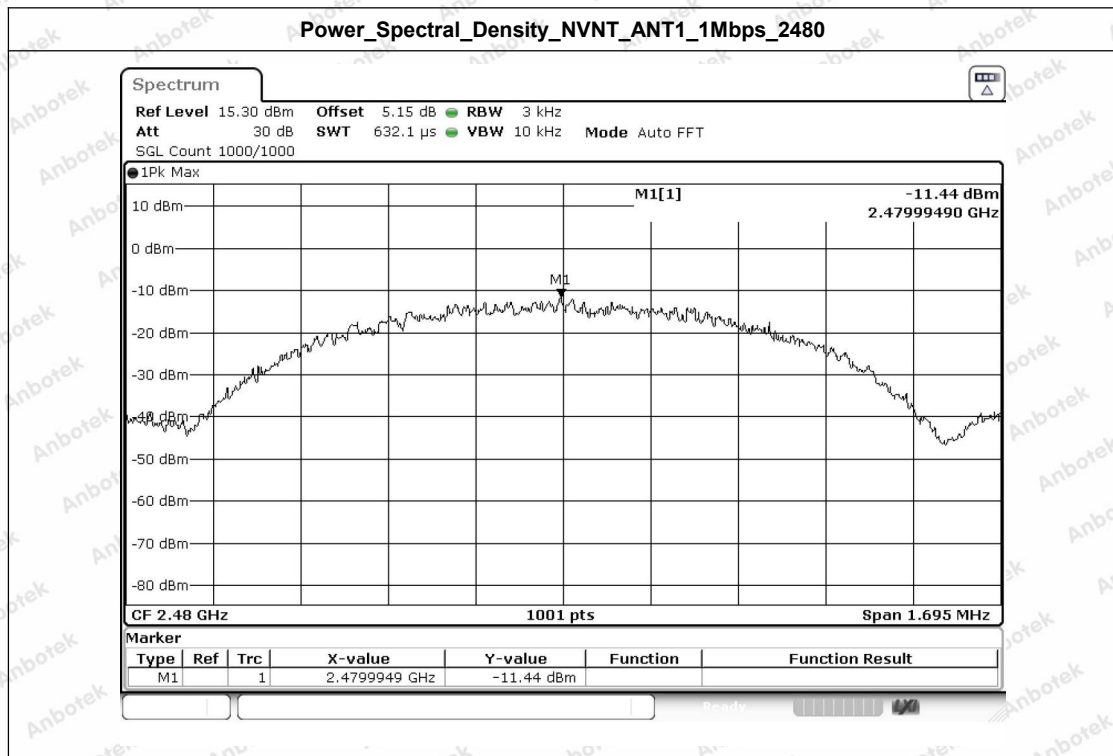
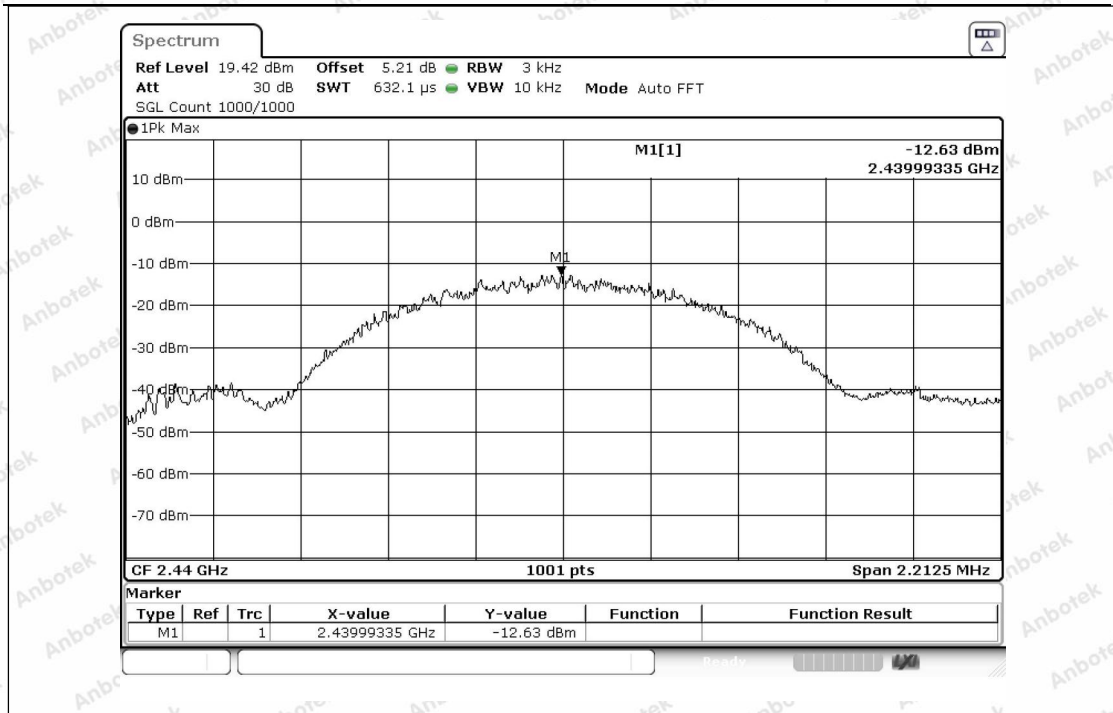
Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402	-12.84	8	Pass
NVNT	ANT1	1Mbps	2440	-12.63	8	Pass
NVNT	ANT1	1Mbps	2480	-11.44	8	Pass
NVNT	ANT1	2Mbps	2402	-14.94	8	Pass
NVNT	ANT1	2Mbps	2440	-13.69	8	Pass
NVNT	ANT1	2Mbps	2480	-13.25	8	Pass

### Test Graphs



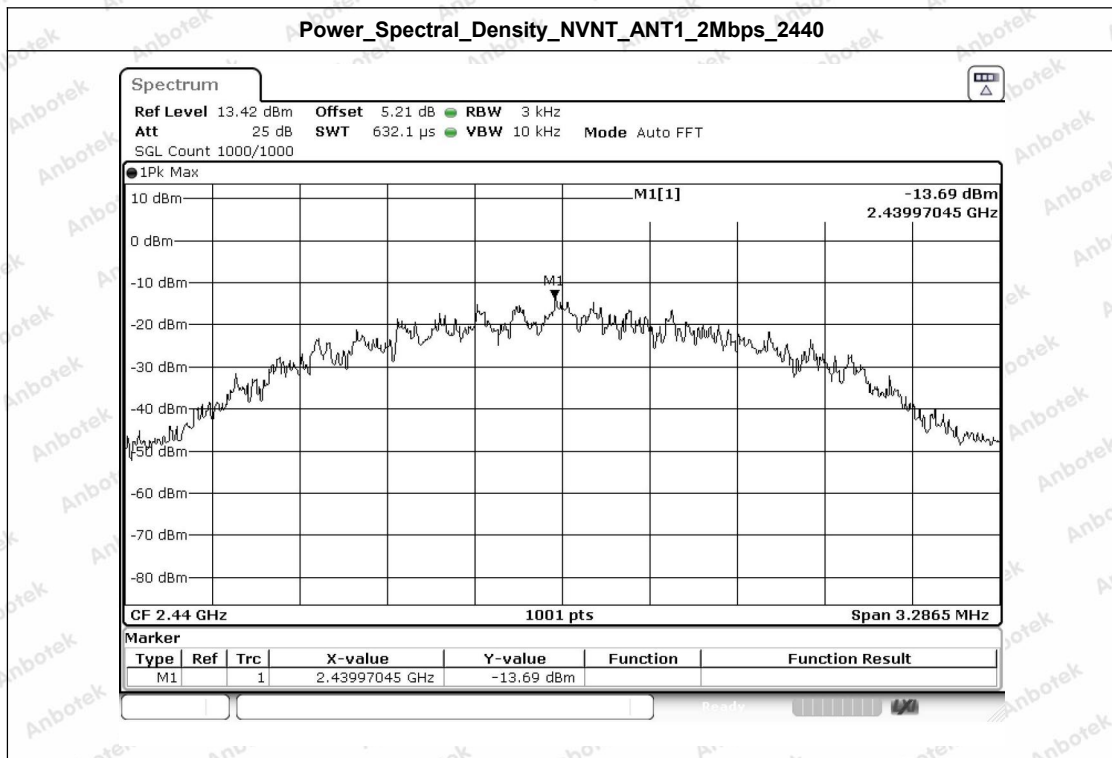
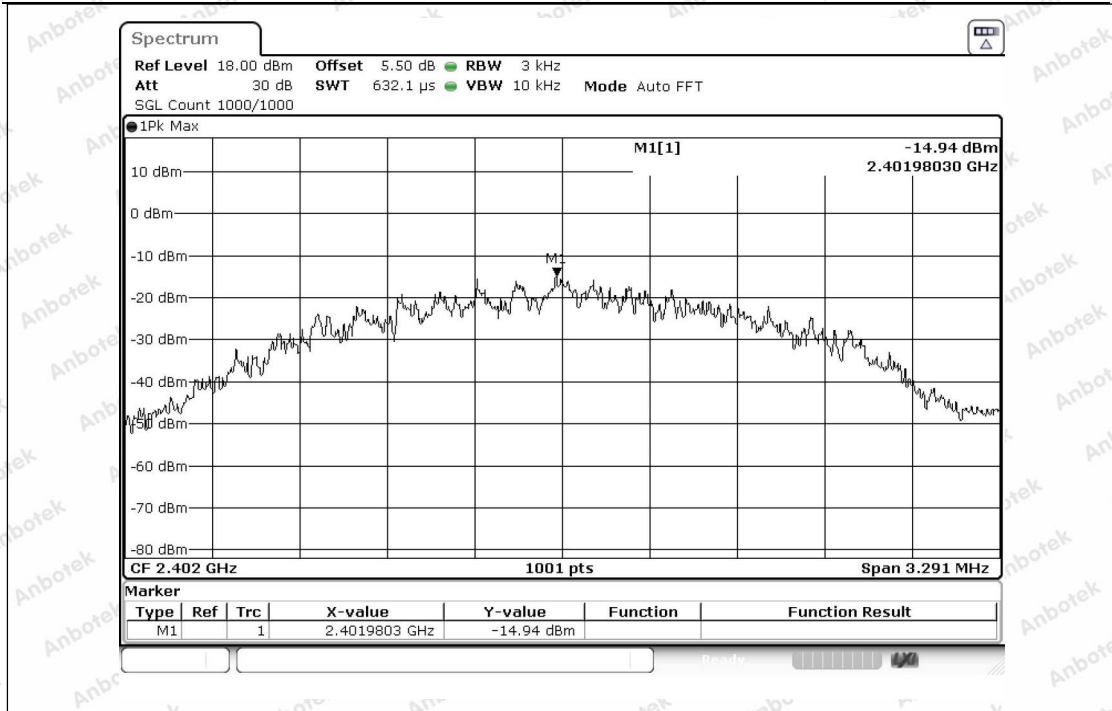
**Power\_Spectral\_Density\_NVNT\_ANT1\_1Mbps\_2440**





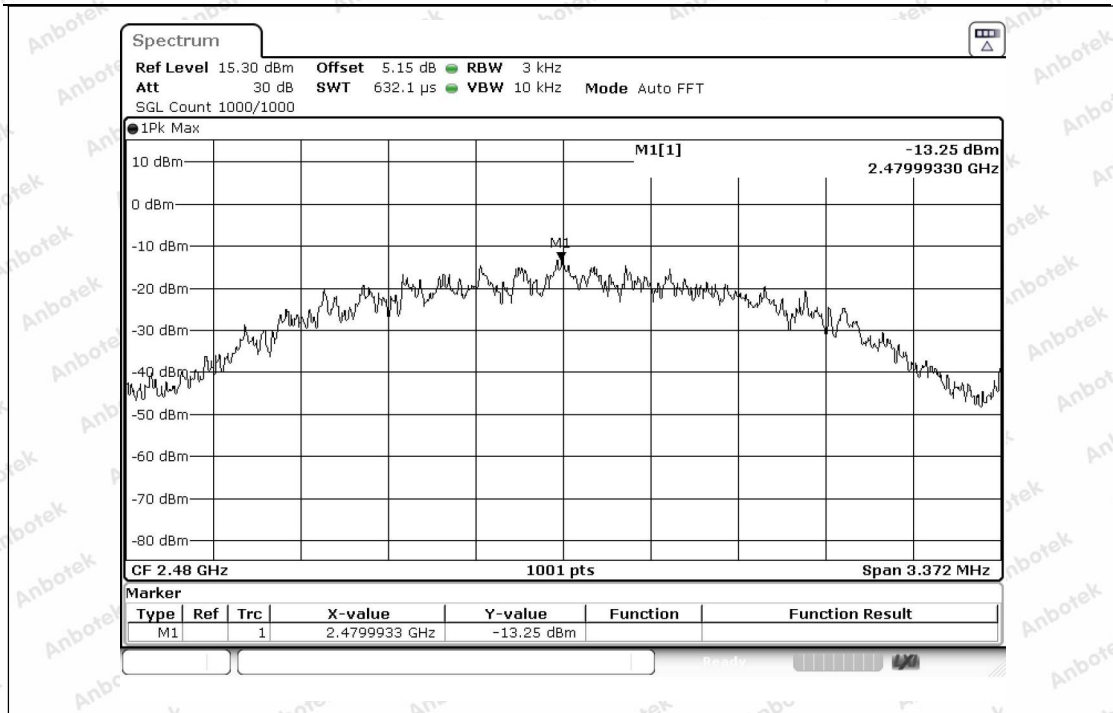
**Power\_Spectral\_Density\_NVNT\_ANT1\_2Mbps\_2402**





**Power\_Spectral\_Density\_NVNT\_ANT1\_2Mbps\_2480**





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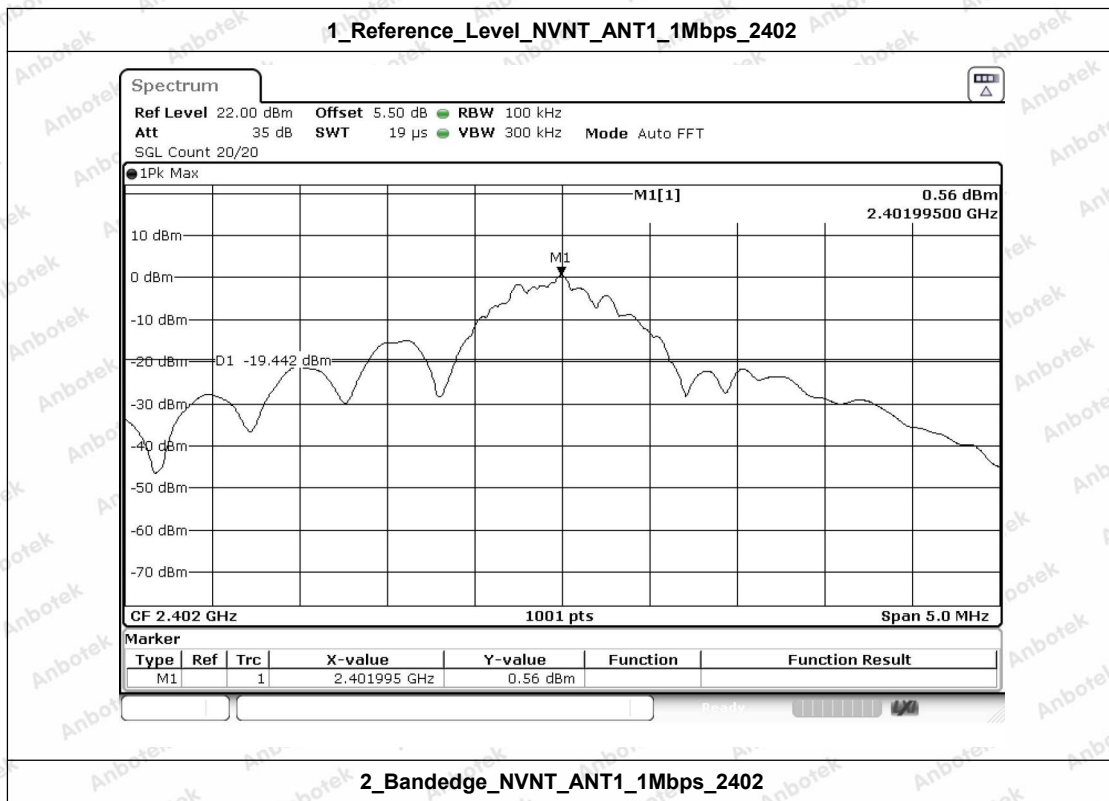


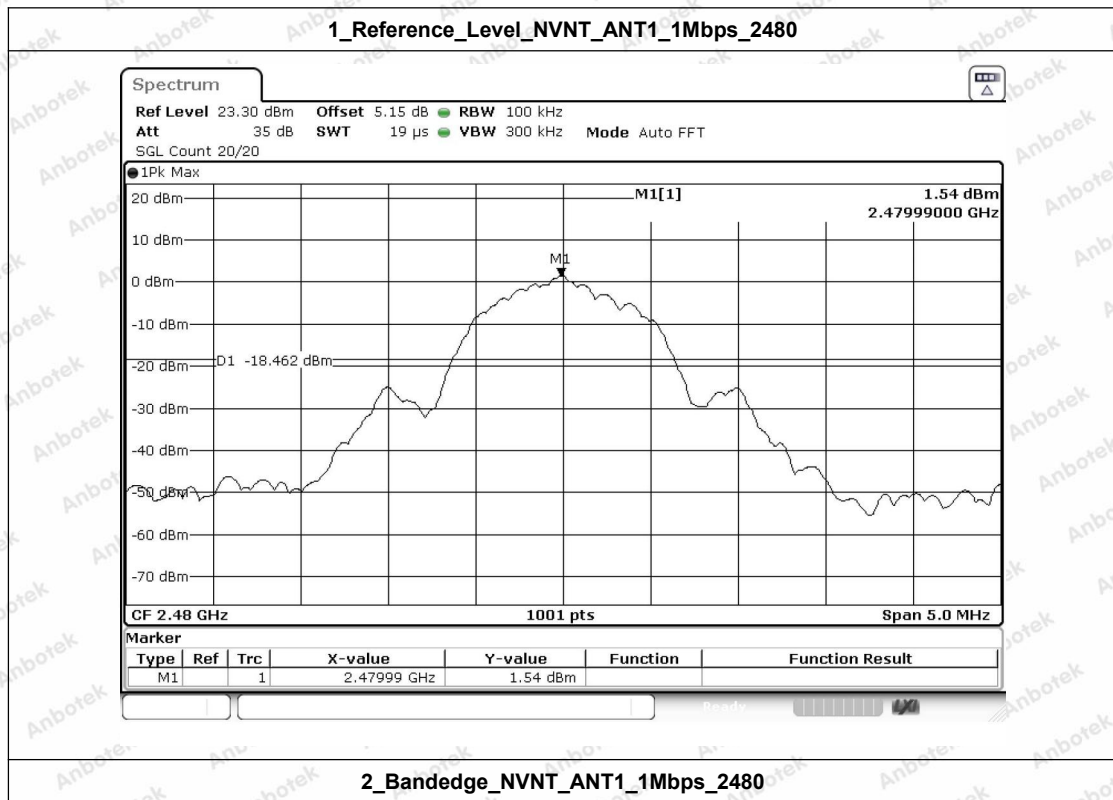
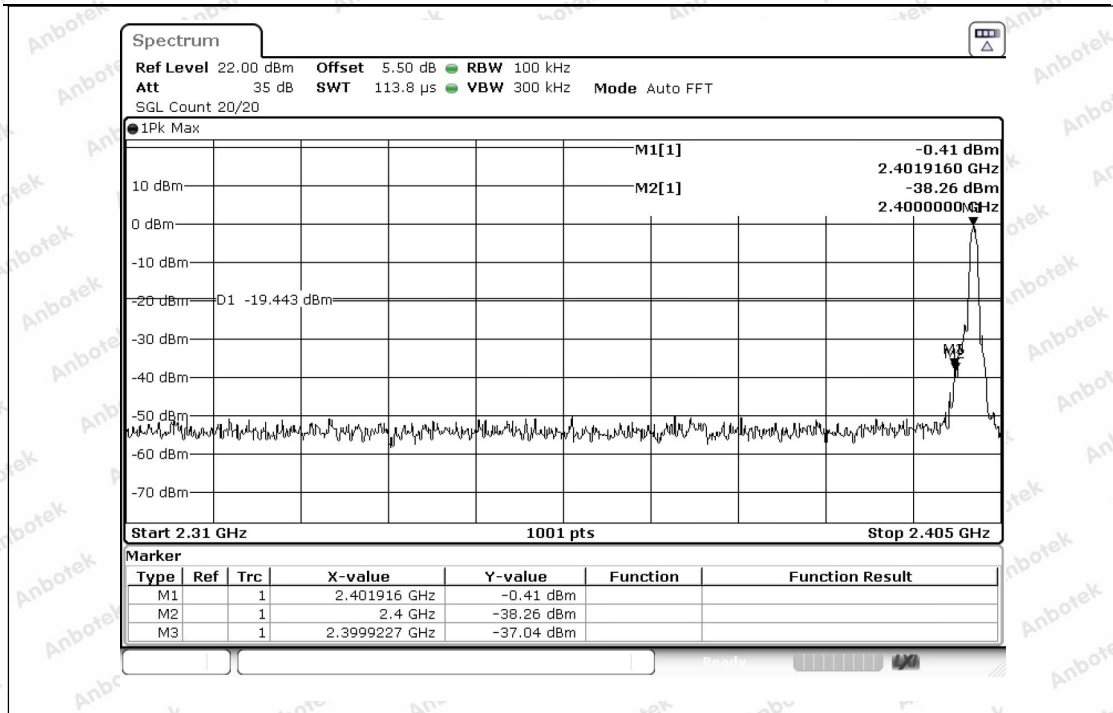
## Appendix E: Band edge measurements

### Test Result

Condition	Antenna	Rate	TX_Frequency (MHz)	Max. Mark Frequency (MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402	2399.923	-37.040	-19.443	Pass
NVNT	ANT1	1Mbps	2480	2485.002	-45.073	-18.462	Pass
NVNT	ANT1	2Mbps	2402	2399.923	-33.306	-19.615	Pass
NVNT	ANT1	2Mbps	2480	2483.903	-50.014	-21.529	Pass

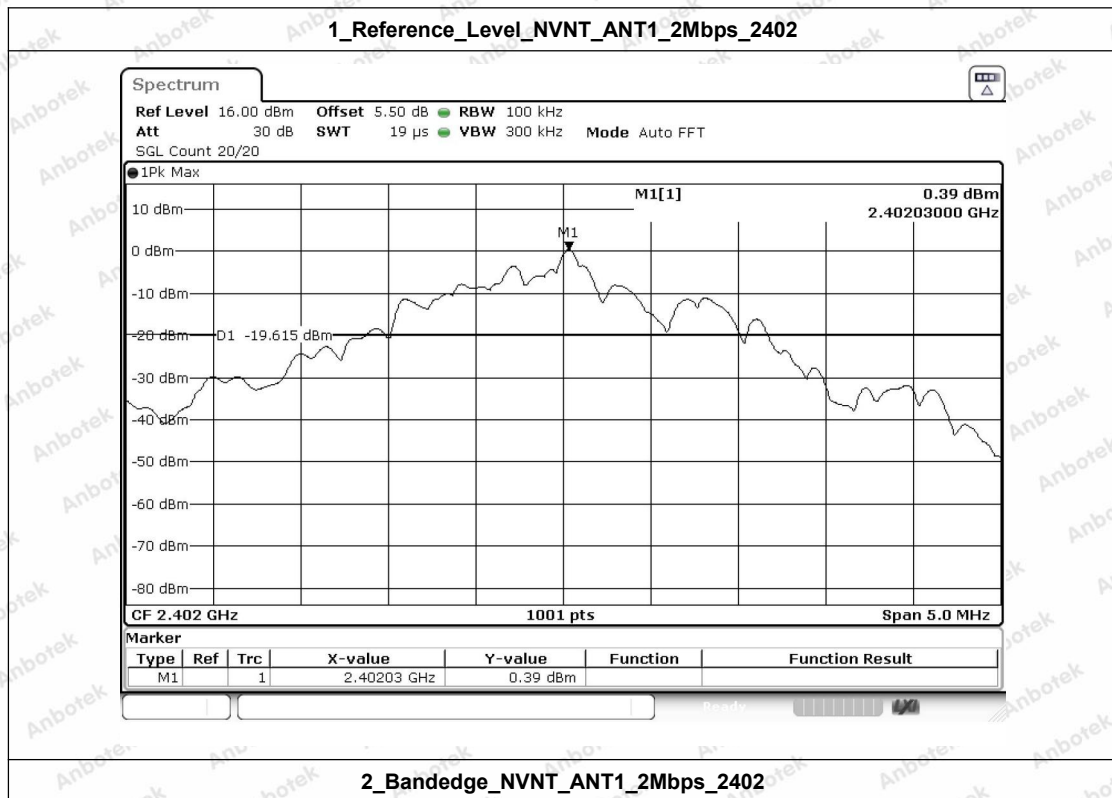
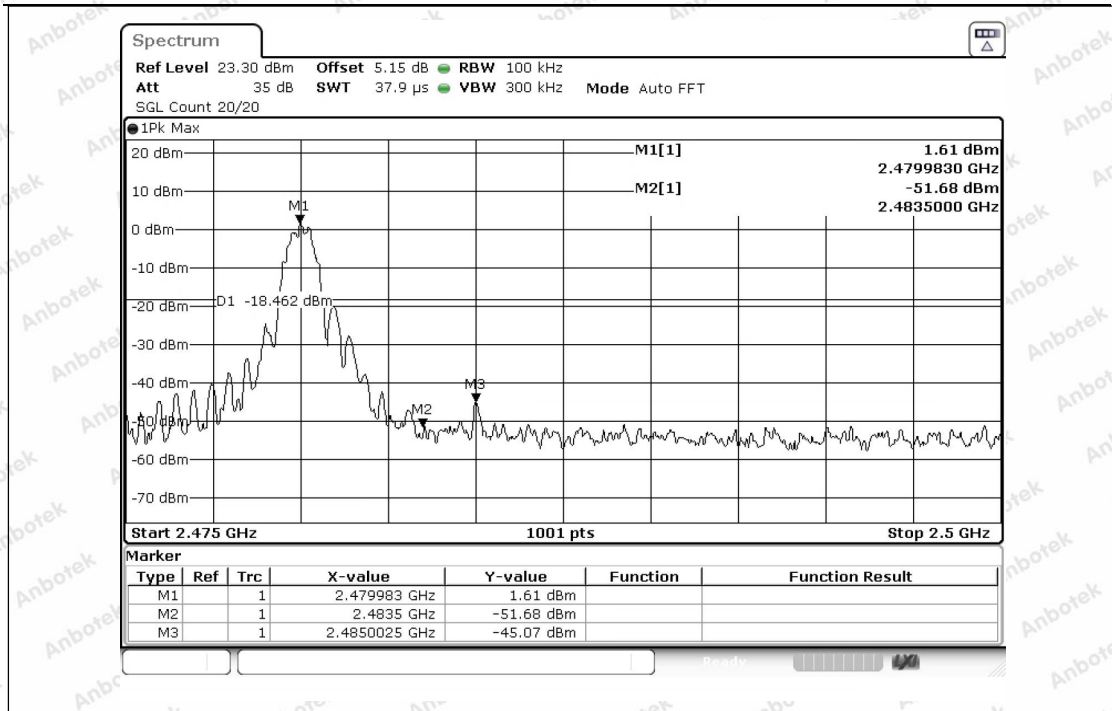
### Test Graphs





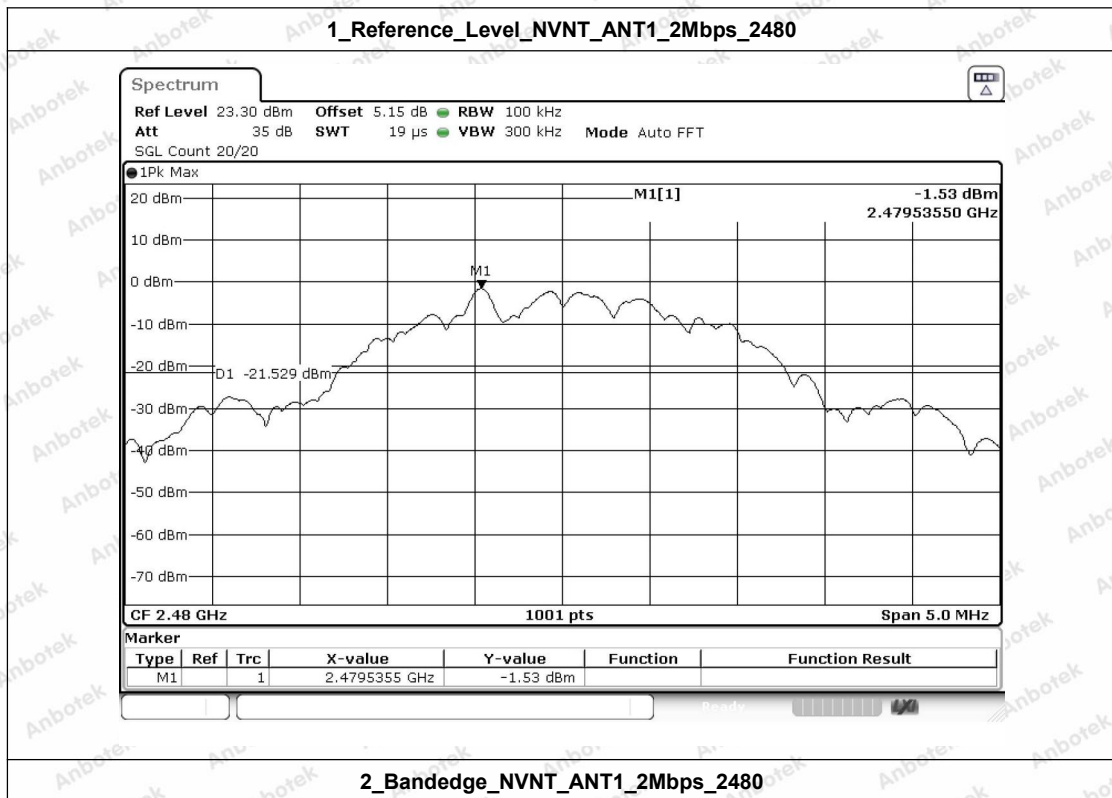
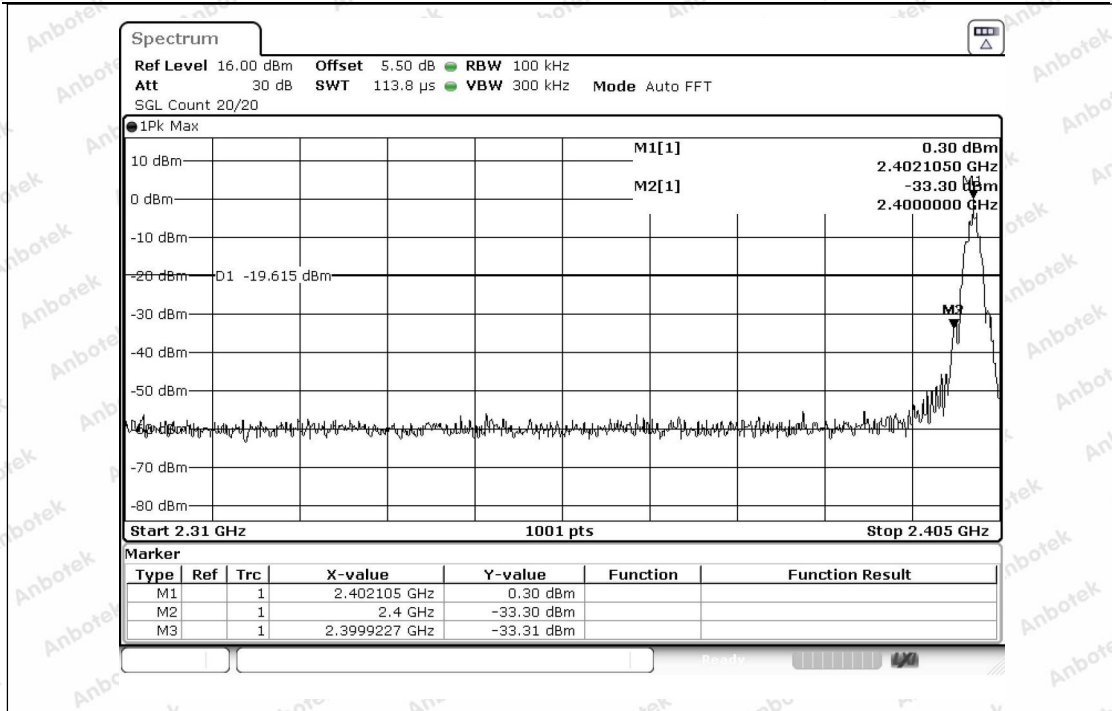
**2\_Bandedge\_NVNT\_ANT1\_1Mbps\_2480**





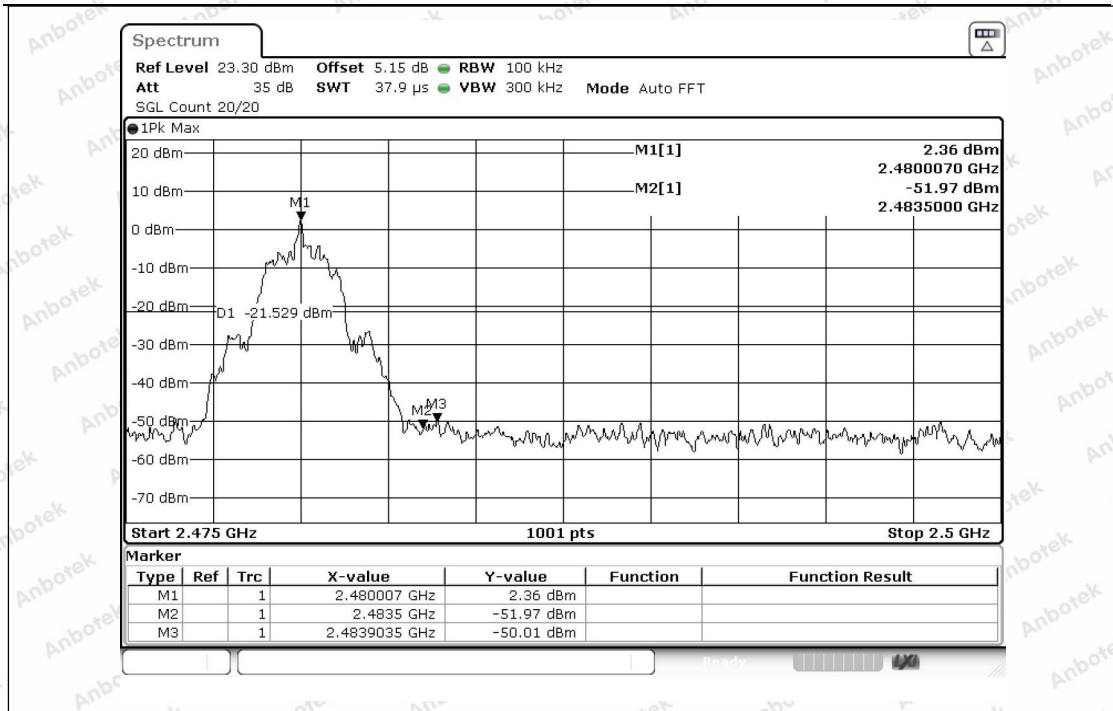
**2\_Bandedge\_NVNT\_ANT1\_2Mbps\_2402**





**2\_Bandedge\_NVNT\_ANT1\_2Mbps\_2480**





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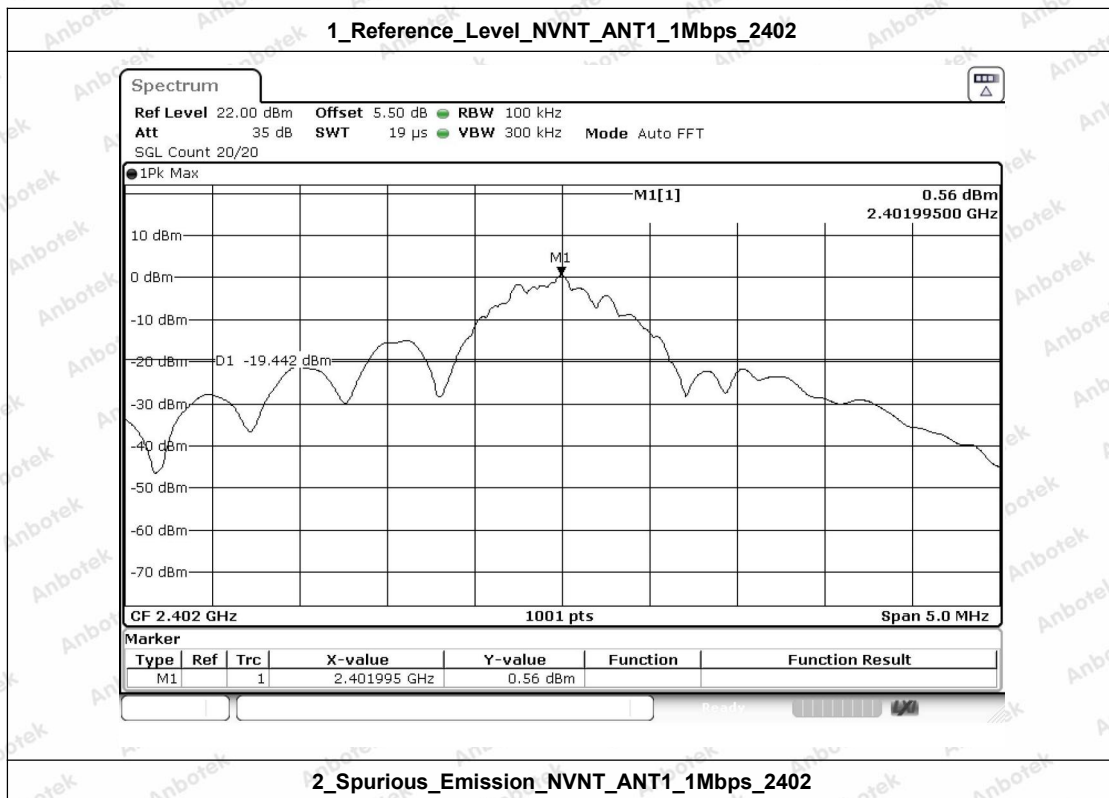


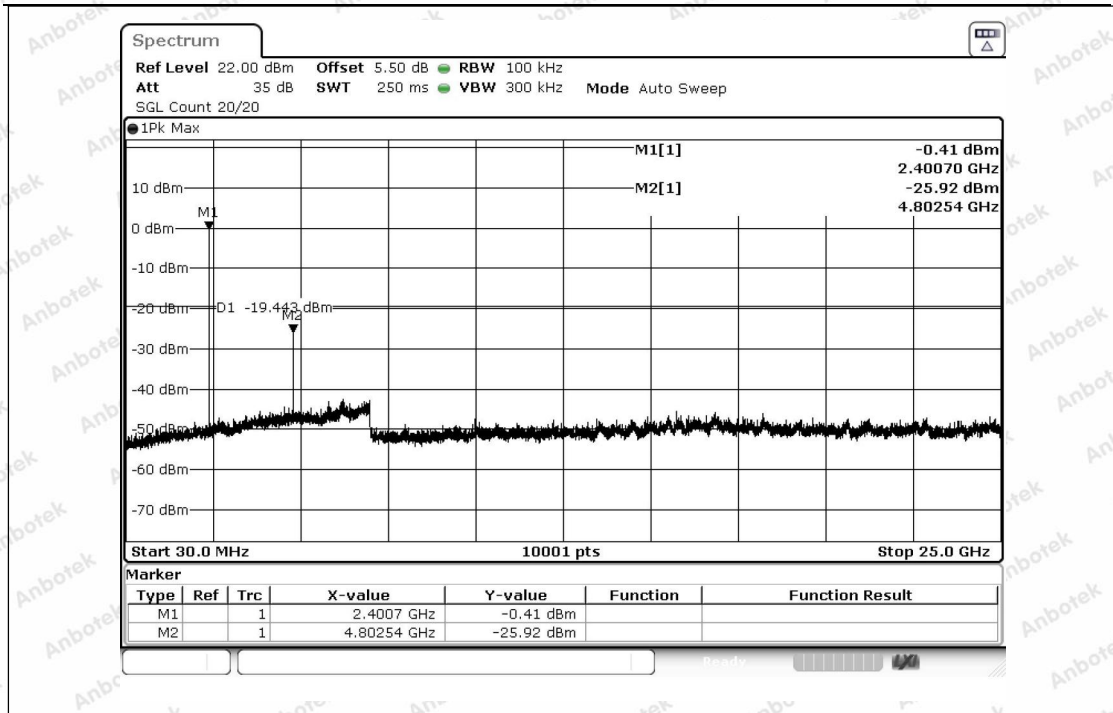
## Appendix F: Conducted Spurious Emission

### Test Result

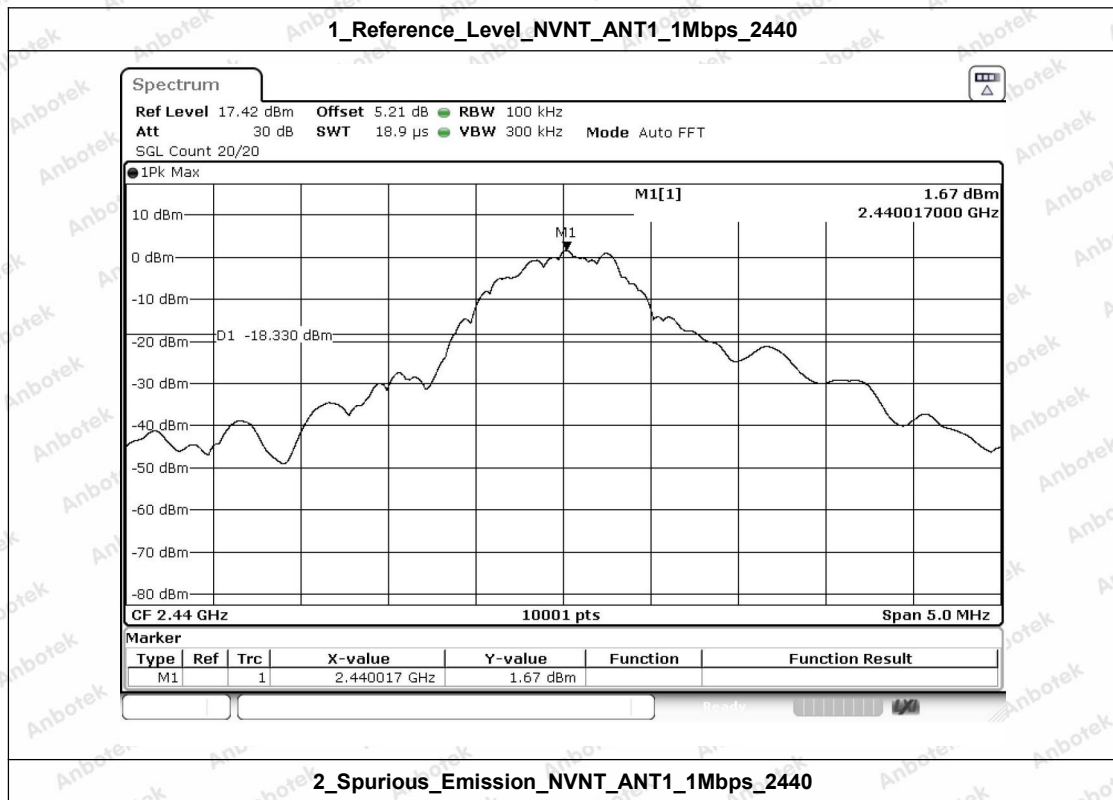
Condition	Antenna	Rate	TX_Frequency(MHz)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1Mbps	2402	-25.921	-19.443	Pass
NVNT	ANT1	1Mbps	2440	-23.292	-18.330	Pass
NVNT	ANT1	1Mbps	2480	-23.973	-18.462	Pass
NVNT	ANT1	2Mbps	2402	-27.942	-19.615	Pass
NVNT	ANT1	2Mbps	2440	-24.483	-21.502	Pass
NVNT	ANT1	2Mbps	2480	-27.661	-21.529	Pass

### Test Graphs



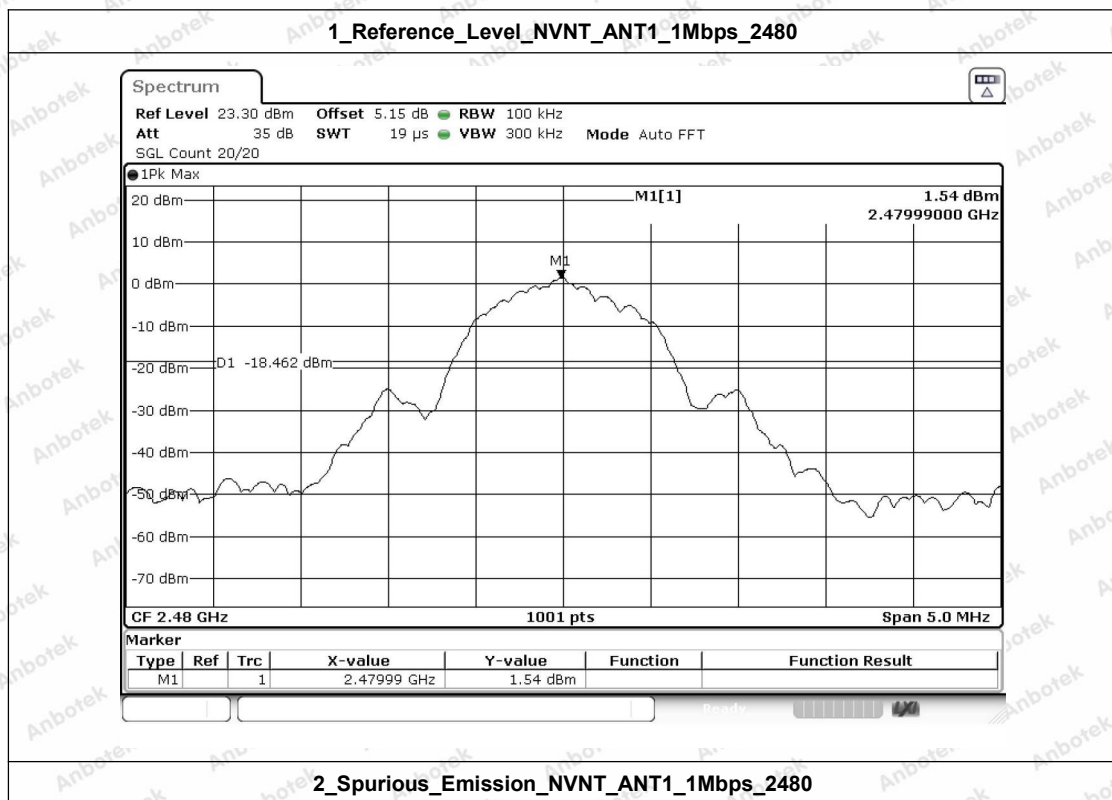
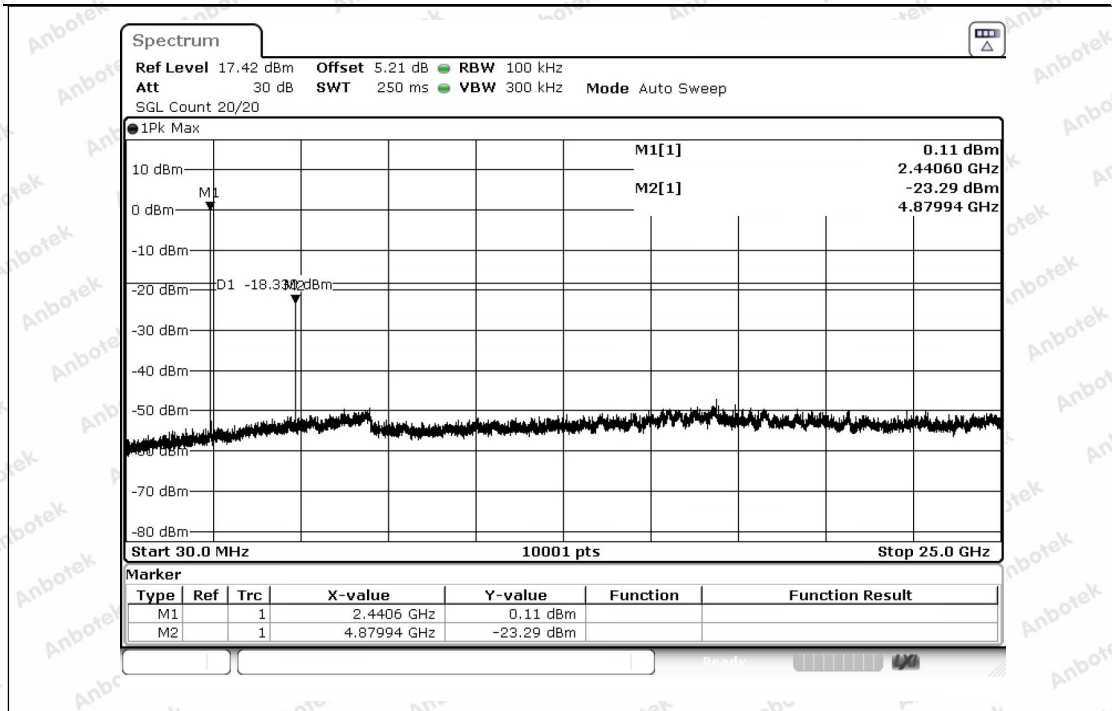


### 1\_Reference\_Level\_NVNT\_ANT1\_1Mbps\_2440



### 2\_Spurious\_Emission\_NVNT\_ANT1\_1Mbps\_2440

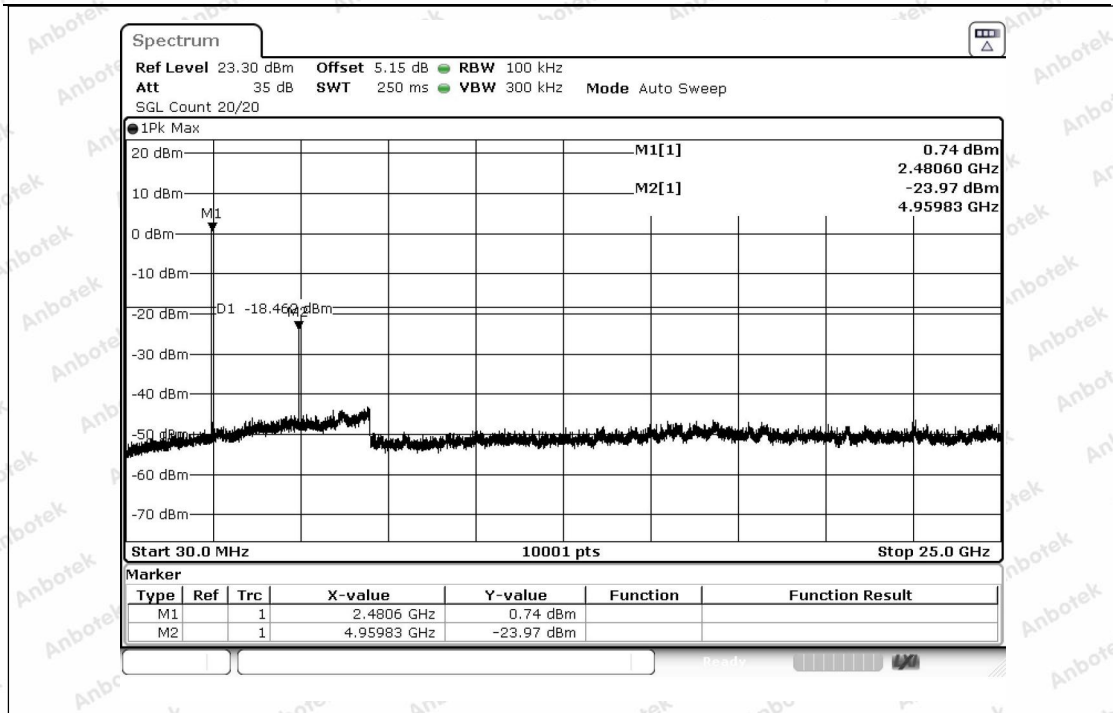




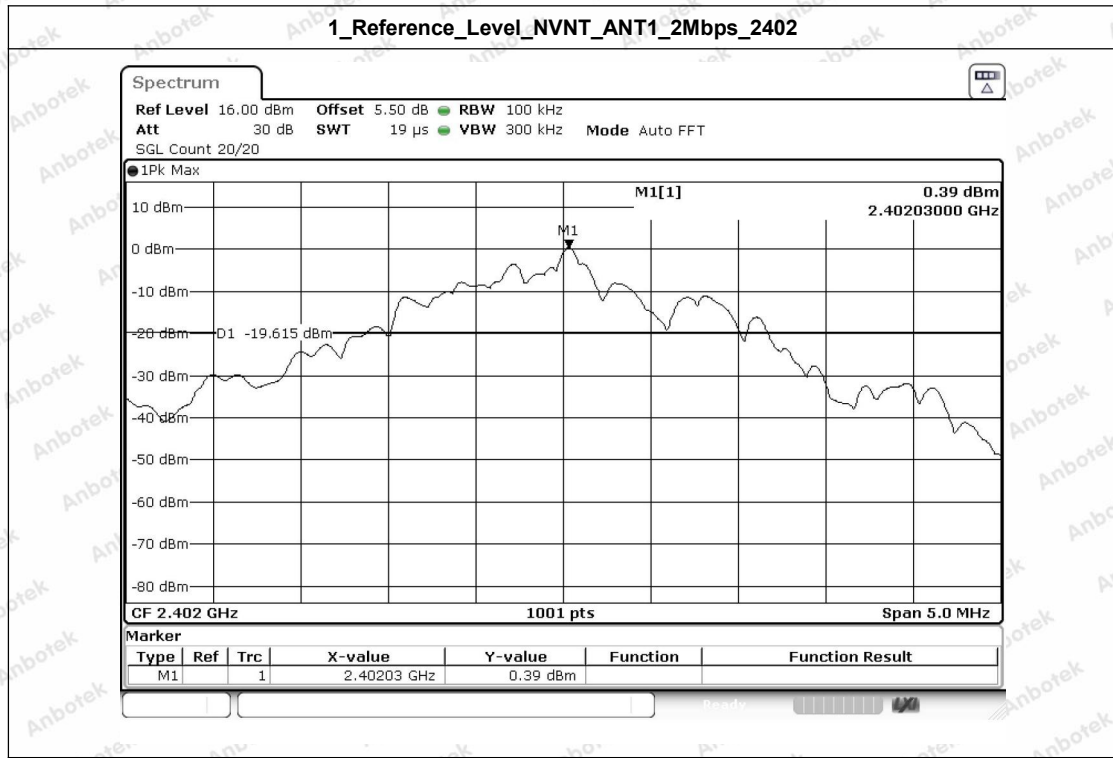
**2\_Spurious\_Emission\_NVNT\_ANT1\_1Mbps\_2480**





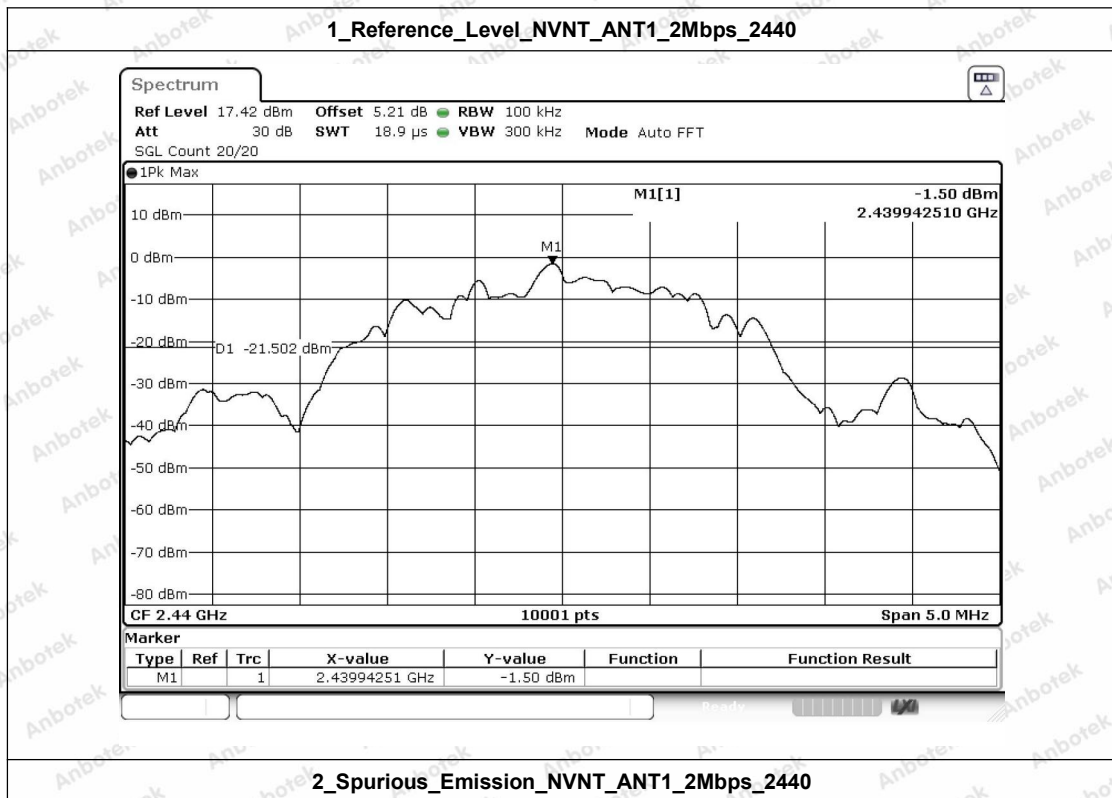
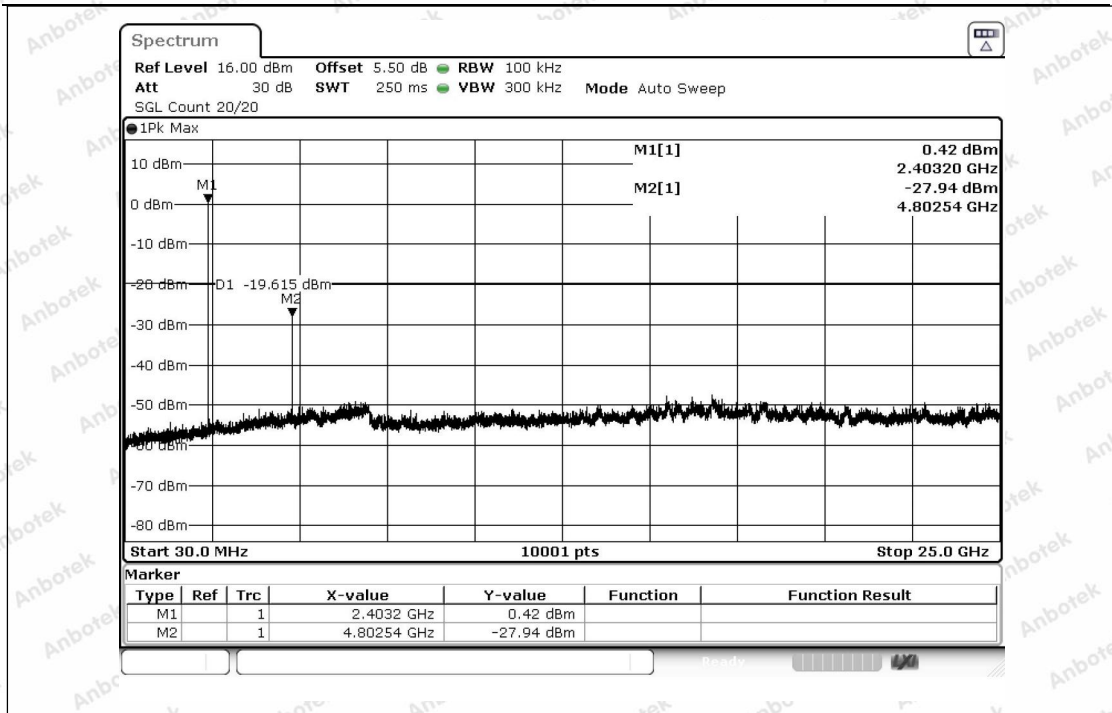


### 1\_Reference\_Level\_NVNT\_ANT1\_2Mbps\_2402



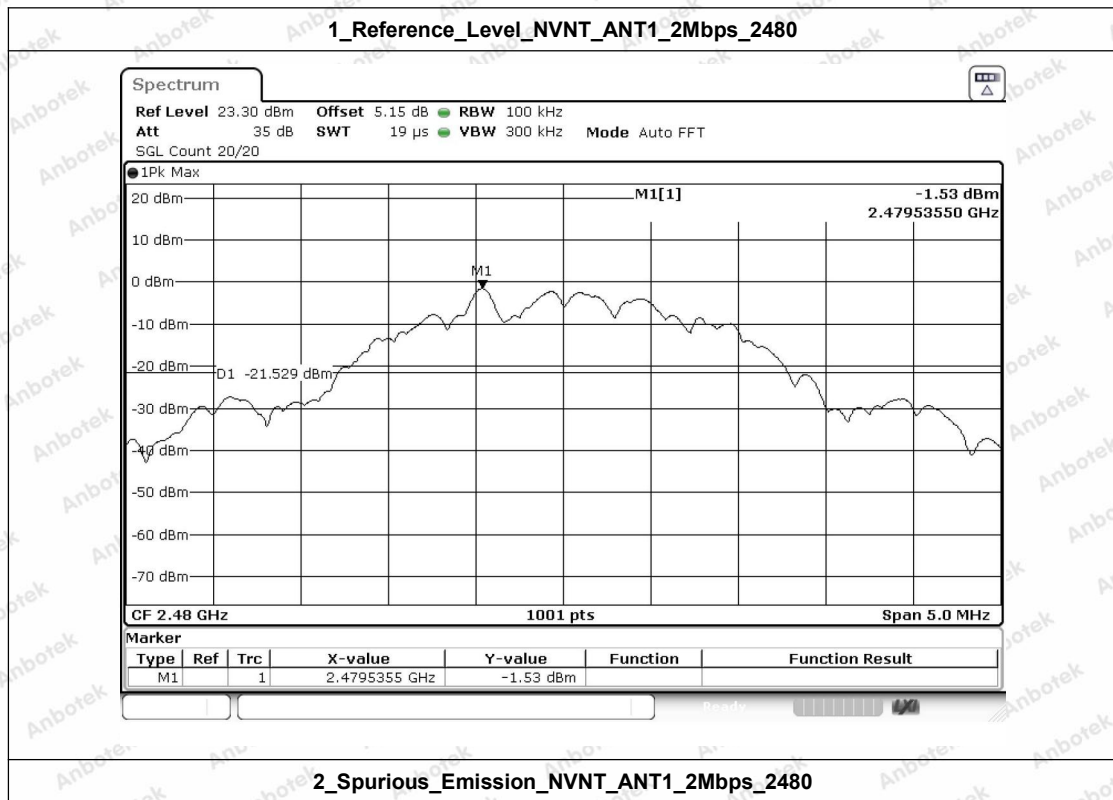
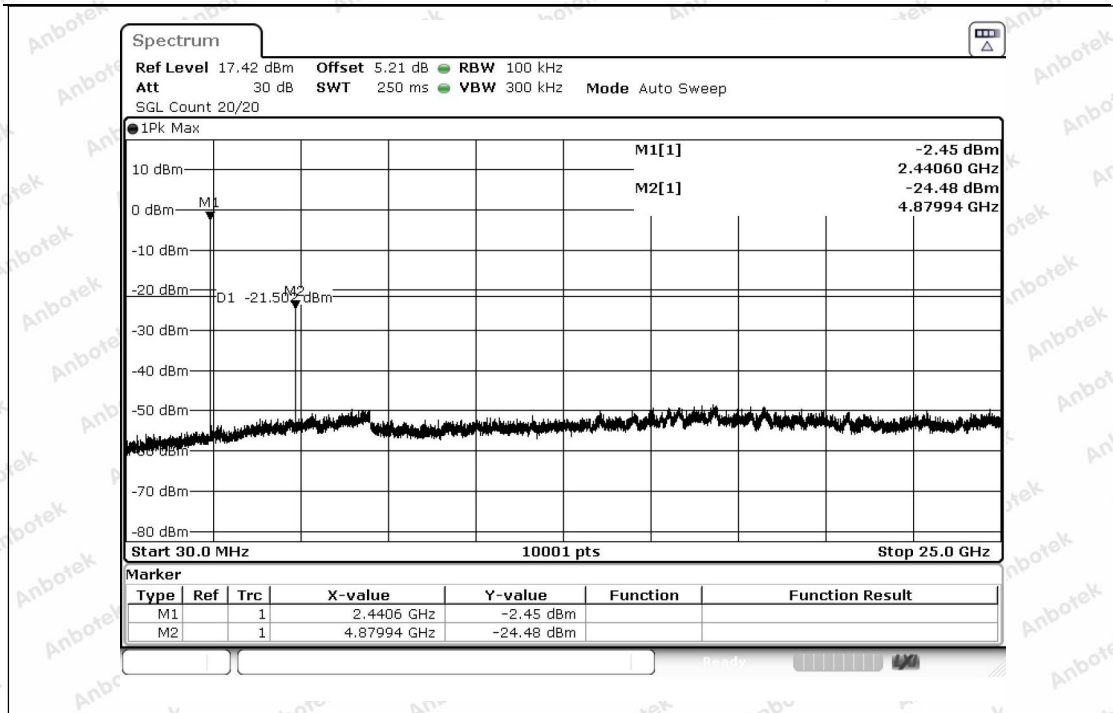
### 2\_Spurious\_Emission\_NVNT\_ANT1\_2Mbps\_2402





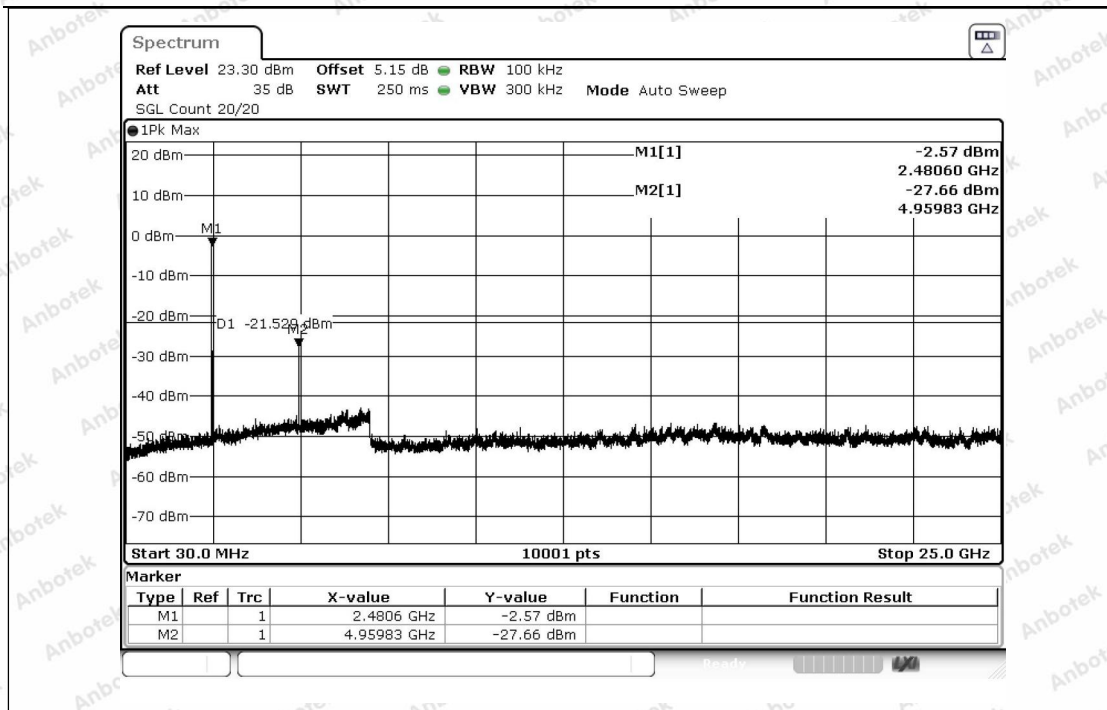
**2\_Spurious\_Emission\_NVNT\_ANT1\_2Mbps\_2440**





**2\_Spurious\_Emission\_NVNT\_ANT1\_2Mbps\_2480**





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