

Appendix Test Data

Report No.:	18220WC40049201	Test Sample No.:	1-2-2
Start Test Date:	2024.3.20	Finish Test Date:	2024.3.22
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24°C	Relative Humidity:	49%
Pressure:	101kPa		

Appendix A: -20dB Bandwidth

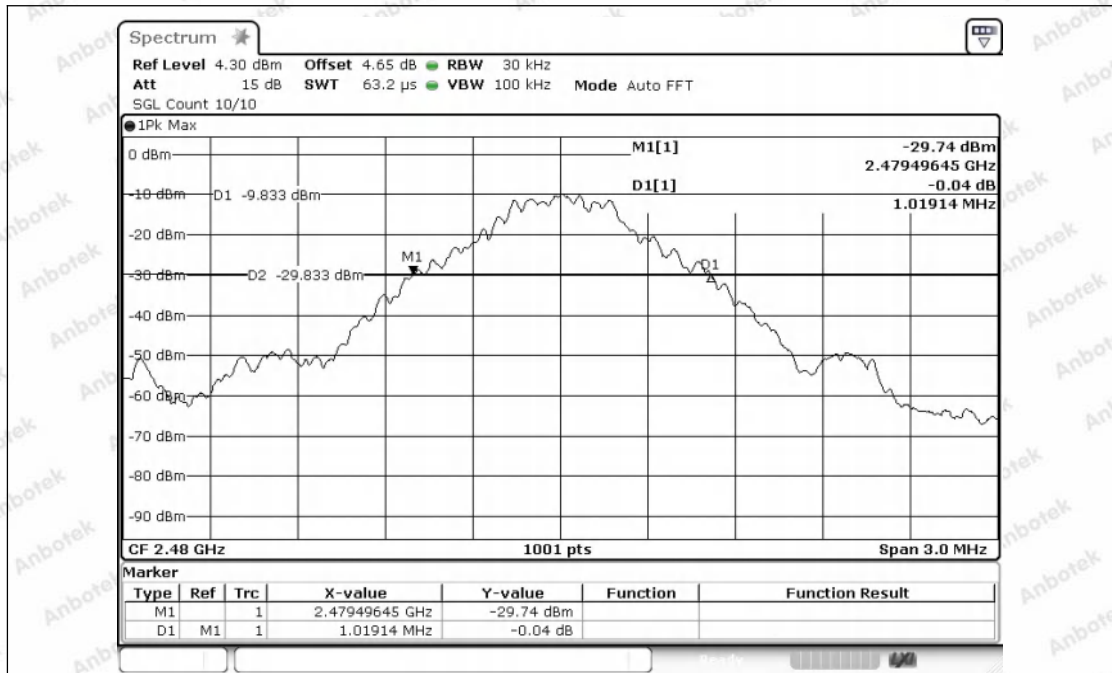
Test Result

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	1.019	Yes
NVNT	ANT1	1-DH5	2441.00	1.019	Yes
NVNT	ANT1	1-DH5	2480.00	1.019	Yes
NVNT	ANT1	2-DH5	2402.00	1.313	Yes
NVNT	ANT1	2-DH5	2441.00	1.289	Yes
NVNT	ANT1	2-DH5	2480.00	1.289	Yes

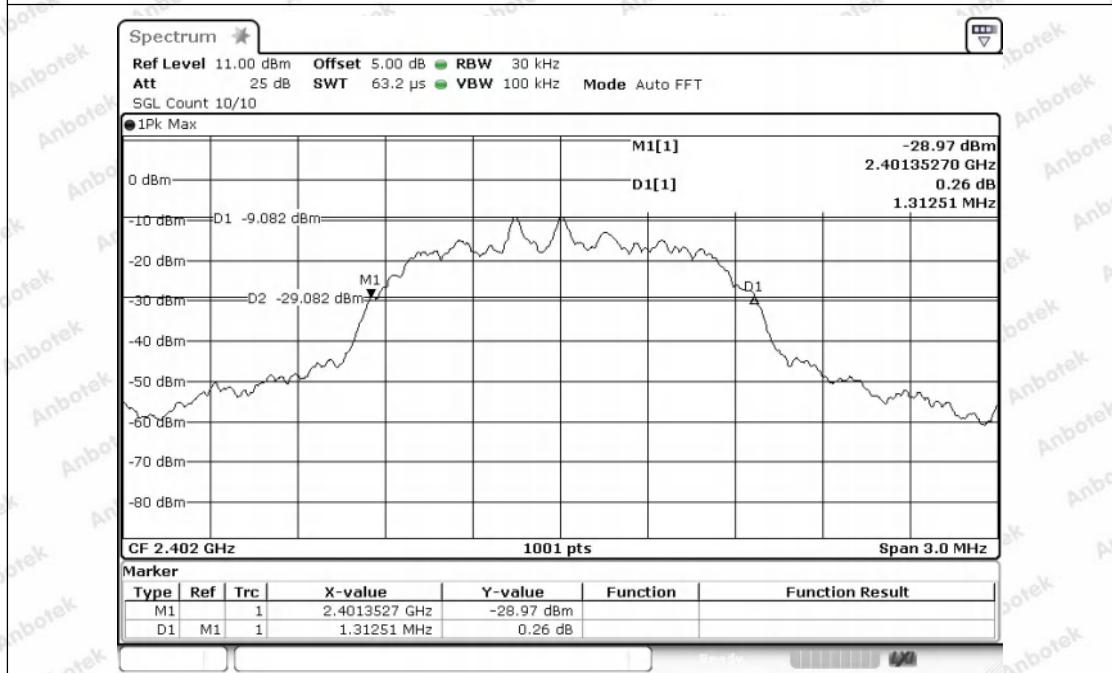


Test Graphs



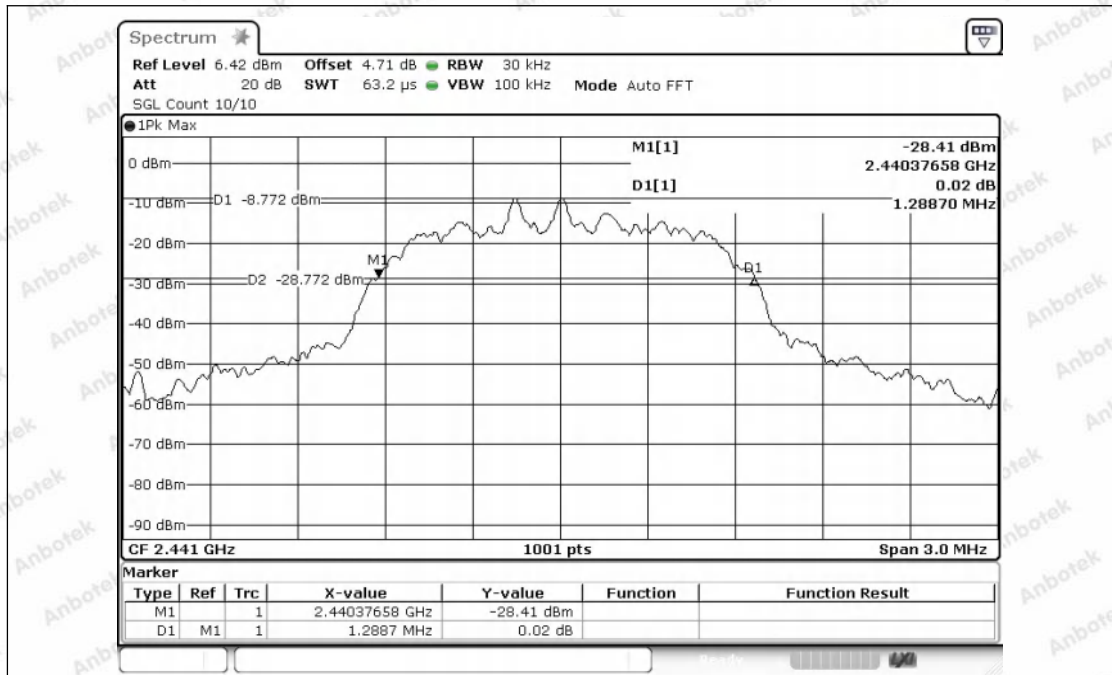


-20dB_Bandwidth_NVNT_ANT1_2-DH5_2402

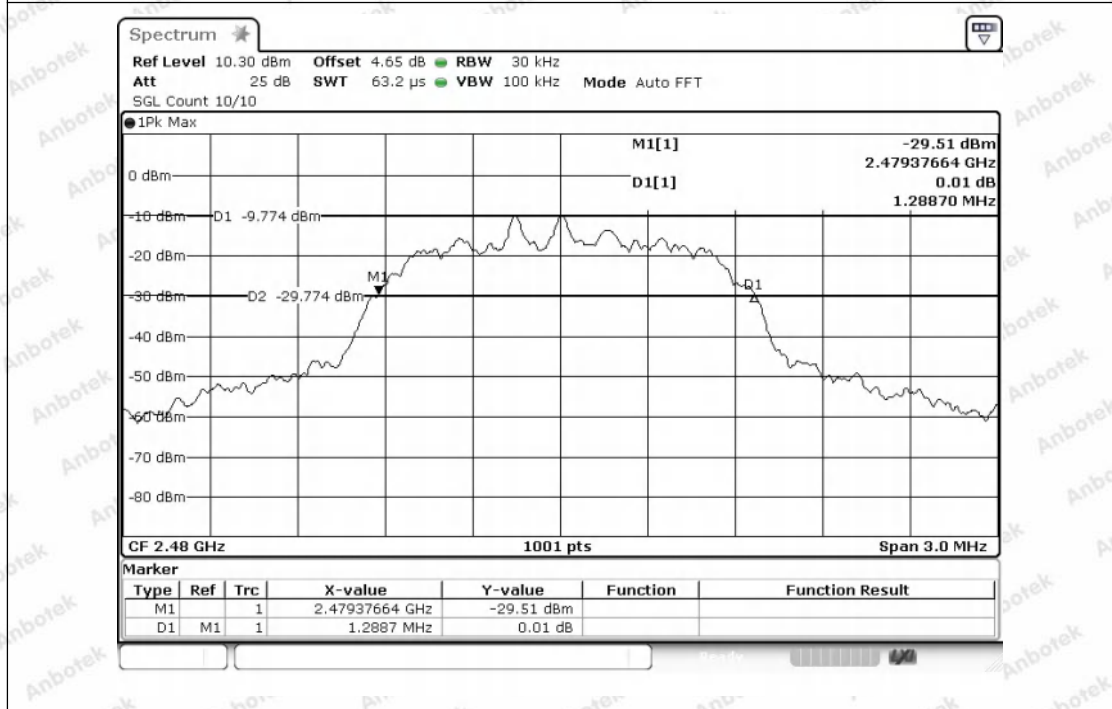


-20dB_Bandwidth_NVNT_ANT1_2-DH5_2441





-20dB_Bandwidth_NVNT_ANT1_2-DH5_2480



Appendix B: 99% Occupied Bandwidth

Test Result

Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1-DH5	2402.00	0.905
NVNT	ANT1	1-DH5	2441.00	0.905
NVNT	ANT1	1-DH5	2480.00	0.908
NVNT	ANT1	2-DH5	2402.00	1.187
NVNT	ANT1	2-DH5	2441.00	1.193
NVNT	ANT1	2-DH5	2480.00	1.193

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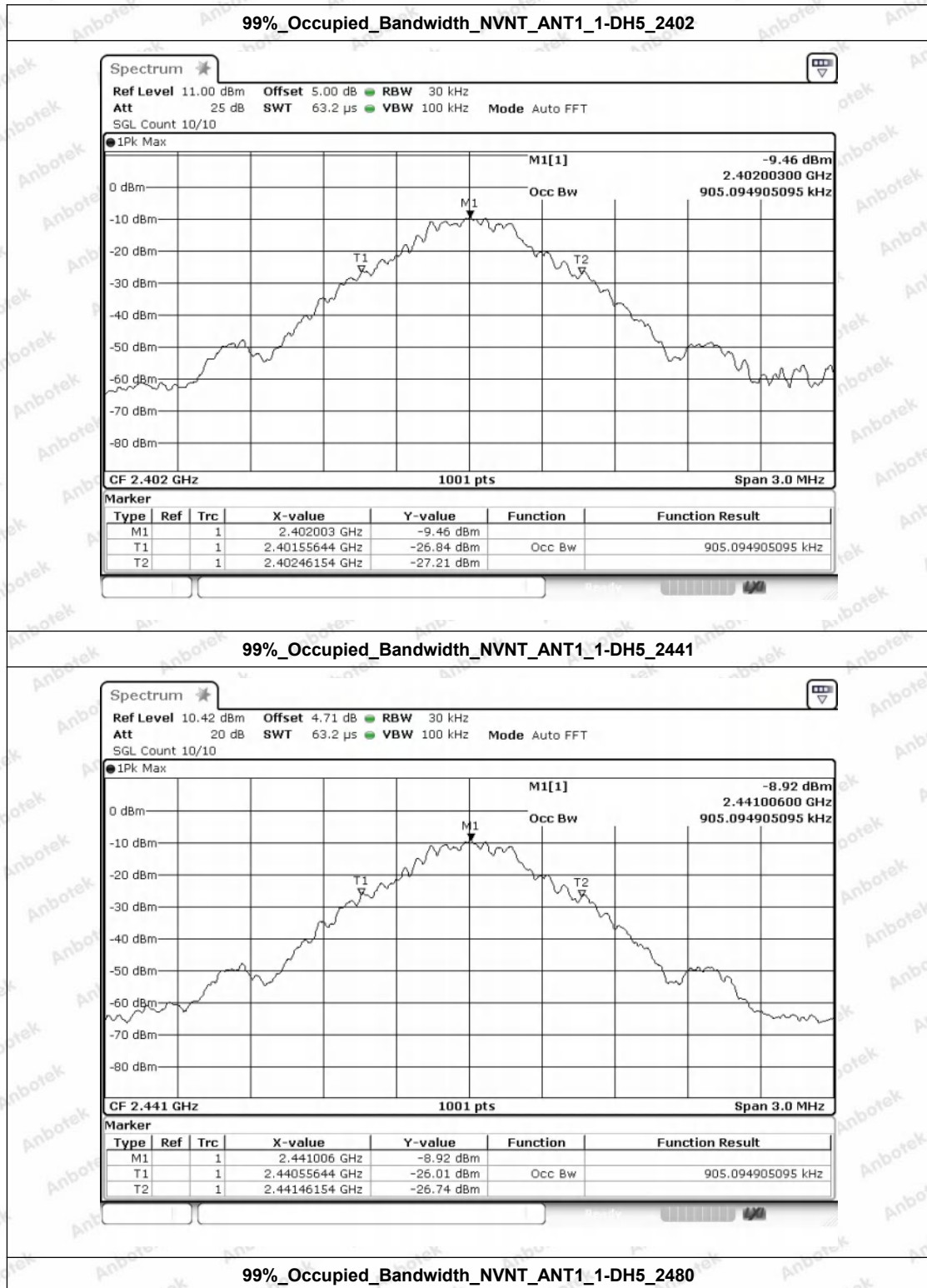
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

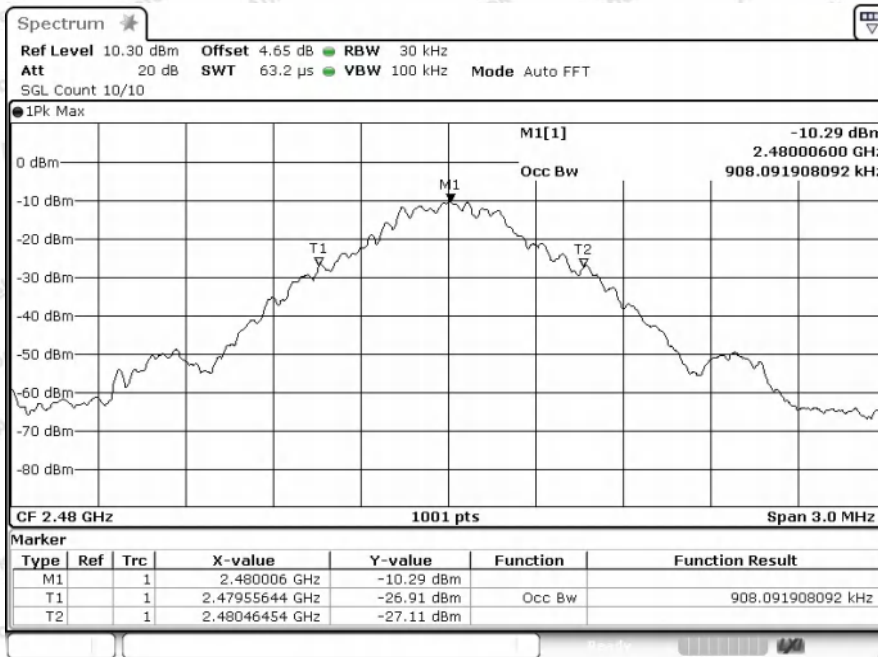


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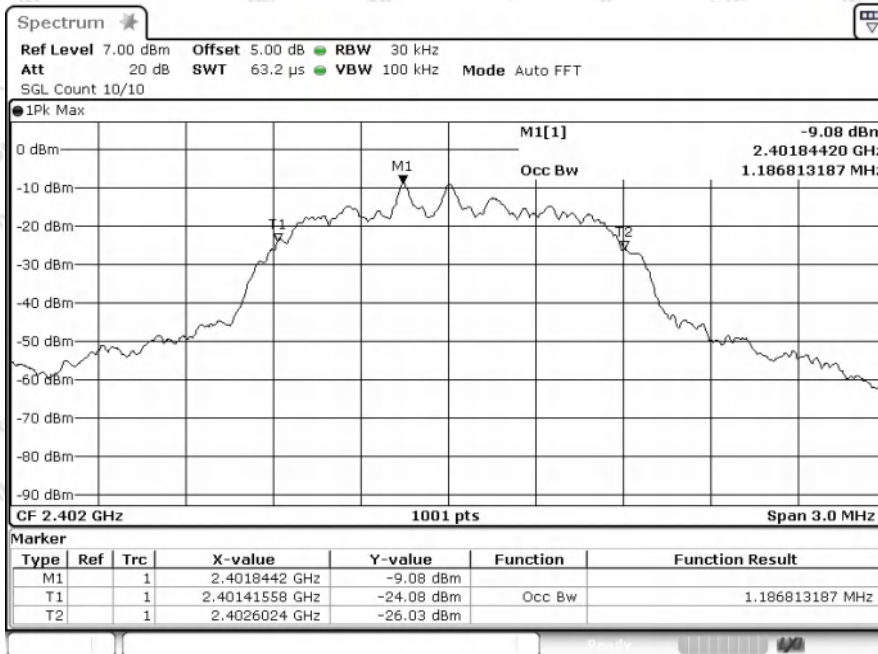


Test Graphs



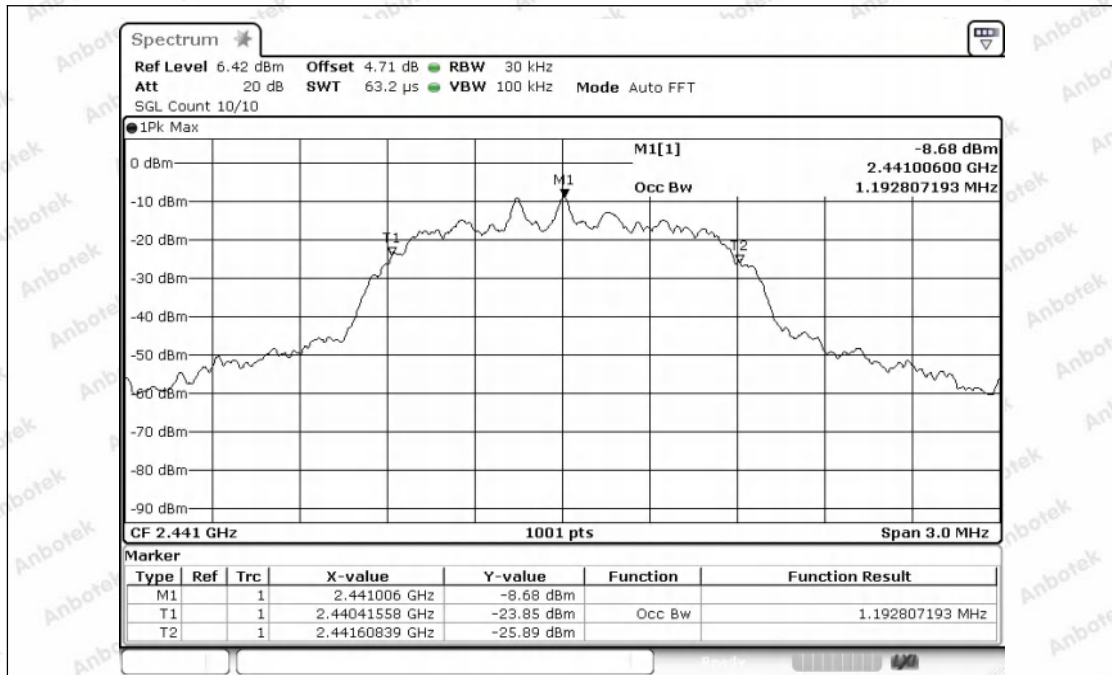


99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2402

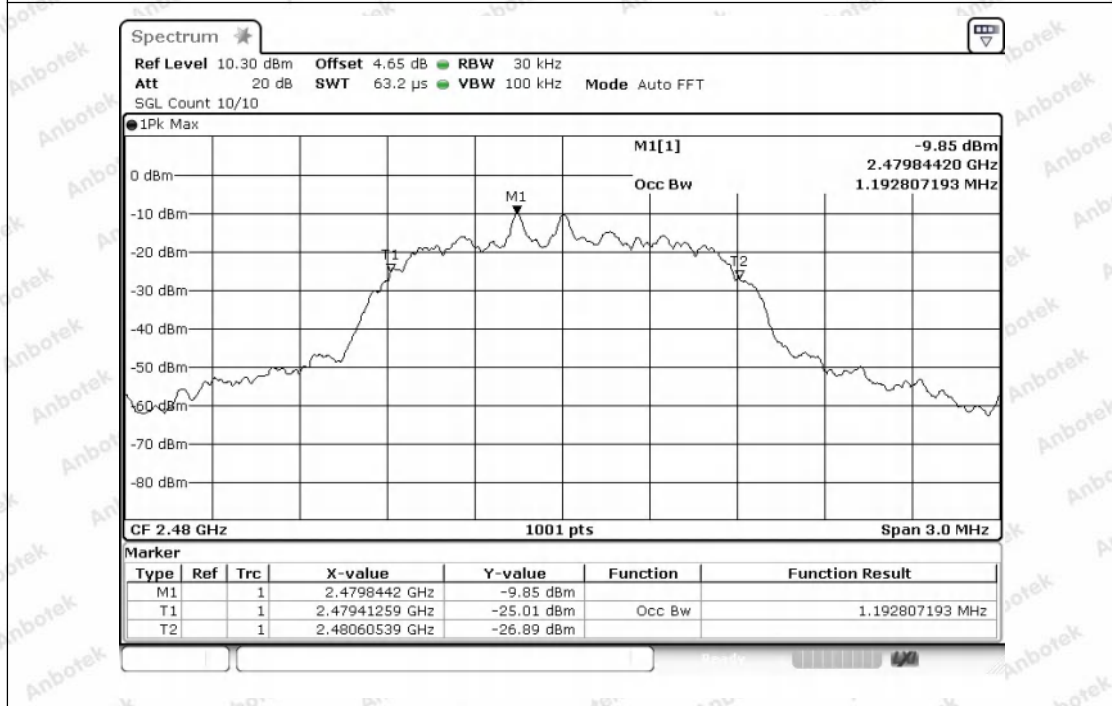


99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2441





99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2480



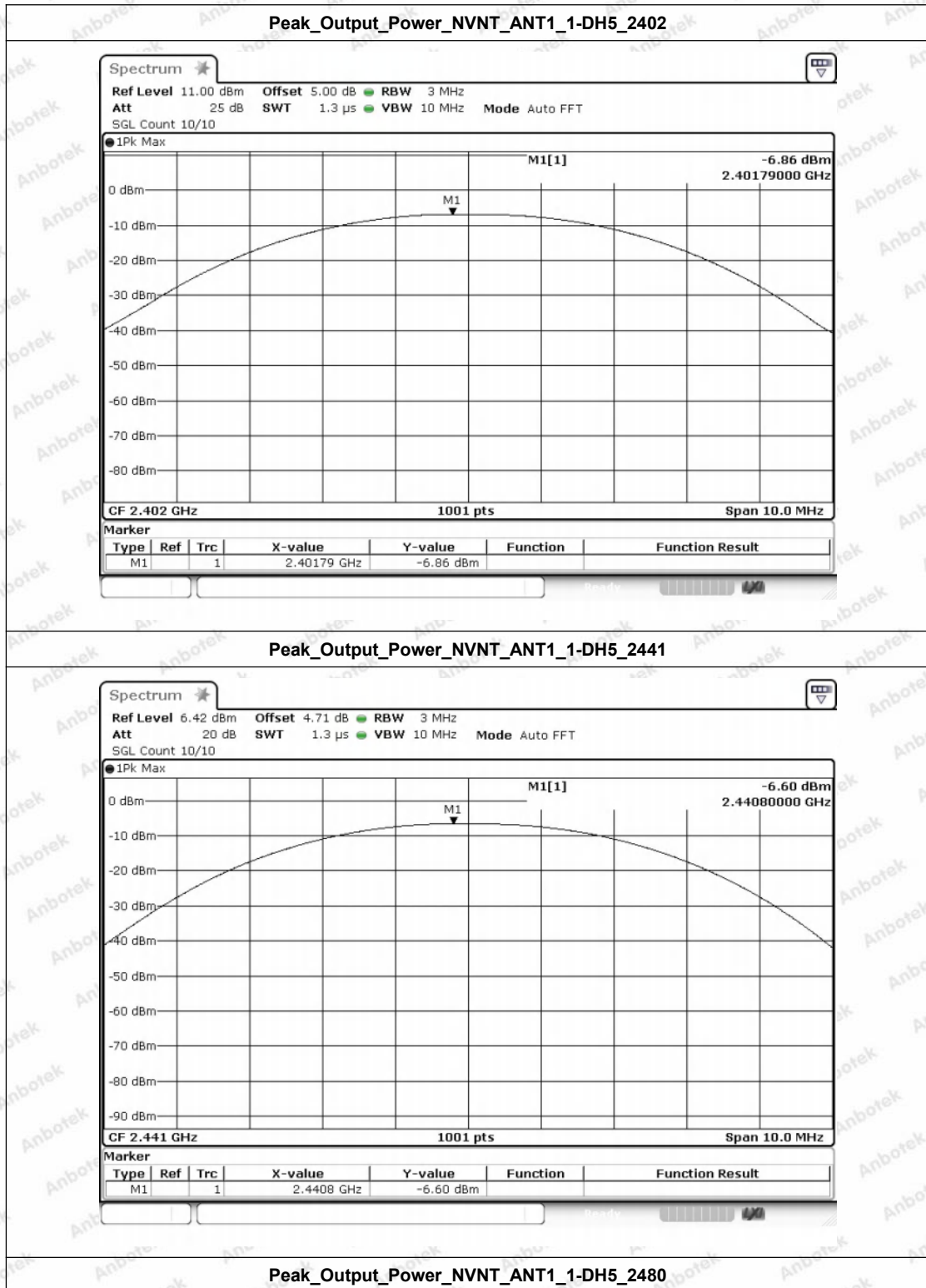
Appendix C: Peak Output Power

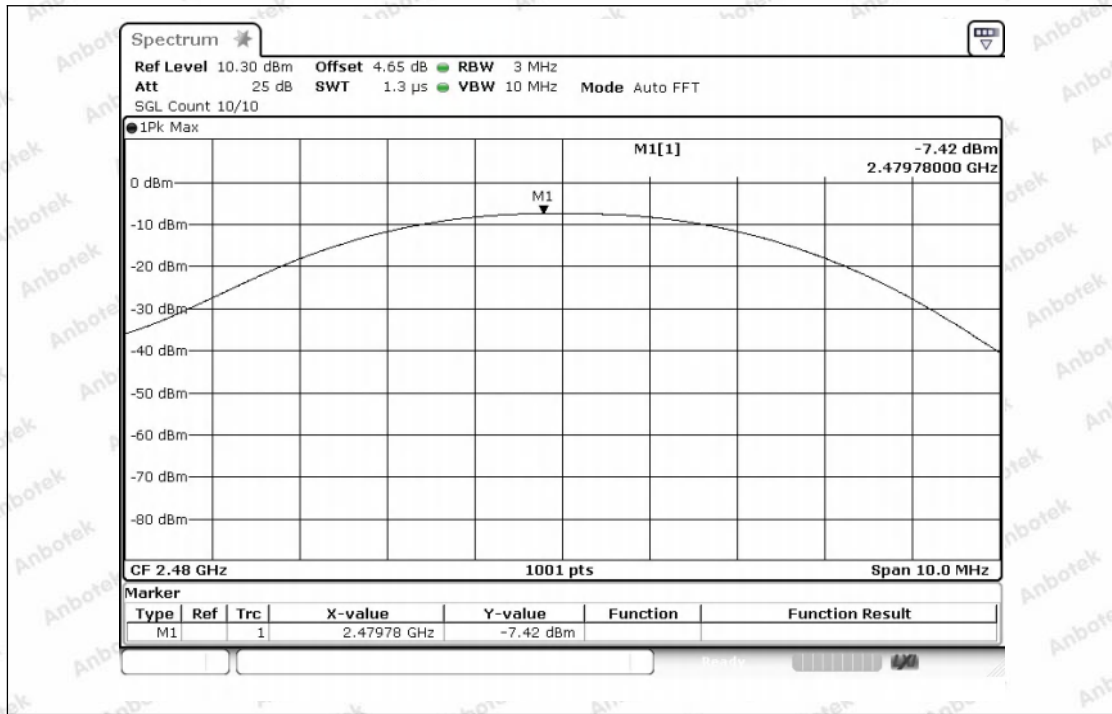
Test Result Peak

Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH5	2402.00	-6.86	0.21	125	Pass
NVNT	ANT1	1-DH5	2441.00	-6.60	0.22	125	Pass
NVNT	ANT1	1-DH5	2480.00	-7.42	0.18	125	Pass
NVNT	ANT1	2-DH5	2402.00	-5.80	0.26	125	Pass
NVNT	ANT1	2-DH5	2441.00	-5.60	0.28	125	Pass
NVNT	ANT1	2-DH5	2480.00	-6.70	0.21	125	Pass

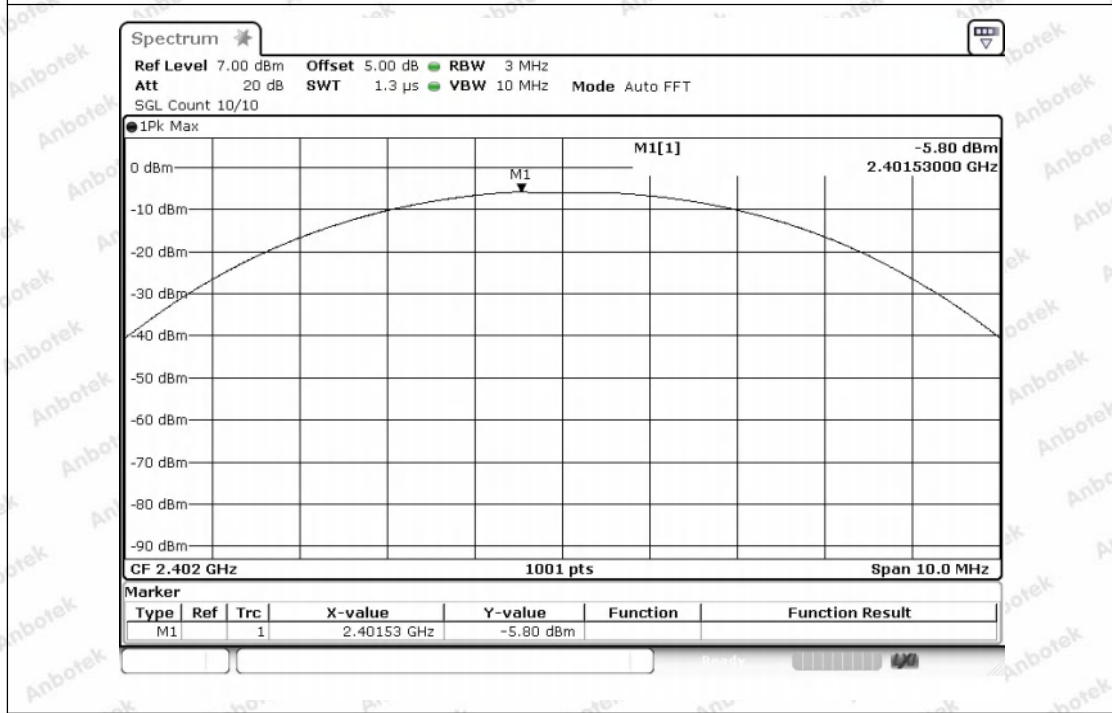


Test Graphs Peak



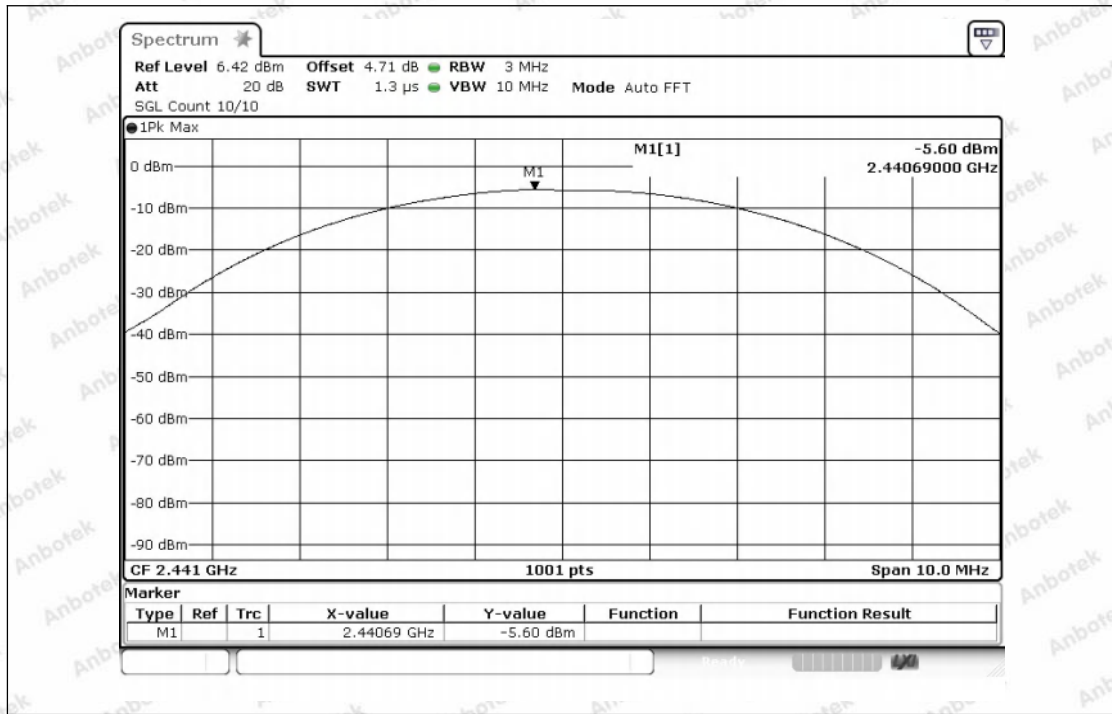


Peak_Output_Power_NVNT_ANT1_2-DH5_2402

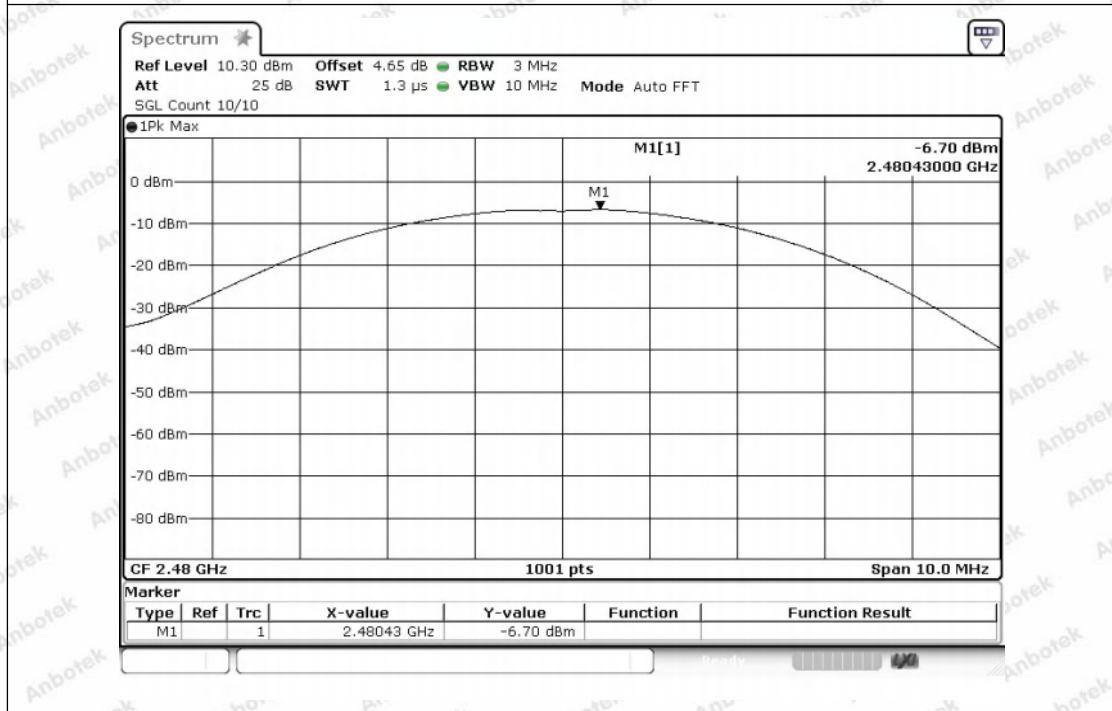


Peak_Output_Power_NVNT_ANT1_2-DH5_2441





Peak_Output_Power_NVNT_ANT1_2-DH5_2480



Appendix D: Spurious Emissions

Test Result

Condition	Antenna	Modulation	TX Mode	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-48.667	-27.079	Pass
NVNT	ANT1	1-DH5	2441.00	-48.361	-26.772	Pass
NVNT	ANT1	1-DH5	2480.00	-51.100	-27.638	Pass
NVNT	ANT1	2-DH5	2402.00	-51.338	-26.849	Pass
NVNT	ANT1	2-DH5	2441.00	-50.552	-26.554	Pass
NVNT	ANT1	2-DH5	2480.00	-48.652	-27.590	Pass

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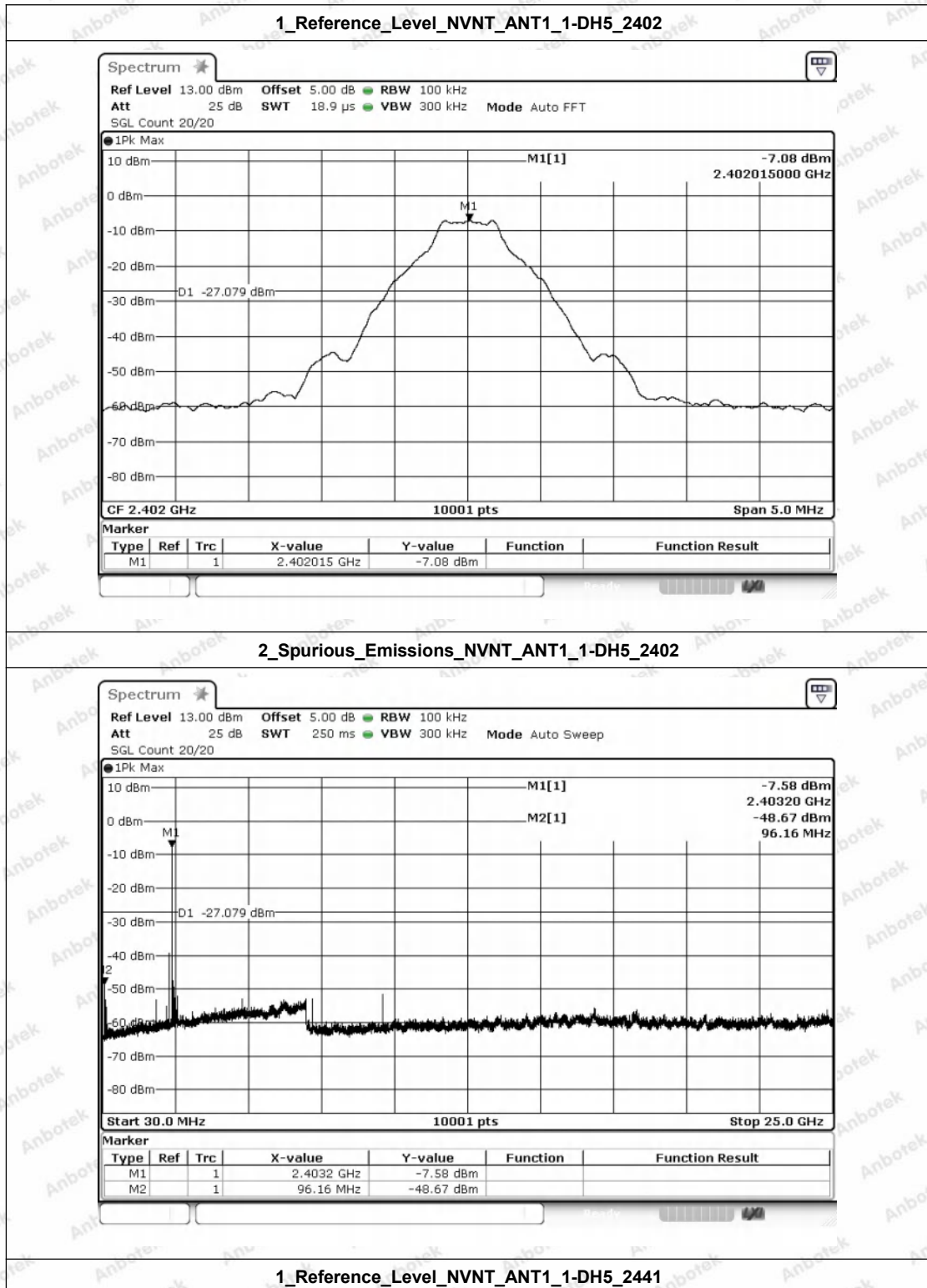
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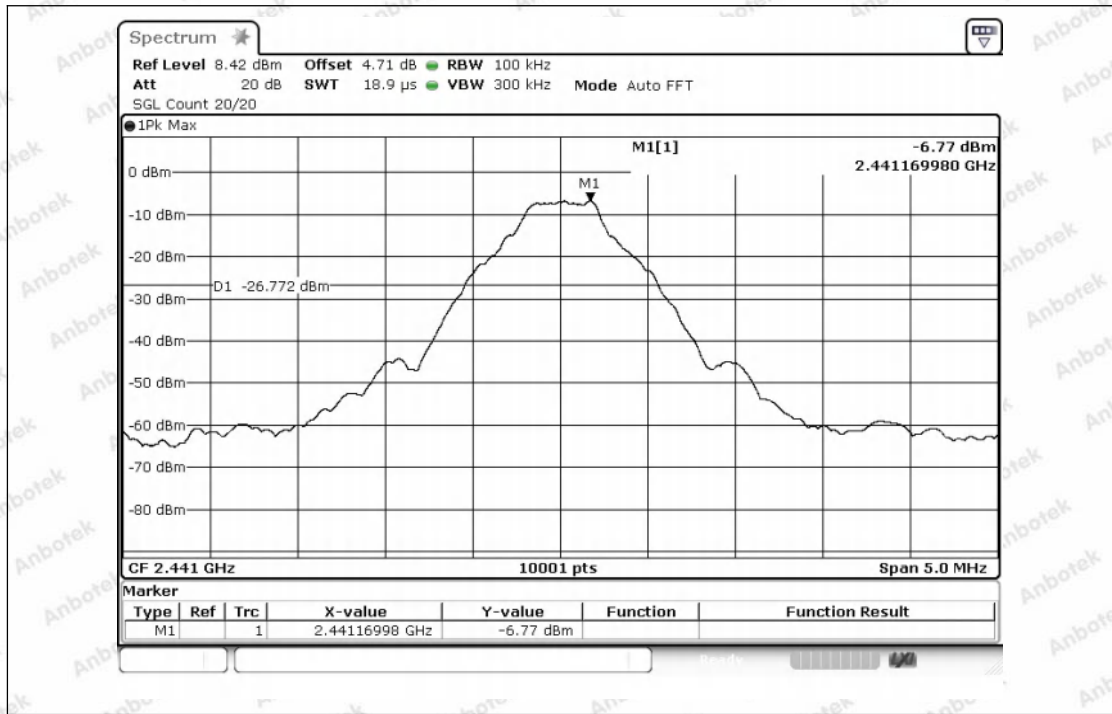


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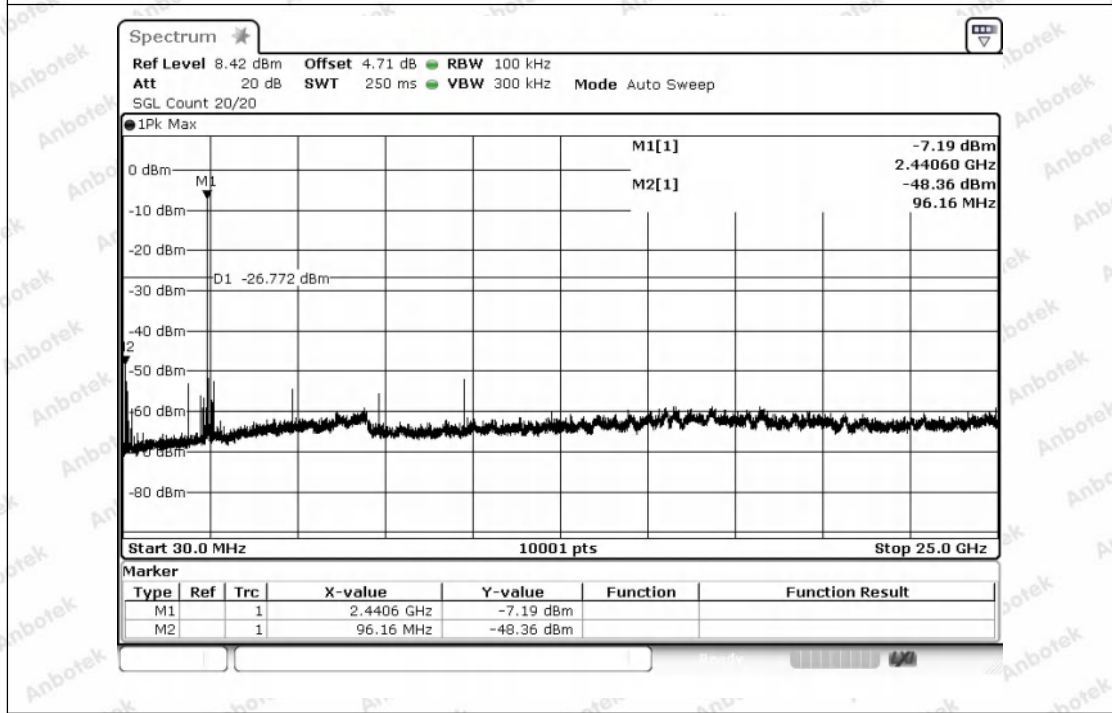


Test Graphs



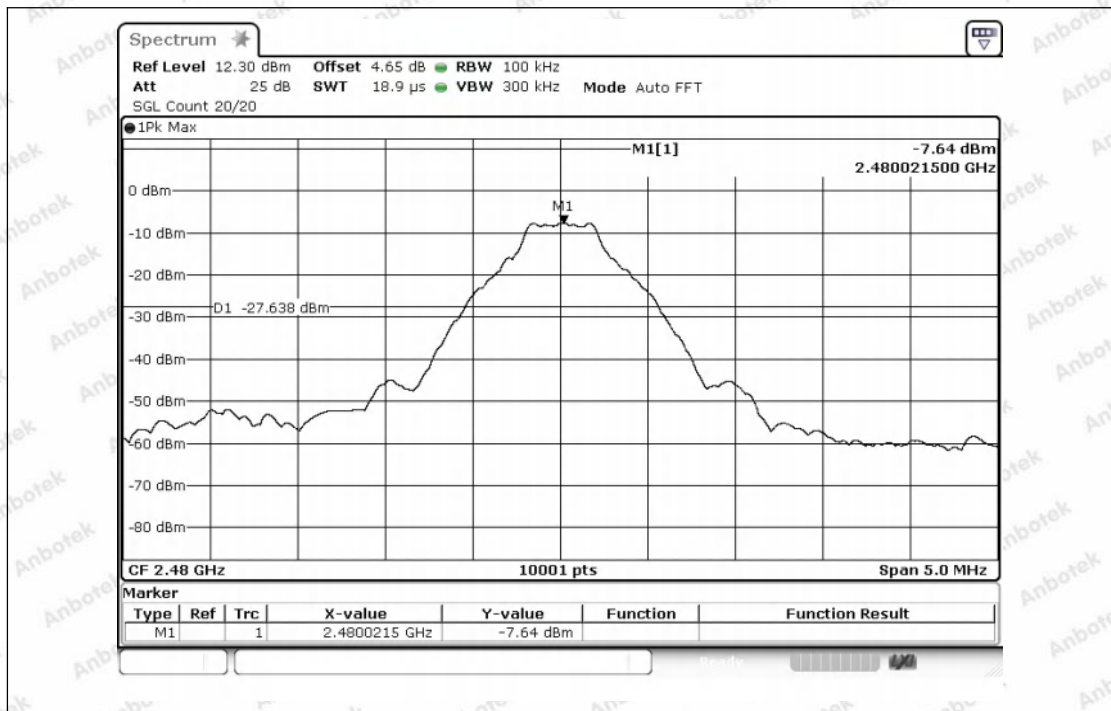


2_Spurious_Emissions_NVNT_ANT1_1-DH5_2441

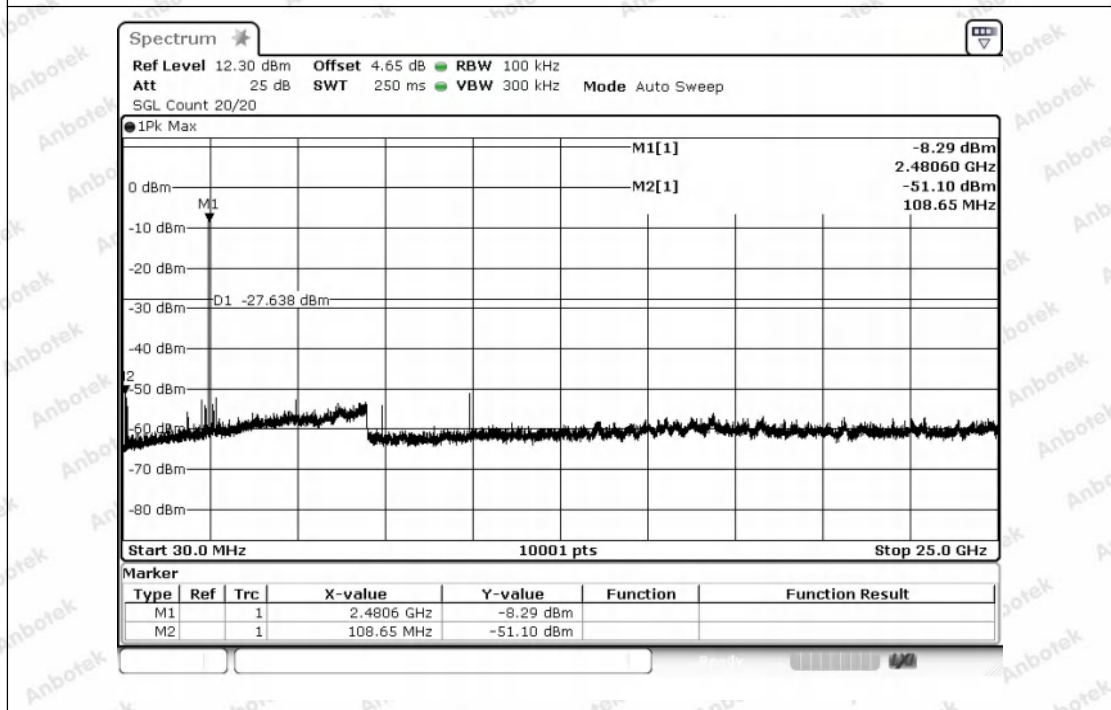


1_Reference_Level_NVNT_ANT1_1-DH5_2480



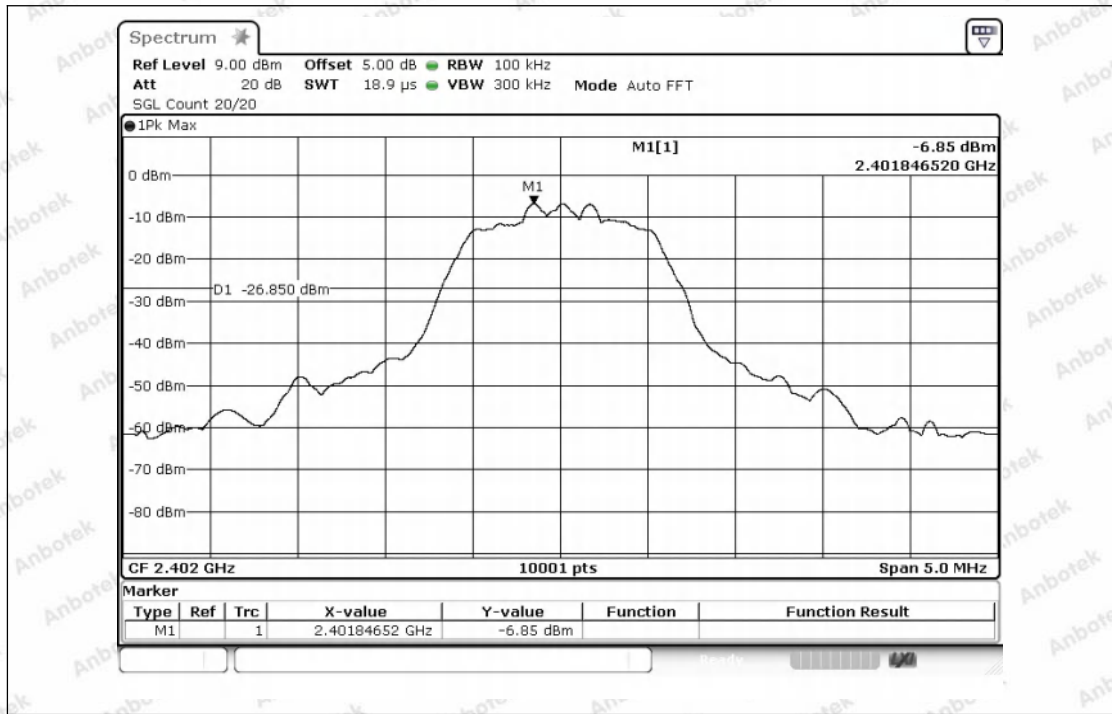


2_Spurious_Emissions_NVNT_ANT1_1-DH5_2480

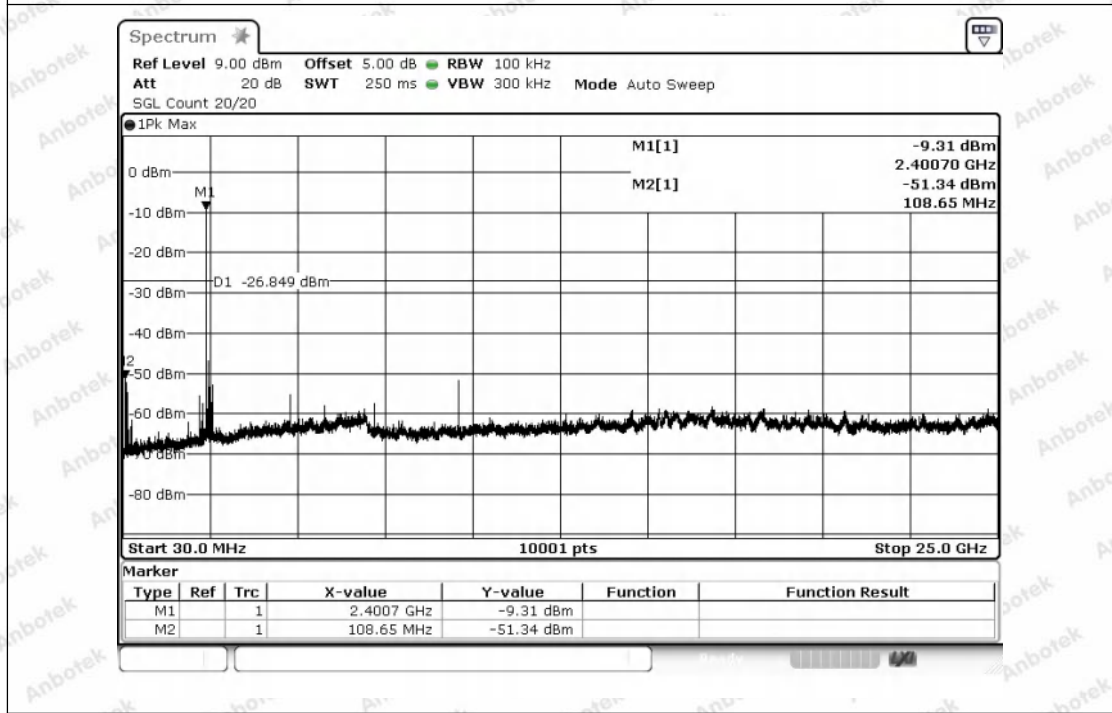


1_Reference_Level_NVNT_ANT1_2-DH5_2402



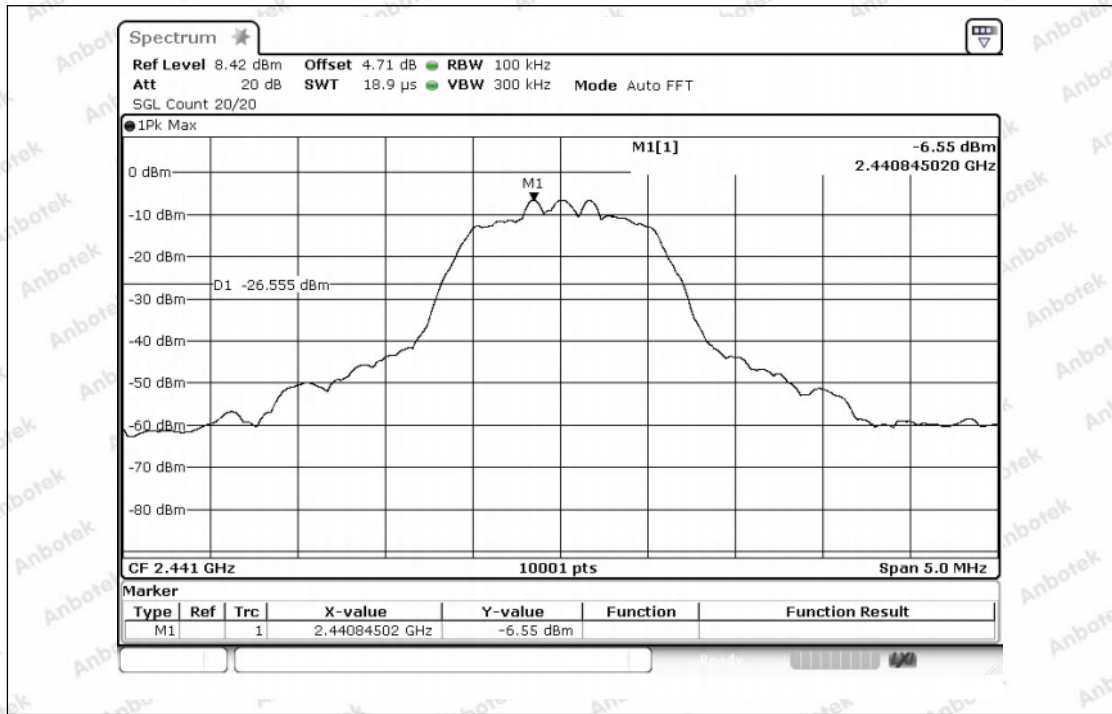


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2402

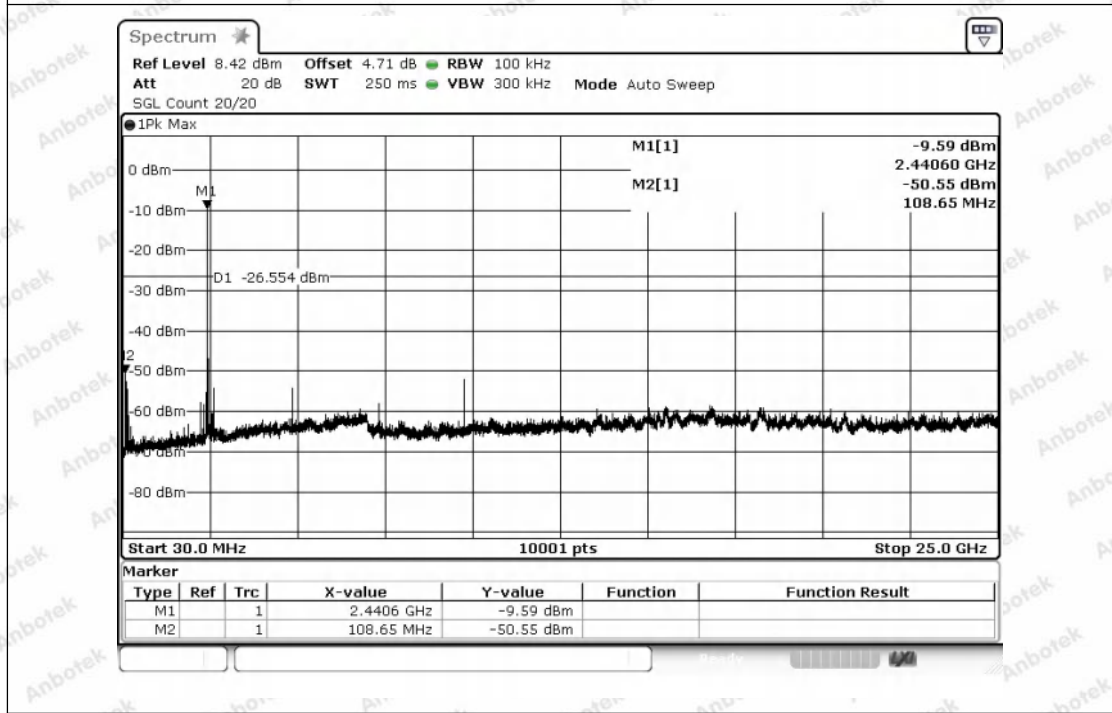


1_Reference_Level_NVNT_ANT1_2-DH5_2441



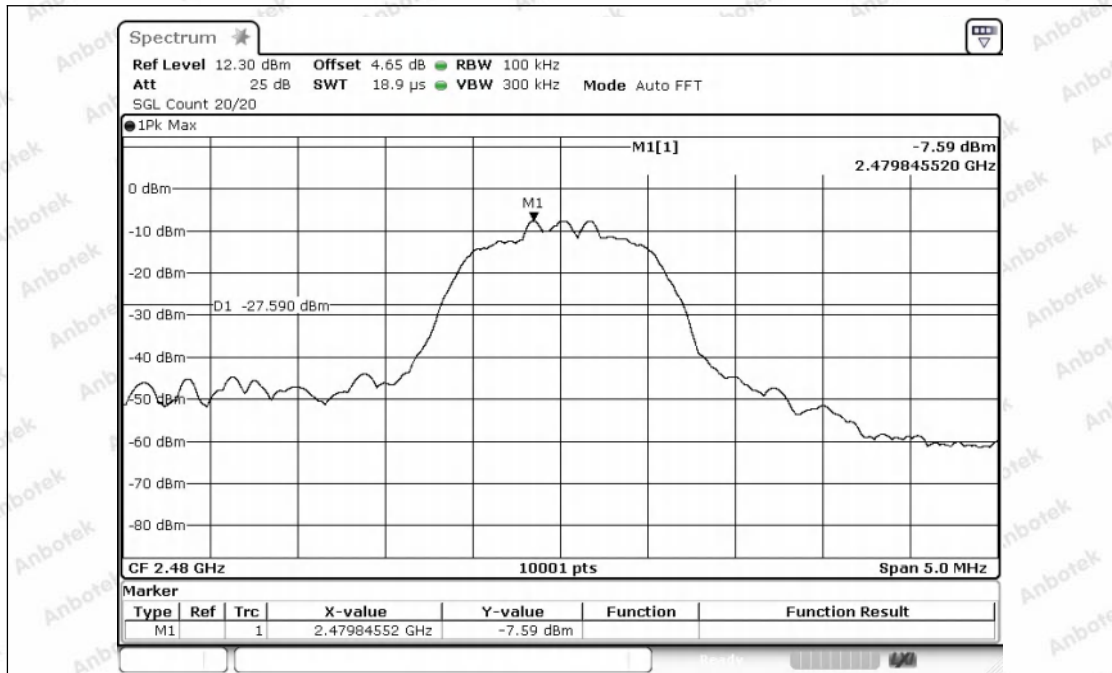


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2441

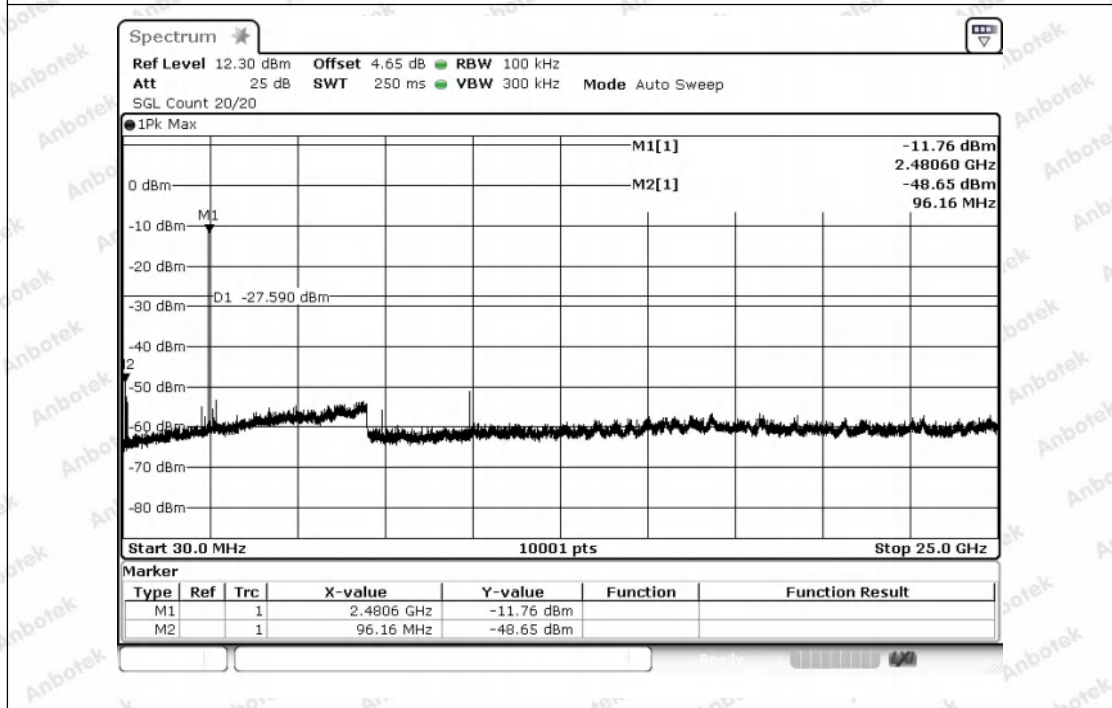


1_Reference_Level_NVNT_ANT1_2-DH5_2480





2_Spurious_Emissions_NVNT_ANT1_2-DH5_2480



Appendix E: Band edge

Test Result

Condition	Antenna	Modulation	TX Mode	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-59.950	-27.079	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	-58.532	-26.693	Pass
NVNT	ANT1	1-DH5	2480.00	-57.111	-27.635	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	-54.018	-26.854	Pass
NVNT	ANT1	2-DH5	2402.00	-59.410	-26.849	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	-58.597	-26.354	Pass
NVNT	ANT1	2-DH5	2480.00	-58.467	-27.590	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	-51.960	-26.511	Pass

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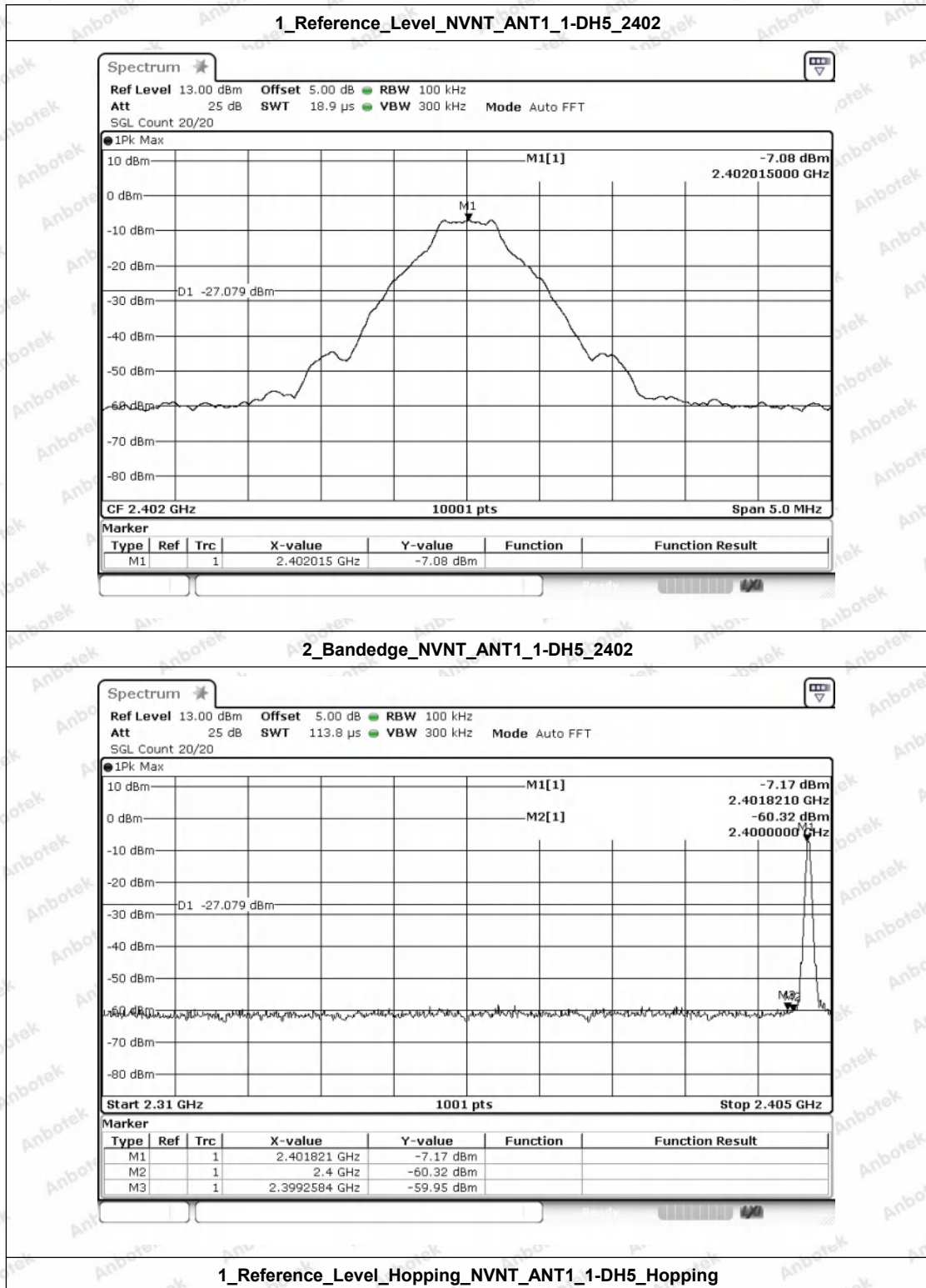
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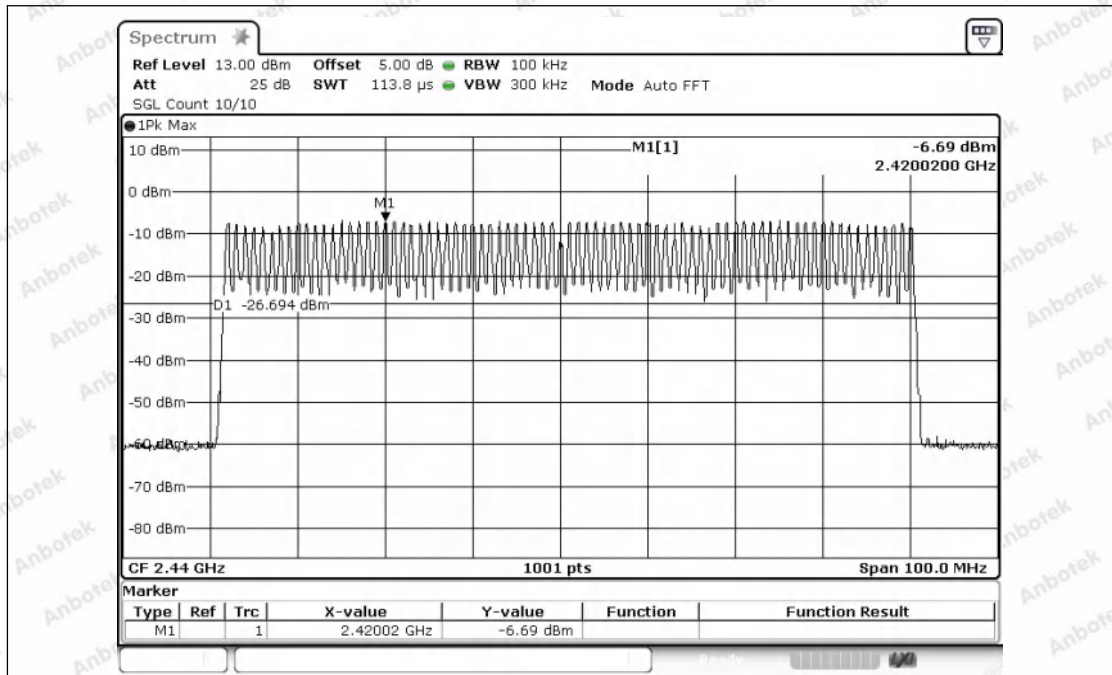


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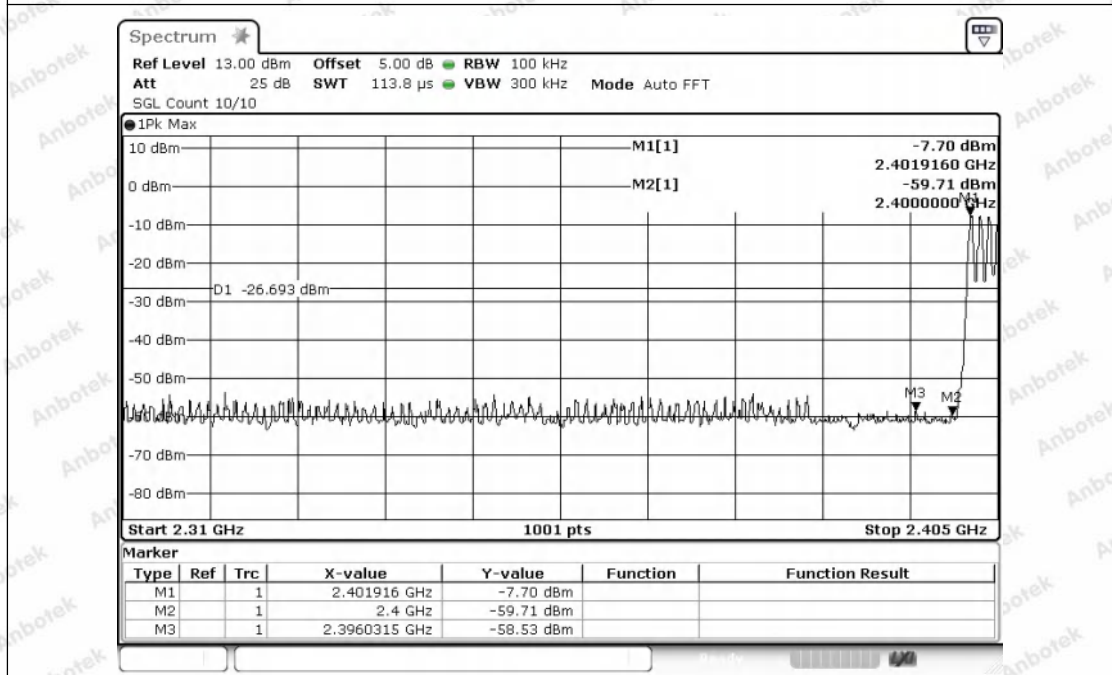


Test Graphs



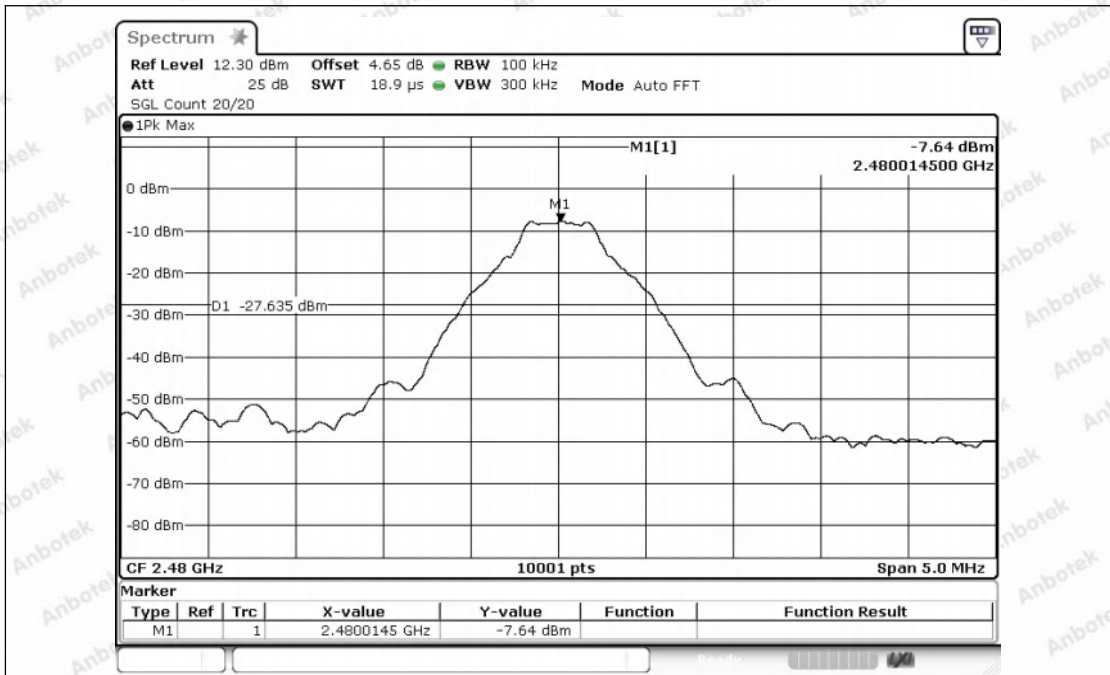


2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping

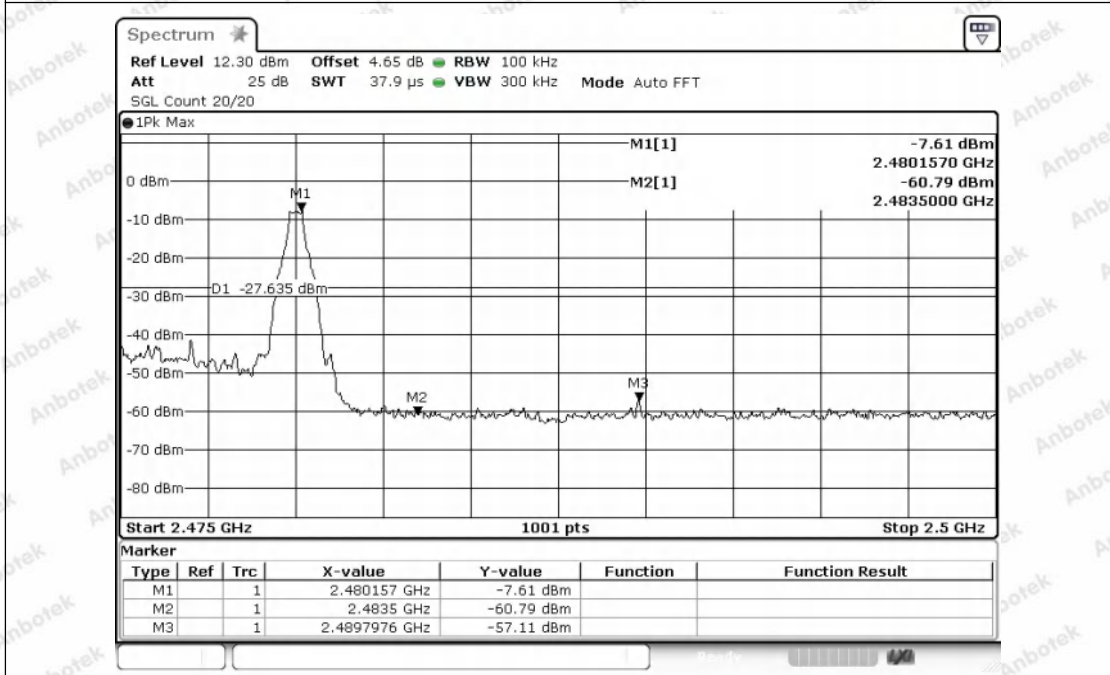


1_Reference_Level_NVNT_ANT1_1-DH5_2480



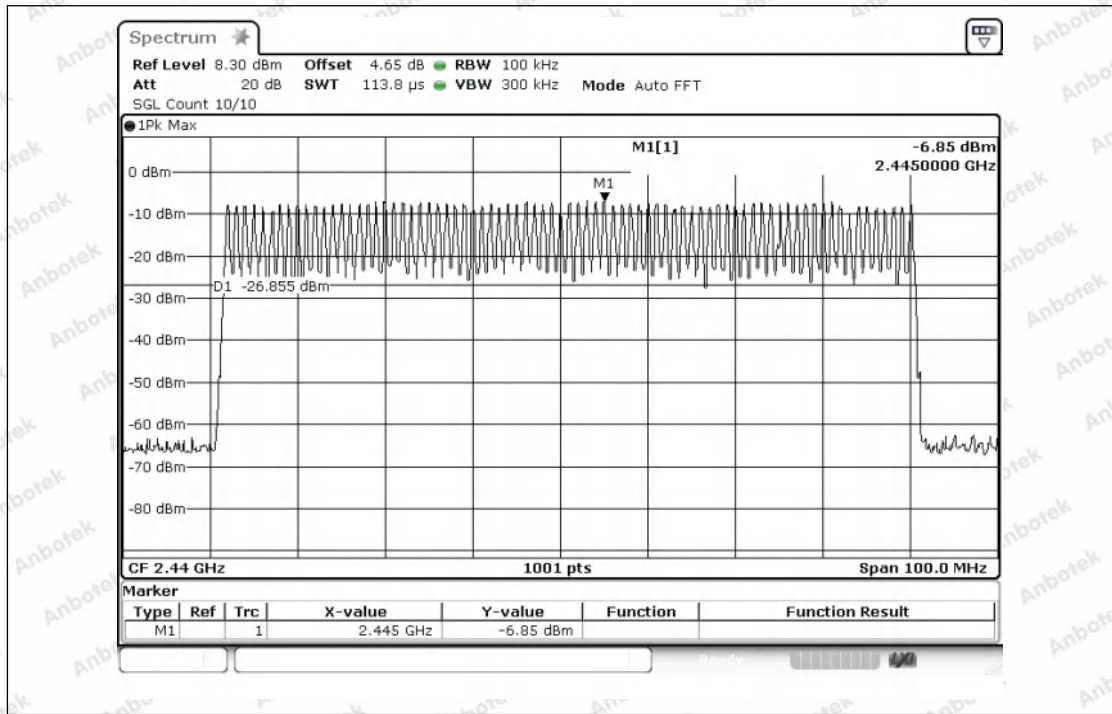


2_Bandedge_NVNT_ANT1_1-DH5_2480

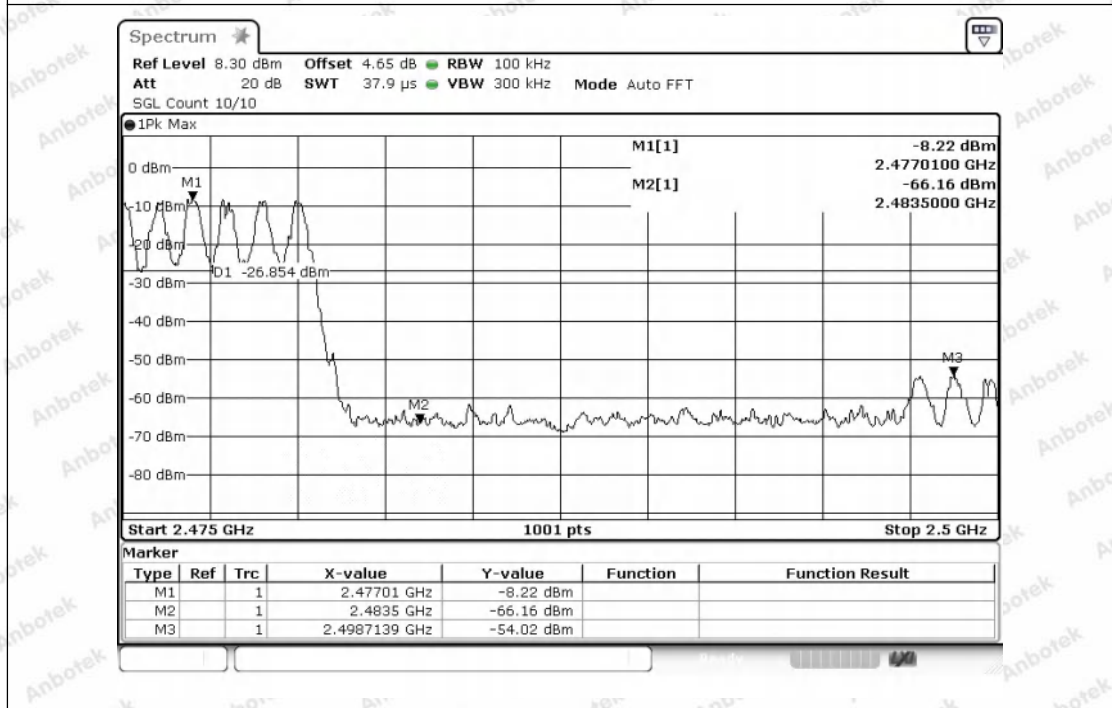


1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



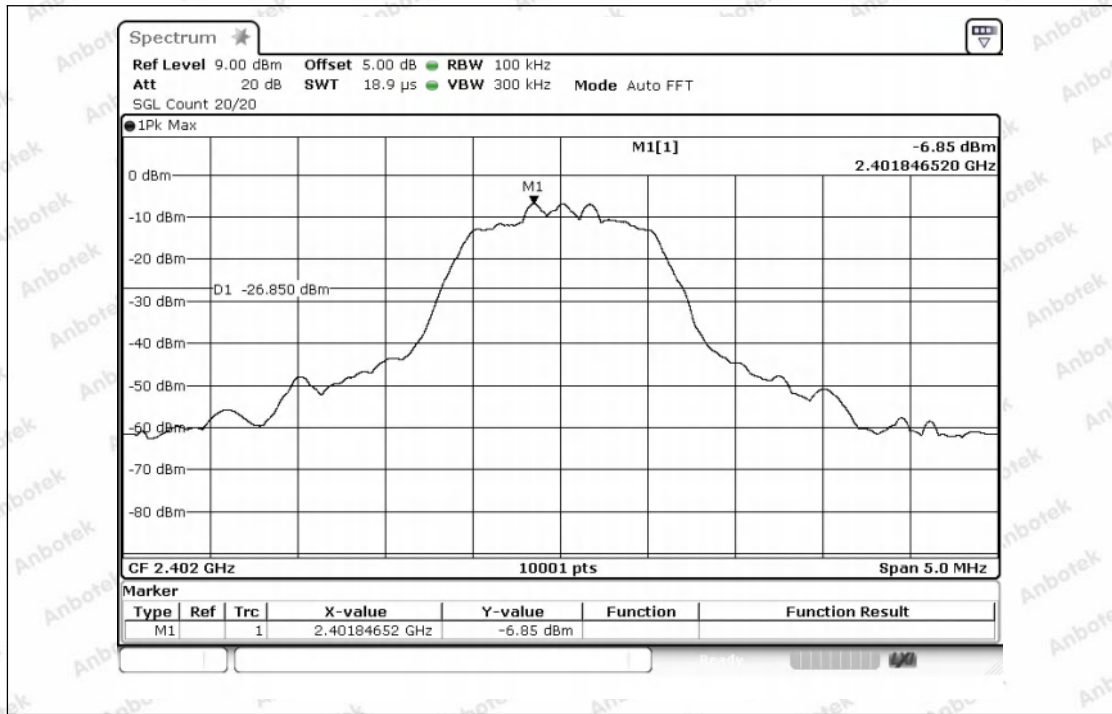


2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping

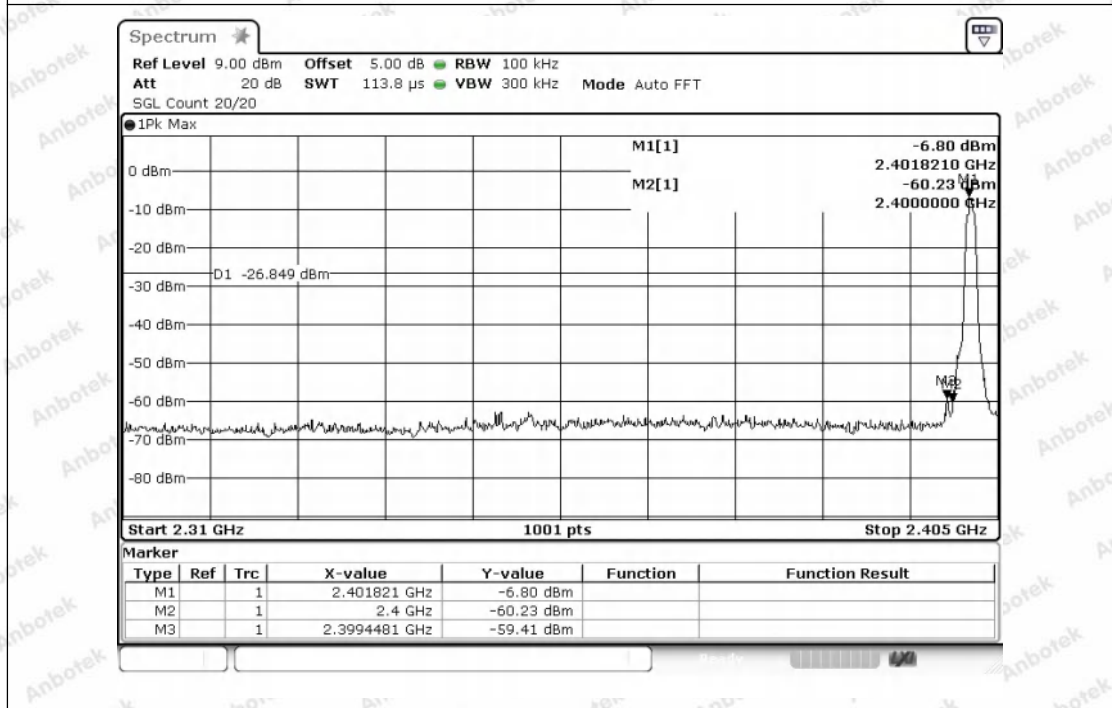


1_Reference_Level_NVNT_ANT1_2-DH5_2402



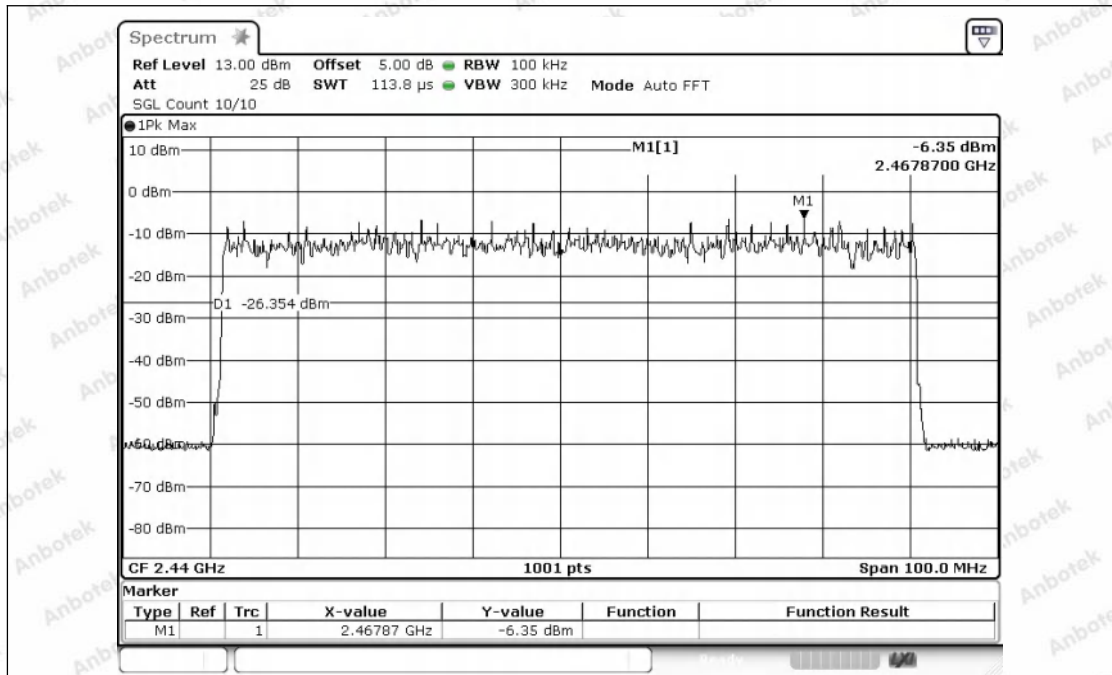


2_Bandedge_NVNT_ANT1_2-DH5_2402

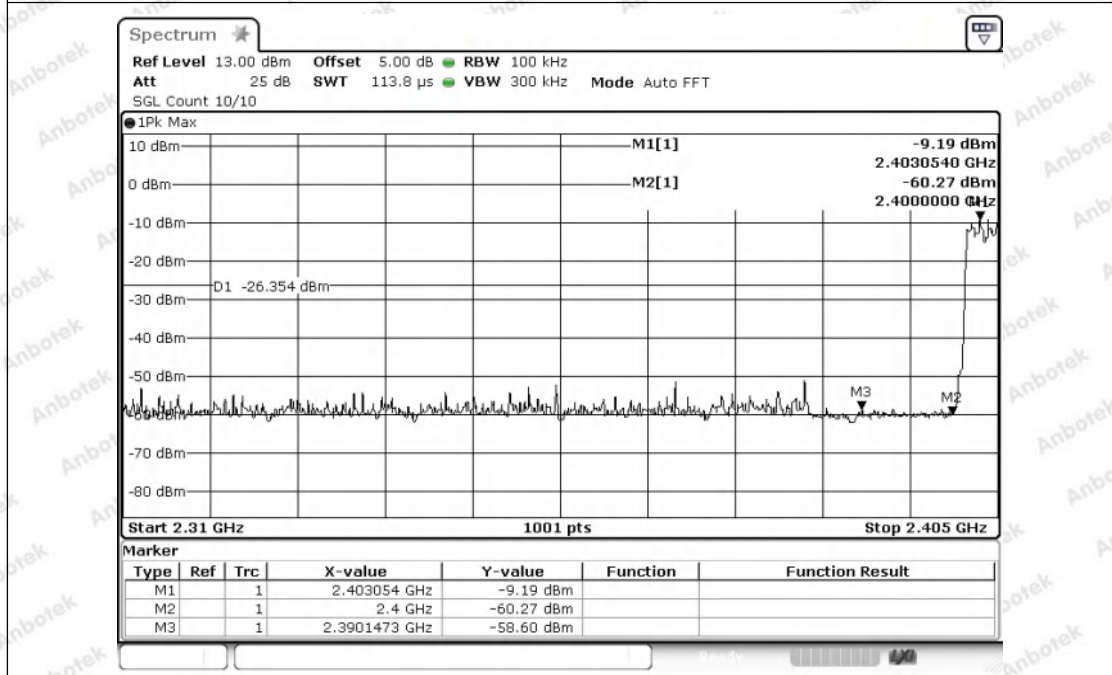


1_Reference_Level_Hopping_NVNT_ANT1_2-DH5_Hopping



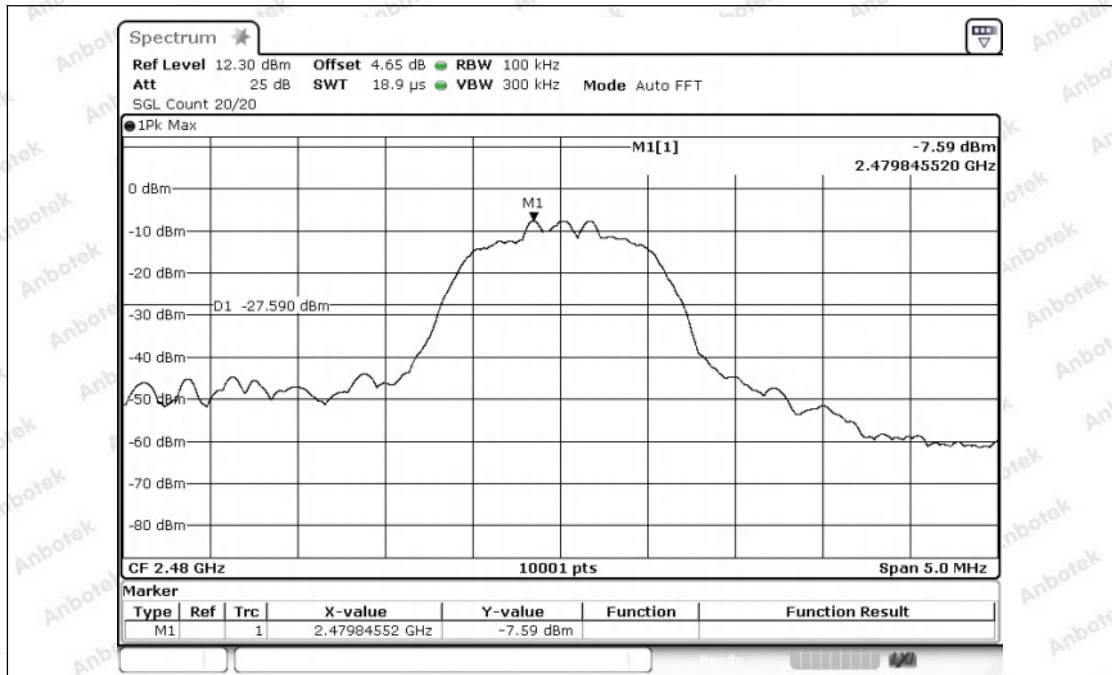


2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping

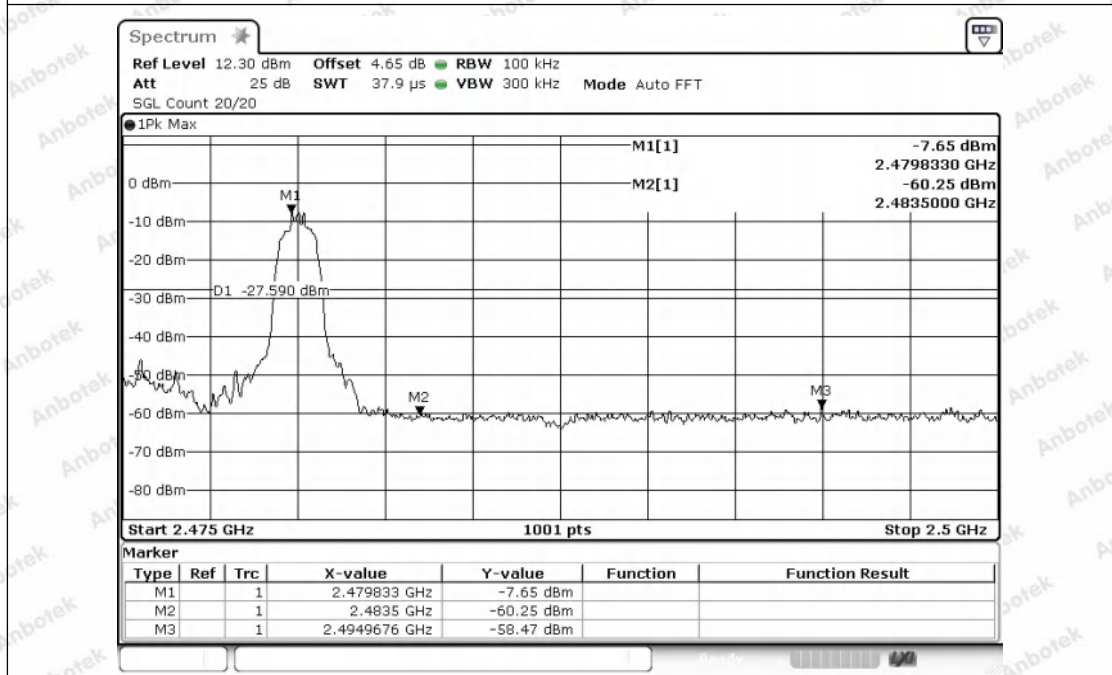


1_Reference_Level_NVNT_ANT1_2-DH5_2480



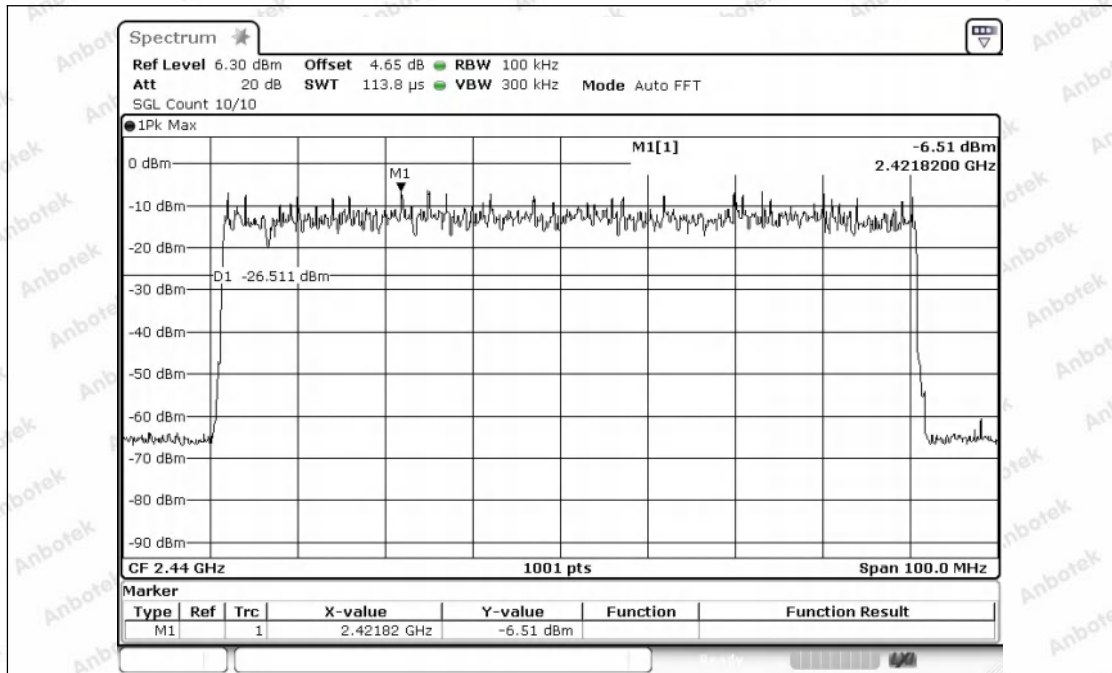


2_Bandedge_NVNT_ANT1_2-DH5_2480

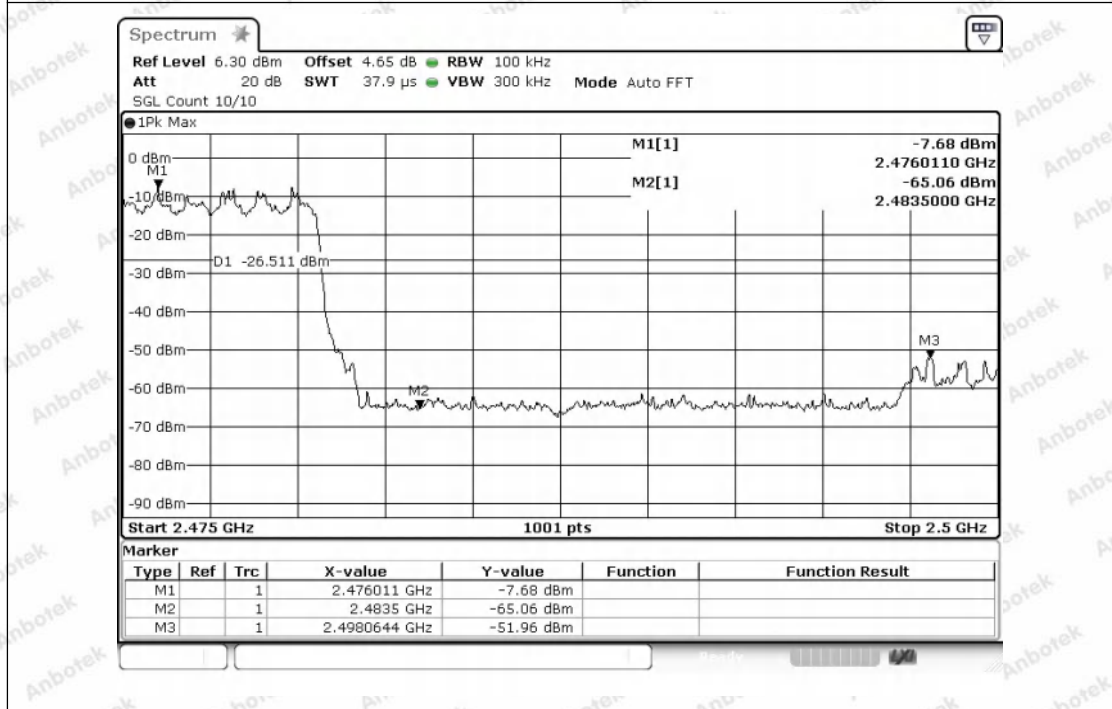


1_Reference_Level_Hopping_NVNT_ANT1_2-DH5_Hopping





2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping



Appendix F: Carrier Frequencies Separation (Hopping)

Test Result

Condition	Antenna	Modulation	Frequency(MHz)	Hopping NO.0 (MHz)	Hopping NO.1 (MHz)	Carrier Frequencies Separation(MHz)	Limit(MHz)	Result
NVNT	ANT1	1-DH5	2441.00	2441.018	2442.028	1.01	0.679	Pass
NVNT	ANT1	2-DH5	2441.00	2440.847	2441.848	1.00	0.859	Pass

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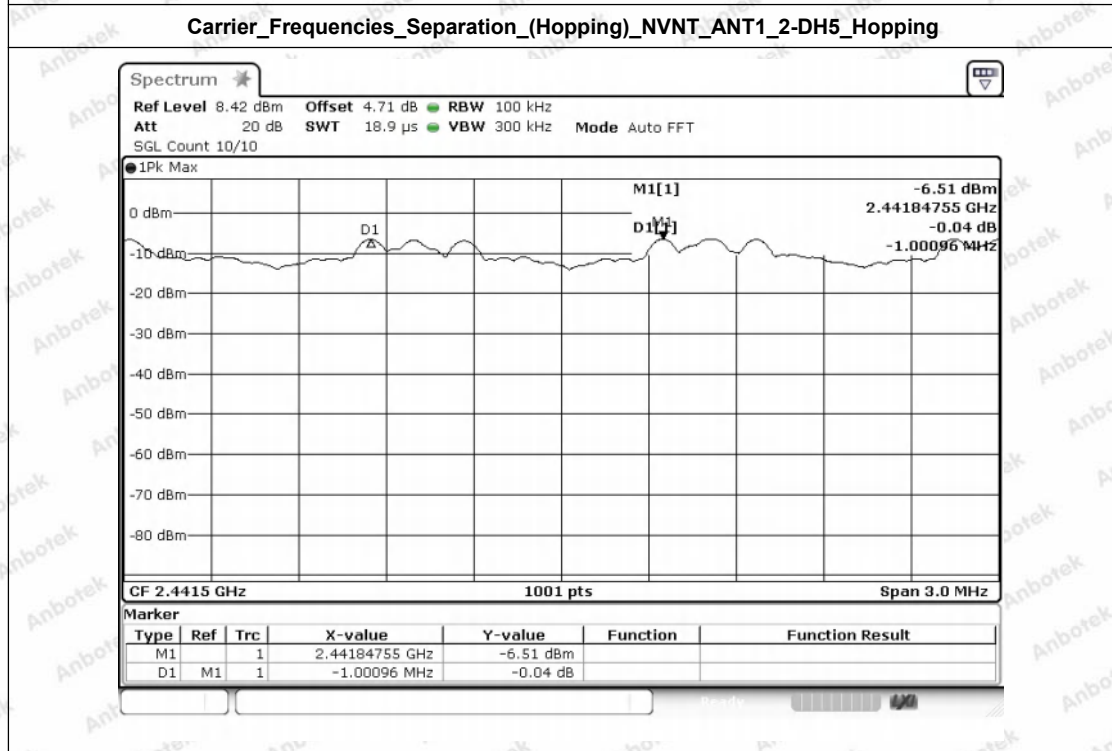
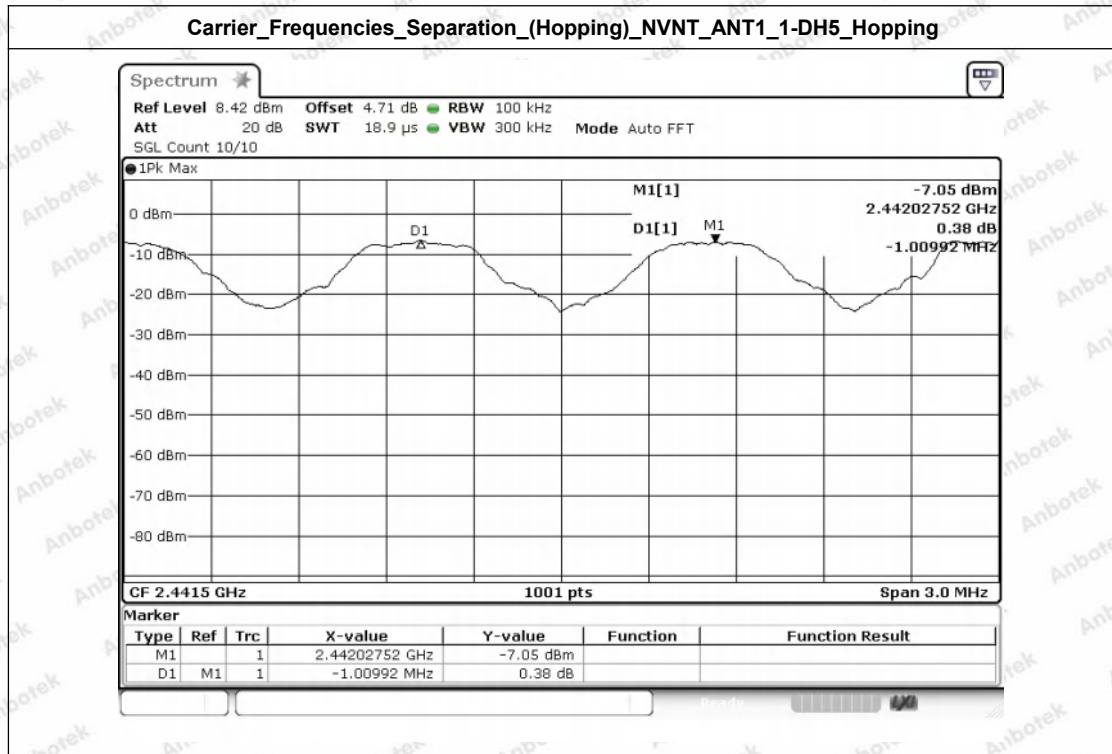
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Test Graphs



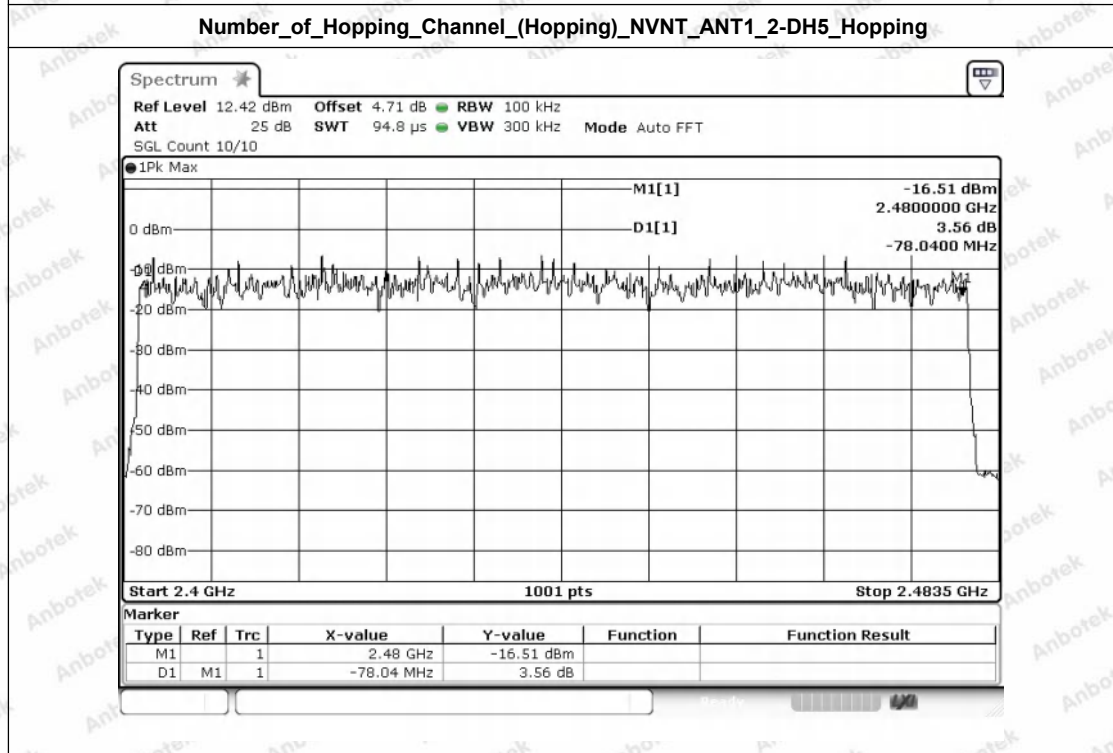
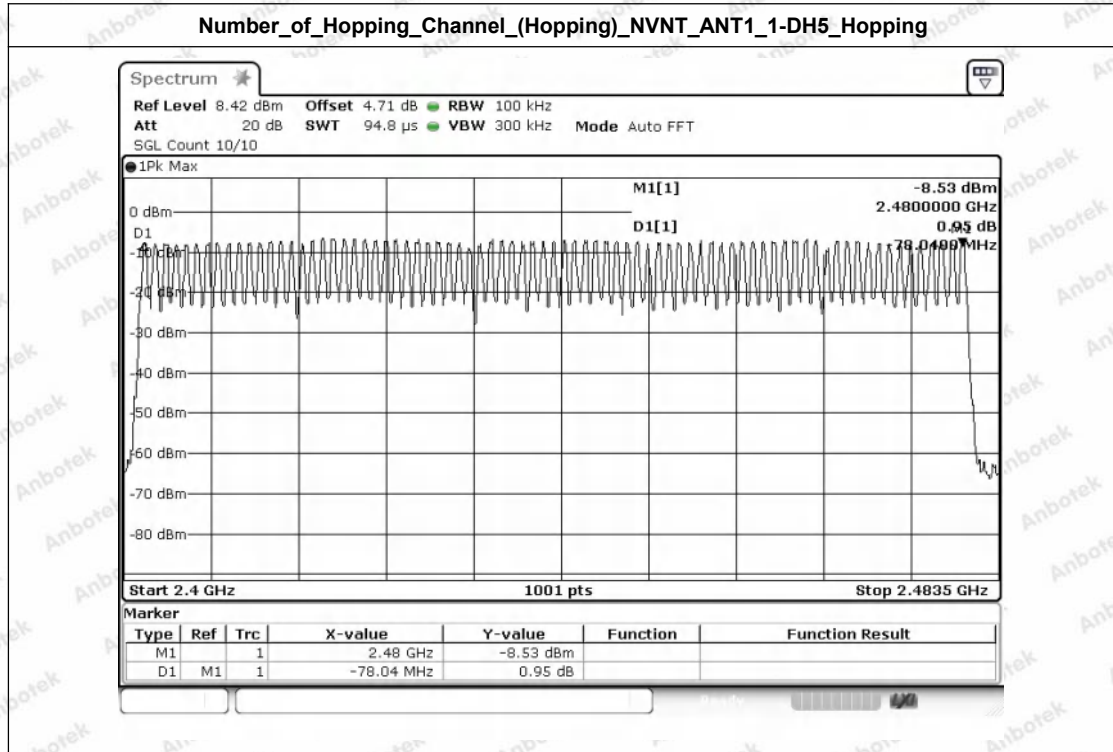
Appendix G: Number of Hopping Channel (Hopping)

Test Result

Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH5	79	15	Pass
NVNT	ANT1	2-DH5	79	15	Pass



Test Graphs



Appendix H: Dwell Time (Hopping)

Test Result

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.900	113.00	327.700	0.40	Pass
NVNT	ANT1	2-DH5	2.900	102.00	295.800	0.40	Pass
NVNT	ANT1	1-DH1	0.400	320.00	128.000	0.40	Pass
NVNT	ANT1	1-DH3	1.650	162.00	267.300	0.40	Pass
NVNT	ANT1	2-DH1	0.400	317.00	126.800	0.40	Pass
NVNT	ANT1	2-DH3	1.650	158.00	260.700	0.40	Pass

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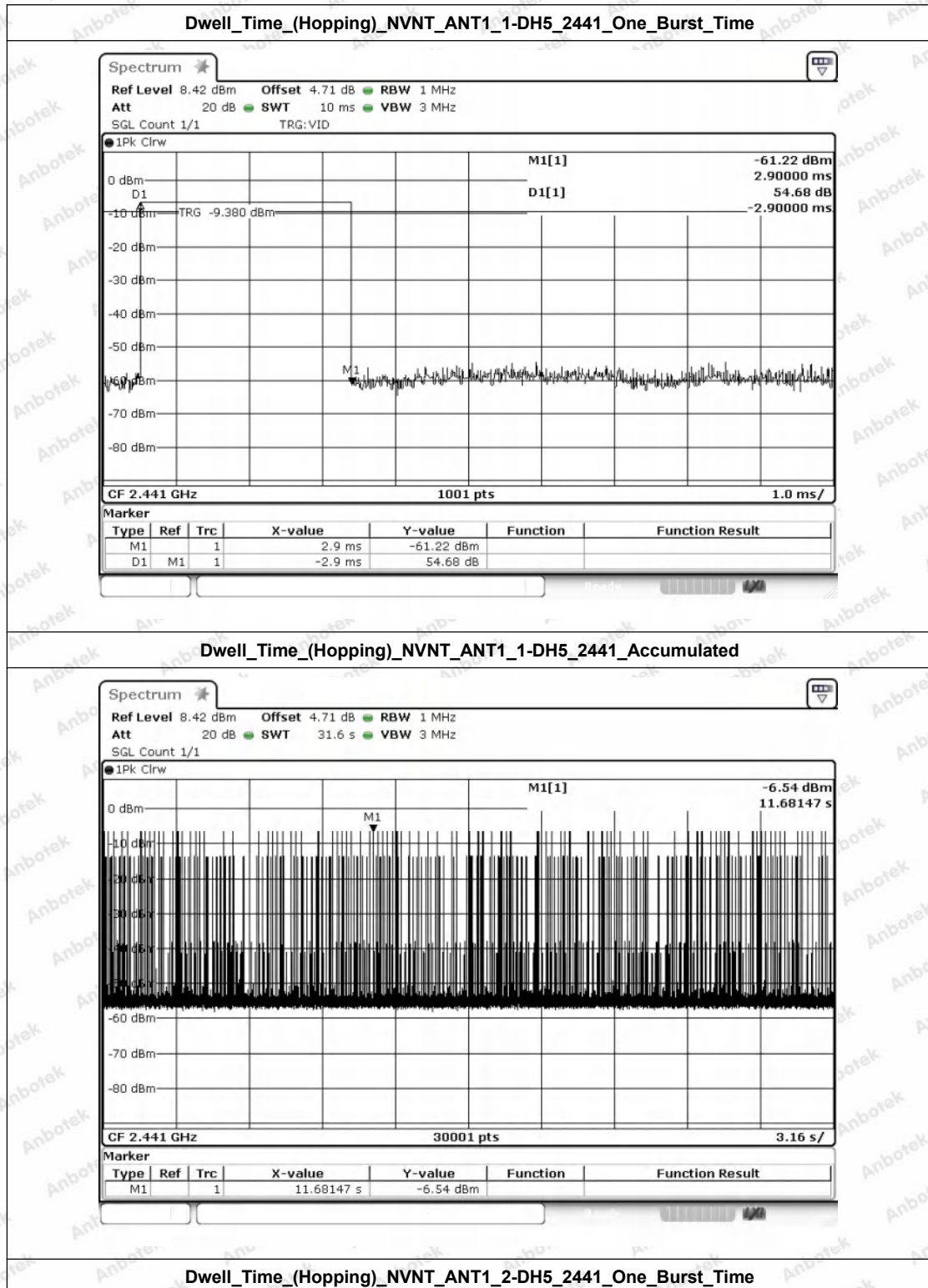
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

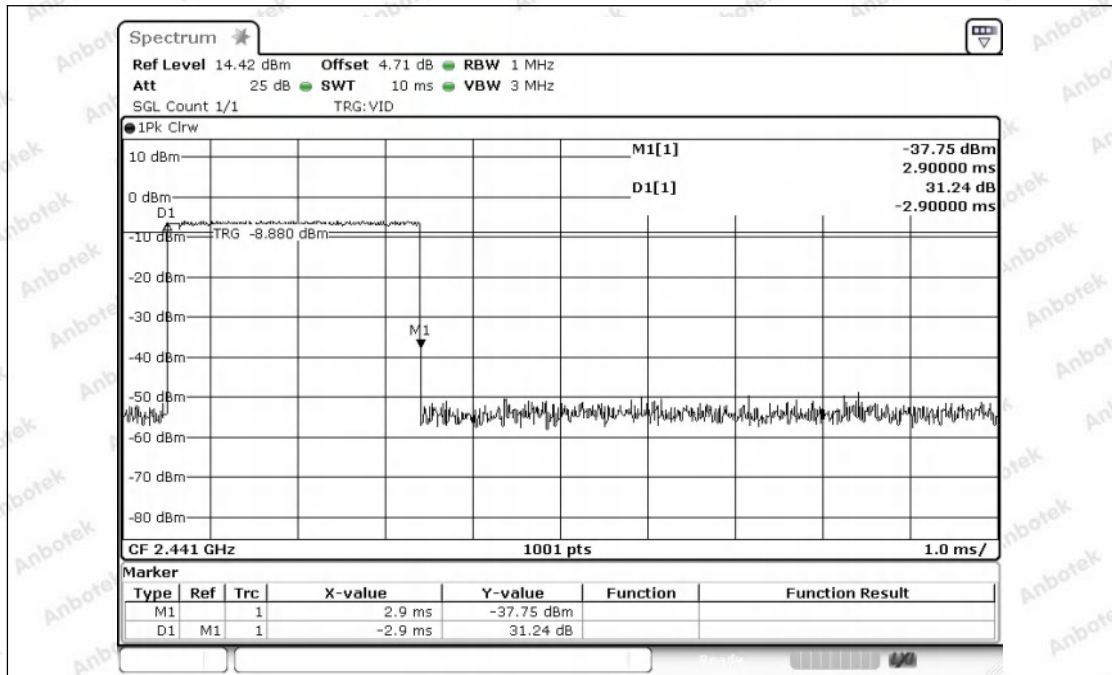


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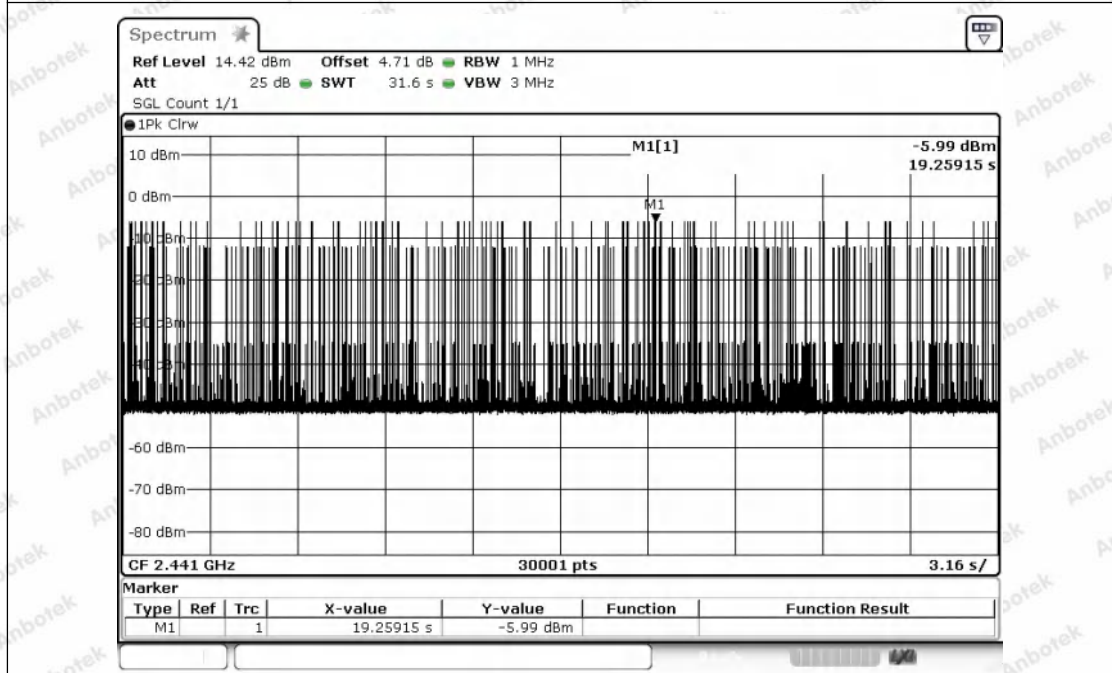


Test Graphs



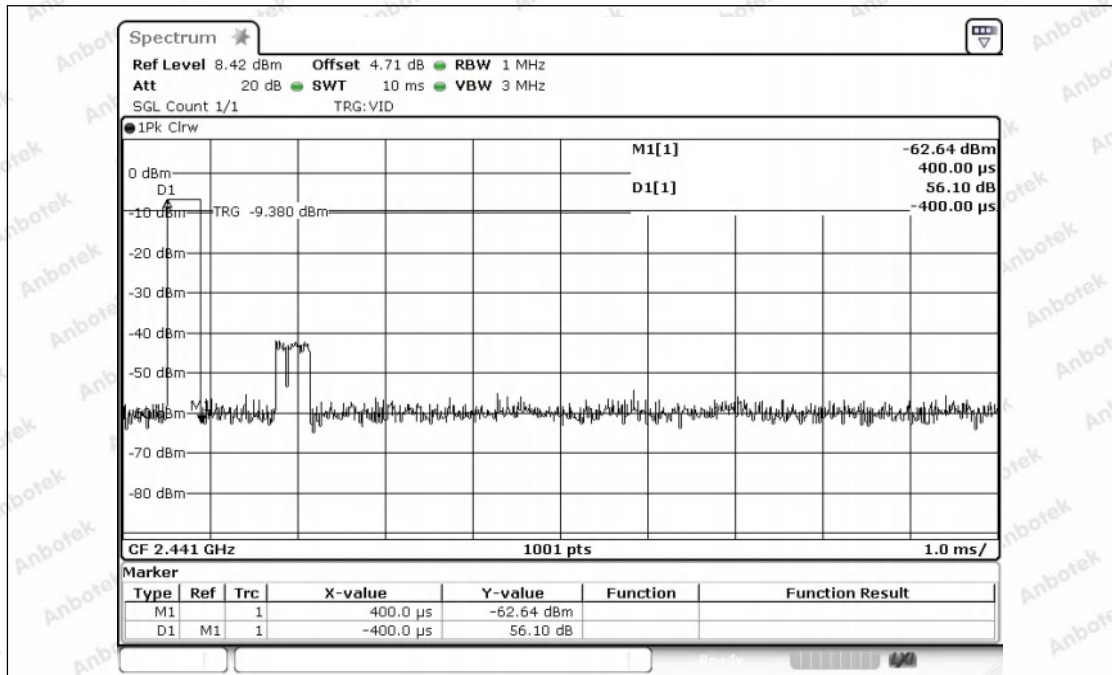


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_Accumulated

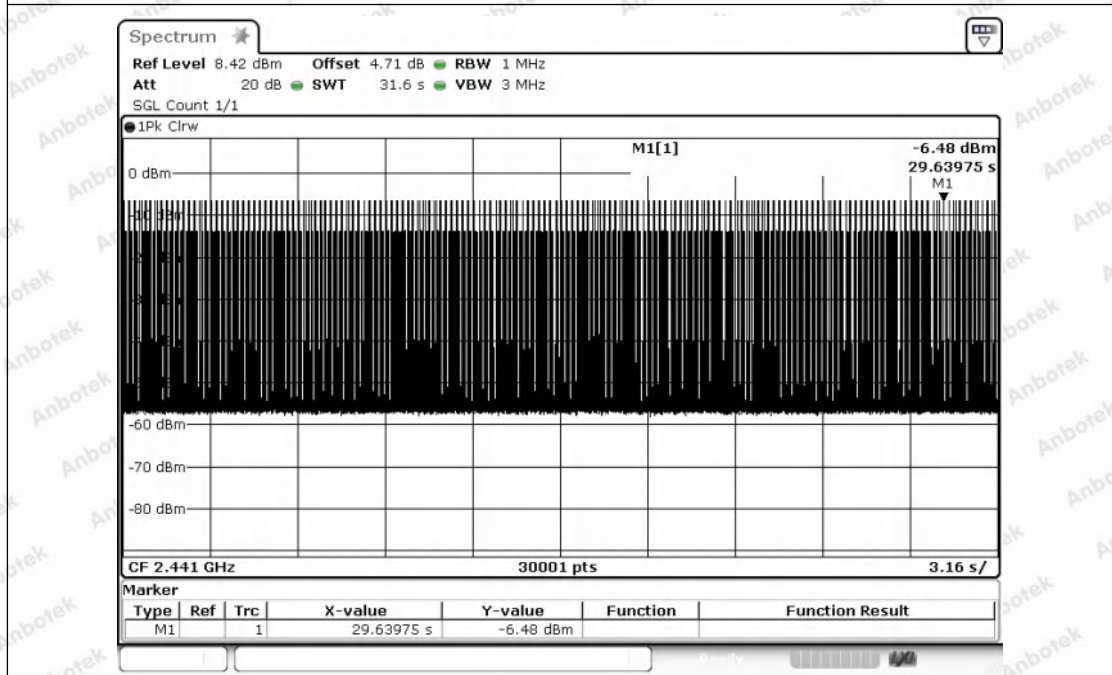


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_One_Burst_Time



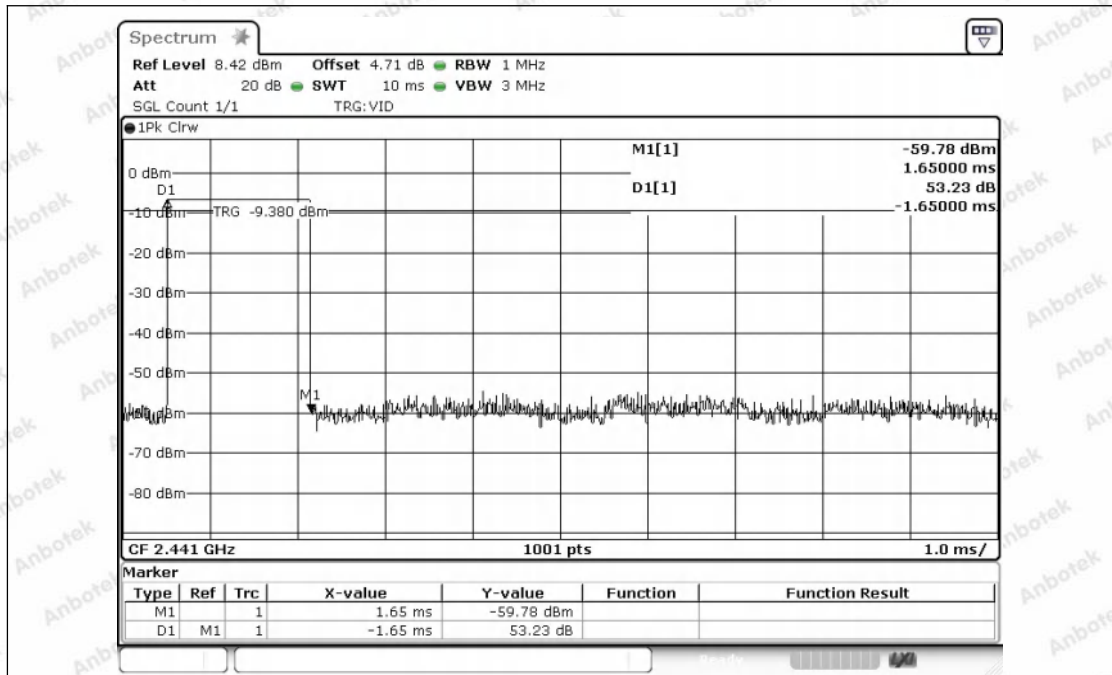


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_Accumulated

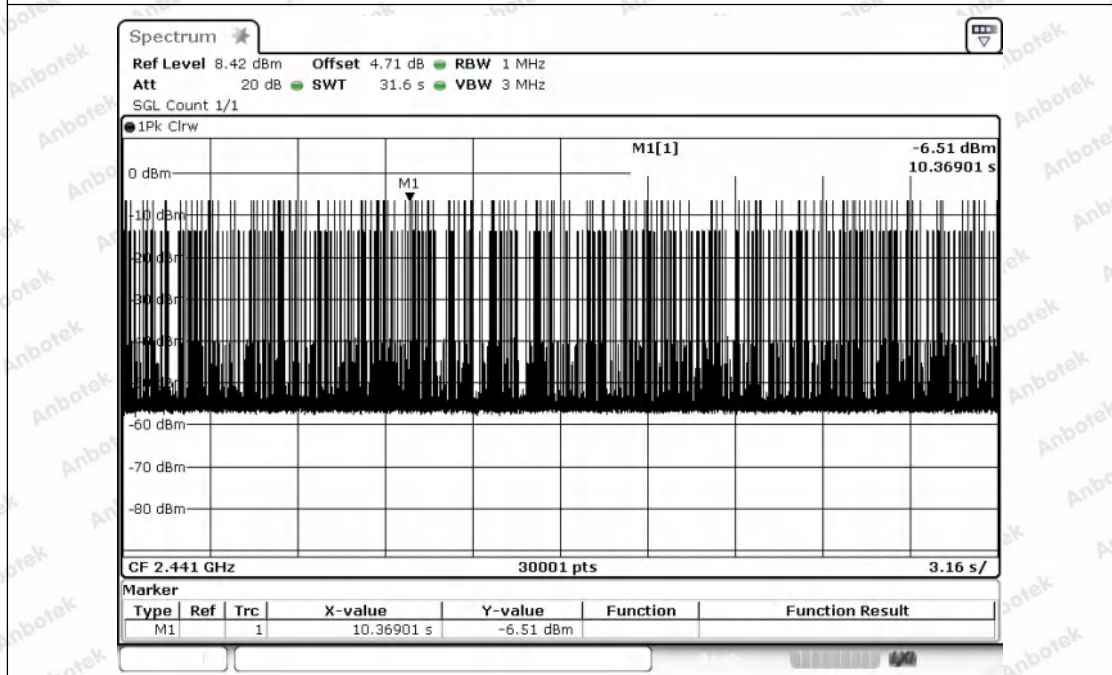


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_One_Burst_Time



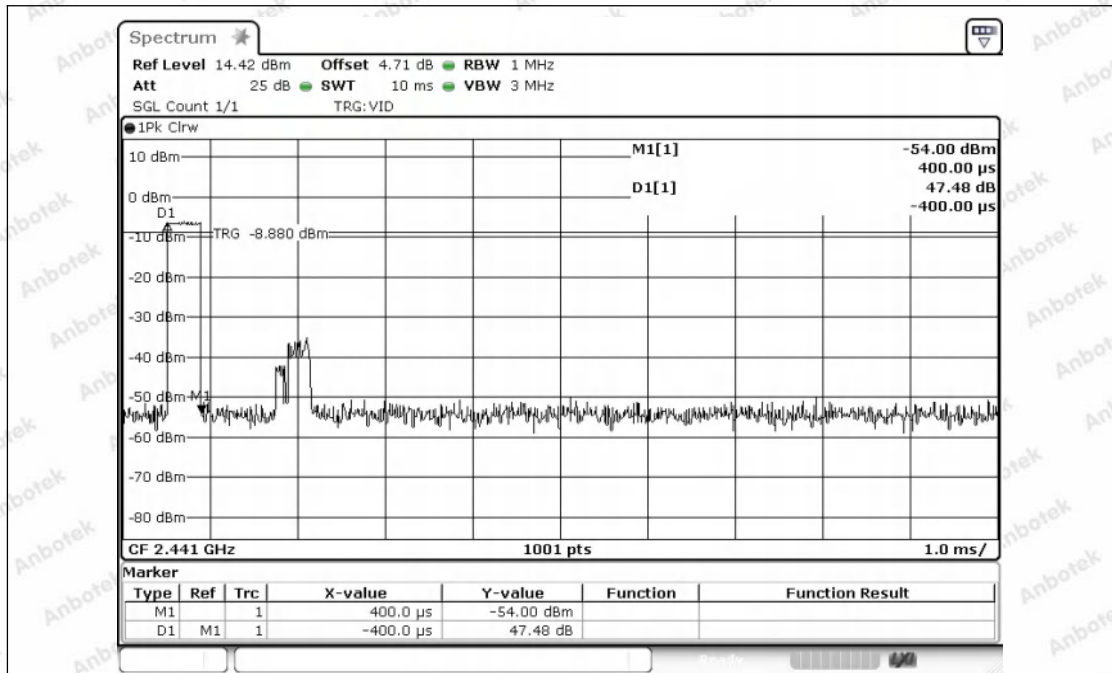


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_Accumulated

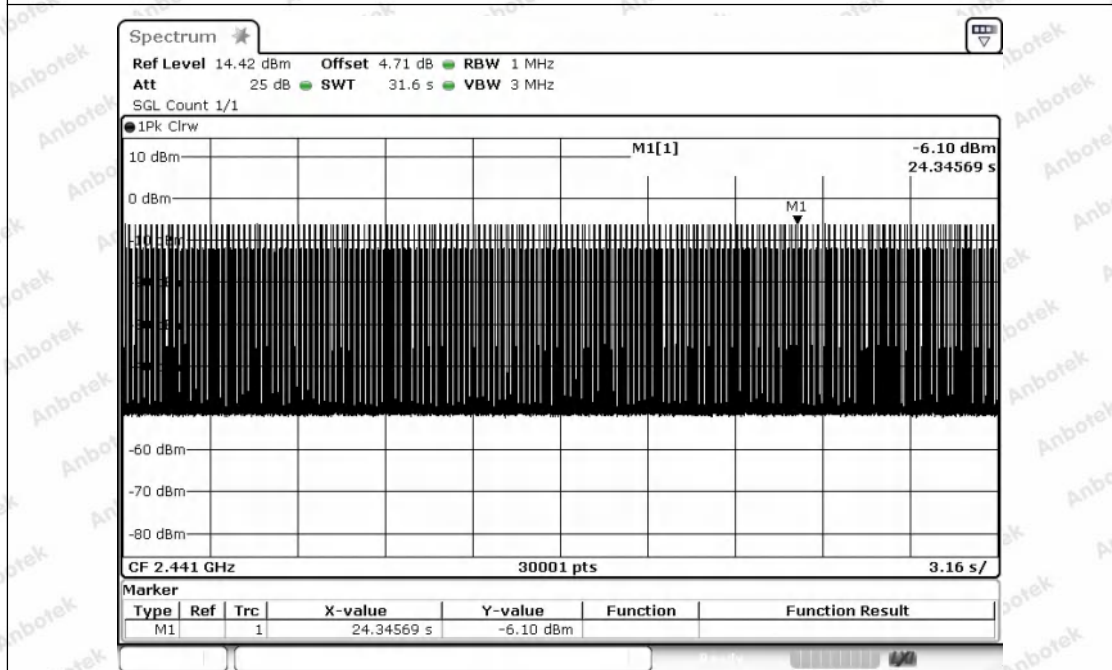


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH1_2441_One_Burst_Time



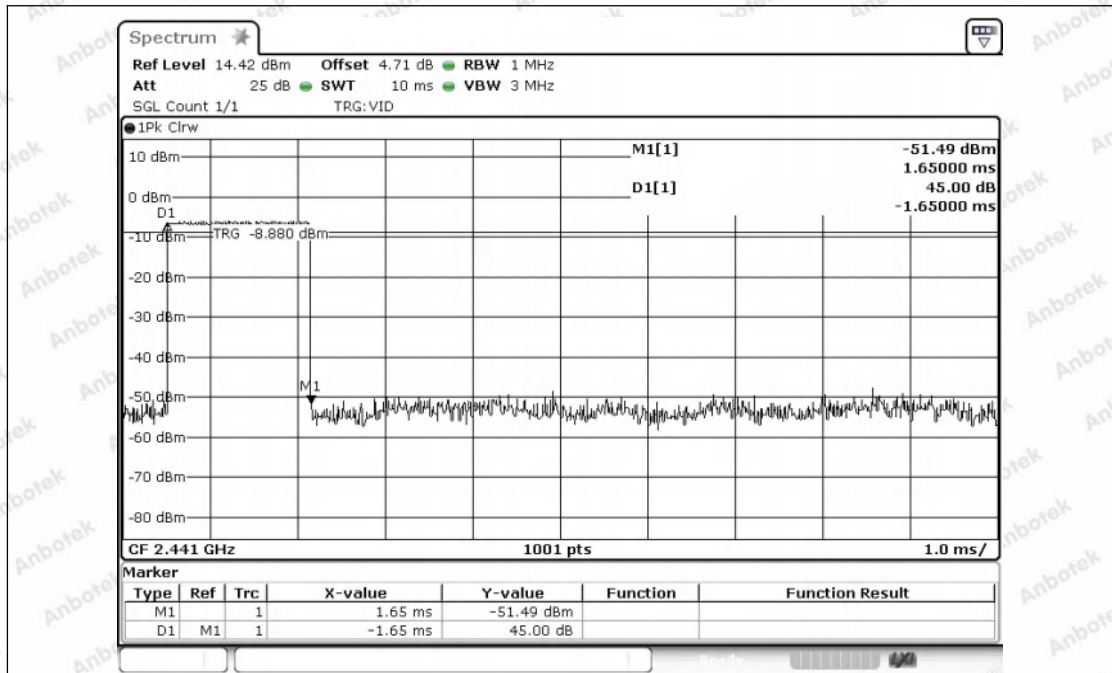


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH1_2441_Accumulated

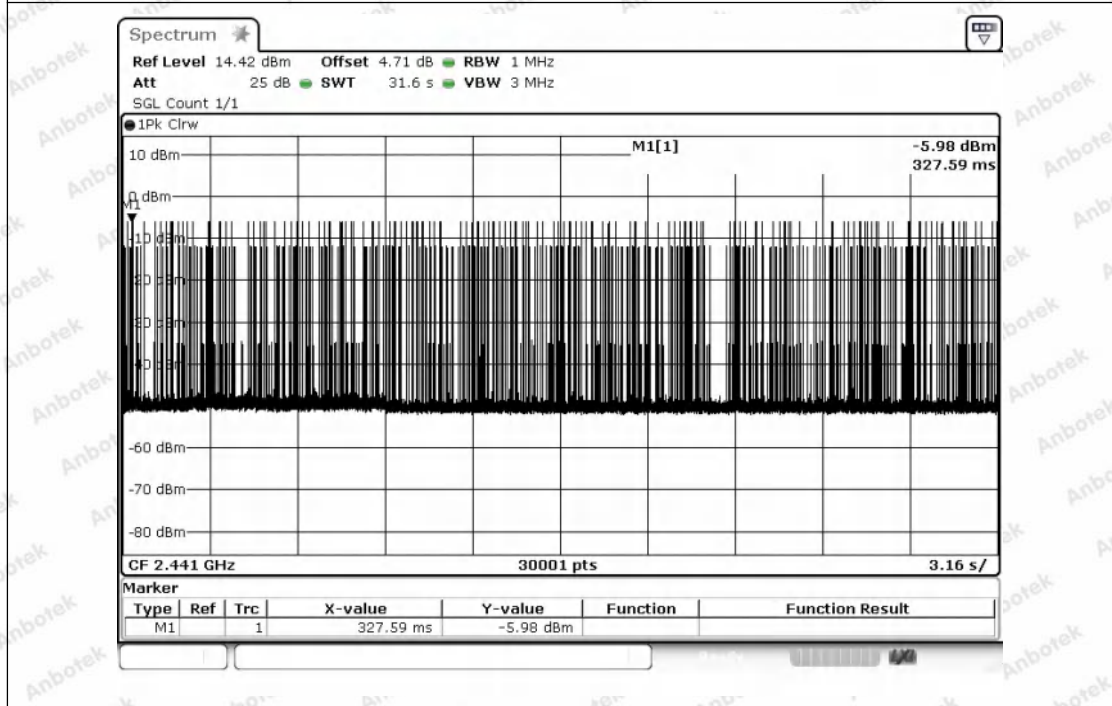


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_One_Burst_Time





Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_Accumulated



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