

Appendix Test Data

Report No.:	18220WC40049601	Test Sample No.:	1-2-2
Start Test Date:	2024.3.30	Finish Test Date:	2024.3.30
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.5°C	Relative Humidity:	47%
Pressure:	101kPa		

Appendix A: -20dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2441.00	0.941	No
NVNT	ANT1	1-DH5	2402.00	0.947	No
NVNT	ANT1	1-DH5	2480.00	0.944	No
NVNT	ANT1	2-DH5	2441.00	1.277	Yes
NVNT	ANT1	2-DH5	2402.00	1.280	Yes
NVNT	ANT1	2-DH5	2480.00	1.277	Yes
NVNT	ANT1	3-DH5	2441.00	1.283	Yes
NVNT	ANT1	3-DH5	2402.00	1.283	Yes
NVNT	ANT1	3-DH5	2480.00	1.279	Yes

-20dB_Bandwidth_NVNT_ANT1_1-DH5_2441

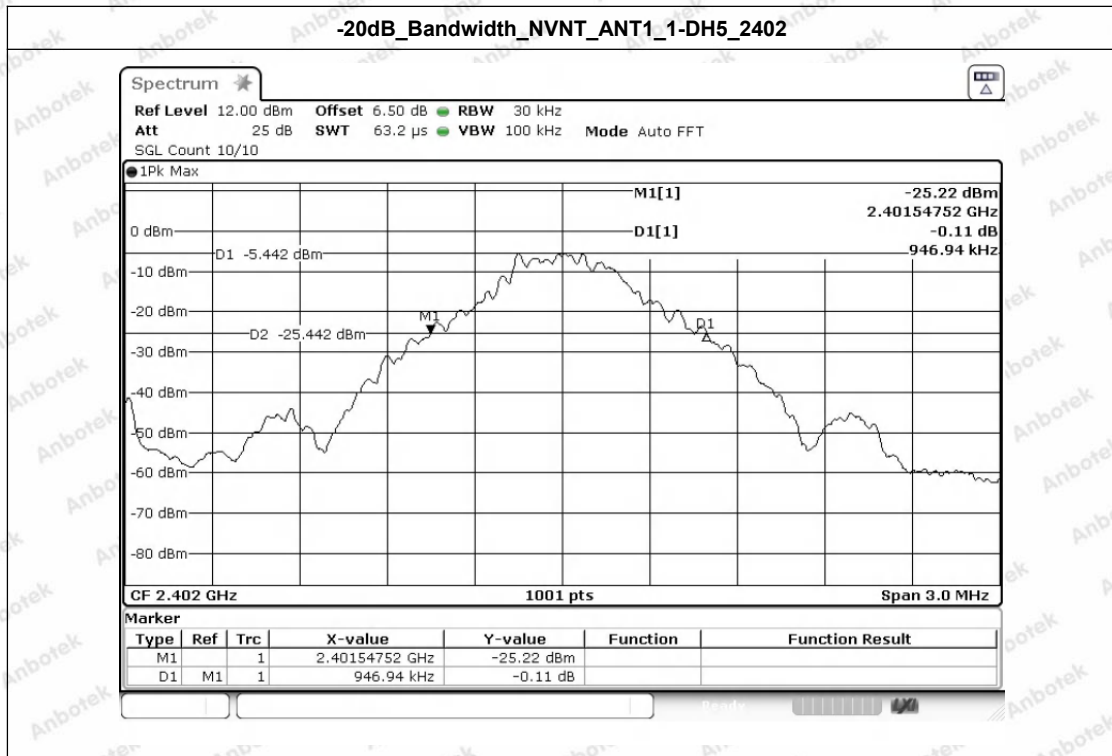
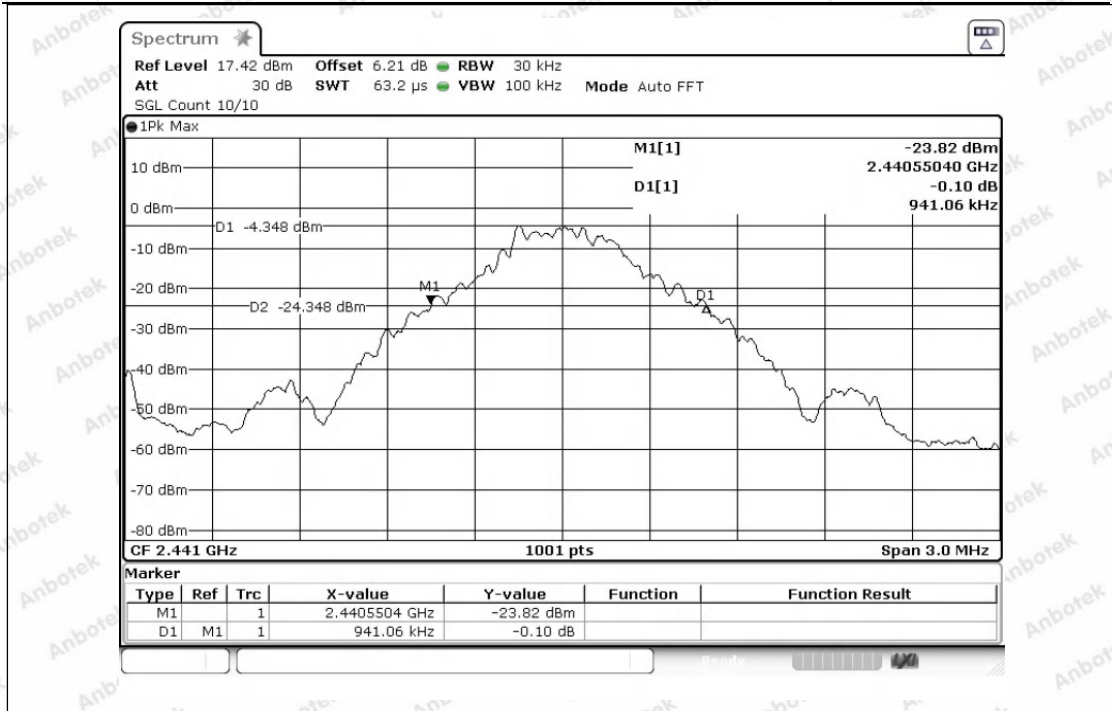
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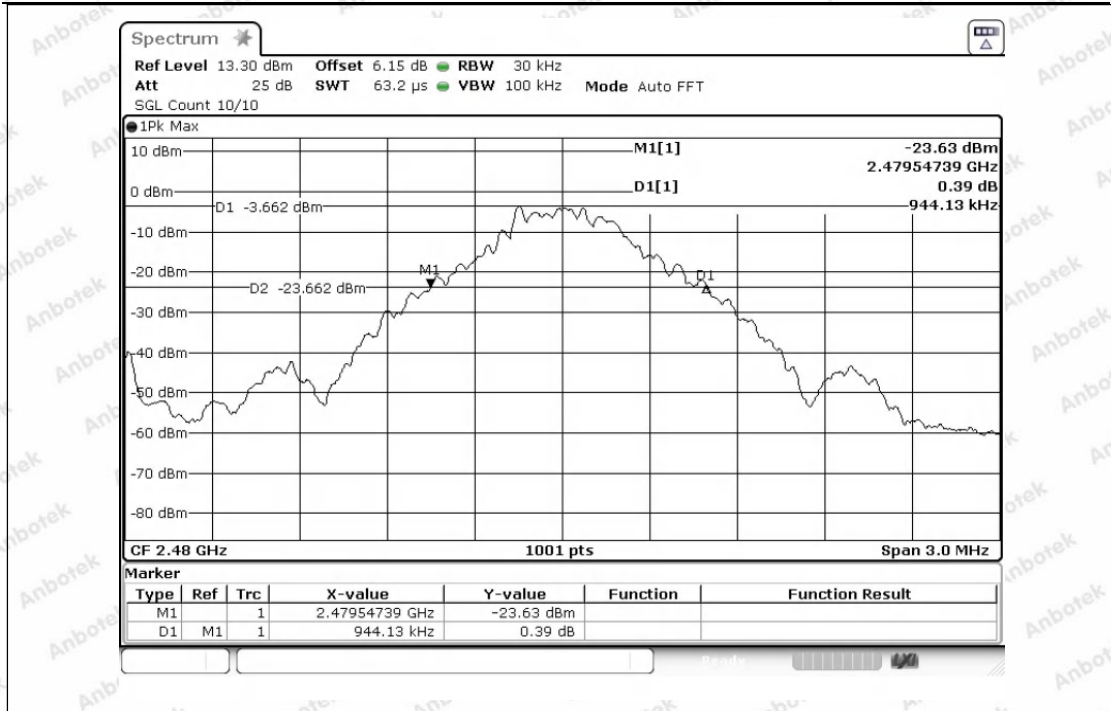
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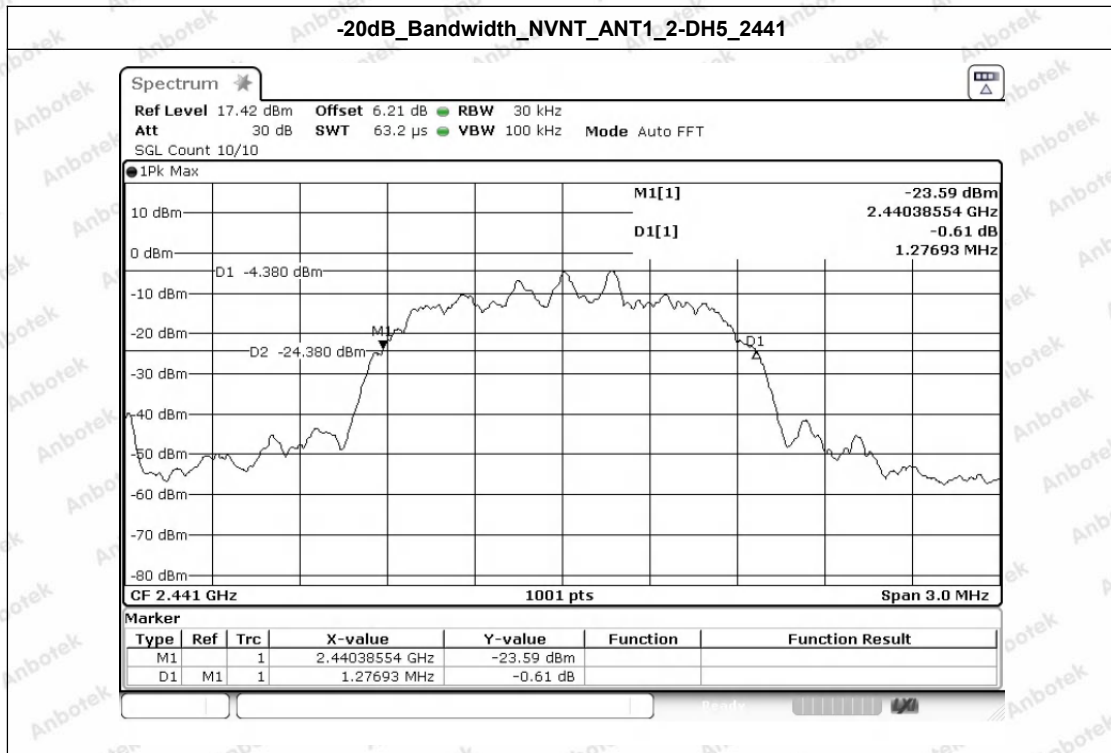


-20dB_Bandwidth_NVNT_ANT1_1-DH5_2480



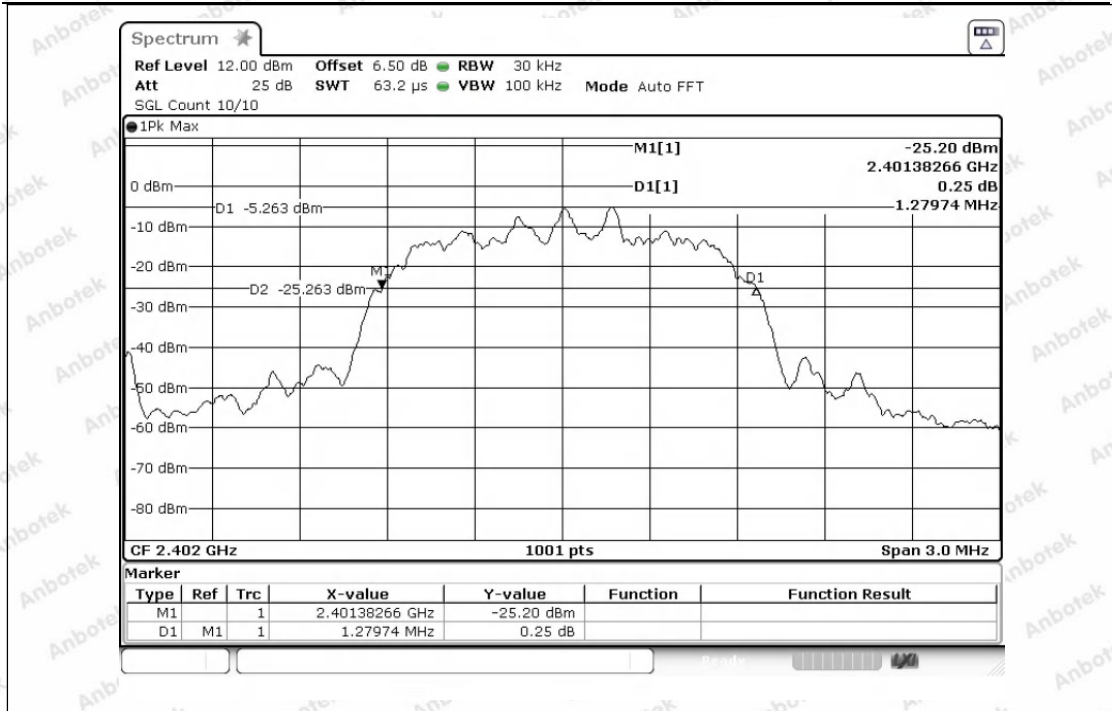


-20dB_Bandwidth_NVNT_ANT1_2-DH5_2441

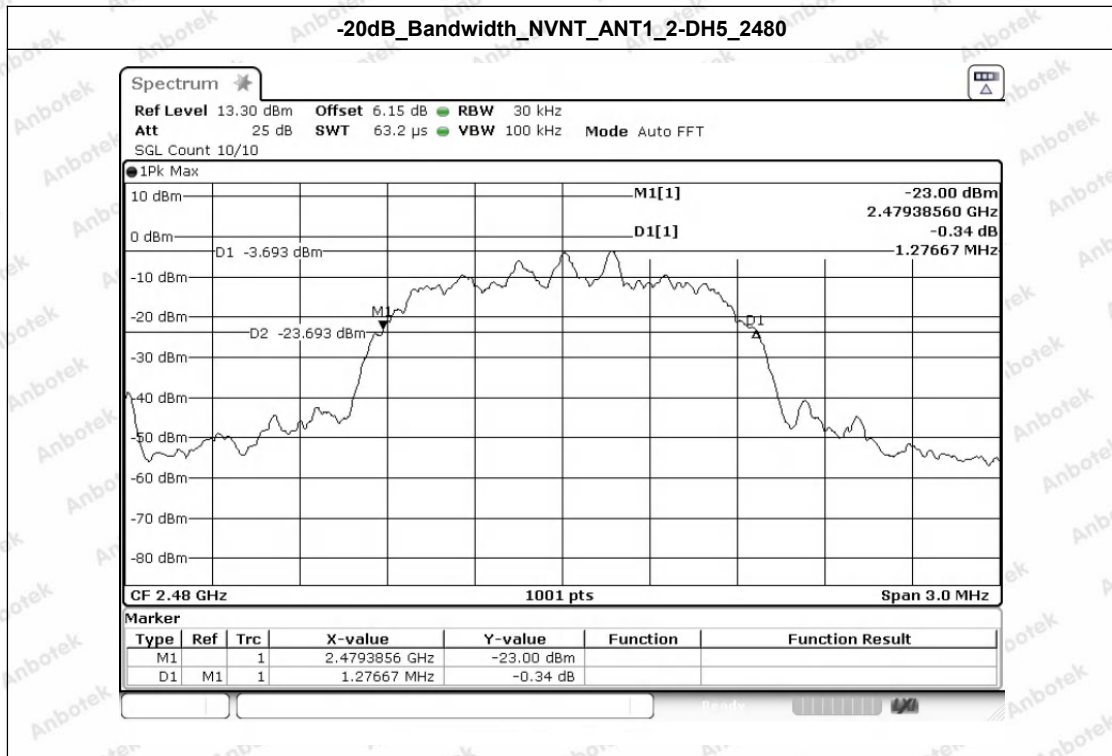


-20dB_Bandwidth_NVNT_ANT1_2-DH5_2402



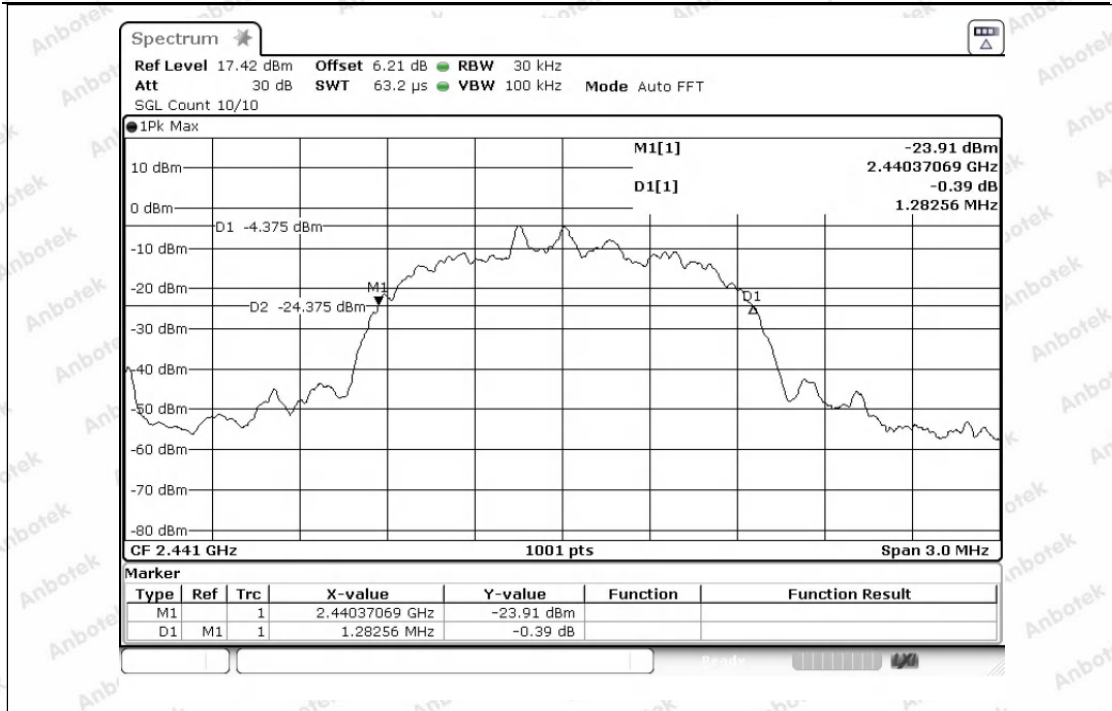


-20dB_Bandwidth_NVNT_ANT1_2-DH5_2480

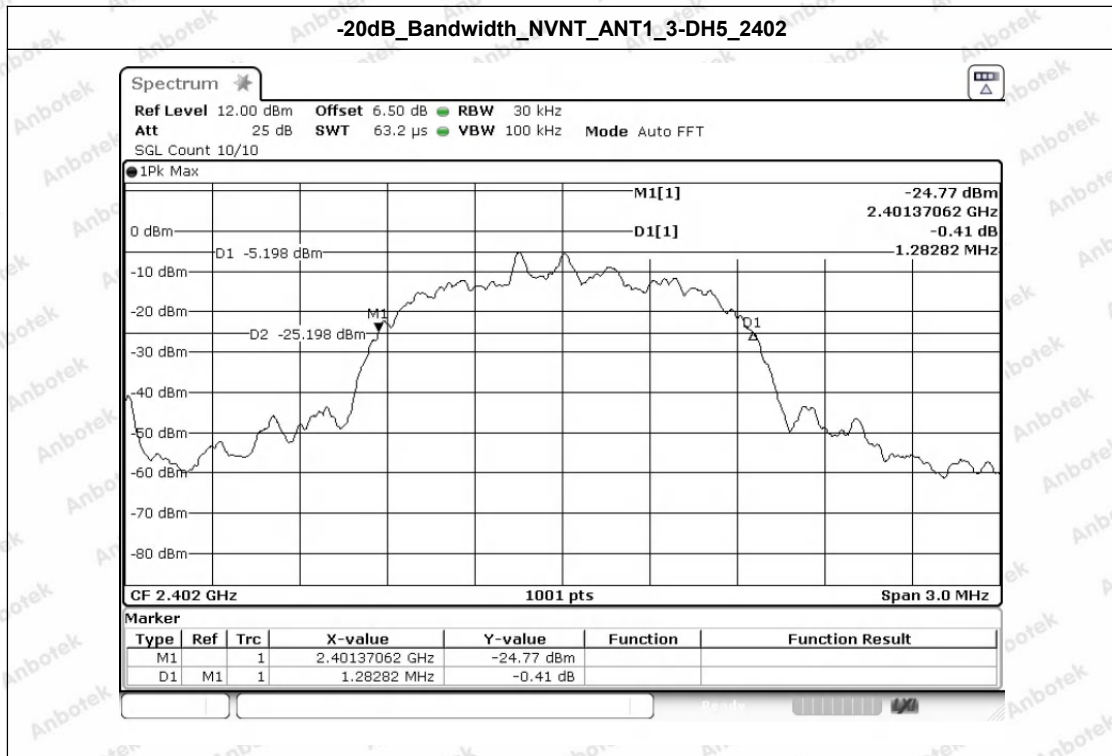


-20dB_Bandwidth_NVNT_ANT1_3-DH5_2441



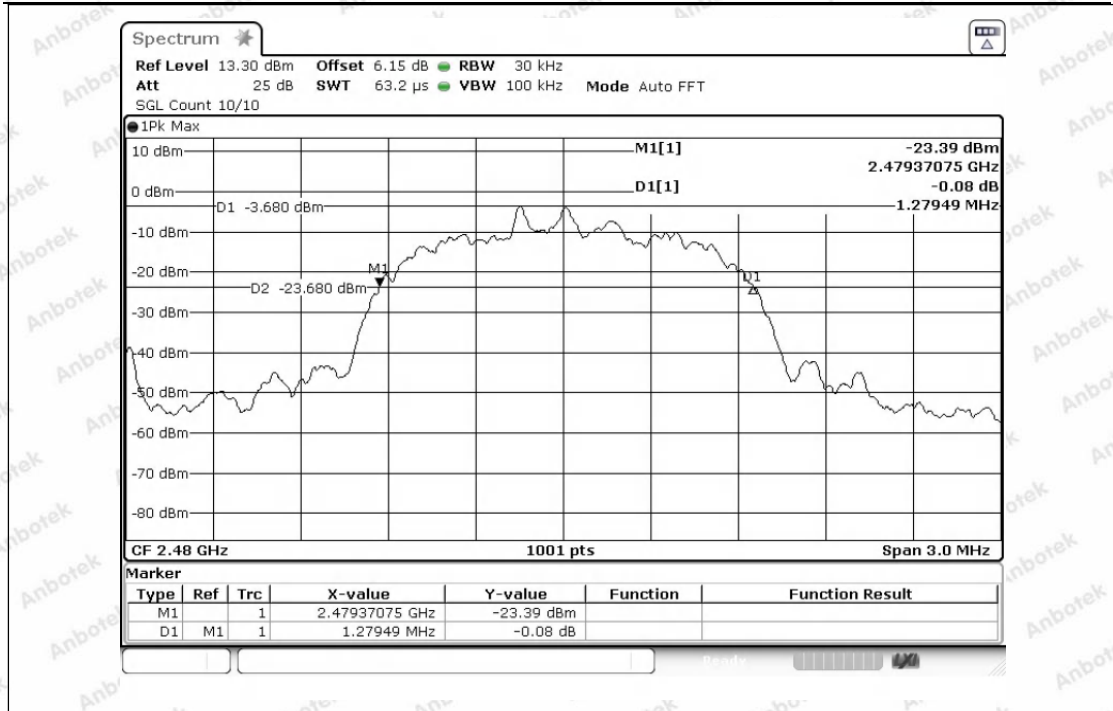


-20dB_Bandwidth_NVNT_ANT1_3-DH5_2402



-20dB_Bandwidth_NVNT_ANT1_3-DH5_2480





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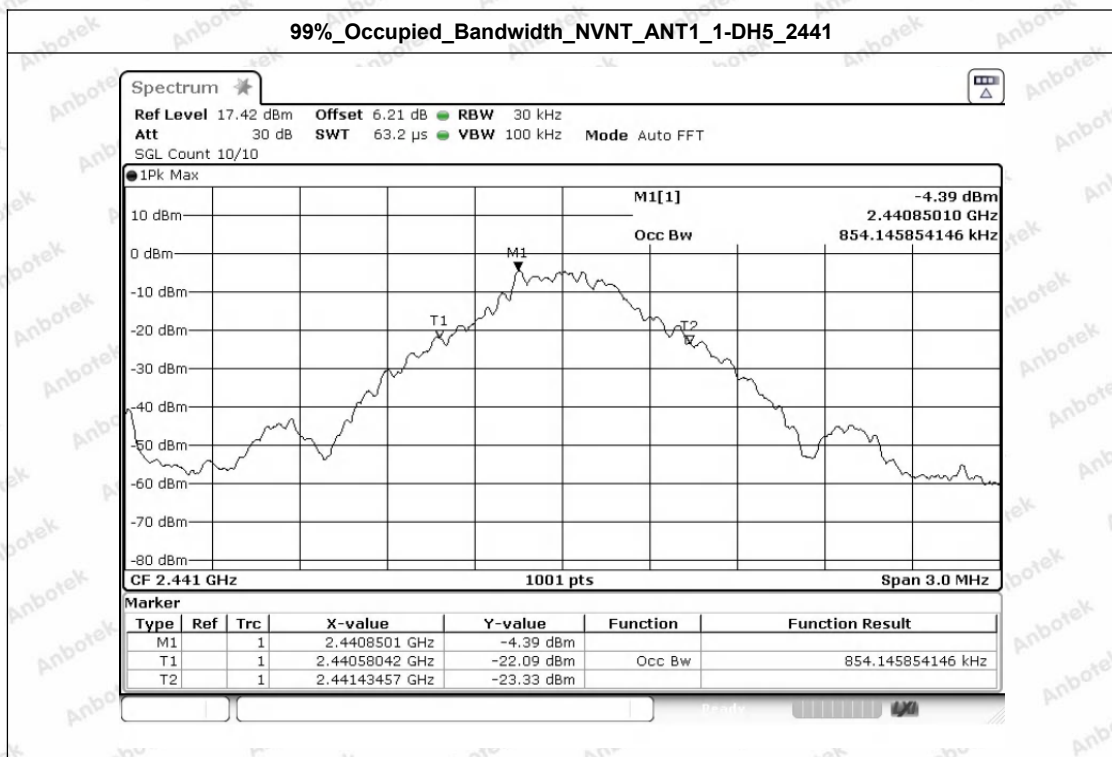


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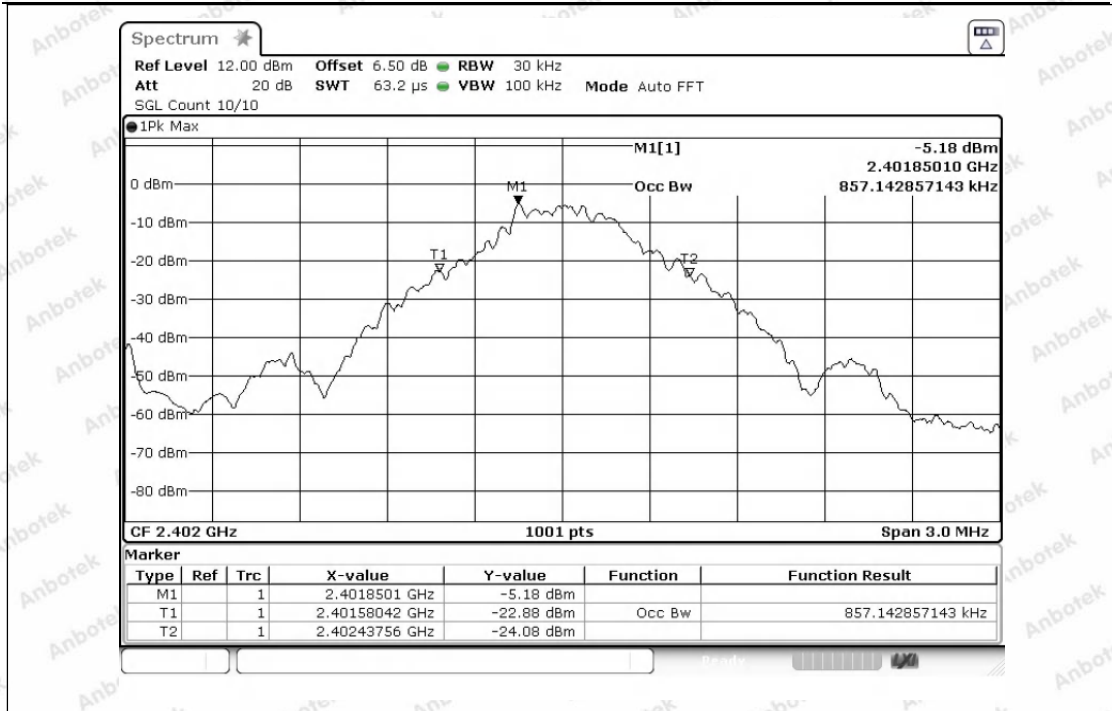
Appendix B: 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1-DH5	2441.00	0.854
NVNT	ANT1	1-DH5	2402.00	0.857
NVNT	ANT1	1-DH5	2480.00	0.857
NVNT	ANT1	2-DH5	2441.00	1.169
NVNT	ANT1	2-DH5	2402.00	1.169
NVNT	ANT1	2-DH5	2480.00	1.172
NVNT	ANT1	3-DH5	2441.00	1.175
NVNT	ANT1	3-DH5	2402.00	1.172
NVNT	ANT1	3-DH5	2480.00	1.172

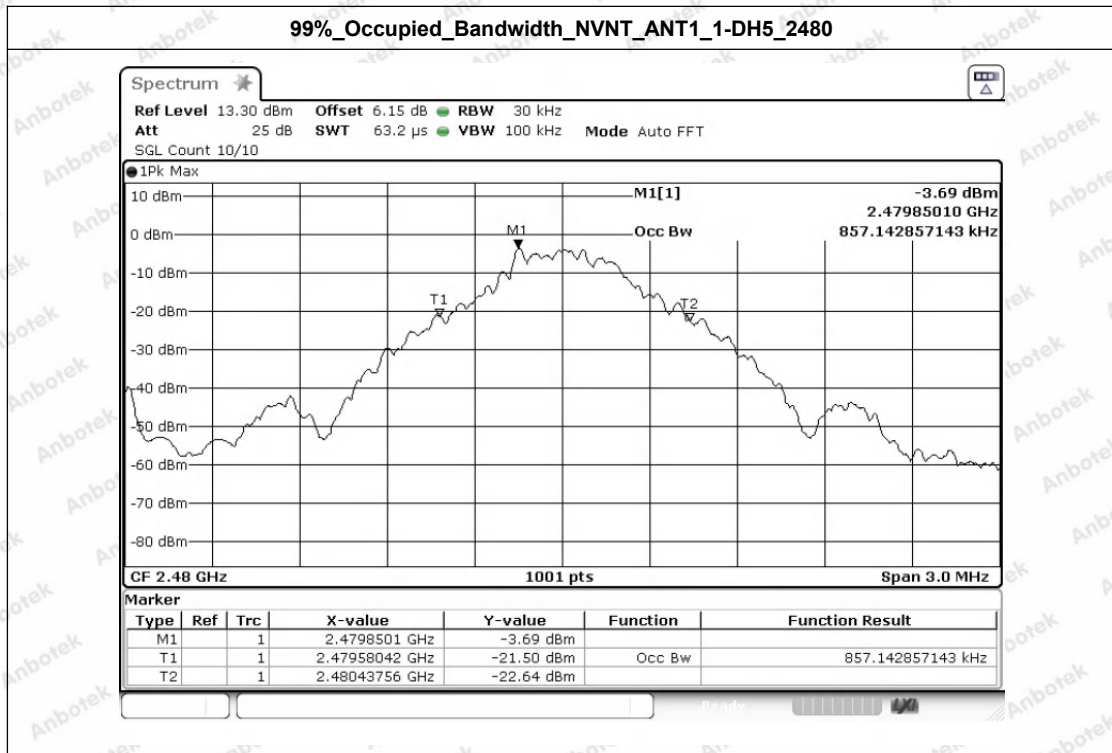


99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2402





99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2480



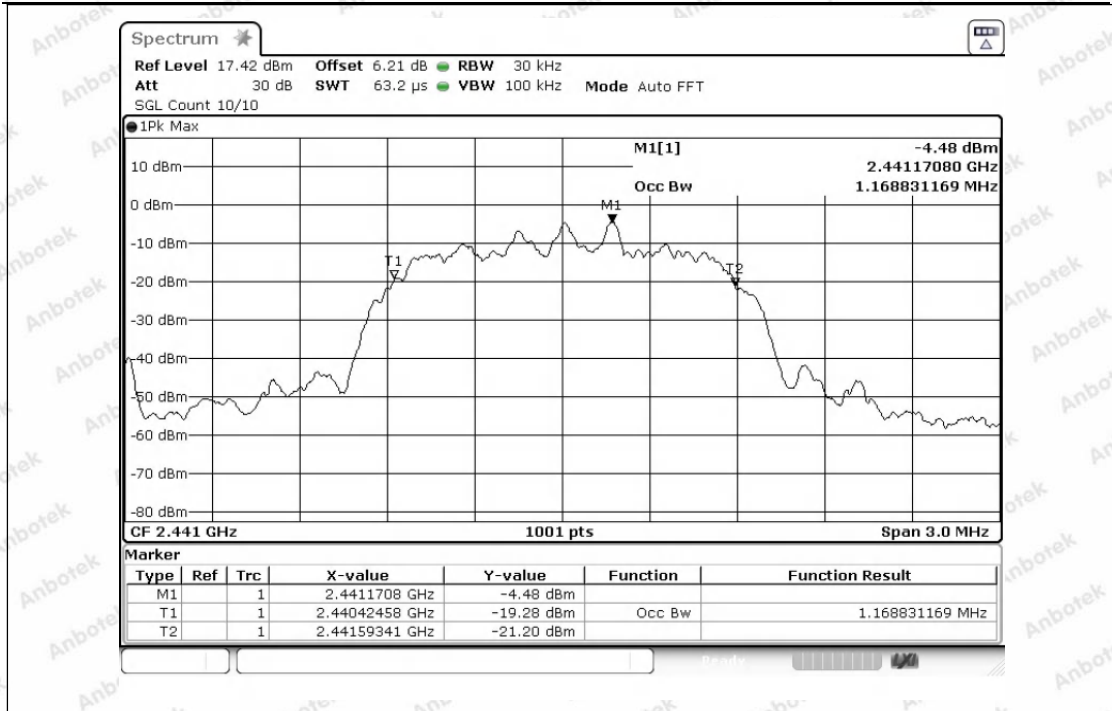
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2441

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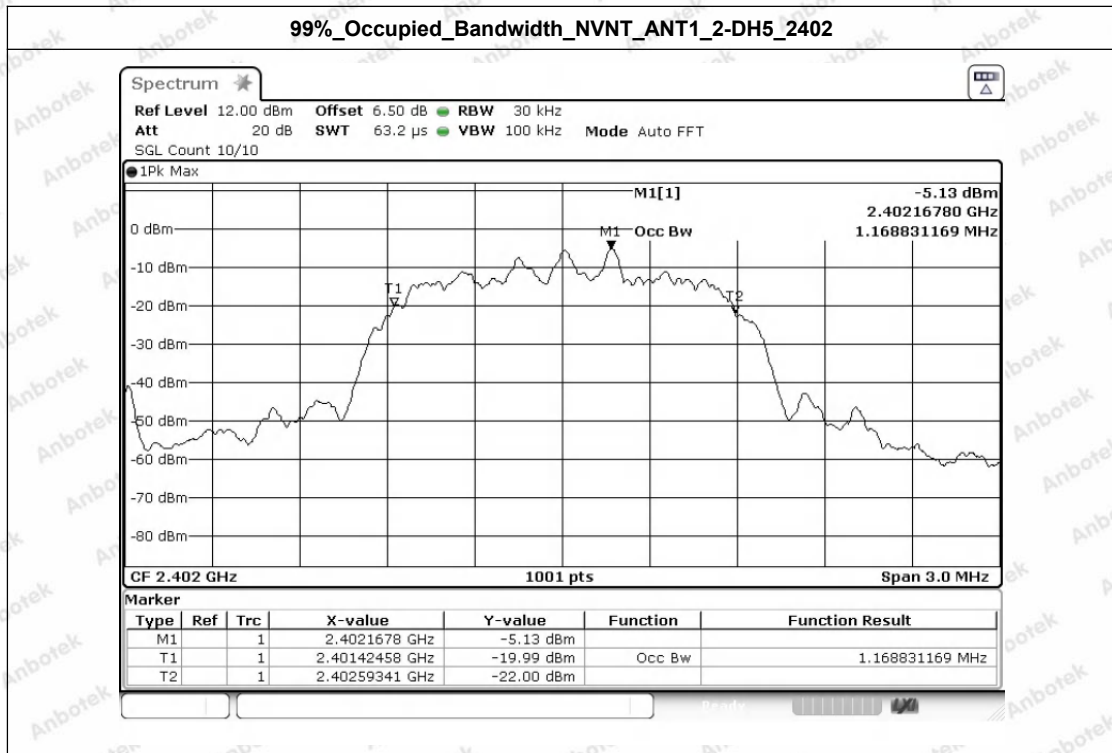
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99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2402



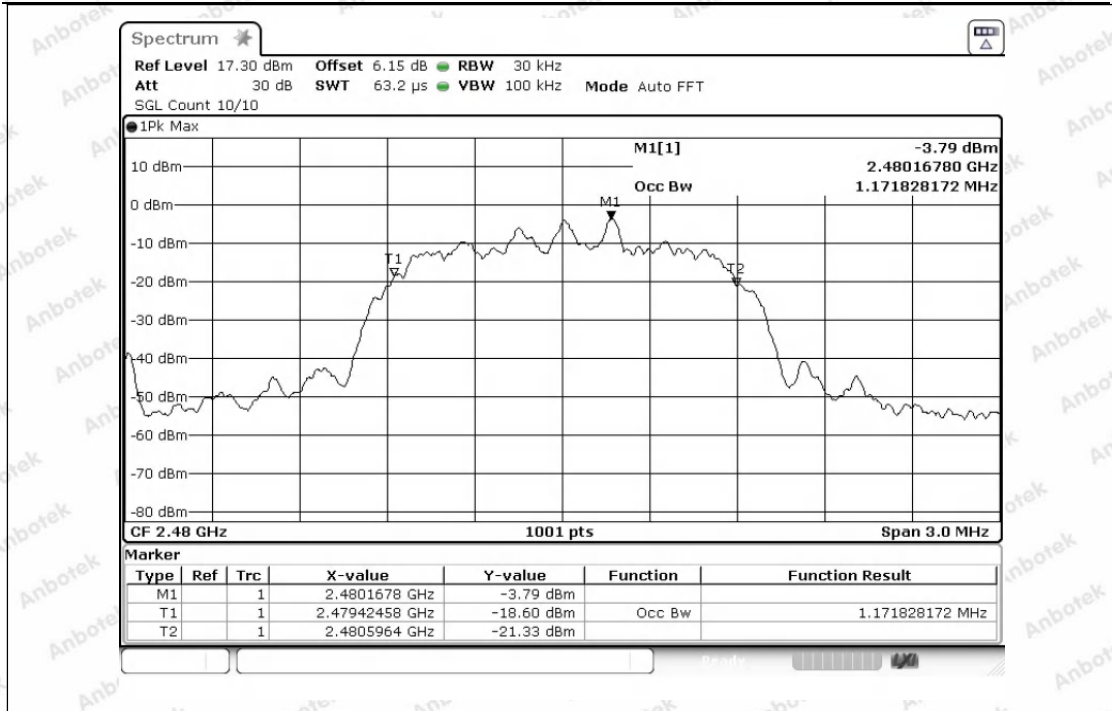
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2480

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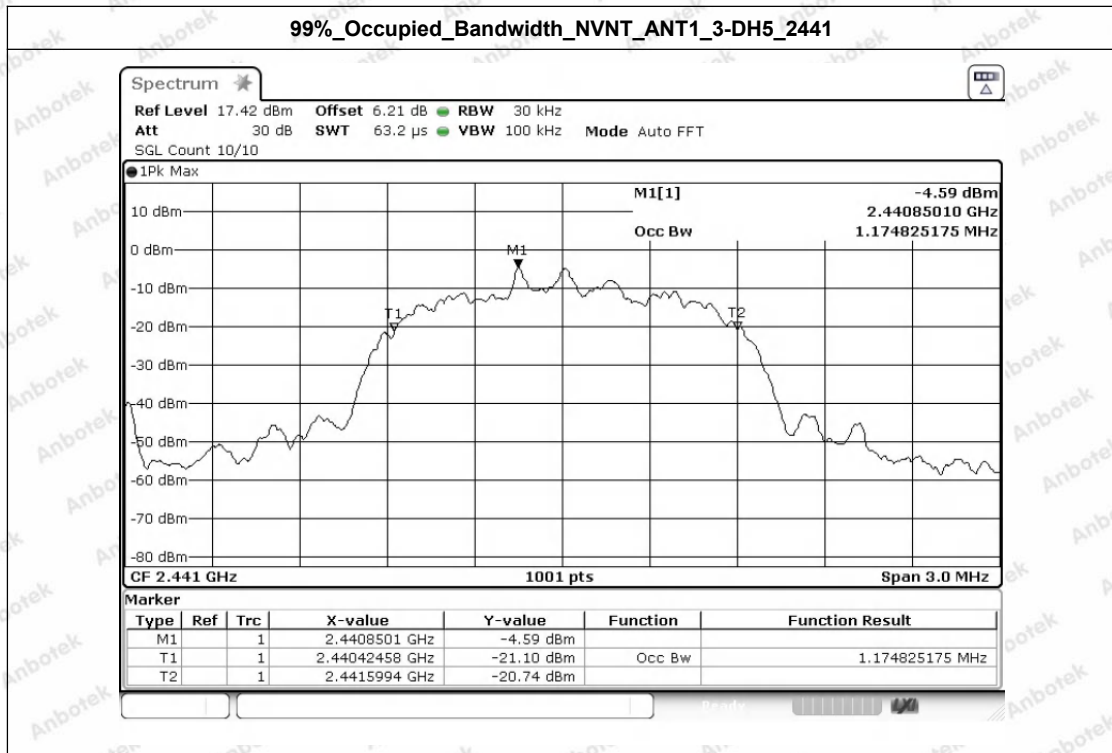
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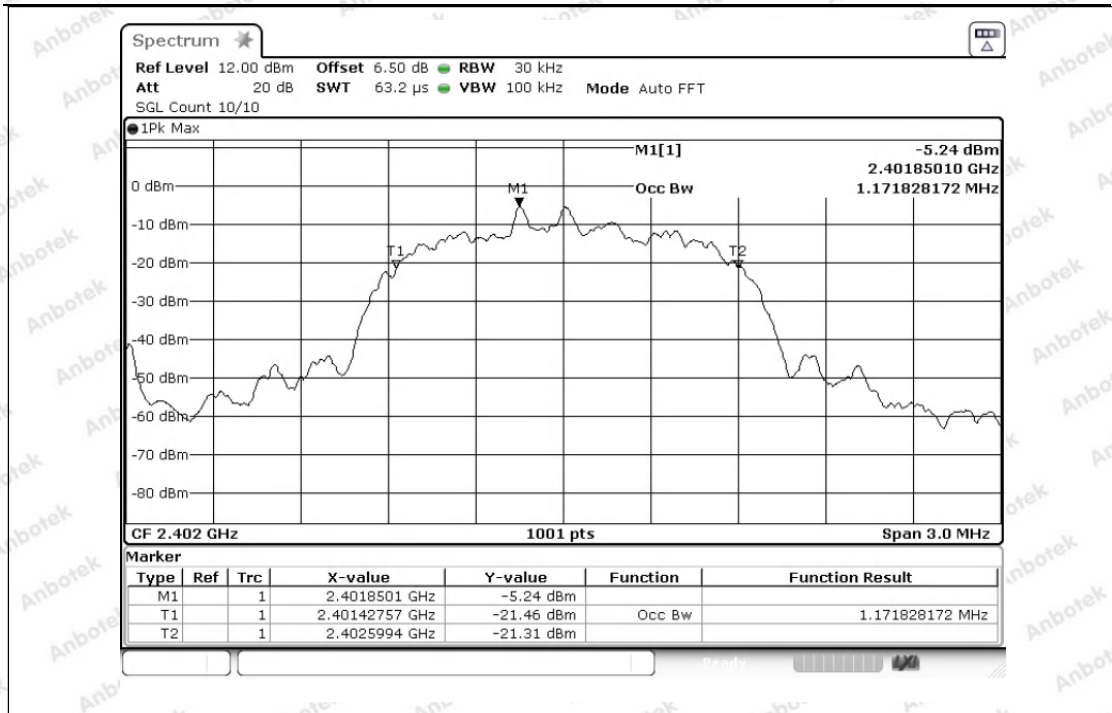


99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2441

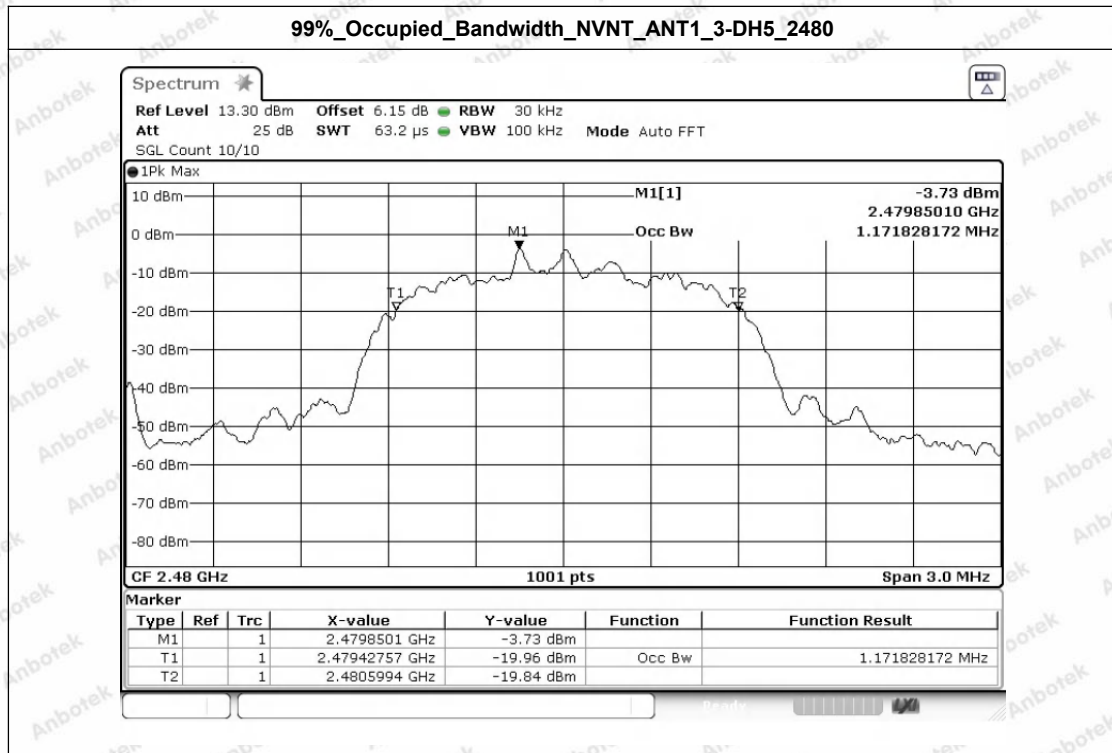


99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2402





99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2480



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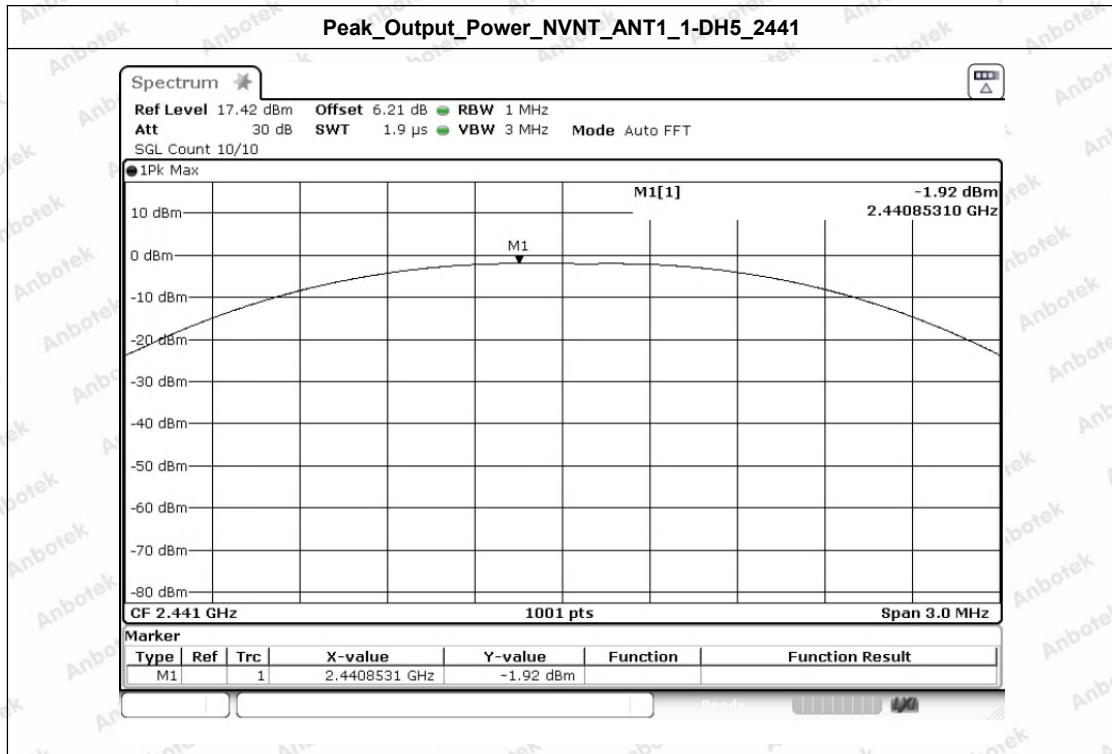
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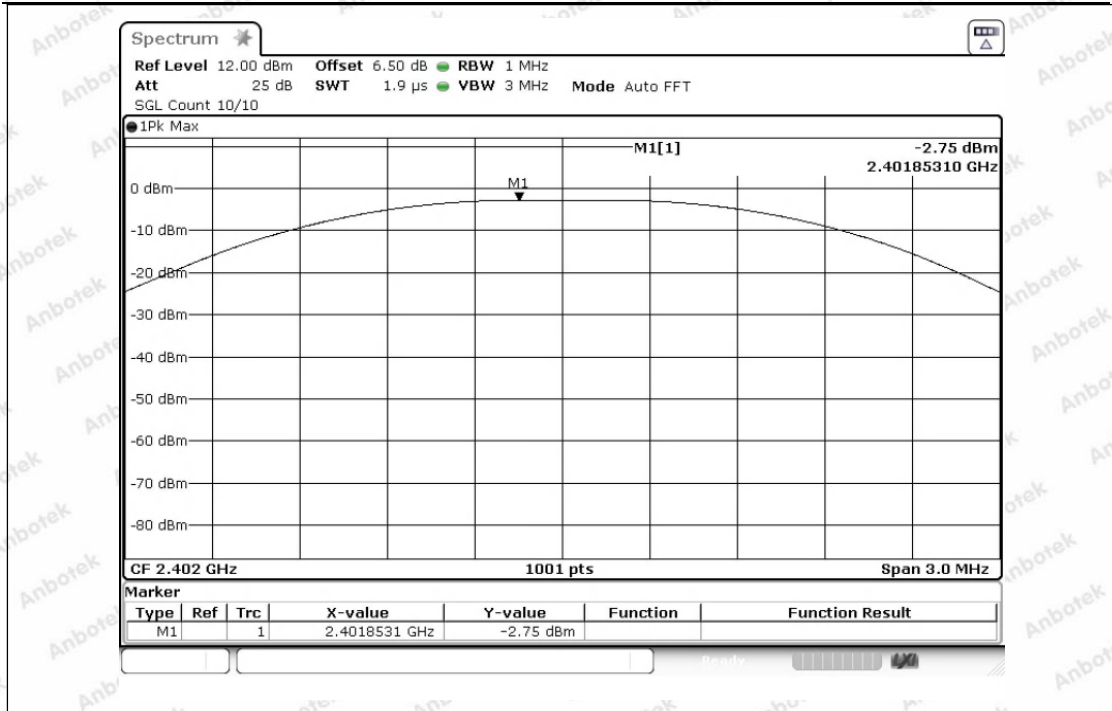
Appendix C: Peak Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH5	2441.00	-1.92	0.64	1000	Pass
NVNT	ANT1	1-DH5	2402.00	-2.75	0.53	1000	Pass
NVNT	ANT1	1-DH5	2480.00	-1.25	0.75	1000	Pass
NVNT	ANT1	2-DH5	2441.00	-1.00	0.79	125	Pass
NVNT	ANT1	2-DH5	2402.00	-1.89	0.65	125	Pass
NVNT	ANT1	2-DH5	2480.00	-0.48	0.89	125	Pass
NVNT	ANT1	3-DH5	2441.00	-0.70	0.85	125	Pass
NVNT	ANT1	3-DH5	2402.00	-1.55	0.70	125	Pass
NVNT	ANT1	3-DH5	2480.00	-0.13	0.97	125	Pass

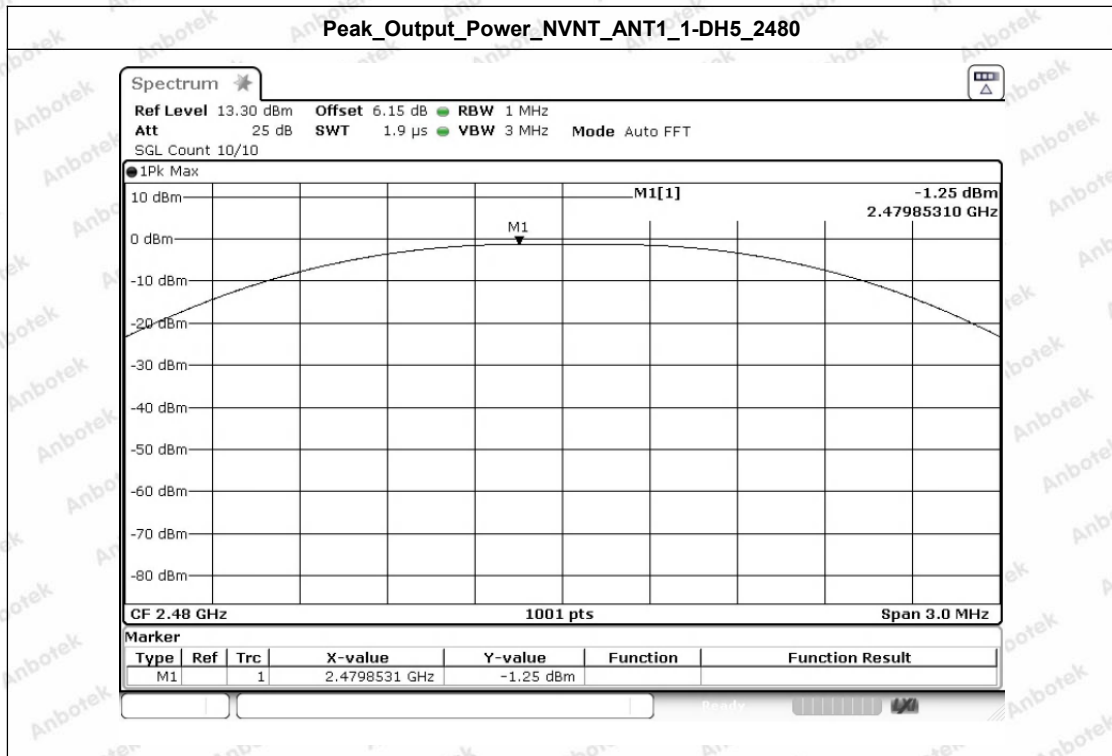


Peak_Output_Power_NVNT_ANT1_1-DH5_2402



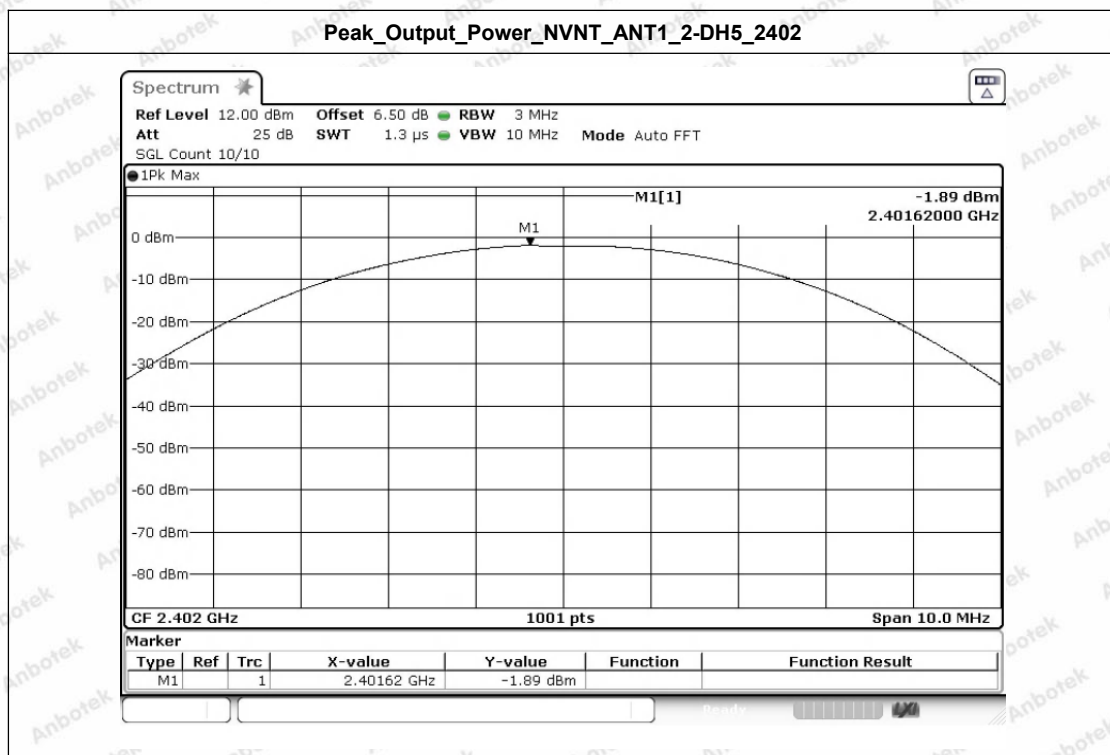
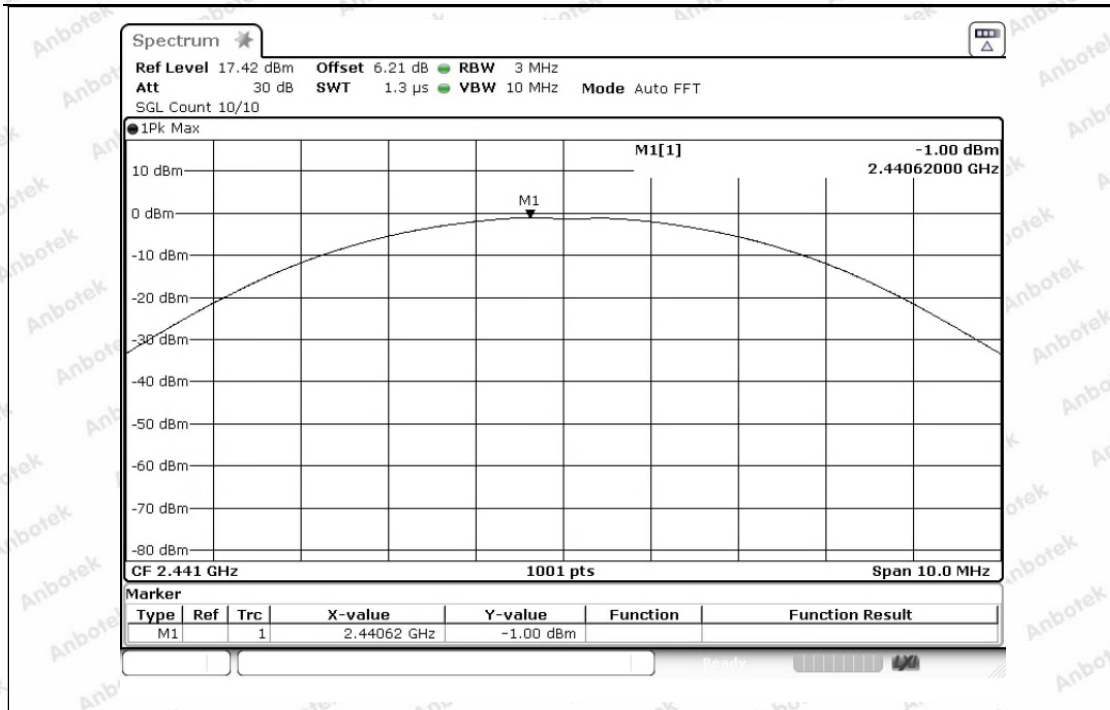


Peak_Output_Power_NVNT_ANT1_1-DH5_2480



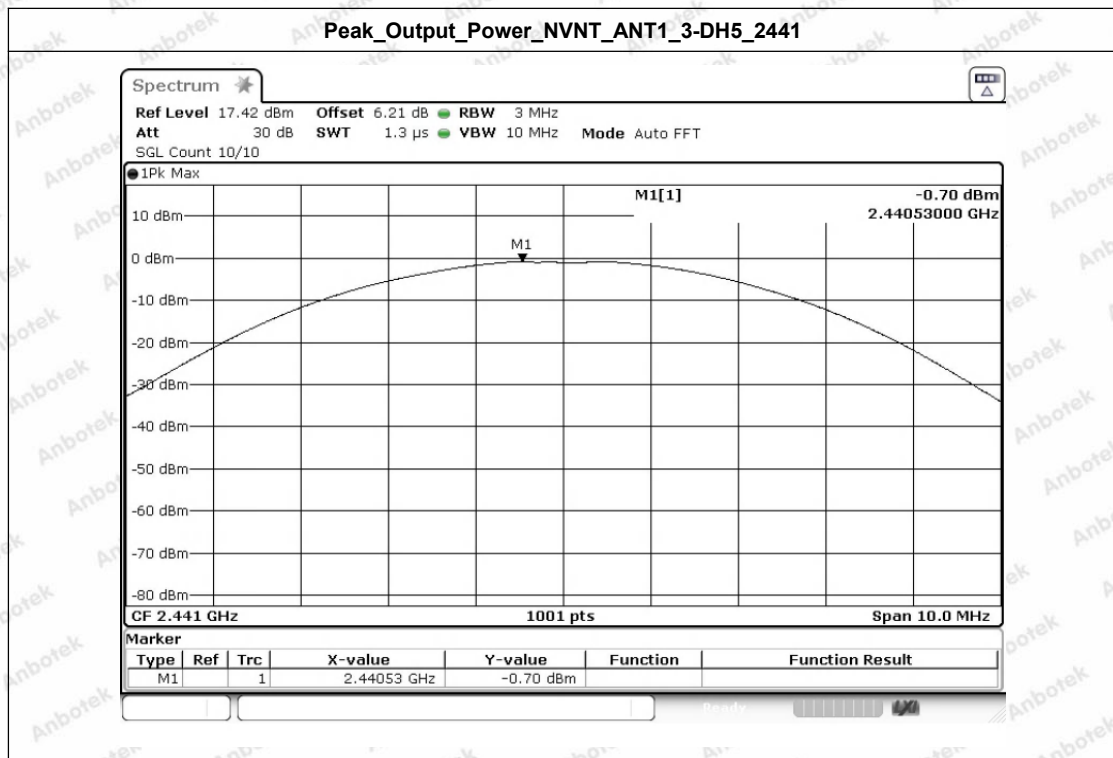
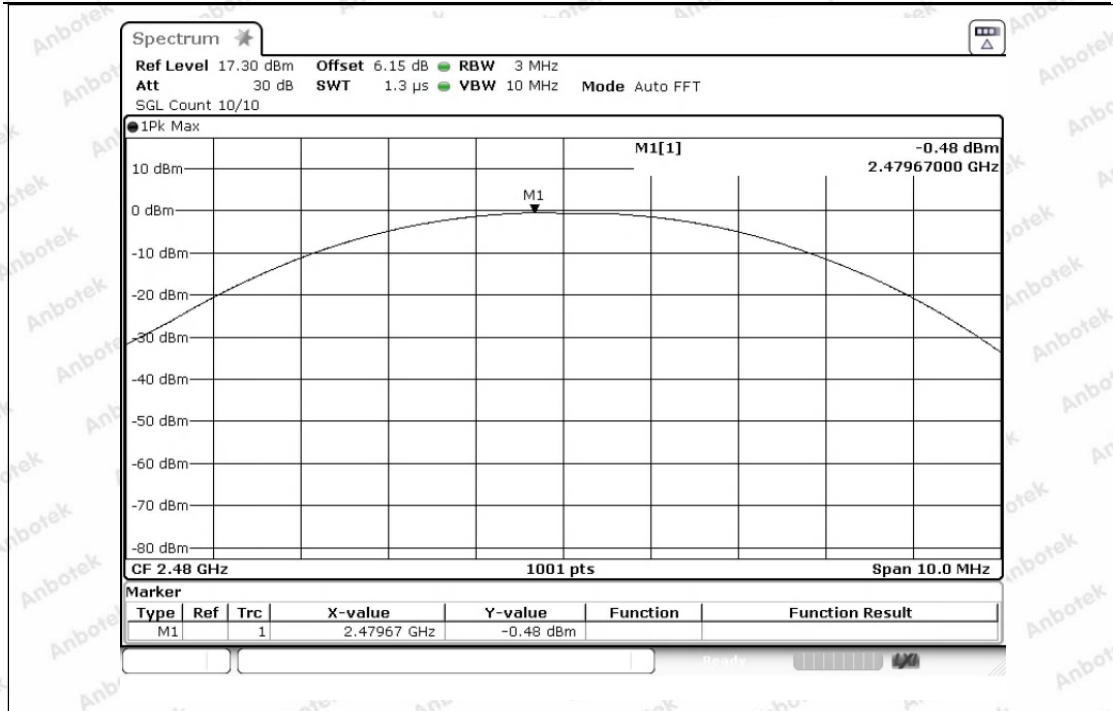
Peak_Output_Power_NVNT_ANT1_2-DH5_2441





Peak Output Power NVNT_ANT1_2-DH5_2480





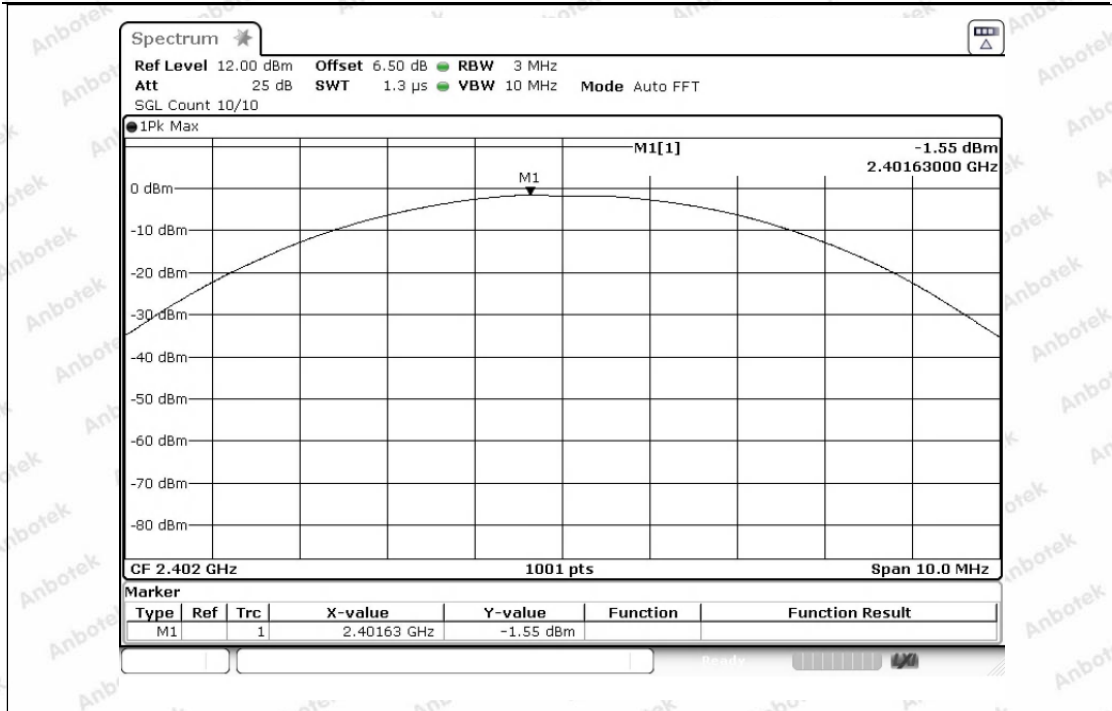
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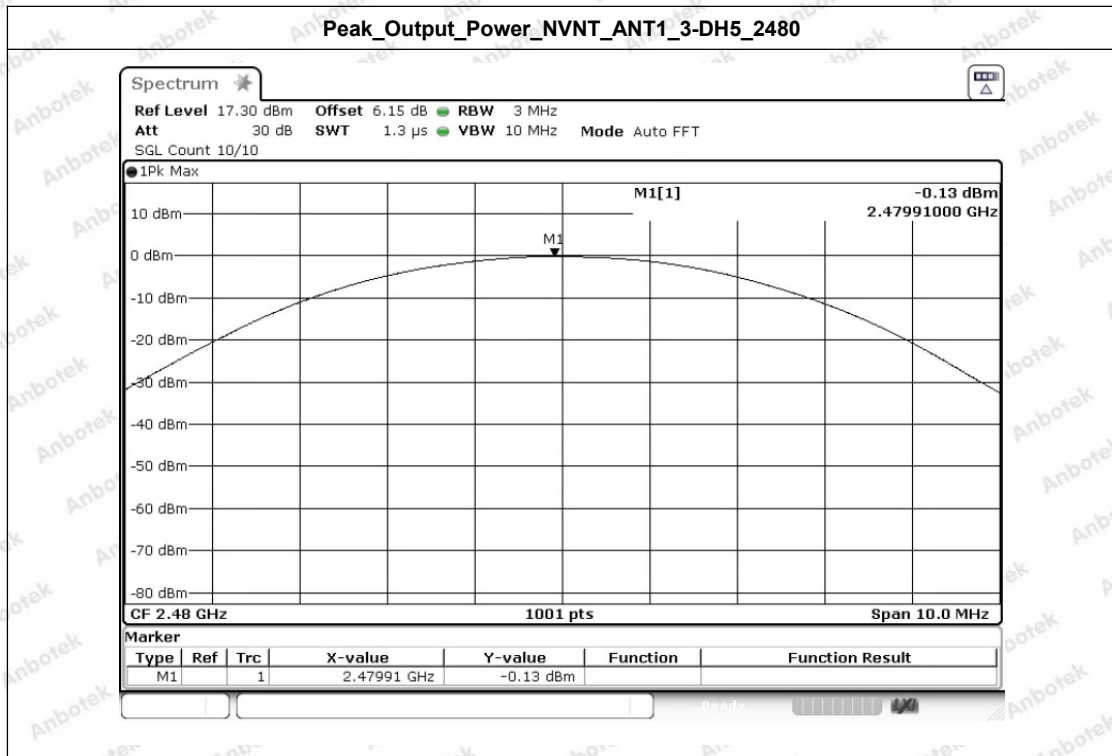


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Peak_Output_Power_NVNT_ANT1_3-DH5_2480



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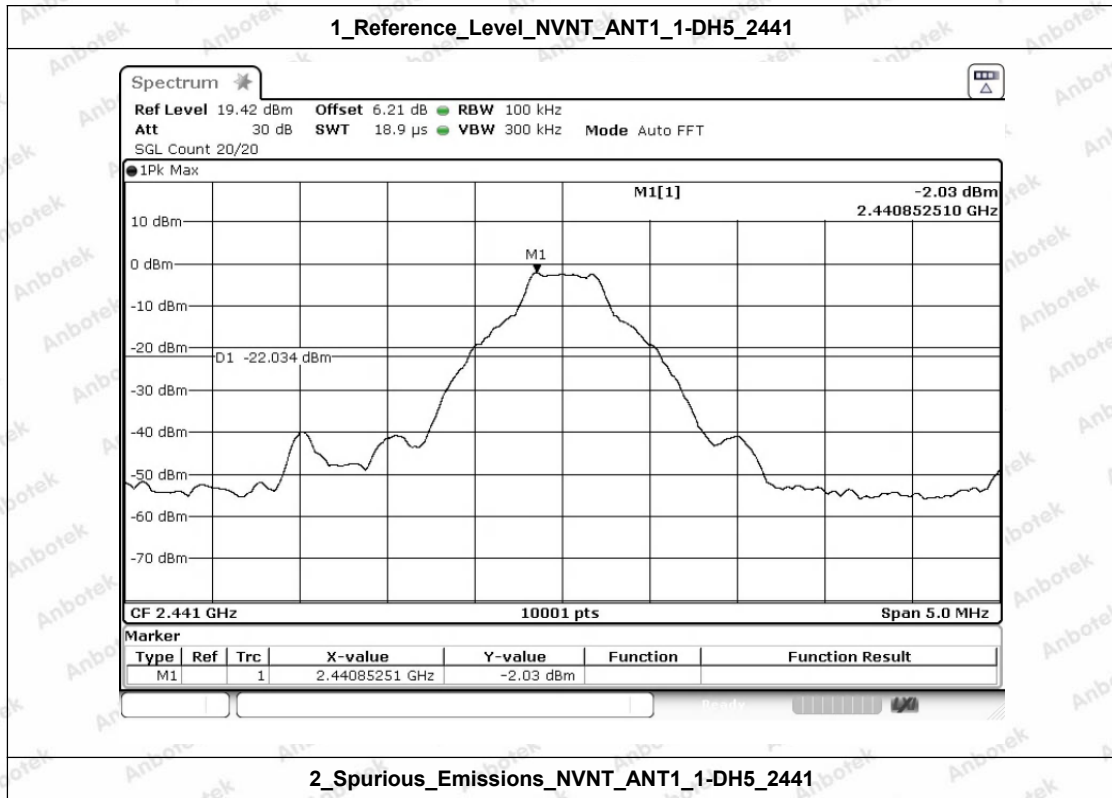
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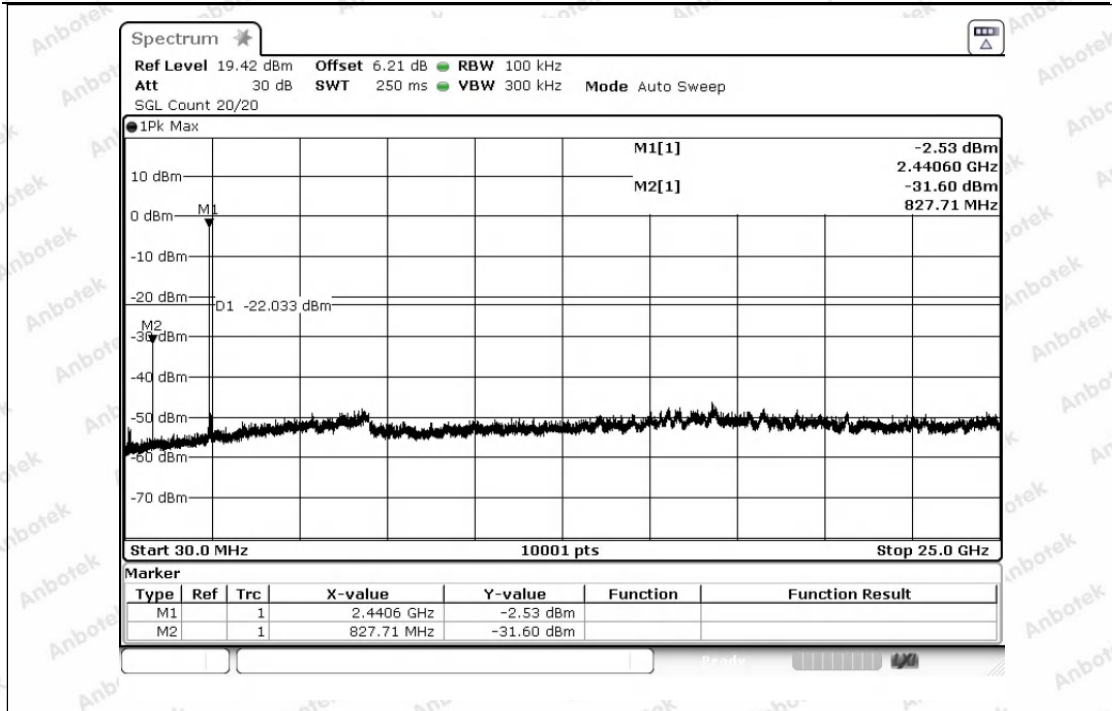
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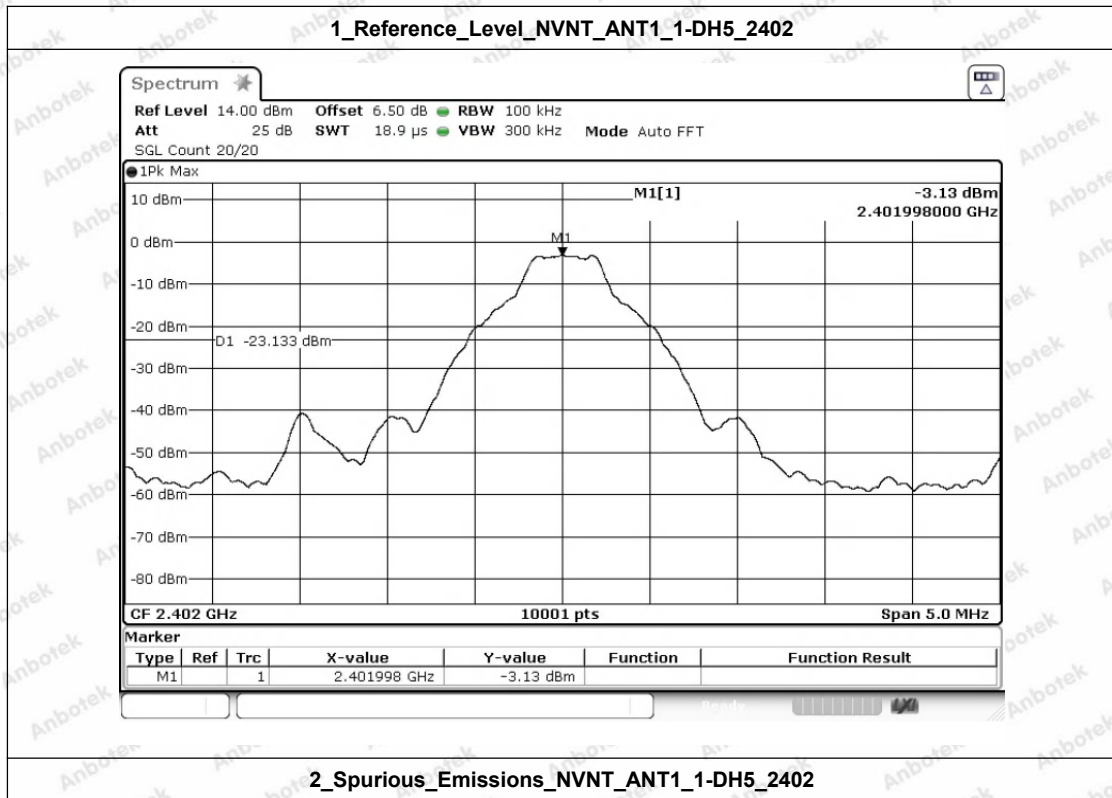
Appendix D: Spurious Emissions

Condition	Antenna	Modulation	TX Mode	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2441.00	-31.601	-22.033	Pass
NVNT	ANT1	1-DH5	2402.00	-33.496	-23.132	Pass
NVNT	ANT1	1-DH5	2480.00	-45.278	-21.278	Pass
NVNT	ANT1	2-DH5	2441.00	-46.207	-22.027	Pass
NVNT	ANT1	2-DH5	2402.00	-47.890	-22.833	Pass
NVNT	ANT1	2-DH5	2480.00	-47.144	-21.378	Pass
NVNT	ANT1	3-DH5	2441.00	-51.117	-21.963	Pass
NVNT	ANT1	3-DH5	2402.00	-51.484	-22.937	Pass
NVNT	ANT1	3-DH5	2480.00	-47.421	-21.858	Pass



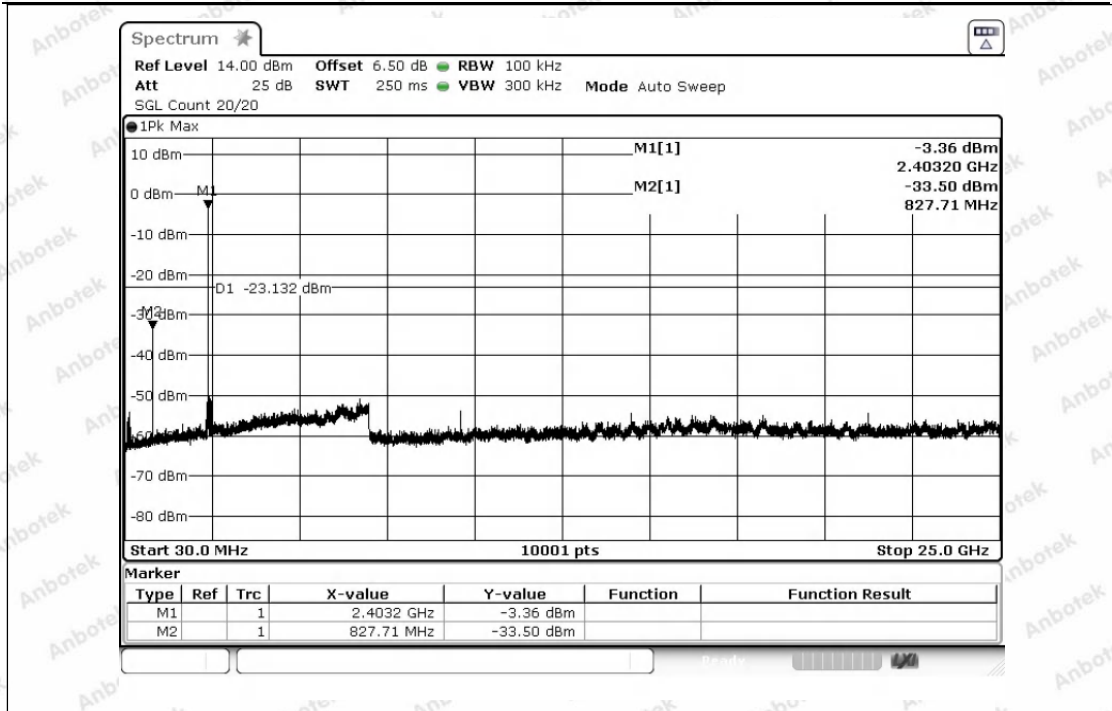


1_Reference_Level_NVNT_ANT1_1-DH5_2402

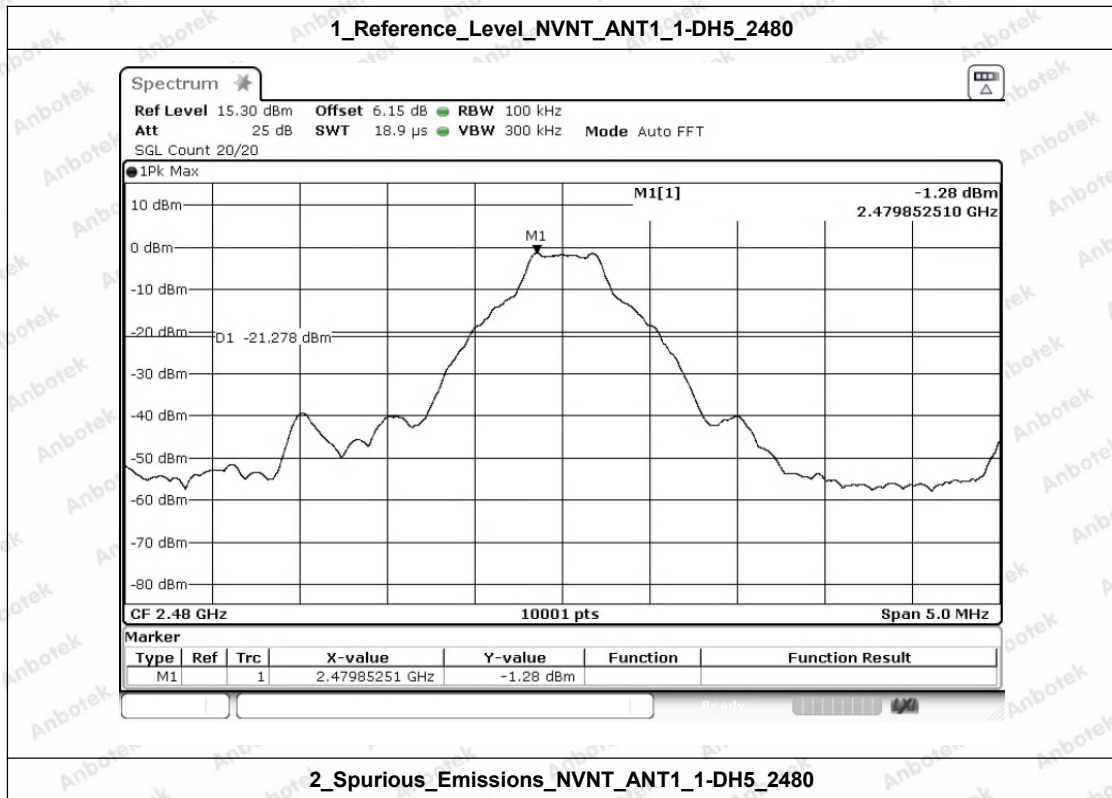


2_Spurious_Emissions_NVNT_ANT1_1-DH5_2402



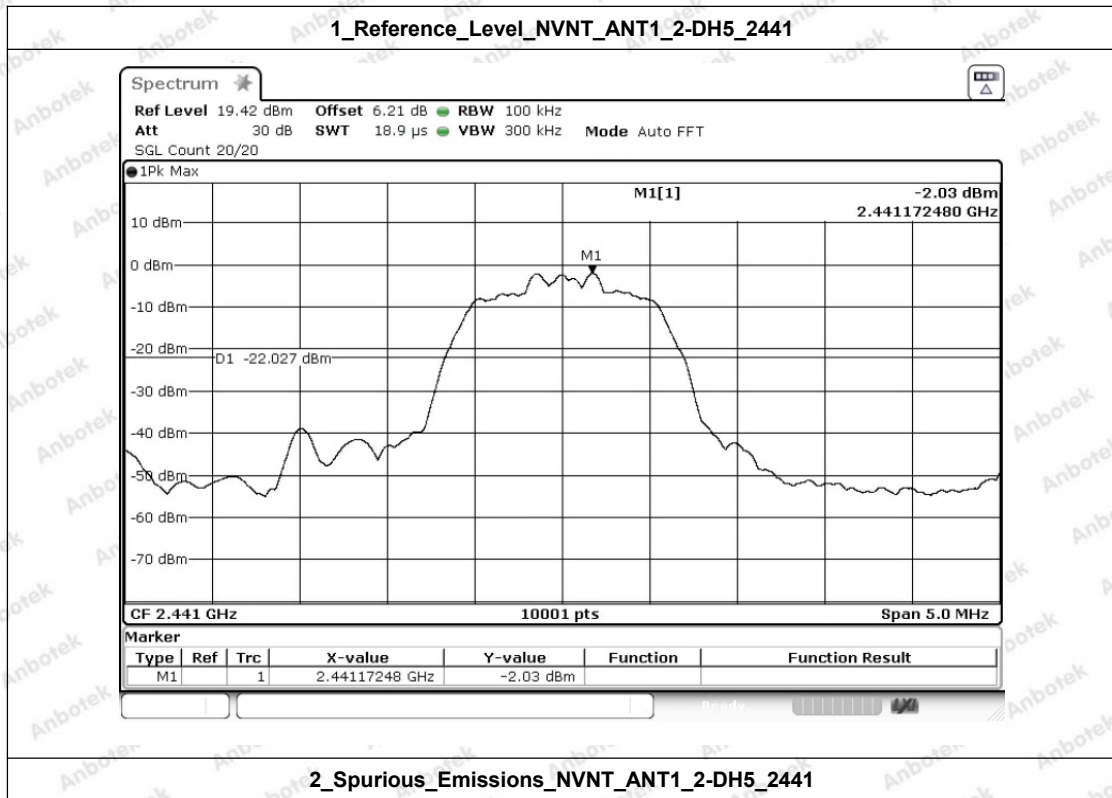
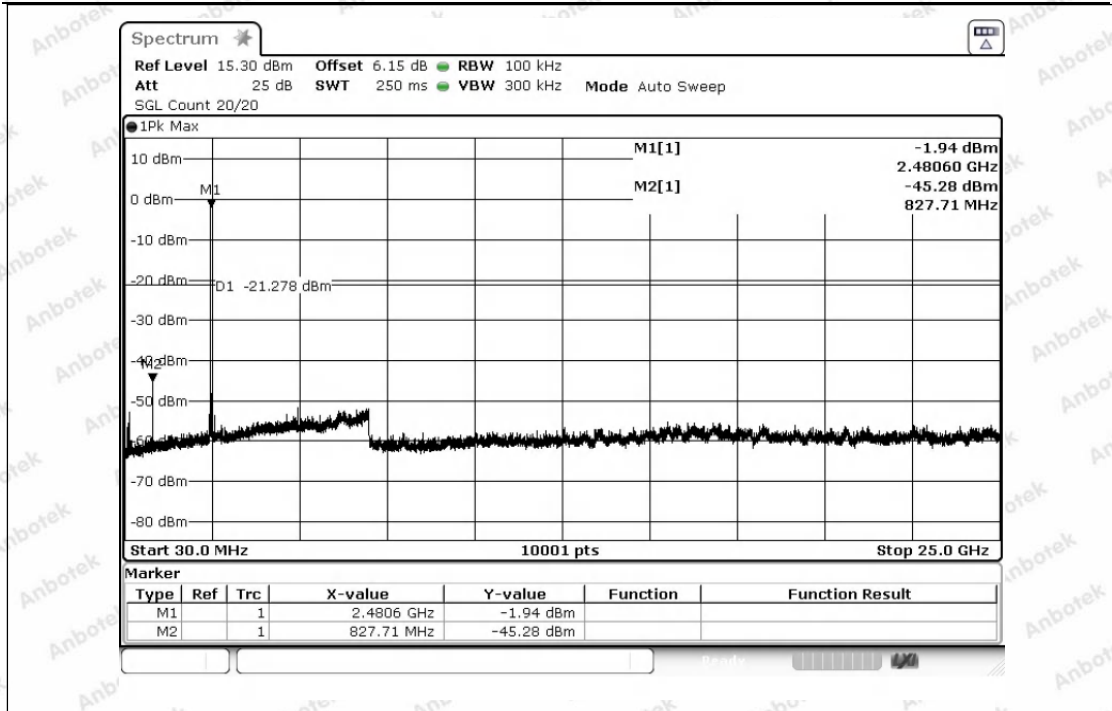


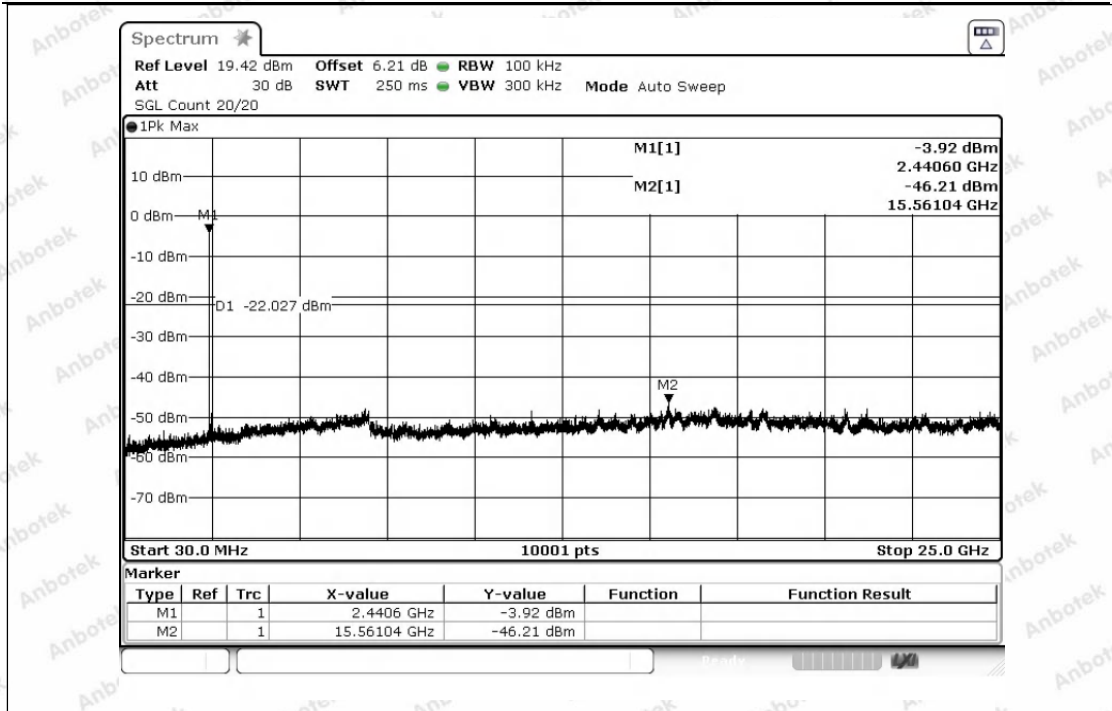
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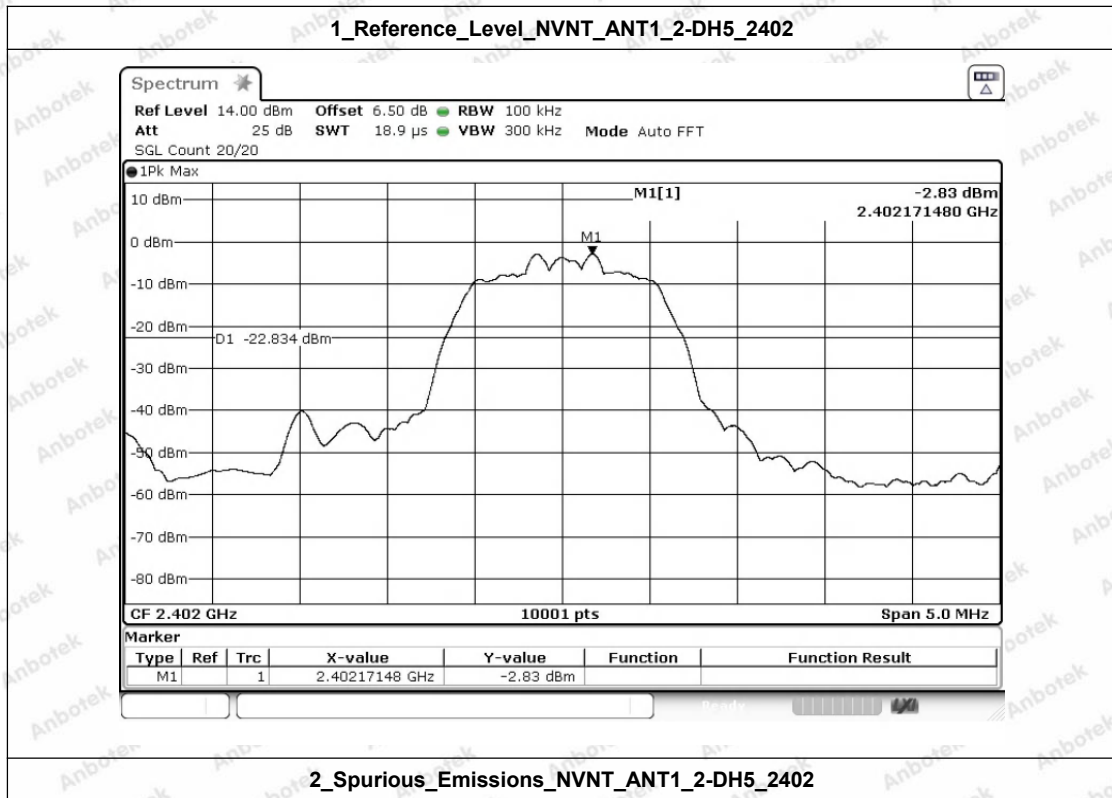
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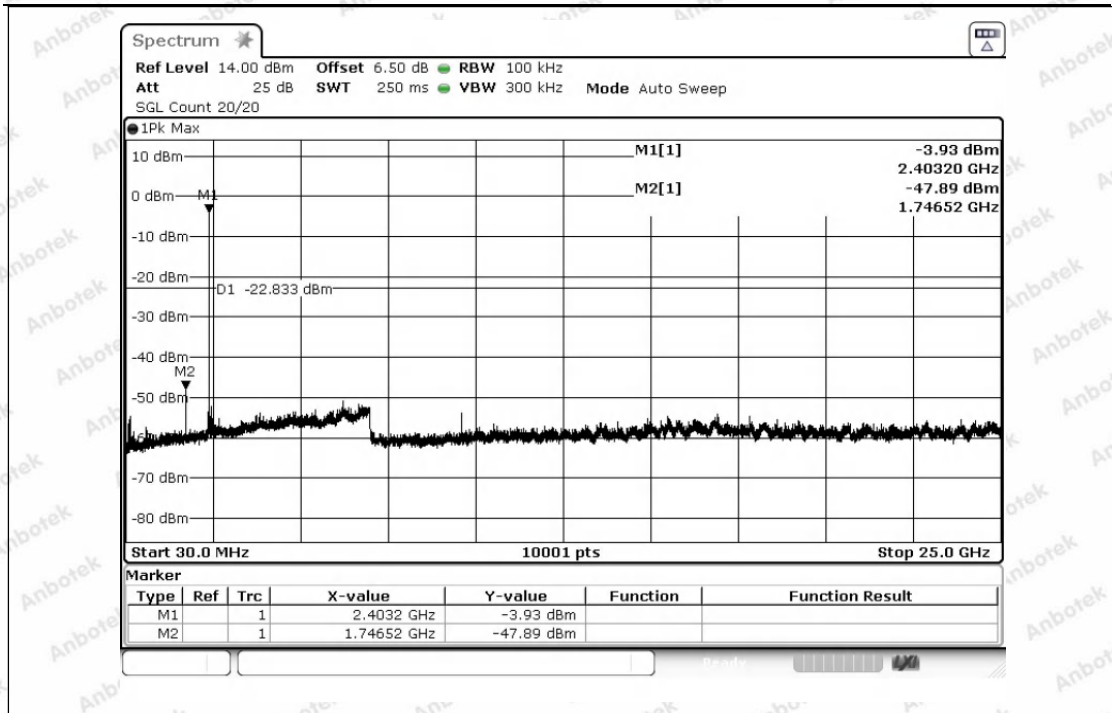


1_Reference_Level_NVNT_ANT1_2-DH5_2402

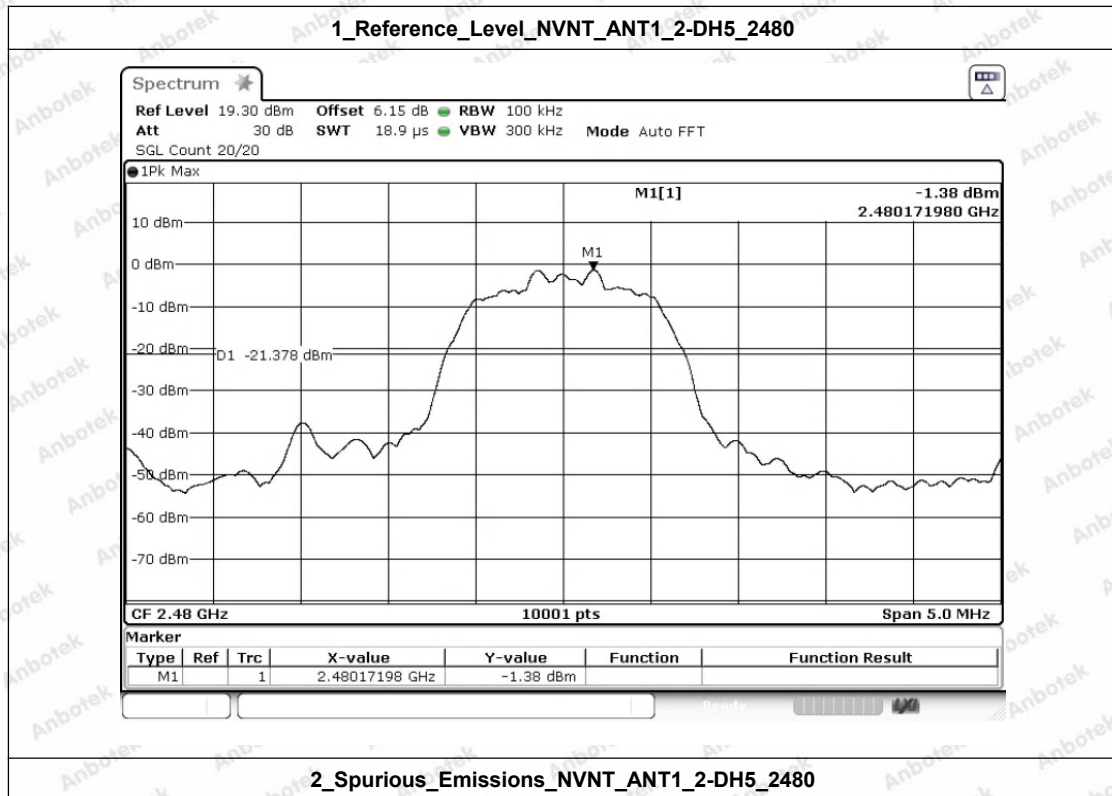


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2402



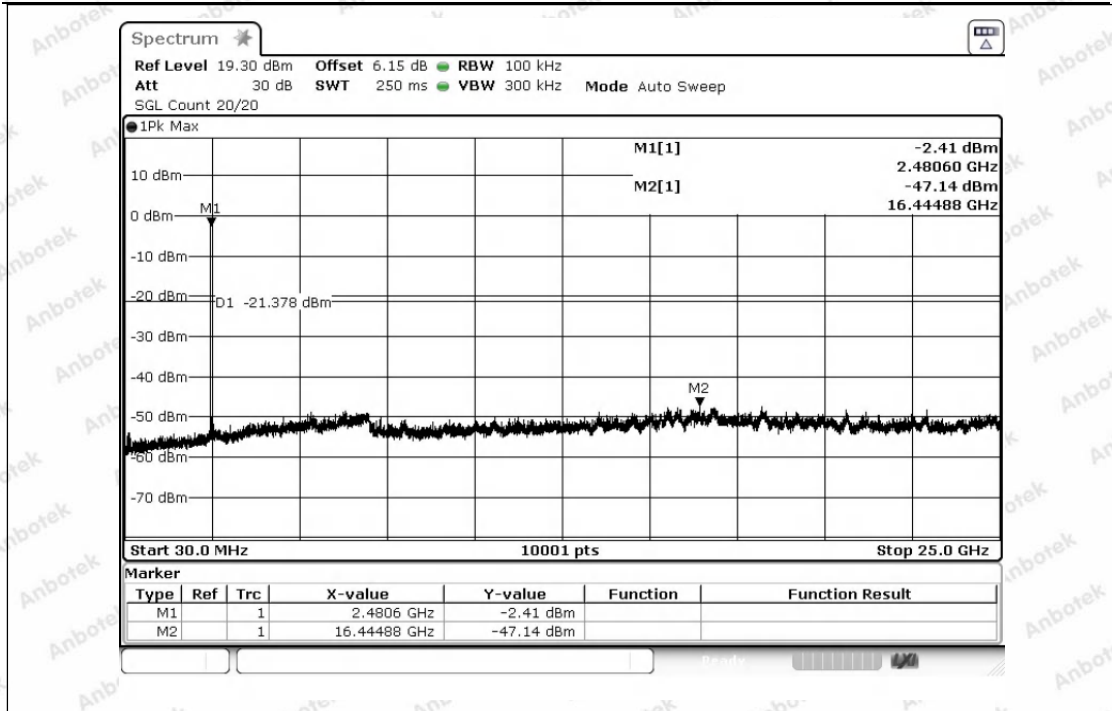


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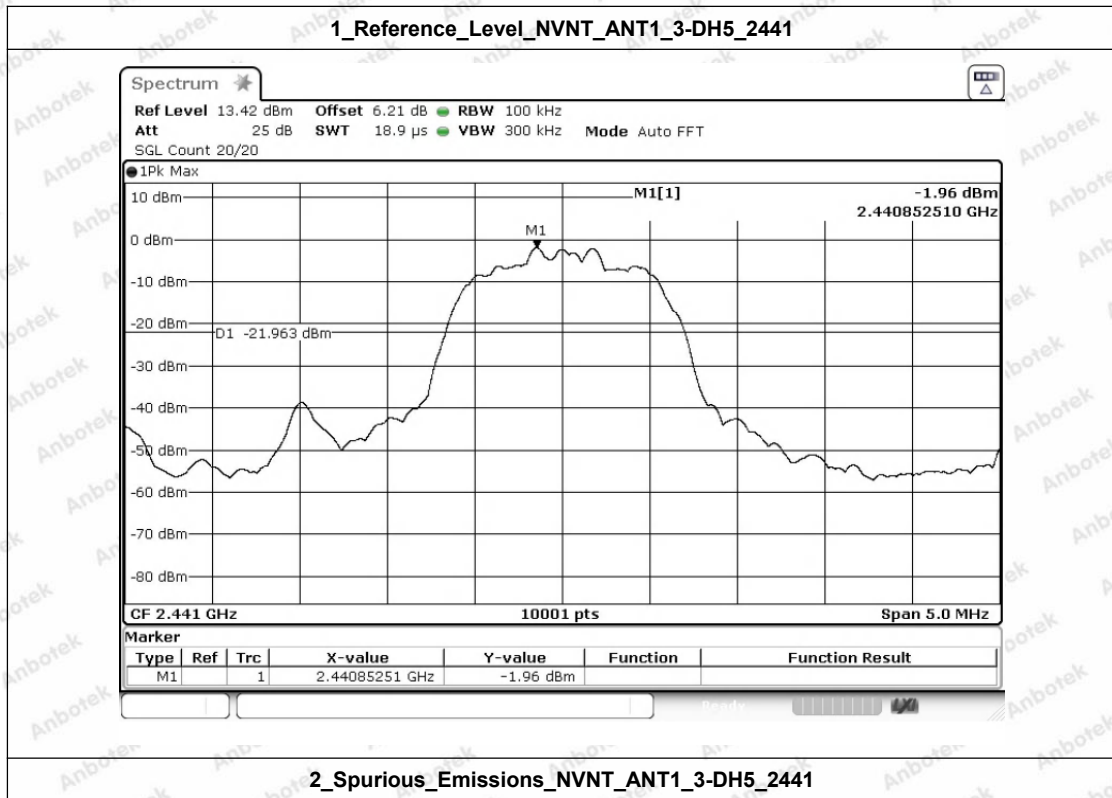


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2480





1_Reference_Level_NVNT_ANT1_3-DH5_2441



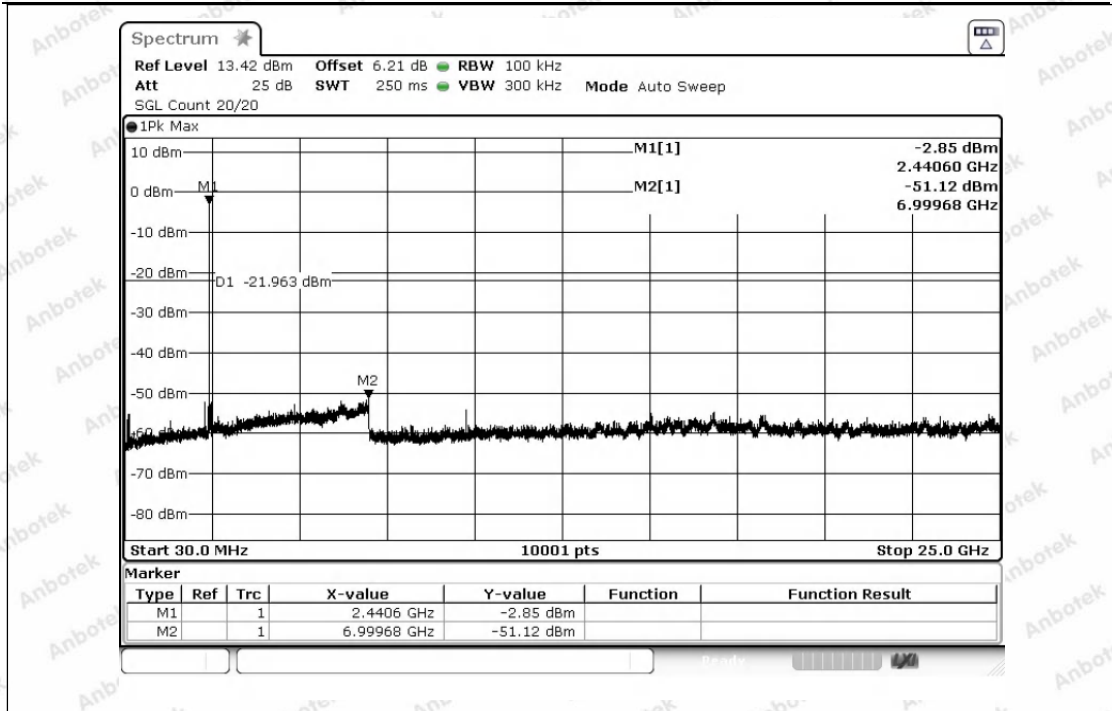
2_Spurious_Emissions_NVNT_ANT1_3-DH5_2441

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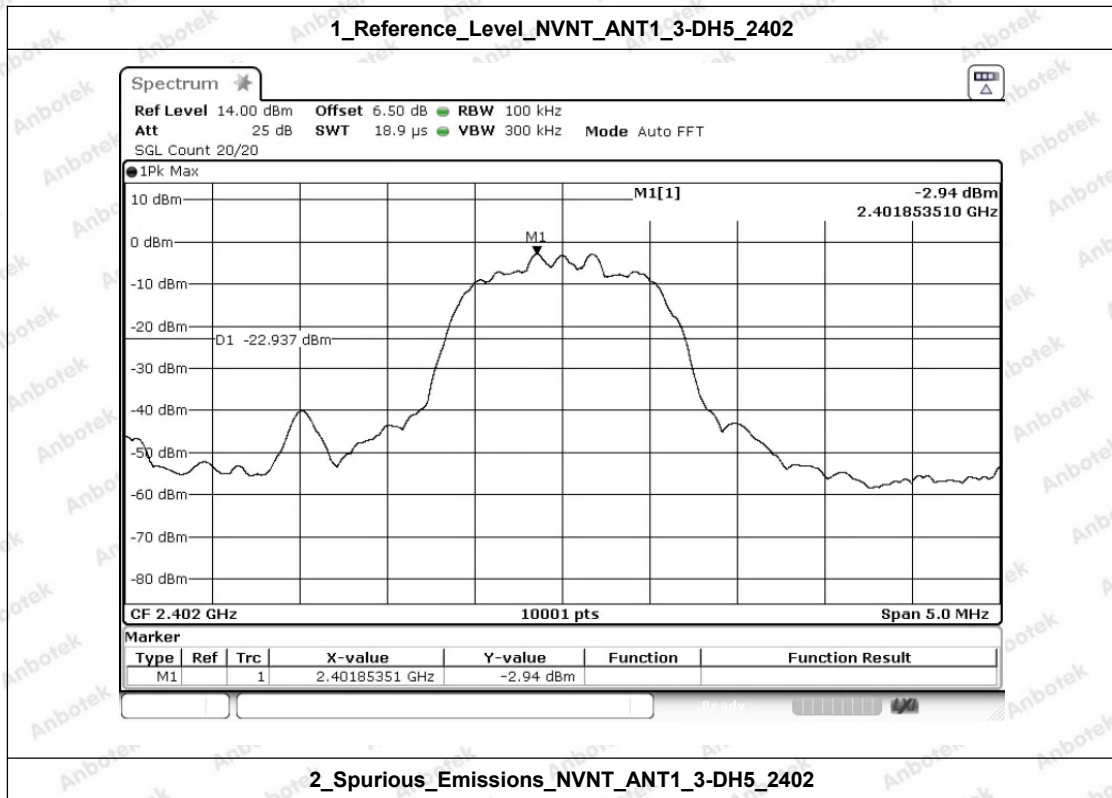
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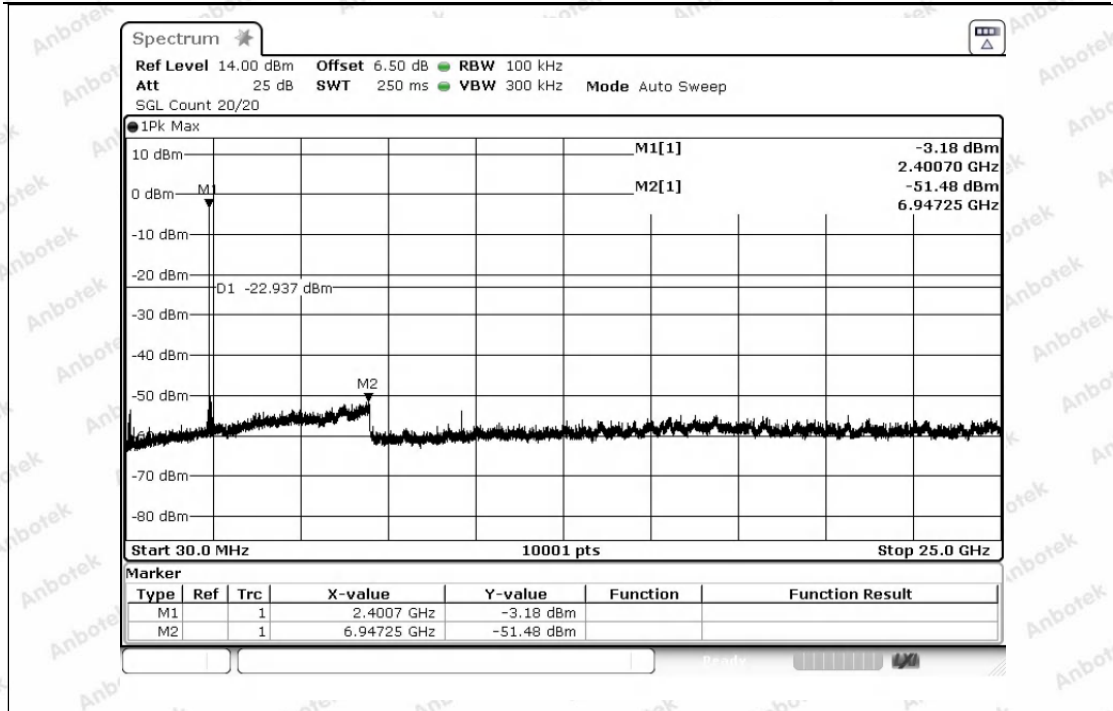


1_Reference_Level_NVNT_ANT1_3-DH5_2402

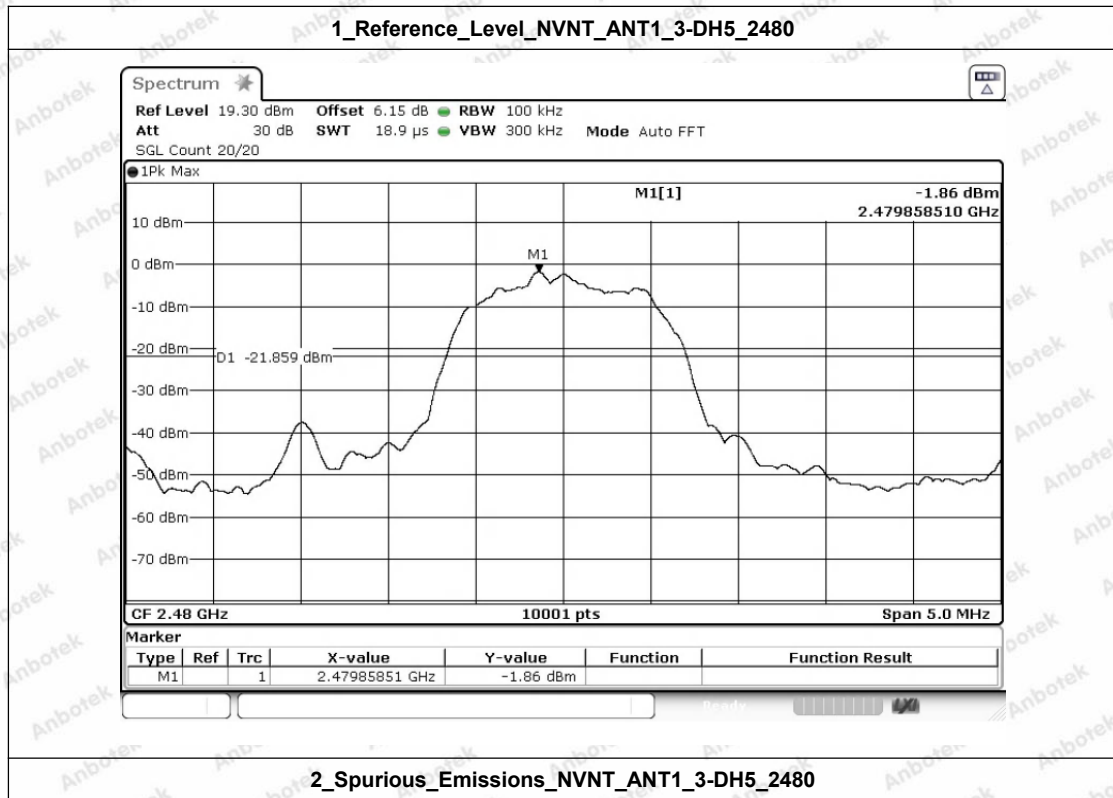


2_Spurious_Emissions_NVNT_ANT1_3-DH5_2402





1_Reference_Level_NVNT_ANT1_3-DH5_2480



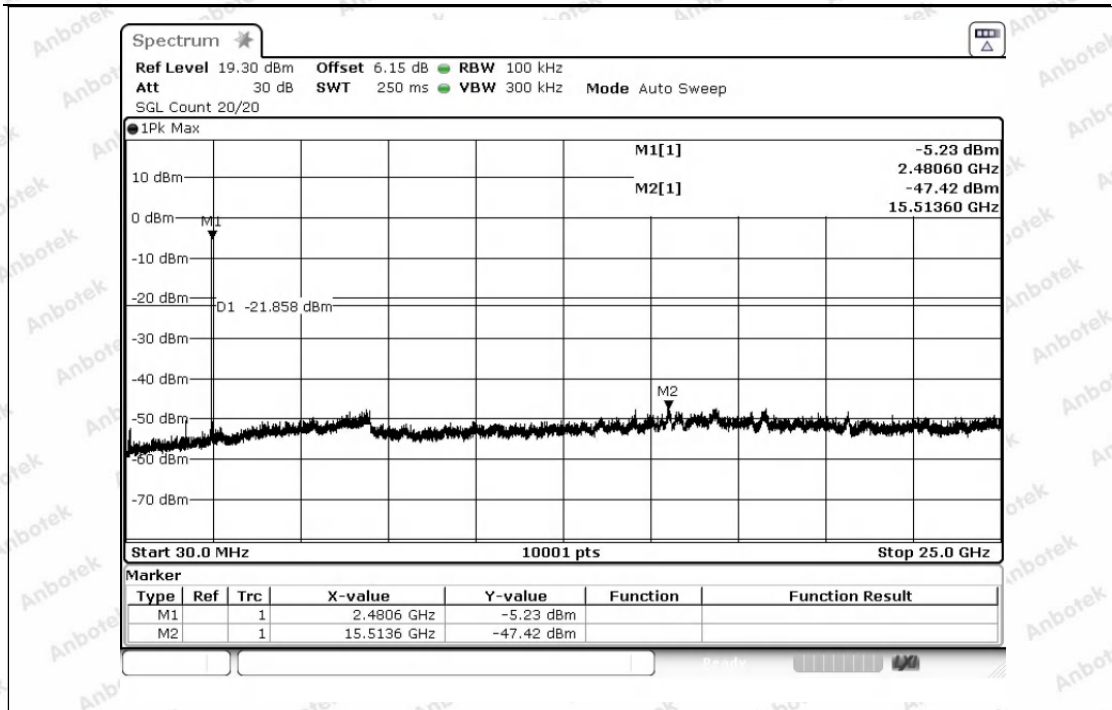
2_Spurious_Emissions_NVNT_ANT1_3-DH5_2480

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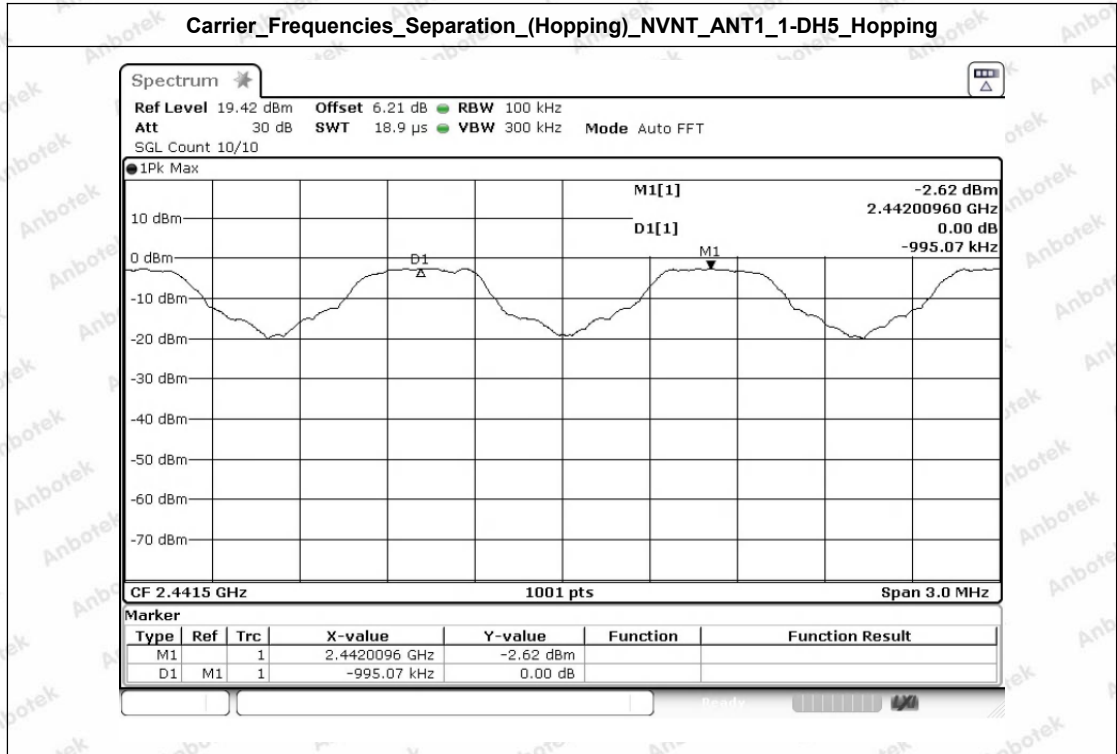
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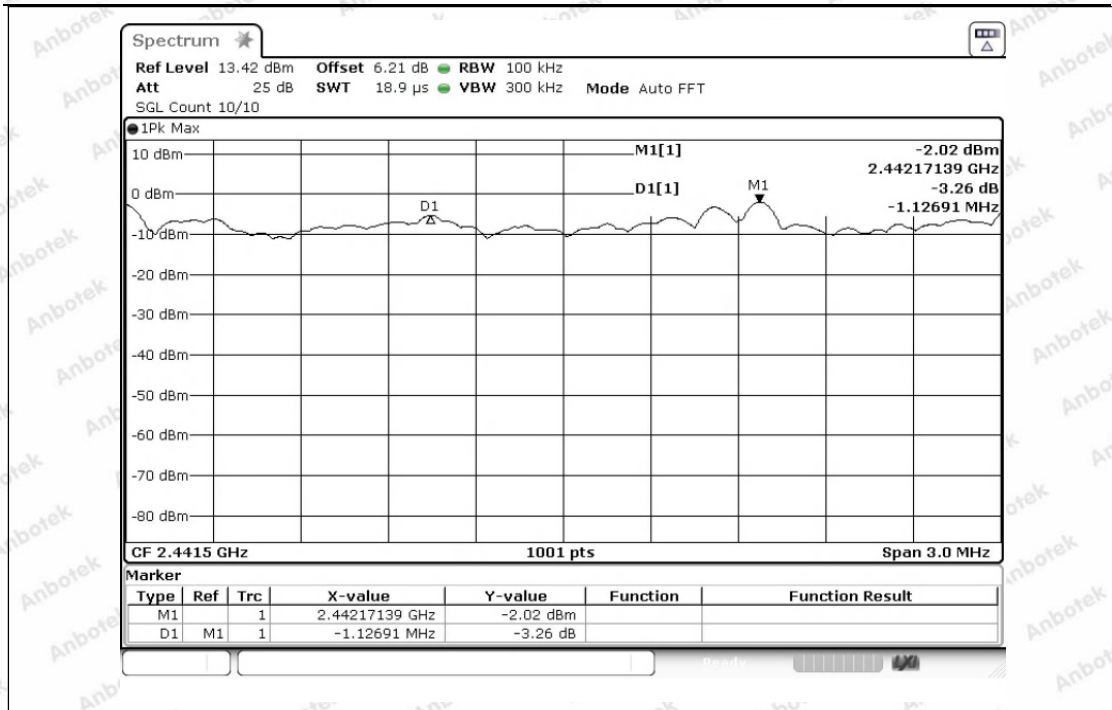
Appendix E: Carrier Frequencies Separation (Hopping)

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	2441.015	2442.010	1.00	0.941	Pass
NVNT	ANT1	2-DH5	2441.00	2441.044	2442.171	1.13	0.851	Pass
NVNT	ANT1	3-DH5	2441.00	2441.080	2441.991	0.91	0.855	Pass

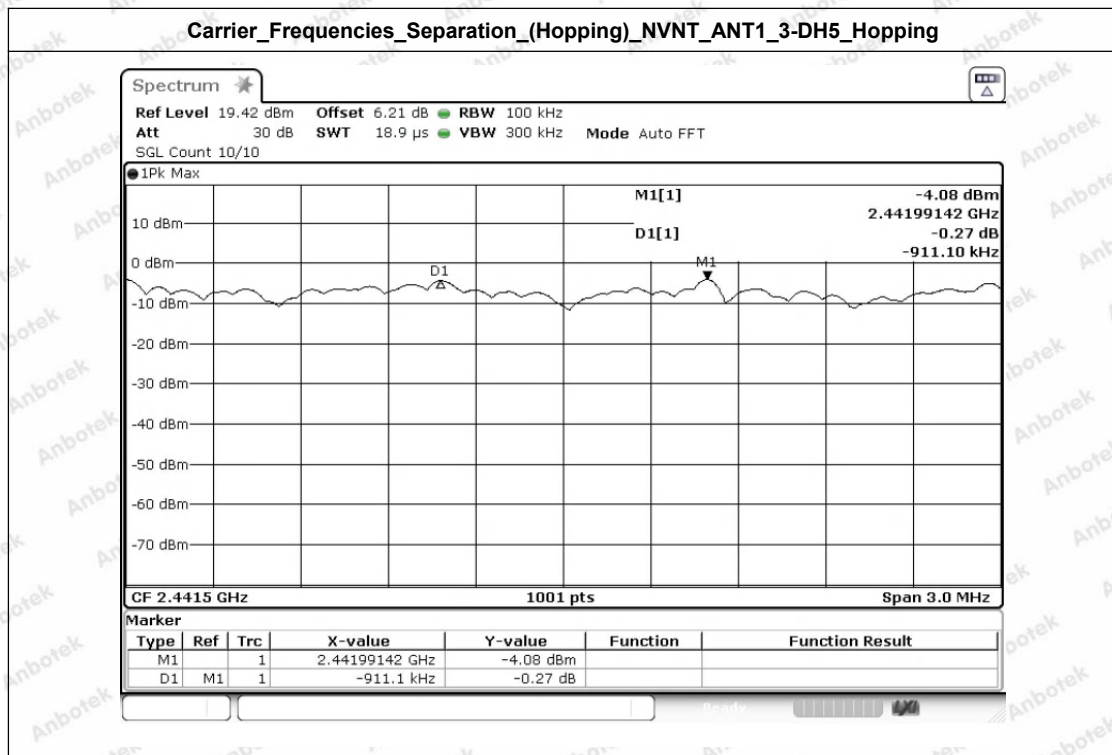


Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH5_Hopping



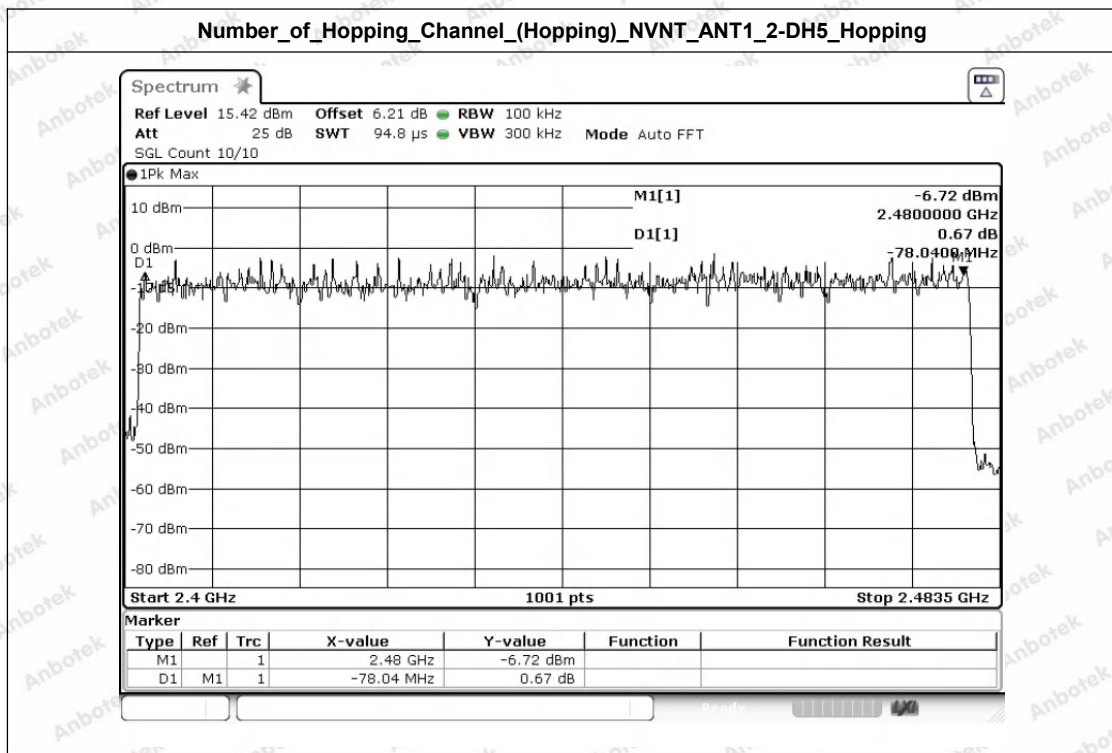
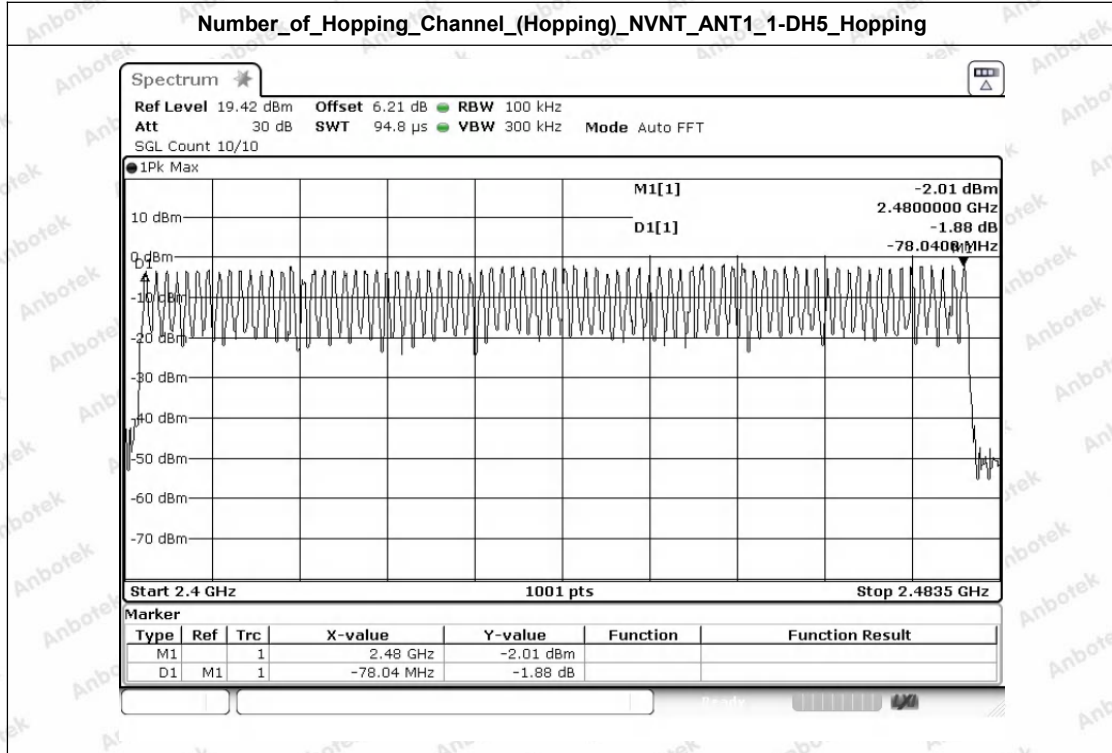


Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH5_Hopping



Appendix F: Number of Hopping Channel (Hopping)

Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH5	79	15	Pass
NVNT	ANT1	2-DH5	79	15	Pass
NVNT	ANT1	3-DH5	79	15	Pass

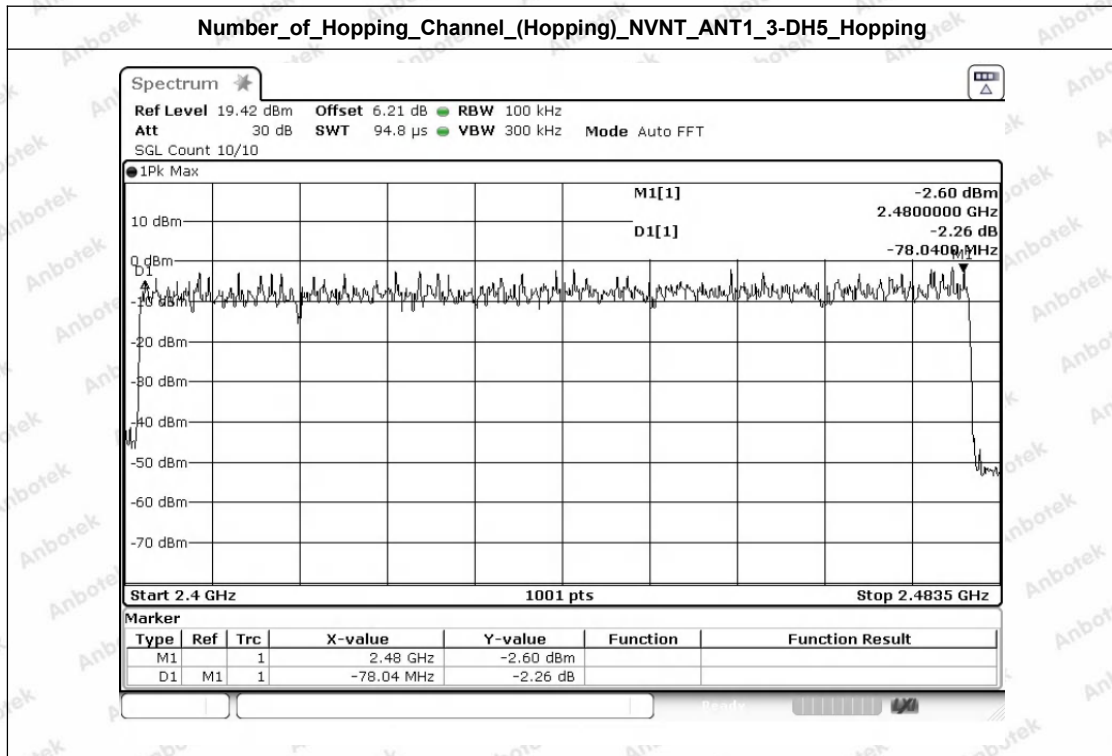


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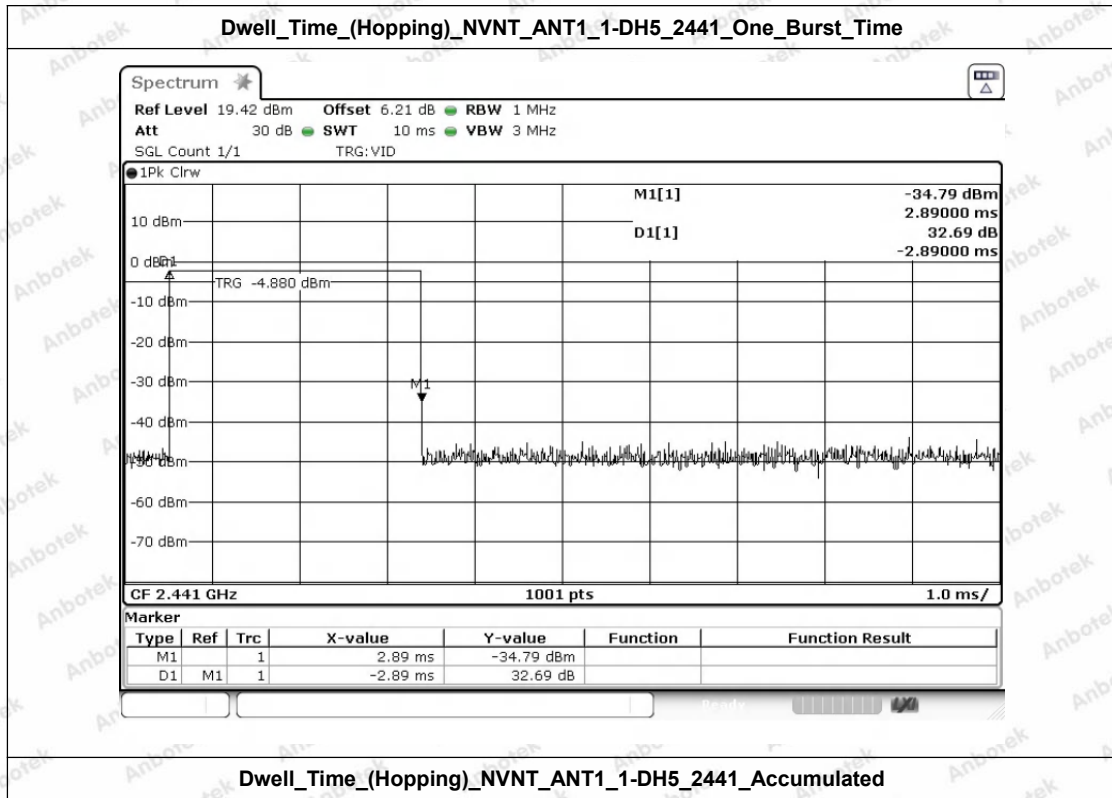
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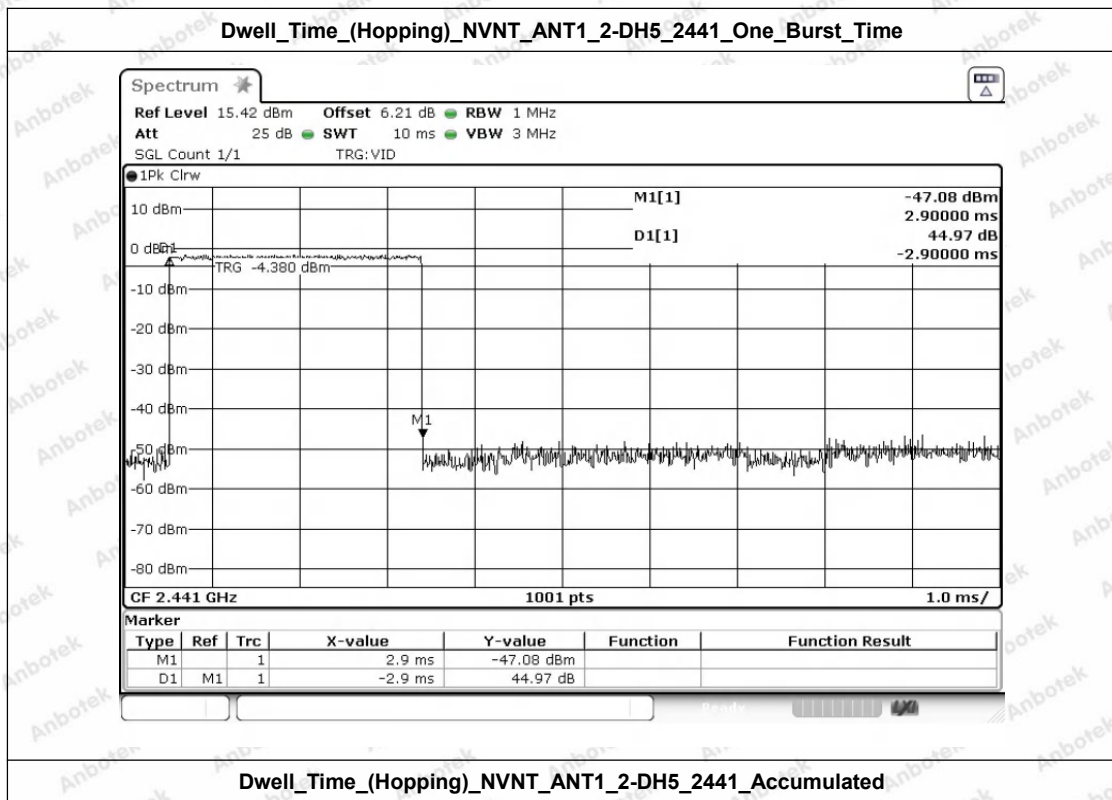
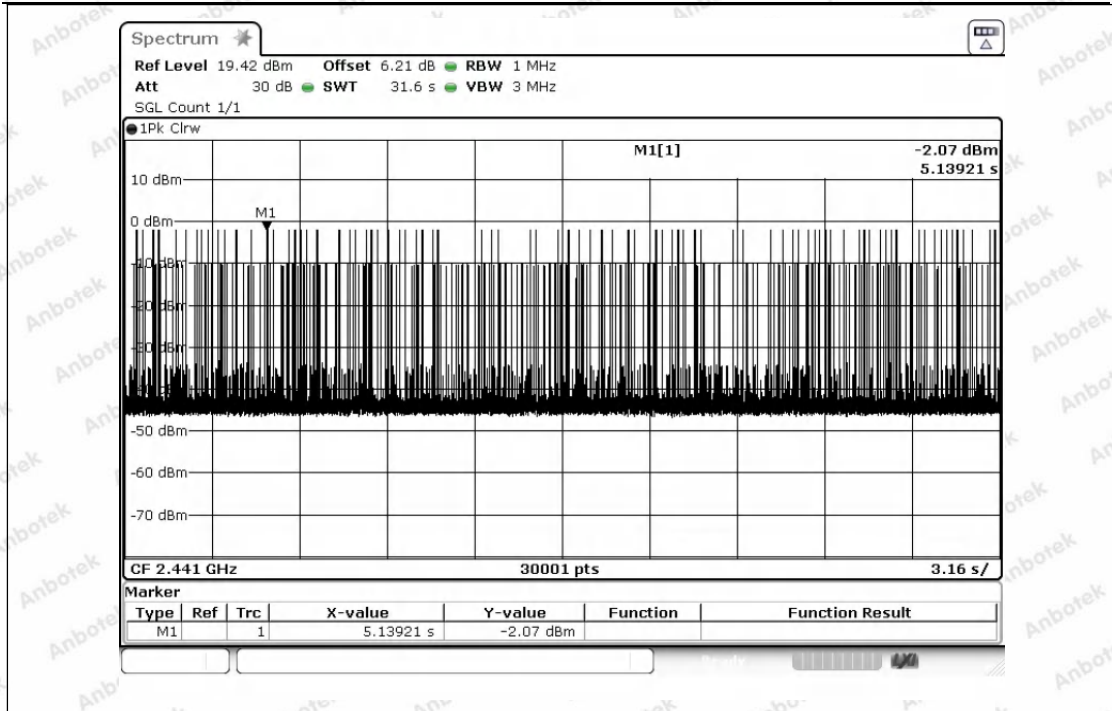
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Appendix G: Dwell Time (Hopping)

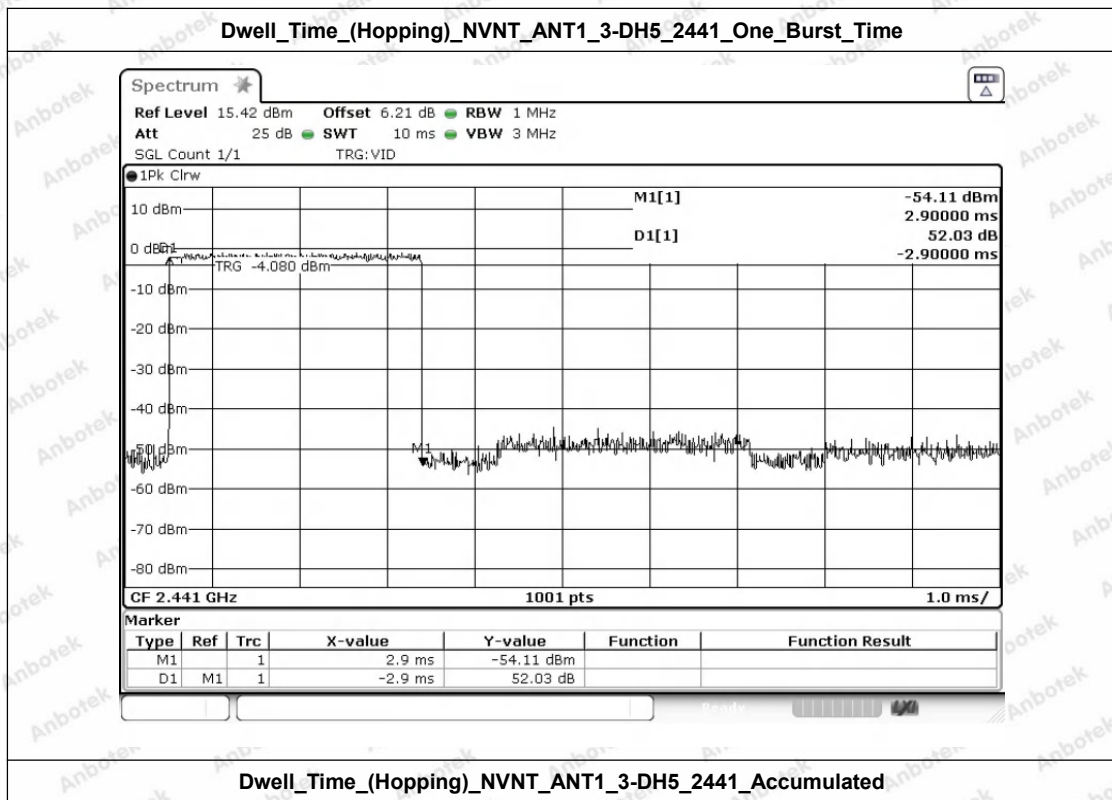
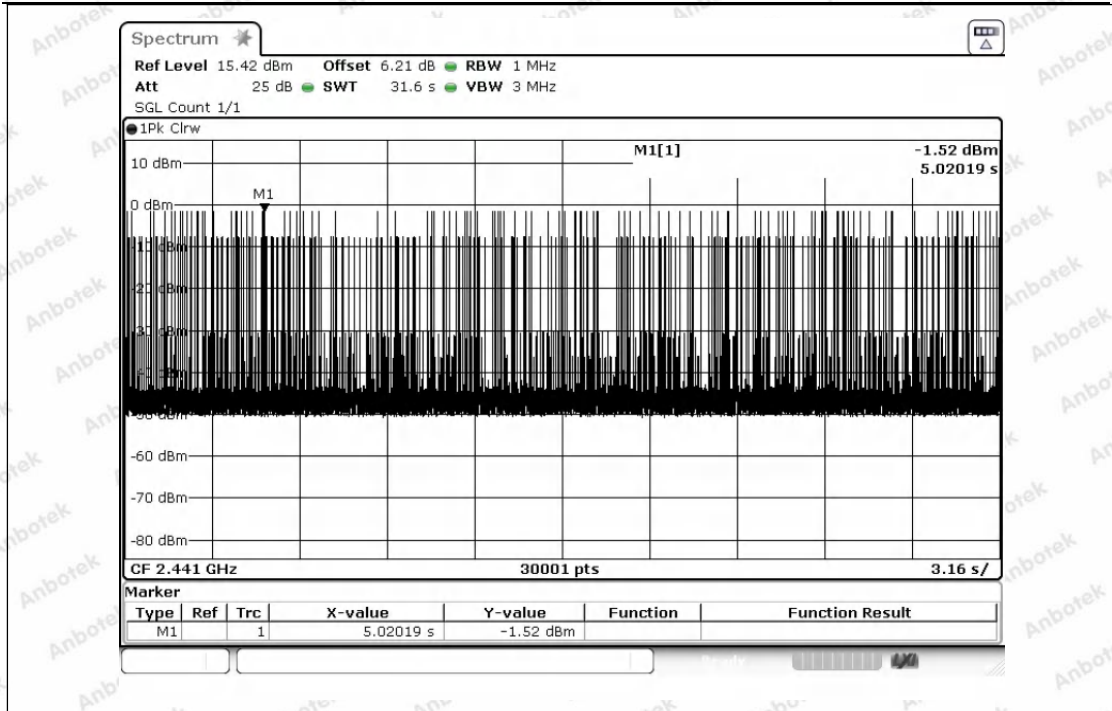
Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.890	106.00	306.340	0.40	Pass
NVNT	ANT1	2-DH5	2.900	113.00	327.700	0.40	Pass
NVNT	ANT1	3-DH5	2.900	111.00	321.900	0.40	Pass
NVNT	ANT1	1-DH1	0.380	316.00	120.080	0.40	Pass
NVNT	ANT1	1-DH3	1.650	162.00	267.300	0.40	Pass
NVNT	ANT1	2-DH1	0.390	315.00	122.850	0.40	Pass
NVNT	ANT1	2-DH3	1.650	156.00	257.400	0.40	Pass
NVNT	ANT1	3-DH1	1.650	161.00	265.650	0.40	Pass
NVNT	ANT1	3-DH3	1.650	151.00	249.150	0.40	Pass

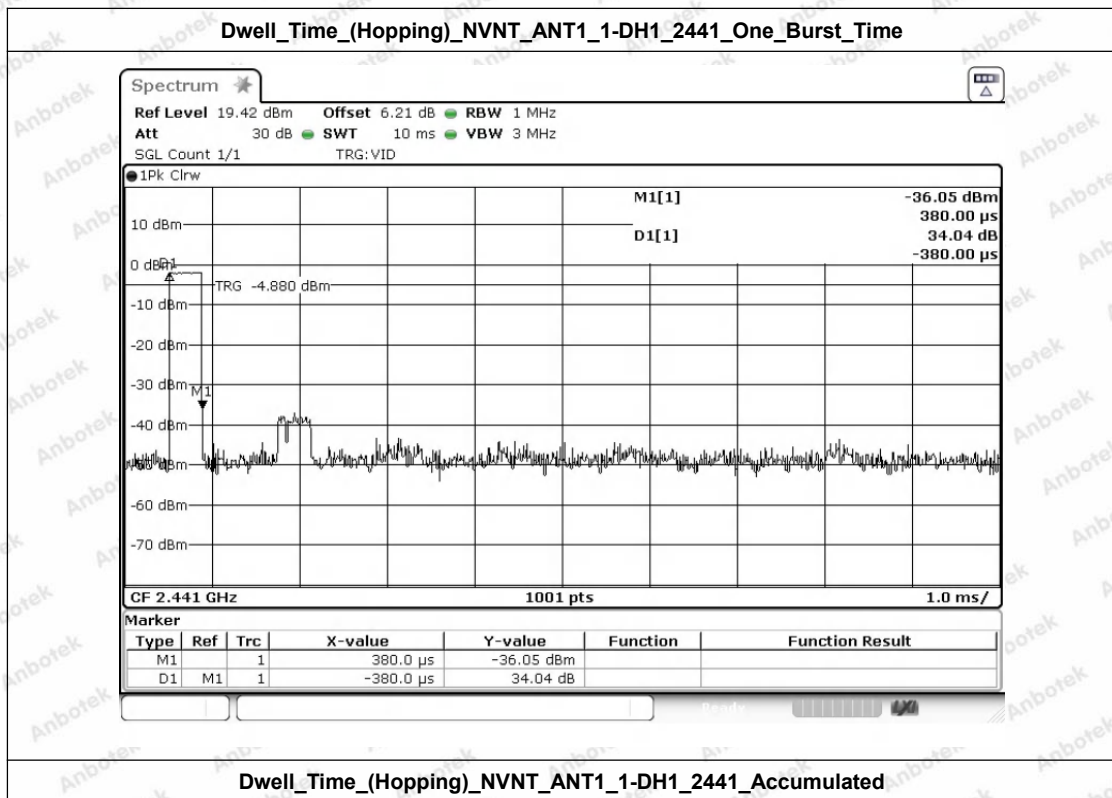
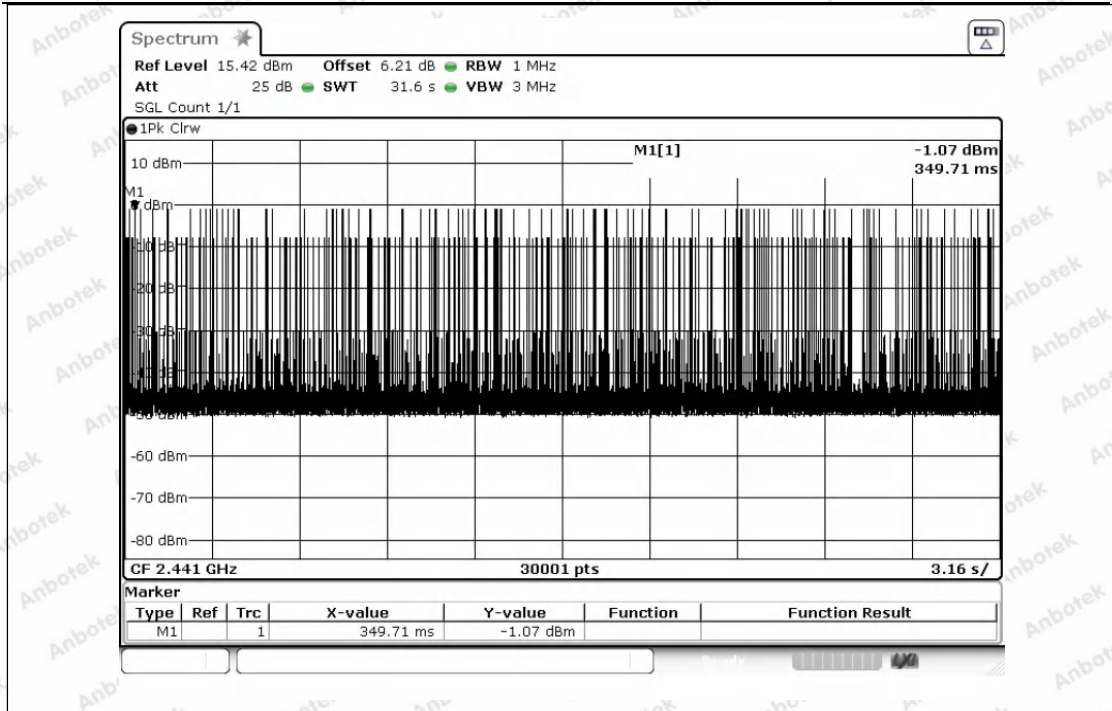


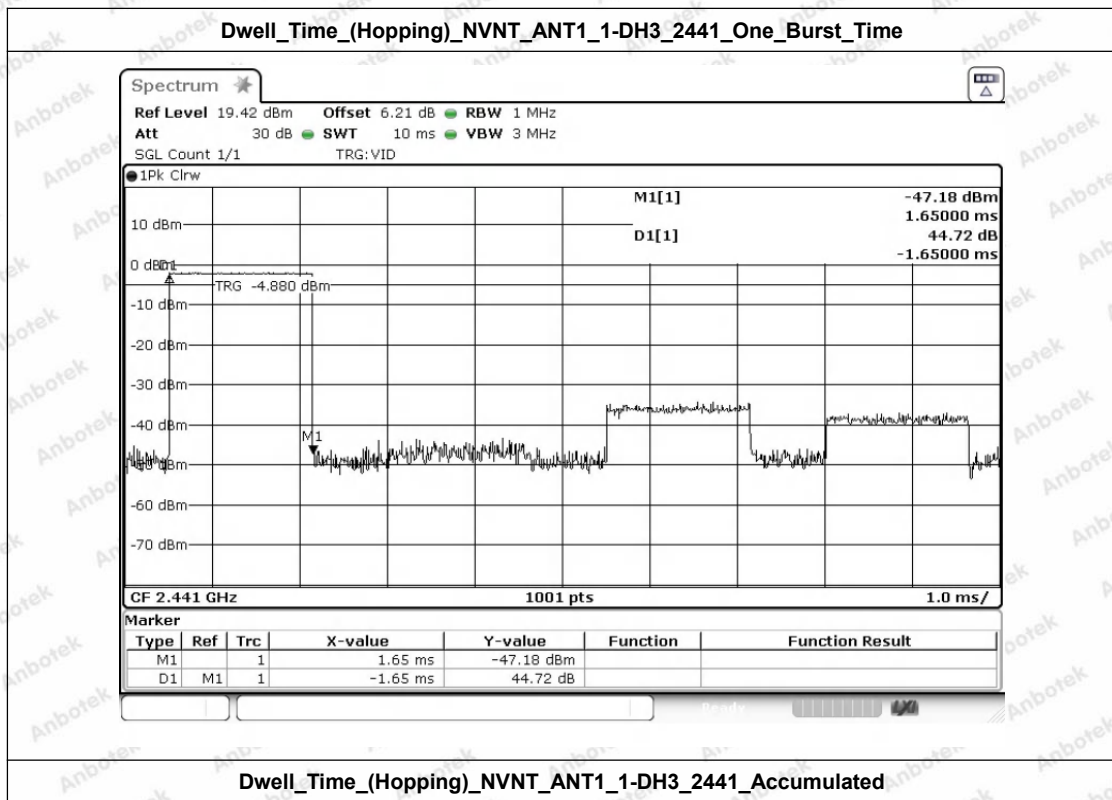
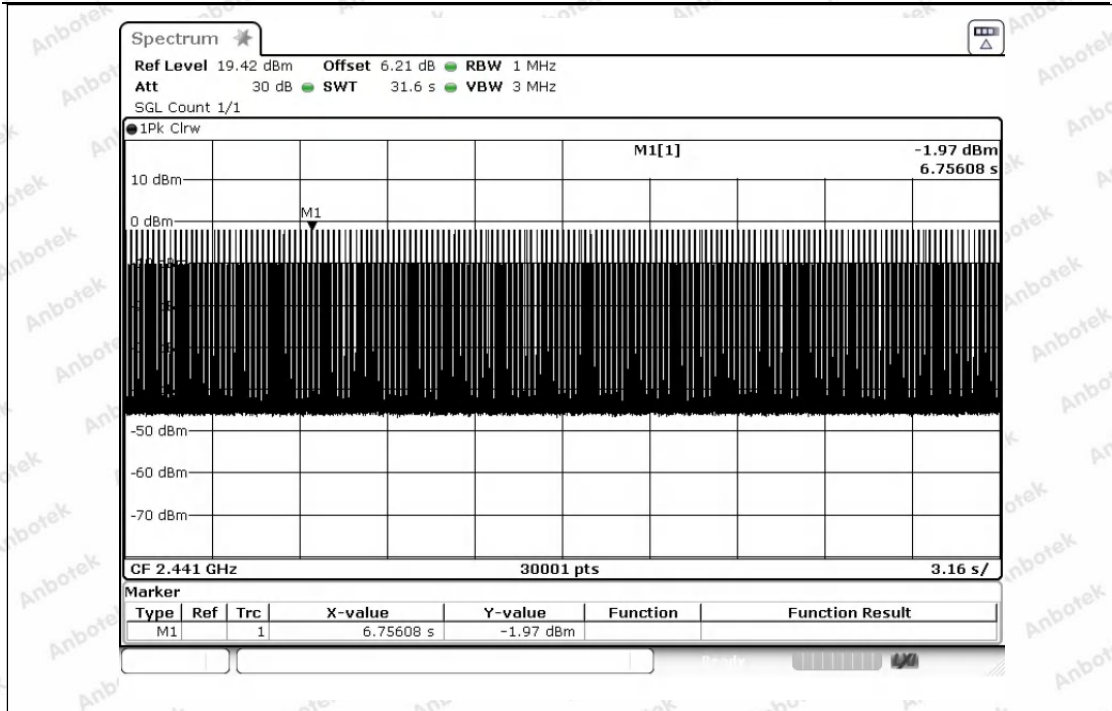


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_Accumulated



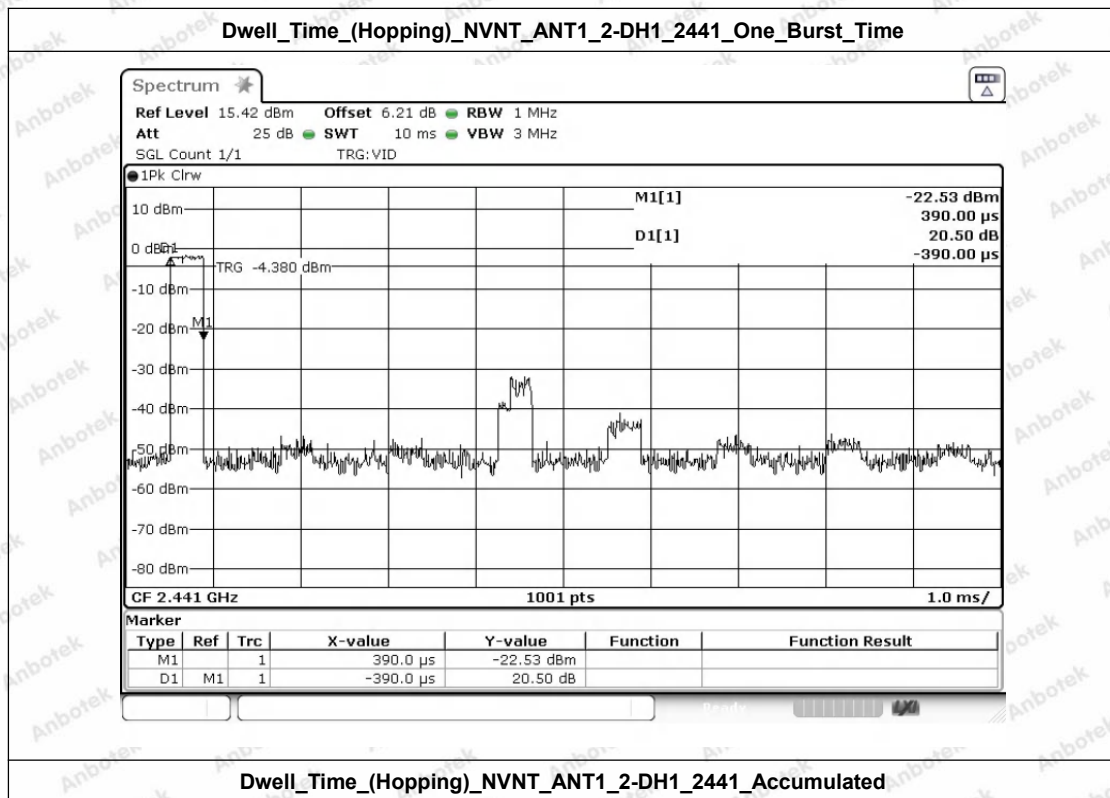
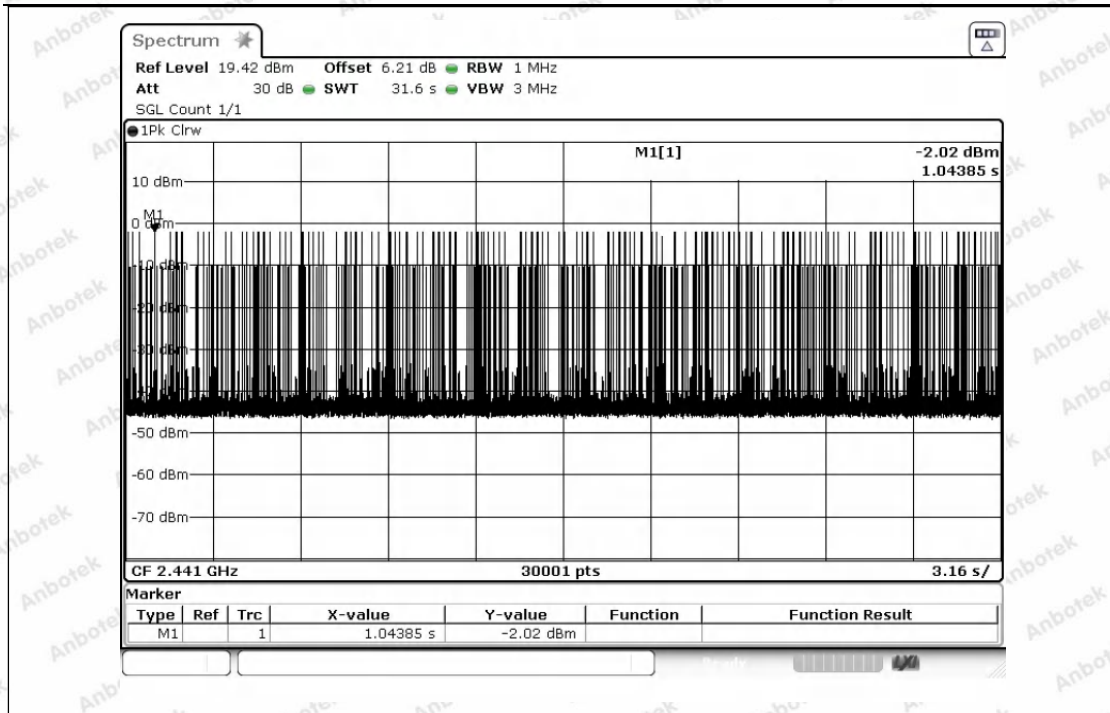


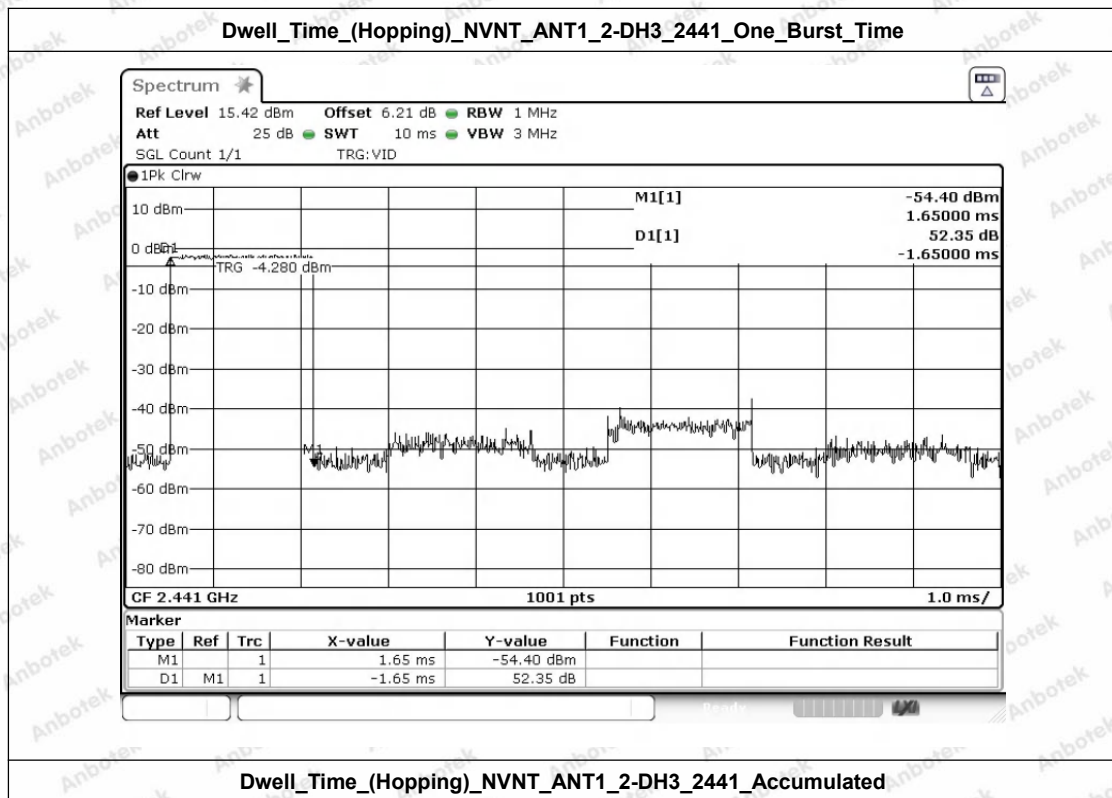
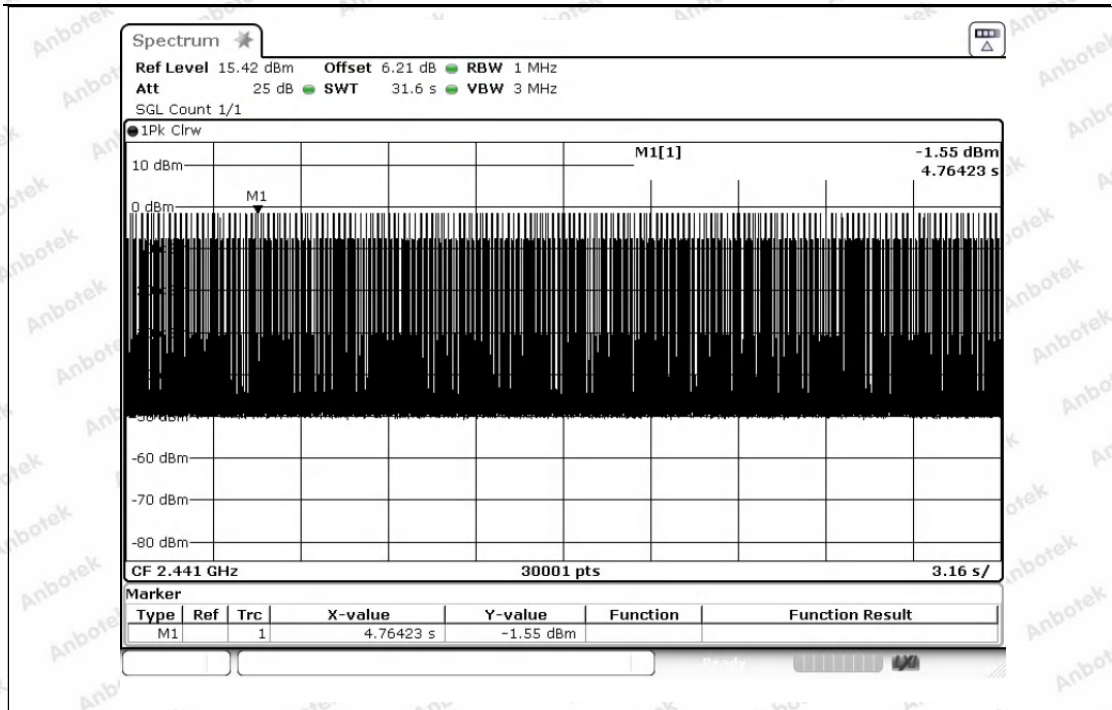




Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_Accumulated

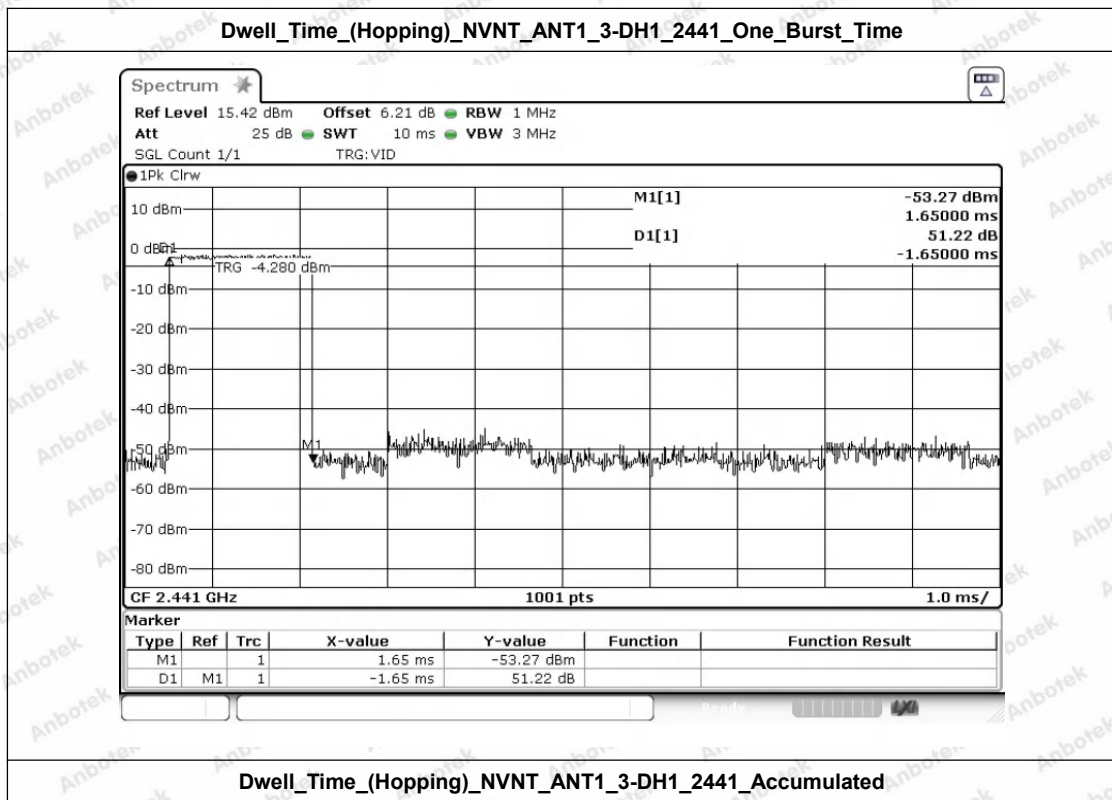
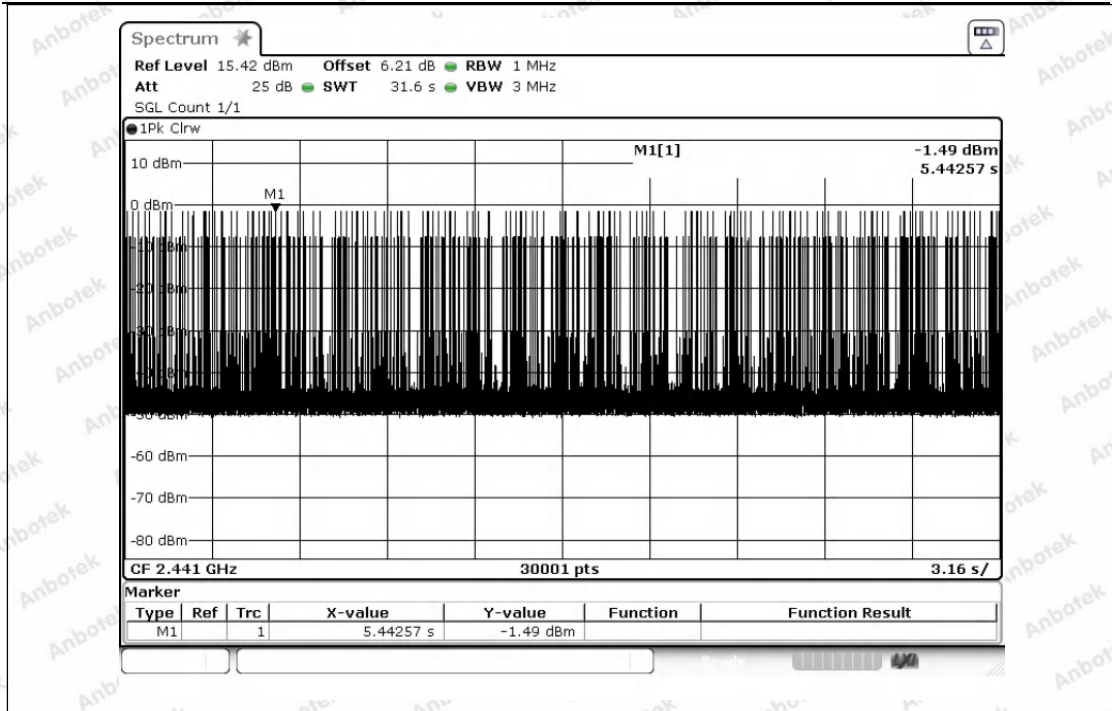


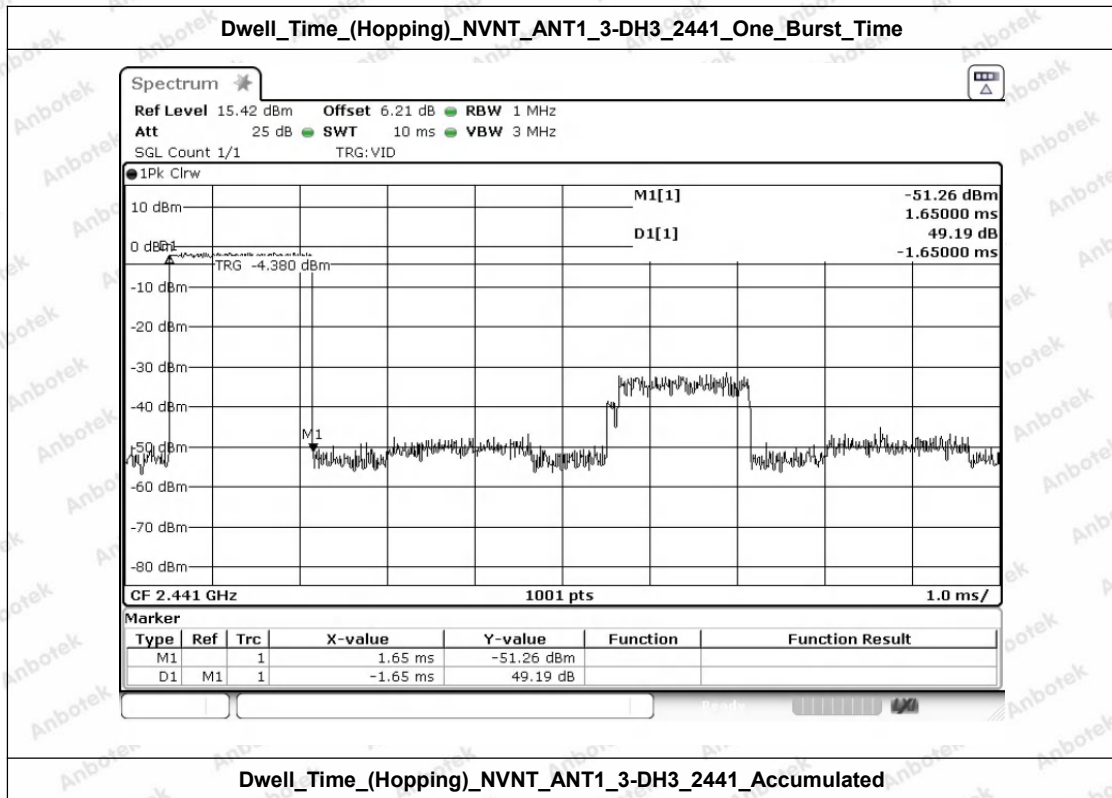
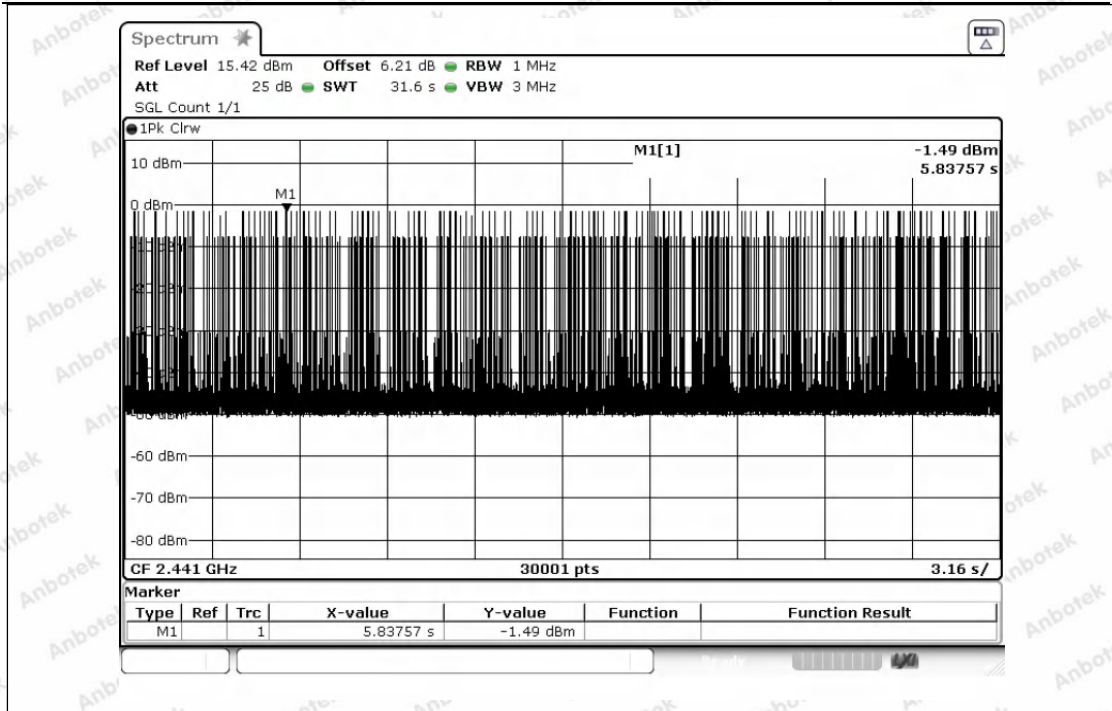


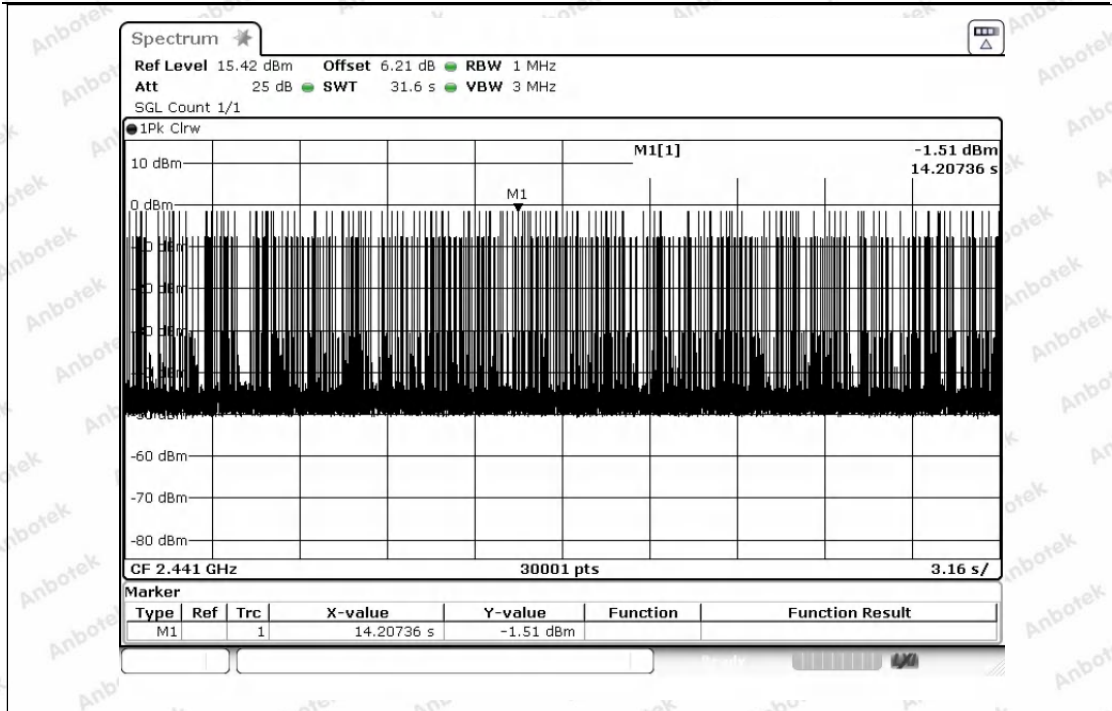


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_Accumulated









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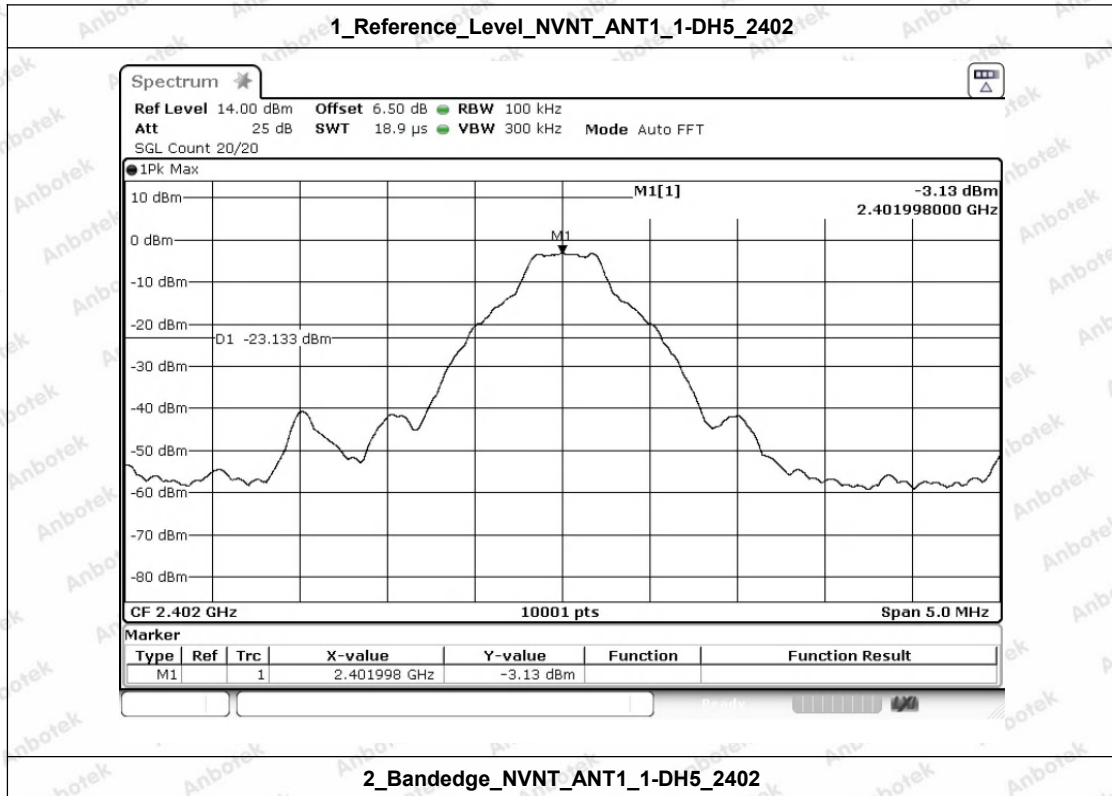


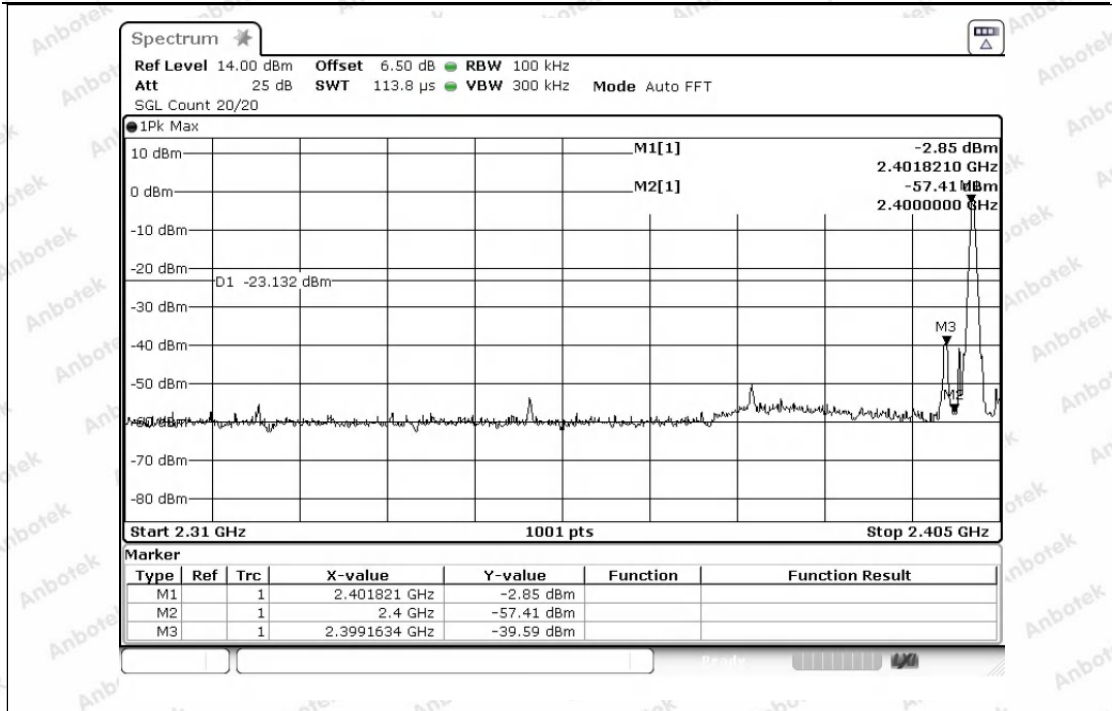
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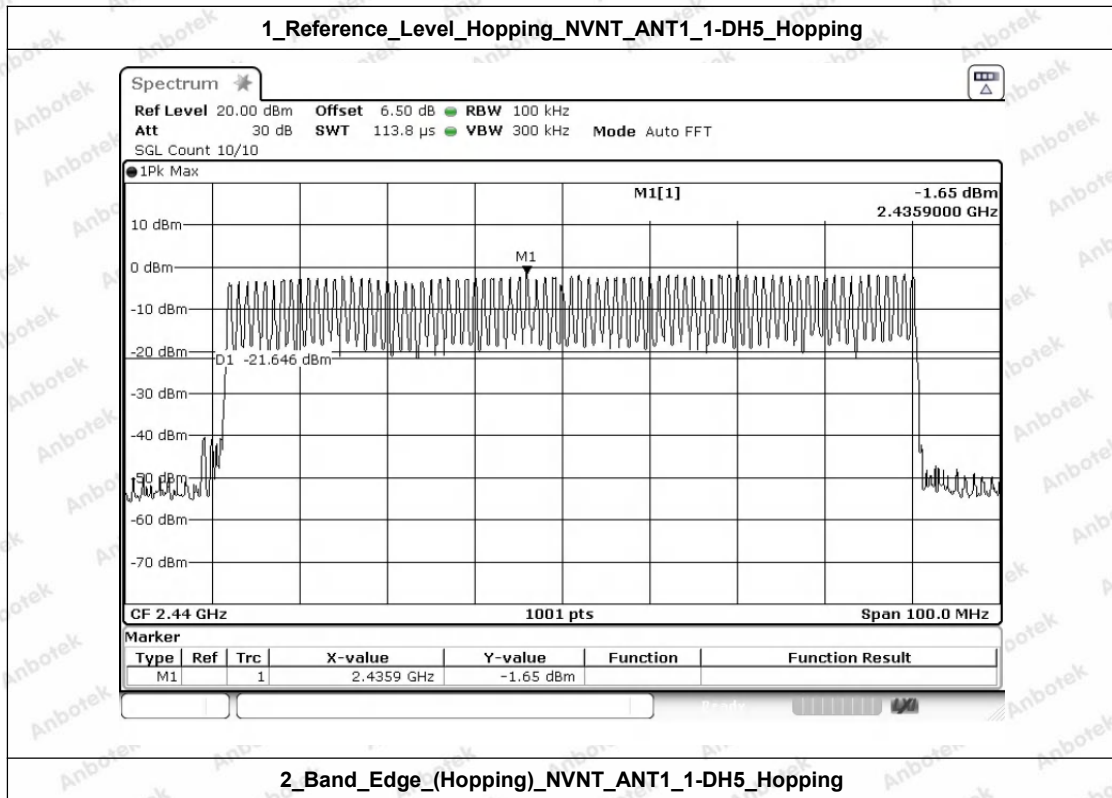
Appendix H: Bandedge

Condition	Antenna	Modulation	TX Mode	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-39.591	-23.132	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	-39.716	-21.645	Pass
NVNT	ANT1	1-DH5	2480.00	-46.987	-21.278	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	-48.277	-21.947	Pass
NVNT	ANT1	2-DH5	2402.00	-39.816	-22.833	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	-39.861	-21.085	Pass
NVNT	ANT1	2-DH5	2480.00	-46.171	-21.378	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	-50.134	-21.507	Pass
NVNT	ANT1	3-DH5	2402.00	-39.324	-22.937	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	-41.477	-21.123	Pass
NVNT	ANT1	3-DH5	2480.00	-48.249	-21.858	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	-50.163	-21.429	Pass



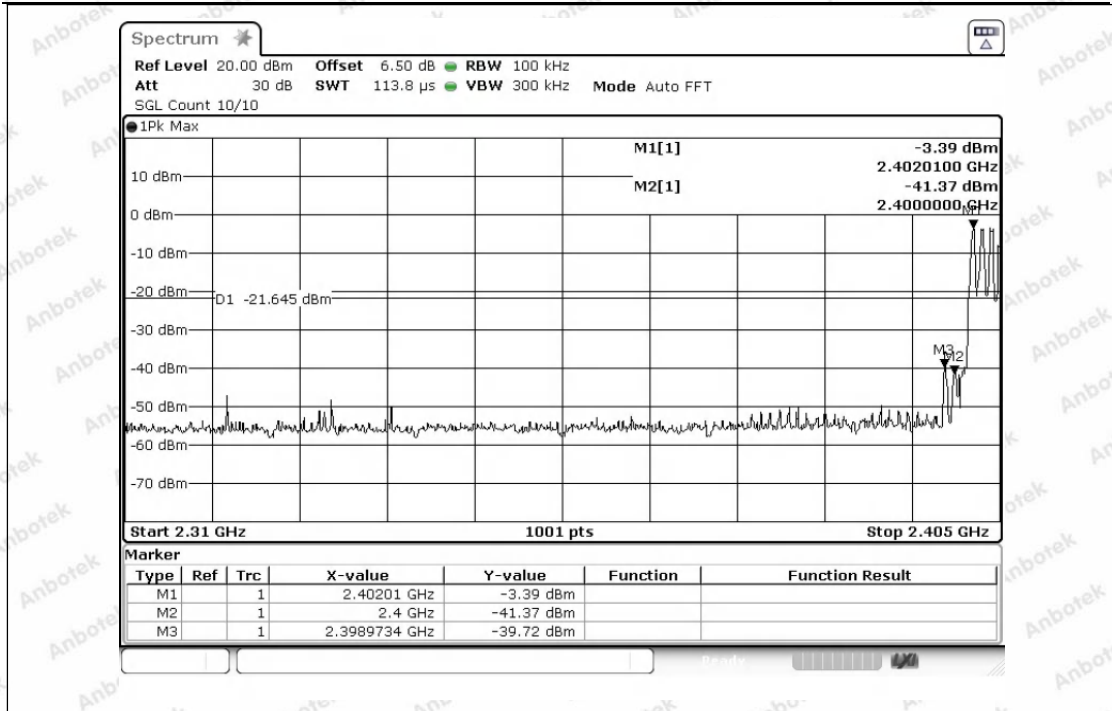


1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping

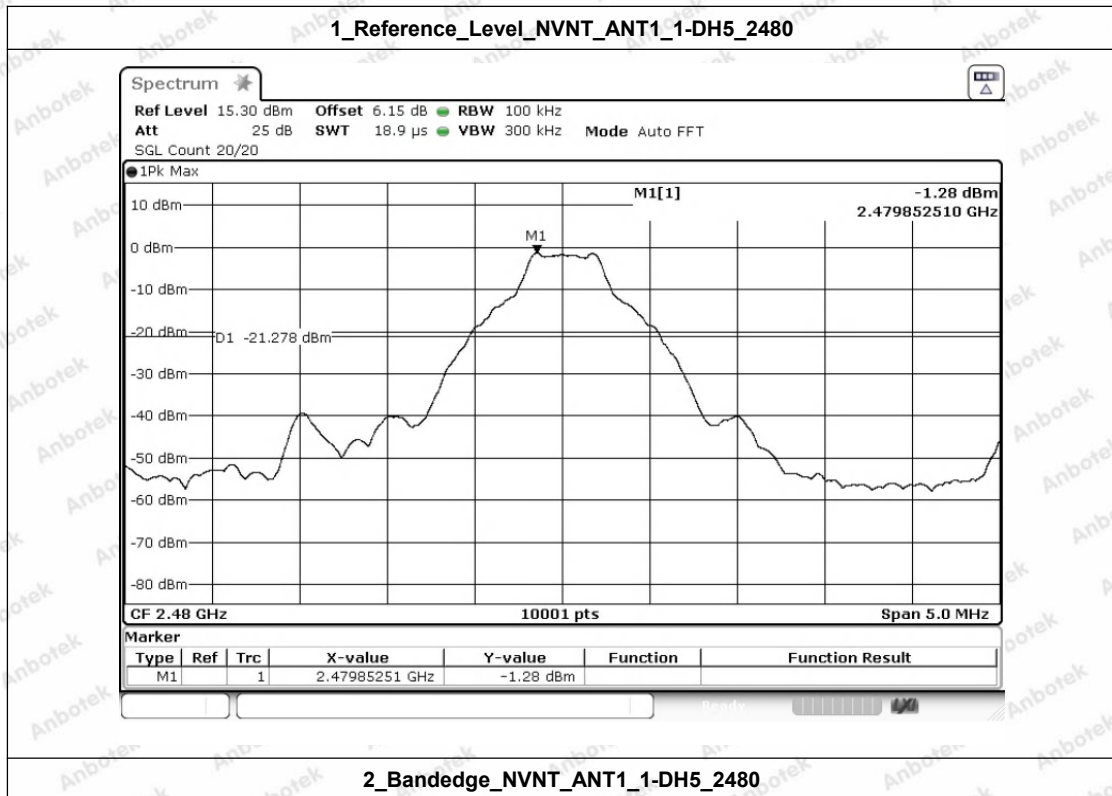


2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping





1_Reference_Level_NVNT_ANT1_1-DH5_2480



2_Bandedge_NVNT_ANT1_1-DH5_2480

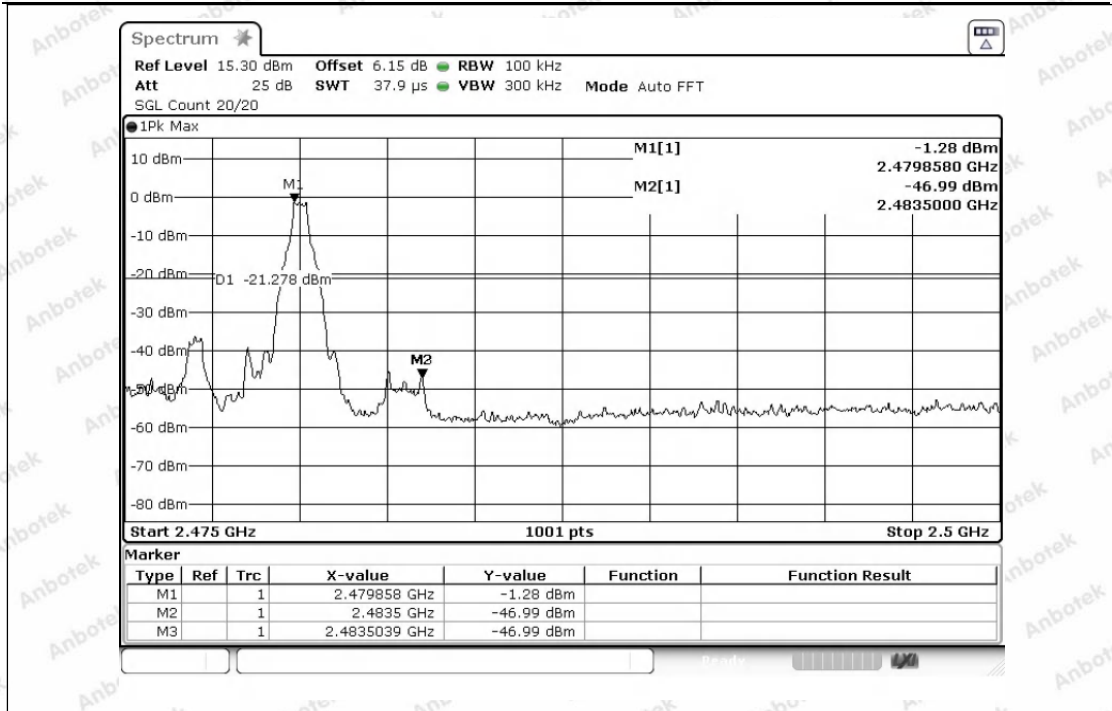
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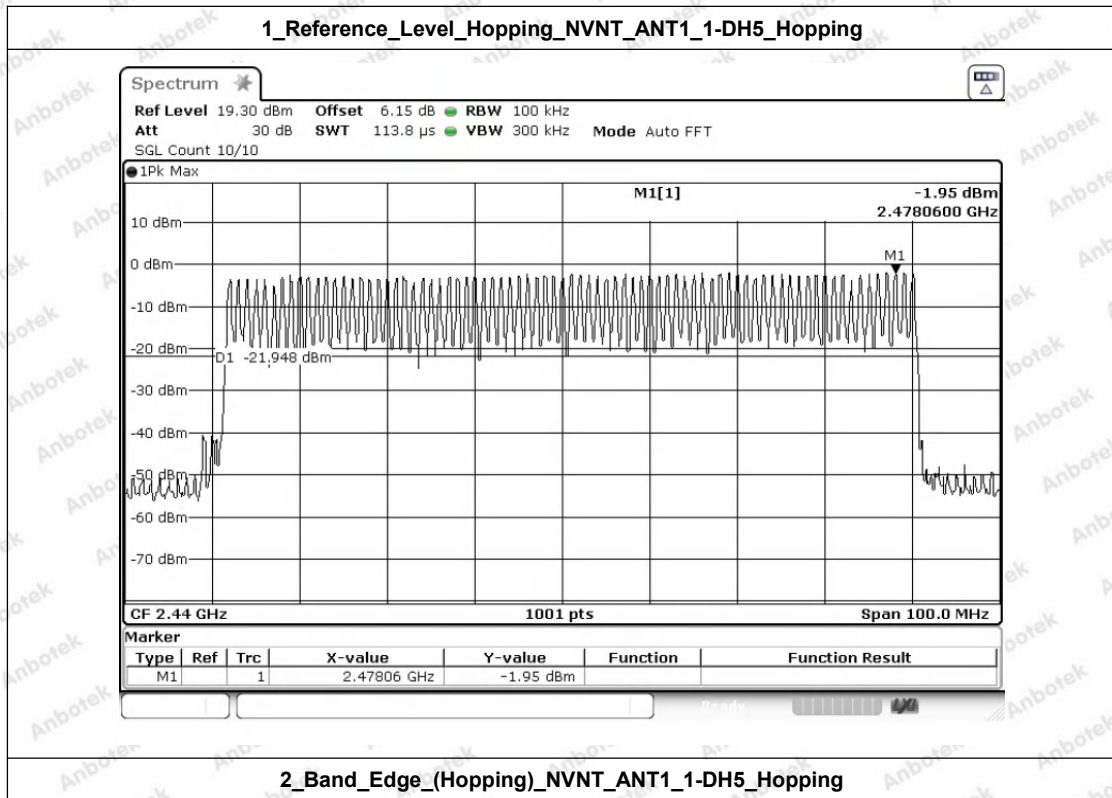


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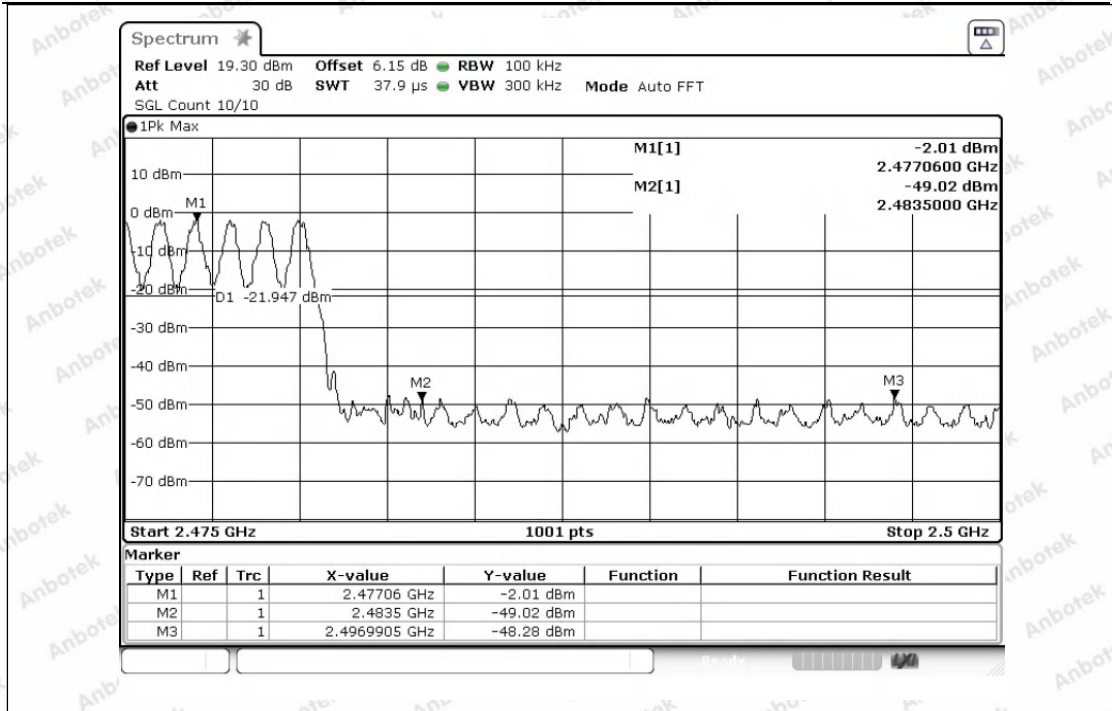


1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping

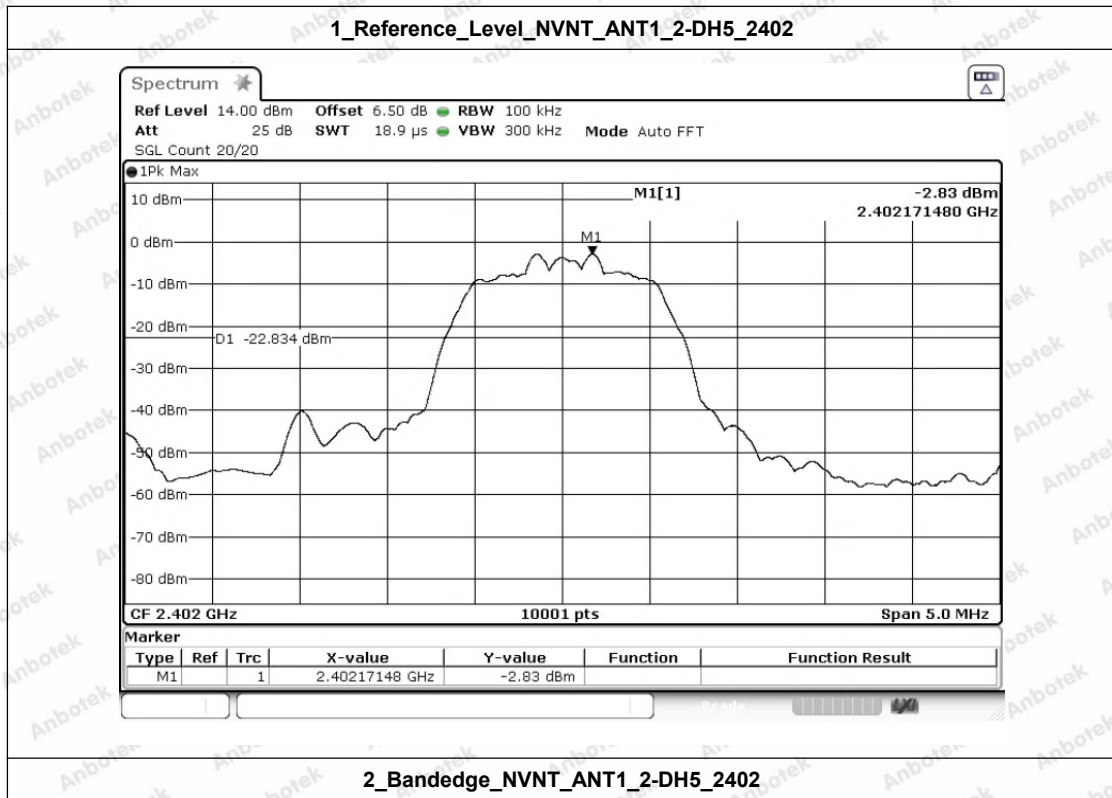


2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



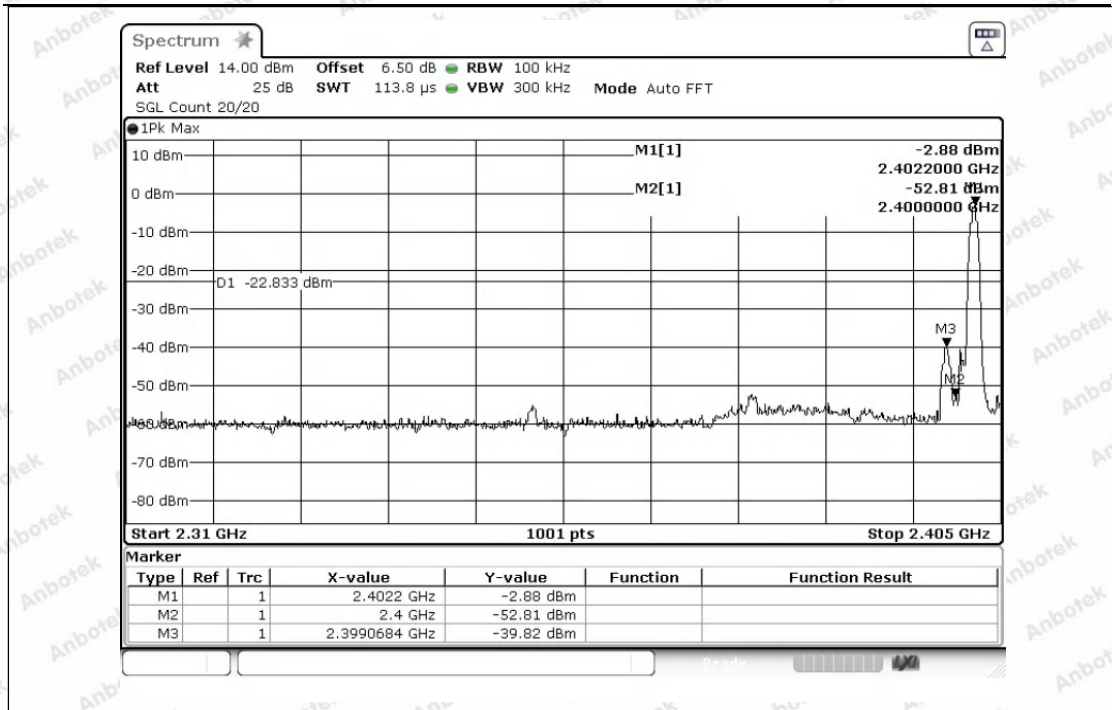


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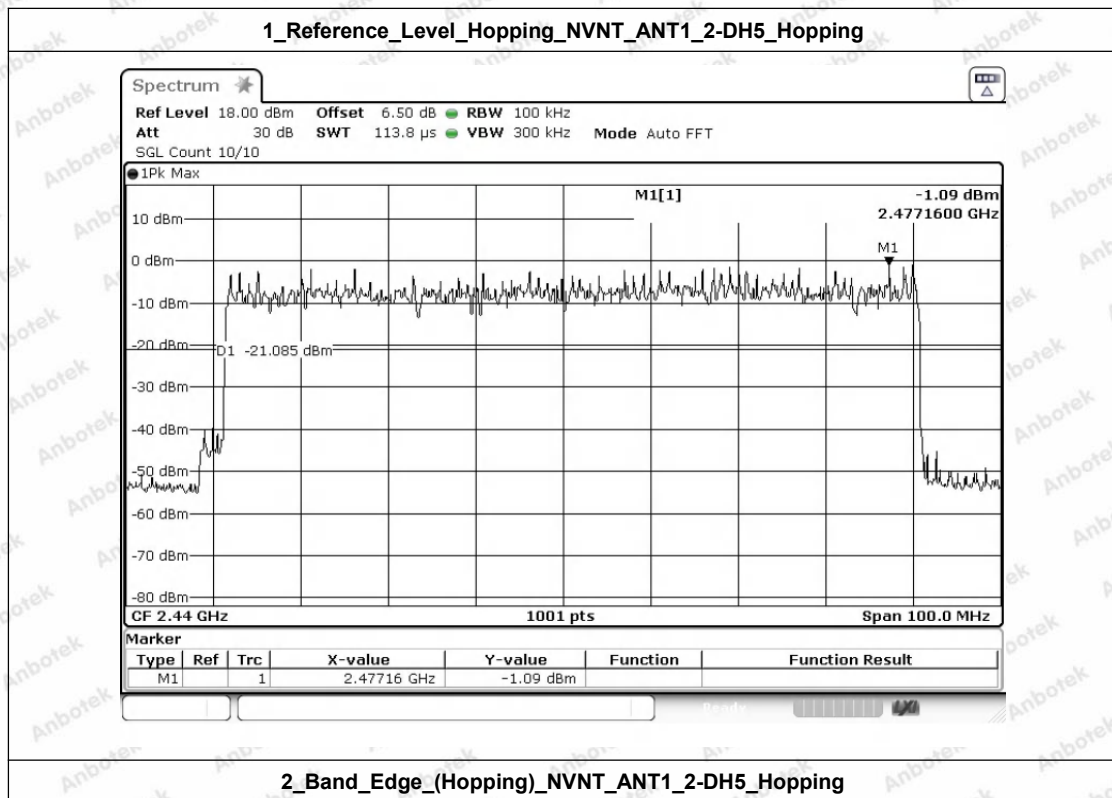


2_Bandedge_NVNT_ANT1_2-DH5_2402



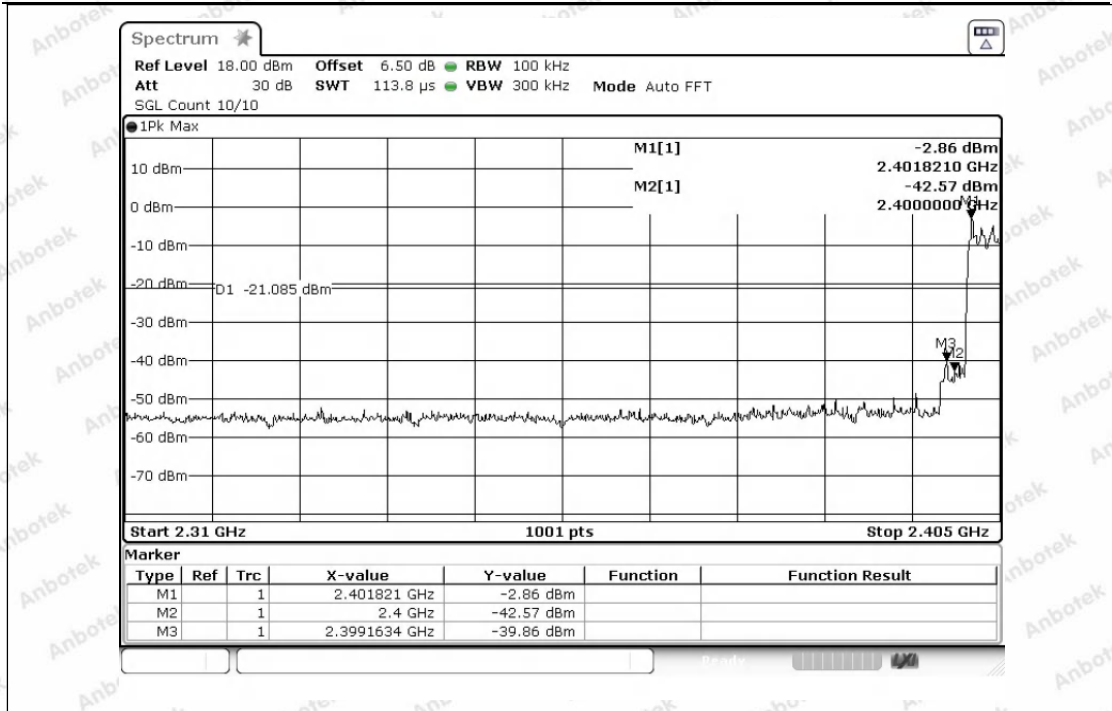


1_Reference_Level_Hopping_NVNT_ANT1_2-DH5_Hopping

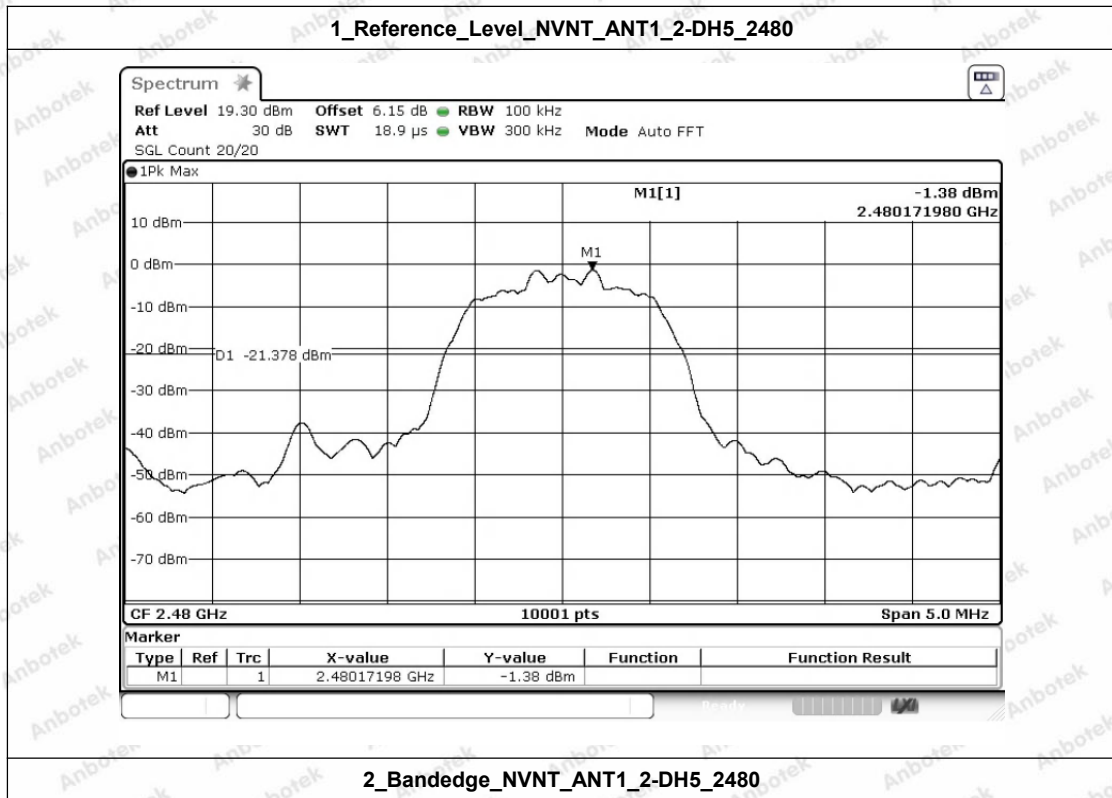


2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping



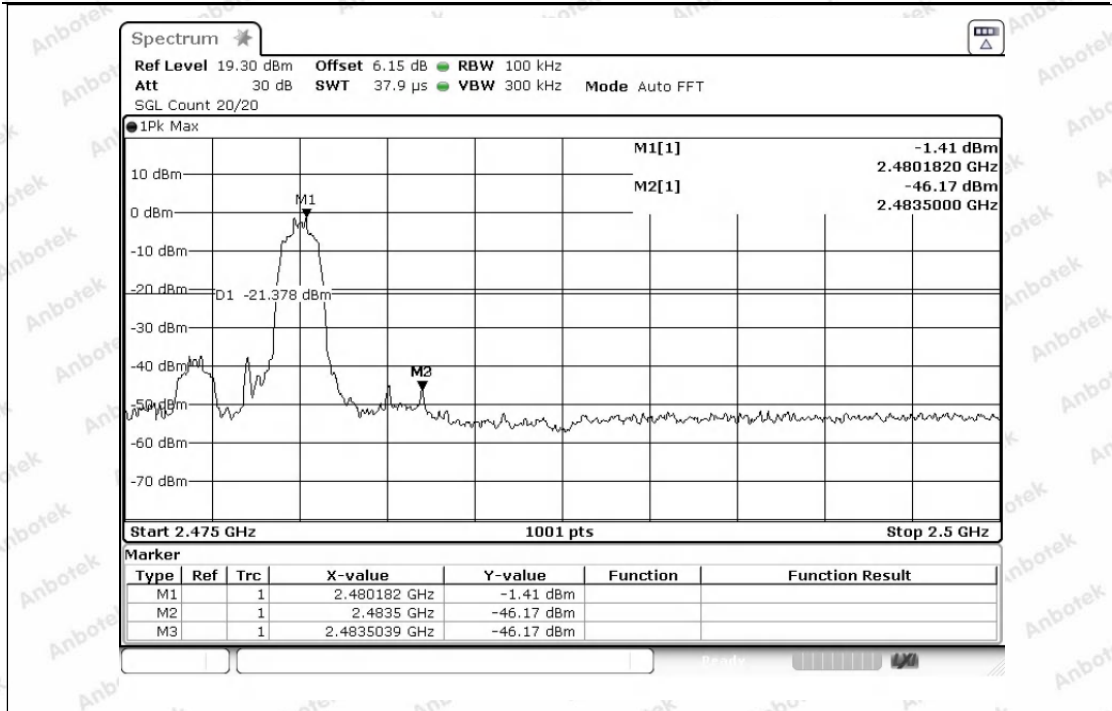


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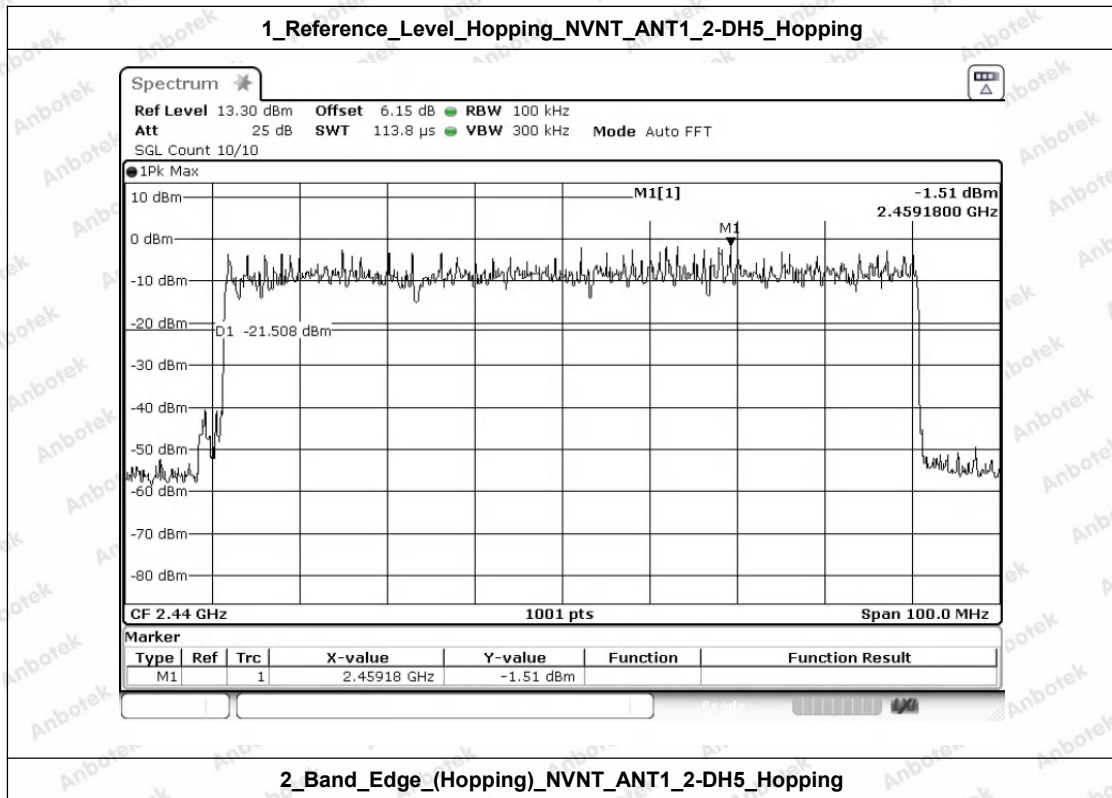


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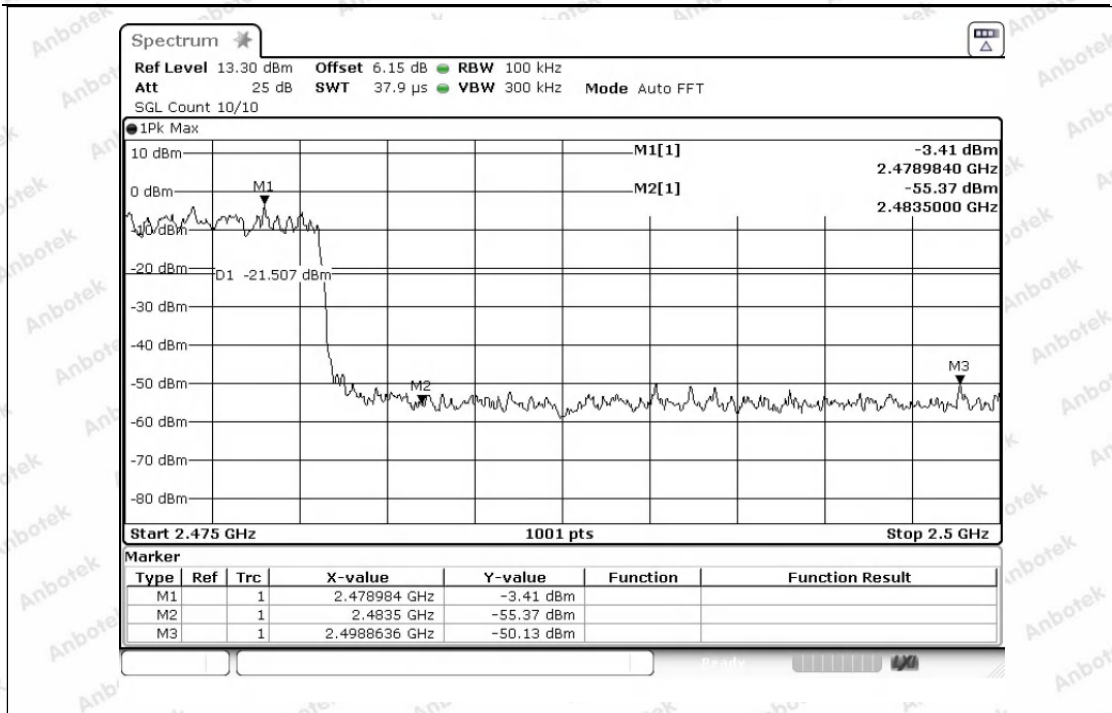


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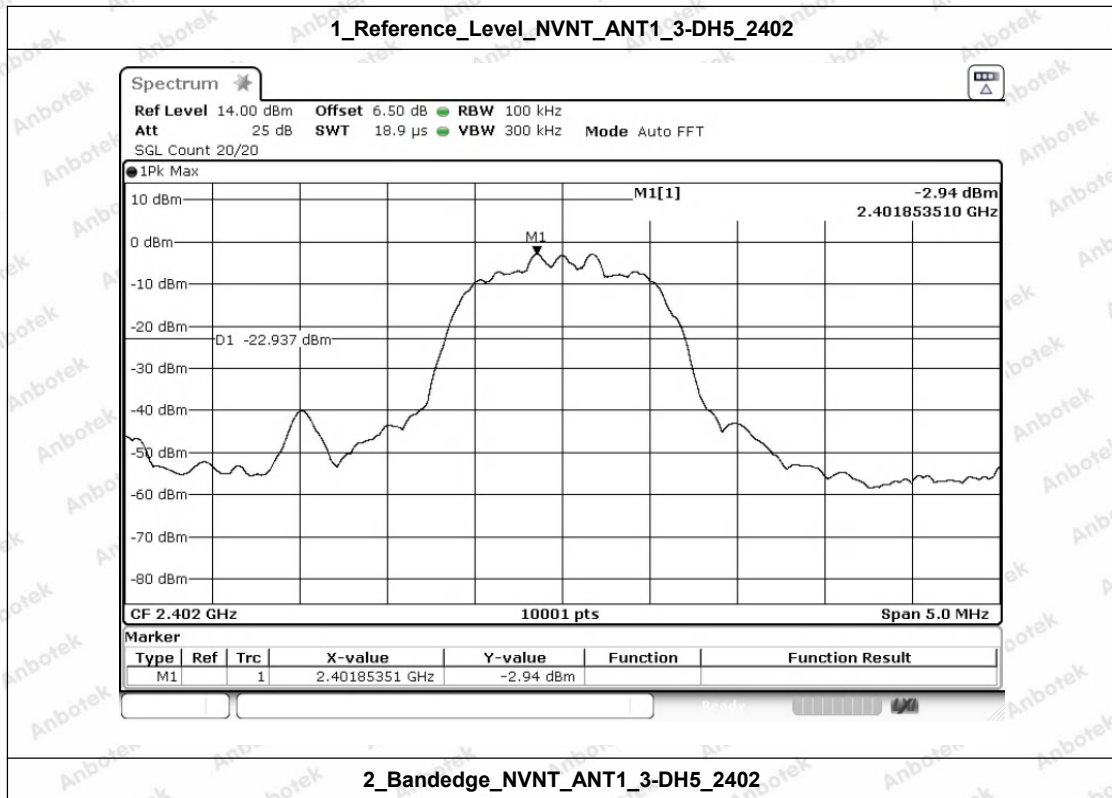


2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping





1_Reference_Level_NVNT_ANT1_3-DH5_2402



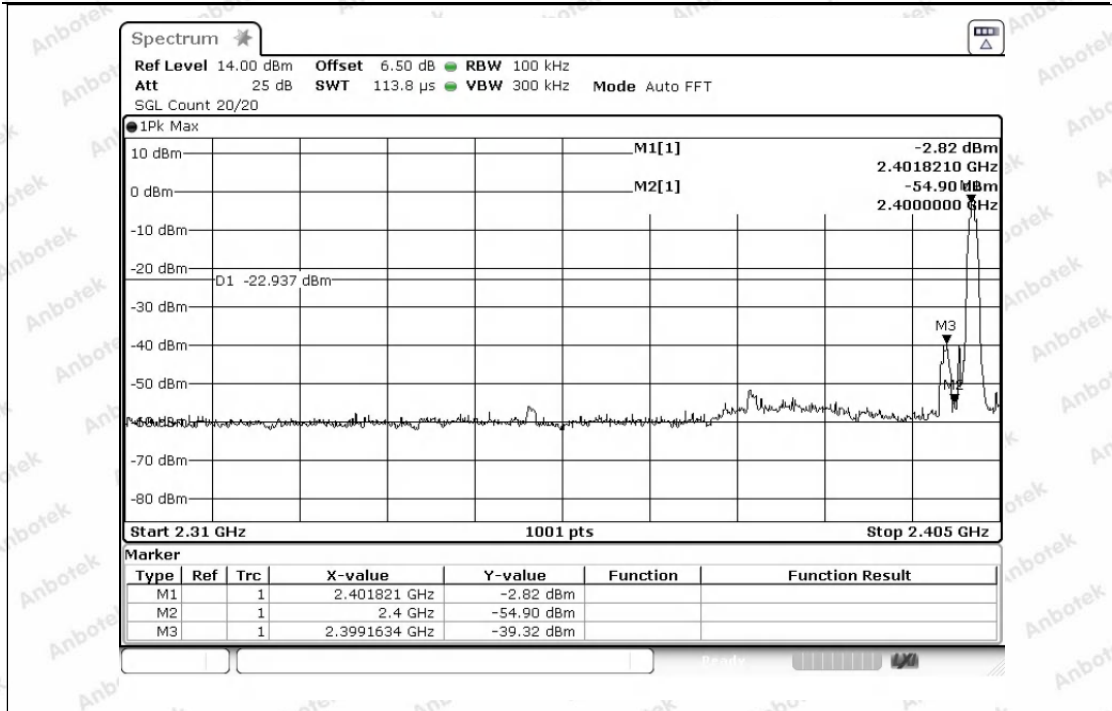
2_Bandedge_NVNT_ANT1_3-DH5_2402

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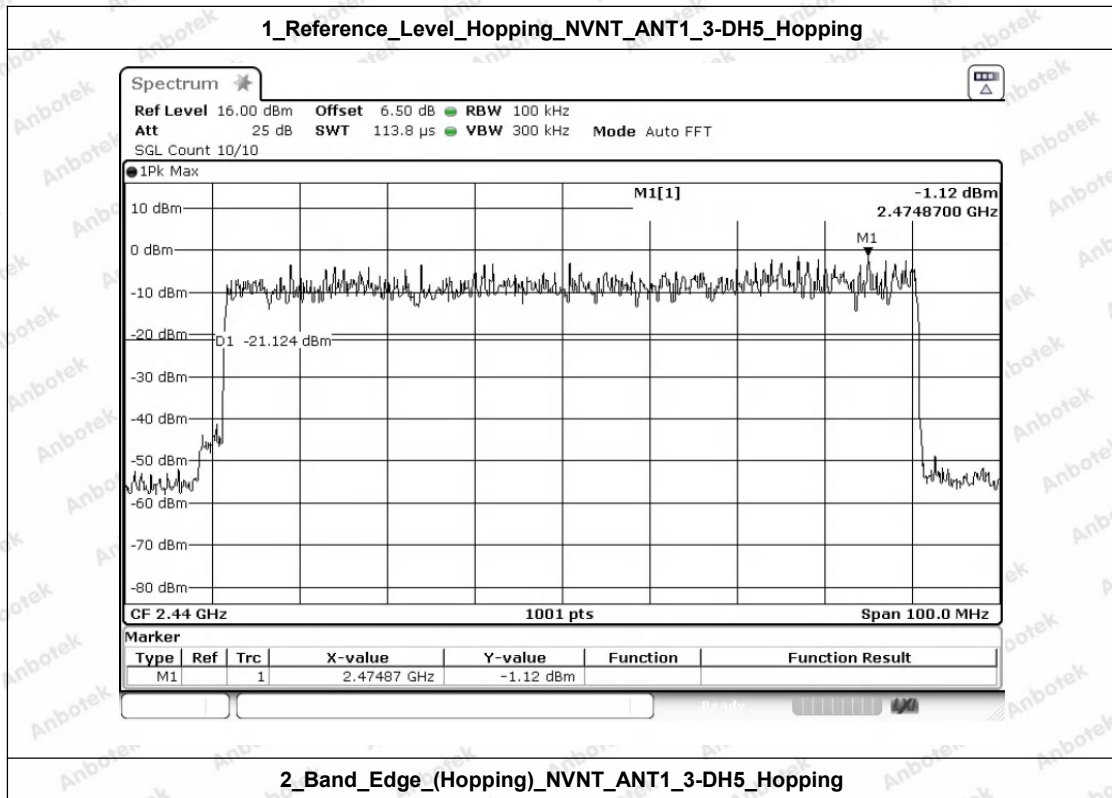
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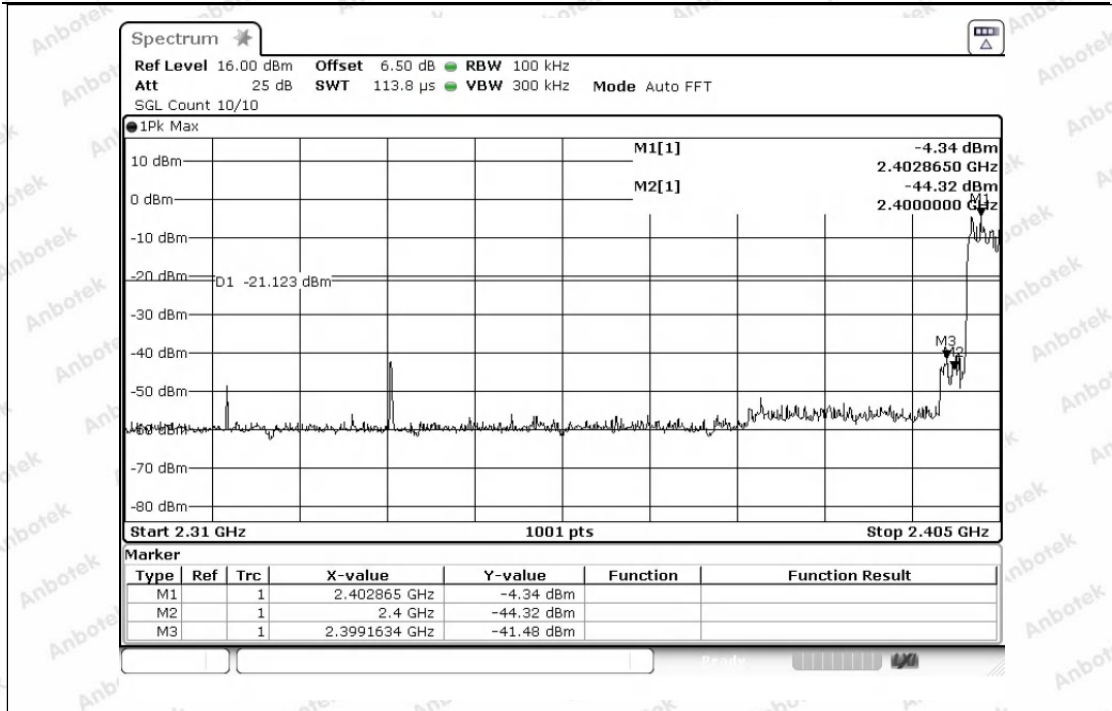


1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping

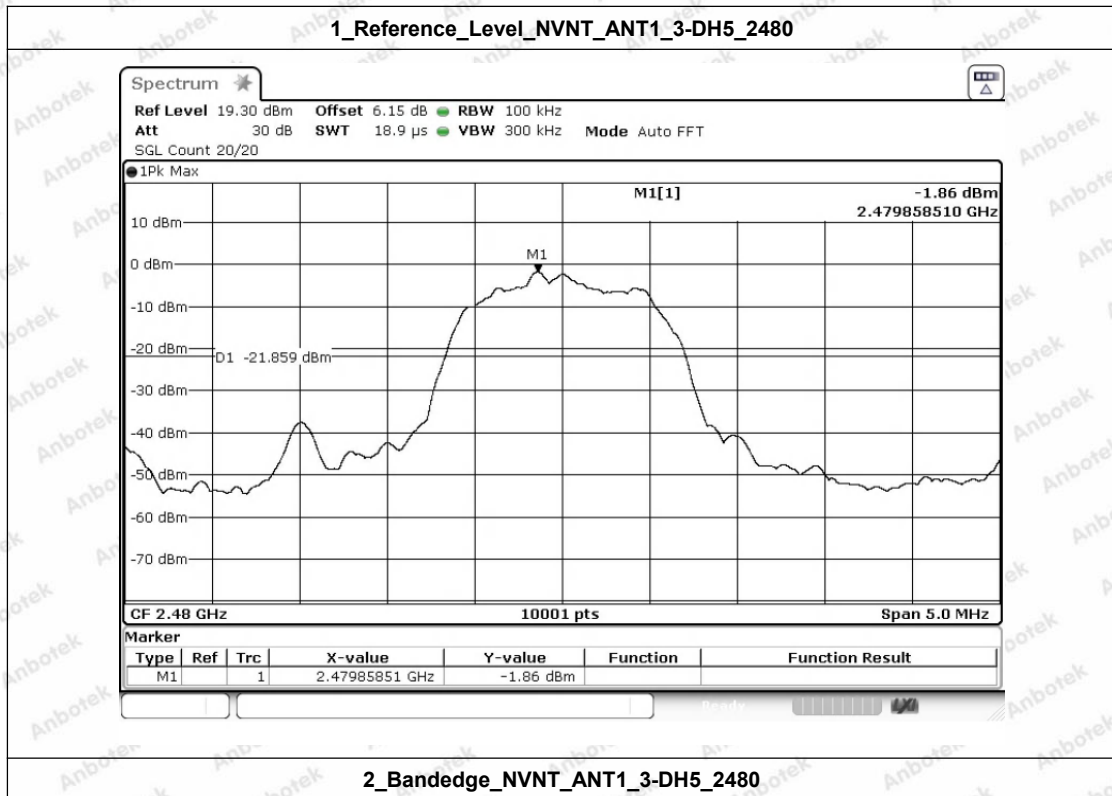


2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping



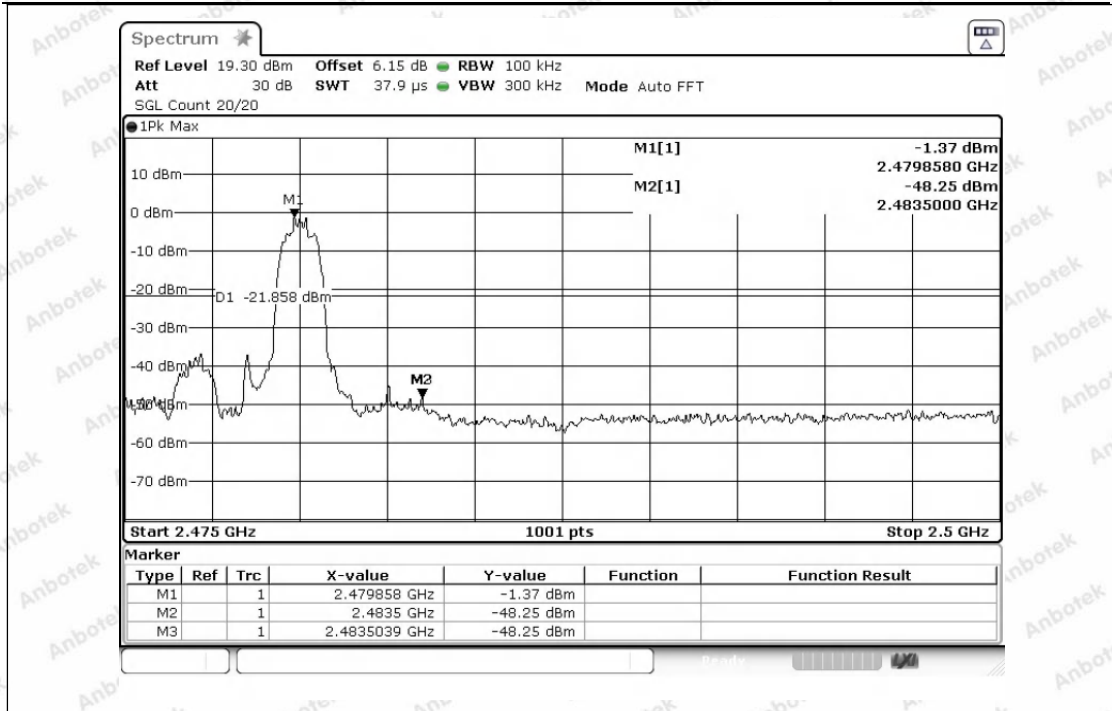


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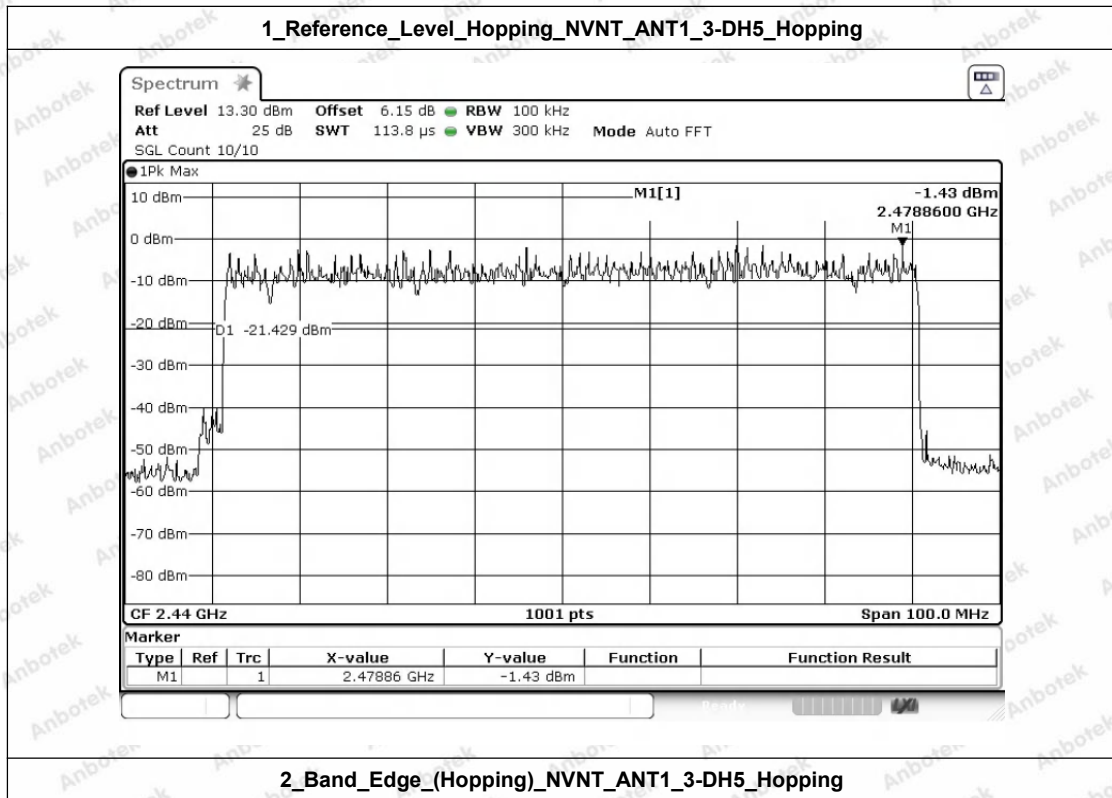


2_Bandedge_NVNT_ANT1_3-DH5_2480





1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping



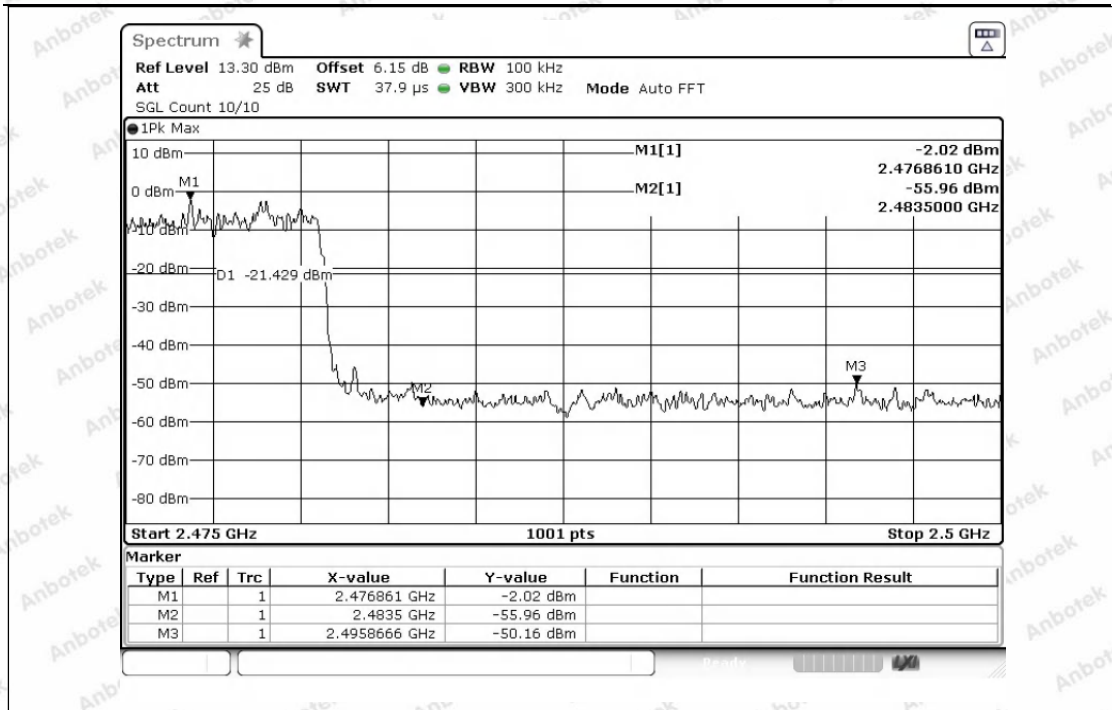
2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping

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