

Appendix Test Data

Report No.:	182518C400017101	Test Sample No.:	1-2-2
Start Test Date:	2024.05.25	Finish Test Date:	2024.05.28
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.3℃	Relative Humidity:	48%
Pressure:	101kPa		

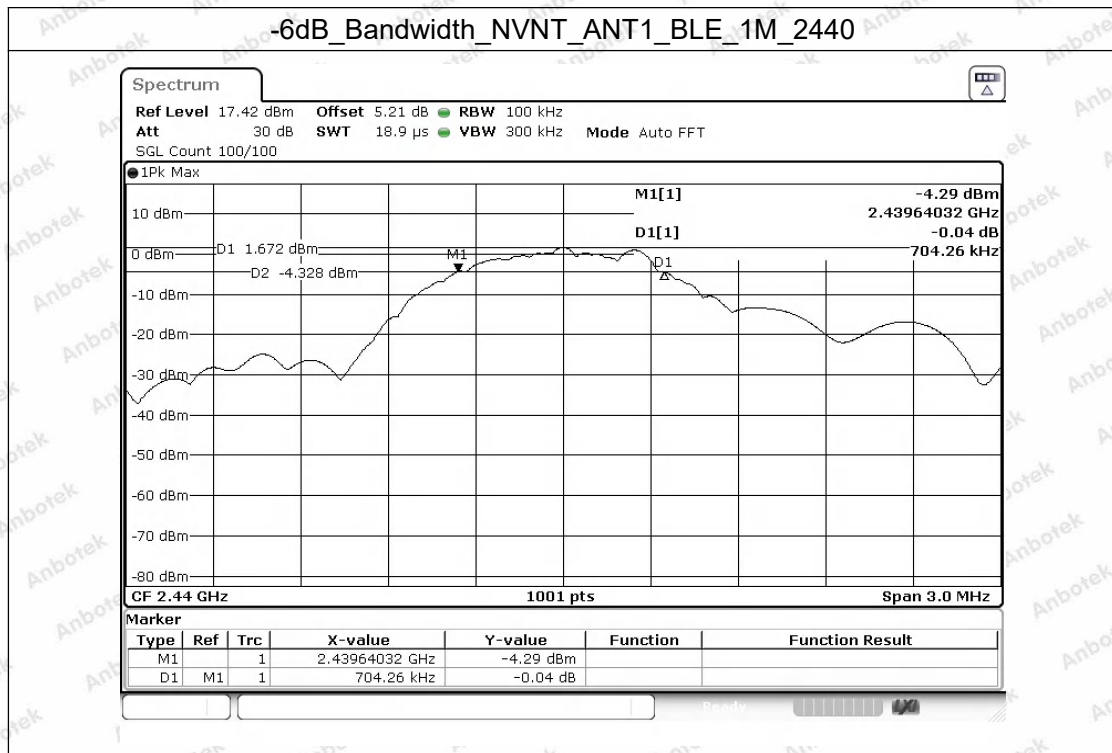
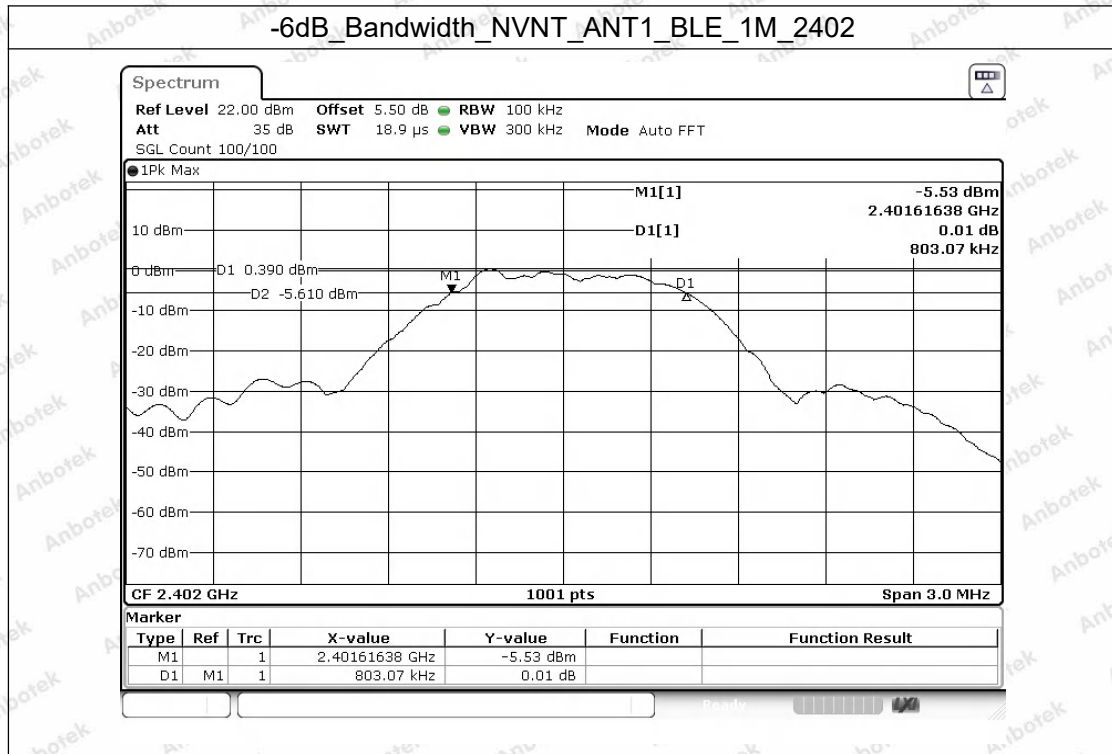
Appendix A: 6dB Bandwidth

Test Result

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	BLE_1M	2402	803.07	500	Pass
NVNT	ANT1	BLE_1M	2440	704.26	500	Pass
NVNT	ANT1	BLE_1M	2480	707.07	500	Pass
NVNT	ANT1	BLE_2M	2402	734.21	500	Pass
NVNT	ANT1	BLE_2M	2440	952.83	500	Pass
NVNT	ANT1	BLE_2M	2480	800.00	500	Pass



Test Graphs



-6dB_Bandwidth_NVNT_ANT1_BLE_1M_2480

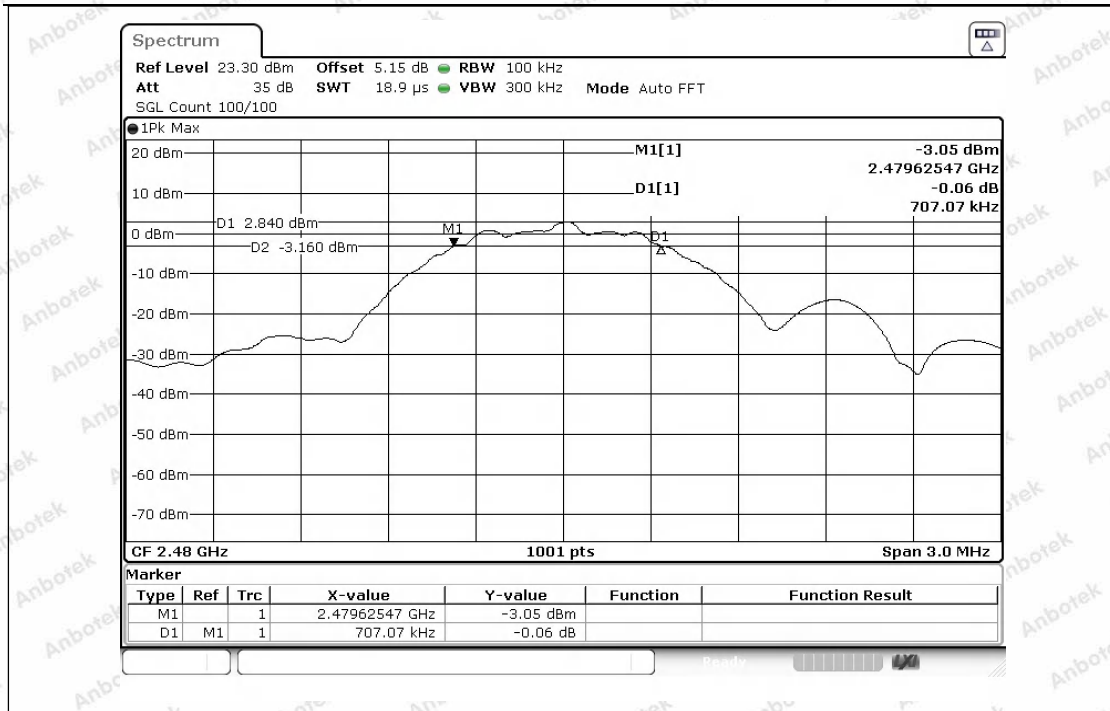
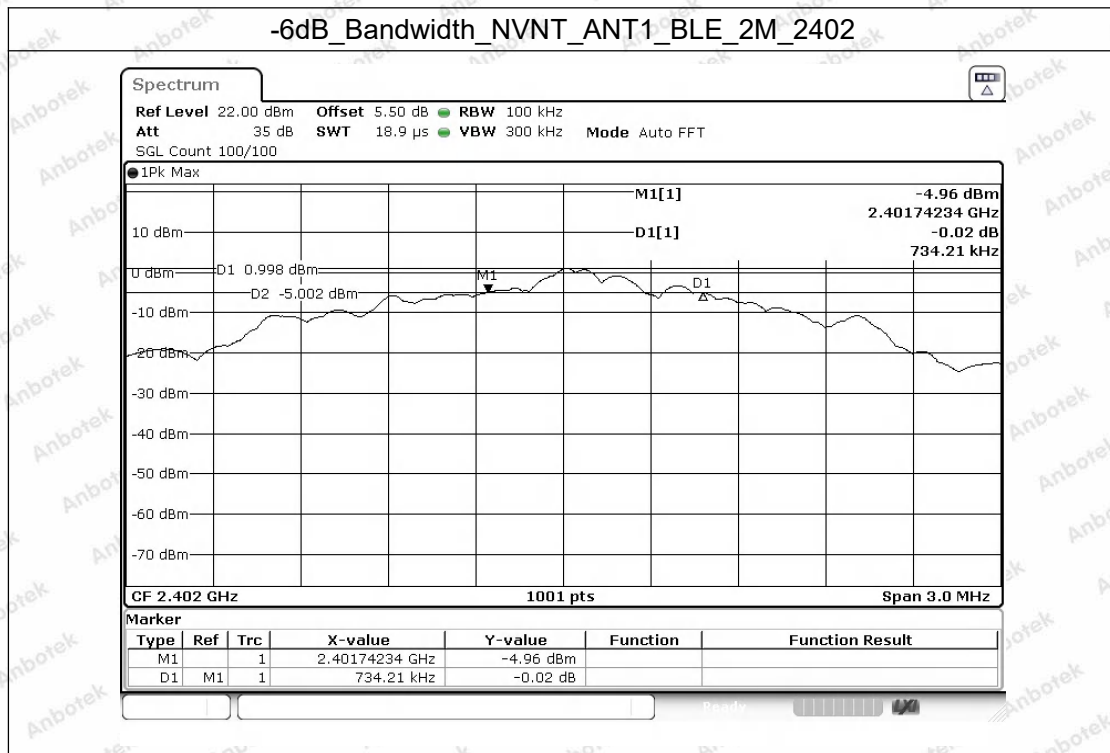
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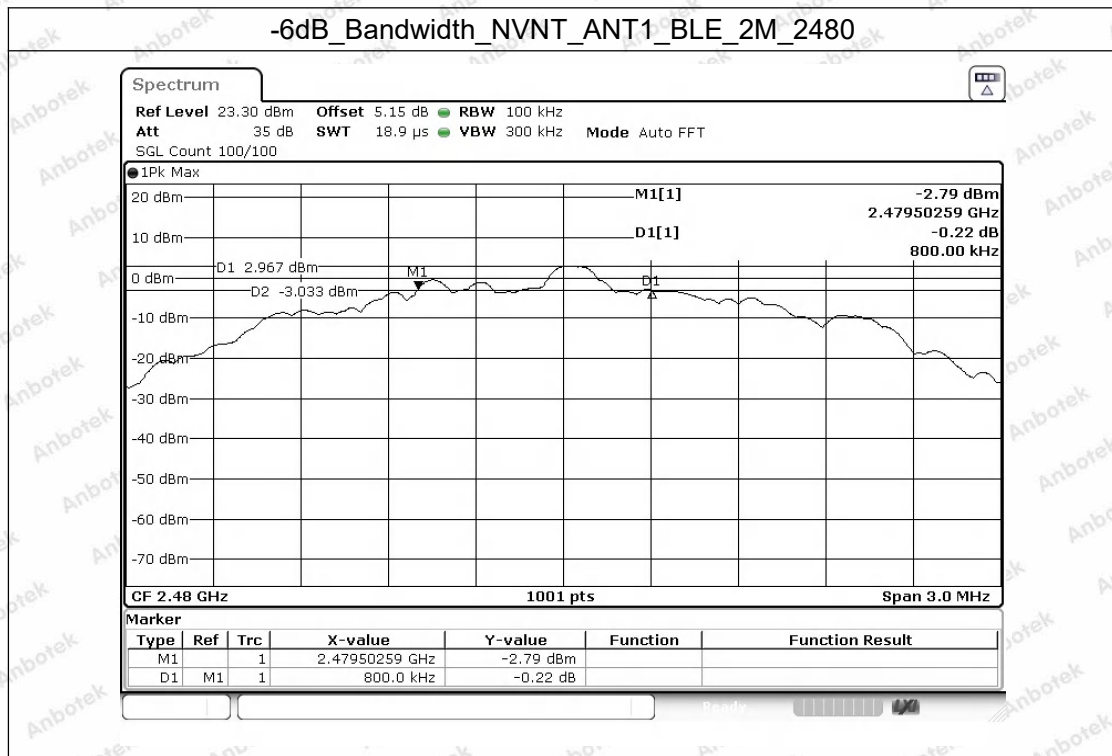
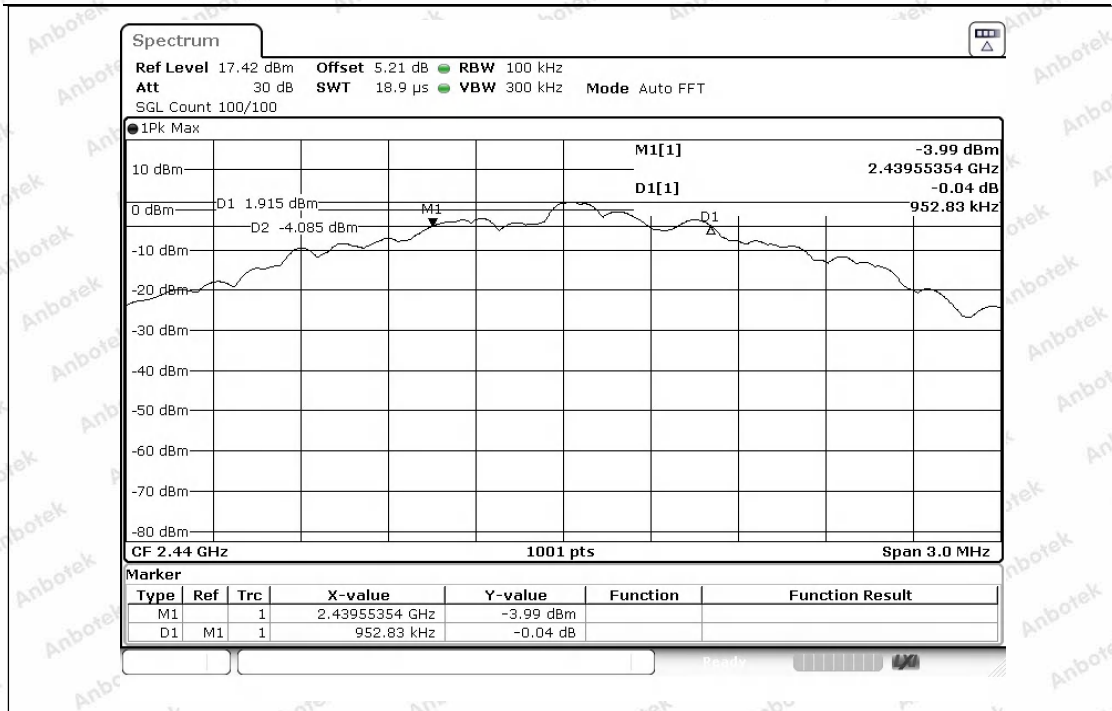
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**-6dB_Bandwidth_NVNT_ANT1_BLE_2M_2402****-6dB_Bandwidth_NVNT_ANT1_BLE_2M_2440**

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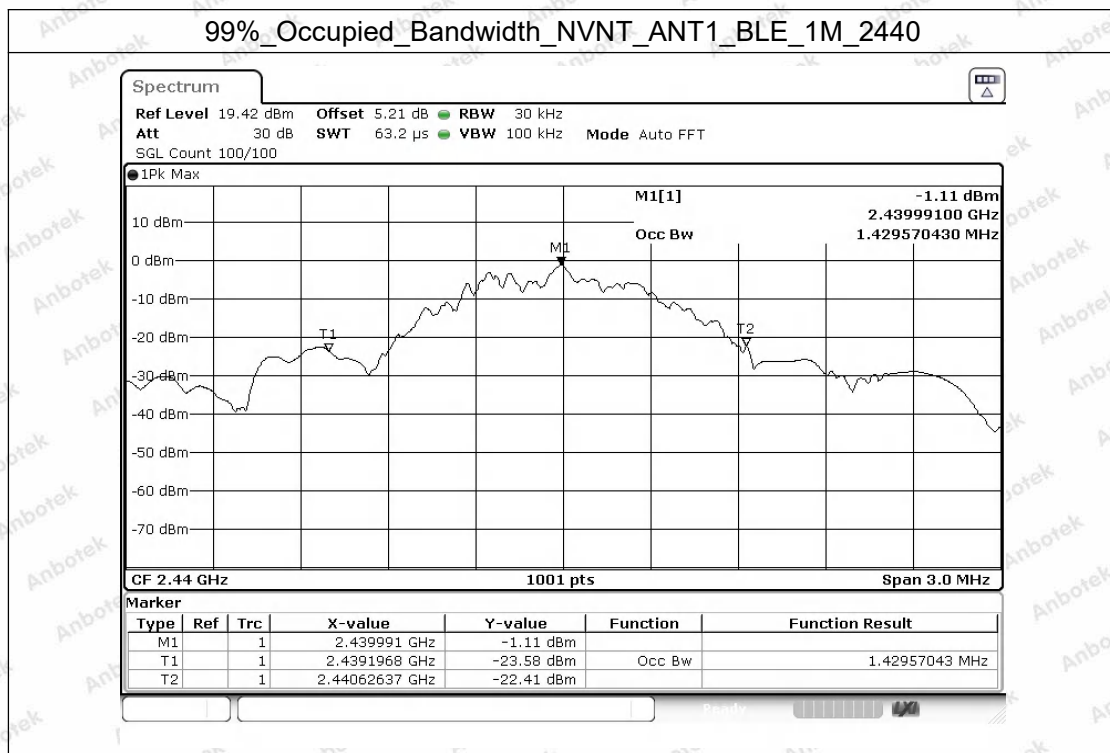
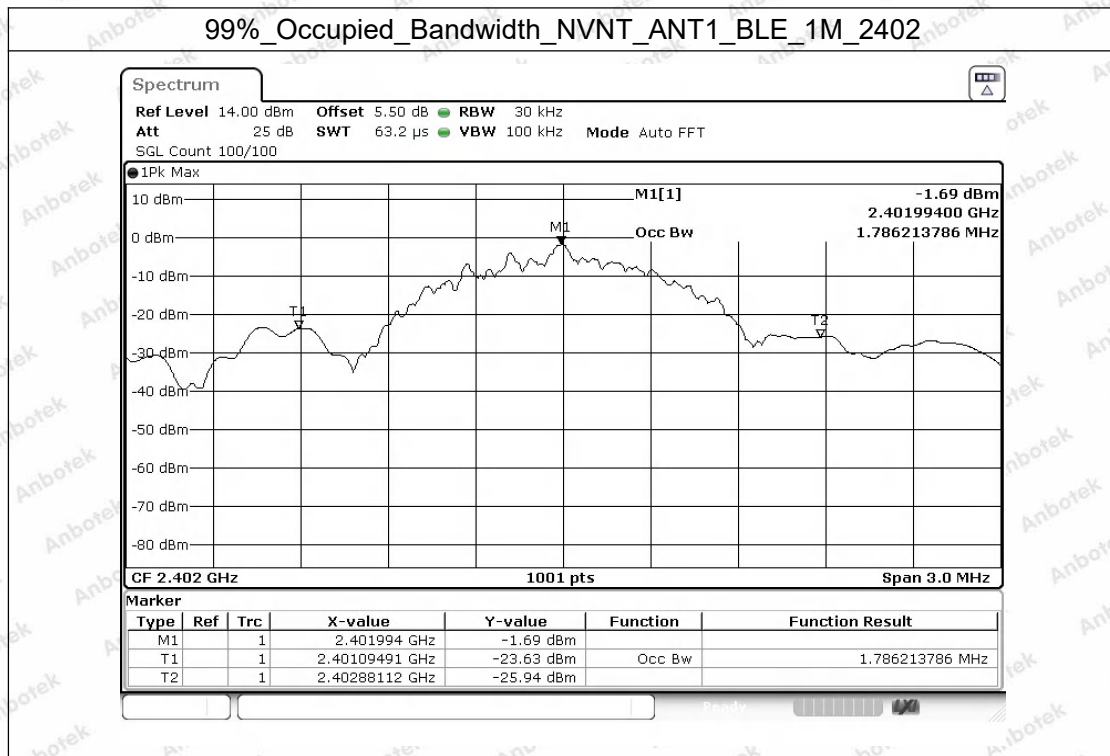
Appendix B: 99% Occupied Bandwidth

Test Result

Condition	Antenna	Rate	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	BLE_1M	2402	1.786
NVNT	ANT1	BLE_1M	2440	1.430
NVNT	ANT1	BLE_1M	2480	1.163
NVNT	ANT1	BLE_2M	2402	2.206
NVNT	ANT1	BLE_2M	2440	2.152
NVNT	ANT1	BLE_2M	2480	2.260

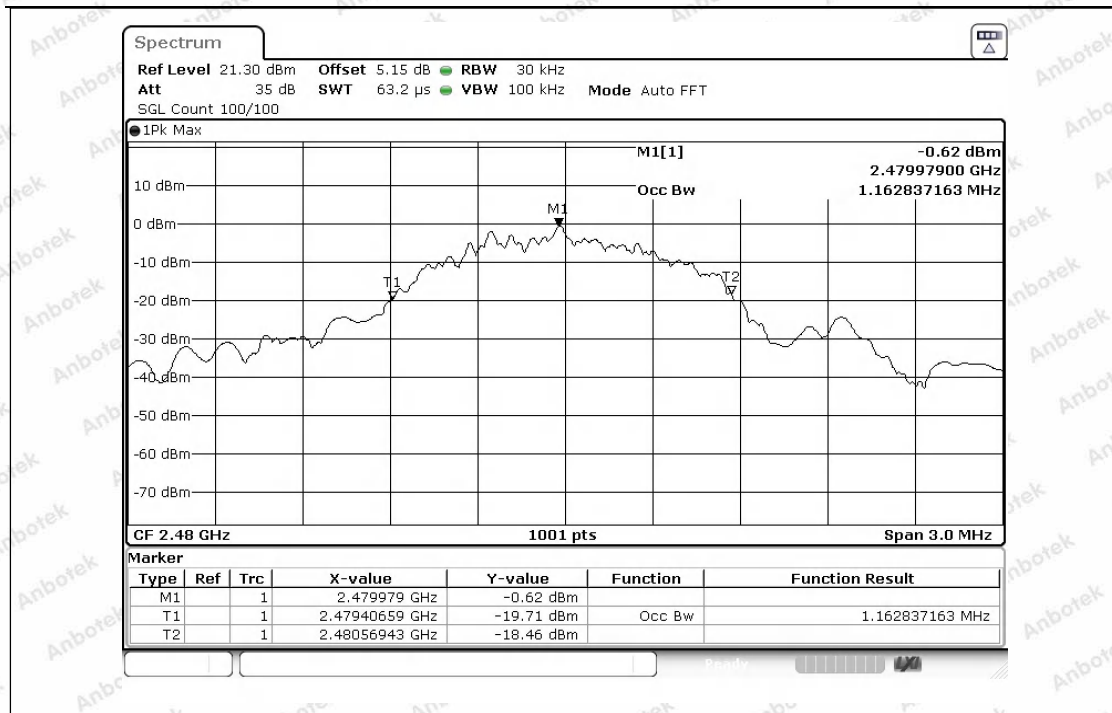


Test Graphs

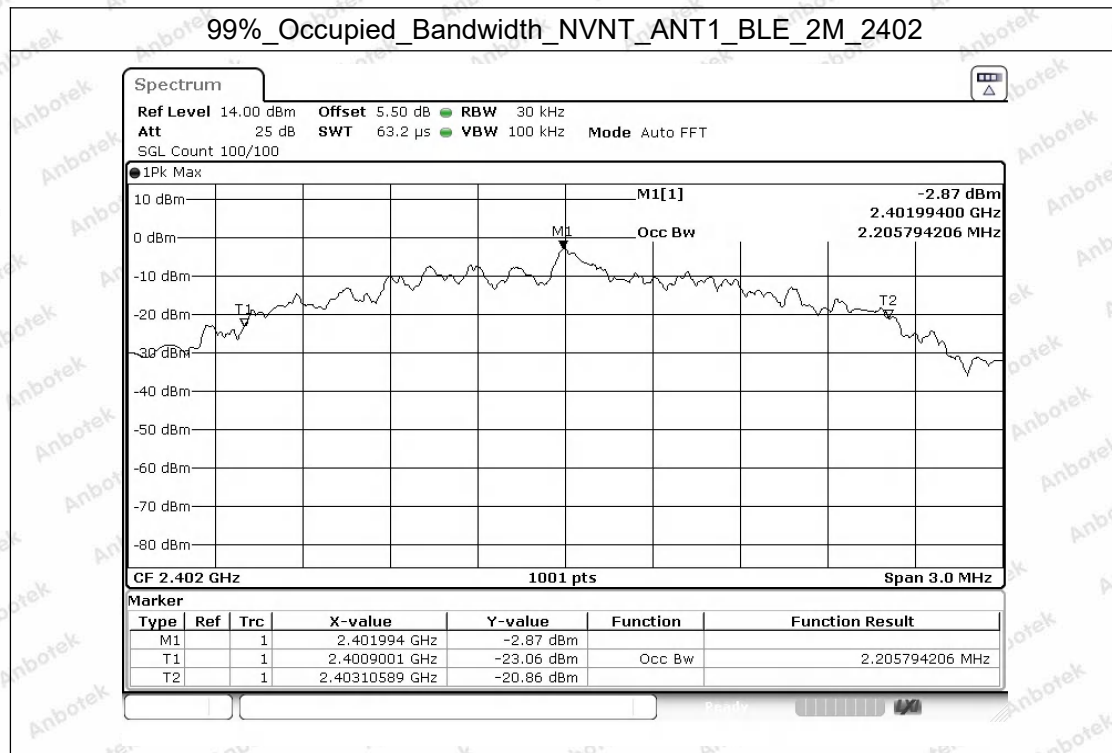


99%_Occupied_Bandwidth_NVNT_ANT1_BLE_1M_2480





99%_Occupied_Bandwidth_NVNT_ANT1_BLE_2M_2402



99%_Occupied_Bandwidth_NVNT_ANT1_BLE_2M_2440

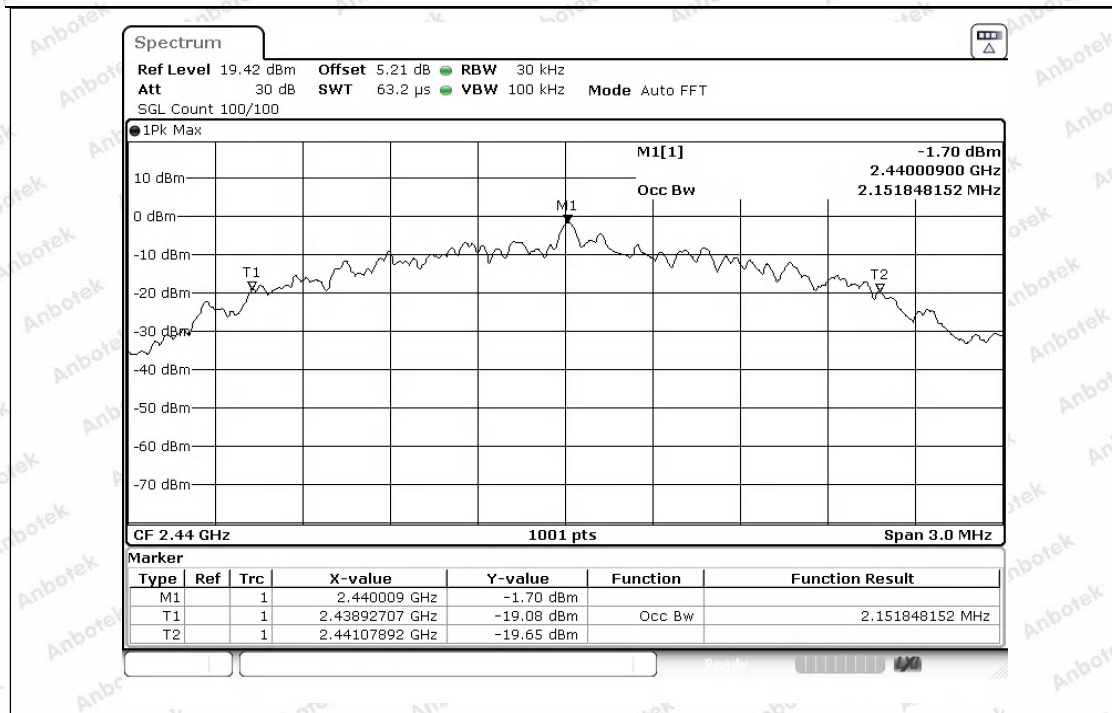
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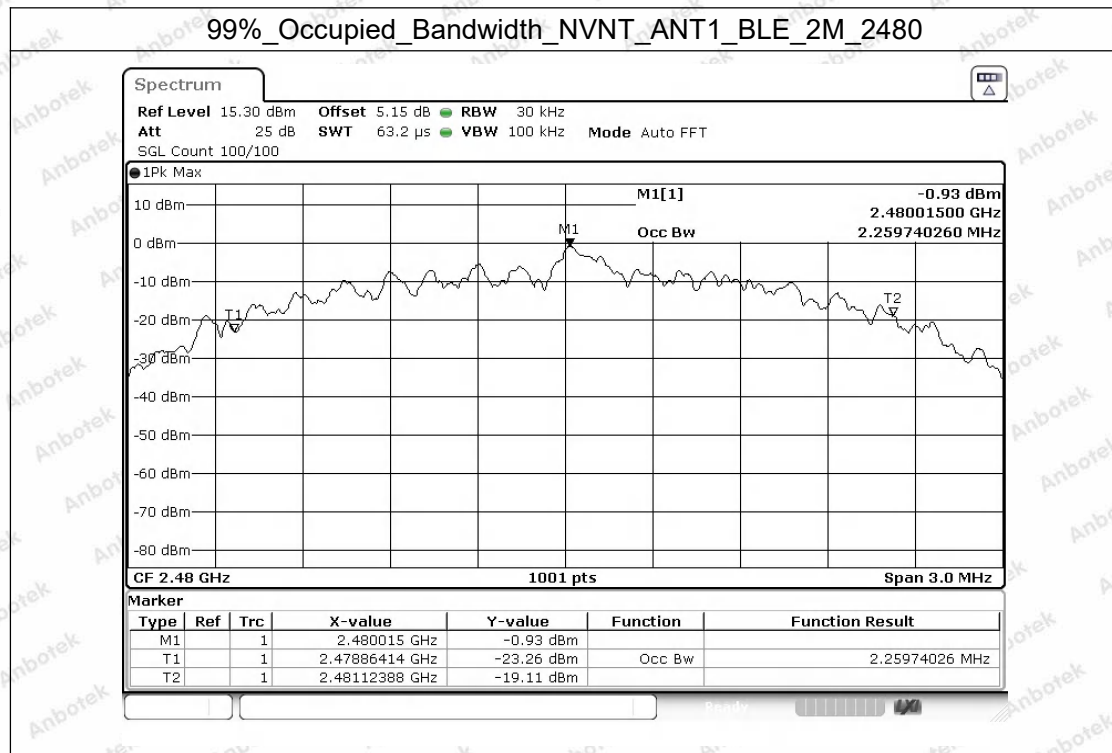


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99%_Occupied_Bandwidth_NVNT_ANT1_BLE_2M_2480



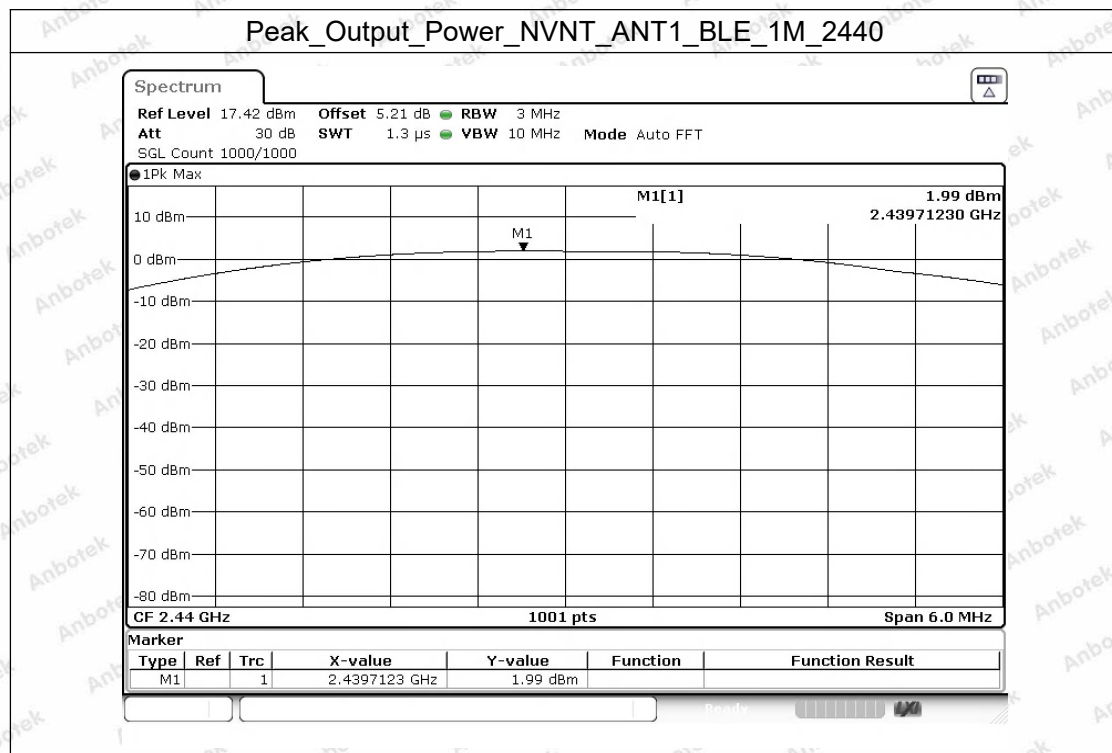
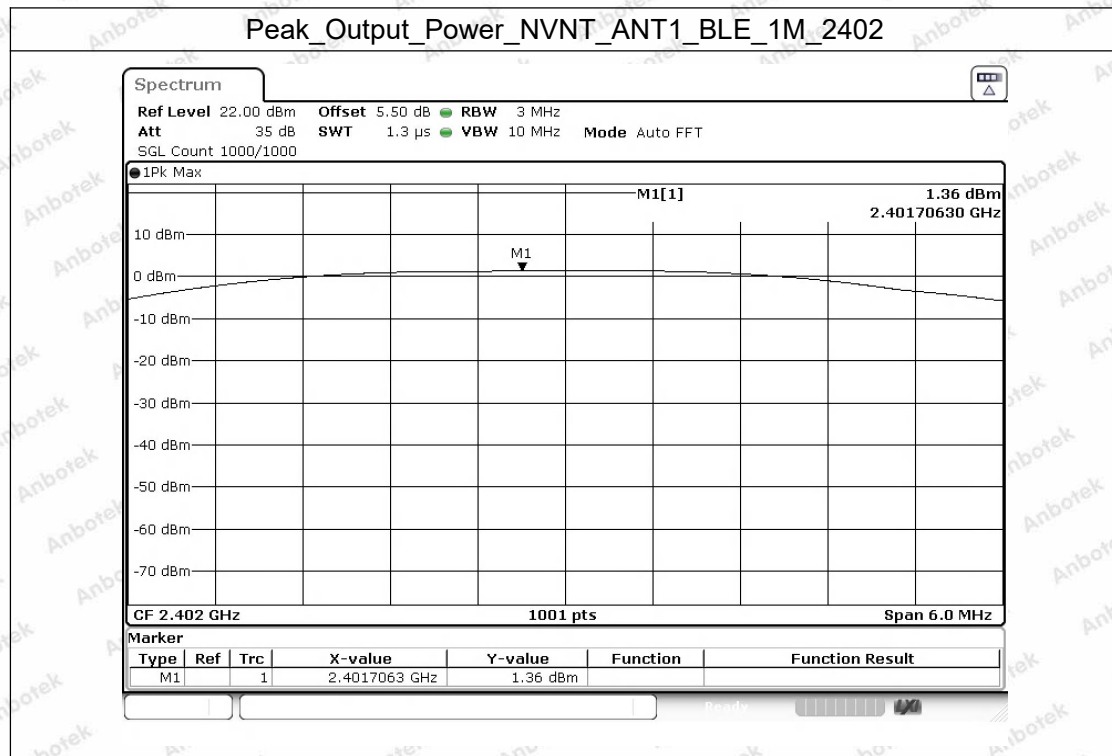
Appendix C: Maximum conducted output power

Test Result Peak

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	BLE_1M	2402	1.36	1.37	1000	Pass
NVNT	ANT1	BLE_1M	2440	1.99	1.58	1000	Pass
NVNT	ANT1	BLE_1M	2480	3.00	2.00	1000	Pass
NVNT	ANT1	BLE_2M	2402	1.35	1.36	1000	Pass
NVNT	ANT1	BLE_2M	2440	2.18	1.65	1000	Pass
NVNT	ANT1	BLE_2M	2480	3.17	2.07	1000	Pass



Test Graphs



Peak_Output_Power_NVNT_ANT1_BLE_1M_2480

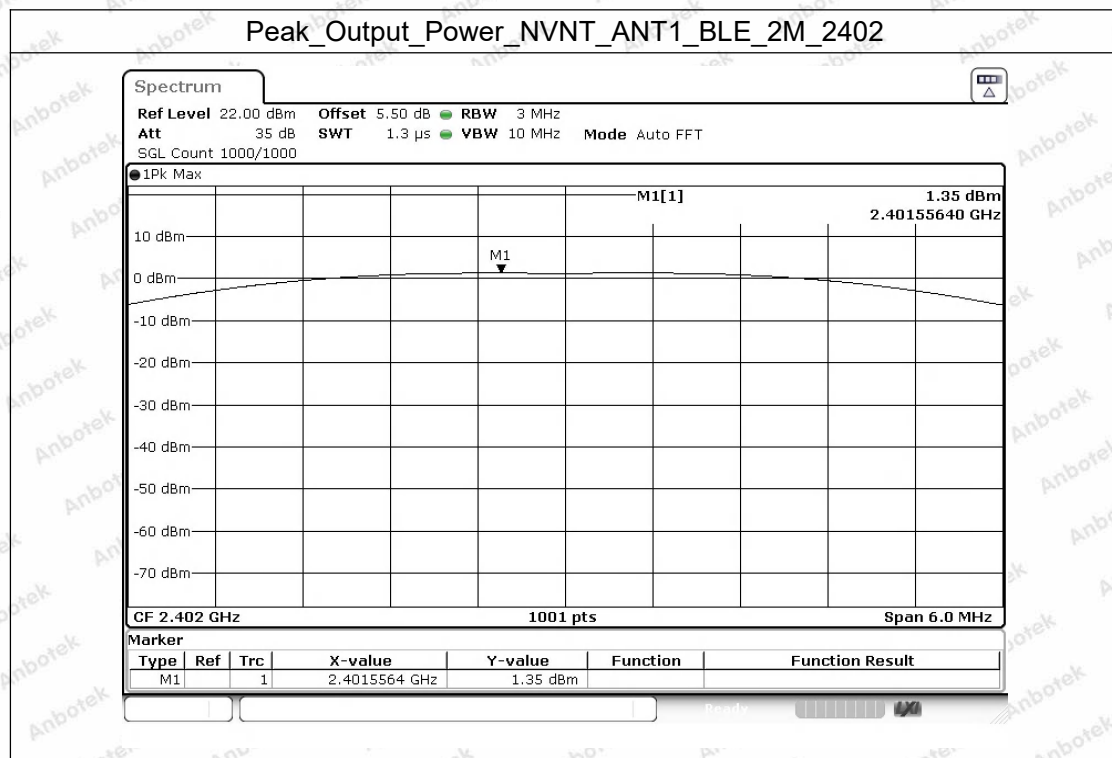
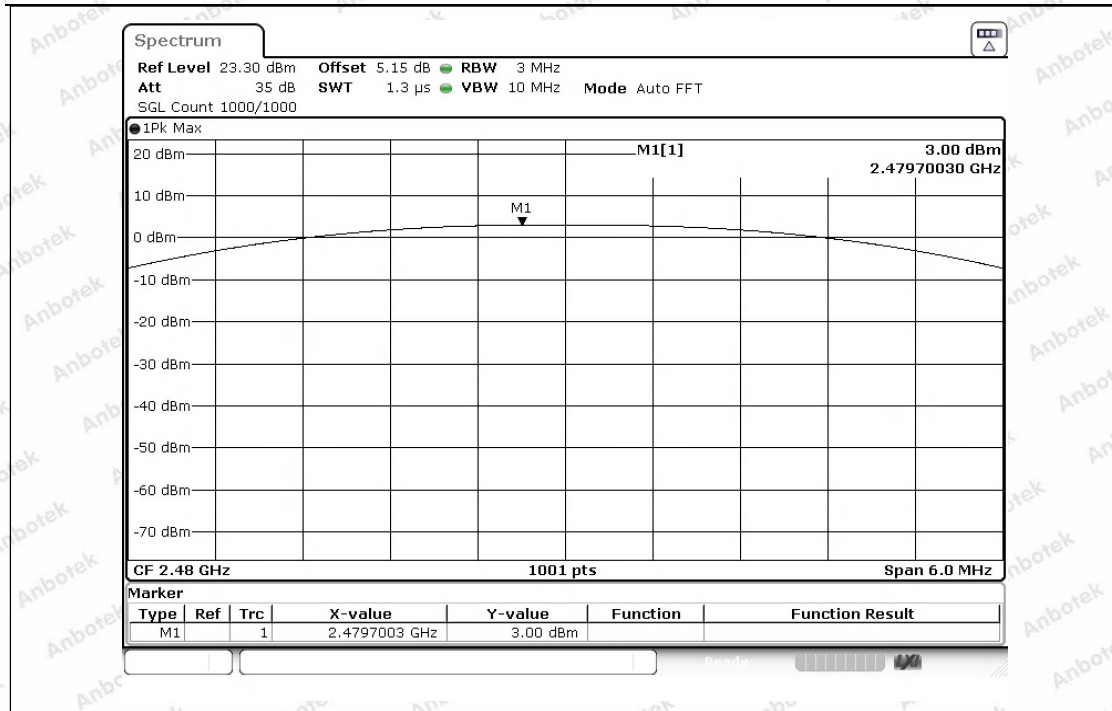
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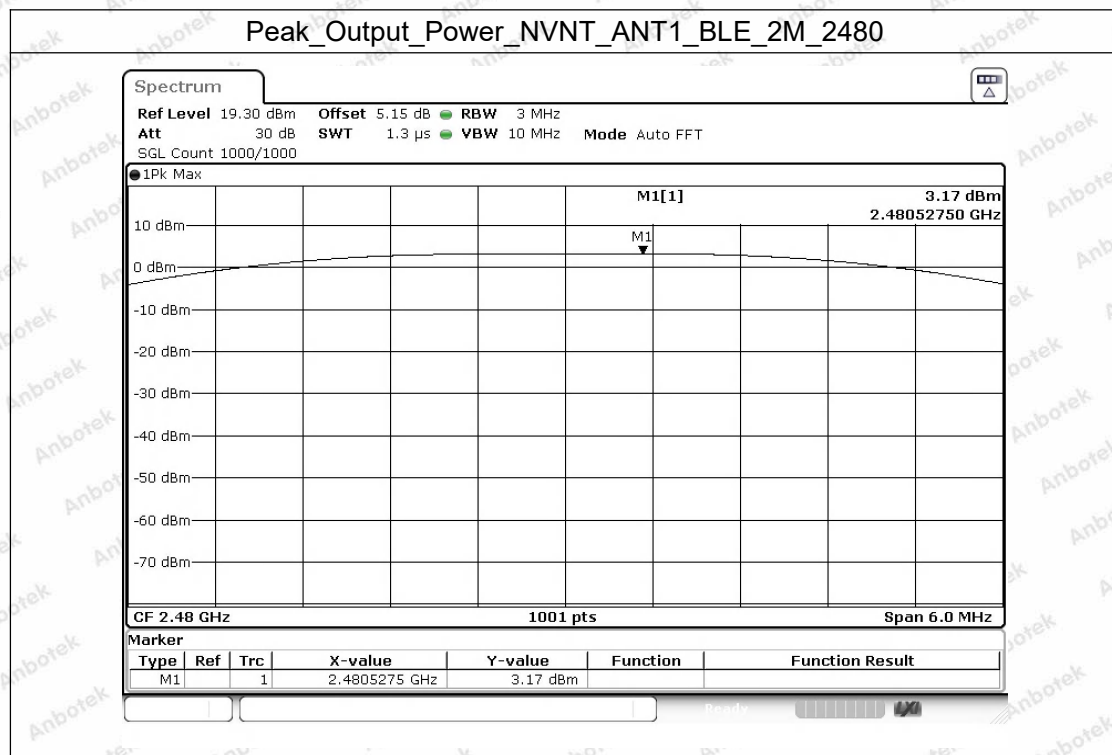
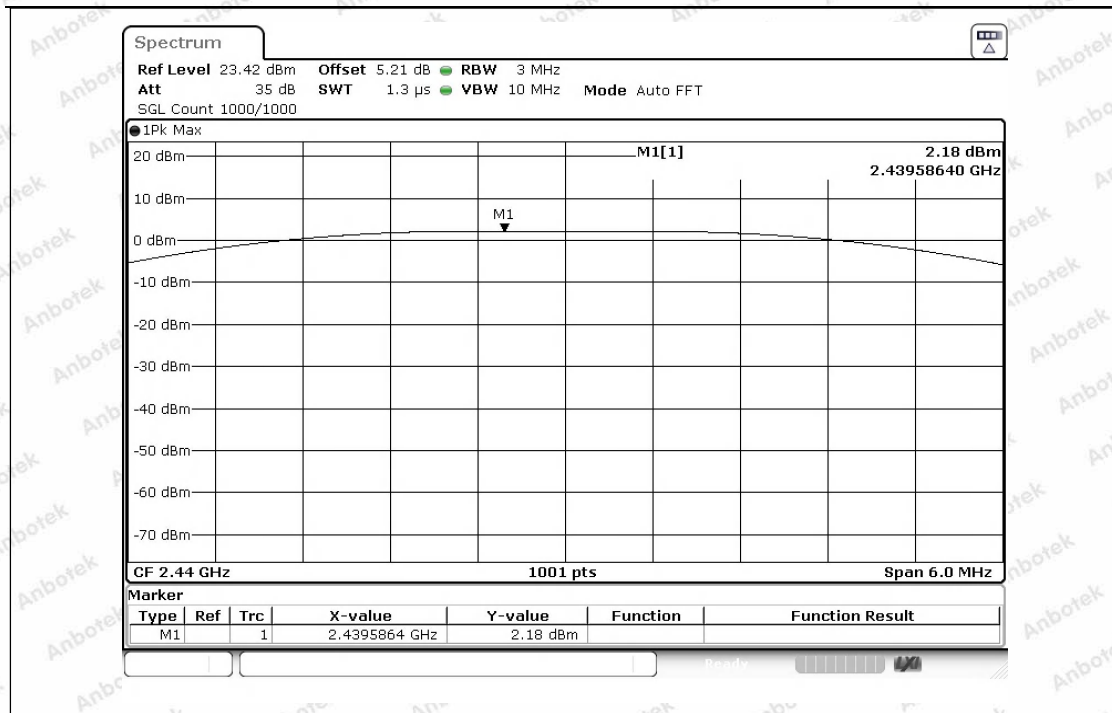
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Peak_Output_Power_NVNT_ANT1_BLE_2M_2440



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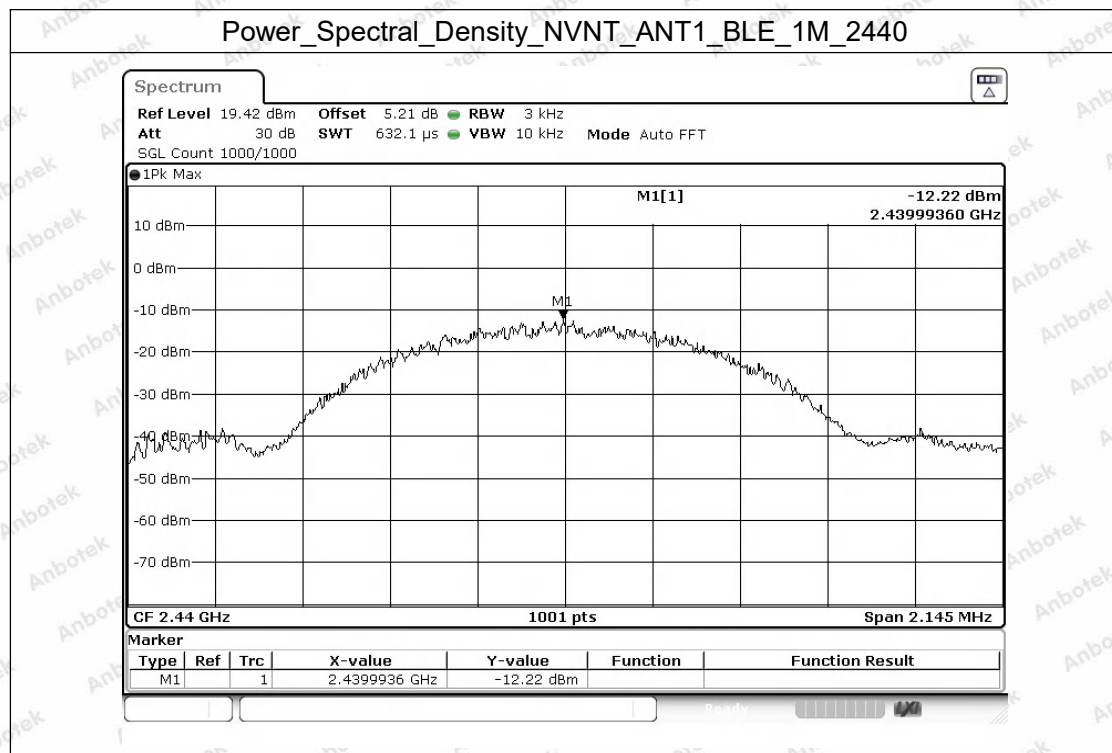
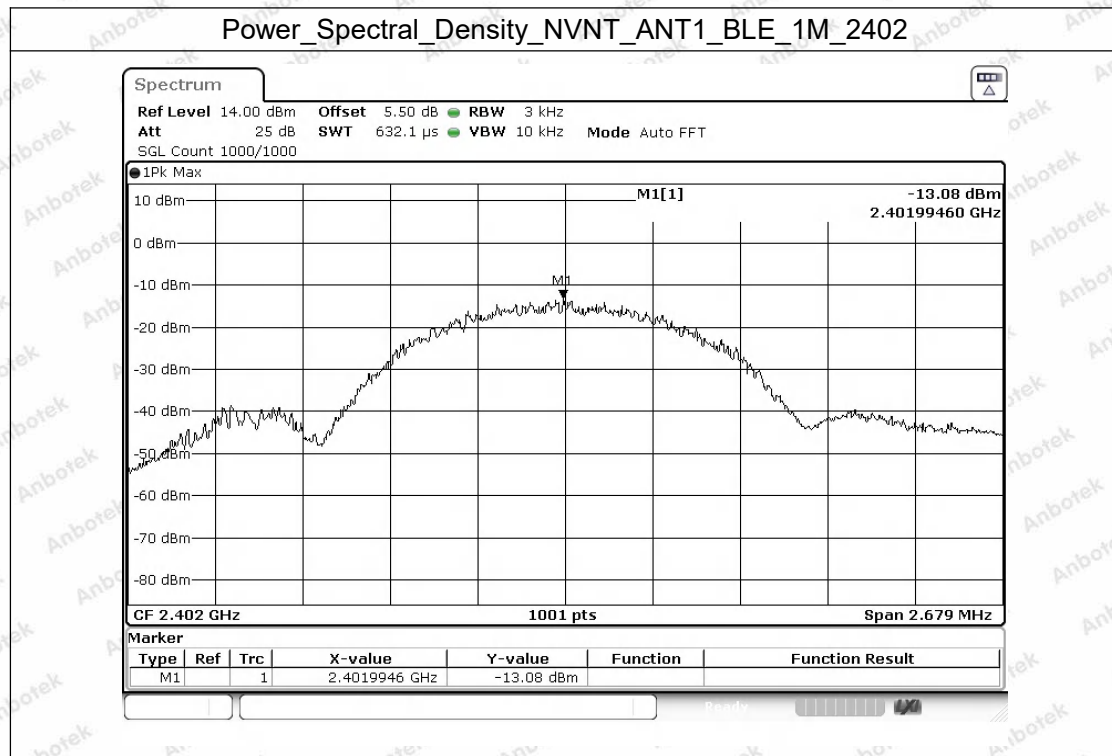
Appendix D: Maximum power spectral density

Test Result

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm)	Limit(dBm/3kHz)	Result
NVNT	ANT1	BLE_1M	2402	-13.08	8	Pass
NVNT	ANT1	BLE_1M	2440	-12.22	8	Pass
NVNT	ANT1	BLE_1M	2480	-11.36	8	Pass
NVNT	ANT1	BLE_2M	2402	-14.19	8	Pass
NVNT	ANT1	BLE_2M	2440	-13.51	8	Pass
NVNT	ANT1	BLE_2M	2480	-13.09	8	Pass



Test Graphs



Power_Spectral_Density_NVNT_ANT1_BLE_1M_2480

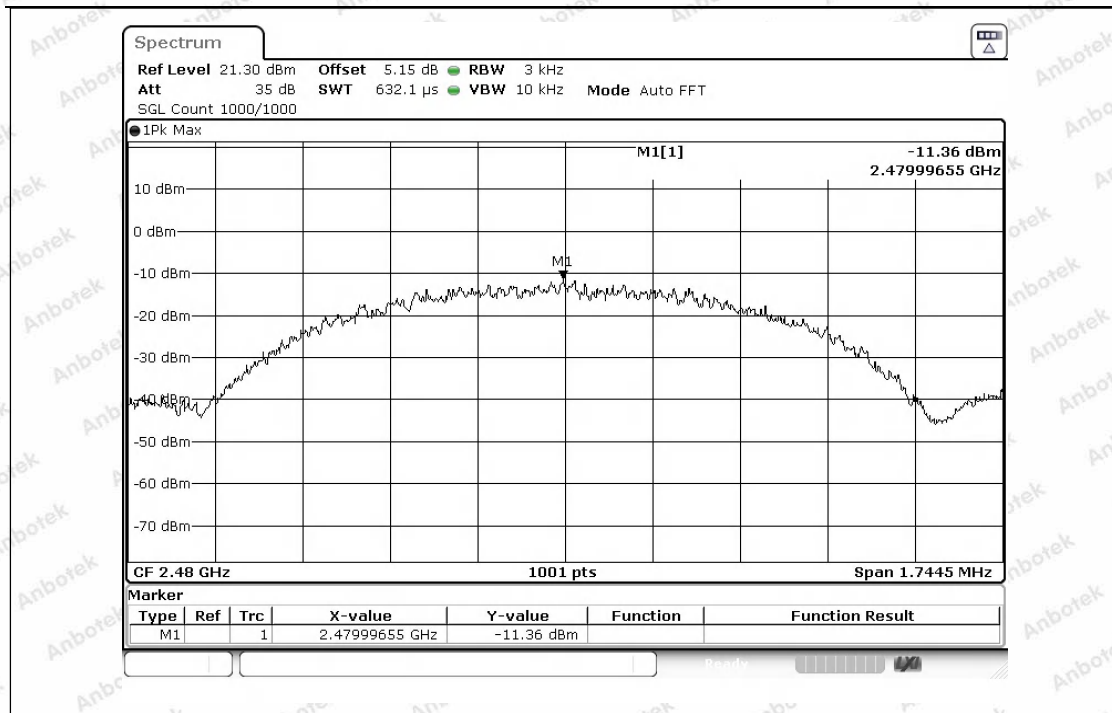
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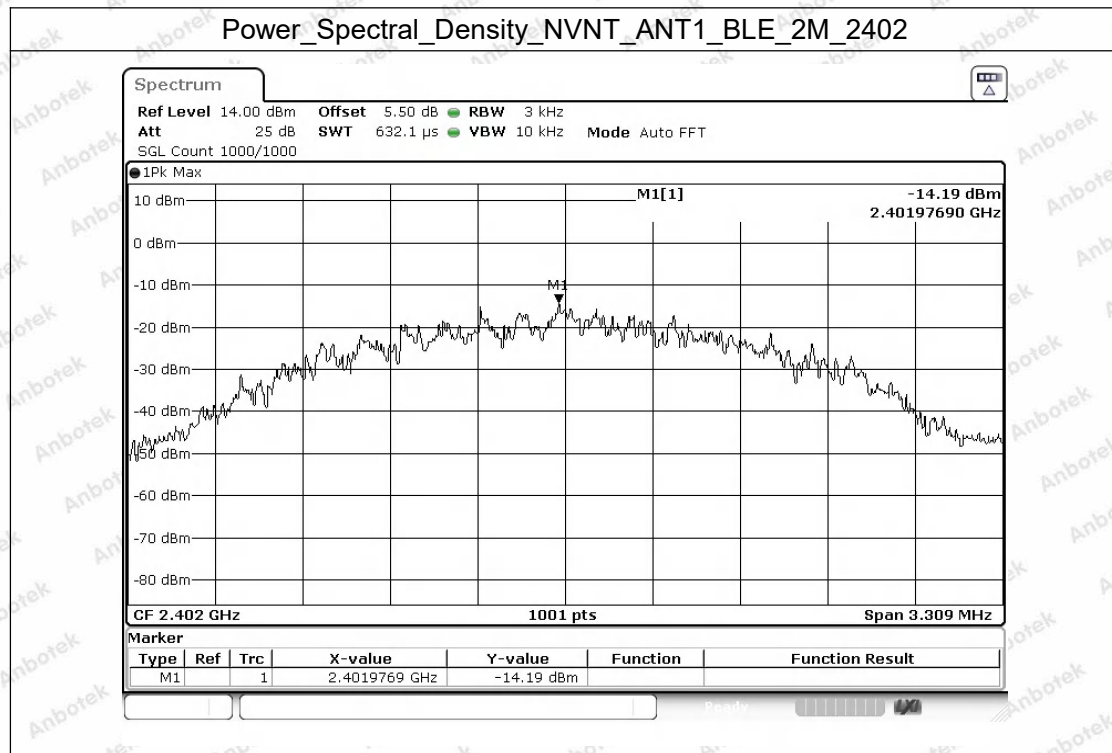


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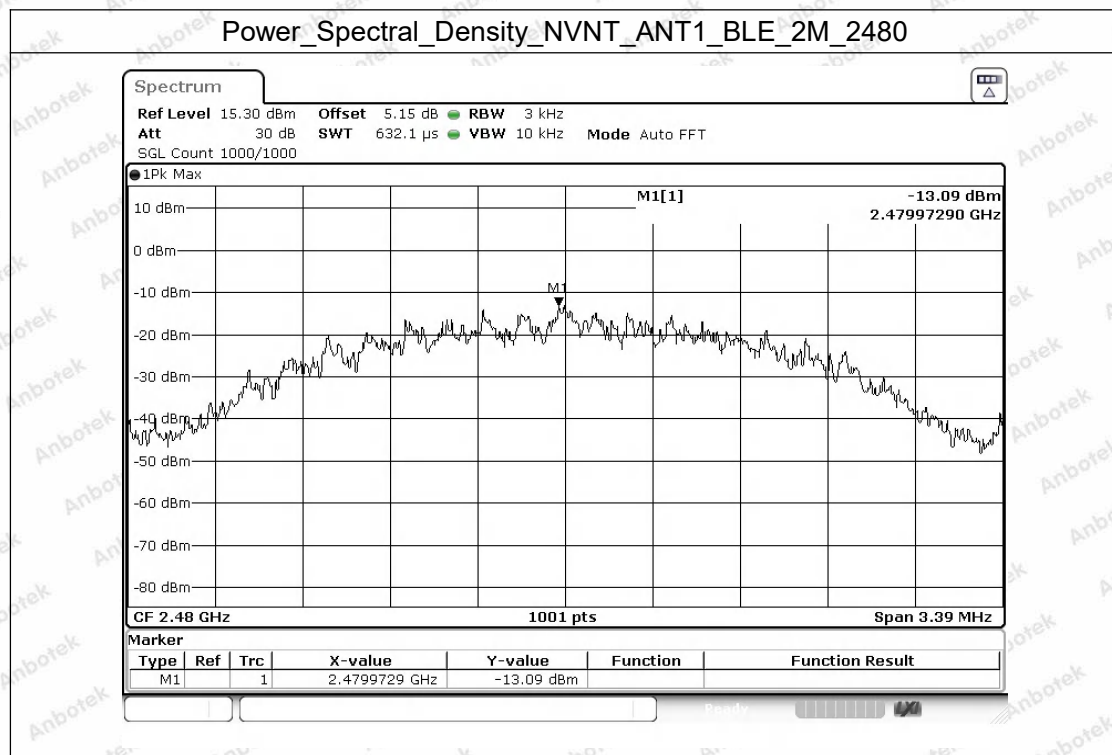
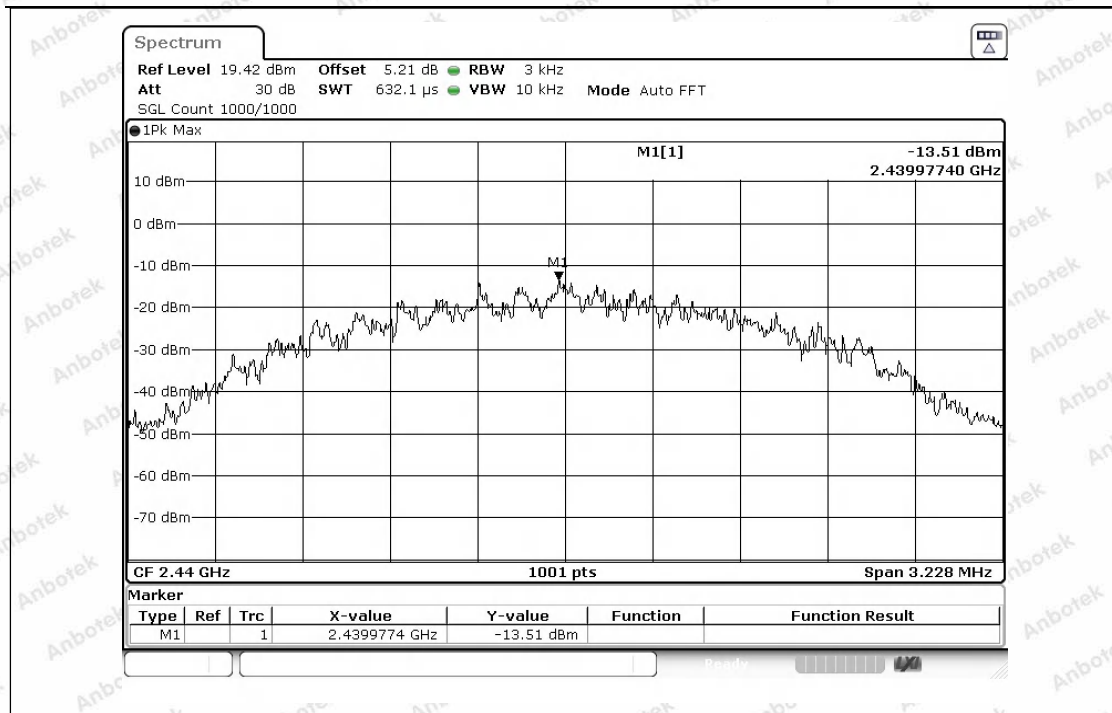


Power_Spectral_Density_NVNT_ANT1_BLE_2M_2402



Power_Spectral_Density_NVNT_ANT1_BLE_2M_2440



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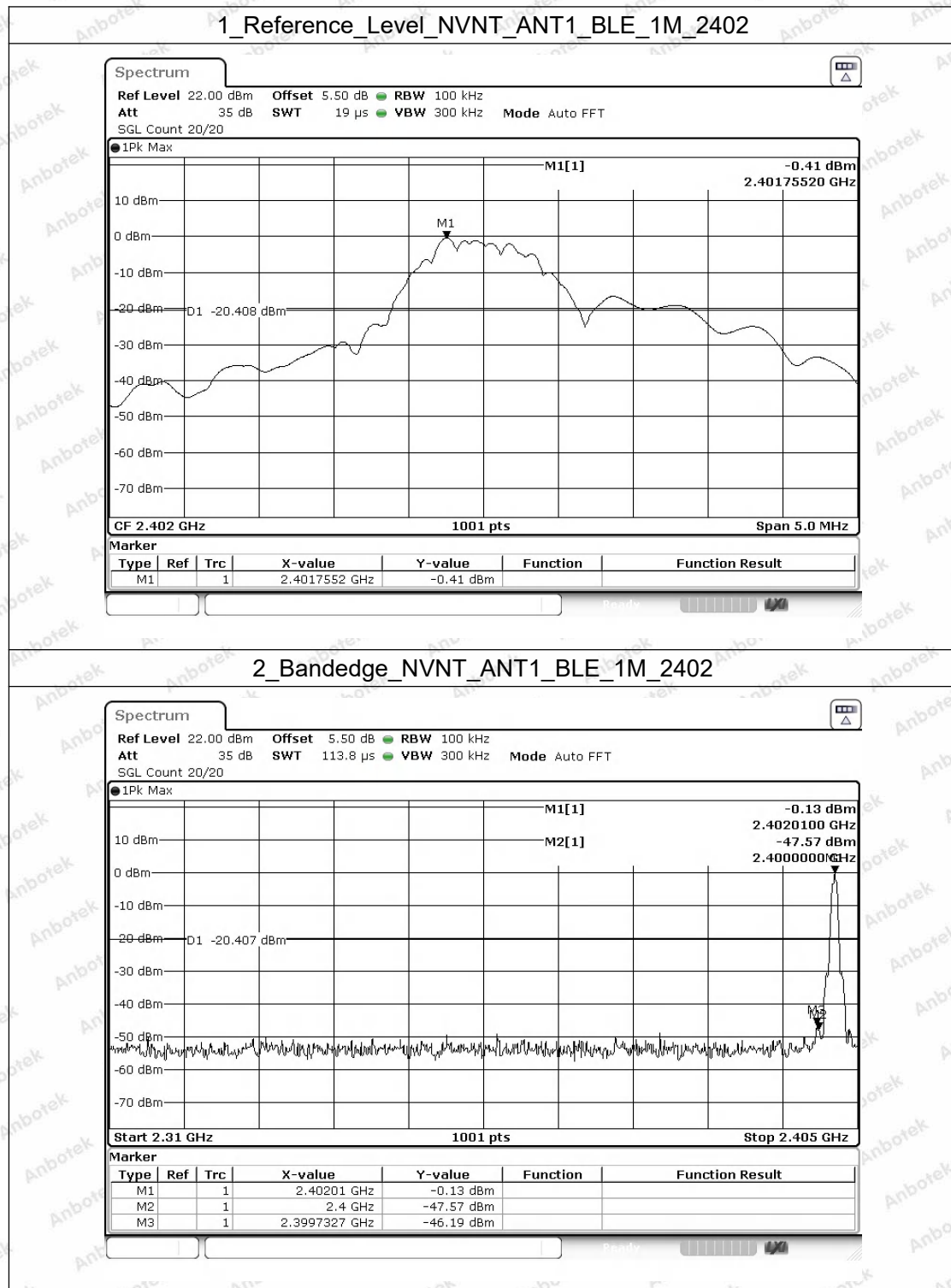
Appendix E: Band edge measurements

Test Result

Condition	Antenna	Rate	TX_Frequency (MHz)	Max. Mark Frequency (MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	BLE_1M	2402	2399.733	-46.185	-20.407	Pass
NVNT	ANT1	BLE_1M	2480	2483.529	-47.537	-18.069	Pass
NVNT	ANT1	BLE_2M	2402	2399.923	-32.750	-23.359	Pass
NVNT	ANT1	BLE_2M	2480	2493.169	-48.748	-17.786	Pass



Test Graphs



1_Reference_Level_NVNT_ANT1_BLE_1M_2480

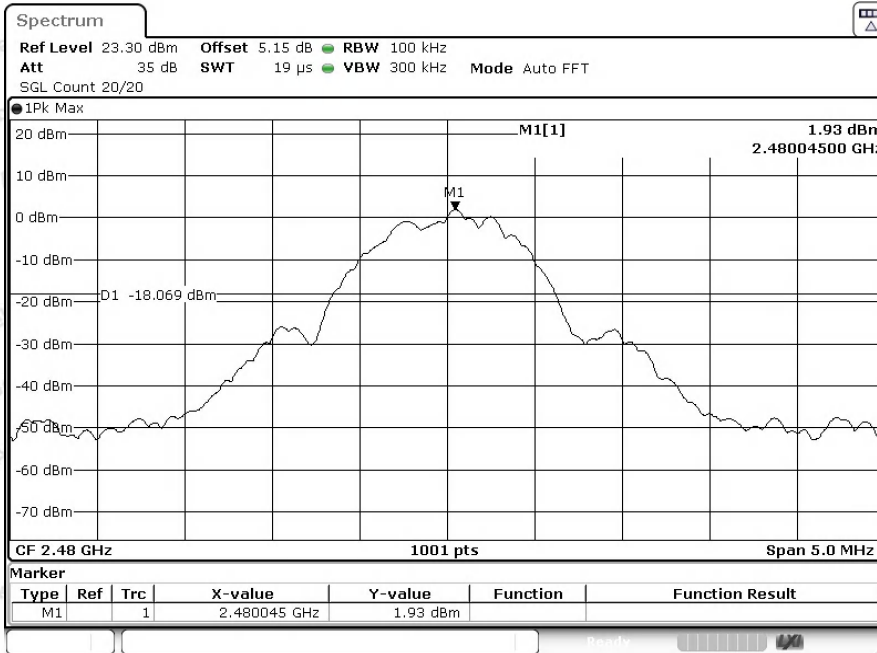
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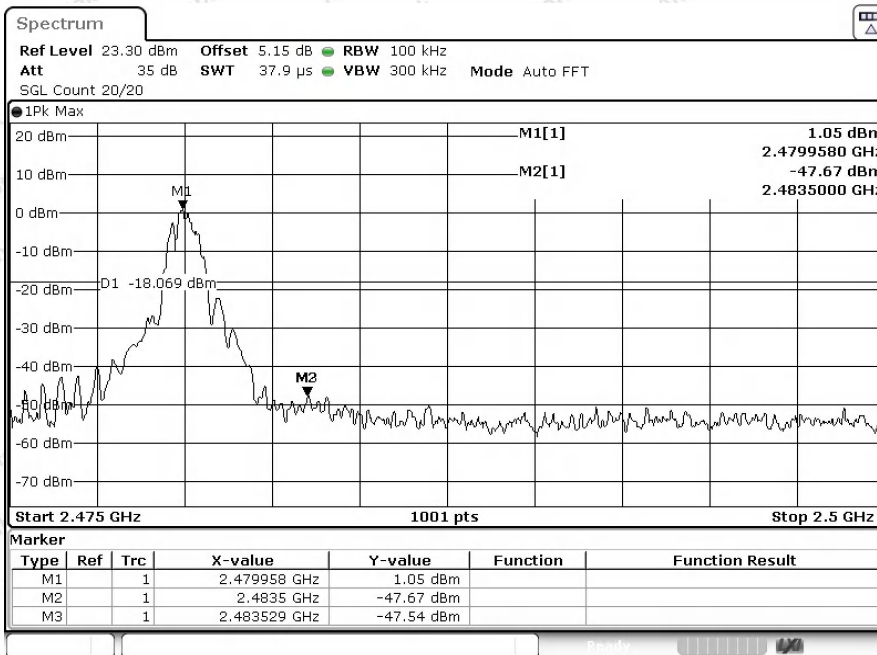


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2_Bandedge_NVNT_ANT1_BLE_1M_2480



1_Reference_Level_NVNT_ANT1_BLE_2M_2402

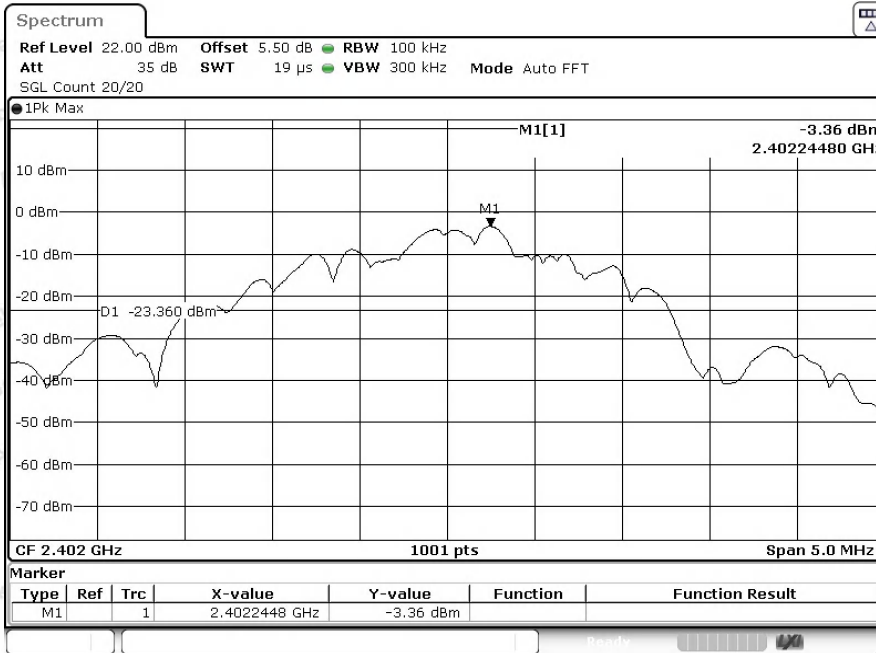
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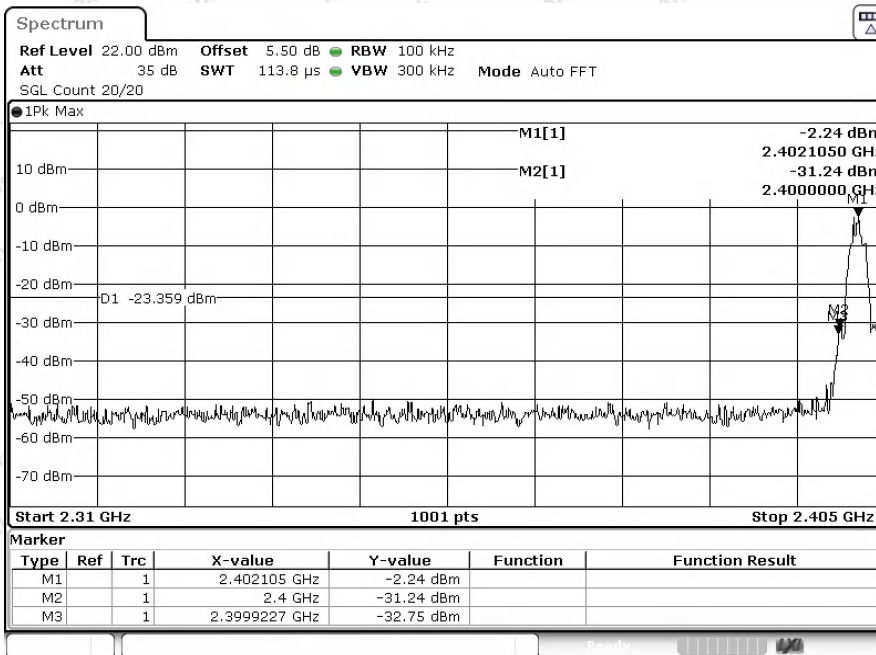


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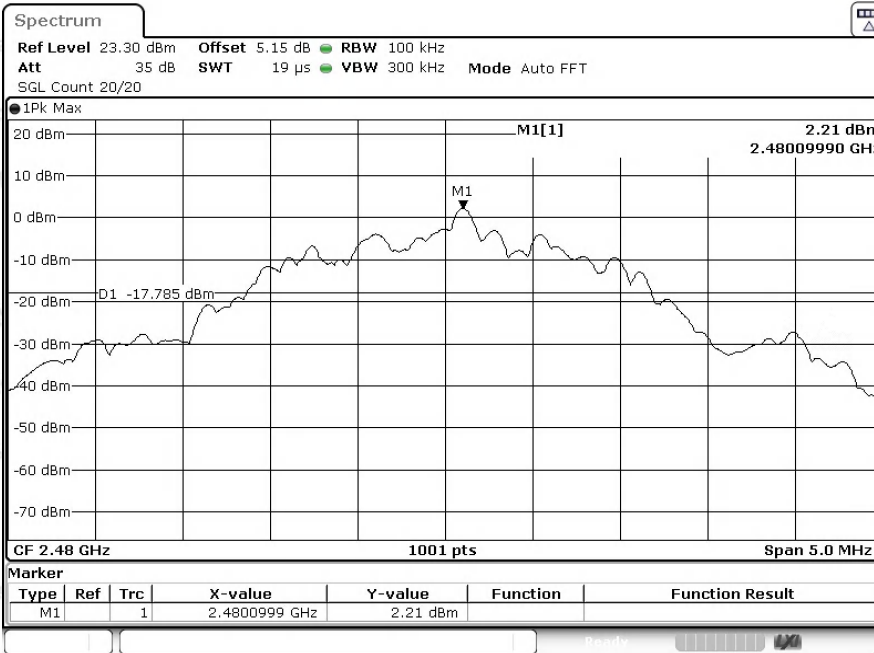


2_Bandedge_NVNT_ANT1_BLE_2M_2402

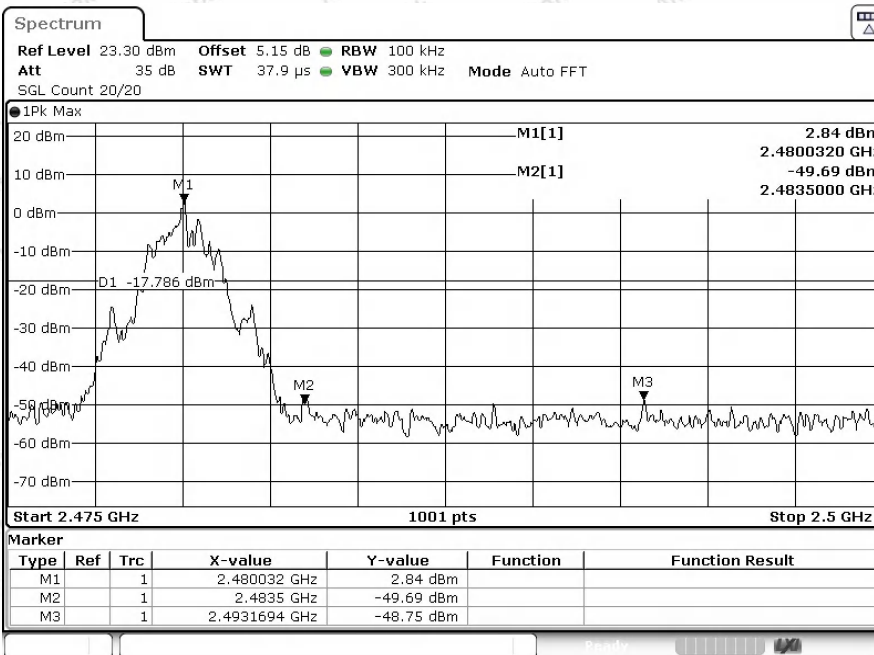


1_Reference_Level_NVNT_ANT1_BLE_2M_2480





2_Bandedge_NVNT_ANT1_BLE_2M_2480



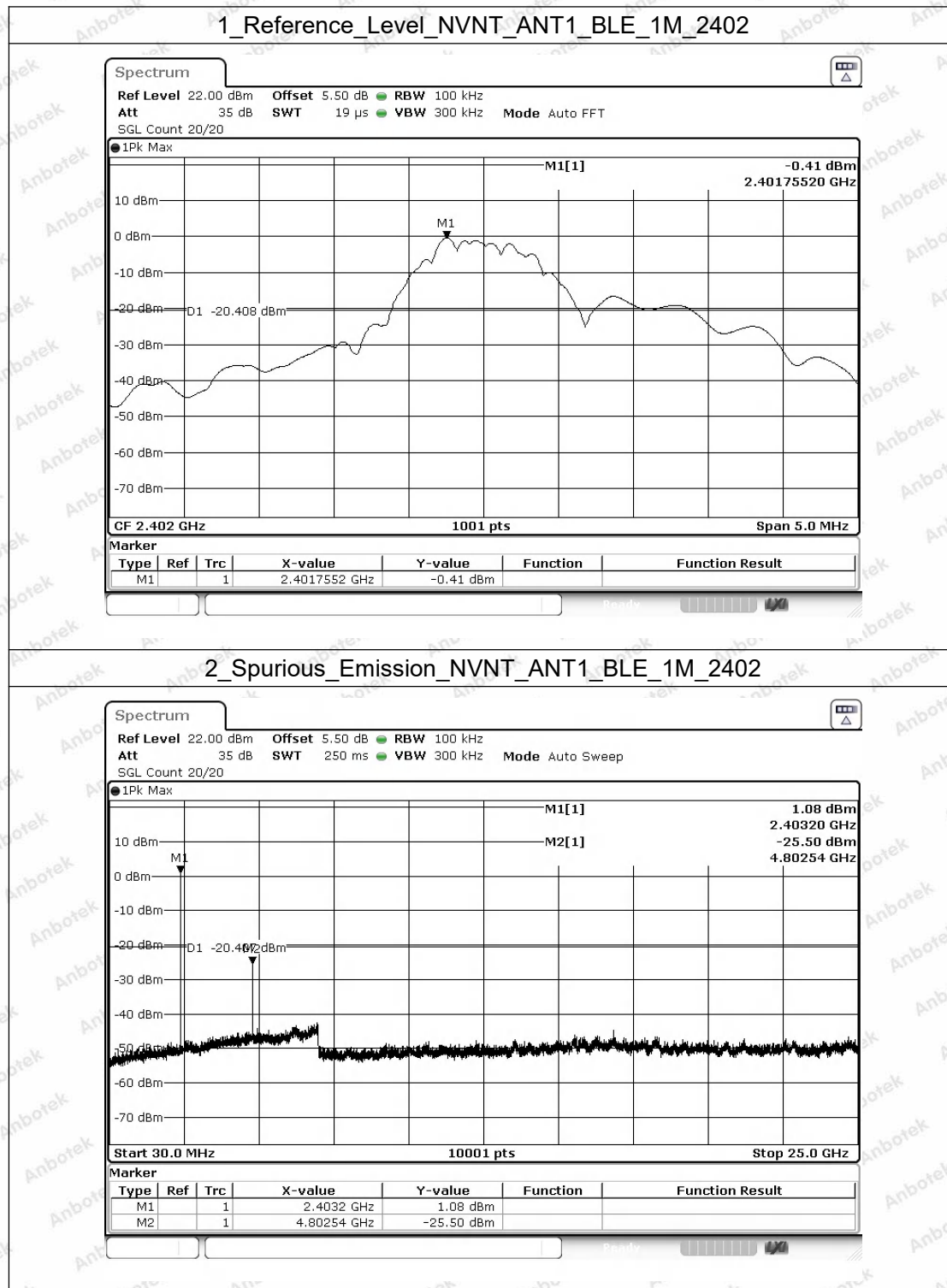
Appendix F: Conducted Spurious Emission

Test Result

Condition	Antenna	Rate	TX_Frequency(MHz)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	BLE_1M	2402	-25.497	-20.407	Pass
NVNT	ANT1	BLE_1M	2440	-22.998	-18.627	Pass
NVNT	ANT1	BLE_1M	2480	-25.260	-18.069	Pass
NVNT	ANT1	BLE_2M	2402	-25.743	-23.359	Pass
NVNT	ANT1	BLE_2M	2440	-22.930	-22.695	Pass
NVNT	ANT1	BLE_2M	2480	-23.821	-17.786	Pass



Test Graphs



1_Reference_Level_NVNT_ANT1_BLE_1M_2440

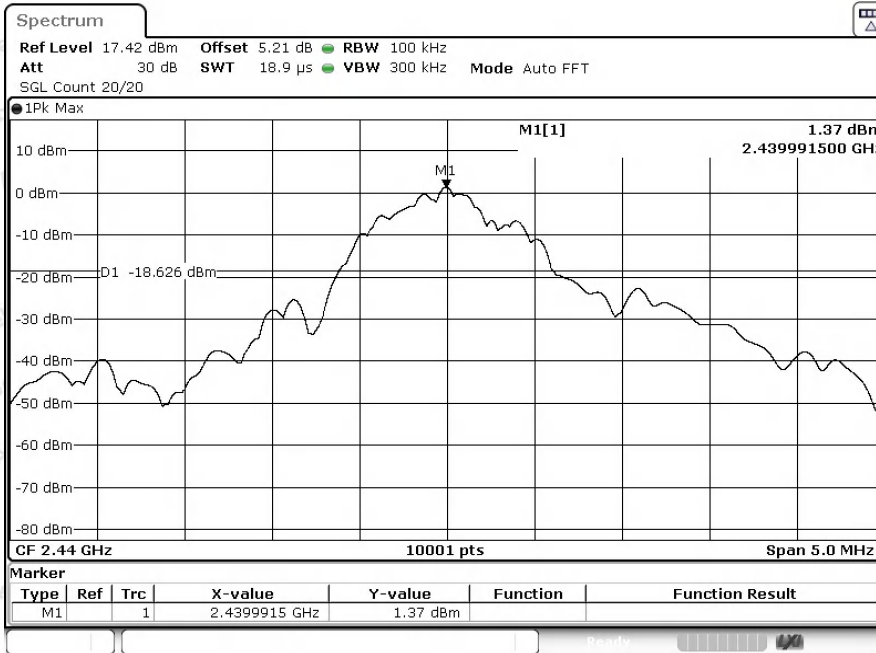
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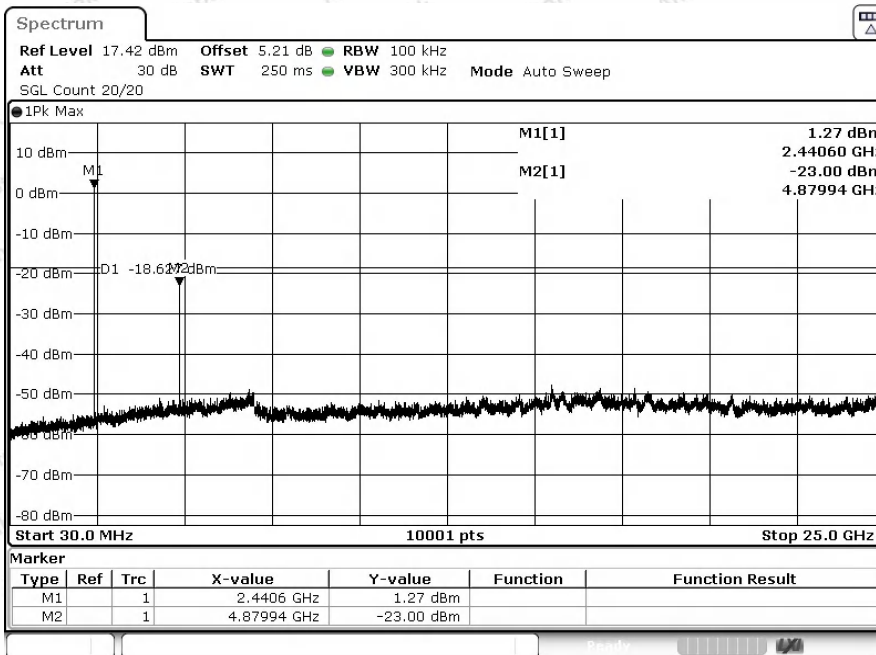


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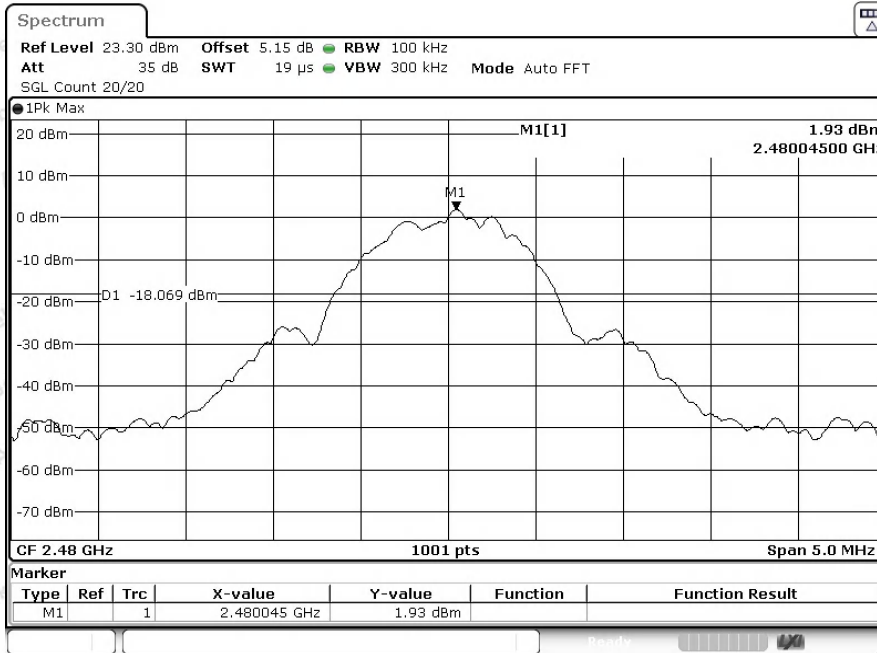


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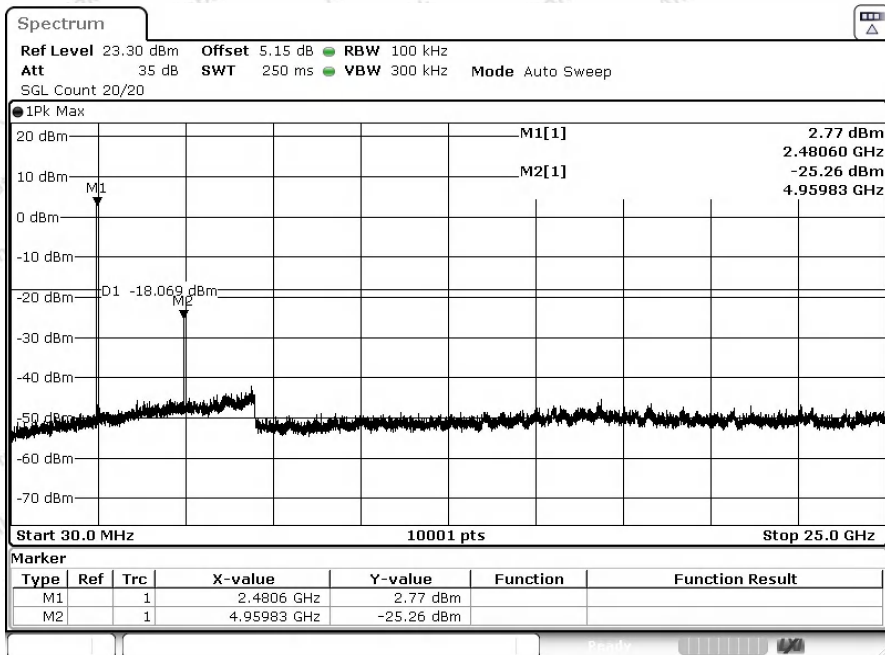


1_Reference_Level_NVNT_ANT1_BLE_1M_2480



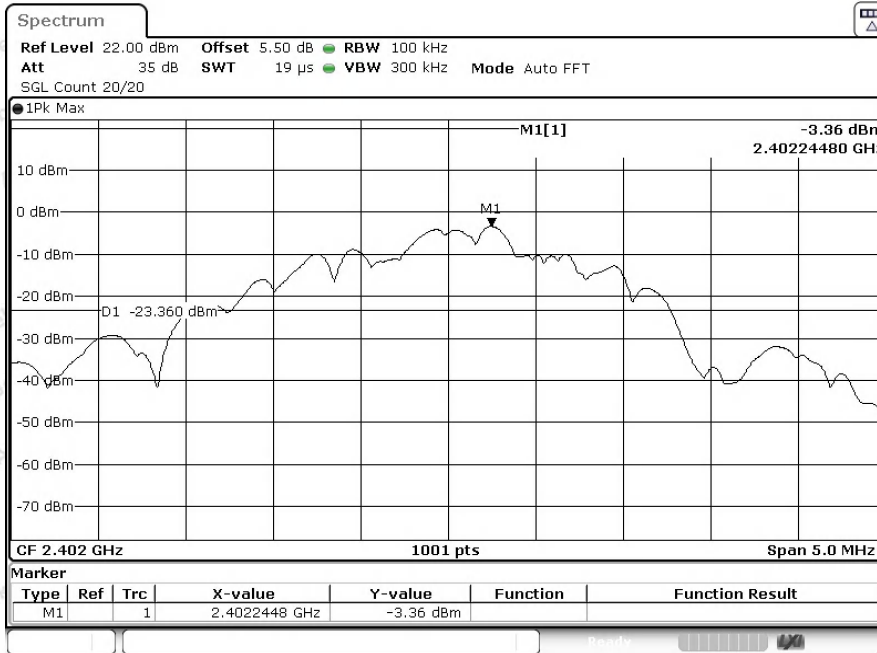


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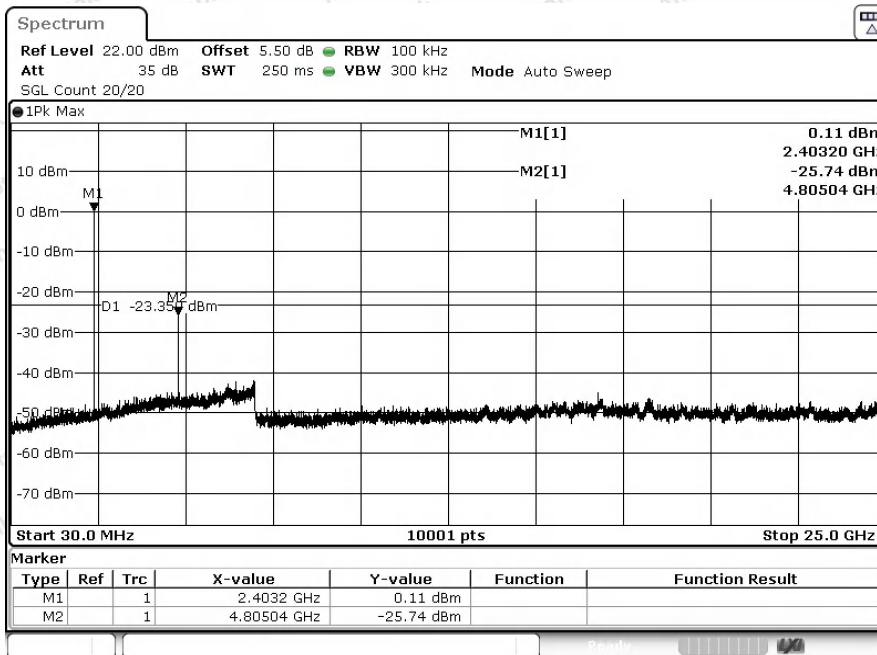


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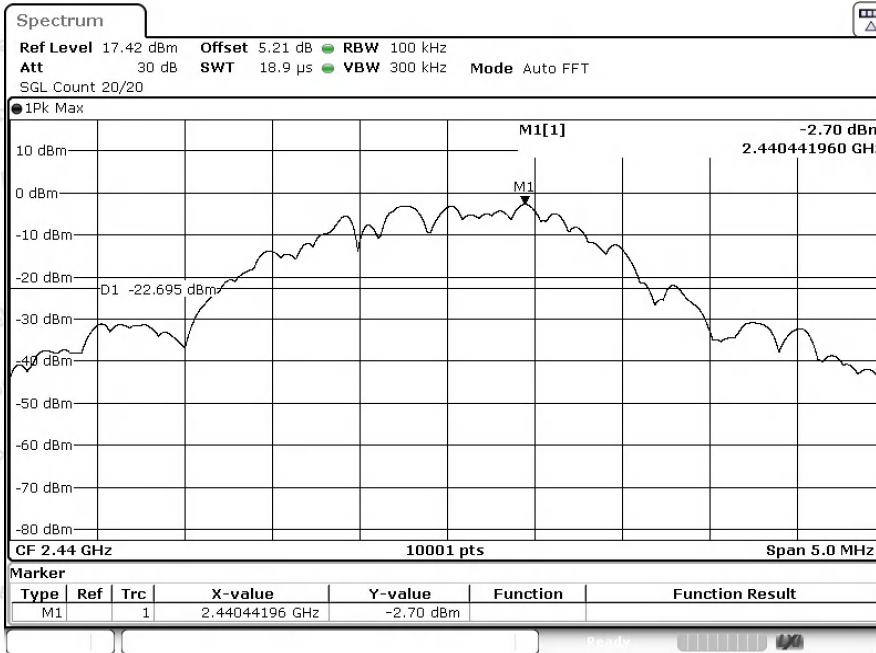


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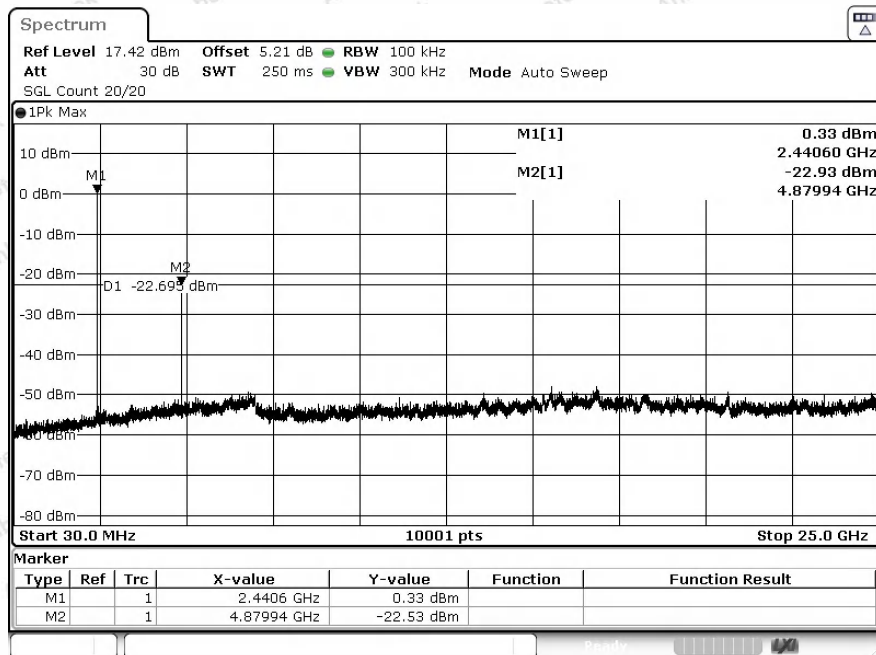


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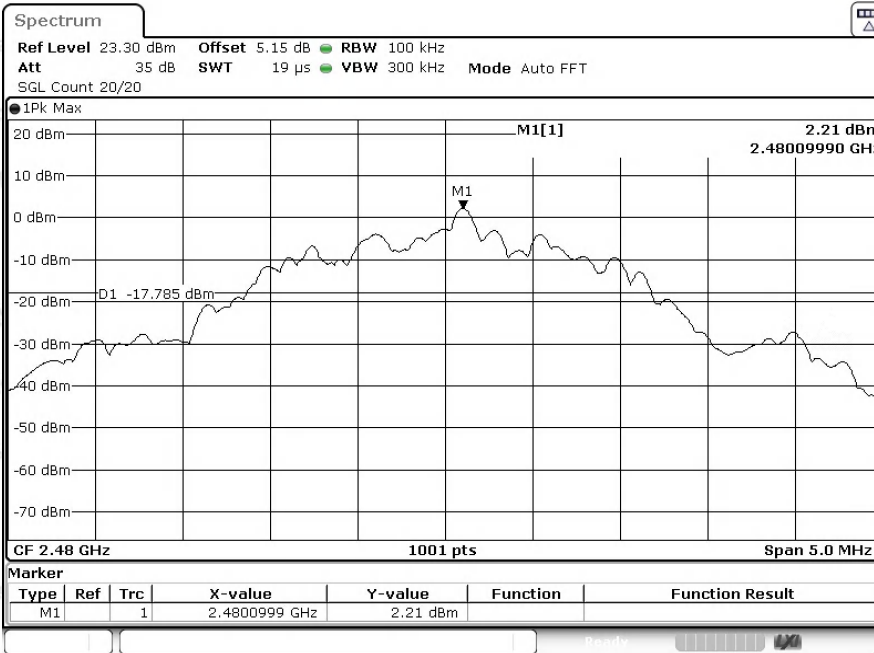


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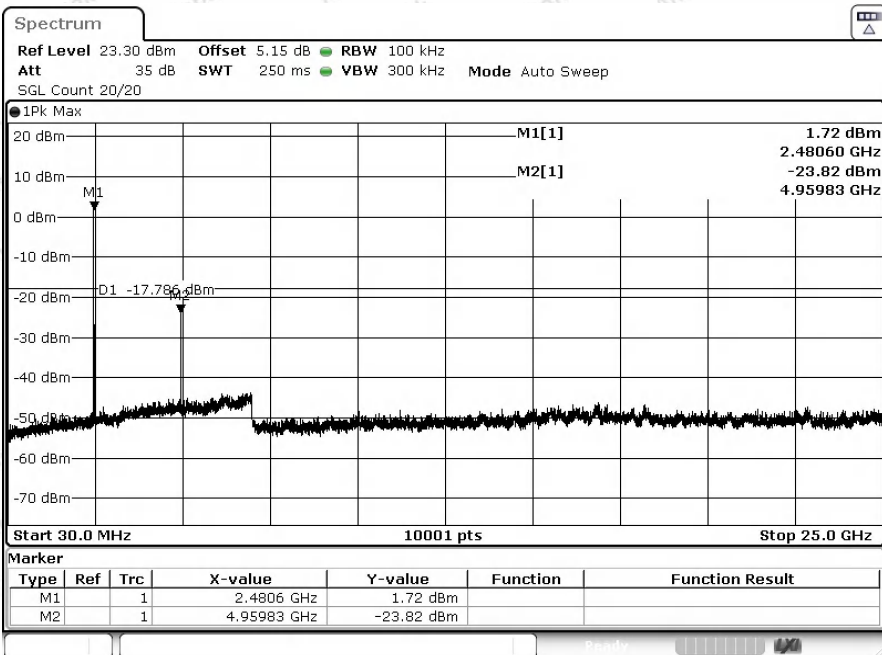


1_Reference_Level_NVNT_ANT1_BLE_2M_2480





2_Spurious_Emission_NVNT_ANT1_BLE_2M_2480



---End---

