



Appendix A

RF Test Data for BT LE (Conducted Measurement)

Product Name: 10.1 inch QUAD CORE TABLET PDVD COMBO

Test Model: KJM-1098

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.0%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
	<i>Nick Peng</i>
Supervised by:	Li Huan
	<i>Li Huan</i>



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A.1 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.652	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.647	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.657	0.5	Pass



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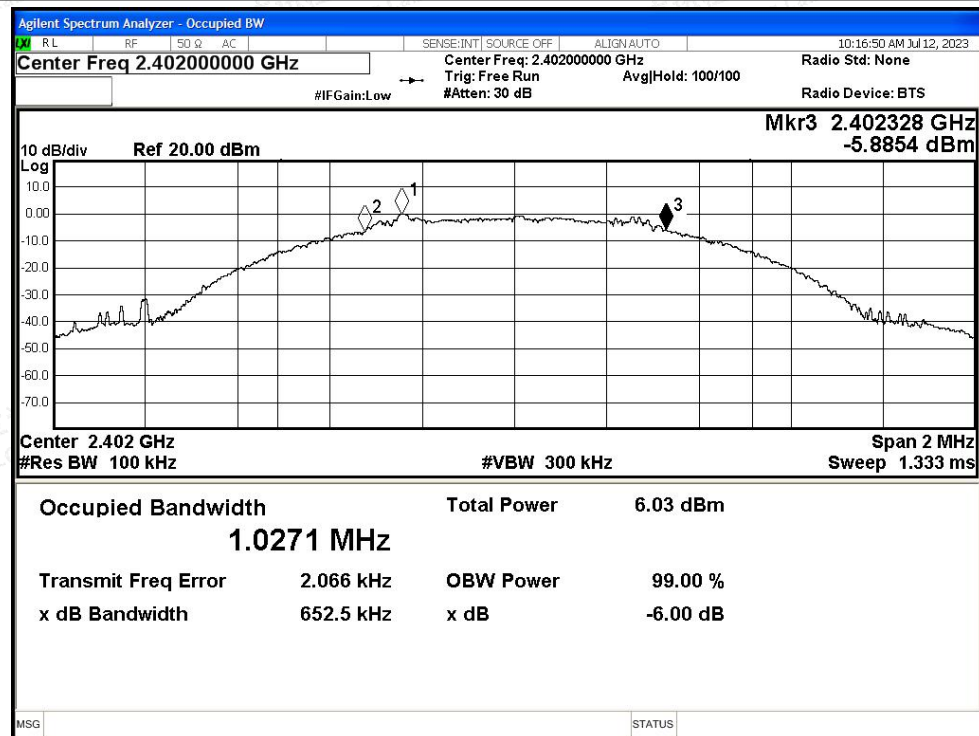
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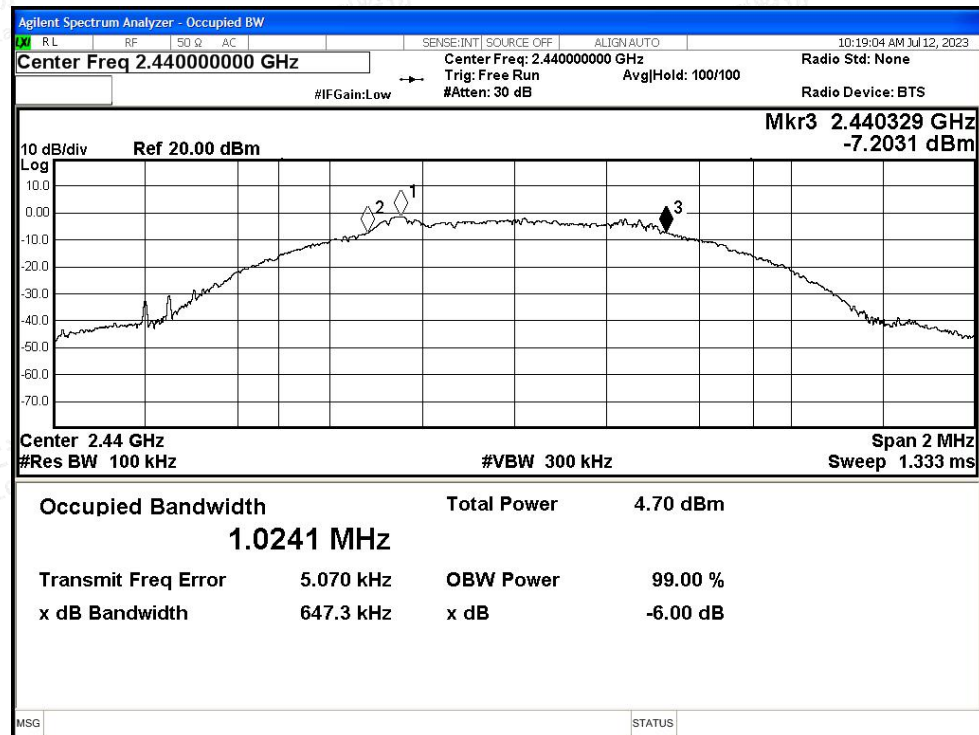


Test Graphs

-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



-6dB Bandwidth NVNT BLE 1M 2440MHz Ant1

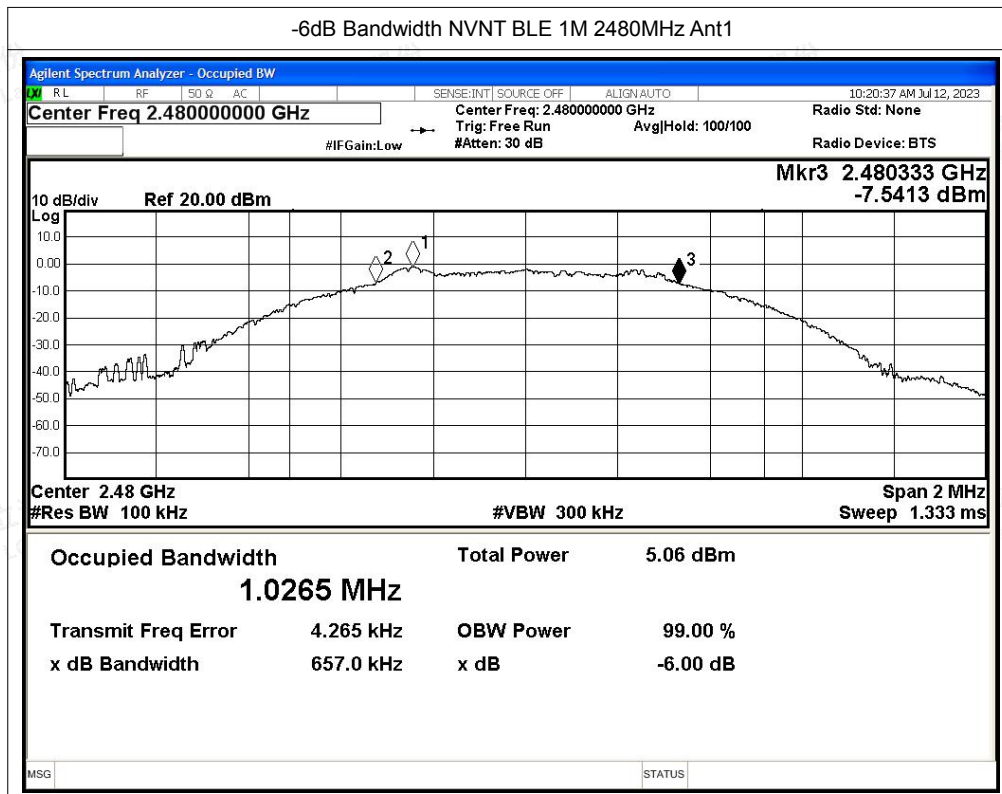


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A.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	0.37	30	Pass
NVNT	BLE 1M	2440	Ant1	-0.9	30	Pass
NVNT	BLE 1M	2480	Ant1	-0.74	30	Pass



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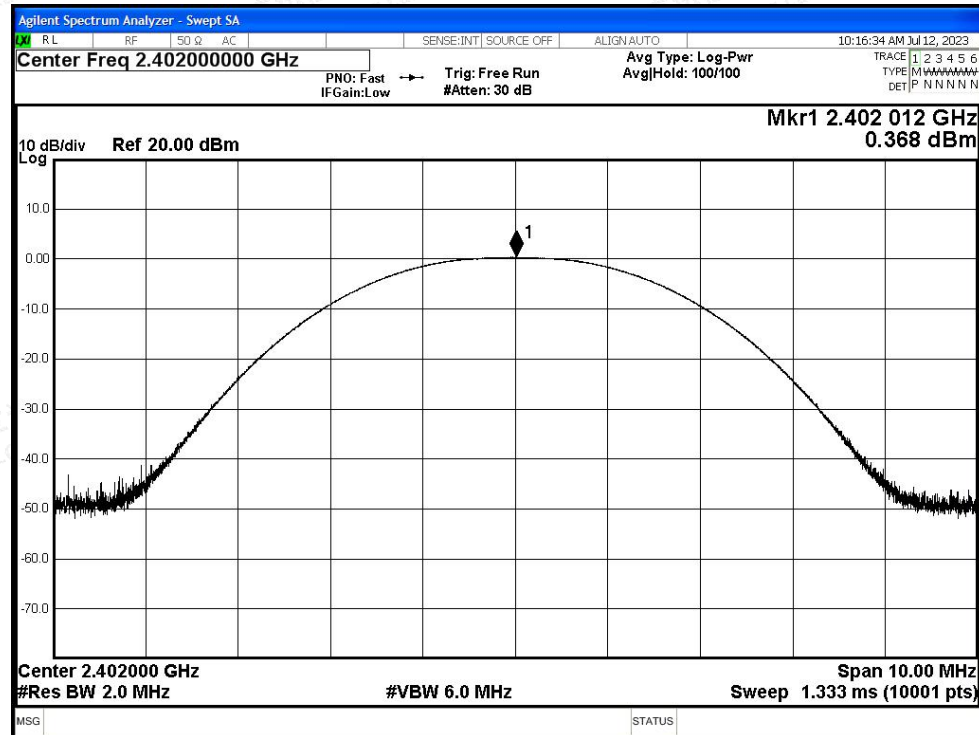
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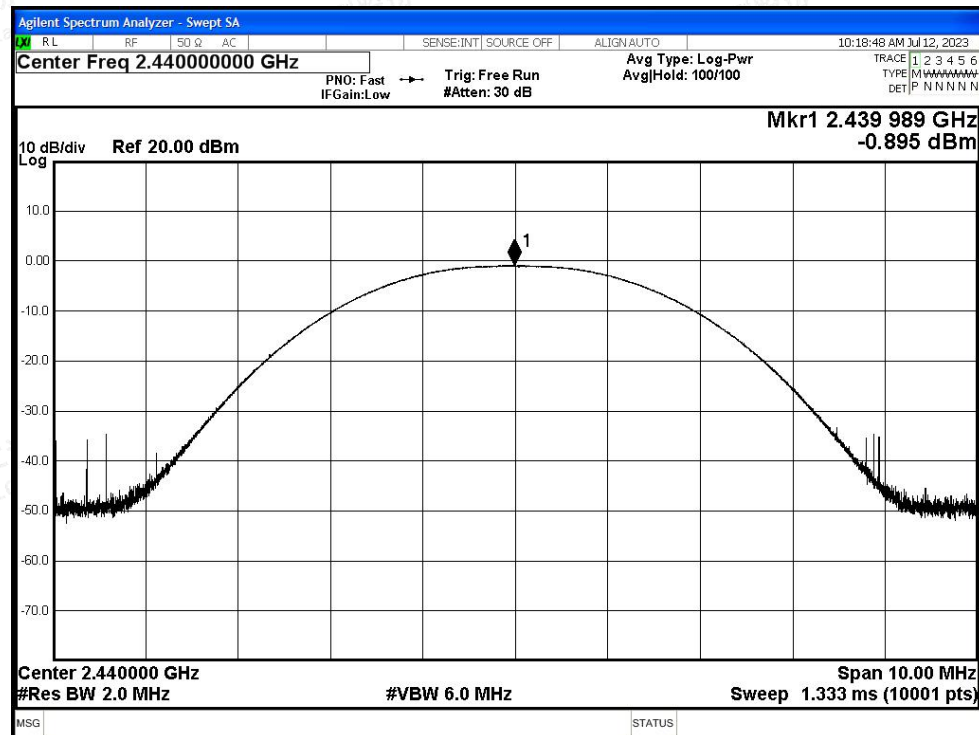


Test Graphs

Power NVNT BLE 1M 2402MHz Ant1



Power NVNT BLE 1M 2440MHz Ant1

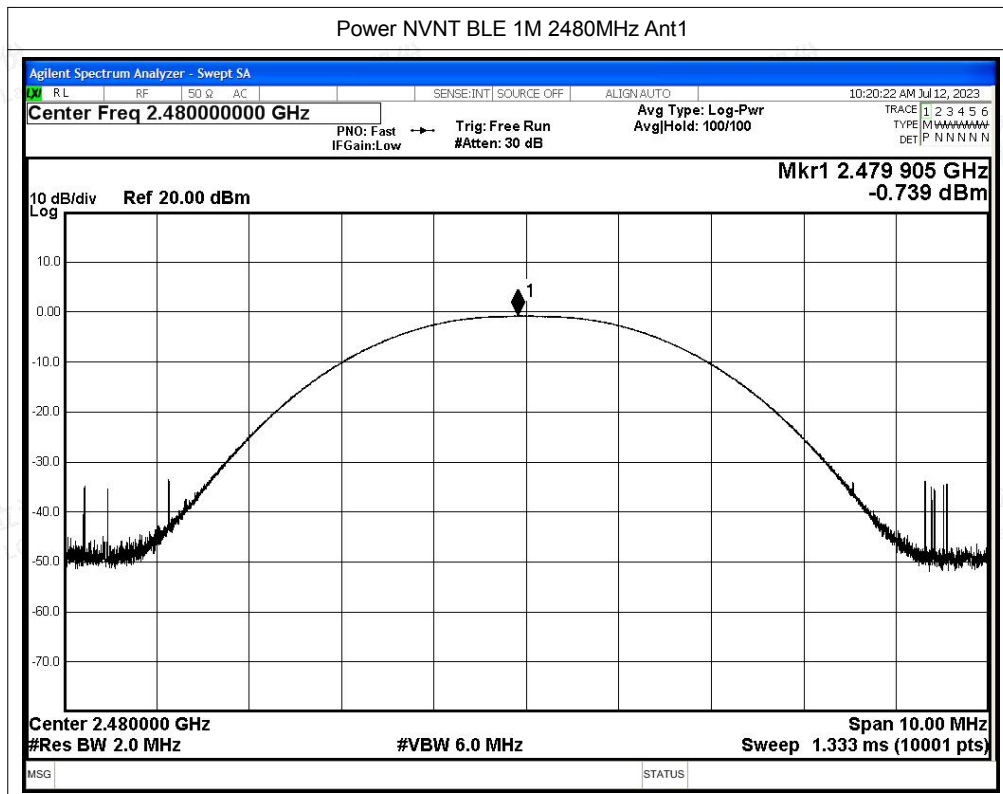


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A.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-16.27	8	Pass
NVNT	BLE 1M	2440	Ant1	-17.56	8	Pass
NVNT	BLE 1M	2480	Ant1	-17.98	8	Pass



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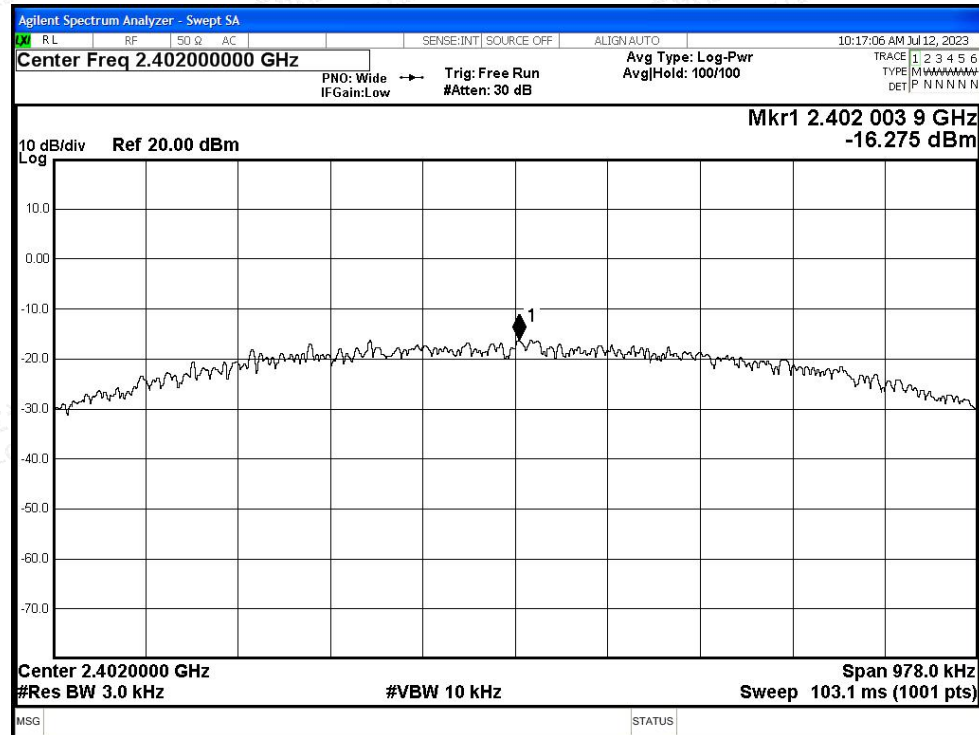
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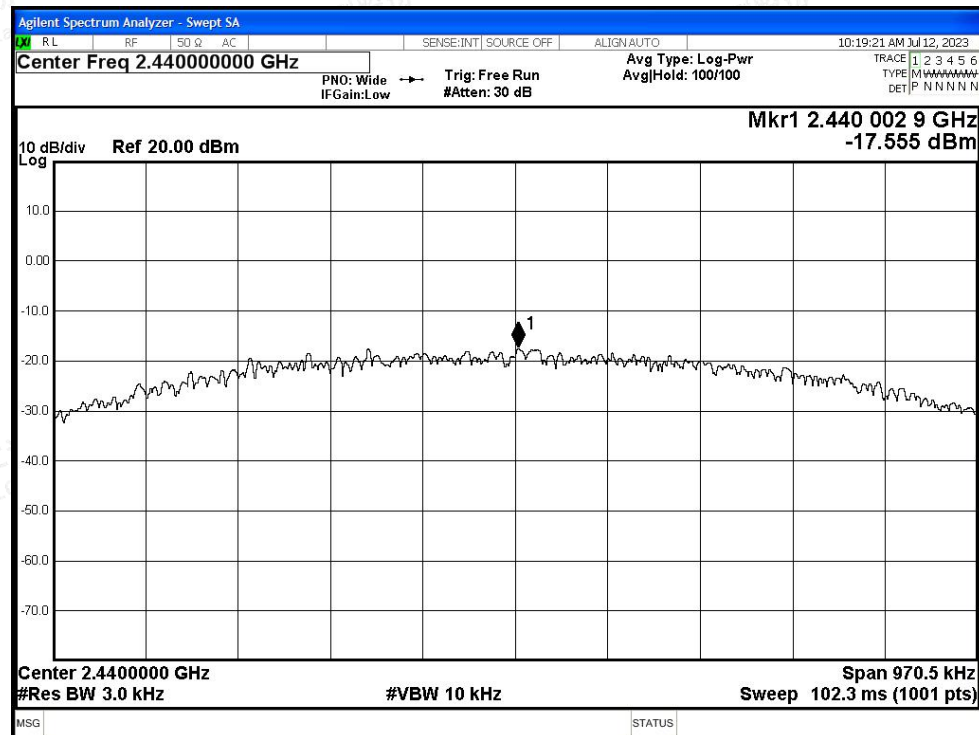


Test Graphs

PSD NVNT BLE 1M 2402MHz Ant1



PSD NVNT BLE 1M 2440MHz Ant1

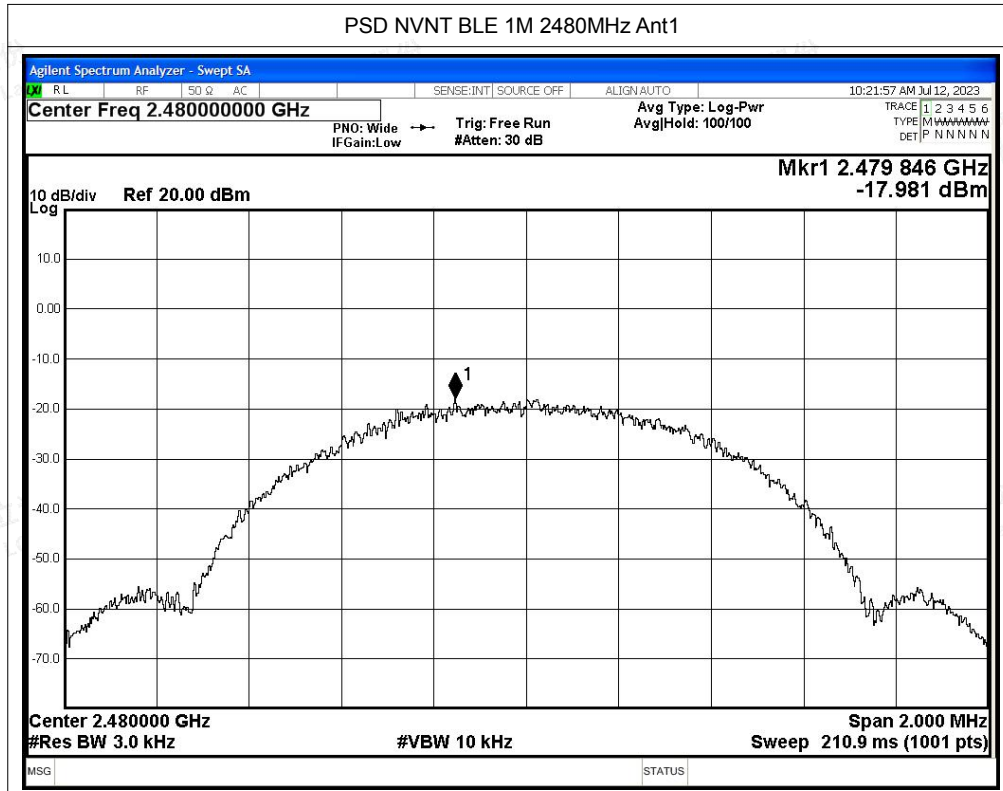


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A.4 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-57.85	-20	Pass
NVNT	BLE 1M	2480	Ant1	-56.28	-20	Pass



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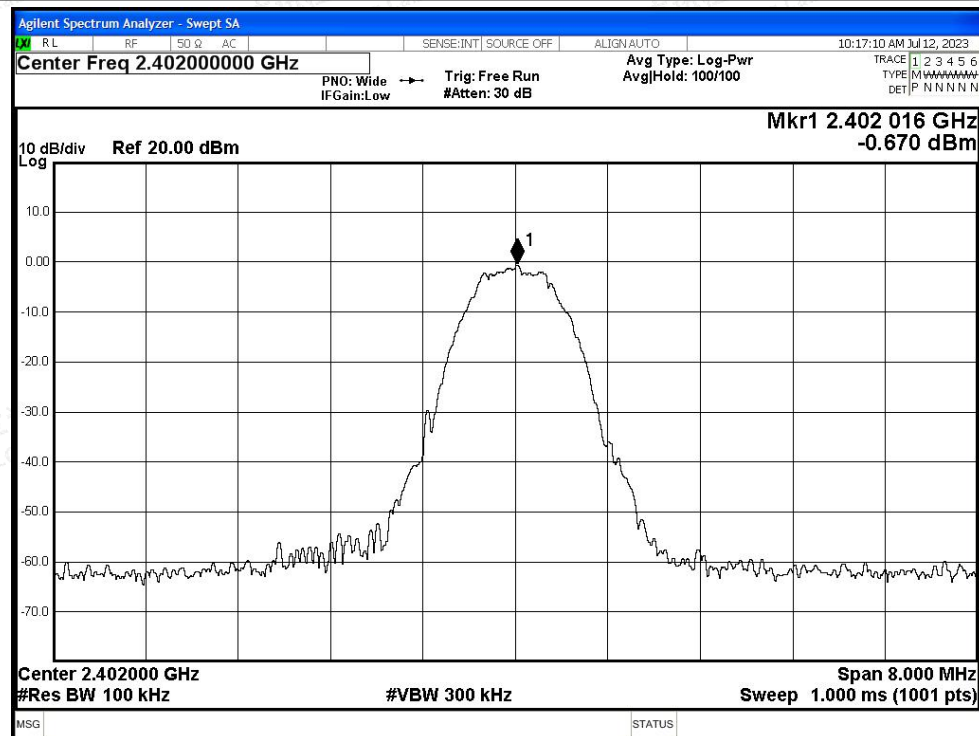
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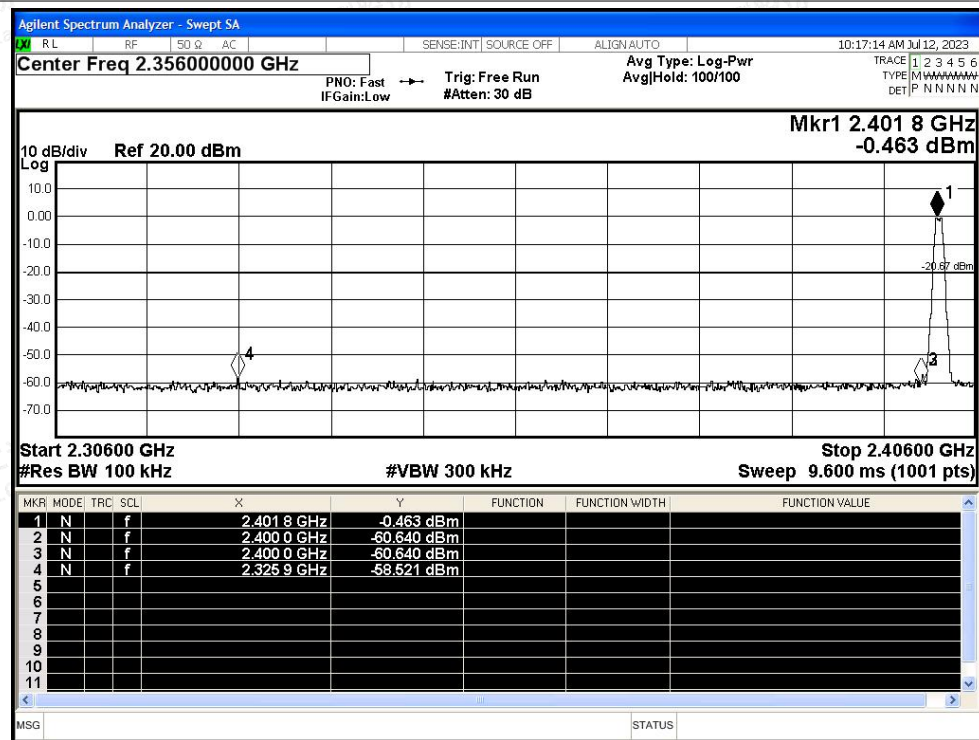


Test Graphs

Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



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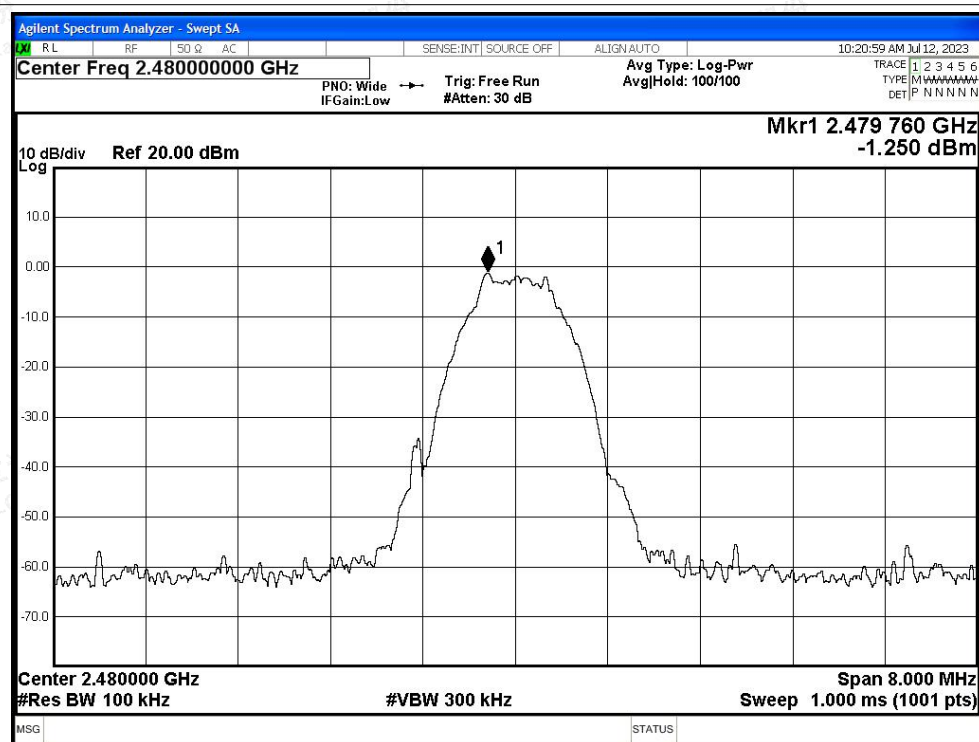
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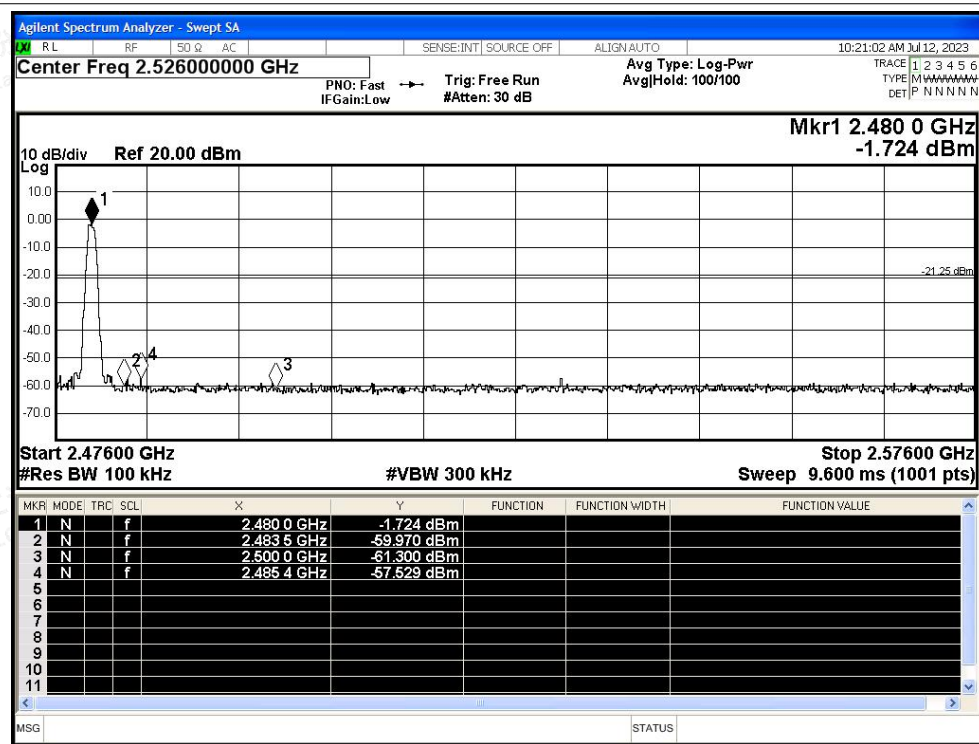
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Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



Band Edge NVNT BLE 1M 2480MHz Ant1 Emission



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A.5 Conducted RF Spurious Emission

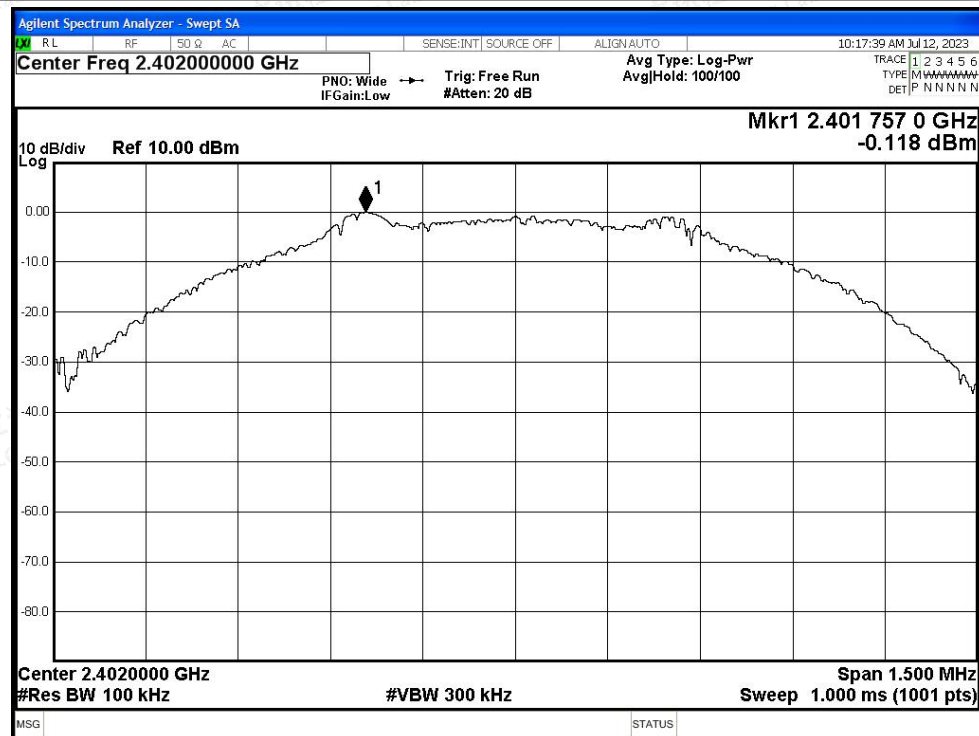
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-48.87	-20	Pass
NVNT	BLE 1M	2440	Ant1	-43.22	-20	Pass
NVNT	BLE 1M	2480	Ant1	-40.18	-20	Pass



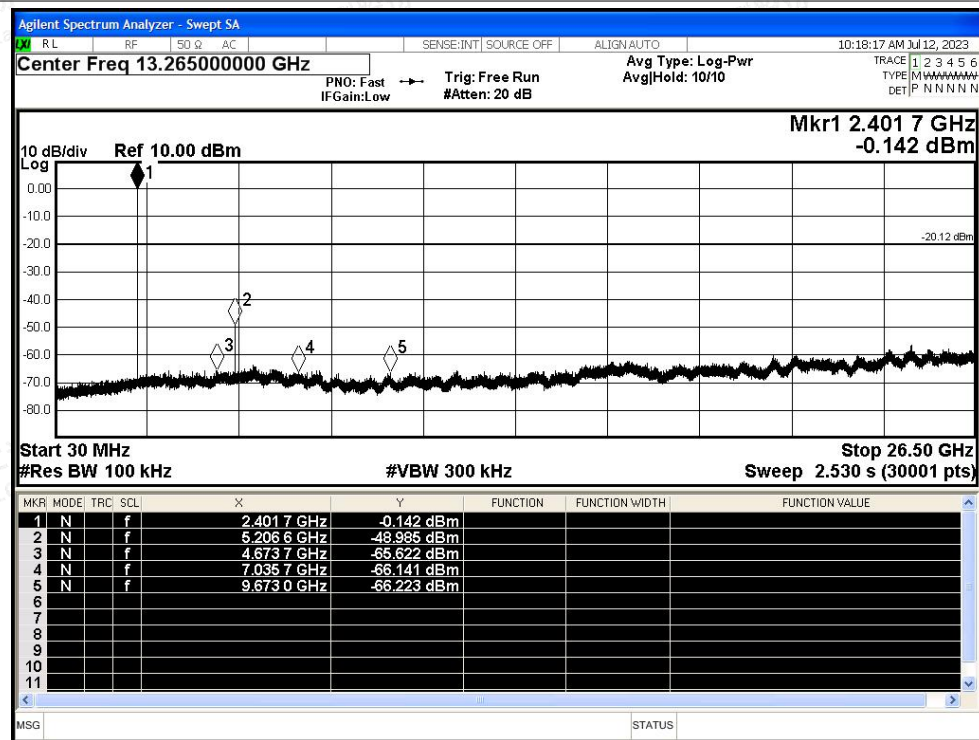


Test Graphs

Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



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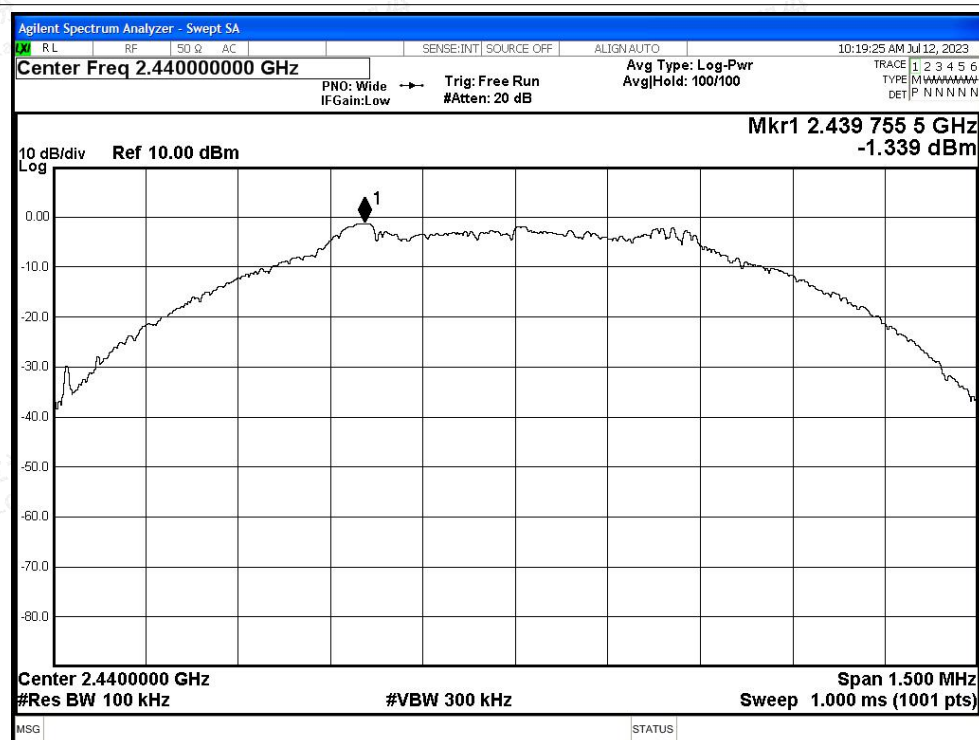
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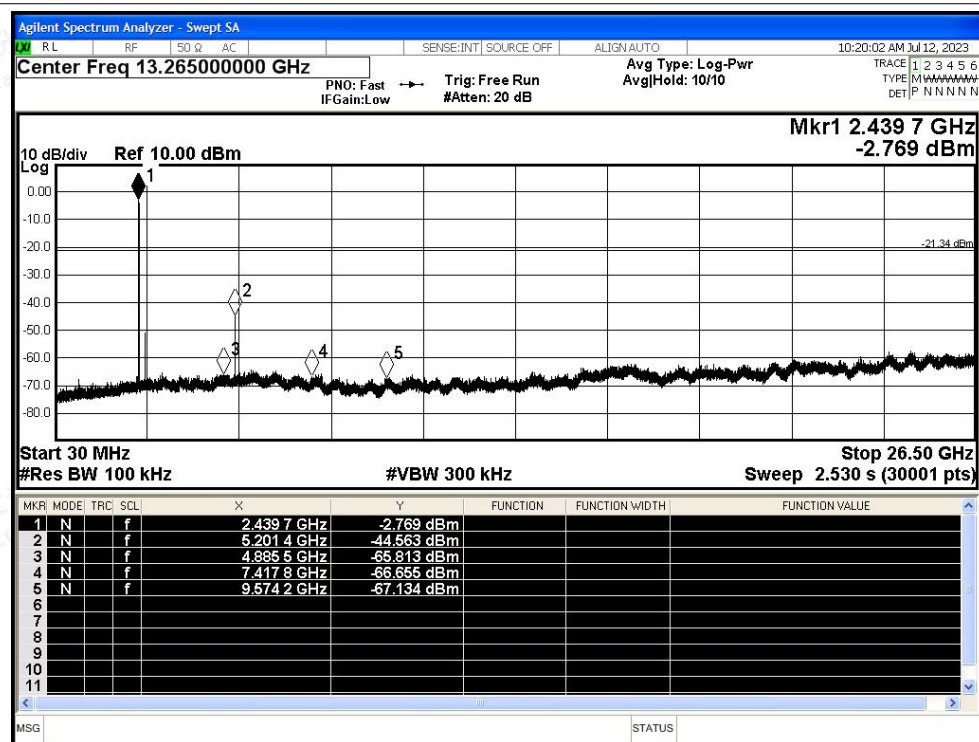
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Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission



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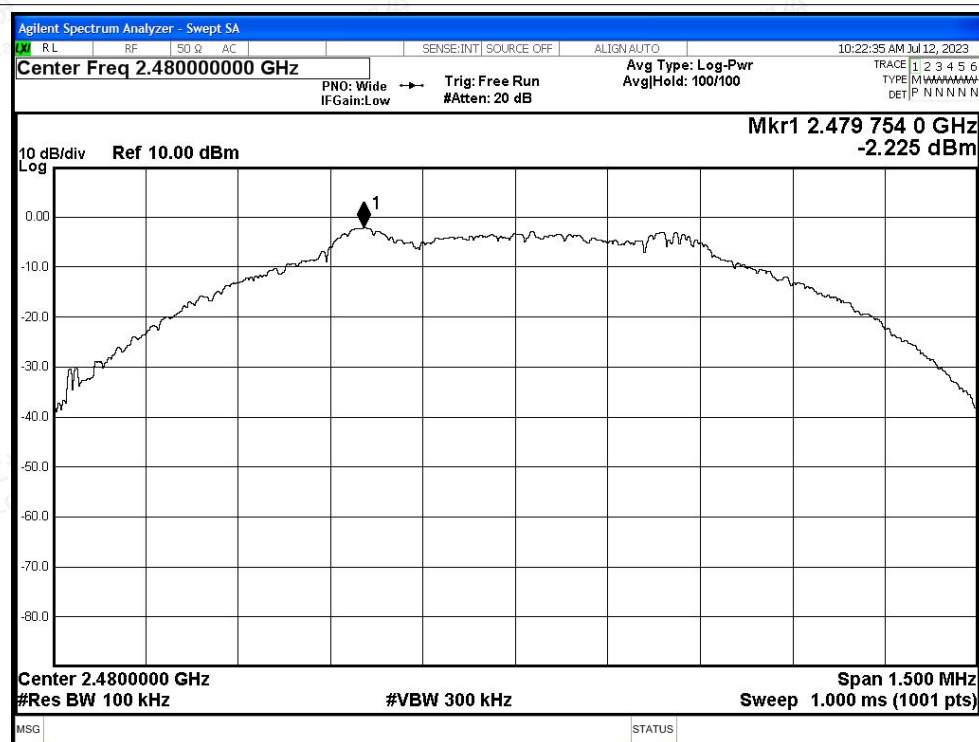
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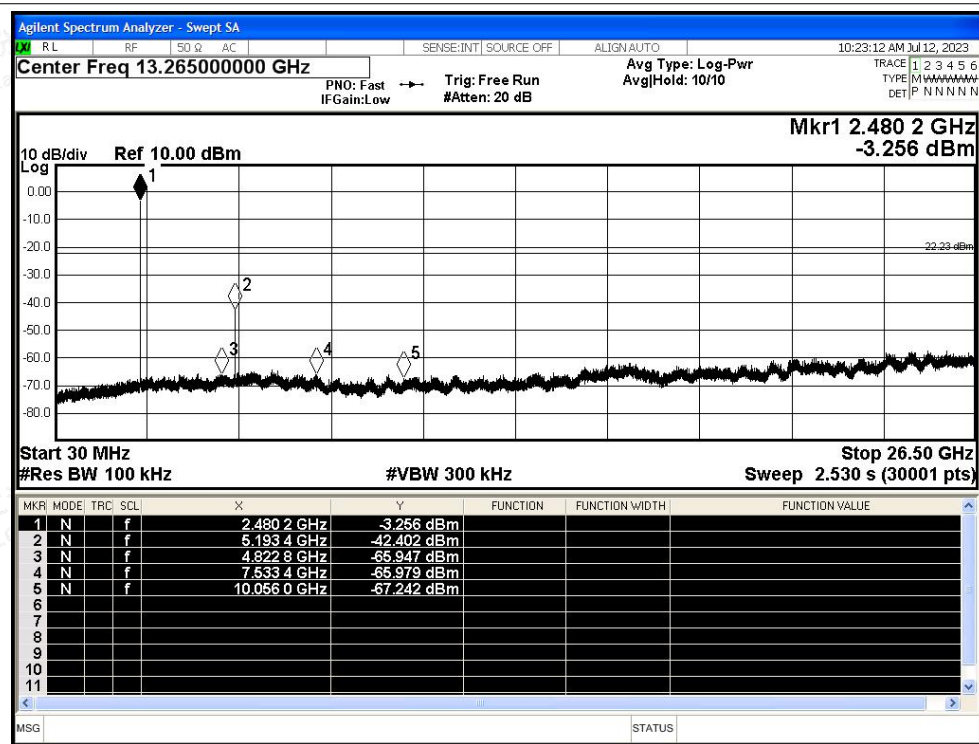
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Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission



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A.6 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	87.39	0.59	0.61
NVNT	BLE 1M	2440	Ant1	87.39	0.59	0.61
NVNT	BLE 1M	2480	Ant1	99.51	0	0.61



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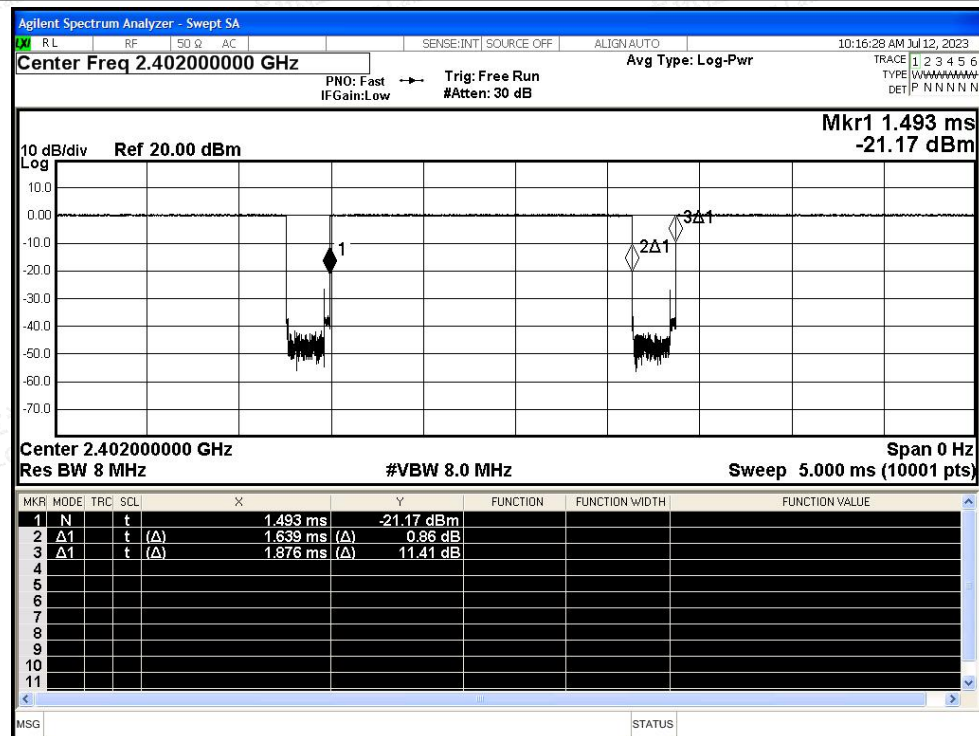
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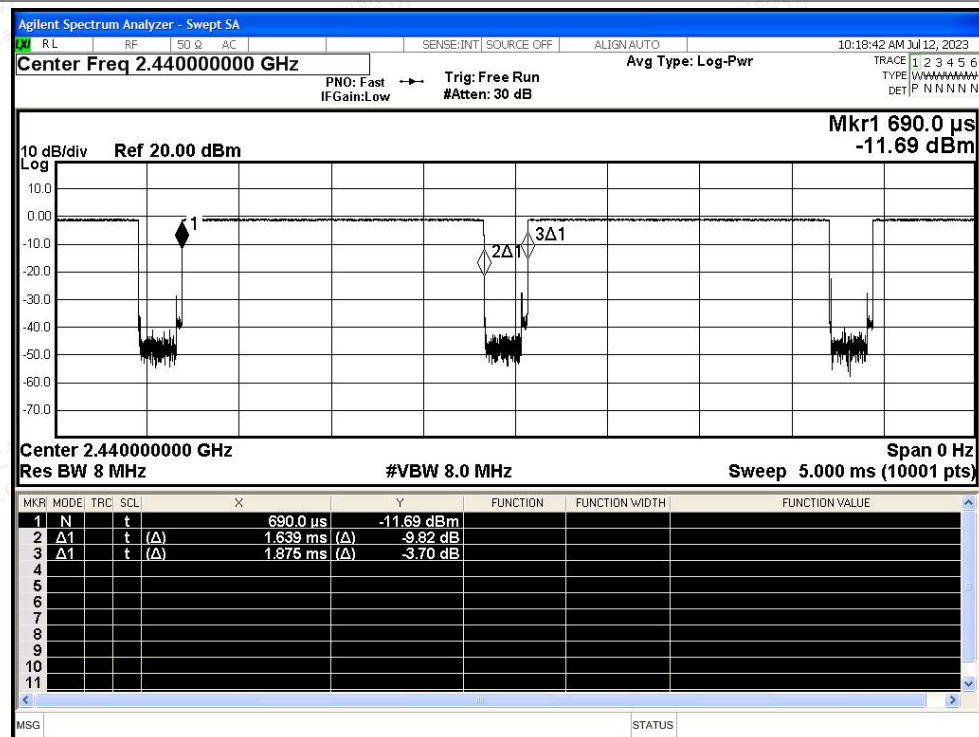


Test Graphs

Duty Cycle NVNT BLE 1M 2402MHz Ant1



Duty Cycle NVNT BLE 1M 2440MHz Ant1

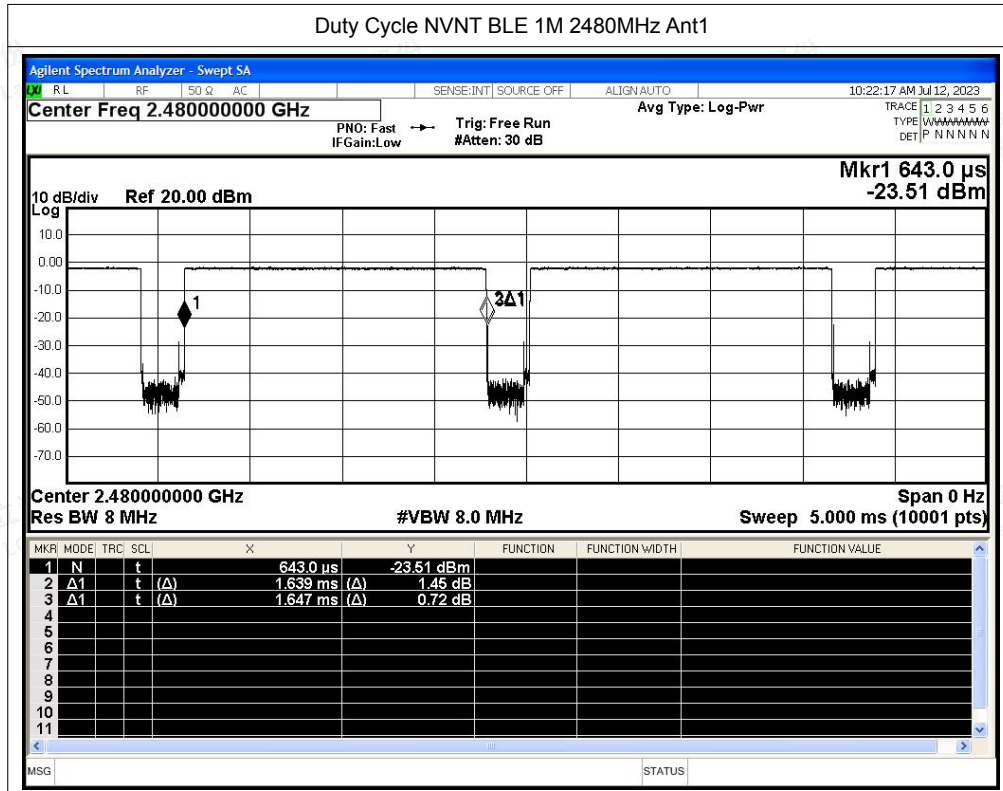


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A.7 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	BLE 1M	2402	Ant1	2310	-51.94	2	45.32	Peak	74	Pass
NVNT	BLE 1M	2402	Ant1	2310	-61.79	2	35.47	Average	54	Pass
NVNT	BLE 1M	2402	Ant1	2379.408	-48.46	2	48.8	Peak	74	Pass
NVNT	BLE 1M	2402	Ant1	2388.624	-61.22	2	36.04	Average	54	Pass
NVNT	BLE 1M	2402	Ant1	2390	-52.86	2	44.4	Peak	74	Pass
NVNT	BLE 1M	2402	Ant1	2390	-61.23	2	36.03	Average	54	Pass
NVNT	BLE 1M	2480	Ant1	2483.5	-51.38	2	45.88	Peak	74	Pass
NVNT	BLE 1M	2480	Ant1	2483.5	-61.24	2	36.02	Average	54	Pass
NVNT	BLE 1M	2480	Ant1	2484.448	-42.5	2	54.76	Peak	74	Pass
NVNT	BLE 1M	2480	Ant1	2483.56	-61.02	2	36.24	Average	54	Pass
NVNT	BLE 1M	2480	Ant1	2500	-52.47	2	44.79	Peak	74	Pass
NVNT	BLE 1M	2480	Ant1	2500	-61.45	2	35.81	Average	54	Pass



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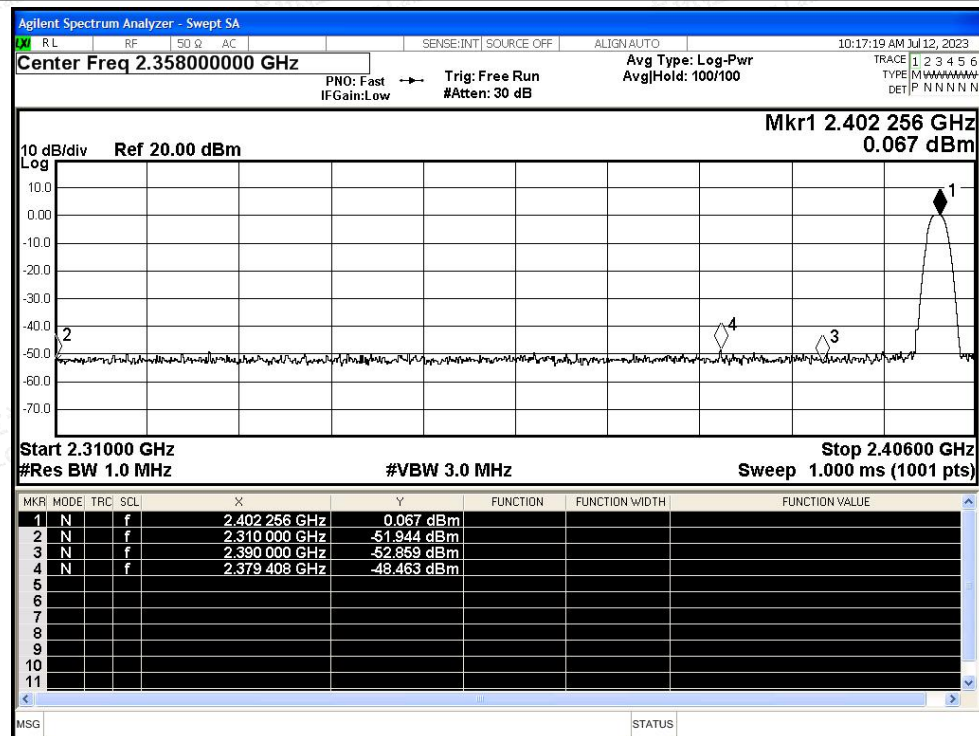
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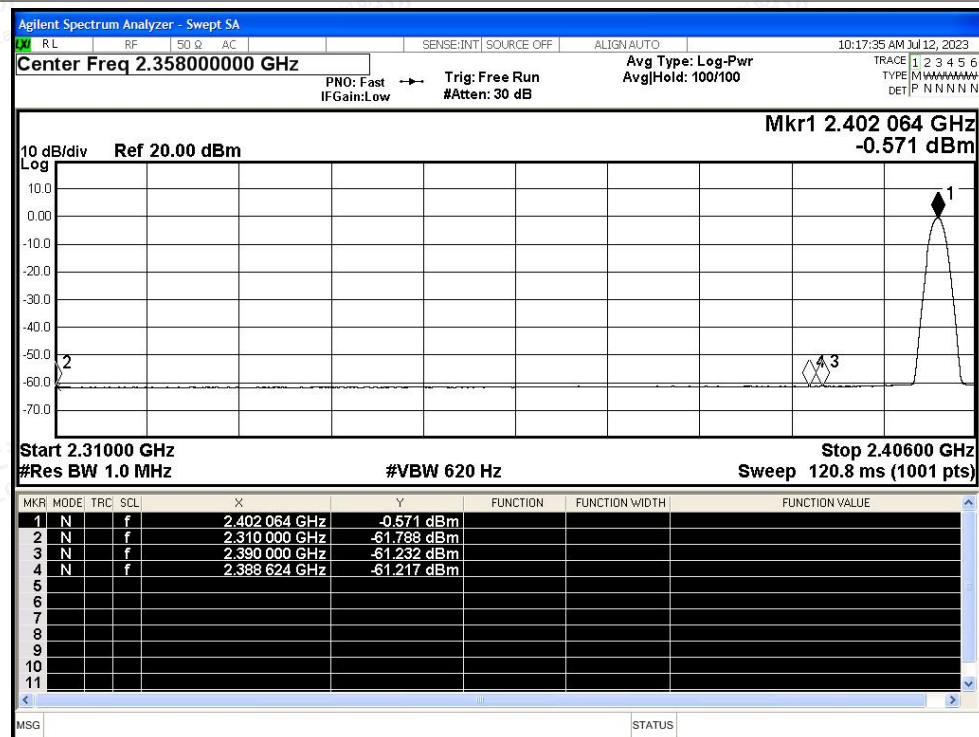


Test Graphs

Restrict Band NVNT BLE 1M 2402MHz Ant1 Peak



Restrict Band NVNT BLE 1M 2402MHz Ant1 Average



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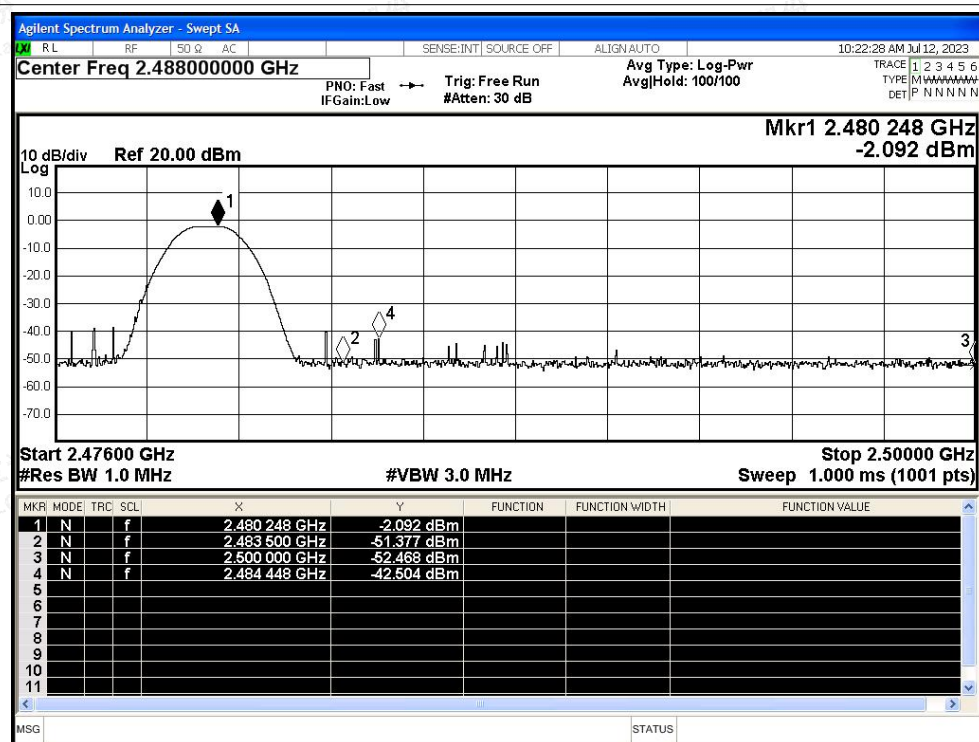
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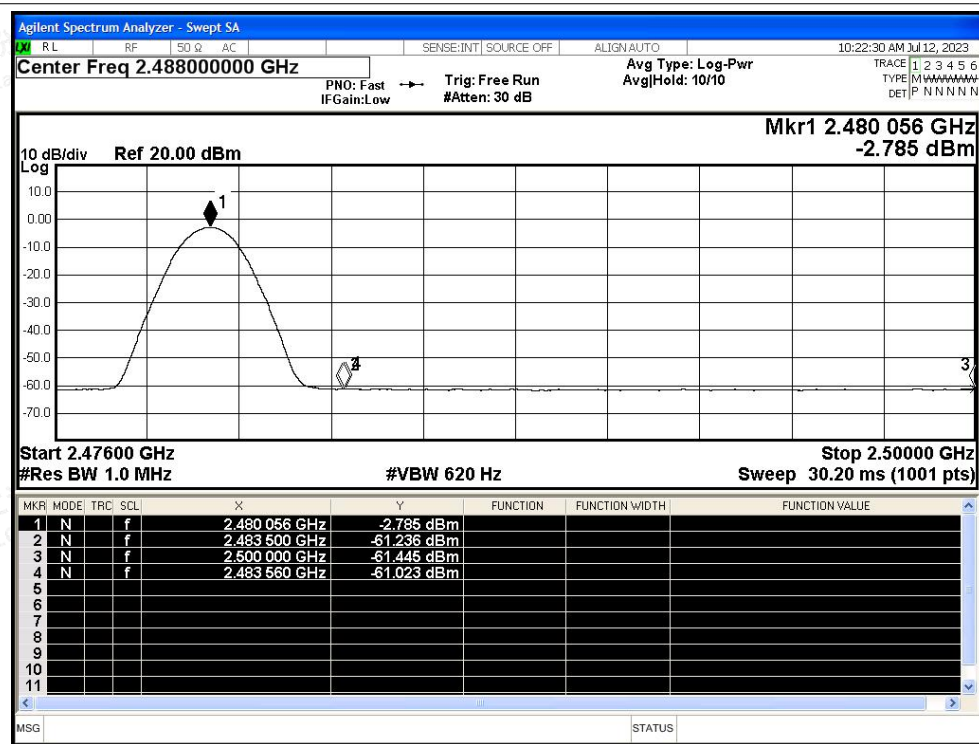
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Restrict Band NVNT BLE 1M 2480MHz Ant1 Peak



Restrict Band NVNT BLE 1M 2480MHz Ant1 Average



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