



Appendix A

RF Test Data for 2.4G (Conducted Measurement)

Product Name: Electric Adjustable Ceiling TV Mount

Test Model: SCC-01-48D

Environmental Conditions

Temperature:	23.5°C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Andre Tan
Supervised by:	Paddi Chen





A.1 -6dB Bandwidth

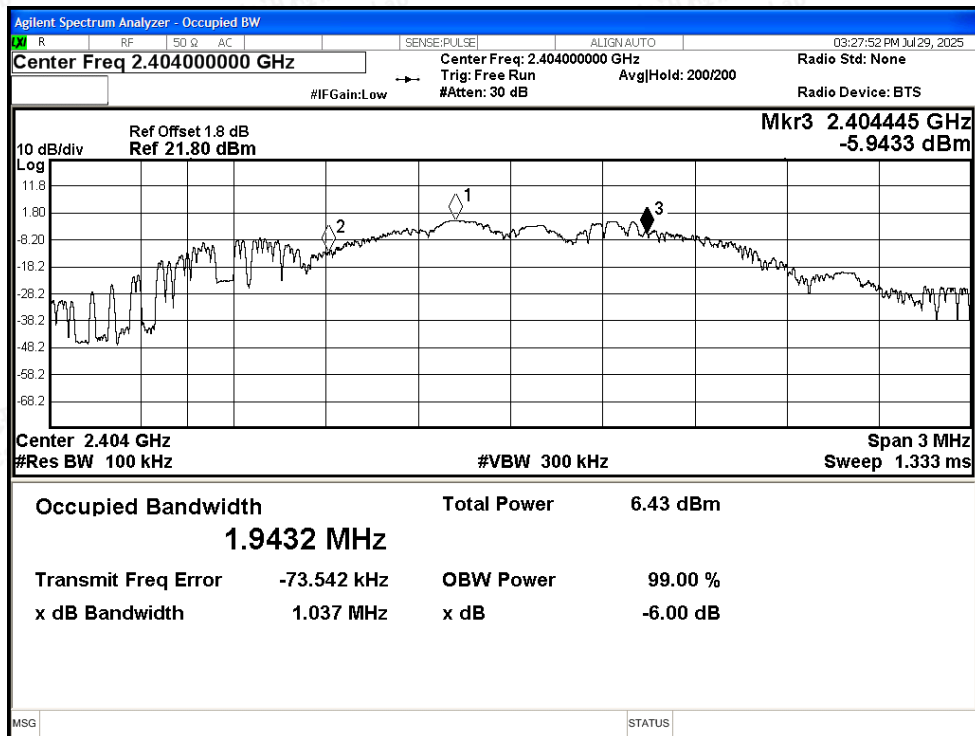
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	2.4G	2404	Ant1	1.037	>=0.5	Pass
NVNT	2.4G	2439	Ant1	1.47	>=0.5	Pass
NVNT	2.4G	2455	Ant1	1.286	>=0.5	Pass



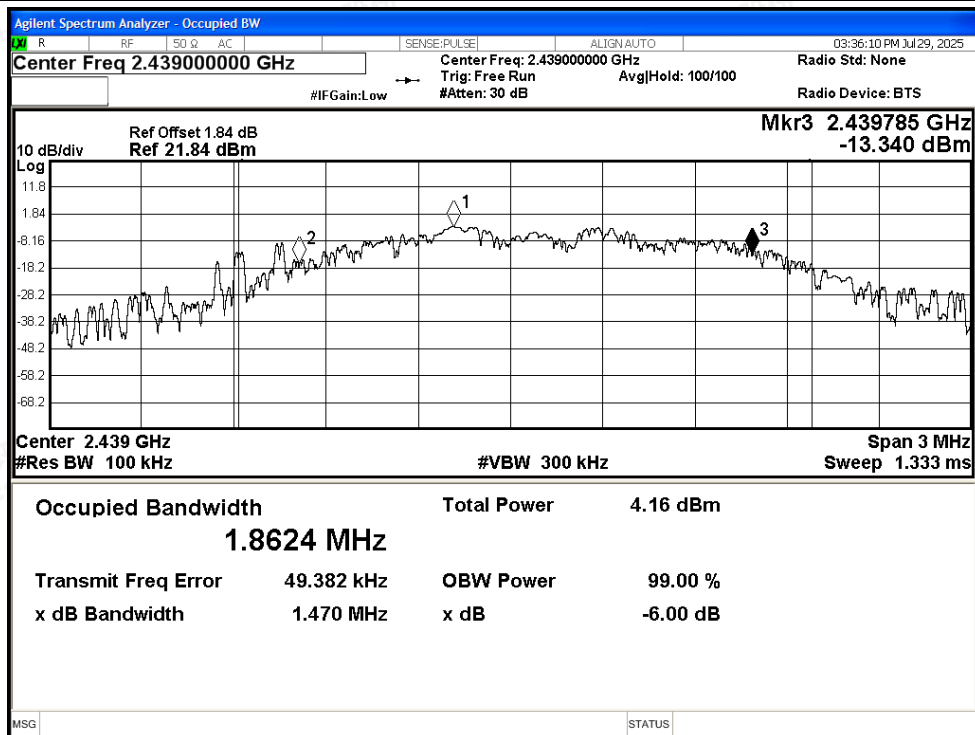


Test Graphs

-6dB Bandwidth NVNT 2.4G 2404MHz Ant1



-6dB Bandwidth NVNT 2.4G 2439MHz Ant1

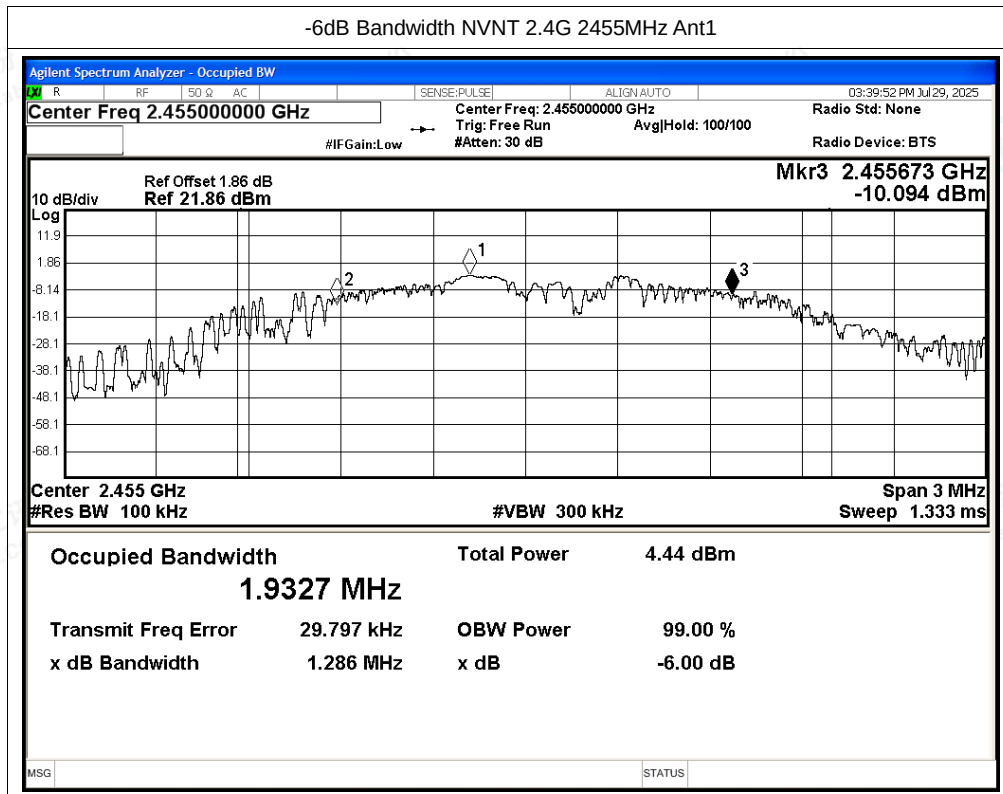


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A.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	2.4G	2404	Ant1	-0.94	30	Pass
NVNT	2.4G	2439	Ant1	-2.87	30	Pass
NVNT	2.4G	2455	Ant1	-2.67	30	Pass



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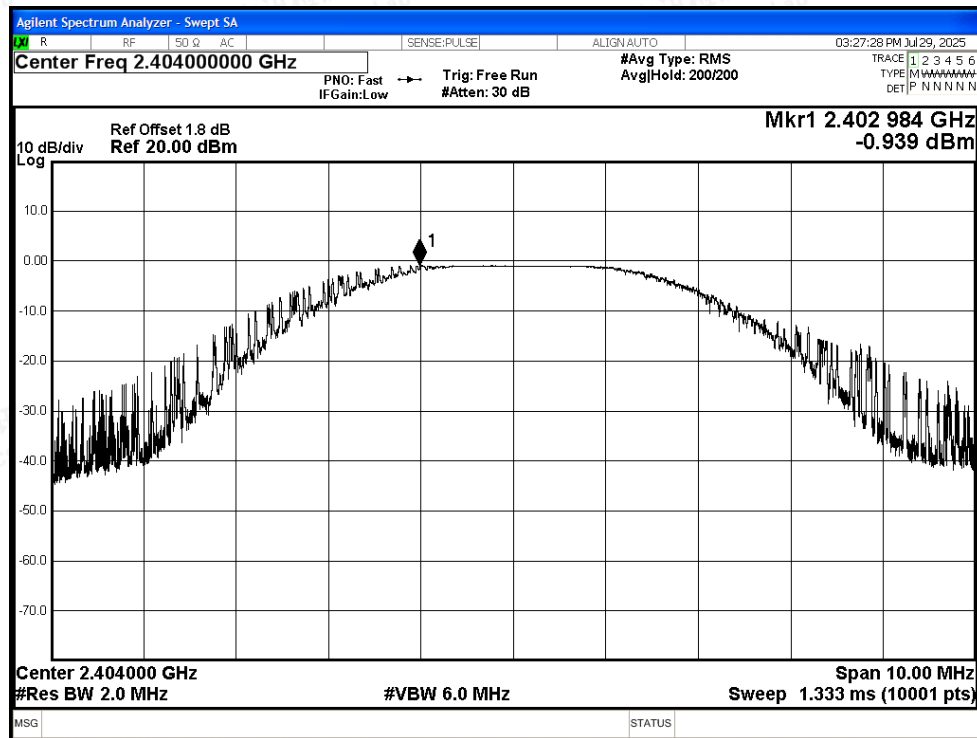
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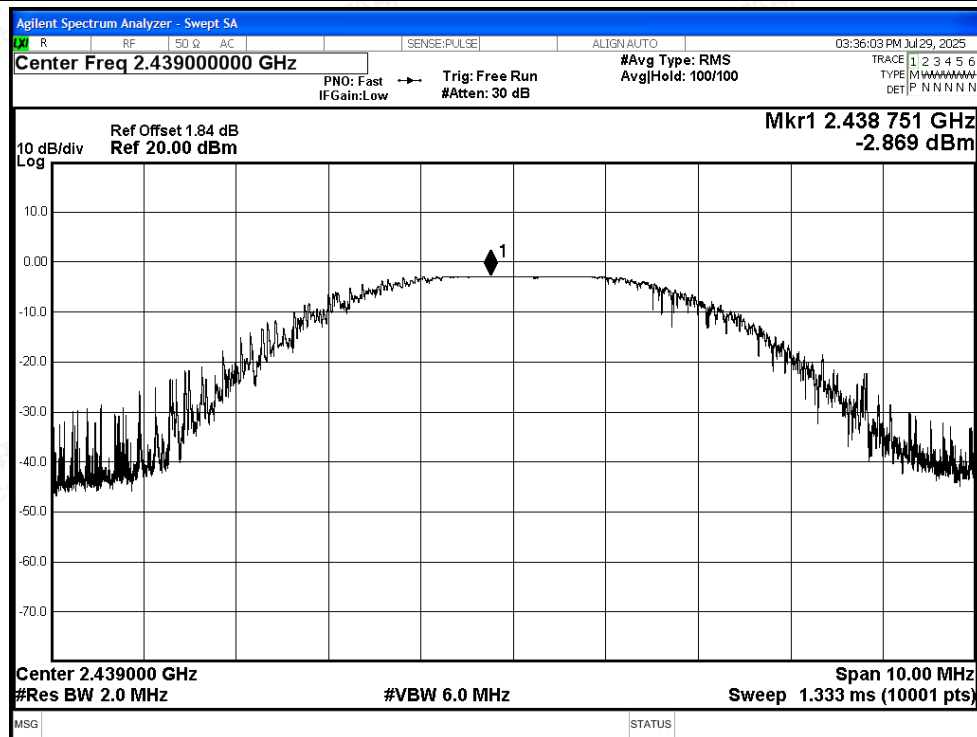


Test Graphs

Power NVNT 2.4G 2404MHz Ant1



Power NVNT 2.4G 2439MHz Ant1

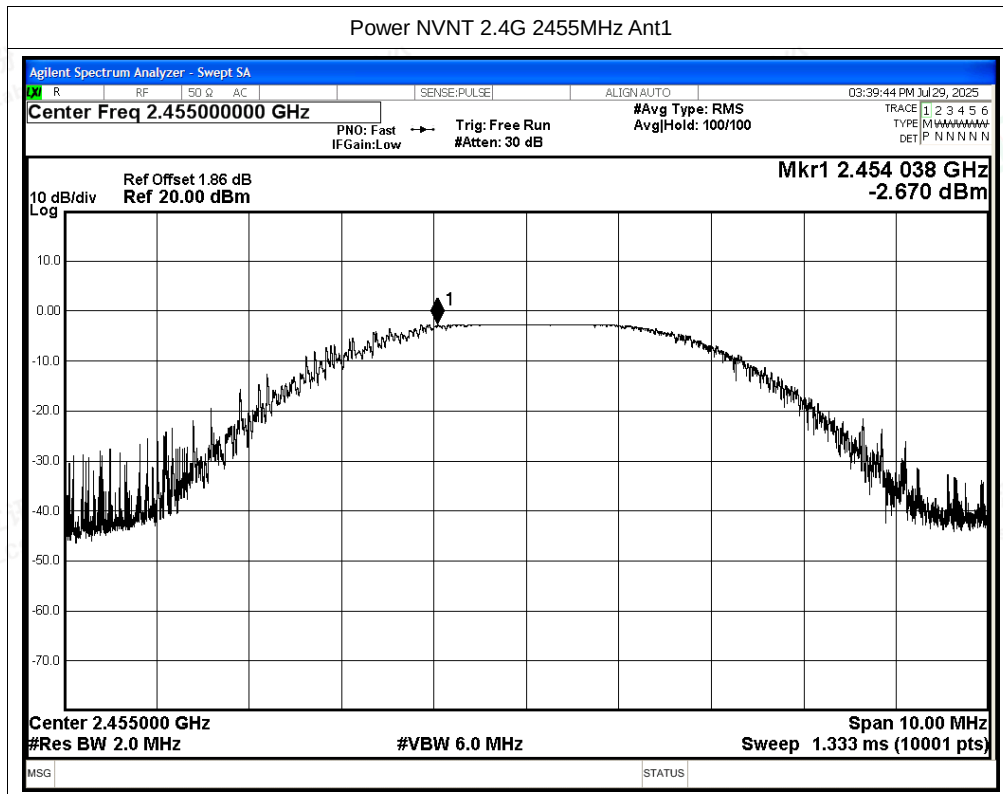


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A.3 Maximum Power Spectral Density Level

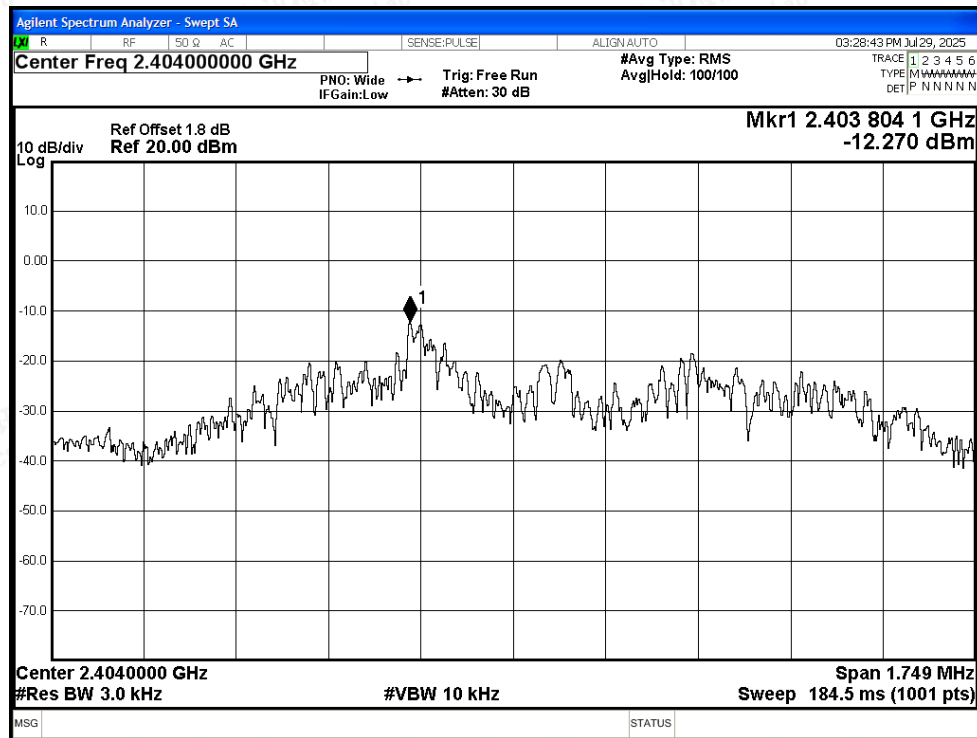
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	2.4G	2404	Ant1	-12.27	8	Pass
NVNT	2.4G	2439	Ant1	-14.6	8	Pass
NVNT	2.4G	2455	Ant1	-14.7	8	Pass



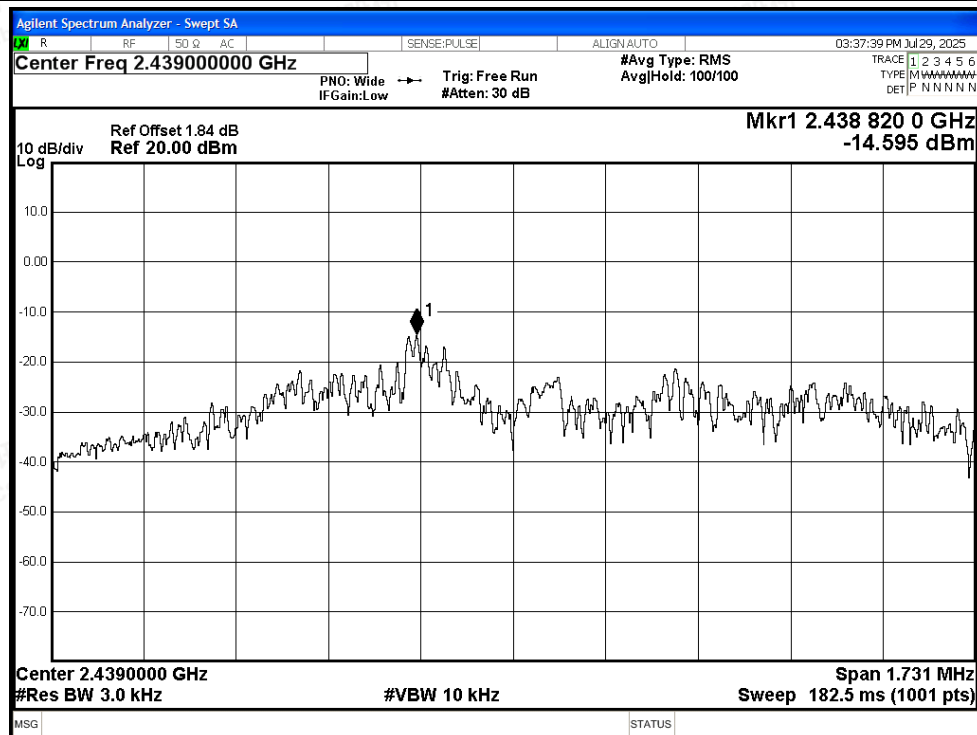


Test Graphs

PSD NVNT 2.4G 2404MHz Ant1



PSD NVNT 2.4G 2439MHz Ant1

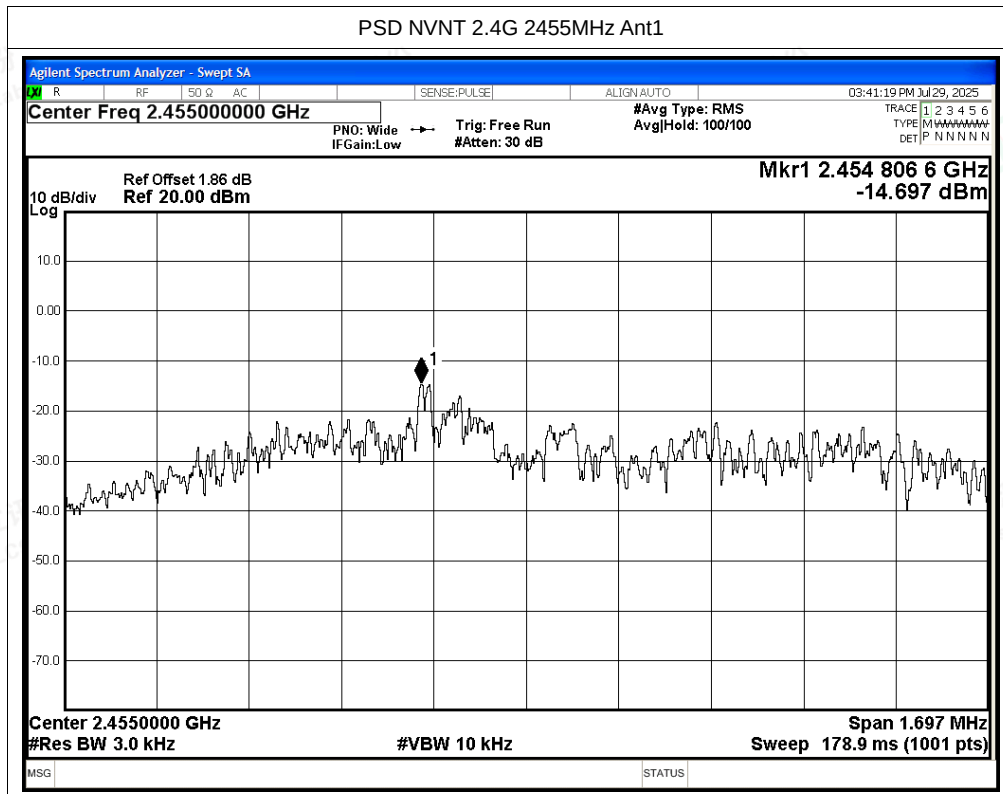


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A.4 Band Edge

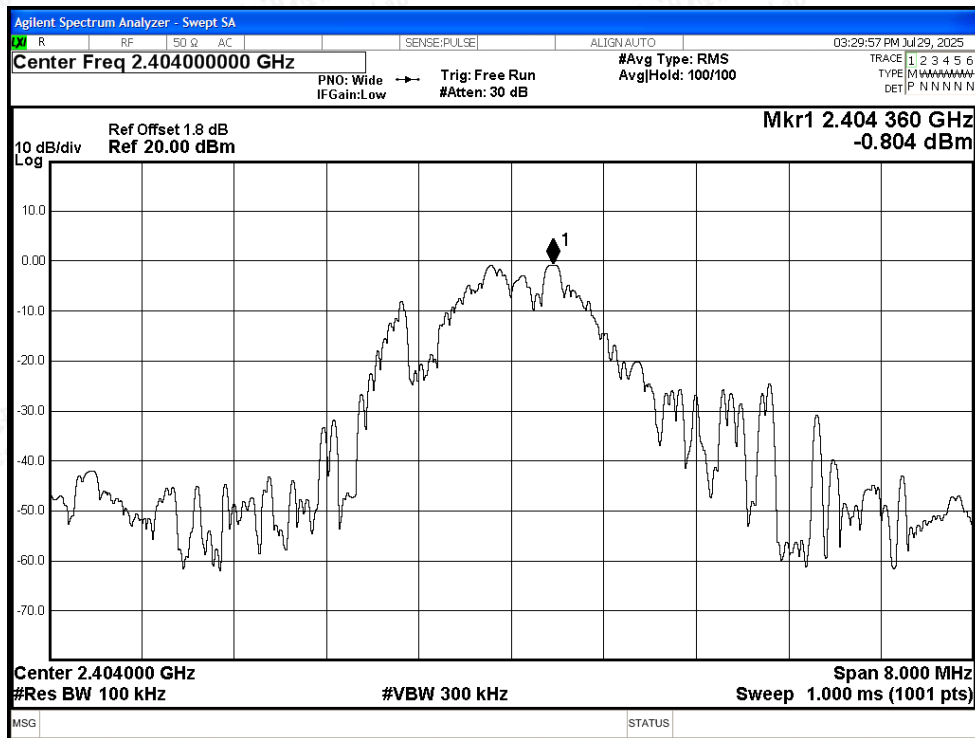
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4G	2404	Ant1	-44.77	-20	Pass
NVNT	2.4G	2455	Ant1	-53.62	-20	Pass



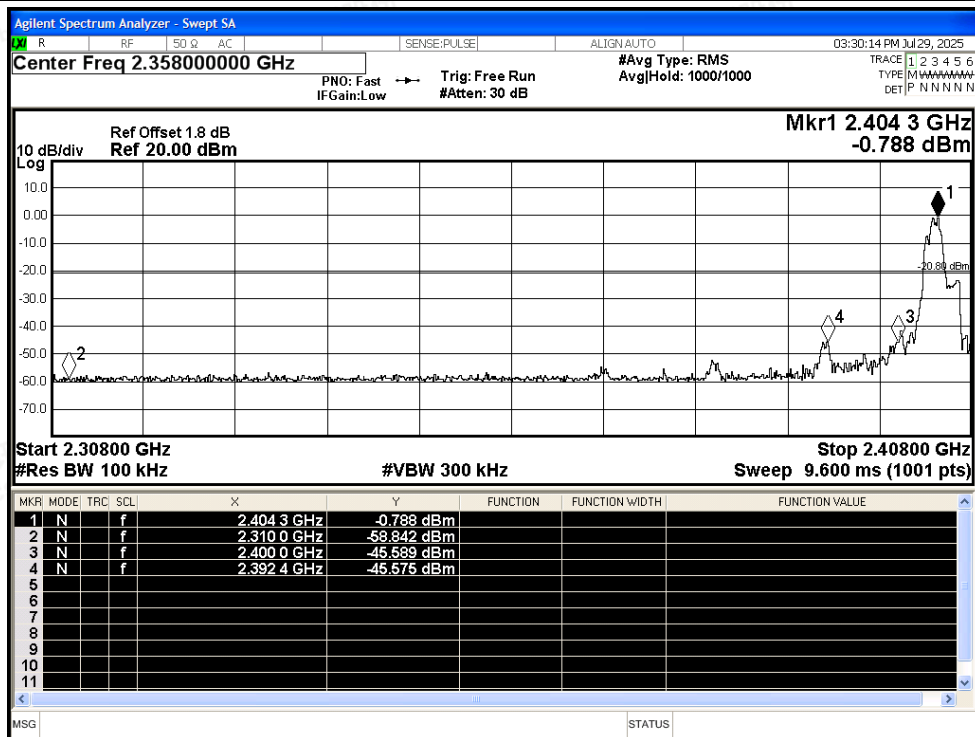


Test Graphs

Band Edge NVNT 2.4G 2404MHz Ant1 Ref



Band Edge NVNT 2.4G 2404MHz Ant1 Emission



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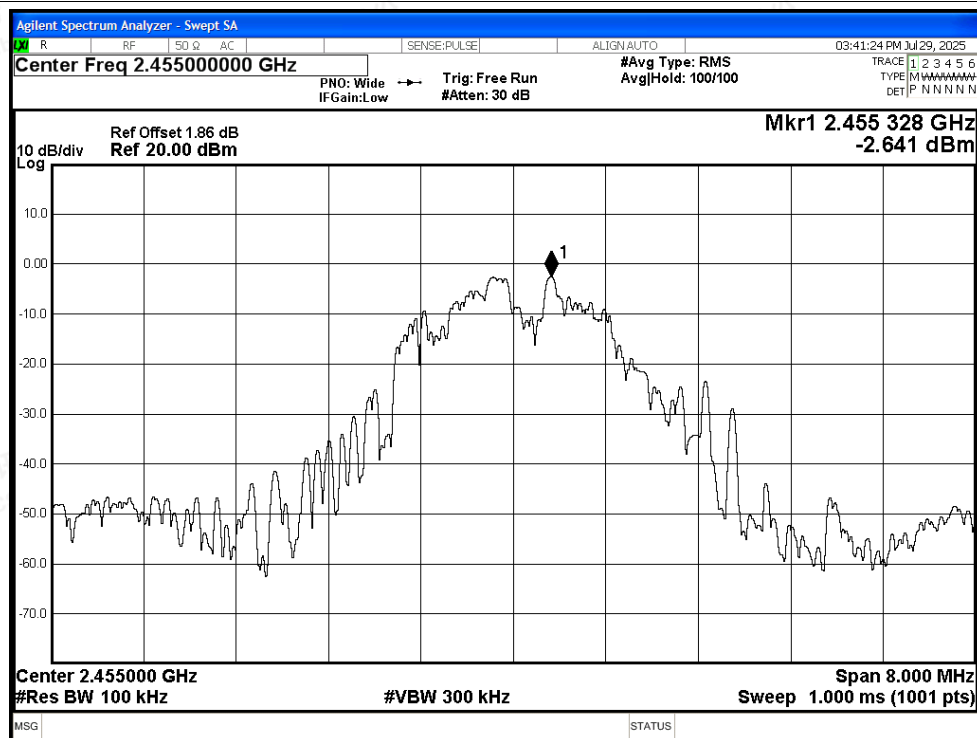
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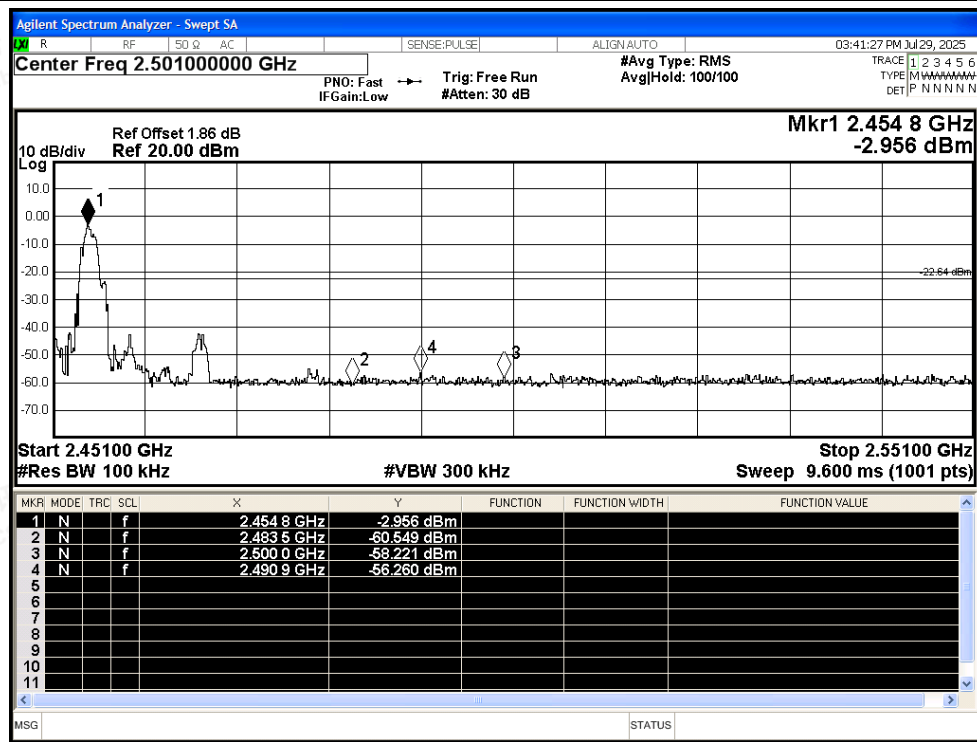
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Band Edge NVNT 2.4G 2455MHz Ant1 Ref



Band Edge NVNT 2.4G 2455MHz Ant1 Emission



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A.5 Conducted RF Spurious Emission

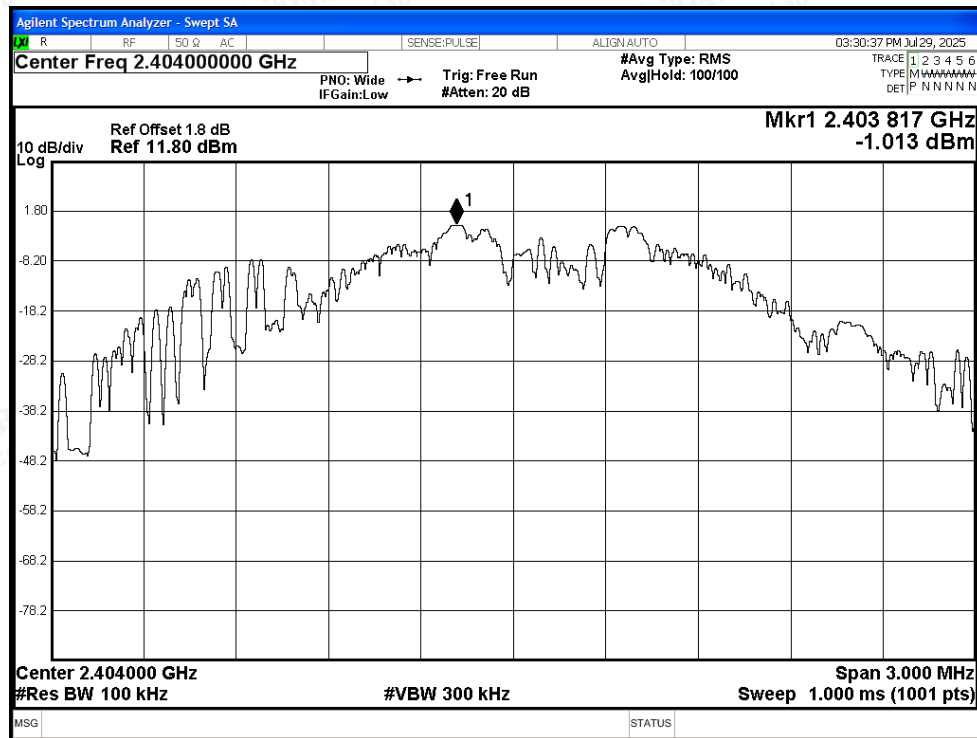
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4G	2404	Ant1	-40.07	-20	Pass
NVNT	2.4G	2439	Ant1	-46.32	-20	Pass
NVNT	2.4G	2455	Ant1	-37.57	-20	Pass



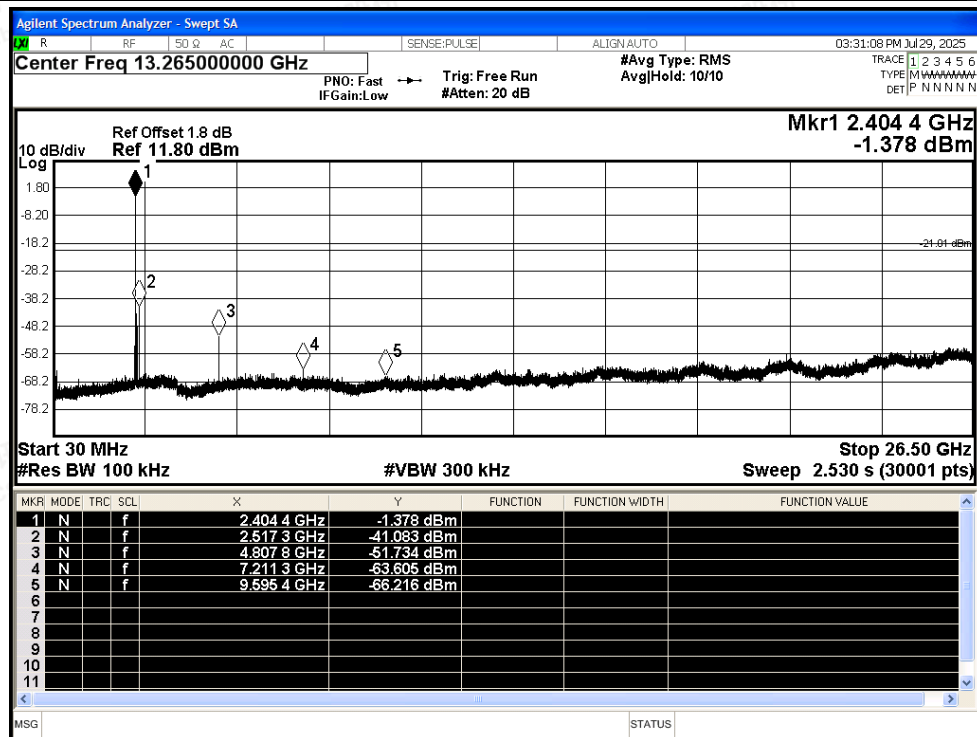


Test Graphs

Tx. Spurious NVNT 2.4G 2404MHz Ant1 Ref



Tx. Spurious NVNT 2.4G 2404MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

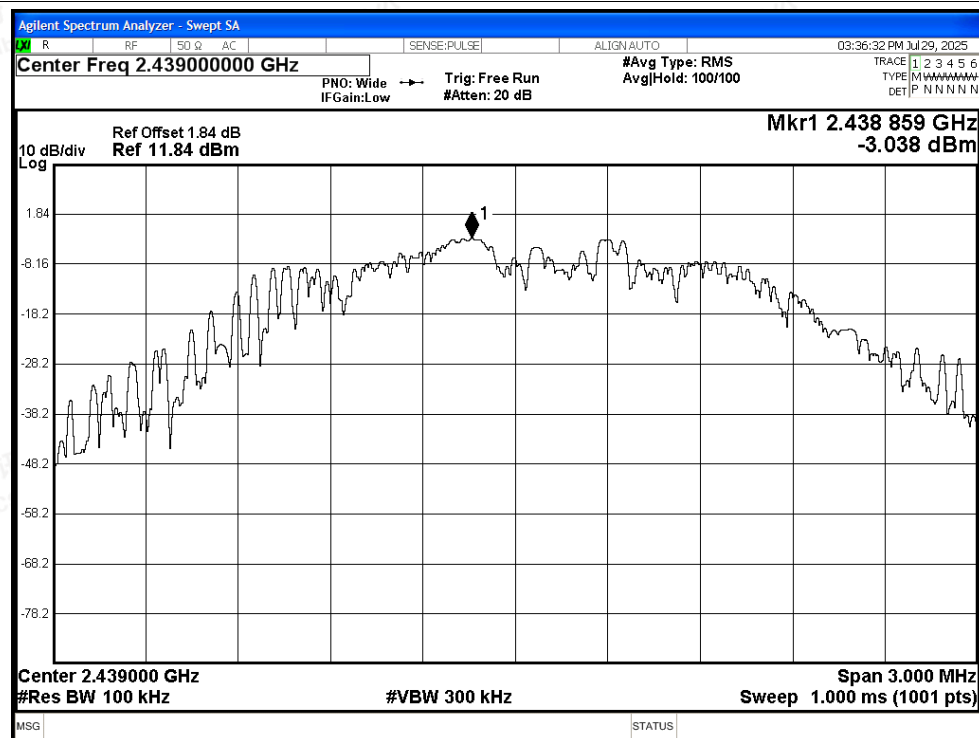
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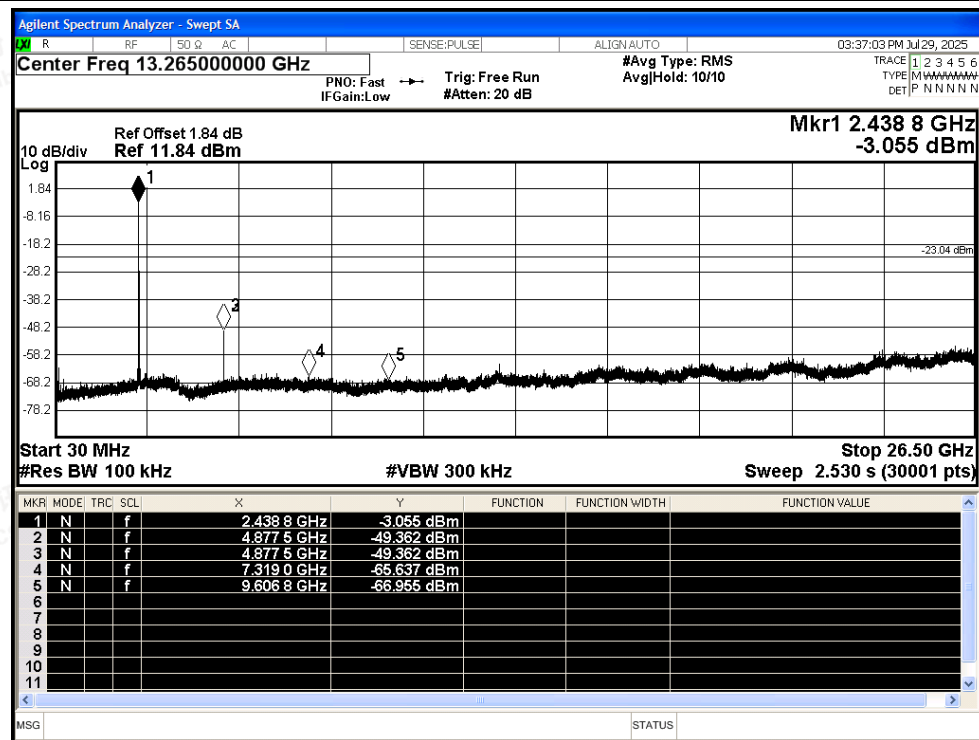
Scan code to check authenticity



Tx. Spurious NVNT 2.4G 2439MHz Ant1 Ref



Tx. Spurious NVNT 2.4G 2439MHz Ant1 Emission



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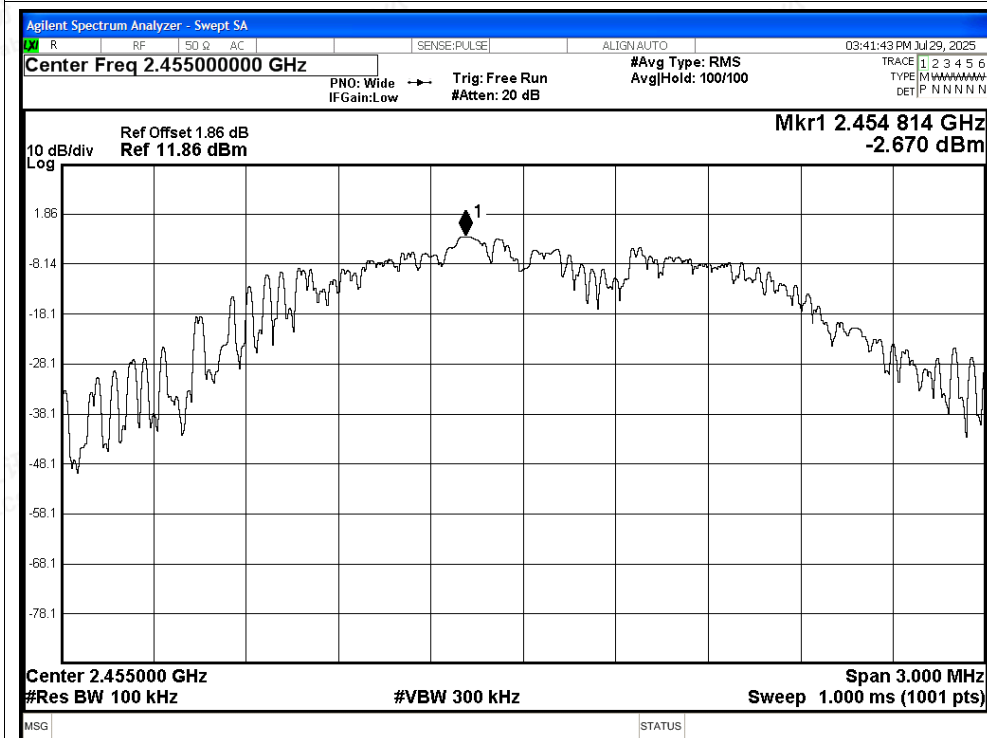
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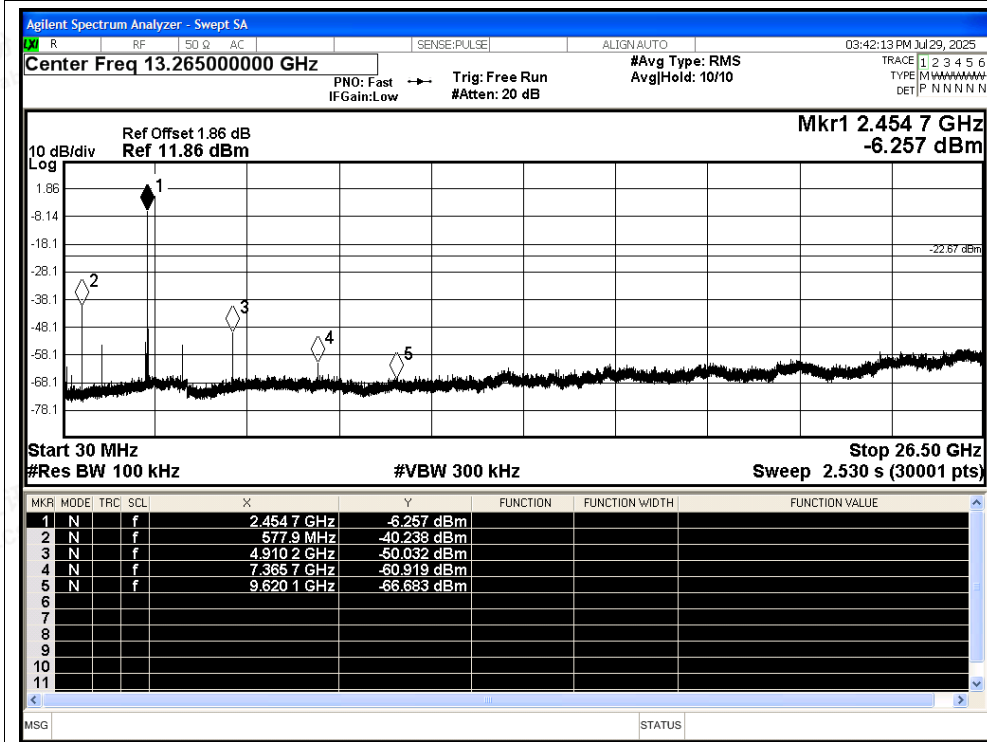
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Tx. Spurious NVNT 2.4G 2455MHz Ant1 Ref



Tx. Spurious NVNT 2.4G 2455MHz Ant1 Emission



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A.6 Duty Cycle

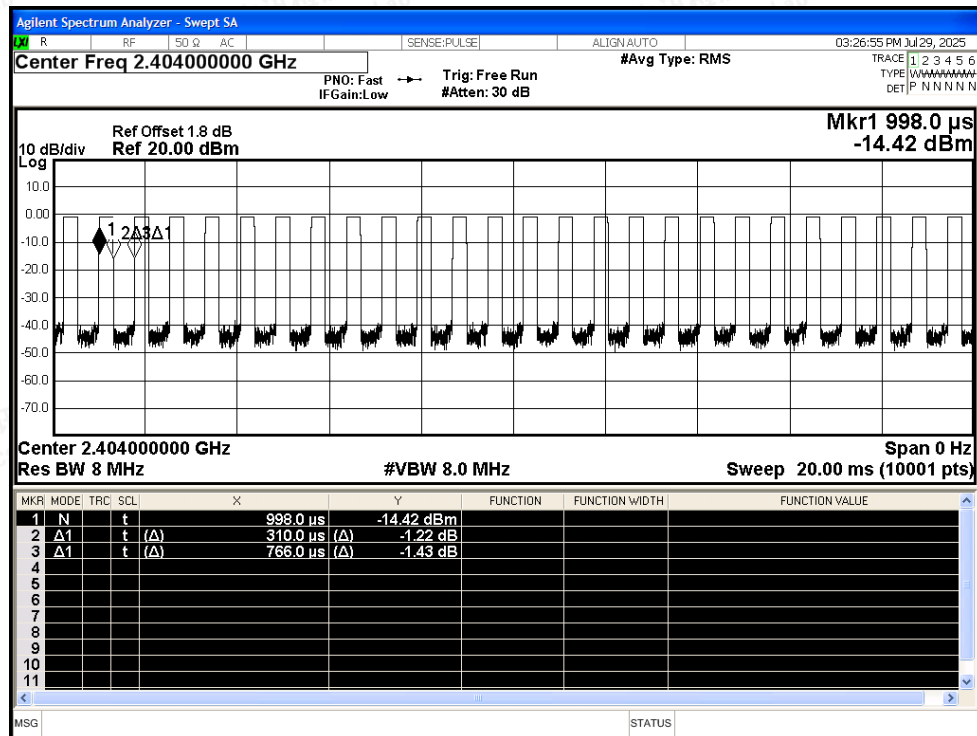
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	2.4G	2404	Ant1	40.47	3.93	3.23
NVNT	2.4G	2439	Ant1	40.36	3.94	3.23
NVNT	2.4G	2455	Ant1	40.36	3.94	3.23



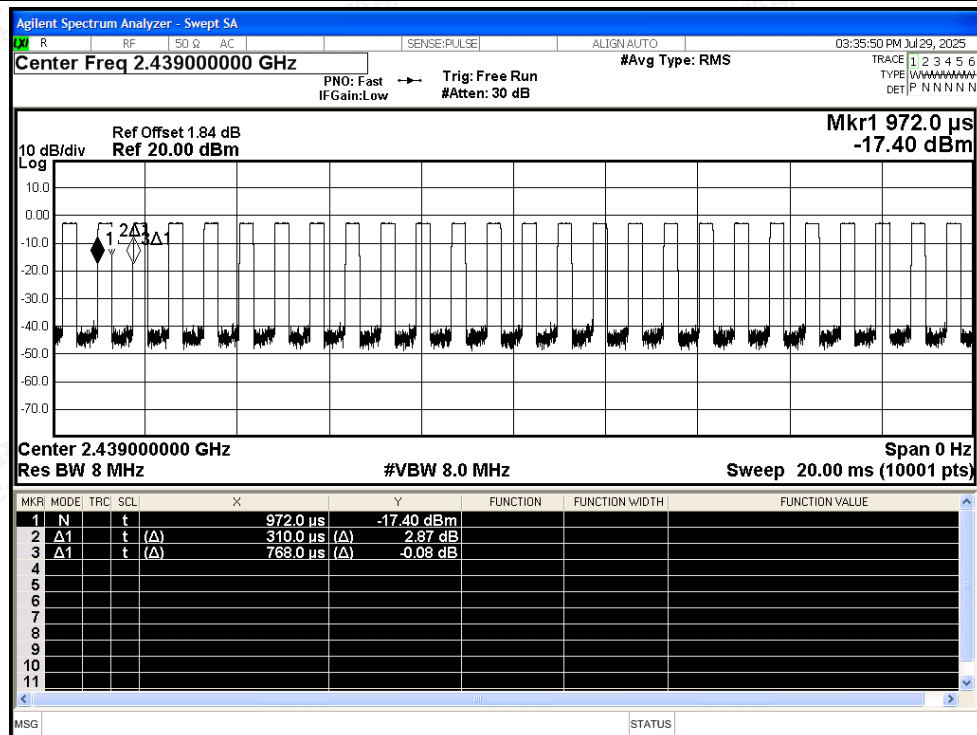


Test Graphs

Duty Cycle NVNT 2.4G 2404MHz Ant1



Duty Cycle NVNT 2.4G 2439MHz Ant1

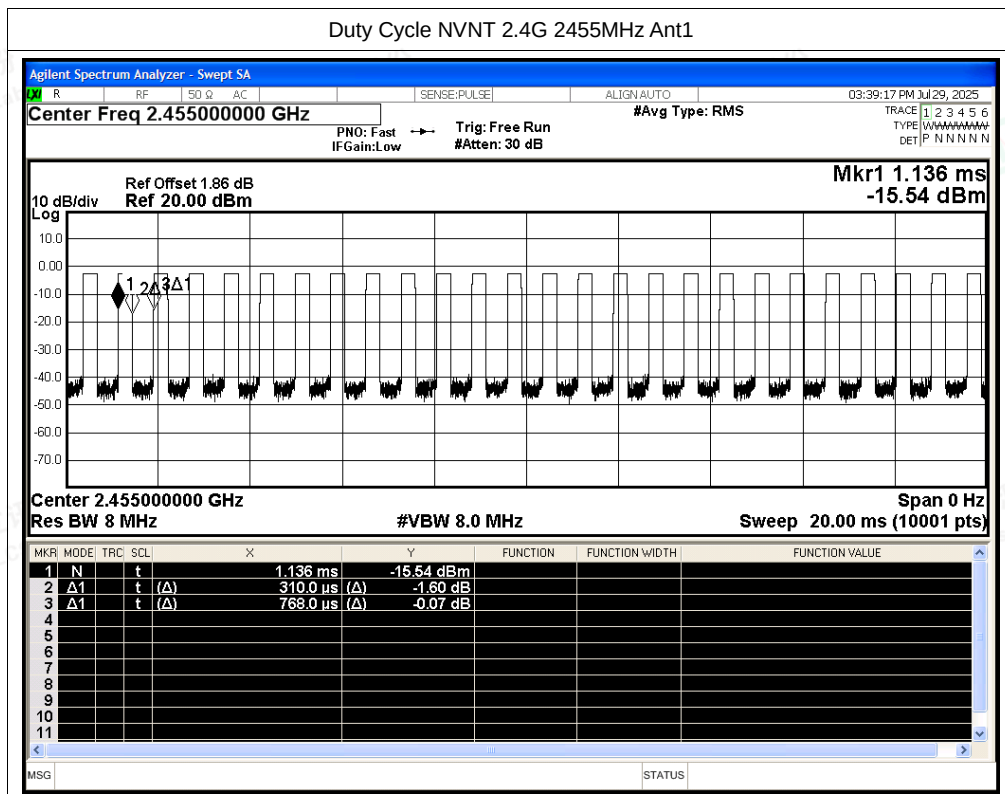


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A.7 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	2.4G	2404	Ant1	2310	-51.43	2	-	45.83	Peak	74	Pass
NVNT	2.4G	2404	Ant1	2310	-58.89	2	3.93	42.30	Average	54	Pass
NVNT	2.4G	2404	Ant1	2380.266	-46.41	2	-	50.85	Peak	74	Pass
NVNT	2.4G	2404	Ant1	2379.972	-56.62	2	3.93	44.57	Average	54	Pass
NVNT	2.4G	2404	Ant1	2390	-50.9	2	-	46.36	Peak	74	Pass
NVNT	2.4G	2404	Ant1	2390	-58.81	2	3.93	42.38	Average	54	Pass
NVNT	2.4G	2455	Ant1	2483.5	-50.42	2	-	46.84	Peak	74	Pass
NVNT	2.4G	2455	Ant1	2483.5	-58.21	2	3.94	42.99	Average	54	Pass
NVNT	2.4G	2455	Ant1	2491.425	-47.33	2	-	49.93	Peak	74	Pass
NVNT	2.4G	2455	Ant1	2490.788	-57.35	2	3.94	43.85	Average	54	Pass
NVNT	2.4G	2455	Ant1	2500	-49.71	2	-	47.55	Peak	74	Pass
NVNT	2.4G	2455	Ant1	2500	-57.87	2	3.94	43.33	Average	54	Pass



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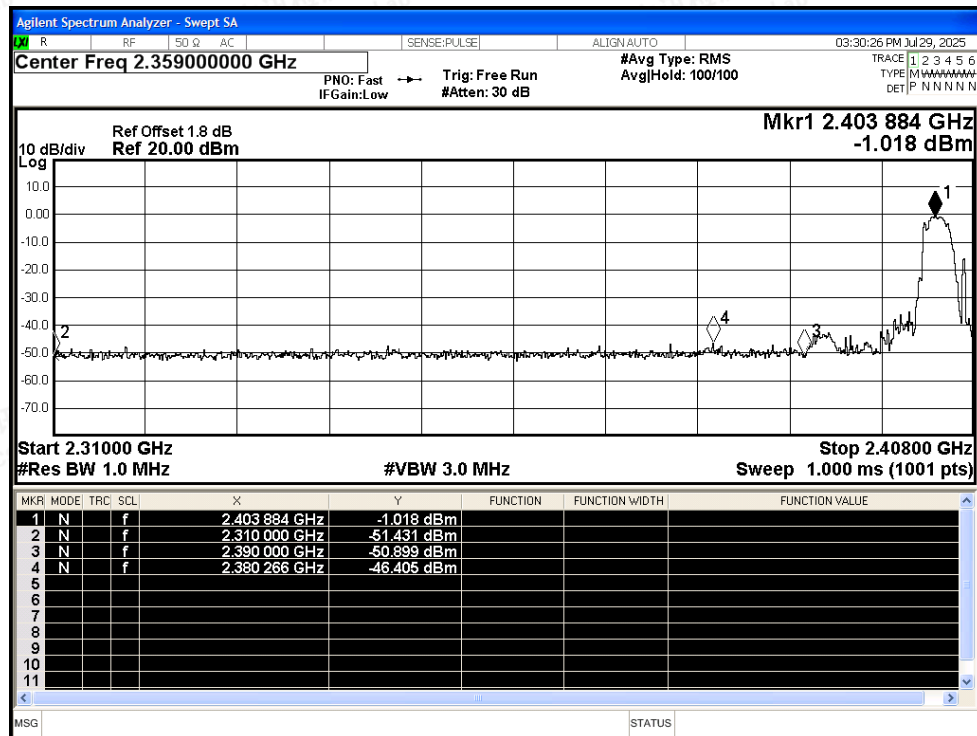
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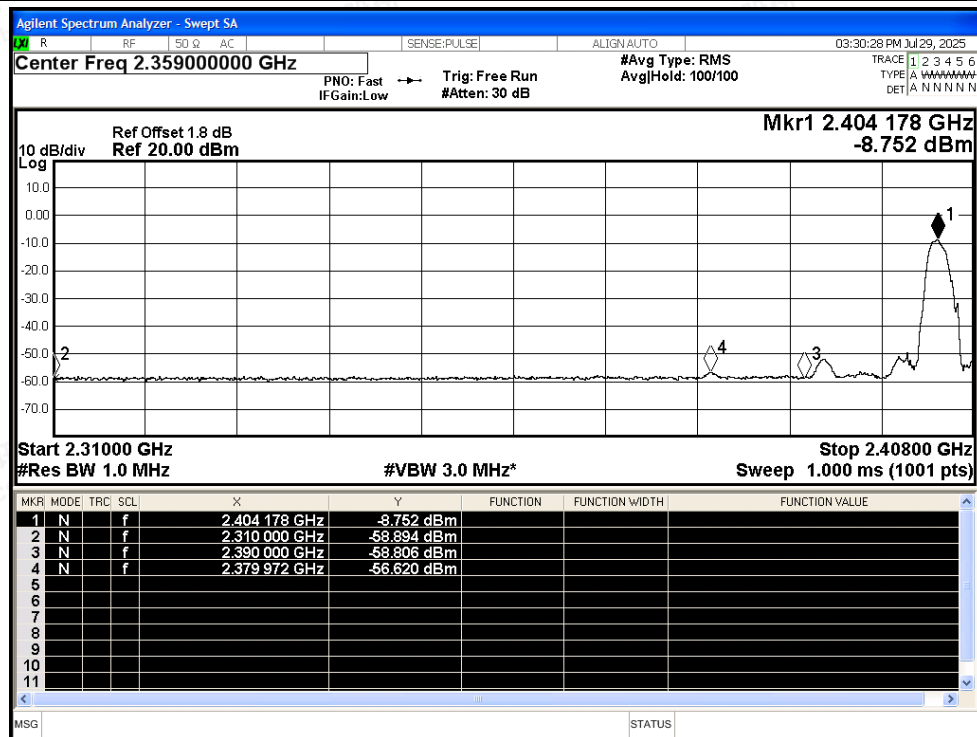


Test Graphs

Restrict Band NVNT 2.4G 2404MHz Ant1 Peak



Restrict Band NVNT 2.4G 2404MHz Ant1 Average



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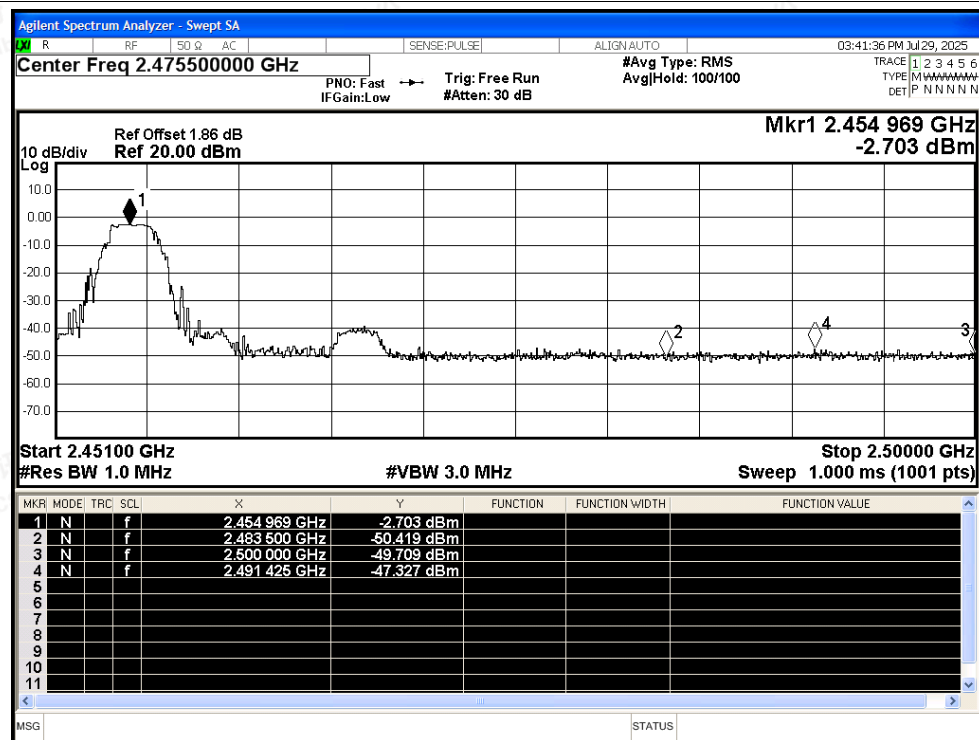
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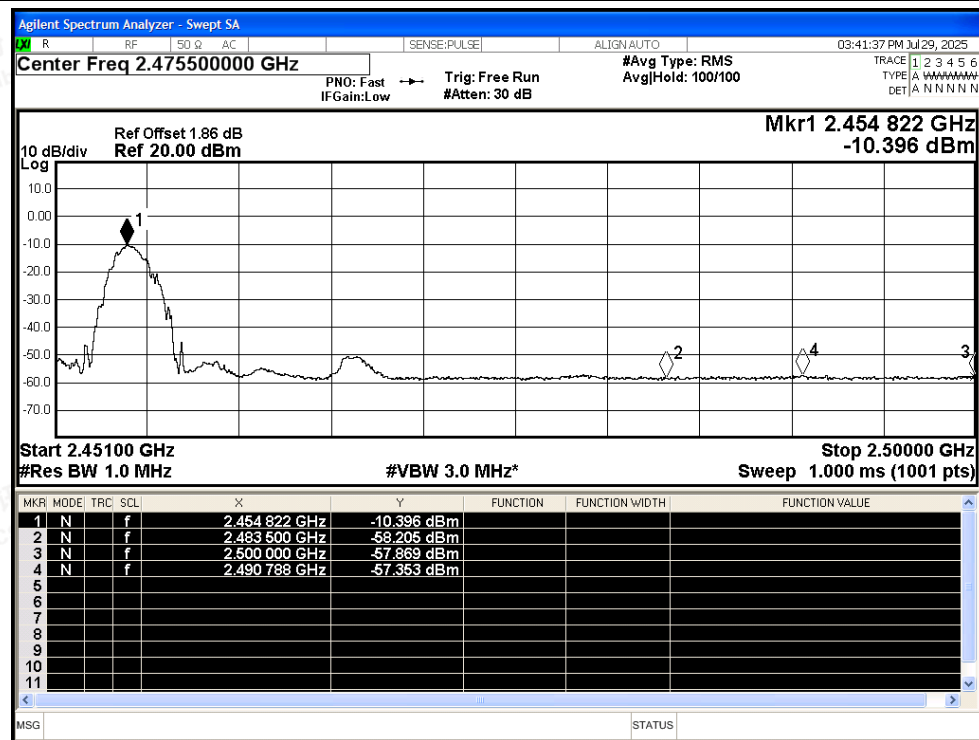
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Restrict Band NVNT 2.4G 2455MHz Ant1 Peak



Restrict Band NVNT 2.4G 2455MHz Ant1 Average



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