

FCC Appendix RF Test Data for 2.4G

FCC ID : 2A2P5-OMR604

Company : Acer Gadget Inc.

EUT : Acer Dual Mode Wireless Mouse

Model Number : OMR604

Report No. : CTA26062701502

Reviewed By : Eric Wang

Maximum Peak Conducted Output Power

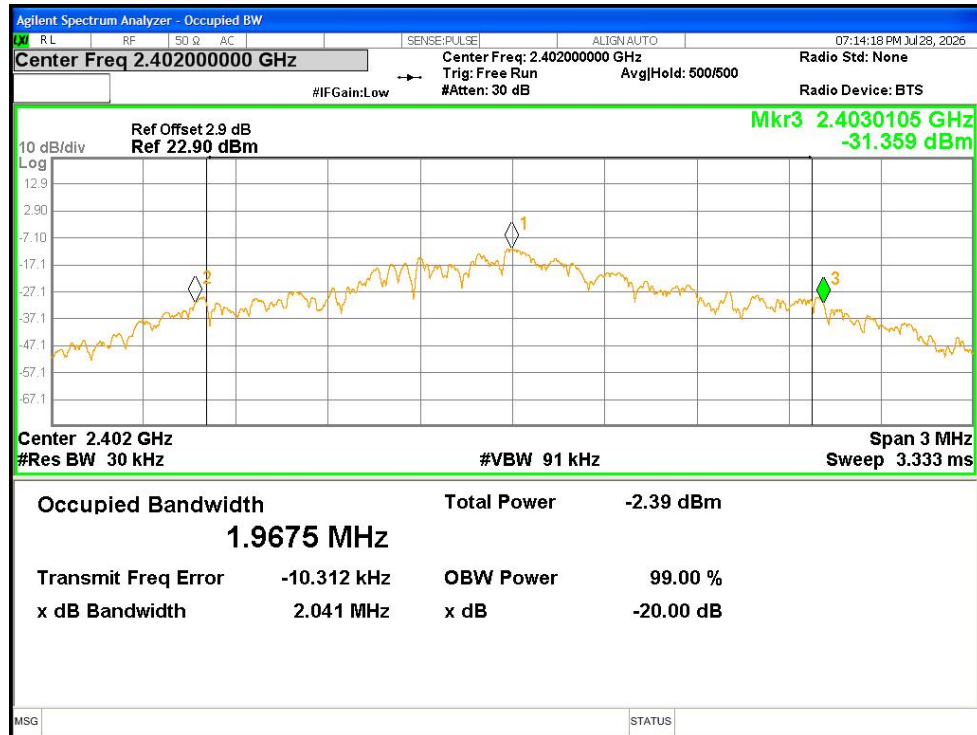
Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	2.4G	2402	-5.61	<=20.97	Pass
NVNT	2.4G	2440	-4.48	<=20.97	Pass
NVNT	2.4G	2480	-4.06	<=20.97	Pass

-20dB Bandwidth

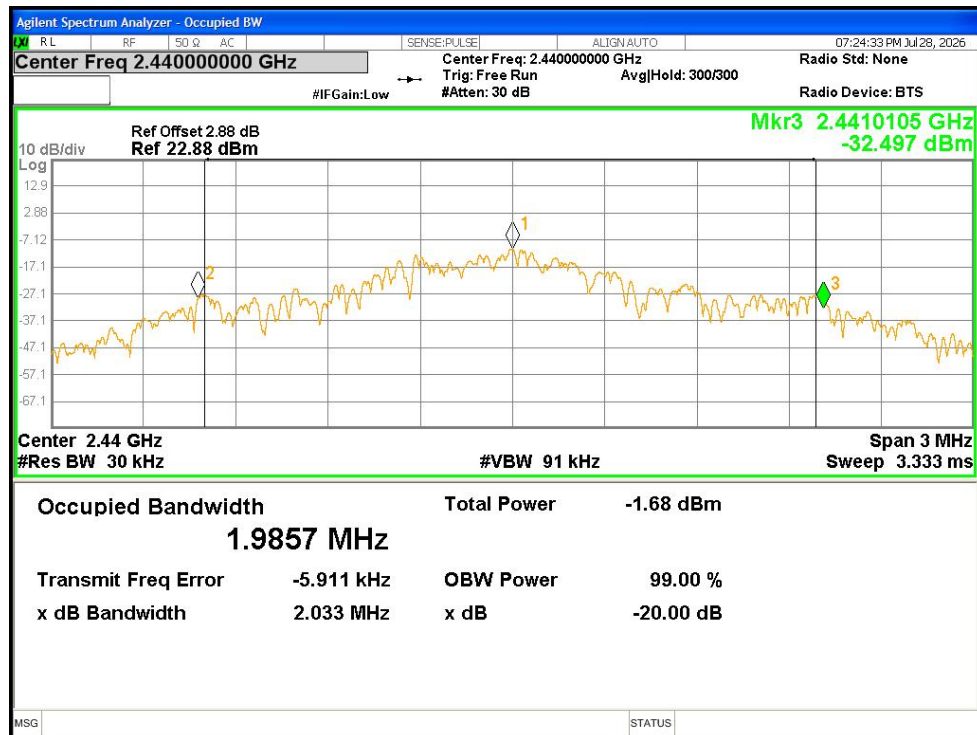
Condition	Mode	Frequency (MHz)	-20 dB Bandwidth (MHz)	Verdict
NVNT	2.4G	2402	2.041	Pass
NVNT	2.4G	2440	2.033	Pass
NVNT	2.4G	2480	2.049	Pass

Test Graphs

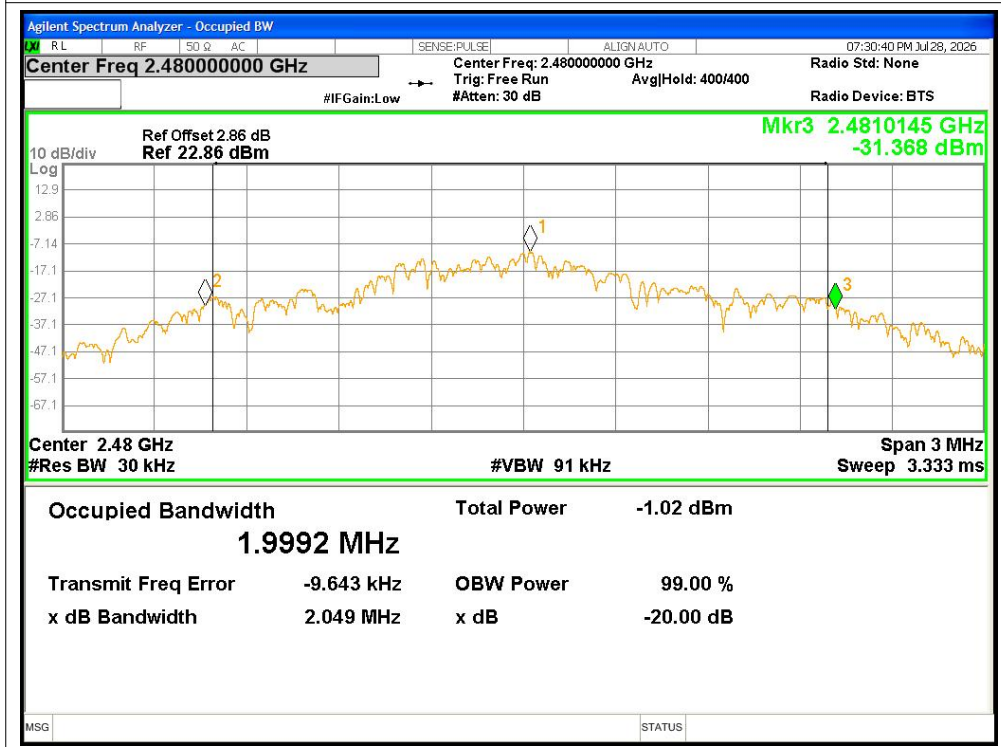
-20dB Bandwidth NVNT 2.4G 2402MHz



-20dB Bandwidth NVNT 2.4G 2440MHz



-20dB Bandwidth NVNT 2.4G 2480MHz



Carrier Frequencies Separation

Condition	Mode	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	2.4G	2402.022	2404.026	2.004	>=1.361	Pass
NVNT	2.4G	2440.034	2441.978	1.944	>=1.355	Pass
NVNT	2.4G	2478.016	2480.008	1.992	>=1.366	Pass

CFS NVNT 2.4G 2480MHz



Number of Hopping Channel

Condition	Mode	Hopping Number	Limit	Verdict
NVNT	2.4G	40	>=15	Pass

Band Edge

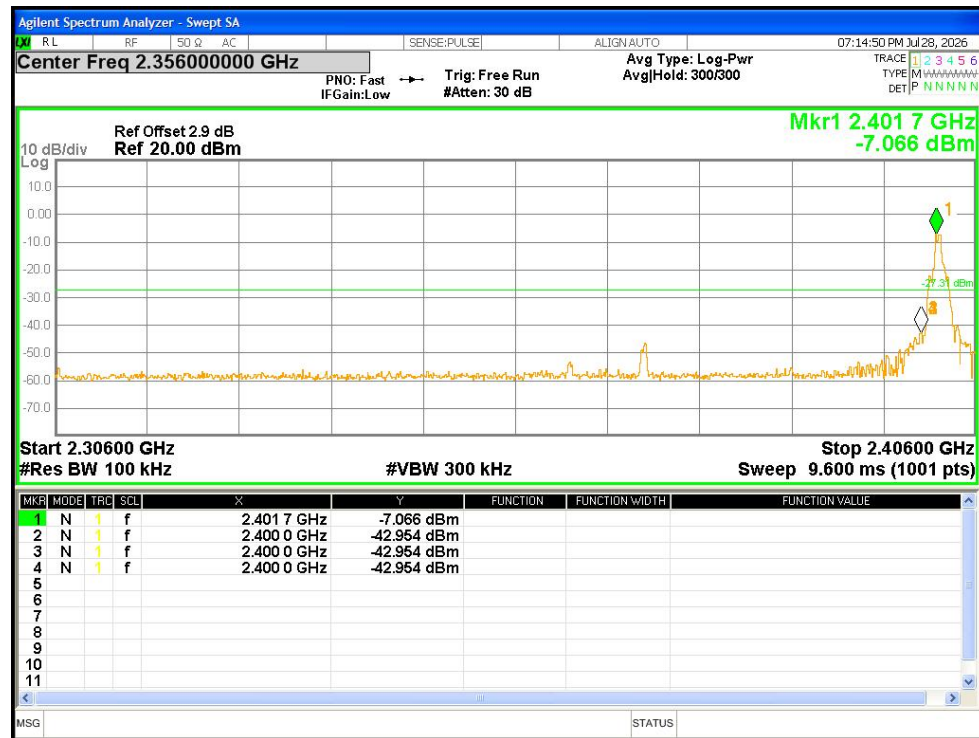
Condition	Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4G	2402	No-Hopping	-35.65	<=-20	Pass
NVNT	2.4G	2480	No-Hopping	-42.26	<=-20	Pass

Test Graphs

Band Edge NVNT 2.4G 2402MHz No-Hopping Ref



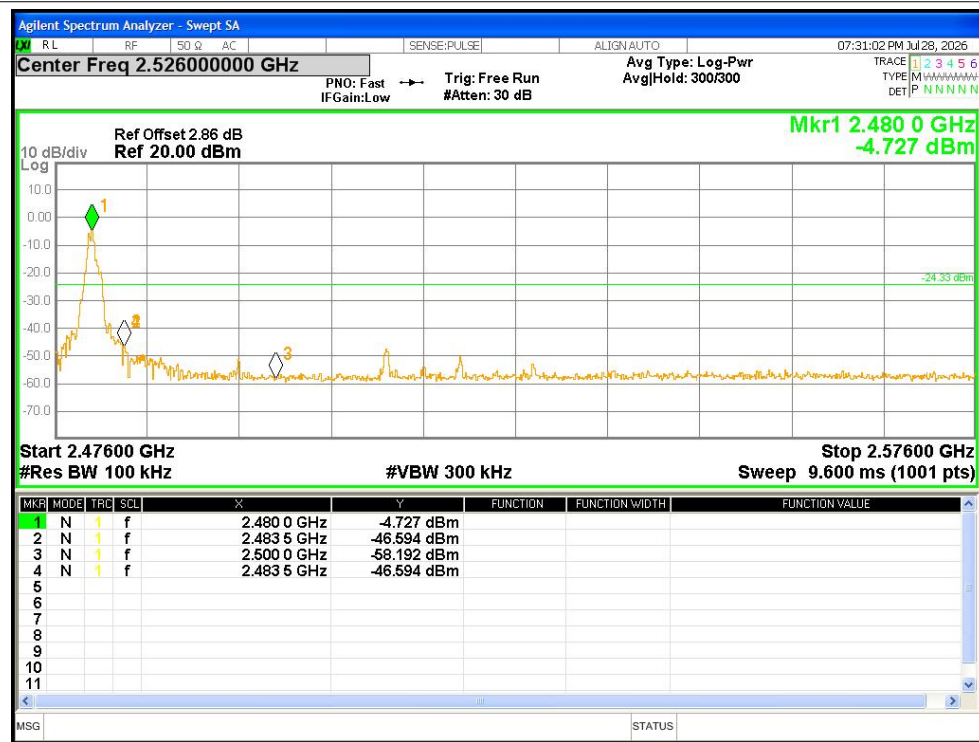
Band Edge NVNT 2.4G 2402MHz No-Hopping Emission



Band Edge NVNT 2.4G 2480MHz No-Hopping Ref



Band Edge NVNT 2.4G 2480MHz No-Hopping Emission



Band Edge(Hopping)

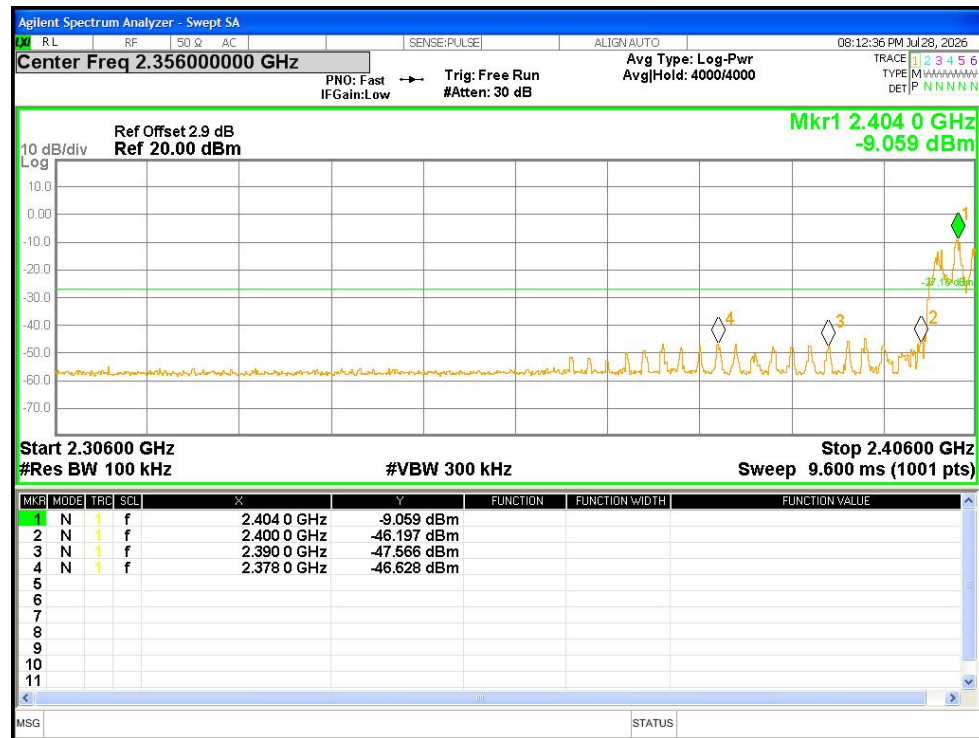
Condition	Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4G	2402	Hopping	-39.46	<=-20	Pass
NVNT	2.4G	2480	Hopping	-40.57	<=-20	Pass

Test Graphs

Band Edge(Hopping) NVNT 2.4G 2402MHz Hopping Ref



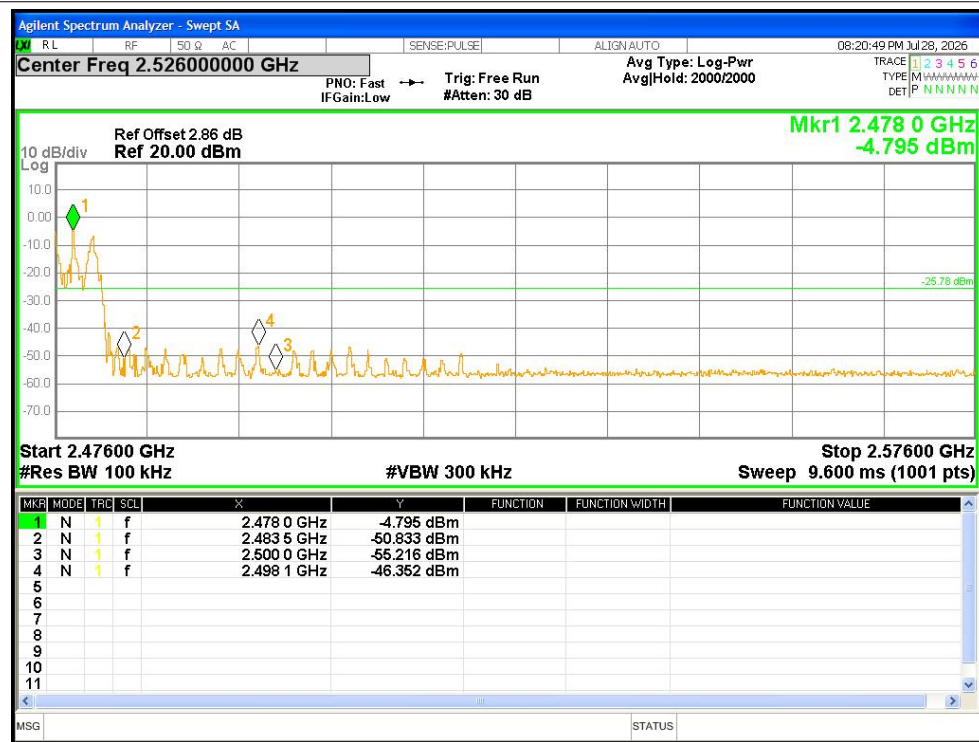
Band Edge(Hopping) NVNT 2.4G 2402MHz Hopping Emission



Band Edge(Hopping) NVNT 2.4G 2480MHz Hopping Ref



Band Edge(Hopping) NVNT 2.4G 2480MHz Hopping Emission



Conducted RF Spurious Emission

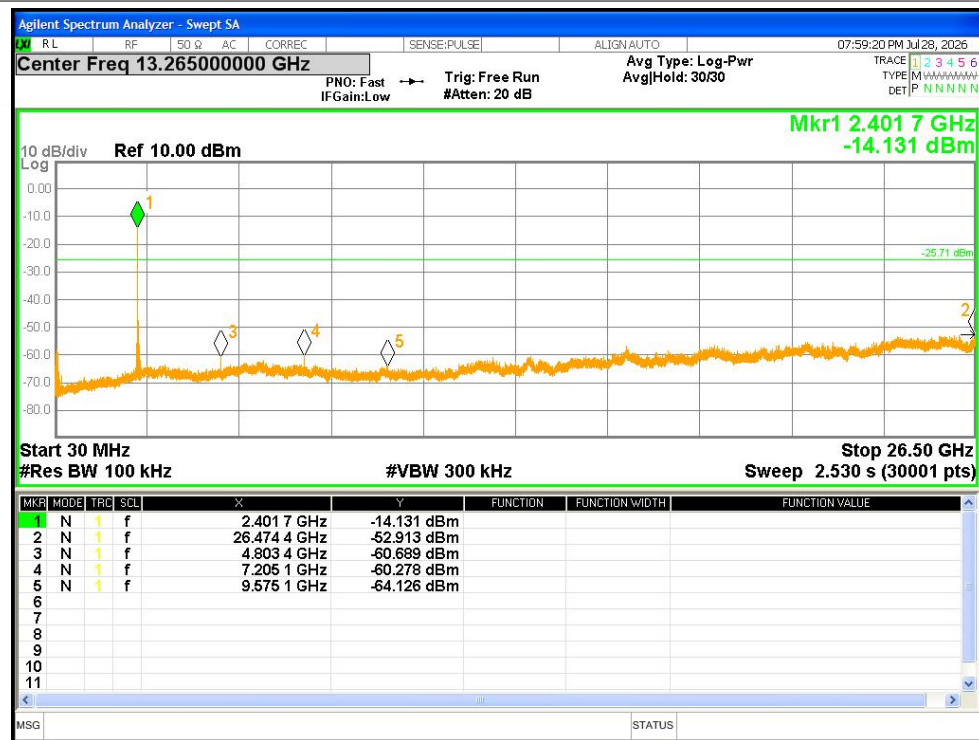
Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4G	2402	-47.2	<=-20	Pass
NVNT	2.4G	2440	-47.7	<=-20	Pass
NVNT	2.4G	2480	-48.96	<=-20	Pass

Test Graphs

Tx. Spurious NVNT 2.4G 2402MHz Ref



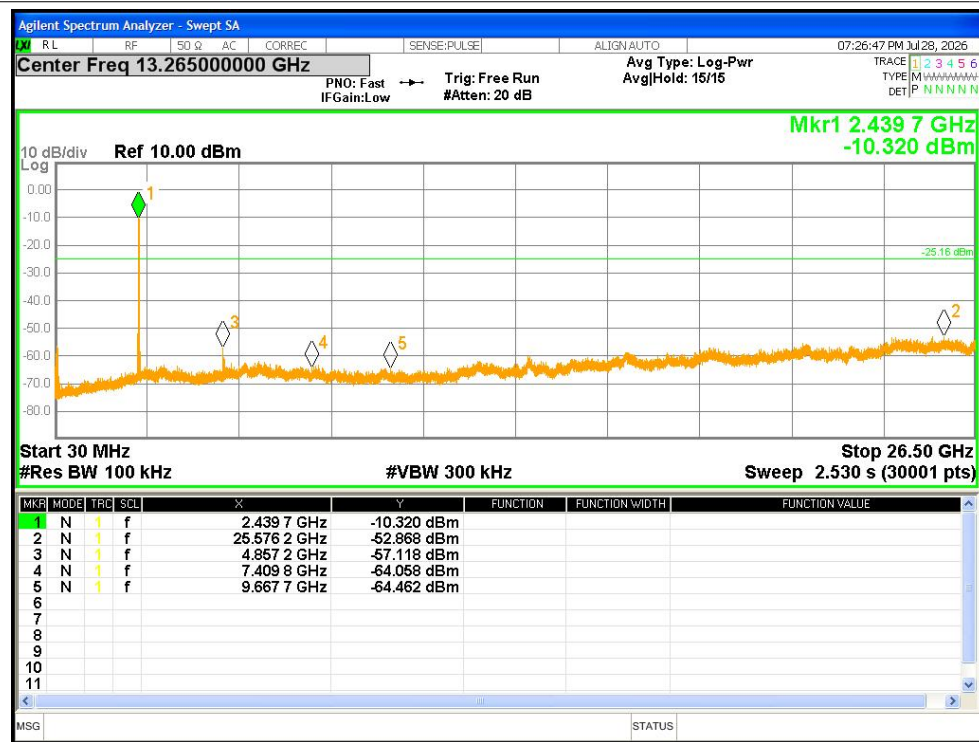
Tx. Spurious NVNT 2.4G 2402MHz Emission



Tx. Spurious NVNT 2.4G 2440MHz Ref



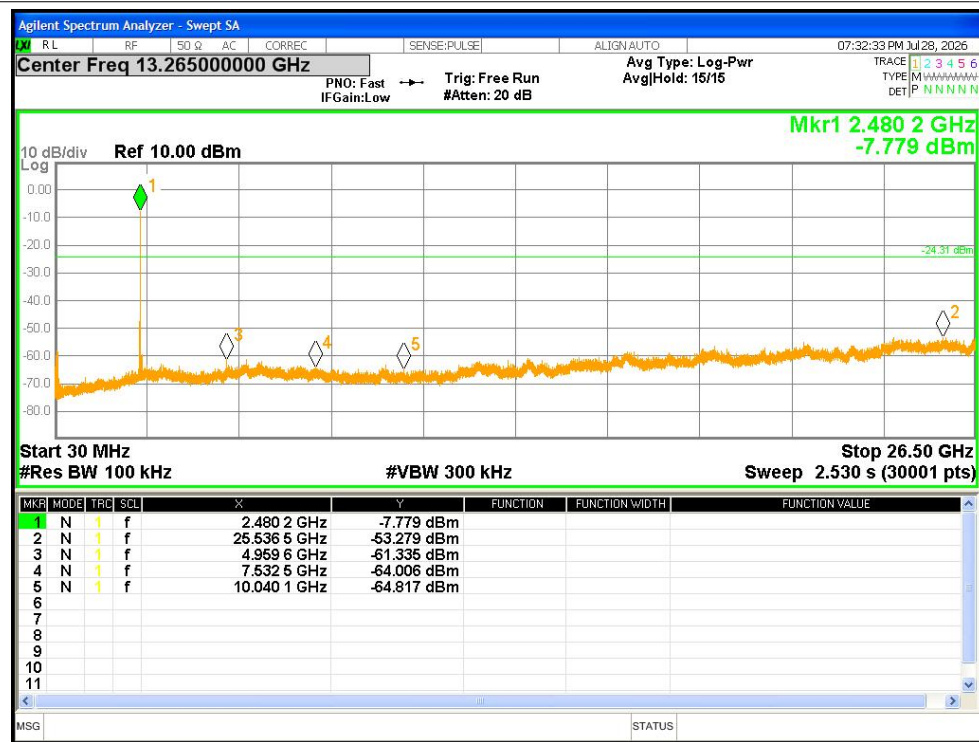
Tx. Spurious NVNT 2.4G 2440MHz Emission



Tx. Spurious NVNT 2.4G 2480MHz Ref



Tx. Spurious NVNT 2.4G 2480MHz Emission

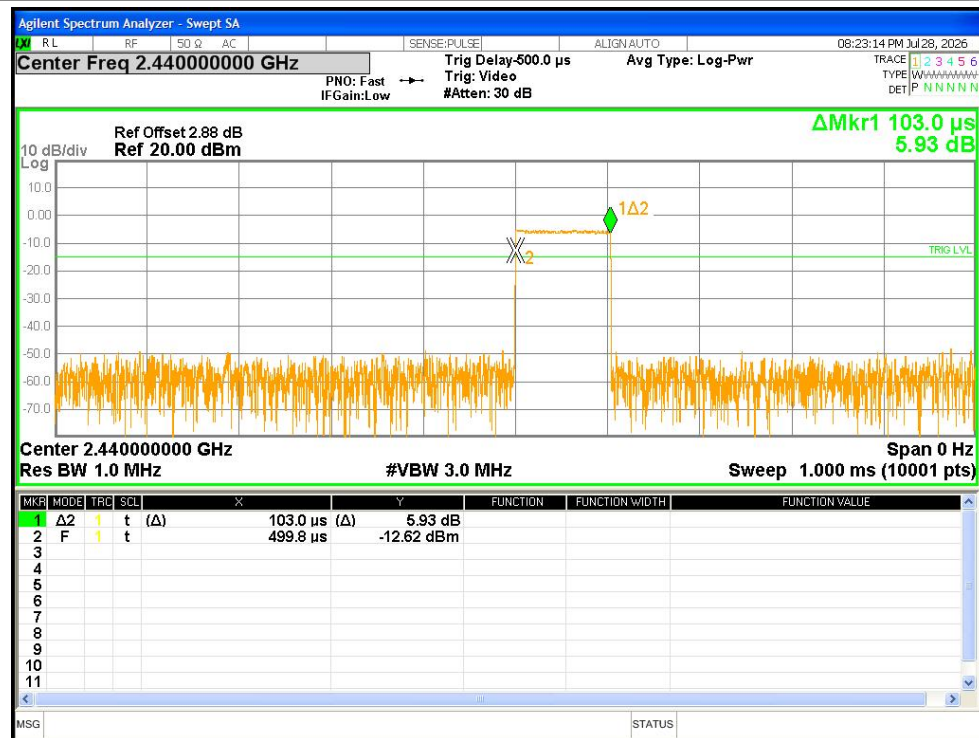


Dwell Time

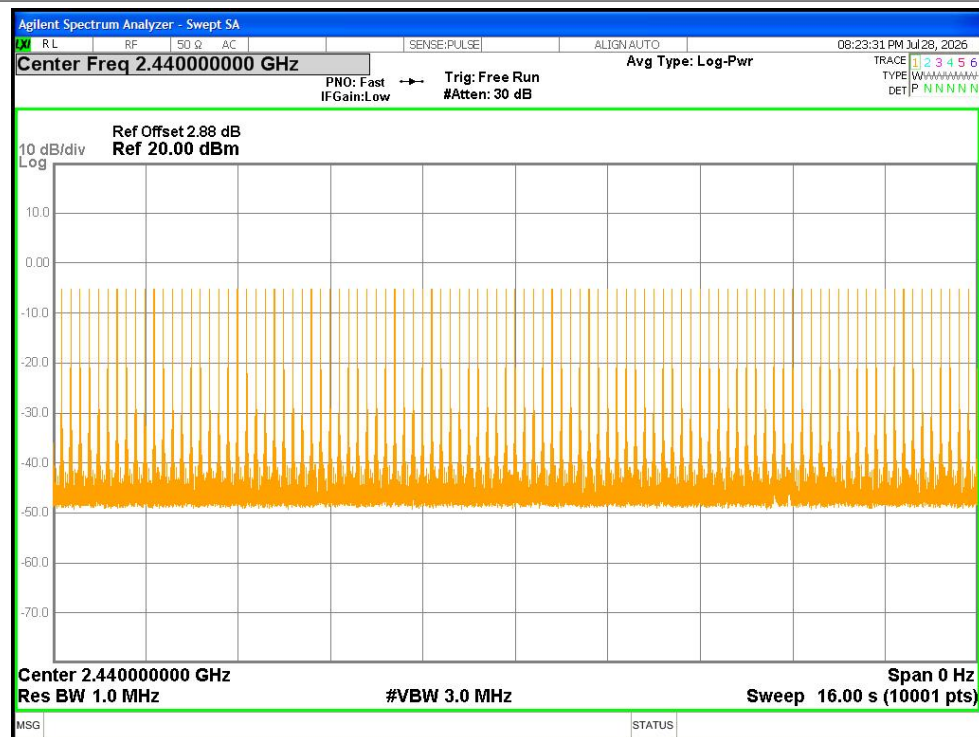
Condition	Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	2.4G	2440	0.103	10.197	99	16000	<=400	Pass

Test Graphs

Dwell NVNT 2.4G 2440MHz One Burst



Dwell NVNT 2.4G 2440MHz Accumulated

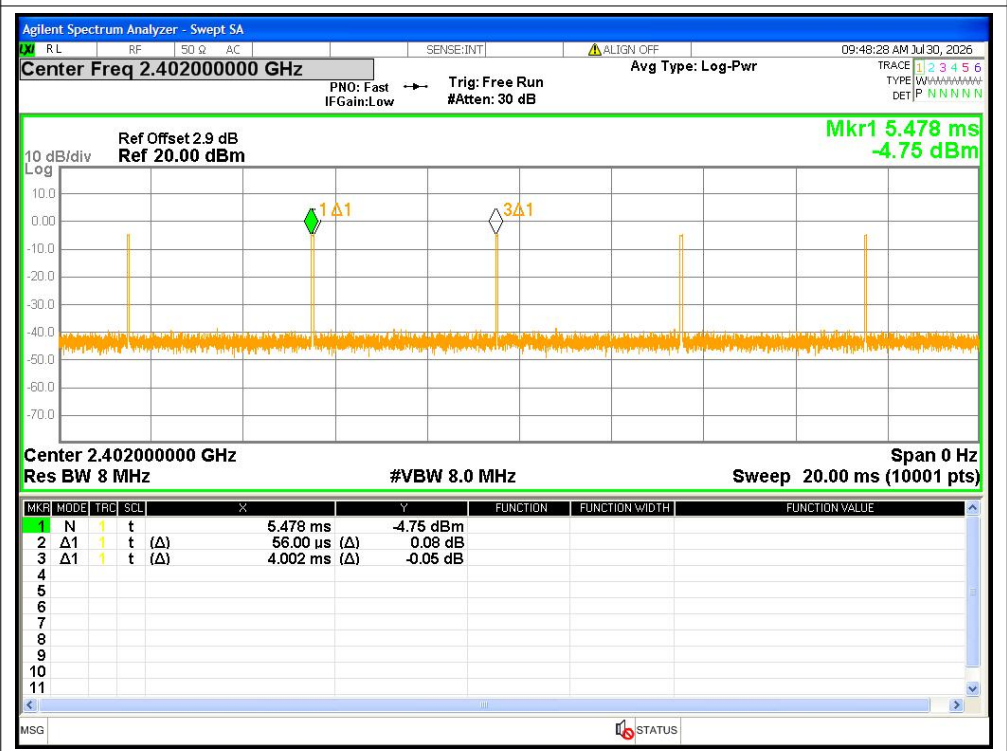


Duty Cycle

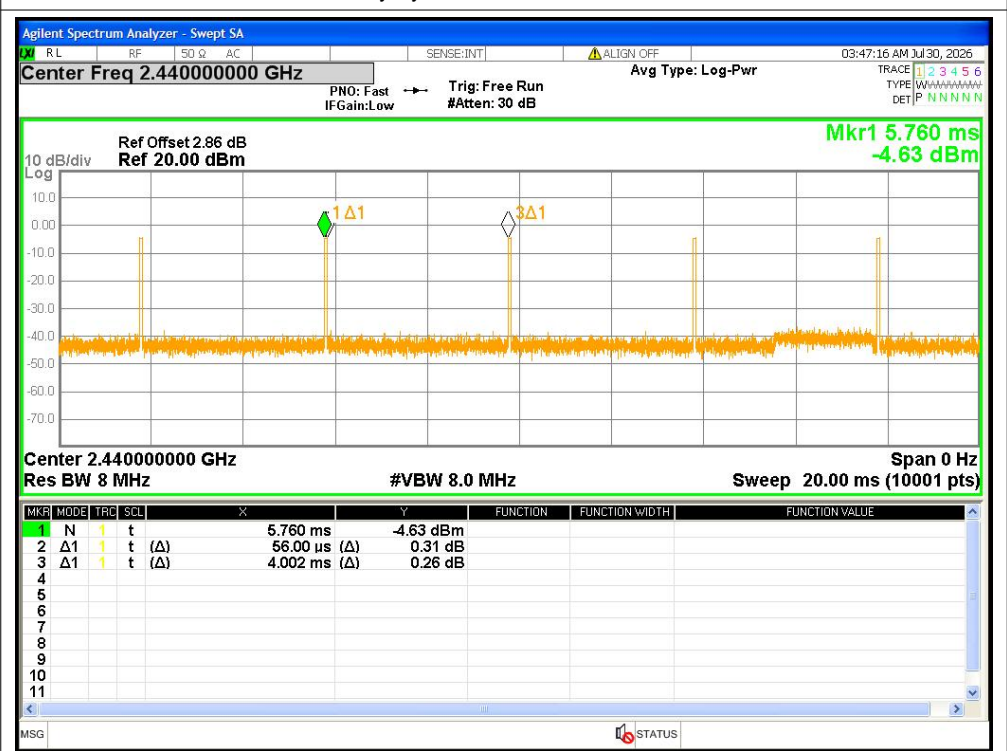
Condition	Mode	Frequency (MHz)	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	2.4G	2402	0.056	4.002	1.4	18.54	17.86
NVNT	2.4G	2440	0.056	4.002	1.4	18.54	17.86
NVNT	2.4G	2480	0.056	4.002	1.4	18.54	17.86

Test Graphs

Duty Cycle NVNT 2.4G 2402MHz



Duty Cycle NVNT 2.4G 2440MHz



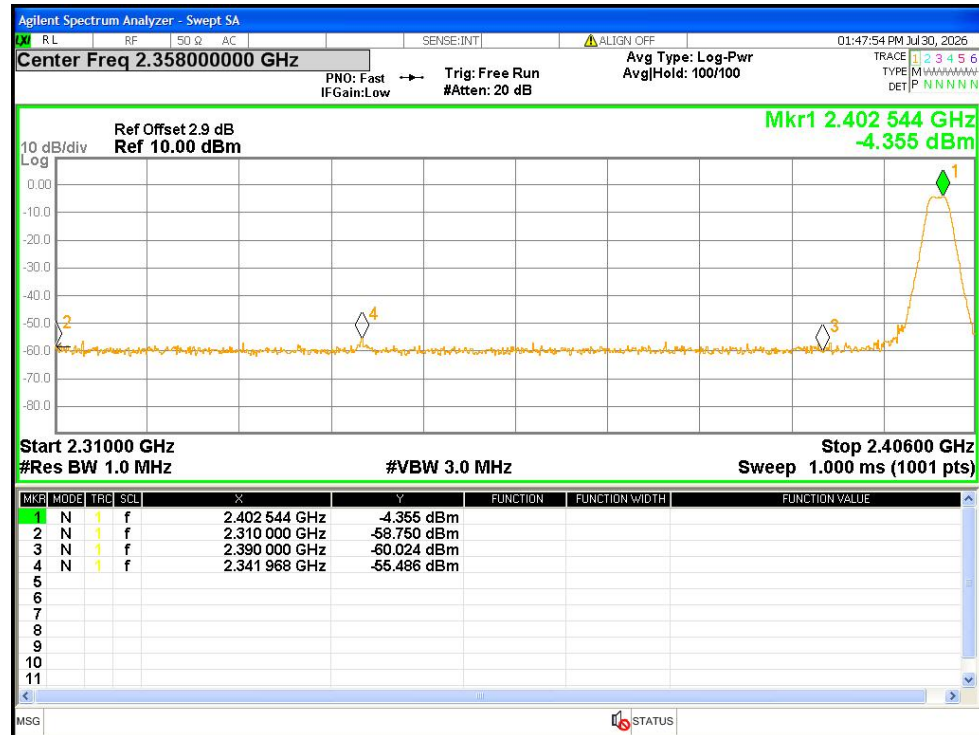
[illegible]

Restrict Band

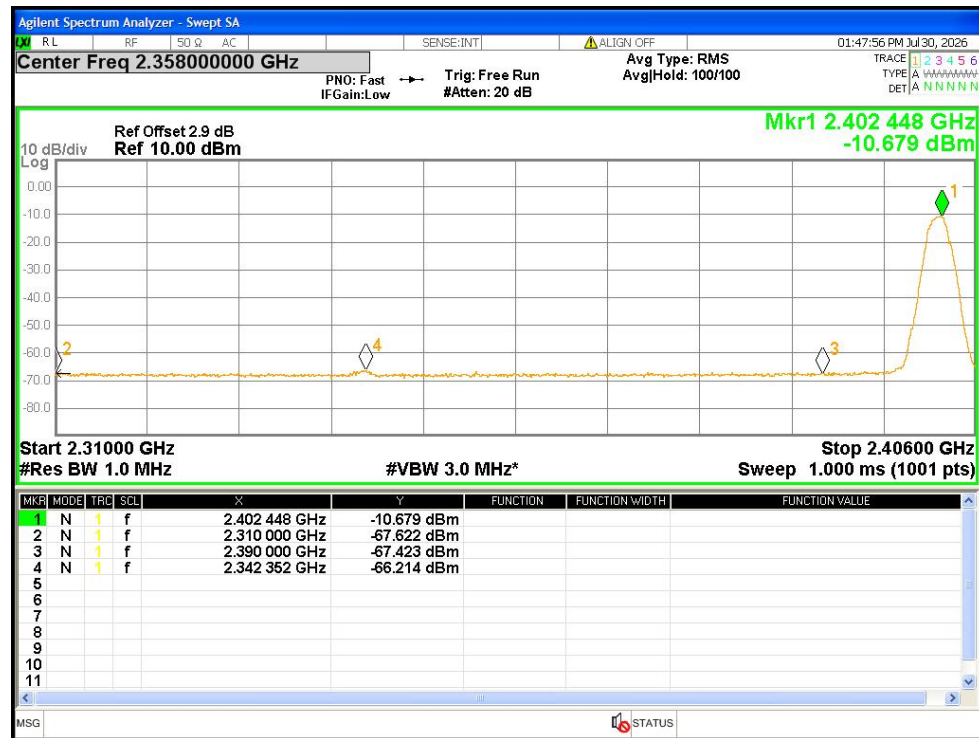
Condition	Mode	Frequency (MHz)	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	2.4G	2402	No-Hopping	2310	-58.75	2.18	0	38.69	Peak	<=74	Pass
NVNT	2.4G	2402	No-Hopping	2310	-67.62	2.18	18.54	48.36	Average	<=54	Pass
NVNT	2.4G	2402	No-Hopping	2341.968	-55.48	2.18	0	41.96	Peak	<=74	Pass
NVNT	2.4G	2402	No-Hopping	2342.352	-66.21	2.18	18.54	49.77	Average	<=54	Pass
NVNT	2.4G	2402	No-Hopping	2390	-60.49	2.18	0	36.95	Peak	<=74	Pass
NVNT	2.4G	2402	No-Hopping	2390	-67.38	2.18	18.54	48.6	Average	<=54	Pass
NVNT	2.4G	2480	No-Hopping	2483.5	-50.46	2.18	0	46.98	Peak	<=74	Pass
NVNT	2.4G	2480	No-Hopping	2483.5	-62.95	2.18	18.54	53.03	Average	<=54	Pass
NVNT	2.4G	2480	No-Hopping	2487.376	-45.08	2.18	0	52.36	Peak	<=74	Pass
NVNT	2.4G	2480	No-Hopping	2486.92	-62.02	2.18	18.54	53.96	Average	<=54	Pass
NVNT	2.4G	2480	No-Hopping	2500	-57.88	2.18	0	39.56	Peak	<=74	Pass
NVNT	2.4G	2480	No-Hopping	2500	-67.8	2.18	18.54	48.18	Average	<=54	Pass

Test Graphs

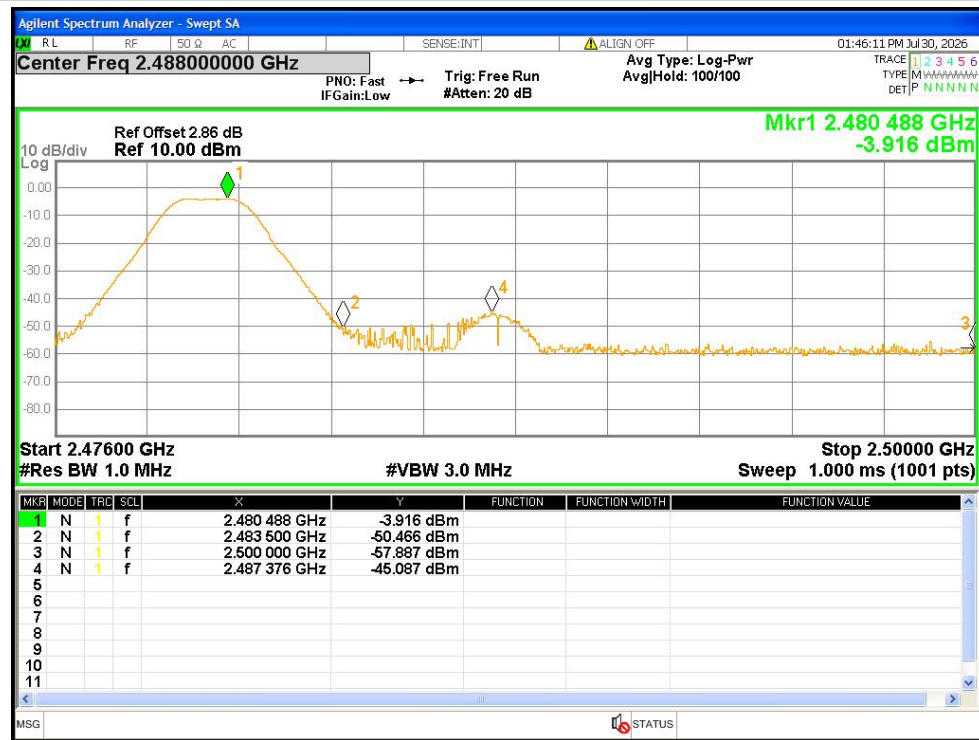
Restrict Band NVNT 2.4G 2402MHz No-Hopping Peak



Restrict Band NVNT 2.4G 2402MHz No-Hopping Average



Restrict Band NVNT 2.4G 2480MHz No-Hopping Peak



Restrict Band NVNT 2.4G 2480MHz No-Hopping Average

