



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Pocket Sound

Test Model: MF01S

Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jeson Zhou
Supervised by:	Taylor Hu





A.1 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.998	N/A	Pass
NVNT	1-DH5	2441	Ant1	1.005	N/A	Pass
NVNT	1-DH5	2480	Ant1	1.027	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.317	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.29	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.307	N/A	Pass



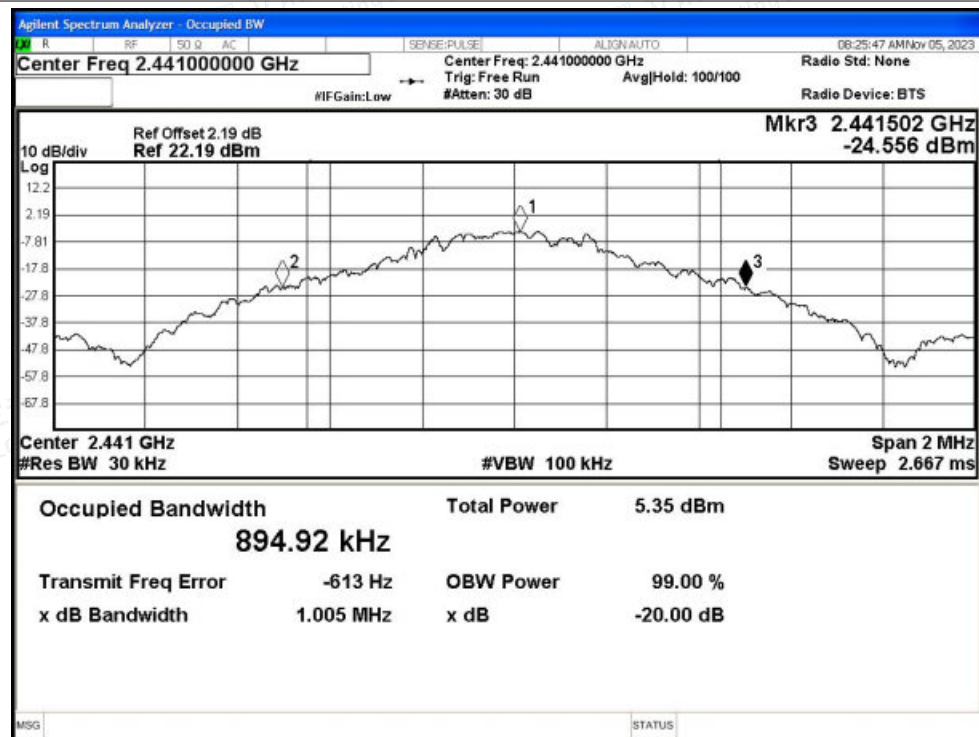


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

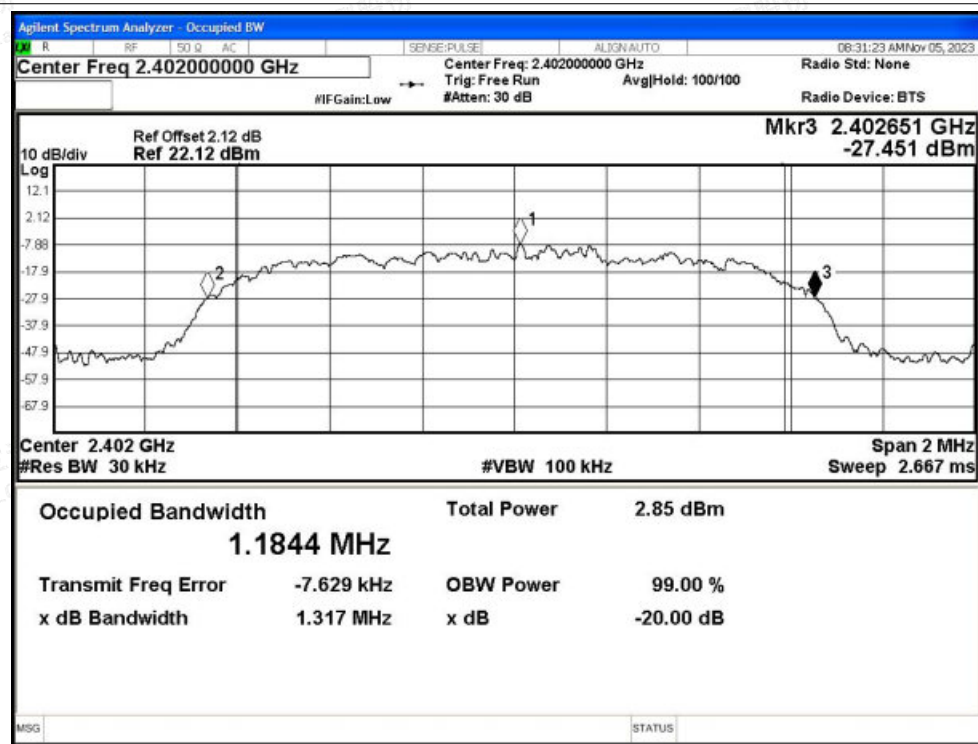




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

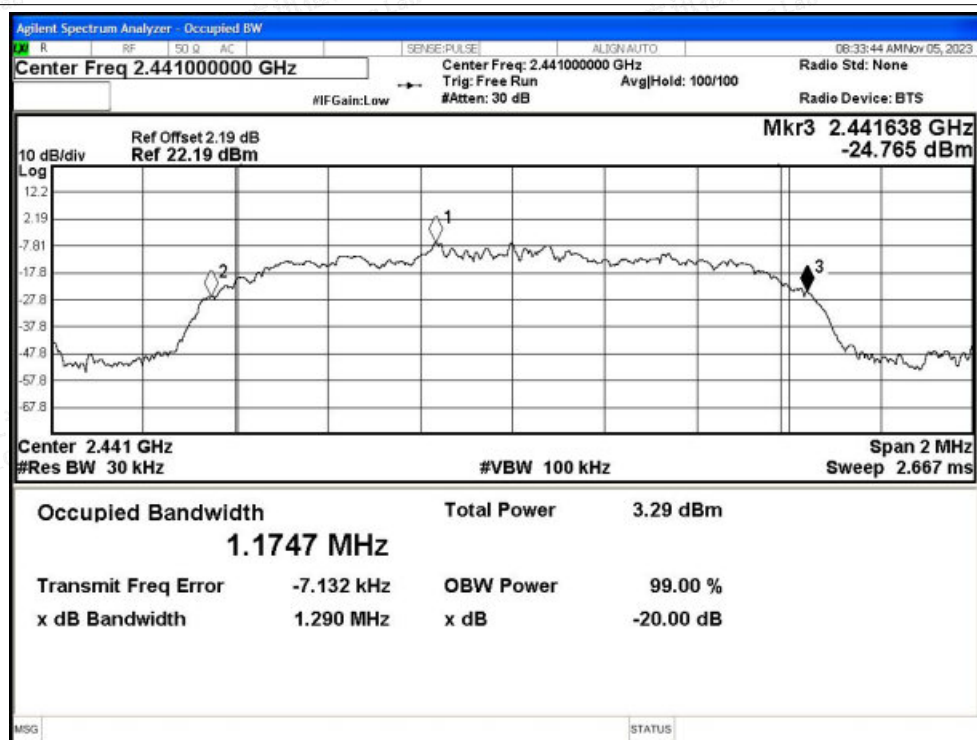


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1





-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1





A.2 Maximum Conducted Output Power

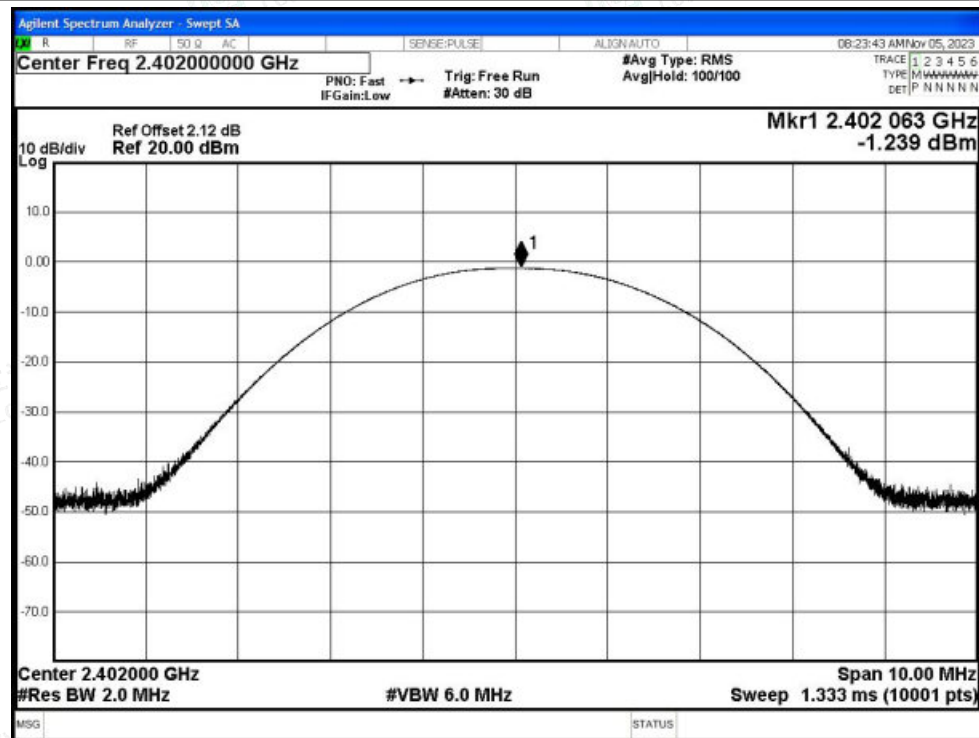
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-1.24	21	Pass
NVNT	1-DH5	2441	Ant1	-1.05	21	Pass
NVNT	1-DH5	2480	Ant1	-1.04	21	Pass
NVNT	2-DH5	2402	Ant1	-1.36	21	Pass
NVNT	2-DH5	2441	Ant1	-1.24	21	Pass
NVNT	2-DH5	2480	Ant1	-1.22	21	Pass



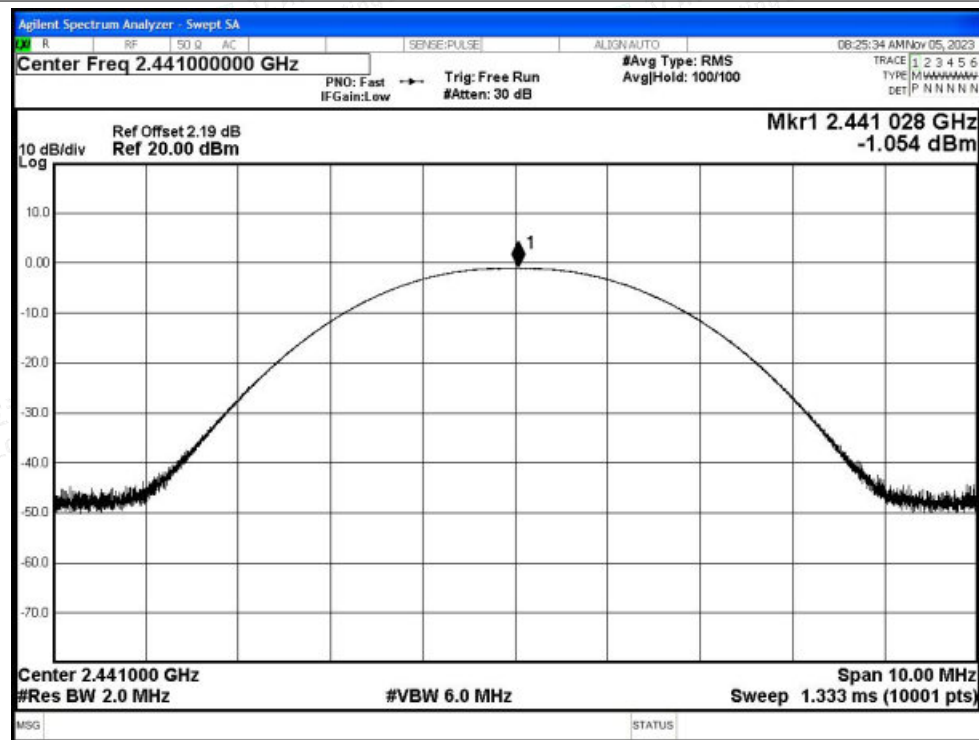


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

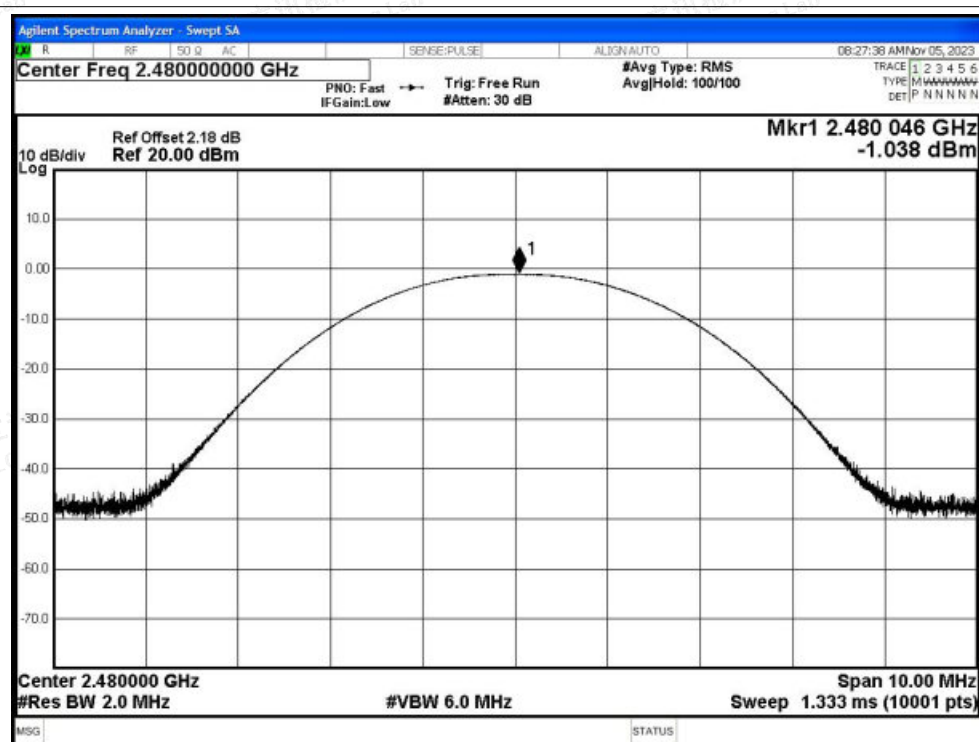


Power NVNT 1-DH5 2441MHz Ant1

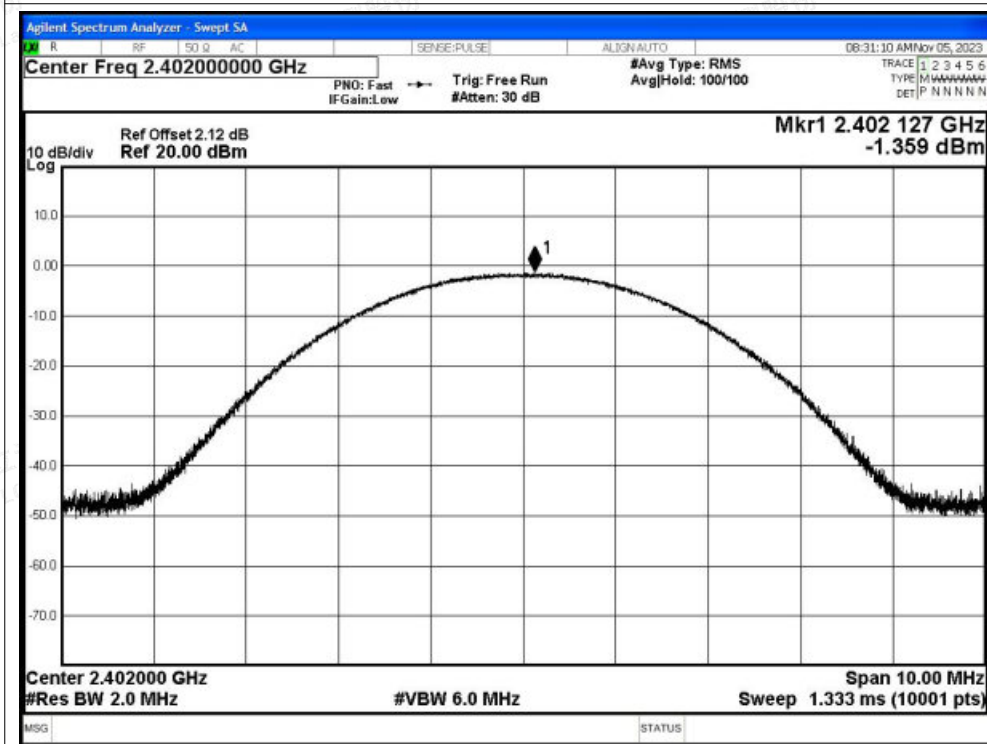




Power NVNT 1-DH5 2480MHz Ant1

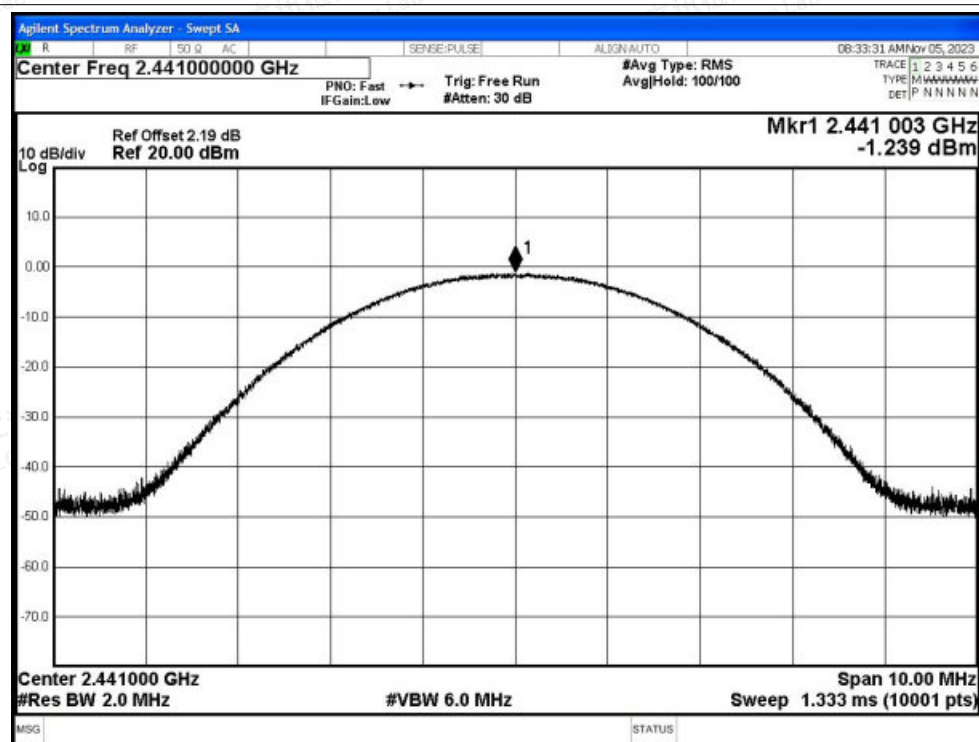


Power NVNT 2-DH5 2402MHz Ant1

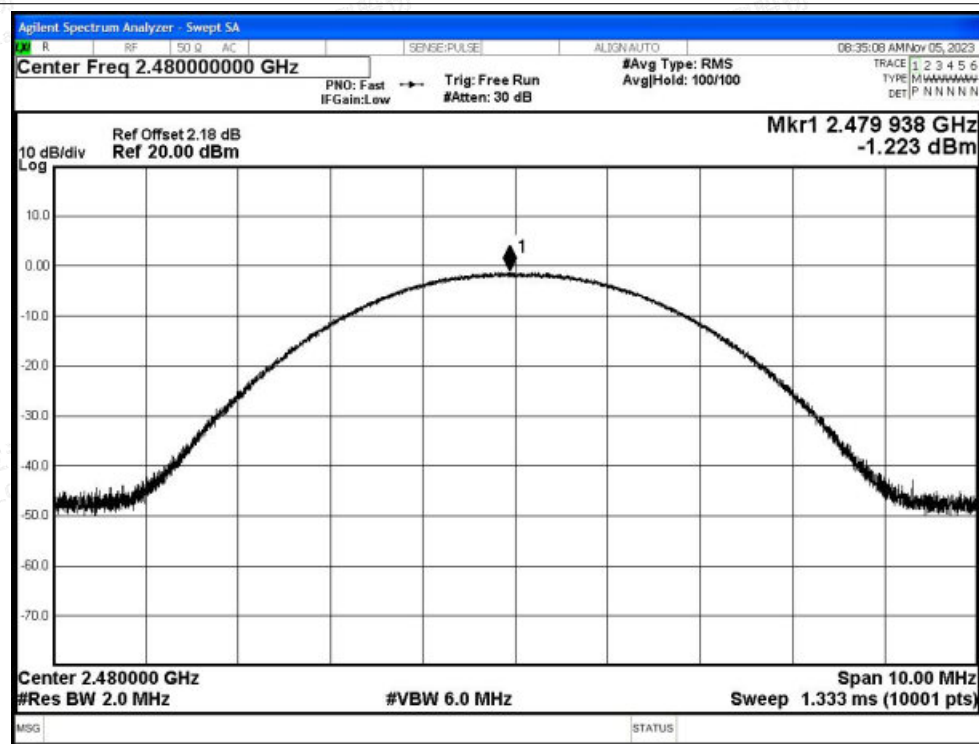




Power NVNT 2-DH5 2441MHz Ant1



Power NVNT 2-DH5 2480MHz Ant1





A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.988	2403.004	1.016	0.685	Pass
NVNT	2-DH5	Ant1	2402.156	2403.158	1.002	0.878	Pass

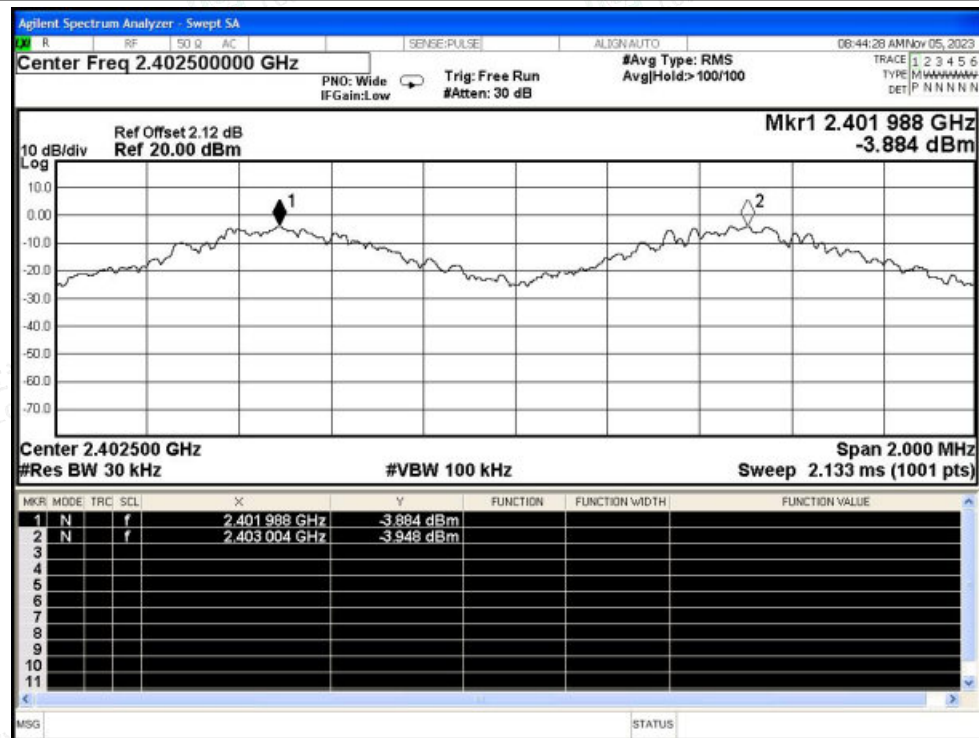


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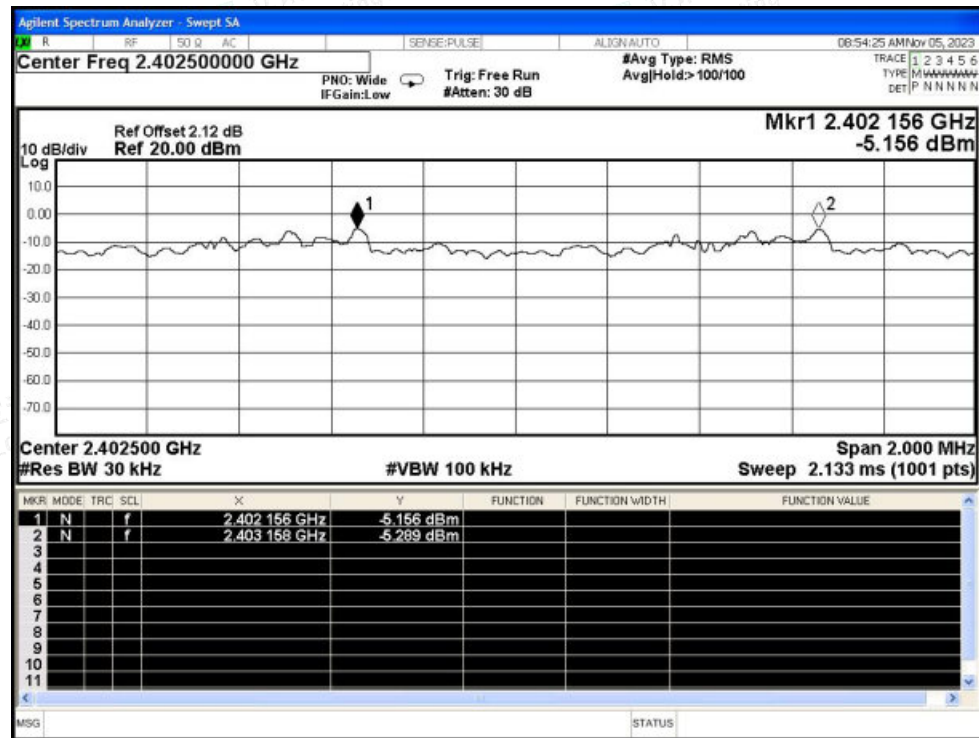


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1





A.4 Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.882	299.728	104	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.885	279.845	97	31600	400	Pass

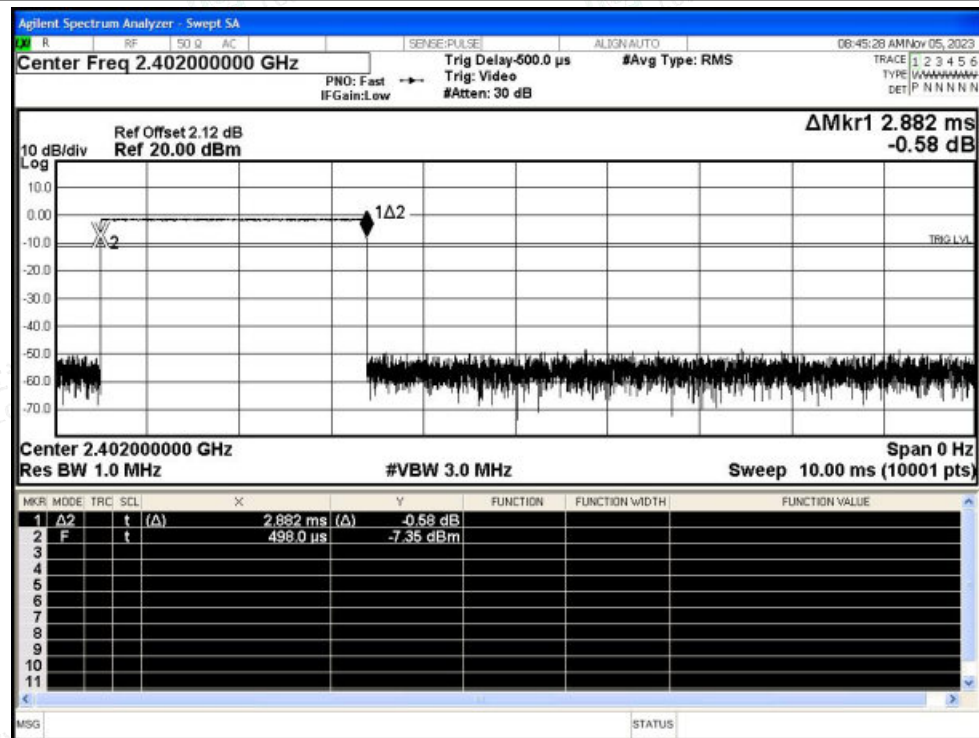


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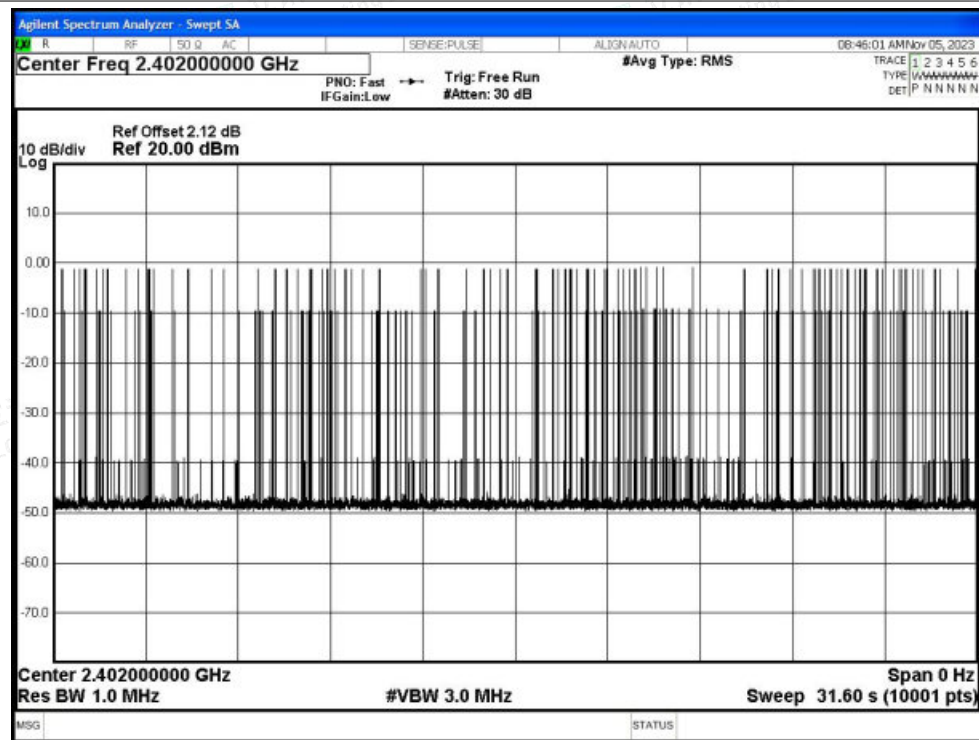


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

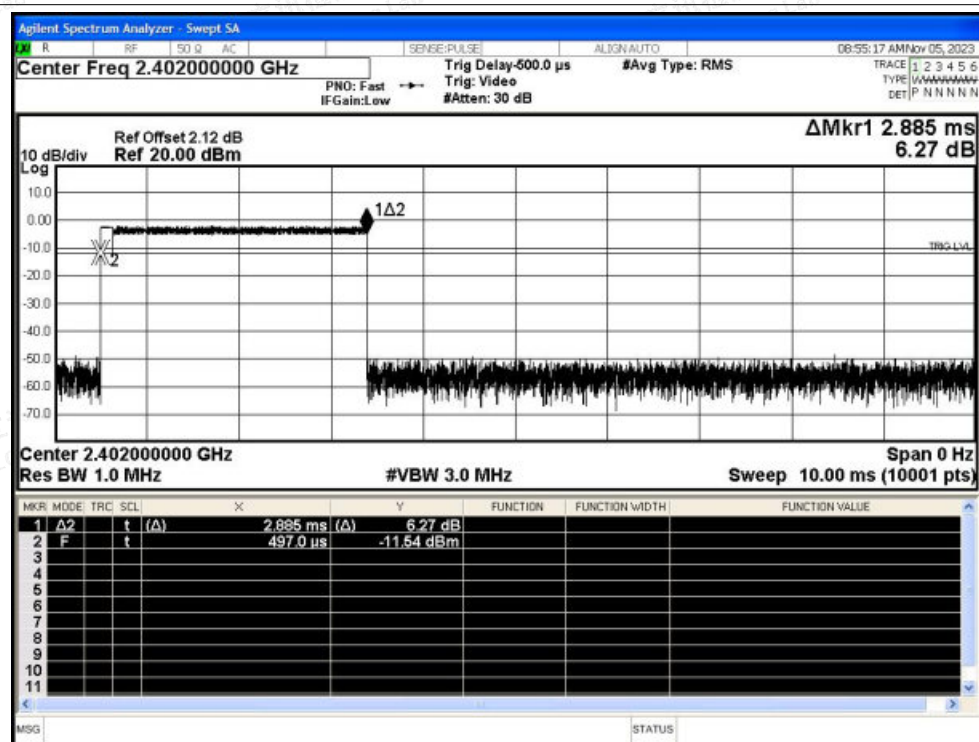


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

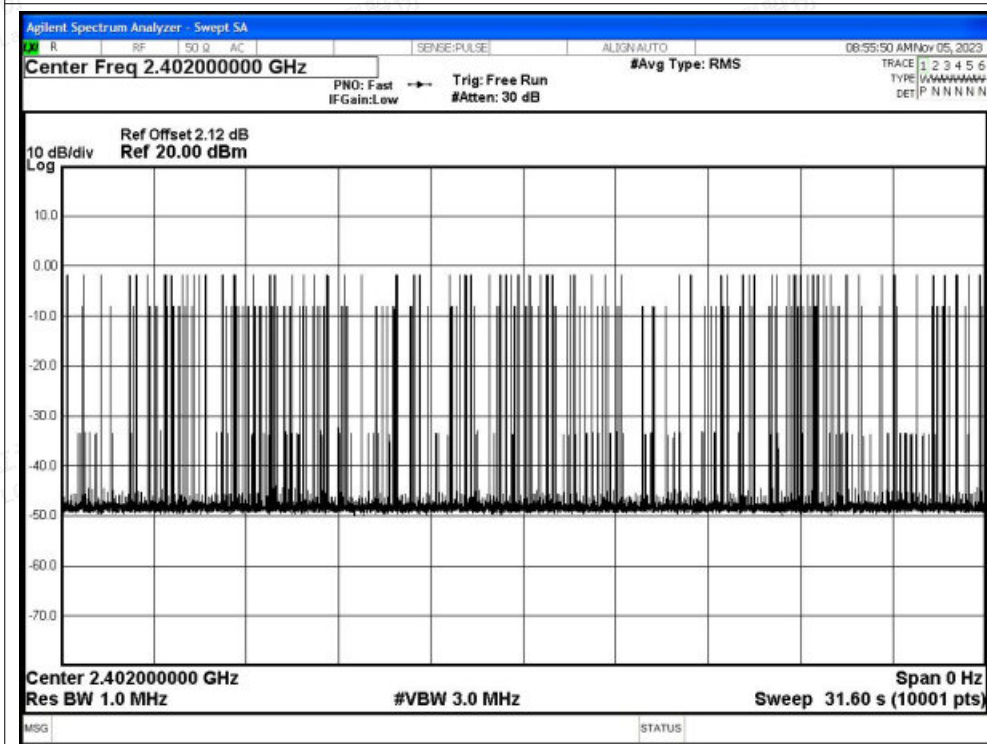




Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated





A.5 Number of Hopping Channel

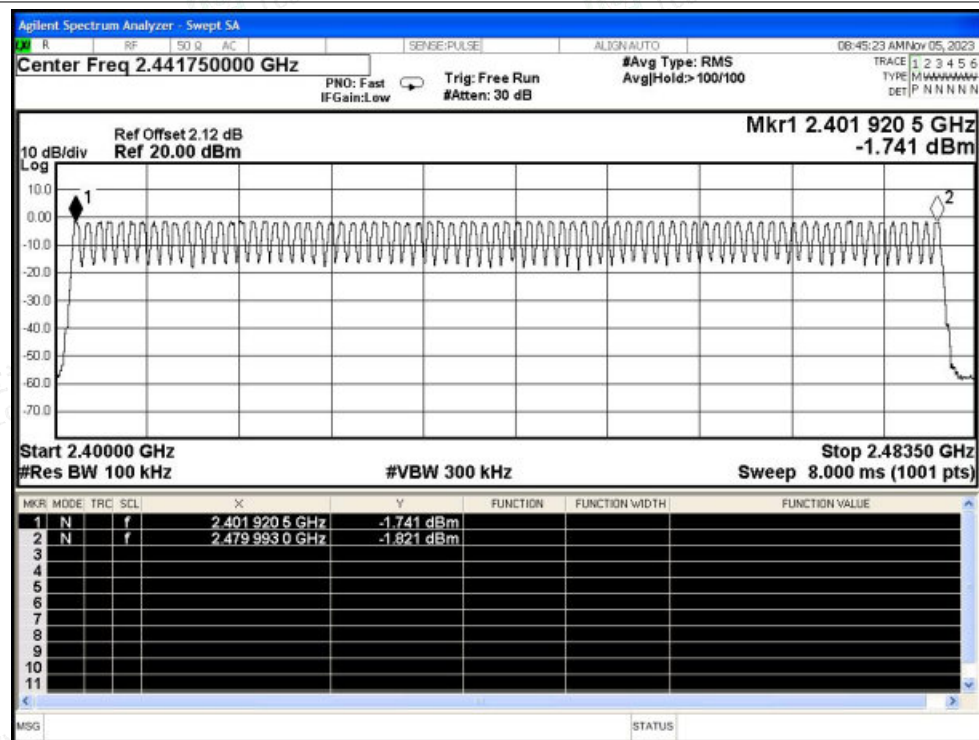
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass



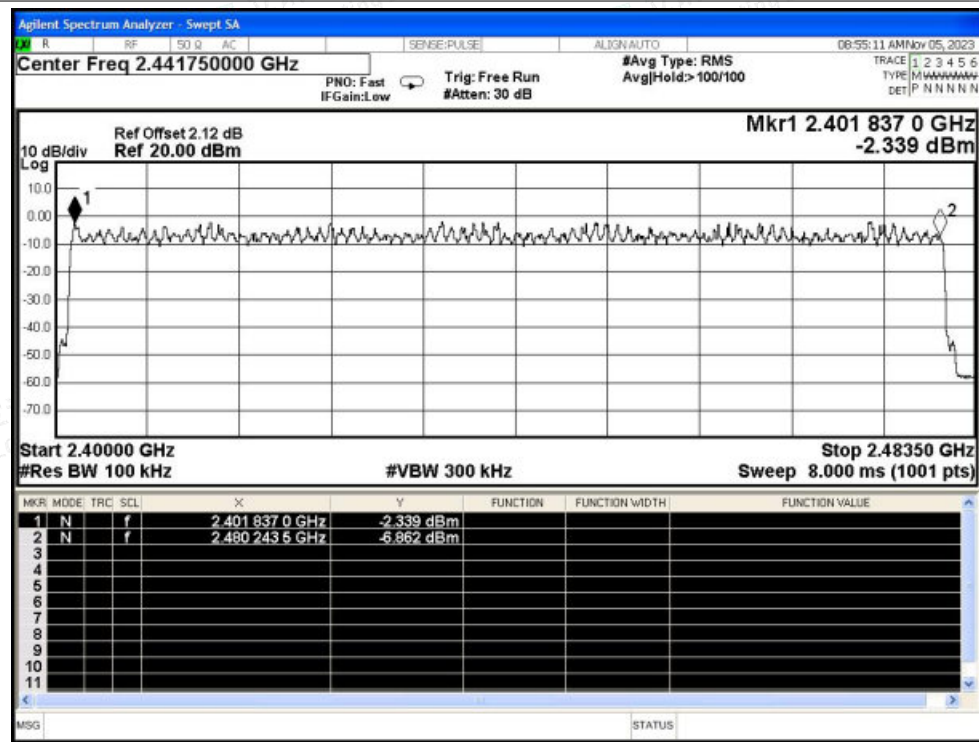


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1





A.6 Band Edge

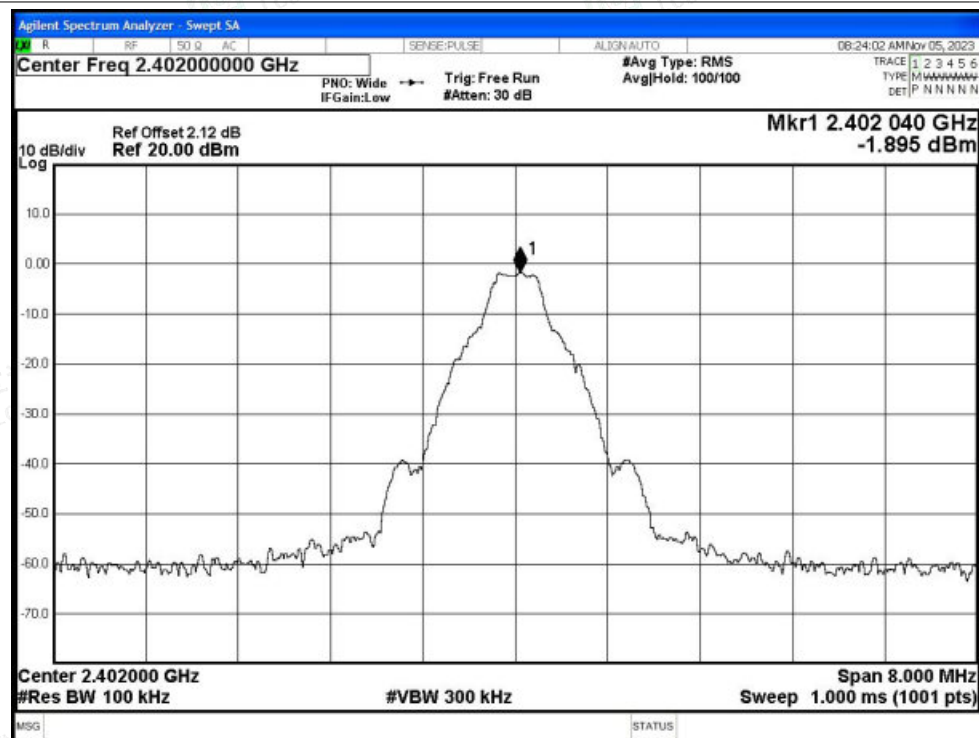
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-54.72	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-56.05	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-52.96	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-52.36	-20	Pass



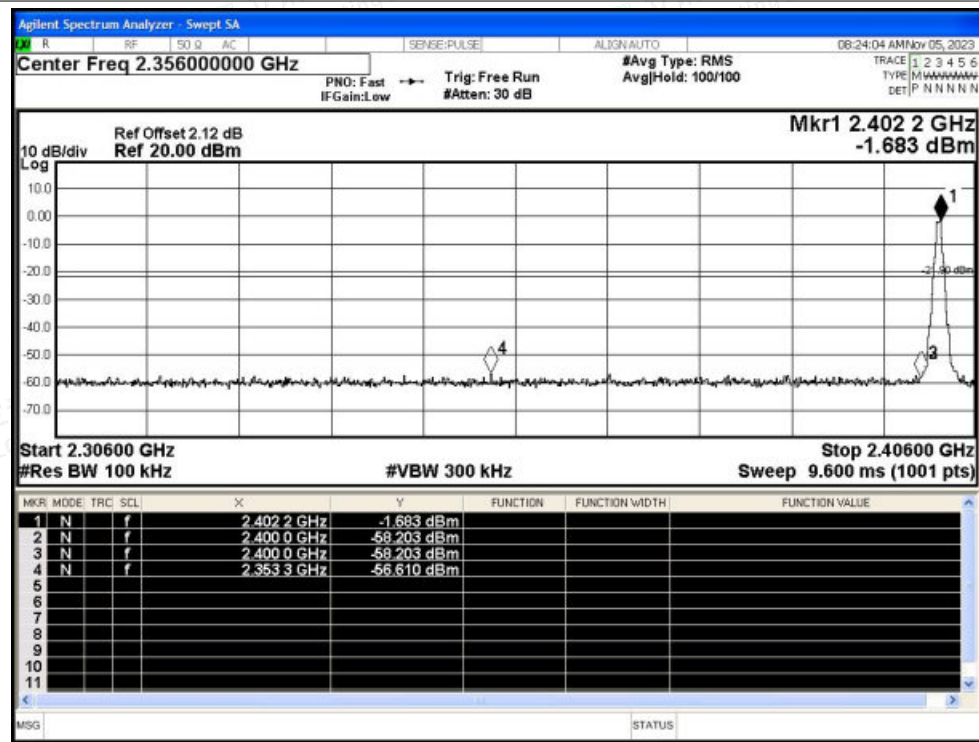


Test Graphs

Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref

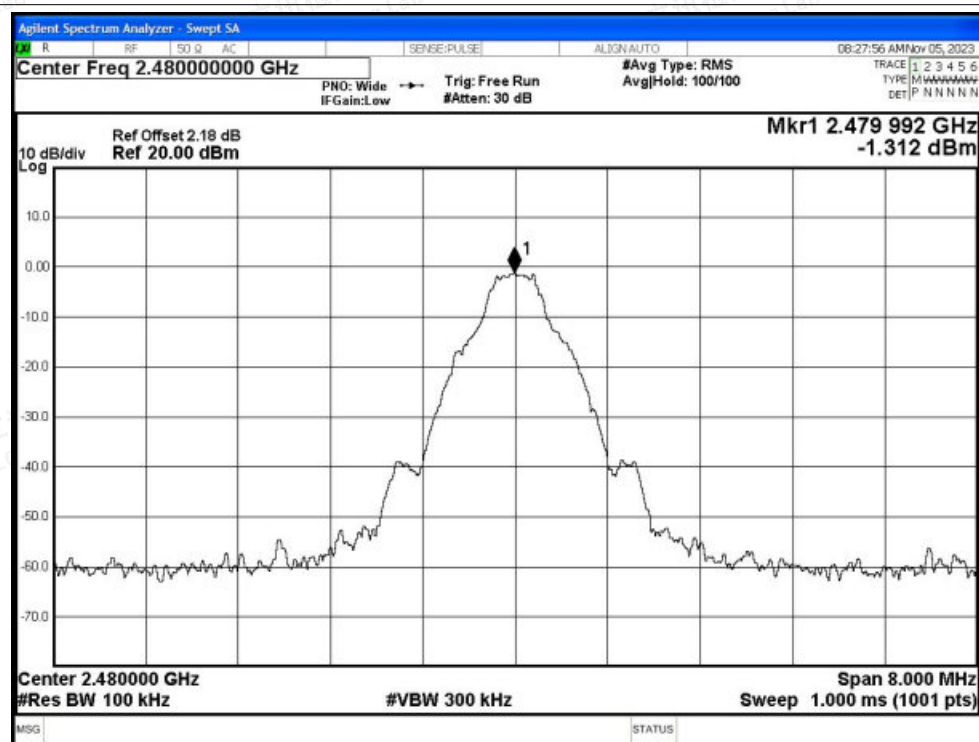


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

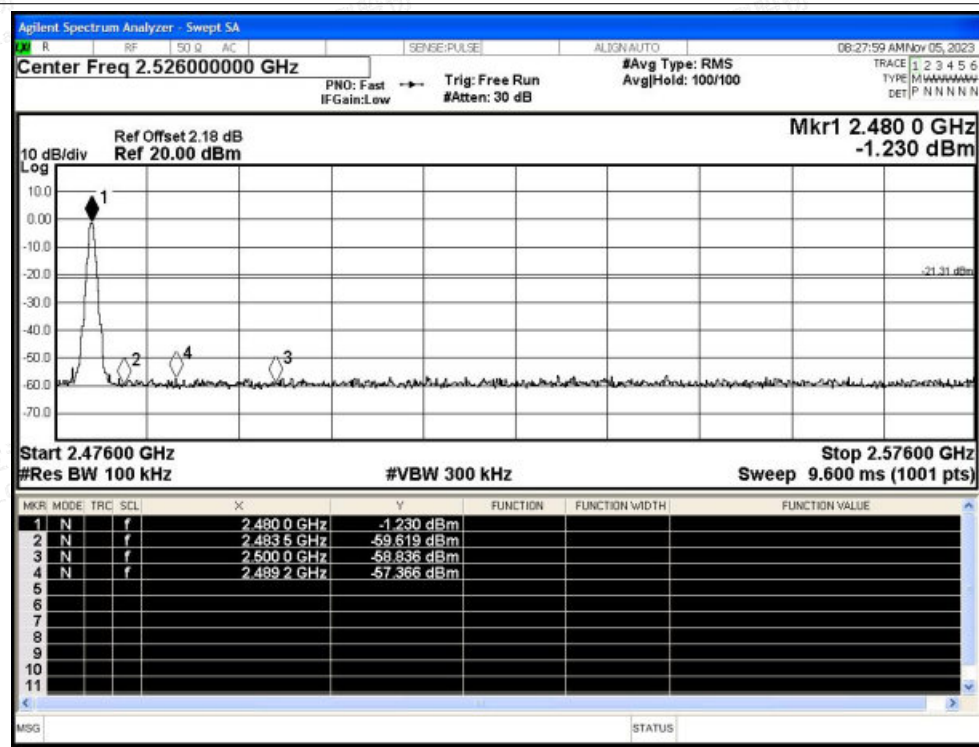




Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

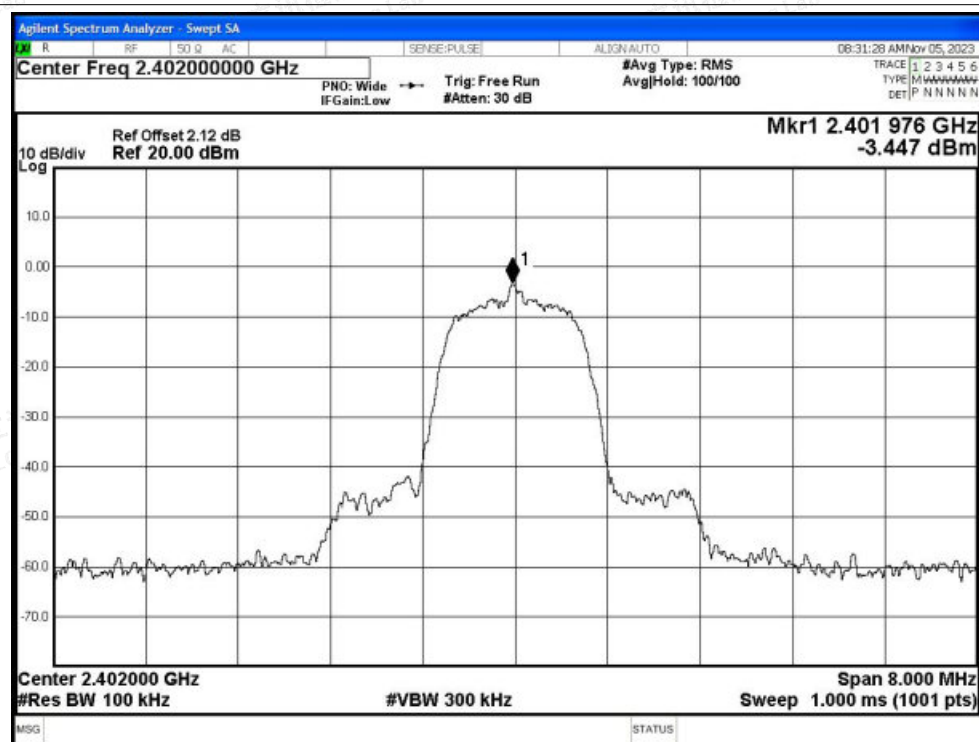


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

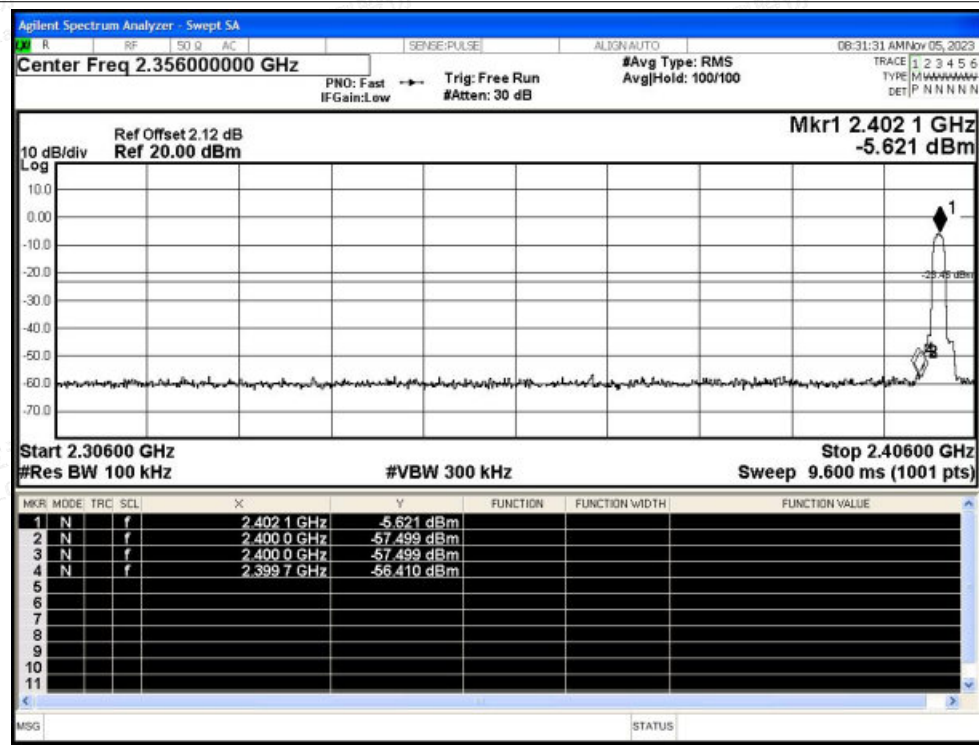




Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



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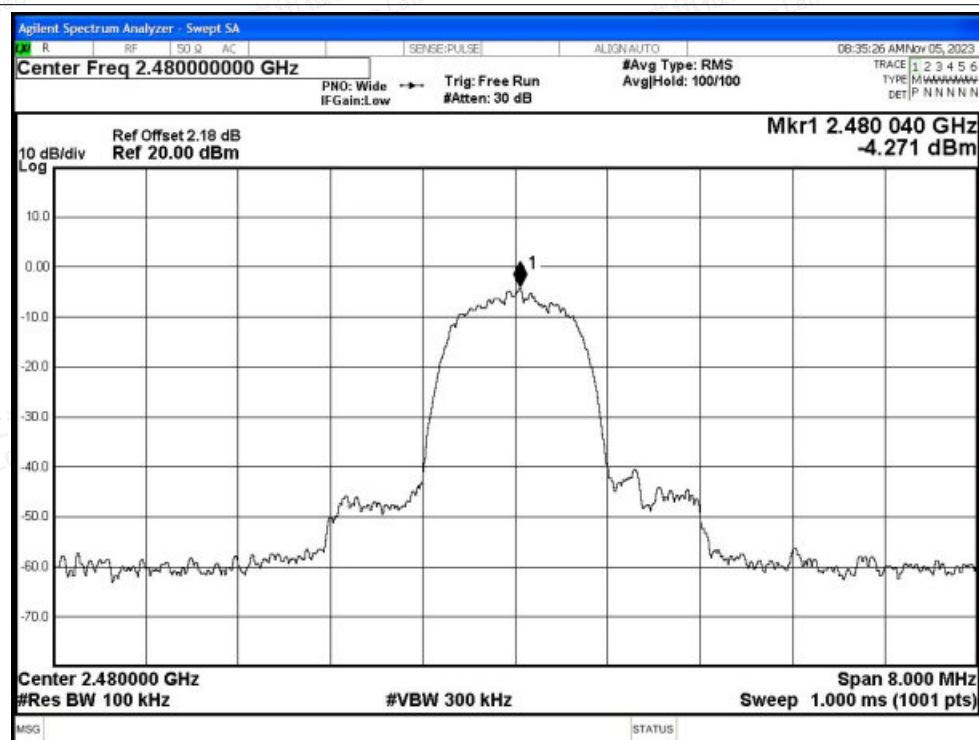
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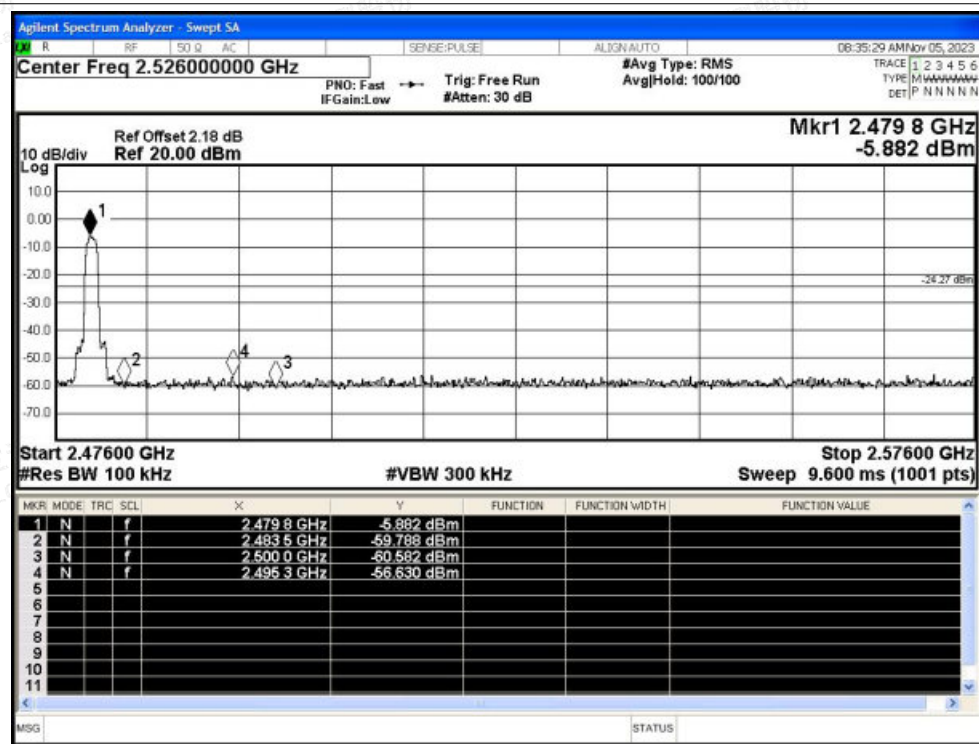
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Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



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**(Hopping)**

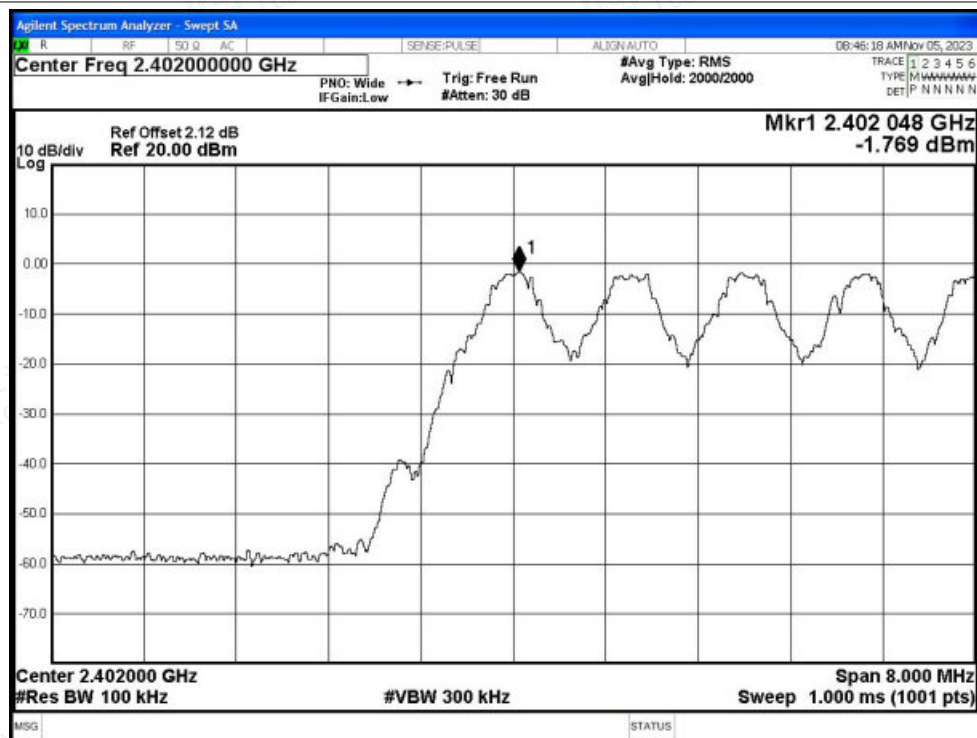
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-54.38	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-54.24	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-53.72	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-53.59	-20	Pass



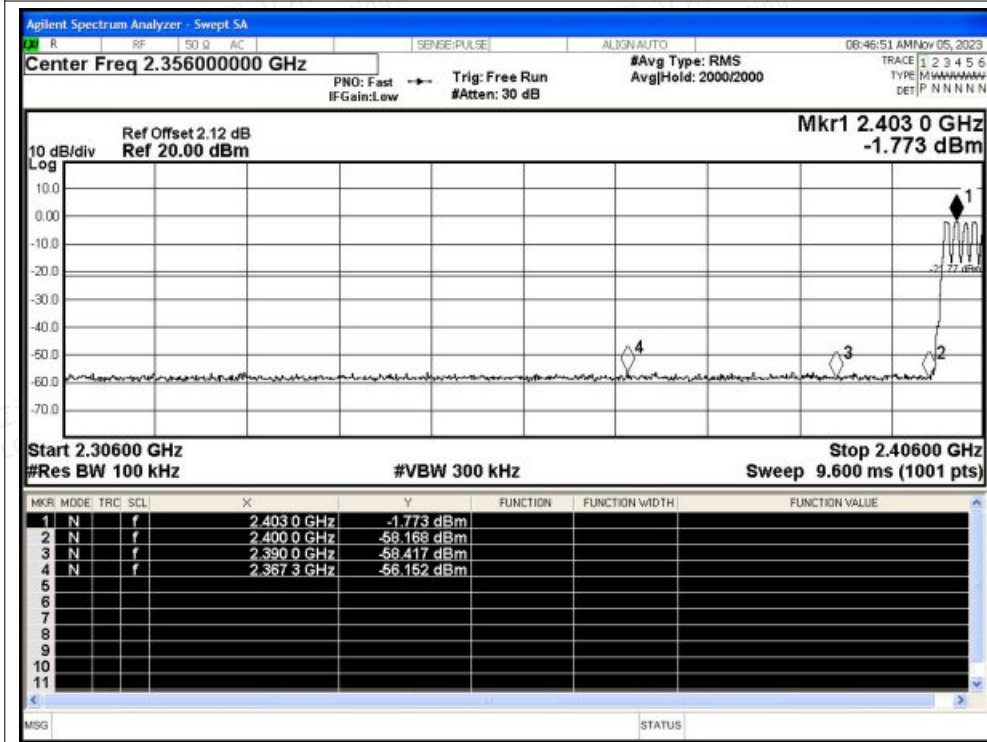


Test Graphs

Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



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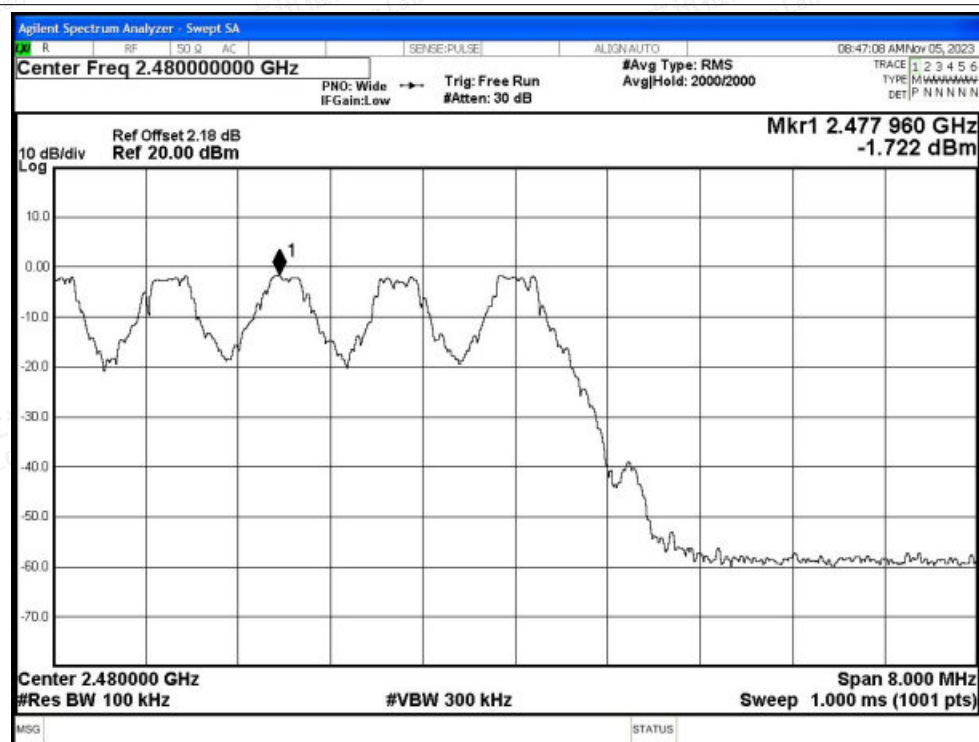
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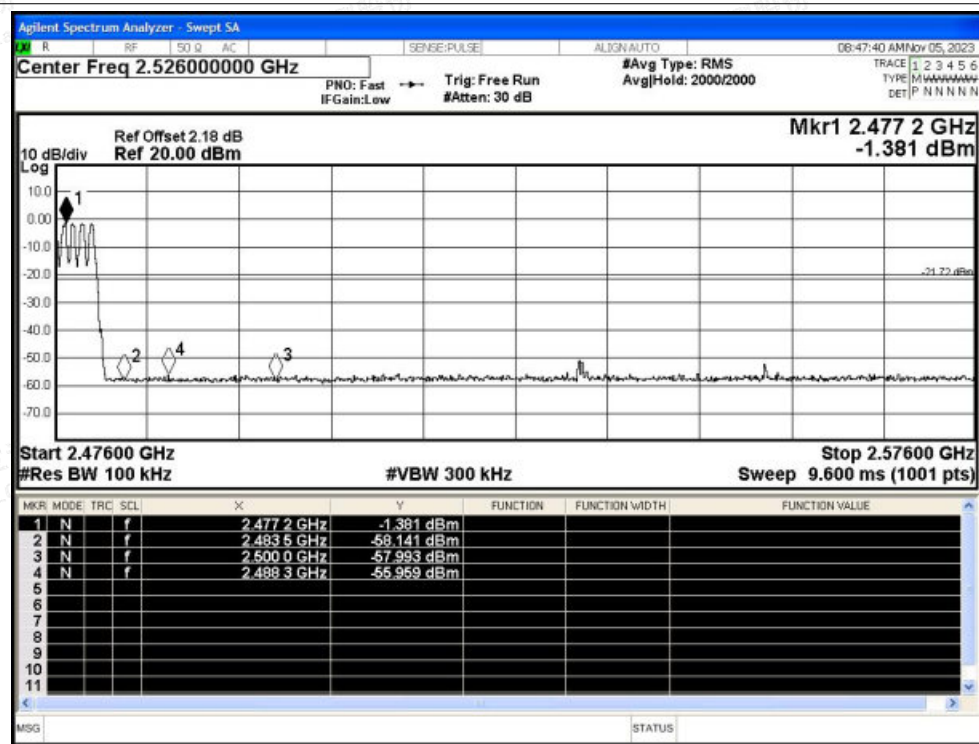
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Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

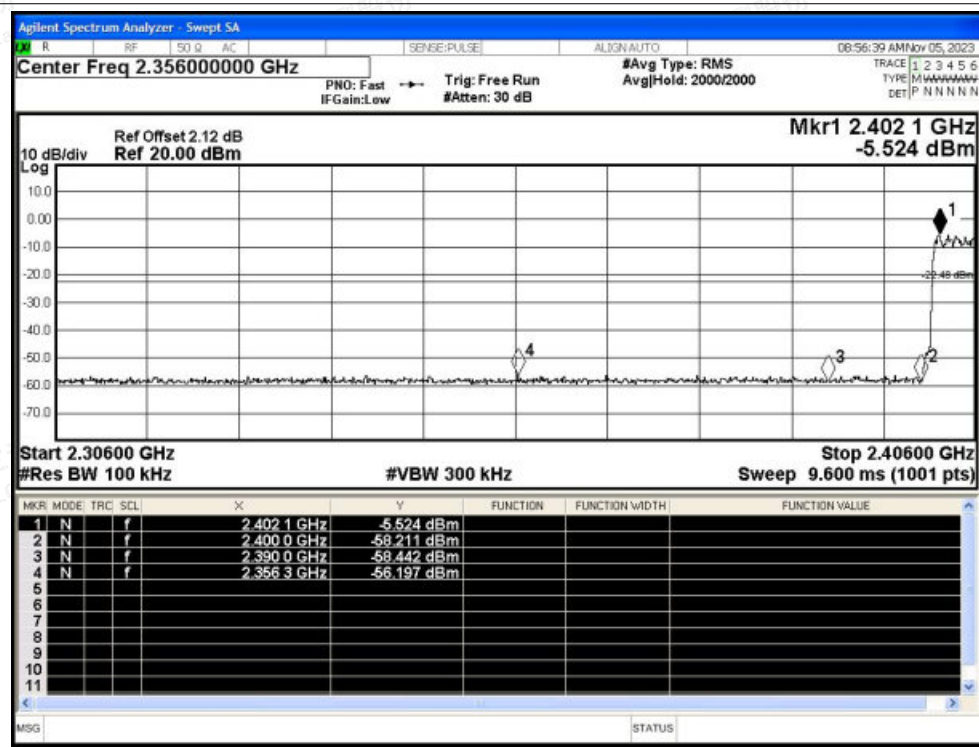




Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



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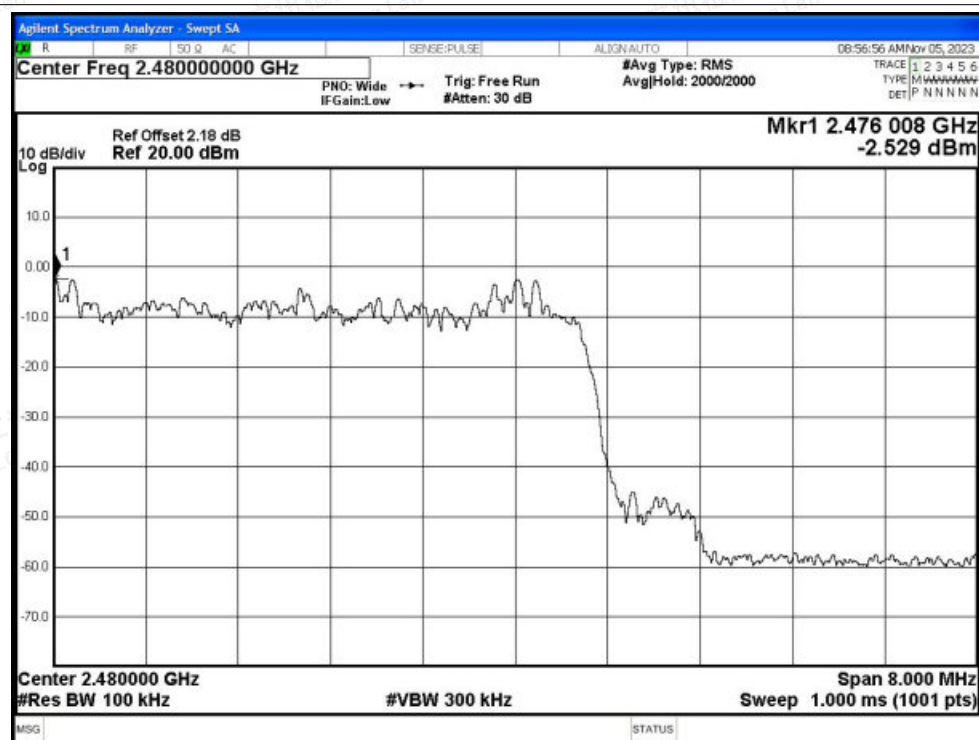
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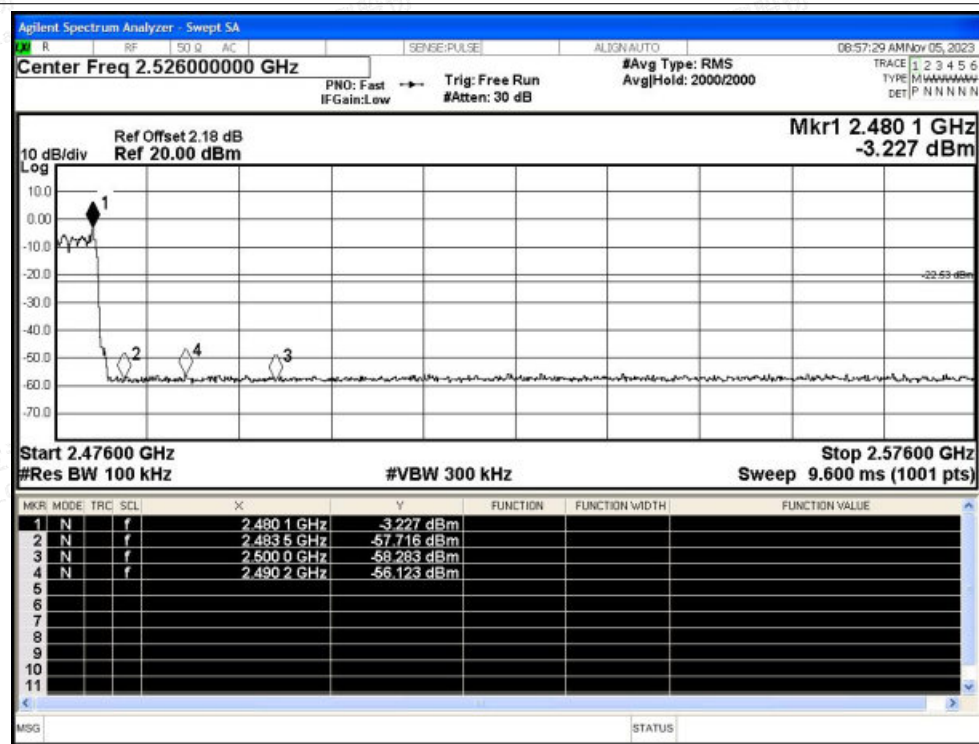
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Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission



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A.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-53.51	-20	Pass
NVNT	1-DH5	2441	Ant1	-53.07	-20	Pass
NVNT	1-DH5	2480	Ant1	-53.34	-20	Pass
NVNT	2-DH5	2402	Ant1	-52.55	-20	Pass
NVNT	2-DH5	2441	Ant1	-52.66	-20	Pass
NVNT	2-DH5	2480	Ant1	-52.07	-20	Pass

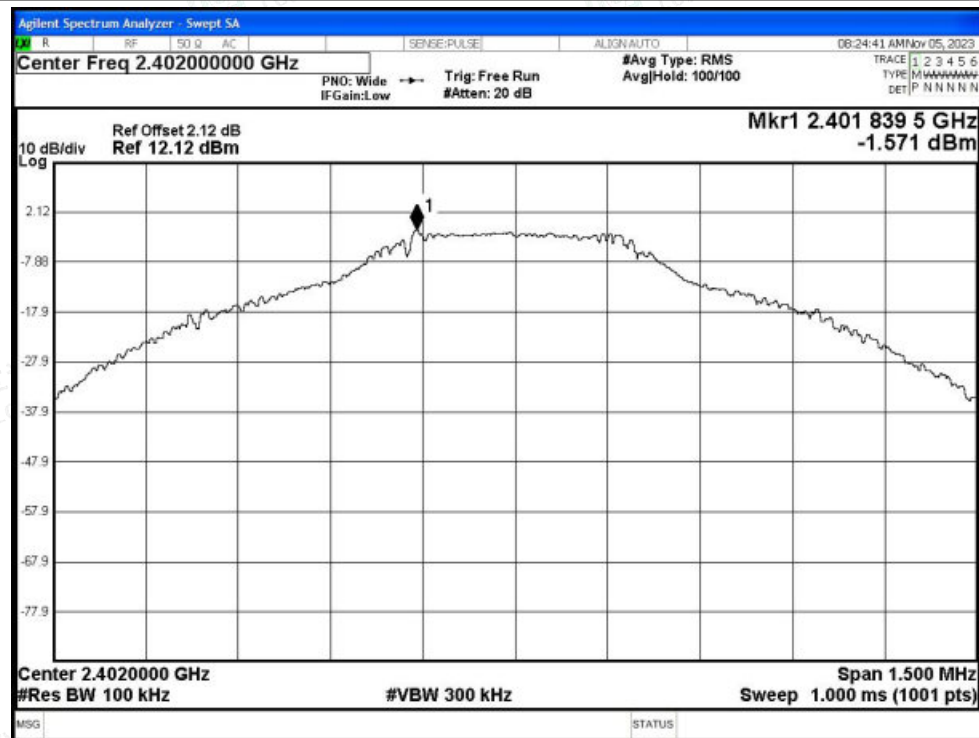


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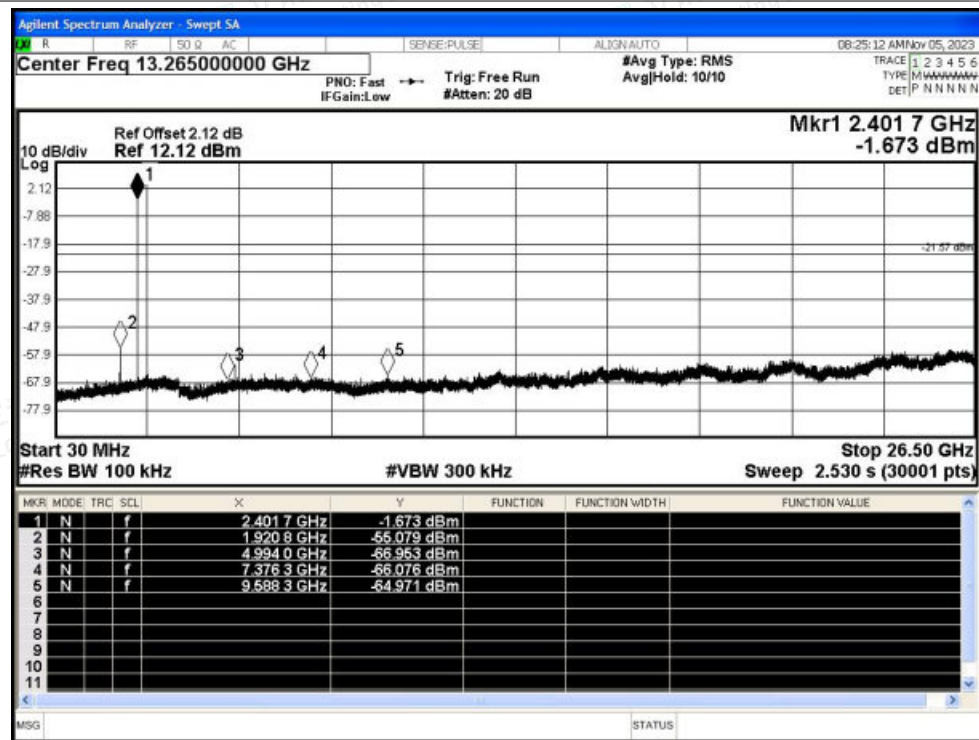


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

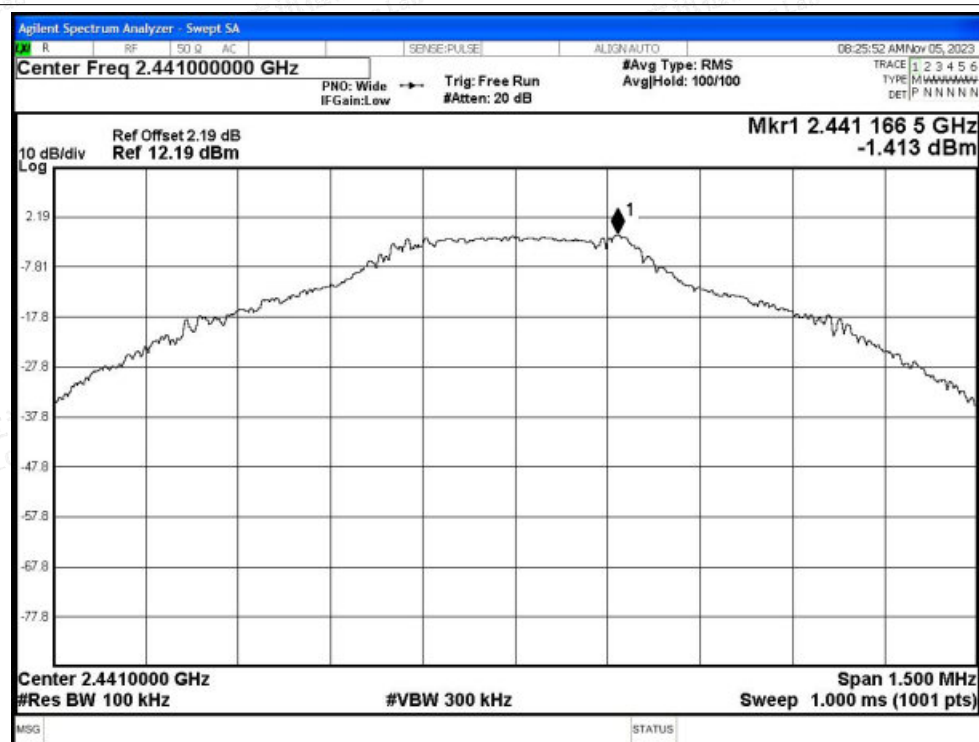


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

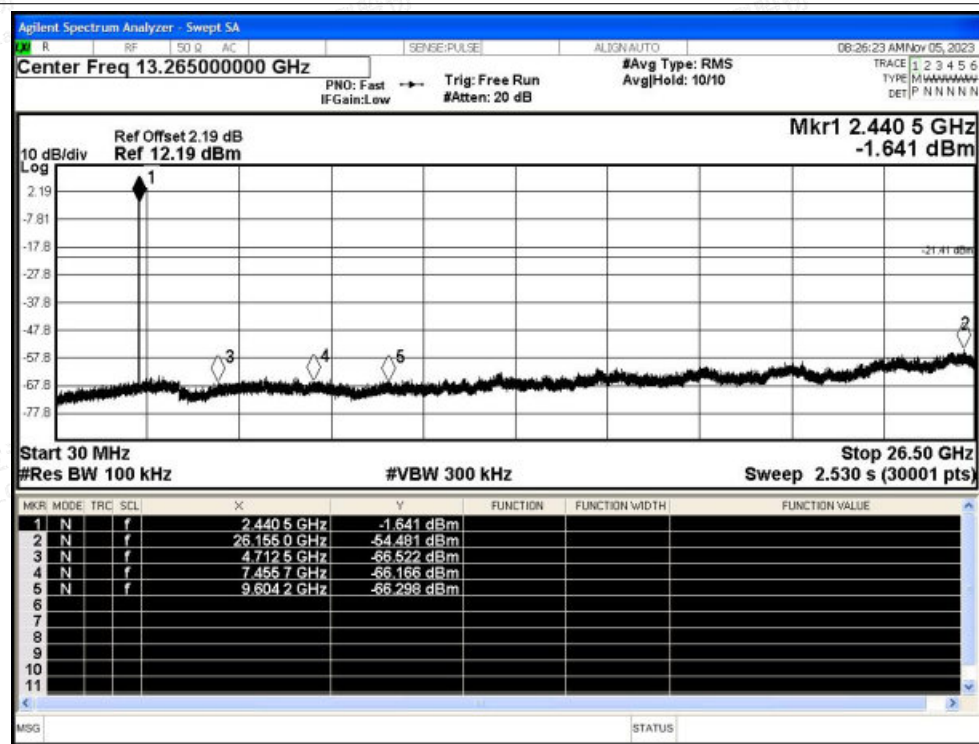




Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref

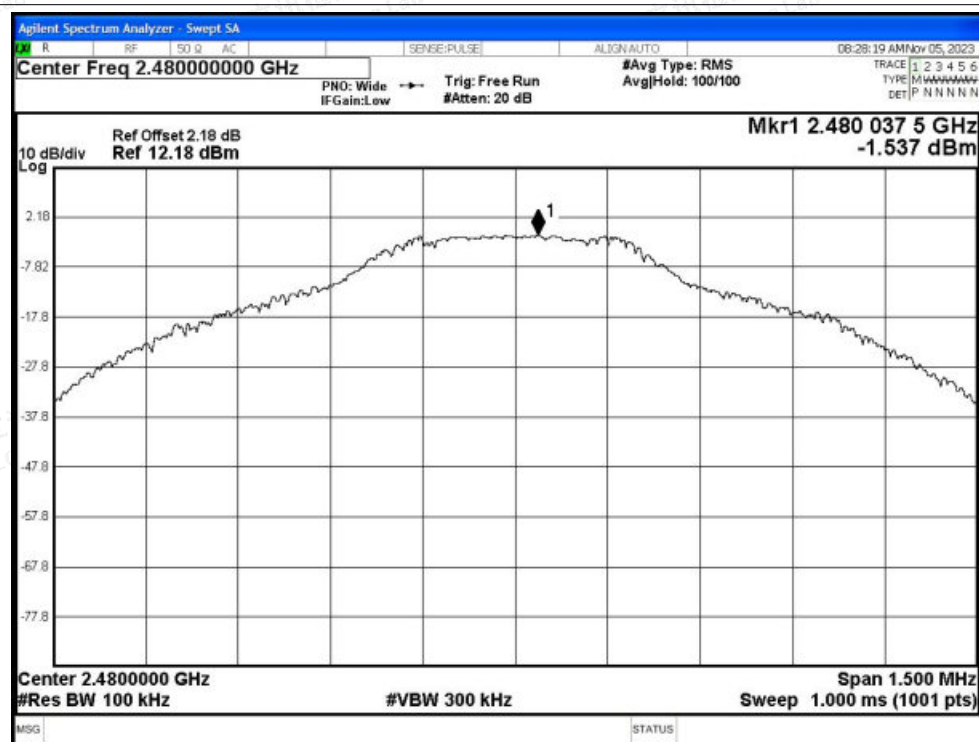


Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission

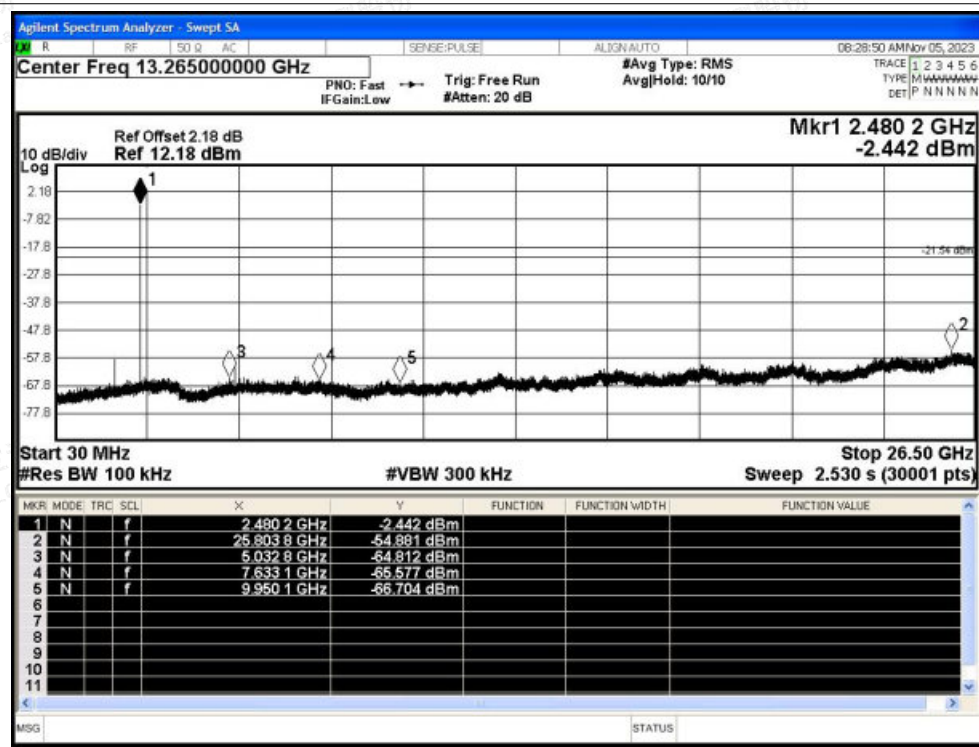




Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

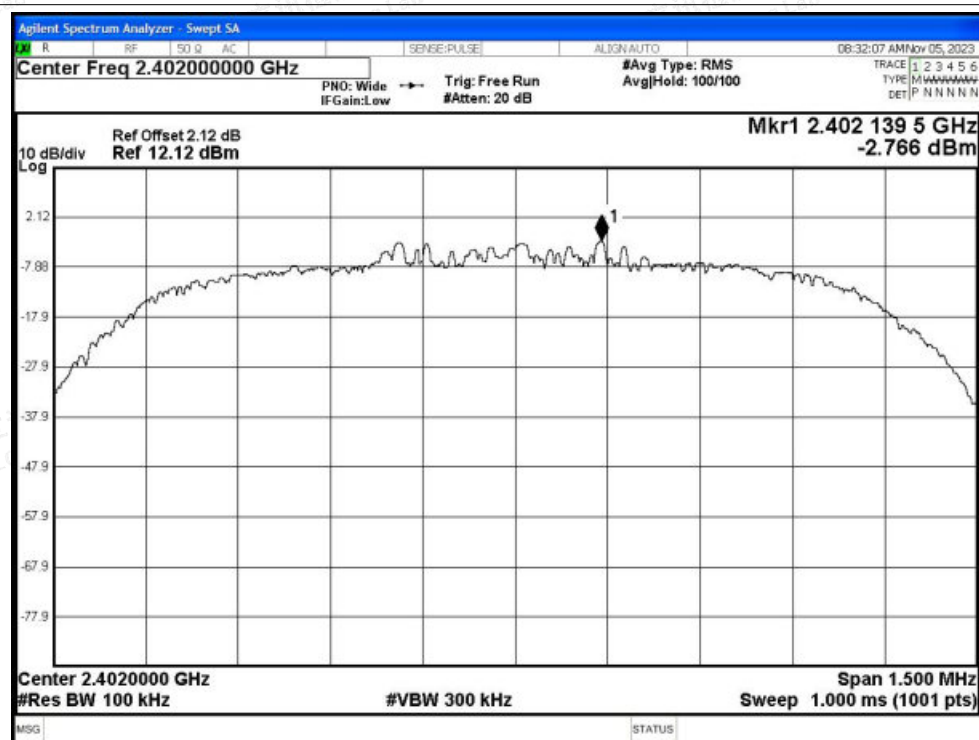


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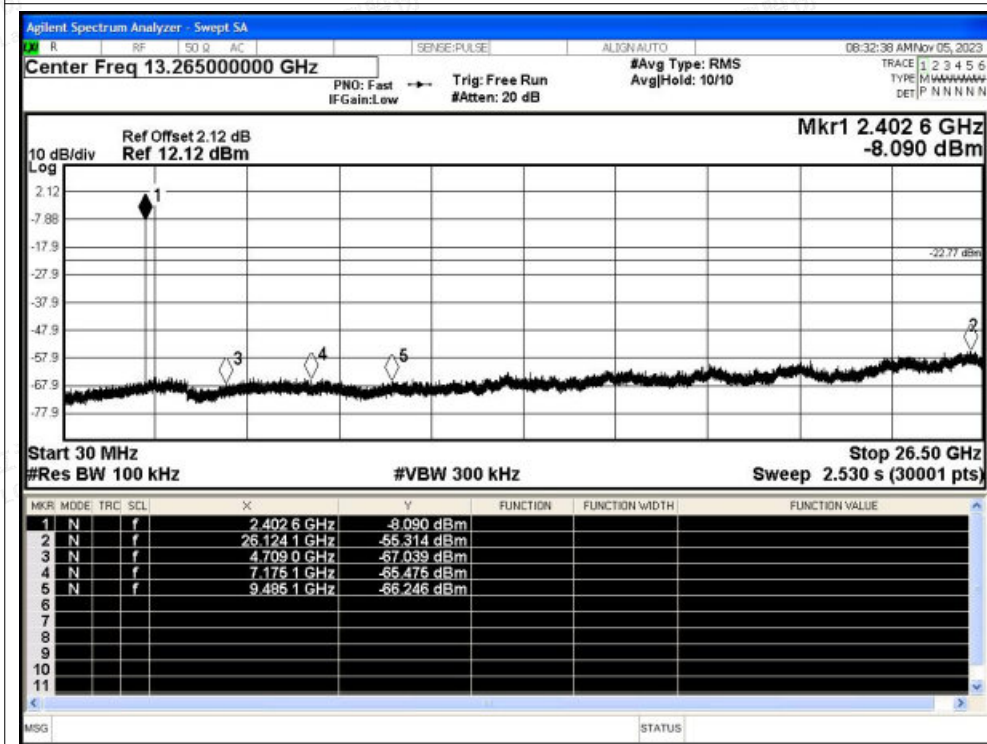




Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref

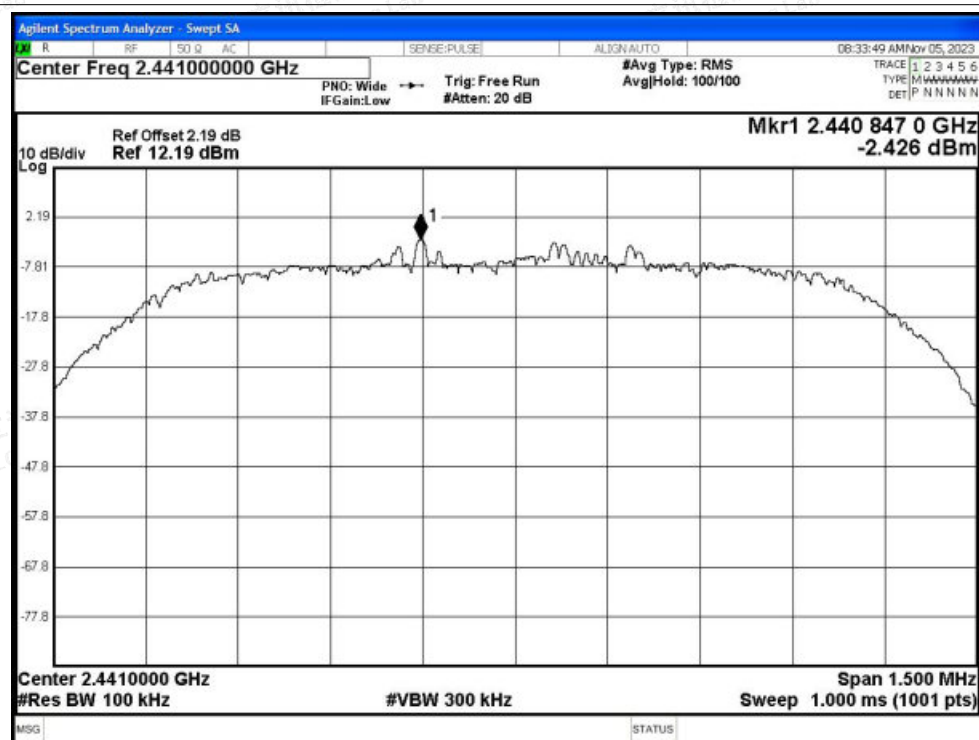


Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission

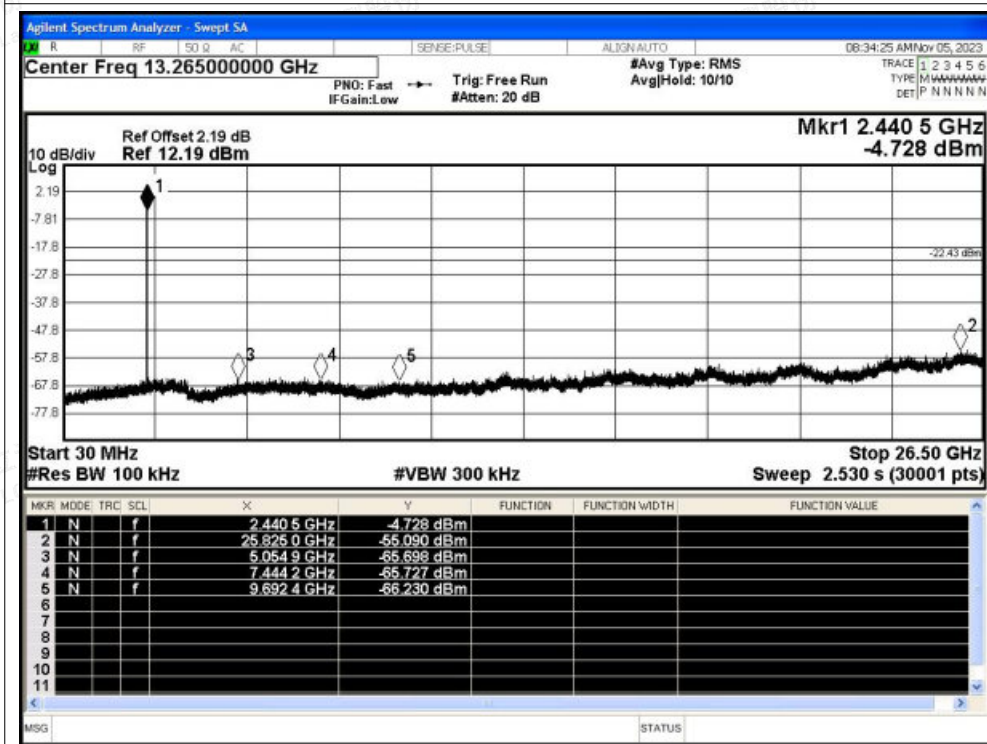




Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



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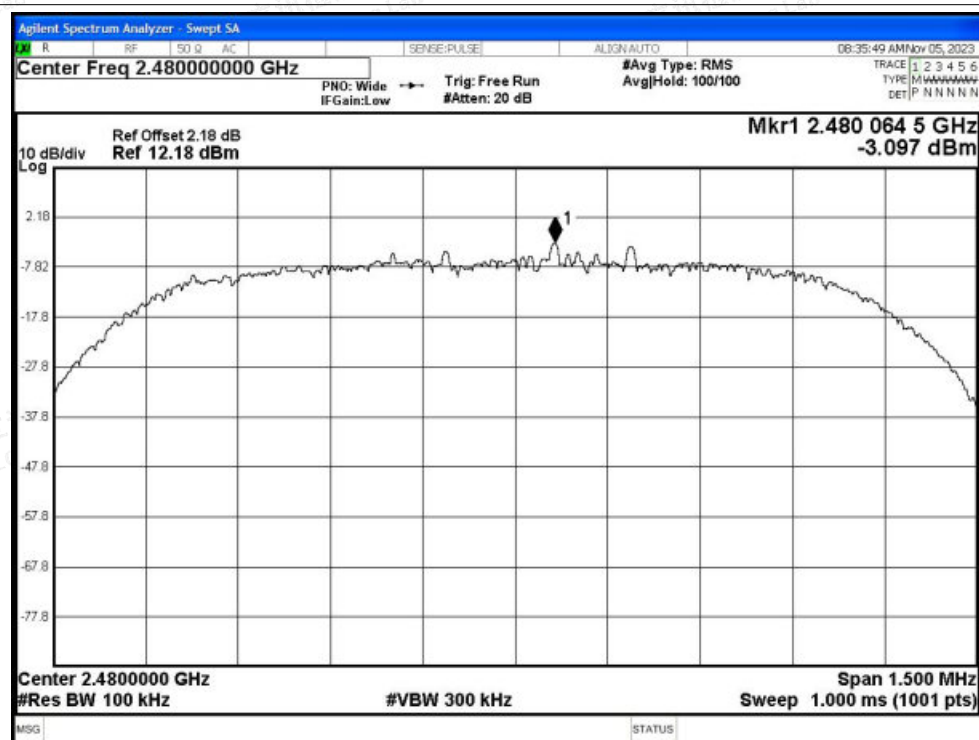
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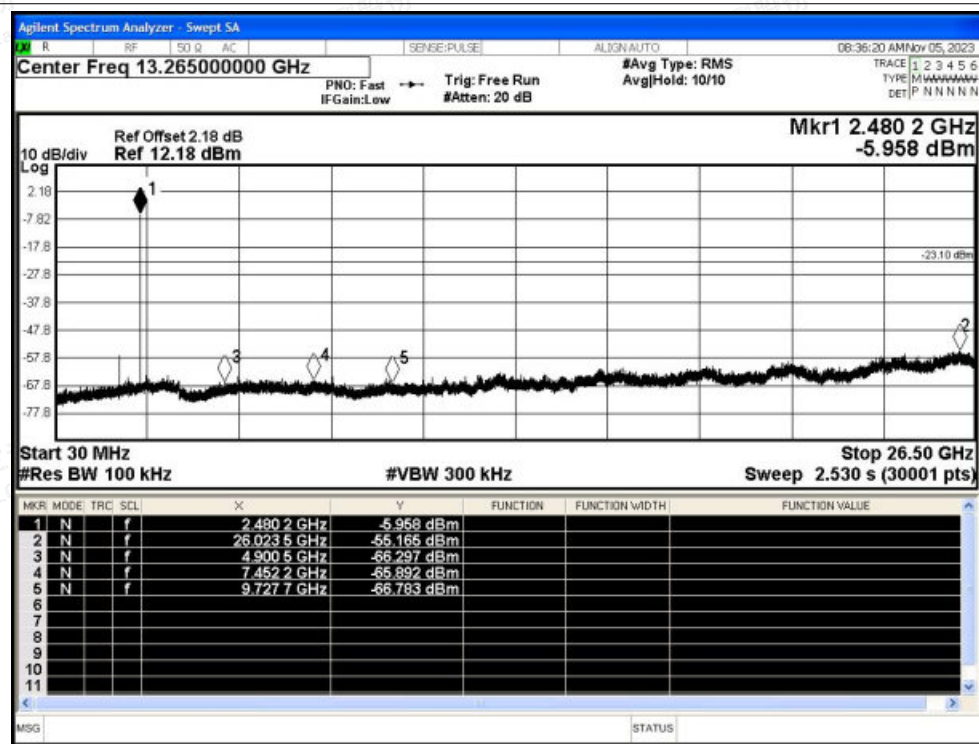
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Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission





A.8 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-50.32	2	46.94	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-57.74	2	39.52	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2388.816	-47.02	2	50.24	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2388.816	-57.3	2	39.96	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-51.81	2	45.45	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-57.45	2	39.81	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-50.65	2	46.61	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-56.06	2	41.2	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2498.464	-47.03	2	50.23	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.512	-56.06	2	41.2	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-50.79	2	46.47	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-57.05	2	40.21	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-49.63	2	47.63	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-57.75	2	39.51	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2376.144	-46.89	2	50.37	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2387.568	-57.26	2	40	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-48.57	2	48.69	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-57.38	2	39.88	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-49.52	2	47.74	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-55.92	2	41.34	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2497.744	-47.26	2	50	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-55.92	2	41.34	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-48.94	2	48.32	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-57.11	2	40.15	Average	54	Pass

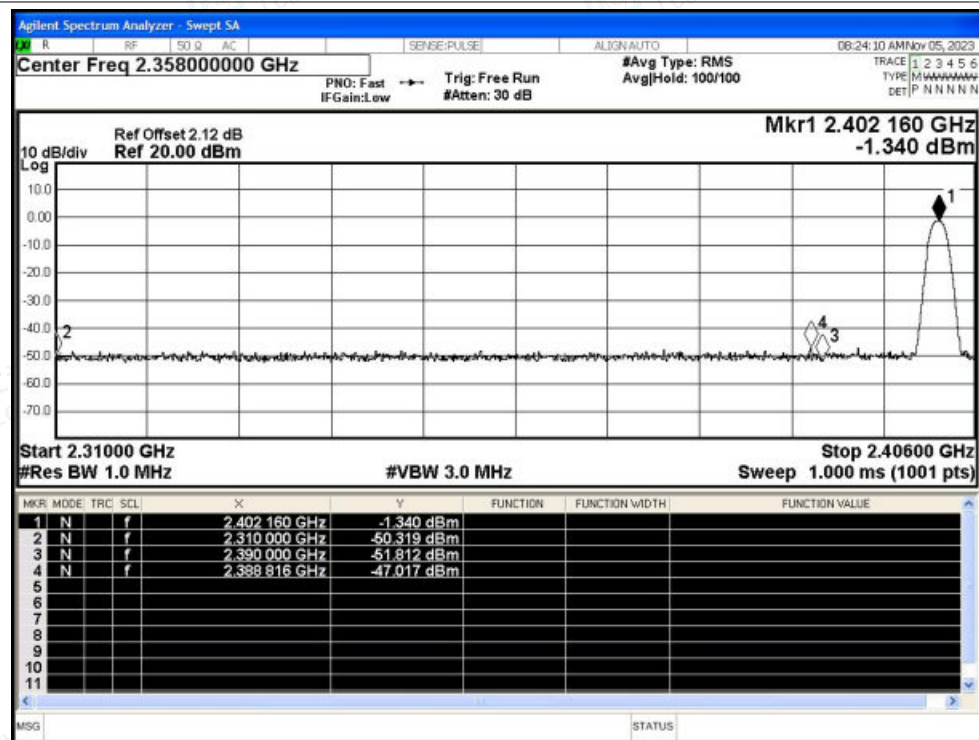


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Scan code to check authenticity

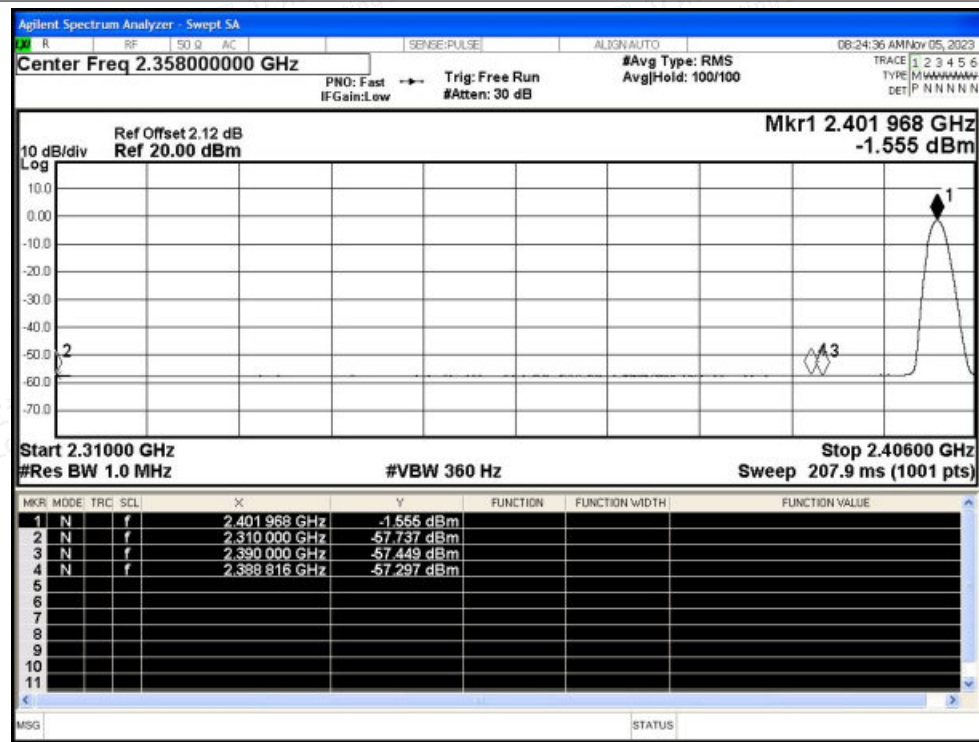


Test Graphs

Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Peak

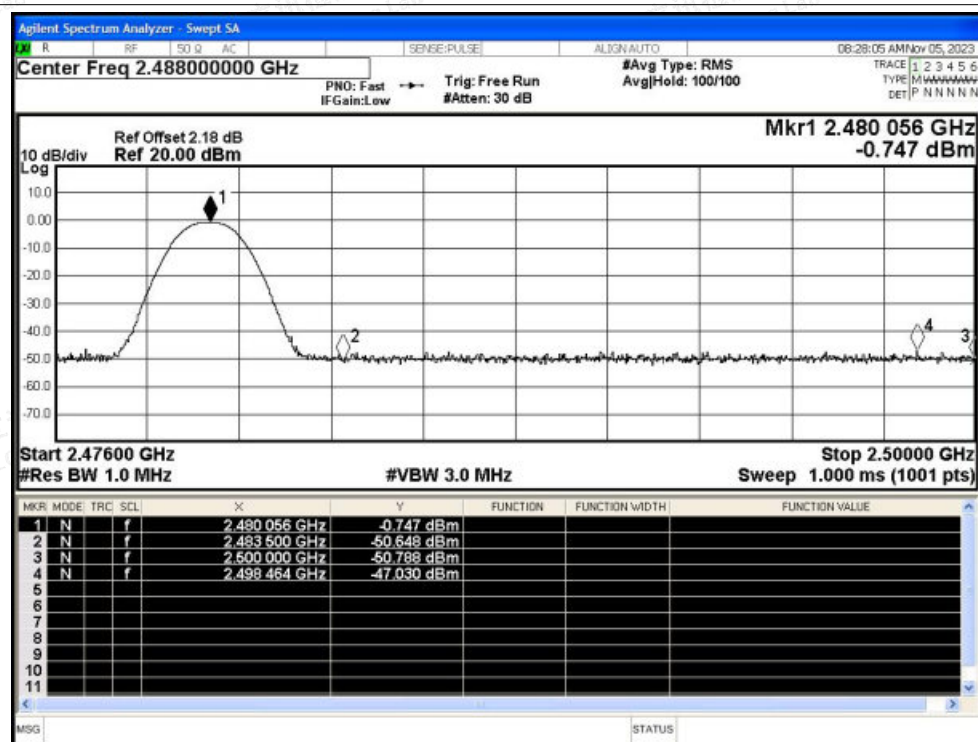


Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average

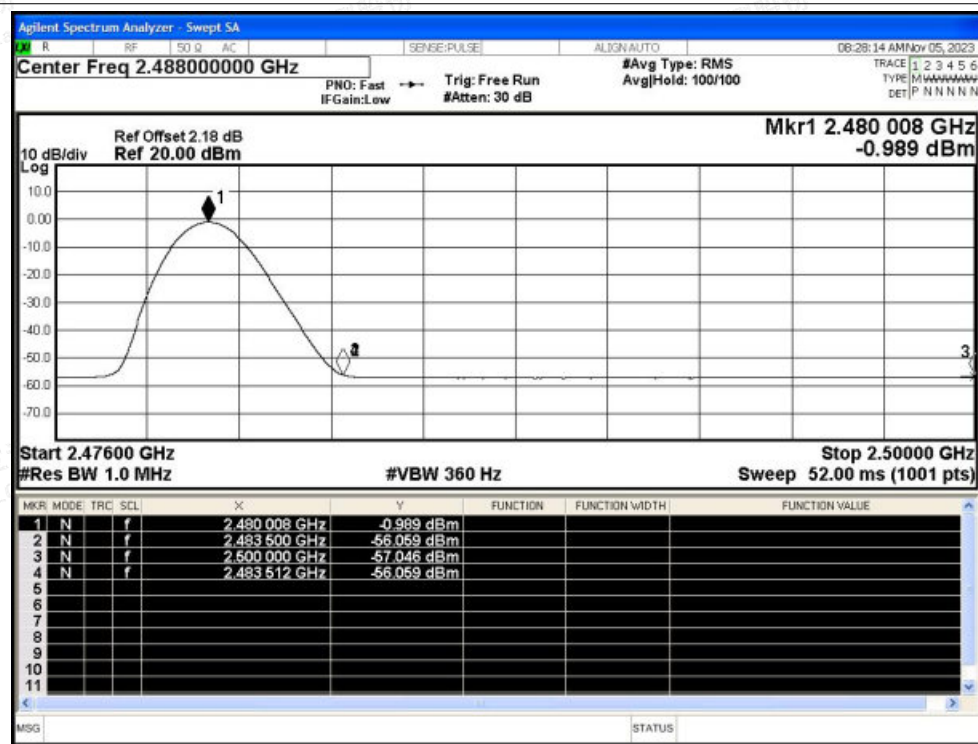




Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

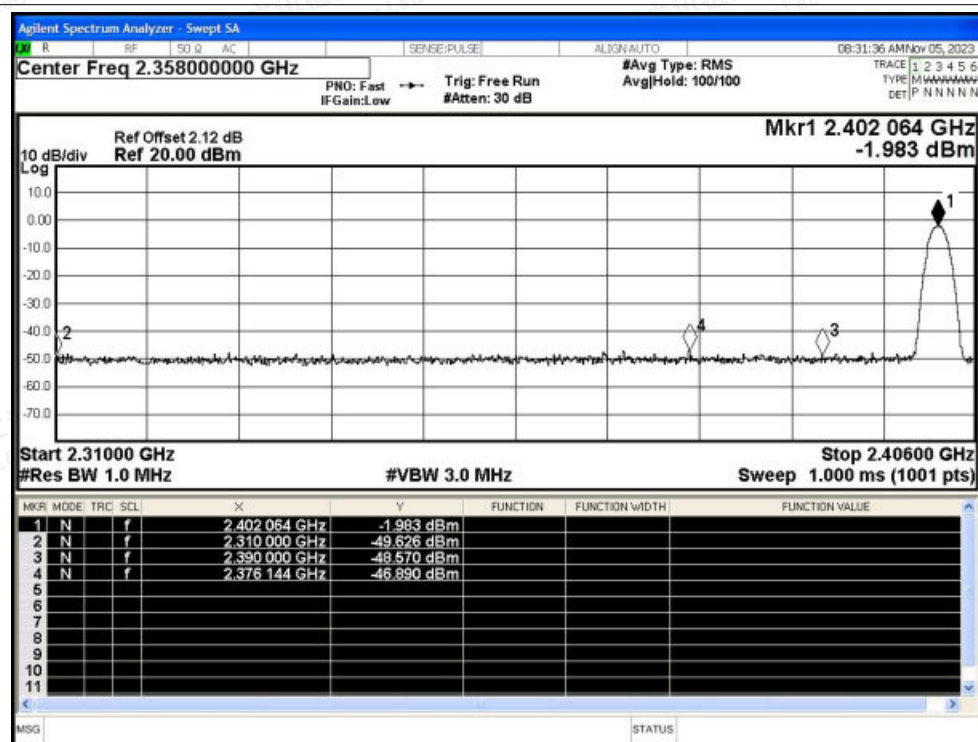


Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average

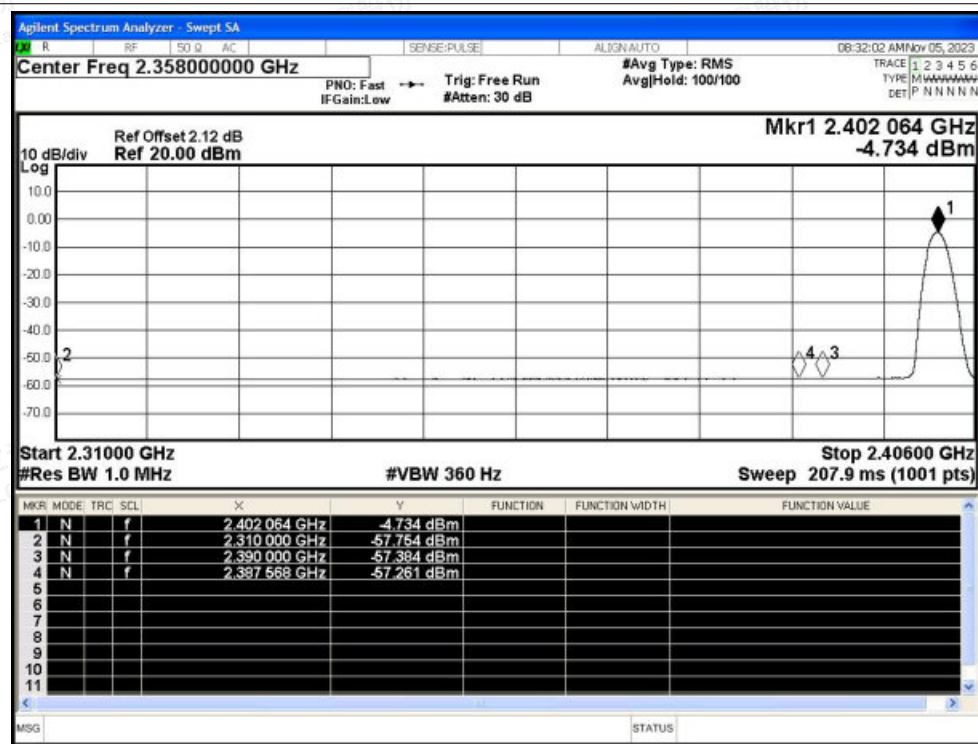




Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak

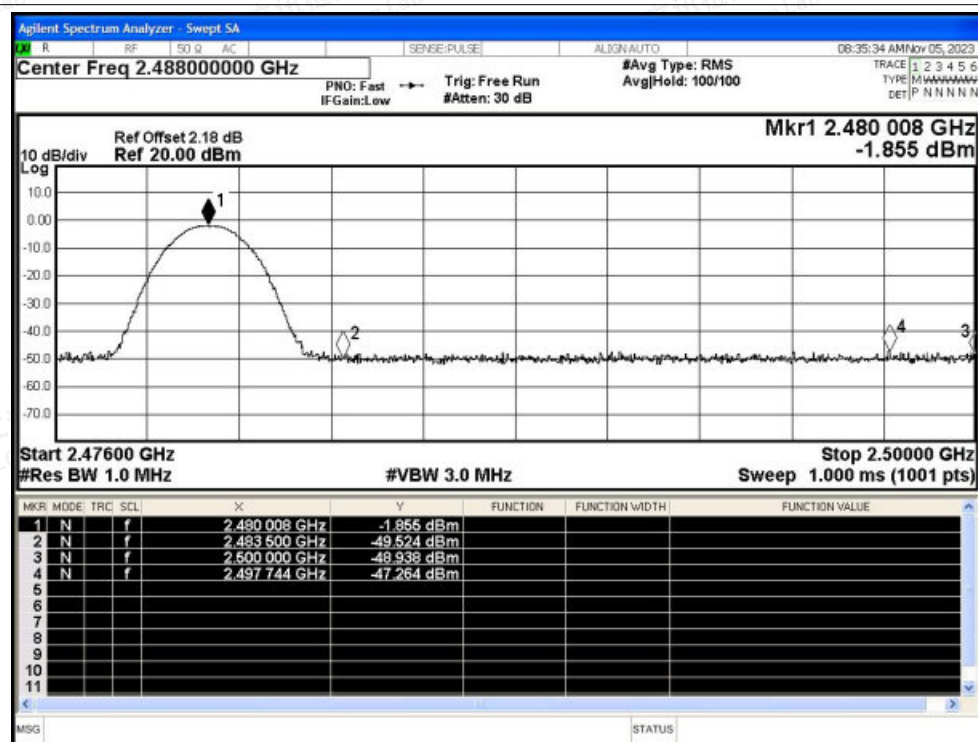


Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average





Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak



Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Average

