



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: 10.1 inch Tablet with Windows OS

Test Model: SC-5032WKB

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng





A.1 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.847	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.84	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.848	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.259	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.283	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.281	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.257	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.265	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.284	N/A	Pass



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Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

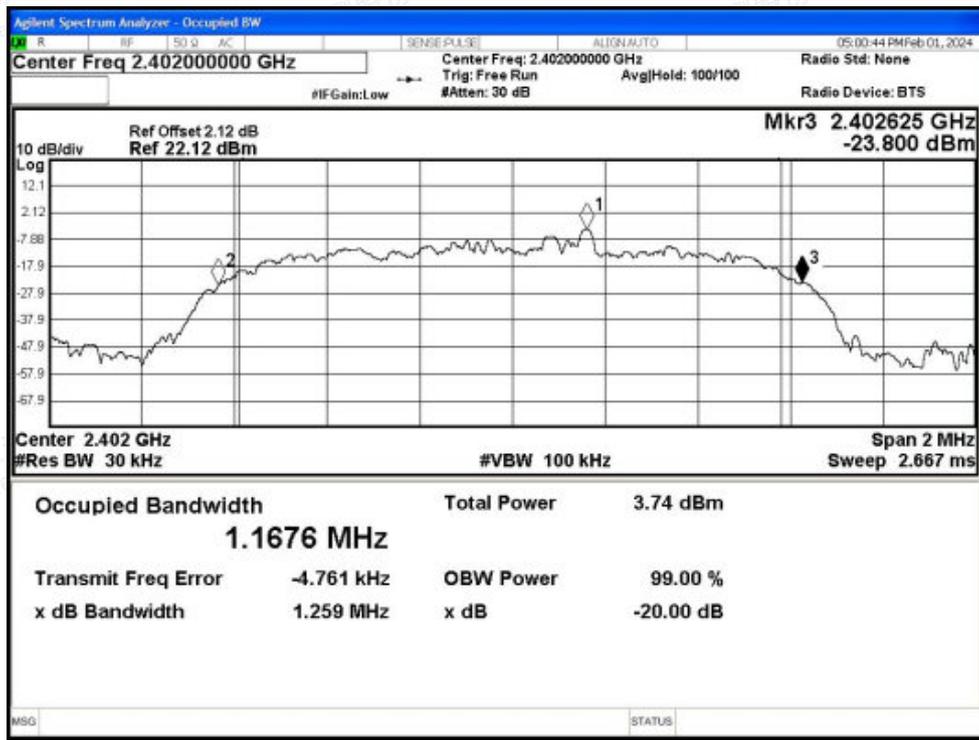




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

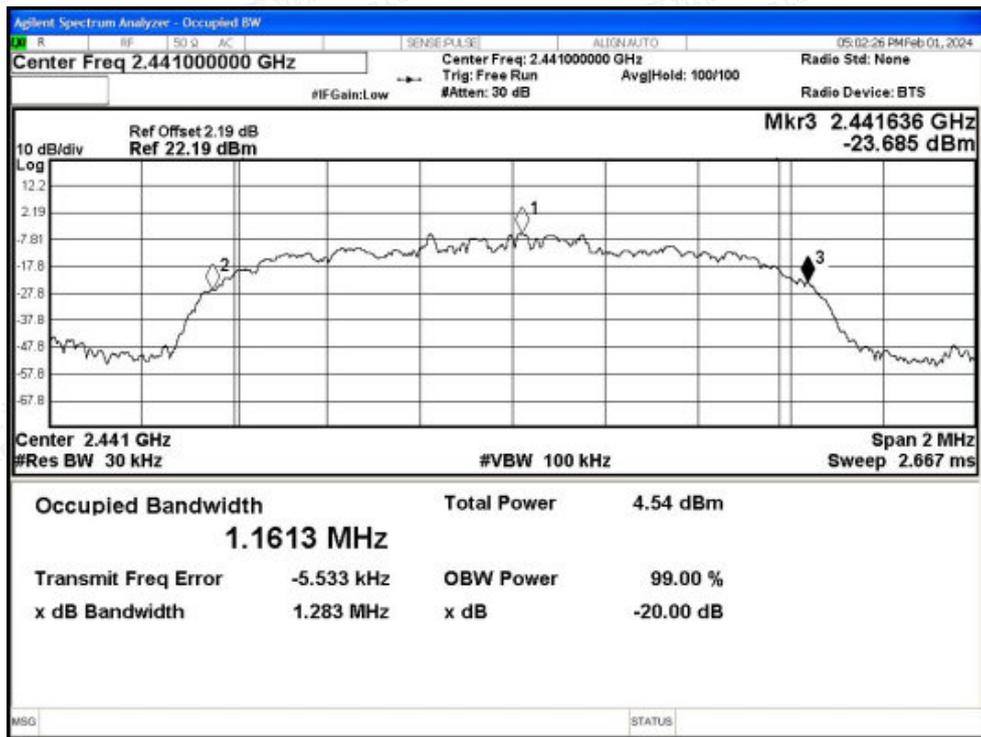


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

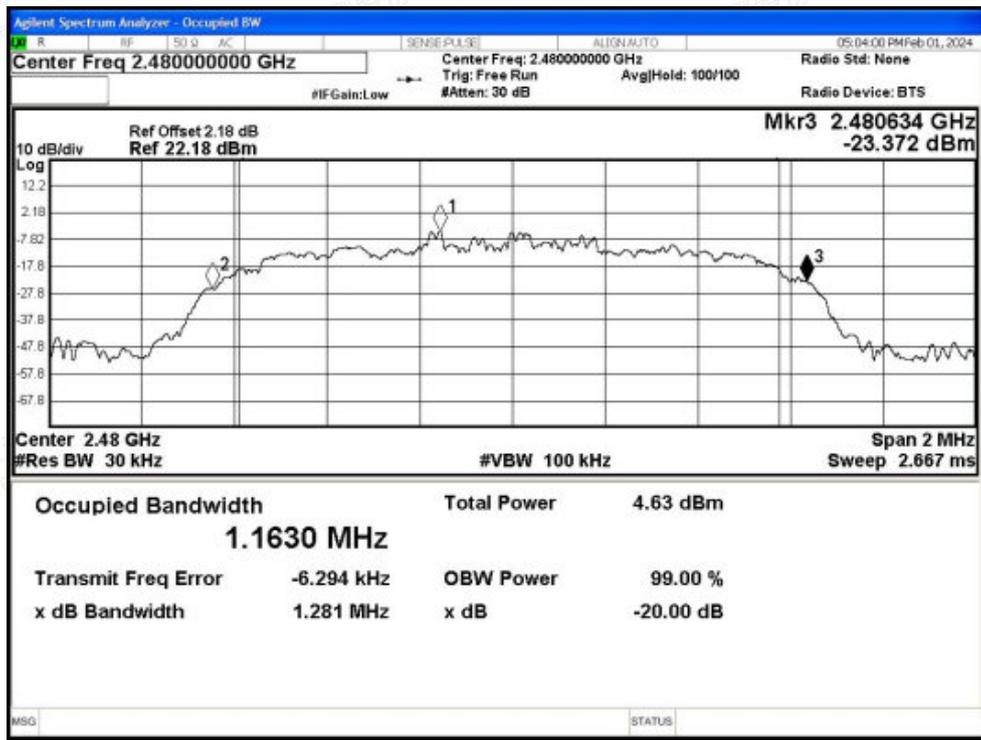




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1

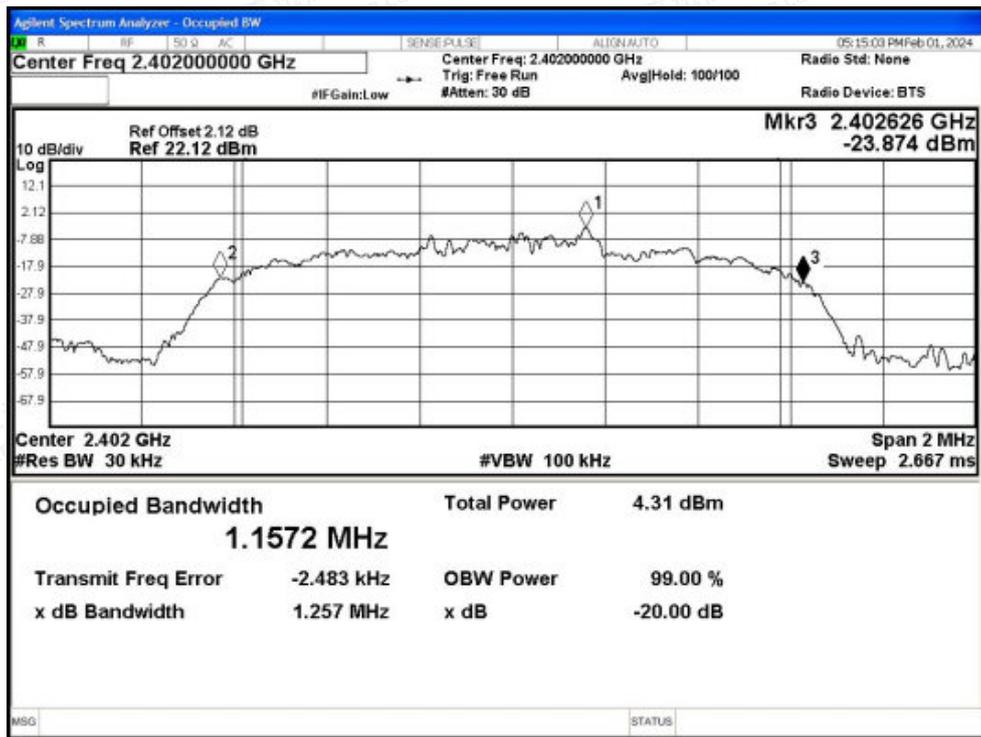


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

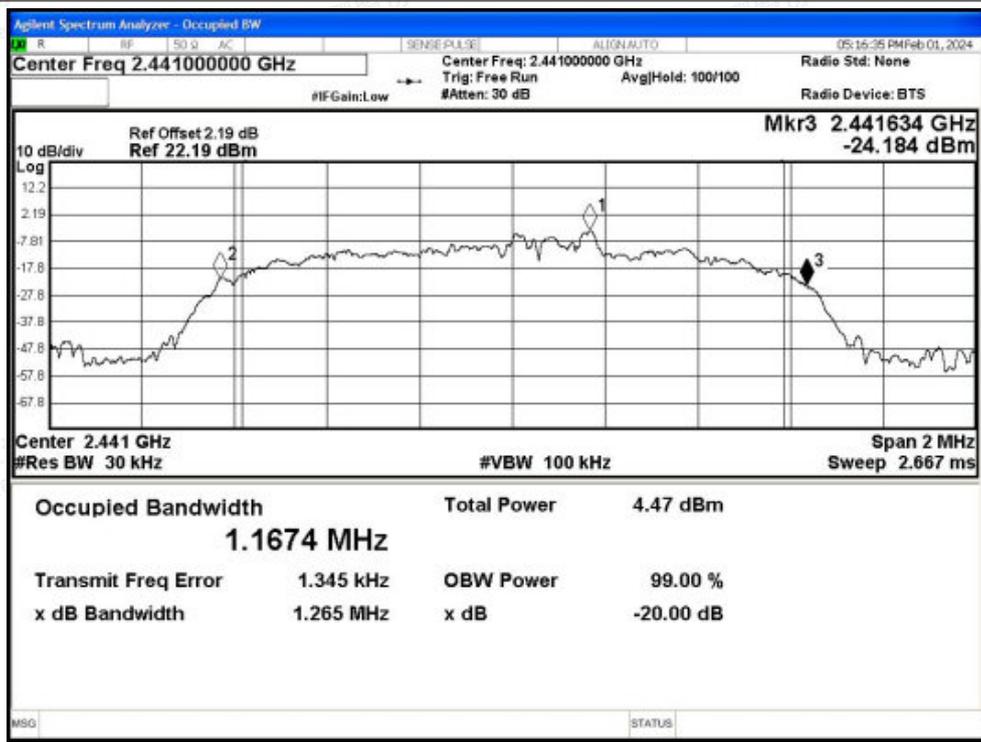




-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1





-20dB Bandwidth NVNT 3-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	0.28	21	Pass
NVNT	1-DH5	2441	Ant1	0.69	21	Pass
NVNT	1-DH5	2480	Ant1	0.88	21	Pass
NVNT	2-DH5	2402	Ant1	-0.87	21	Pass
NVNT	2-DH5	2441	Ant1	-0.45	21	Pass
NVNT	2-DH5	2480	Ant1	-0.21	21	Pass
NVNT	3-DH5	2402	Ant1	-1.04	21	Pass
NVNT	3-DH5	2441	Ant1	-0.53	21	Pass
NVNT	3-DH5	2480	Ant1	-0.31	21	Pass

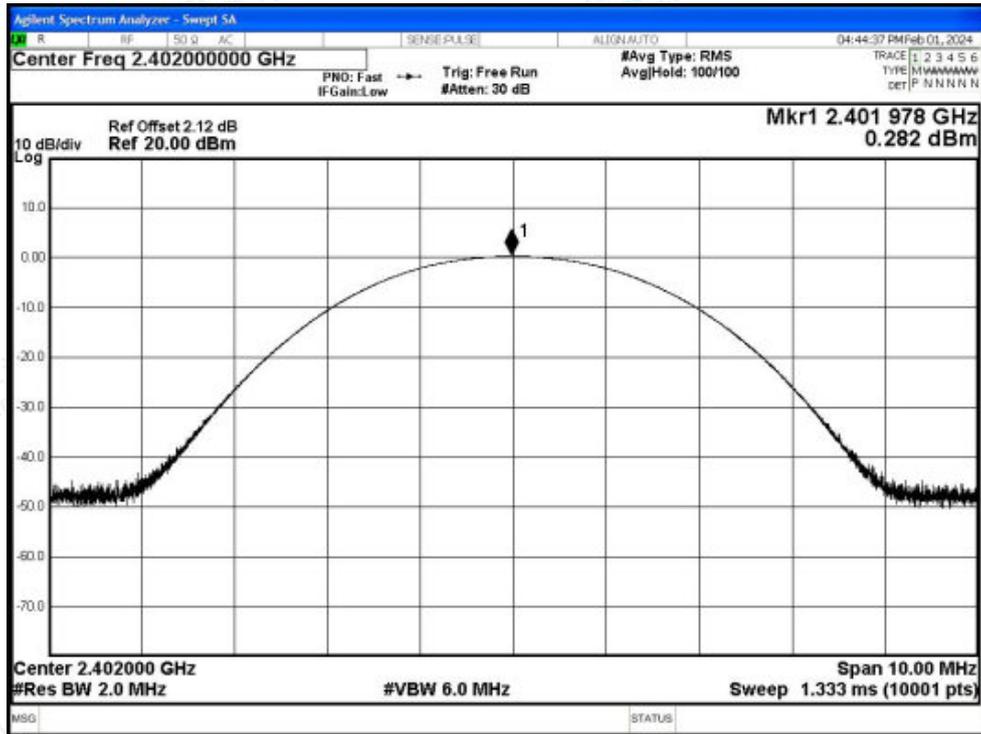


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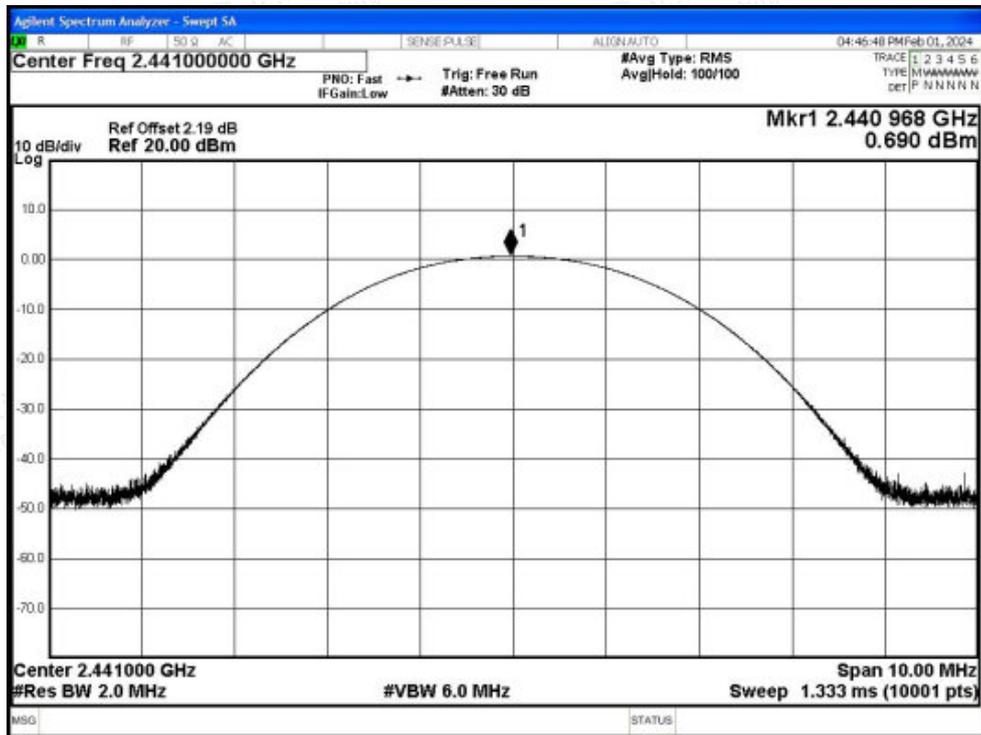


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

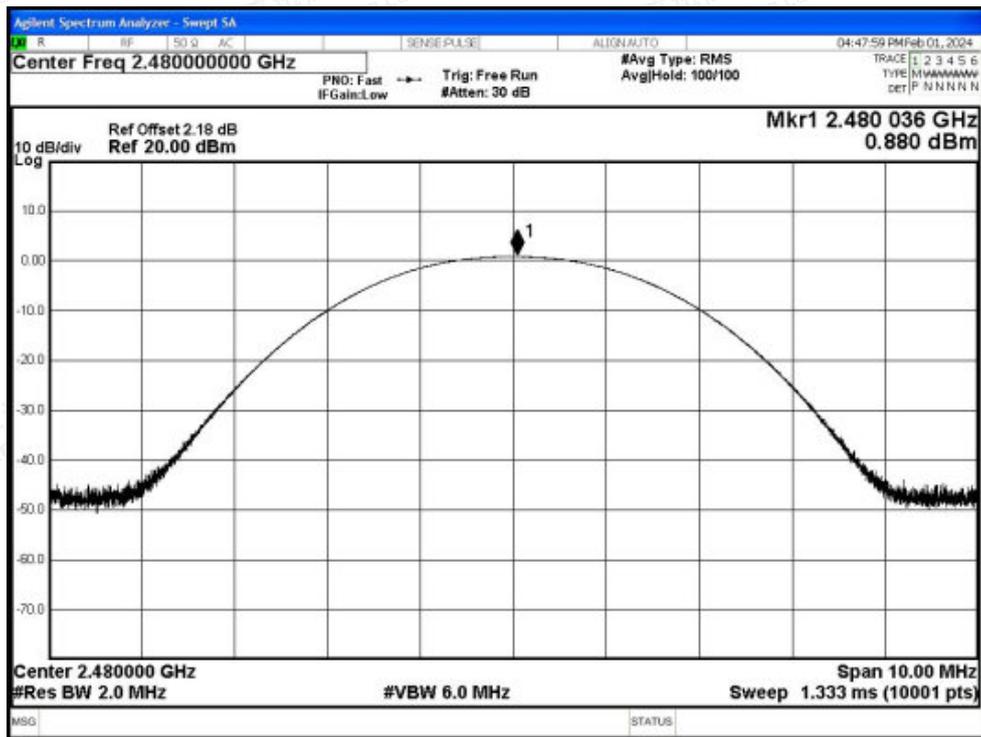


Power NVNT 1-DH5 2441MHz Ant1

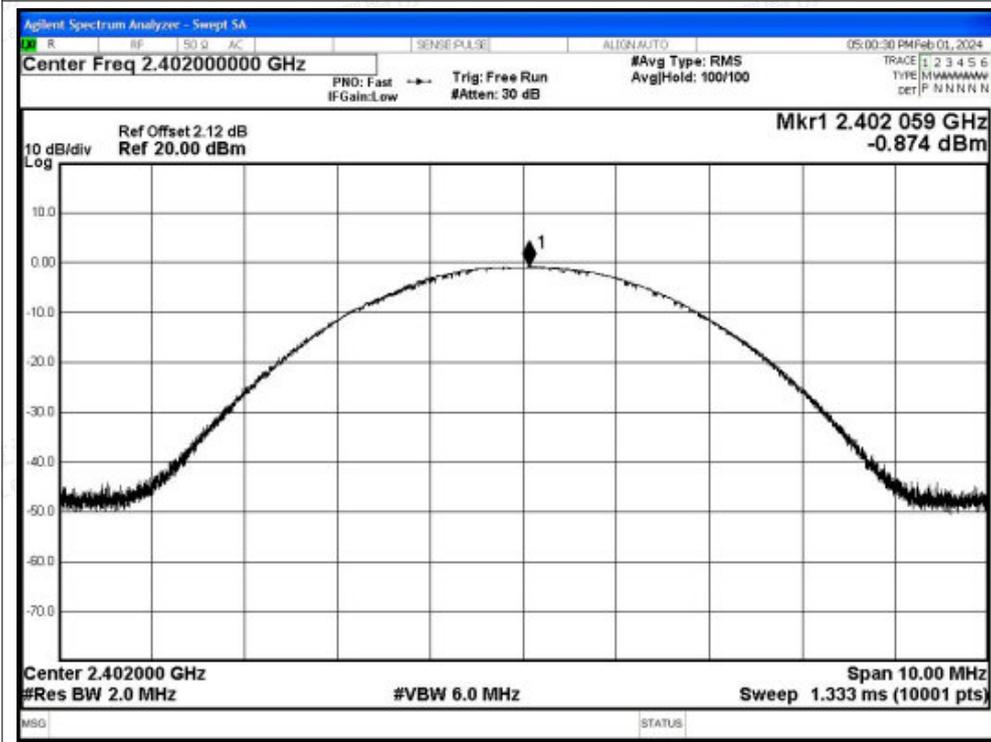




Power NVNT 1-DH5 2480MHz Ant1

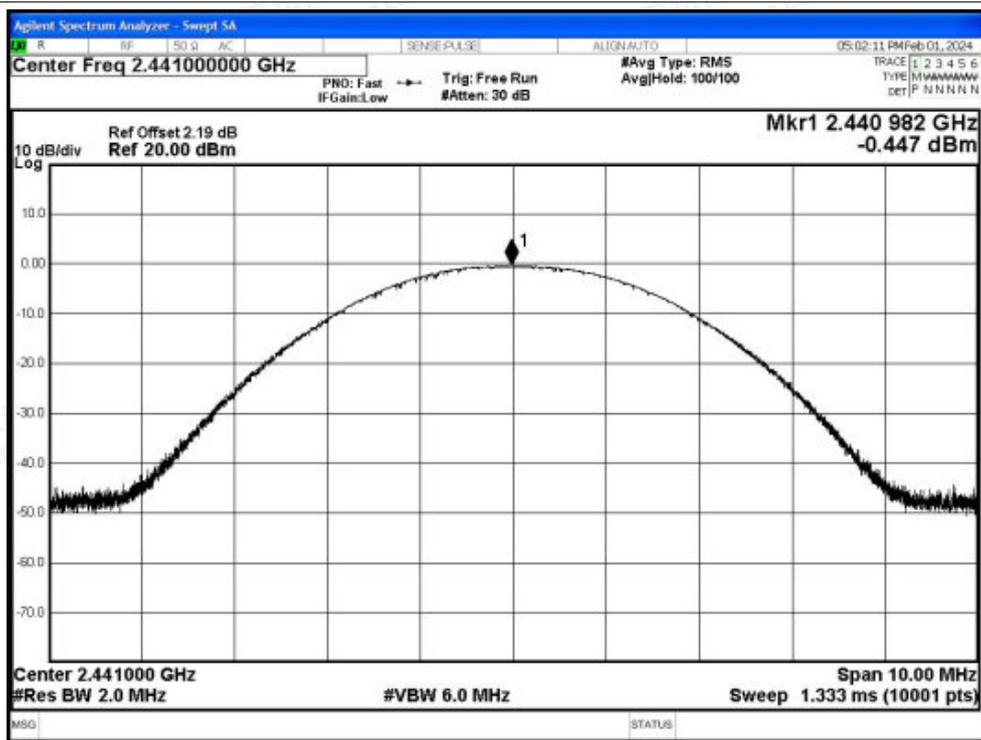


Power NVNT 2-DH5 2402MHz Ant1

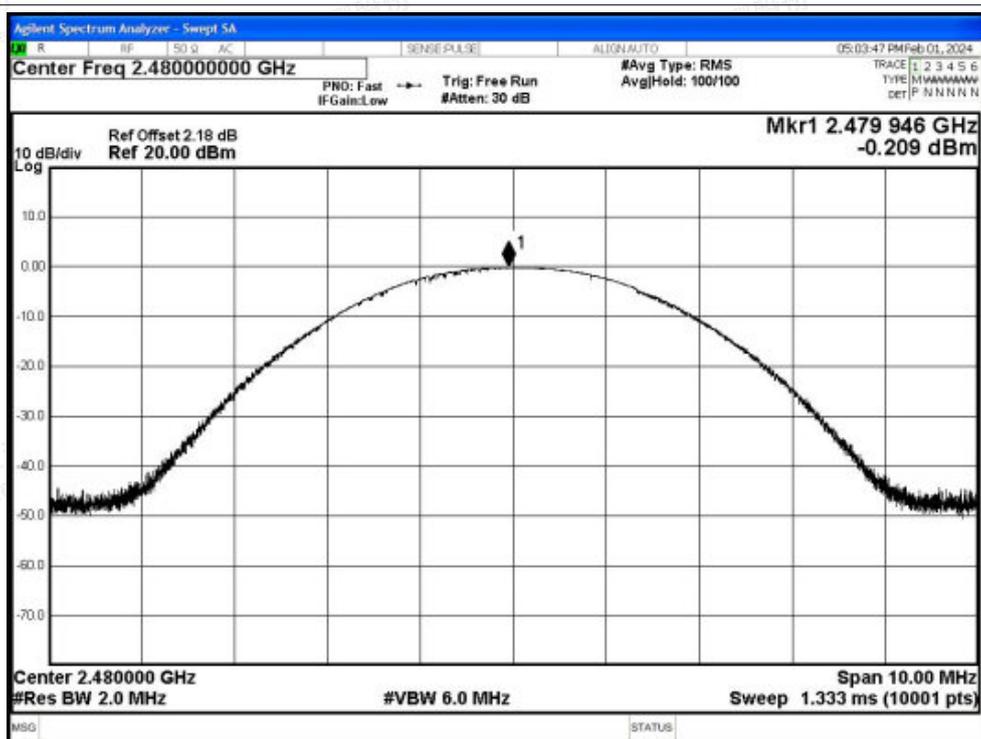




Power NVNT 2-DH5 2441MHz Ant1

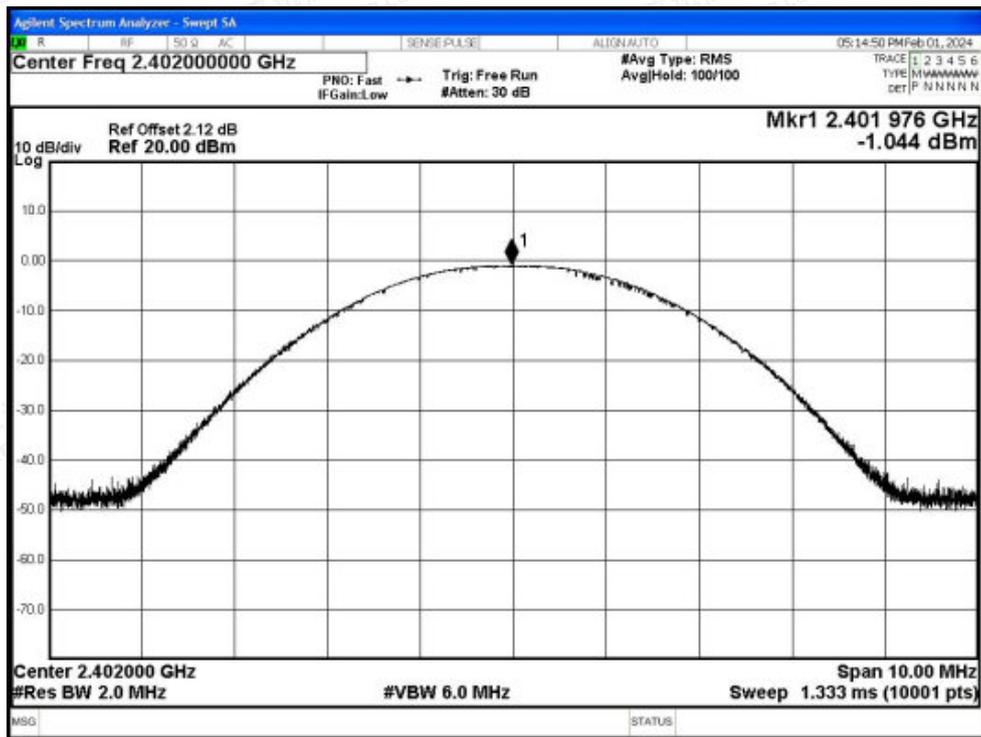


Power NVNT 2-DH5 2480MHz Ant1

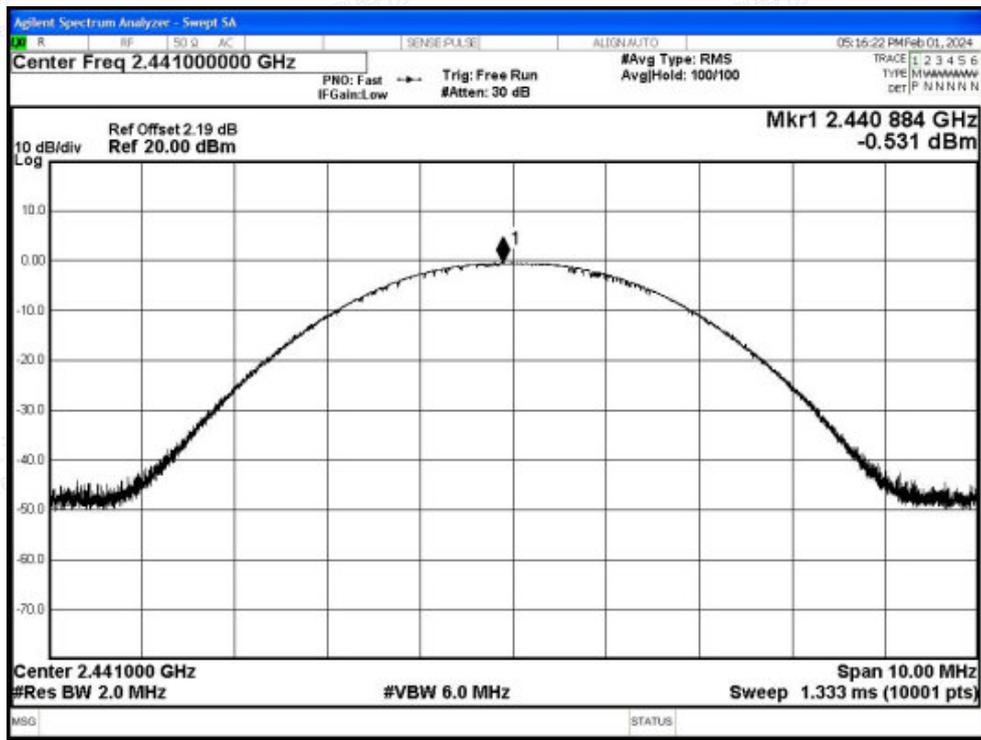




Power NVNT 3-DH5 2402MHz Ant1

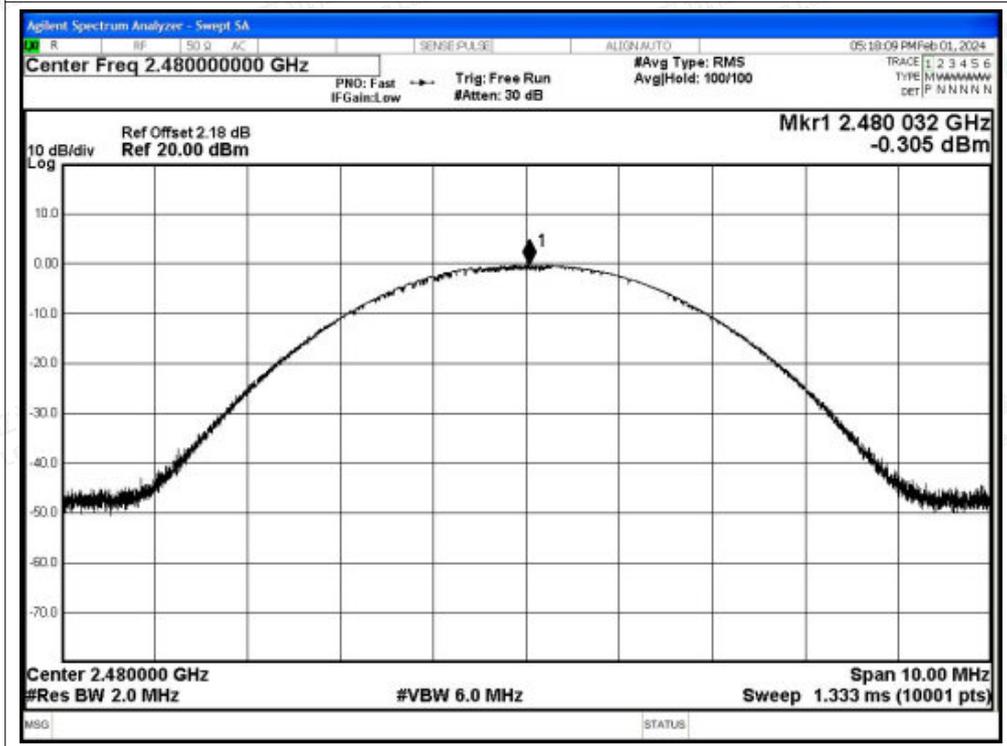


Power NVNT 3-DH5 2441MHz Ant1





Power NVNT 3-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	2402.156	2403.156	1	0.800	Pass
NVNT	2-DH5	Ant1	2402.024	2403.16	1.136	0.855	Pass
NVNT	3-DH5	Ant1	2402.158	2403.17	1.012	0.856	Pass

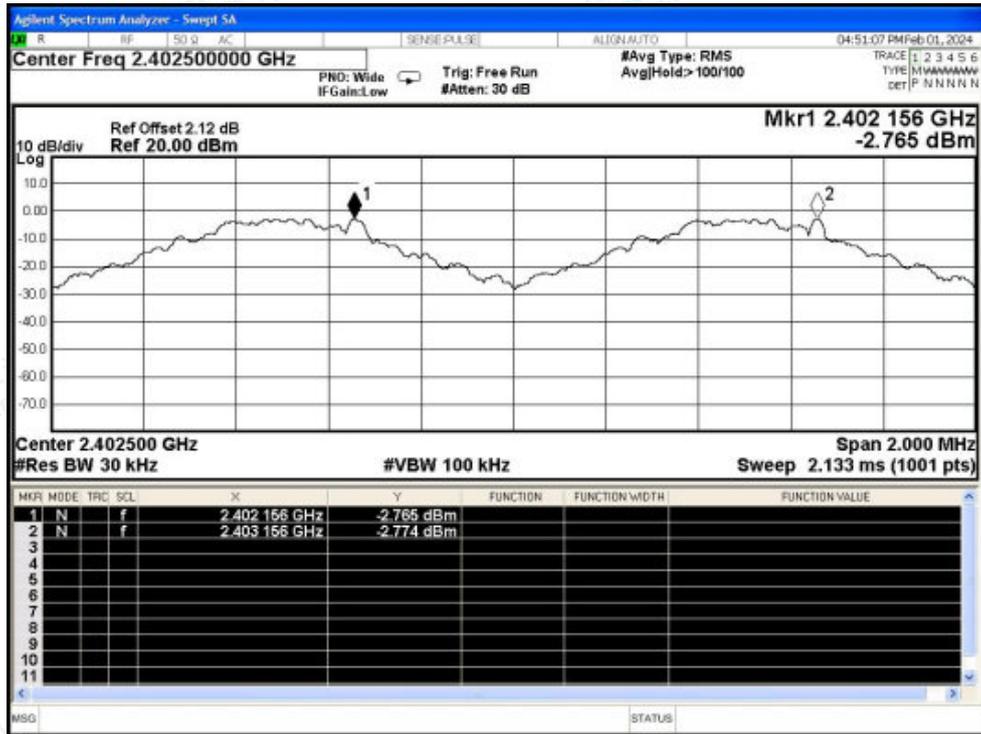


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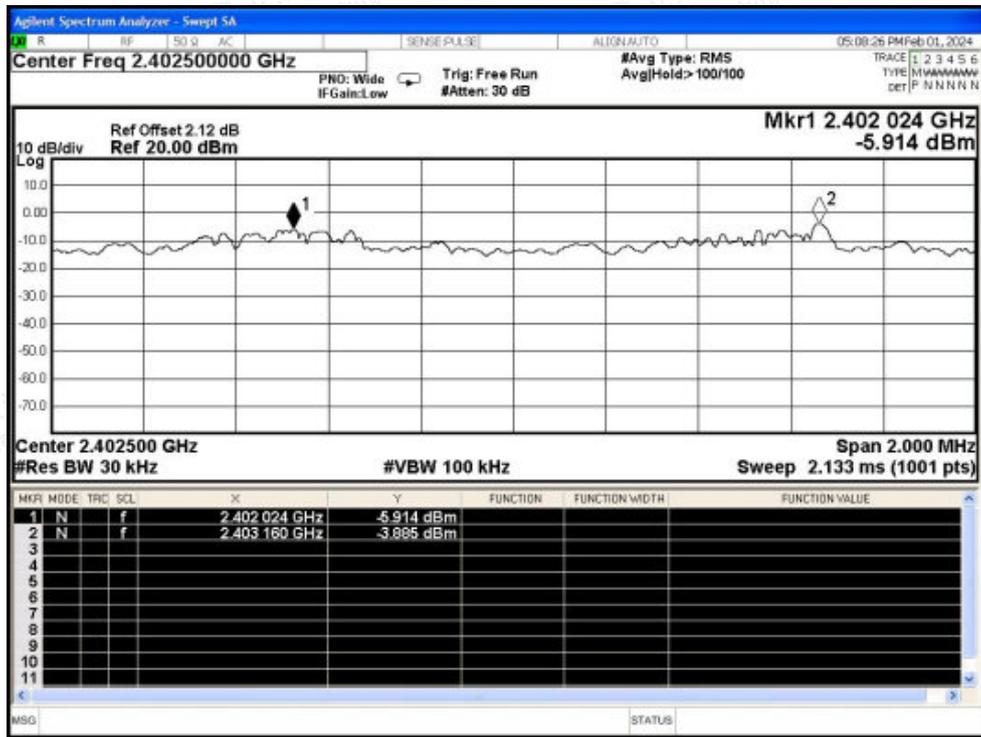


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1

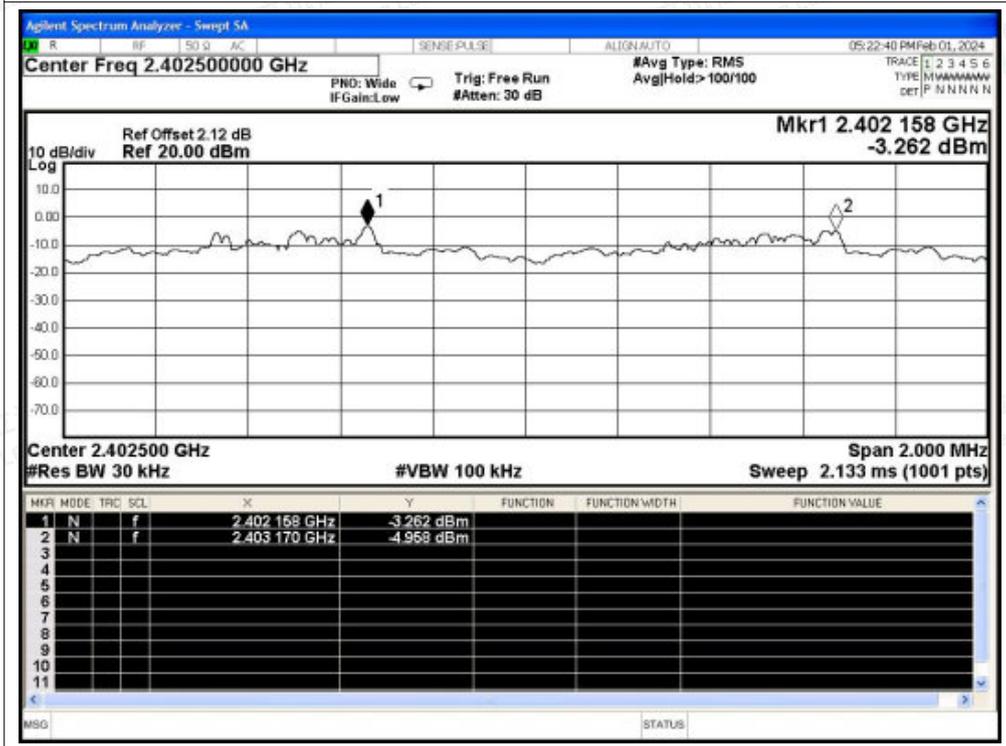


CFS NVNT 2-DH5 2402MHz Ant1





CFS NVNT 3-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	259.38	90	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.885	297.155	103	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.887	265.604	92	31600	400	Pass

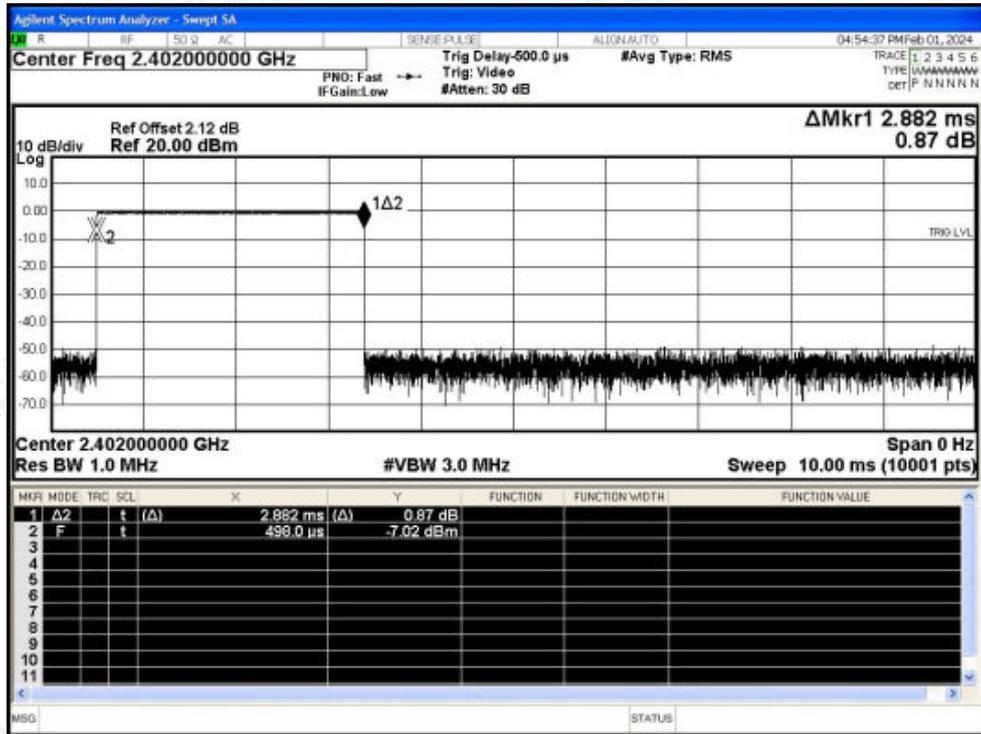


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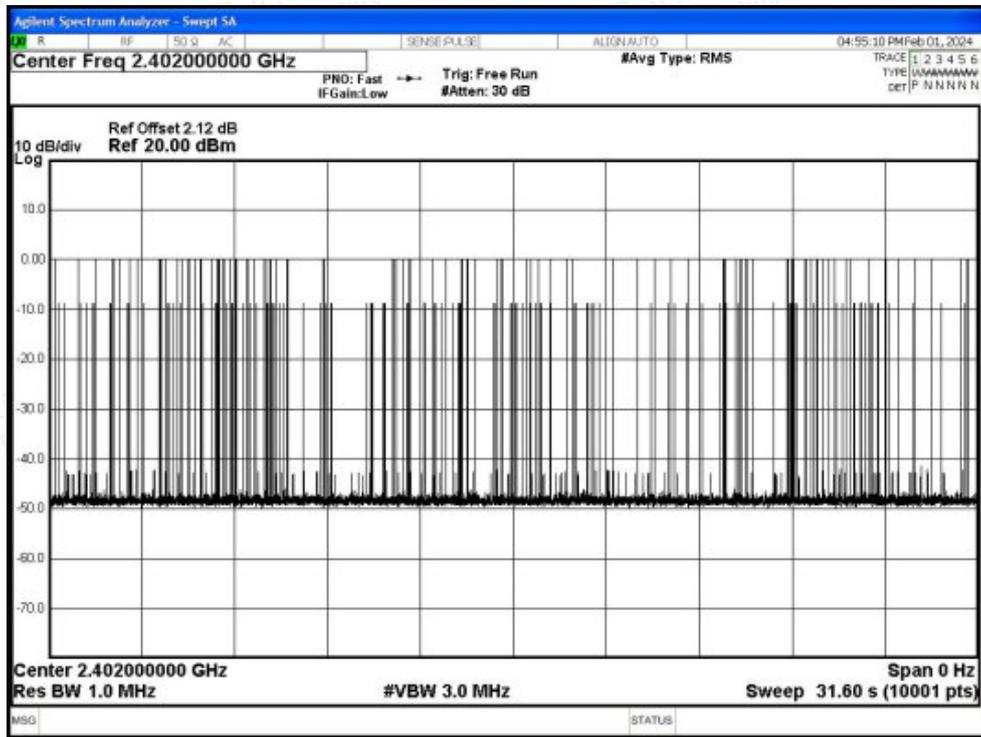


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

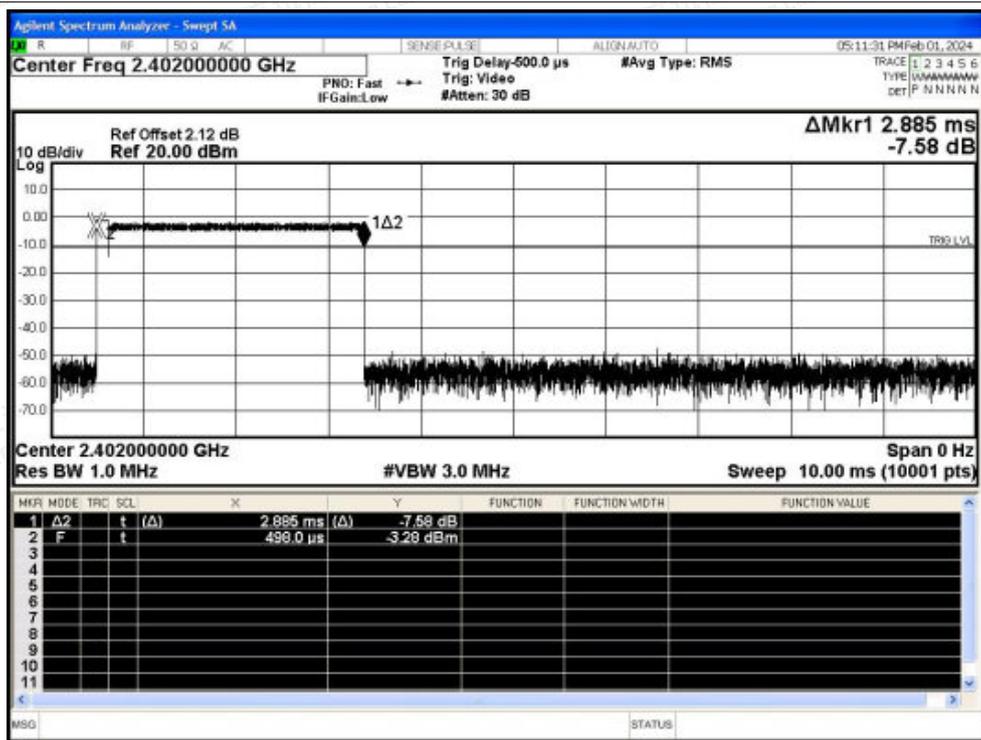


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

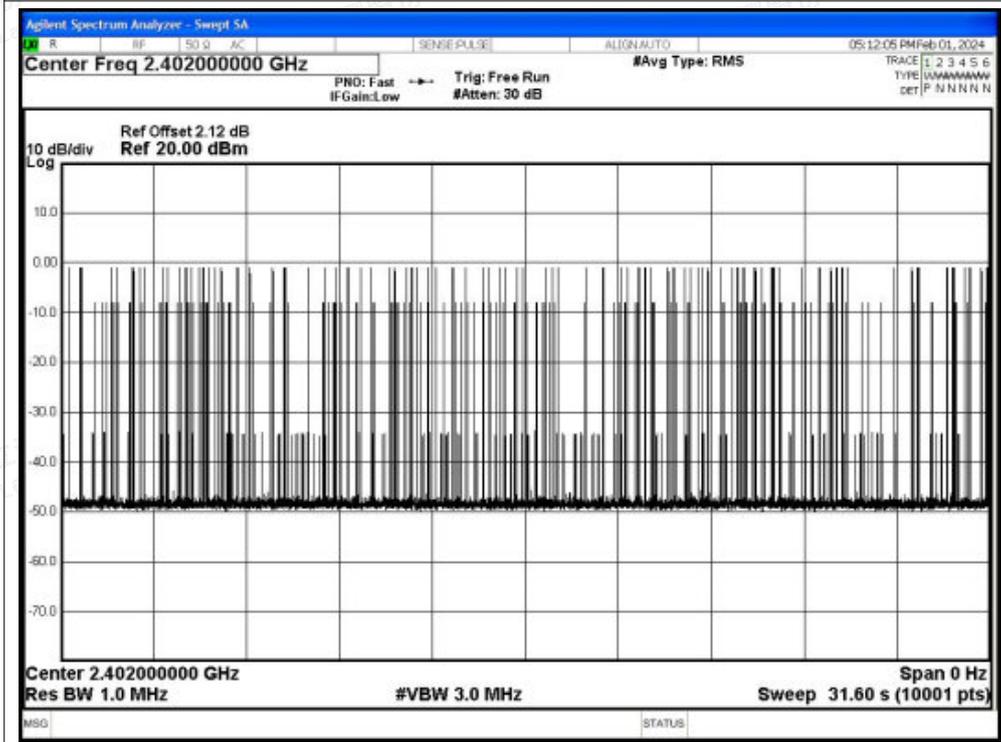




Dwell NVNT 2-DH5 2402MHz Ant1 One Burst

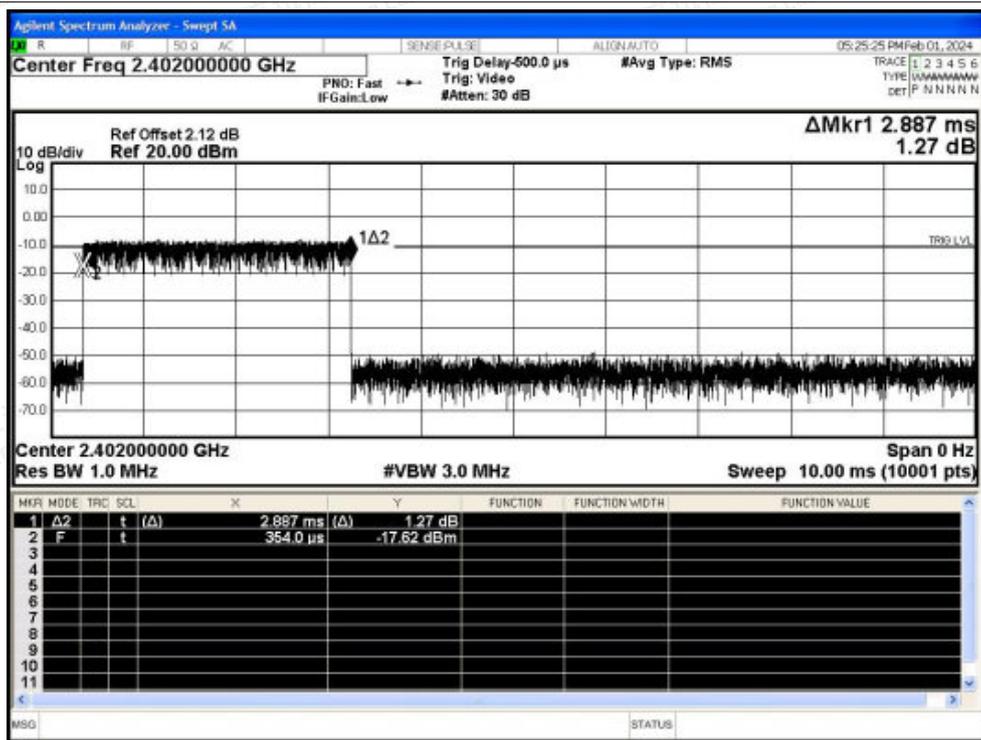


Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated

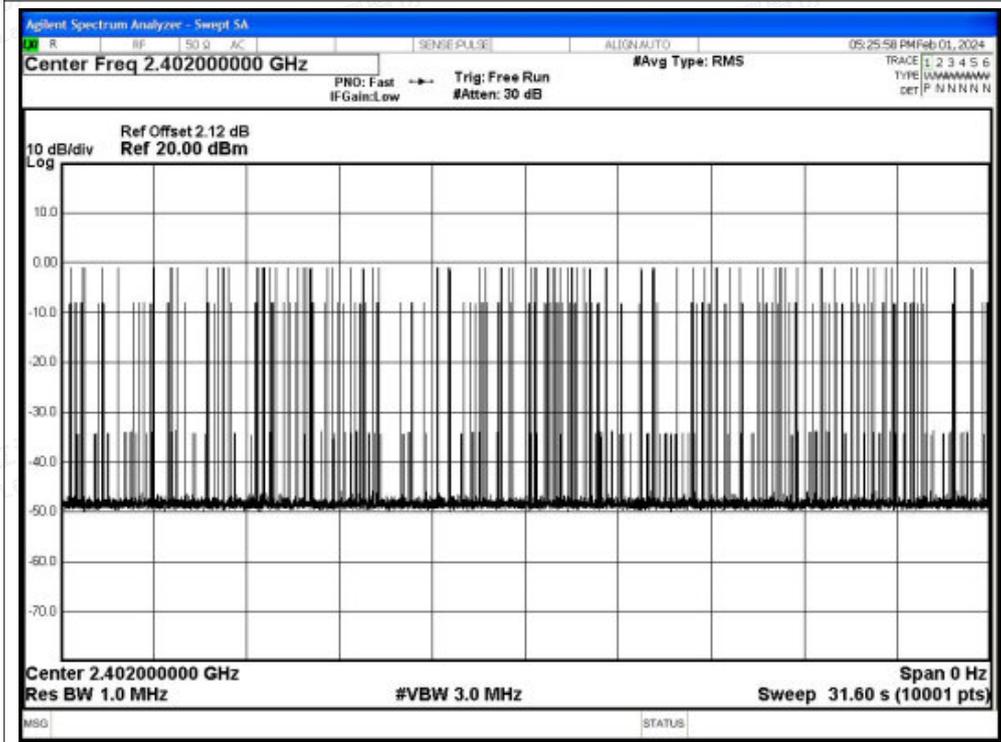




Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated





A.5 Number of Hopping Channel

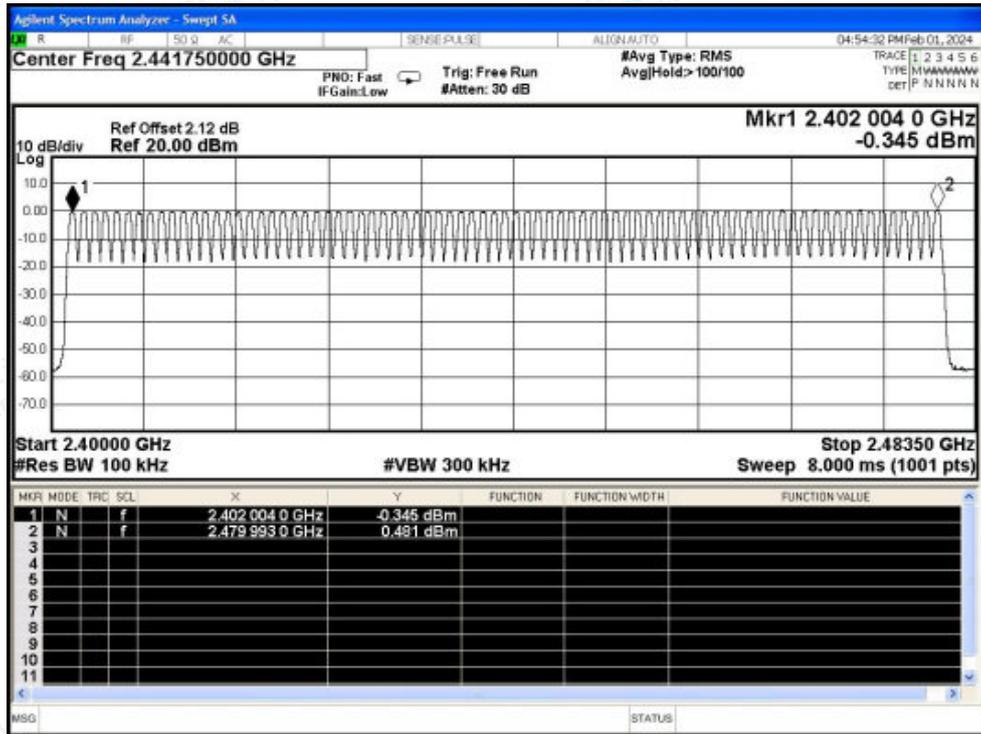
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



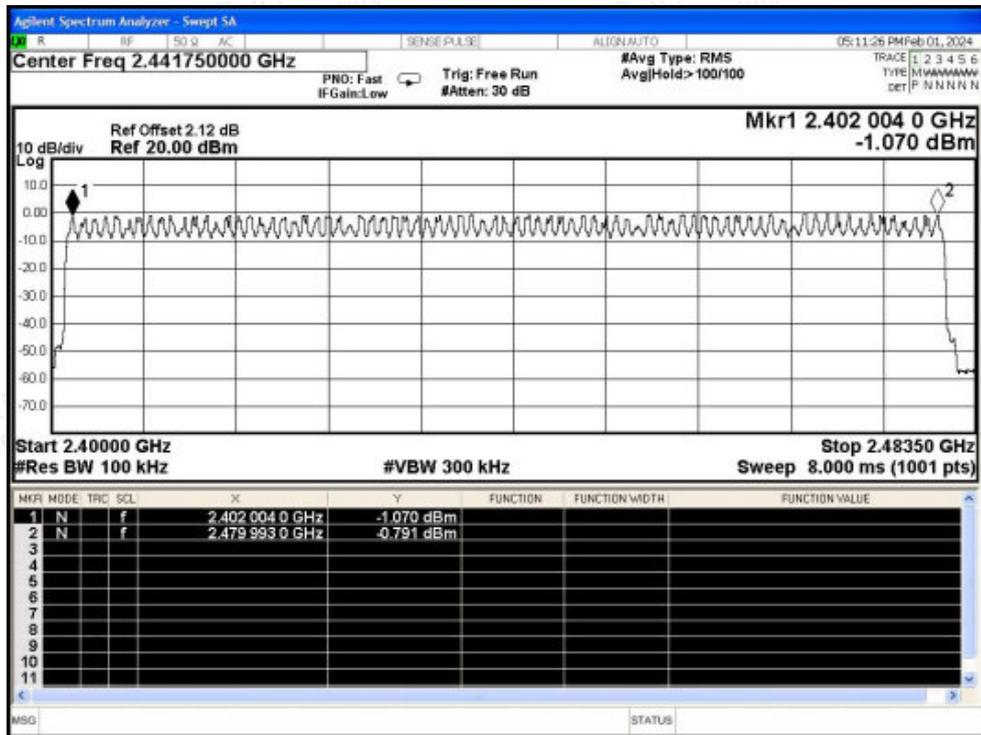


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1

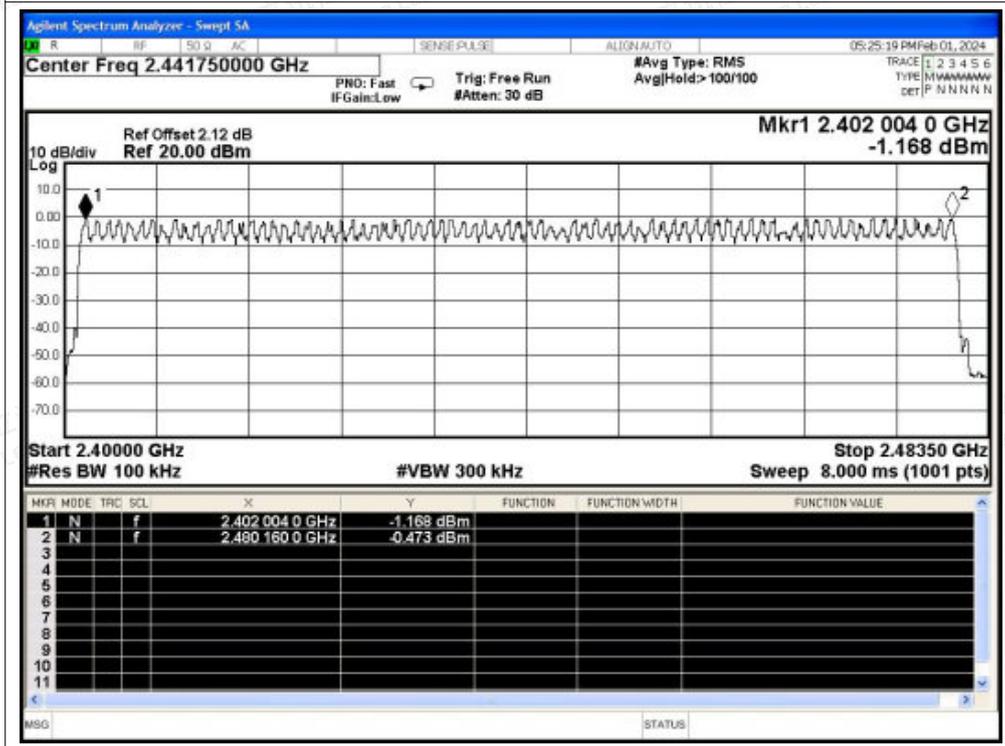


Hopping No. NVNT 2-DH5 2402MHz Ant1





Hopping No. NVNT 3-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	-56.26	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-56.99	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-56	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-55.57	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-54.6	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-54.67	-20	Pass

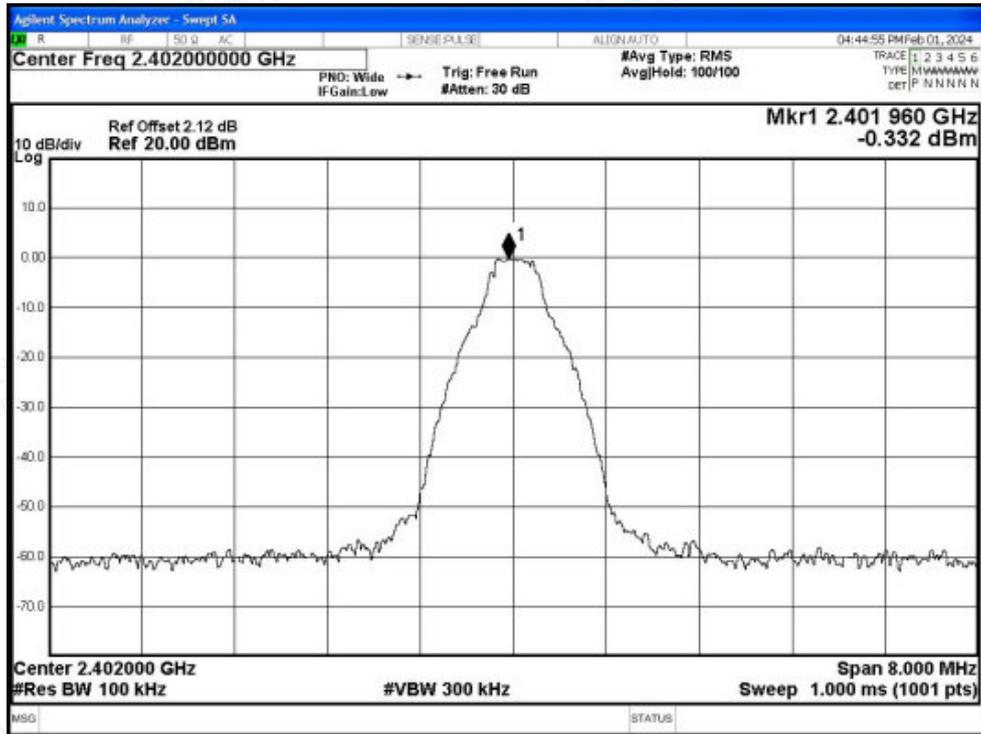


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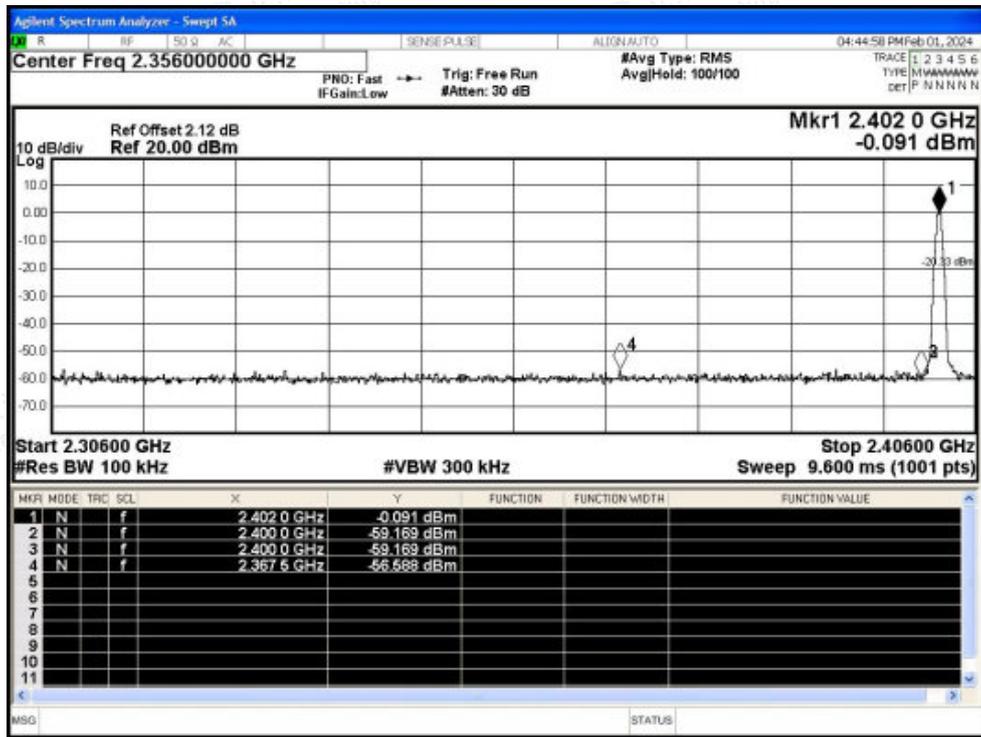


Test Graphs

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

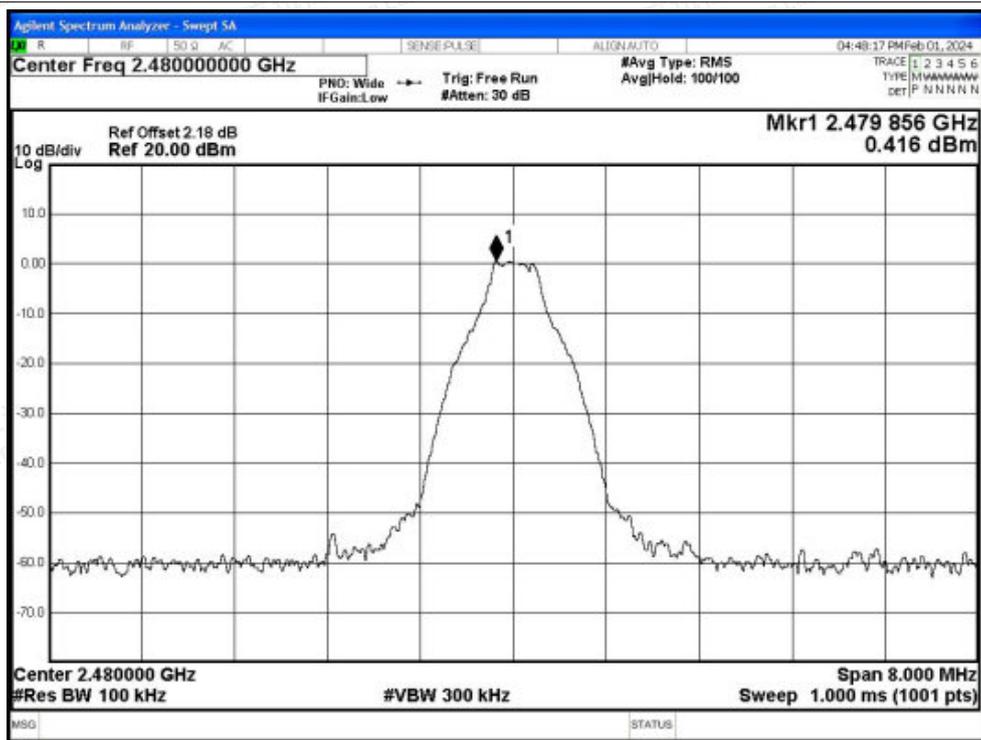


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

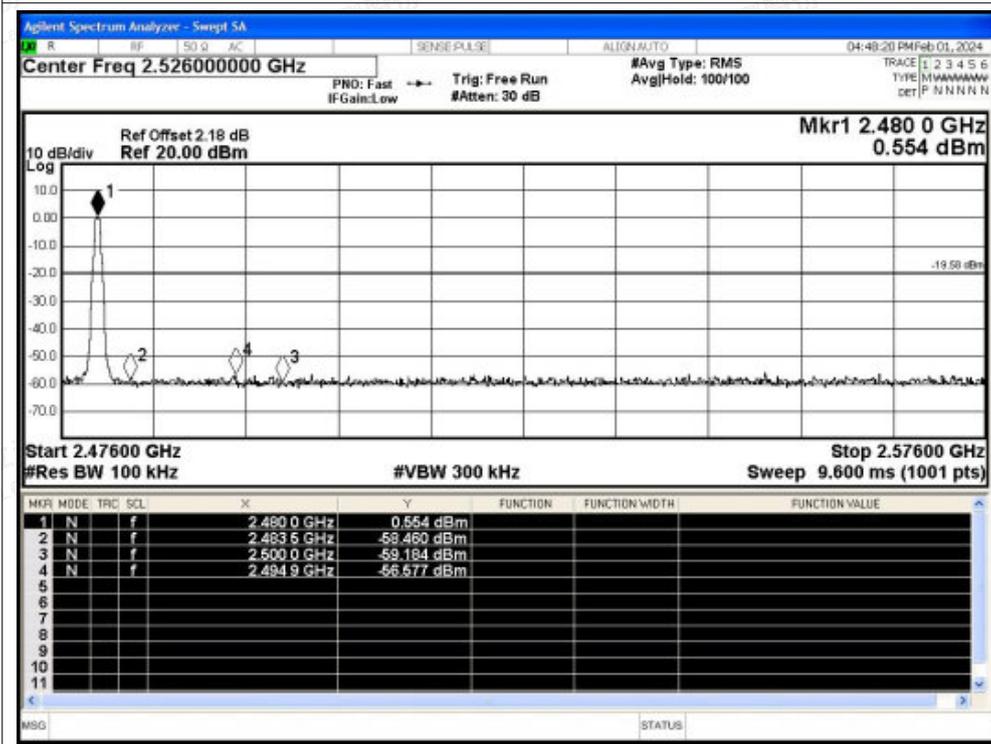




Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

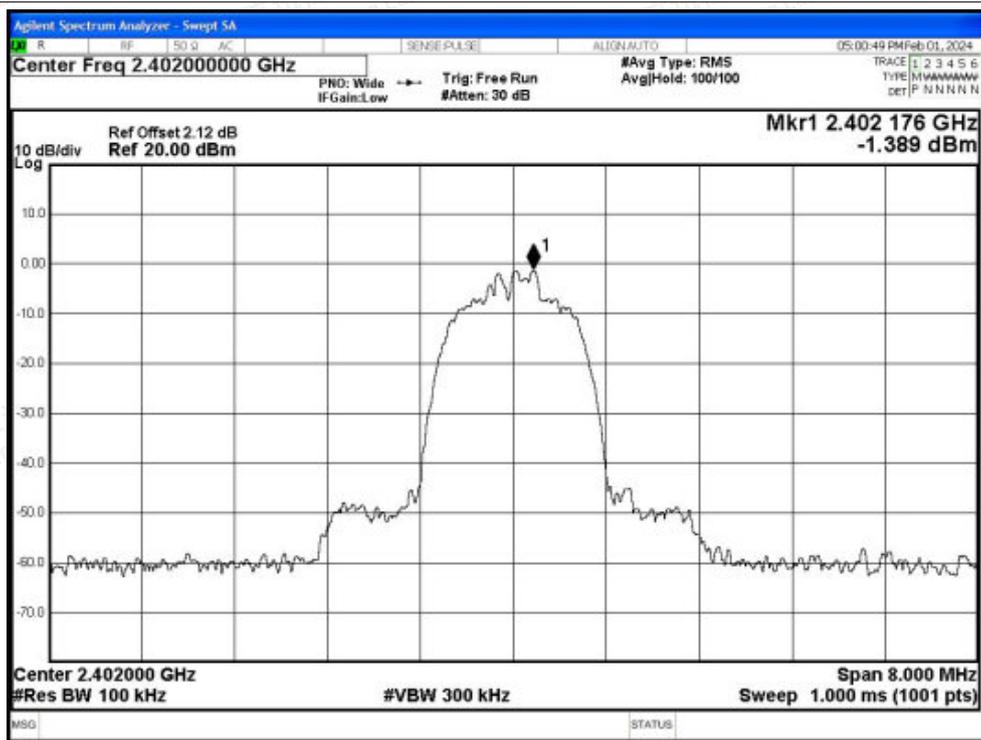


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

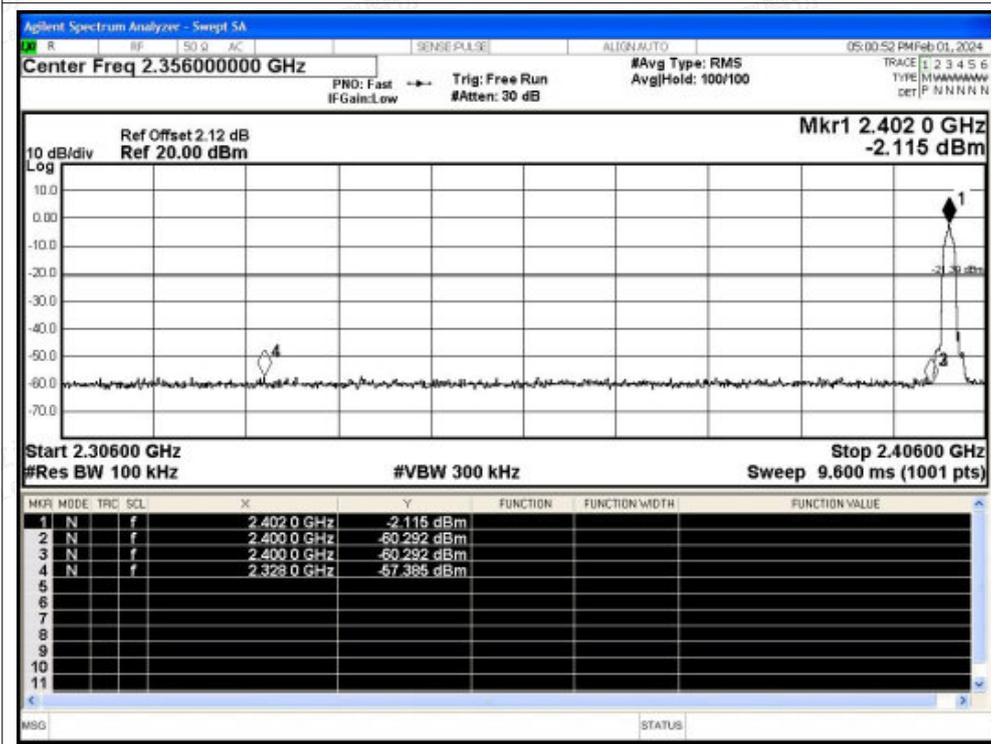




Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



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

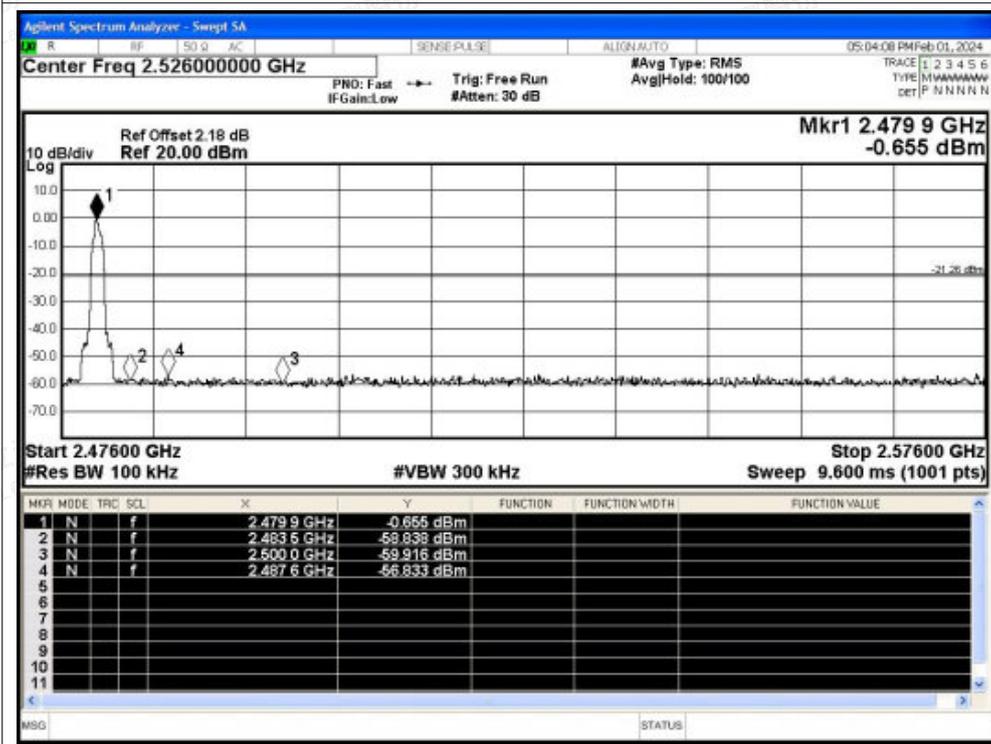




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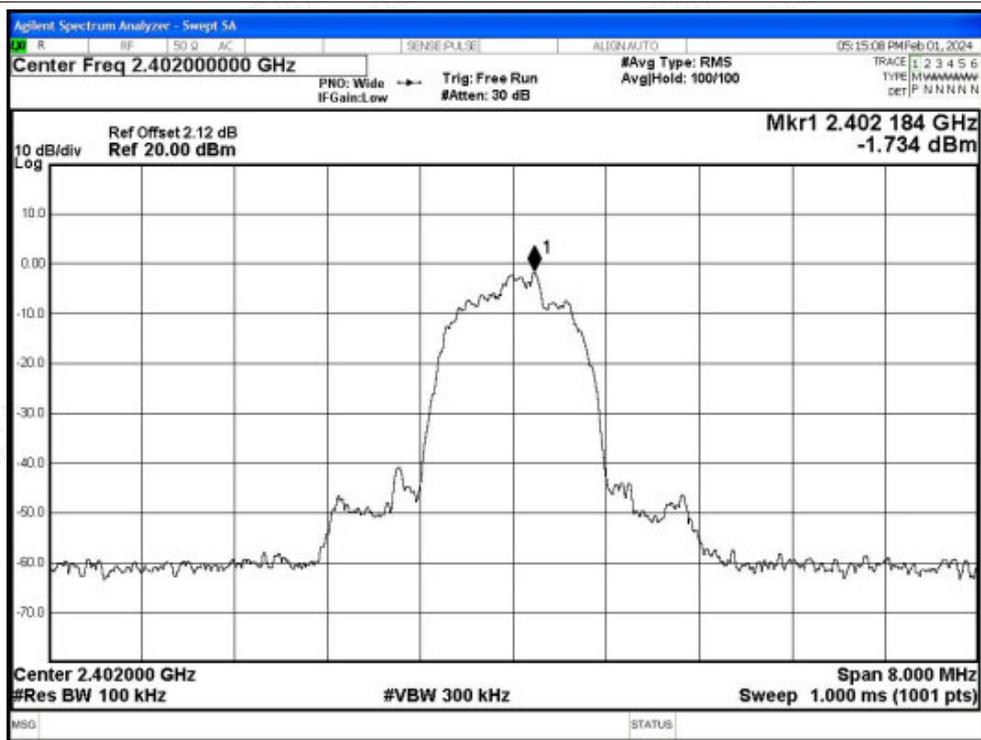


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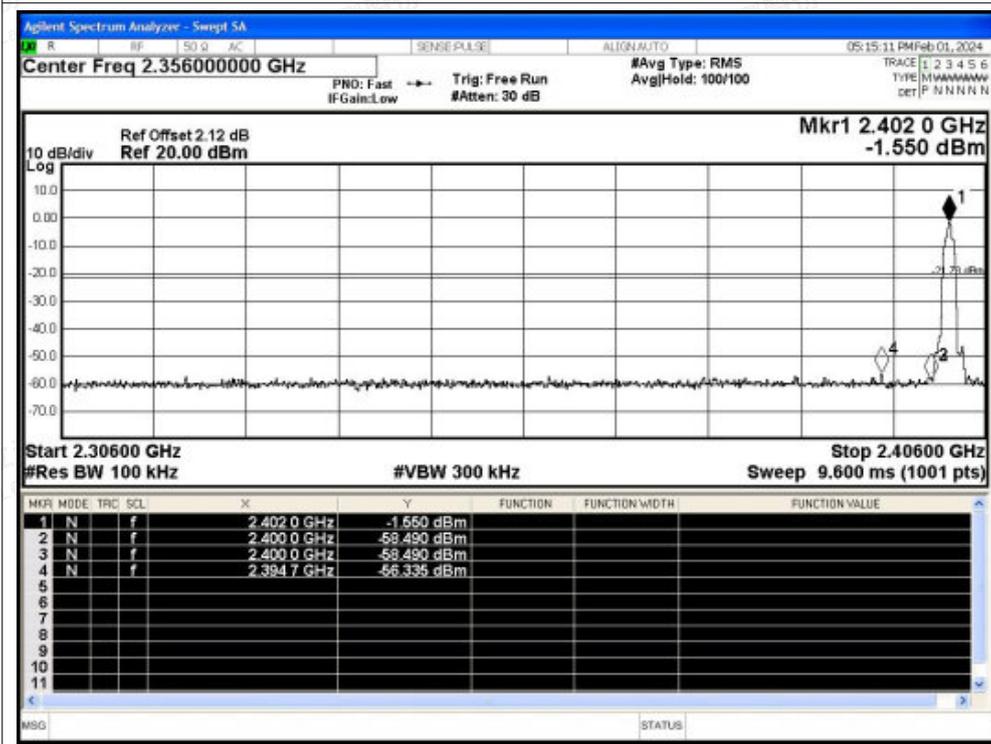




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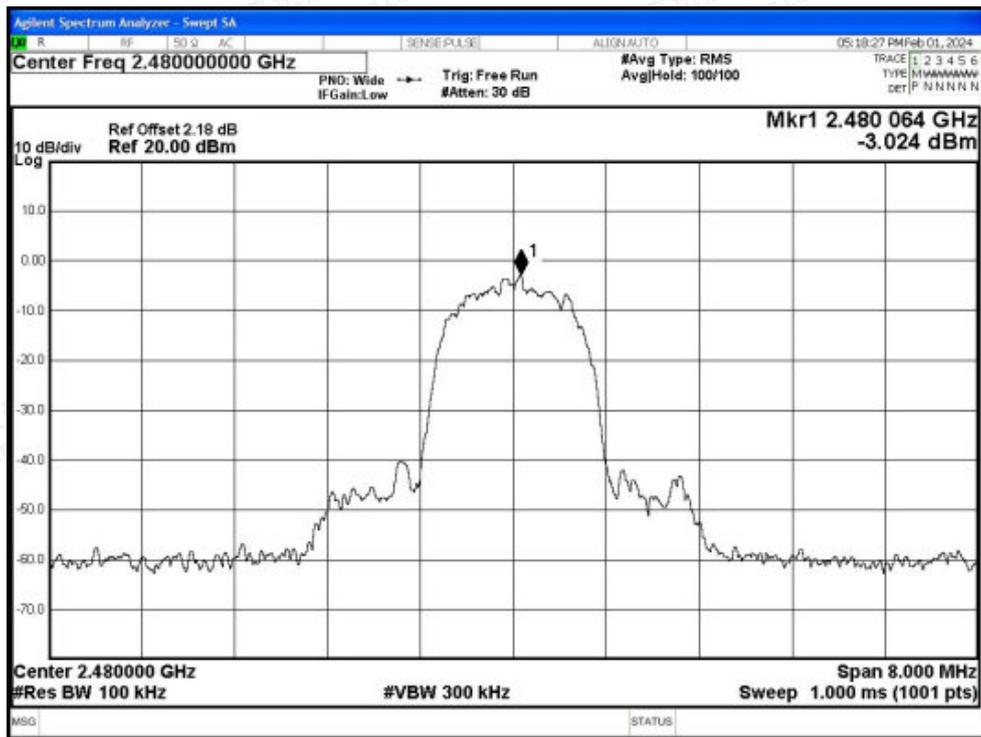


Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission

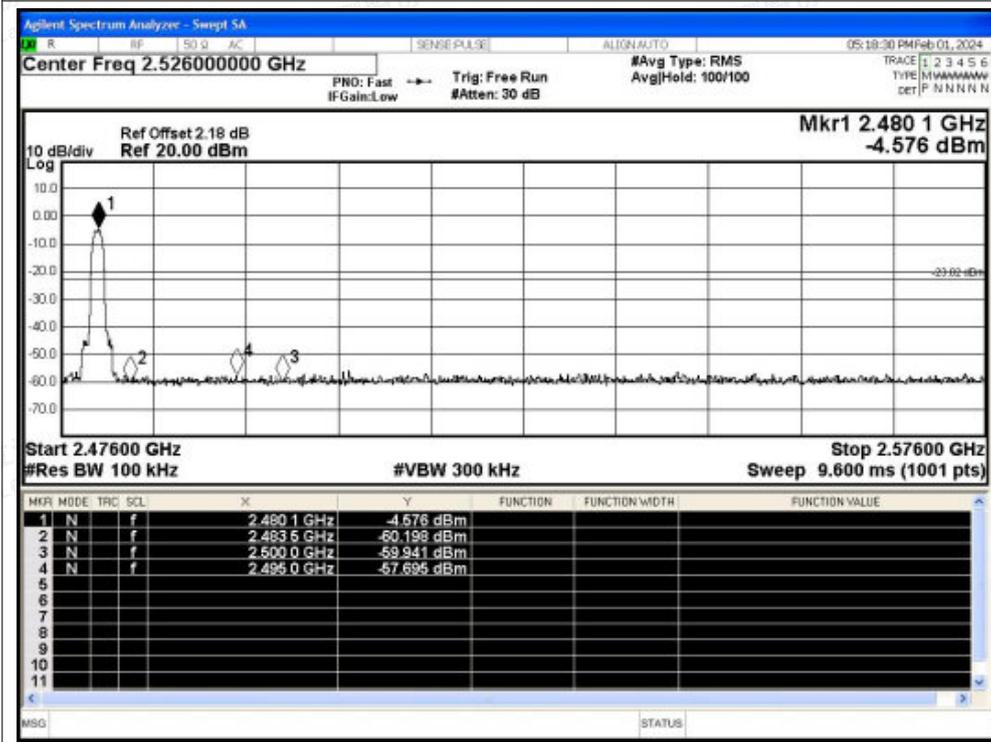




Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission





(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-55.21	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-56.35	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-53.07	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-55.82	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-53.26	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-54.08	-20	Pass

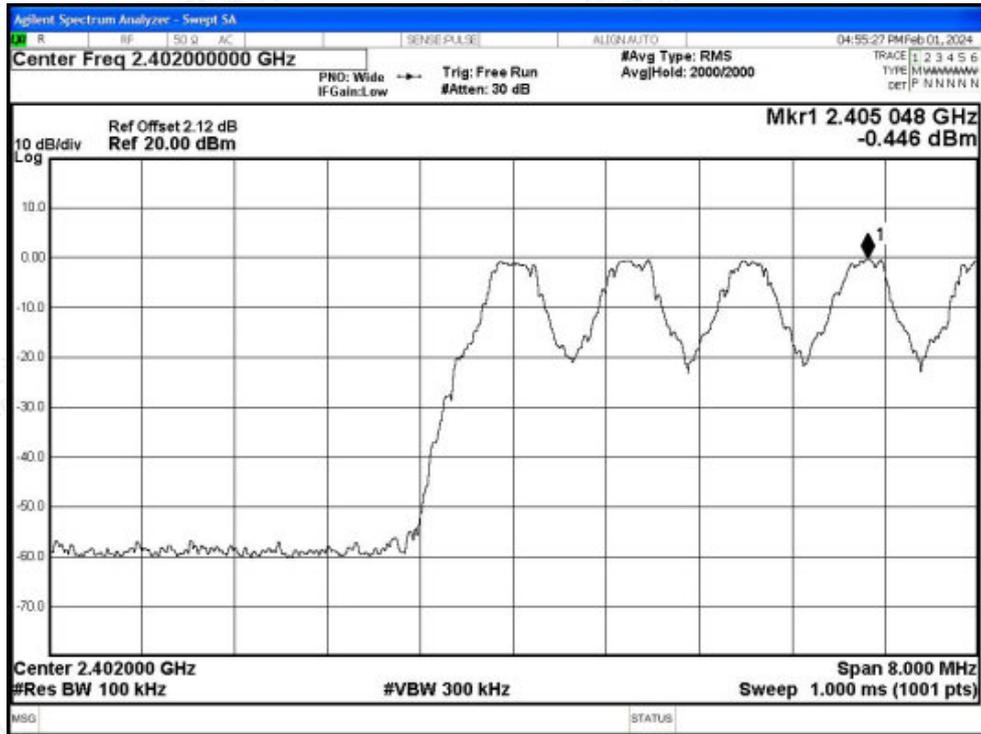


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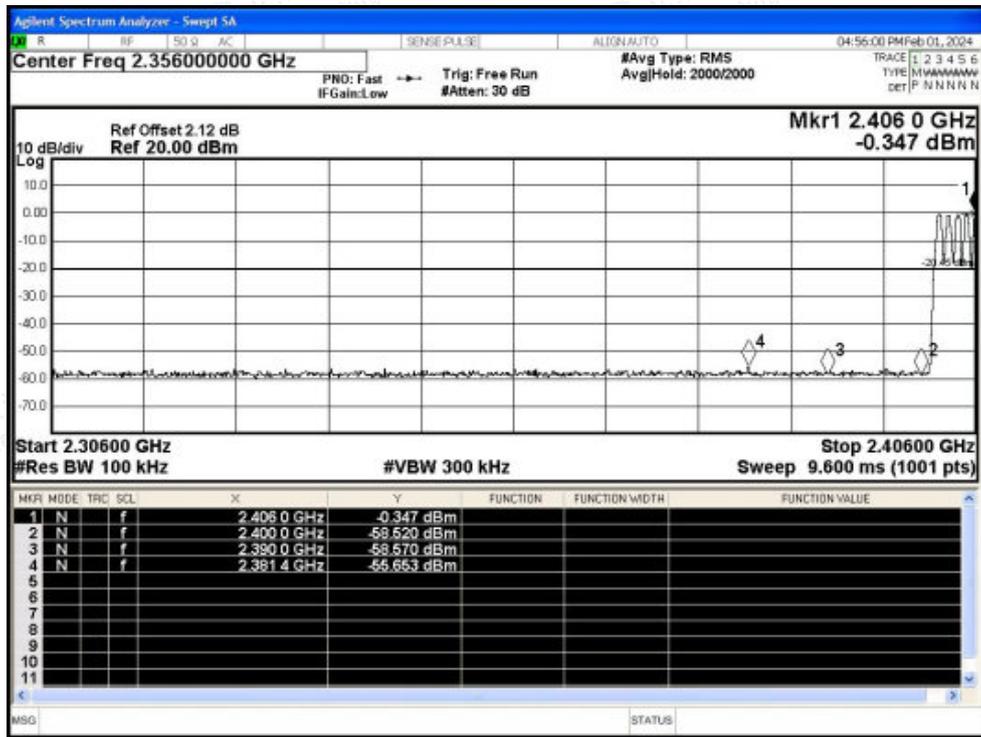


Test Graphs

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

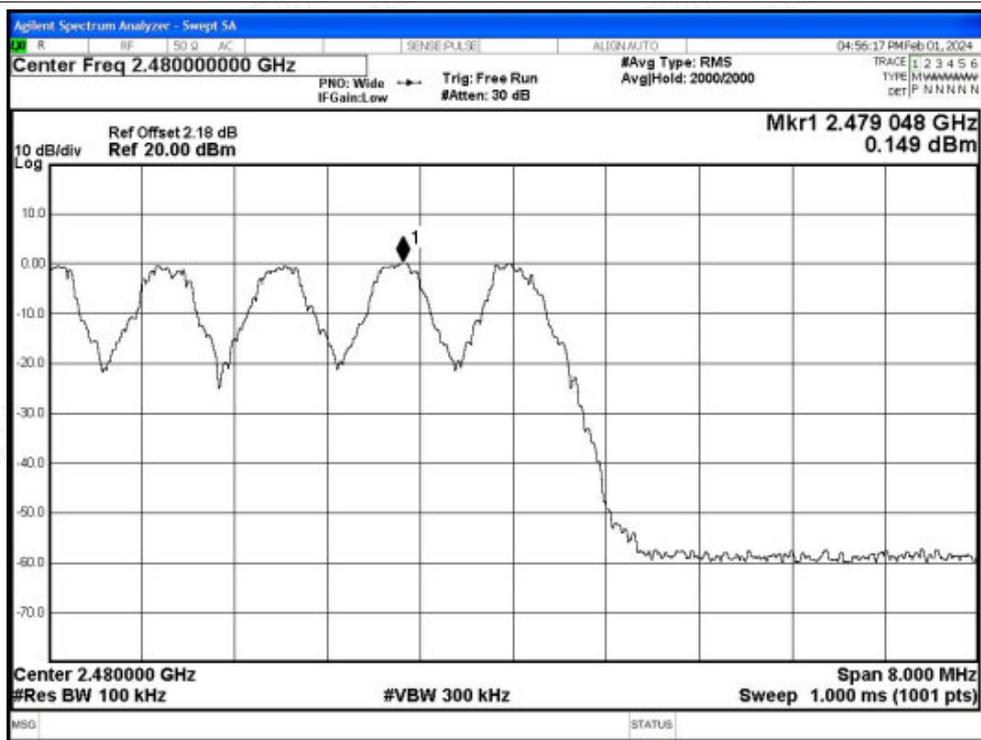


Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission

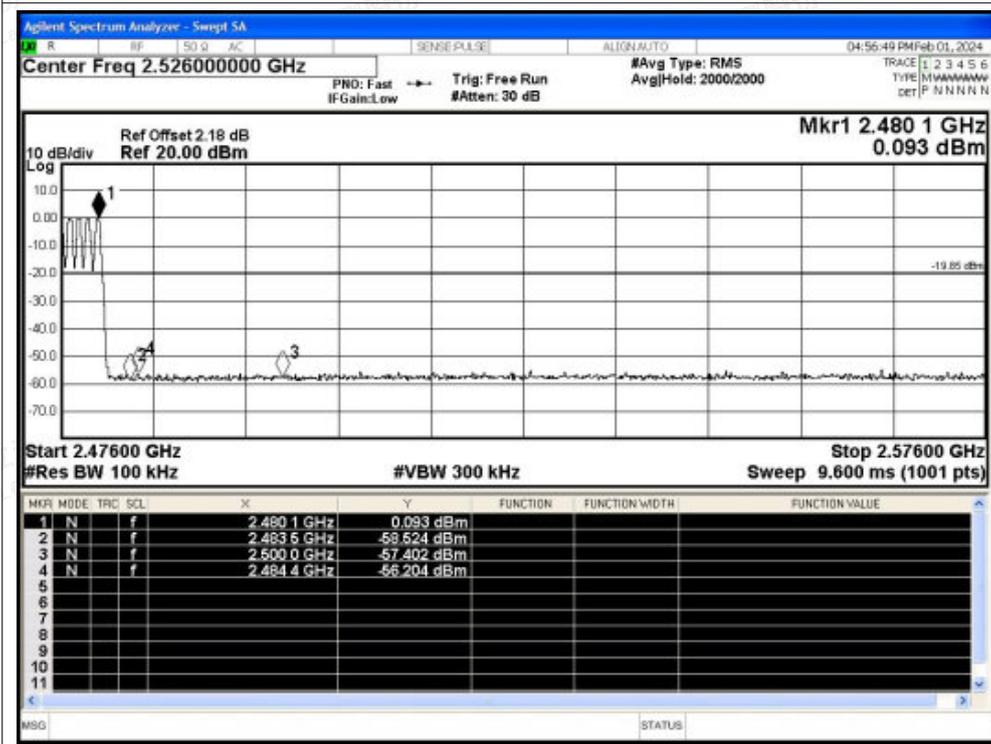




Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



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

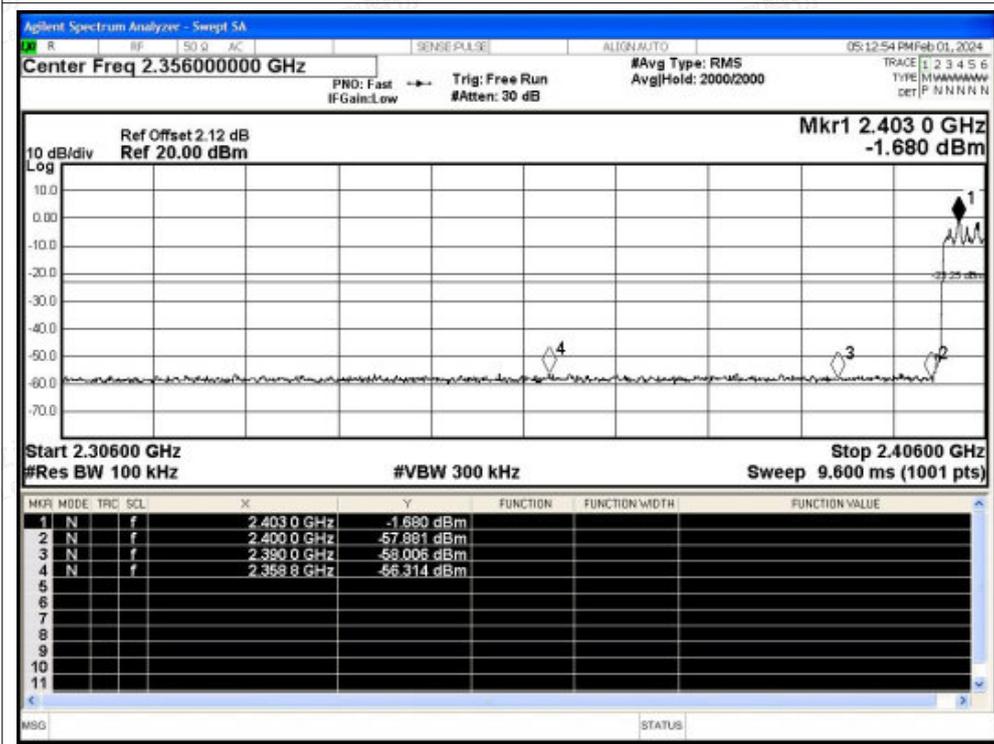




Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

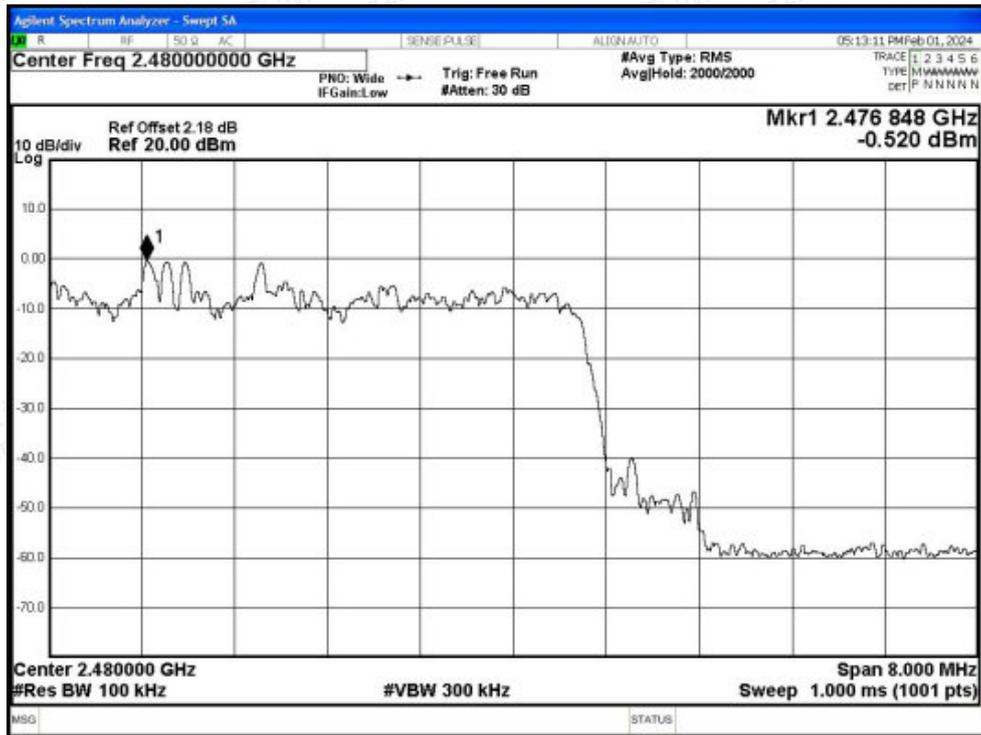


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission

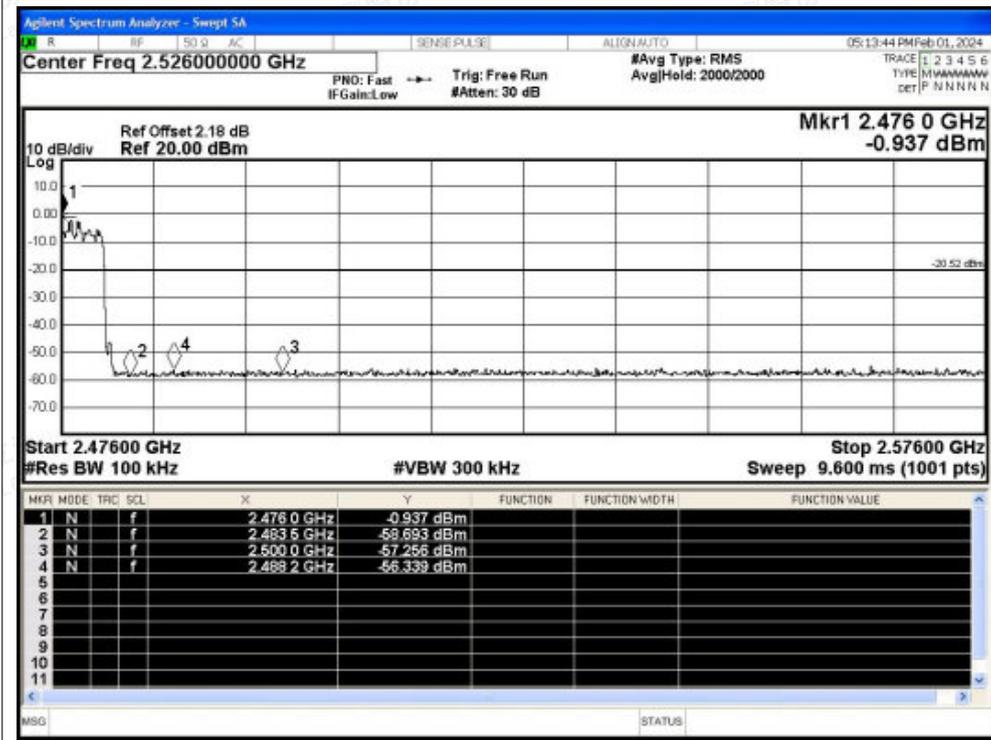




Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



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

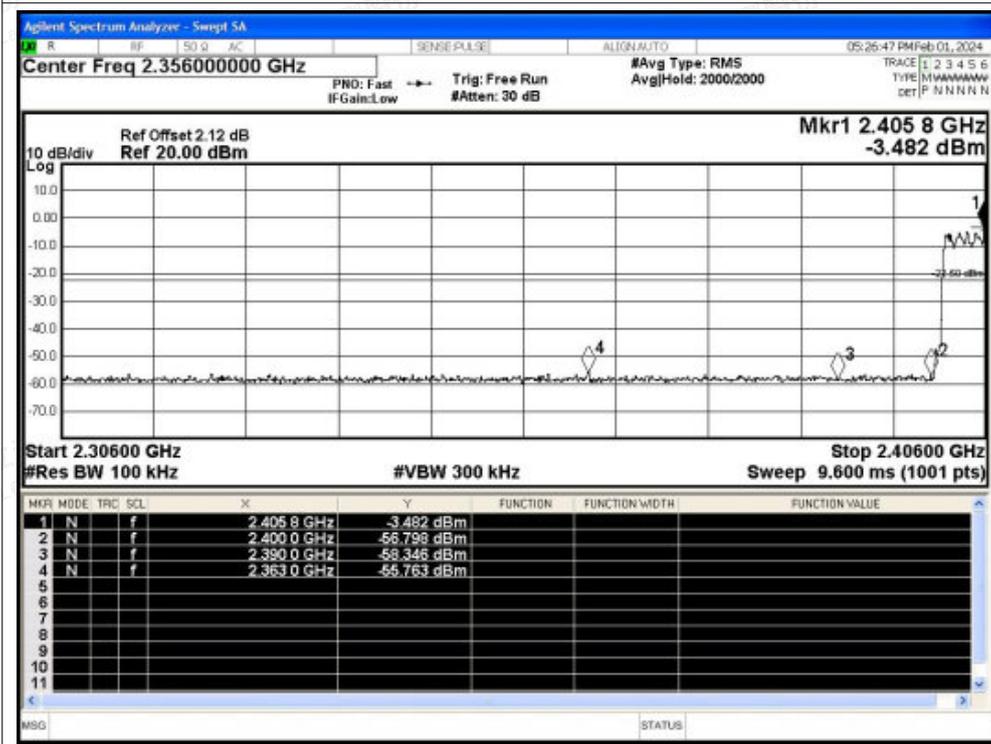




Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission

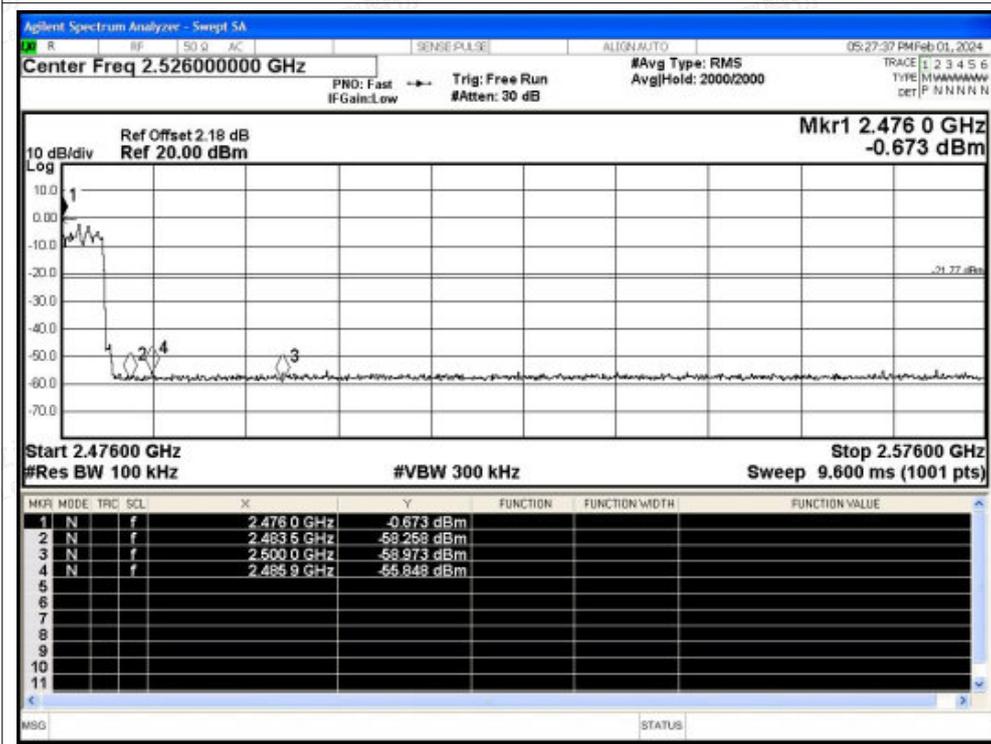




Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission





A.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-54.5	-20	Pass
NVNT	1-DH5	2441	Ant1	-55.41	-20	Pass
NVNT	1-DH5	2480	Ant1	-55.86	-20	Pass
NVNT	2-DH5	2402	Ant1	-54.28	-20	Pass
NVNT	2-DH5	2441	Ant1	-54.5	-20	Pass
NVNT	2-DH5	2480	Ant1	-54.2	-20	Pass
NVNT	3-DH5	2402	Ant1	-53.85	-20	Pass
NVNT	3-DH5	2441	Ant1	-55.12	-20	Pass
NVNT	3-DH5	2480	Ant1	-54.66	-20	Pass

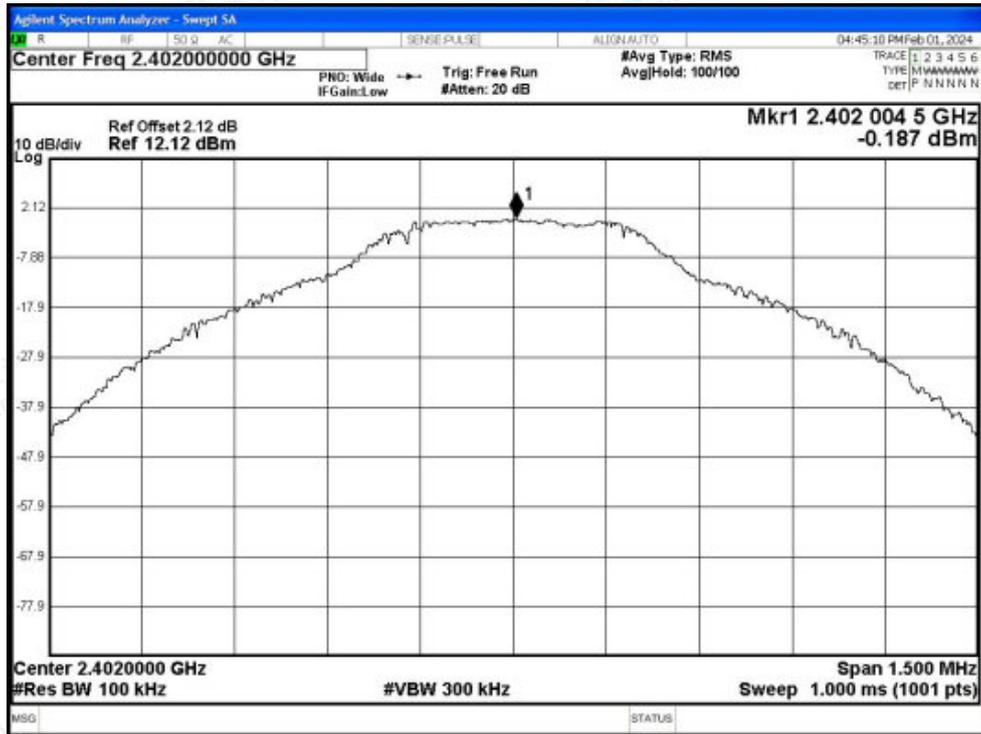


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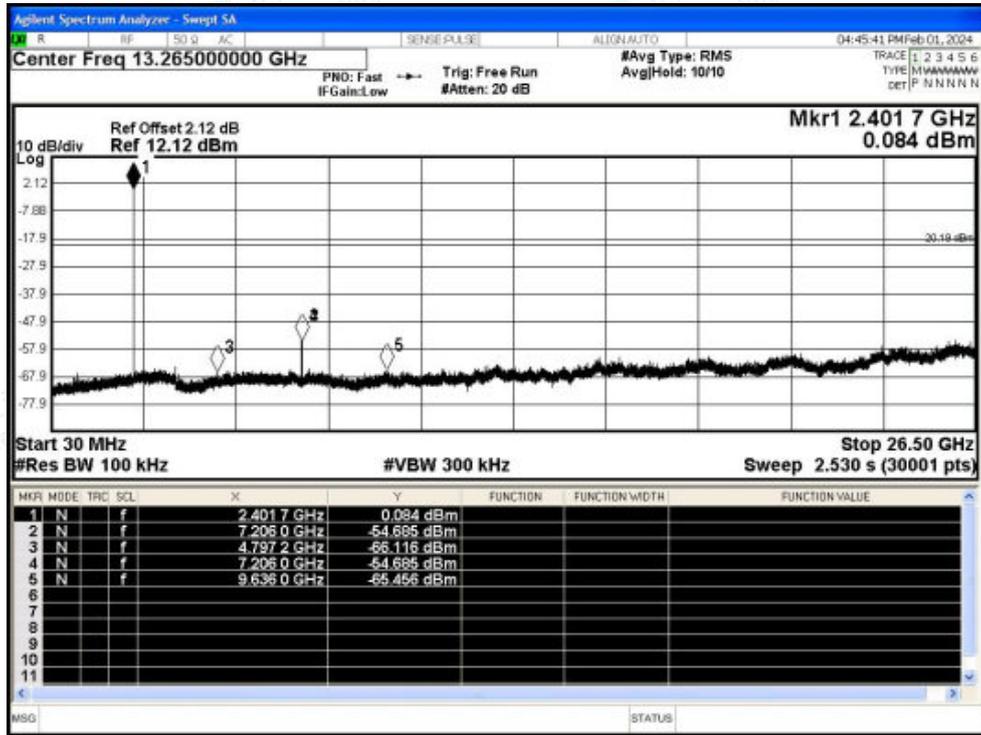


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

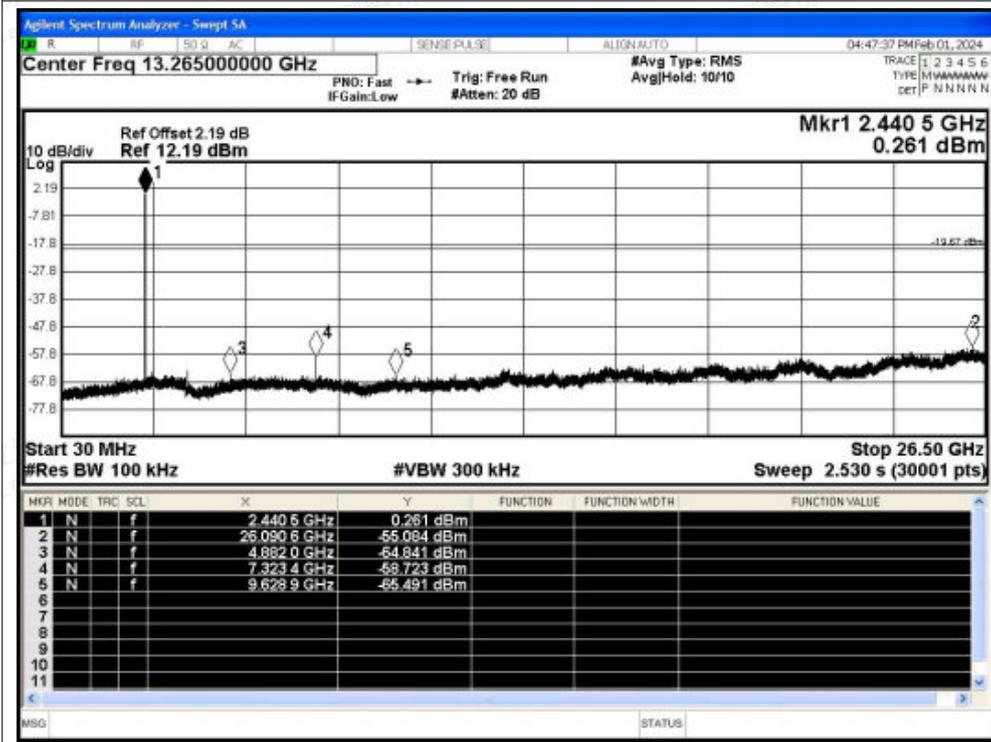




Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref

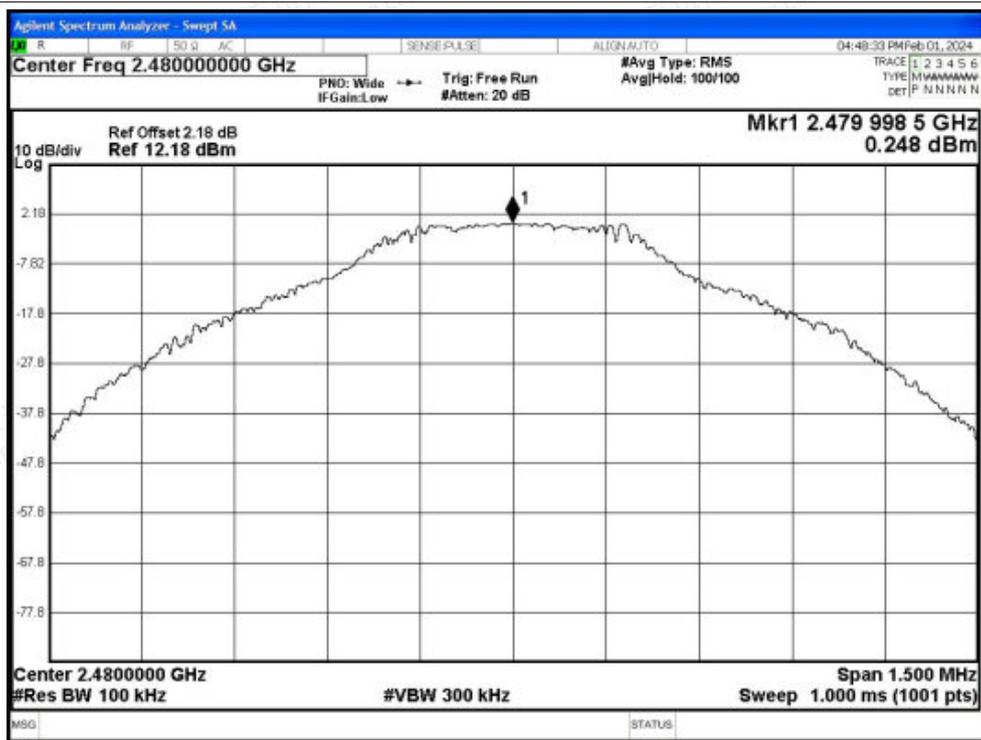


Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission

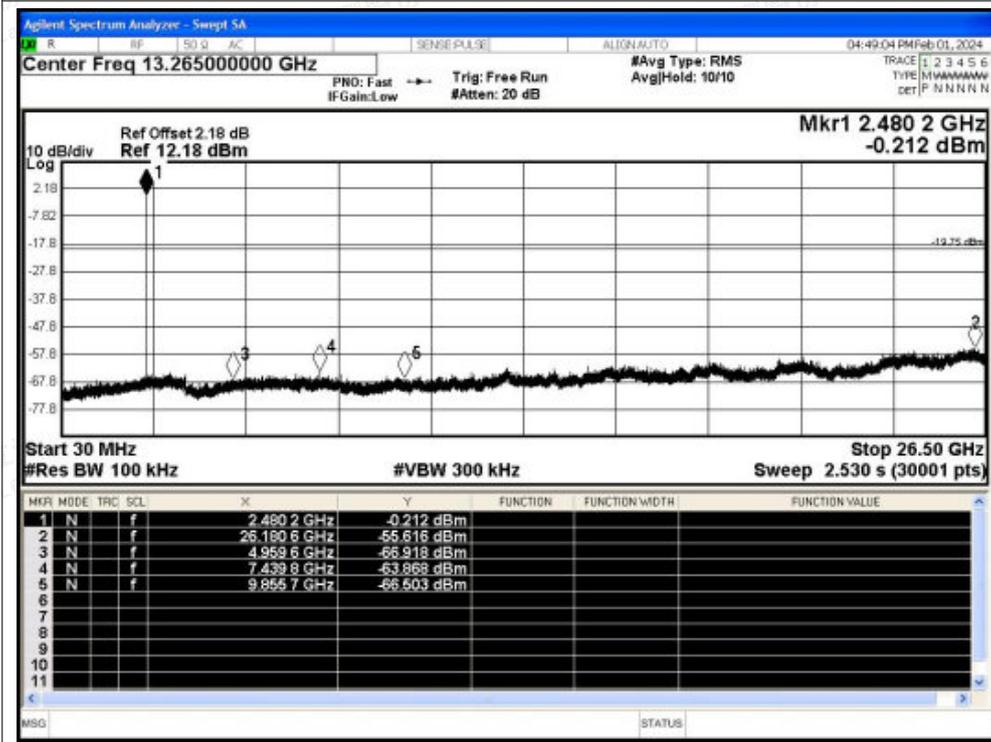




Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

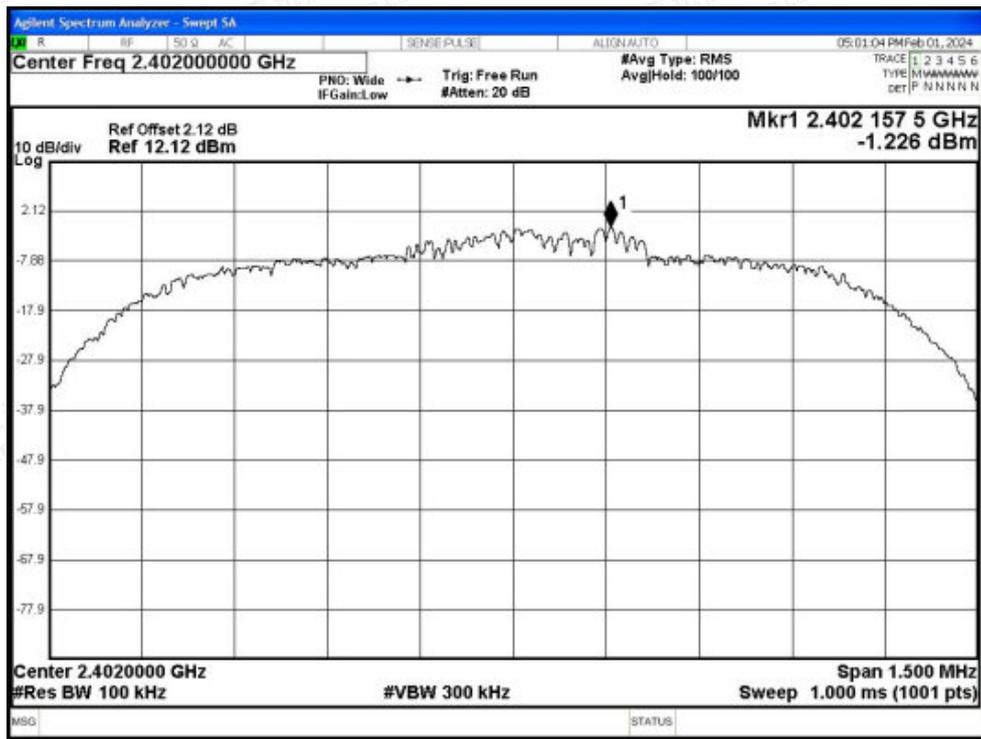


Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission

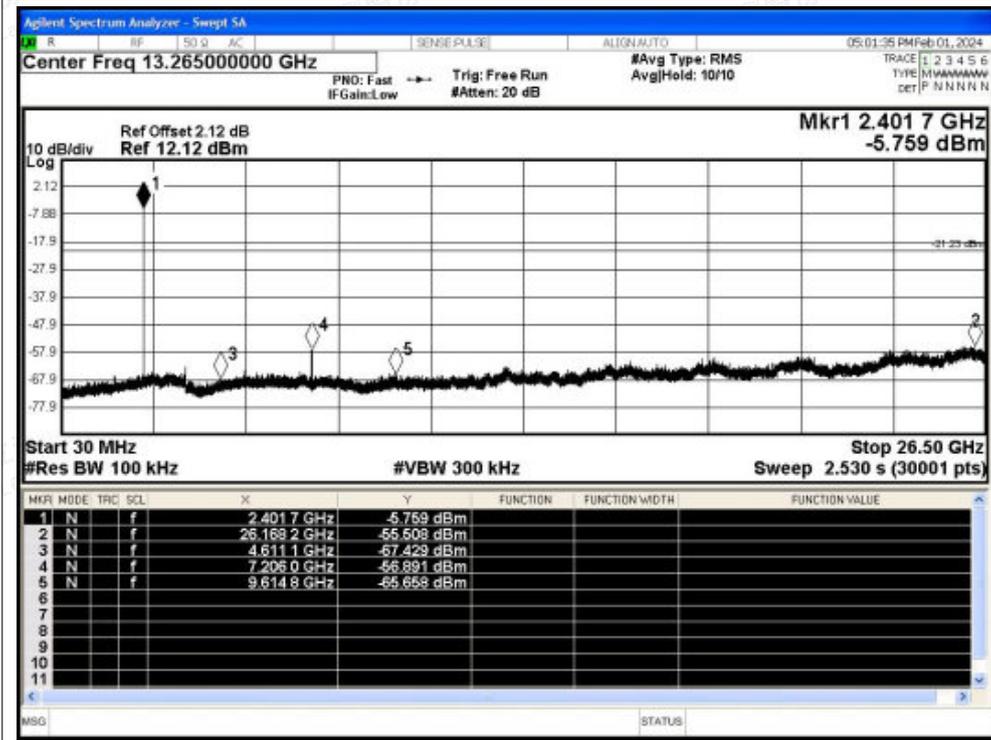




Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref

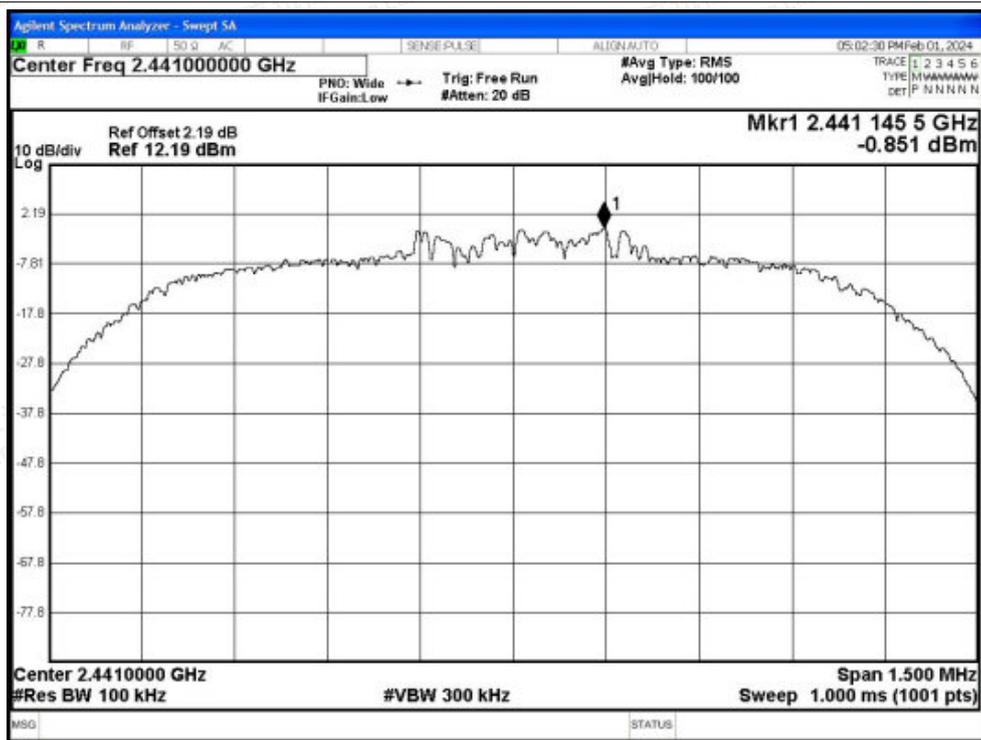


Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission

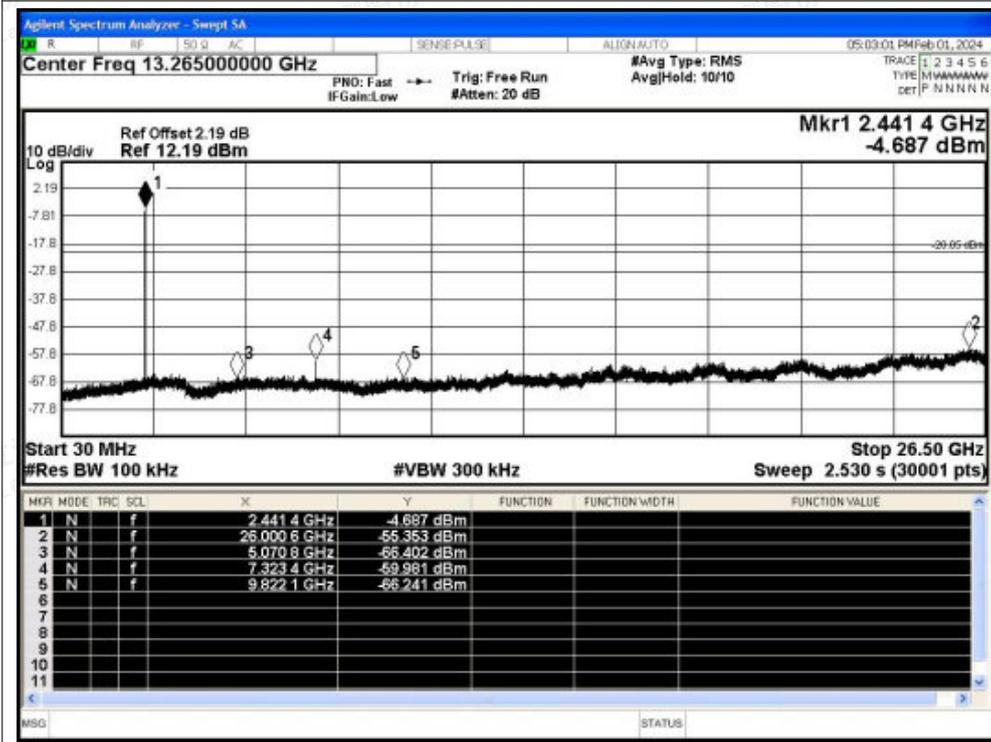




Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref

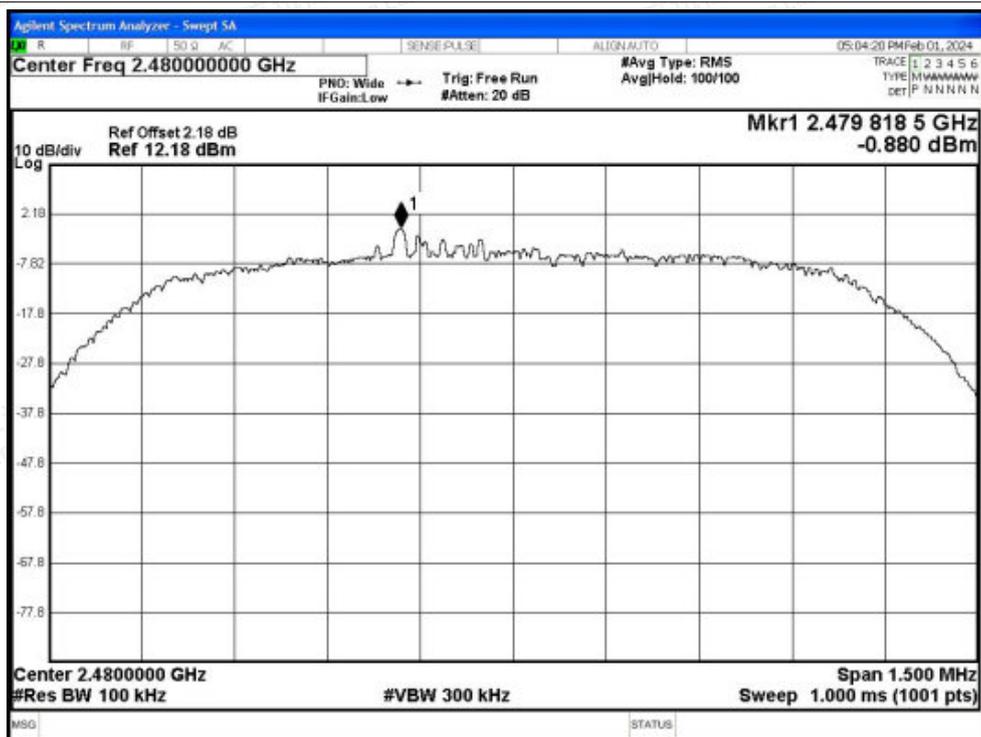


Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission

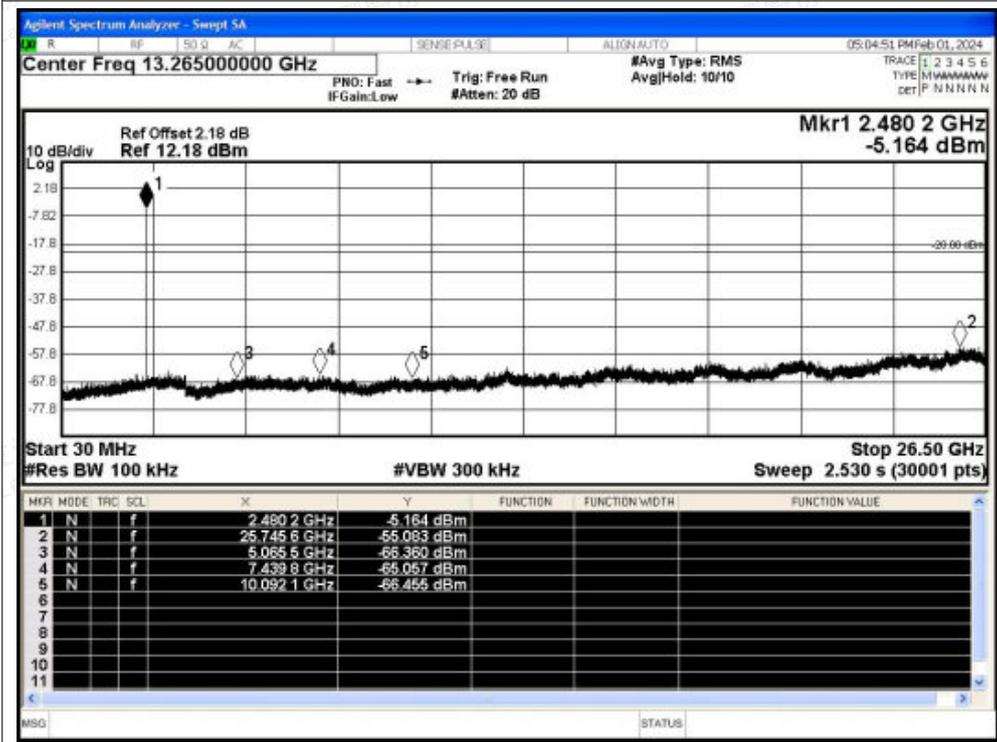




Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission

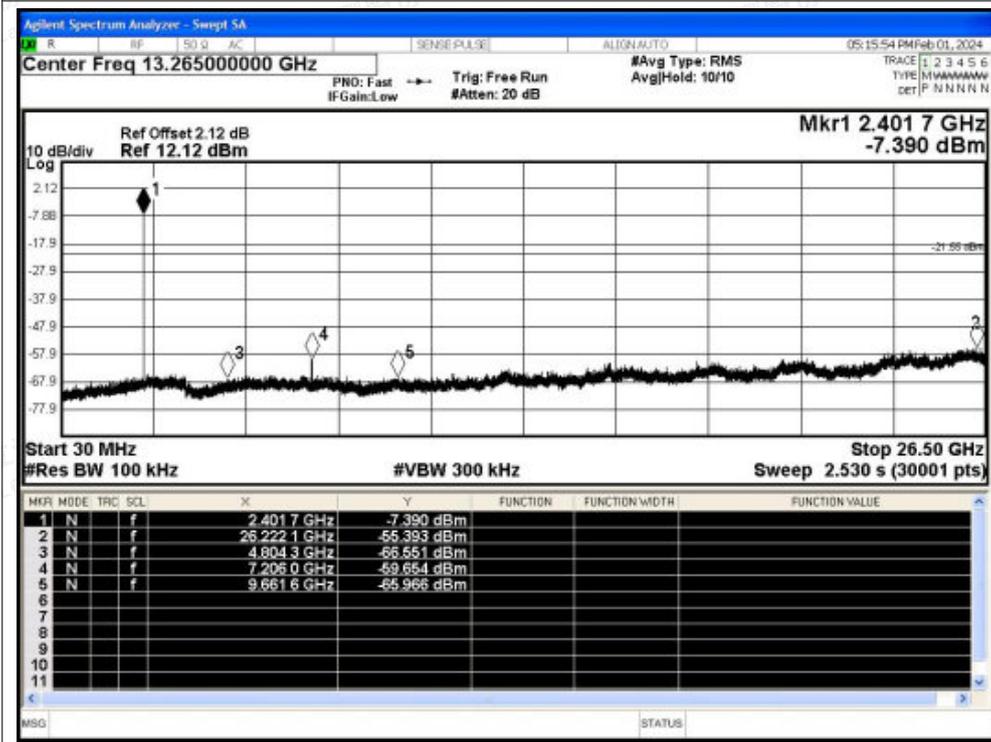




Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission

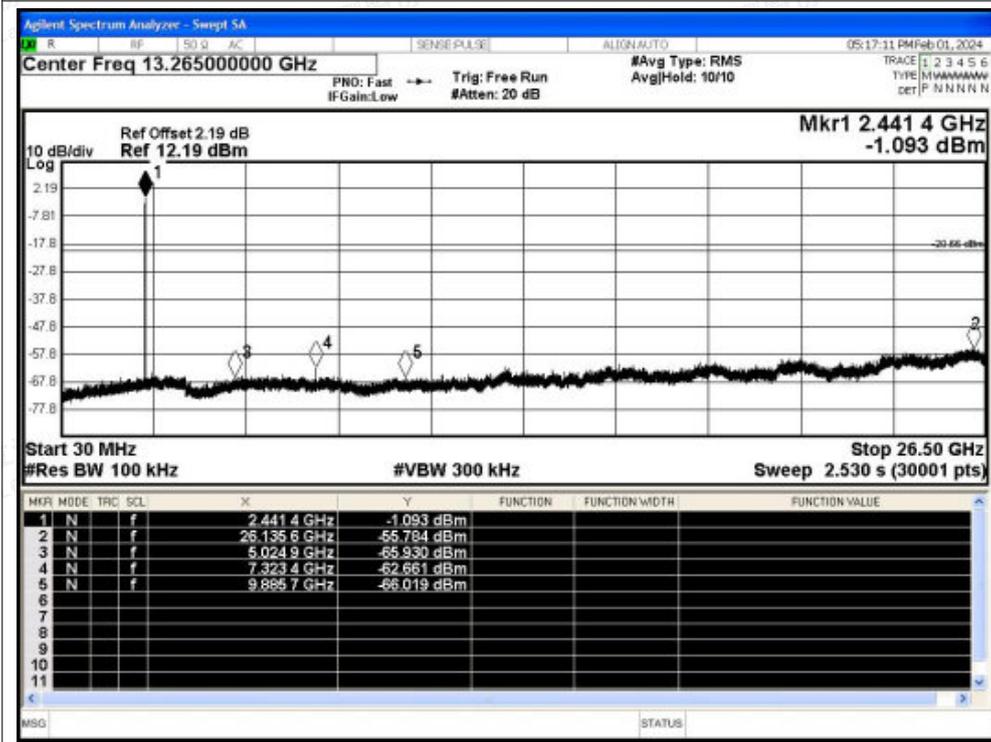




Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission

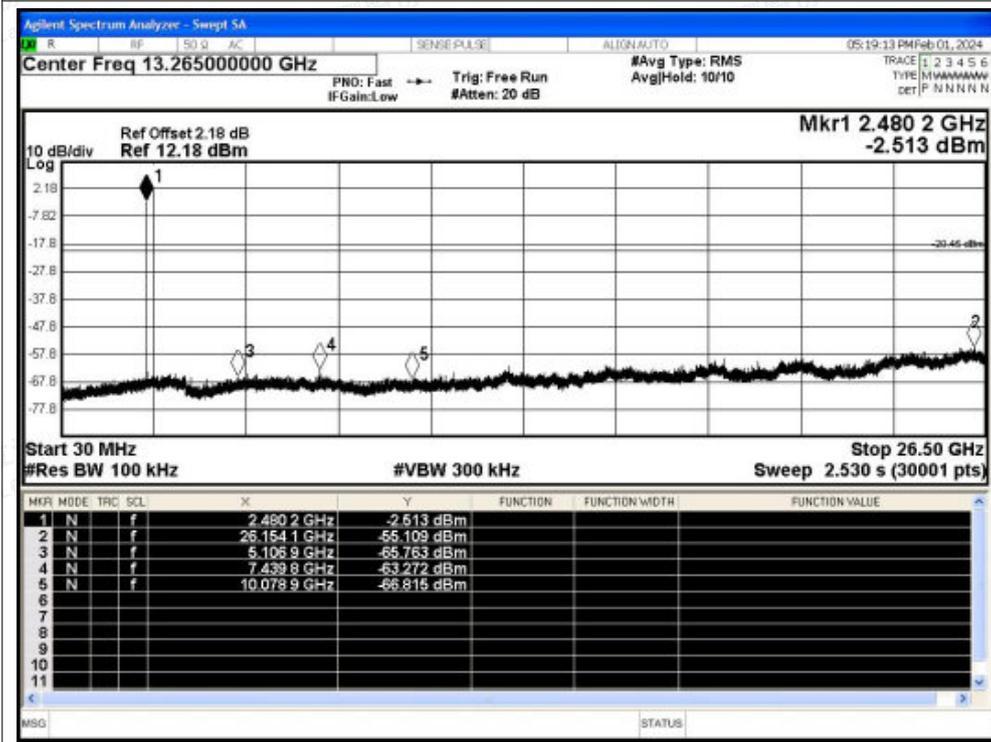




Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission





A.8 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	76.88	1.14	0.35
NVNT	1-DH5	2441	Ant1	76.91	1.14	0.35
NVNT	1-DH5	2480	Ant1	76.91	1.14	0.35
NVNT	2-DH5	2402	Ant1	76.96	1.14	0.35
NVNT	2-DH5	2441	Ant1	76.99	1.14	0.35
NVNT	2-DH5	2480	Ant1	76.96	1.14	0.35
NVNT	3-DH5	2402	Ant1	77.01	1.13	0.35
NVNT	3-DH5	2441	Ant1	77.04	1.13	0.35
NVNT	3-DH5	2480	Ant1	77.01	1.13	0.35

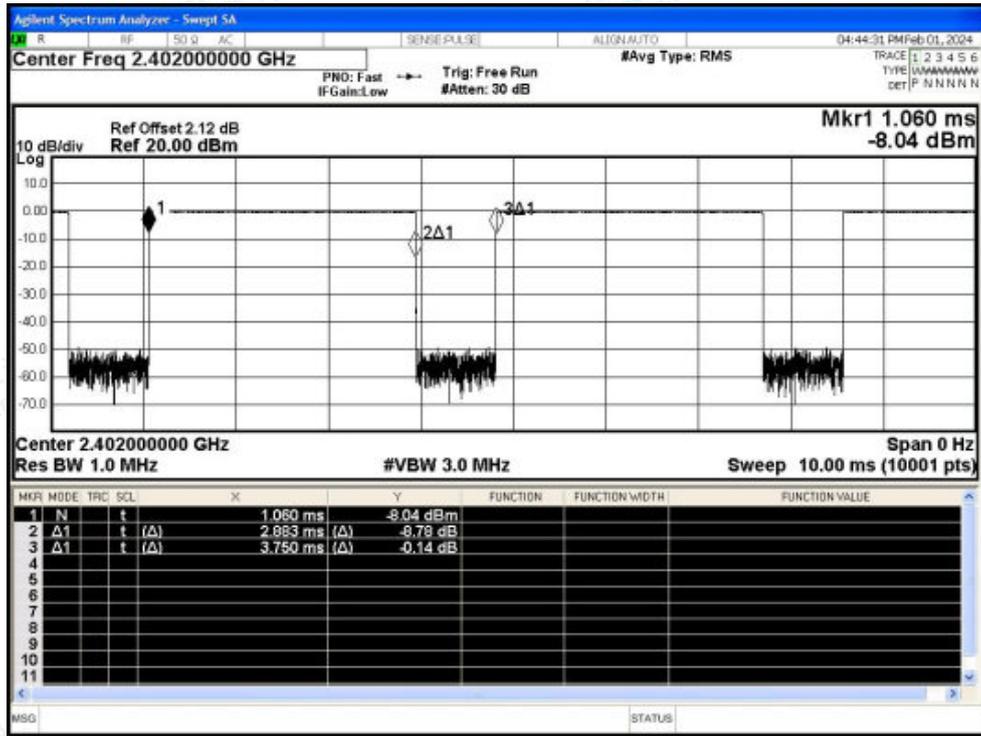


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

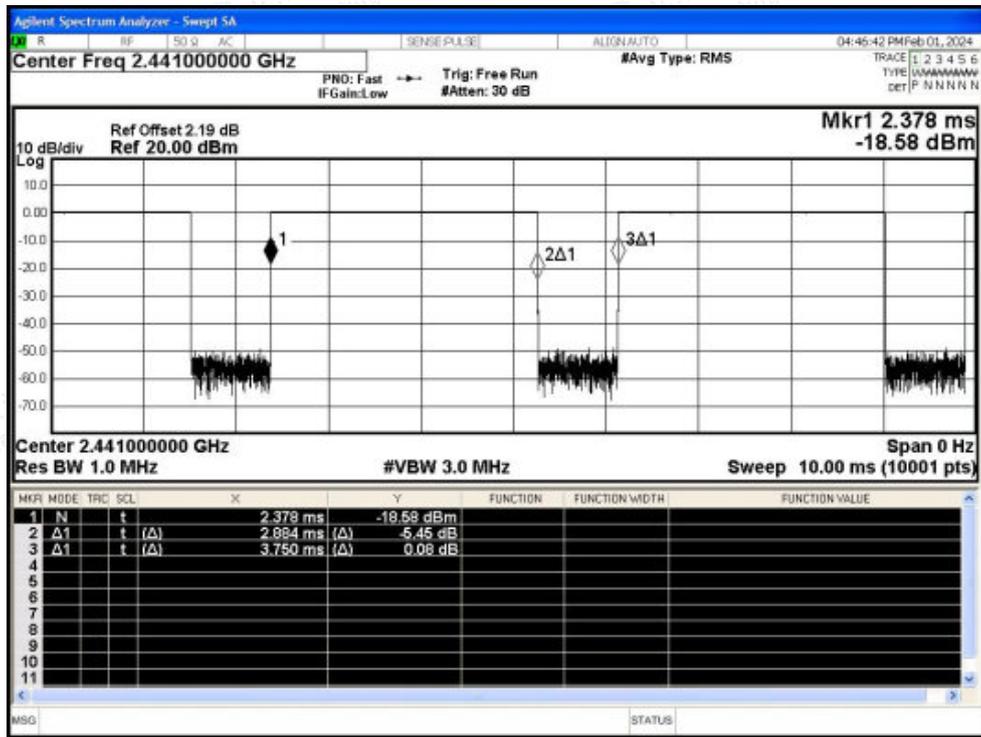


Test Graphs

Duty Cycle NVNT 1-DH5 2402MHz Ant1

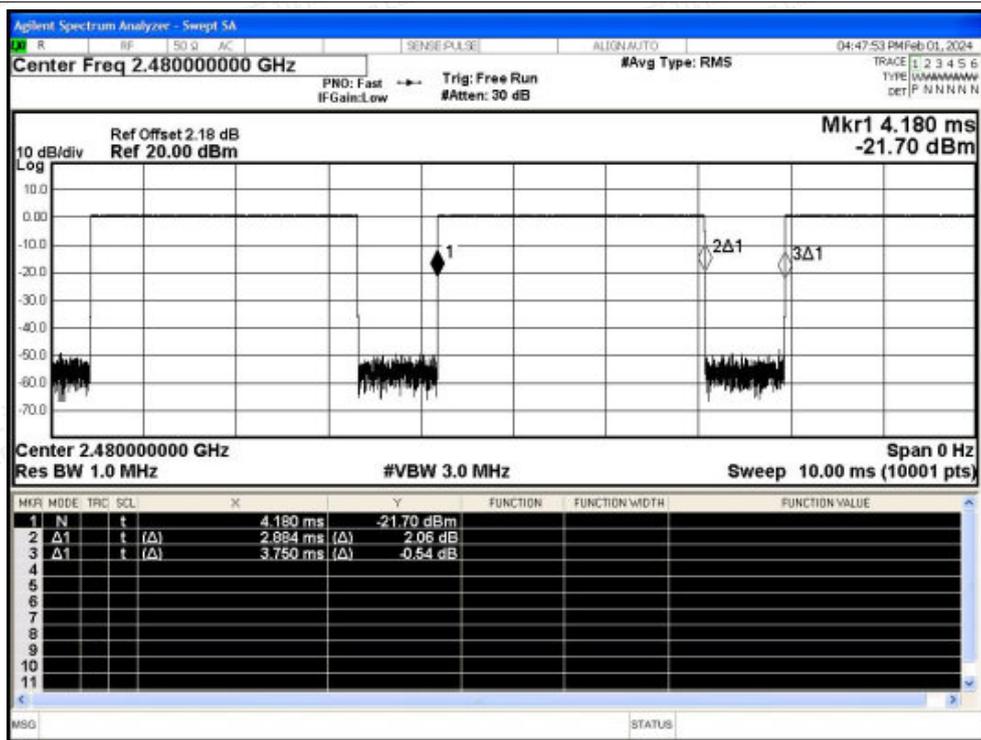


Duty Cycle NVNT 1-DH5 2441MHz Ant1

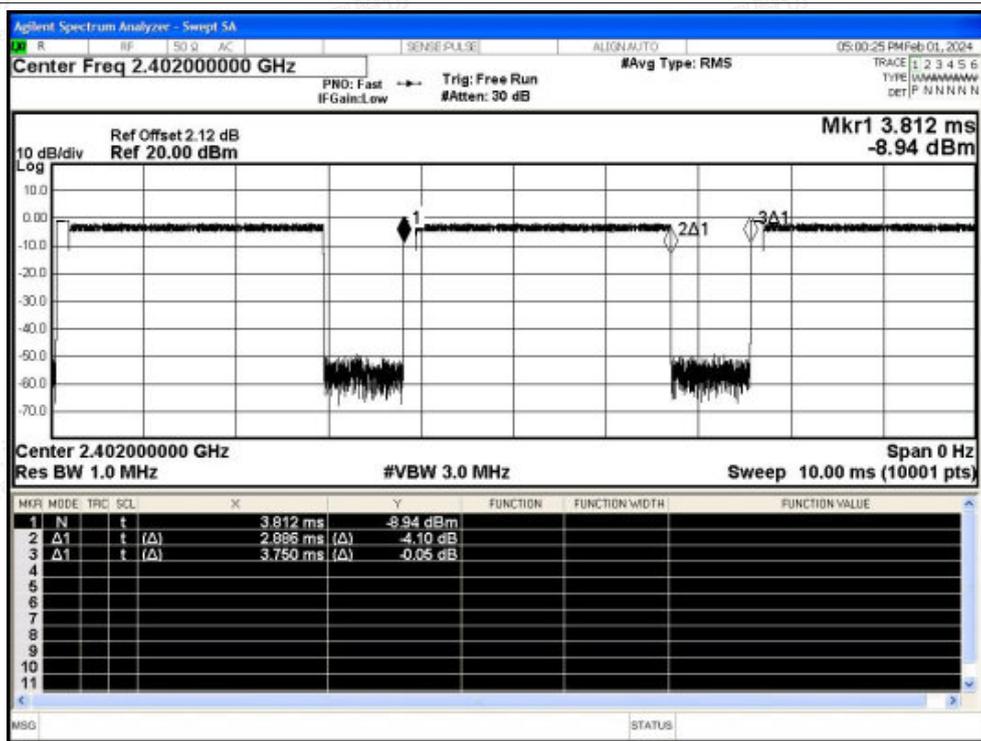




Duty Cycle NVNT 1-DH5 2480MHz Ant1

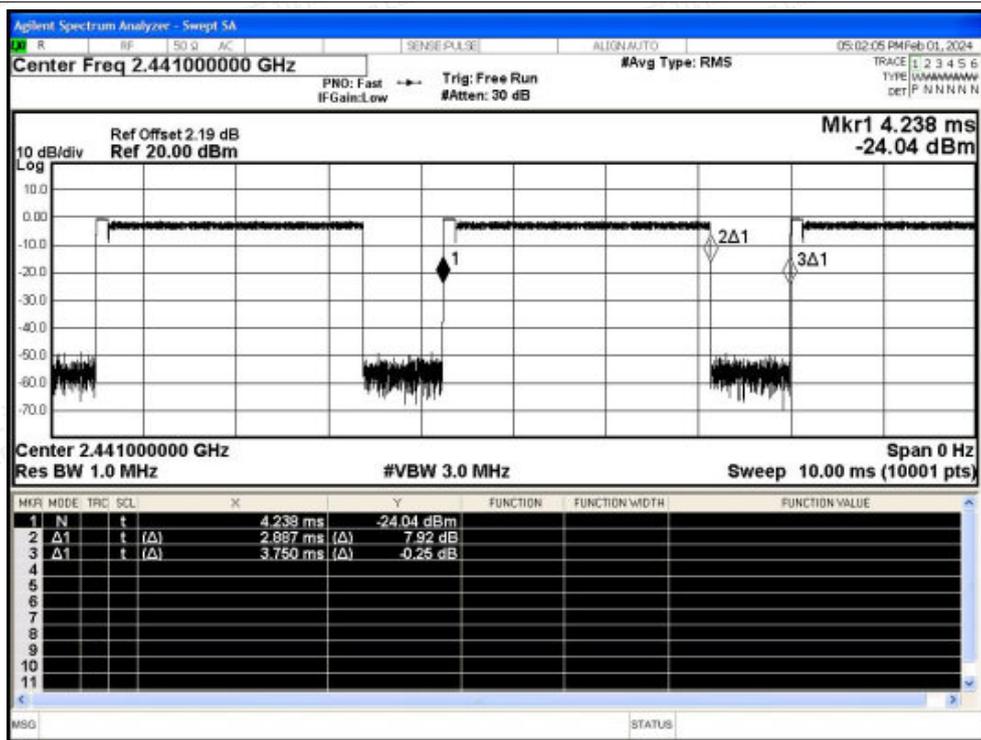


Duty Cycle NVNT 2-DH5 2402MHz Ant1

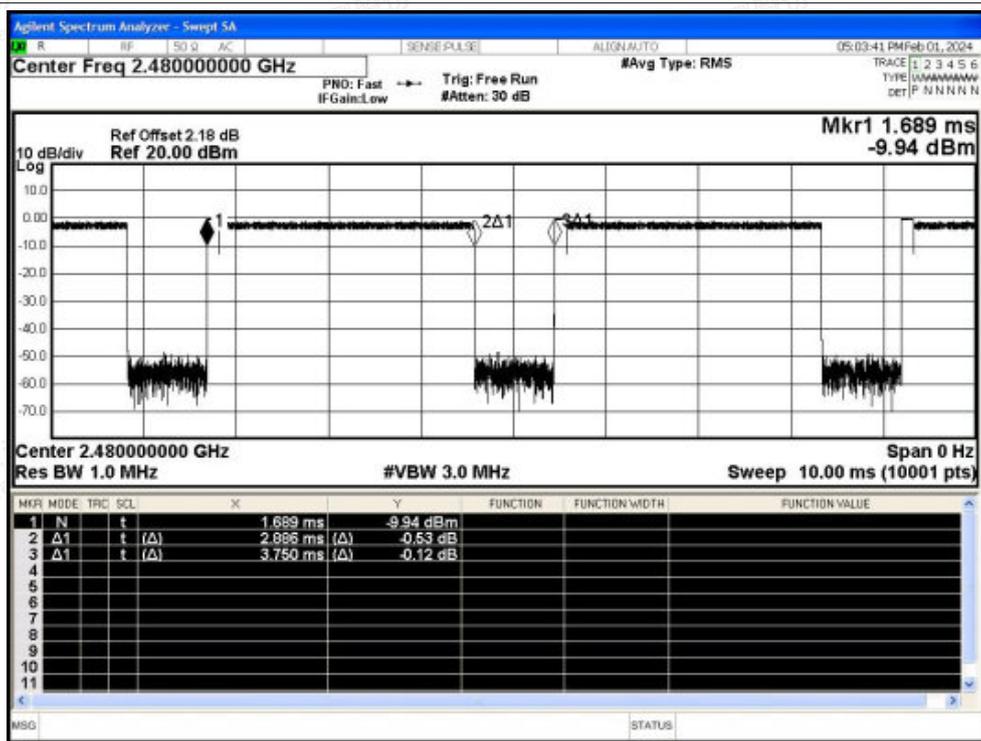




Duty Cycle NVNT 2-DH5 2441MHz Ant1

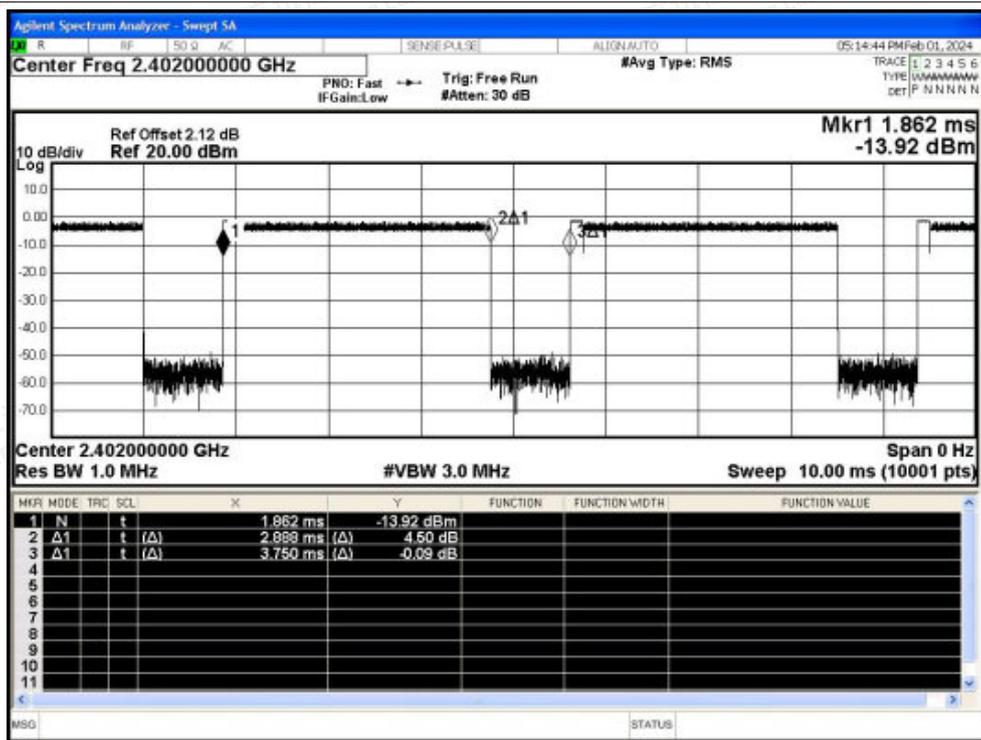


Duty Cycle NVNT 2-DH5 2480MHz Ant1

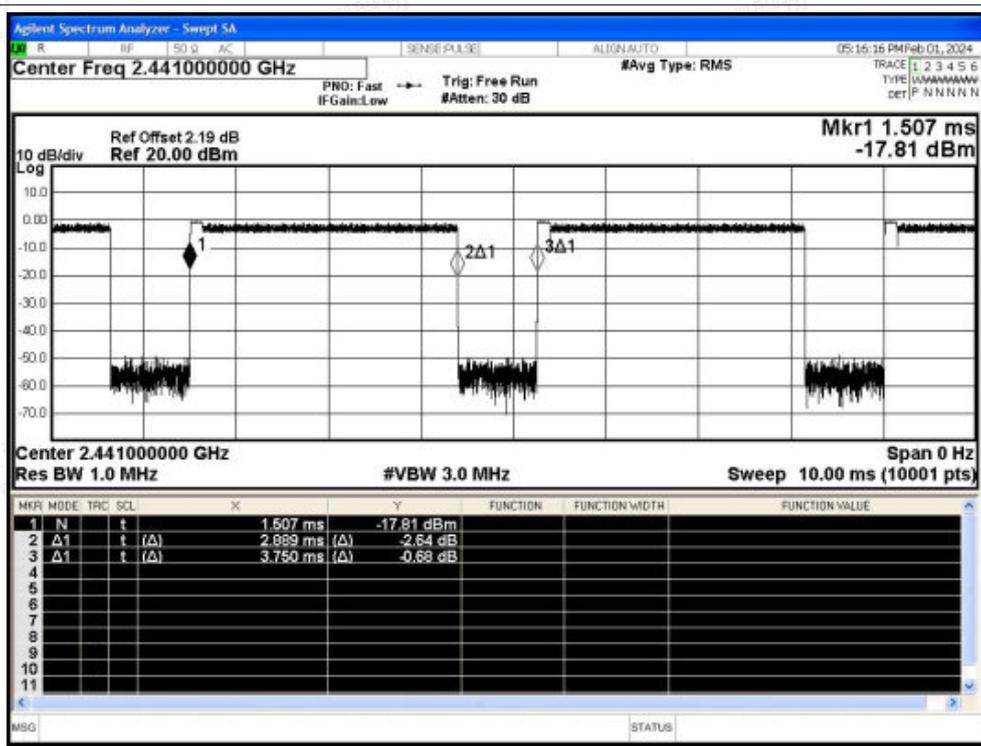




Duty Cycle NVNT 3-DH5 2402MHz Ant1

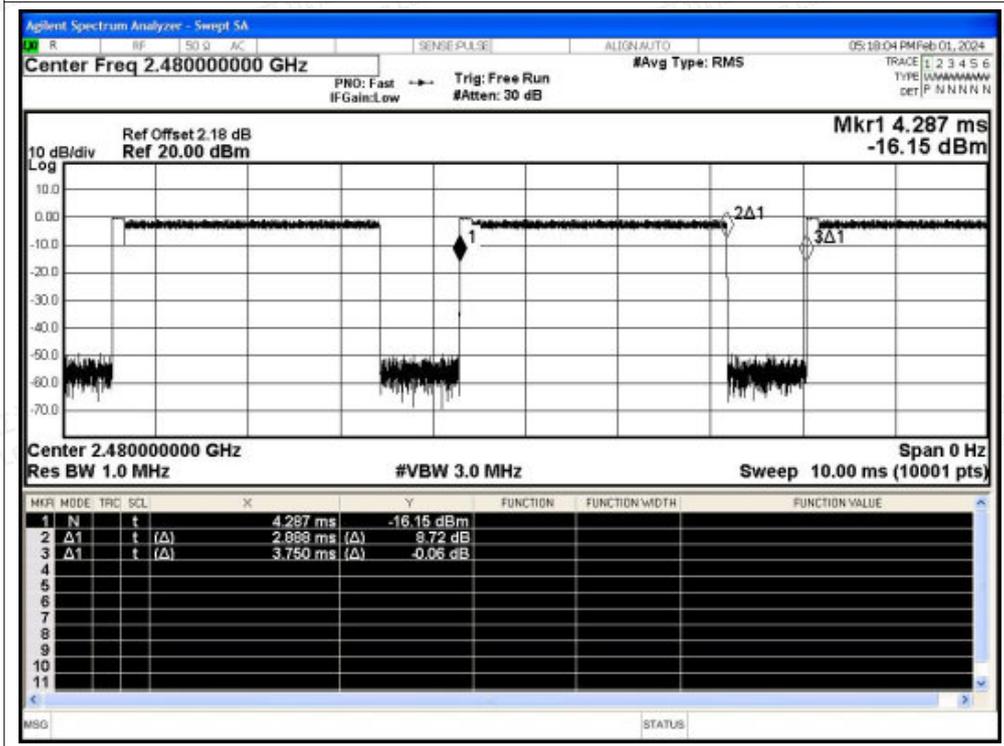


Duty Cycle NVNT 3-DH5 2441MHz Ant1





Duty Cycle NVNT 3-DH5 2480MHz Ant1





A.9 Restrict Band

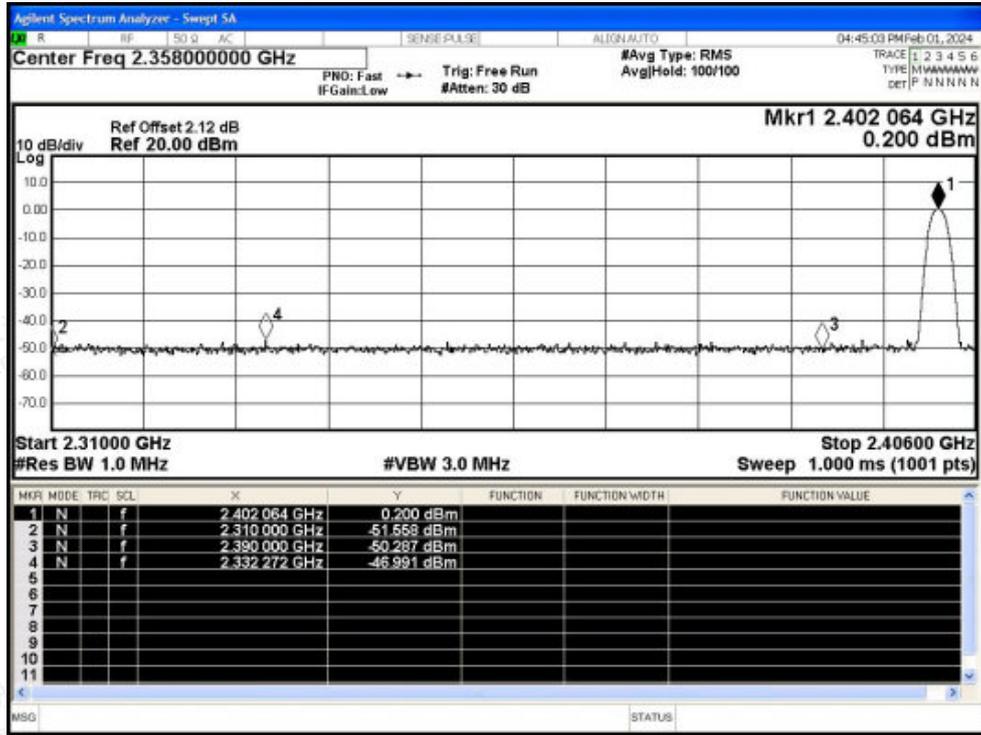
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-51.56	2	-	45.7	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-59.15	2	1.14	39.25	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2332.272	-46.99	2	-	50.27	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2353.392	-57.37	2	1.14	41.03	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-50.29	2	-	46.97	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-57.88	2	1.14	40.52	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-50.1	2	-	47.16	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-57.78	2	1.14	40.62	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2491.84	-46.7	2	-	50.56	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2490.688	-57.05	2	1.14	41.35	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-48.71	2	-	48.55	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-57.67	2	1.14	40.73	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-51.34	2	-	45.92	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-59.21	2	1.14	39.19	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2365.104	-47.5	2	-	49.76	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2367.888	-57.74	2	1.14	40.66	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-49.35	2	-	47.91	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-58.11	2	1.14	40.29	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-50.36	2	-	46.9	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-57.95	2	1.14	40.45	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2488.432	-47.19	2	-	50.07	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.8	-57.22	2	1.14	41.18	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-50.91	2	-	46.35	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-58.06	2	1.14	40.34	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-50.79	2	-	46.47	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-58.56	2	1.13	39.83	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2355.024	-47.08	2	-	50.18	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2372.88	-57.65	2	1.13	40.74	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-50.78	2	-	46.48	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-58.53	2	1.13	39.86	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-49.76	2	-	47.5	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-57.72	2	1.13	40.67	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2497.528	-47.14	2	-	50.12	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2486.512	-56.99	2	1.13	41.4	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-47.94	2	-	49.32	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-58.23	2	1.13	40.16	Average	54	Pass



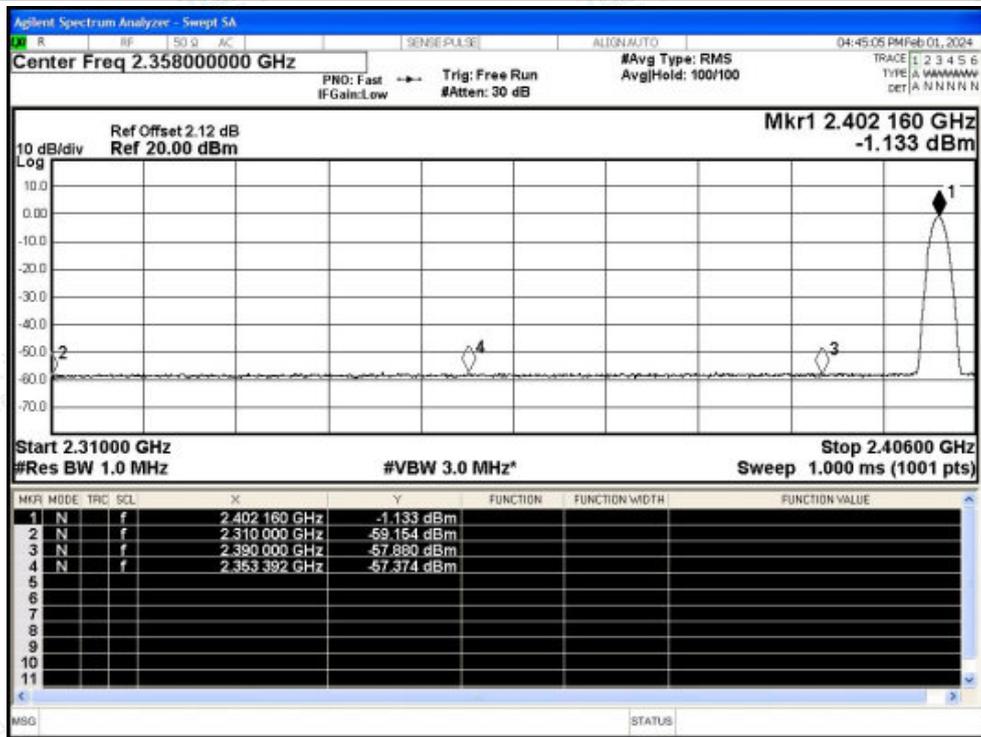


Test Graphs

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

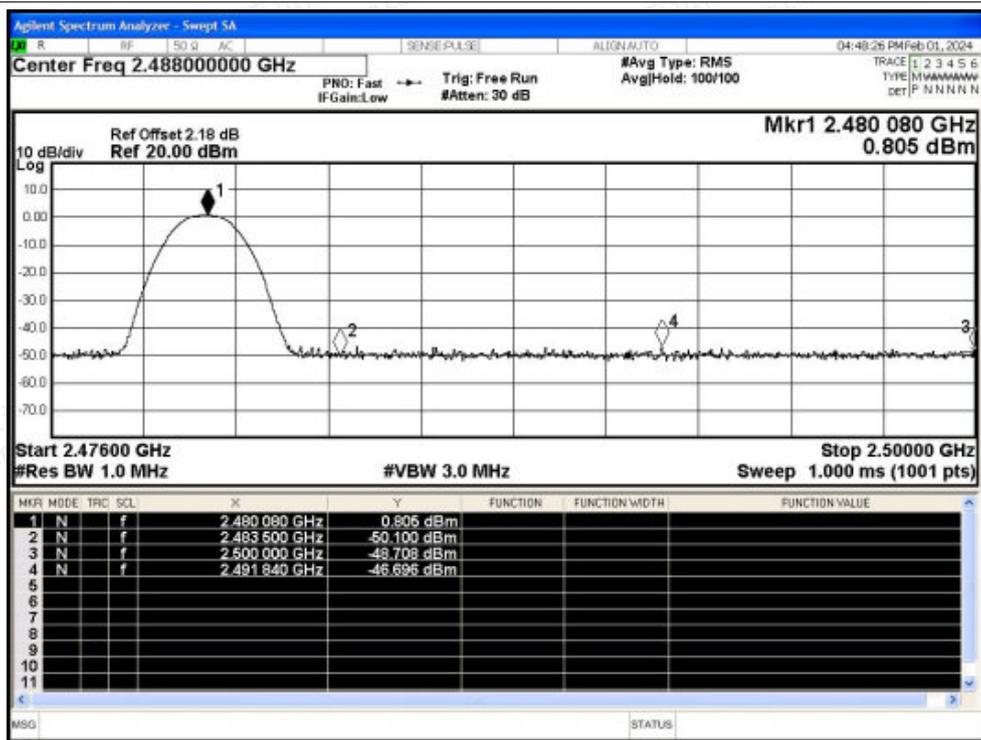


Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average

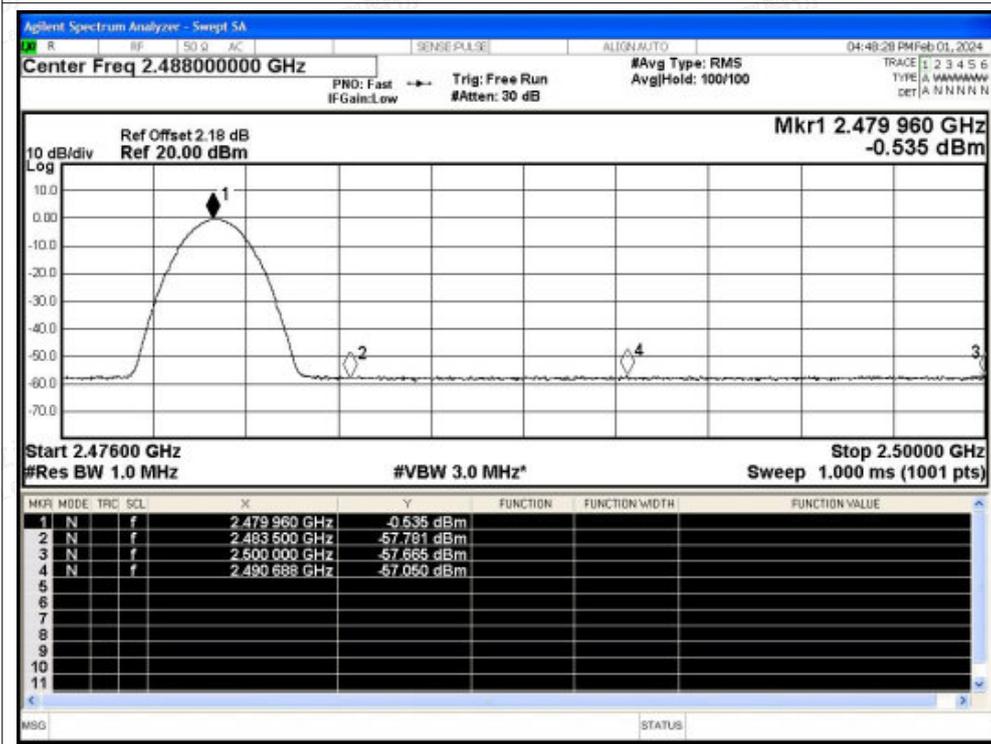




Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

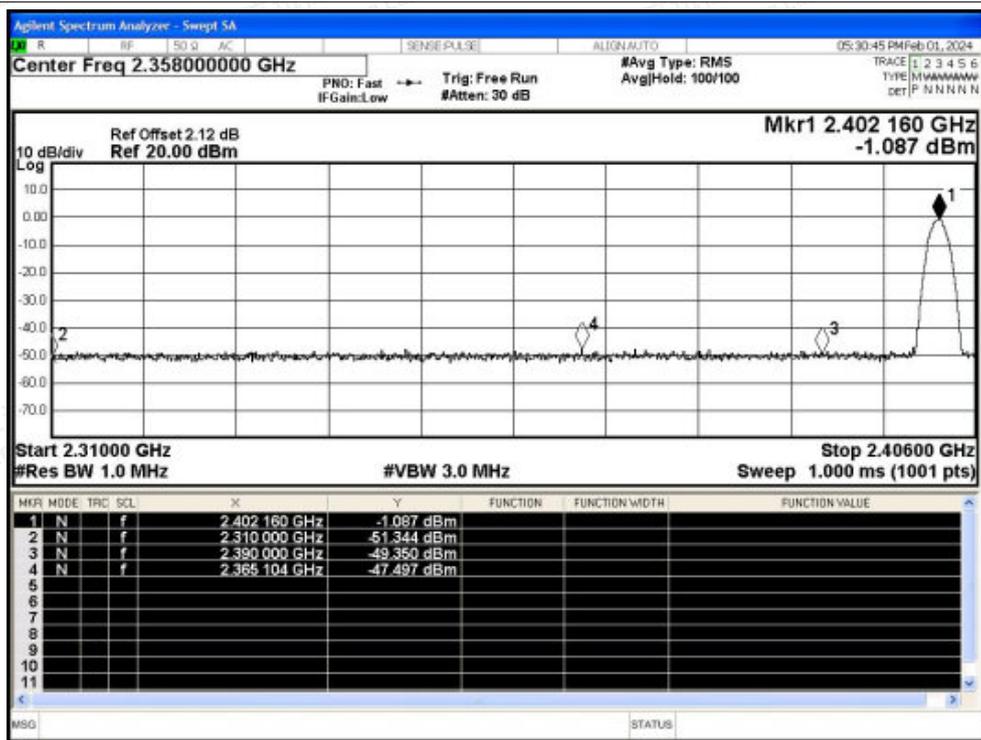


Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average

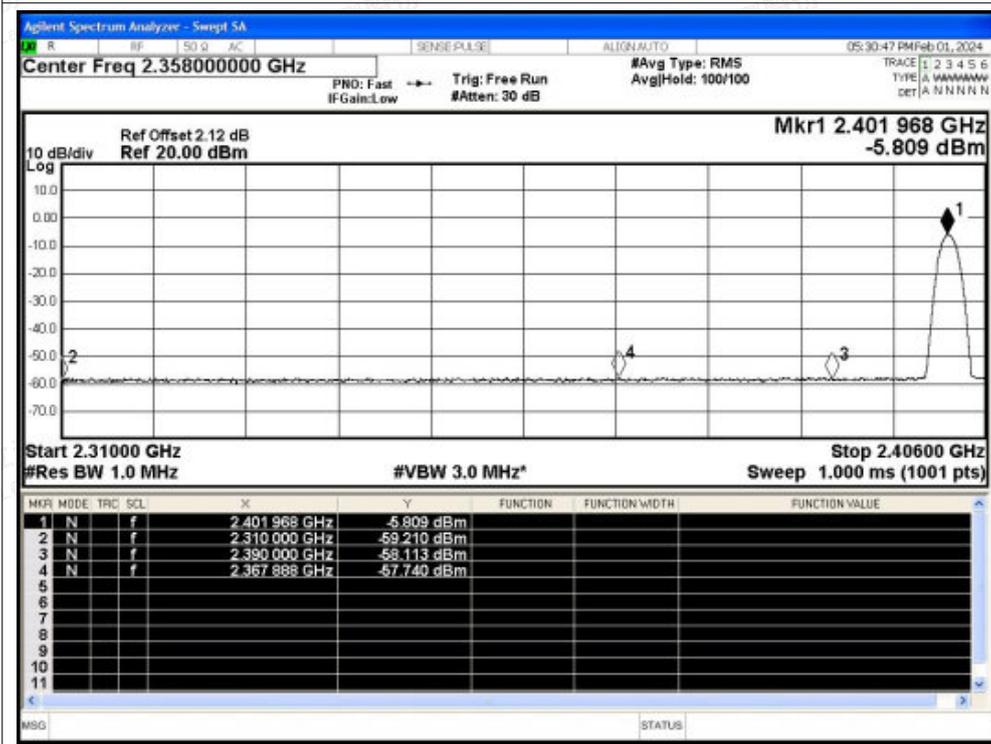




Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak

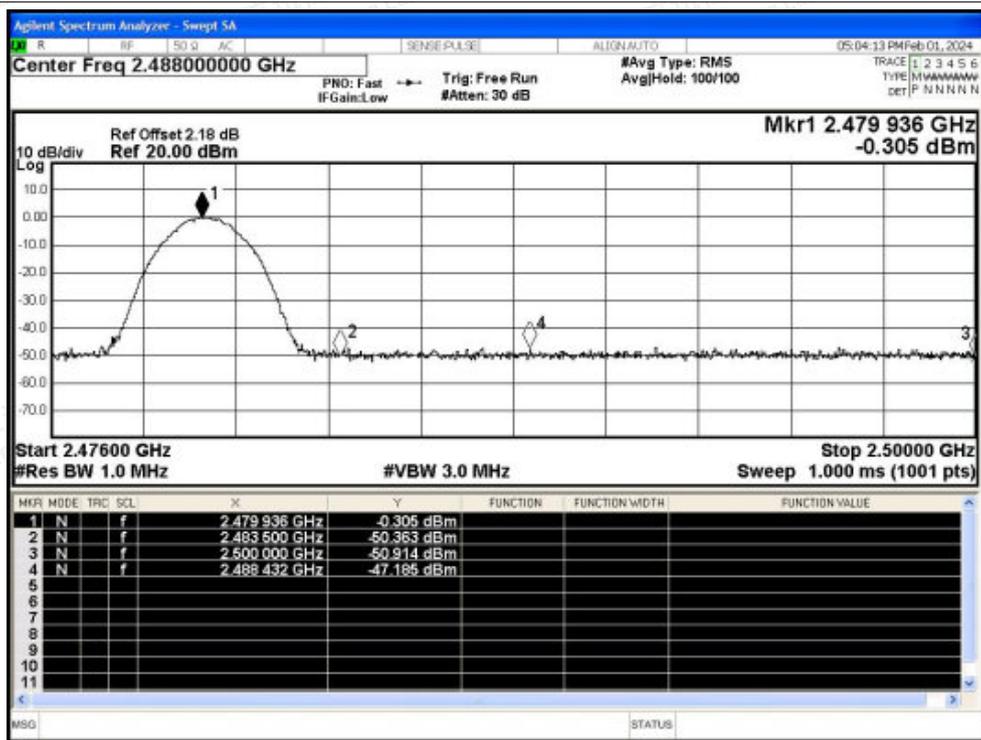


Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average

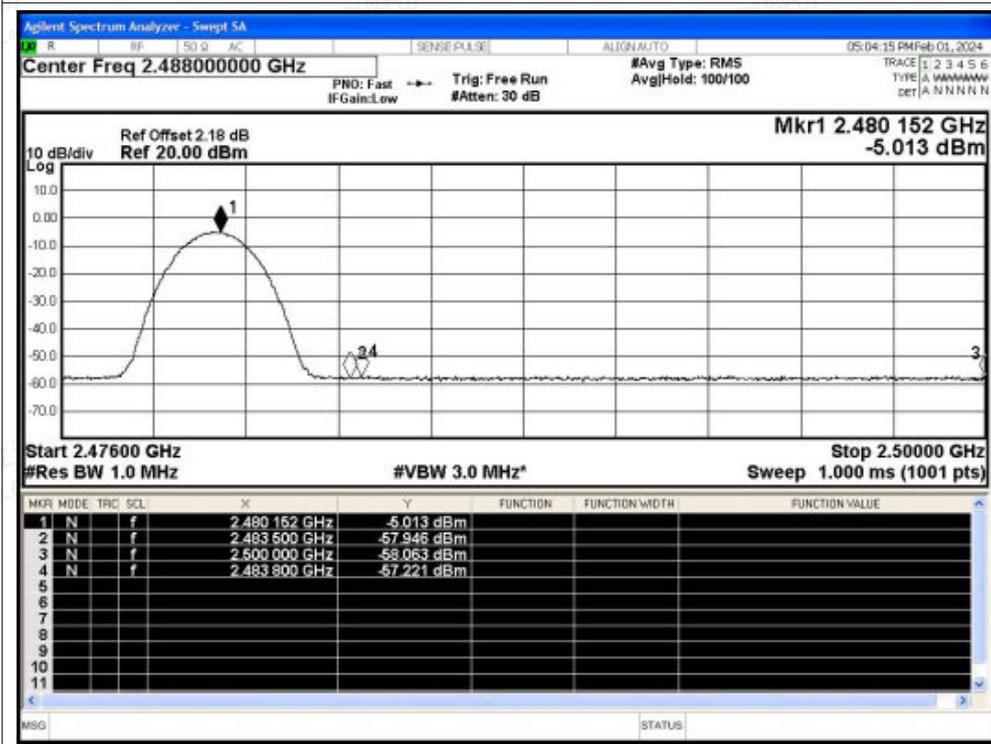




Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak

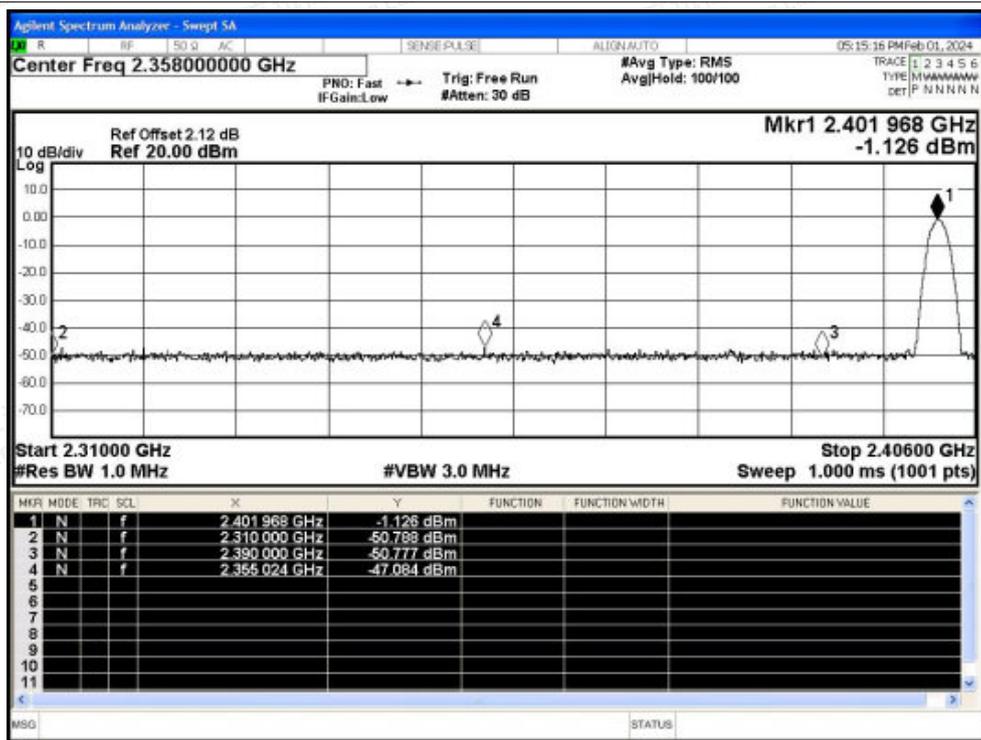


Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Average

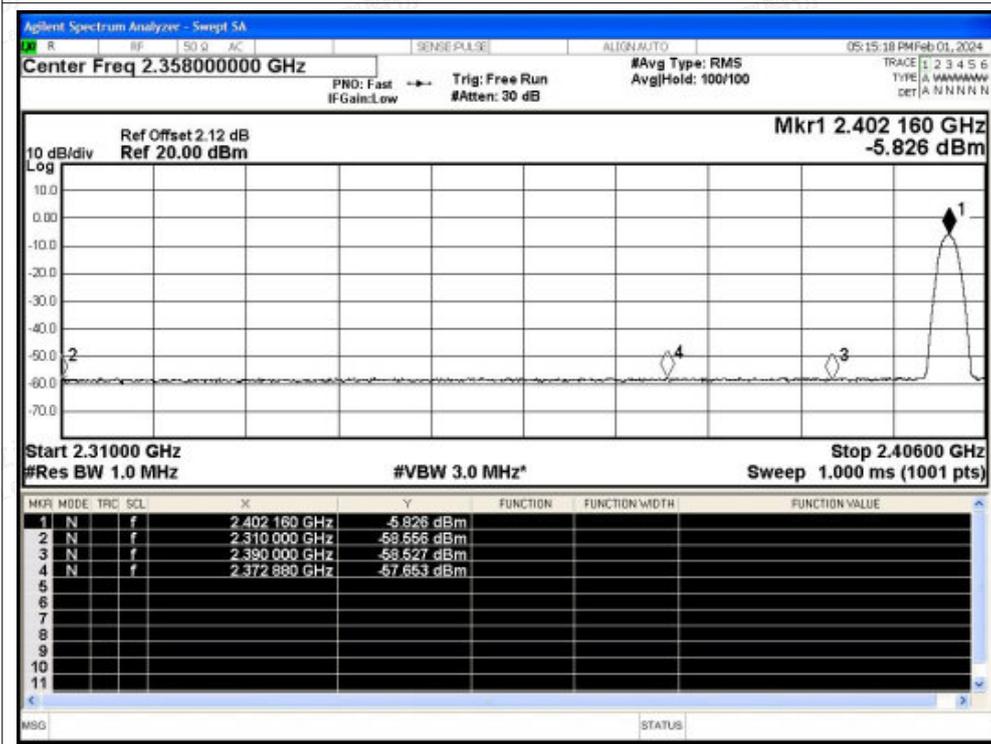




Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak

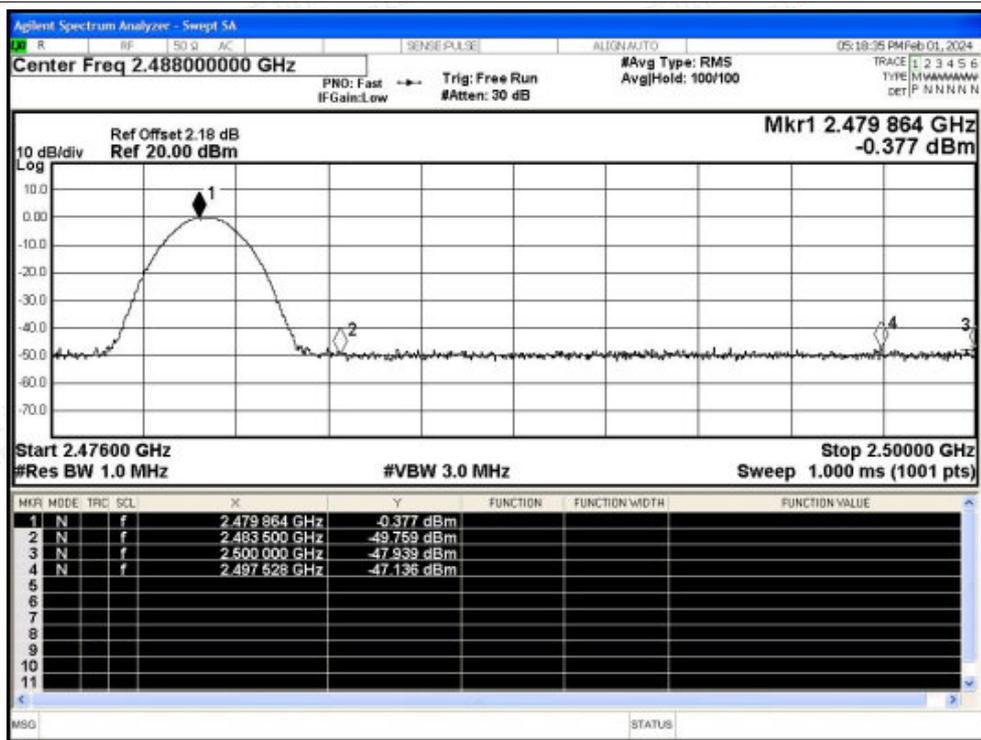


Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Average





Restrict Band NVNT 3-DH5 2480MHz Ant1 No-Hopping Peak



Restrict Band NVNT 3-DH5 2480MHz Ant1 No-Hopping Average

