



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: MINI PC

Test Model: B00JP3

Environmental Conditions

Temperature:	23.5℃
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Bill Zhu
Supervised by:	Li Huan





A.1 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.014	-	Pass
NVNT	1-DH5	2441	Ant1	1.023	-	Pass
NVNT	1-DH5	2480	Ant1	1.031	-	Pass
NVNT	2-DH5	2402	Ant1	1.271	-	Pass
NVNT	2-DH5	2441	Ant1	1.289	-	Pass
NVNT	2-DH5	2480	Ant1	1.283	-	Pass
NVNT	3-DH5	2402	Ant1	1.279	-	Pass
NVNT	3-DH5	2441	Ant1	1.298	-	Pass
NVNT	3-DH5	2480	Ant1	1.307	-	Pass



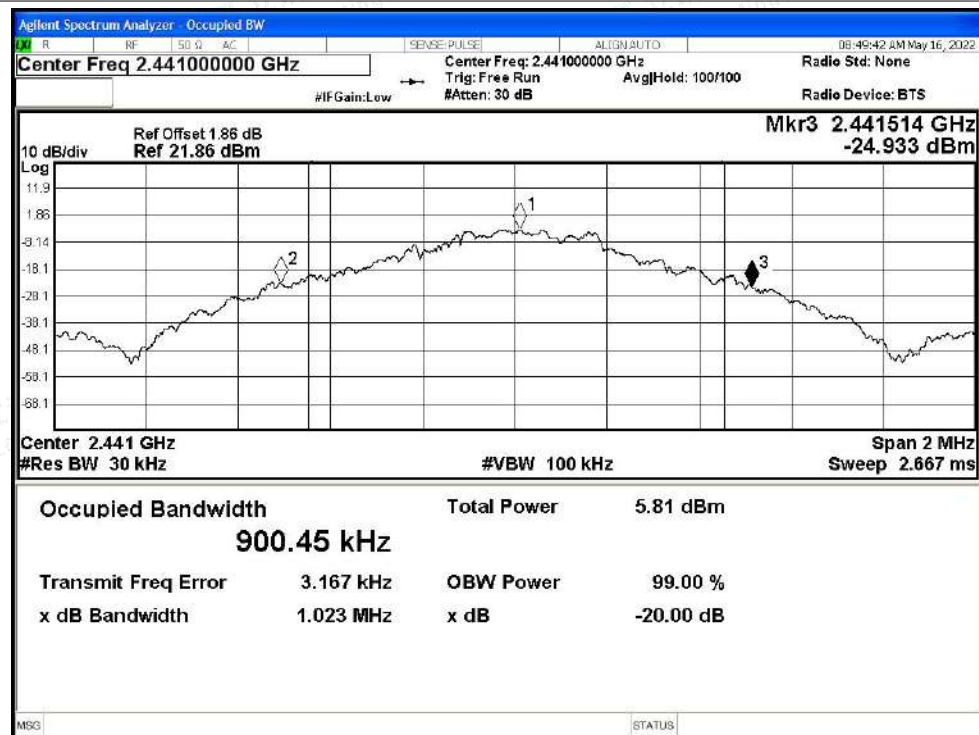


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

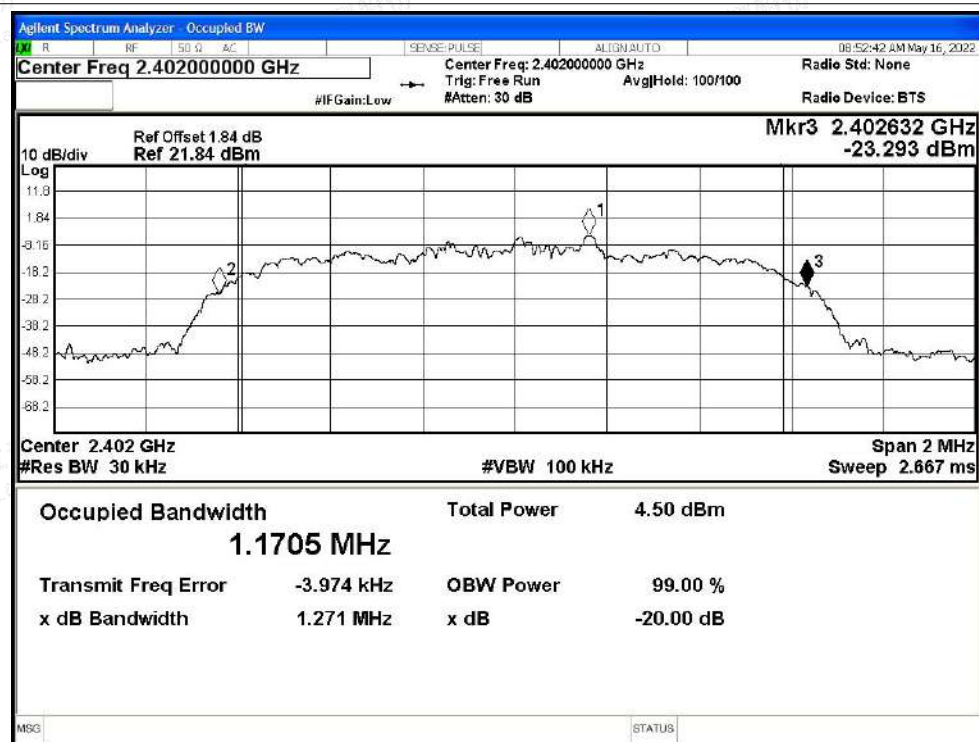




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

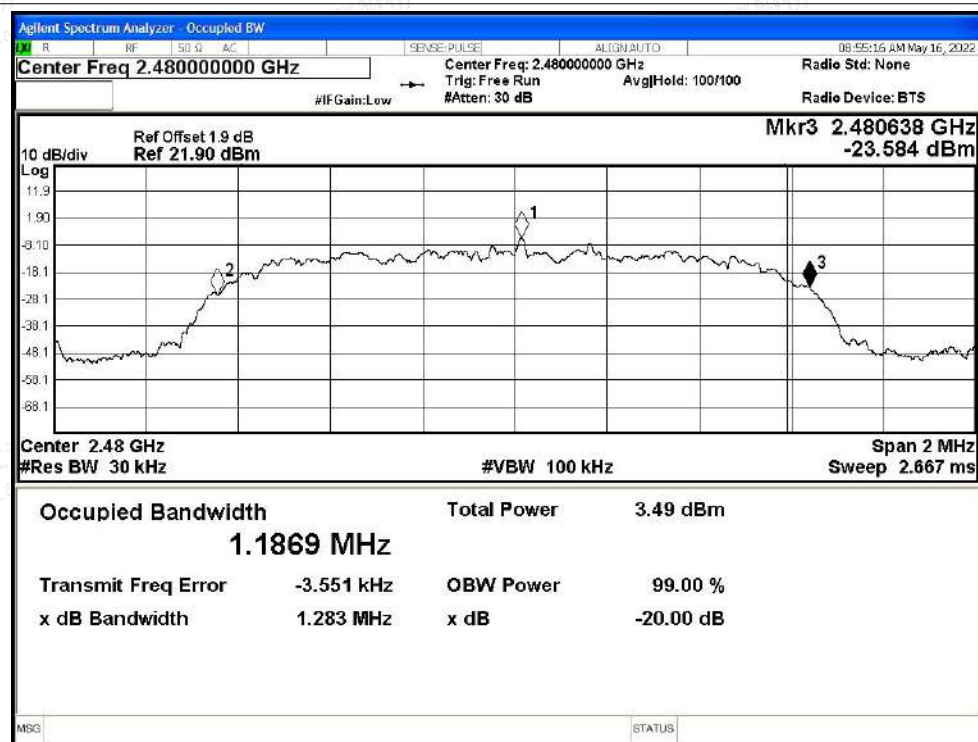




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1

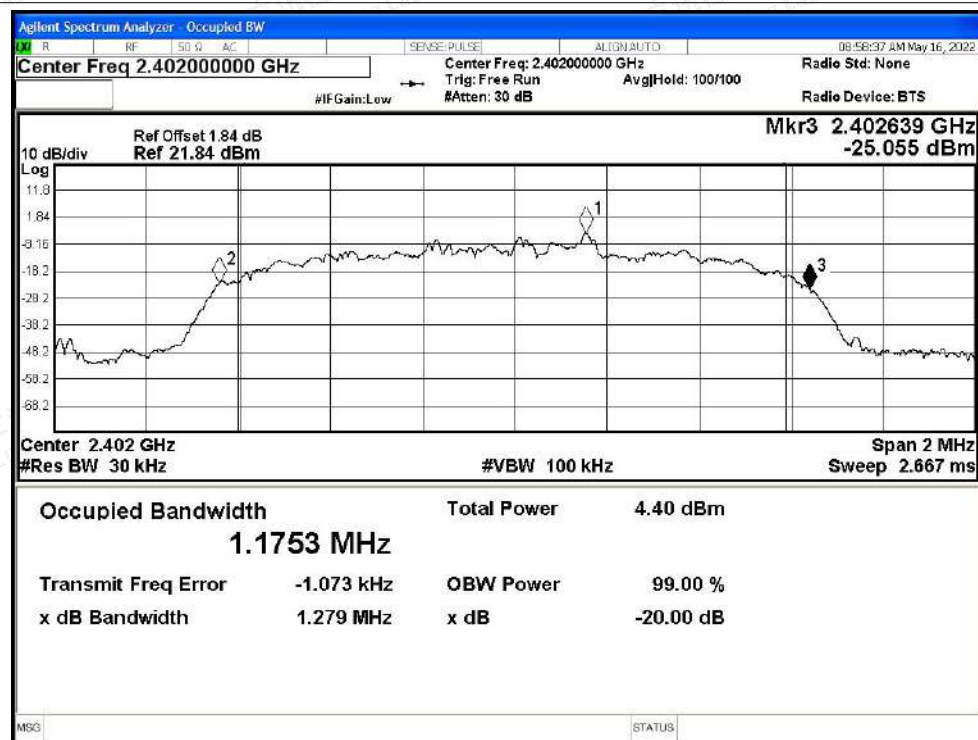


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

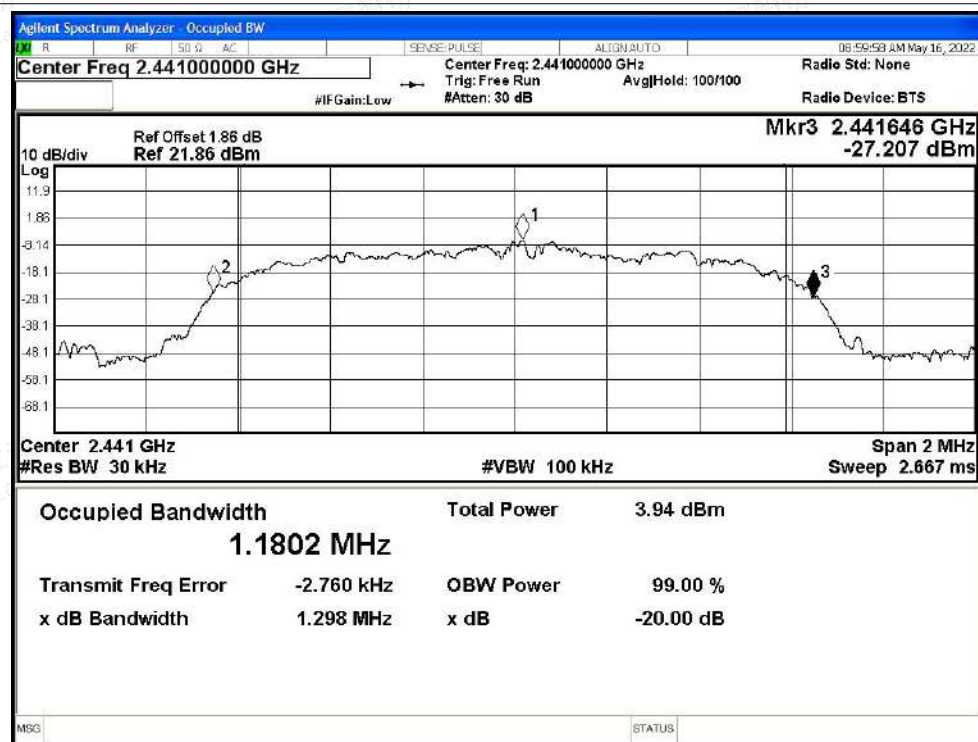


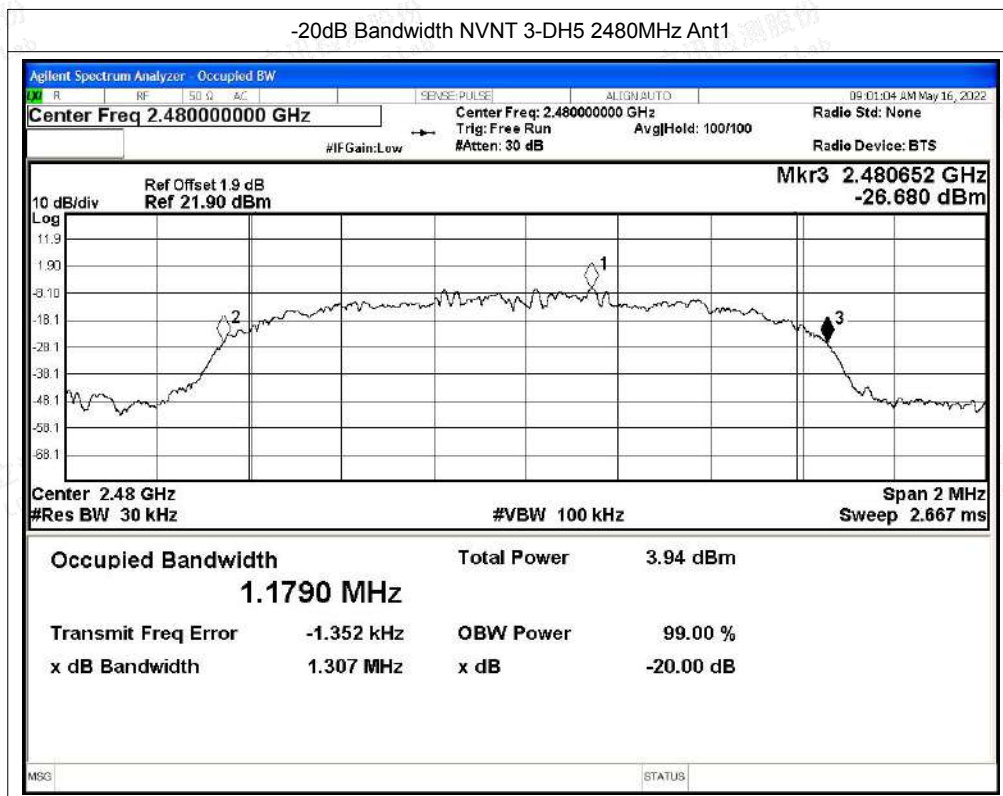


-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1







A.2 Maximum Conducted Output Power

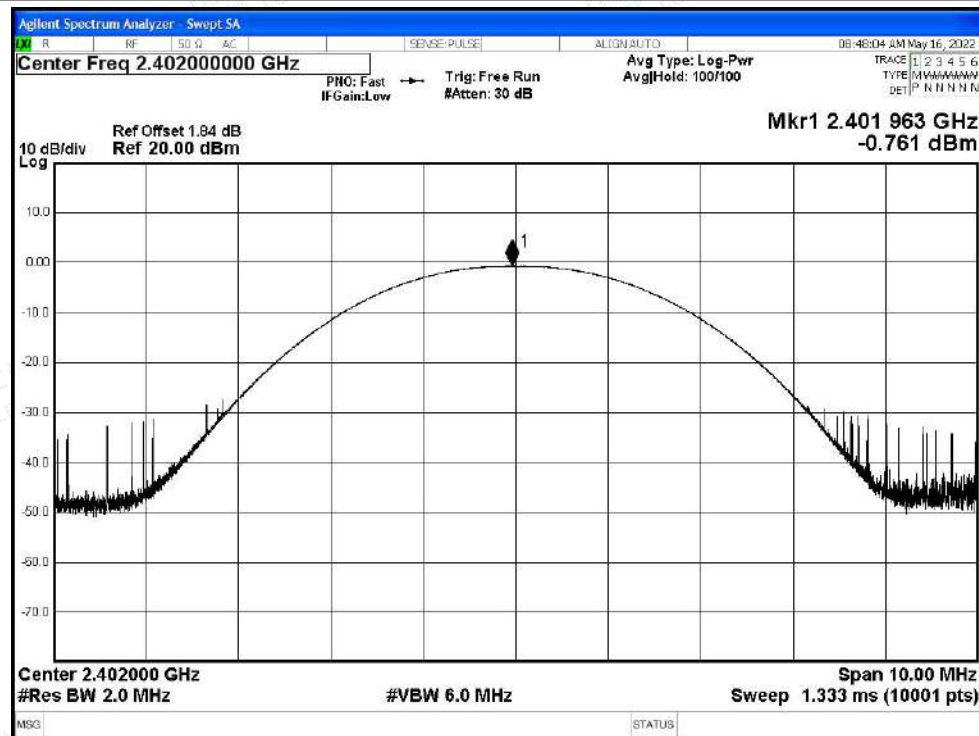
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-0.76	20.97	Pass
NVNT	1-DH5	2441	Ant1	-0.48	20.97	Pass
NVNT	1-DH5	2480	Ant1	-0.79	20.97	Pass
NVNT	2-DH5	2402	Ant1	-0.43	20.97	Pass
NVNT	2-DH5	2441	Ant1	-0.19	20.97	Pass
NVNT	2-DH5	2480	Ant1	-0.55	20.97	Pass
NVNT	3-DH5	2402	Ant1	-0.41	20.97	Pass
NVNT	3-DH5	2441	Ant1	-0.16	20.97	Pass
NVNT	3-DH5	2480	Ant1	-0.51	20.97	Pass



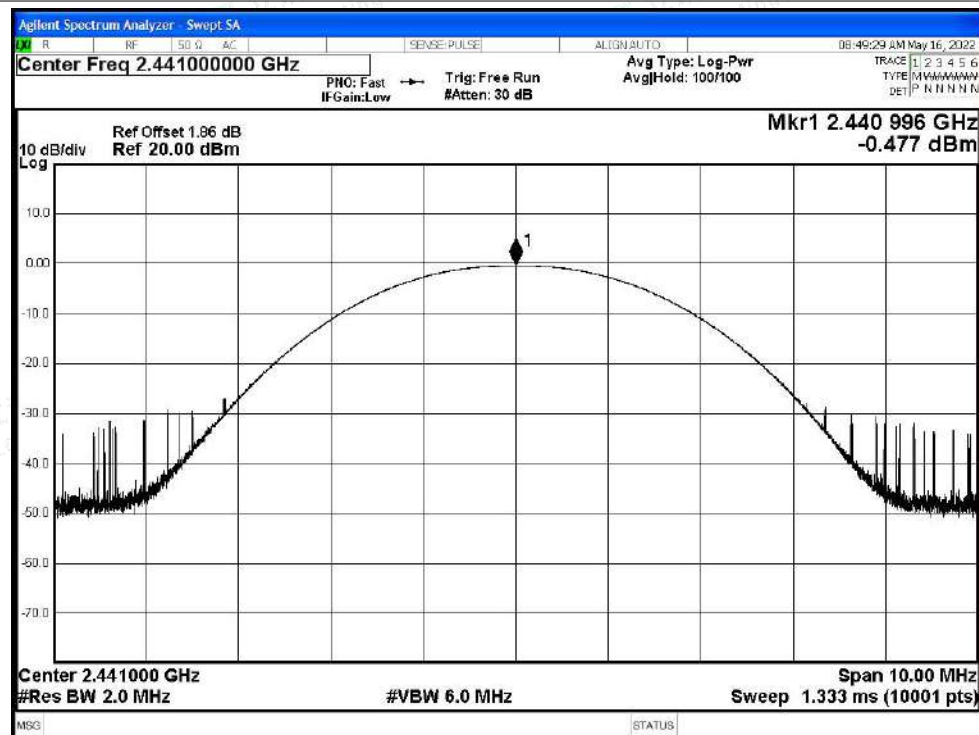


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

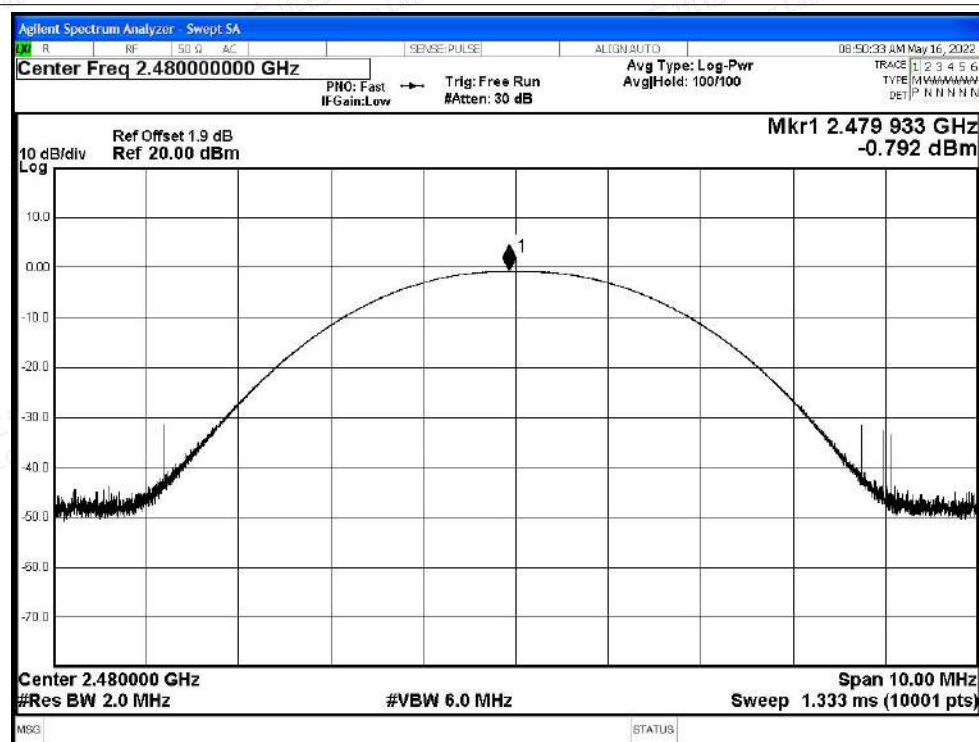


Power NVNT 1-DH5 2441MHz Ant1

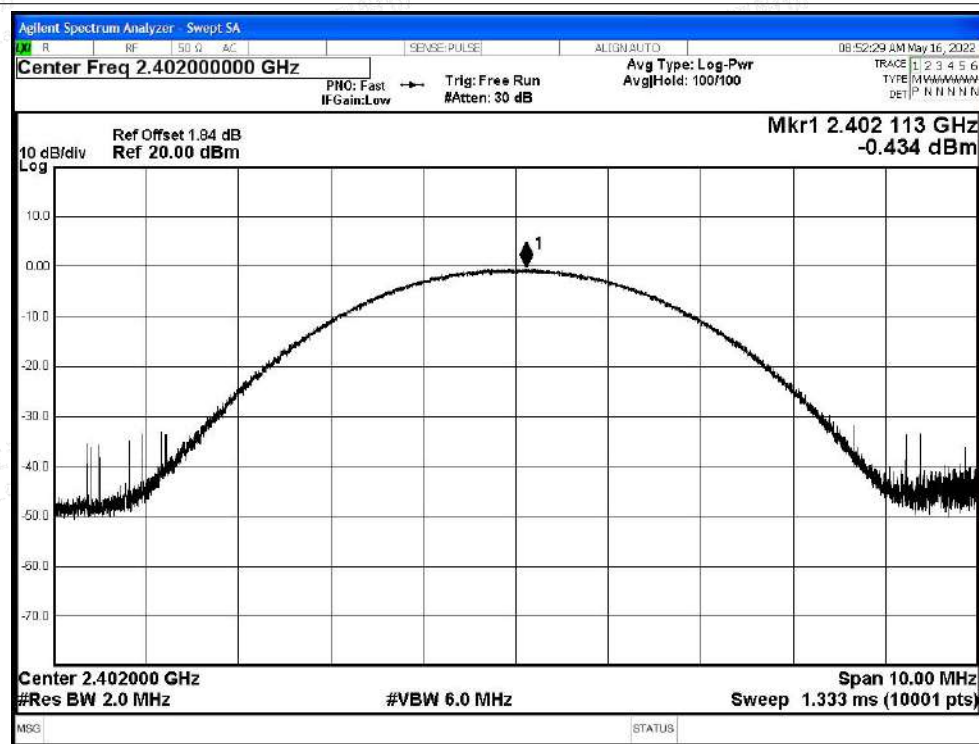




Power NVNT 1-DH5 2480MHz Ant1

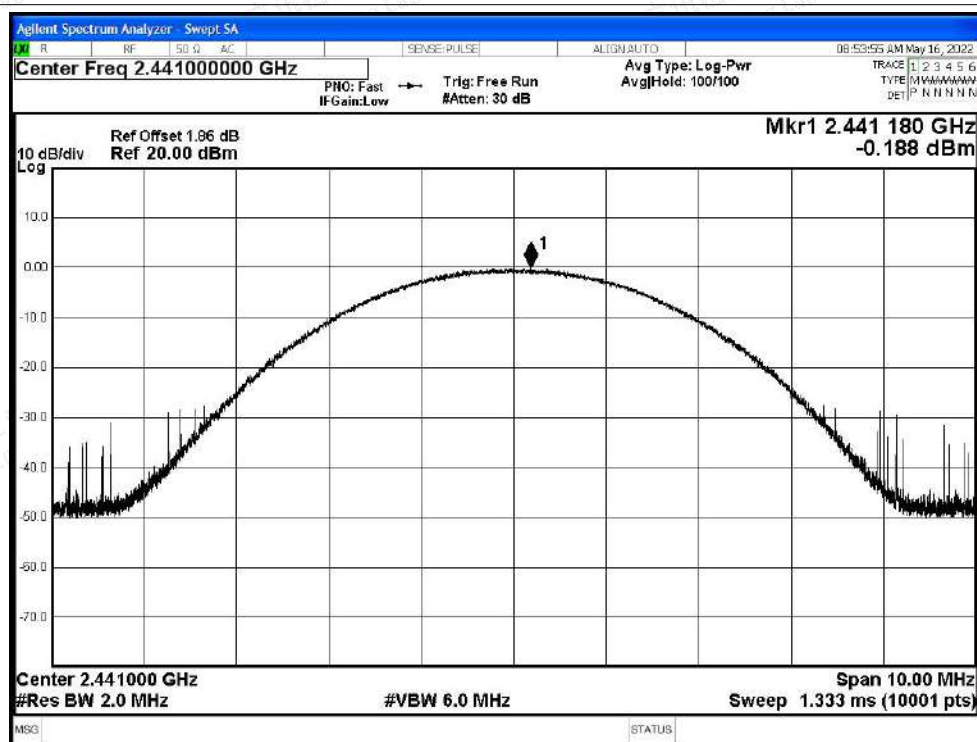


Power NVNT 2-DH5 2402MHz Ant1

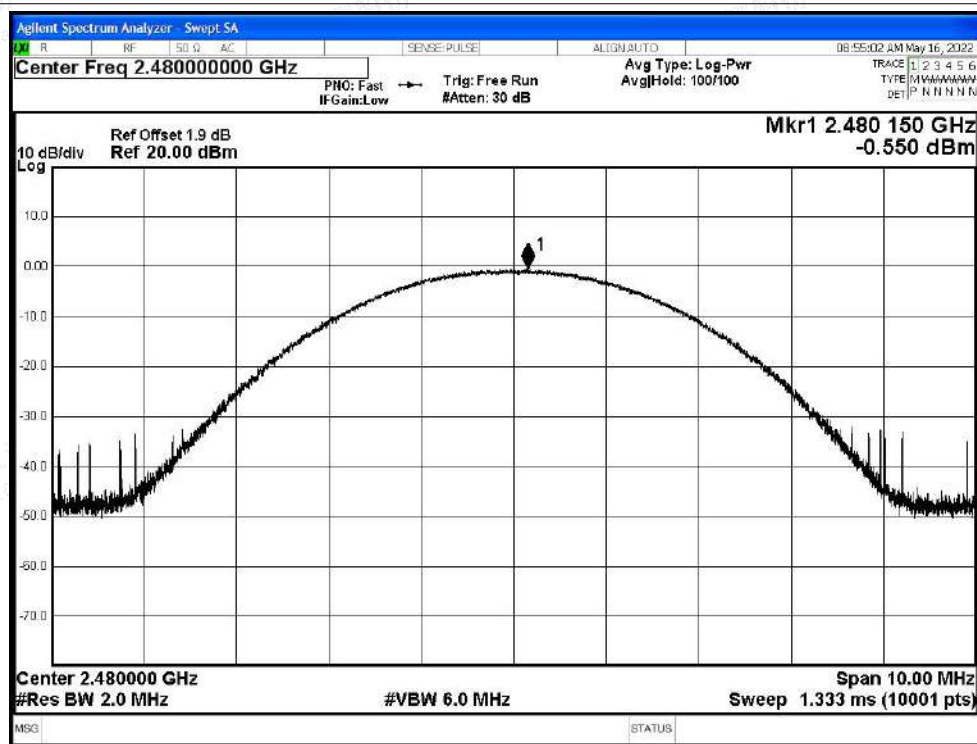




Power NVNT 2-DH5 2441MHz Ant1

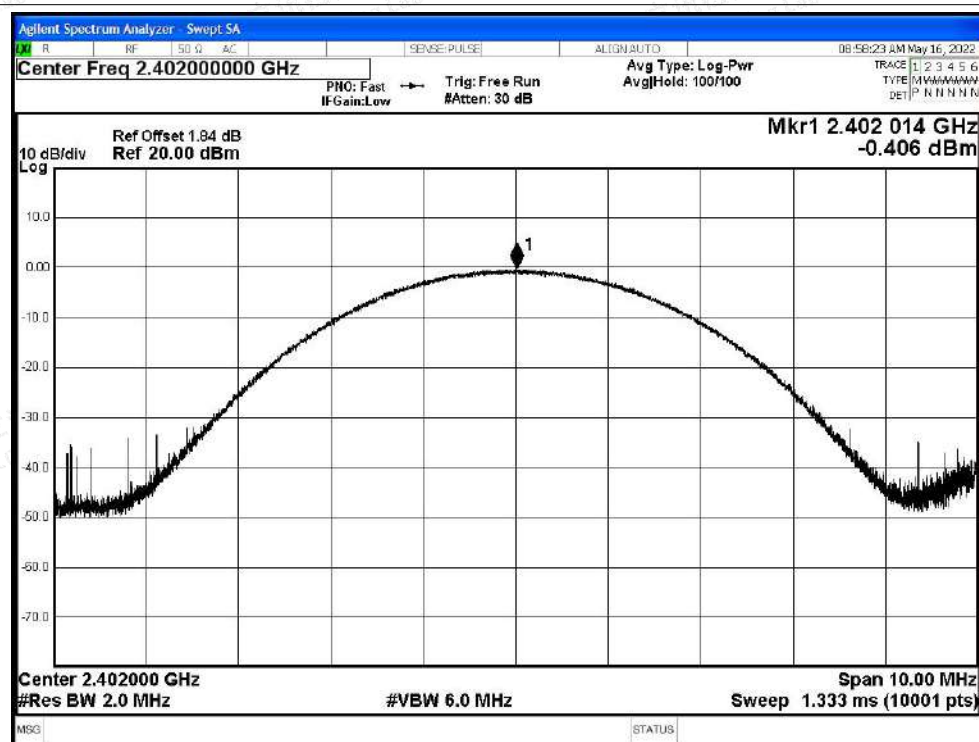


Power NVNT 2-DH5 2480MHz Ant1

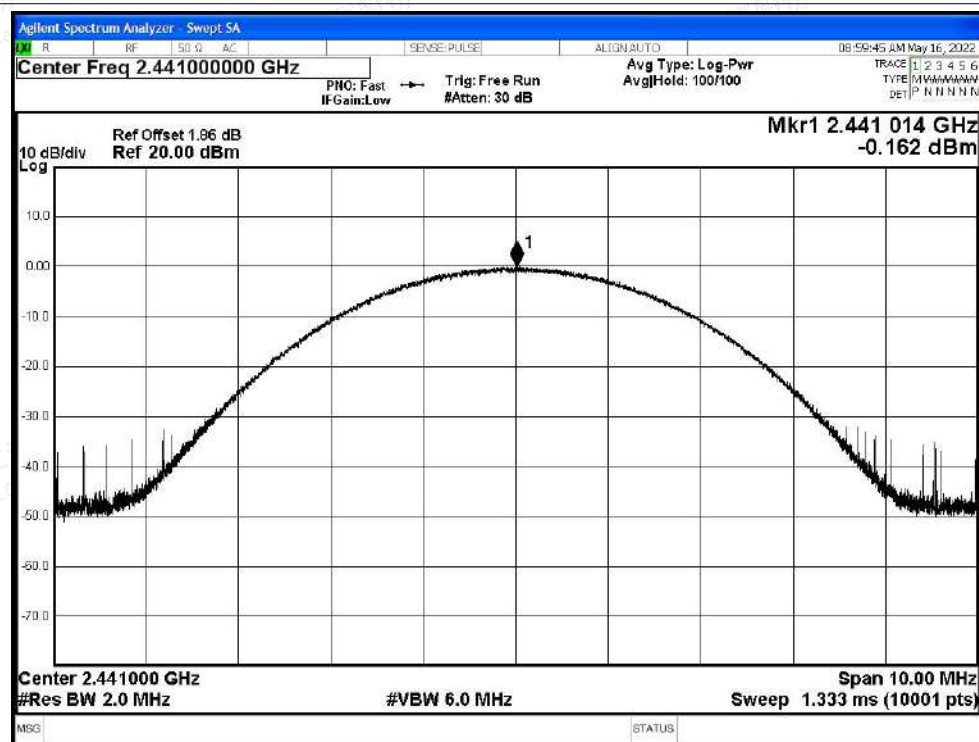




Power NVNT 3-DH5 2402MHz Ant1

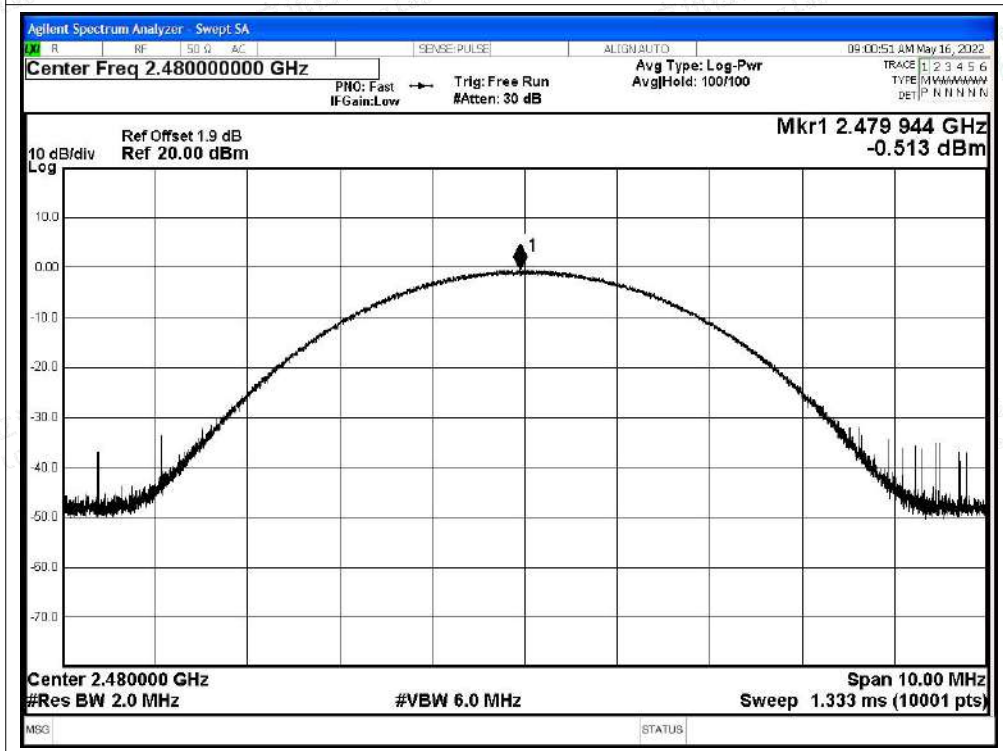


Power NVNT 3-DH5 2441MHz Ant1





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	2401.896	2402.972	1.076	0.676	Pass
NVNT	2-DH5	Ant1	2401.998	2403.012	1.014	0.847	Pass
NVNT	3-DH5	Ant1	2402.014	2403.156	1.142	0.853	Pass



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

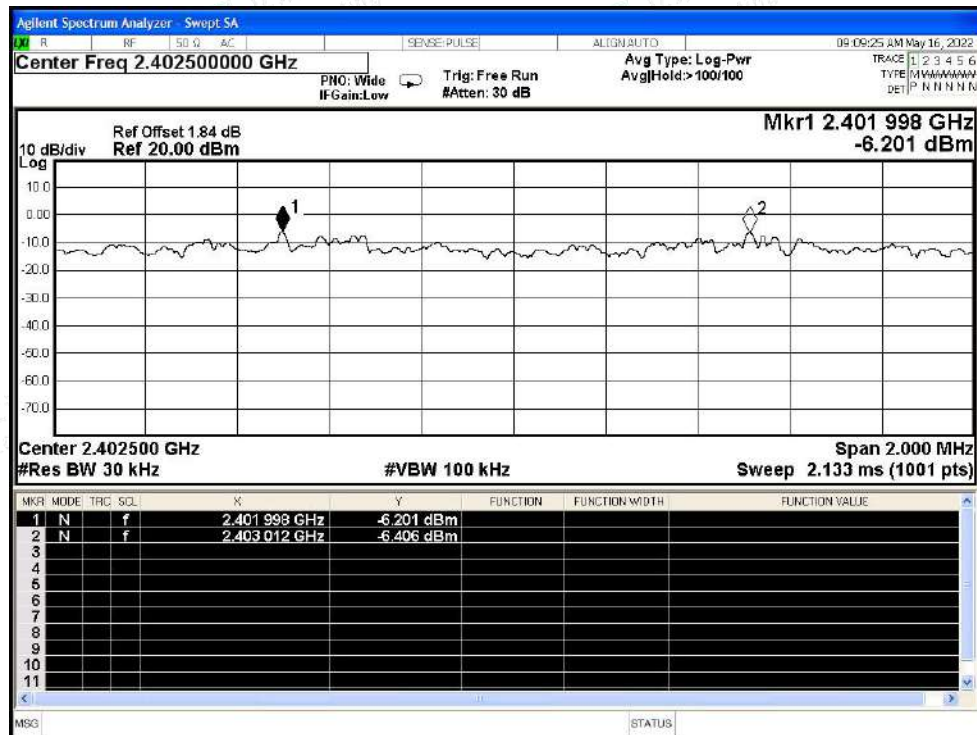


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1

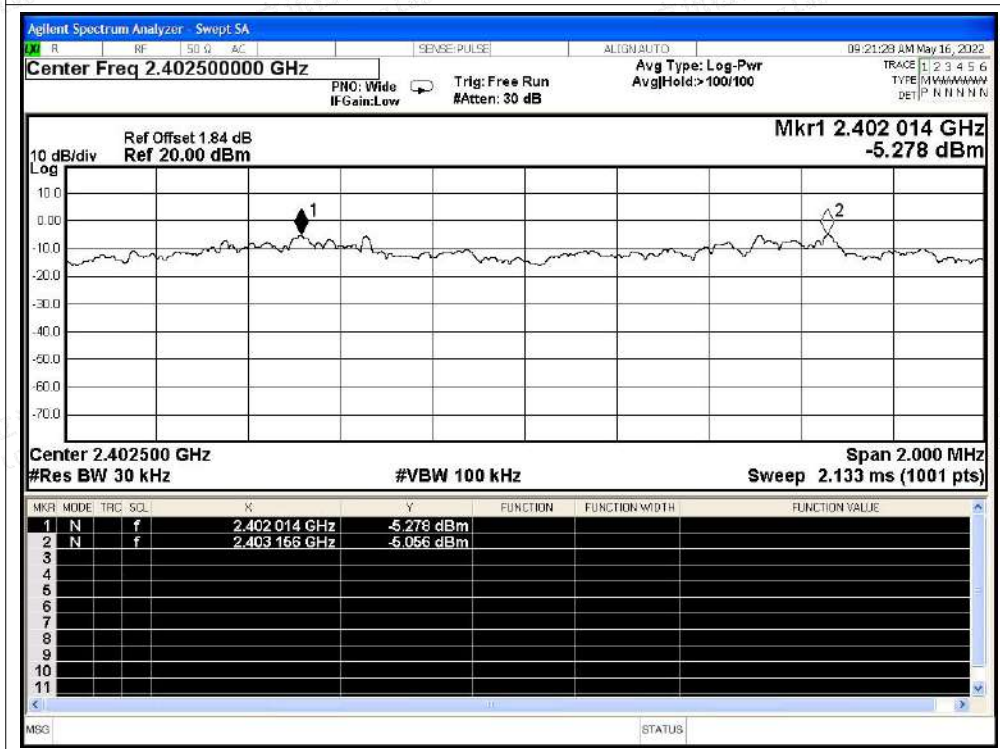


CFS NVNT 2-DH5 2402MHz Ant1





CFS NVNT 3-DH5 2402MHz Ant1





A.5 Number of Hopping Channel

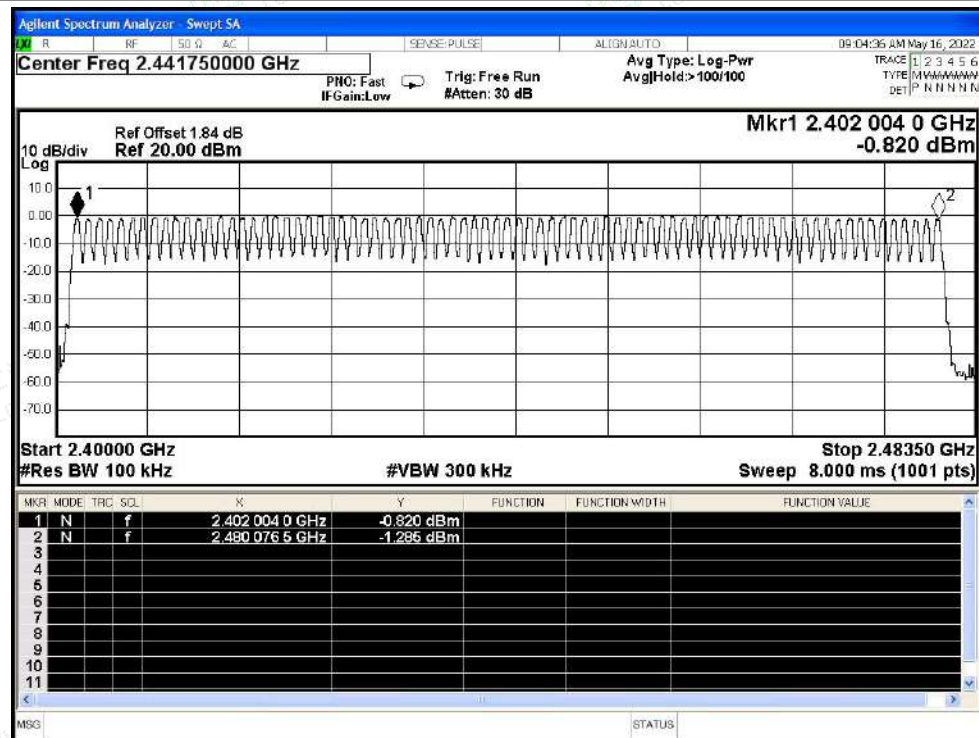
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



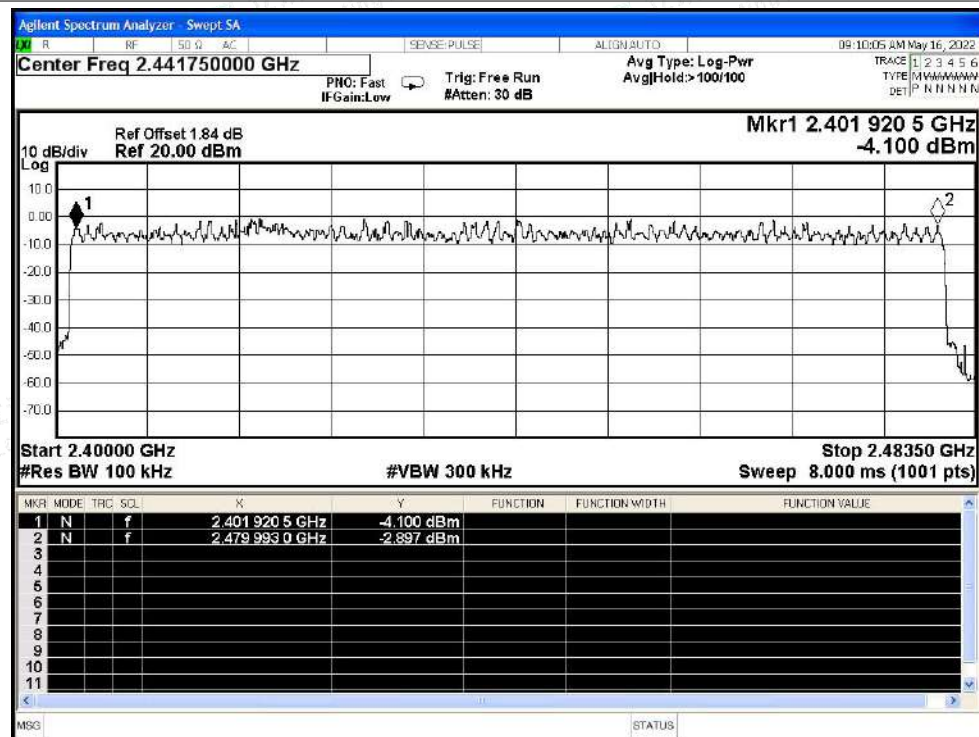


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1

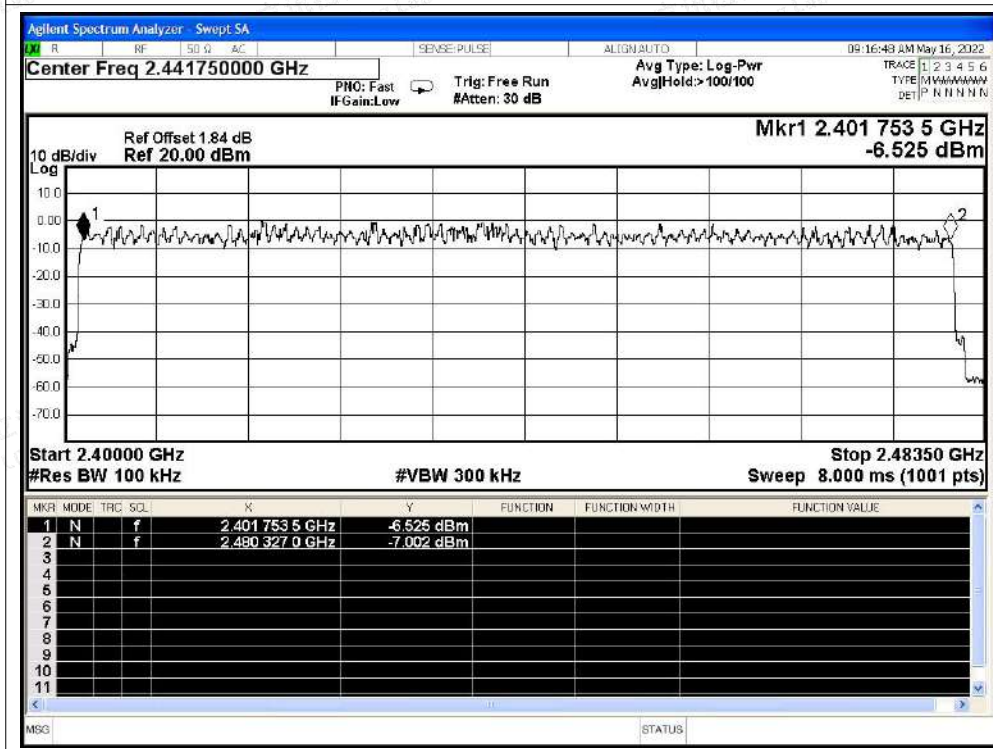


Hopping No. NVNT 2-DH5 2402MHz Ant1





Hopping No. NVNT 3-DH5 2402MHz Ant1





A.4 Dwell Time

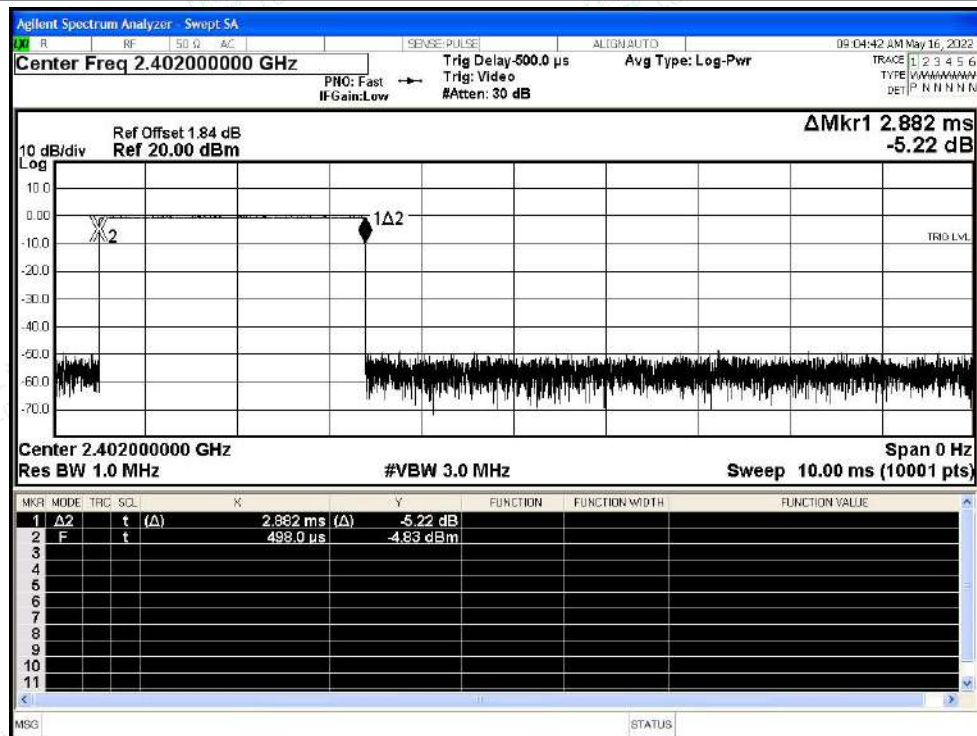
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.882	291.082	101	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.881	308.267	107	31600	400	Pass
NVNT	1-DH5	2480	Ant1	2.882	340.076	118	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.88	311.04	108	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.883	288.3	100	31600	400	Pass
NVNT	2-DH5	2480	Ant1	2.883	285.417	99	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.886	314.574	109	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.884	320.124	111	31600	400	Pass
NVNT	3-DH5	2480	Ant1	2.887	308.909	107	31600	400	Pass



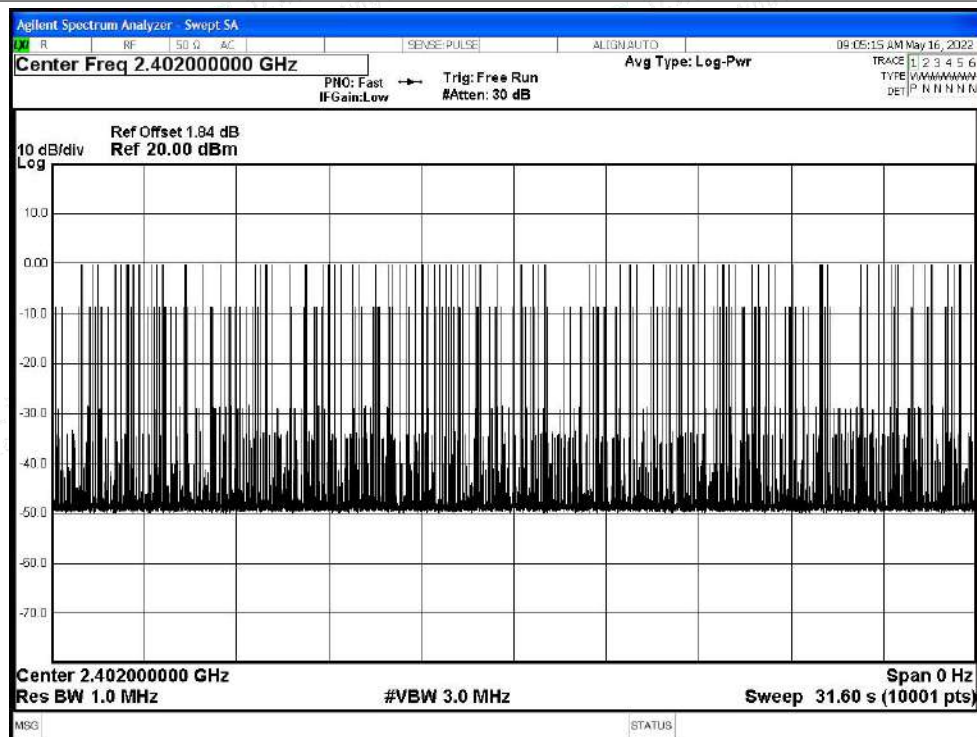


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

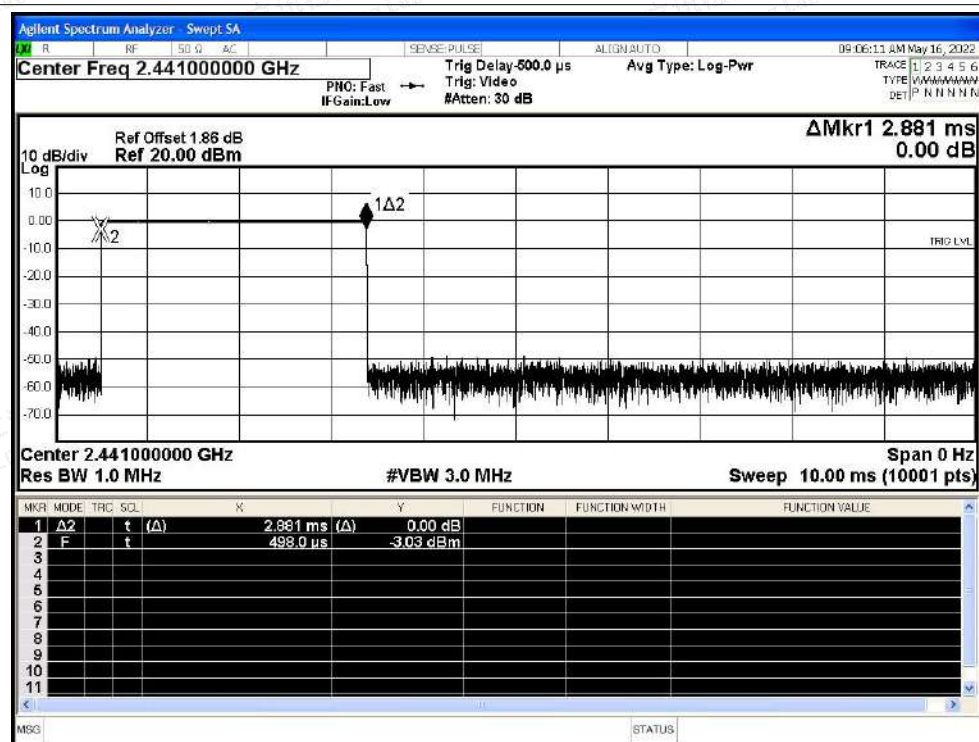


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

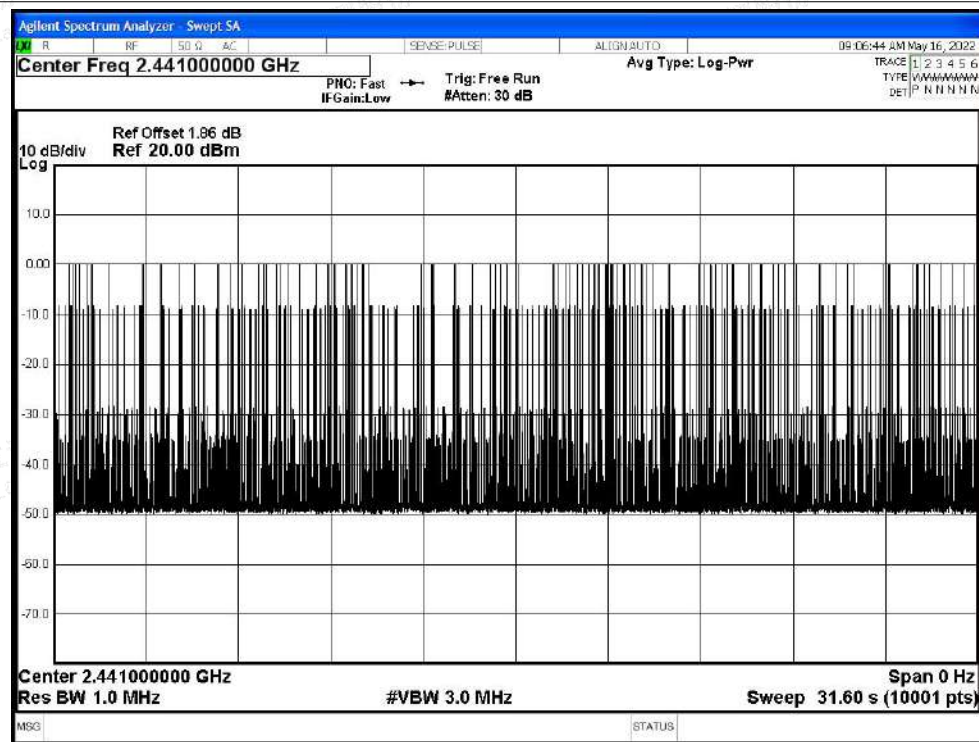




Dwell NVNT 1-DH5 2441MHz Ant1 One Burst

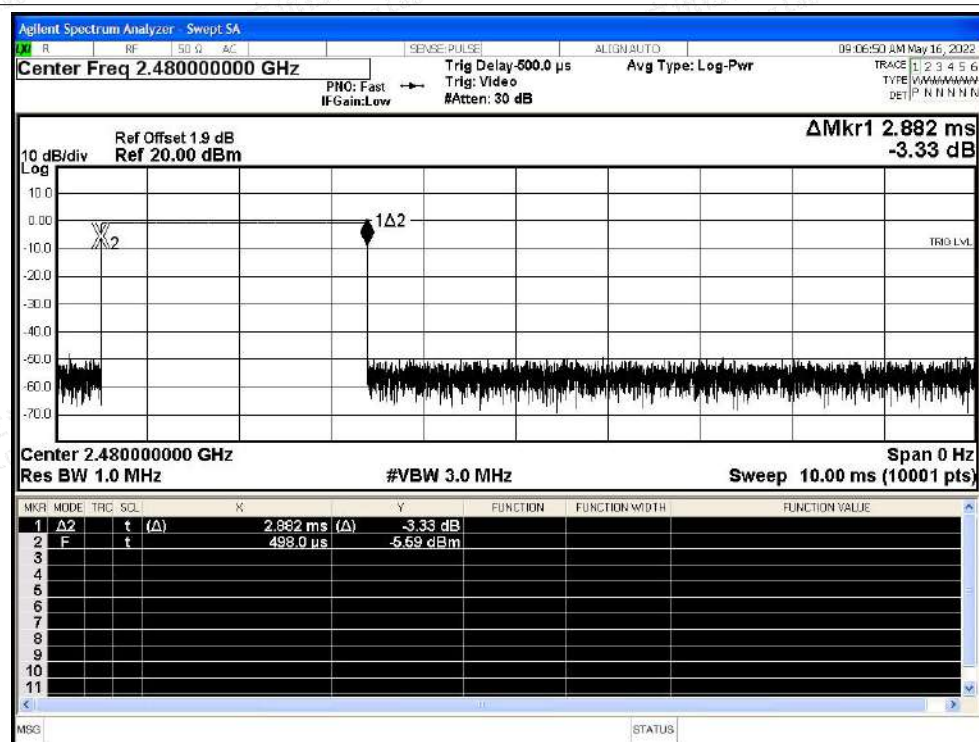


Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated

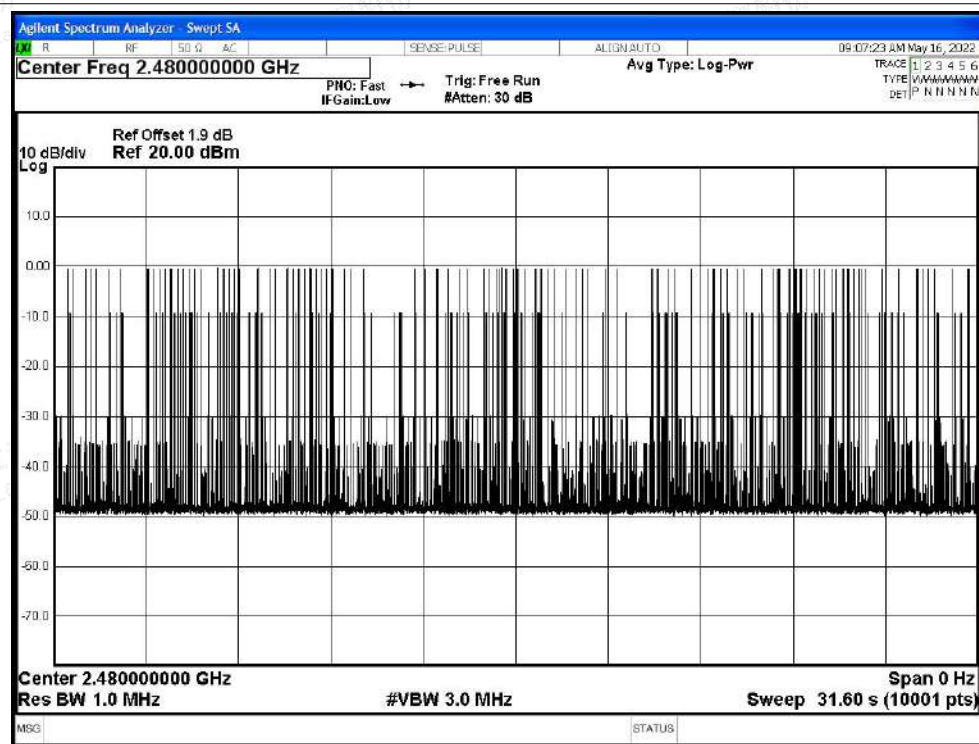




Dwell NVNT 1-DH5 2480MHz Ant1 One Burst

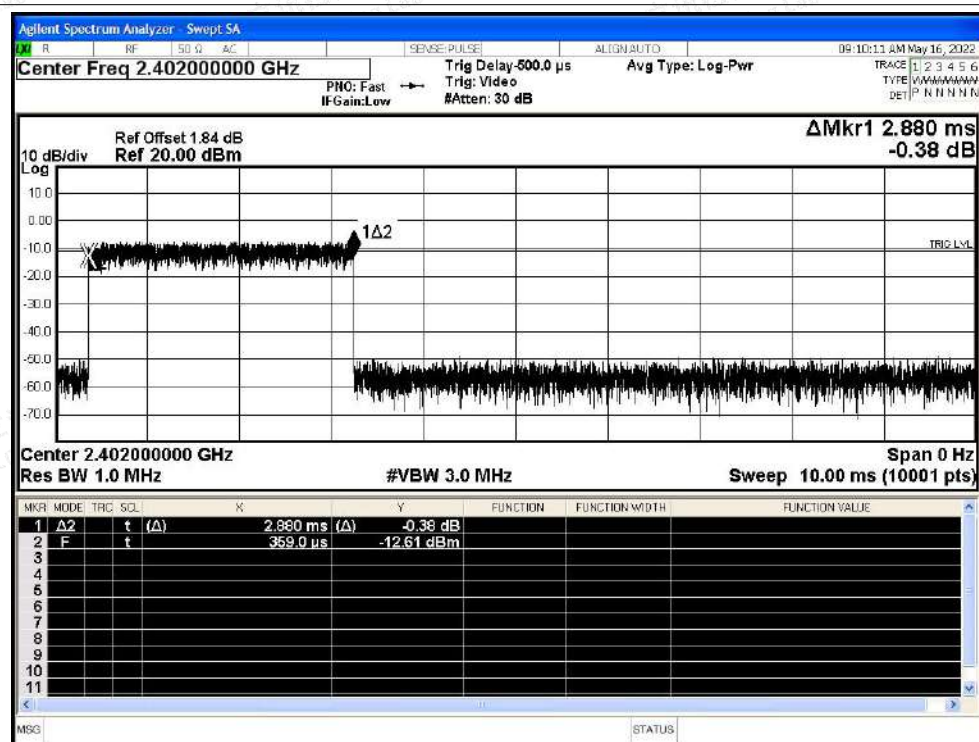


Dwell NVNT 1-DH5 2480MHz Ant1 Accumulated

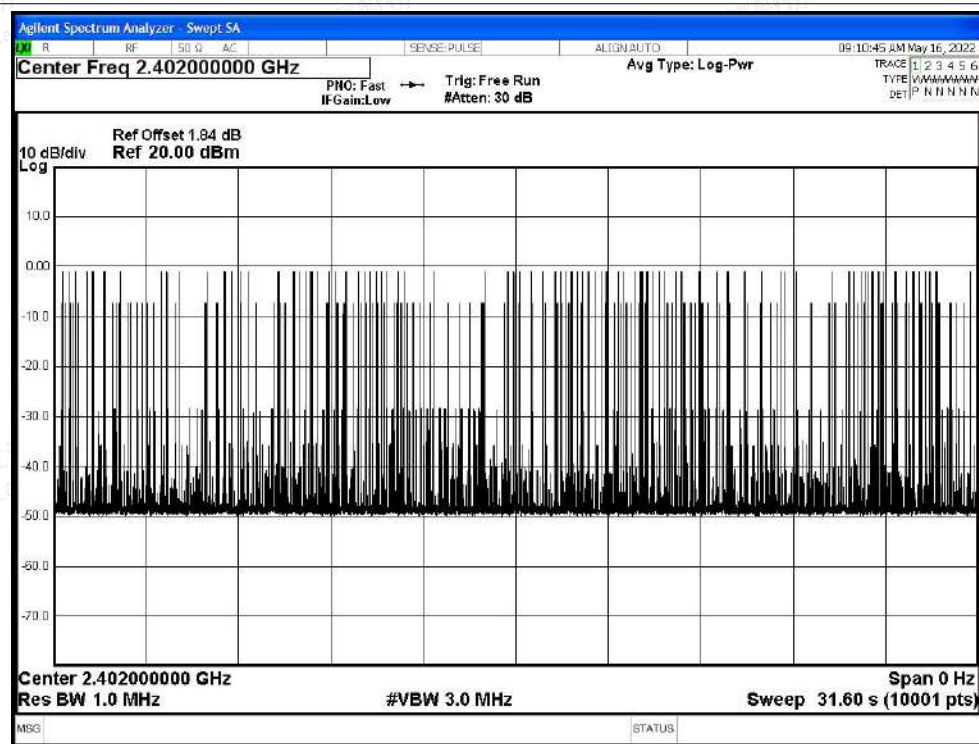




Dwell NVNT 2-DH5 2402MHz Ant1 One Burst

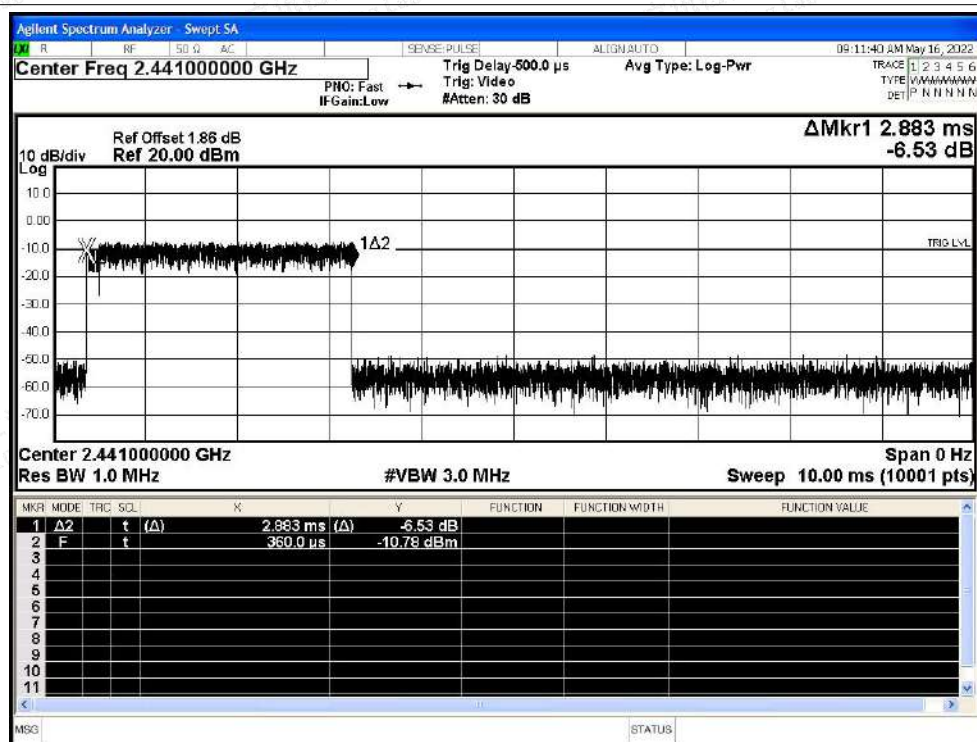


Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated

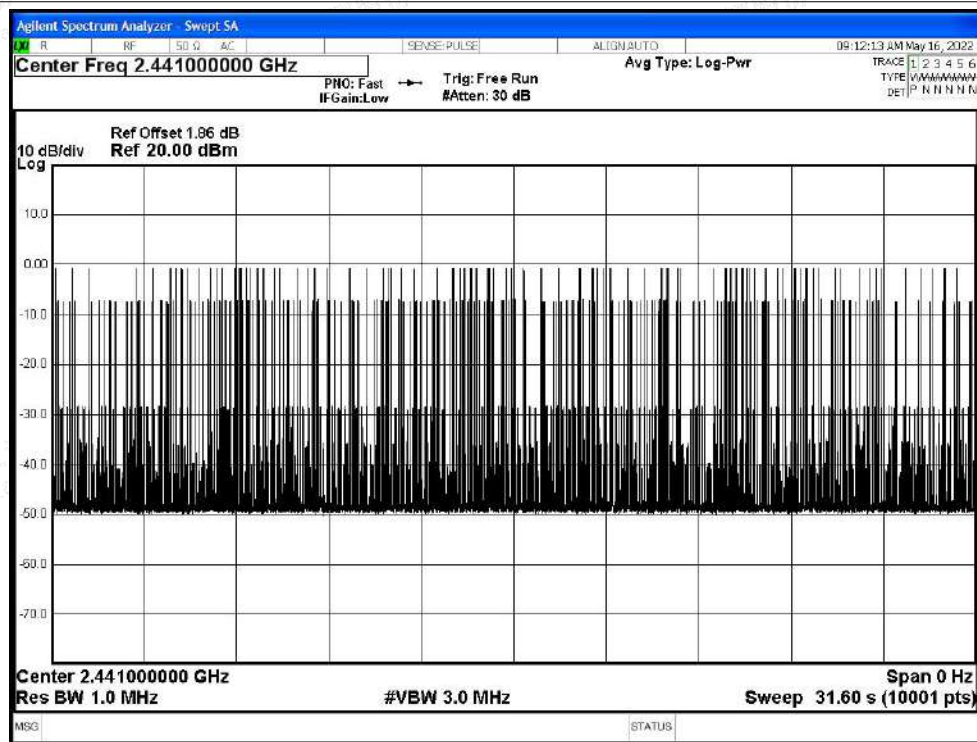




Dwell NVNT 2-DH5 2441MHz Ant1 One Burst

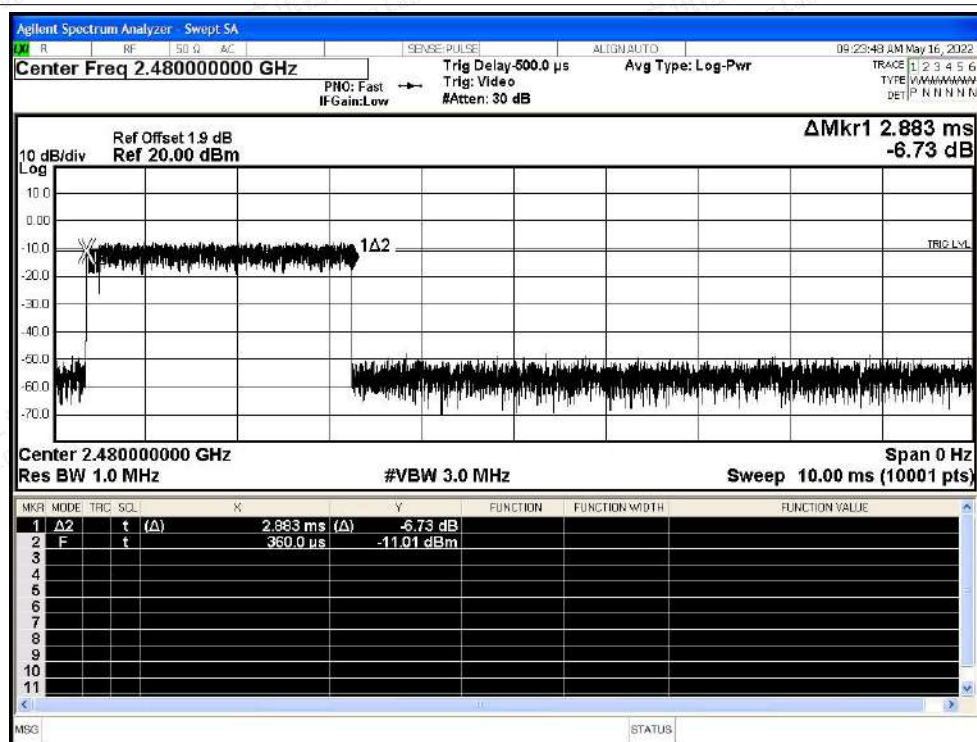


Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated

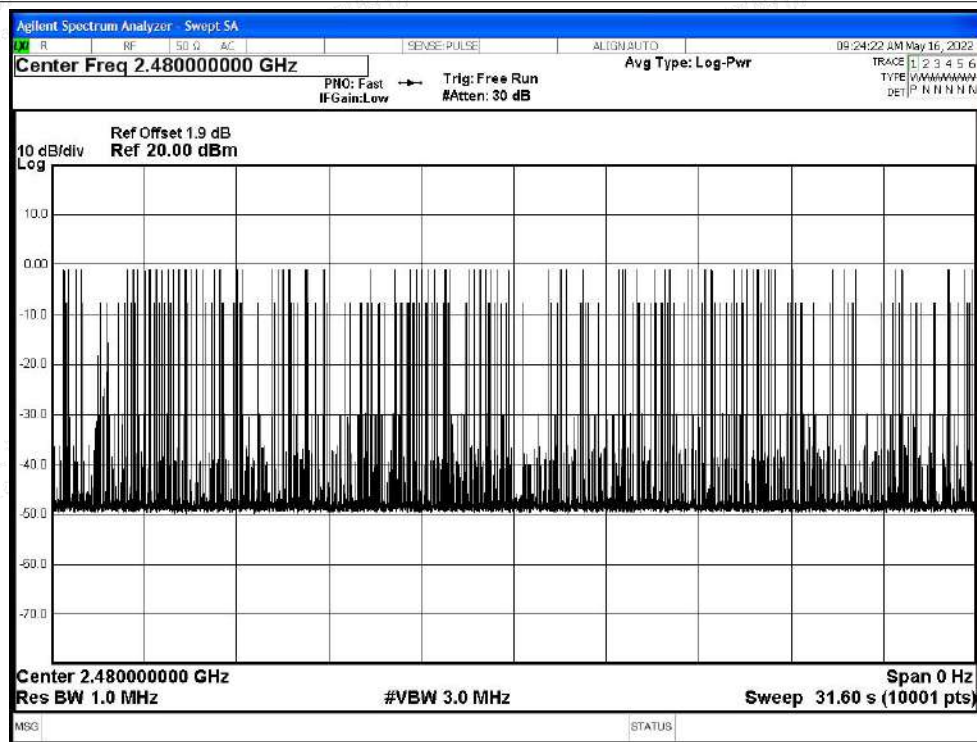




Dwell NVNT 2-DH5 2480MHz Ant1 One Burst

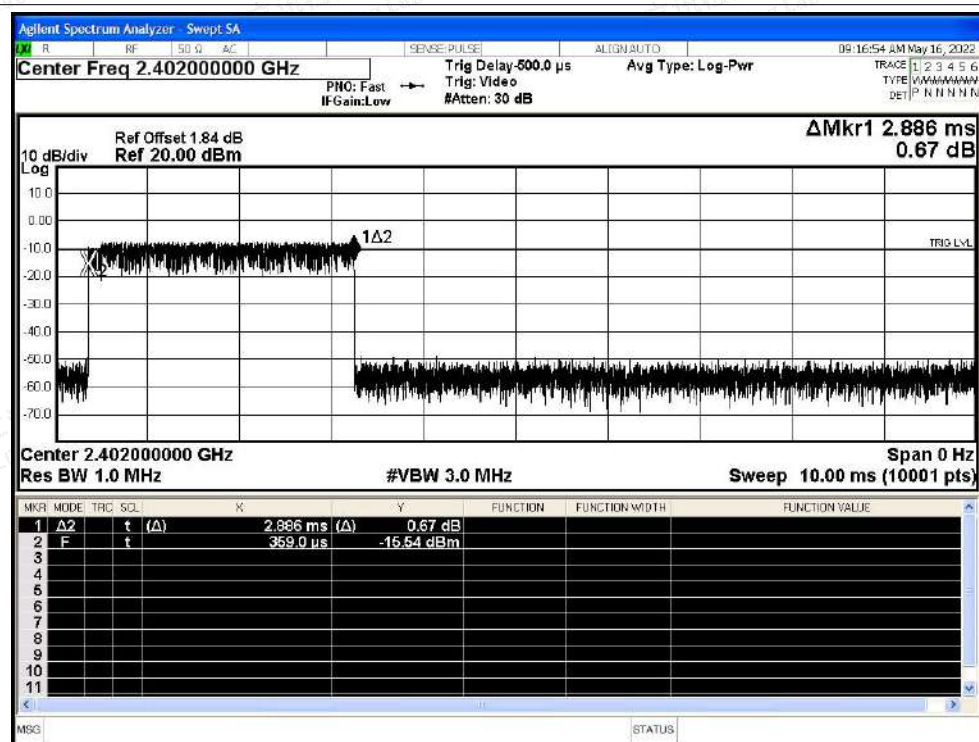


Dwell NVNT 2-DH5 2480MHz Ant1 Accumulated

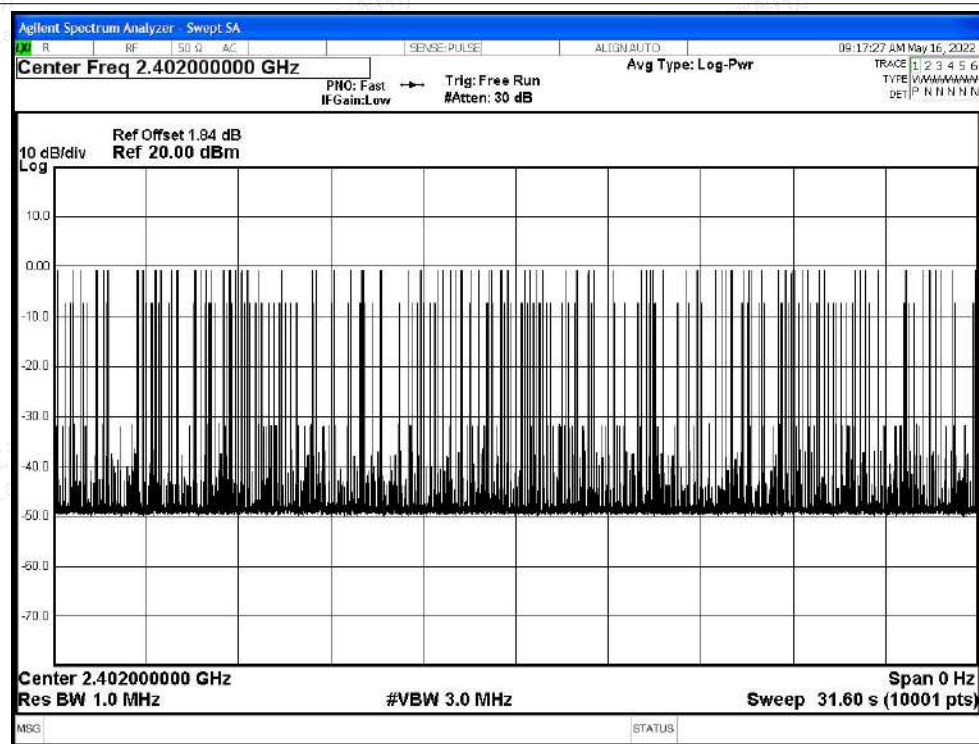




Dwell NVNT 3-DH5 2402MHz Ant1 One Burst

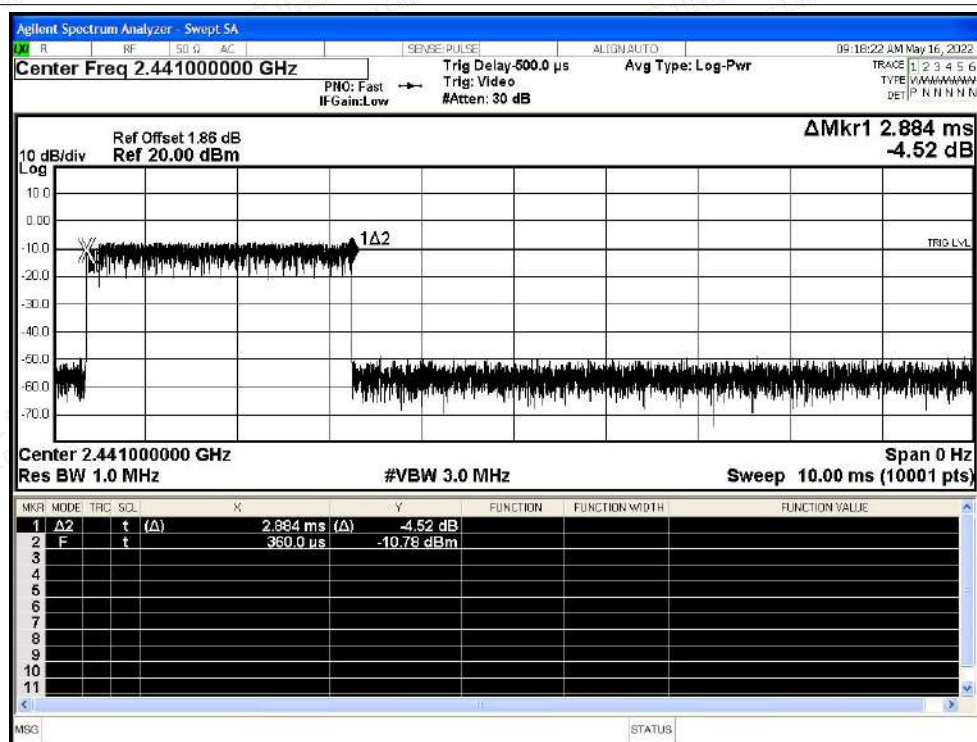


Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated

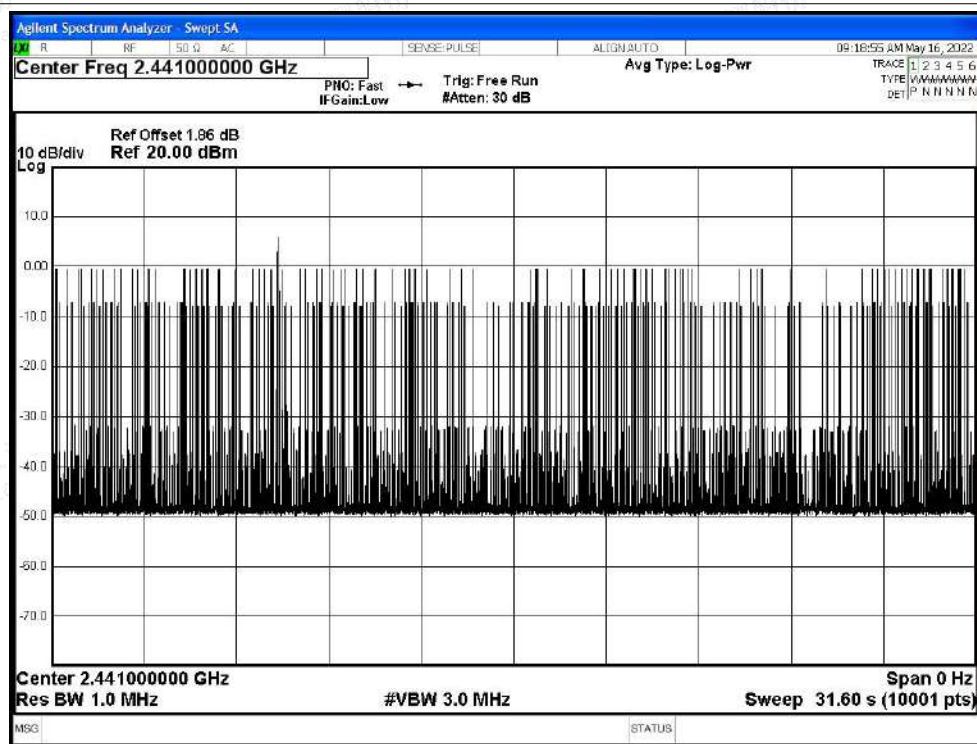




Dwell NVNT 3-DH5 2441MHz Ant1 One Burst

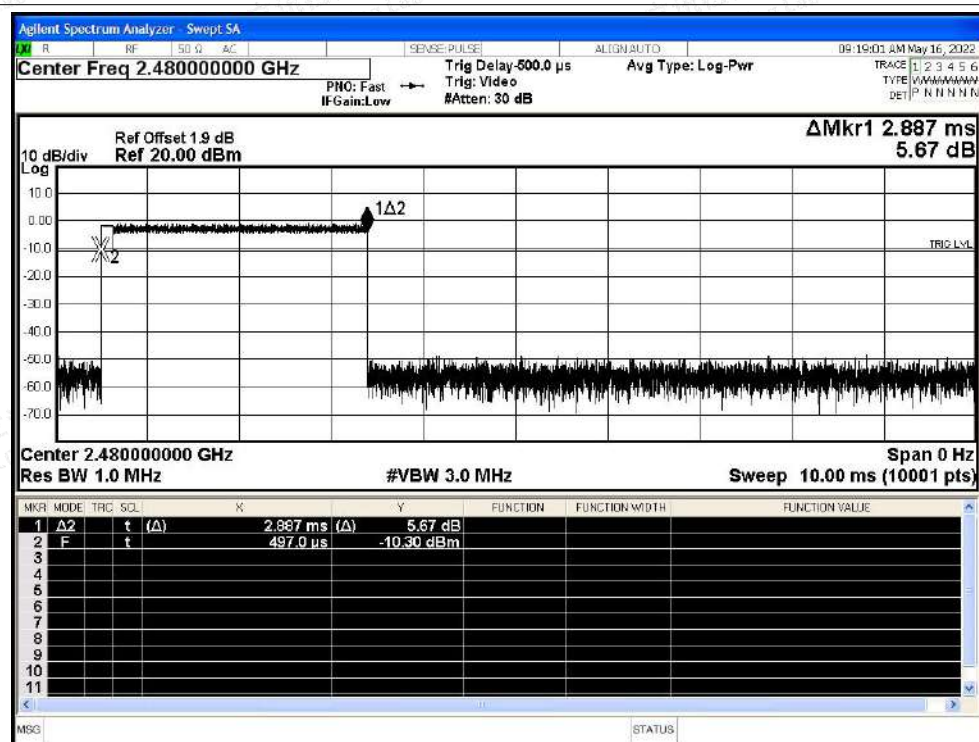


Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated

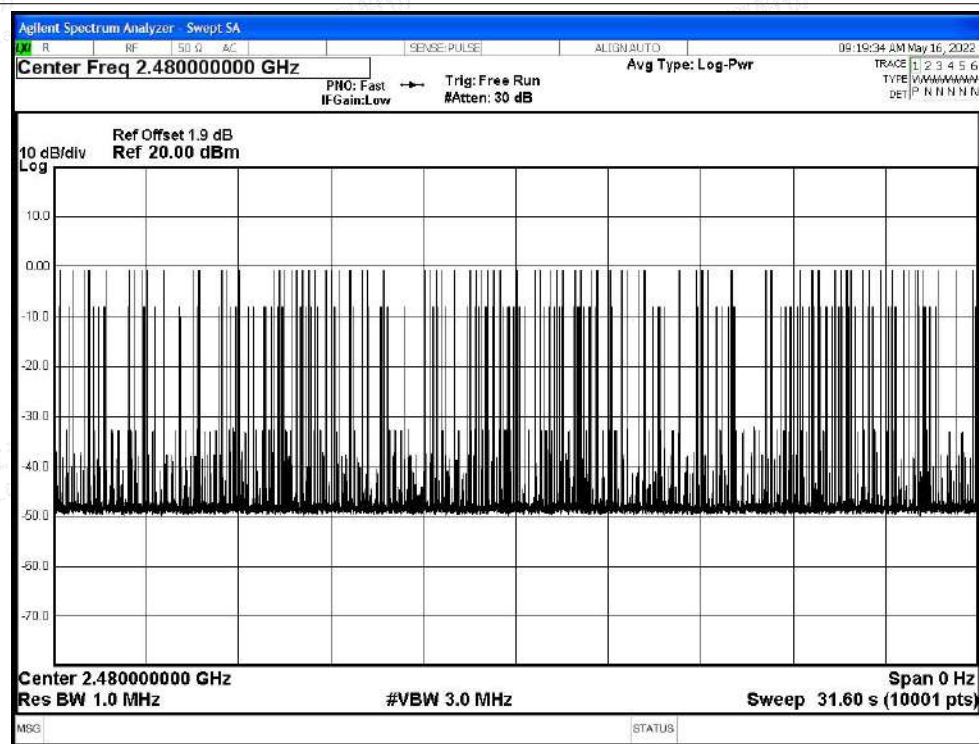




Dwell NVNT 3-DH5 2480MHz Ant1 One Burst



Dwell NVNT 3-DH5 2480MHz Ant1 Accumulated





A.6 Band Edge

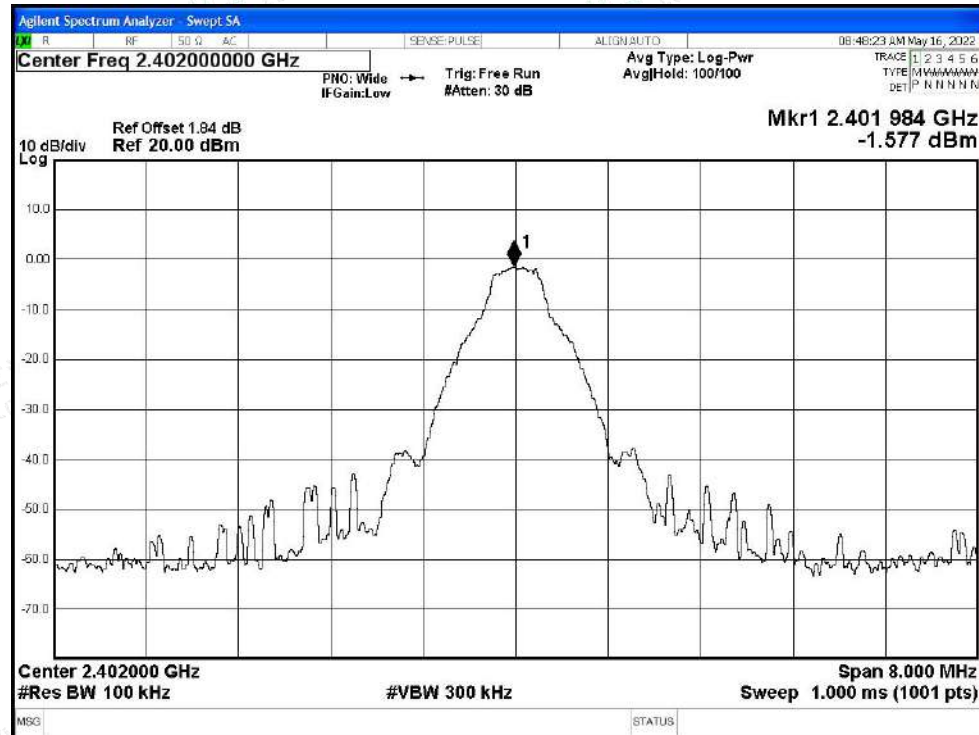
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-47.94	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-54.05	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-54.19	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-55.45	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-48.87	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-55.24	-20	Pass



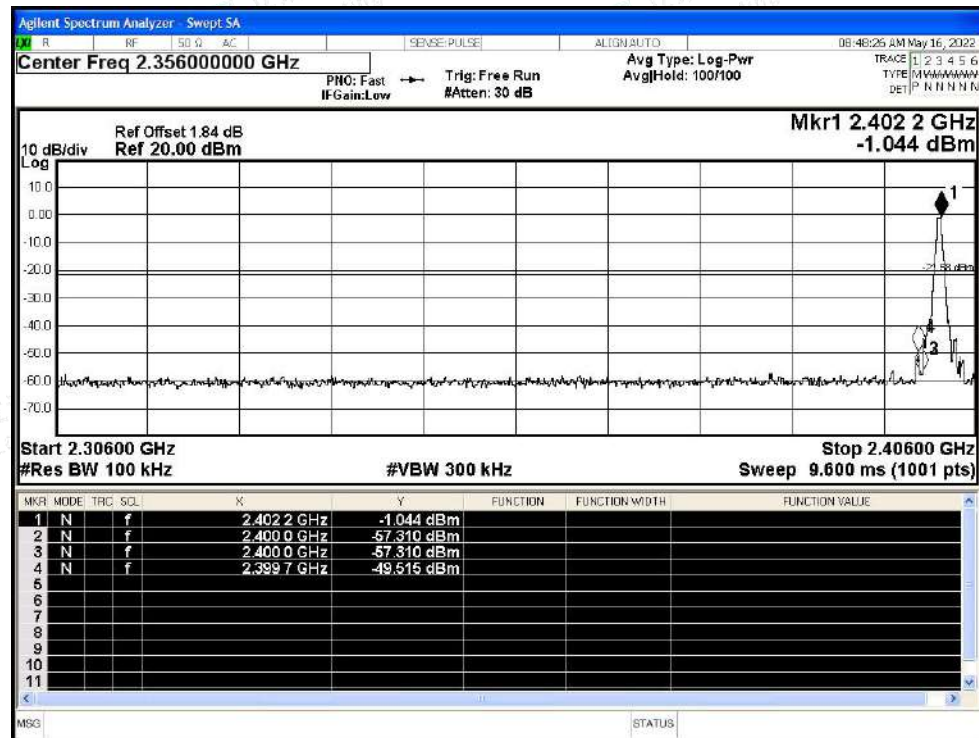


Test Graphs

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



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



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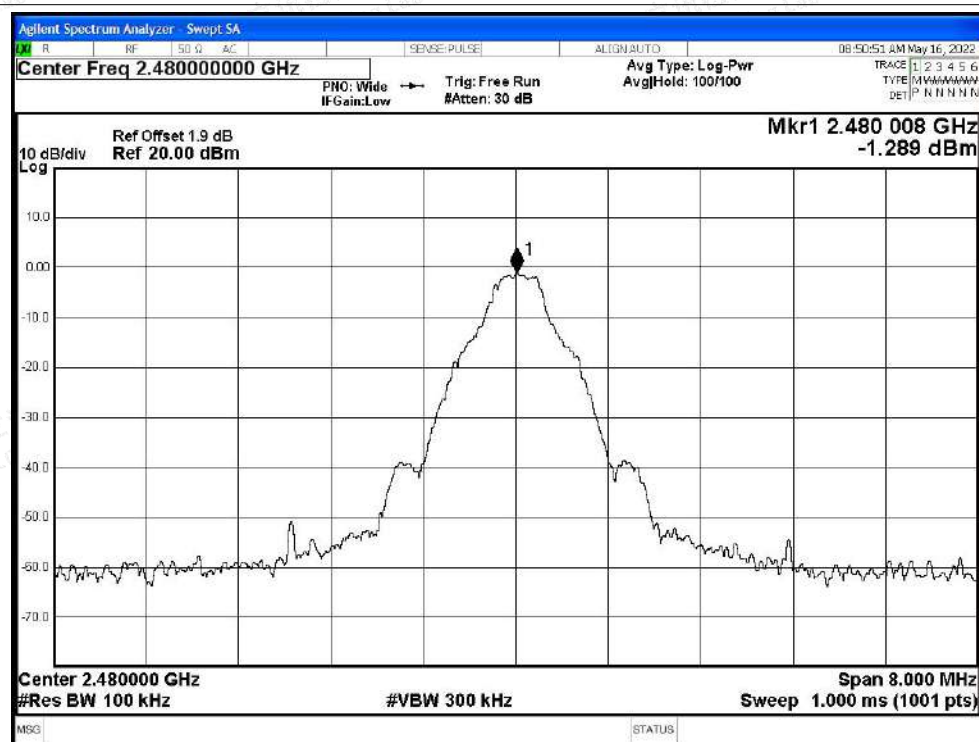
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

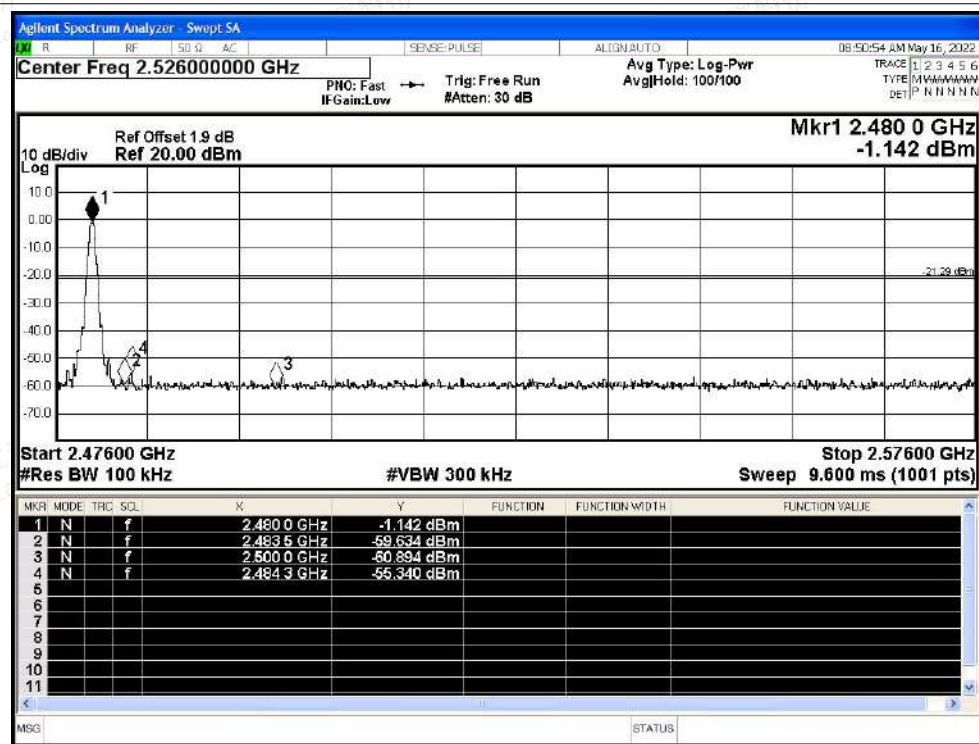
Scan code to check authenticity



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

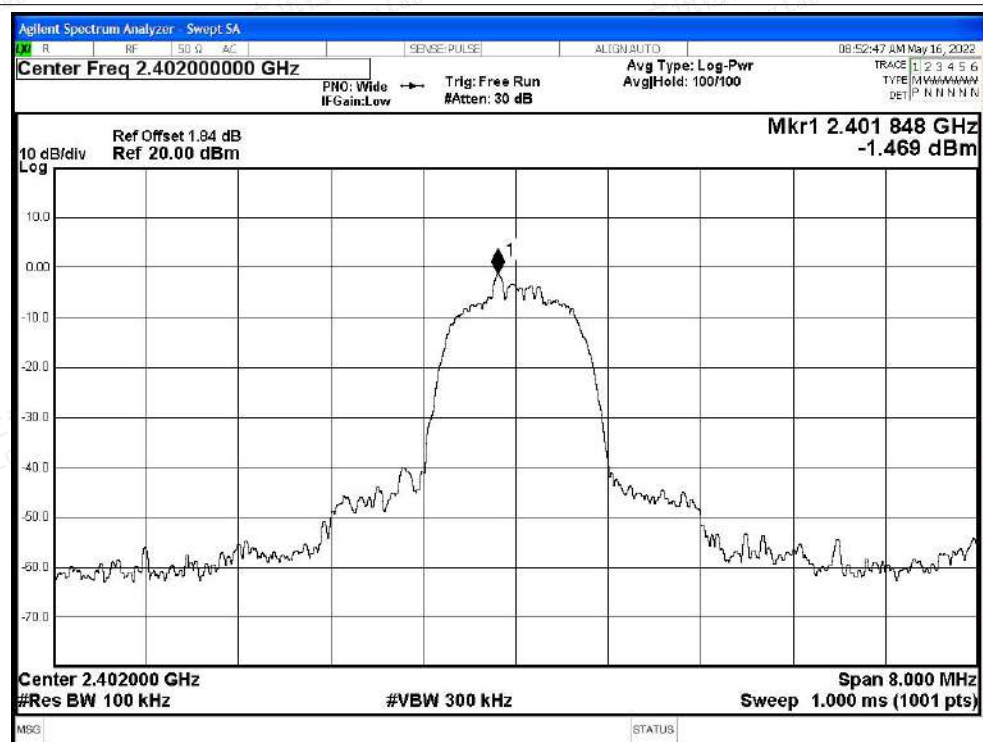


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

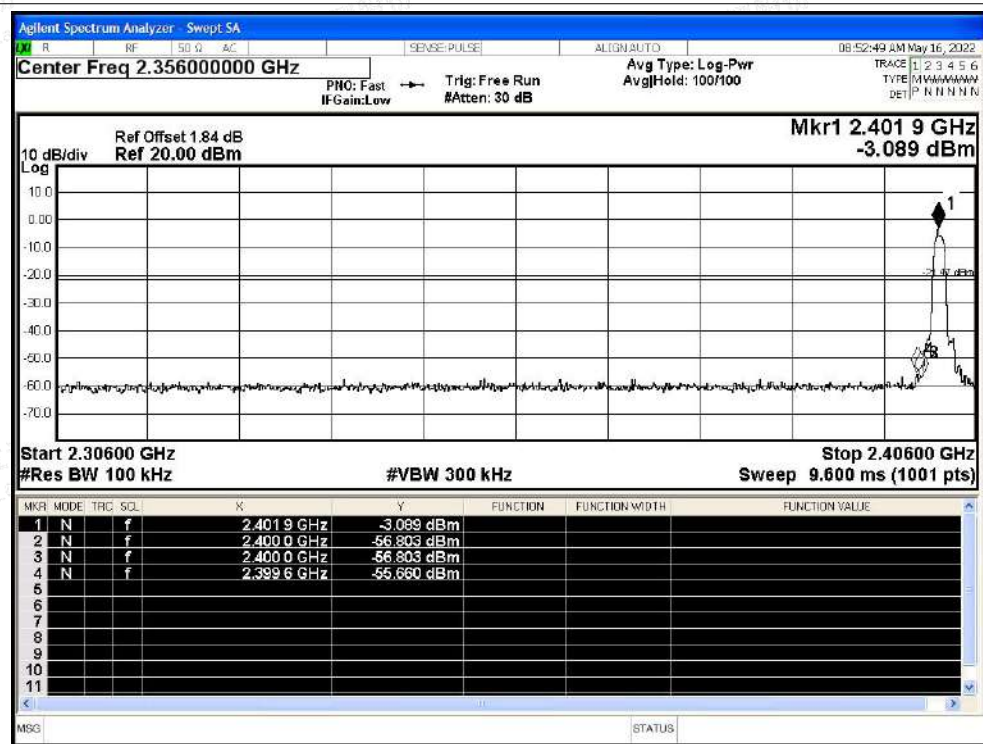




Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

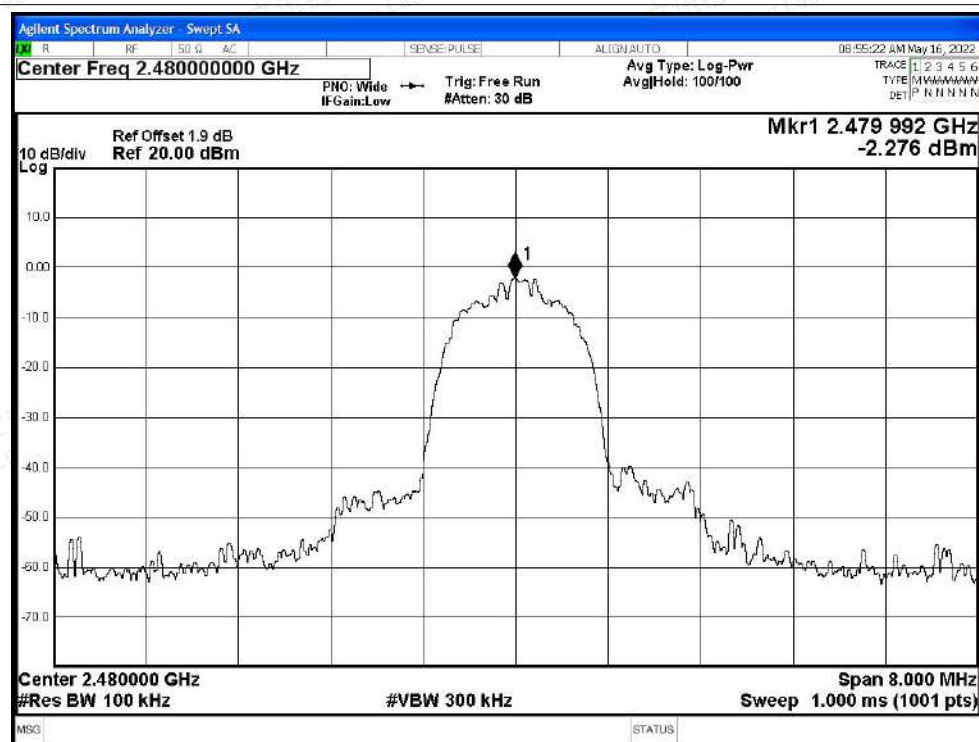


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

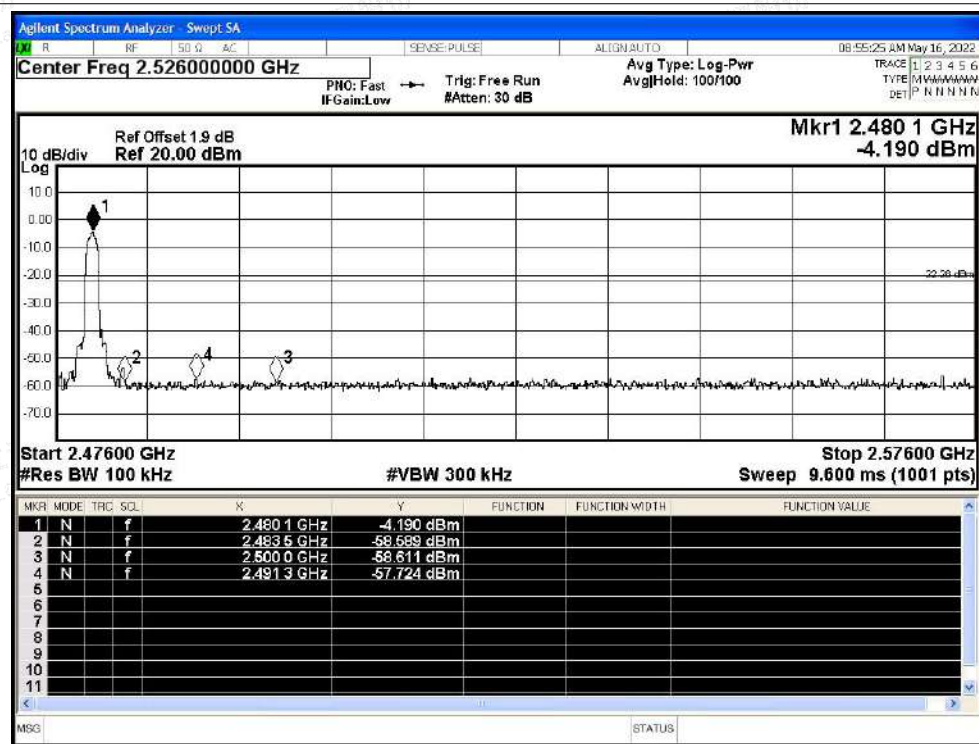




Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref

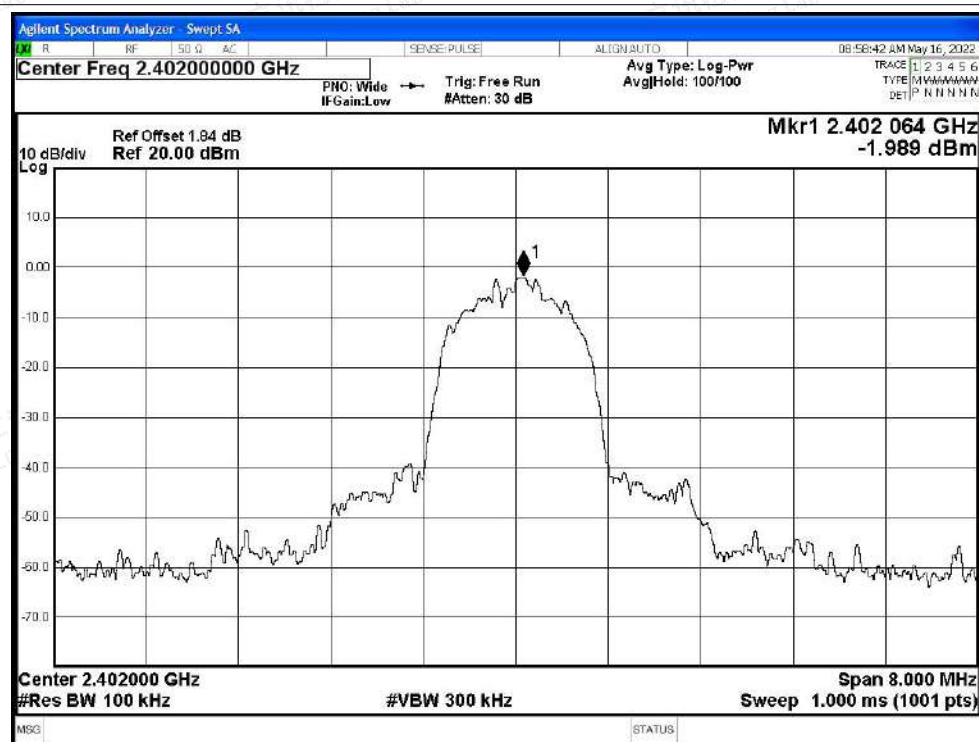


Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

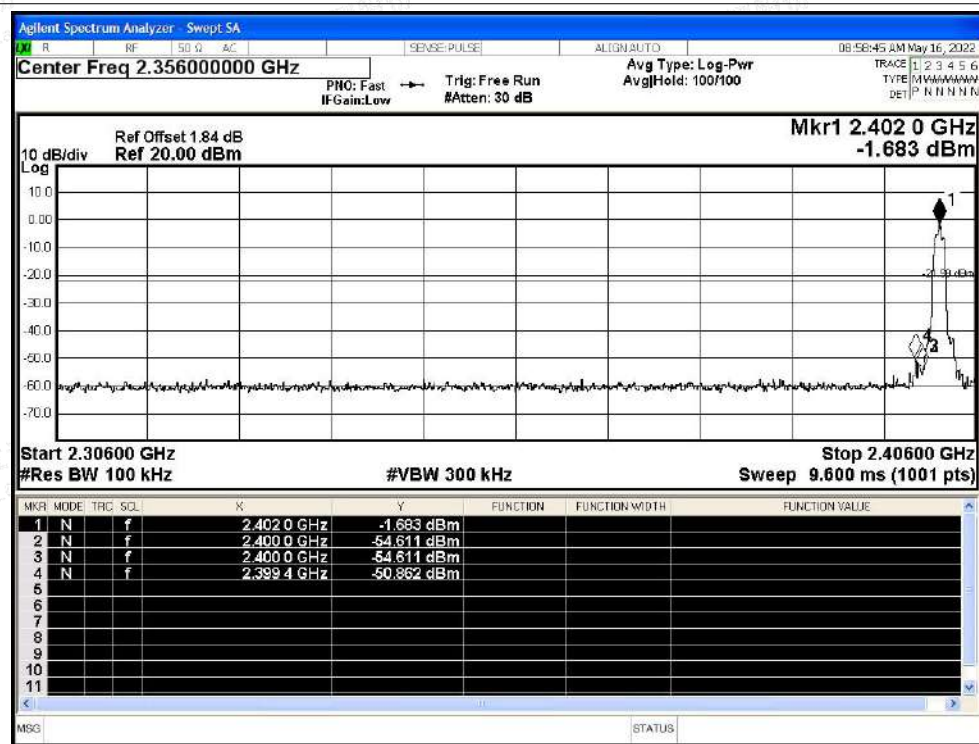




Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref

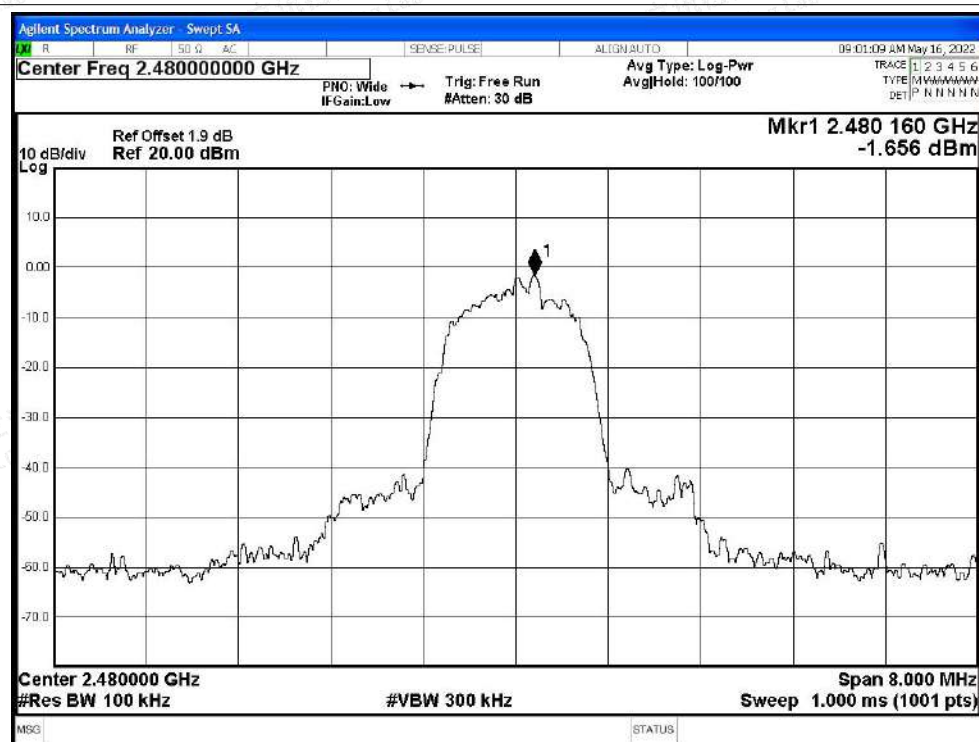


Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission

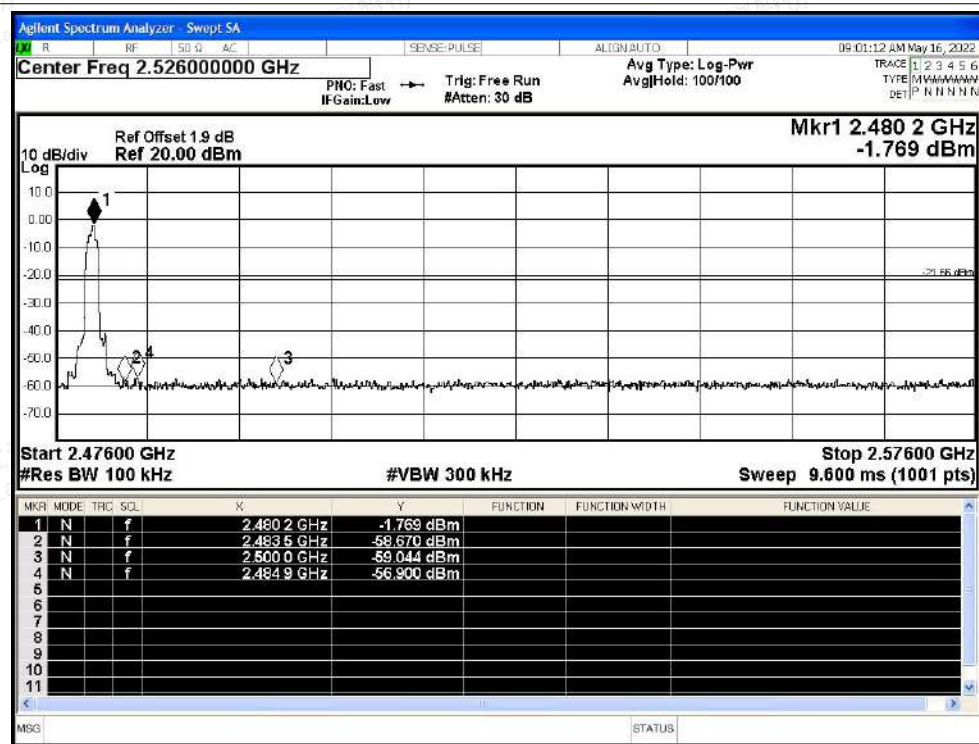




Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



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



**(Hopping)**

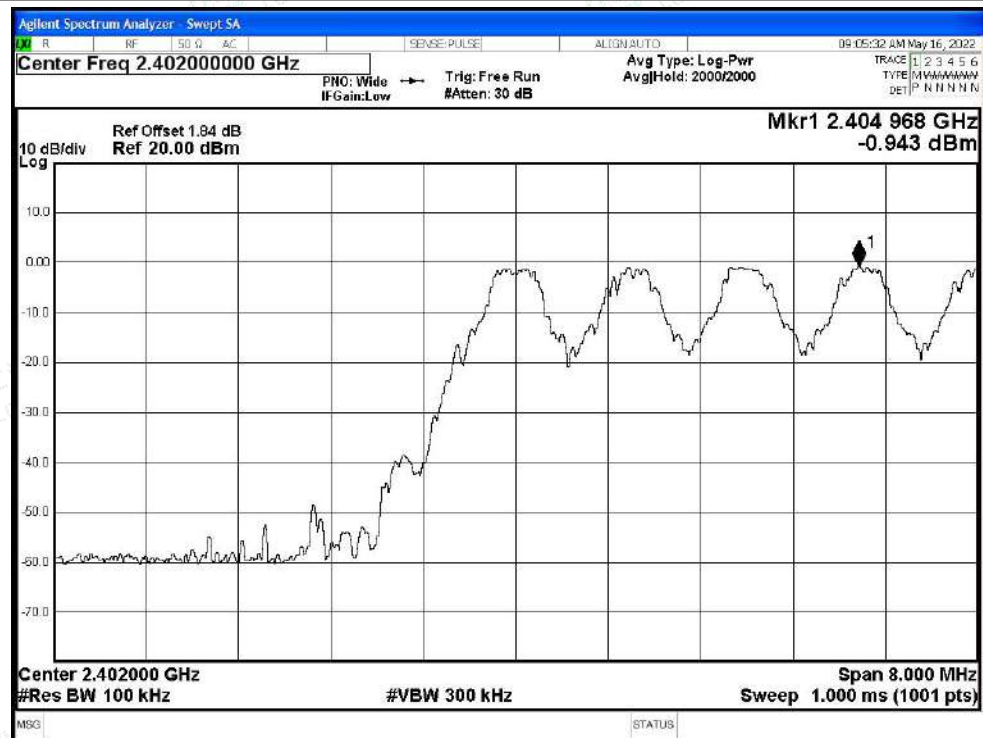
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-55.32	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-54.78	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-52.45	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-53.61	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-54.94	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-53.52	-20	Pass



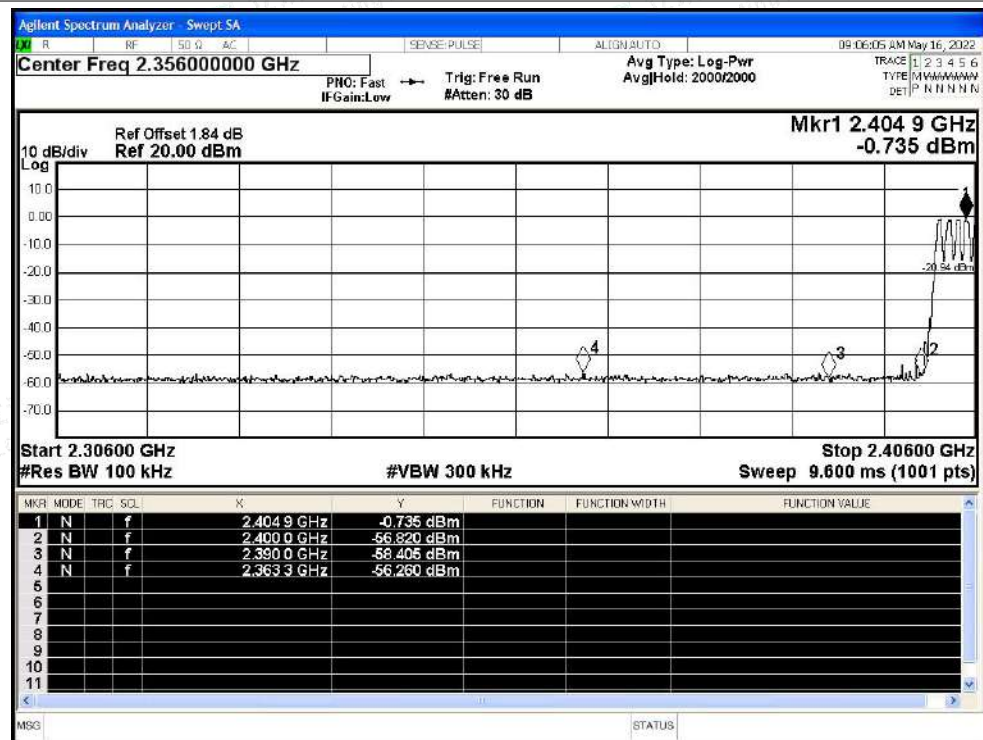


Test Graphs

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

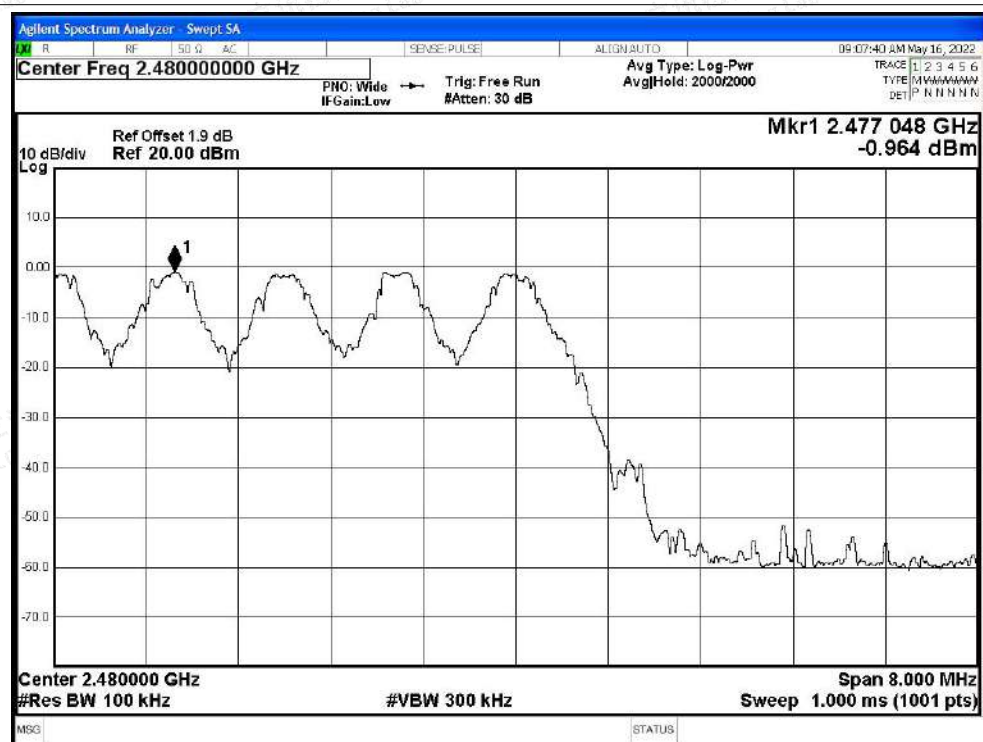


Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission

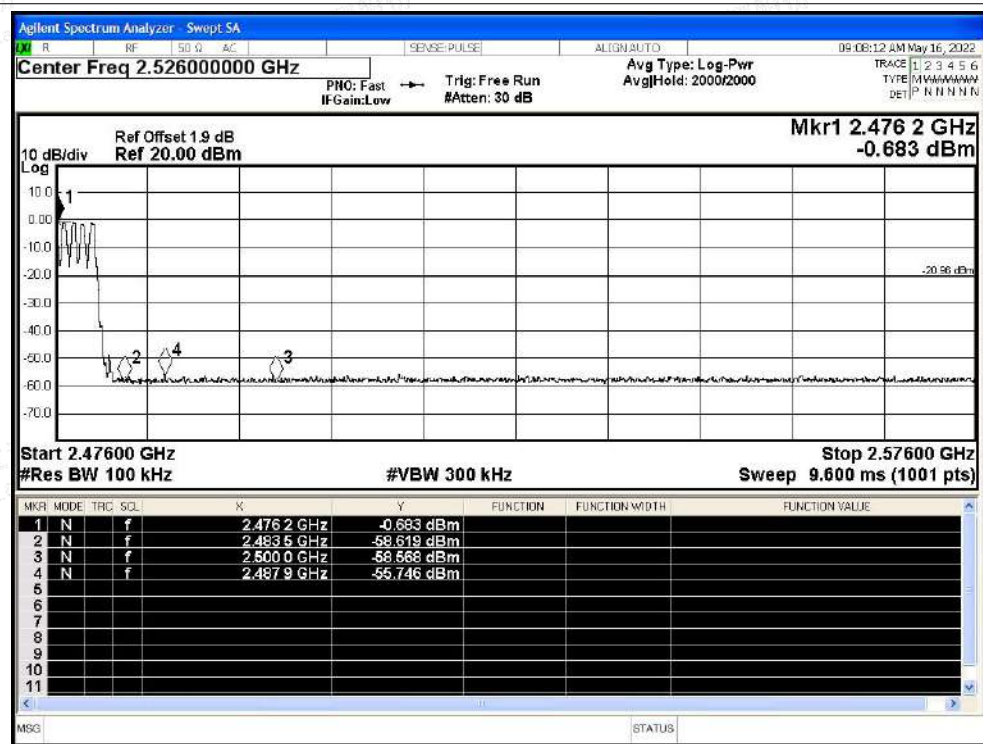




Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref

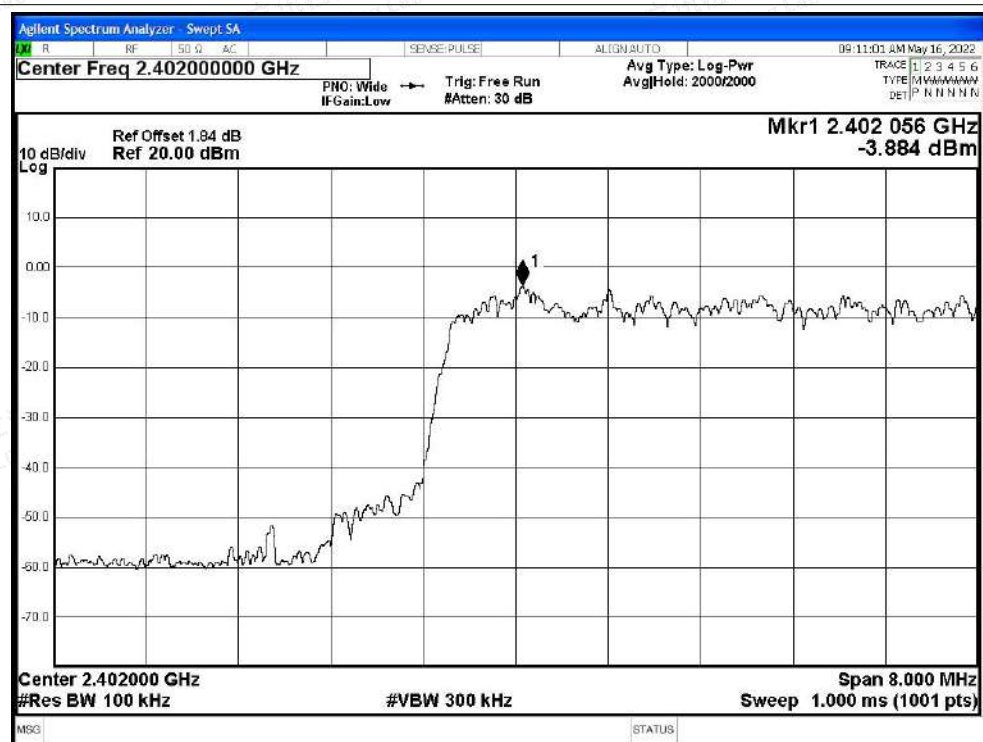


Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

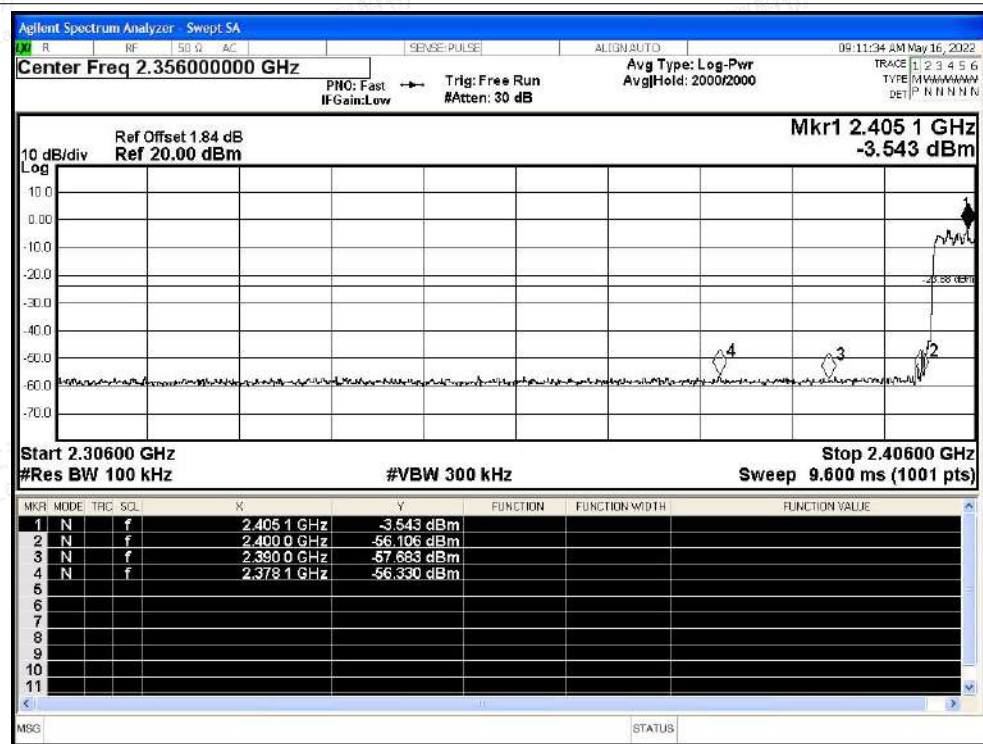




Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

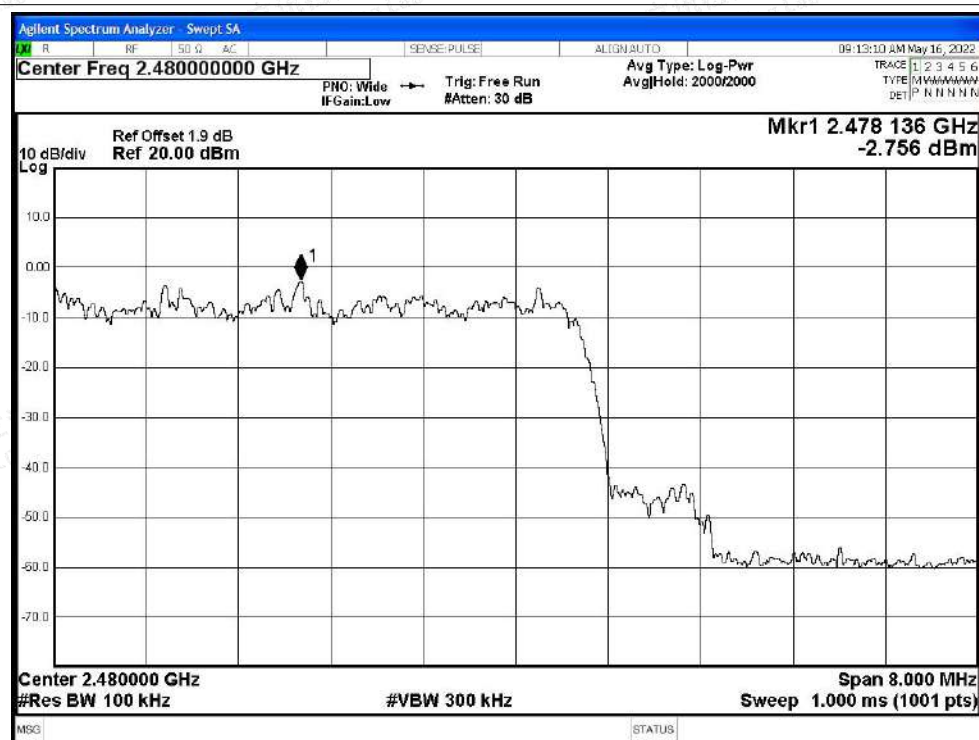


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission

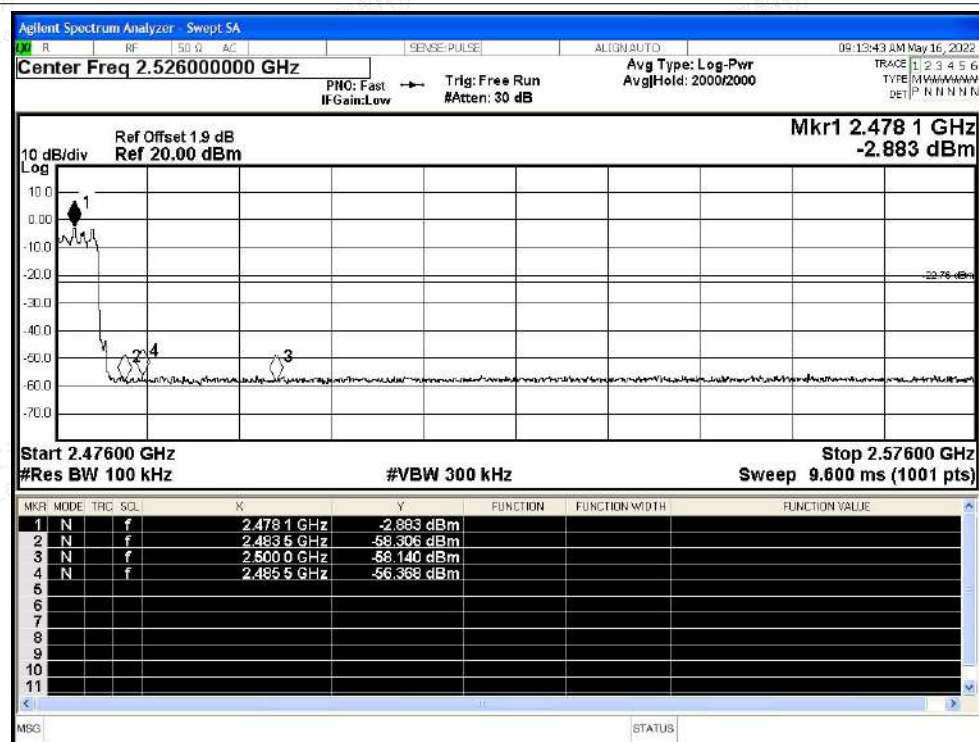




Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



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

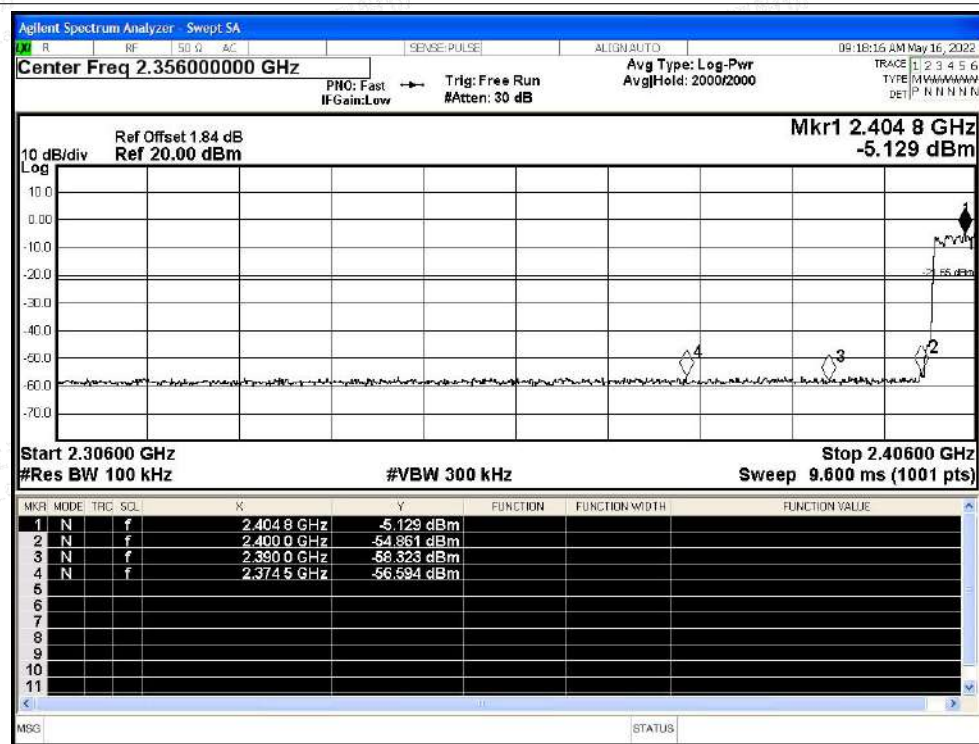




Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref

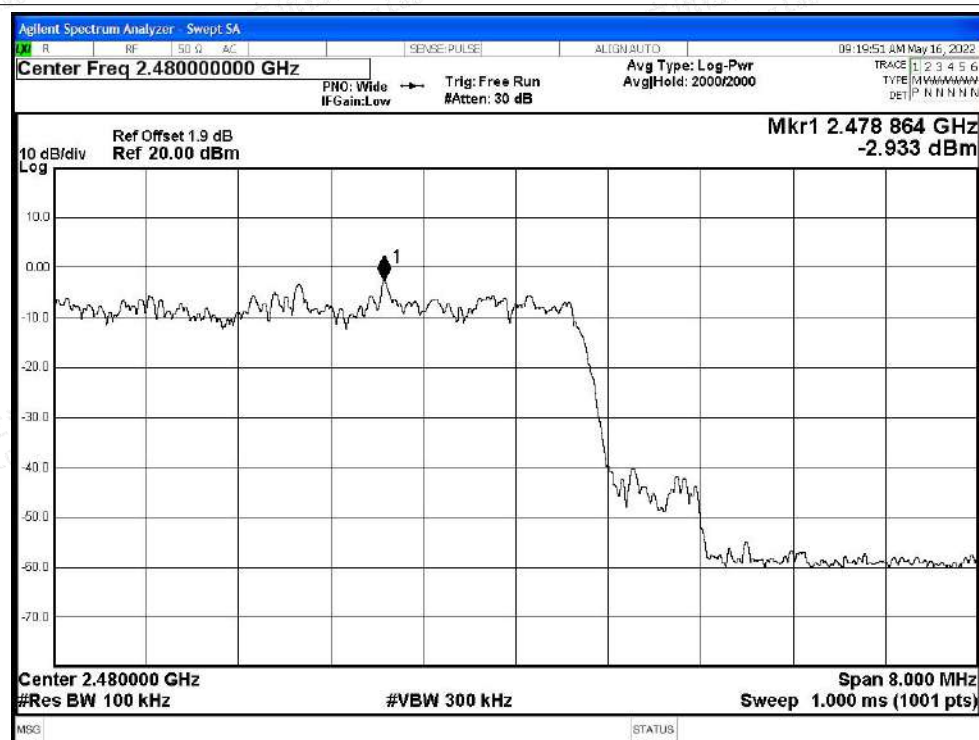


Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission

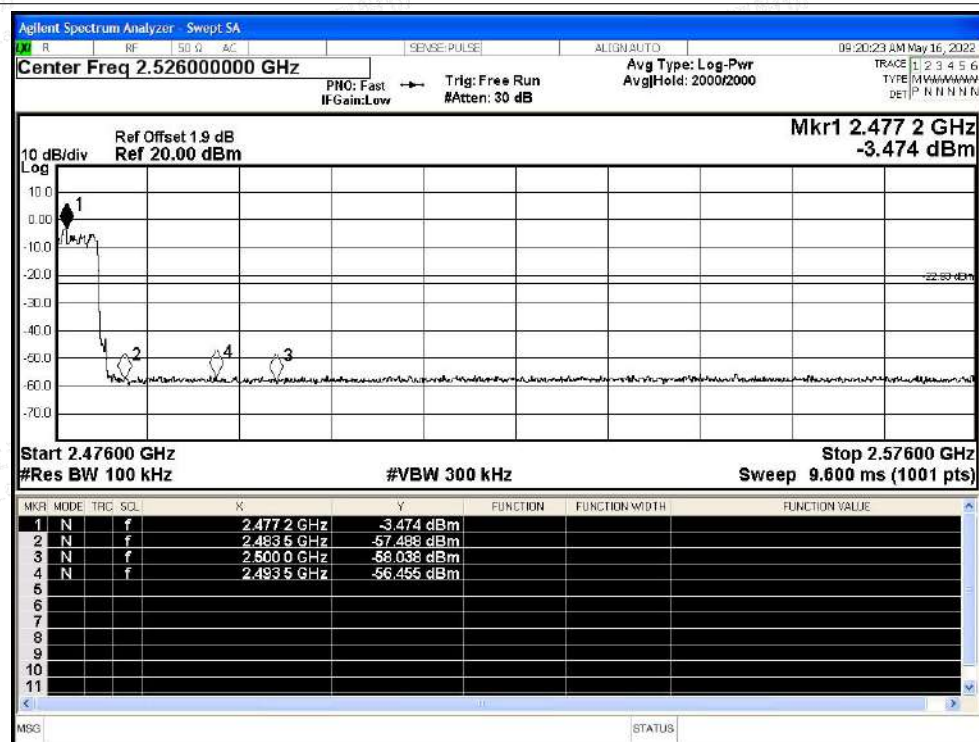




Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



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	-54.44	-20	Pass
NVNT	1-DH5	2441	Ant1	-55.06	-20	Pass
NVNT	1-DH5	2480	Ant1	-55.81	-20	Pass
NVNT	2-DH5	2402	Ant1	-53.87	-20	Pass
NVNT	2-DH5	2441	Ant1	-55.34	-20	Pass
NVNT	2-DH5	2480	Ant1	-26.48	-20	Pass
NVNT	3-DH5	2402	Ant1	-53.96	-20	Pass
NVNT	3-DH5	2441	Ant1	-54.75	-20	Pass
NVNT	3-DH5	2480	Ant1	-54.11	-20	Pass



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518000, China
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Scan code to check authenticity

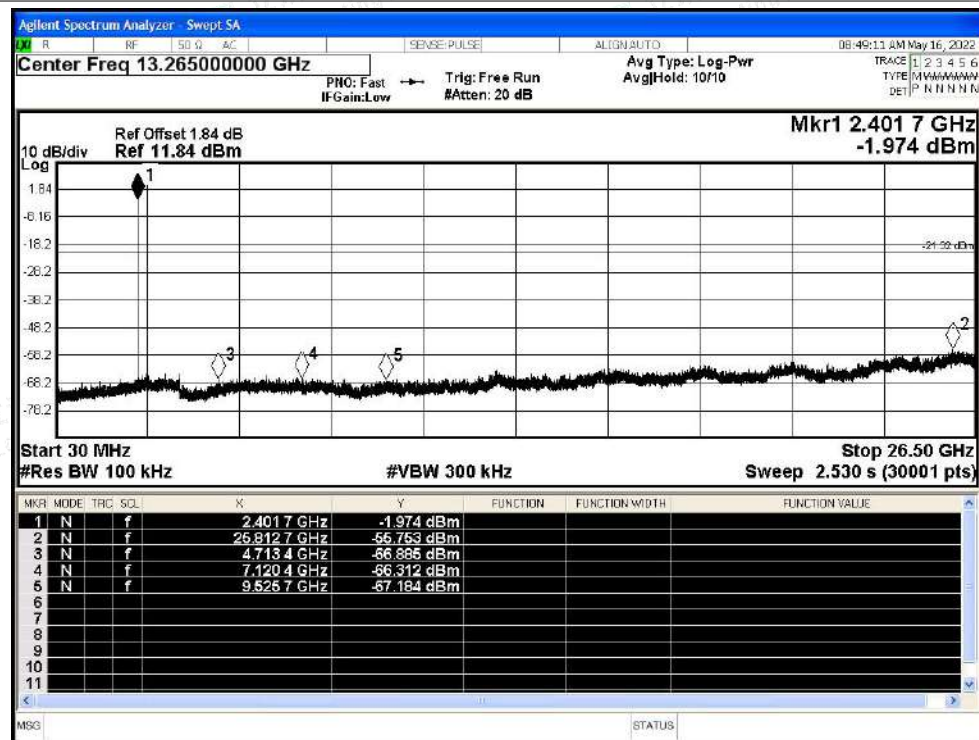


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



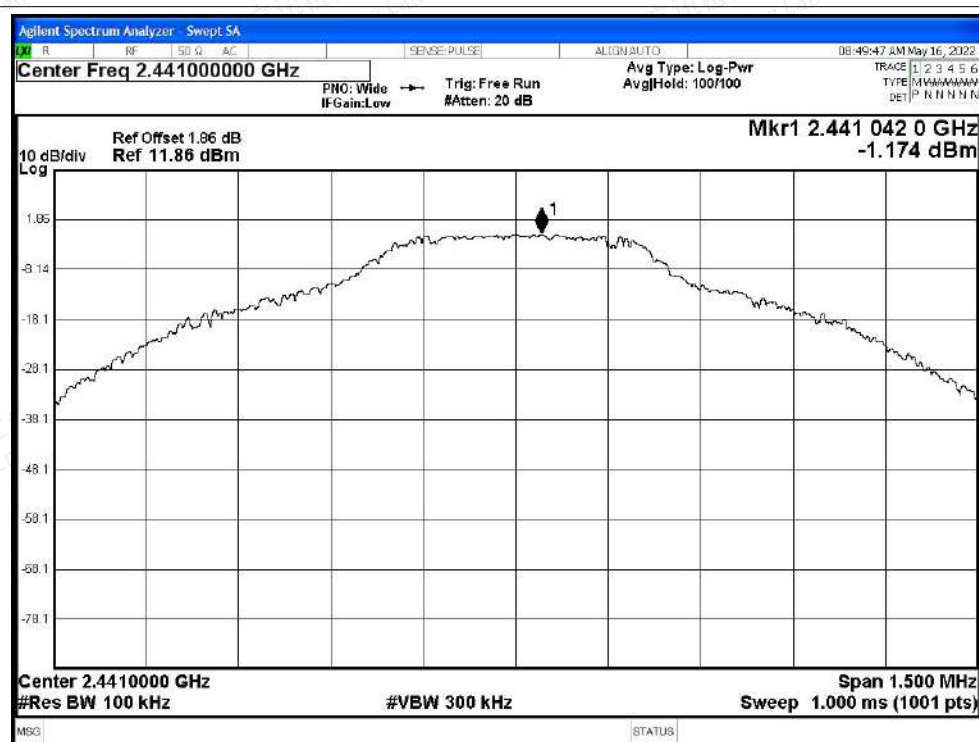
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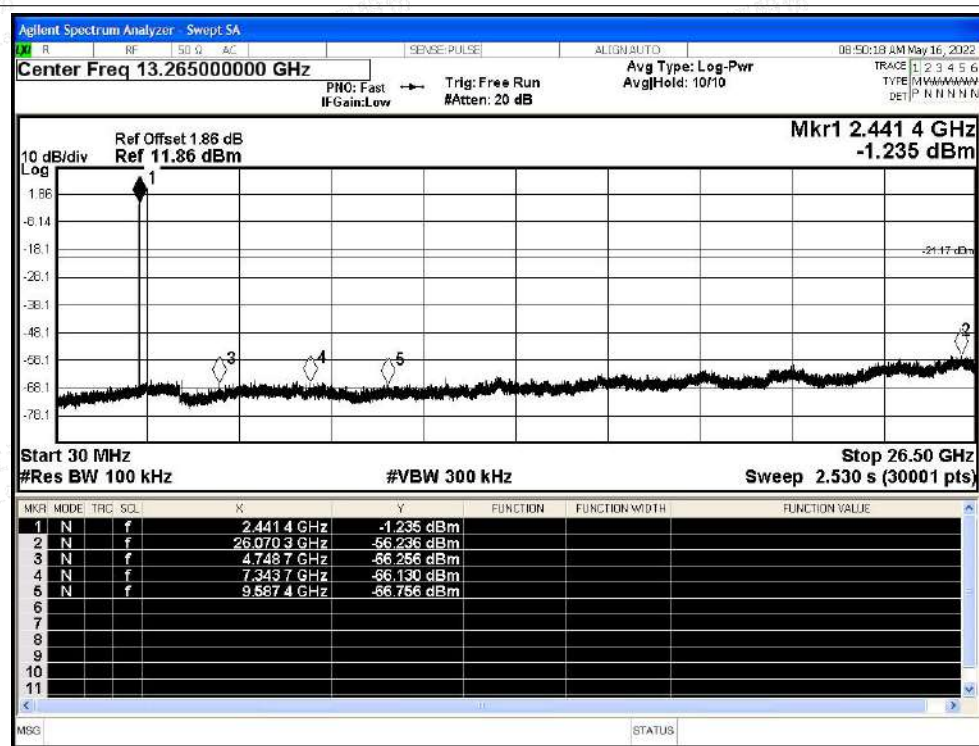
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Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



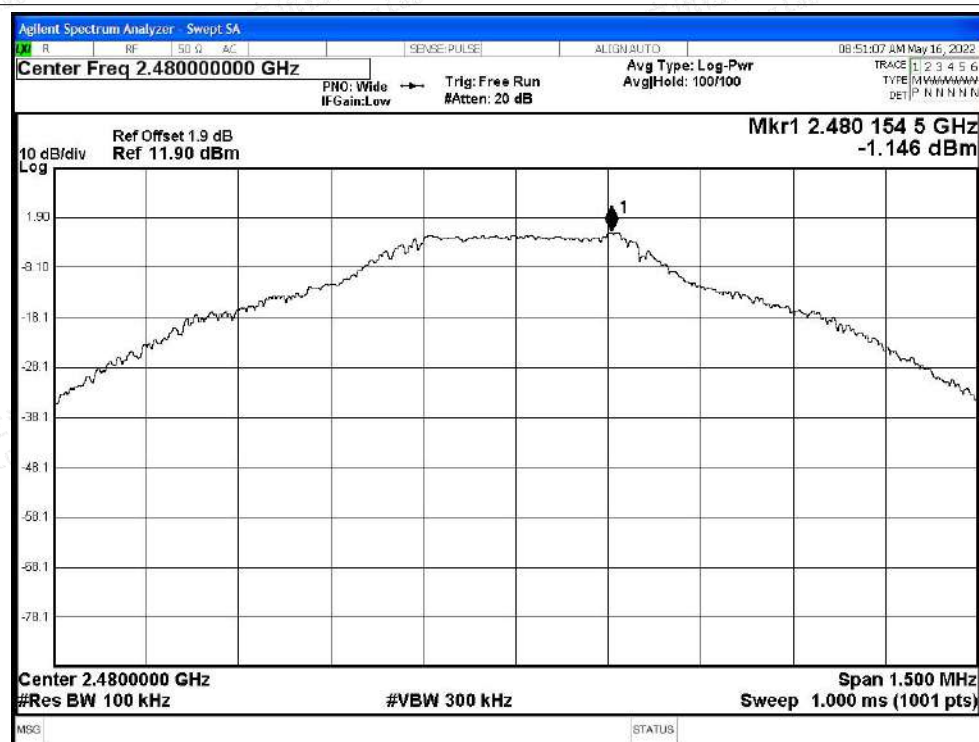
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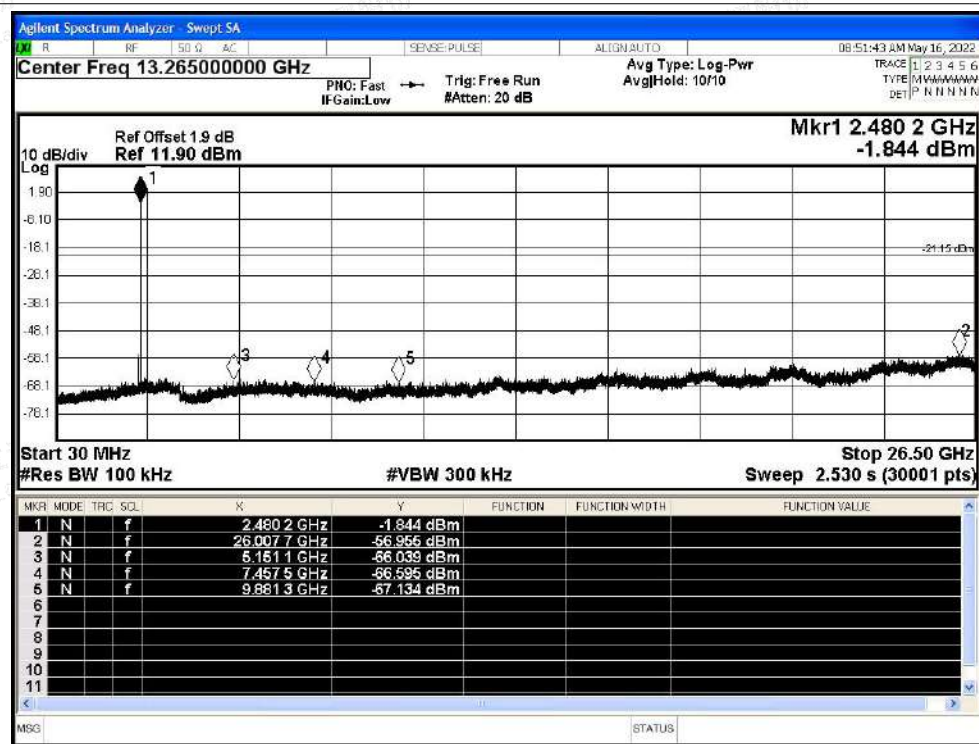
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Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

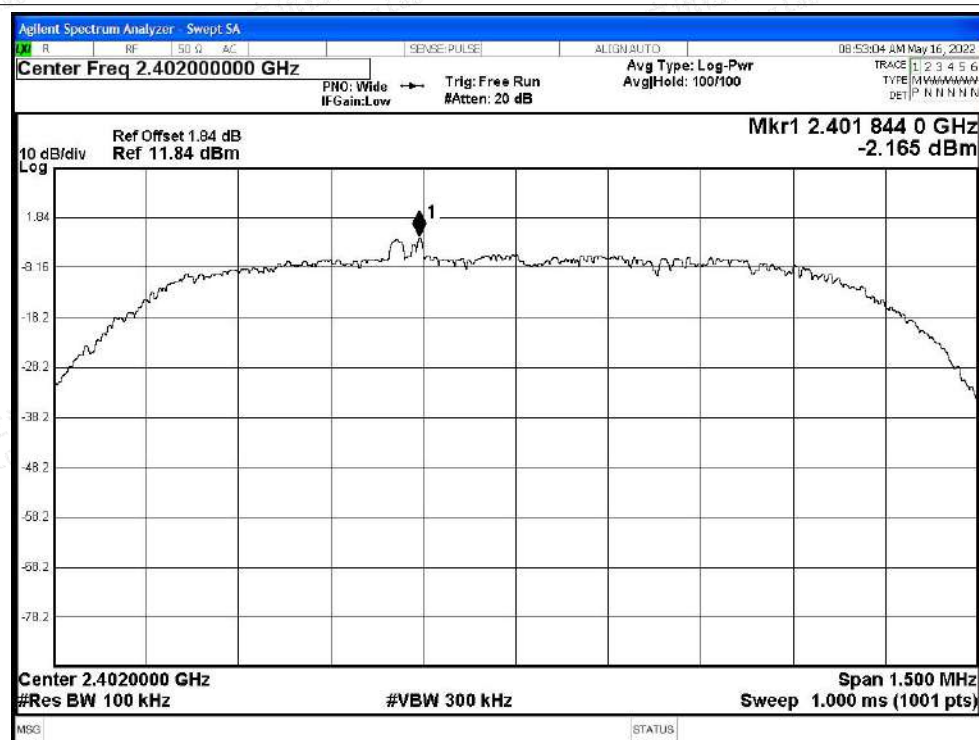


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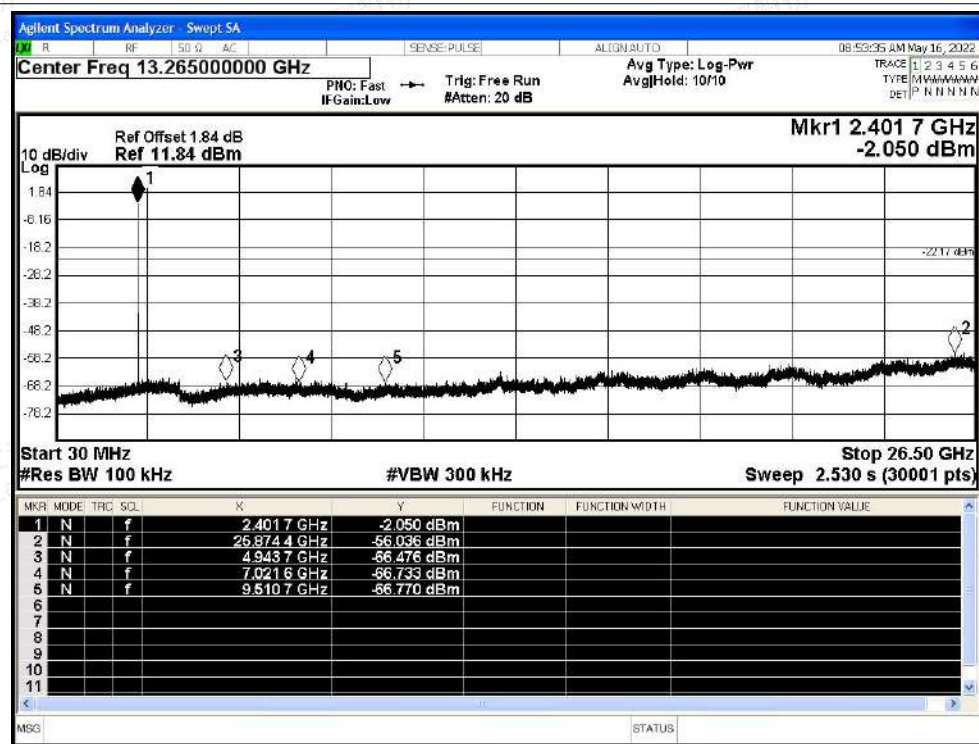




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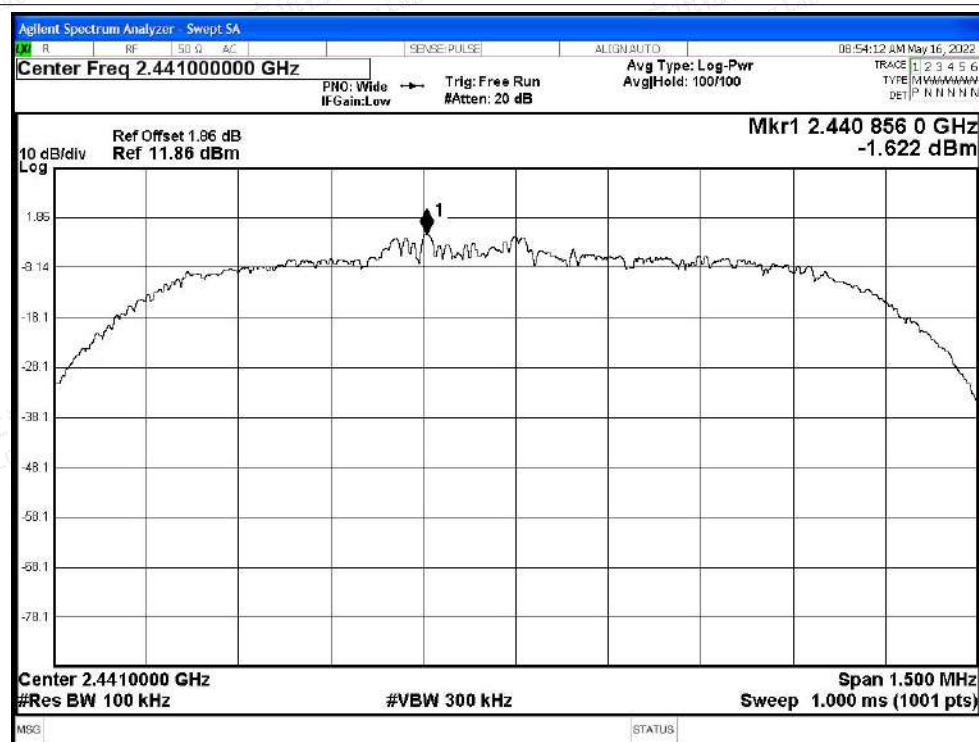


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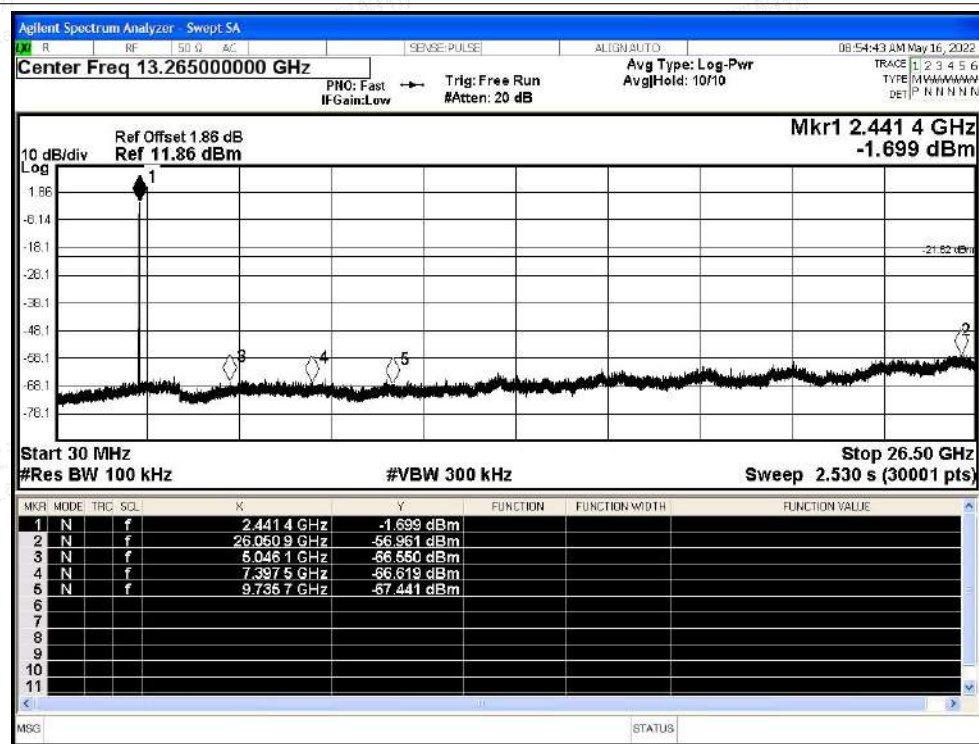




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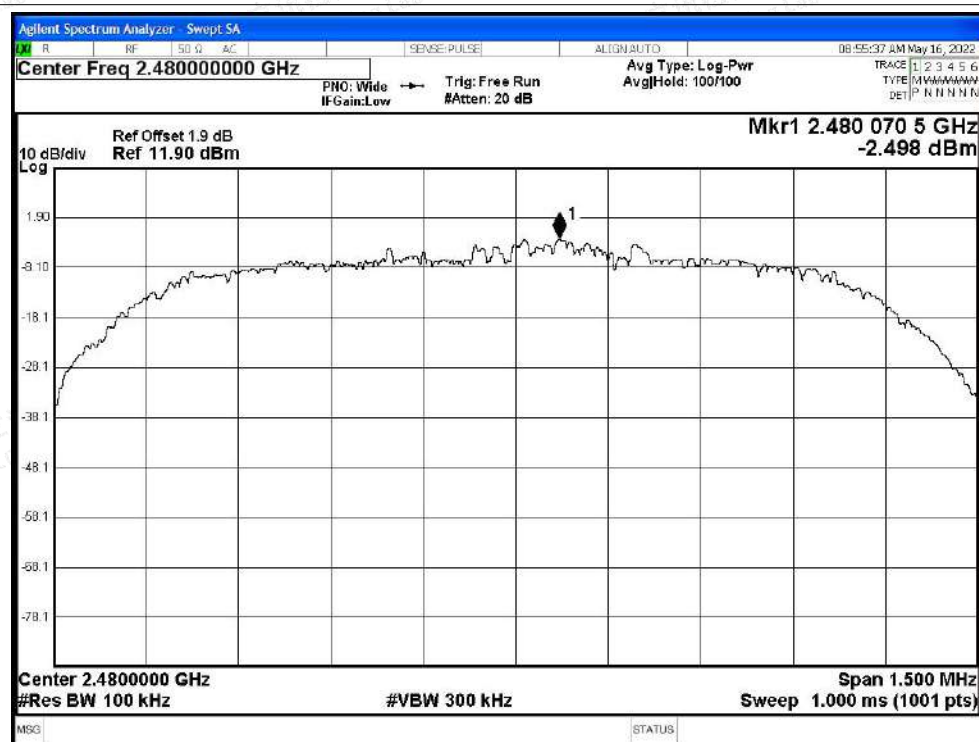


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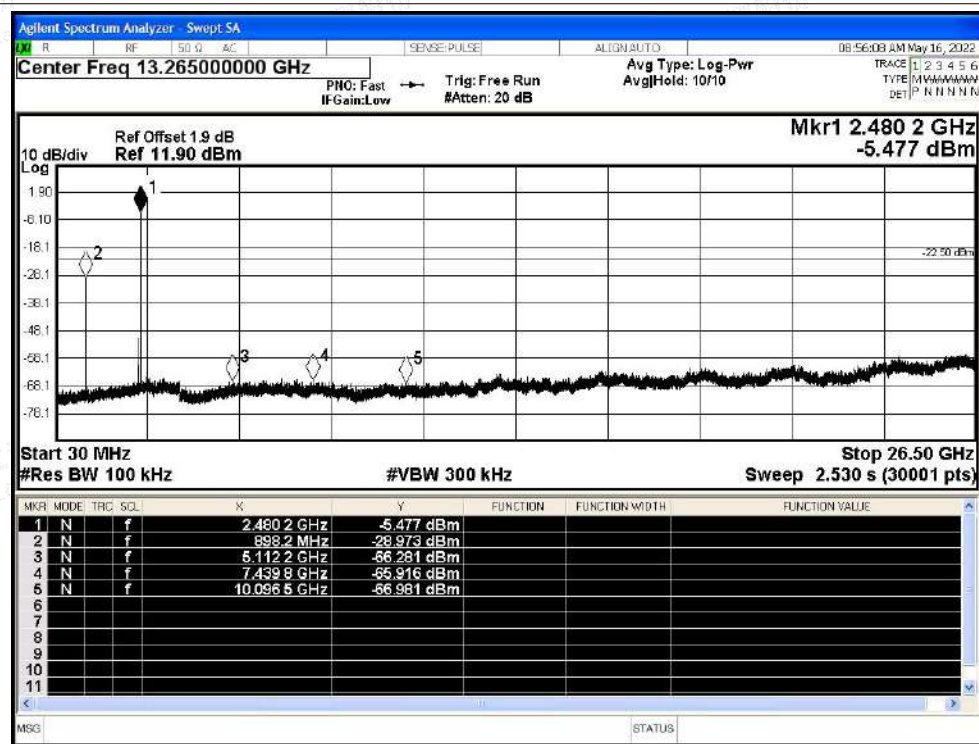




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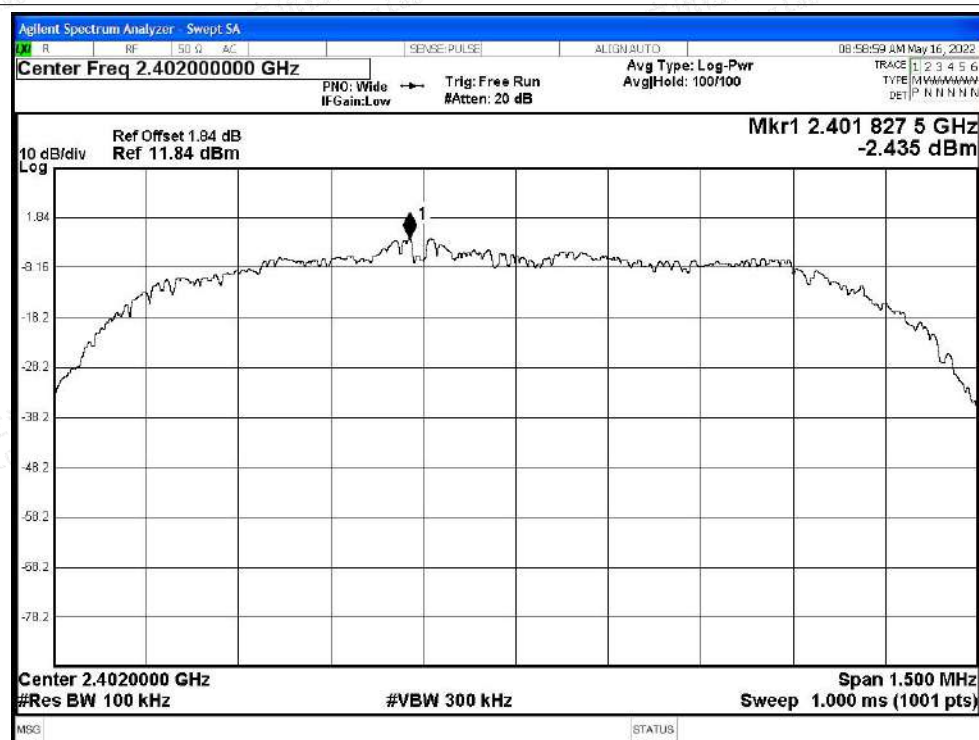


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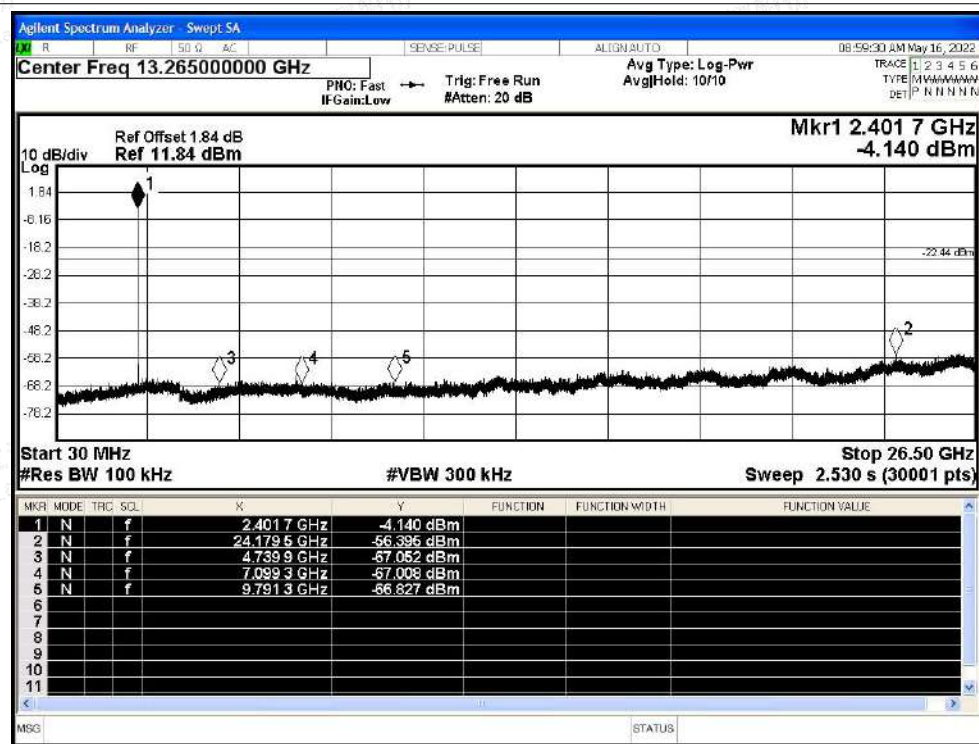




Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



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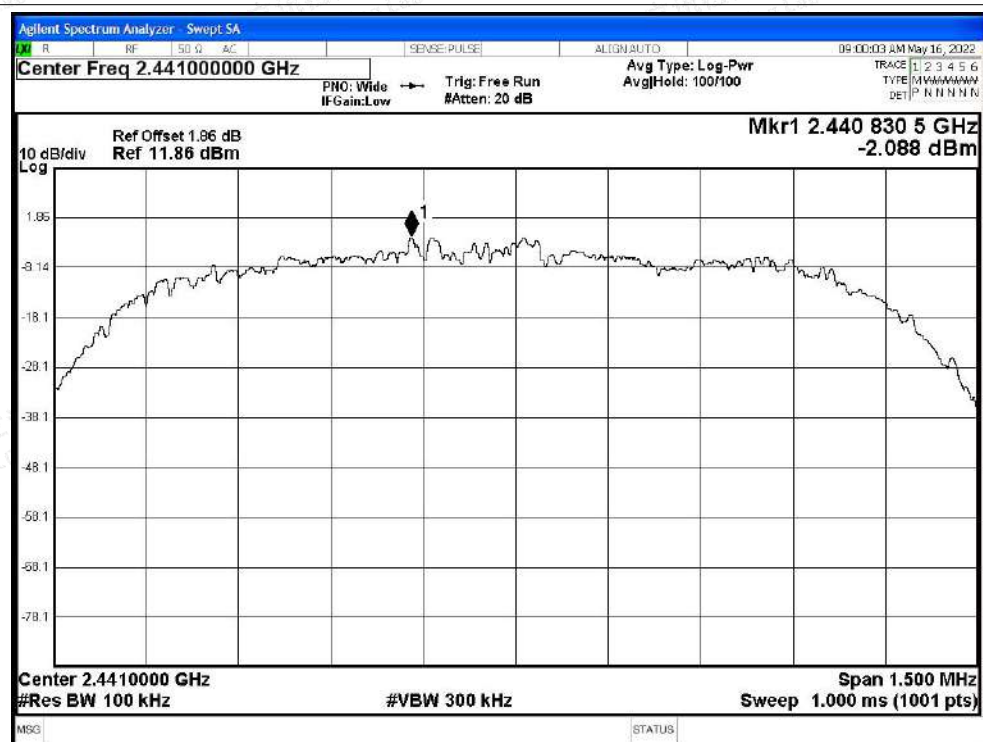
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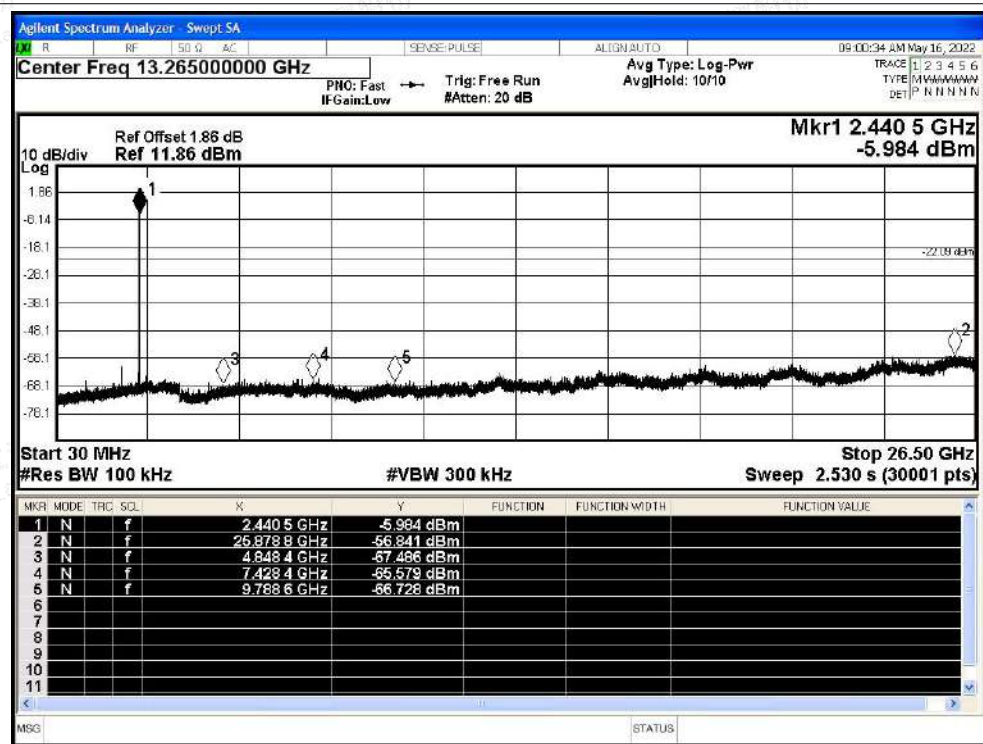
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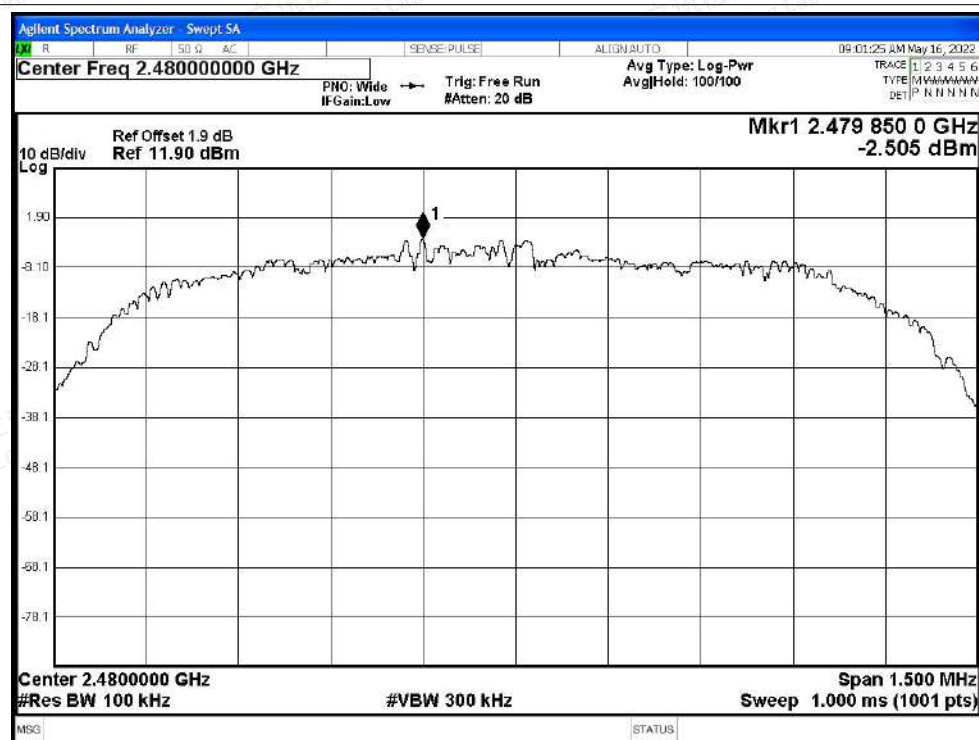


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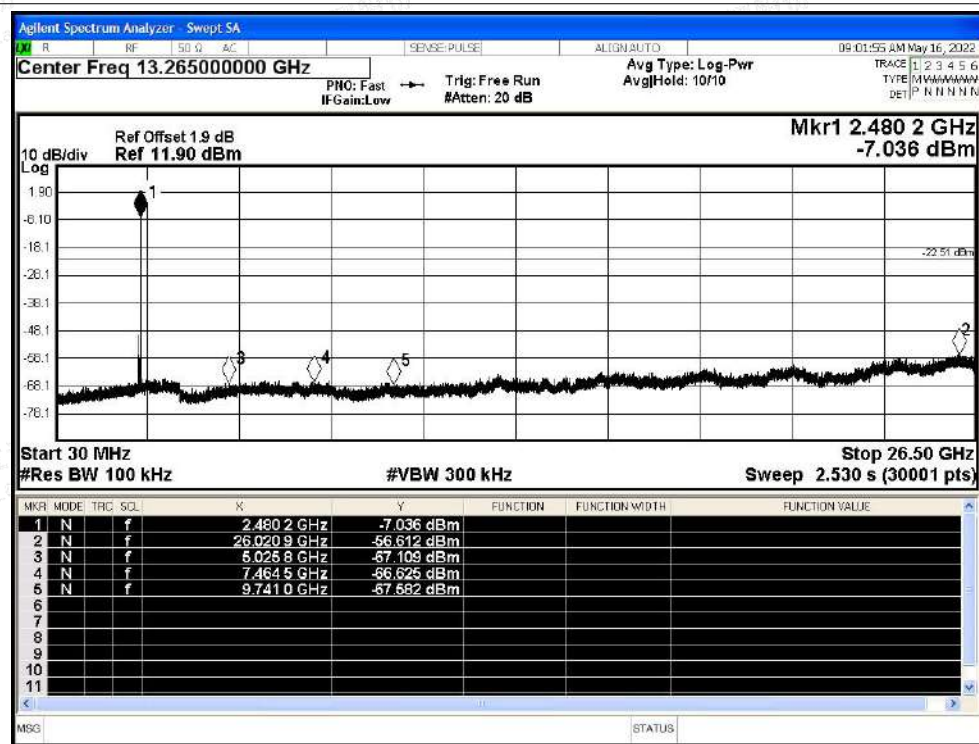




Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission





A.8 Restrict Band

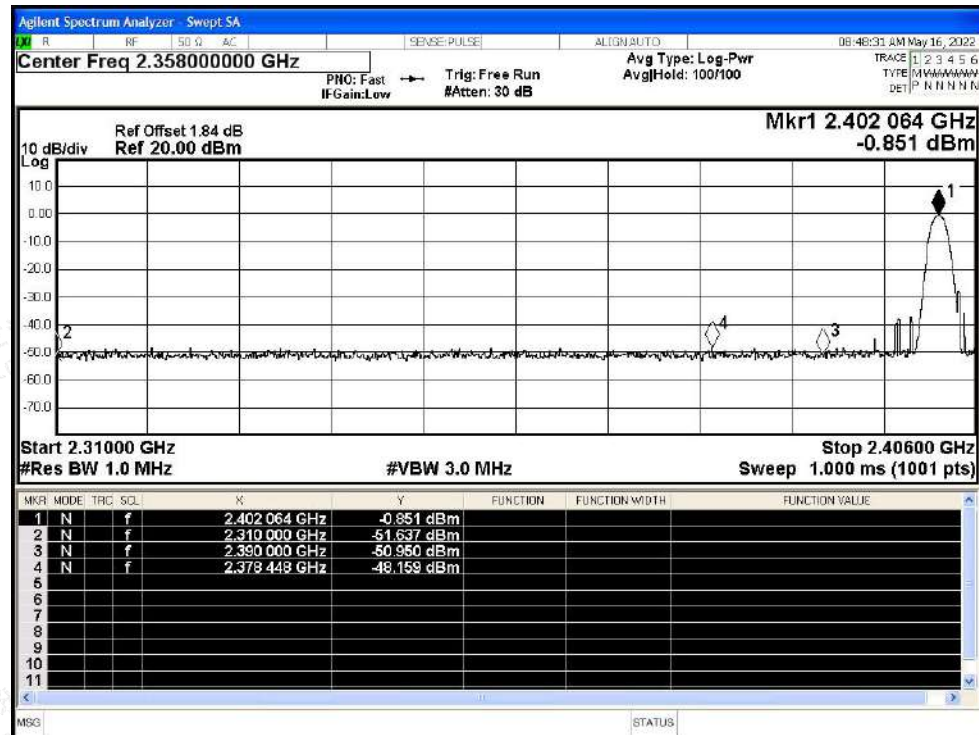
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-51.64	2	45.62	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-60.9	2	36.36	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2378.448	-48.16	2	49.1	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2388.24	-60.41	2	36.85	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-51.58	2	45.68	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-60.45	2	36.81	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-49.72	2	47.54	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-60.03	2	37.23	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2484.064	-38.28	2	58.98	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.512	-60.03	2	37.23	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-49.42	2	47.84	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-60.39	2	36.87	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-49.92	2	47.34	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-60.86	2	36.4	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2331.12	-48.1	2	49.16	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2387.376	-60.36	2	36.9	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-51.28	2	45.98	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-60.45	2	36.81	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-49.58	2	47.68	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-59.99	2	37.27	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2484.208	-38.71	2	58.55	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2497.264	-59.89	2	37.37	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-51.04	2	46.22	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-60.28	2	36.98	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-51.53	2	45.73	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-60.8	2	36.46	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2327.472	-48.16	2	49.1	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2385.072	-60.31	2	36.95	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-51.52	2	45.74	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-60.52	2	36.74	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-49.84	2	47.42	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-59.86	2	37.4	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2496.832	-47.45	2	49.81	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2498.704	-59.62	2	37.64	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-48.23	2	49.03	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-60.14	2	37.12	Average	54	Pass



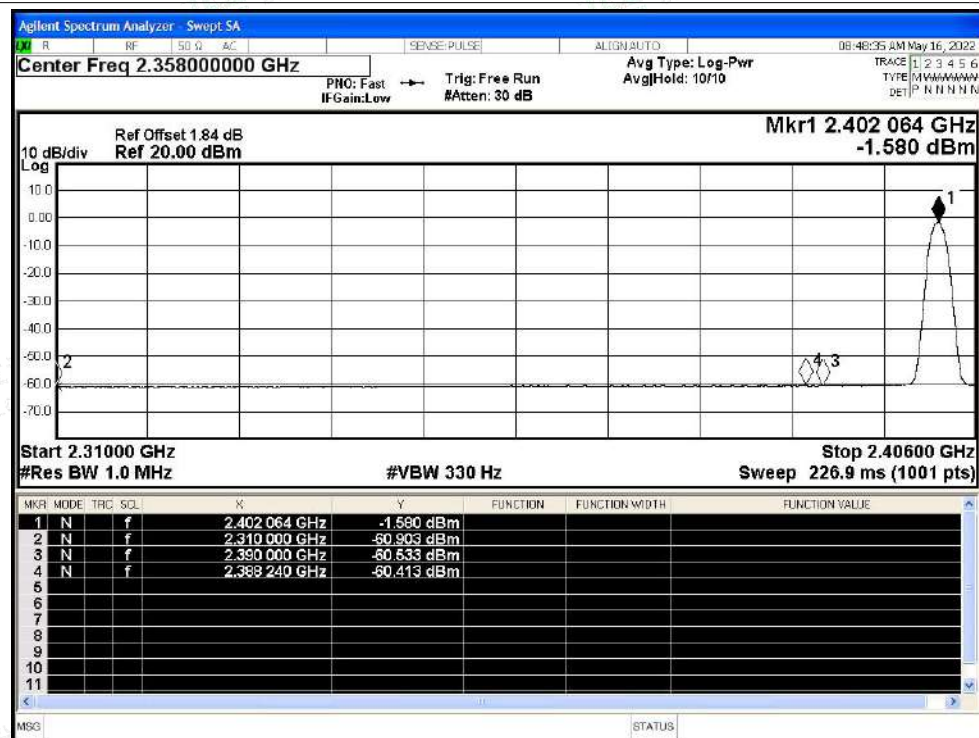


Test Graphs

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

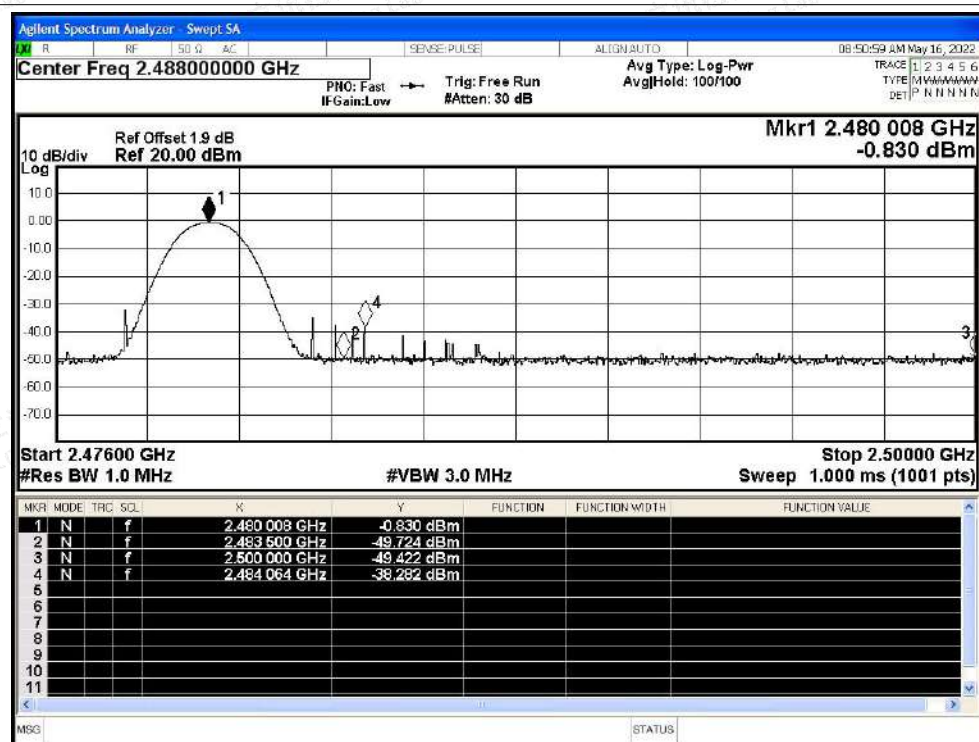


Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average

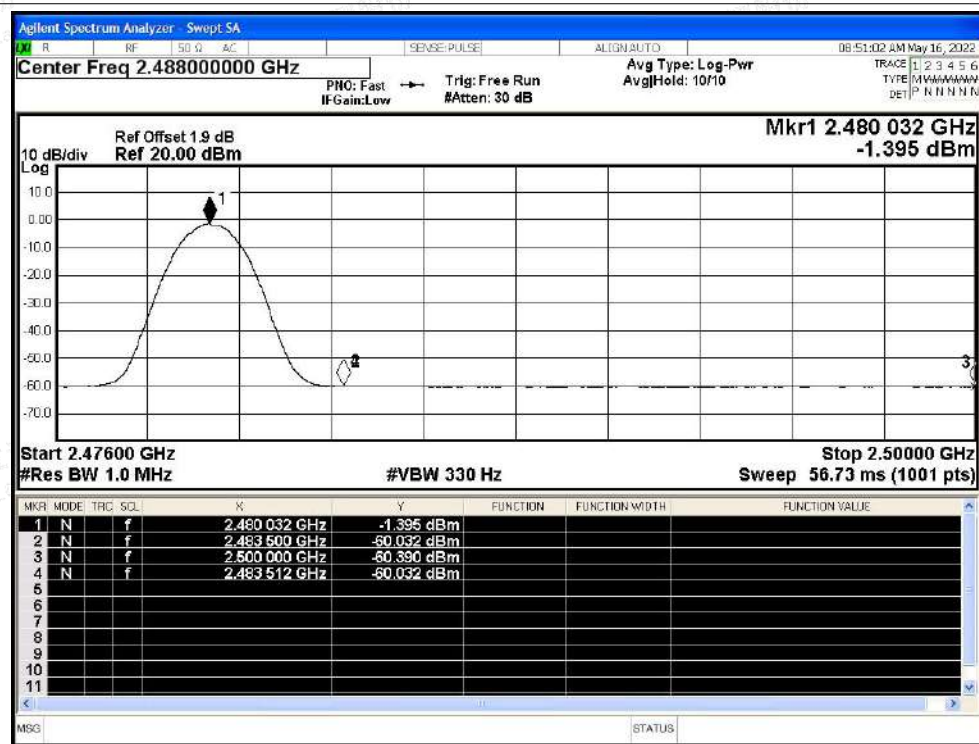




Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

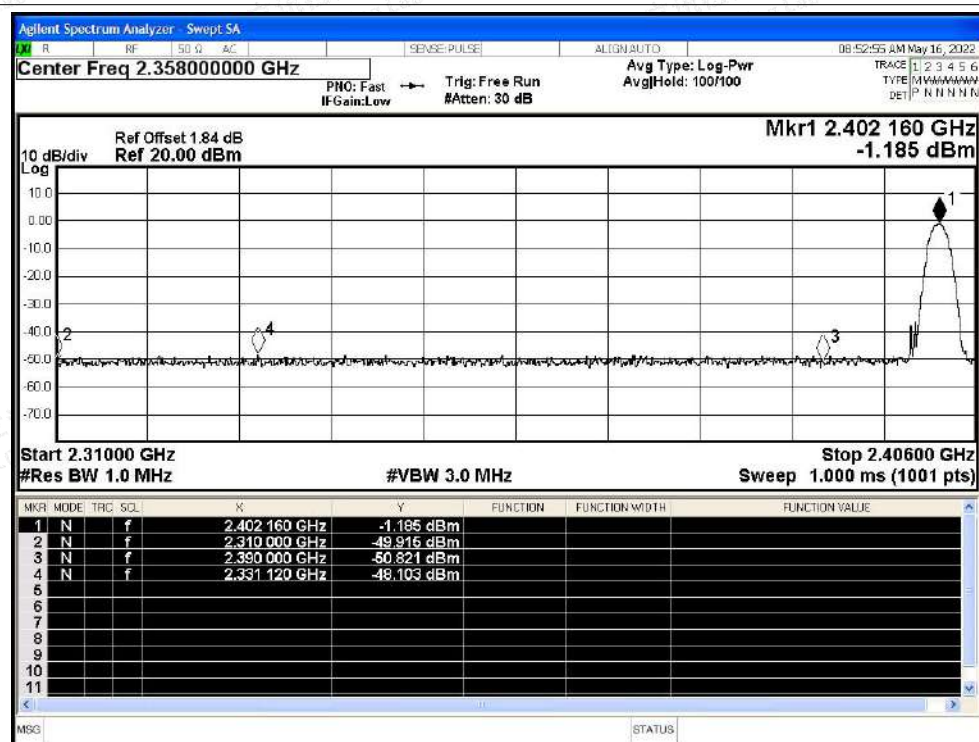


Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average

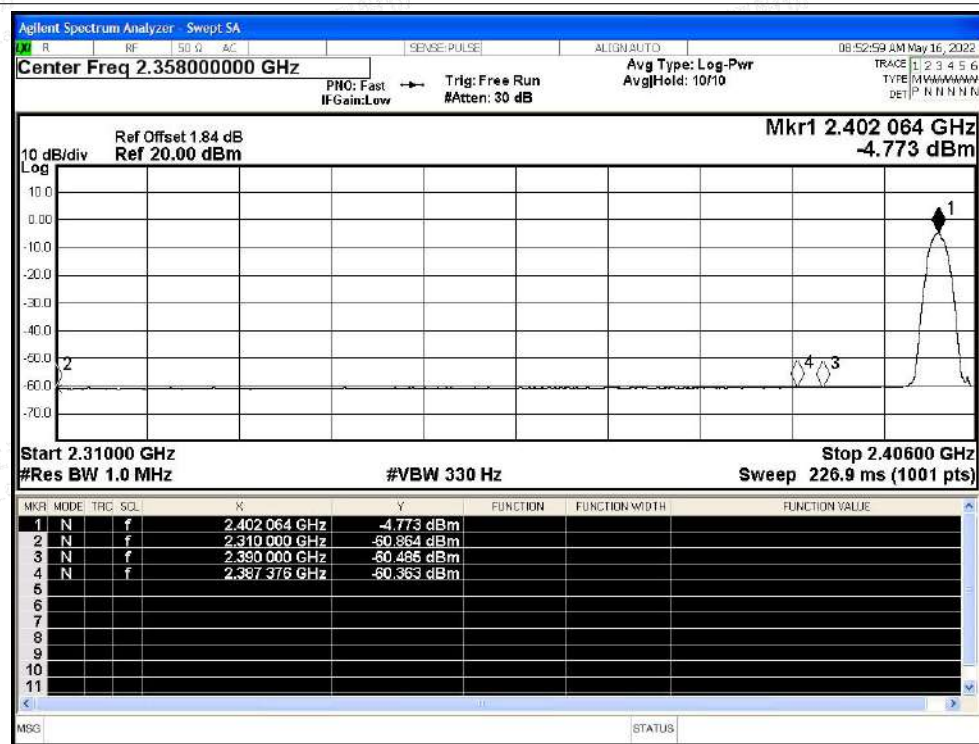




Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak

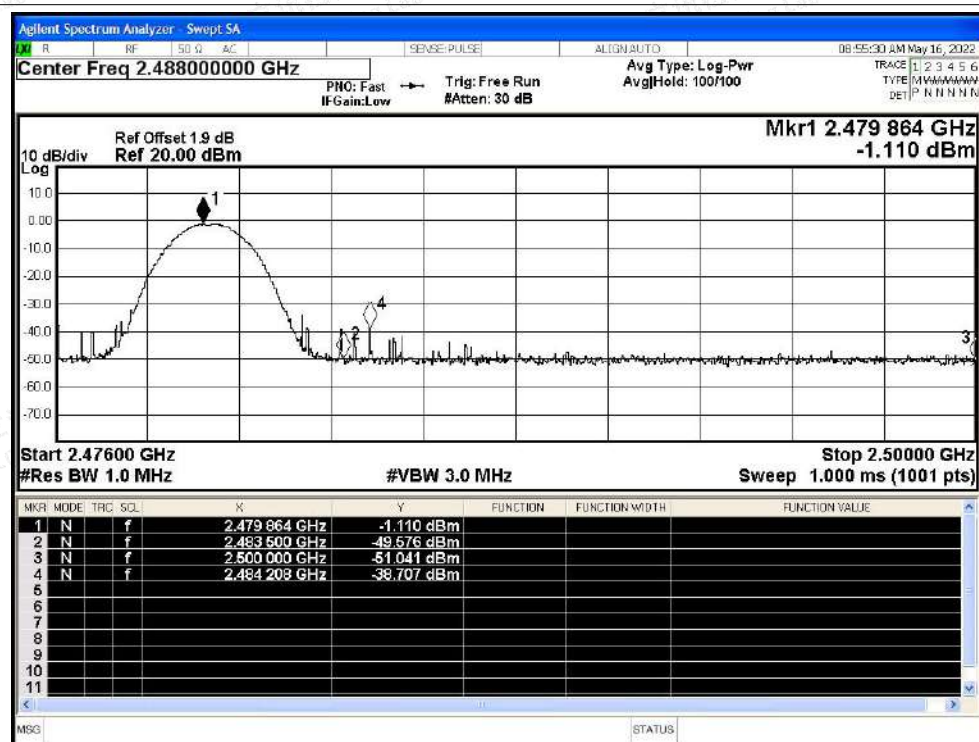


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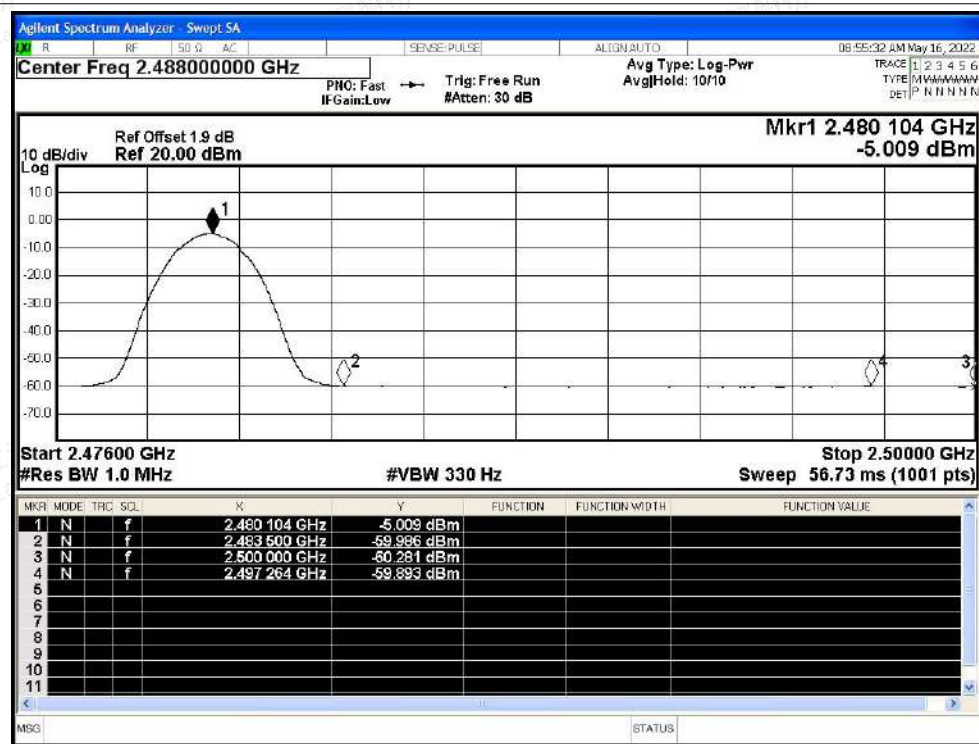




Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak

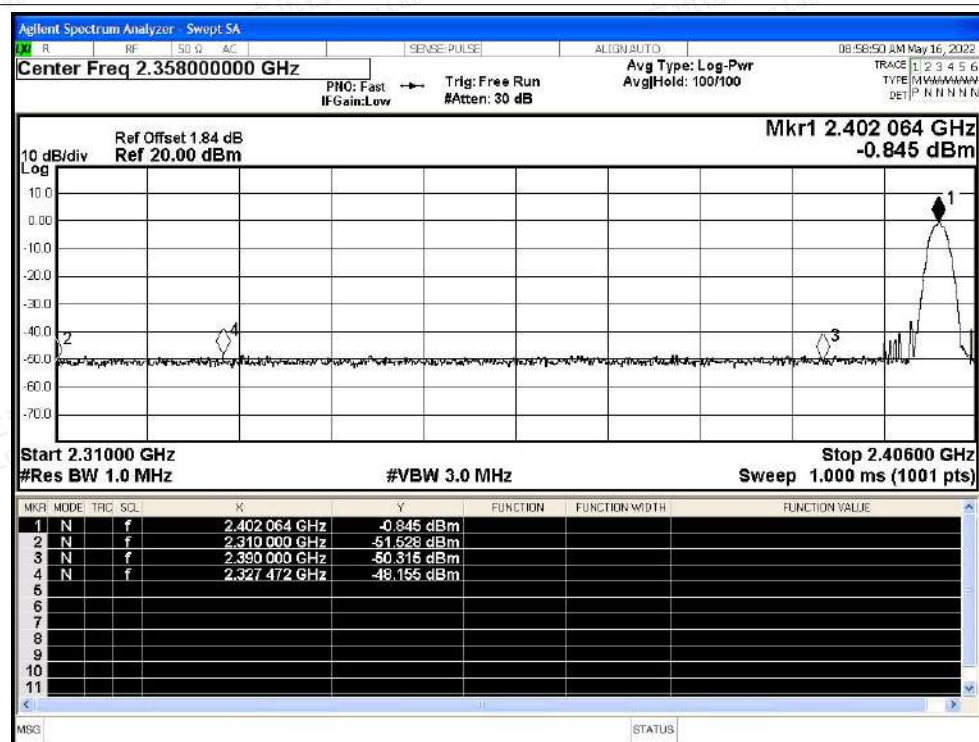


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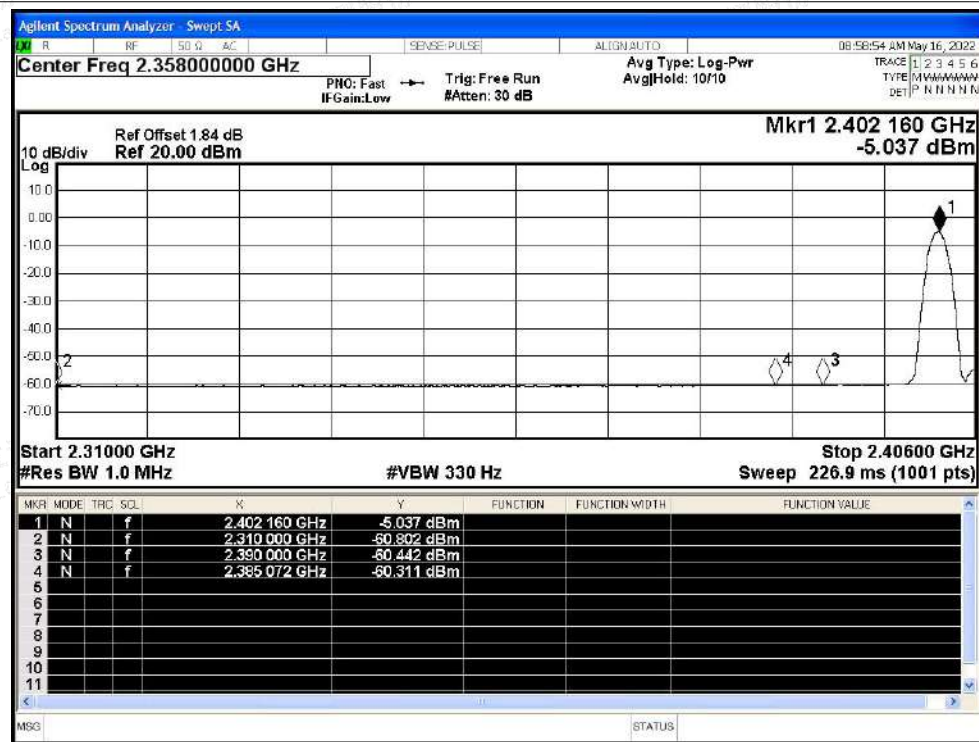




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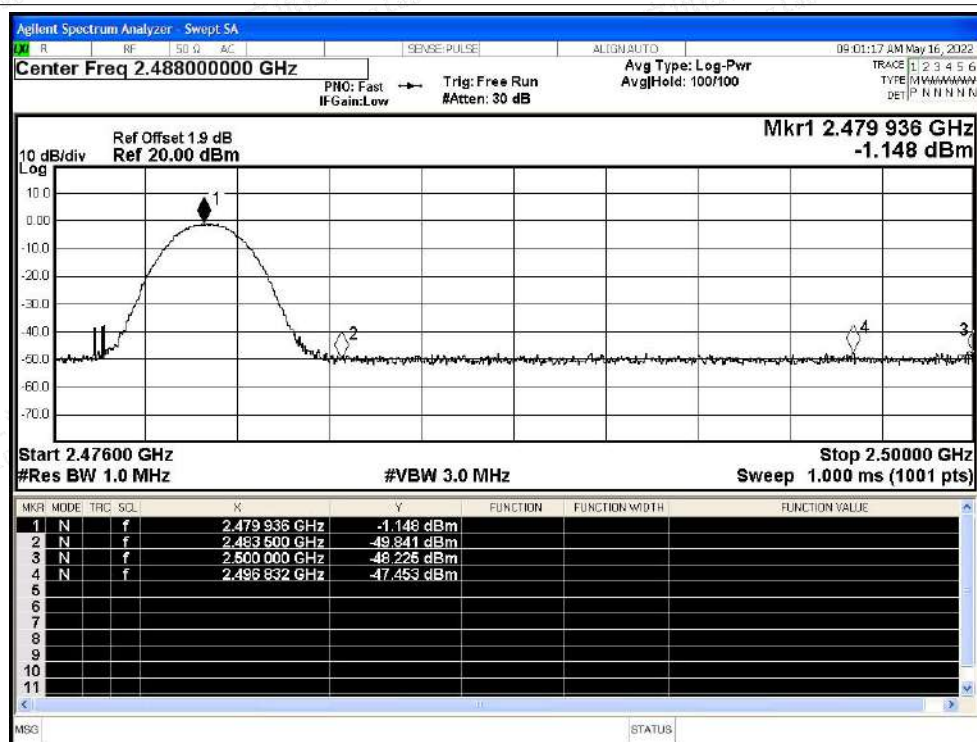


Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Average





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



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

