



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Bluetooth Headphone

Test Model: SW-B69

Environmental Conditions

Temperature:	23.5 ° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jack Cheng
Supervised by:	Li huan



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A.1 20dB Emission Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	20 dB Bandwidth (MHz)	Limit 20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.998	---	Pass
NVNT	1-DH5	2441	Ant1	1.014	---	Pass
NVNT	1-DH5	2480	Ant1	1.02	---	Pass
NVNT	2-DH5	2402	Ant1	1.275	---	Pass
NVNT	2-DH5	2441	Ant1	1.323	---	Pass
NVNT	2-DH5	2480	Ant1	1.318	---	Pass
NVNT	3-DH5	2402	Ant1	1.293	---	Pass
NVNT	3-DH5	2441	Ant1	1.298	---	Pass
NVNT	3-DH5	2480	Ant1	1.306	---	Pass



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Test Graphs

20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



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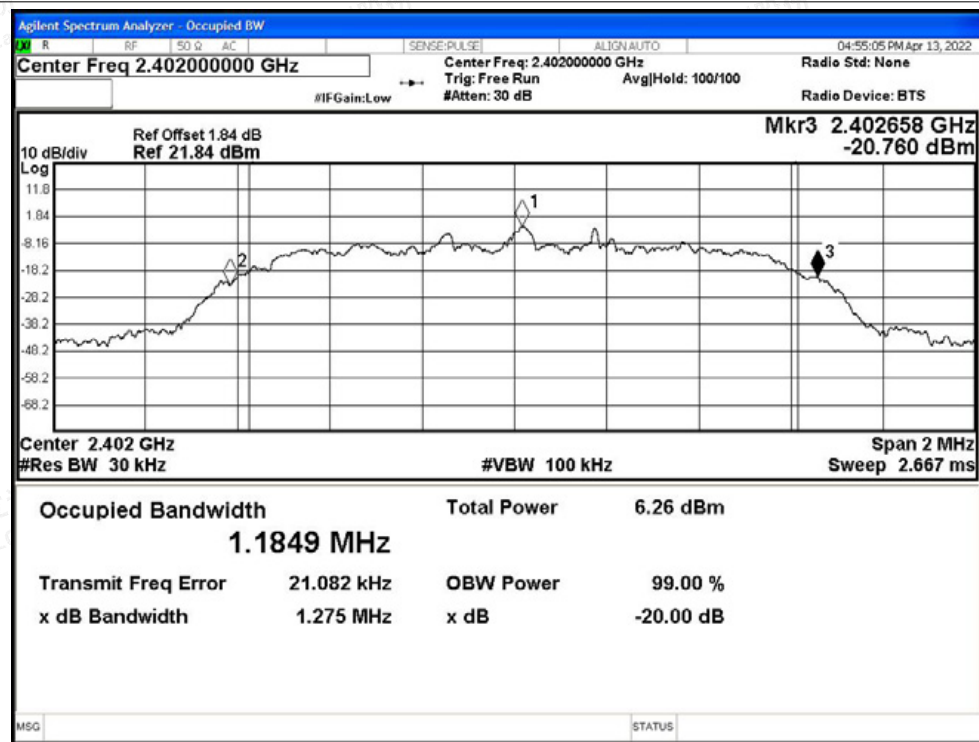
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20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



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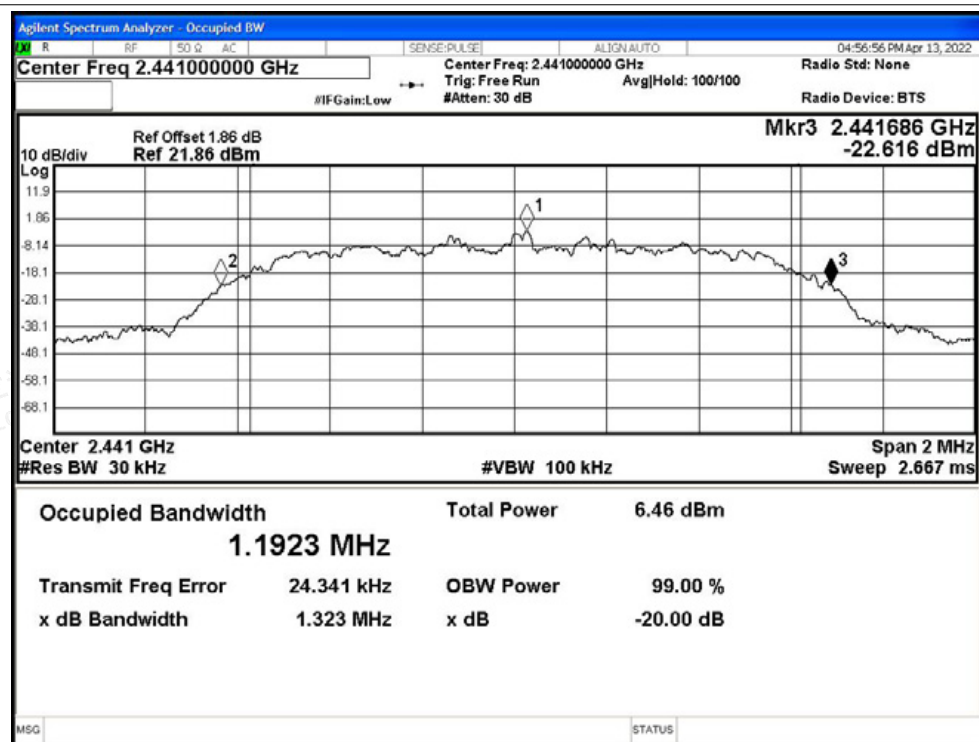
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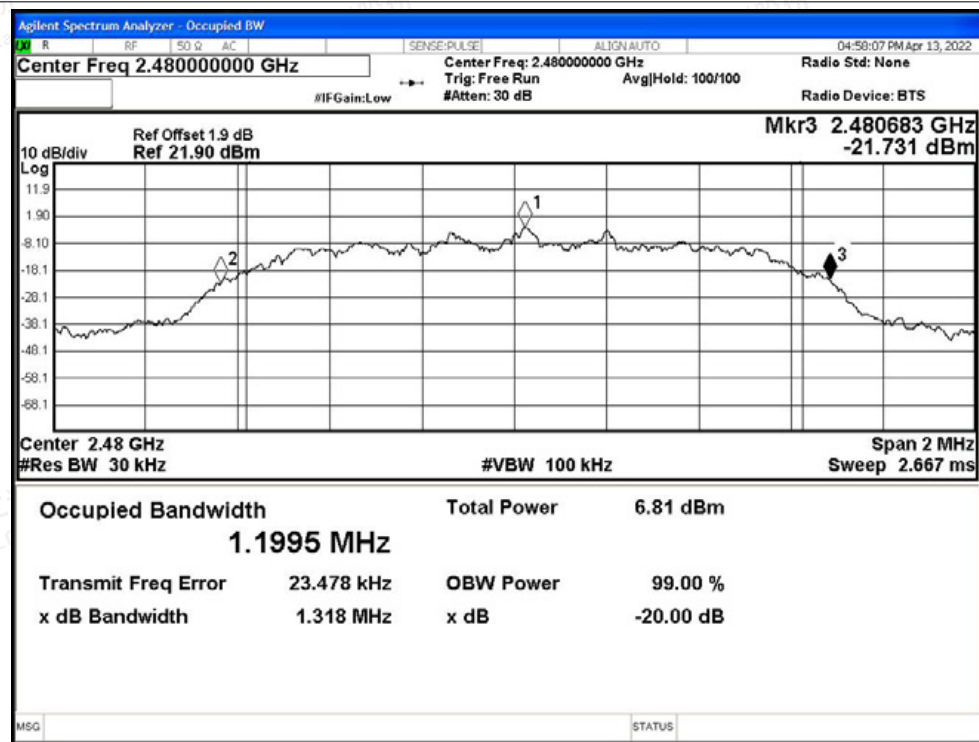
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20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



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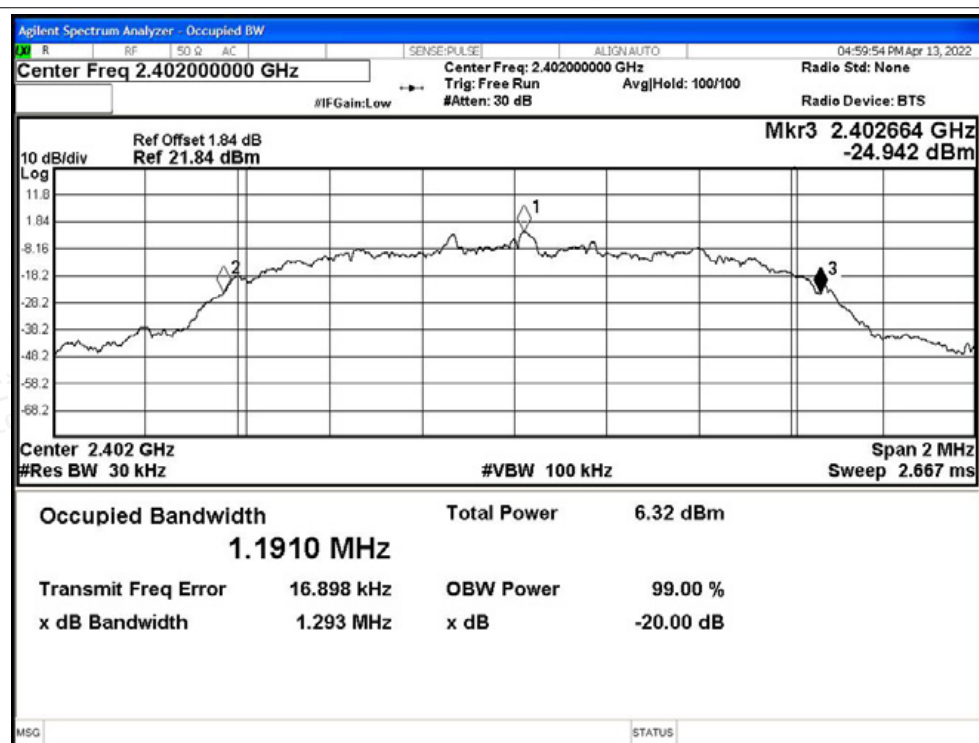
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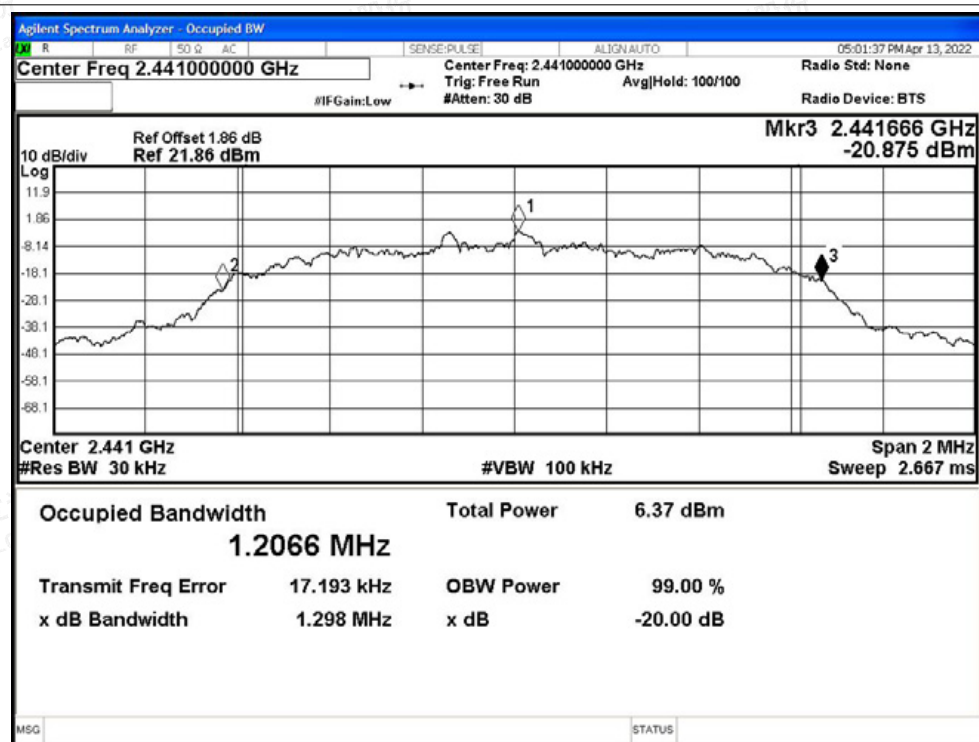
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20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



20dB Bandwidth NVNT 3-DH5 2441MHz Ant1

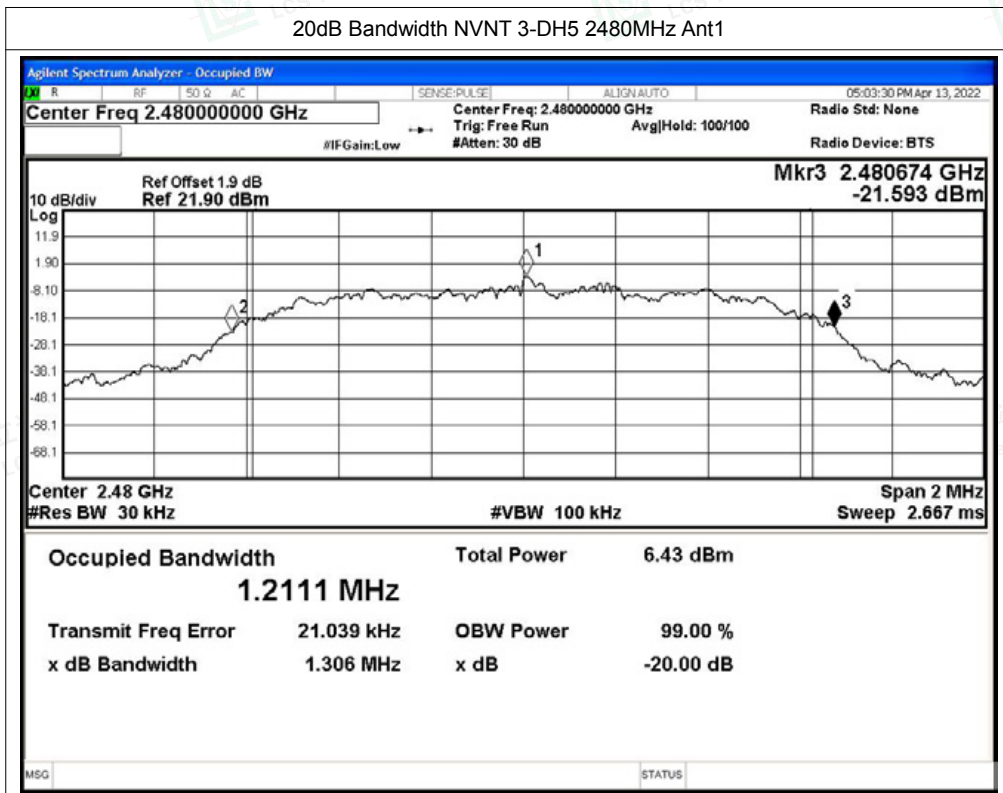


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A.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	0.28	20.97	Pass
NVNT	1-DH5	2441	Ant1	0.73	20.97	Pass
NVNT	1-DH5	2480	Ant1	0.97	20.97	Pass
NVNT	2-DH5	2402	Ant1	1.16	20.97	Pass
NVNT	2-DH5	2441	Ant1	1.58	20.97	Pass
NVNT	2-DH5	2480	Ant1	1.78	20.97	Pass
NVNT	3-DH5	2402	Ant1	1.54	20.97	Pass
NVNT	3-DH5	2441	Ant1	2.07	20.97	Pass
NVNT	3-DH5	2480	Ant1	2.22	20.97	Pass



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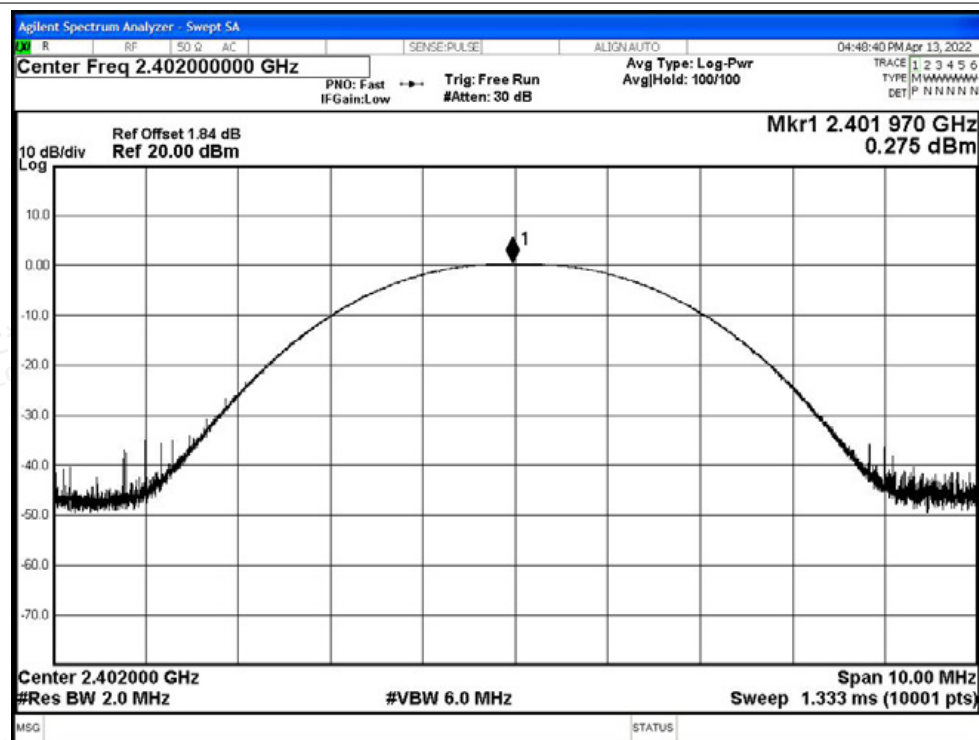
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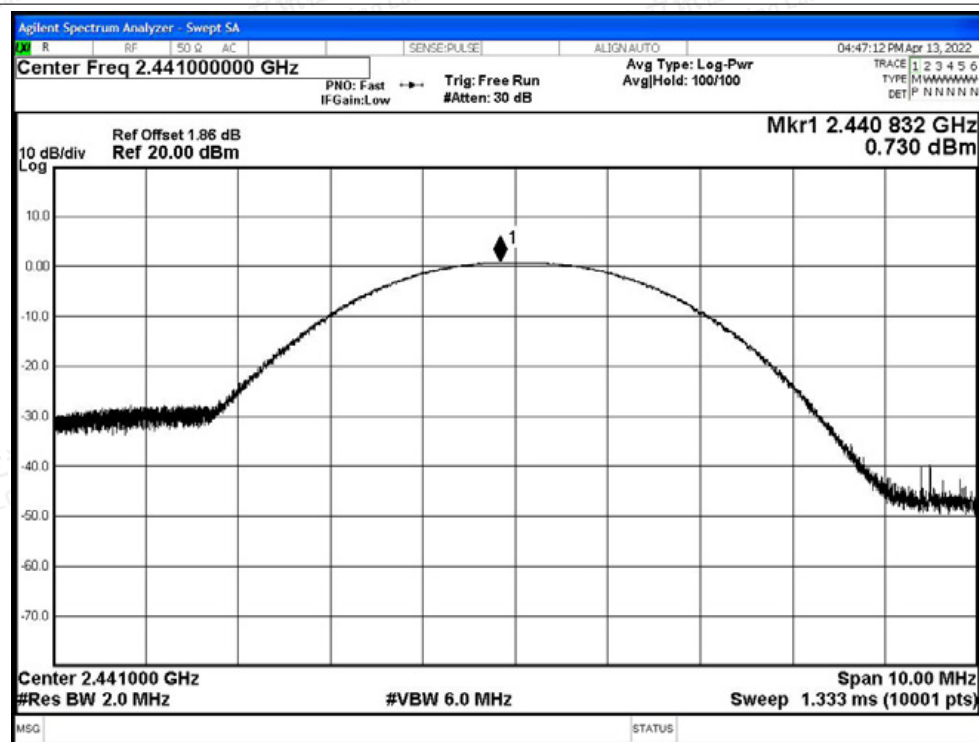


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1



Power NVNT 1-DH5 2441MHz Ant1



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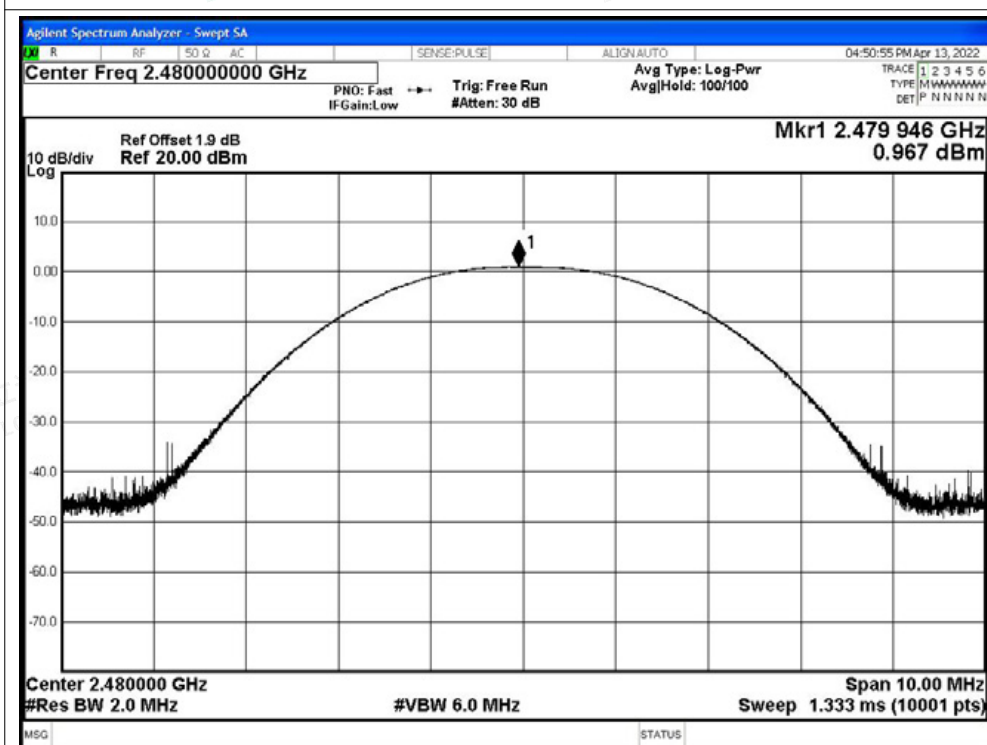
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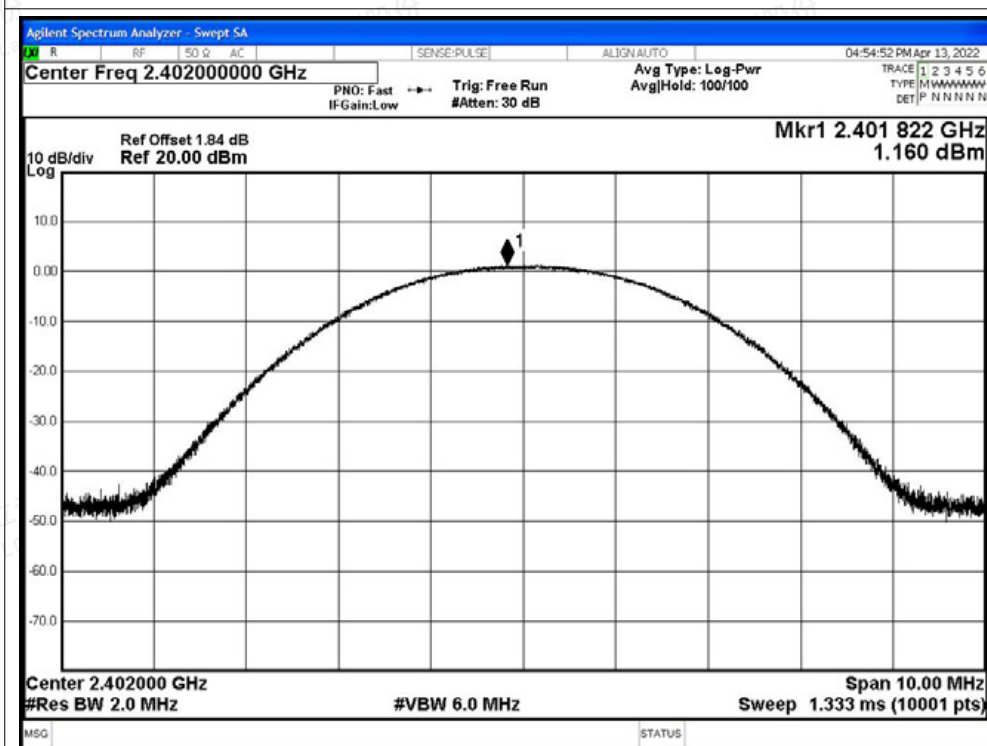
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Power NVNT 1-DH5 2480MHz Ant1



Power NVNT 2-DH5 2402MHz Ant1



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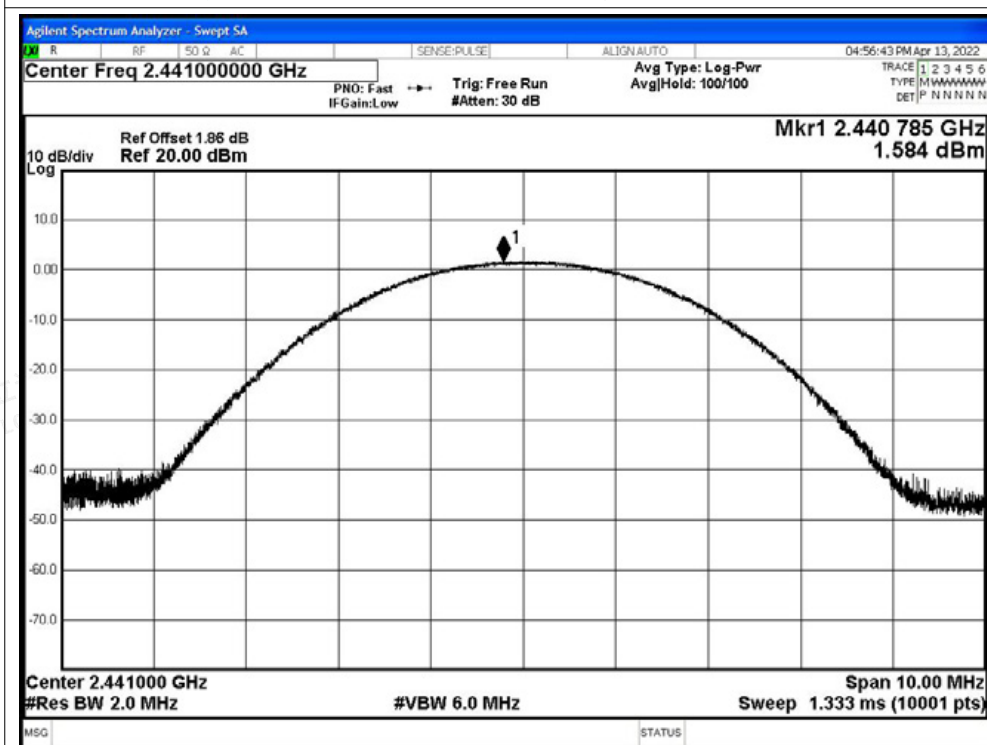
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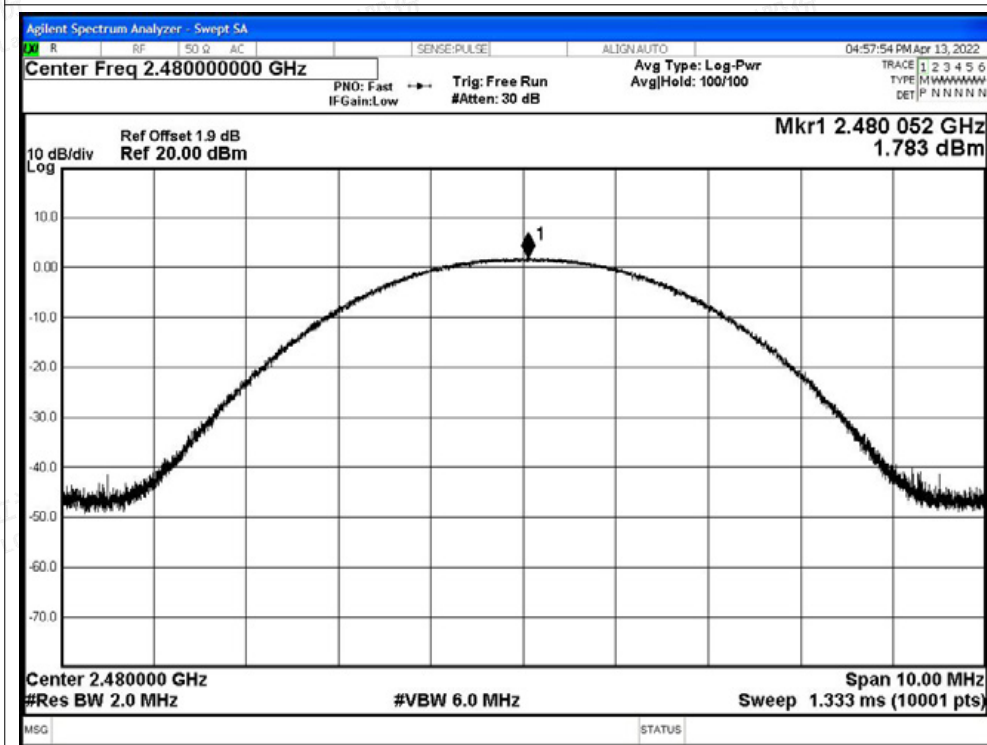
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Power NVNT 2-DH5 2441MHz Ant1



Power NVNT 2-DH5 2480MHz Ant1



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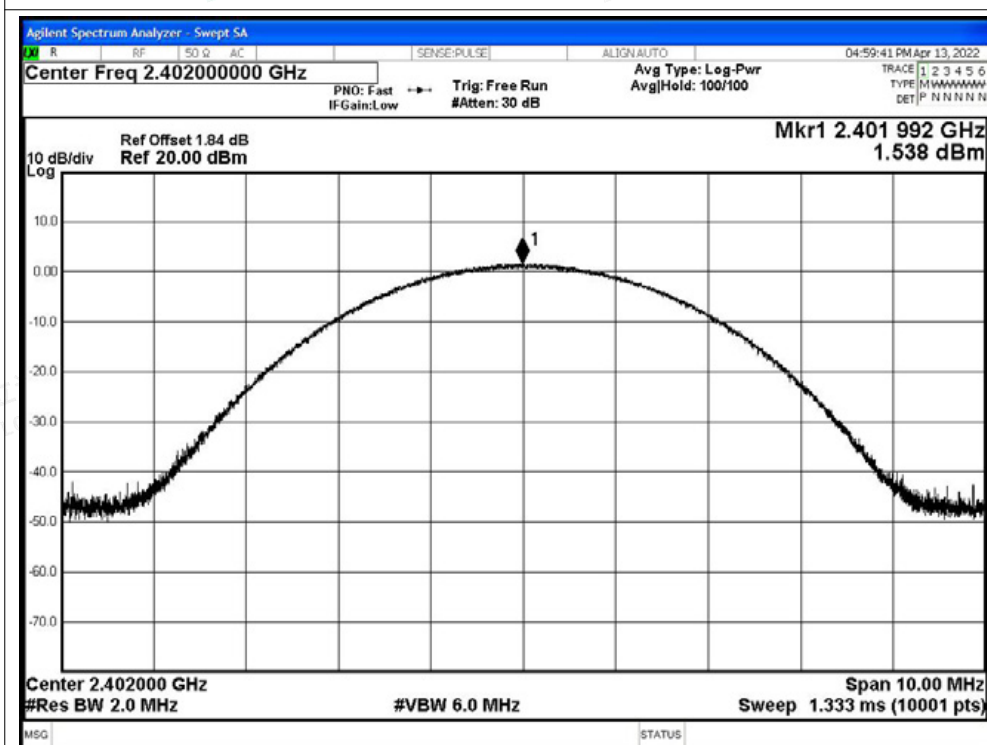
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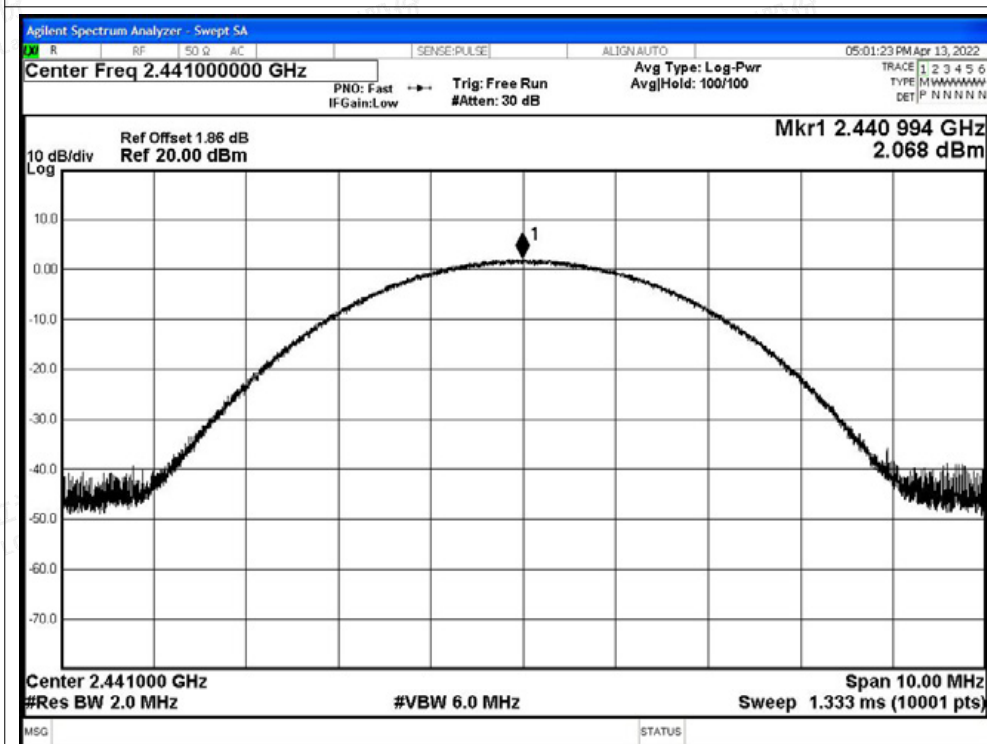
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Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1

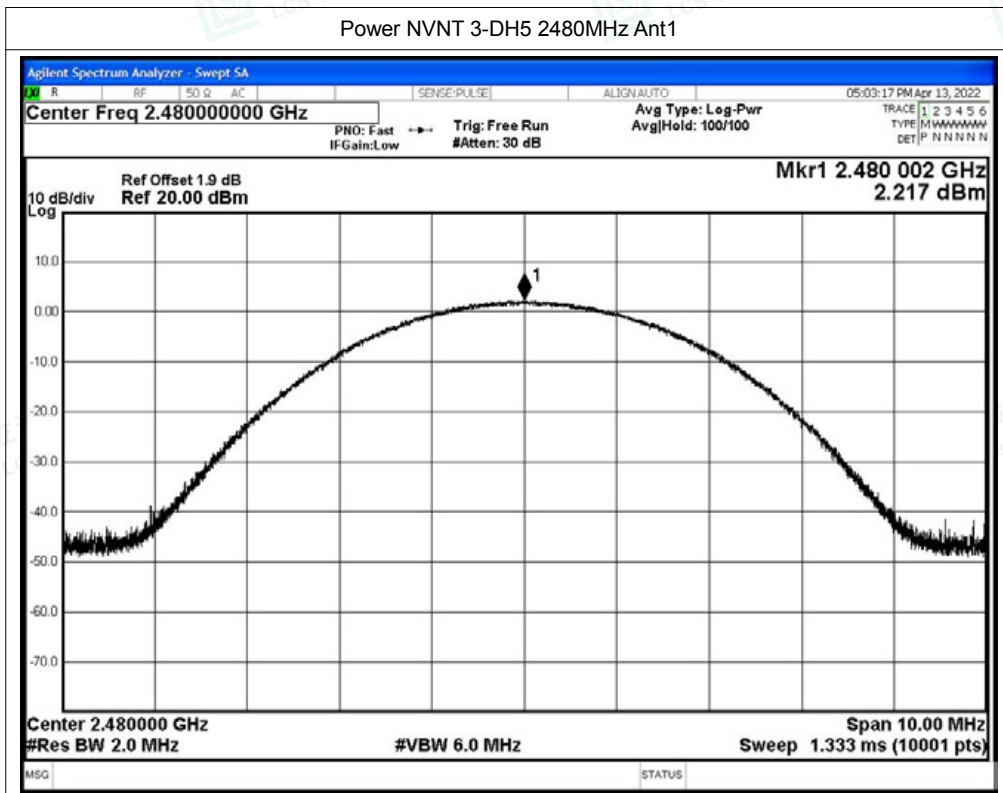


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A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.996	2402.994	0.998	0.665	Pass
NVNT	1-DH5	Ant1	2440.998	2442.018	1.02	0.676	Pass
NVNT	1-DH5	Ant1	2479.038	2479.99	0.952	0.68	Pass
NVNT	2-DH5	Ant1	2402.028	2403.186	1.158	0.85	Pass
NVNT	2-DH5	Ant1	2441.014	2442.192	1.178	0.882	Pass
NVNT	2-DH5	Ant1	2479.17	2480.192	1.022	0.879	Pass
NVNT	3-DH5	Ant1	2401.868	2402.864	0.996	0.862	Pass
NVNT	3-DH5	Ant1	2440.862	2442.016	1.154	0.865	Pass
NVNT	3-DH5	Ant1	2478.856	2480.012	1.156	0.871	Pass



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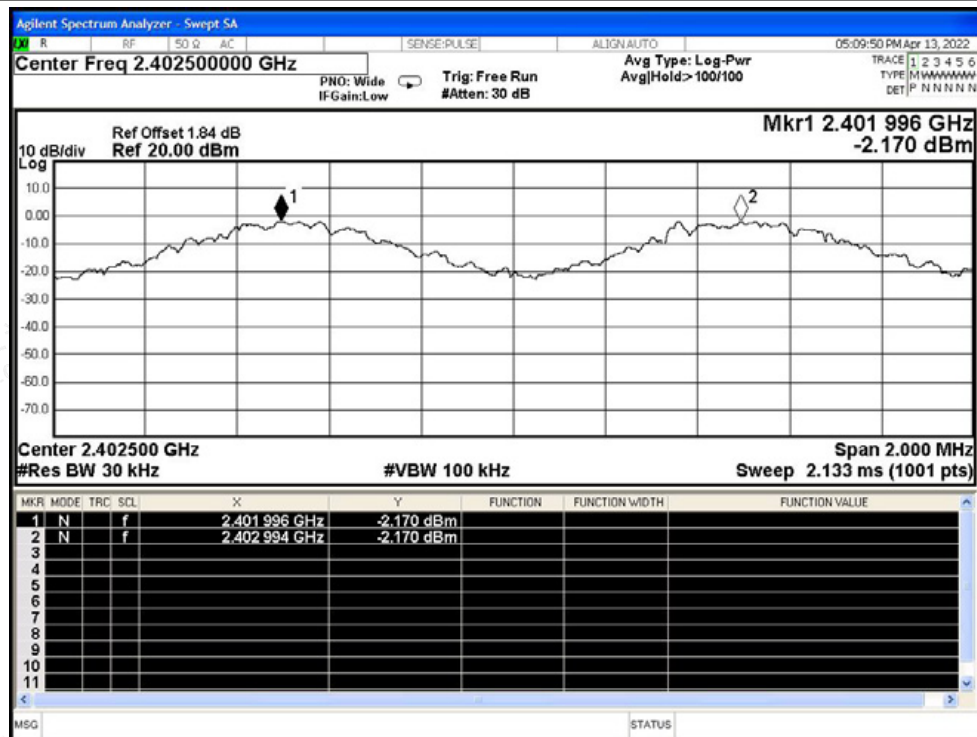
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Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 1-DH5 2441MHz Ant1



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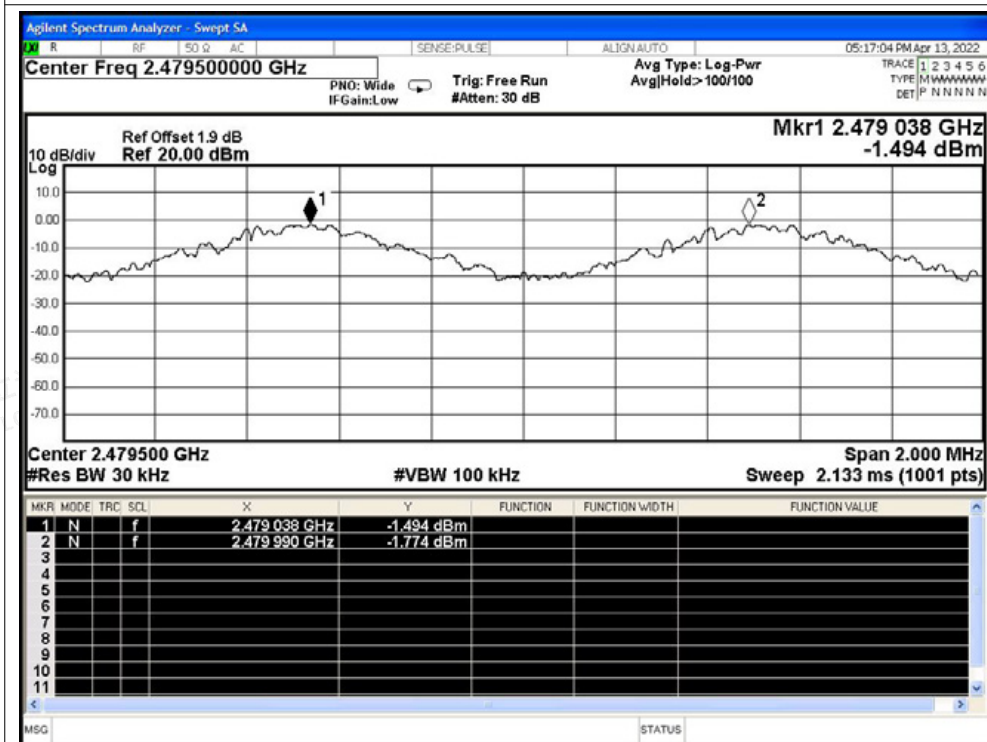
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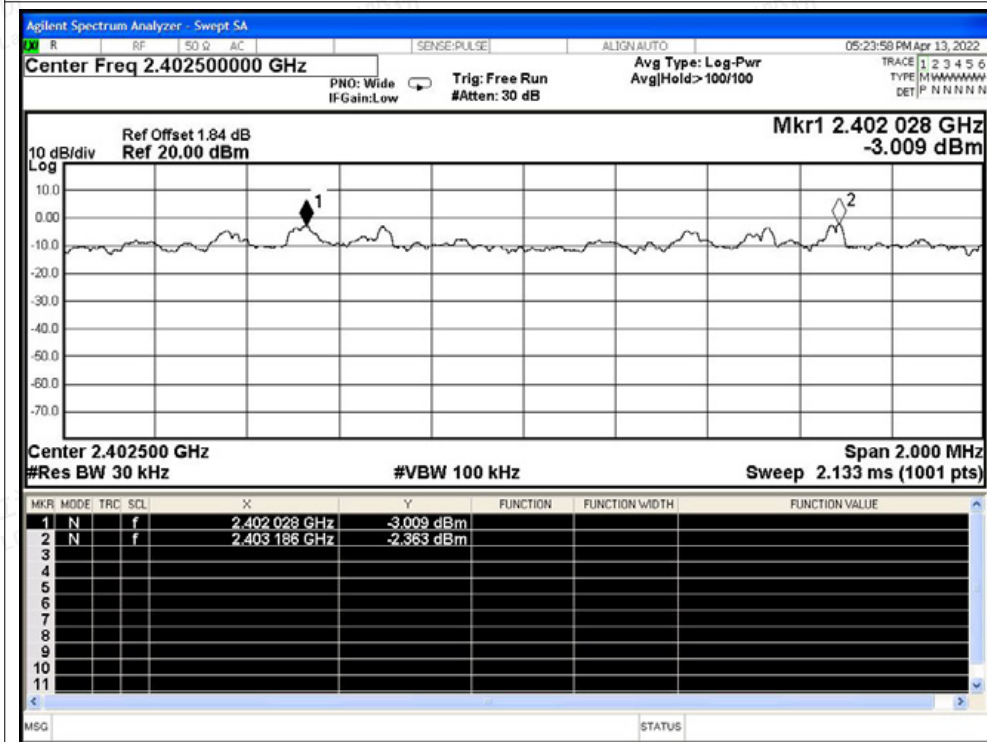
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CFS NVNT 1-DH5 2480MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1



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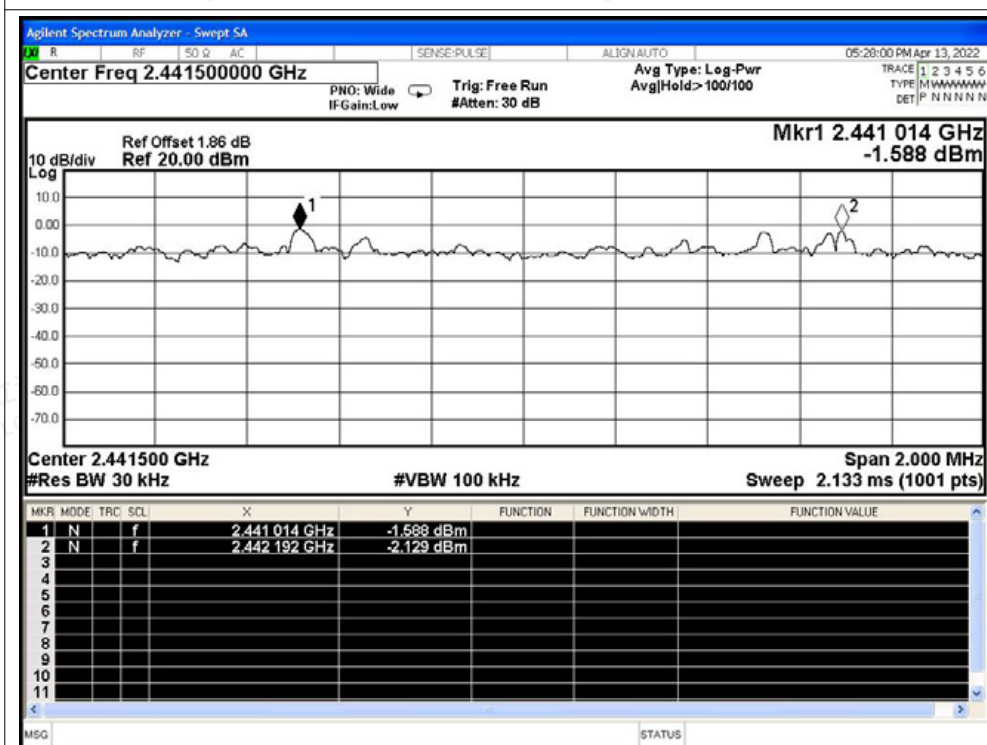
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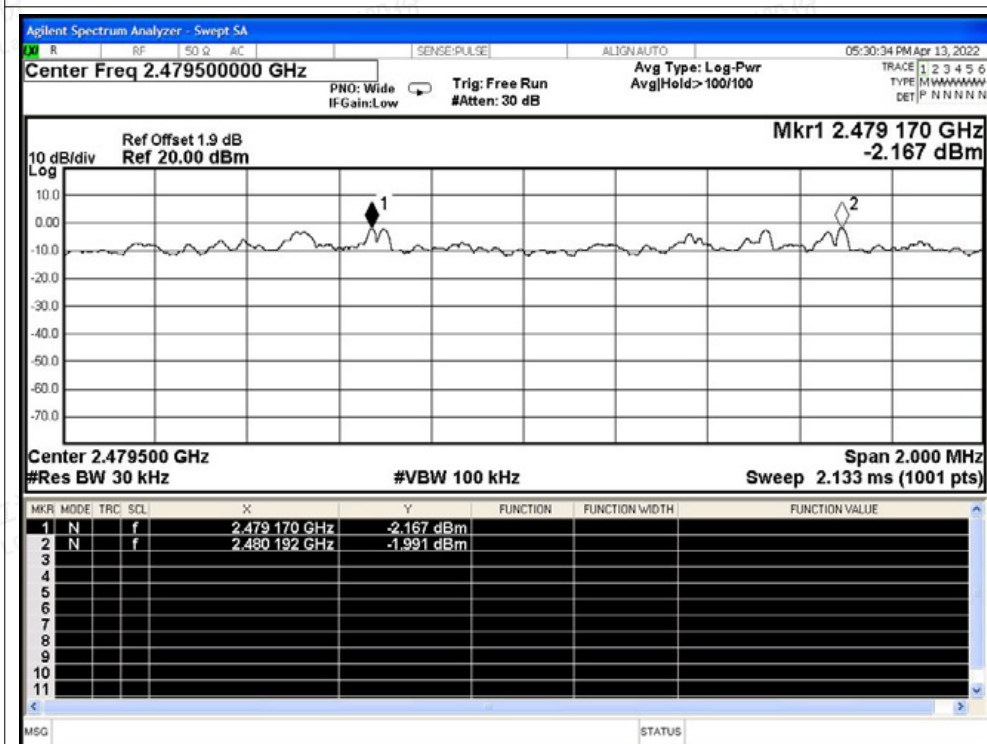
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CFS NVNT 2-DH5 2441MHz Ant1



CFS NVNT 2-DH5 2480MHz Ant1



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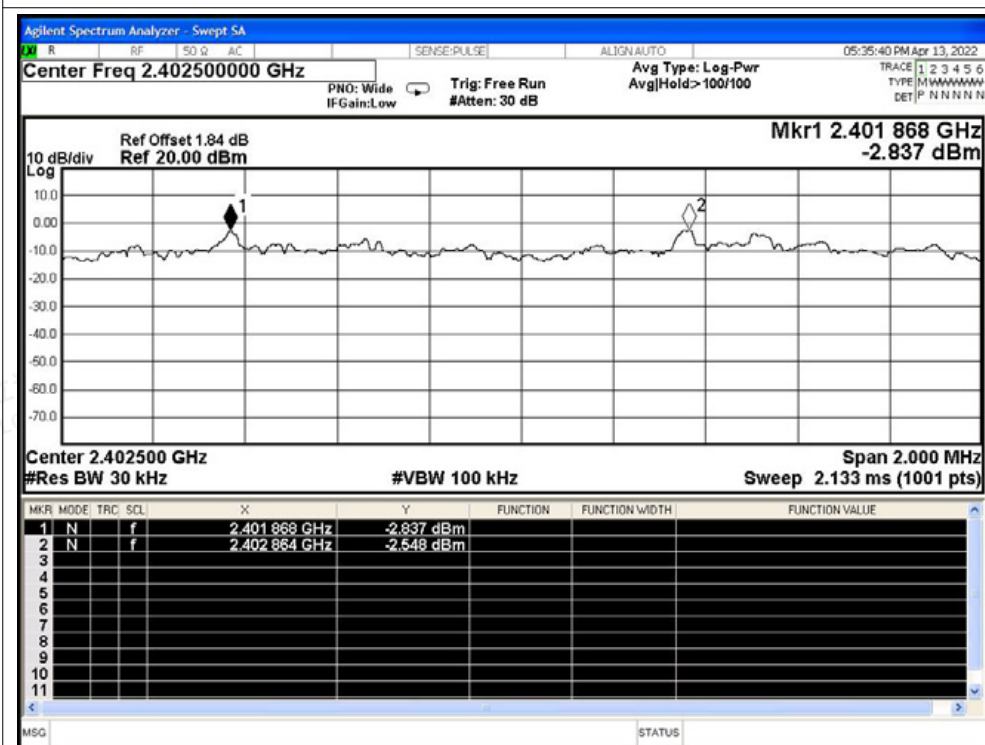
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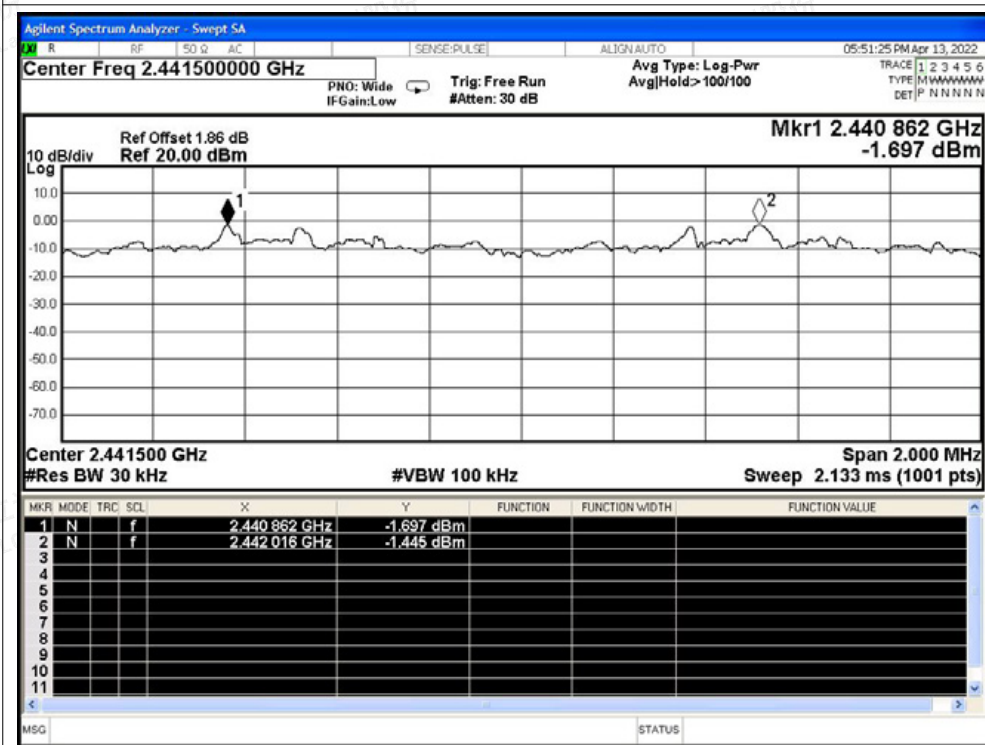
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CFS NVNT 3-DH5 2402MHz Ant1



CFS NVNT 3-DH5 2441MHz Ant1

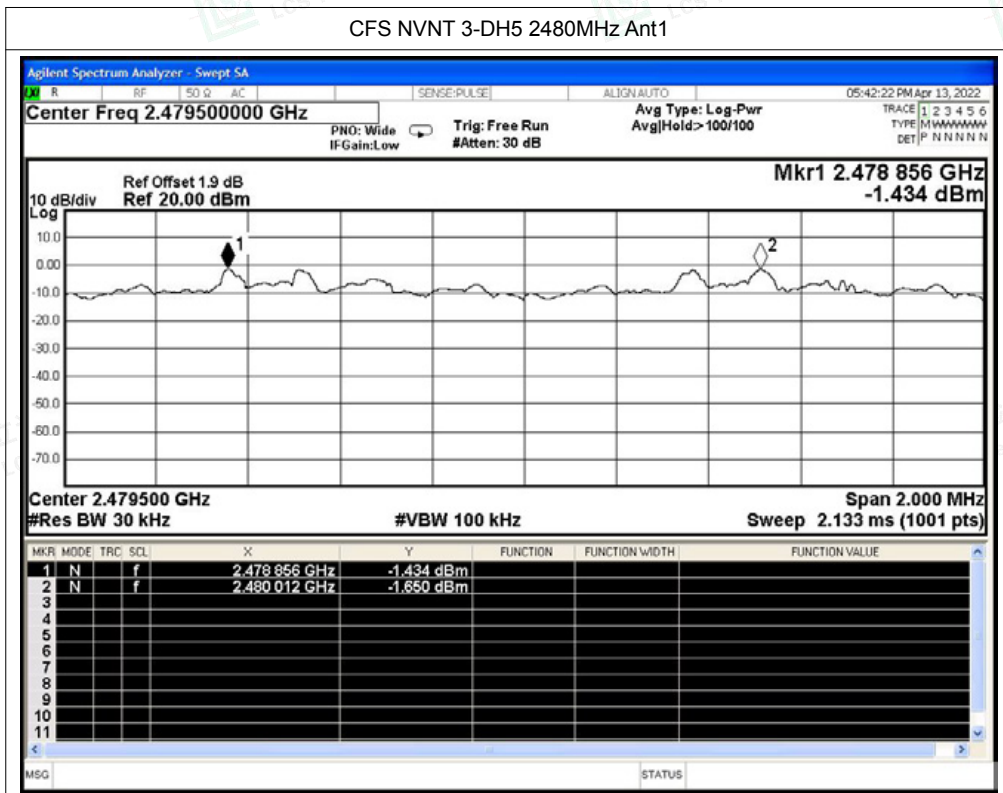


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A.4 Time of occupancy

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	2.881	288.1	100	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.88	308.16	107	31600	400	Pass
NVNT	1-DH5	2480	Ant1	2.88	328.32	114	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.886	320.346	111	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.886	346.32	120	31600	400	Pass
NVNT	2-DH5	2480	Ant1	2.886	317.46	110	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.889	329.346	114	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.888	329.232	114	31600	400	Pass
NVNT	3-DH5	2480	Ant1	2.888	326.344	113	31600	400	Pass



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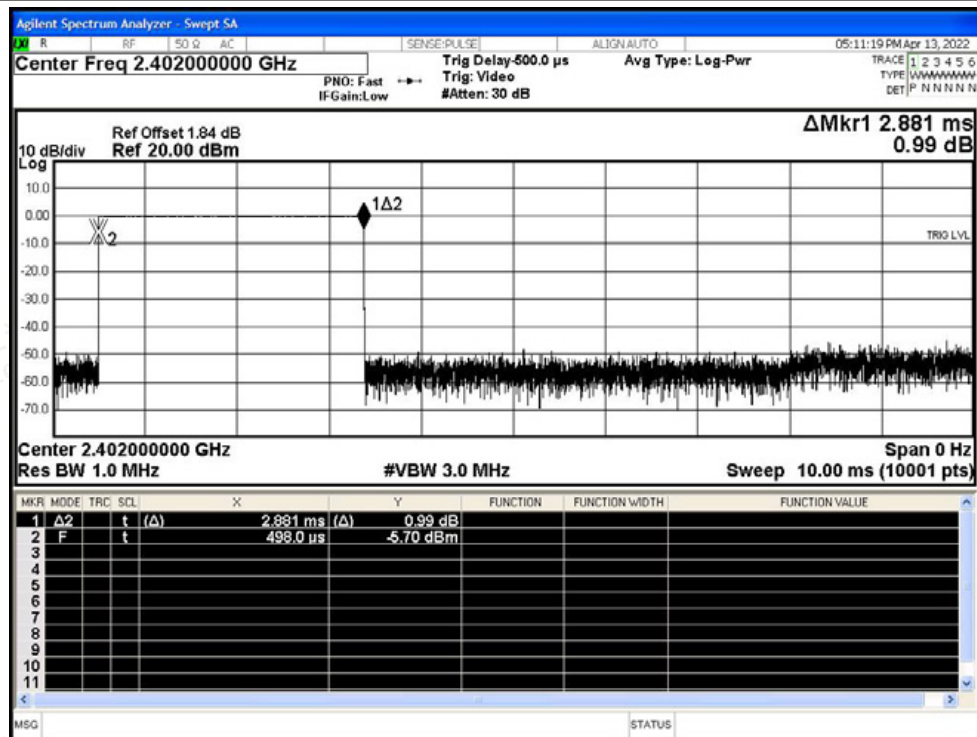
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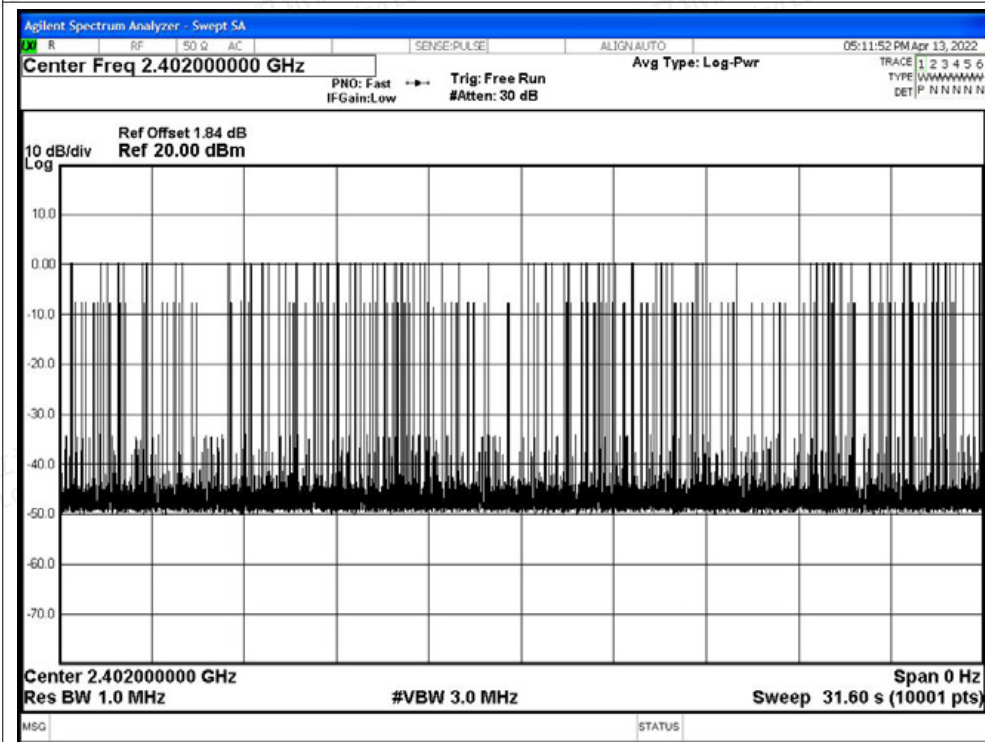


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



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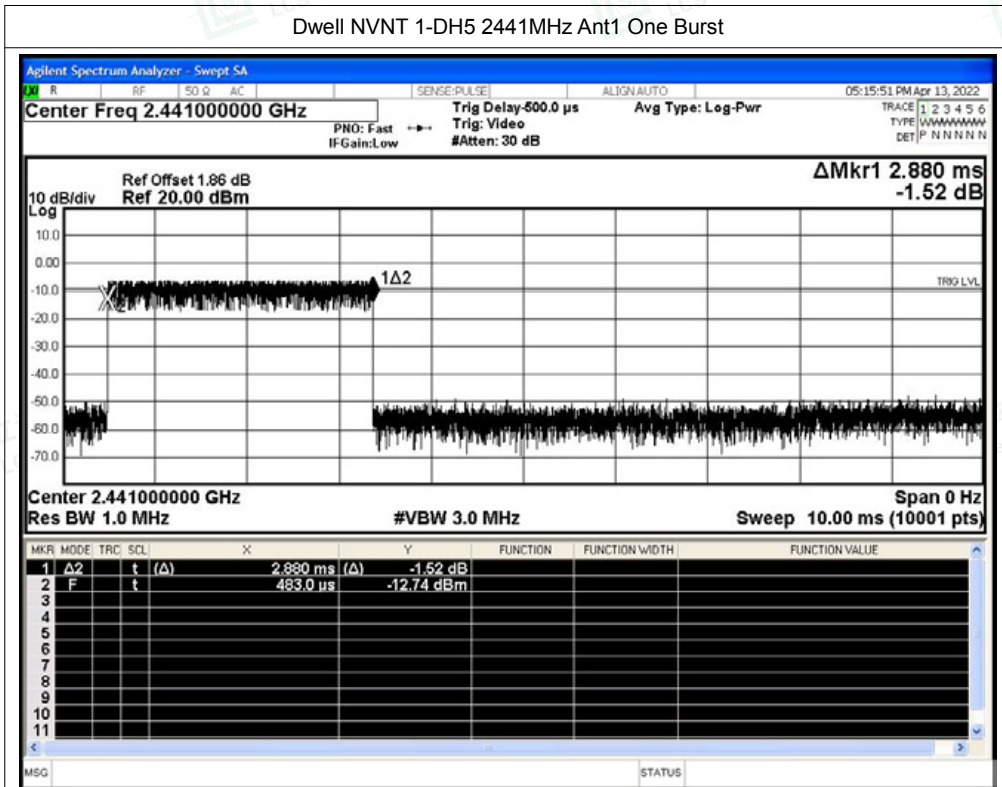
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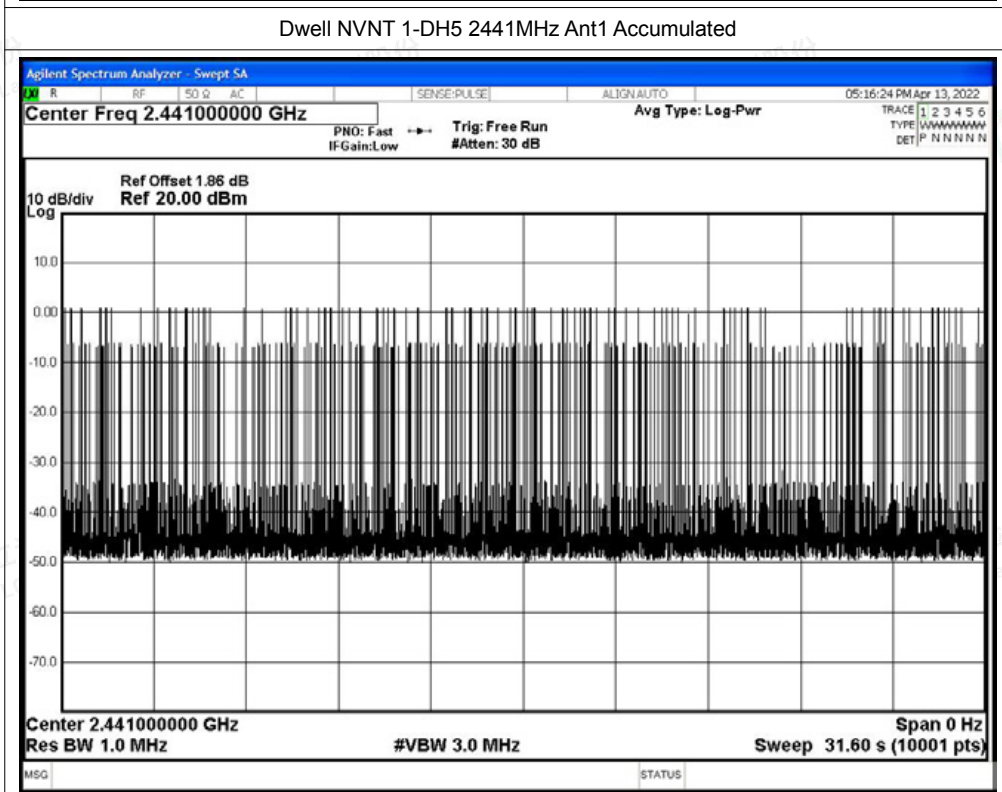
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Dwell NVNT 1-DH5 2441MHz Ant1 One Burst



Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



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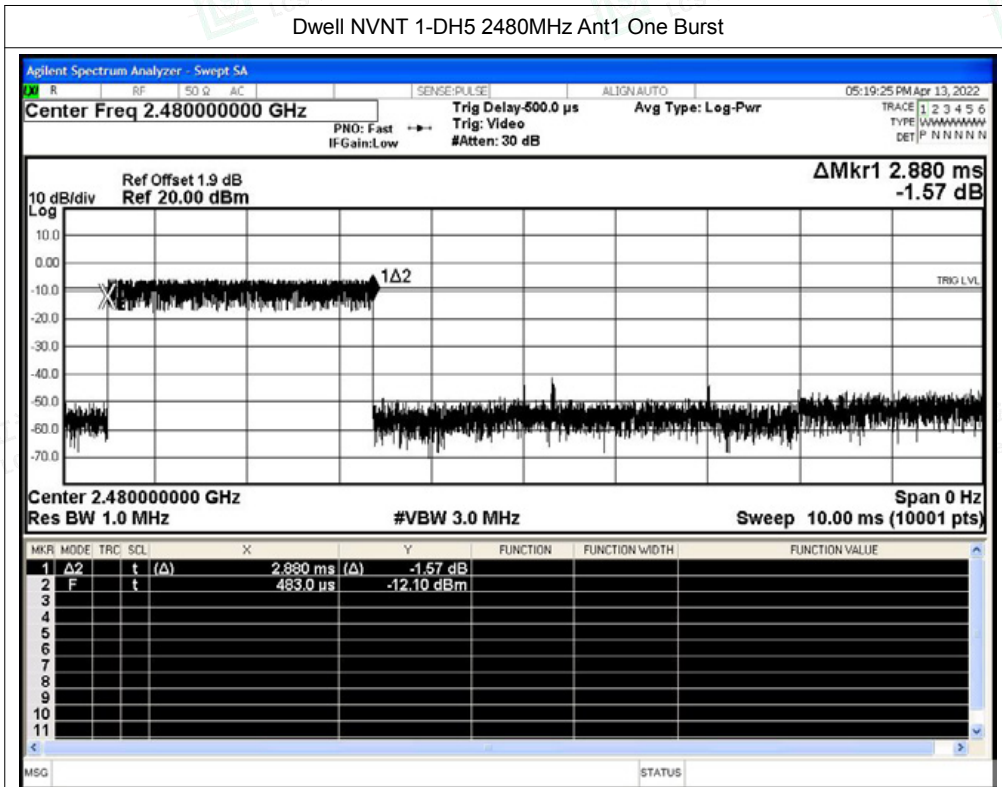
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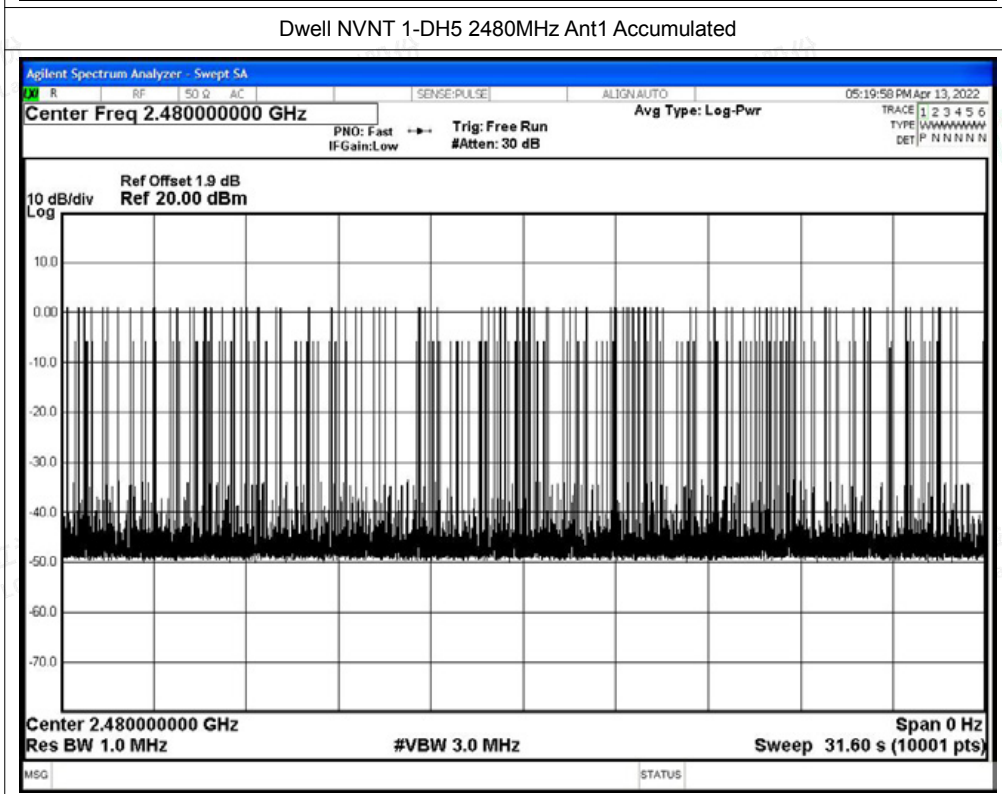
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Dwell NVNT 1-DH5 2480MHz Ant1 One Burst



Dwell NVNT 1-DH5 2480MHz Ant1 Accumulated



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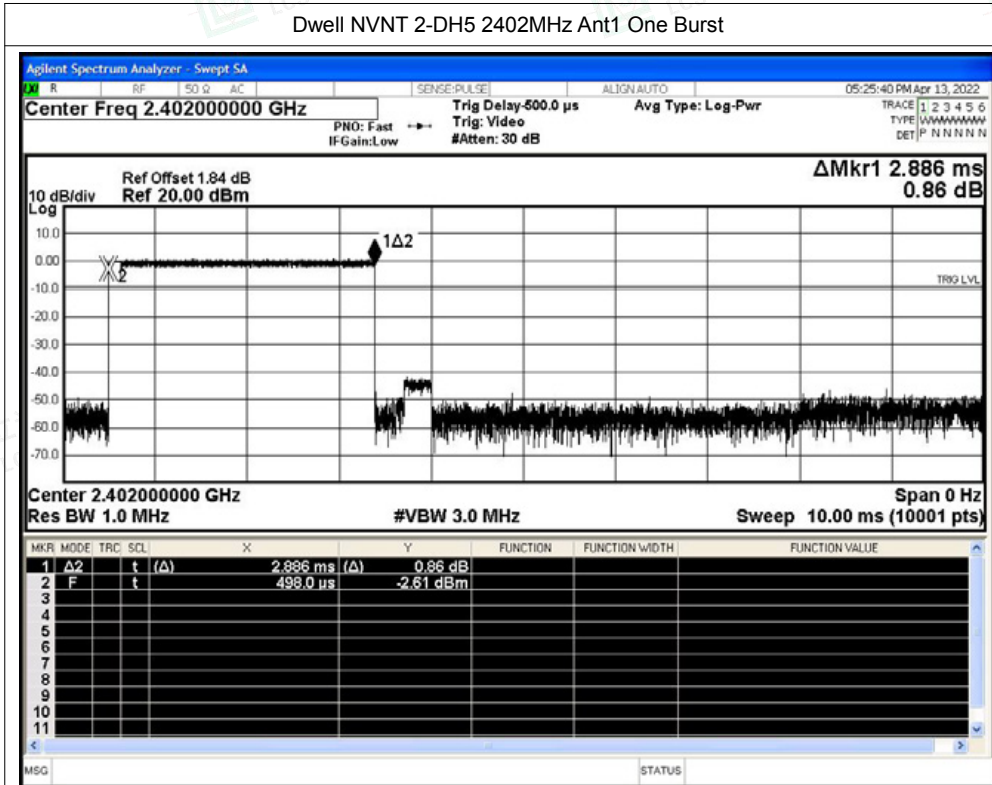
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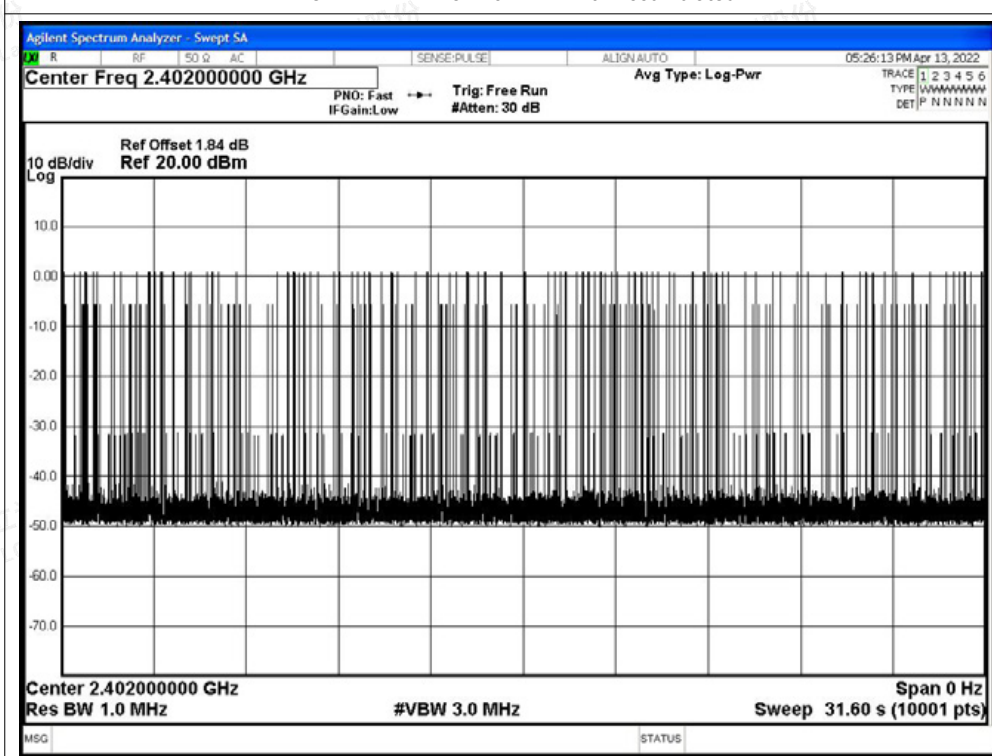
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Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



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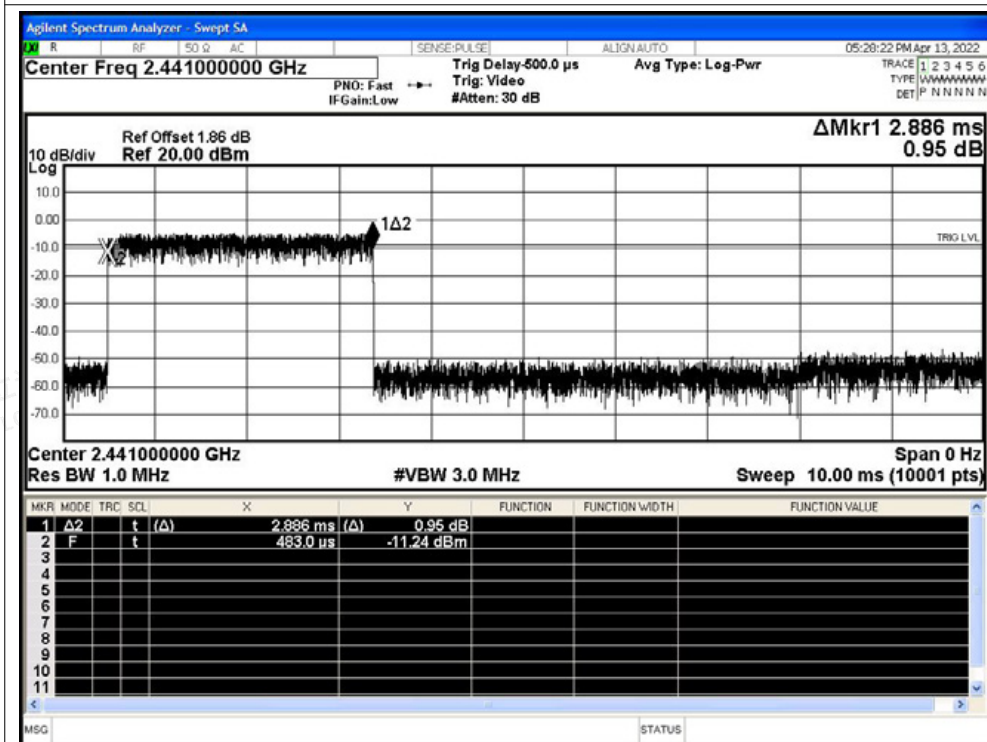
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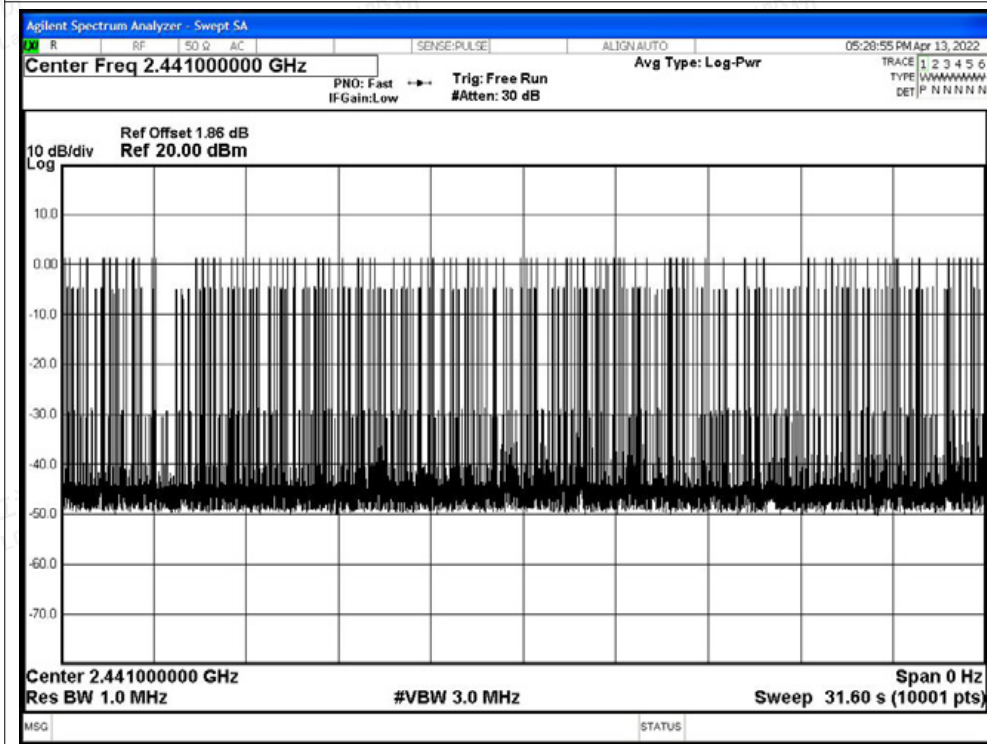
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Dwell NVNT 2-DH5 2441MHz Ant1 One Burst



Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated



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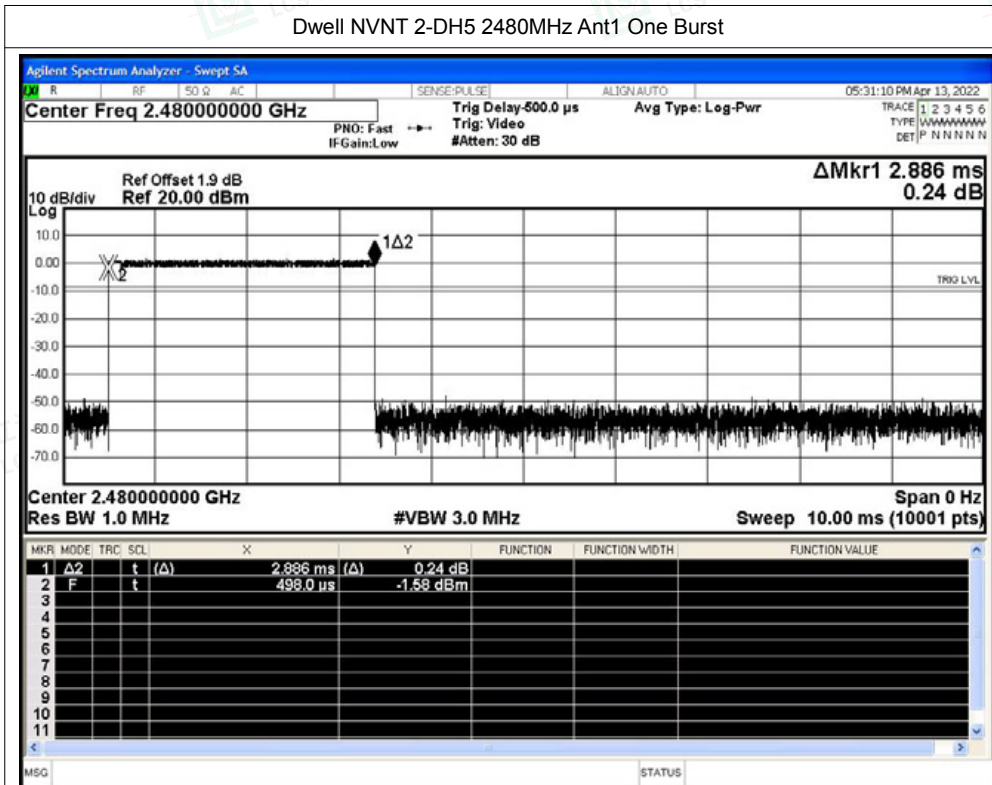
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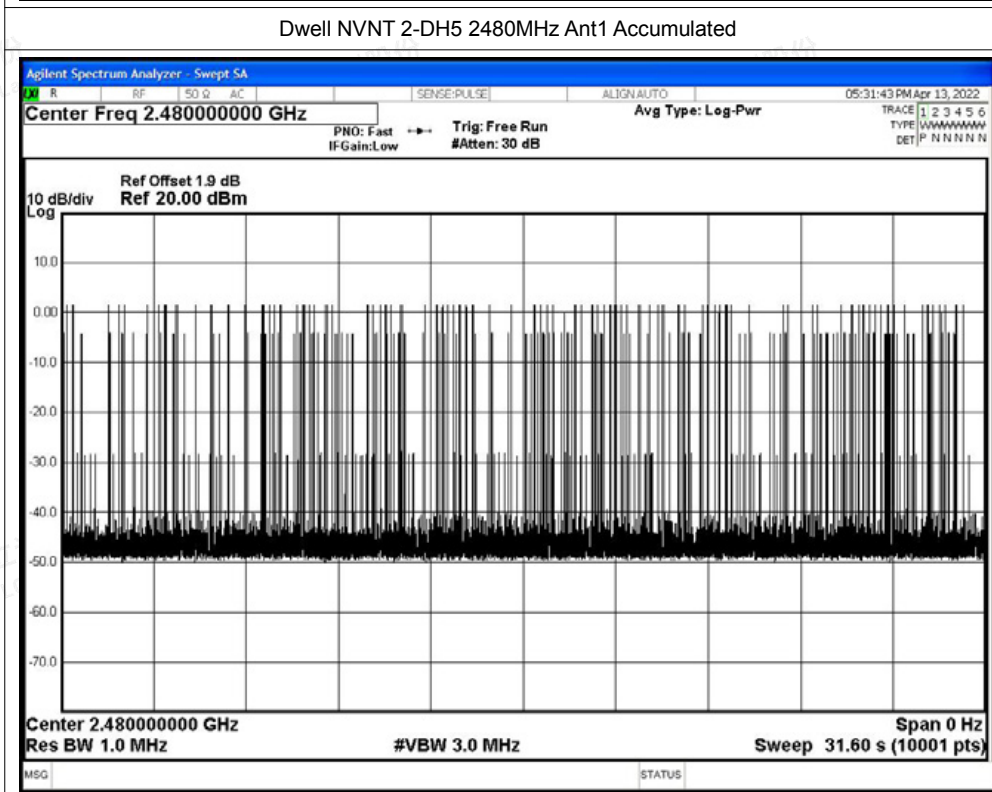
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Dwell NVNT 2-DH5 2480MHz Ant1 One Burst



Dwell NVNT 2-DH5 2480MHz Ant1 Accumulated



Shenzhen LCS Compliance Testing Laboratory Ltd.

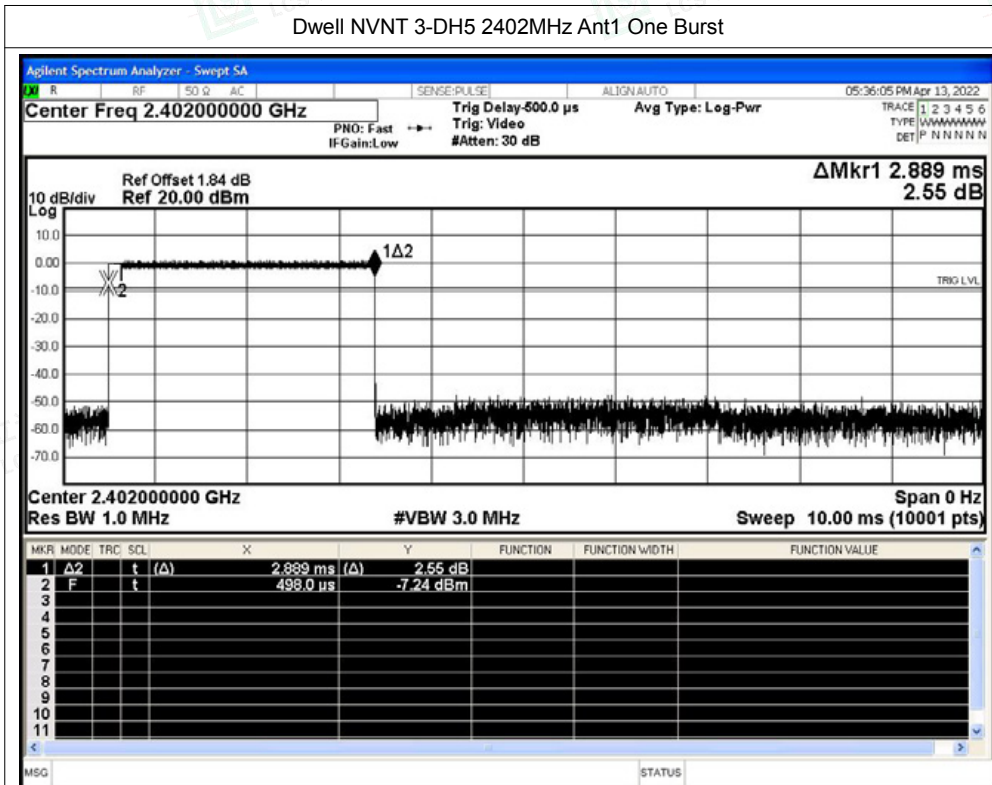
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

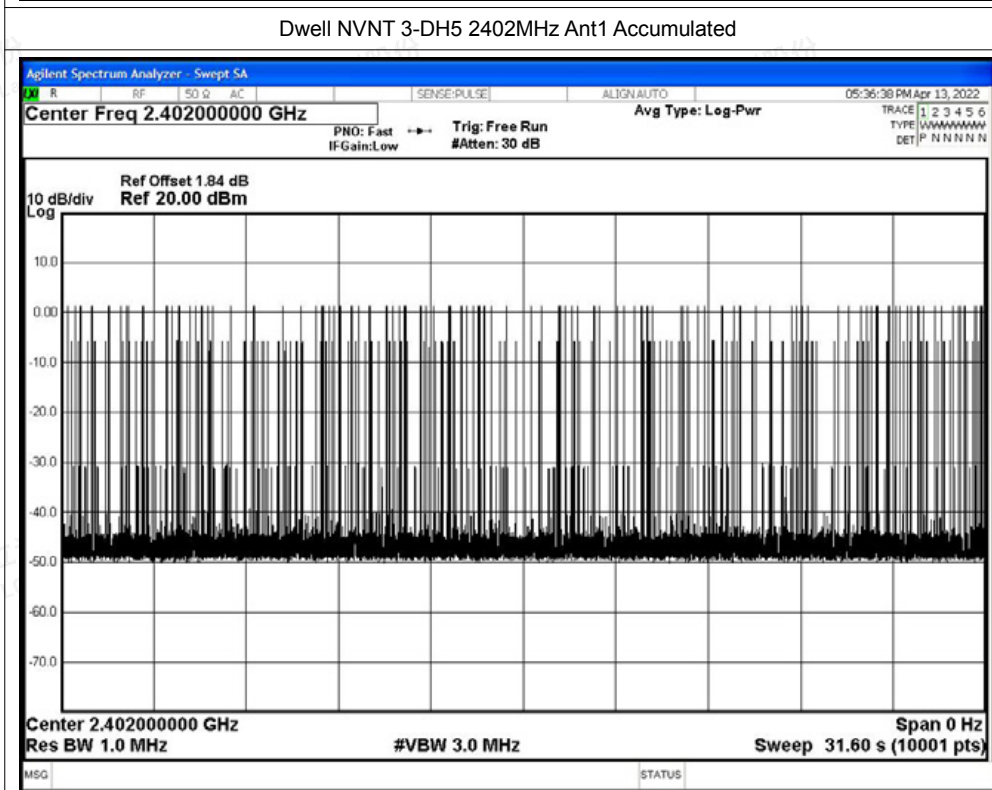
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Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated



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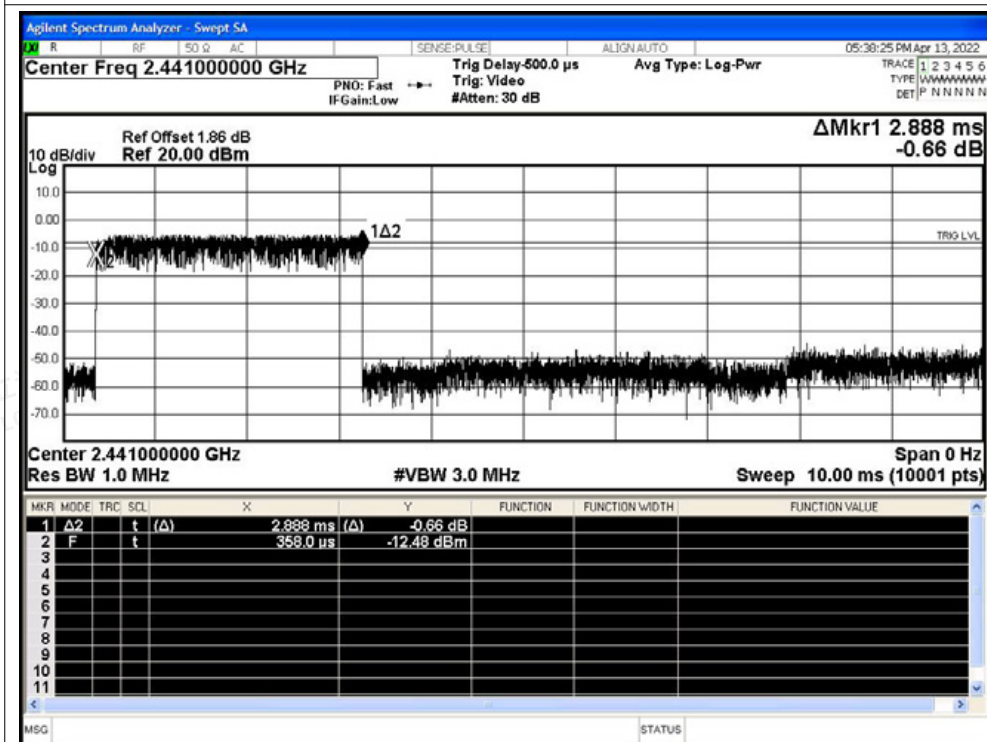
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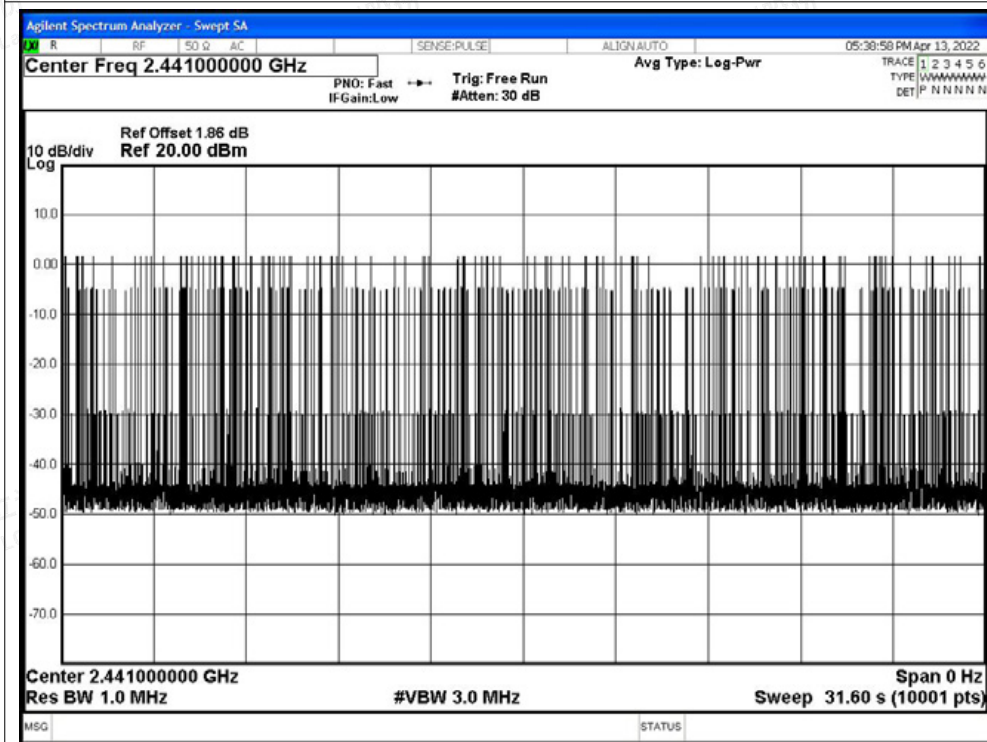
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Dwell NVNT 3-DH5 2441MHz Ant1 One Burst



Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated



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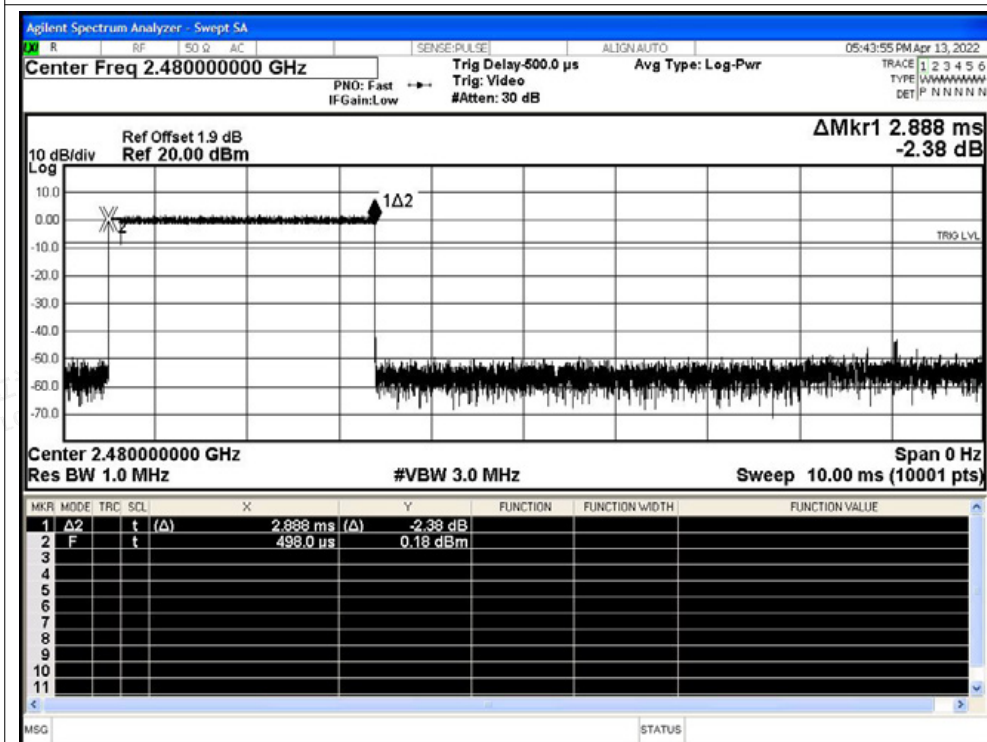
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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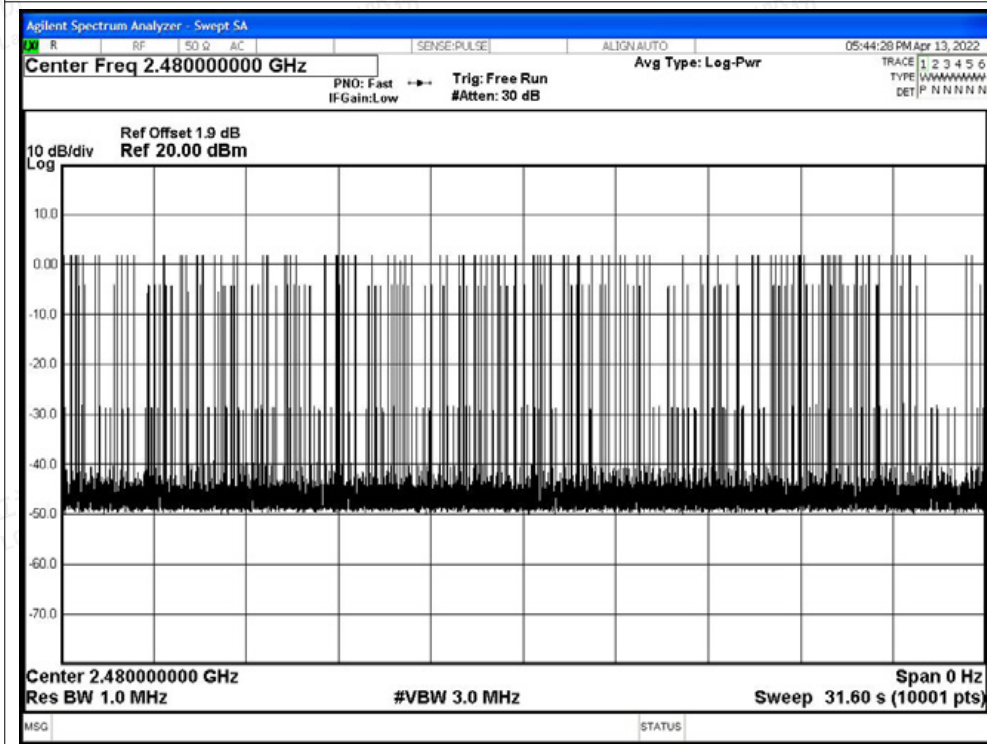
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Dwell NVNT 3-DH5 2480MHz Ant1 One Burst



Dwell NVNT 3-DH5 2480MHz Ant1 Accumulated



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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

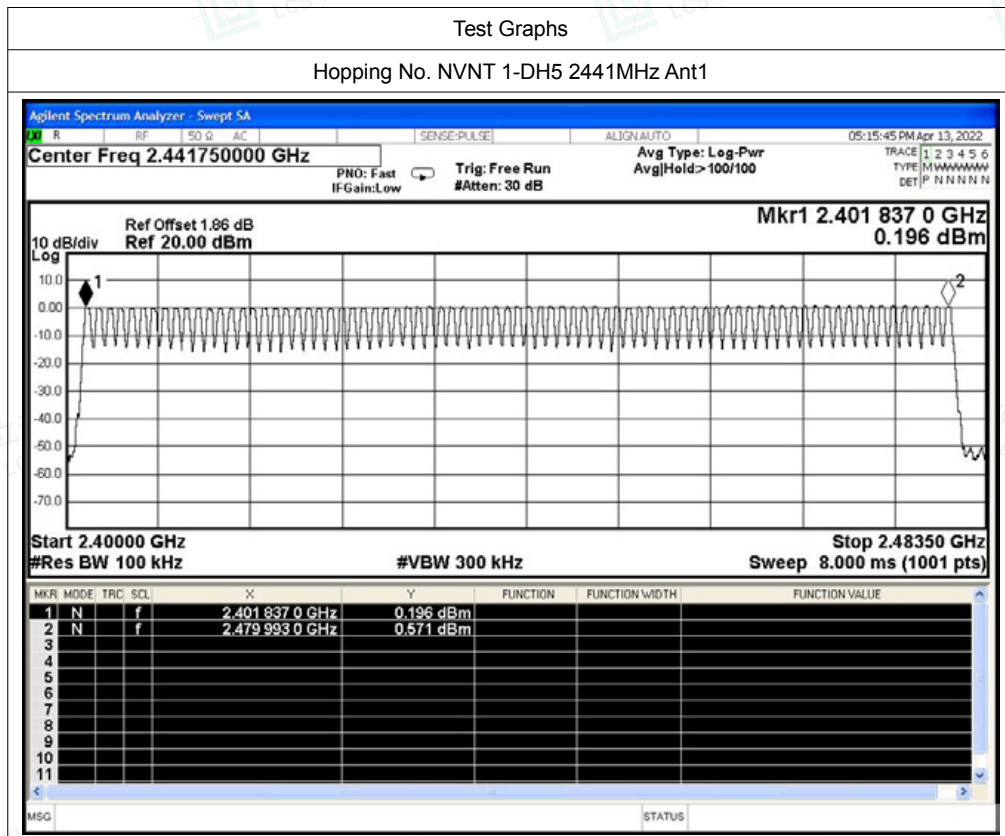


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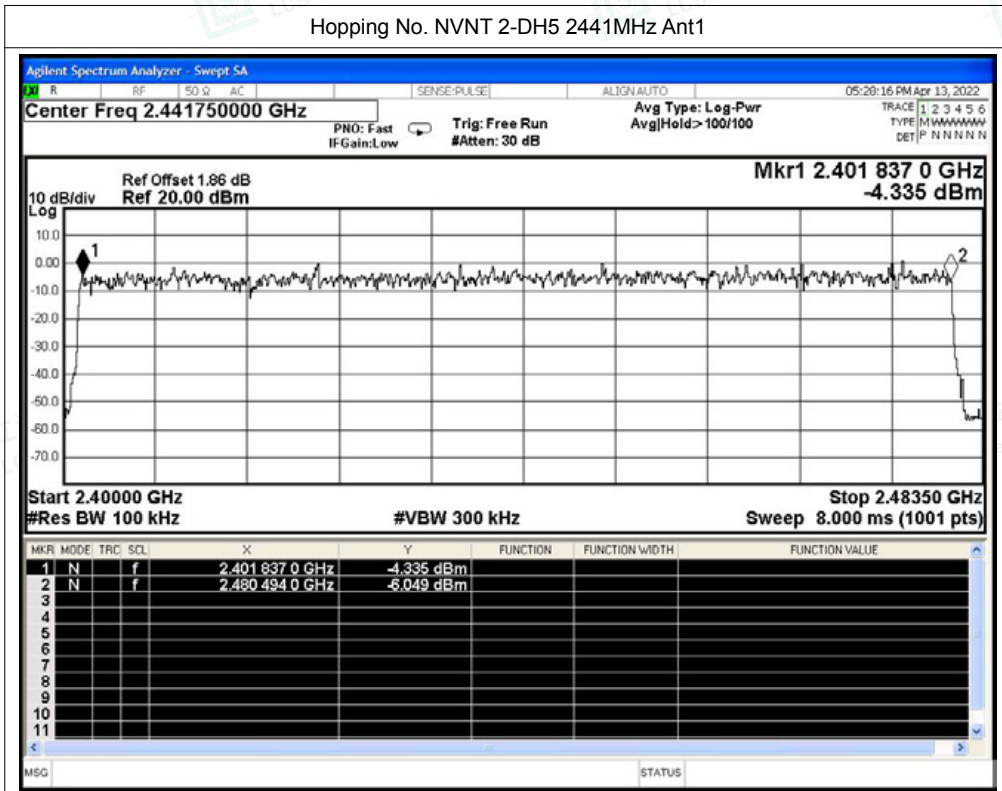
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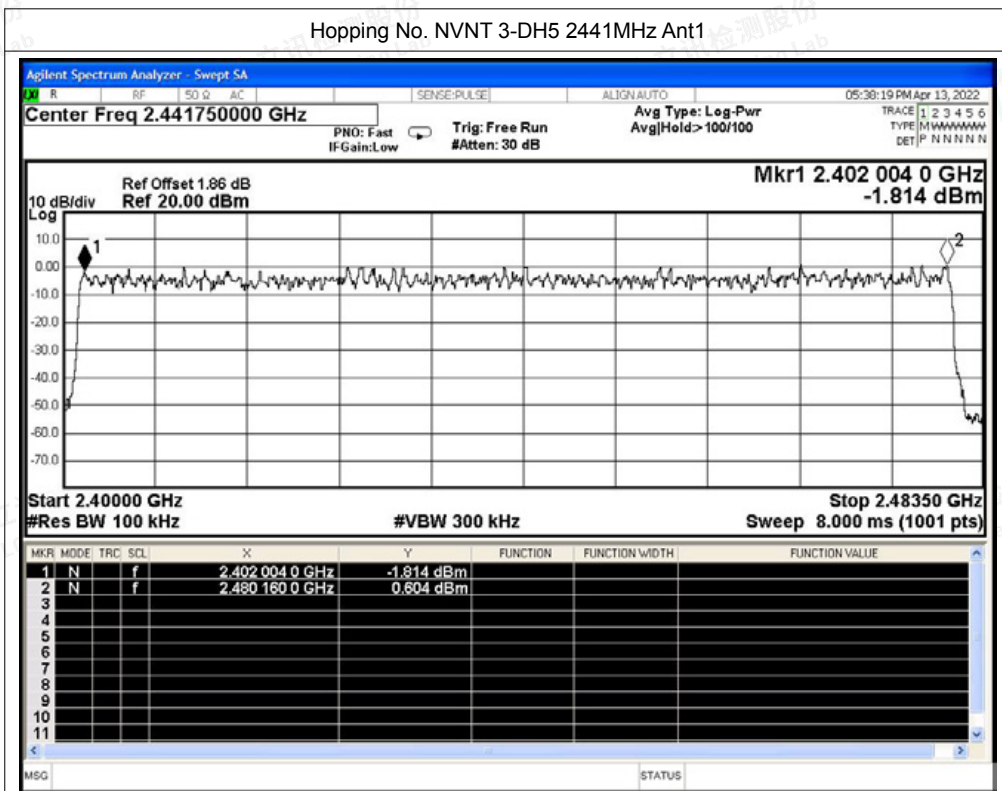
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Hopping No. NVNT 2-DH5 2441MHz Ant1



Hopping No. NVNT 3-DH5 2441MHz Ant1



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A.6 Band edge measurements

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-51.63	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-53.85	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-49.3	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-54.32	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-53.62	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-53.84	-20	Pass



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