



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Foil Christmas Tree with White/Multicolor LEDs and Speaker

Test Model: LTJ133L-CC

Environmental Conditions

Temperature:	23.5 ° C
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	1.022	0	Pass
NVNT	1-DH5	2441	Ant1	1.011	0	Pass
NVNT	1-DH5	2480	Ant1	0.962	0	Pass
NVNT	2-DH5	2402	Ant1	1.333	0	Pass
NVNT	2-DH5	2441	Ant1	1.29	0	Pass
NVNT	2-DH5	2480	Ant1	1.274	0	Pass
NVNT	3-DH5	2402	Ant1	1.276	0	Pass
NVNT	3-DH5	2441	Ant1	1.279	0	Pass
NVNT	3-DH5	2480	Ant1	1.299	0	Pass





Test Graphs

20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



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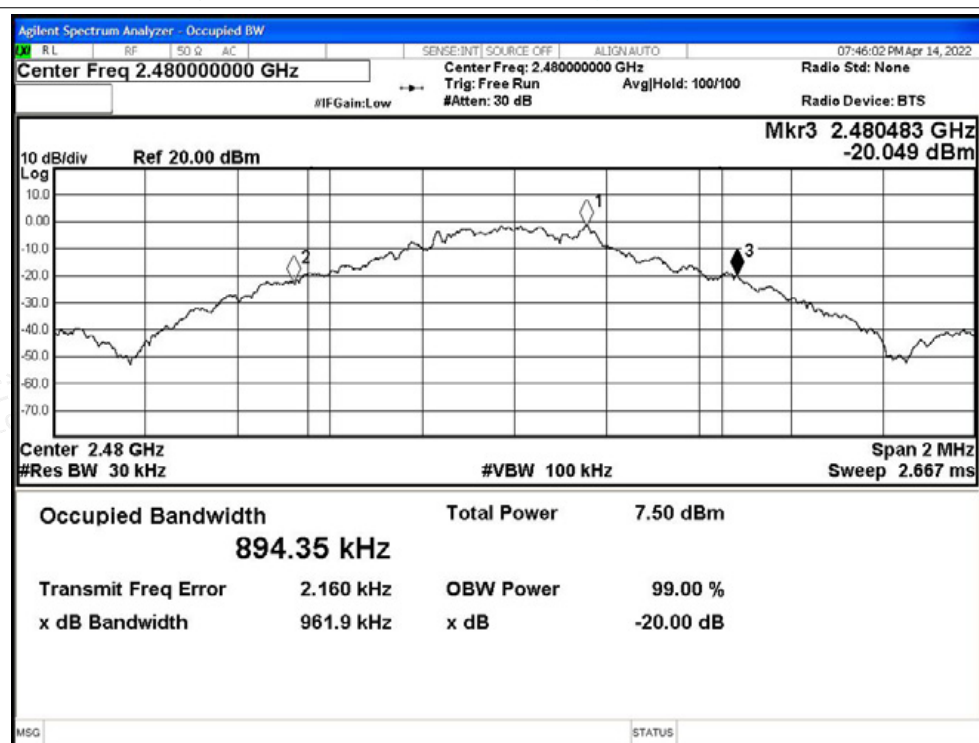
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

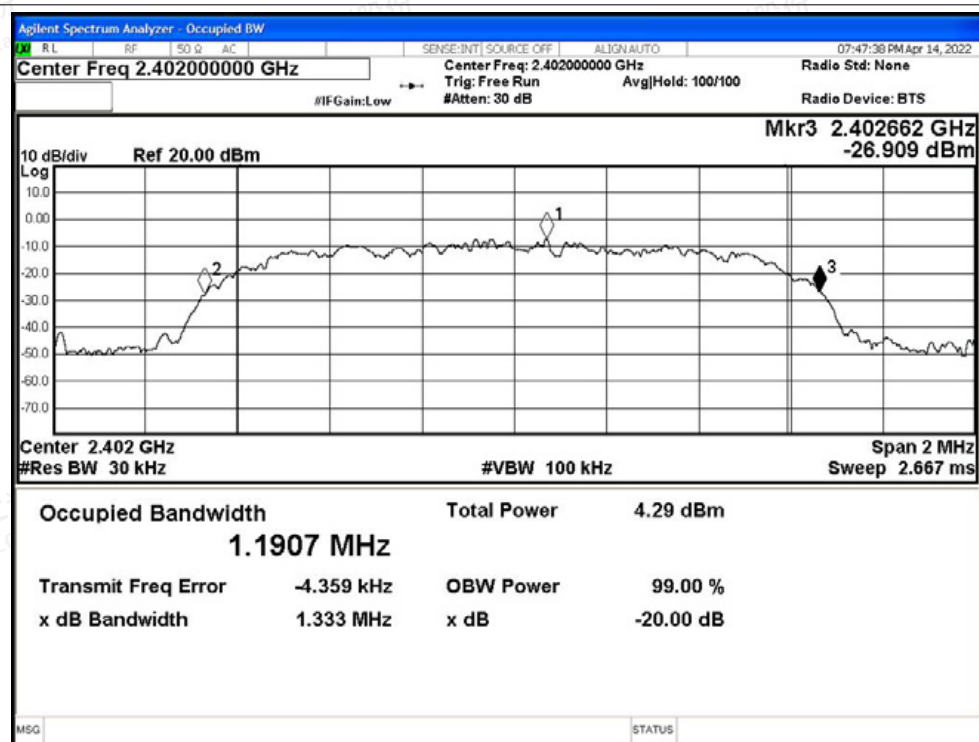
Scan code to check authenticity



20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



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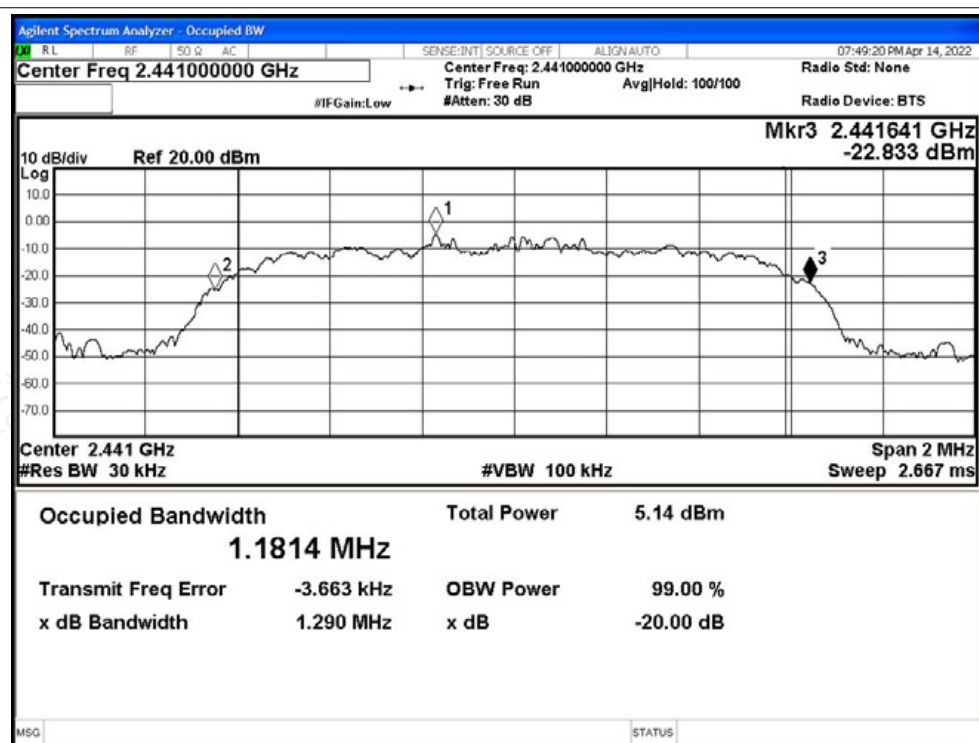
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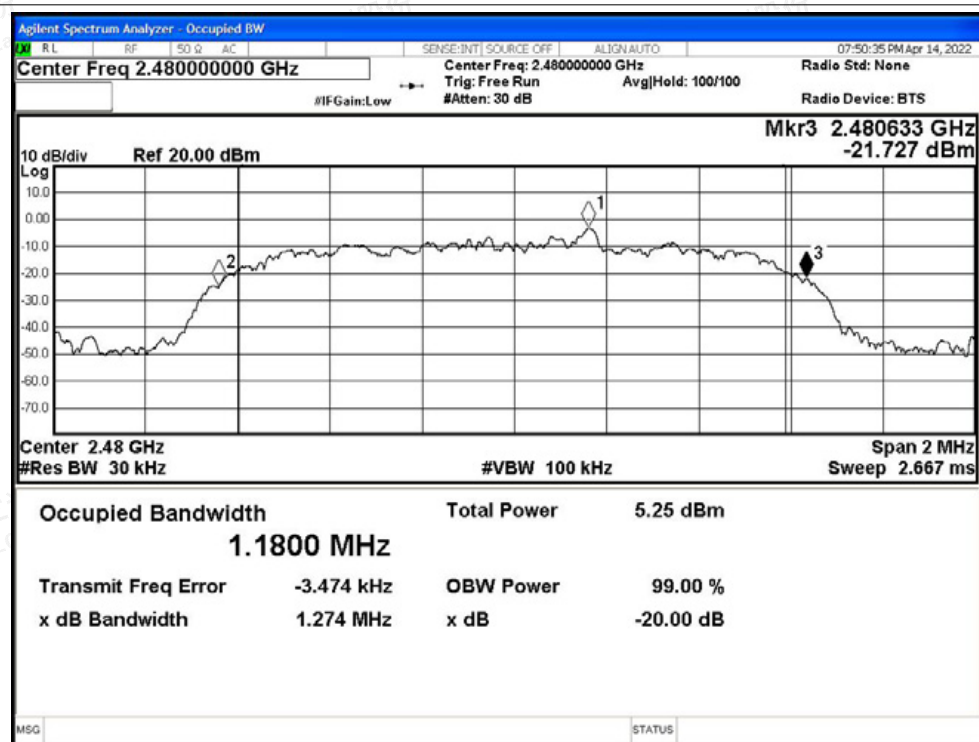
Scan code to check authenticity



20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



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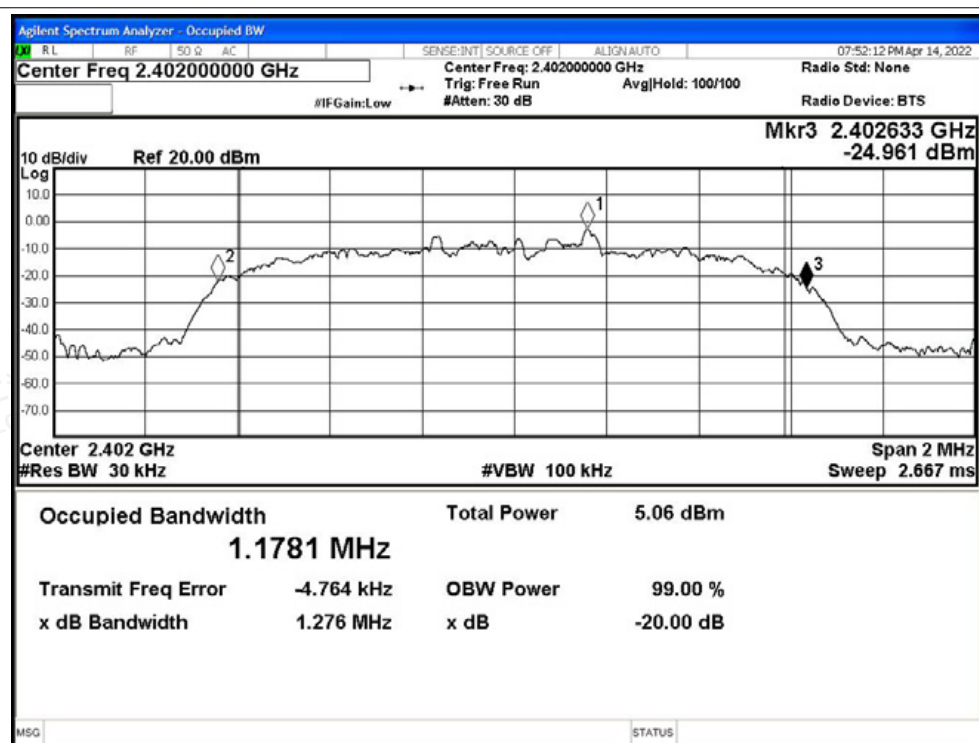
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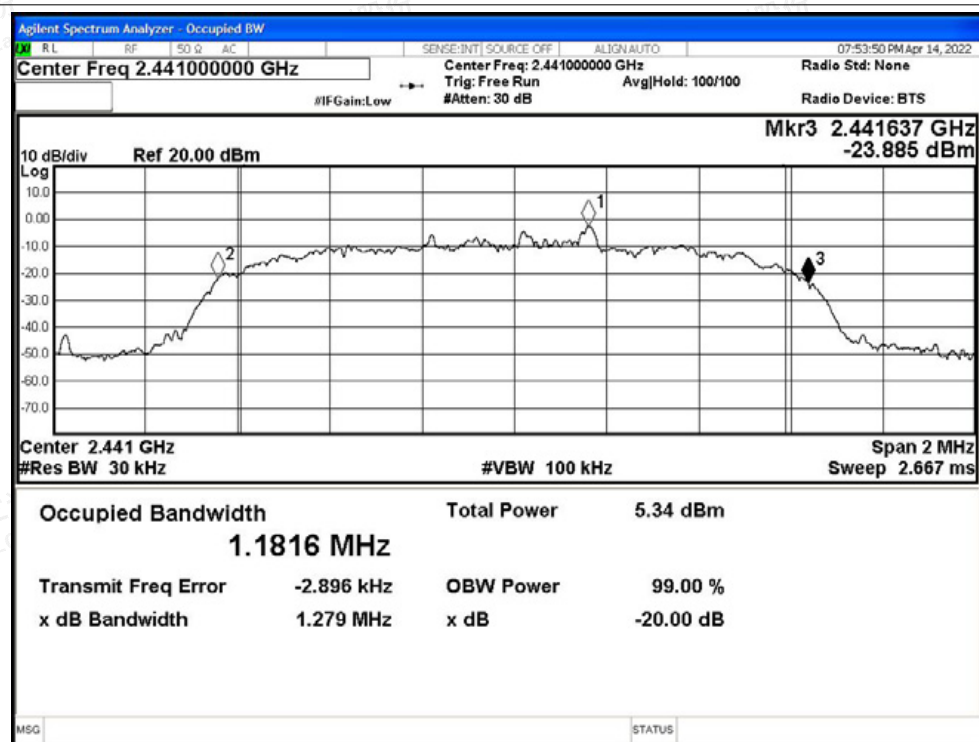
Scan code to check authenticity



20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



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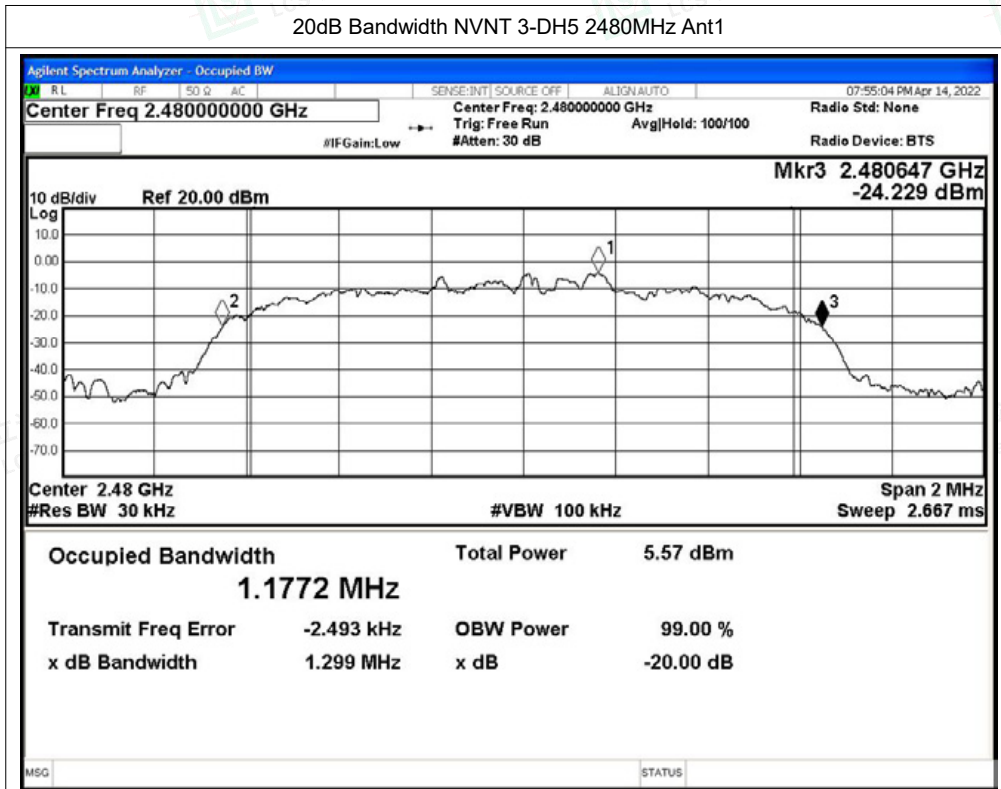
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20dB Bandwidth NVNT 3-DH5 2480MHz Ant1



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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	0.54	21	Pass
NVNT	1-DH5	2441	Ant1	0.9	21	Pass
NVNT	1-DH5	2480	Ant1	0.93	21	Pass
NVNT	2-DH5	2402	Ant1	0.33	21	Pass
NVNT	2-DH5	2441	Ant1	0.72	21	Pass
NVNT	2-DH5	2480	Ant1	0.72	21	Pass
NVNT	3-DH5	2402	Ant1	0.43	21	Pass
NVNT	3-DH5	2441	Ant1	0.83	21	Pass
NVNT	3-DH5	2480	Ant1	0.83	21	Pass



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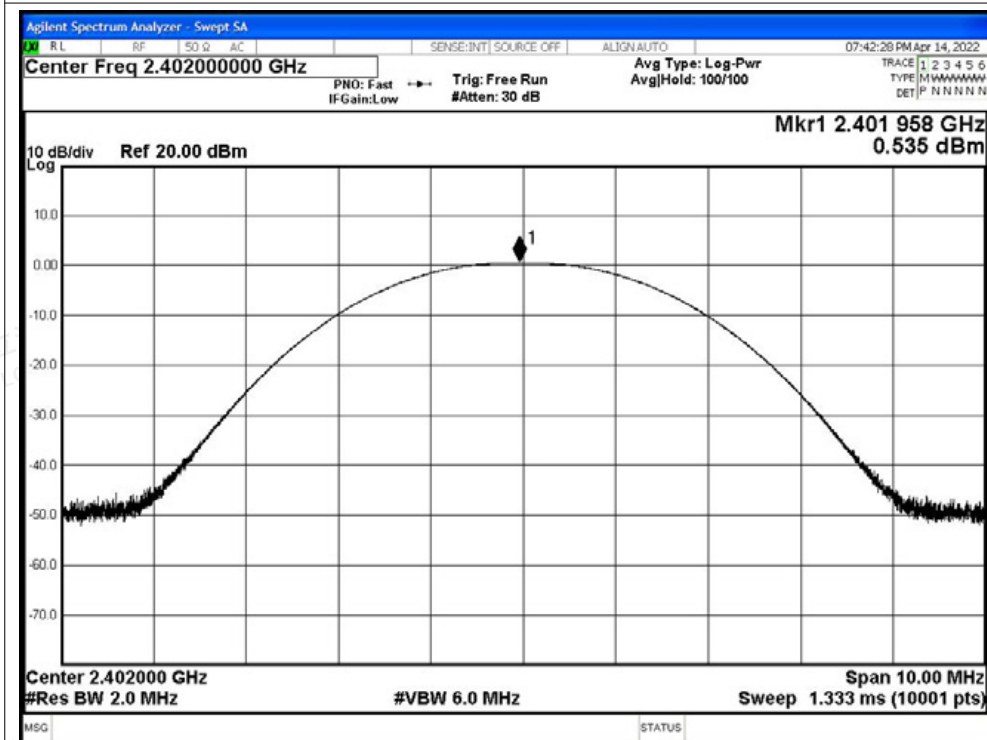
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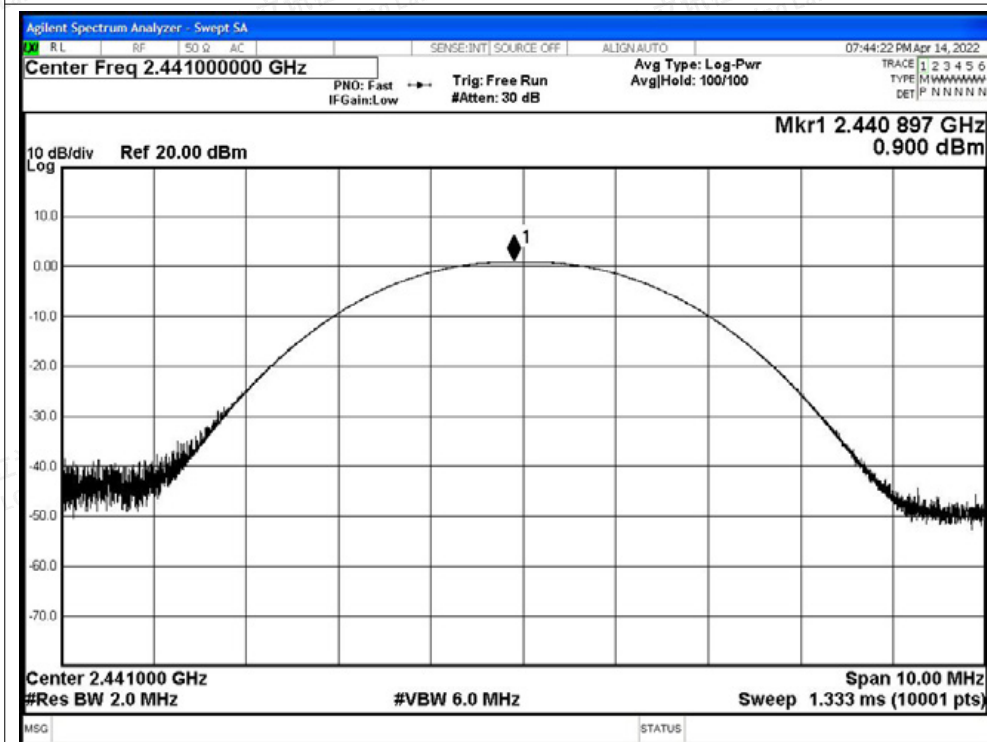


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1



Power NVNT 1-DH5 2441MHz Ant1



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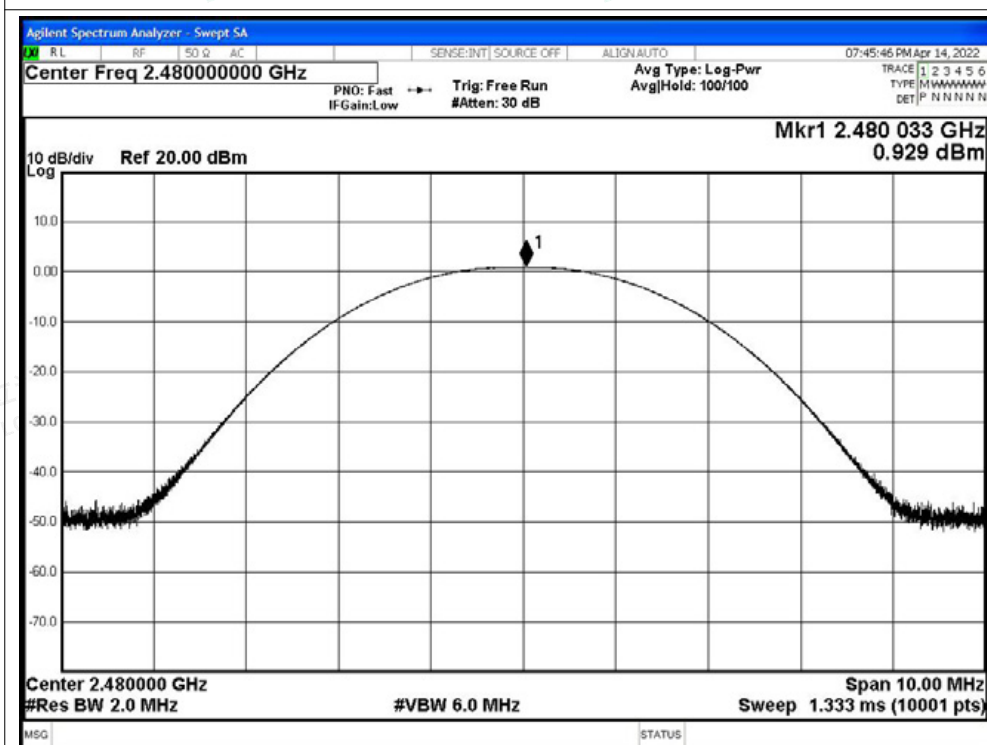
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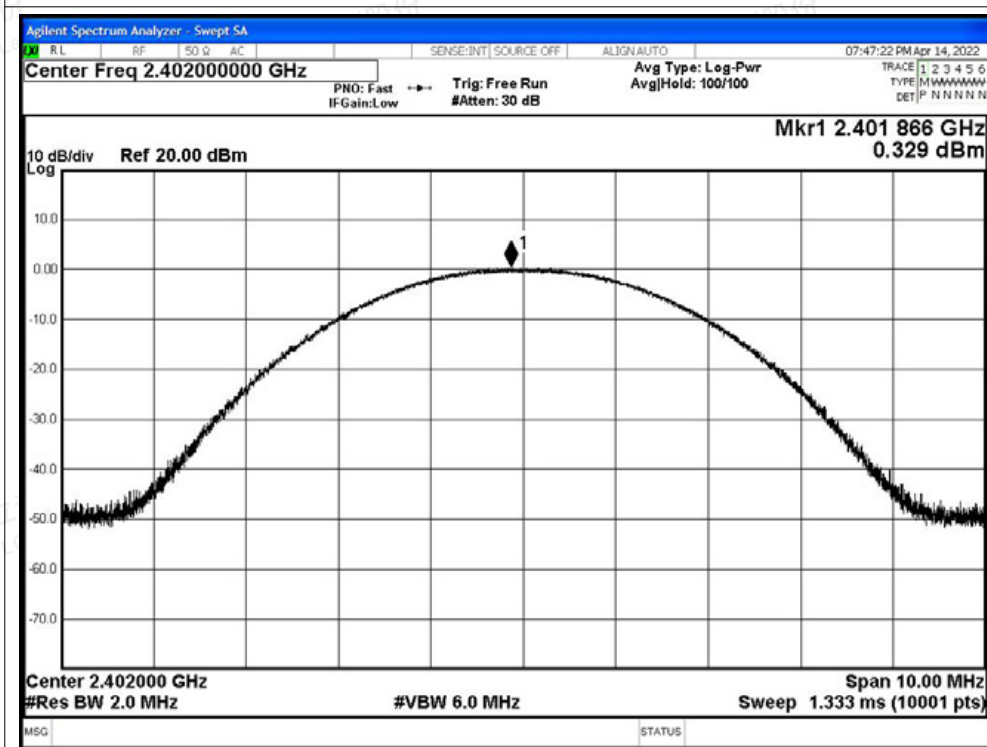
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Power NVNT 1-DH5 2480MHz Ant1



Power NVNT 2-DH5 2402MHz Ant1



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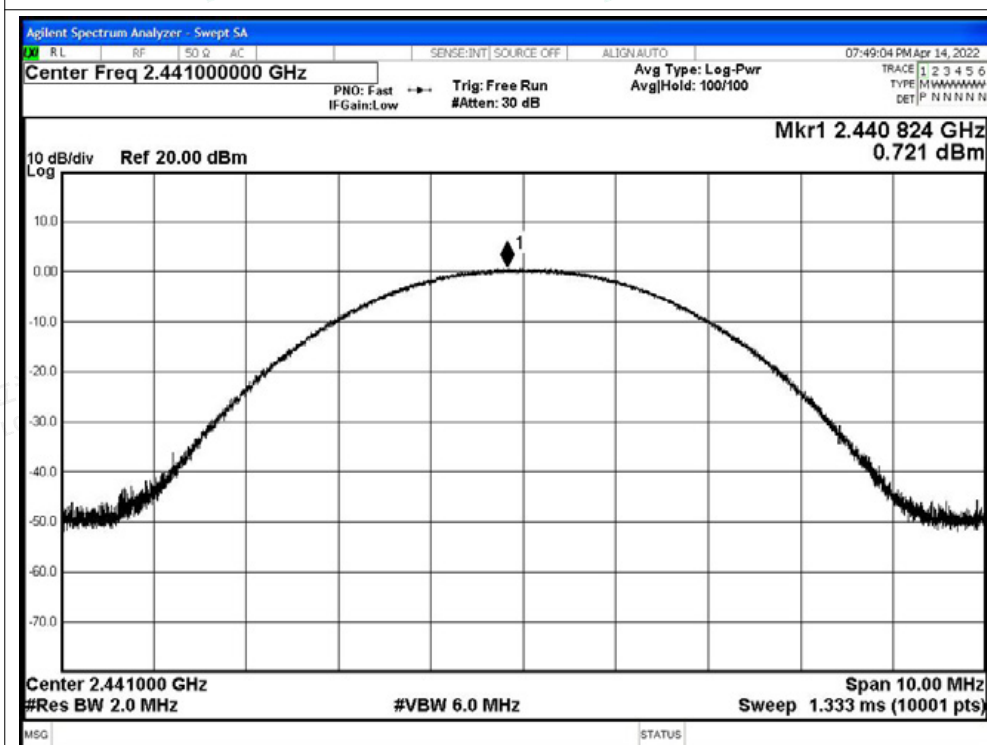
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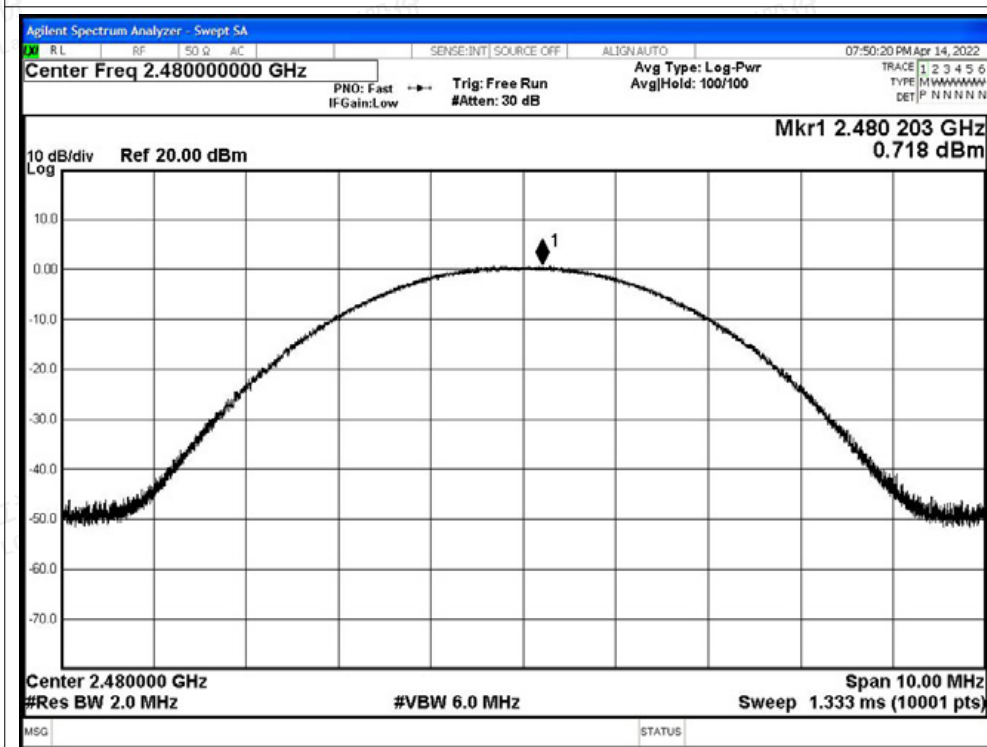
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Power NVNT 2-DH5 2441MHz Ant1



Power NVNT 2-DH5 2480MHz Ant1



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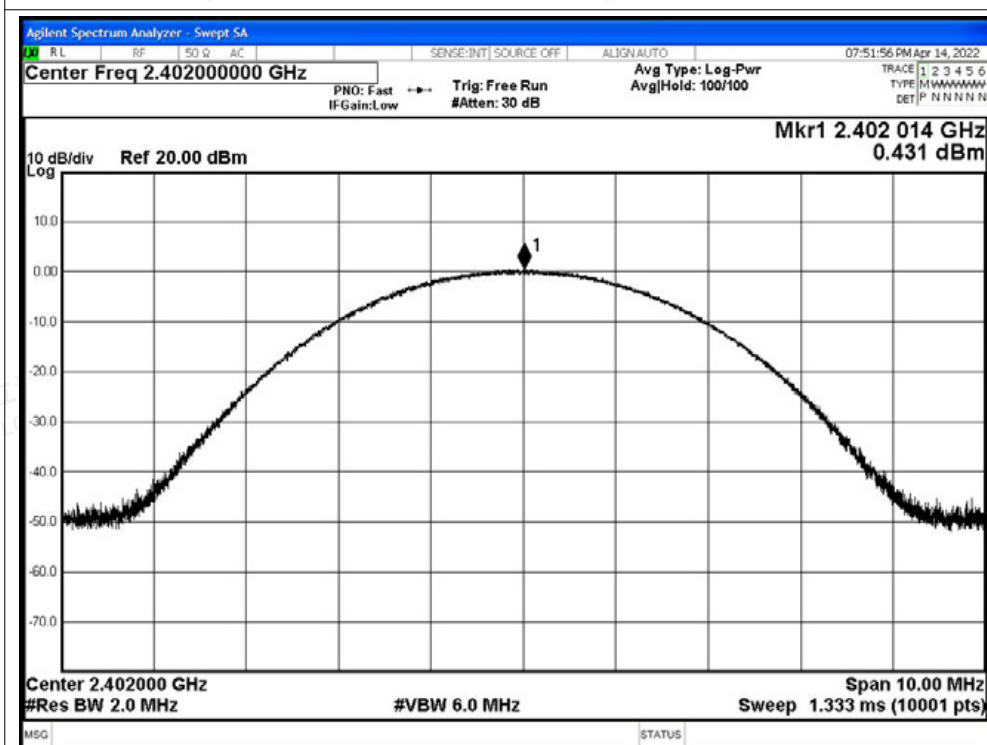
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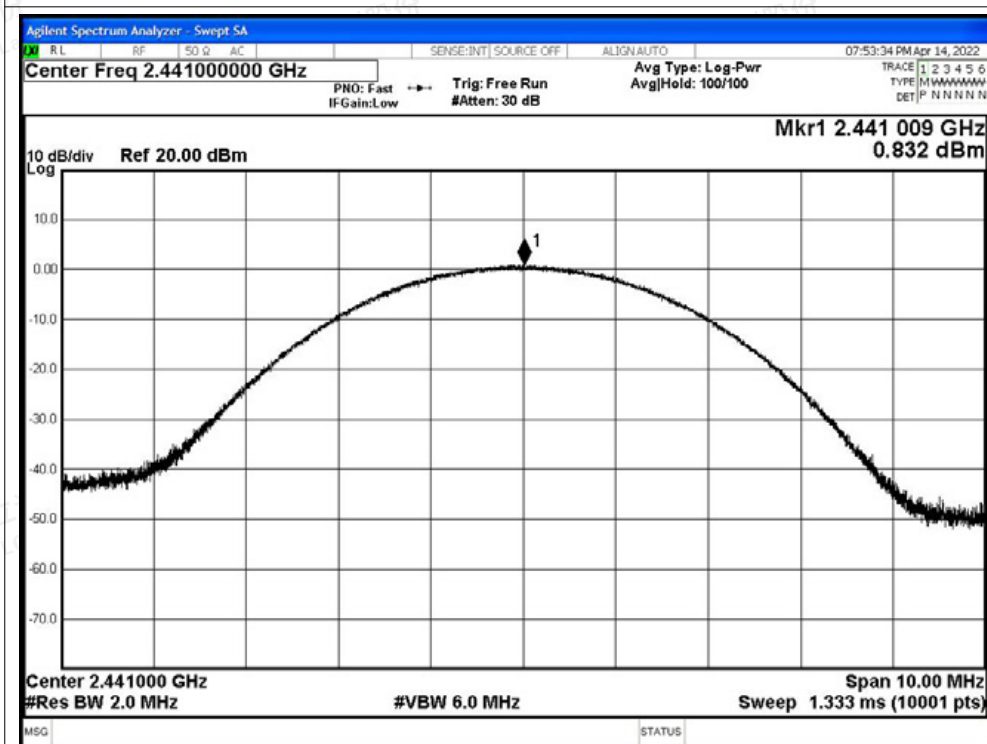
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Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1

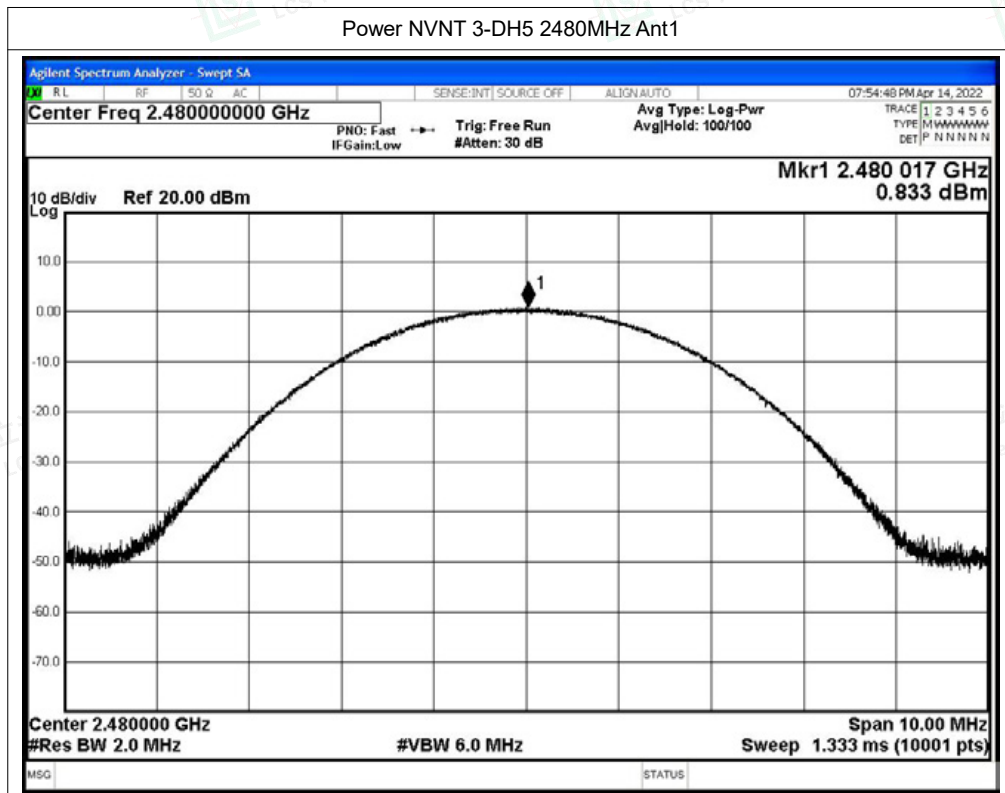


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A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.972	2403.014	1.042	0.681	Pass
NVNT	2-DH5	Ant1	2401.818	2403.162	1.344	0.889	Pass
NVNT	3-DH5	Ant1	2402.148	2403.102	0.954	0.851	Pass



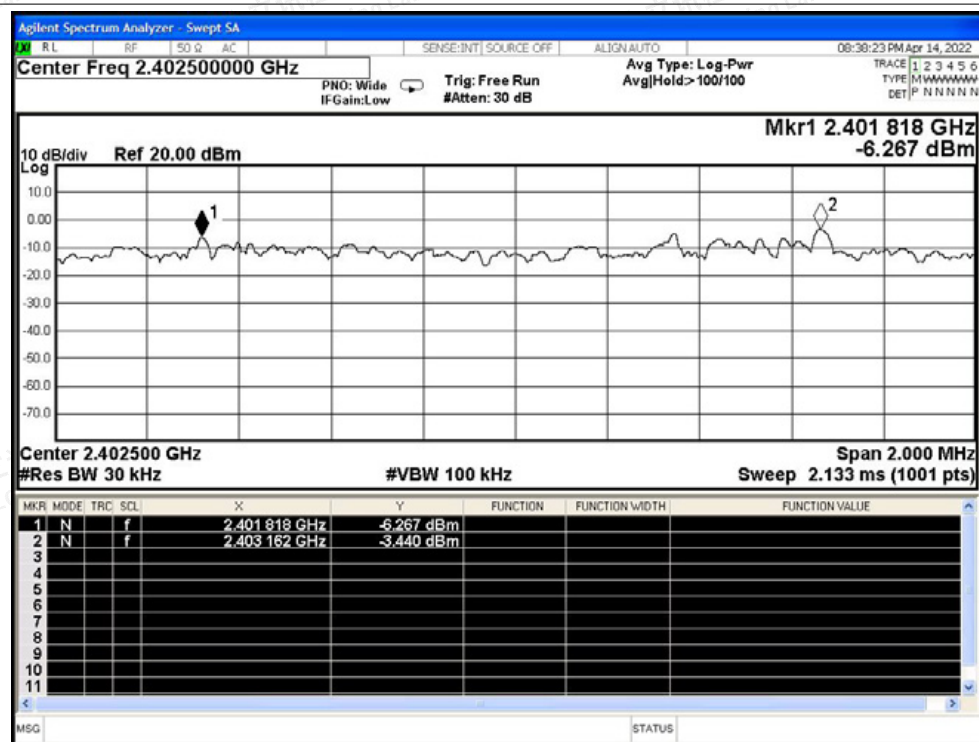


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1

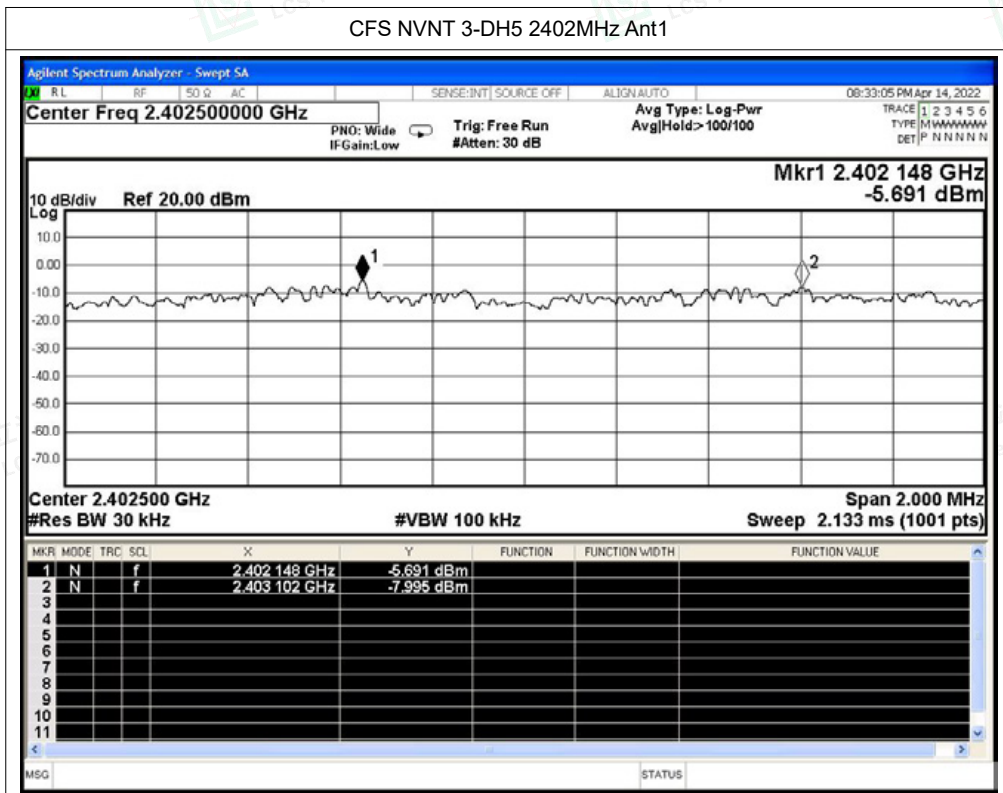


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A.4 Dwell Time

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	293.964	102	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.879	293.658	102	31600	400	Pass
NVNT	1-DH5	2480	Ant1	2.882	262.262	91	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.885	271.19	94	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.883	259.47	90	31600	400	Pass
NVNT	2-DH5	2480	Ant1	2.885	326.005	113	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.887	308.909	107	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.887	317.57	110	31600	400	Pass
NVNT	3-DH5	2480	Ant1	2.884	273.98	95	31600	400	Pass



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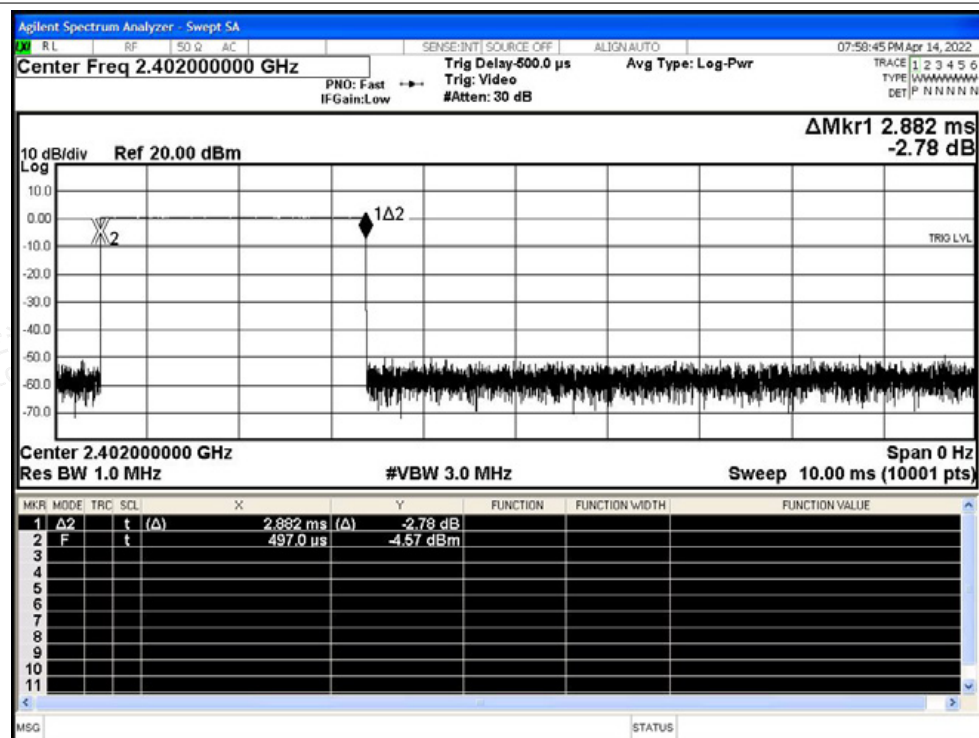
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Scan code to check authenticity

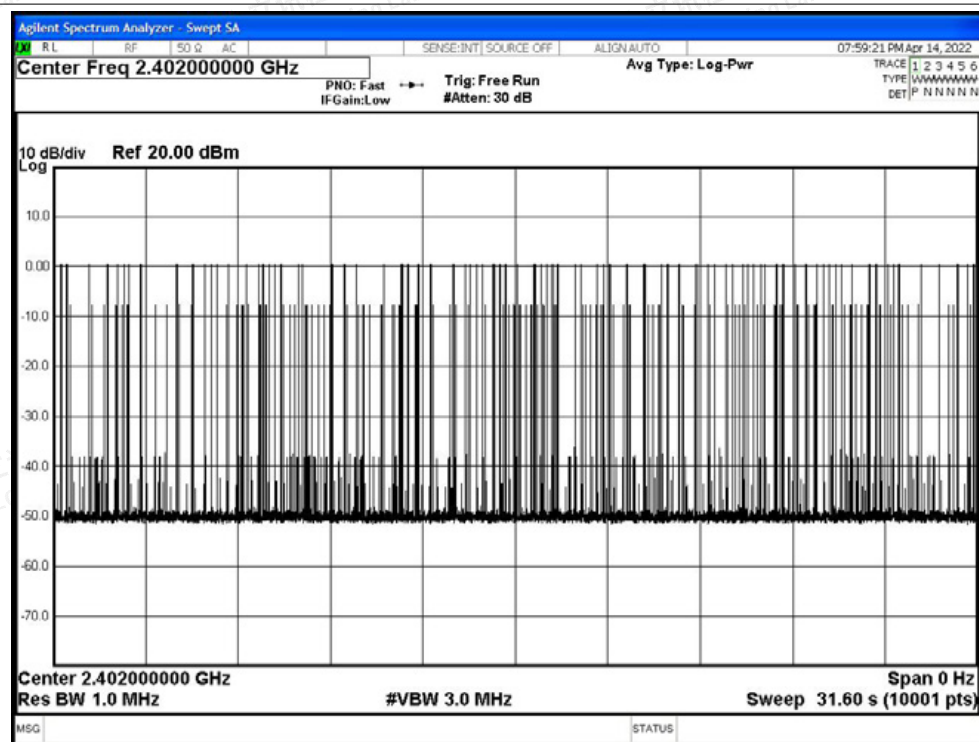


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



Shenzhen LCS Compliance Testing Laboratory Ltd.

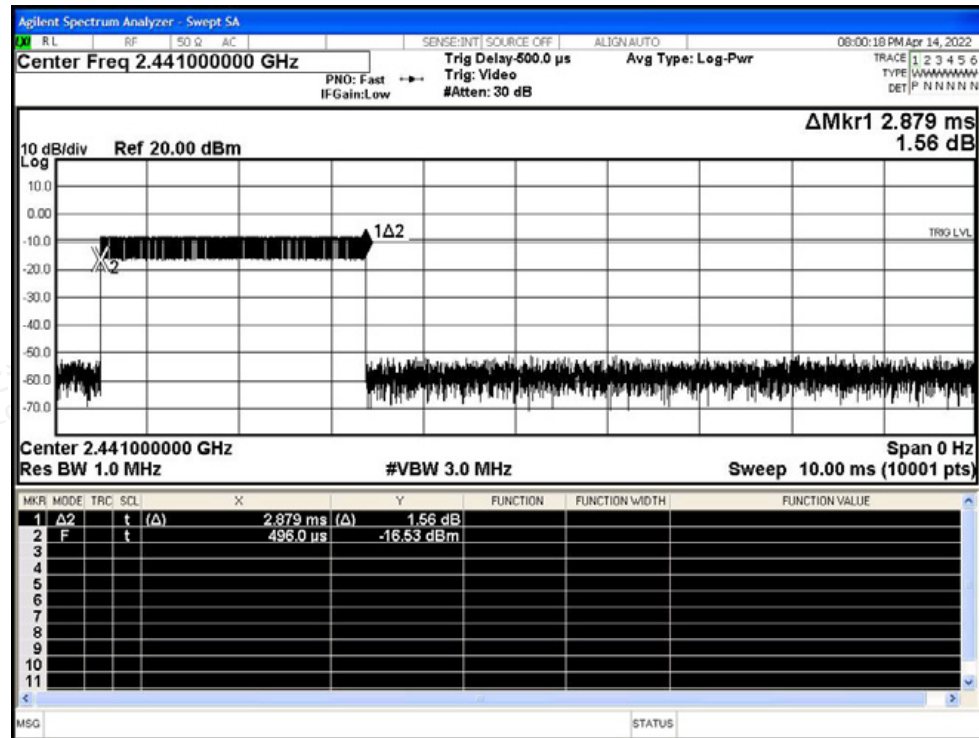
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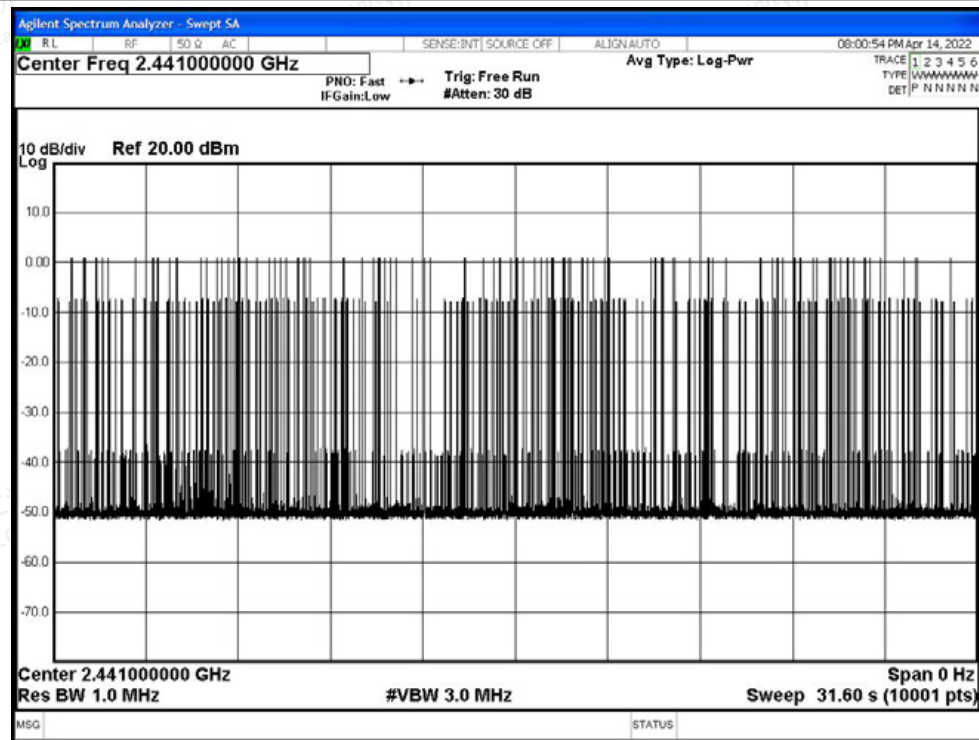
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Dwell NVNT 1-DH5 2441MHz Ant1 One Burst



Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



Shenzhen LCS Compliance Testing Laboratory Ltd.

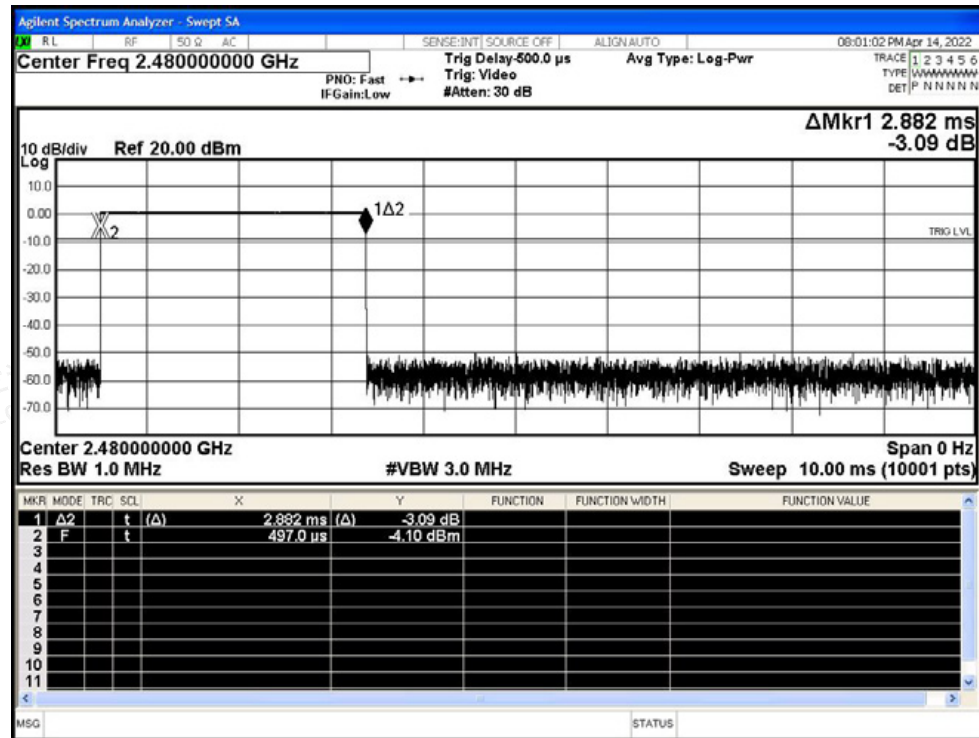
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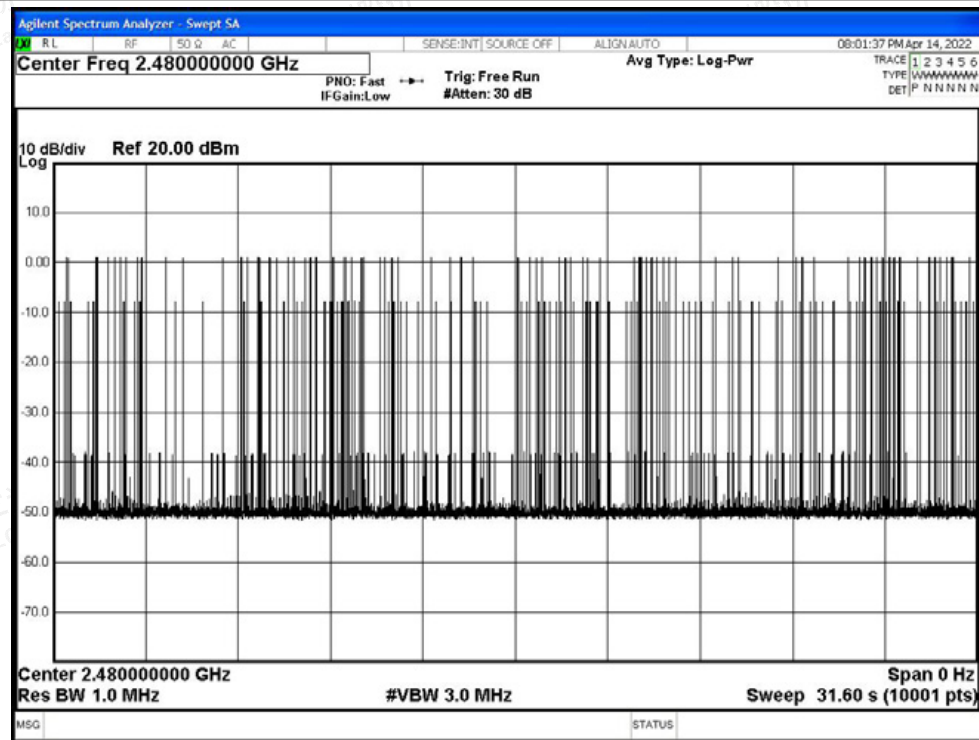
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Dwell NVNT 1-DH5 2480MHz Ant1 One Burst



Dwell NVNT 1-DH5 2480MHz Ant1 Accumulated



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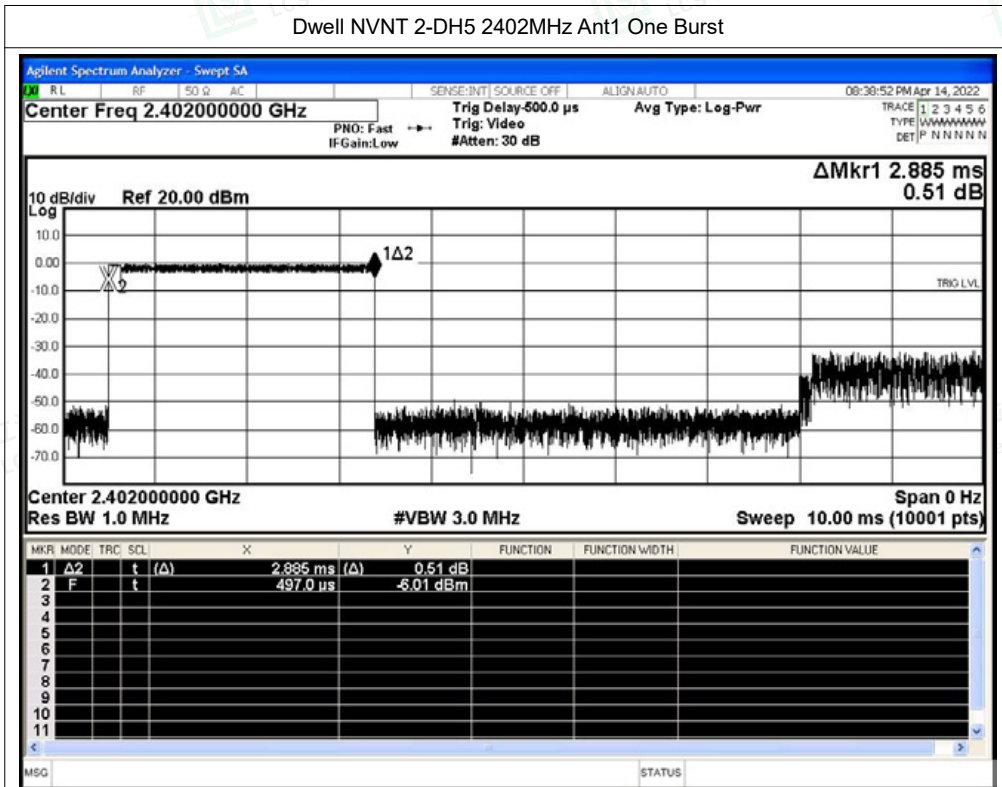
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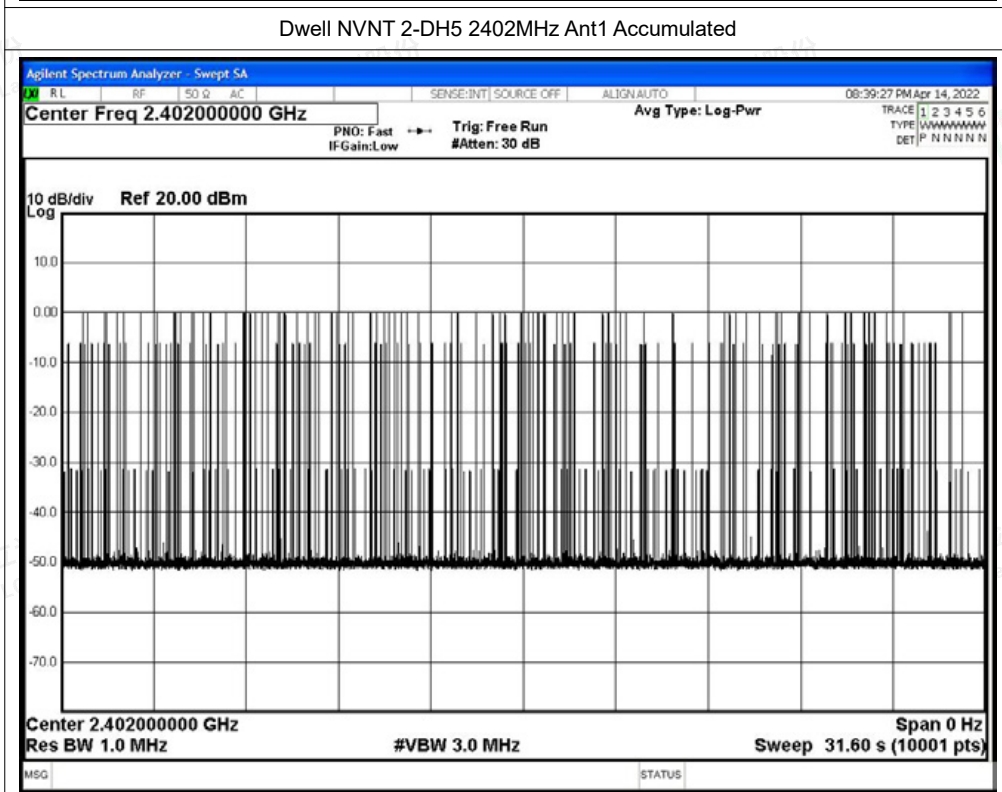
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Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



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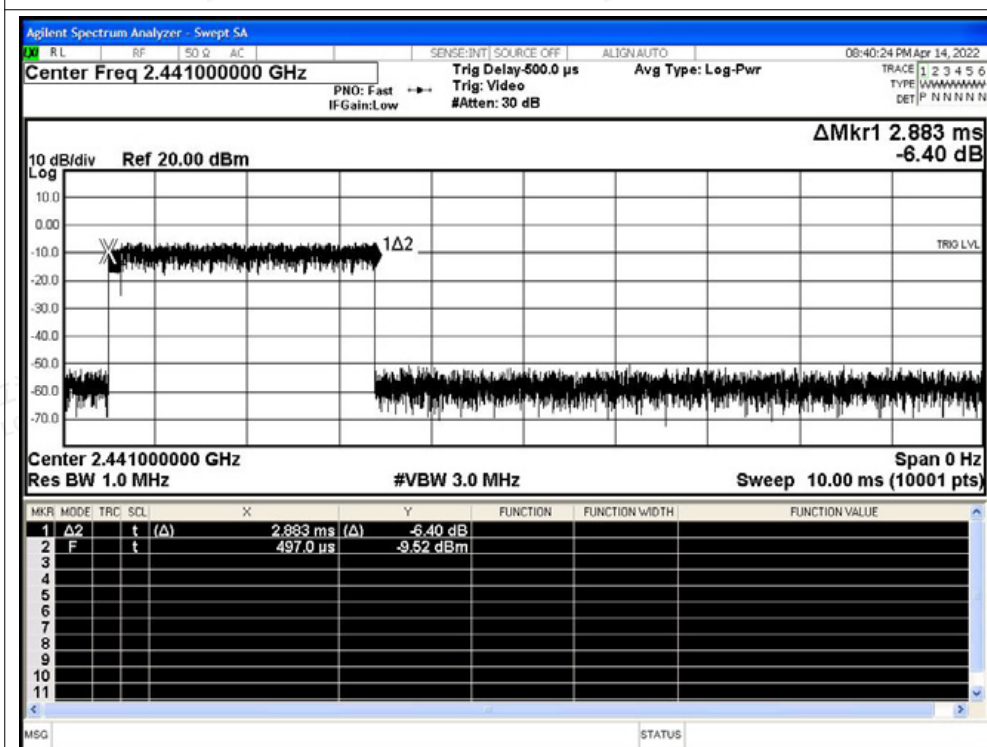
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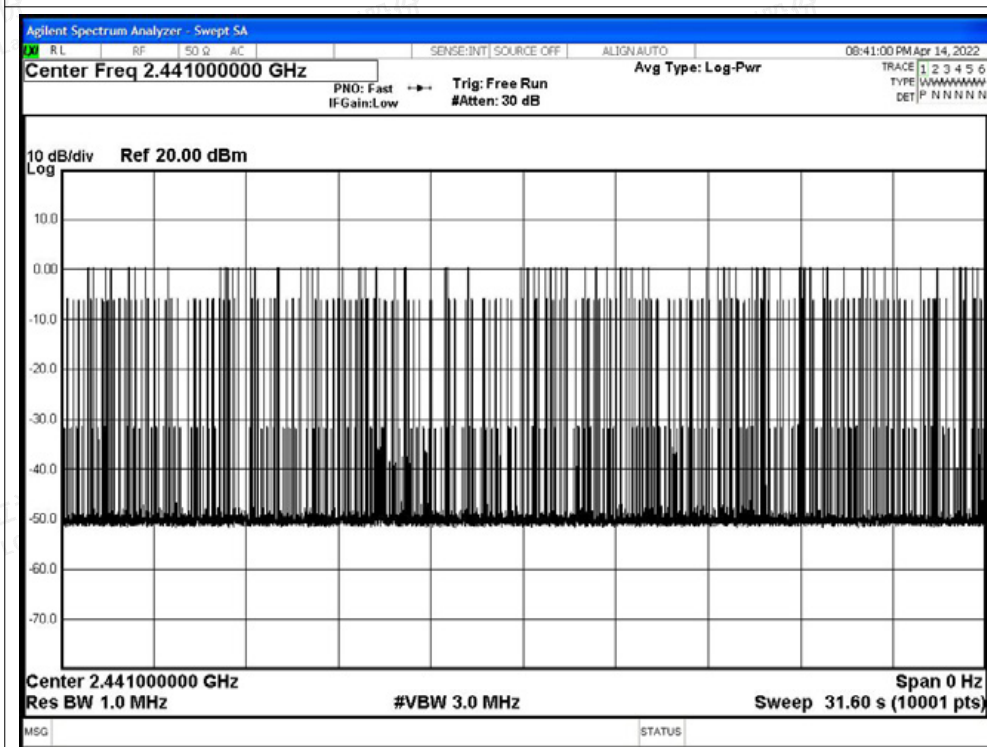
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Dwell NVNT 2-DH5 2441MHz Ant1 One Burst



Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated



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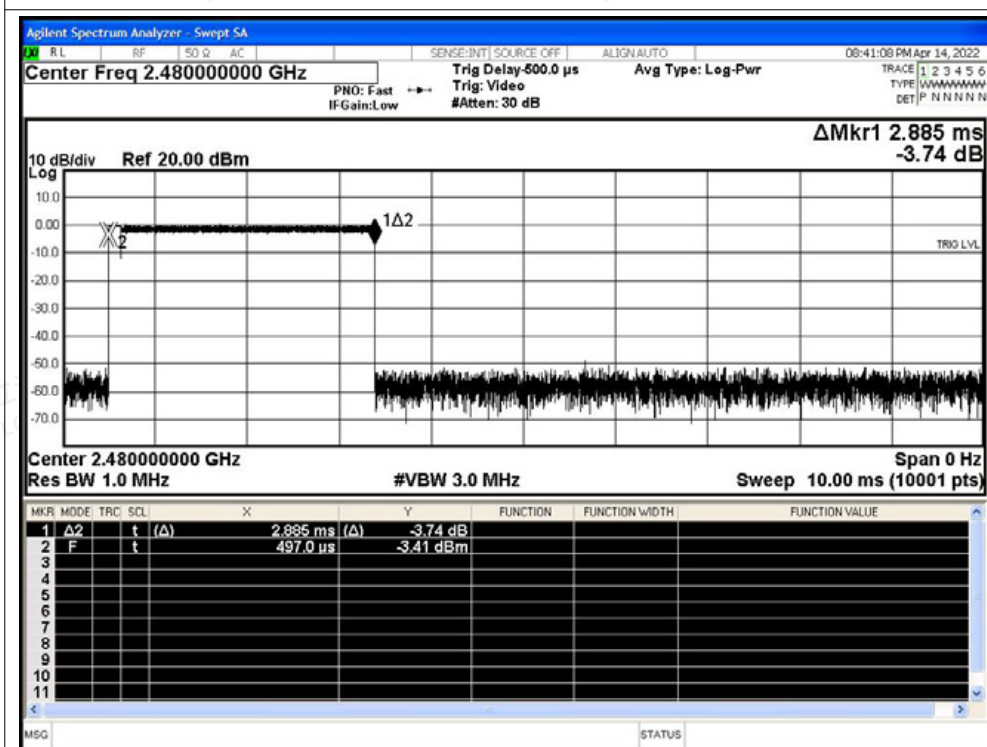
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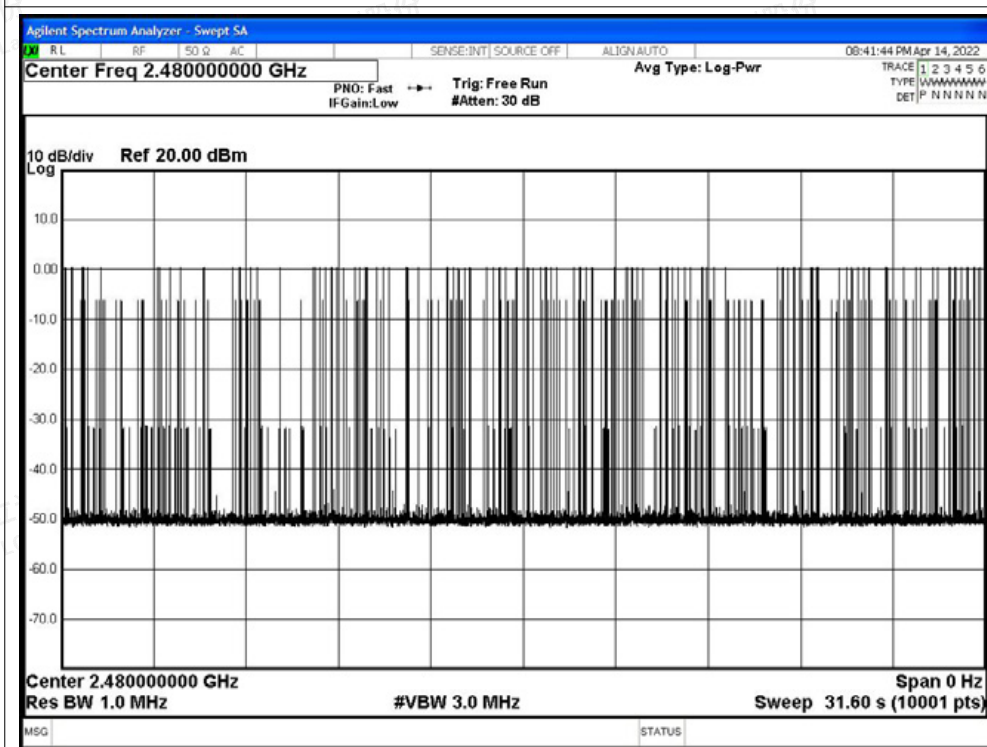
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Dwell NVNT 2-DH5 2480MHz Ant1 One Burst



Dwell NVNT 2-DH5 2480MHz Ant1 Accumulated



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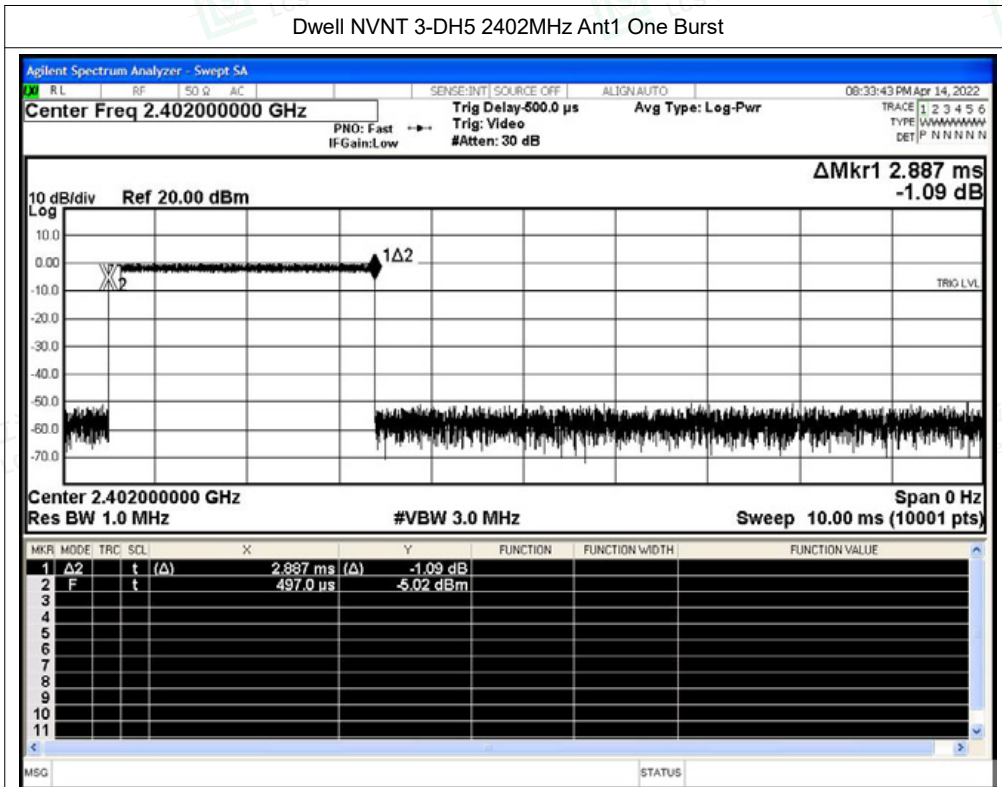
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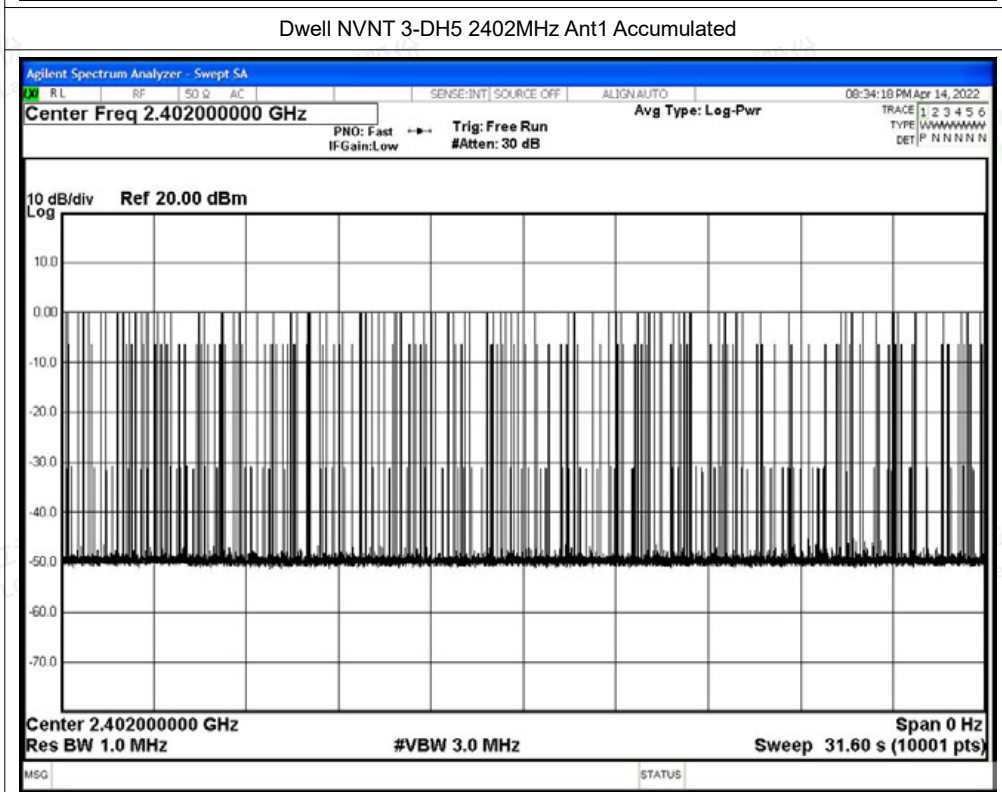
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Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated



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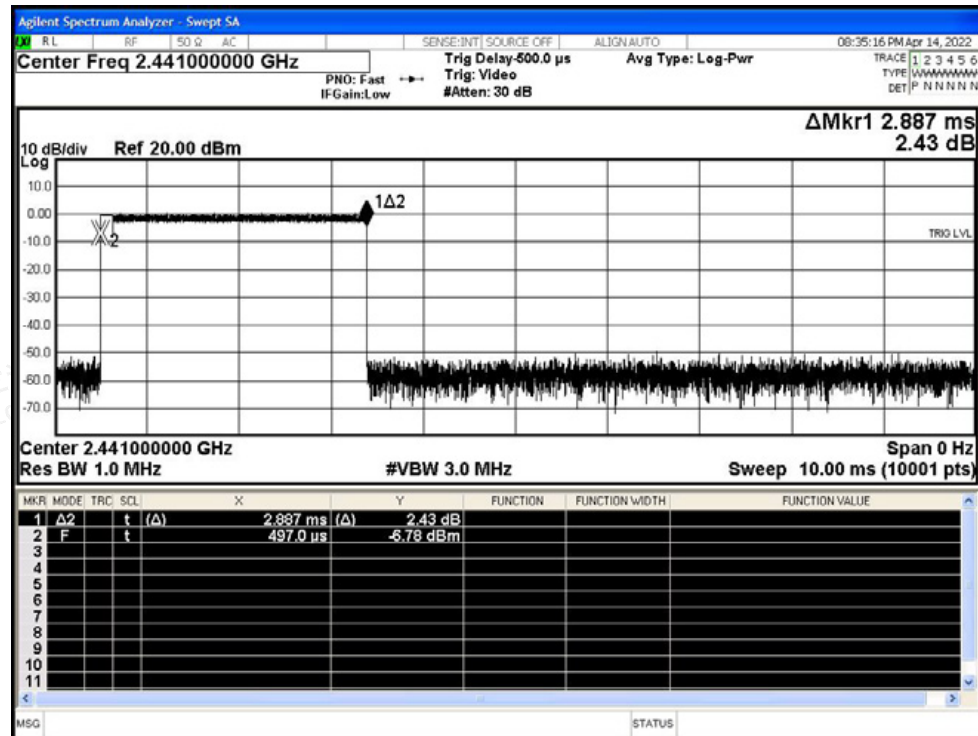
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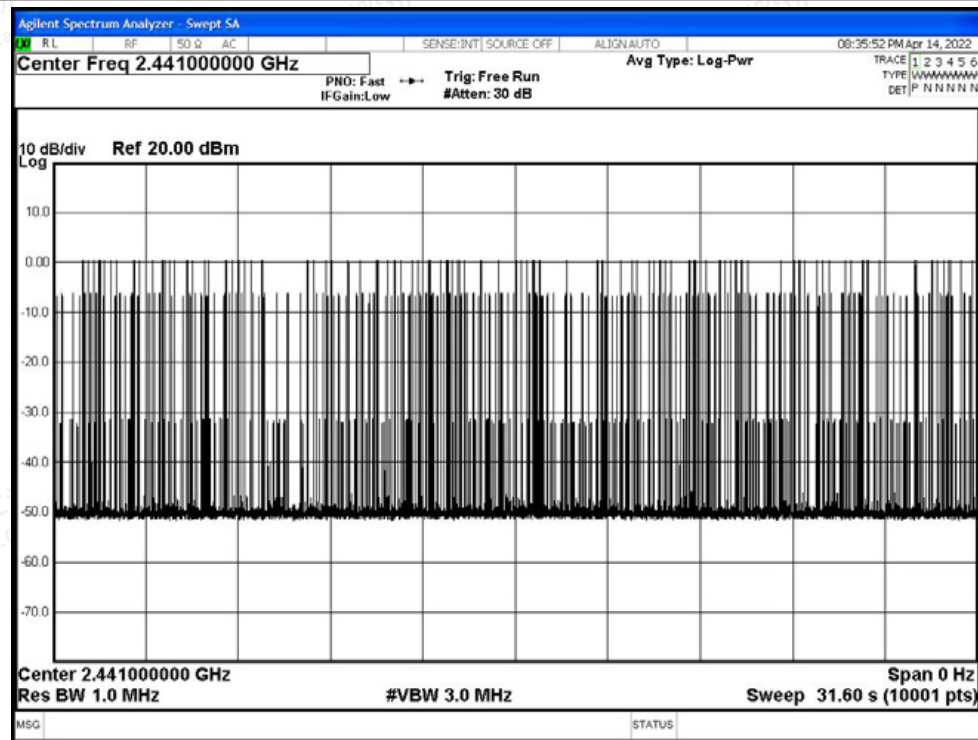
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Dwell NVNT 3-DH5 2441MHz Ant1 One Burst



Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated



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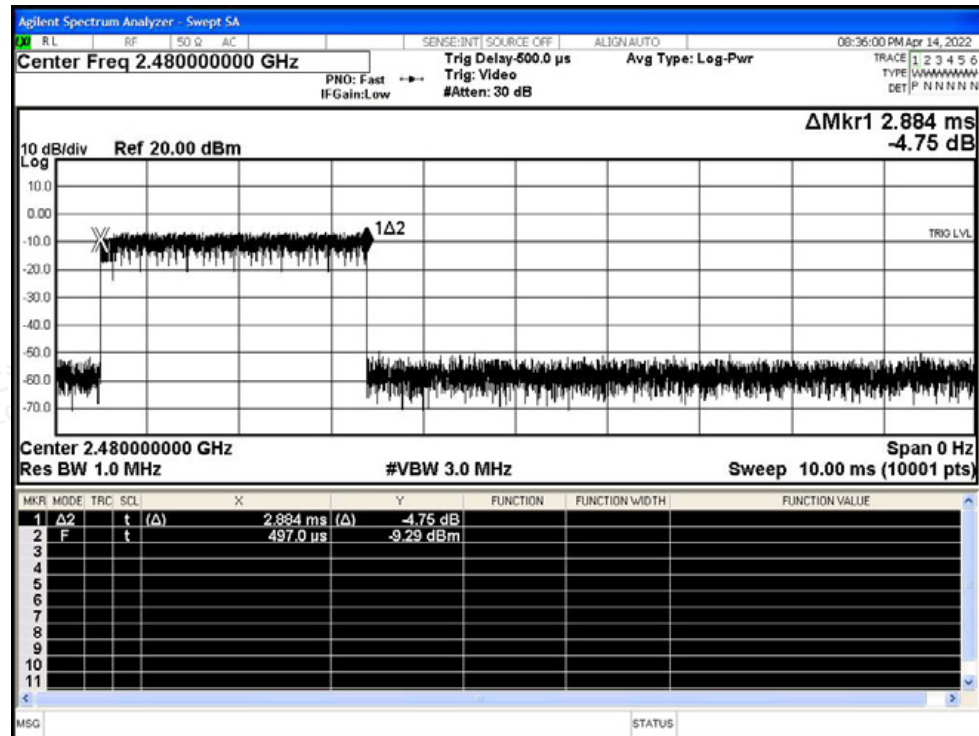
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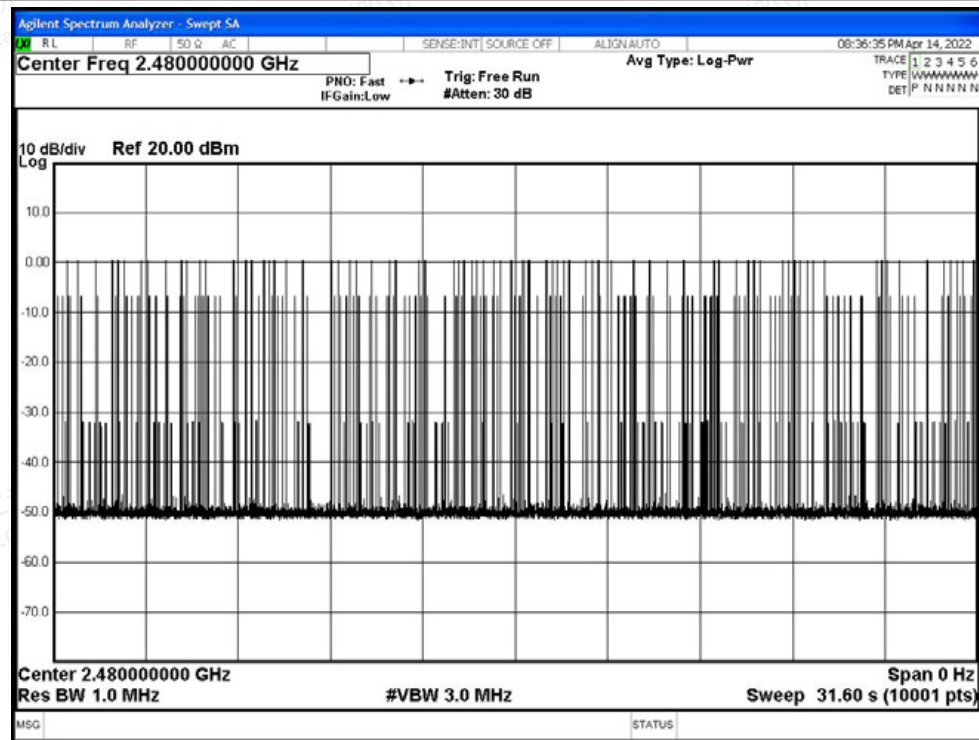
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Dwell NVNT 3-DH5 2480MHz Ant1 One Burst



Dwell NVNT 3-DH5 2480MHz Ant1 Accumulated



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A.5 Number of Hopping Channel

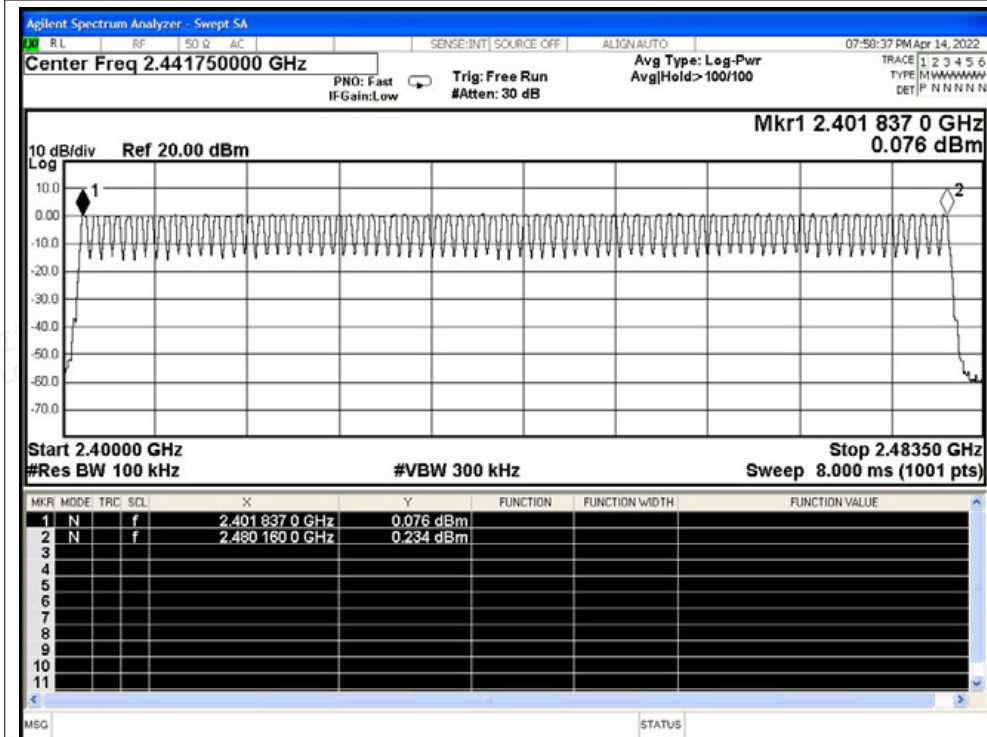
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



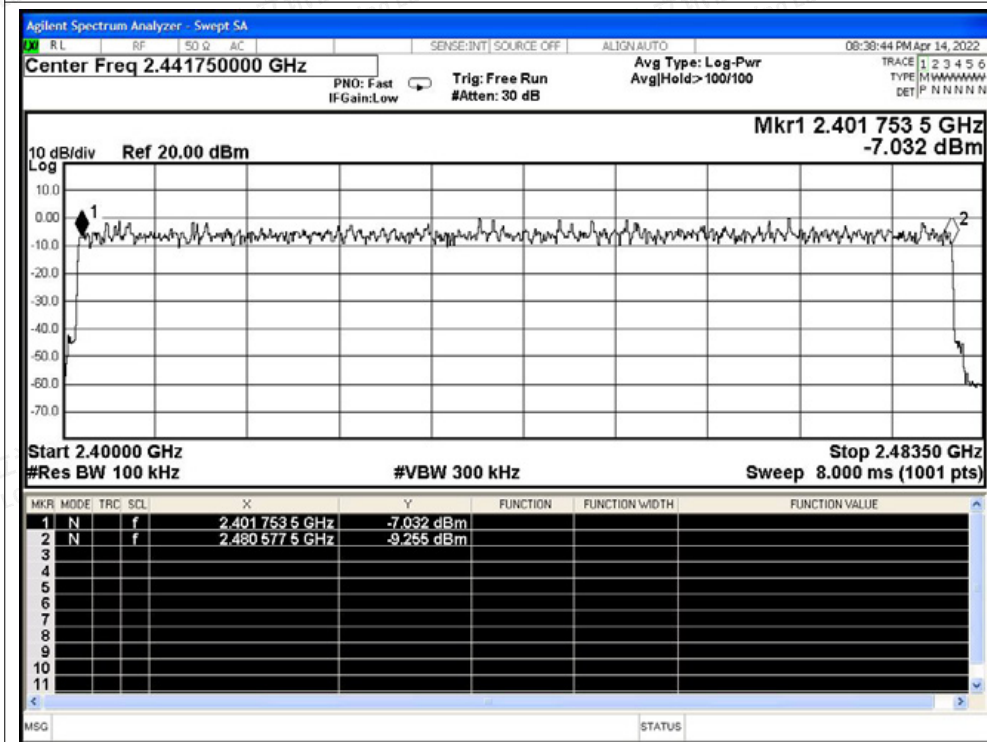


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1

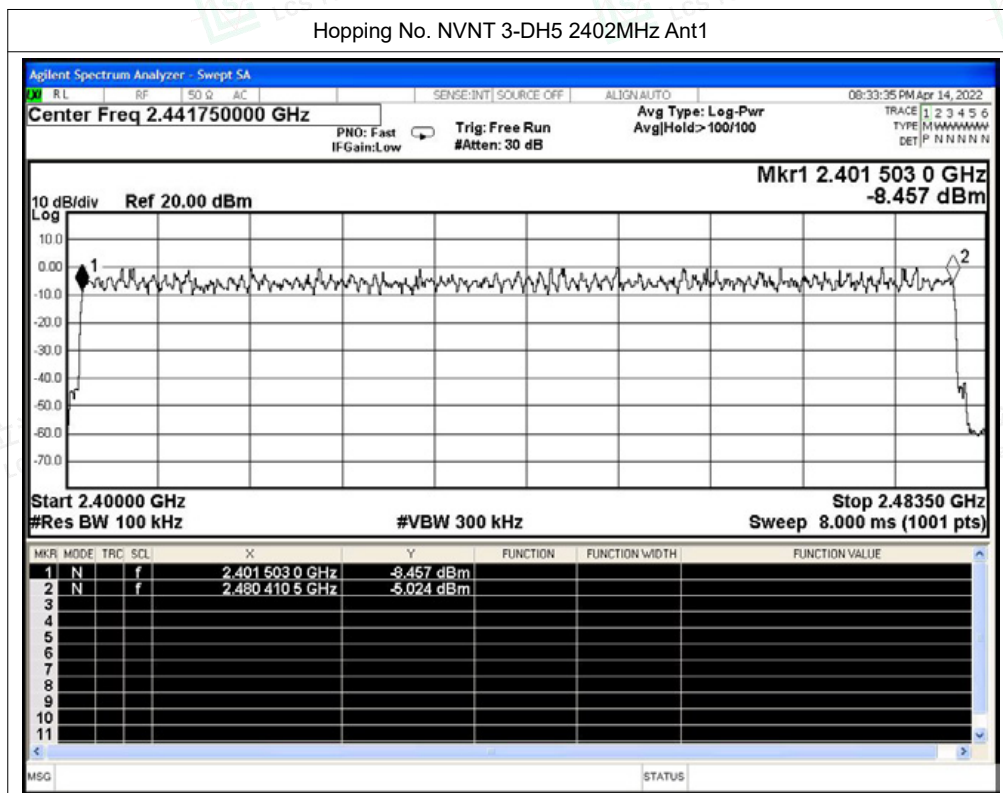


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A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-56.77	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-59.58	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-53.65	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-56.6	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-54.93	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-55.21	-20	Pass



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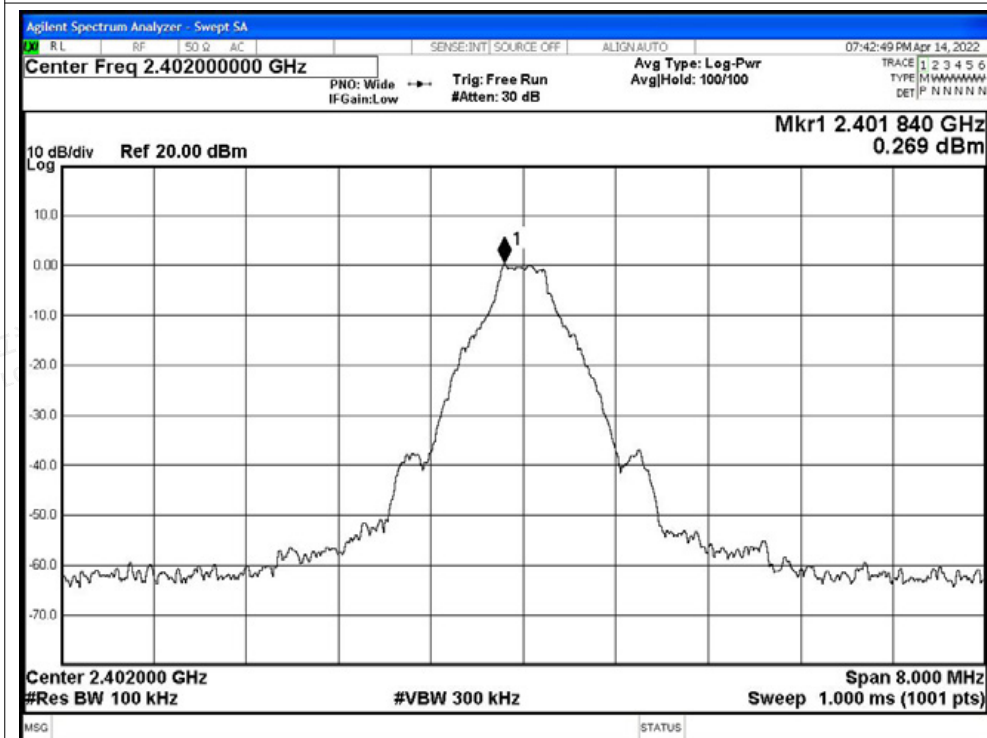
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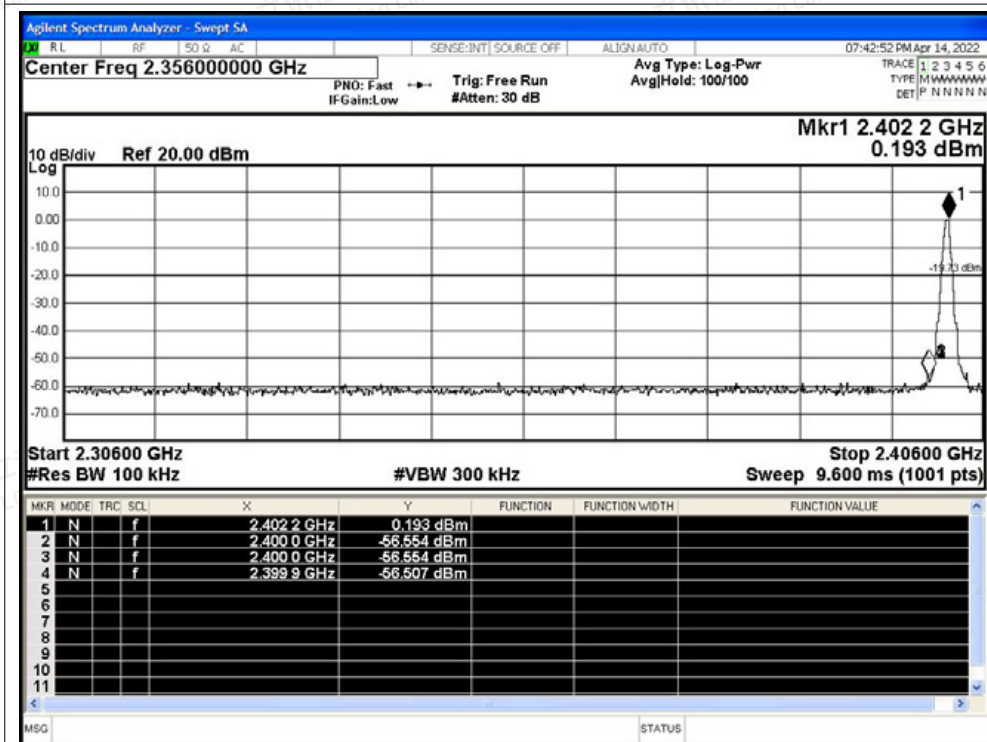


Test Graphs

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



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



Shenzhen LCS Compliance Testing Laboratory Ltd.

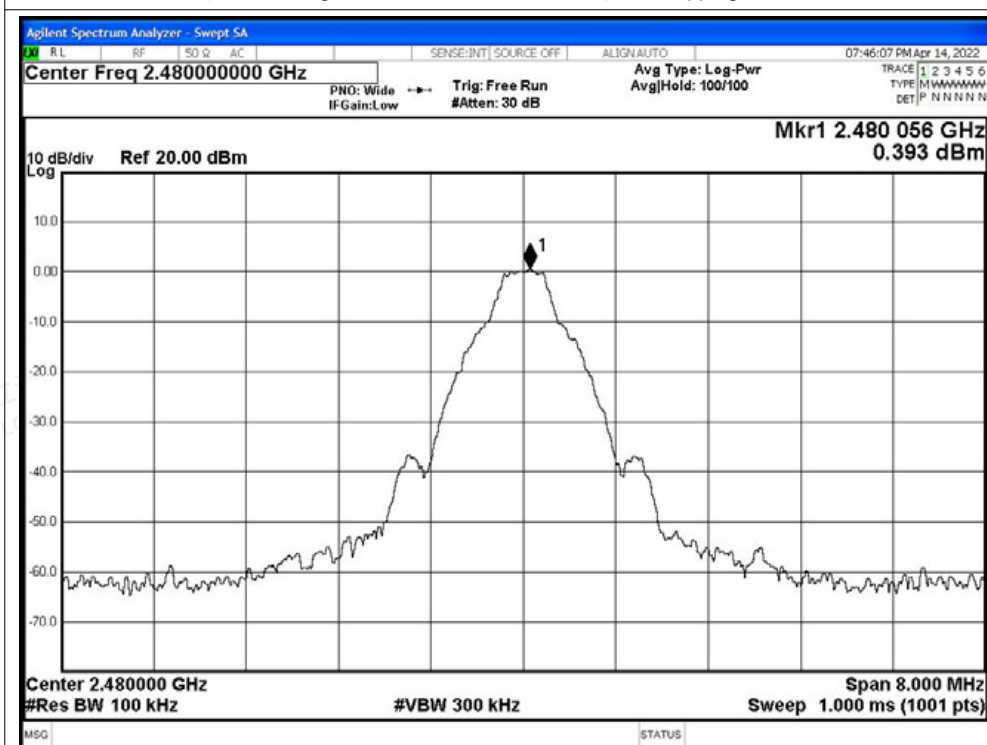
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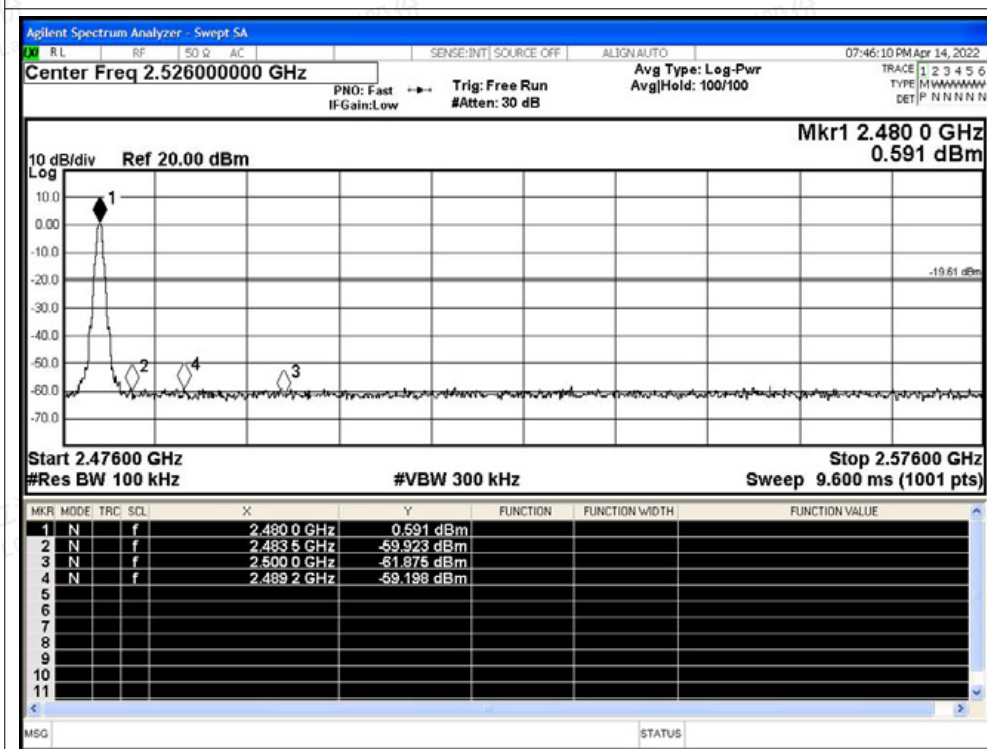
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Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



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



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