



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: SPEAKER BOX

Test Model: FYS-8PA-32

Environmental Conditions

Temperature:	23.5 ° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Monkey Li
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	1.029	N/A	Pass
NVNT	1-DH5	2441	Ant1	1.012	N/A	Pass
NVNT	1-DH5	2480	Ant1	1.007	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.286	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.282	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.28	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.312	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.29	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.268	N/A	Pass



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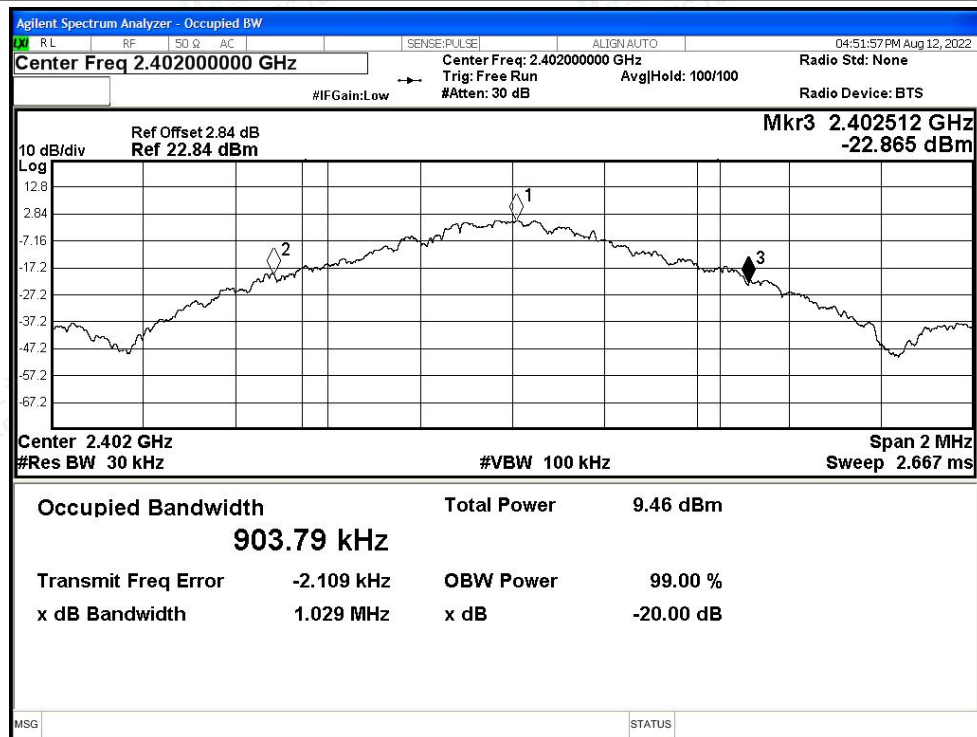
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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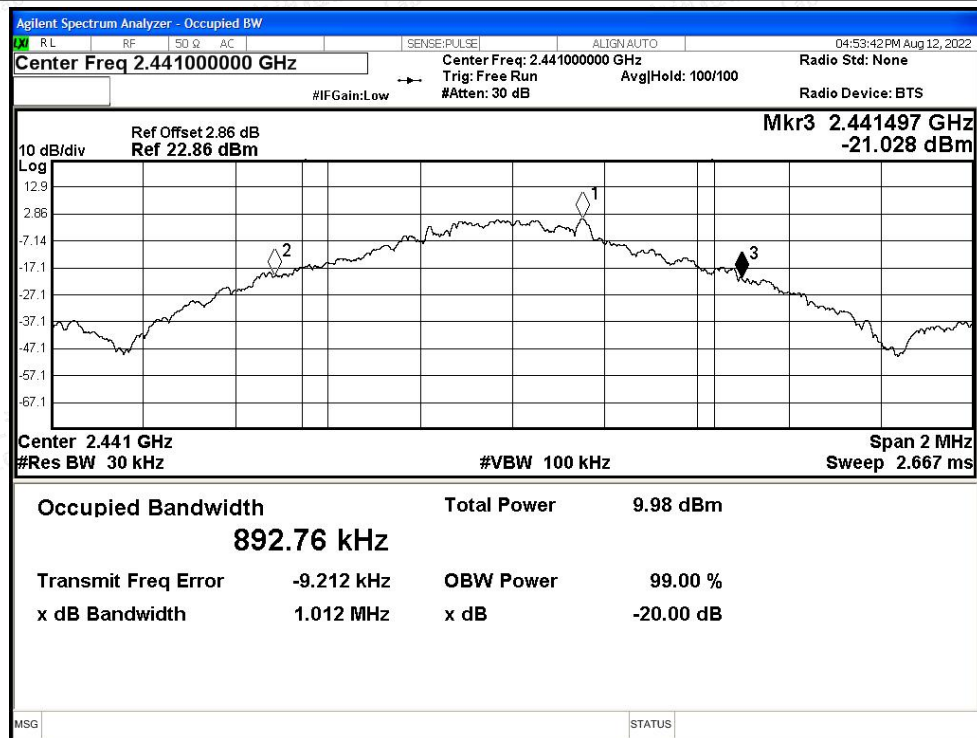


Test Graphs

20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



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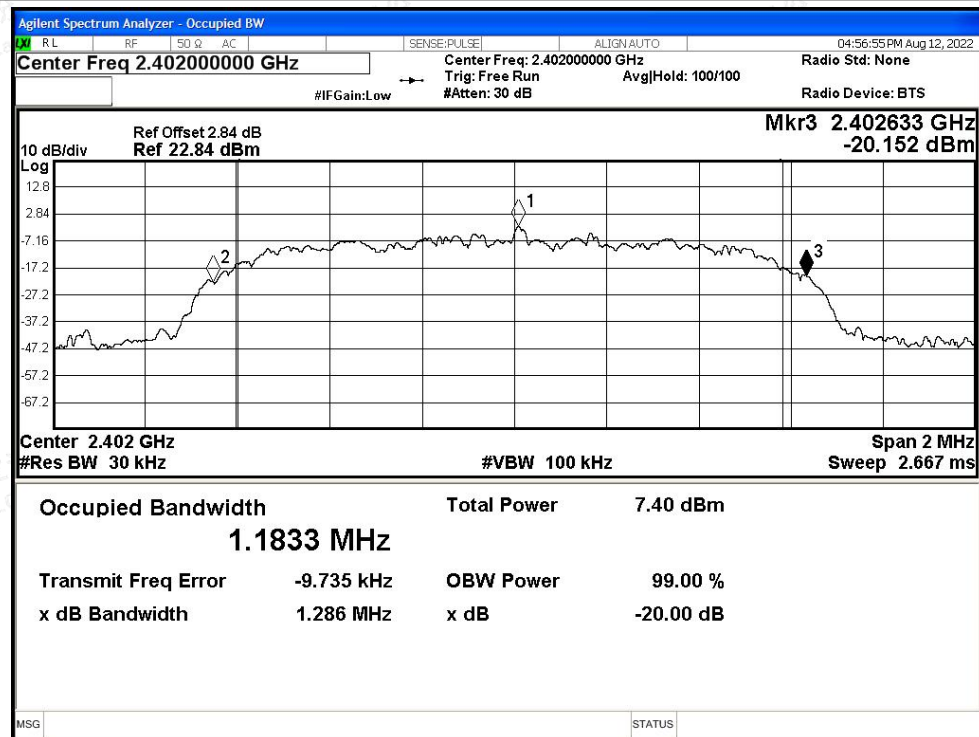
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20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



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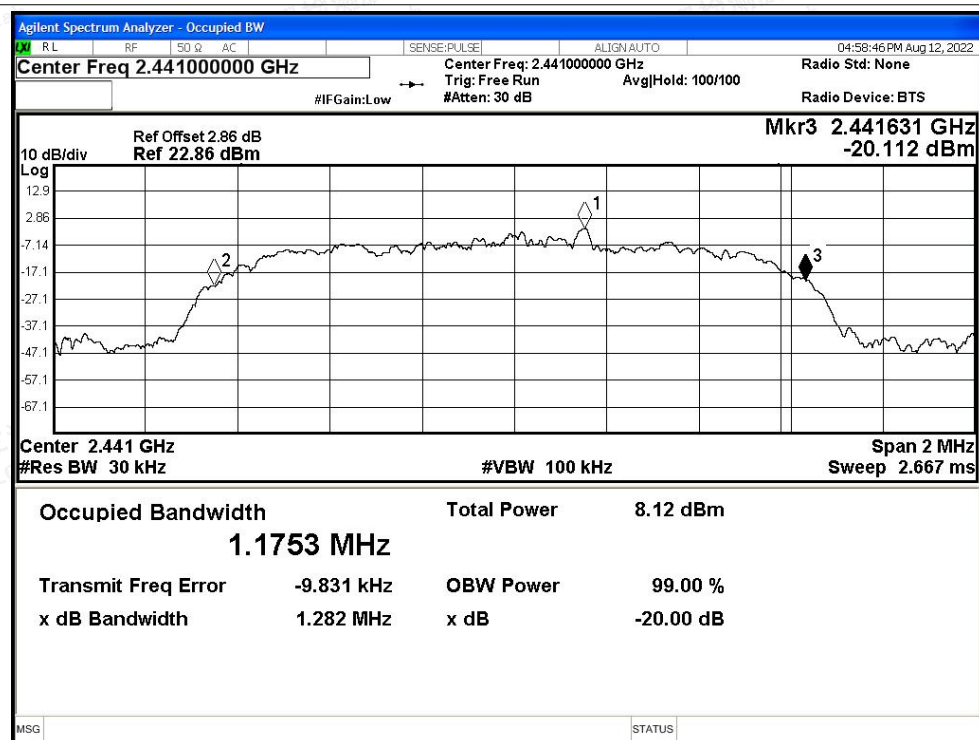
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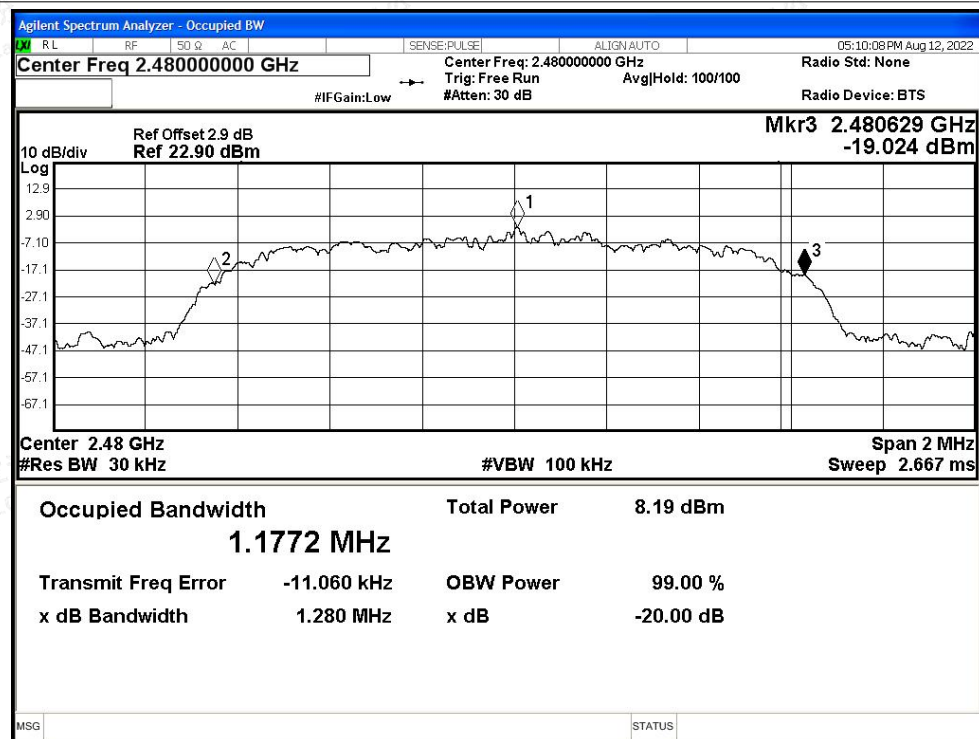
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20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



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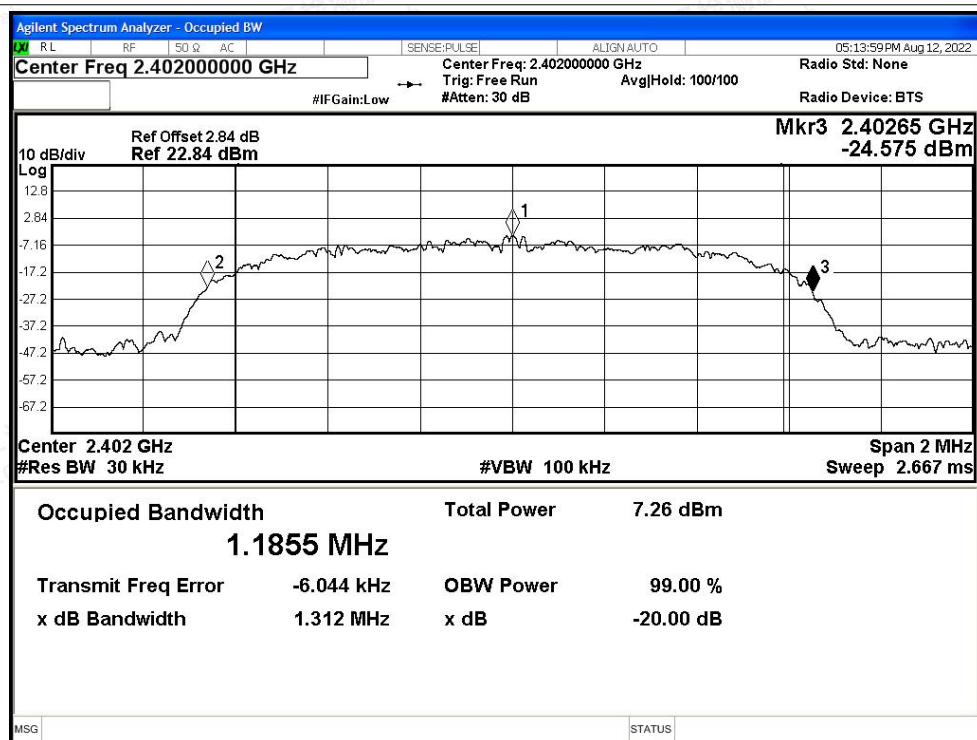
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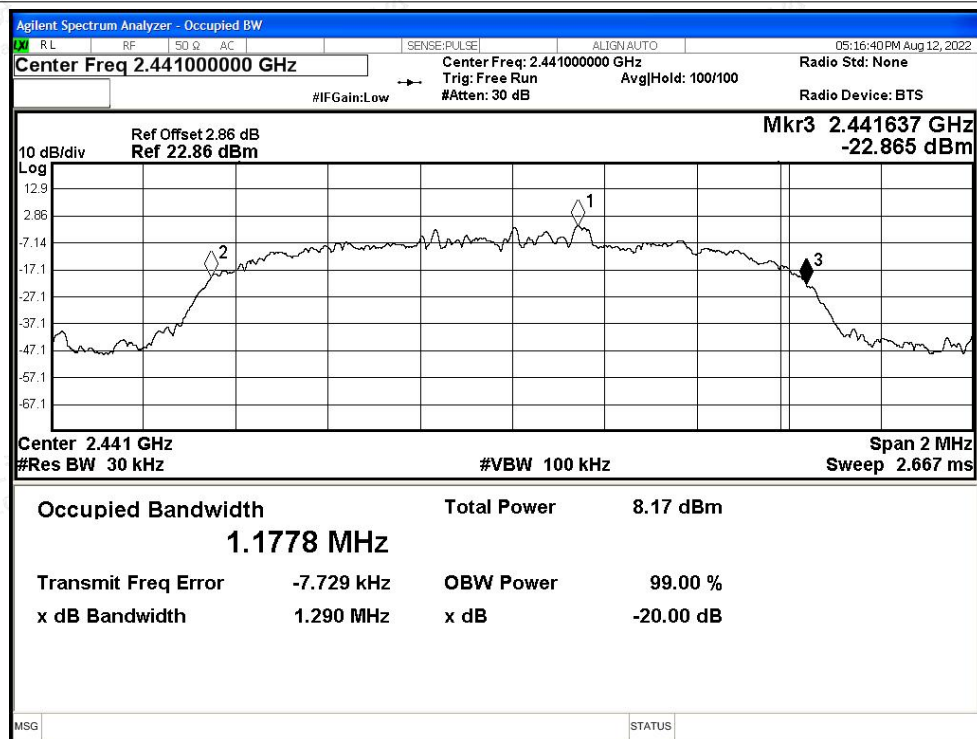
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20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



20dB Bandwidth NVNT 3-DH5 2441MHz Ant1

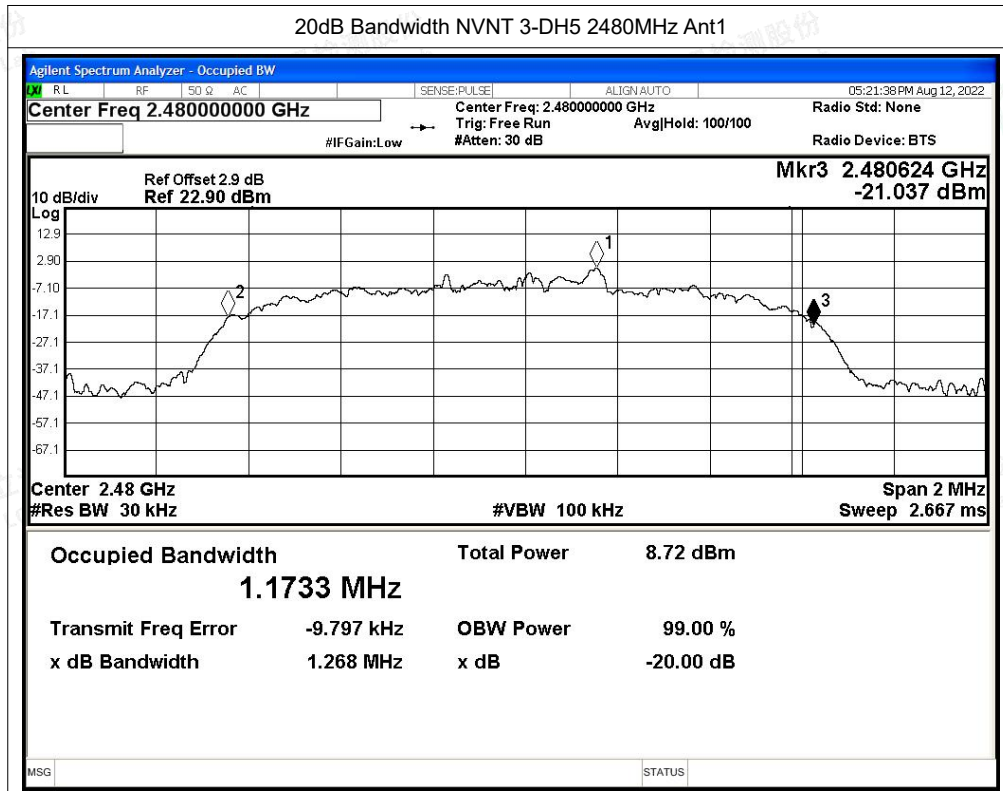


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A.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	3.44	21	Pass
NVNT	1-DH5	2441	Ant1	3.62	21	Pass
NVNT	1-DH5	2480	Ant1	3.69	21	Pass
NVNT	2-DH5	2402	Ant1	3.11	21	Pass
NVNT	2-DH5	2441	Ant1	3.46	21	Pass
NVNT	2-DH5	2480	Ant1	3.61	21	Pass
NVNT	3-DH5	2402	Ant1	3.22	21	Pass
NVNT	3-DH5	2441	Ant1	3.55	21	Pass
NVNT	3-DH5	2480	Ant1	3.7	21	Pass



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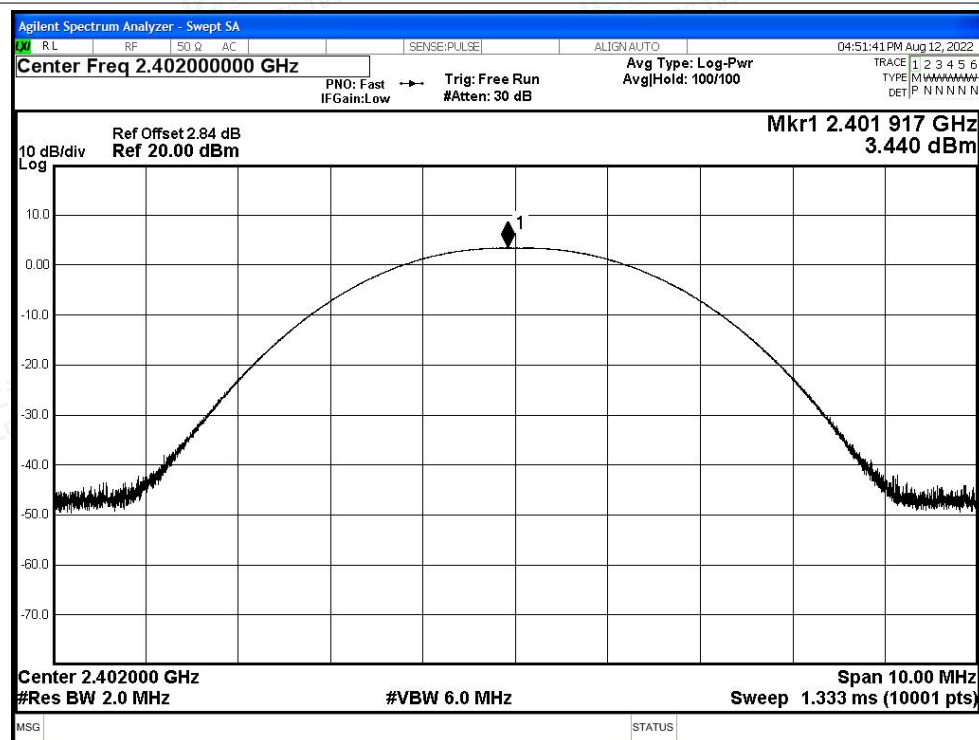
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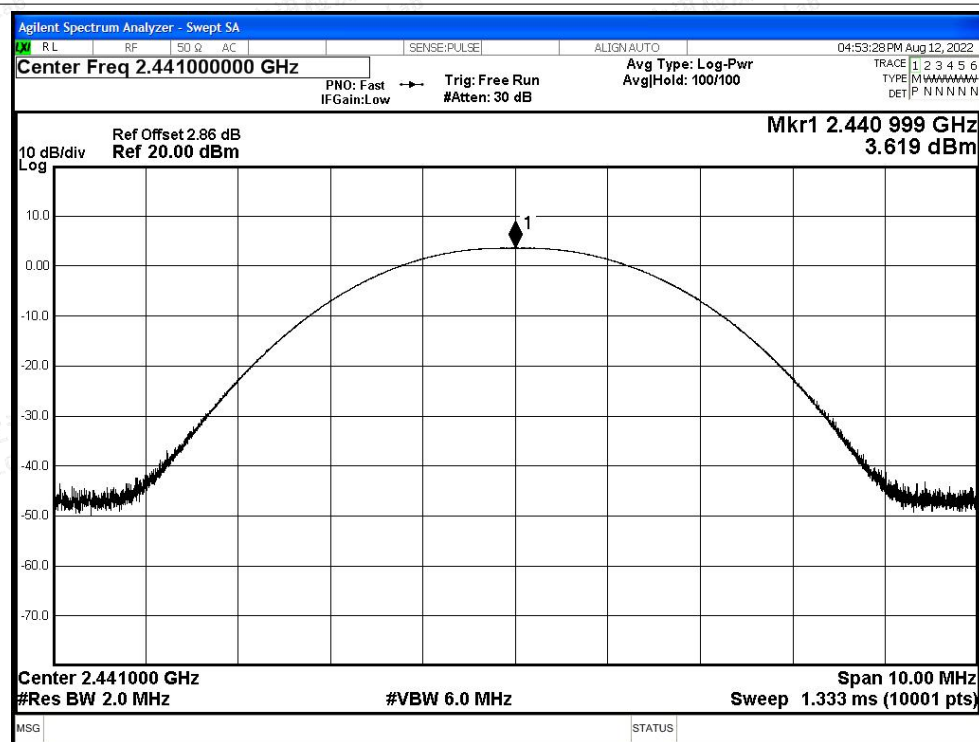


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1



Power NVNT 1-DH5 2441MHz Ant1

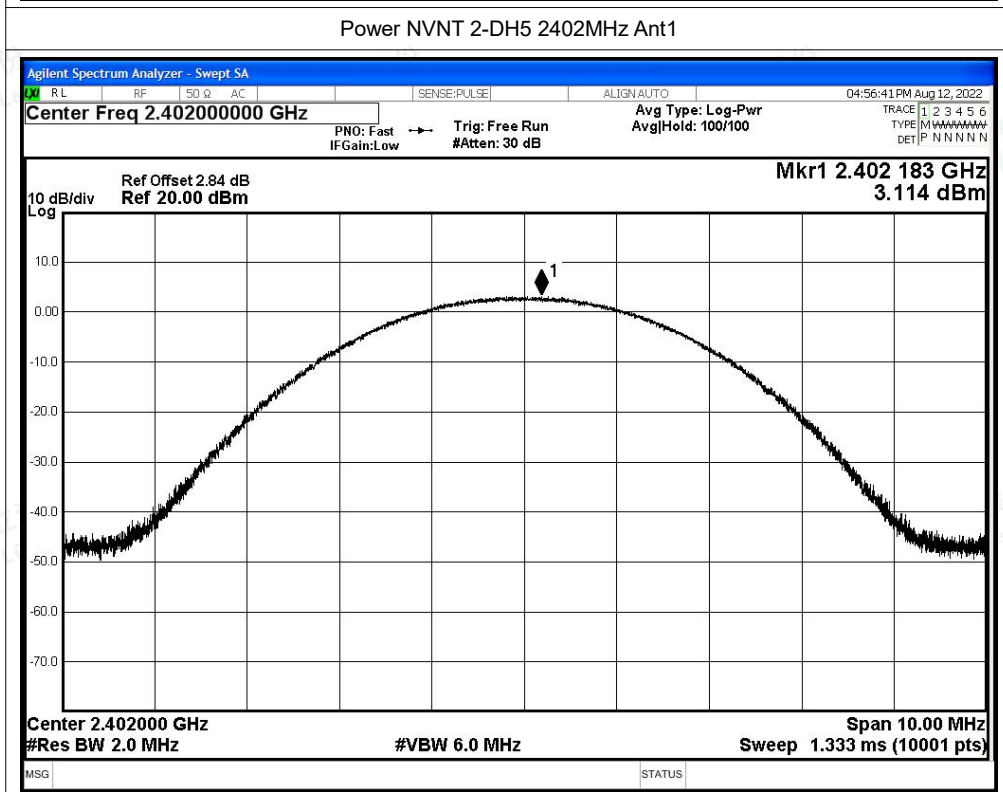
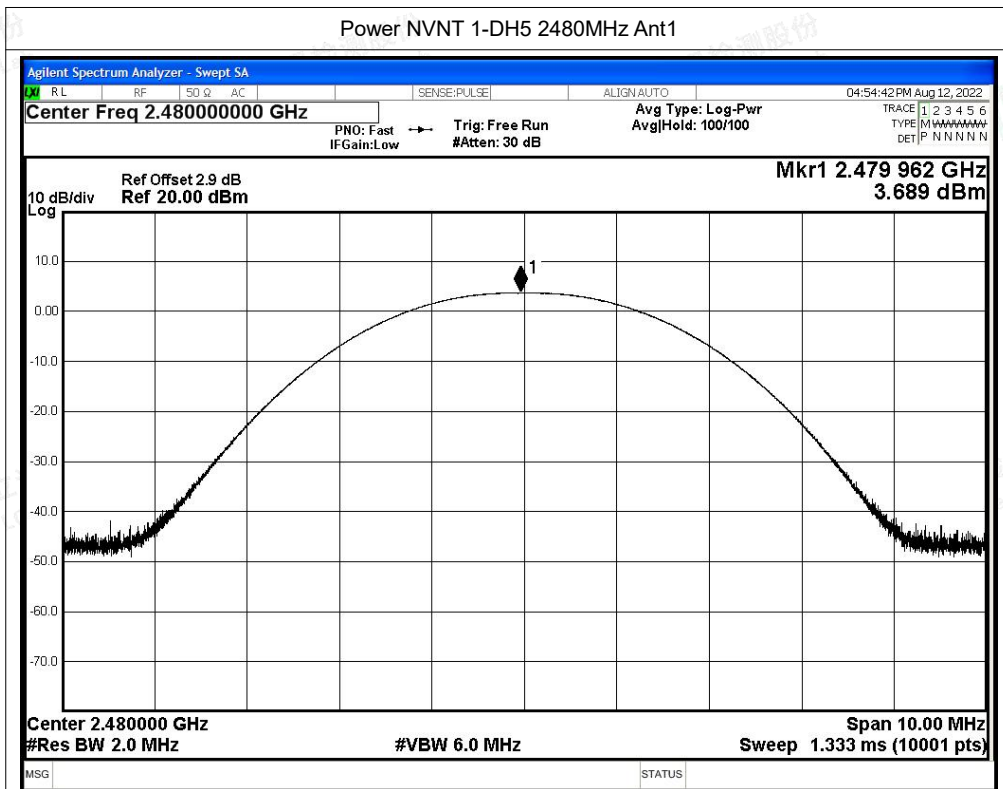


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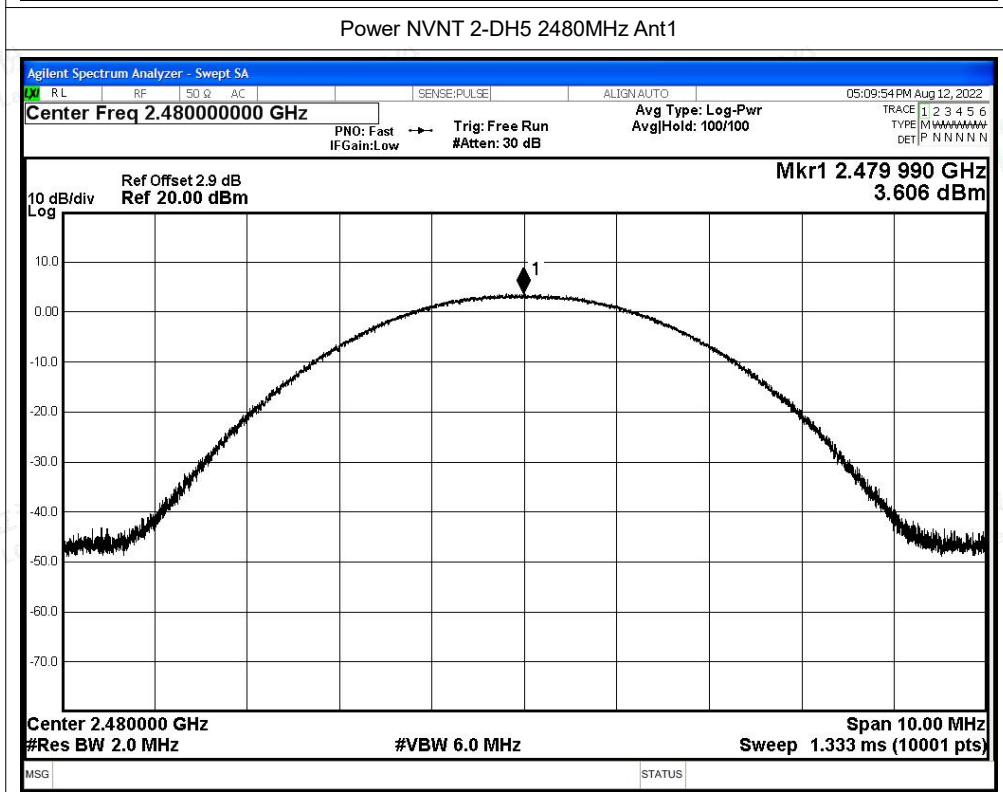
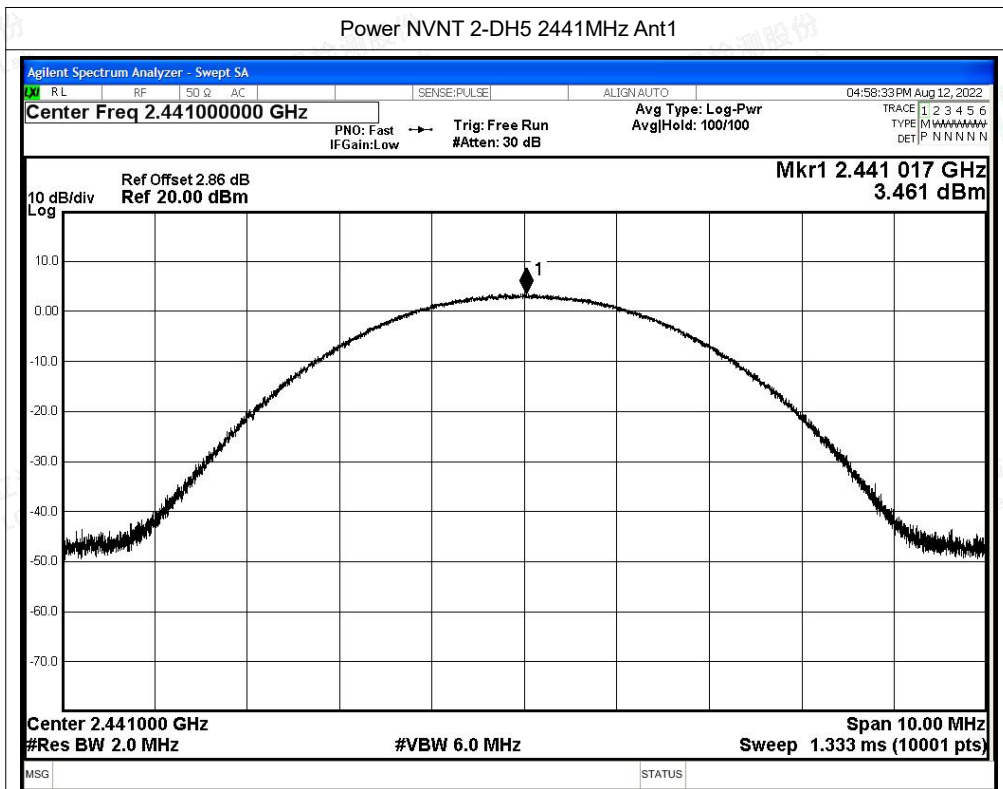


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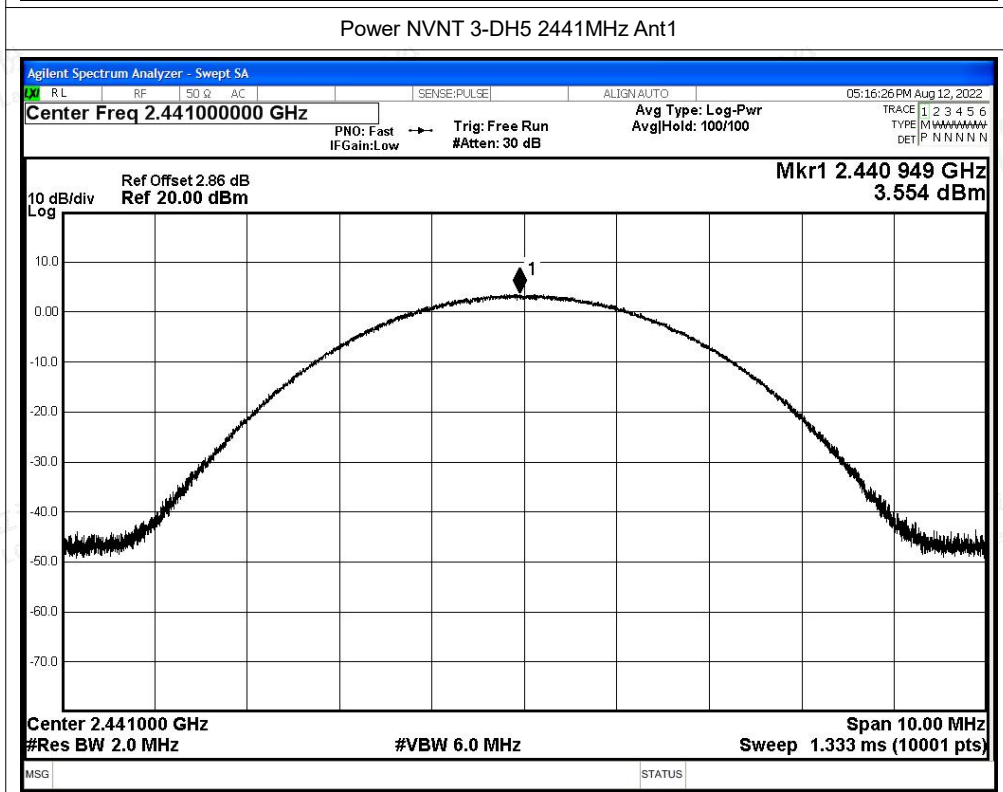
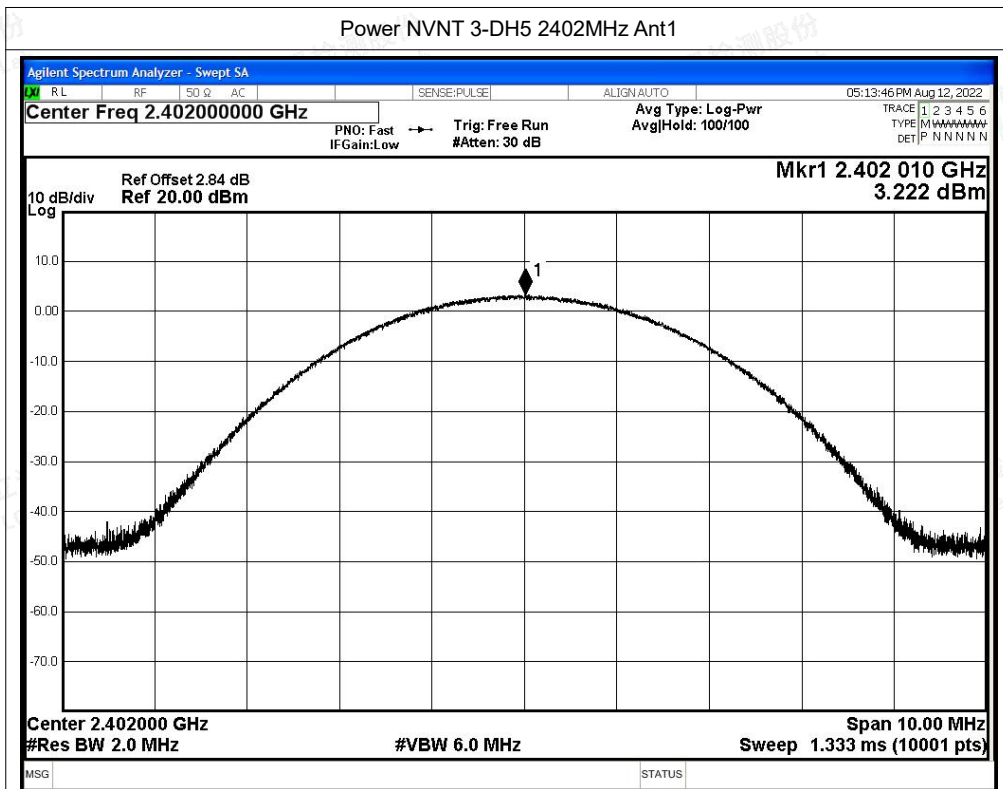


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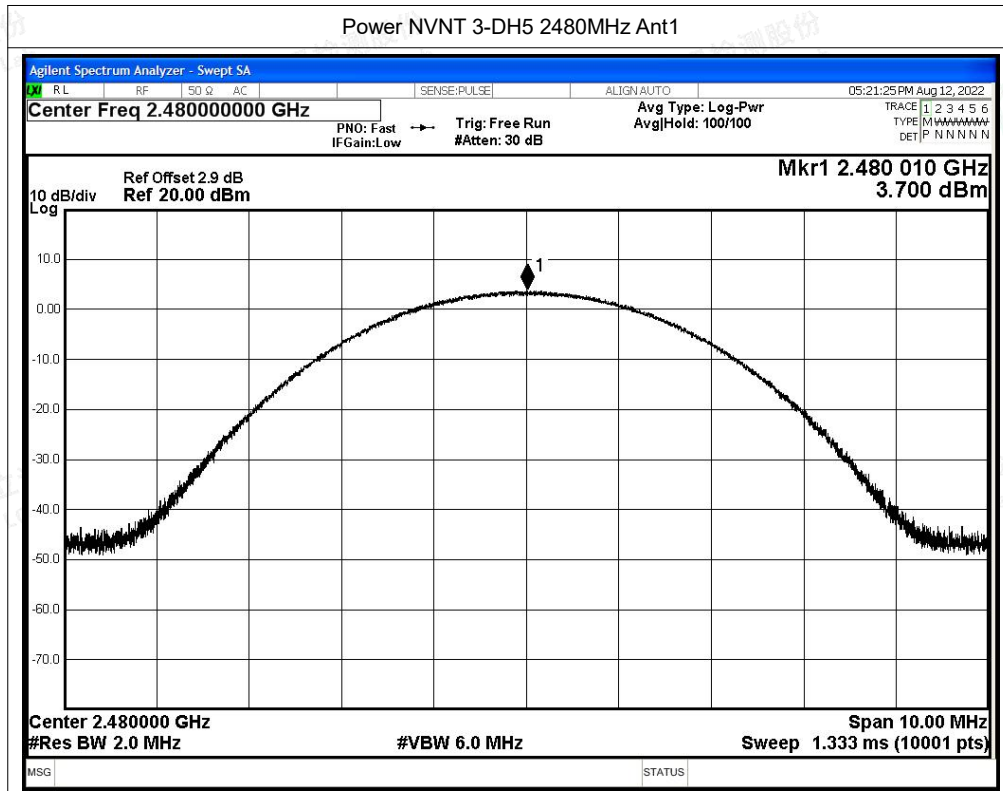


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A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.964	2403.008	1.044	0.686	Pass
NVNT	2-DH5	Ant1	2402.03	2403.002	0.972	0.857	Pass
NVNT	3-DH5	Ant1	2402.16	2403.12	0.96	0.875	Pass



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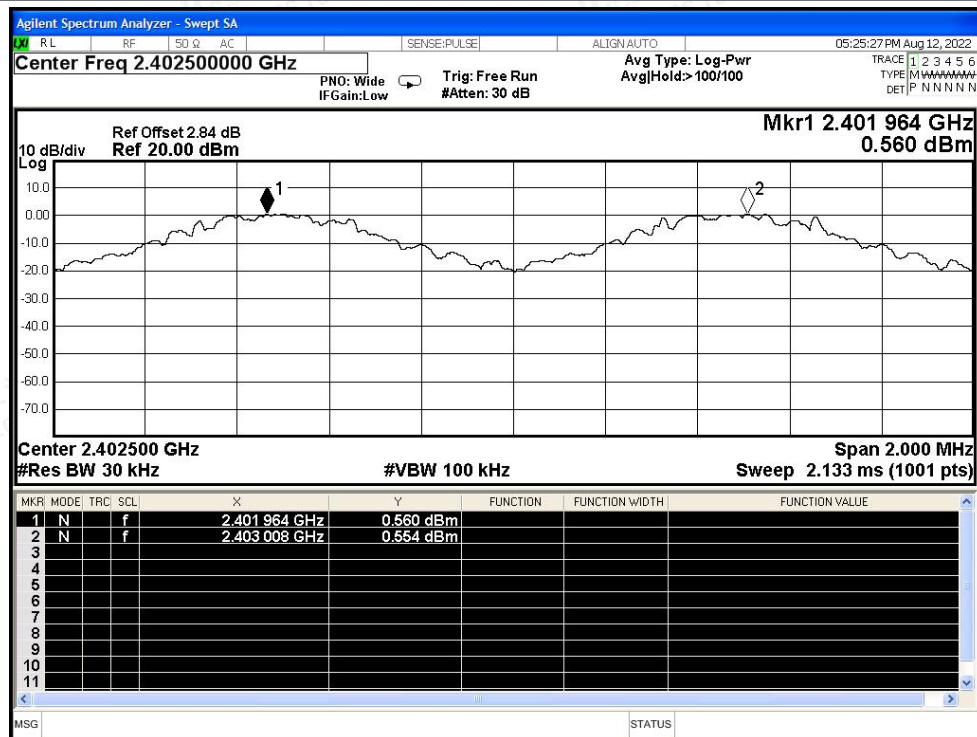
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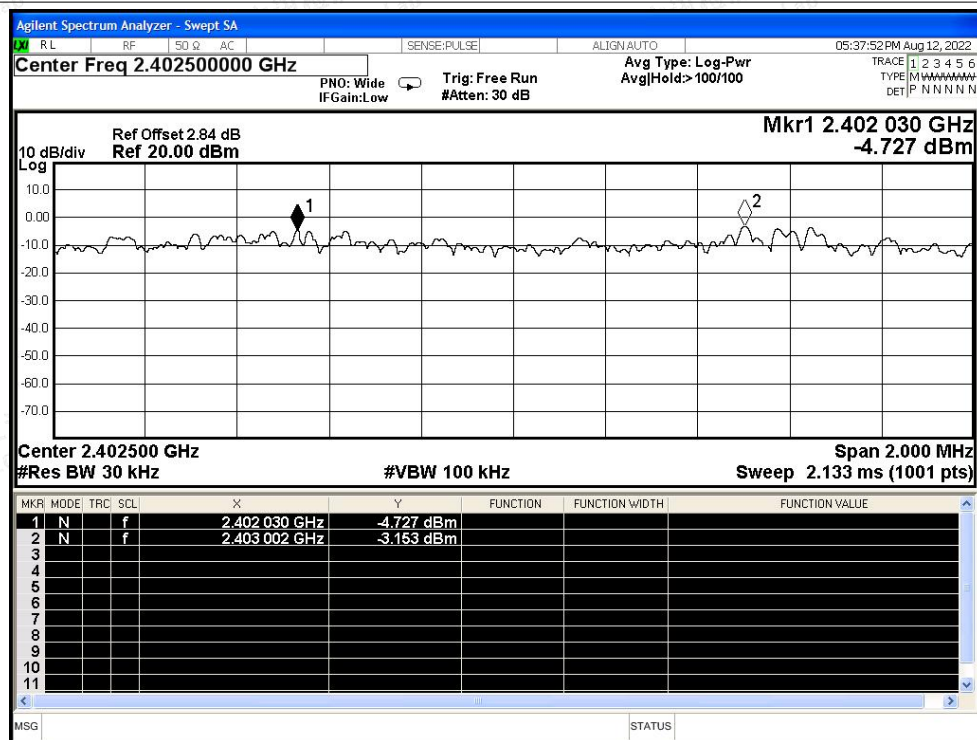


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1

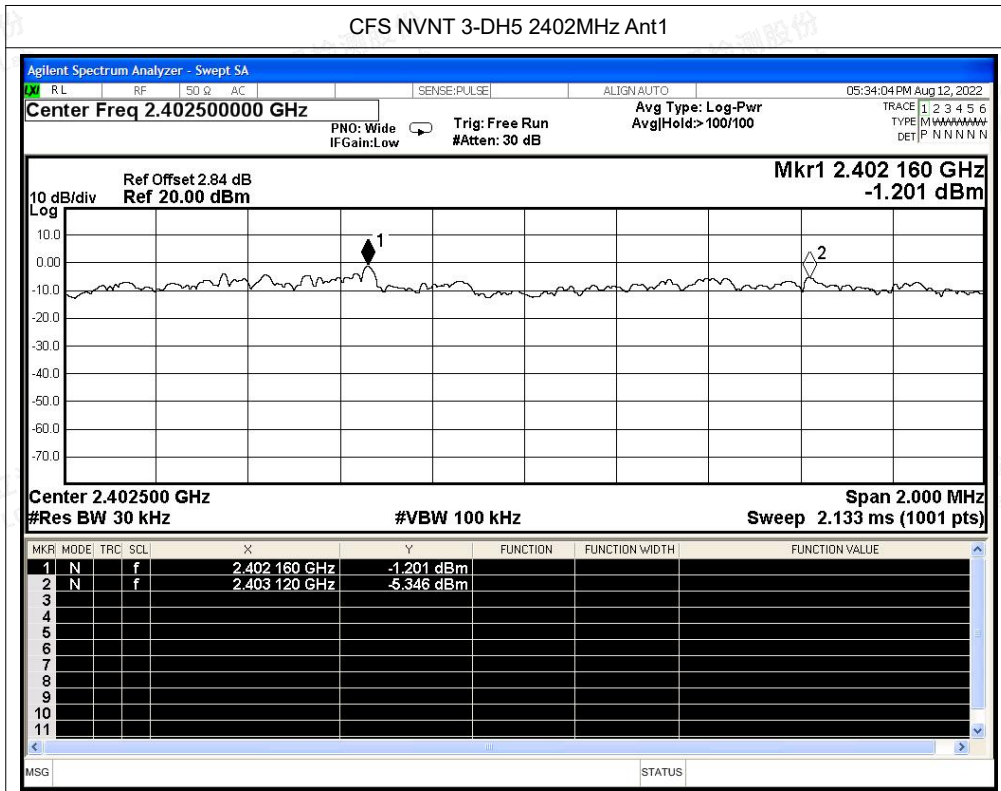


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A.5 Number of Hopping Channel

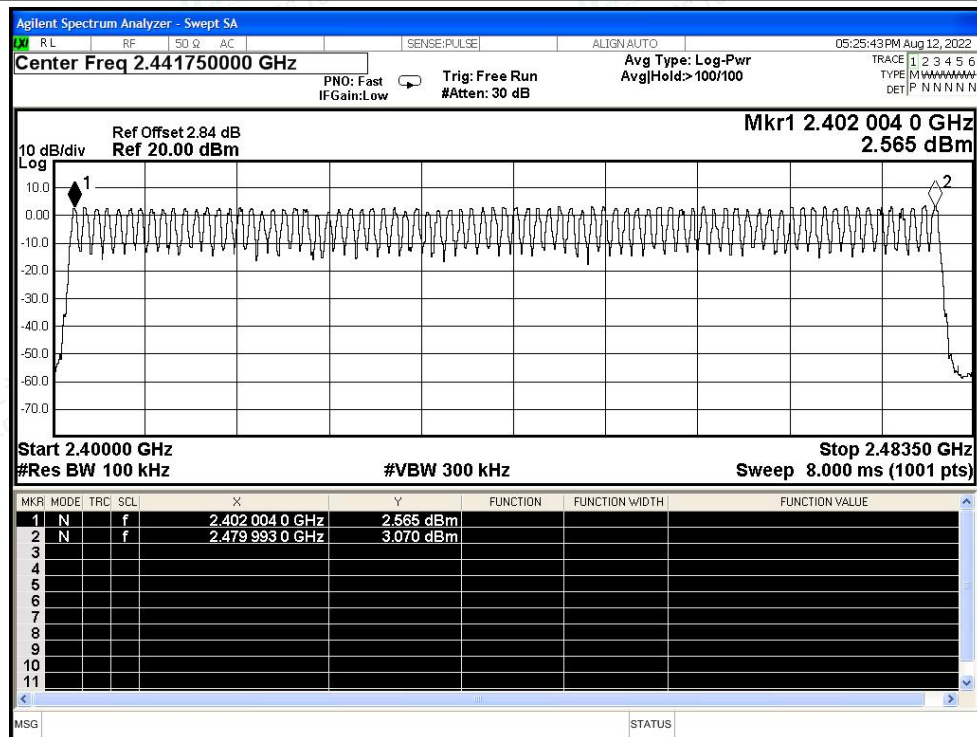
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



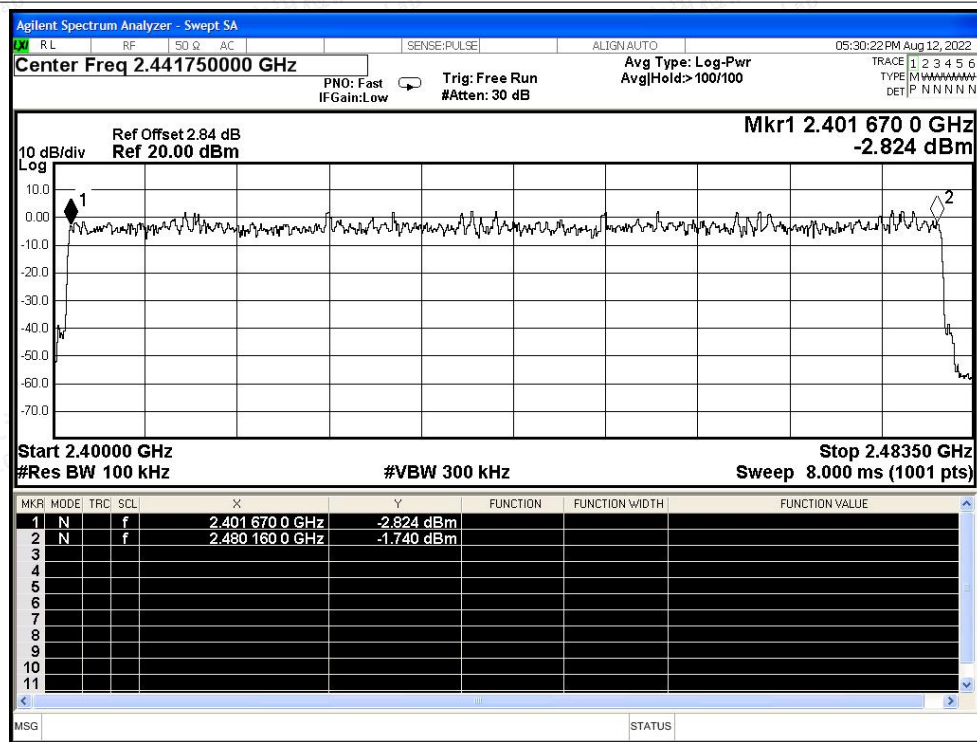


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1

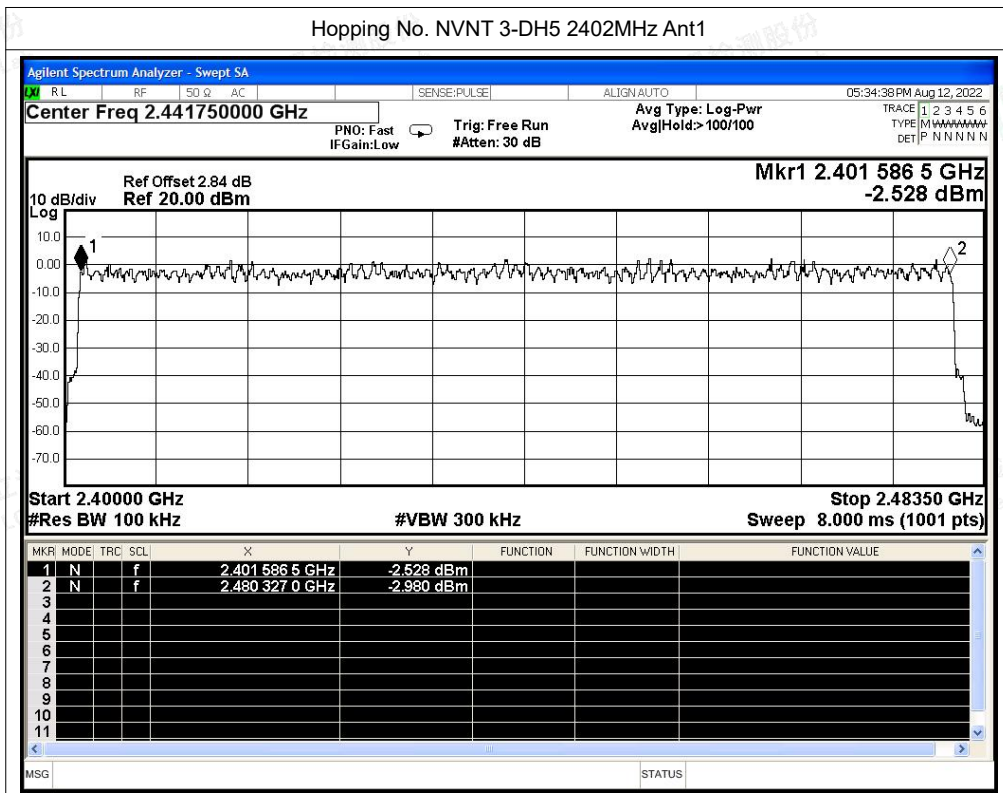


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A.4 Dwell Time

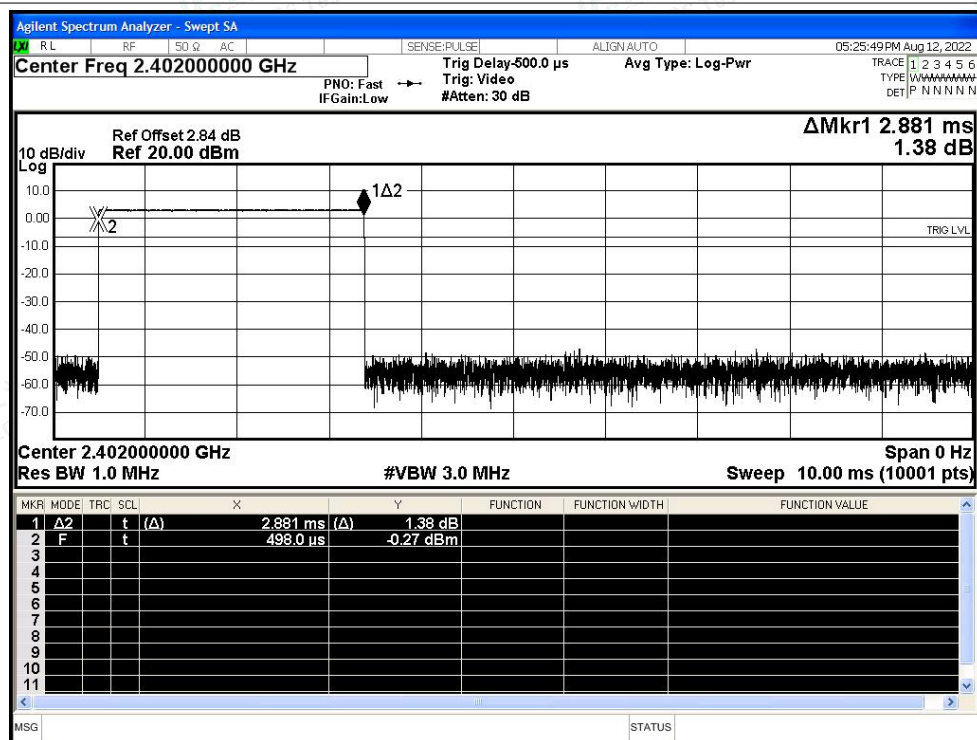
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.881	290.981	101	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.88	302.4	105	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.886	274.17	95	31600	400	Pass



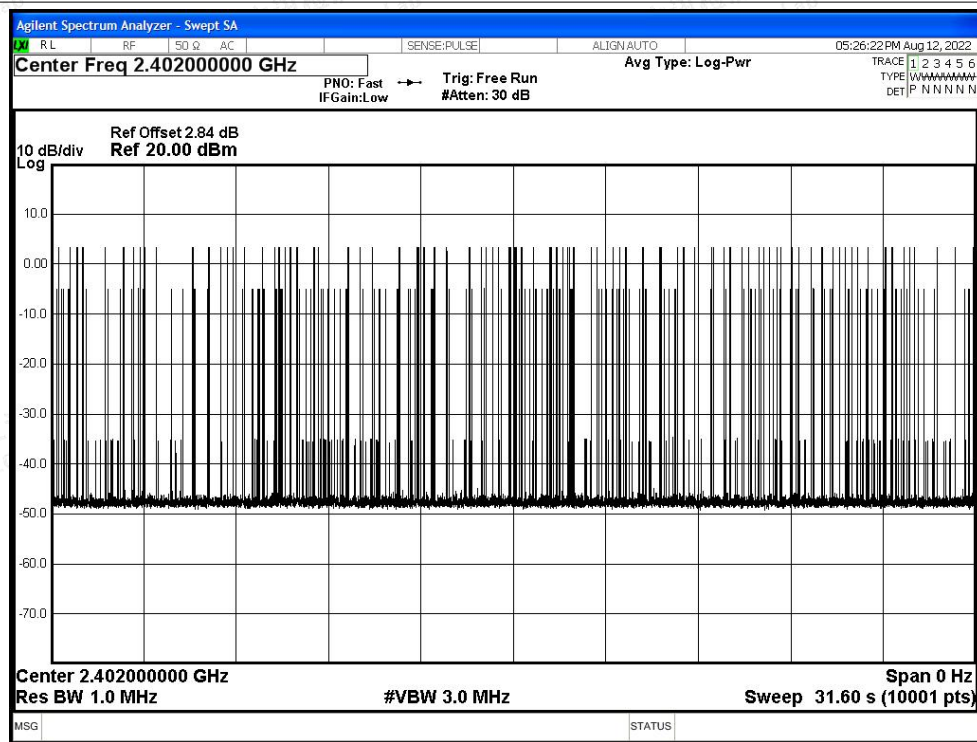


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

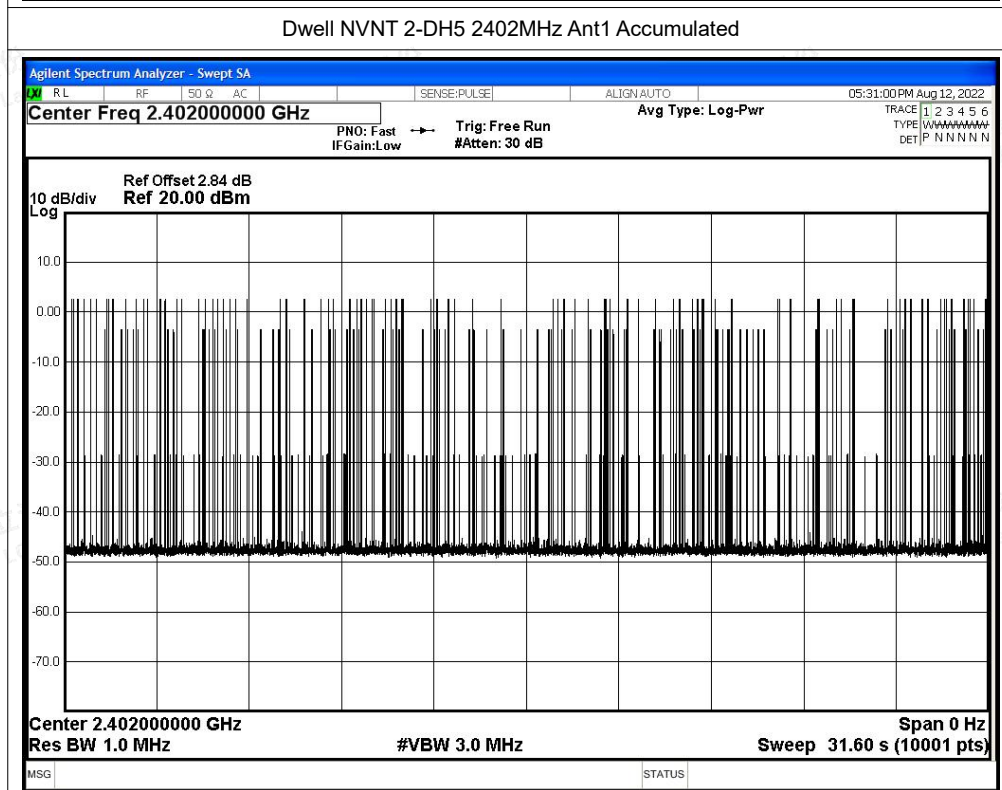
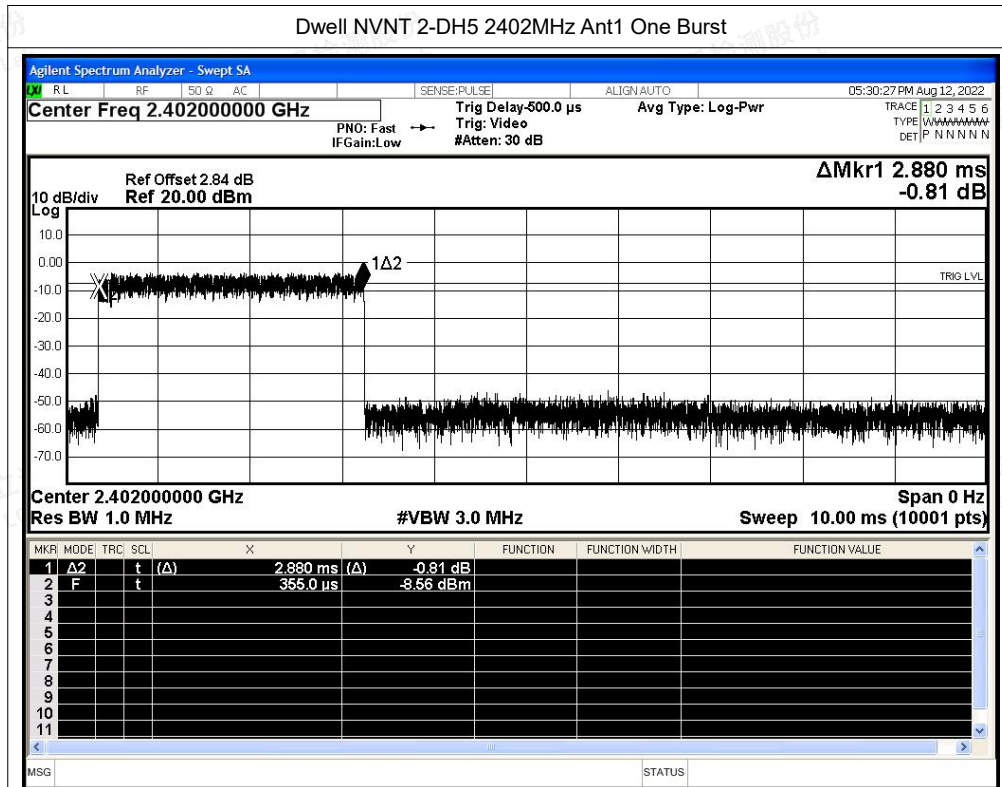


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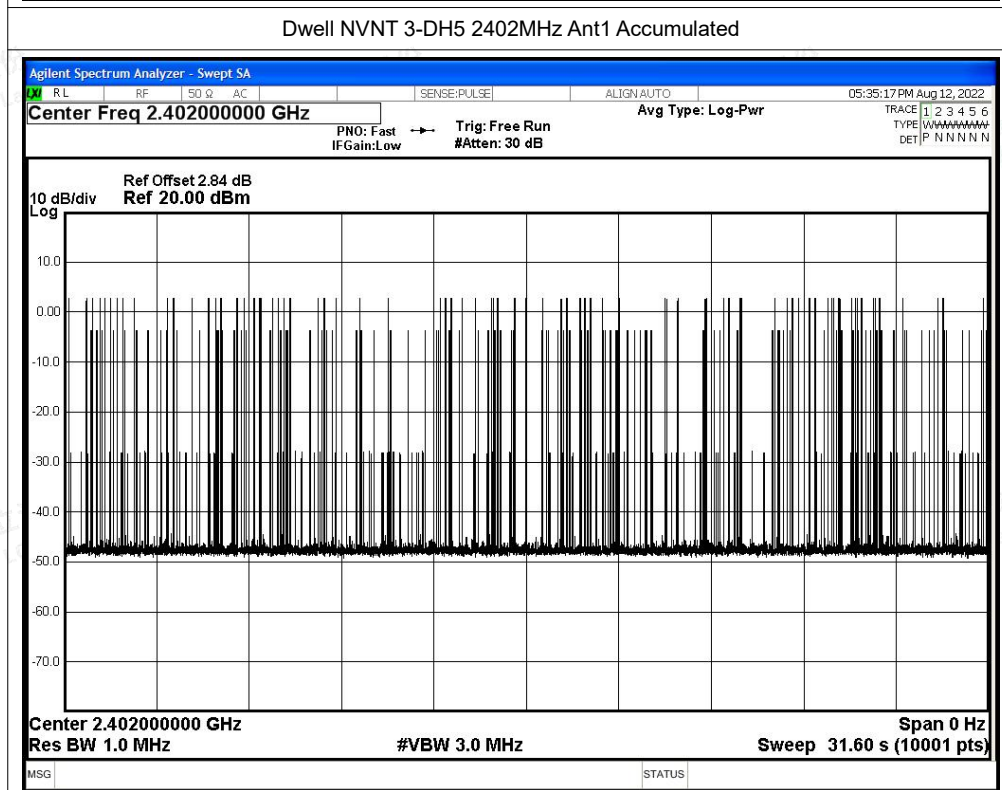
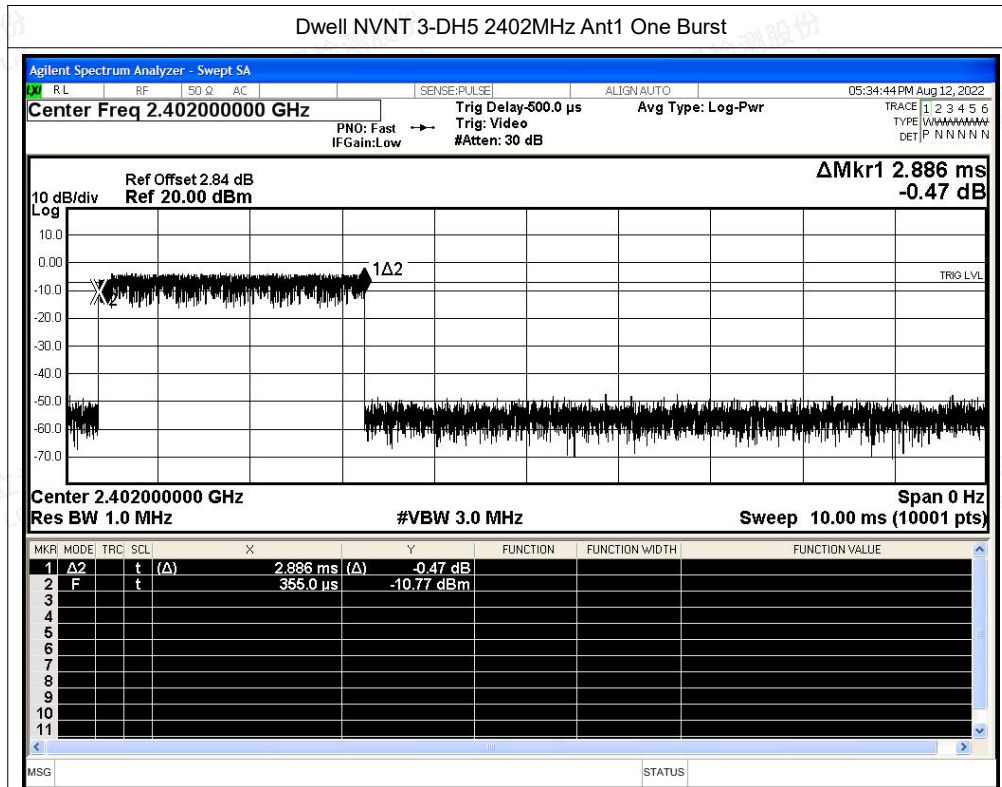


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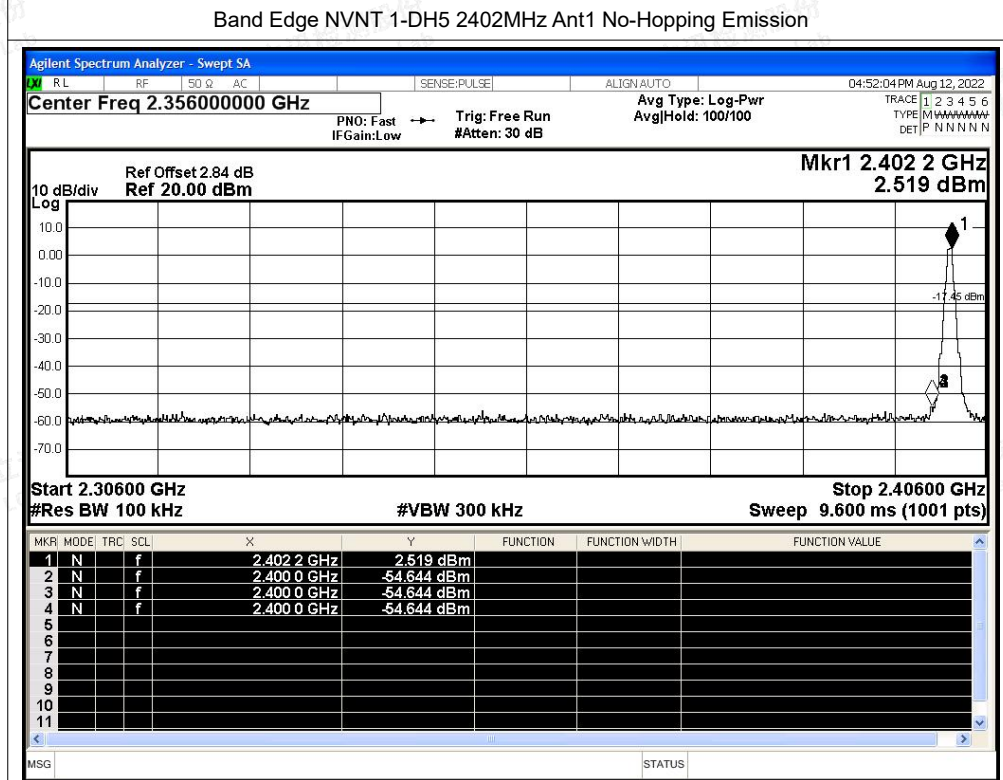
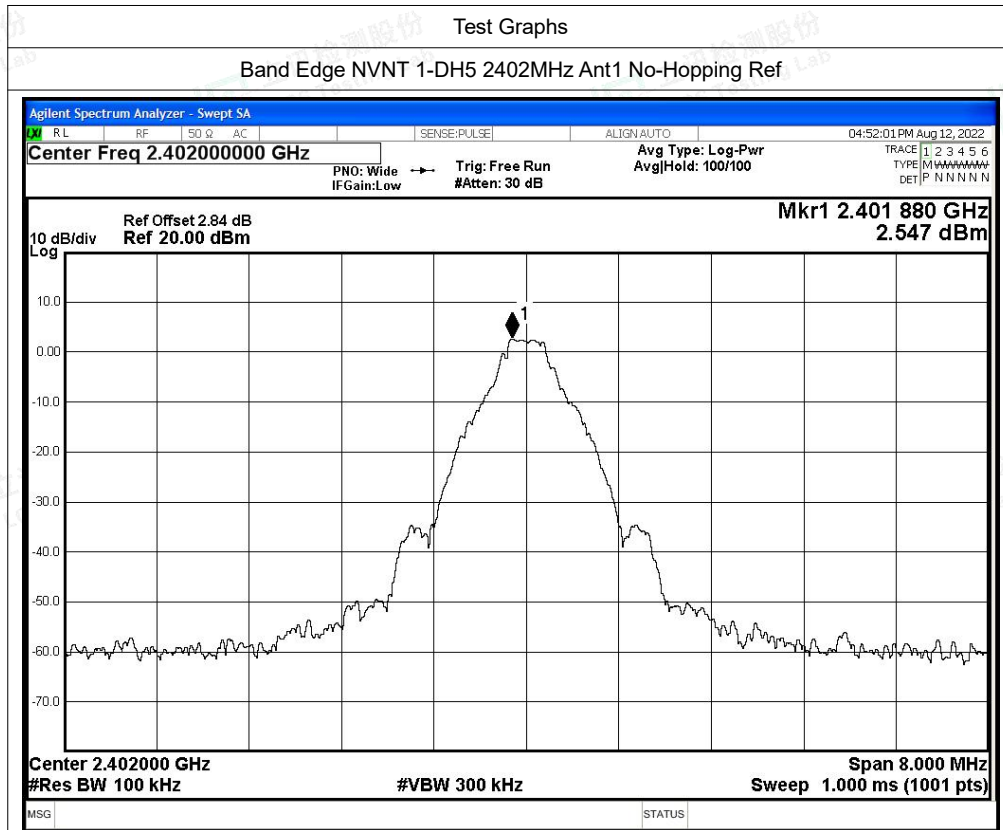
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A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-57.19	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-58.97	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-54.29	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-58.1	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-51.64	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-58.82	-20	Pass



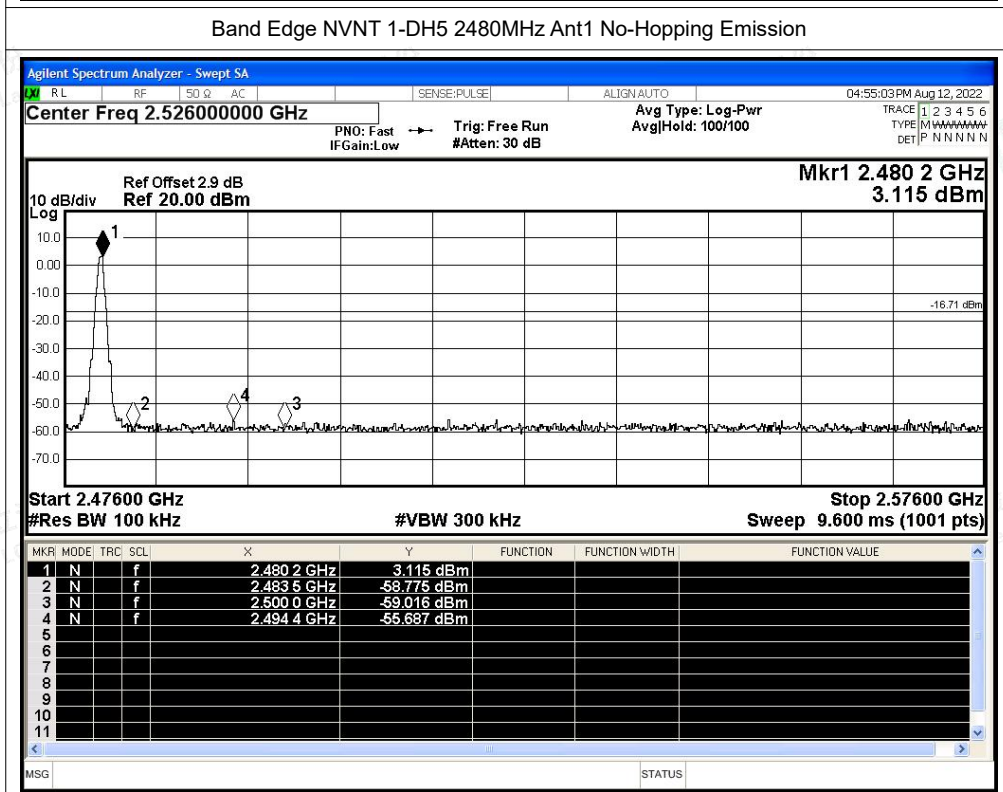
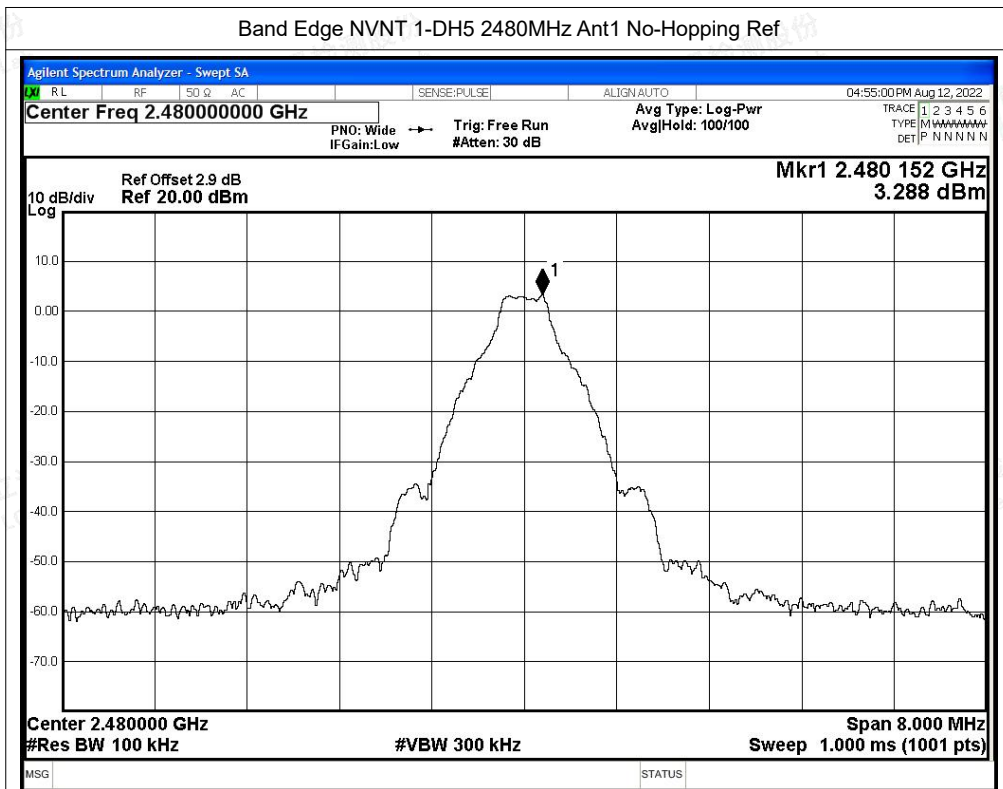


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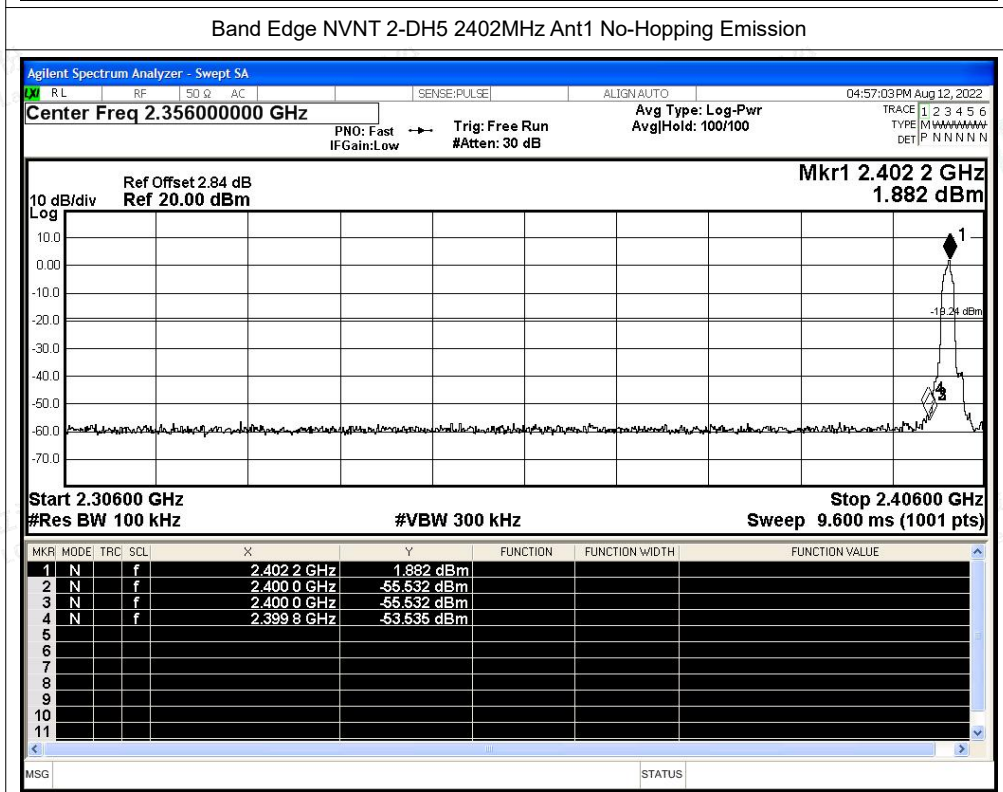
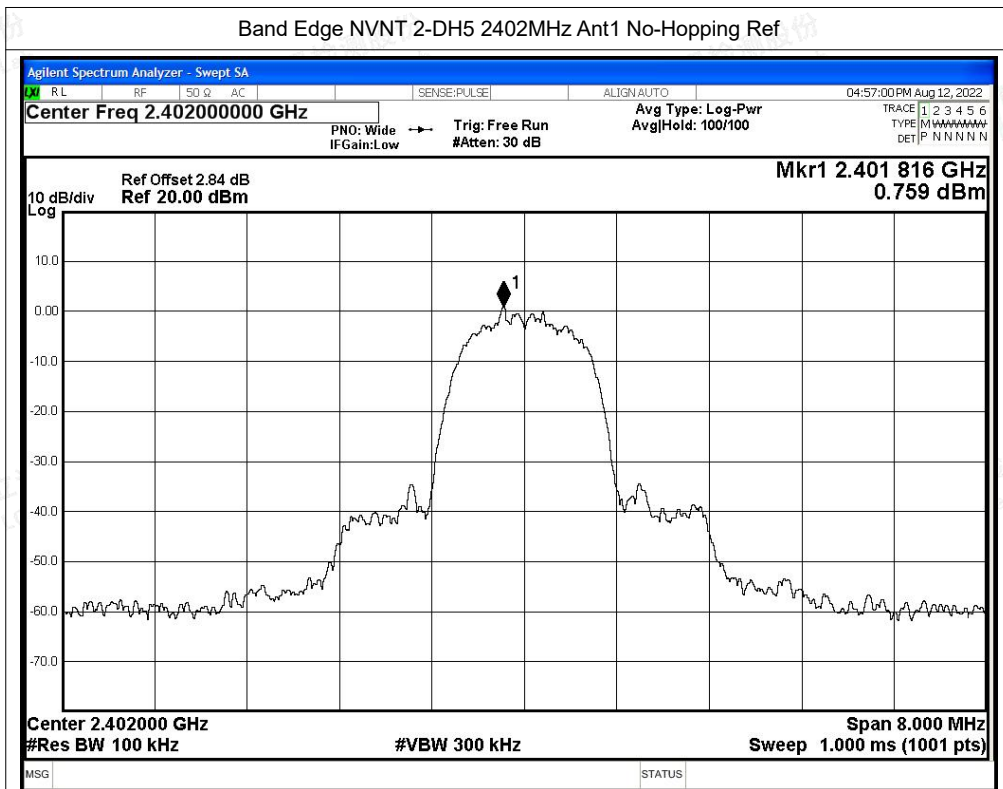


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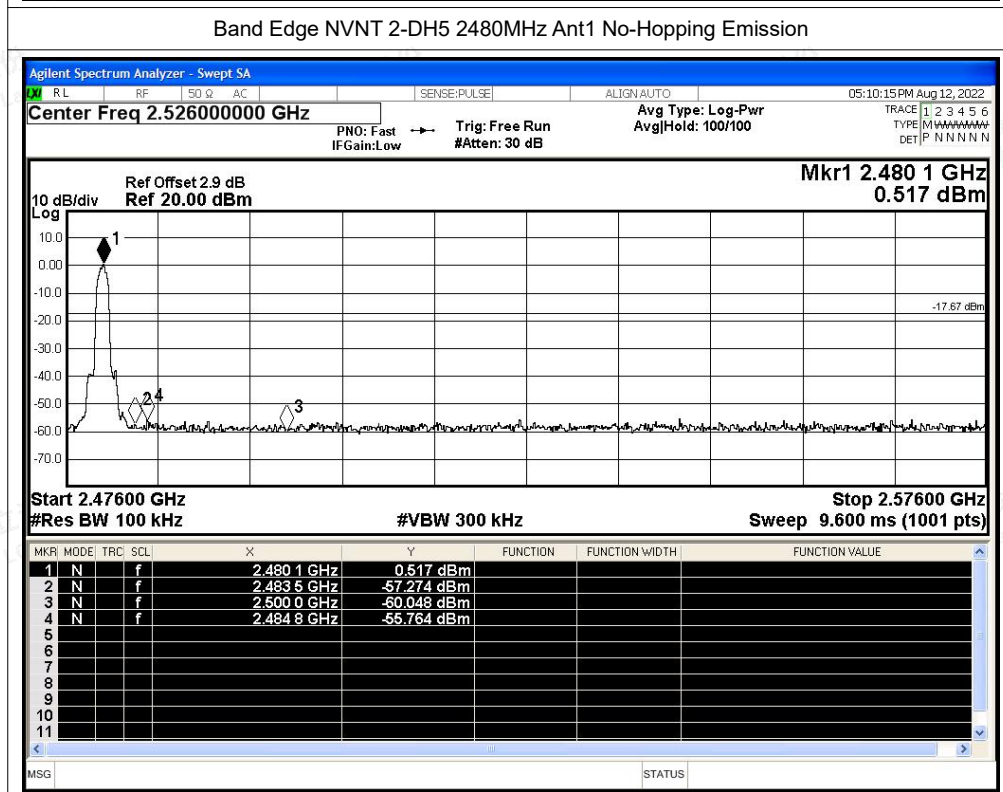
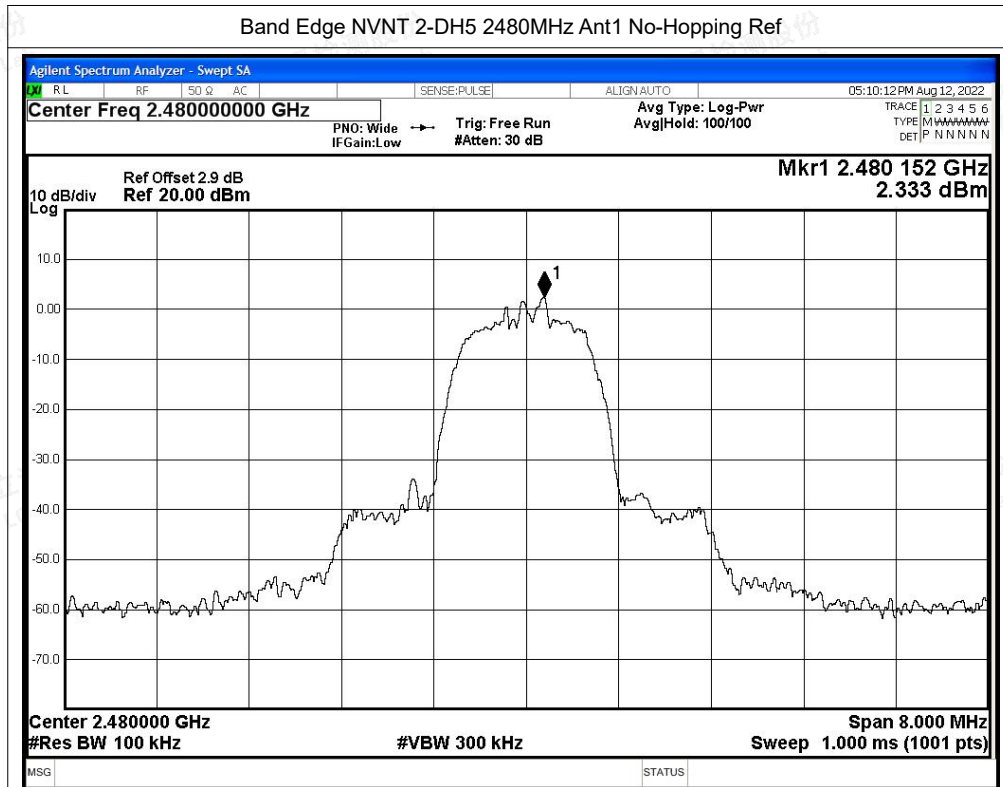


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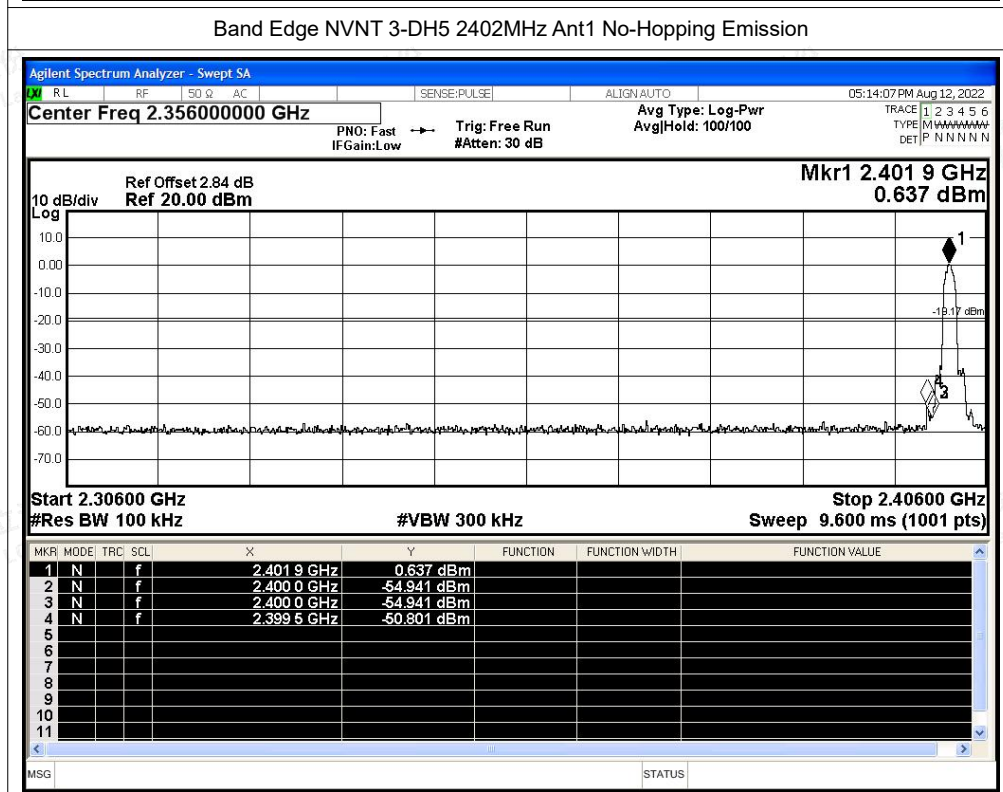
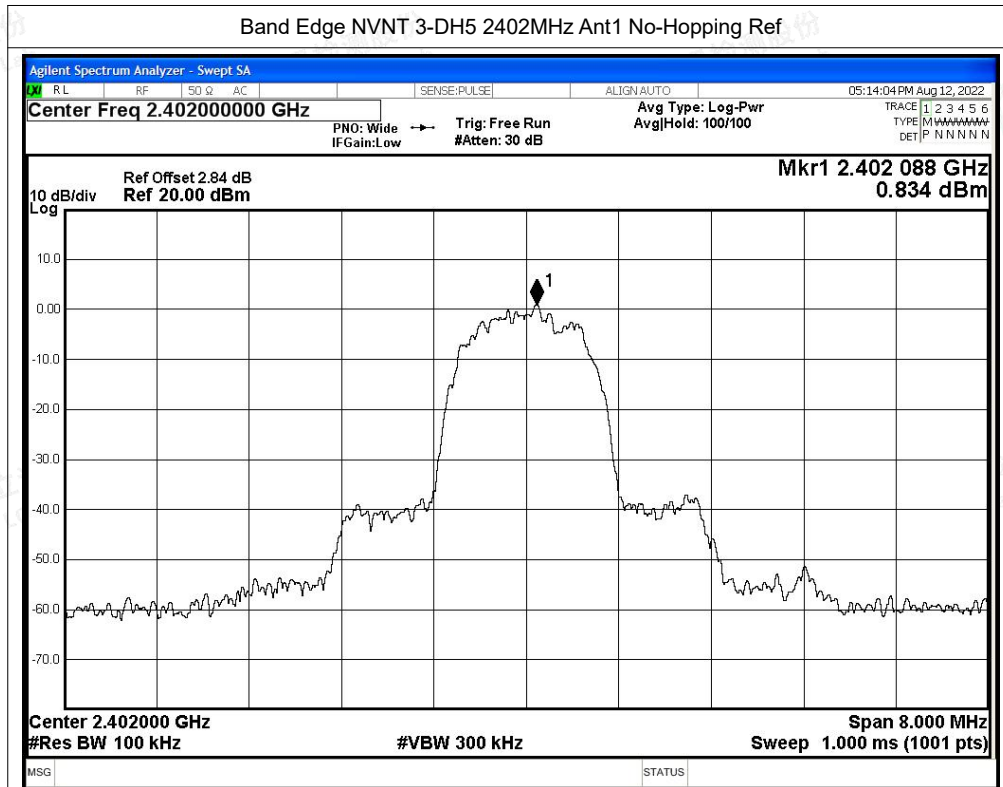


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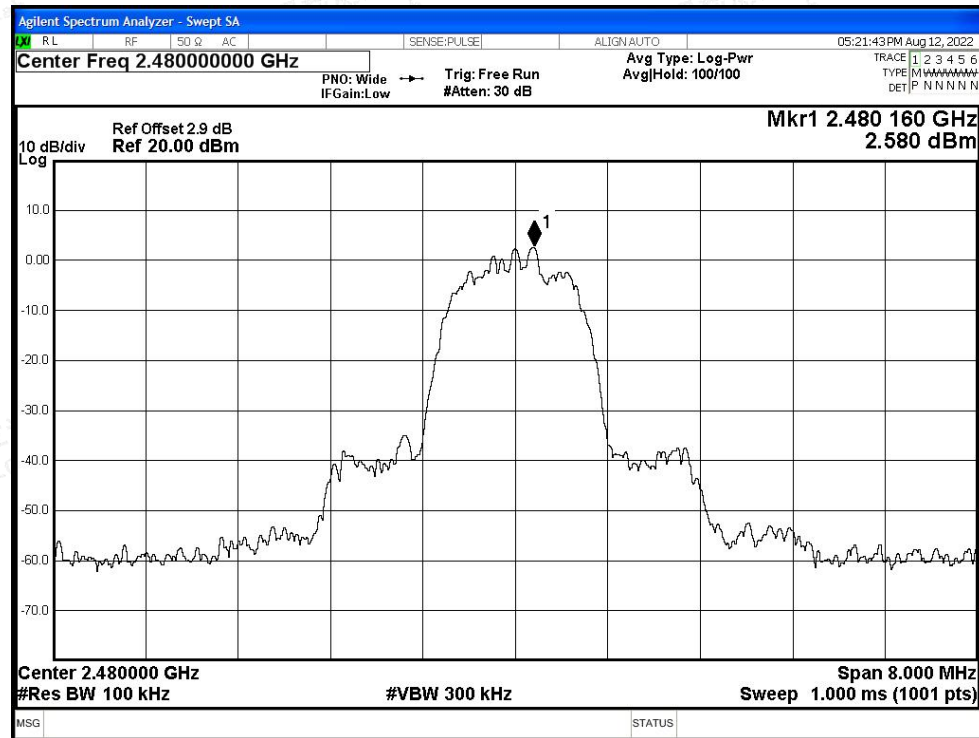
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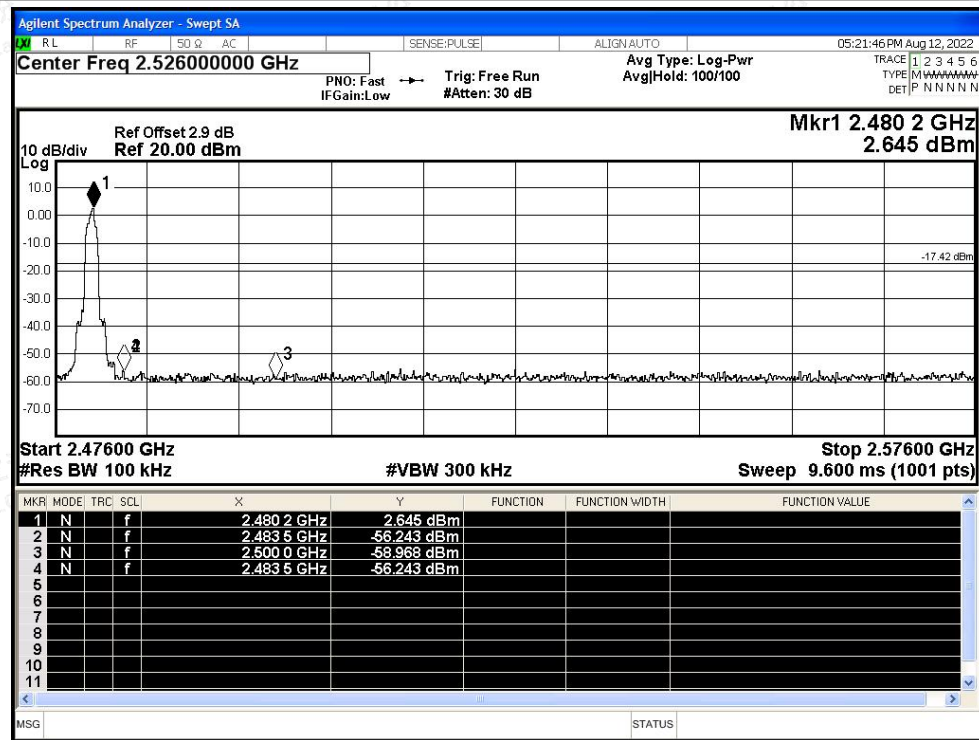
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Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



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



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(Hopping)

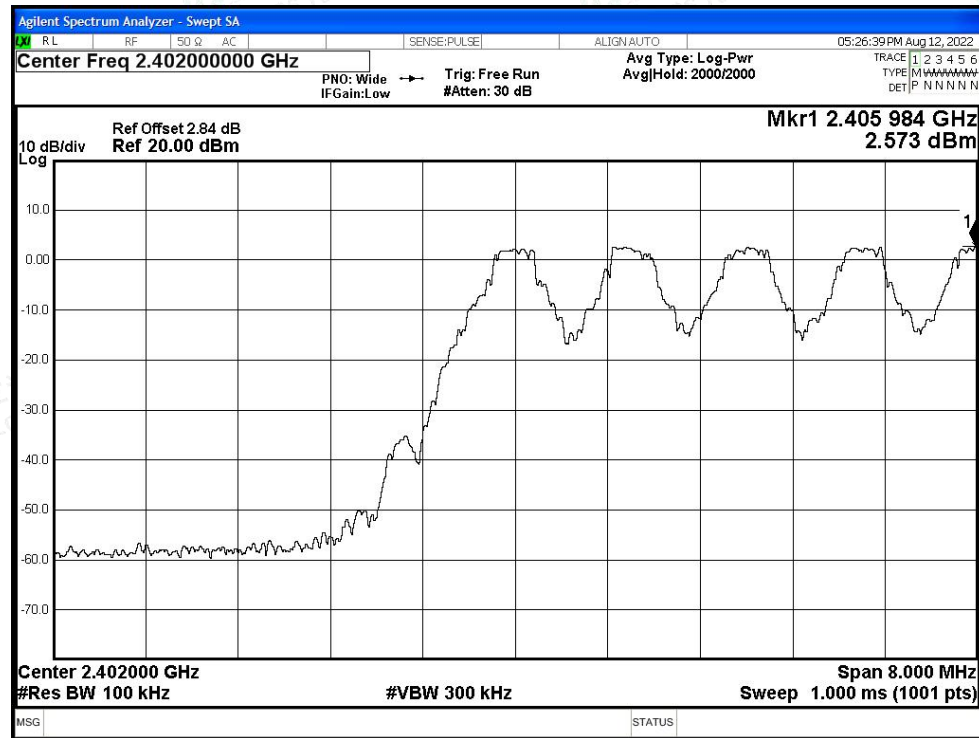
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-58.3	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-58.37	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-55.08	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-57.81	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-57.23	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-57.86	-20	Pass



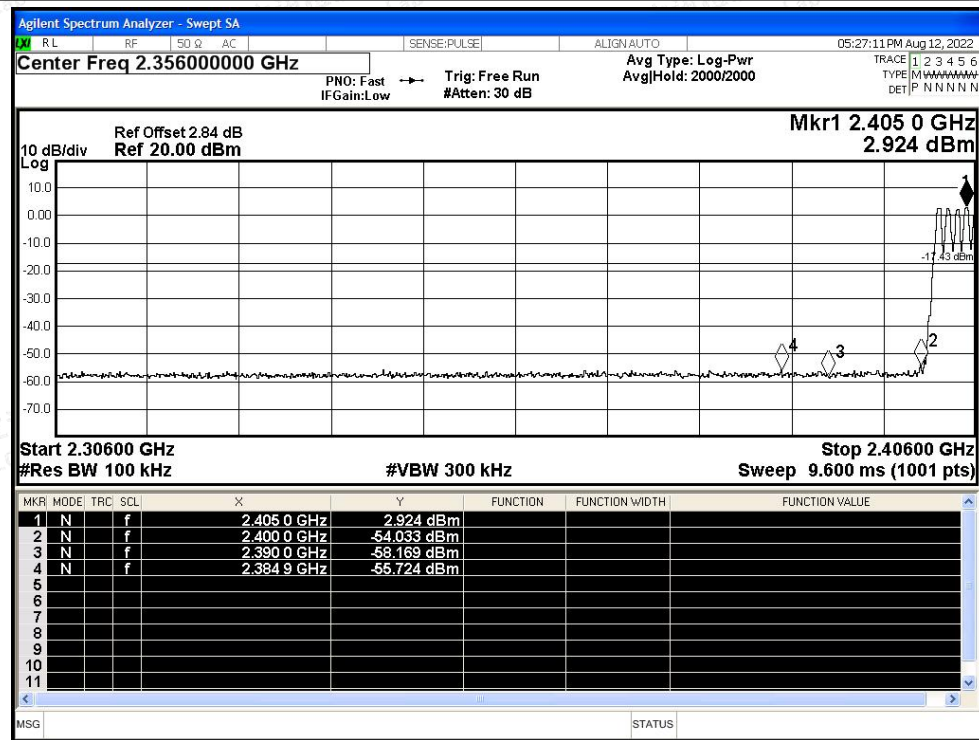


Test Graphs

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



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



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