



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Smartphone cage type LED light

Test Model: RGB-A111

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling 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	0.963	0	Pass
NVNT	1-DH5	2441	Ant1	1.022	0	Pass
NVNT	1-DH5	2480	Ant1	1.022	0	Pass
NVNT	2-DH5	2402	Ant1	1.316	0	Pass
NVNT	2-DH5	2441	Ant1	1.279	0	Pass
NVNT	2-DH5	2480	Ant1	1.287	0	Pass
NVNT	3-DH5	2402	Ant1	1.292	0	Pass
NVNT	3-DH5	2441	Ant1	1.266	0	Pass
NVNT	3-DH5	2480	Ant1	1.299	0	Pass



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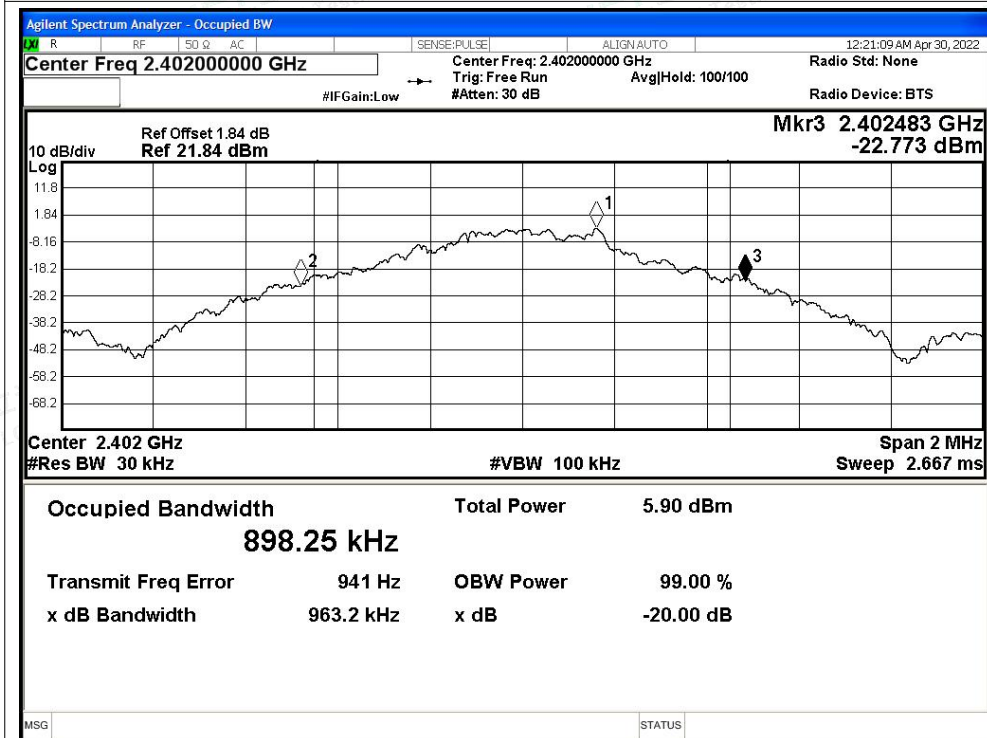
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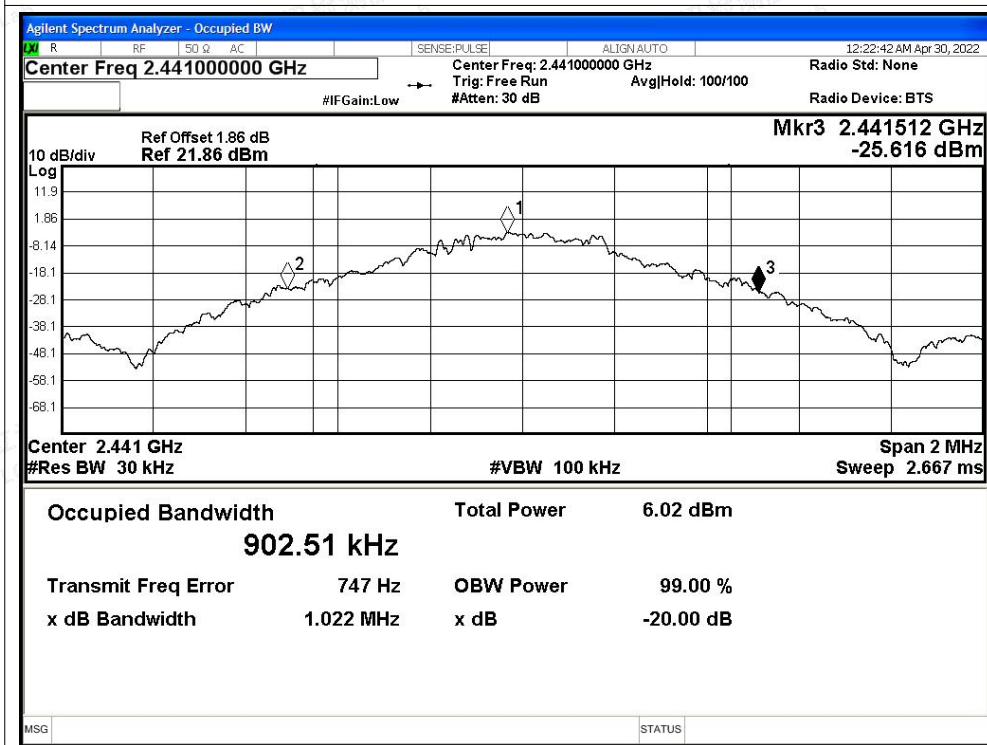


Test Graphs

20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



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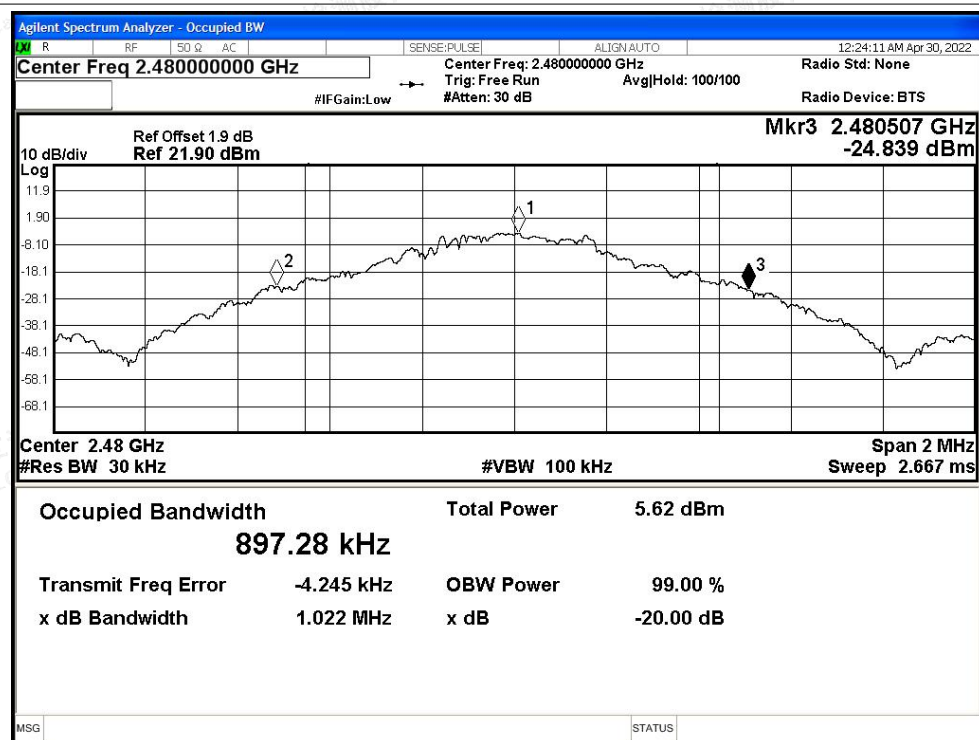
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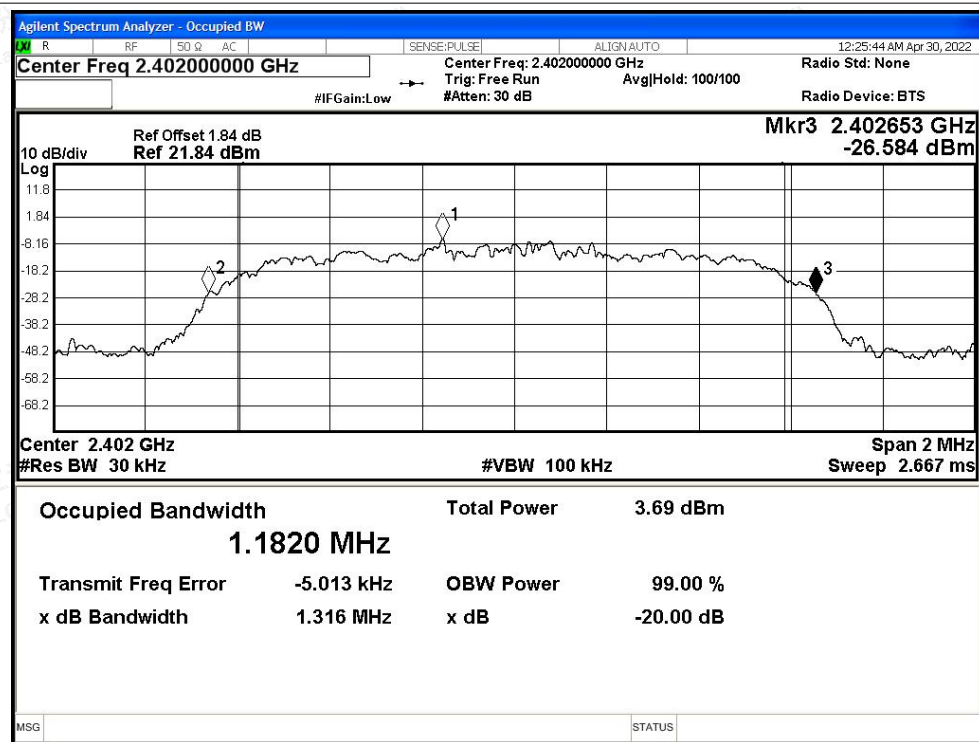
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20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



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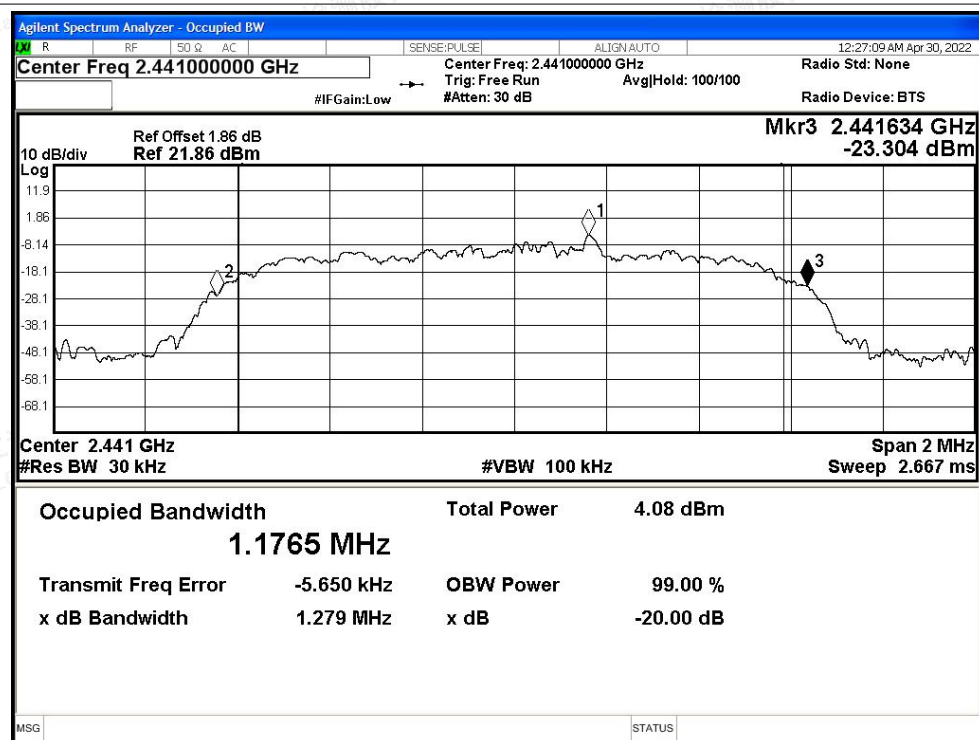
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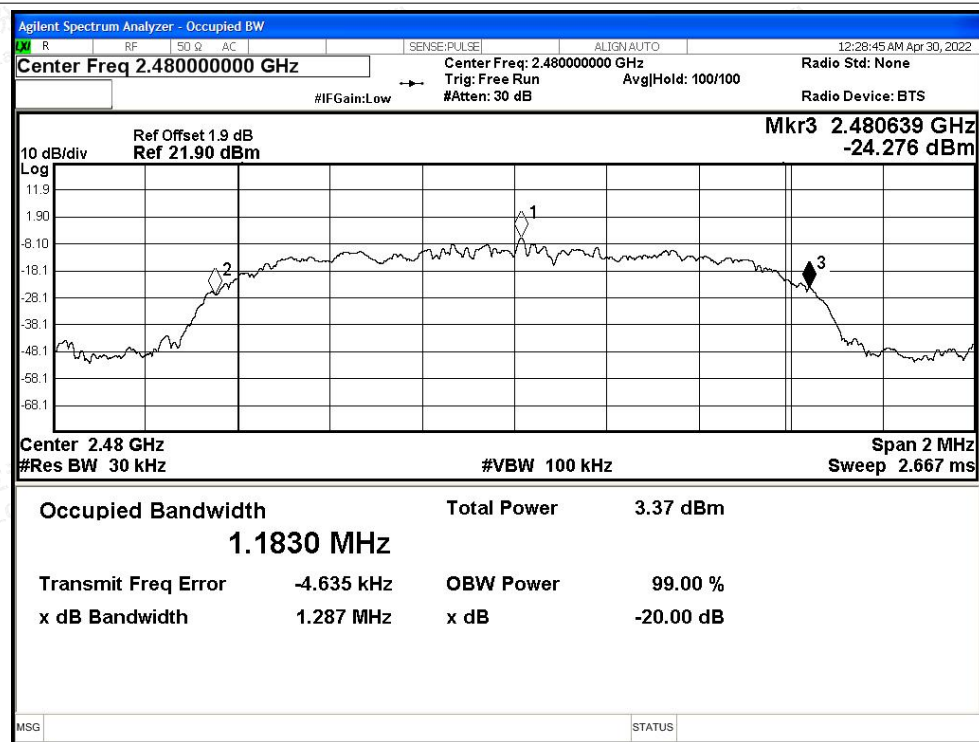
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20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



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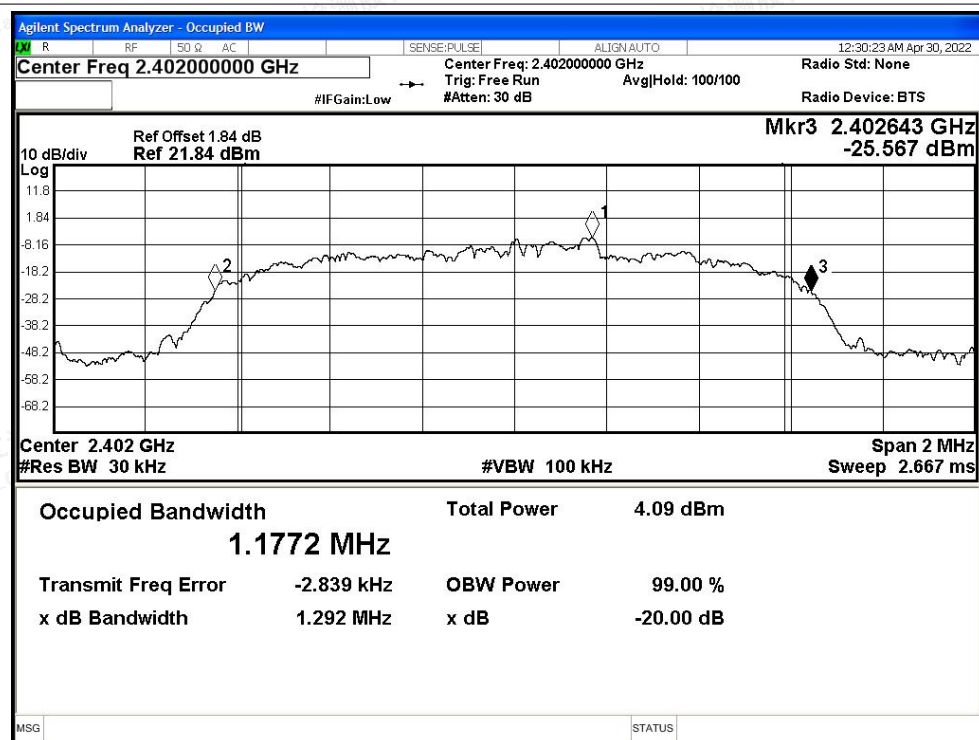
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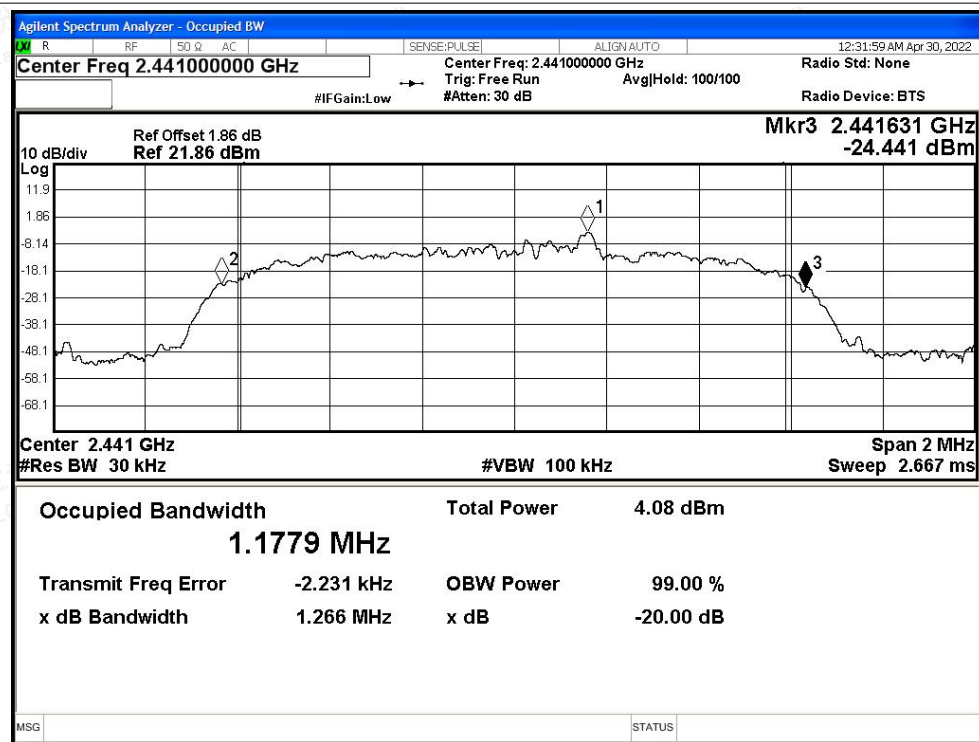
Scan code to check authenticity



20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



20dB Bandwidth NVNT 3-DH5 2441MHz Ant1

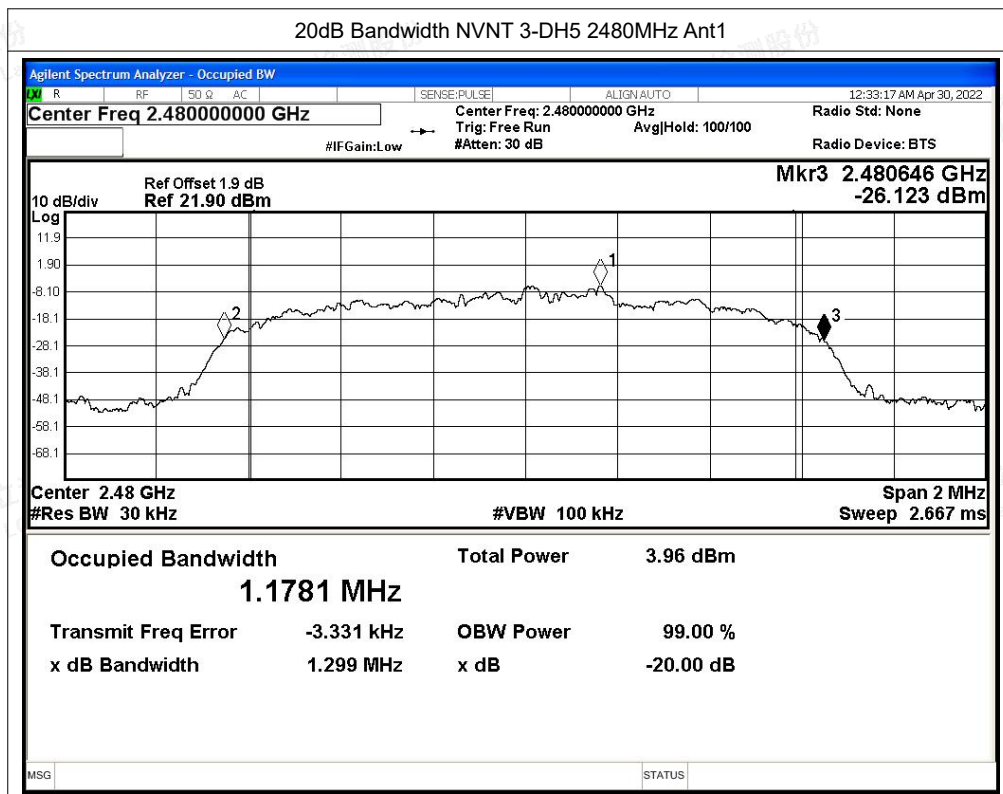


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A.2 Occupied Channel Bandwidth

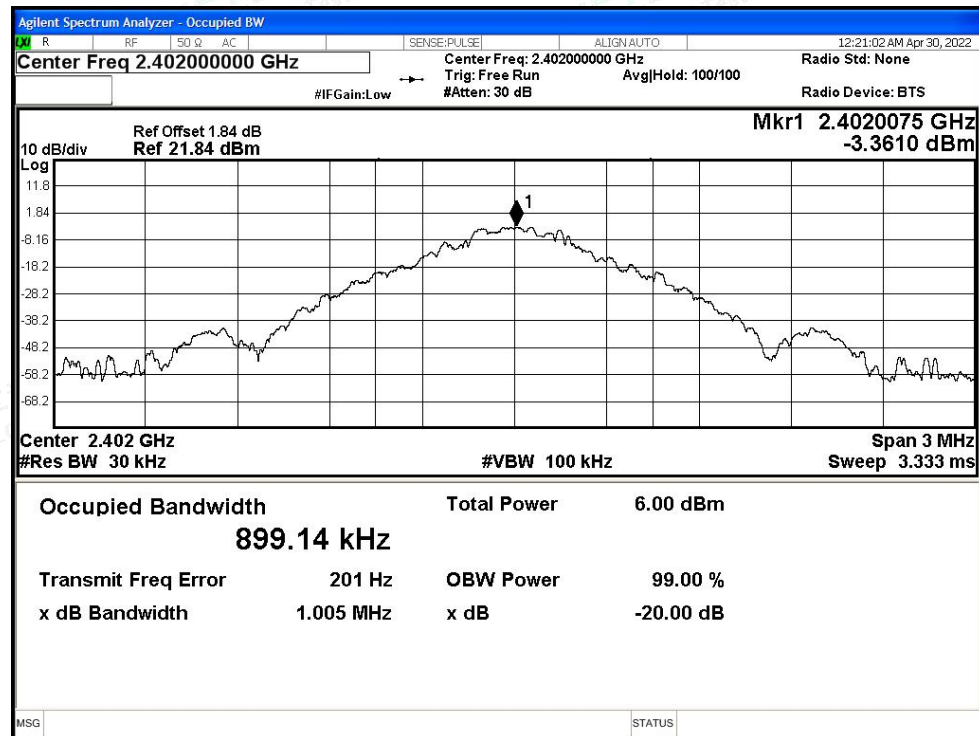
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.899
NVNT	1-DH5	2441	Ant1	0.914
NVNT	1-DH5	2480	Ant1	0.91
NVNT	2-DH5	2402	Ant1	1.186
NVNT	2-DH5	2441	Ant1	1.182
NVNT	2-DH5	2480	Ant1	1.179
NVNT	3-DH5	2402	Ant1	1.184
NVNT	3-DH5	2441	Ant1	1.173
NVNT	3-DH5	2480	Ant1	1.185



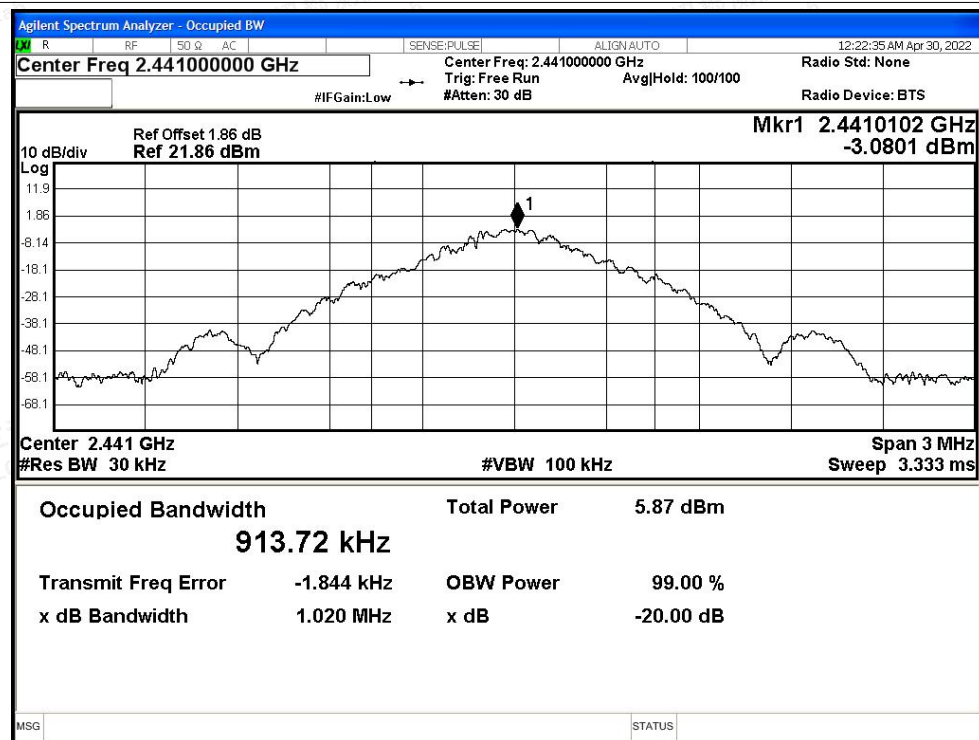


Test Graphs

OBW NVNT 1-DH5 2402MHz Ant1



OBW NVNT 1-DH5 2441MHz Ant1



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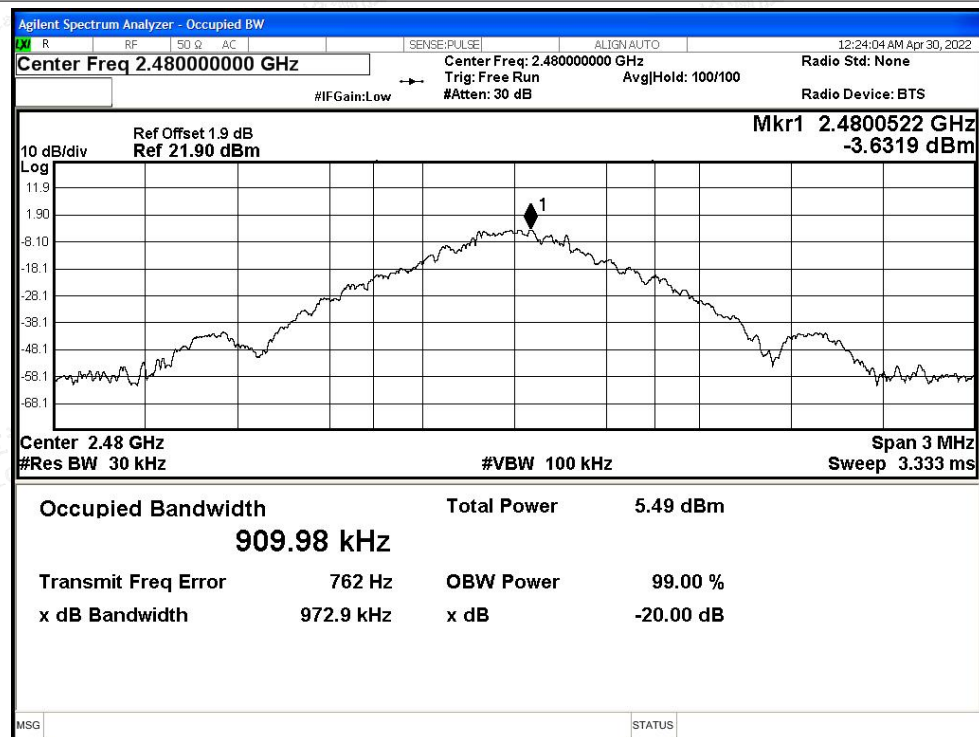
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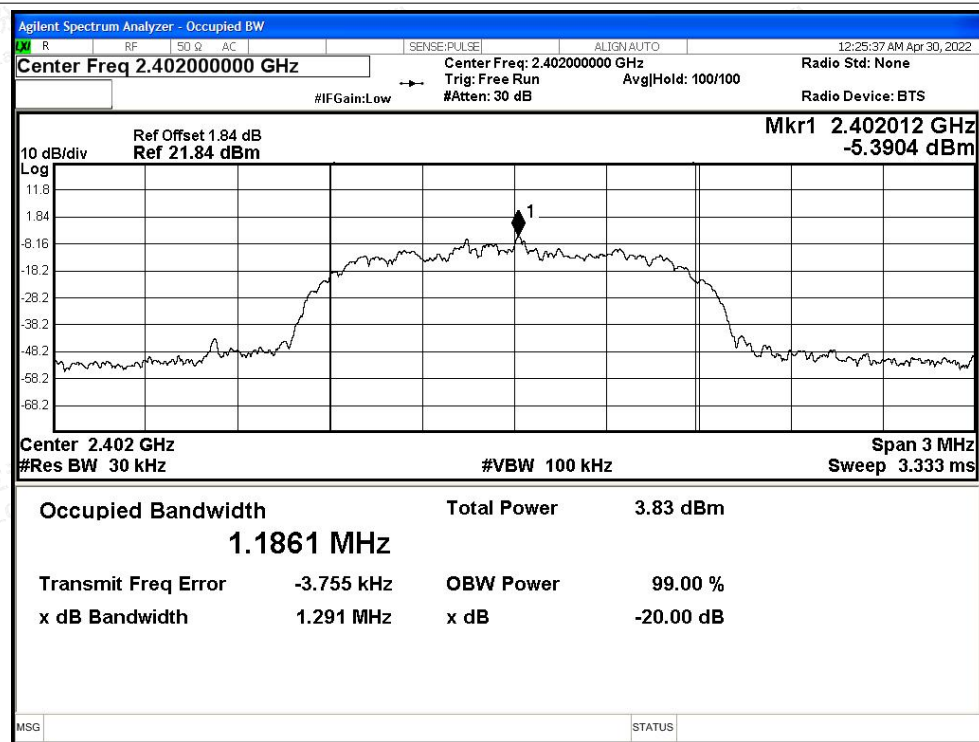
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OBW NVNT 1-DH5 2480MHz Ant1



OBW NVNT 2-DH5 2402MHz Ant1



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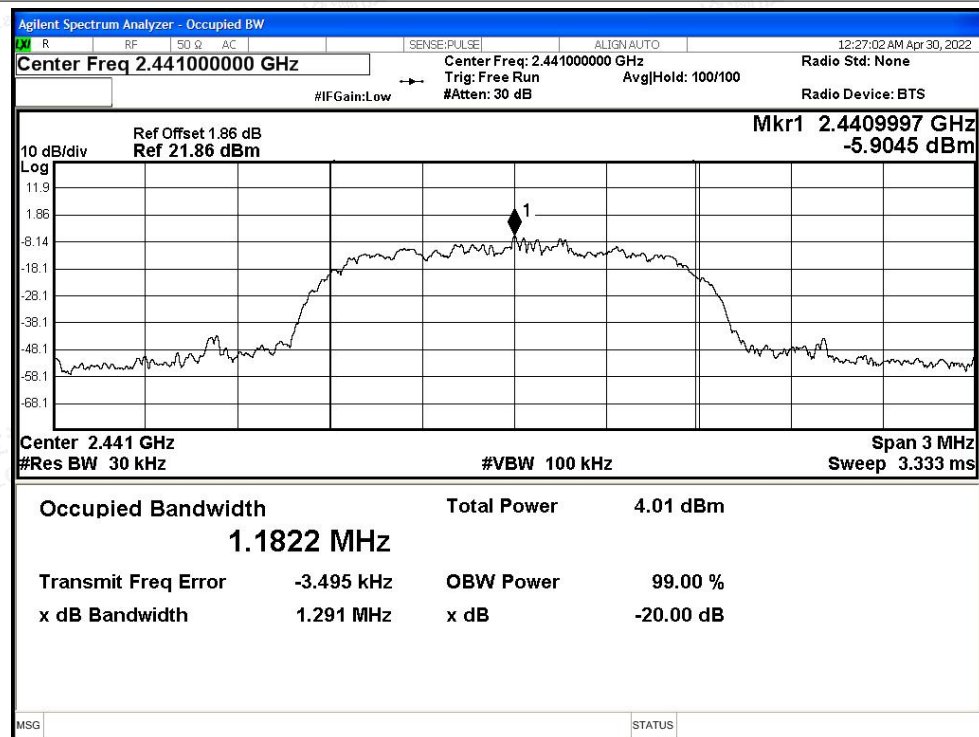
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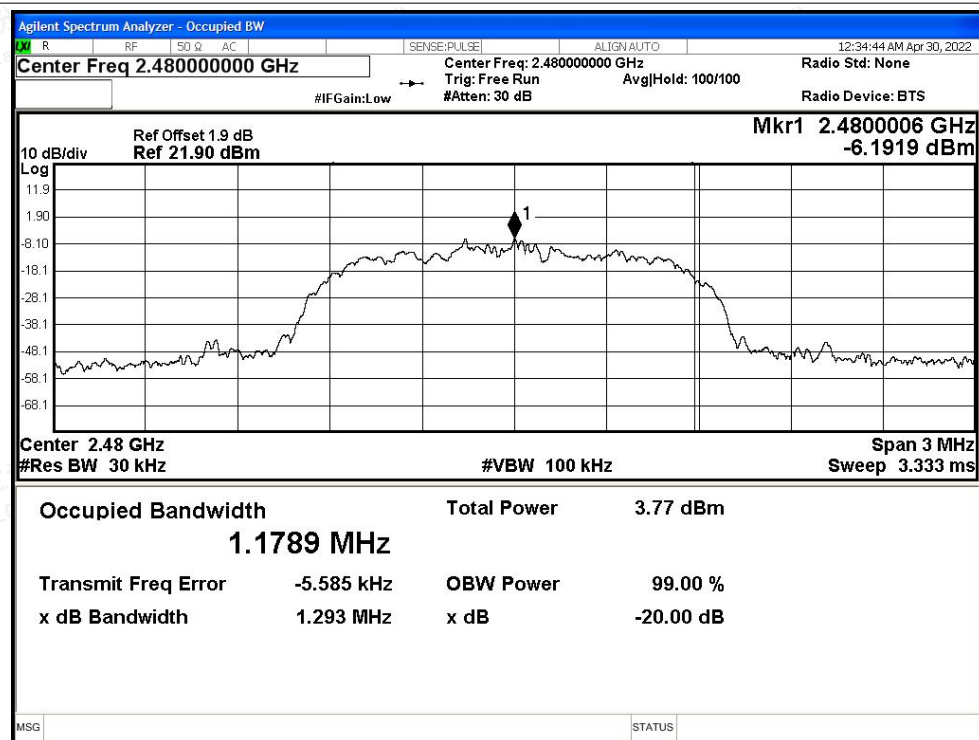
Scan code to check authenticity



OBW NVNT 2-DH5 2441MHz Ant1



OBW NVNT 2-DH5 2480MHz Ant1



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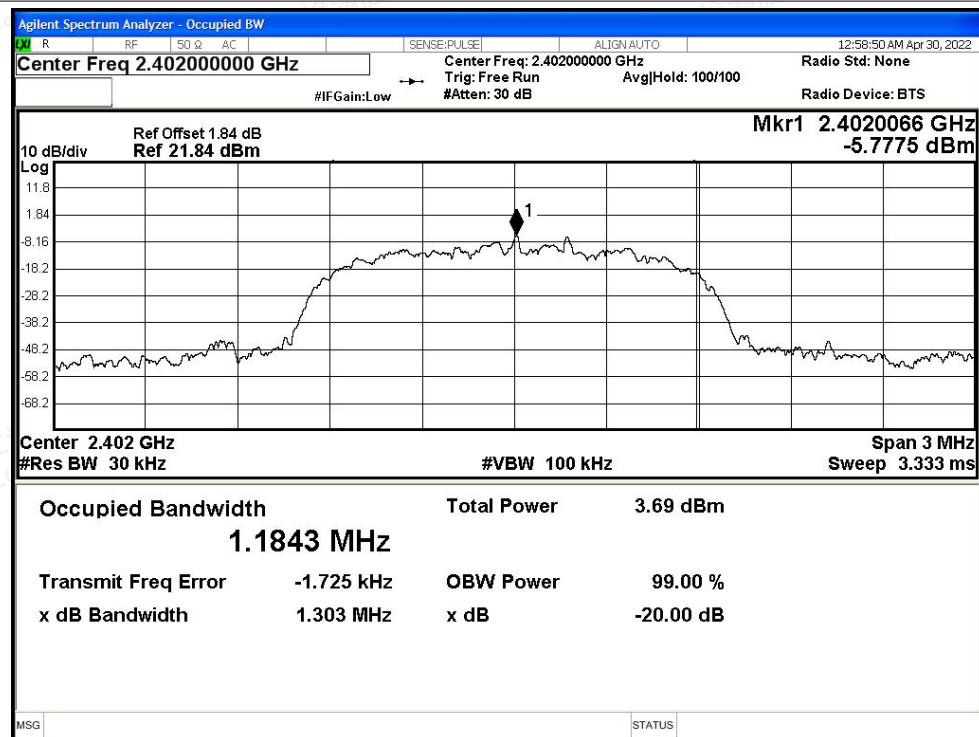
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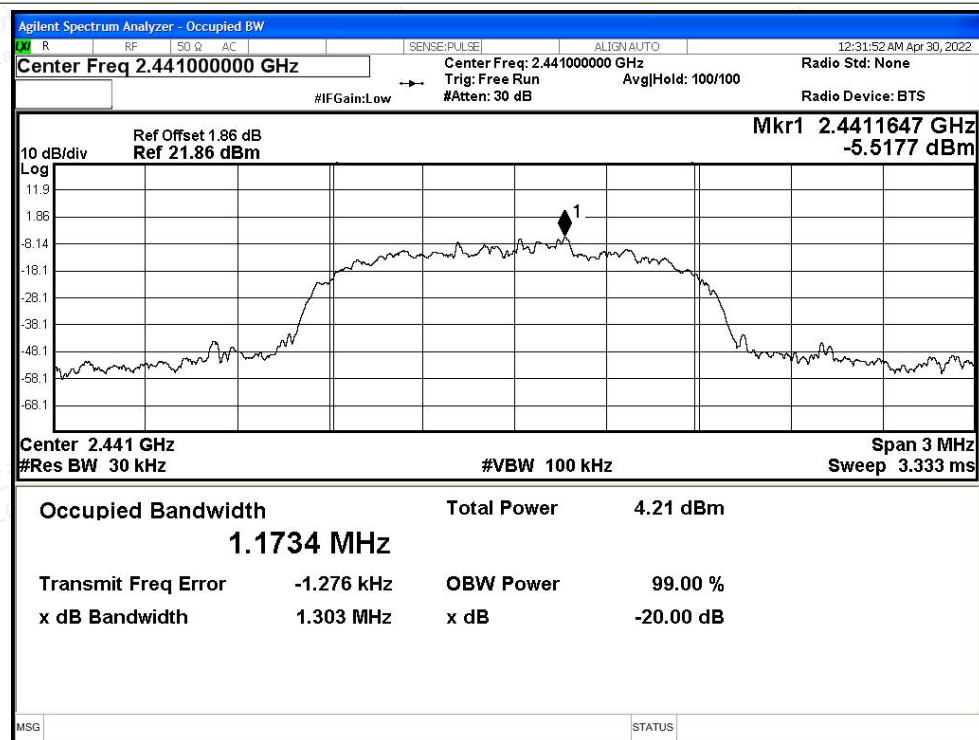
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OBW NVNT 3-DH5 2402MHz Ant1



OBW NVNT 3-DH5 2441MHz Ant1

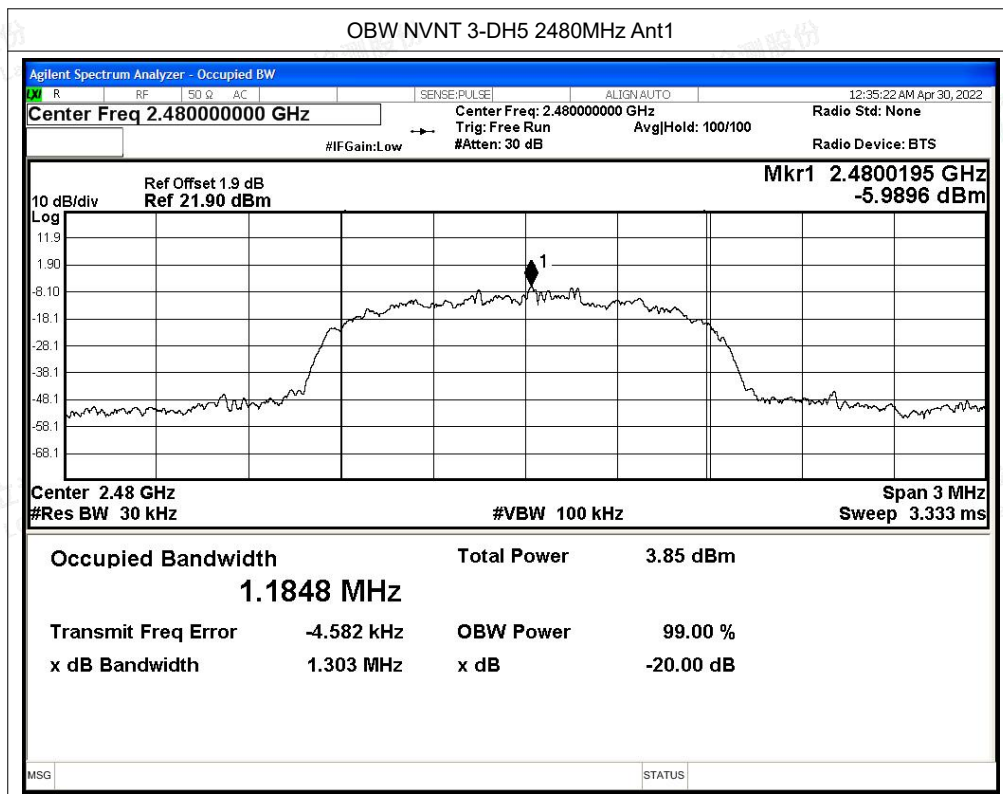


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A.3 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-0.45	21	Pass
NVNT	1-DH5	2441	Ant1	-0.2	21	Pass
NVNT	1-DH5	2480	Ant1	-0.63	21	Pass
NVNT	2-DH5	2402	Ant1	-0.67	21	Pass
NVNT	2-DH5	2441	Ant1	-0.48	21	Pass
NVNT	2-DH5	2480	Ant1	-0.89	21	Pass
NVNT	3-DH5	2402	Ant1	-0.57	21	Pass
NVNT	3-DH5	2441	Ant1	-0.35	21	Pass
NVNT	3-DH5	2480	Ant1	-0.77	21	Pass



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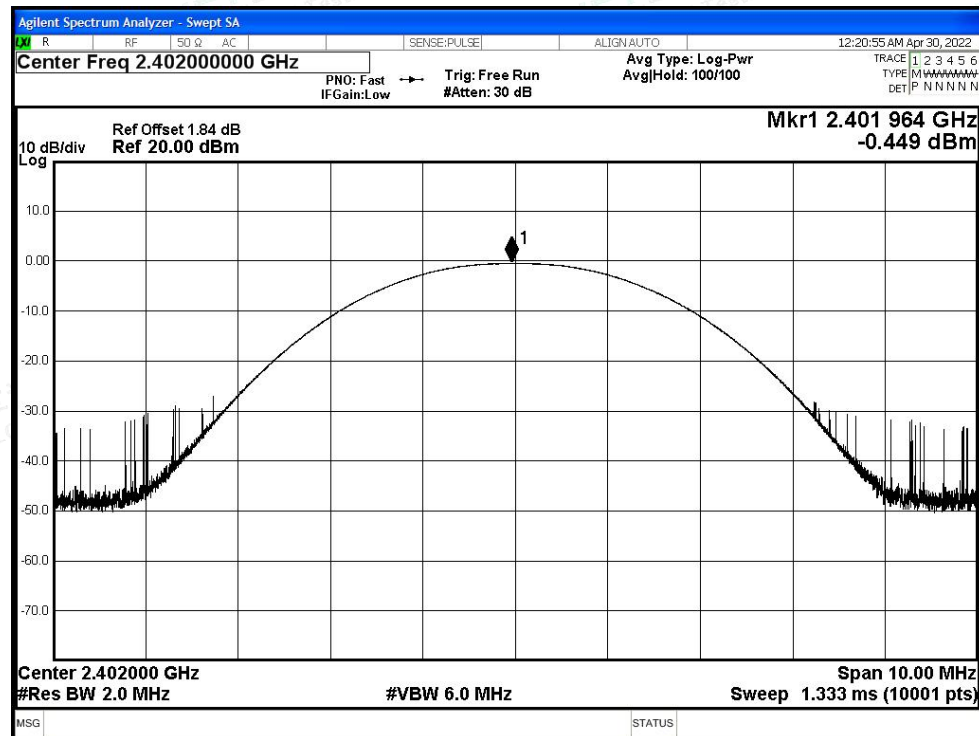
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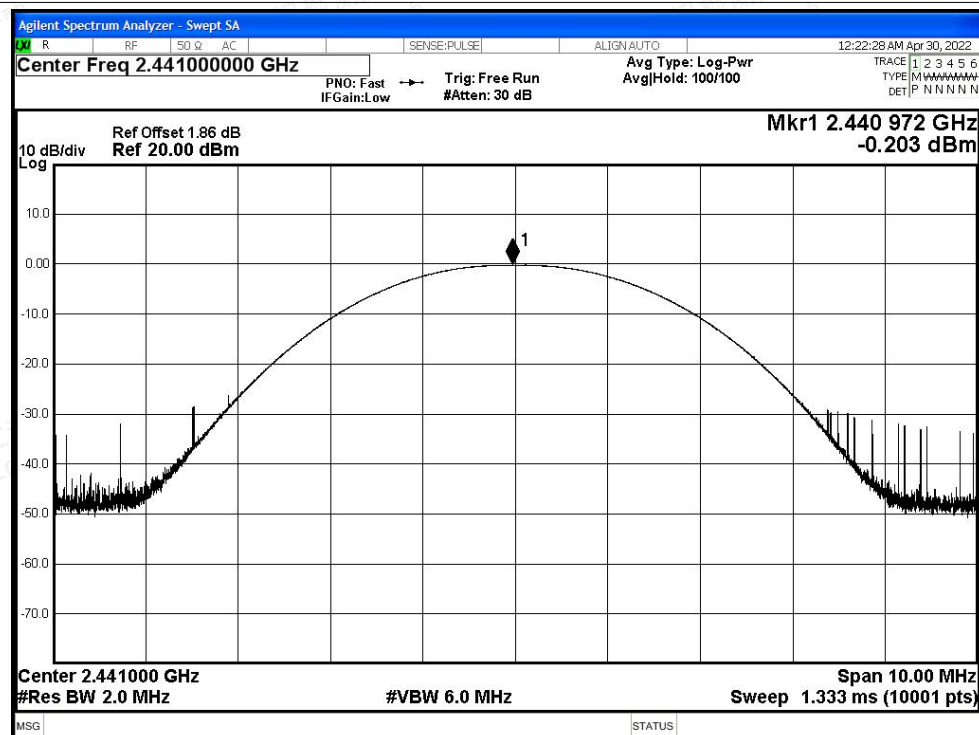


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1



Power NVNT 1-DH5 2441MHz Ant1

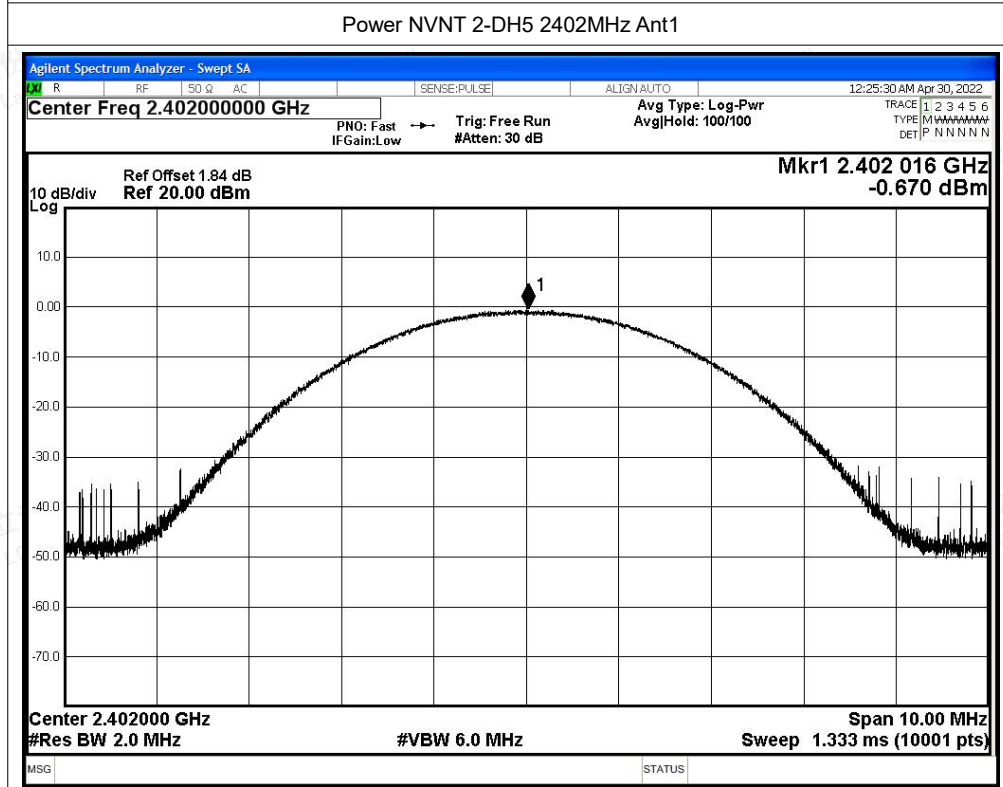
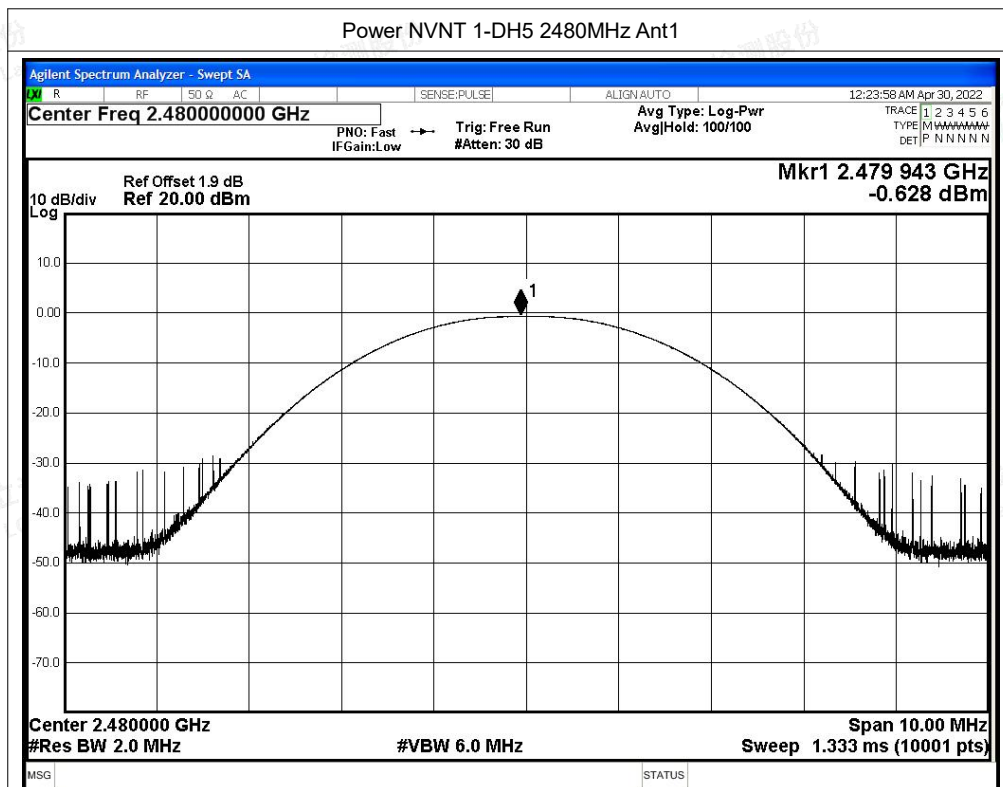


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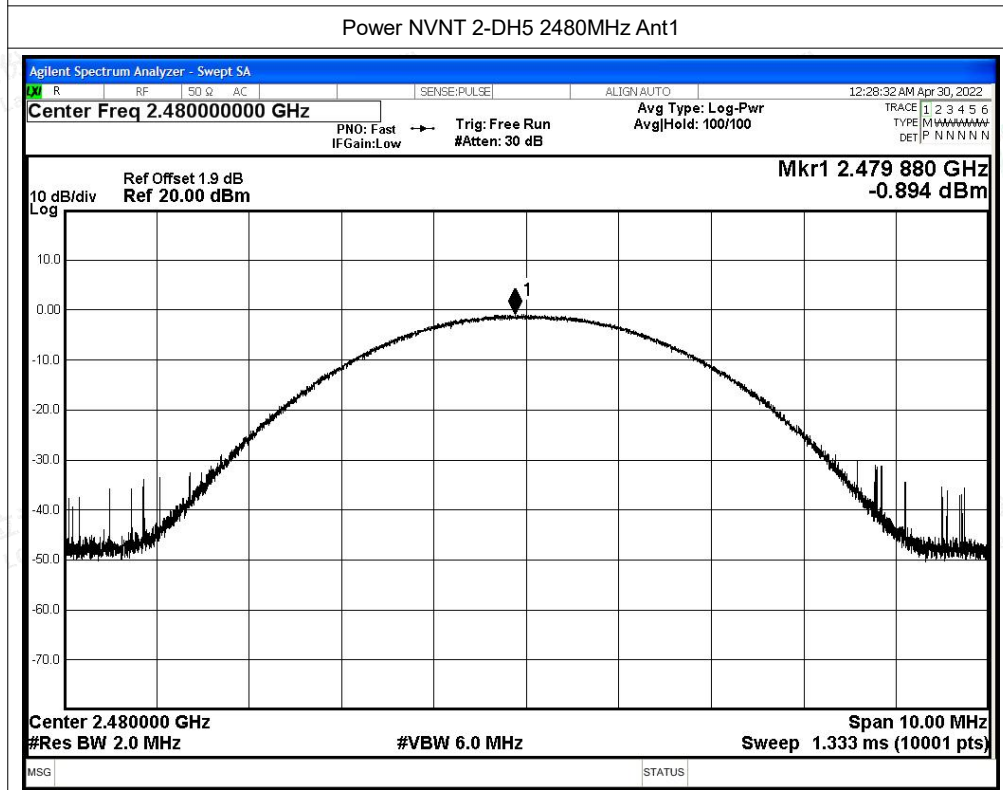
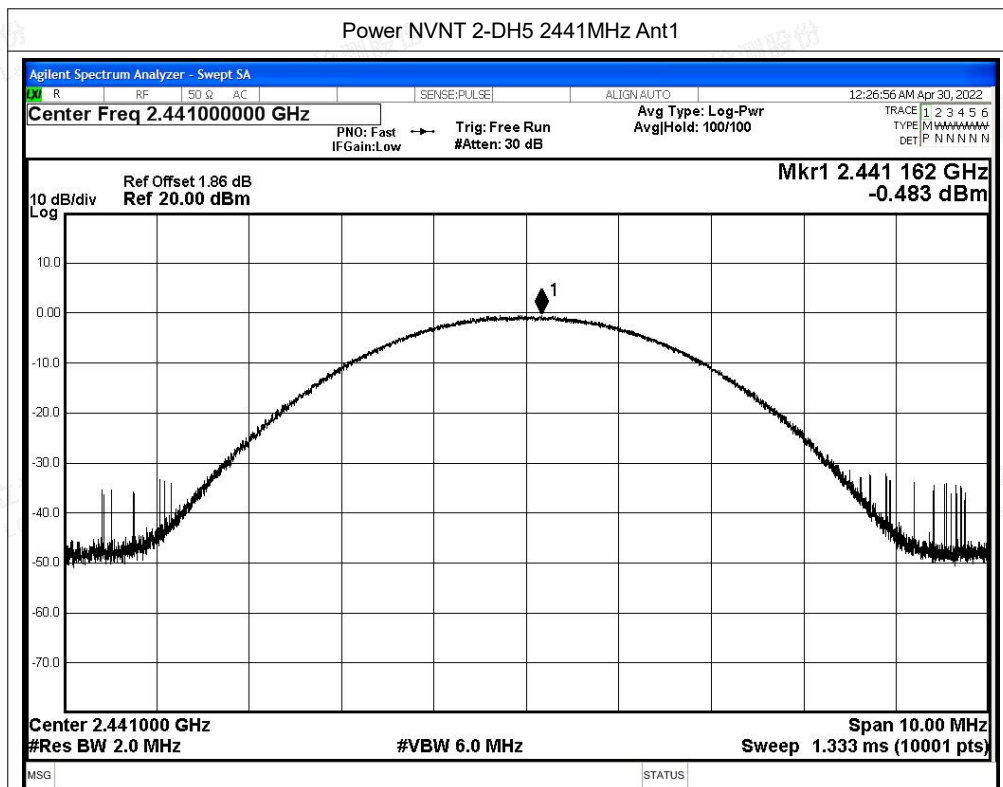


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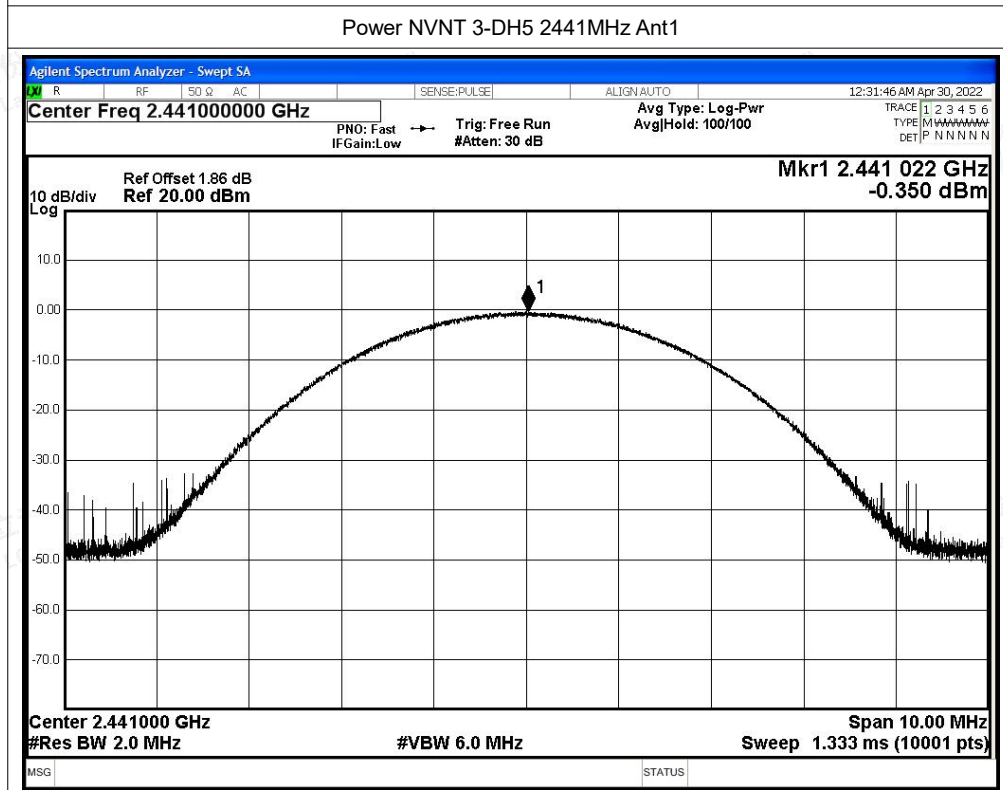
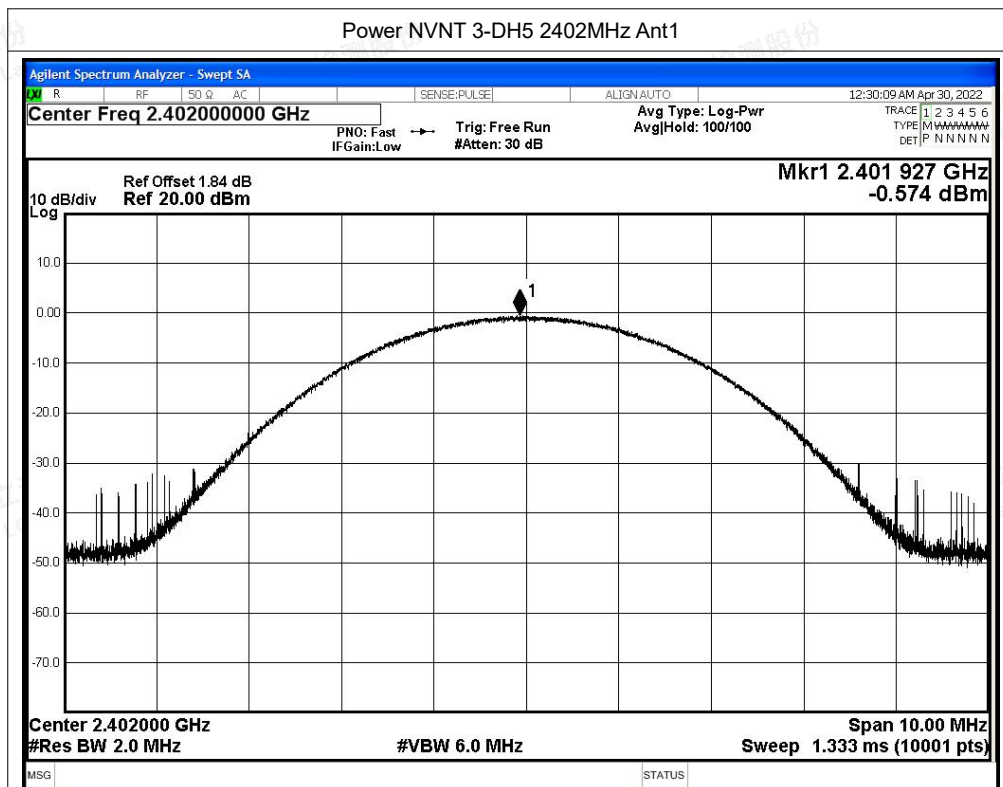


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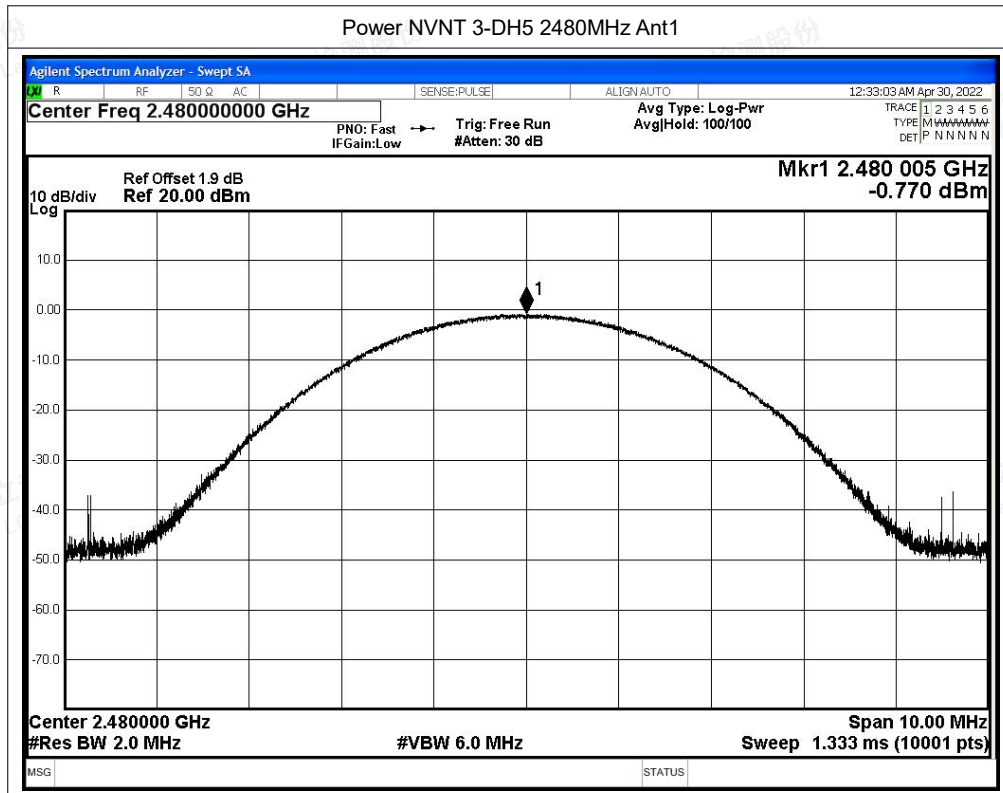


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A.4 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.968	2403.162	1.194	0.642	Pass
NVNT	2-DH5	Ant1	2402.014	2403.154	1.14	0.877	Pass
NVNT	3-DH5	Ant1	2402.156	2403.152	0.996	0.861	Pass



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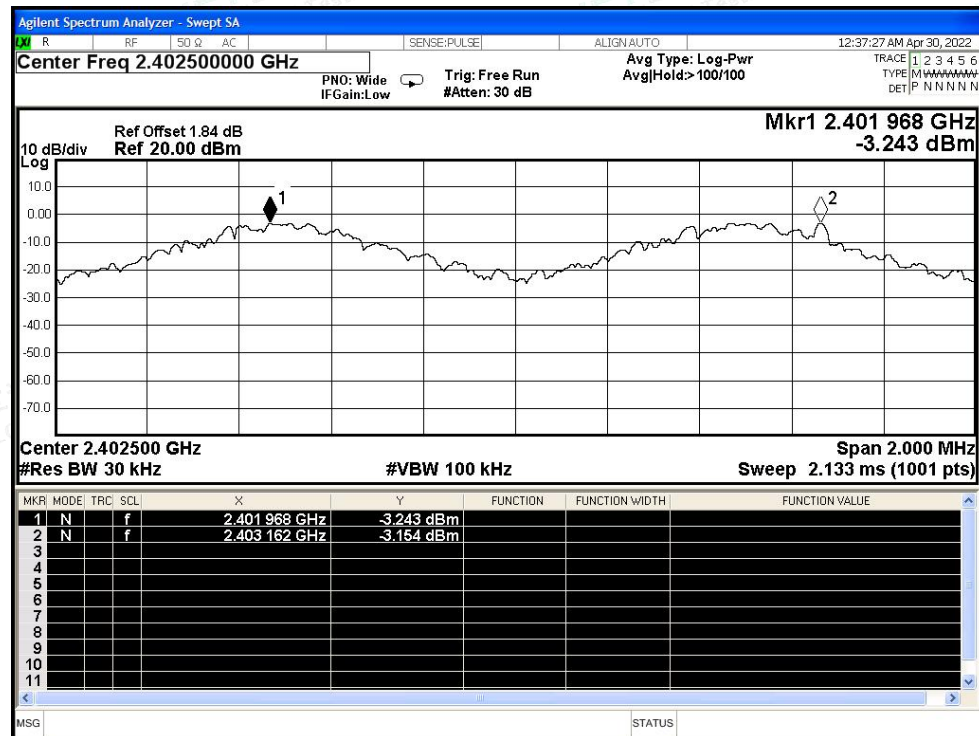
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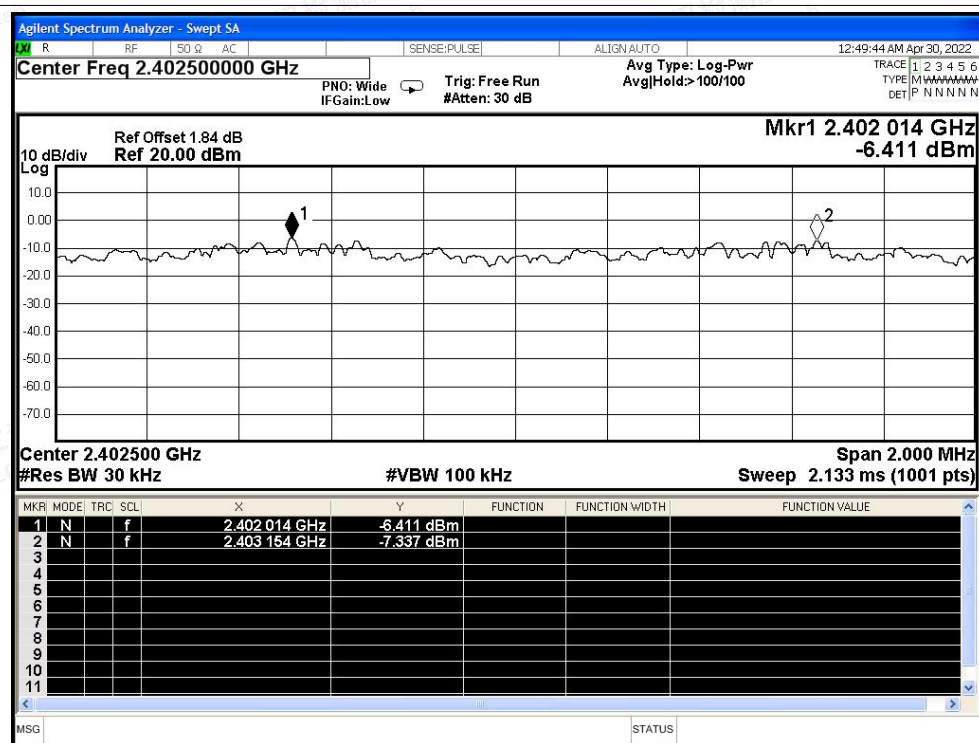


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1

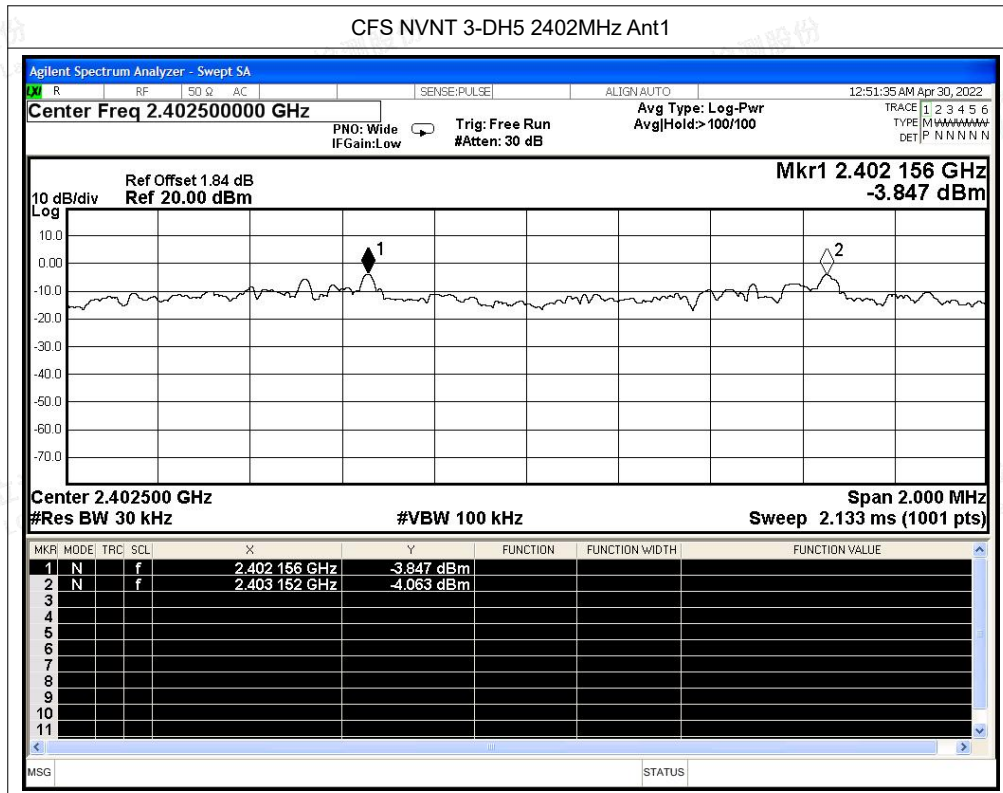


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A.5 Dwell Time

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	314.029	109	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.882	305.492	106	31600	400	Pass
NVNT	1-DH5	2480	Ant1	2.881	279.457	97	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.885	311.58	108	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.885	314.465	109	31600	400	Pass
NVNT	2-DH5	2480	Ant1	2.885	323.12	112	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.887	300.248	104	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.887	297.361	103	31600	400	Pass
NVNT	3-DH5	2480	Ant1	2.887	329.118	114	31600	400	Pass



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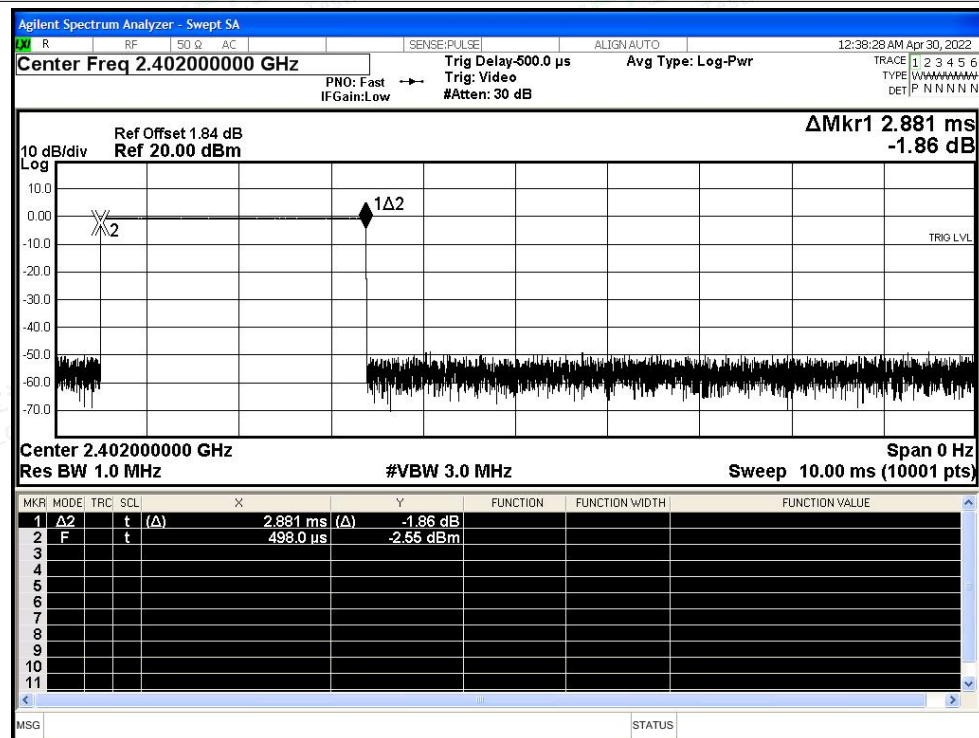
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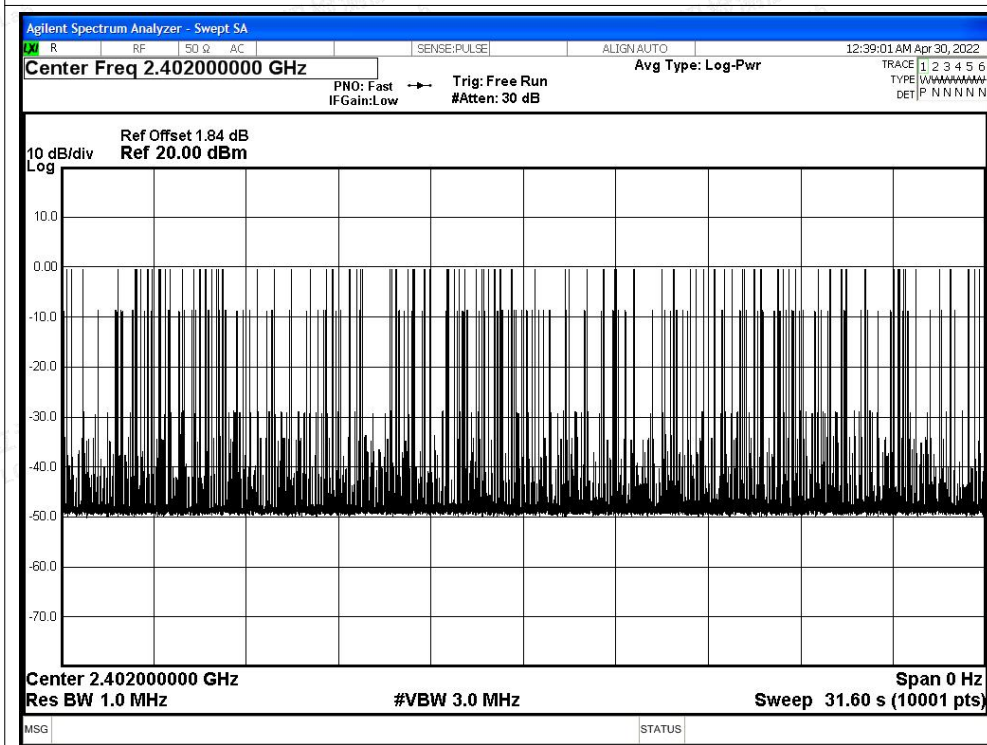


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

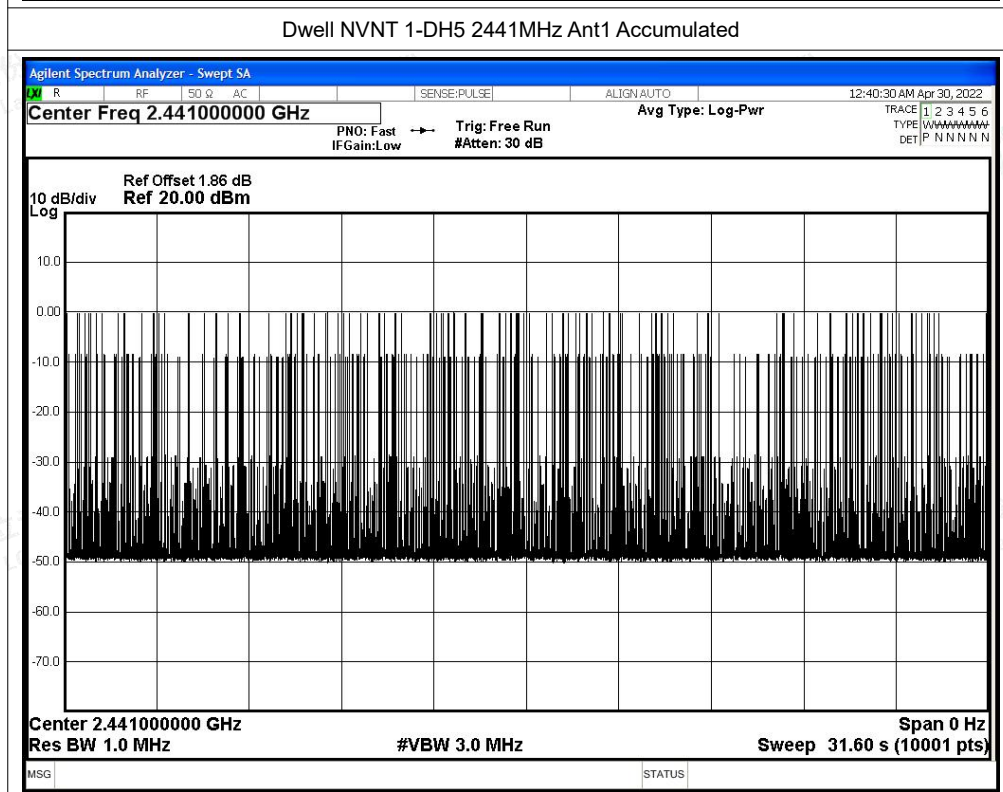
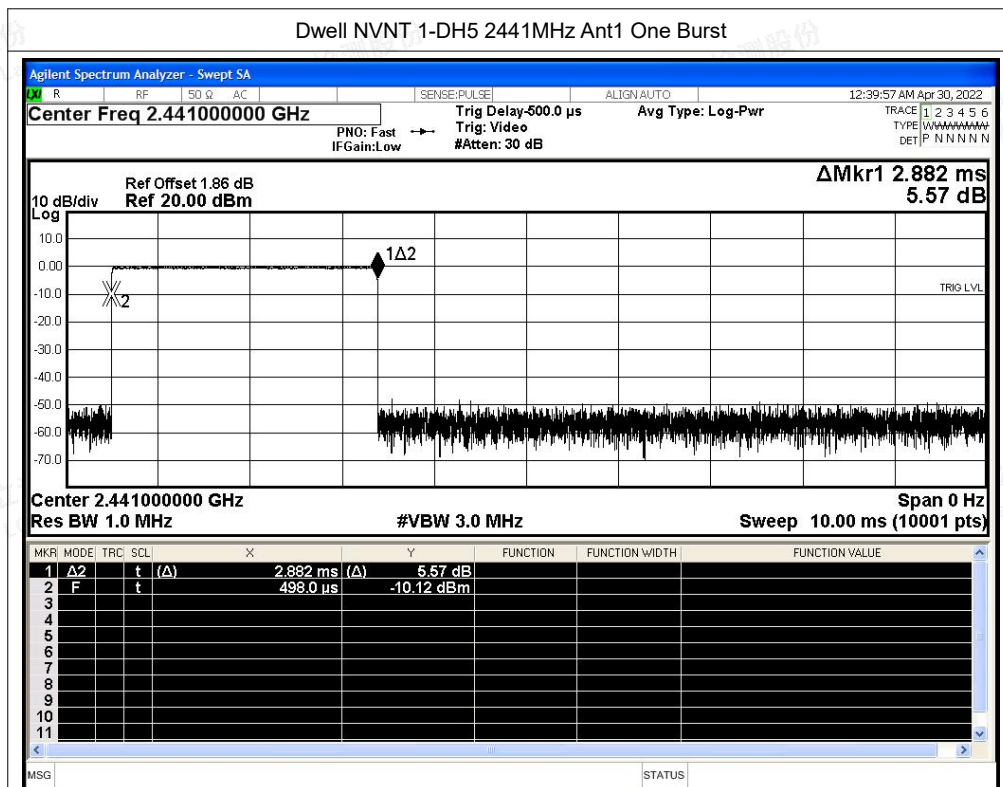


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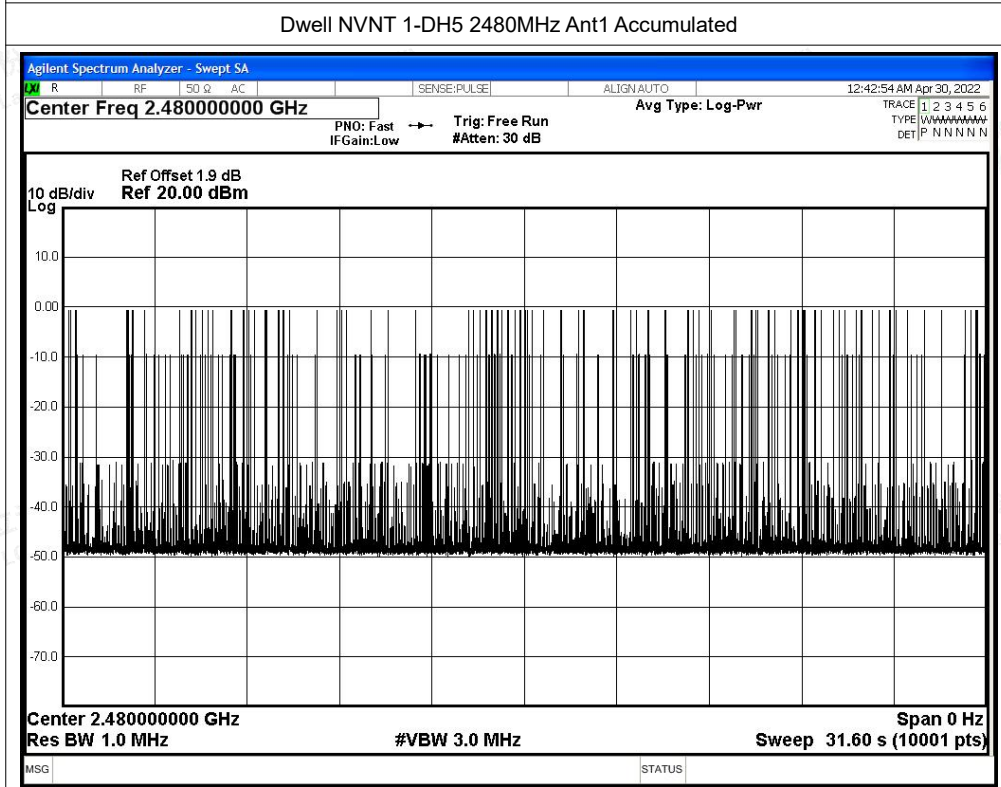
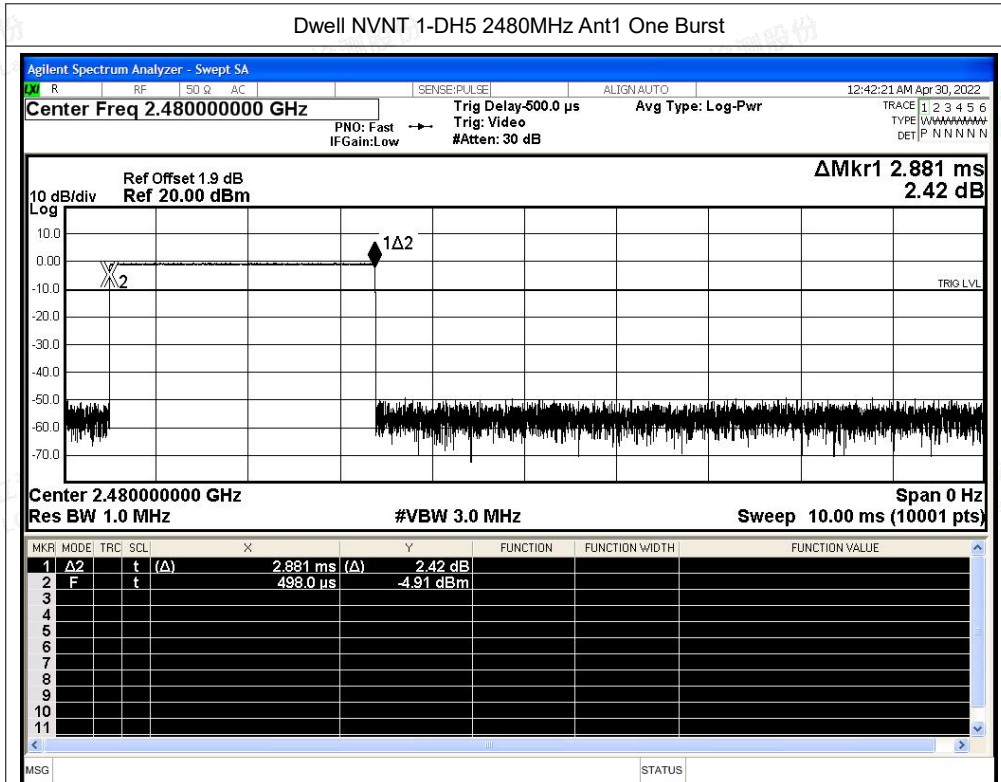


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