



Appendix A

RF Test Data for BT(Conducted Measurement)

Product Name: Defender Scout

Test Model: GDI-EXSCT09

Environmental Conditions

Temperature:	24.7° C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun

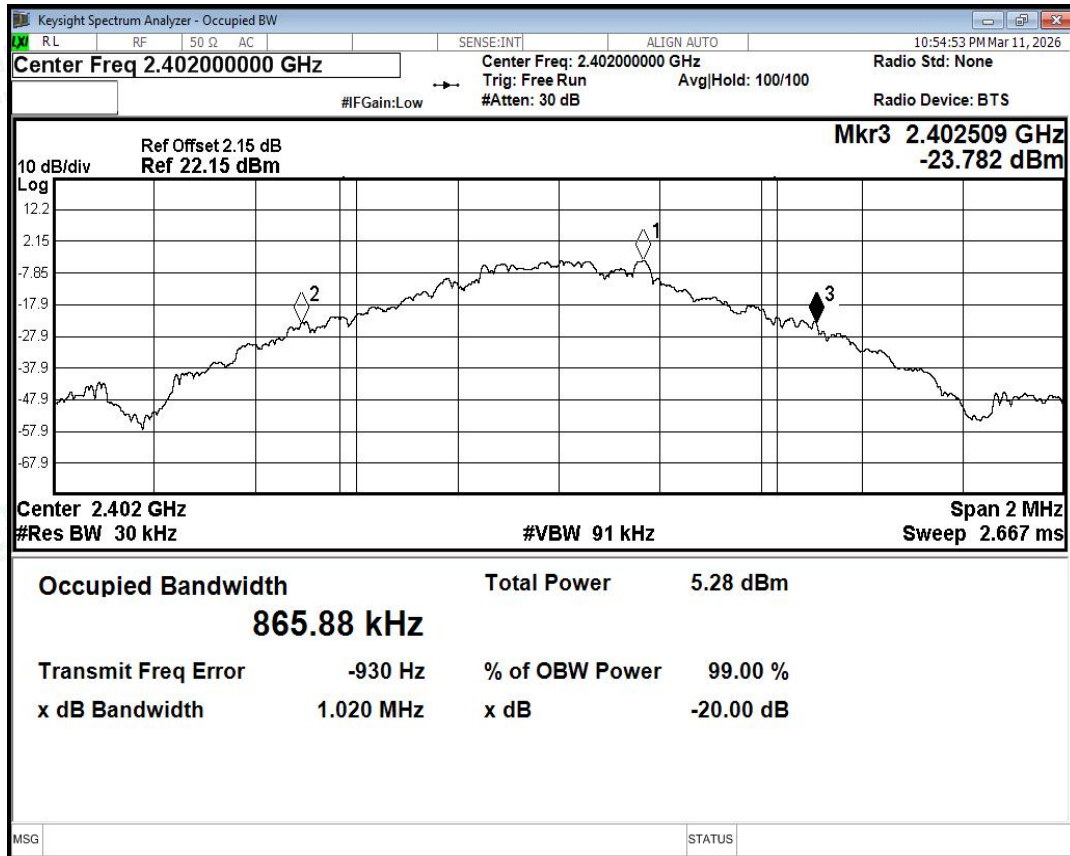




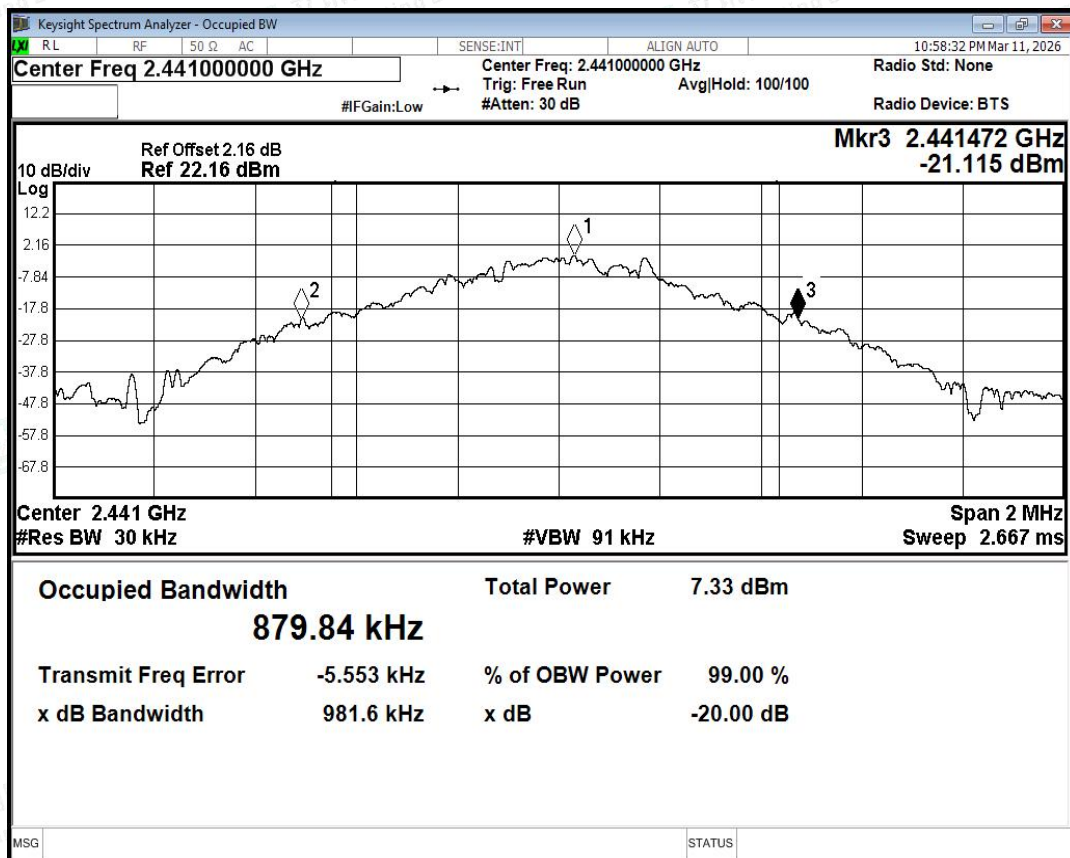
A.1 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant0	1.02	No Limit	Pass
NVNT	1-DH5	2441	Ant0	0.9816	No Limit	Pass
NVNT	1-DH5	2480	Ant0	0.9513	No Limit	Pass
NVNT	2-DH5	2402	Ant0	1.284	No Limit	Pass
NVNT	2-DH5	2441	Ant0	1.284	No Limit	Pass
NVNT	2-DH5	2480	Ant0	1.317	No Limit	Pass
NVNT	3-DH5	2402	Ant0	1.282	No Limit	Pass
NVNT	3-DH5	2441	Ant0	1.292	No Limit	Pass
NVNT	3-DH5	2480	Ant0	1.296	No Limit	Pass





-20dB Bandwidth NVNT 1-DH5 2402MHz Ant0



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant0

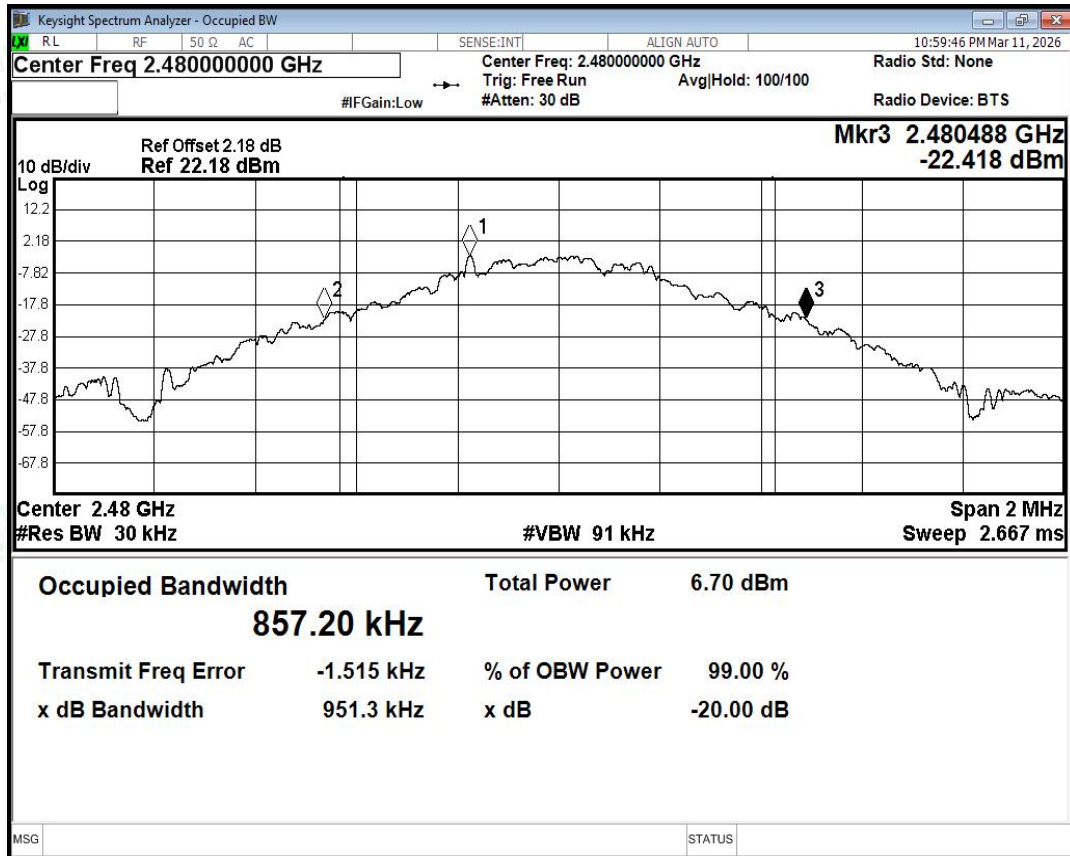


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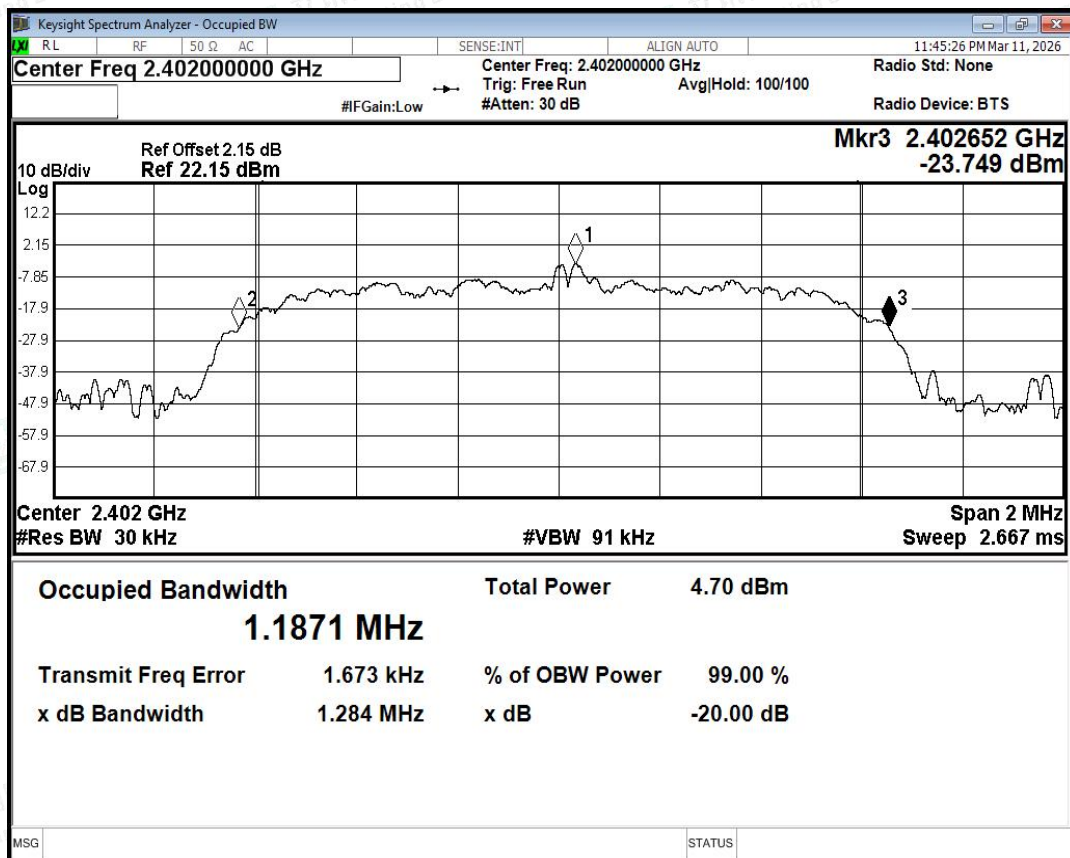
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-20dB Bandwidth NVNT 1-DH5 2480MHz Ant0



-20dB Bandwidth NVNT 2-DH5 2402MHz Ant0

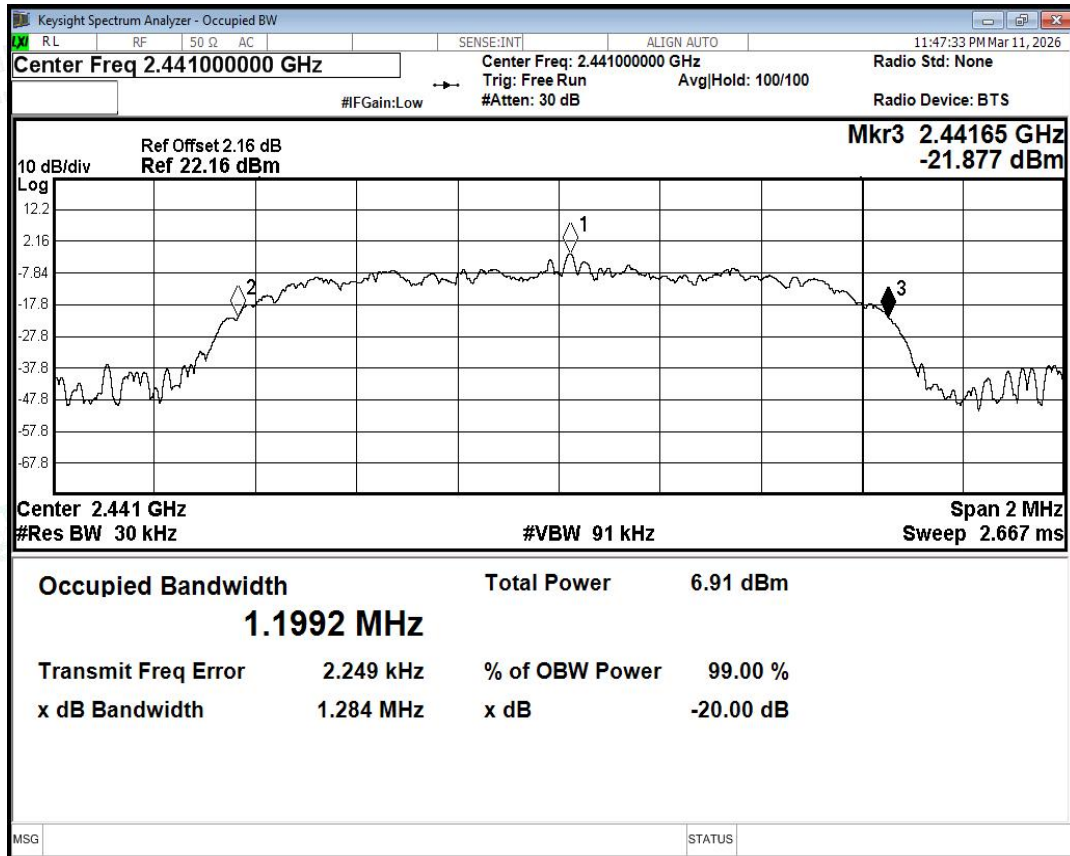


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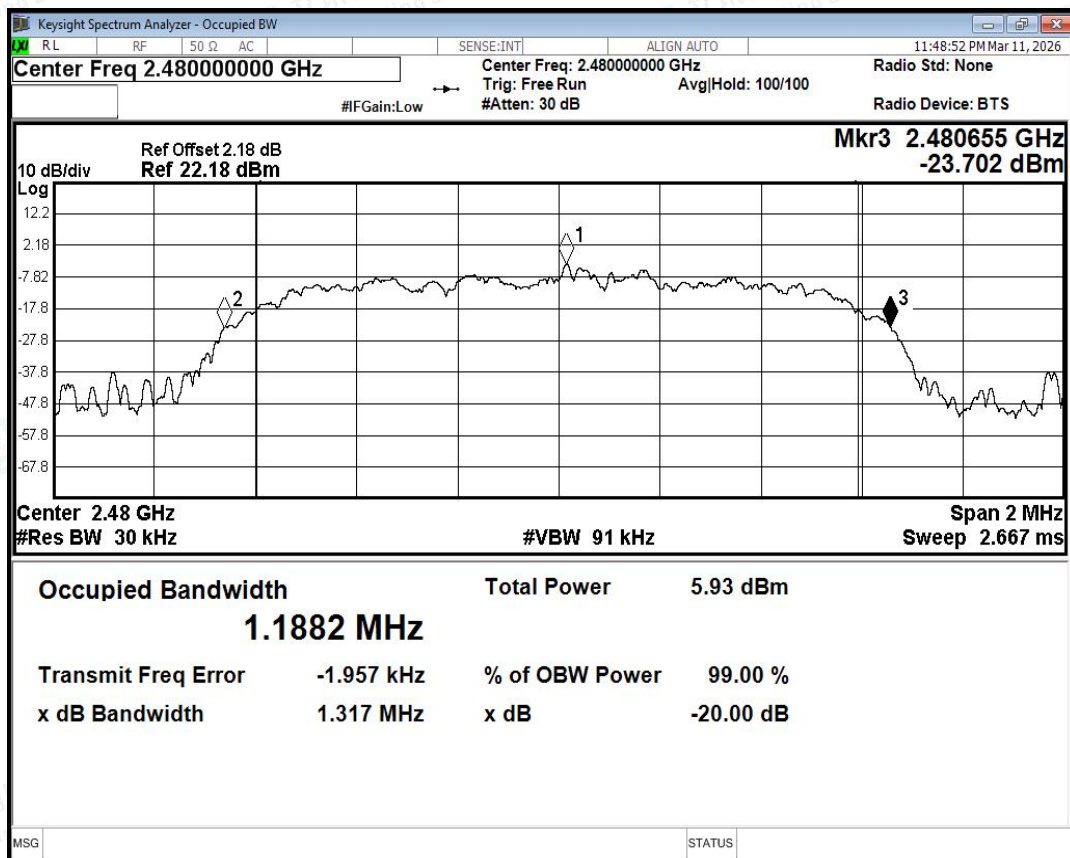
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-20dB Bandwidth NVNT 2-DH5 2441MHz Ant0



-20dB Bandwidth NVNT 2-DH5 2480MHz Ant0

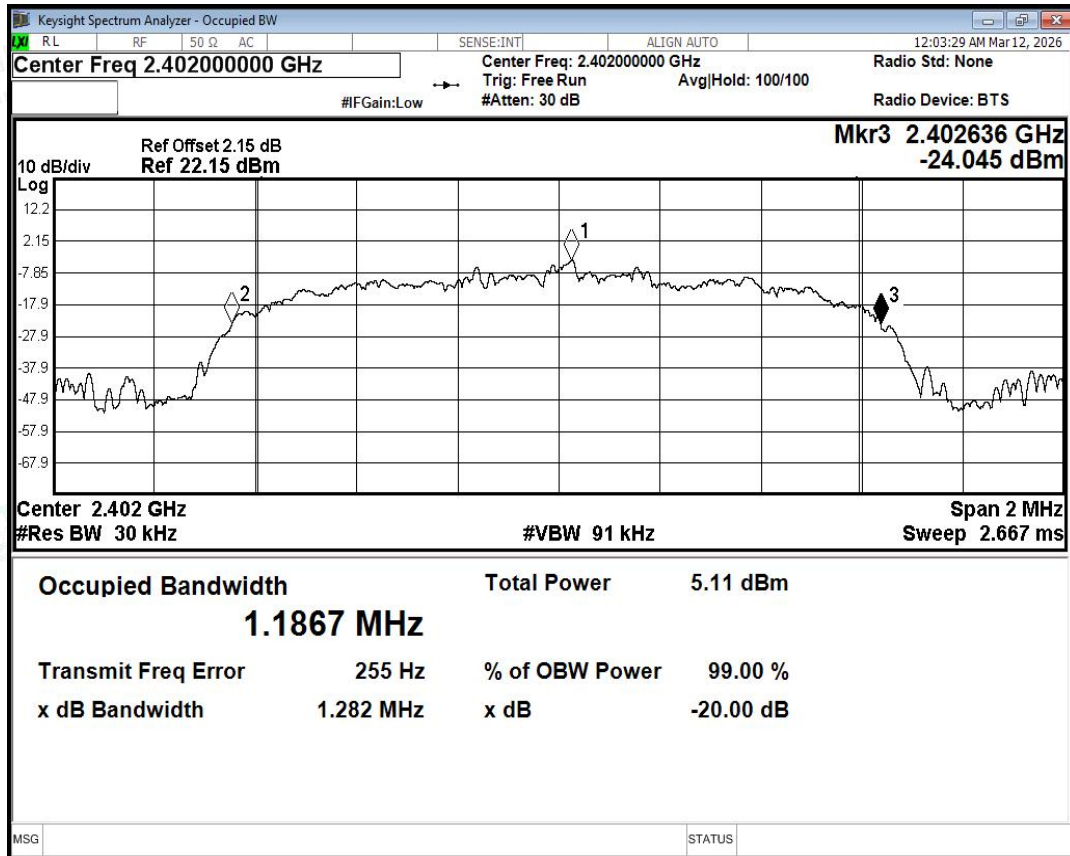


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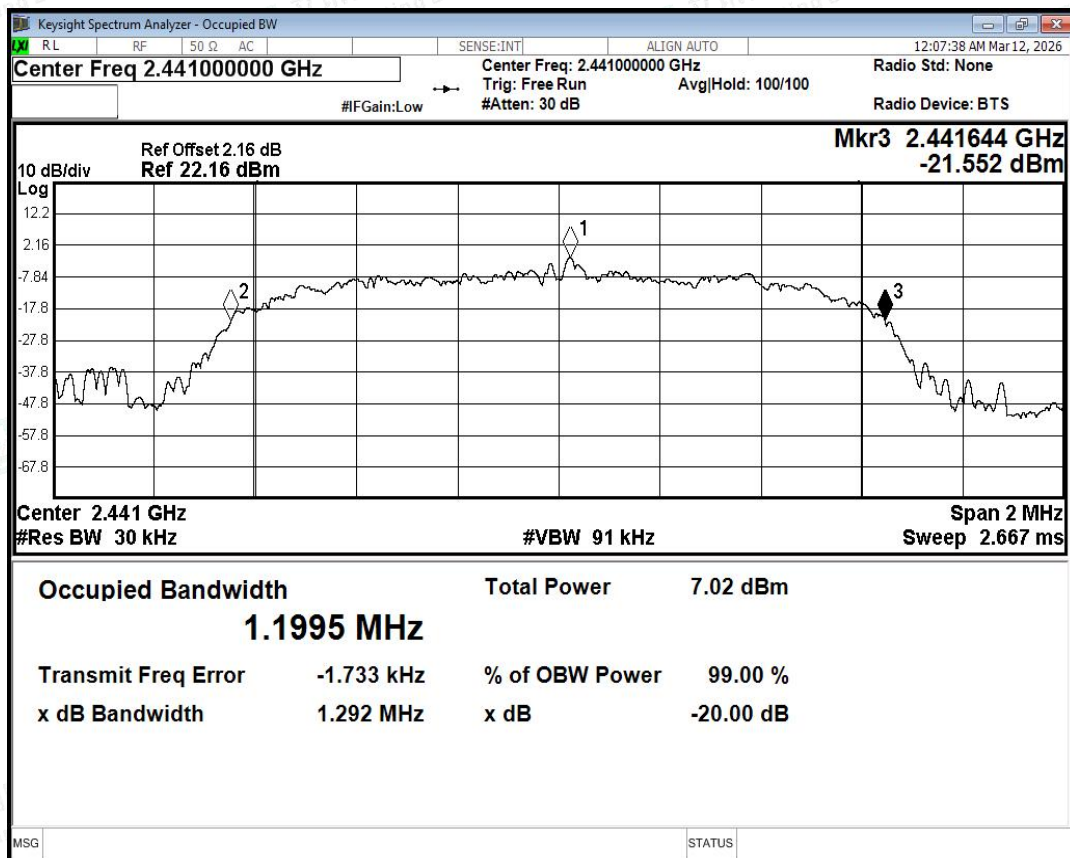
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-20dB Bandwidth NVNT 3-DH5 2402MHz Ant0



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant0

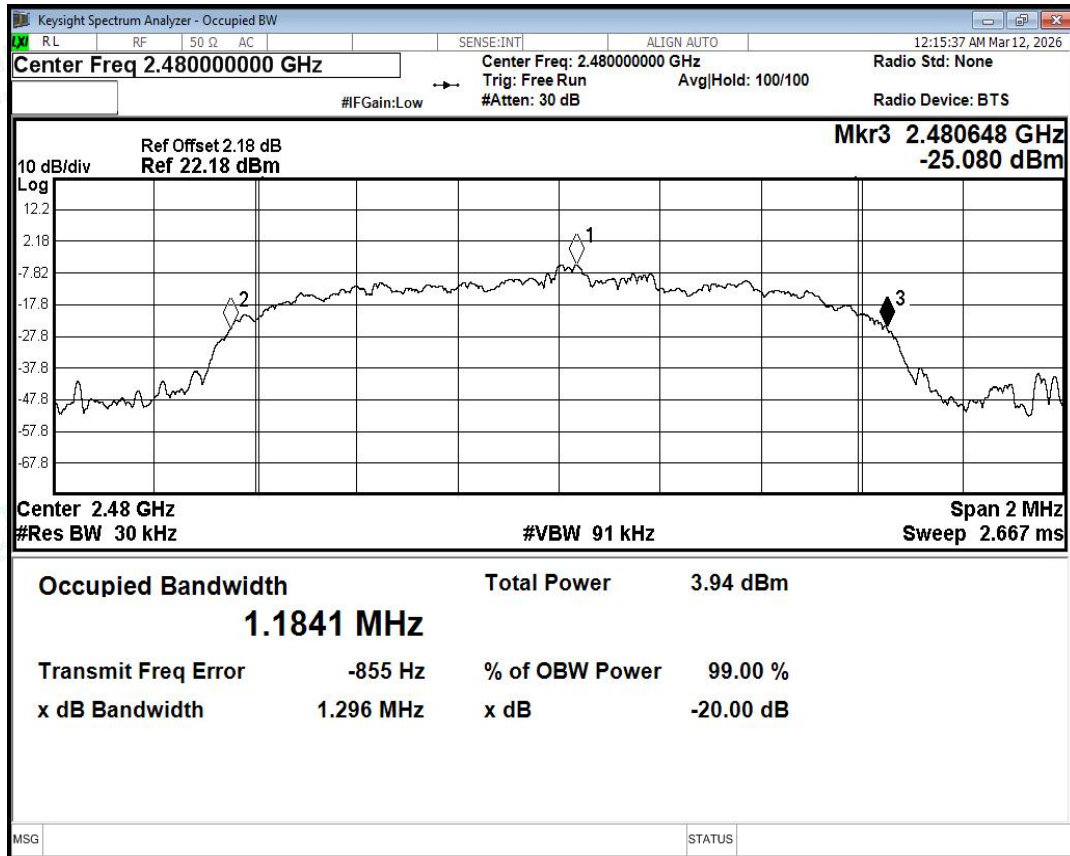


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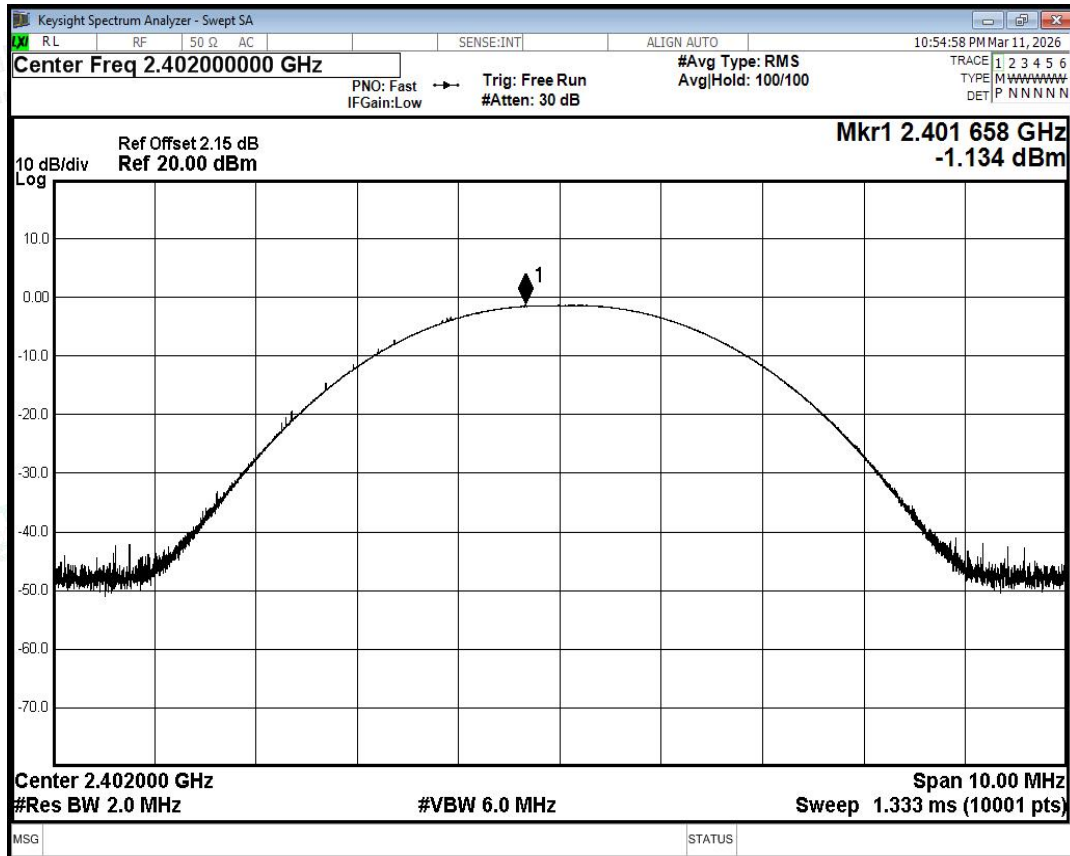
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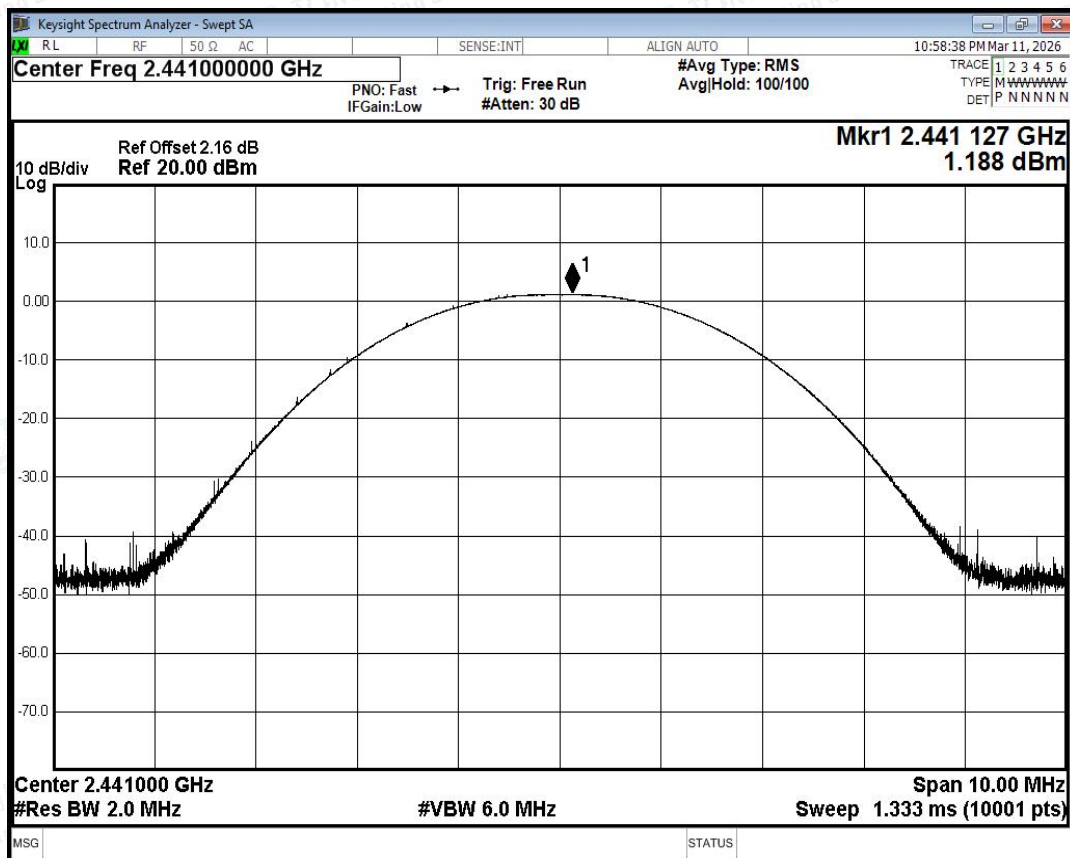
A.2 Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	1-DH5	2402	Ant0	-1.13	30	Pass
NVNT	1-DH5	2441	Ant0	1.19	30	Pass
NVNT	1-DH5	2480	Ant0	0.31	30	Pass
NVNT	2-DH5	2402	Ant0	0.52	30	Pass
NVNT	2-DH5	2441	Ant0	1.66	30	Pass
NVNT	2-DH5	2480	Ant0	1.65	30	Pass
NVNT	3-DH5	2402	Ant0	0.93	30	Pass
NVNT	3-DH5	2441	Ant0	1.85	30	Pass
NVNT	3-DH5	2480	Ant0	-0.24	30	Pass





Peak Power NVNT 1-DH5 2402MHz Ant0



Peak Power NVNT 1-DH5 2441MHz Ant0

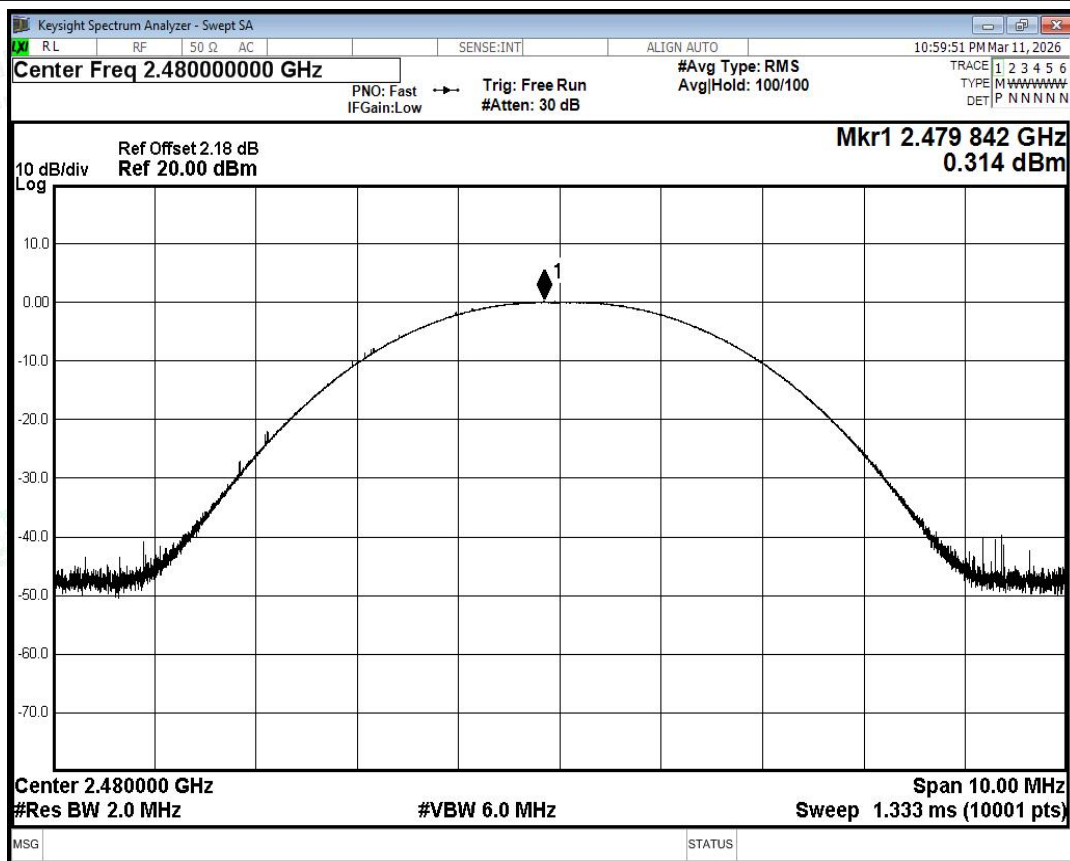


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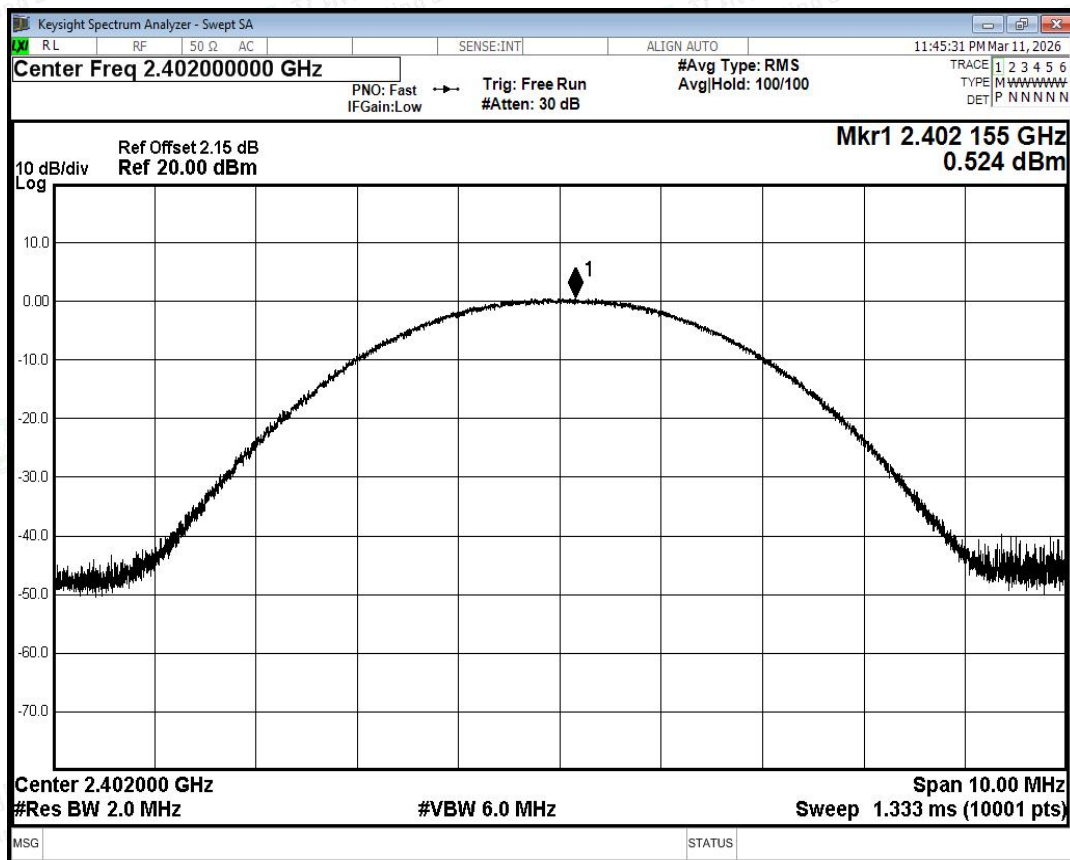
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Peak Power NVNT 1-DH5 2480MHz Ant0



Peak Power NVNT 2-DH5 2402MHz Ant0

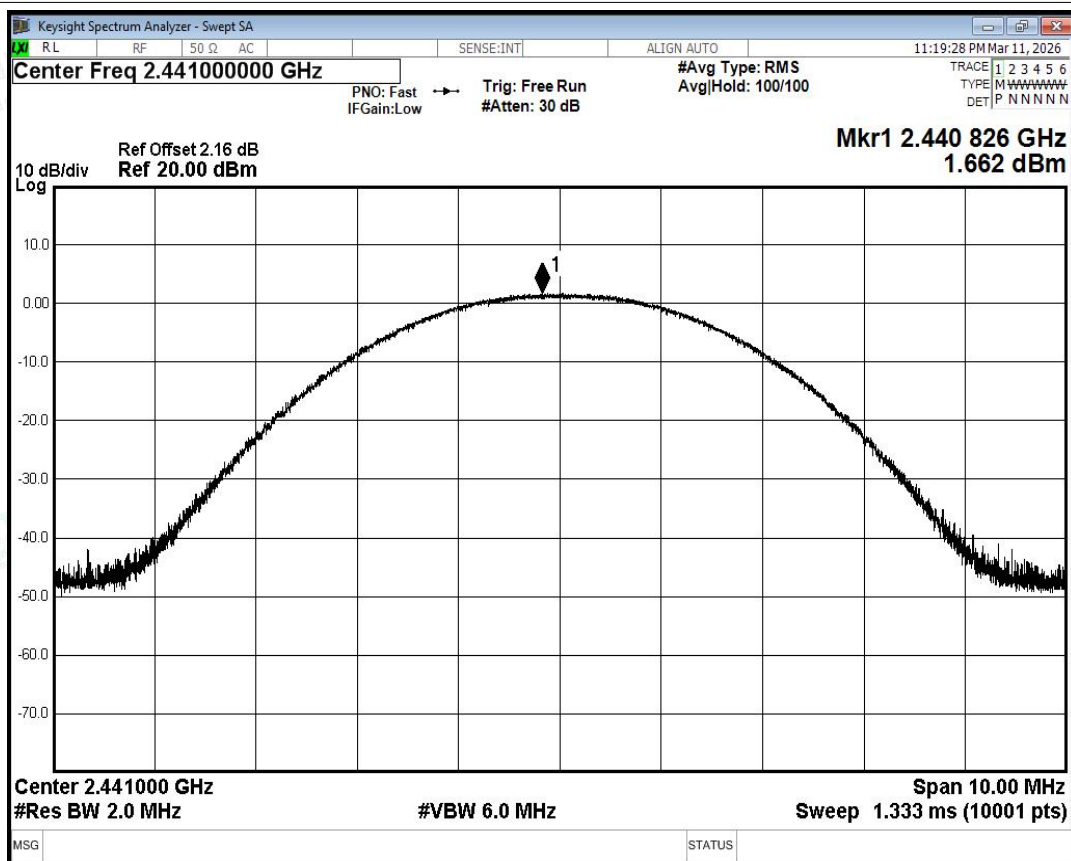


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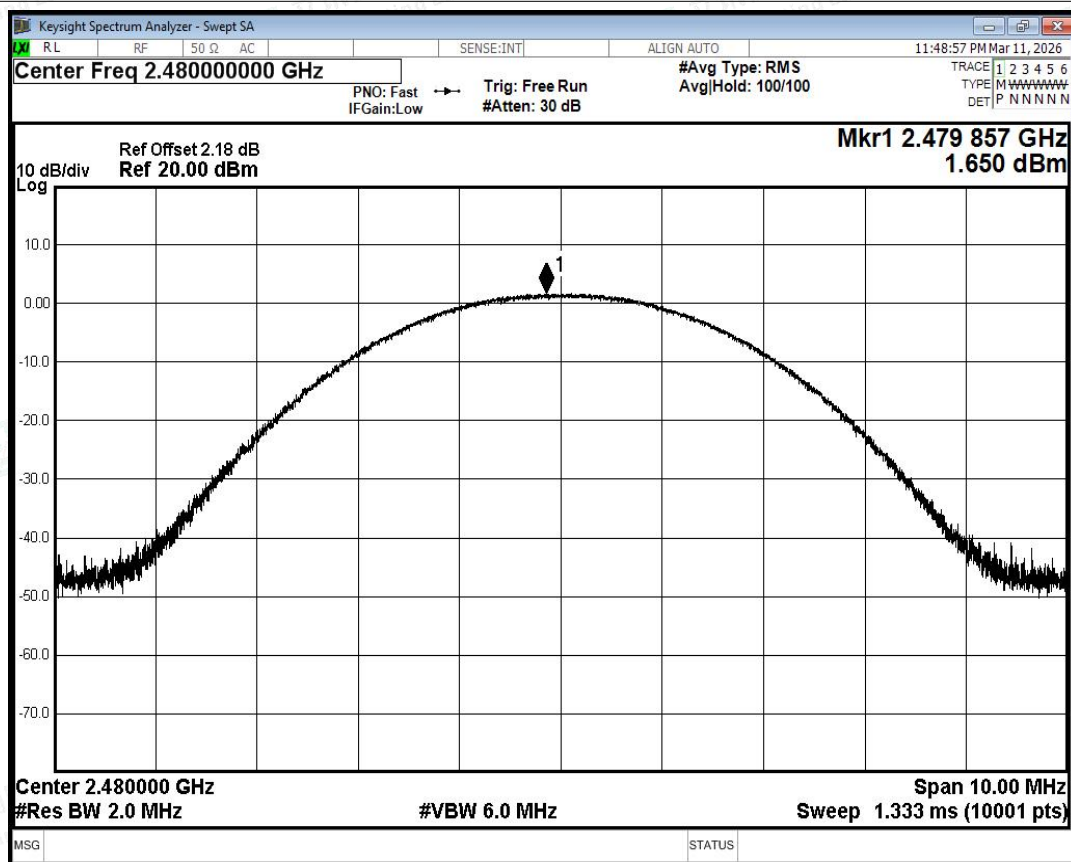
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Peak Power NVNT 2-DH5 2441MHz Ant0



Peak Power NVNT 2-DH5 2480MHz Ant0

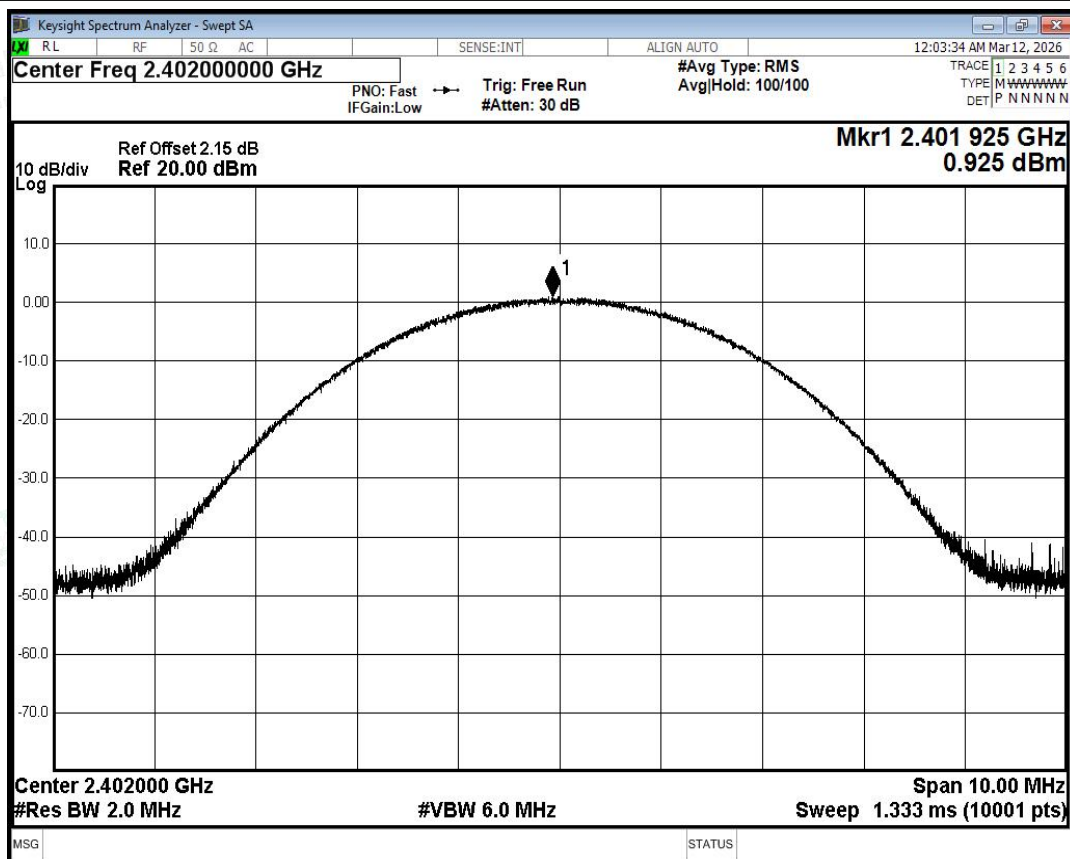


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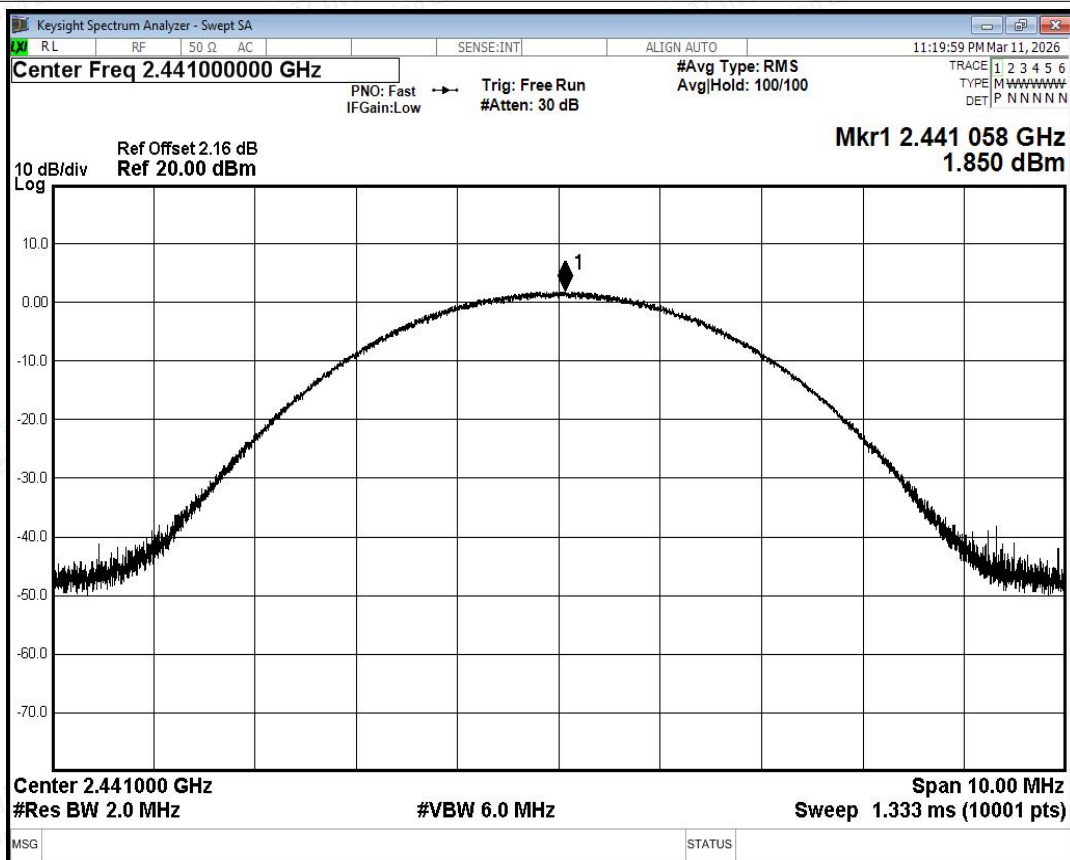
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Peak Power NVNT 3-DH5 2402MHz Ant0



Peak Power NVNT 3-DH5 2441MHz Ant0

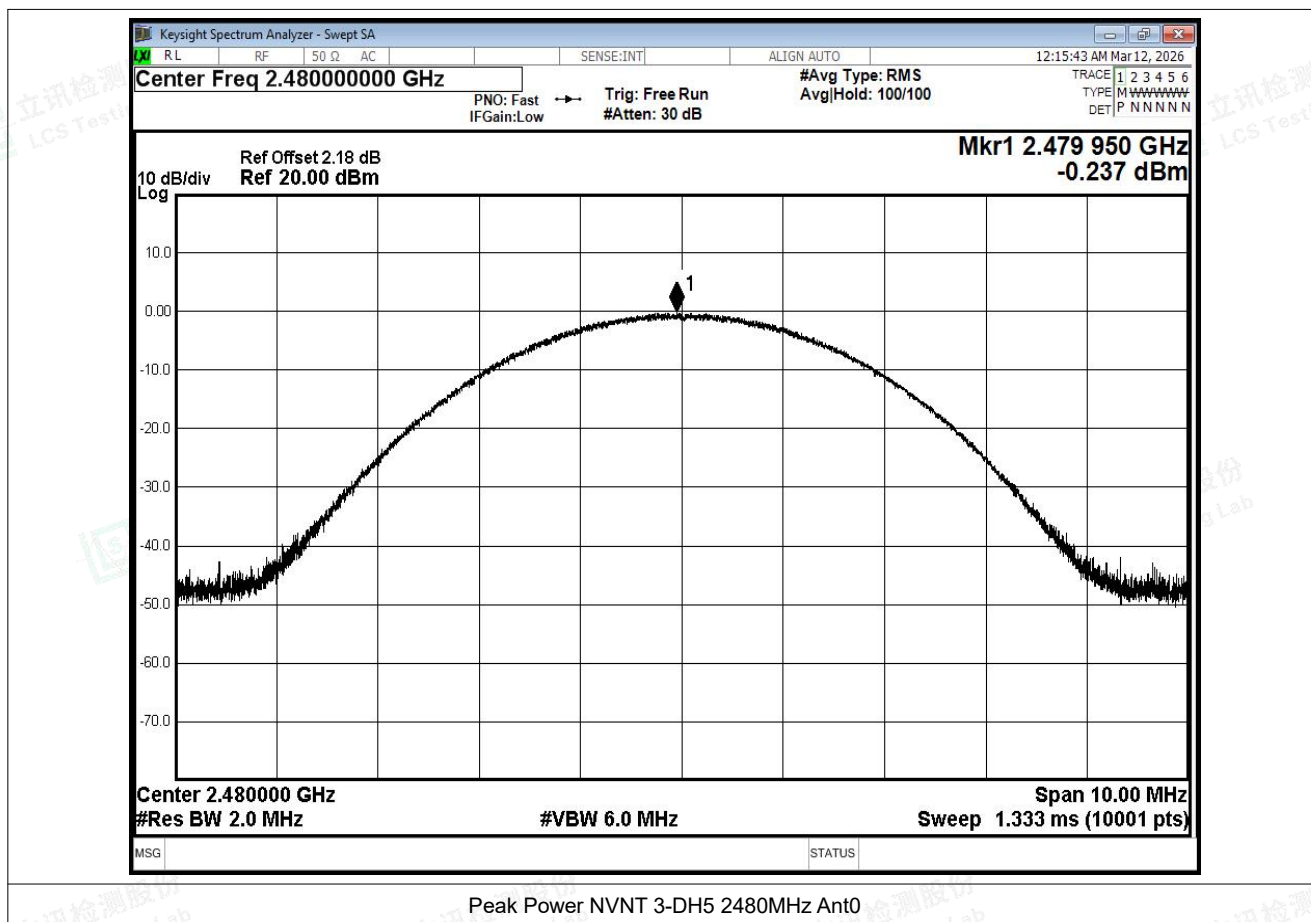


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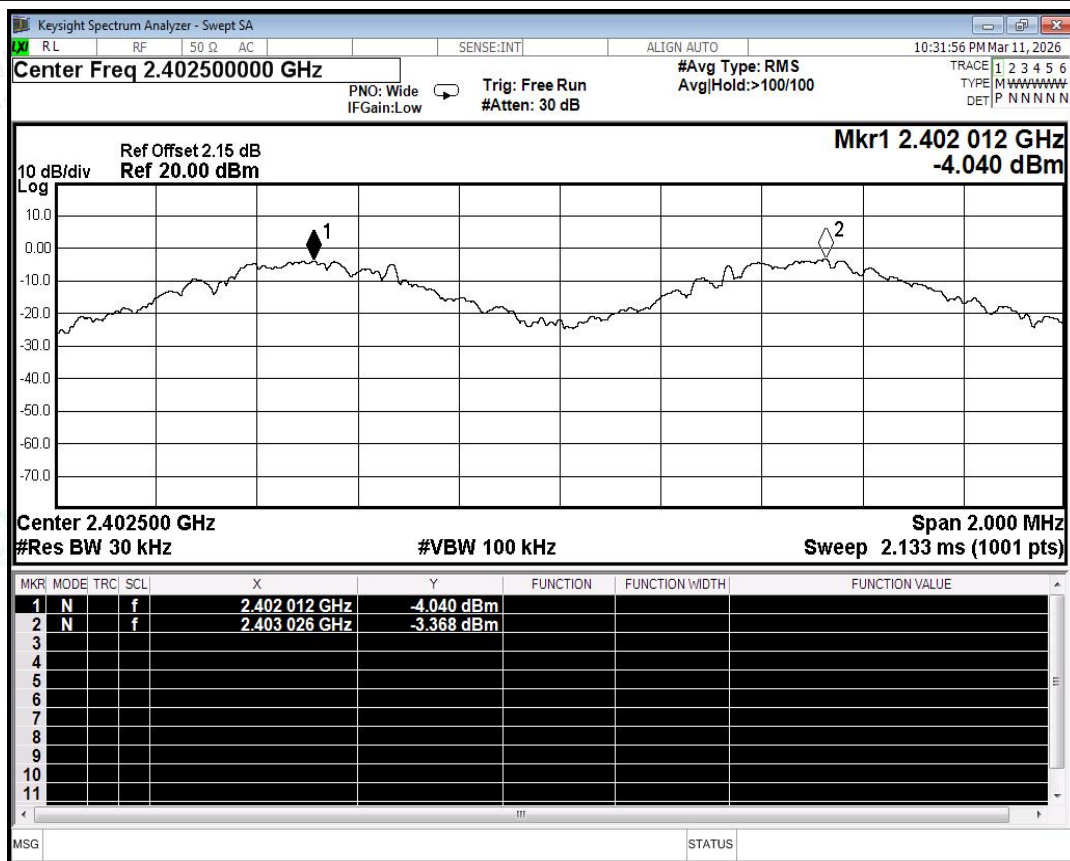




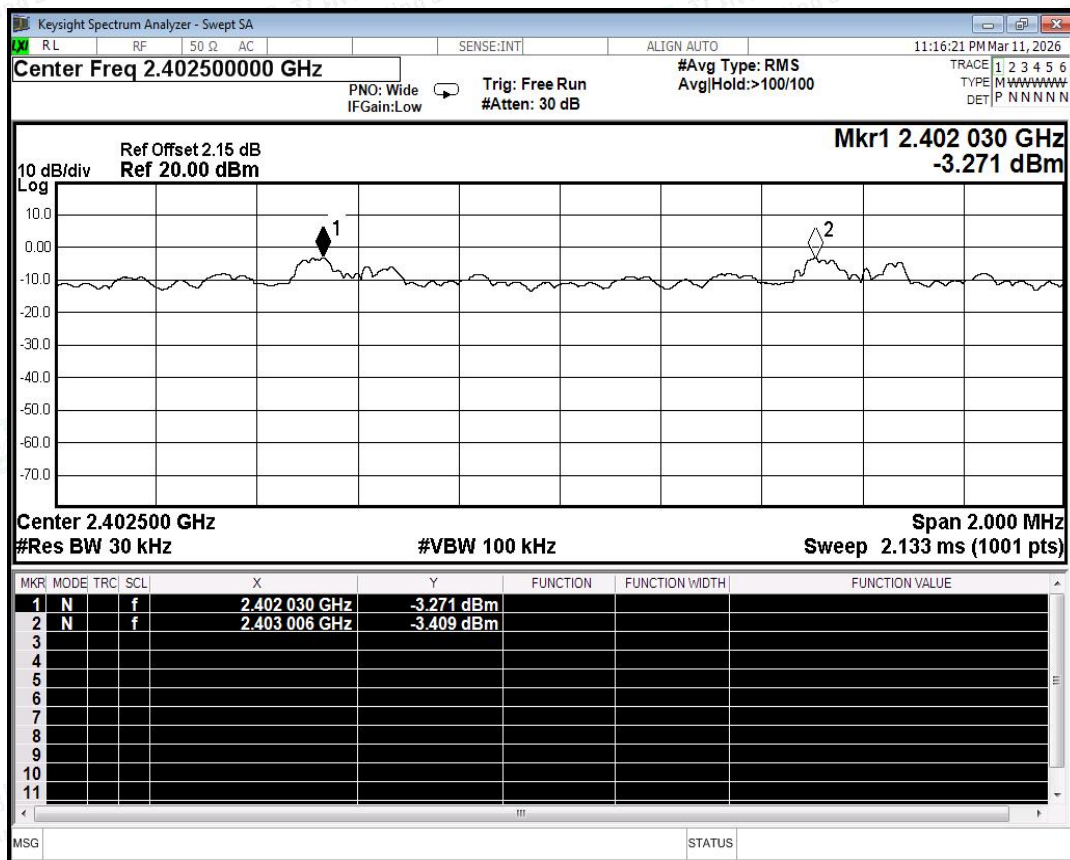
A.3 Carrier Frequencies Separation

Condition	Mode	Ant0enna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant0	2402.012	2403.026	1.014	0.680	Pass
NVNT	2-DH5	Ant0	2402.03	2403.006	0.976	0.878	Pass
NVNT	3-DH5	Ant0	2402.028	2403.026	0.998	0.864	Pass





CFS NVNT 1-DH5 2402MHz Ant0



CFS NVNT 2-DH5 2402MHz Ant0

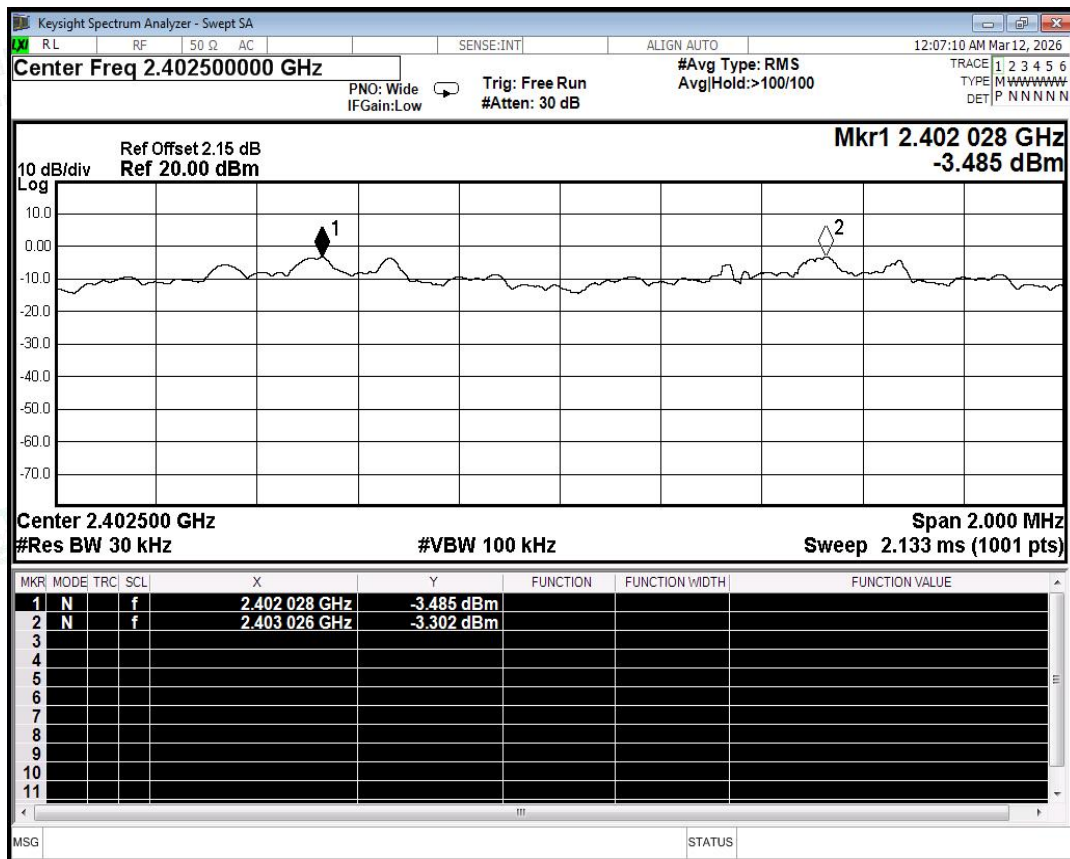


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CFS NVNT 3-DH5 2402MHz Ant0



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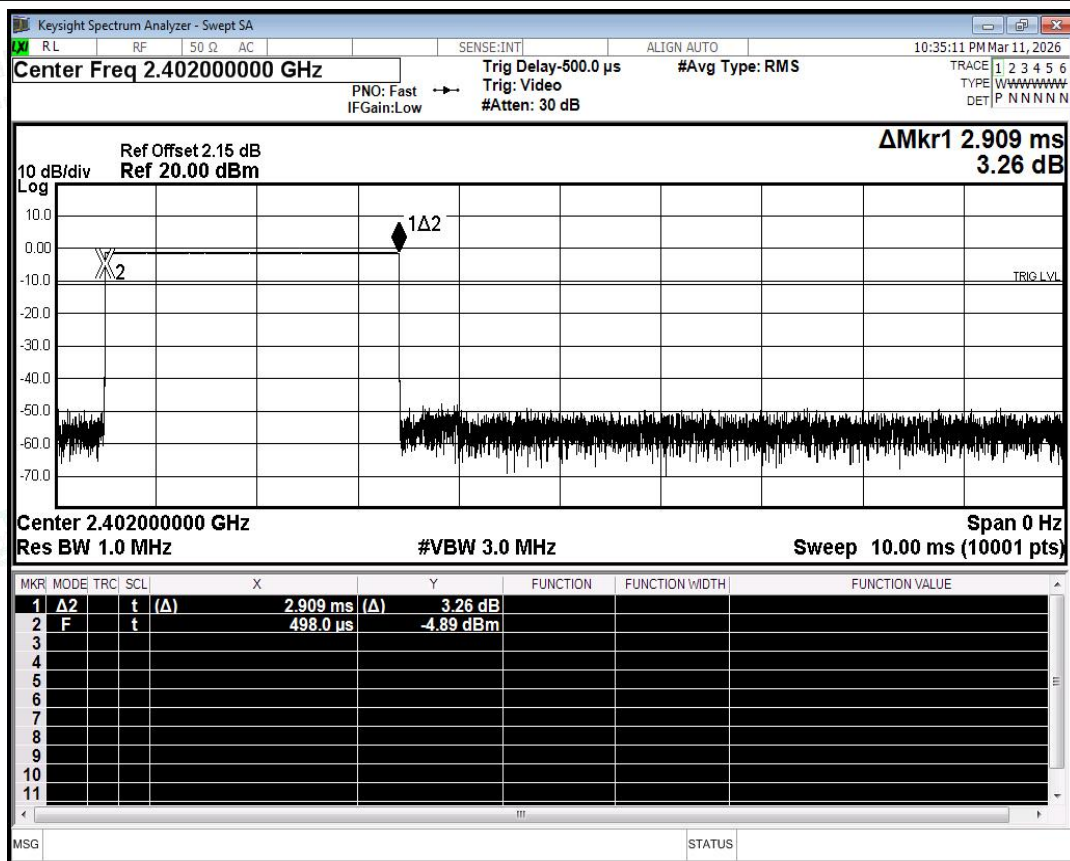
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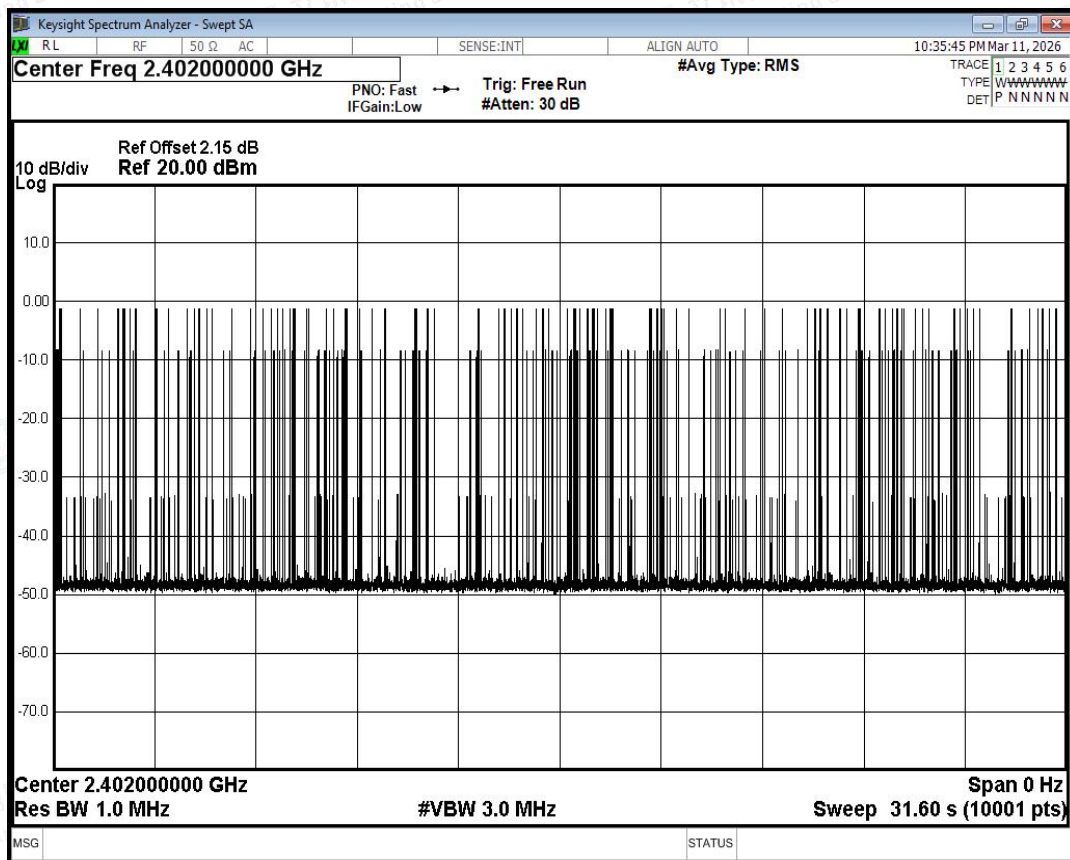
A.4 Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant0	2.909	331.626	114	31600	400	Pass
NVNT	2-DH5	2402	Ant0	2.88	319.68	111	31600	400	Pass
NVNT	3-DH5	2402	Ant0	2.896	301.184	104	31600	400	Pass





Dwell NVNT 1-DH5 2402MHz Ant0 One Burst



Dwell NVNT 1-DH5 2402MHz Ant0 Accumulated

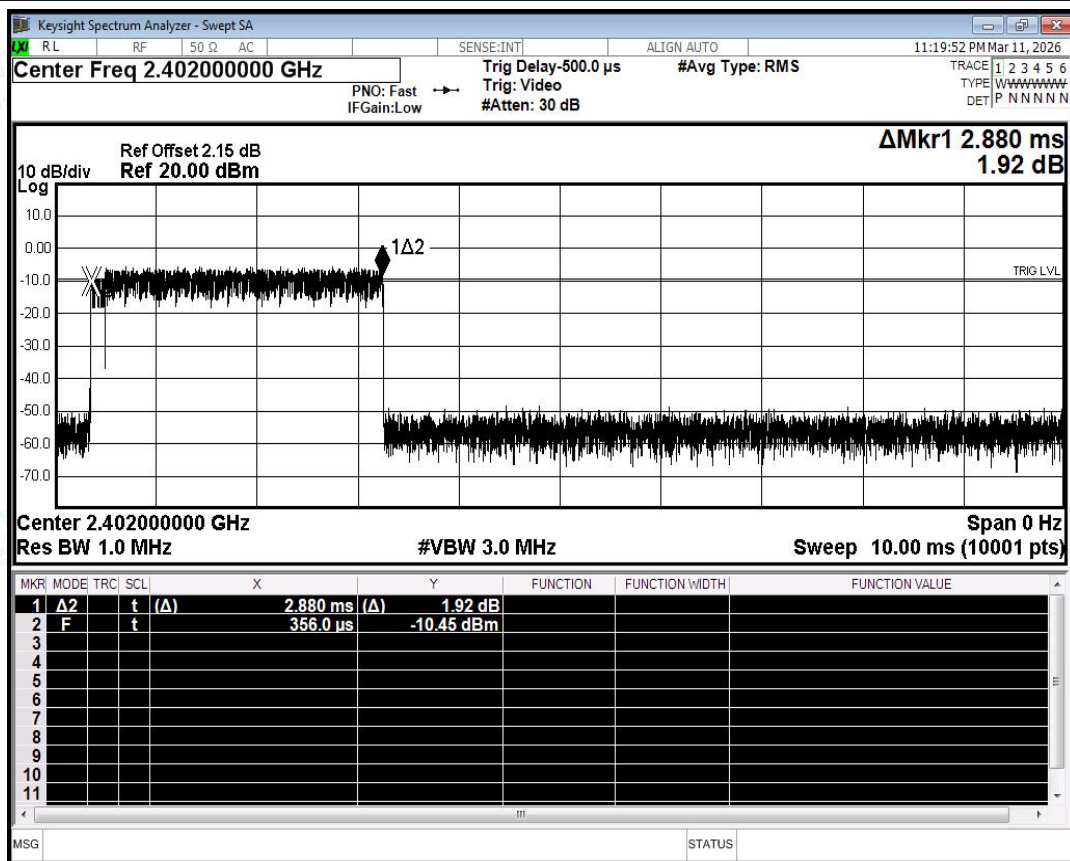


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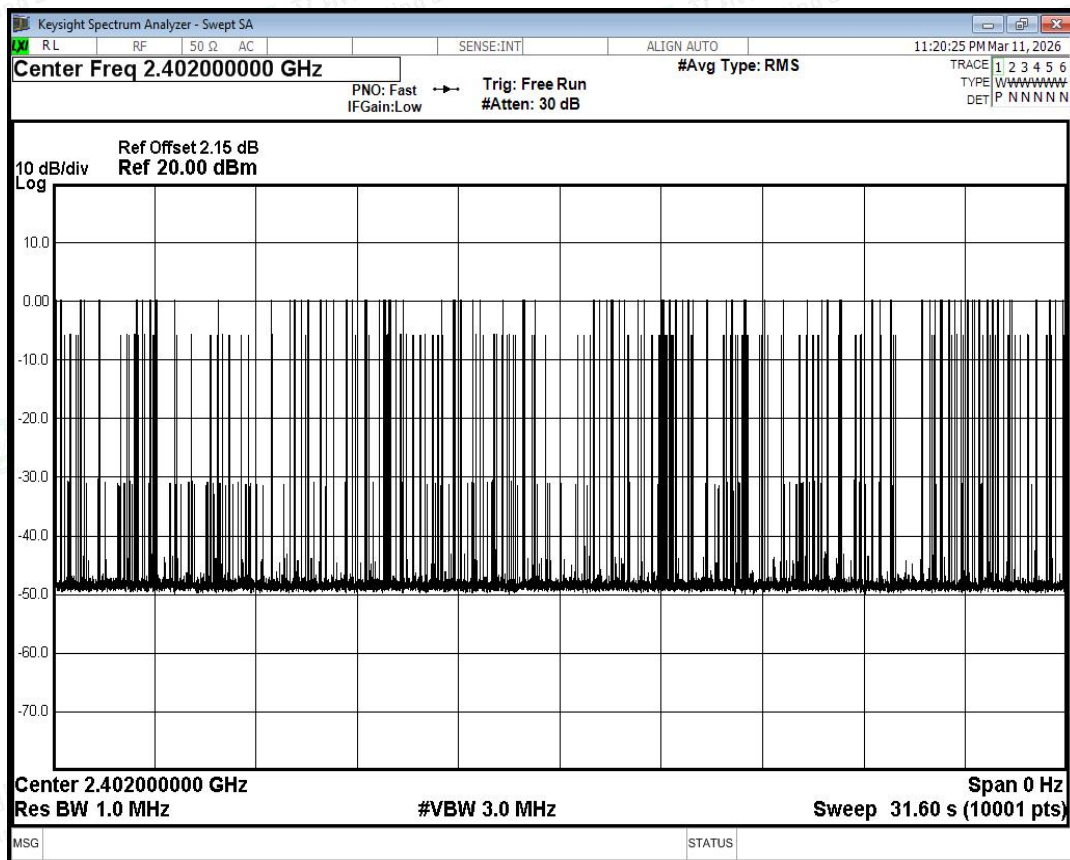
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Dwell NVNT 2-DH5 2402MHz Ant0 One Burst



Dwell NVNT 2-DH5 2402MHz Ant0 Accumulated

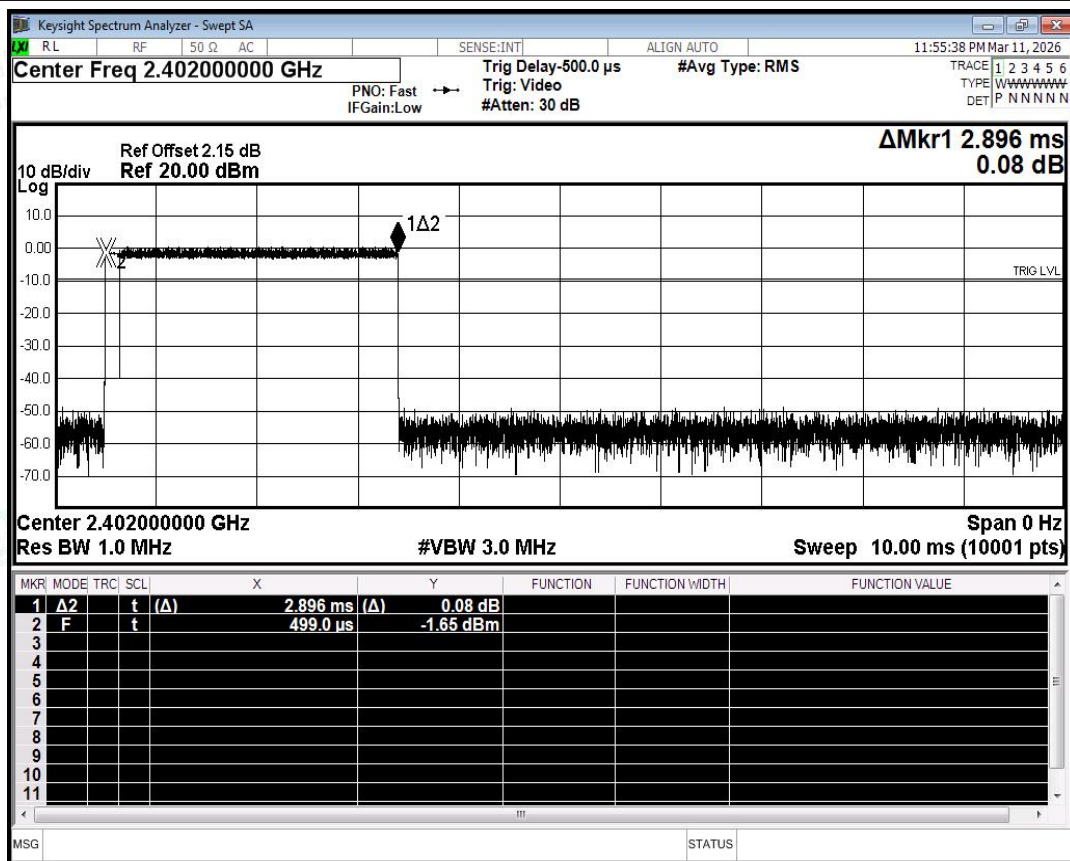


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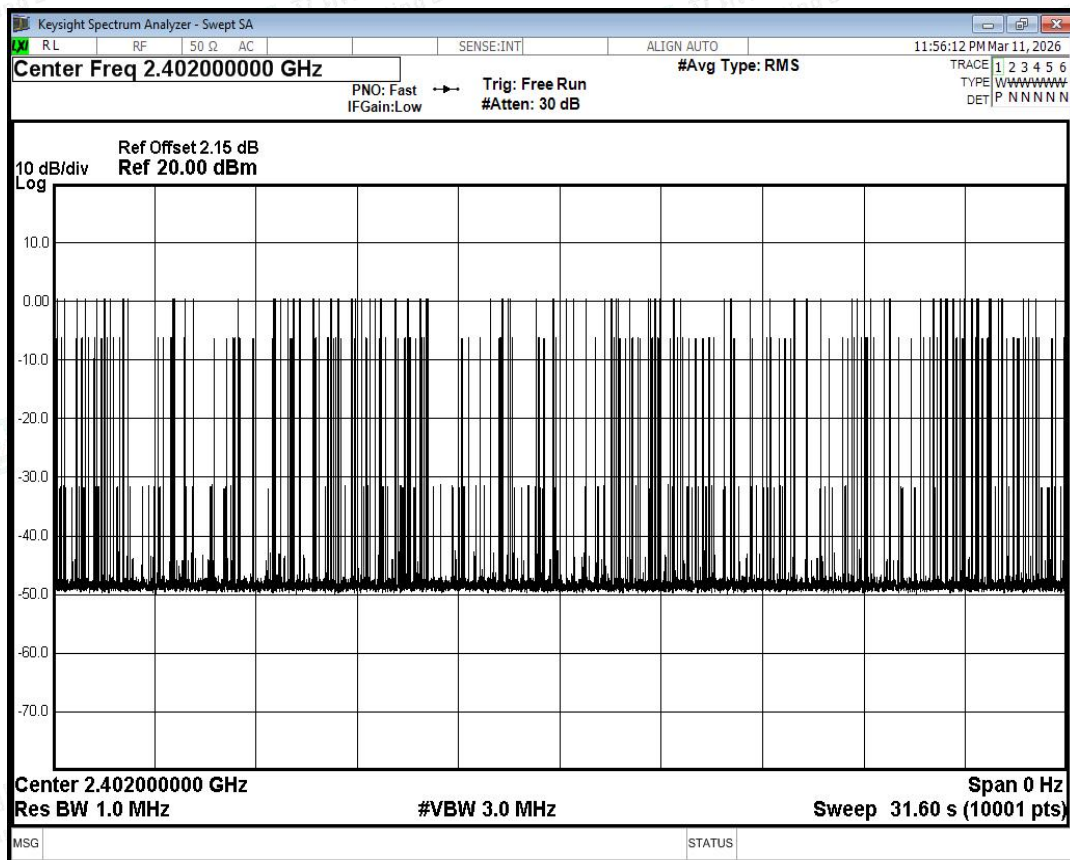
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Dwell NVNT 3-DH5 2402MHz Ant0 One Burst



Dwell NVNT 3-DH5 2402MHz Ant0 Accumulated



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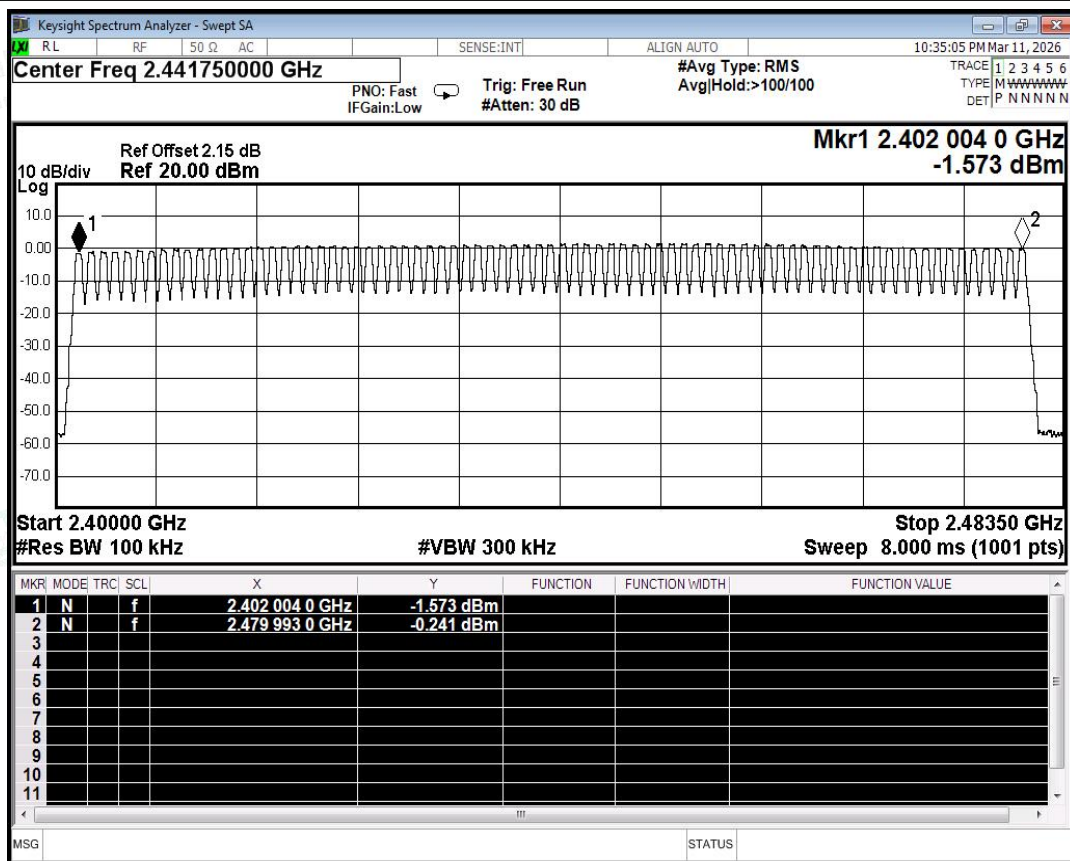
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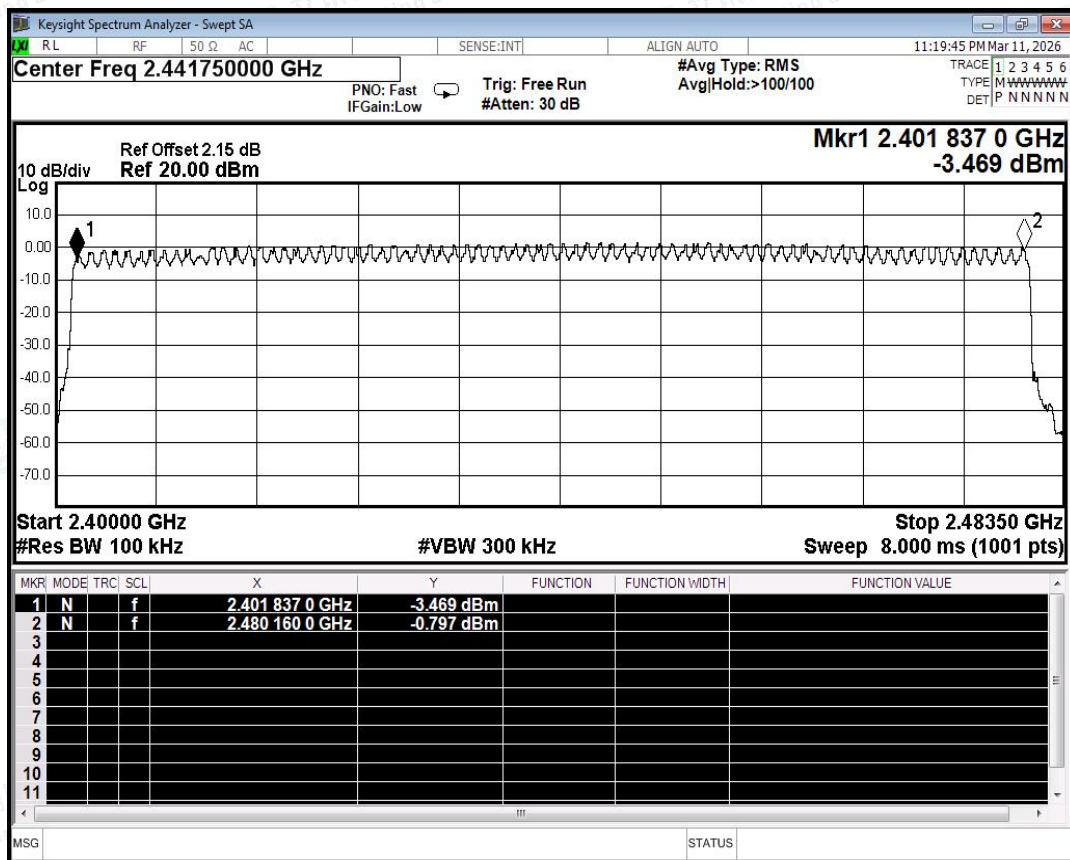
A.5 Number of Hopping Channel

Condition	Mode	Ant0enna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant0	79	15	Pass
NVNT	2-DH5	Ant0	79	15	Pass
NVNT	3-DH5	Ant0	79	15	Pass





Hopping No. NVNT 1-DH5 2402MHz Ant0



Hopping No. NVNT 2-DH5 2402MHz Ant0

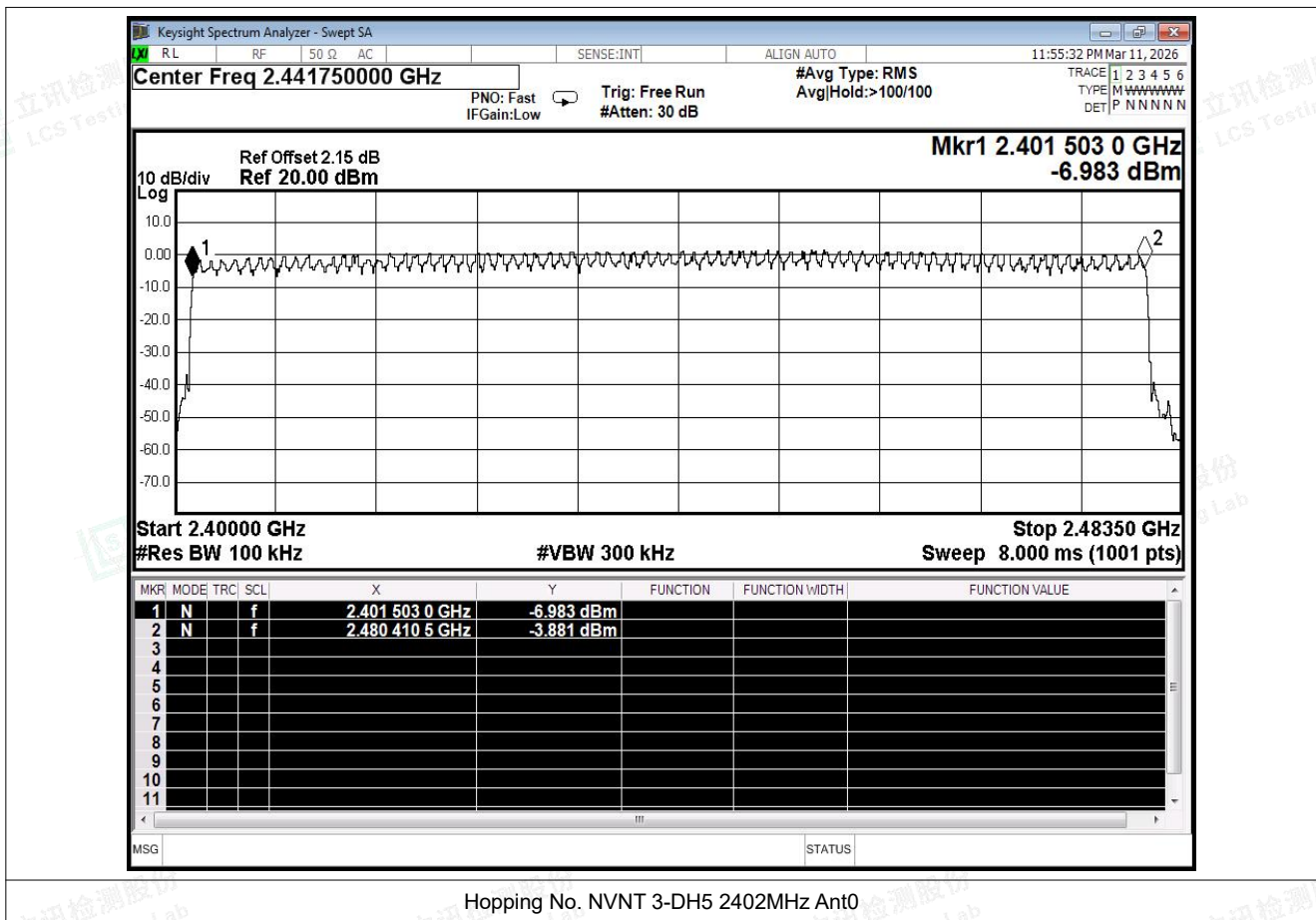


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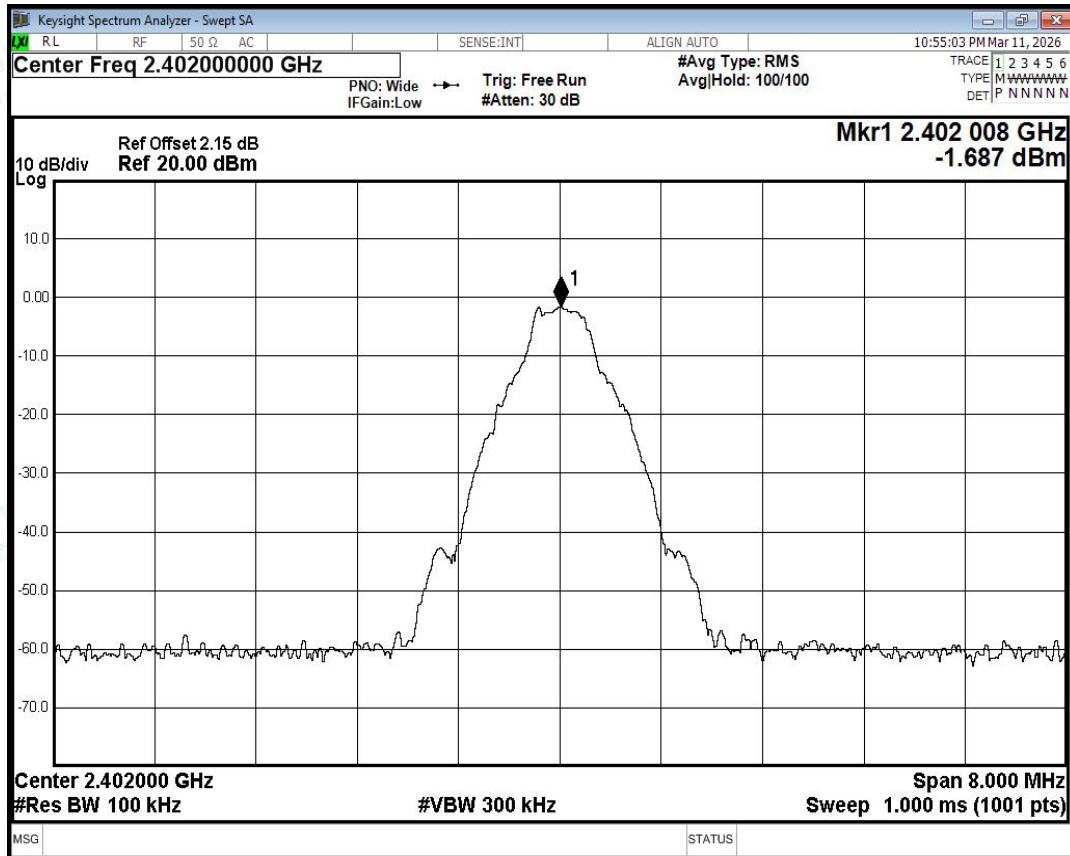




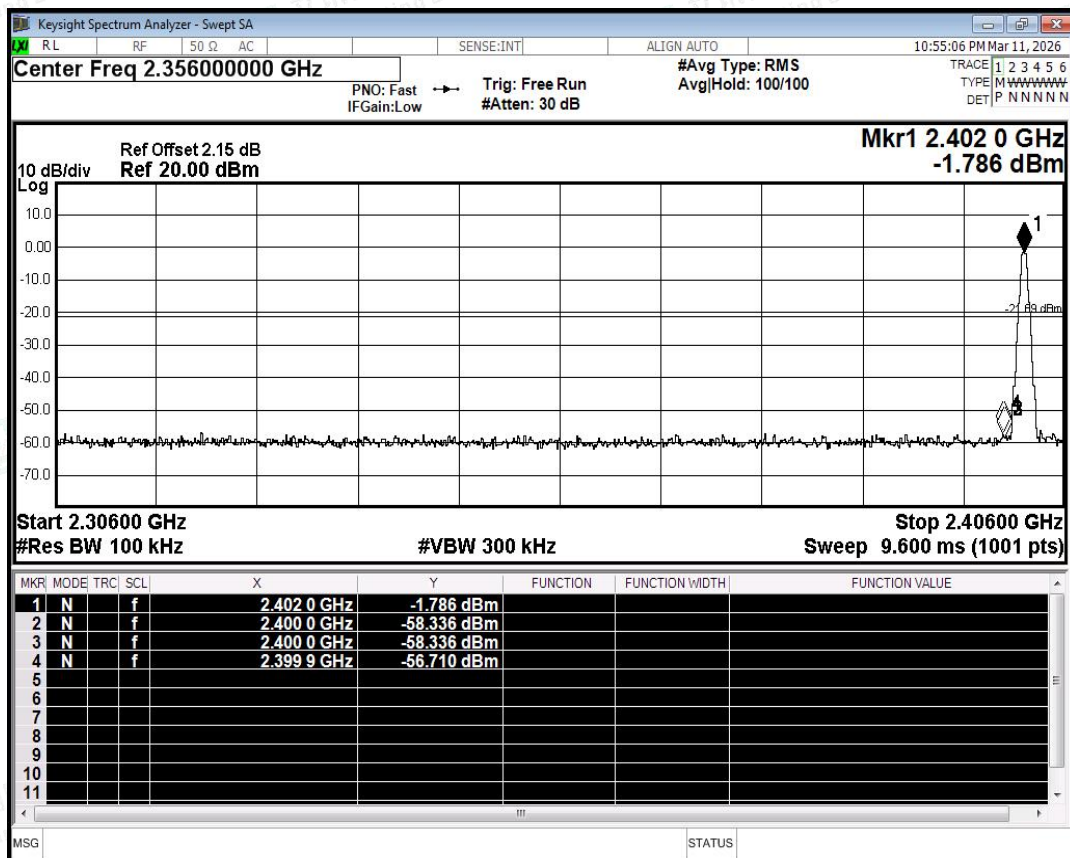
A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant0	No-Hopping	-55.02	-20	Pass
NVNT	1-DH5	2480	Ant0	No-Hopping	-56.65	-20	Pass
NVNT	2-DH5	2402	Ant0	No-Hopping	-49.97	-20	Pass
NVNT	2-DH5	2480	Ant0	No-Hopping	-56.46	-20	Pass
NVNT	3-DH5	2402	Ant0	No-Hopping	-49.97	-20	Pass
NVNT	3-DH5	2480	Ant0	No-Hopping	-54.13	-20	Pass





Band Edge NVNT 1-DH5 2402MHz Ant0 No-Hopping Ref



Band Edge NVNT 1-DH5 2402MHz Ant0 No-Hopping Emission



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