



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Wireless FM Transmitter

Test Model: VM-203S

Environmental Conditions

Temperature:	24.6°C
Relative Humidity:	53.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun

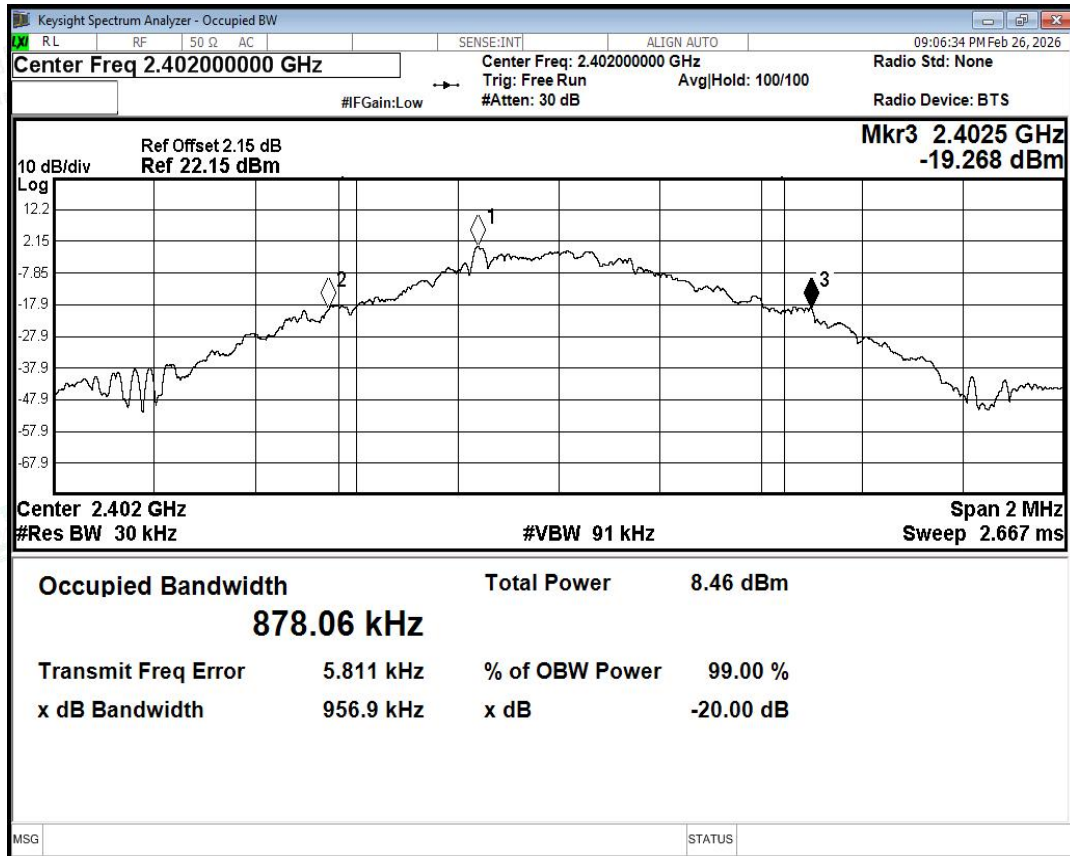




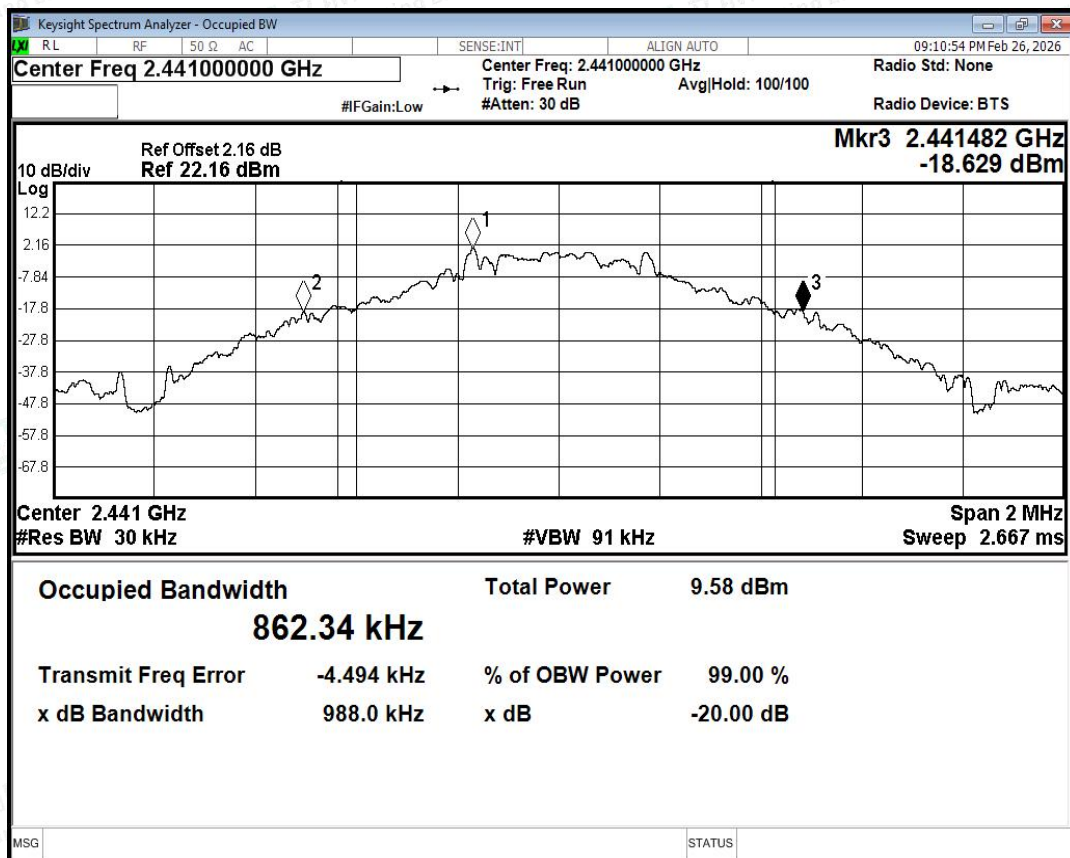
A.1 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.9569	No Limit	Pass
NVNT	1-DH5	2441	Ant1	0.988	No Limit	Pass
NVNT	1-DH5	2480	Ant1	1.004	No Limit	Pass
NVNT	2-DH5	2402	Ant1	1.285	No Limit	Pass
NVNT	2-DH5	2441	Ant1	1.309	No Limit	Pass
NVNT	2-DH5	2480	Ant1	1.322	No Limit	Pass
NVNT	3-DH5	2402	Ant1	1.307	No Limit	Pass
NVNT	3-DH5	2441	Ant1	1.301	No Limit	Pass
NVNT	3-DH5	2480	Ant1	1.29	No Limit	Pass





-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

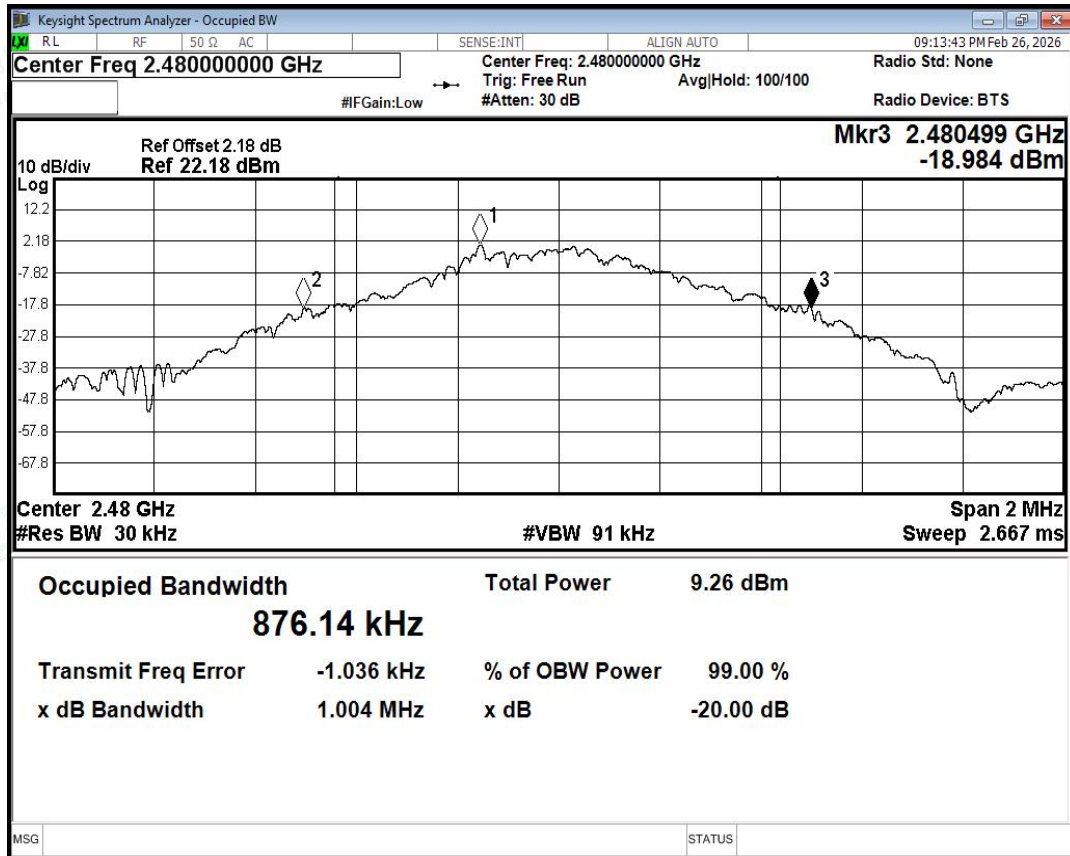


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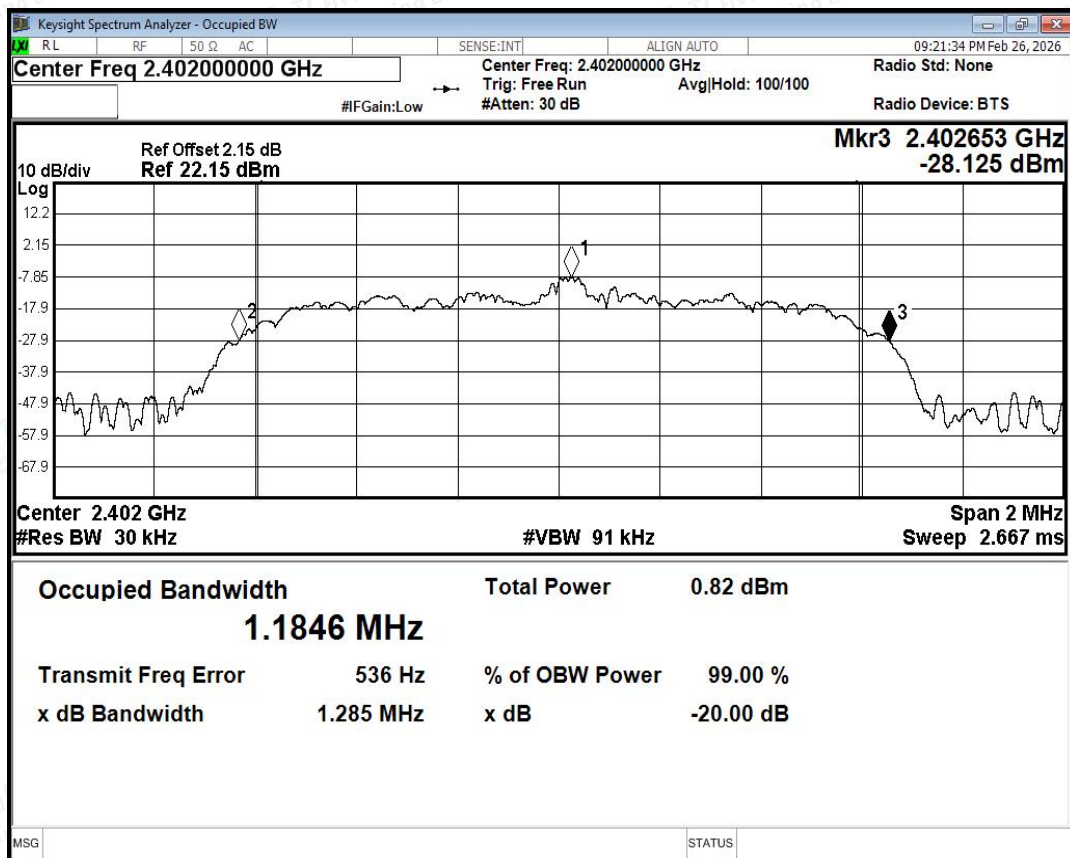
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-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

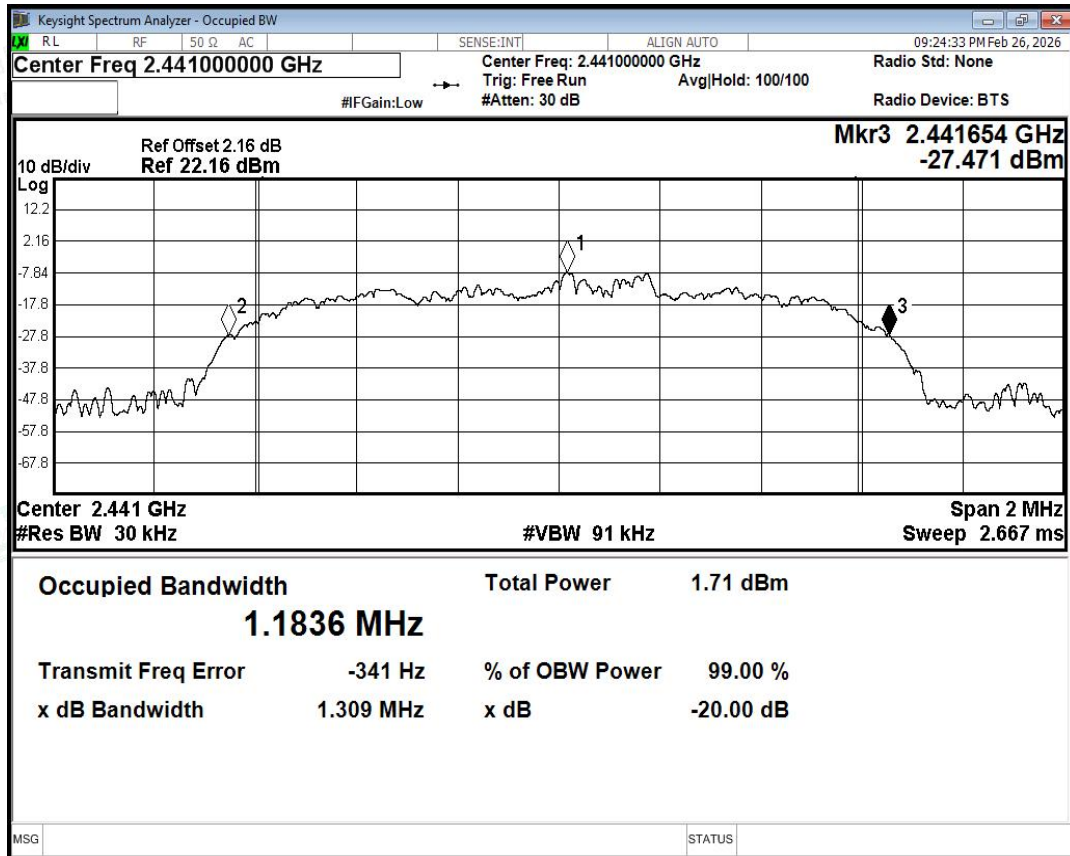


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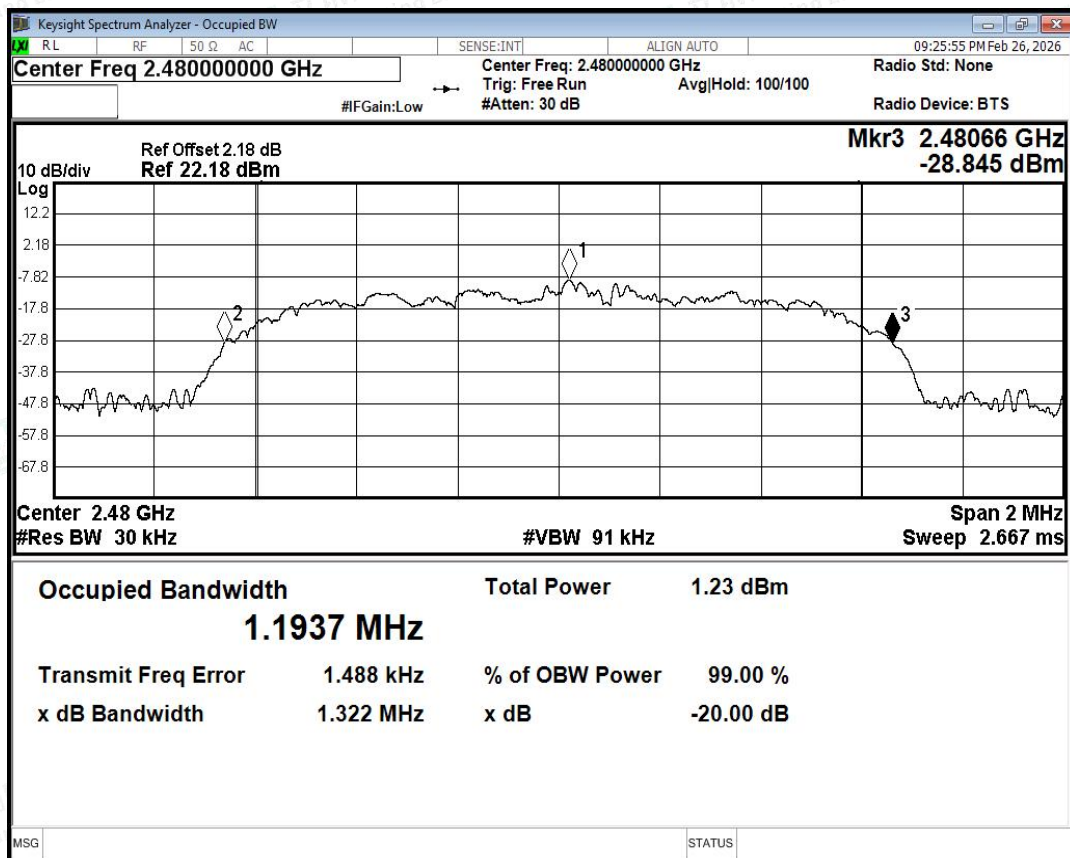
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-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

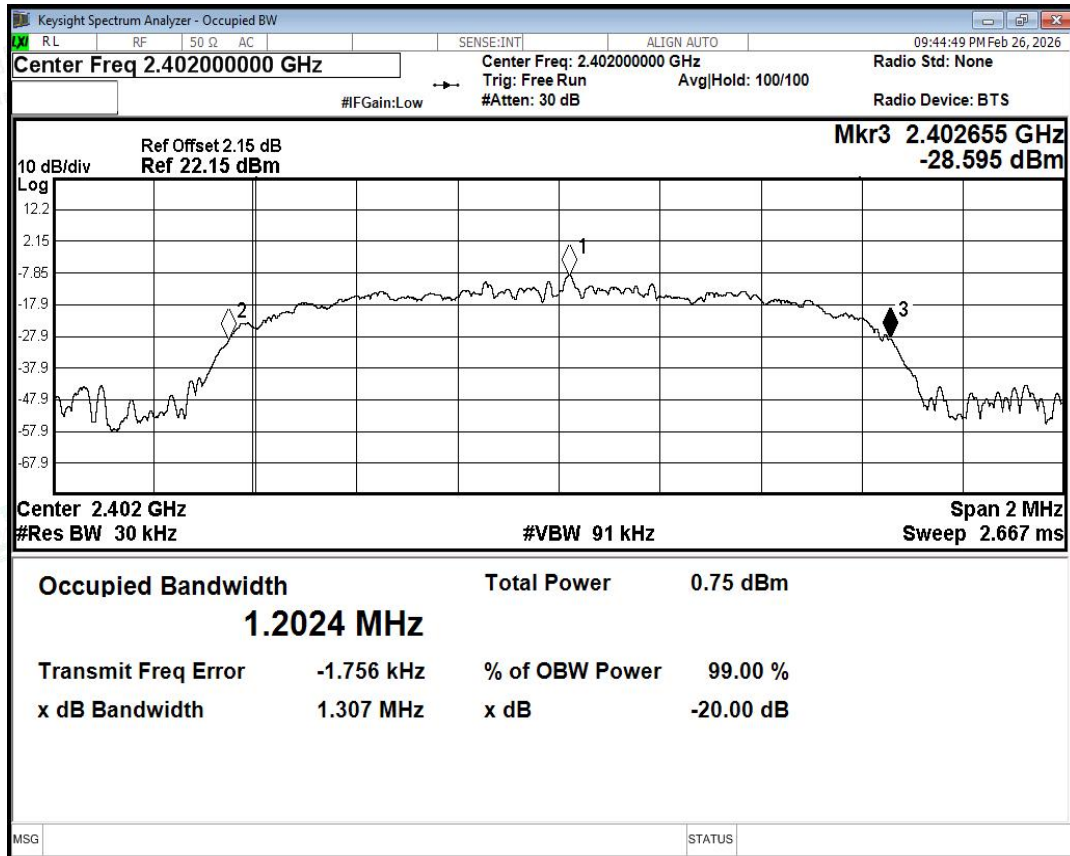


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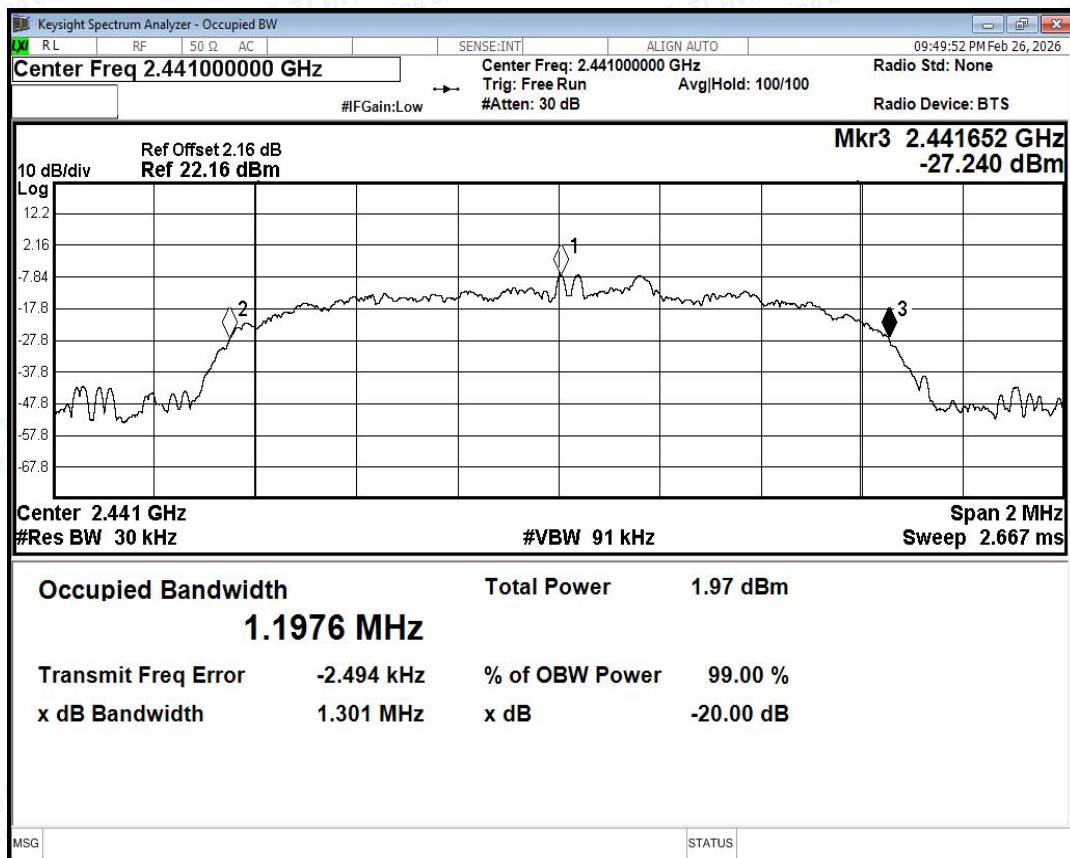
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-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1

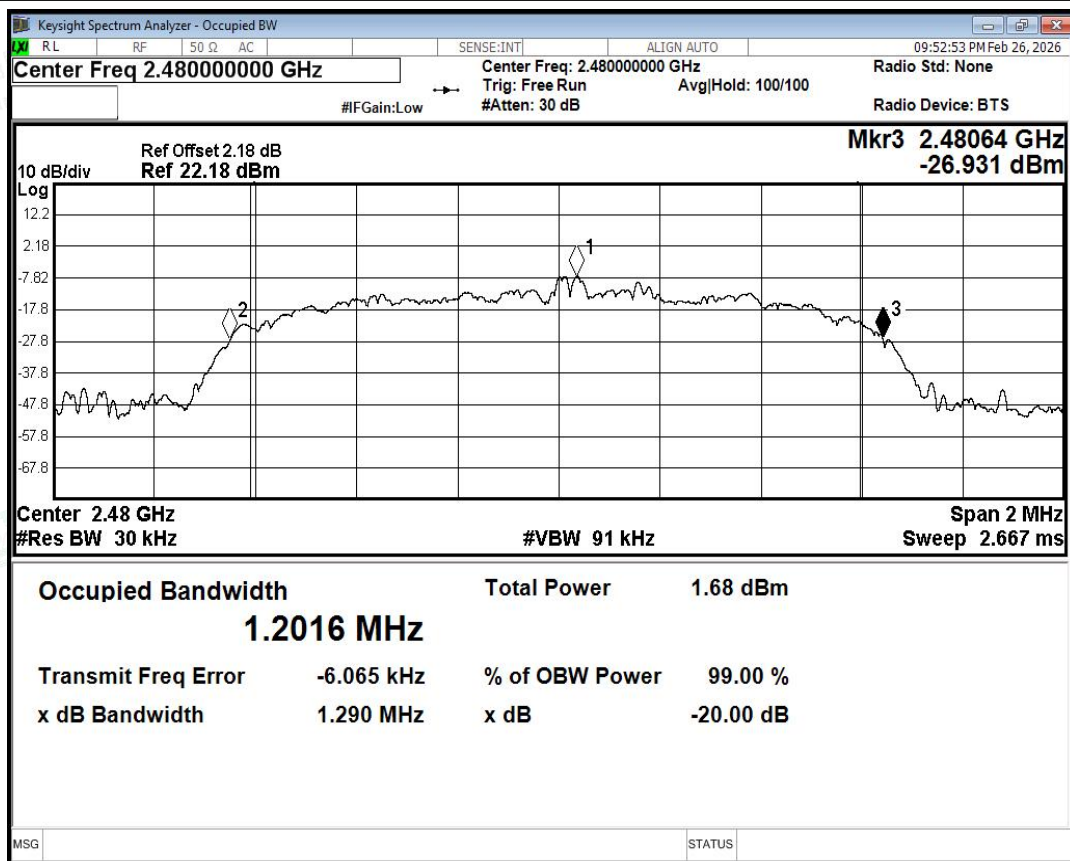


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-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1



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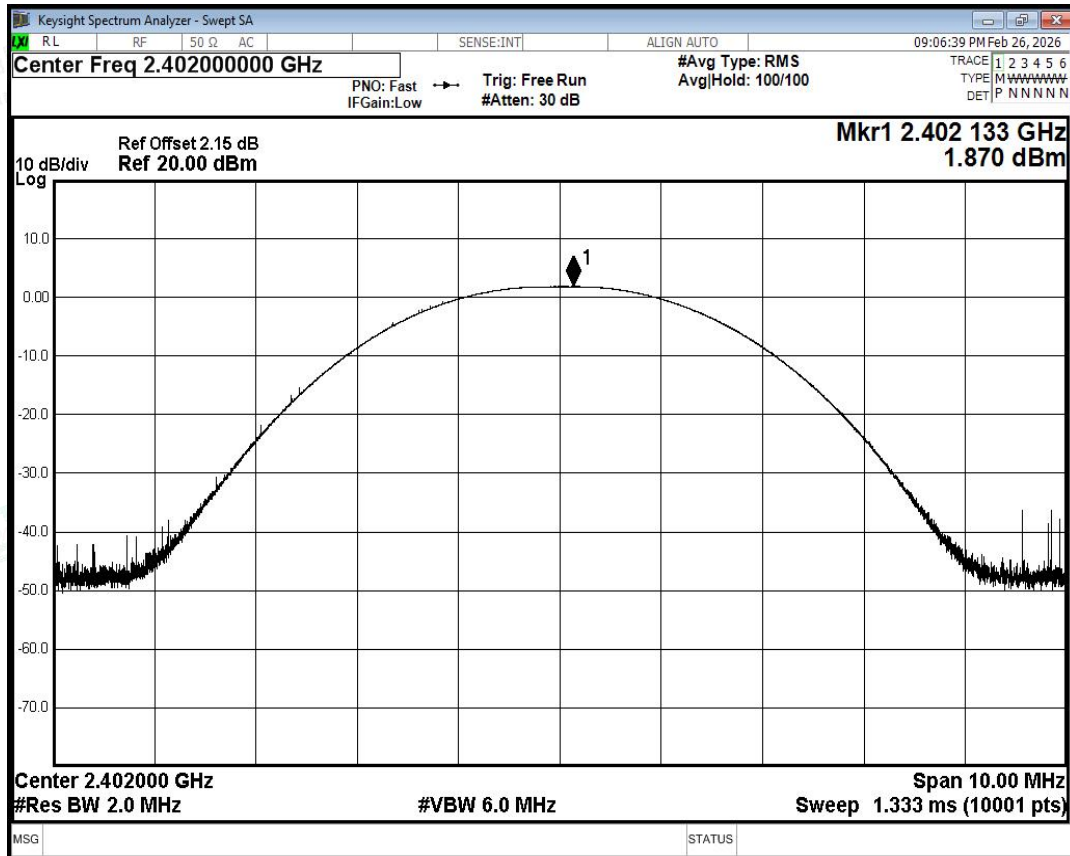
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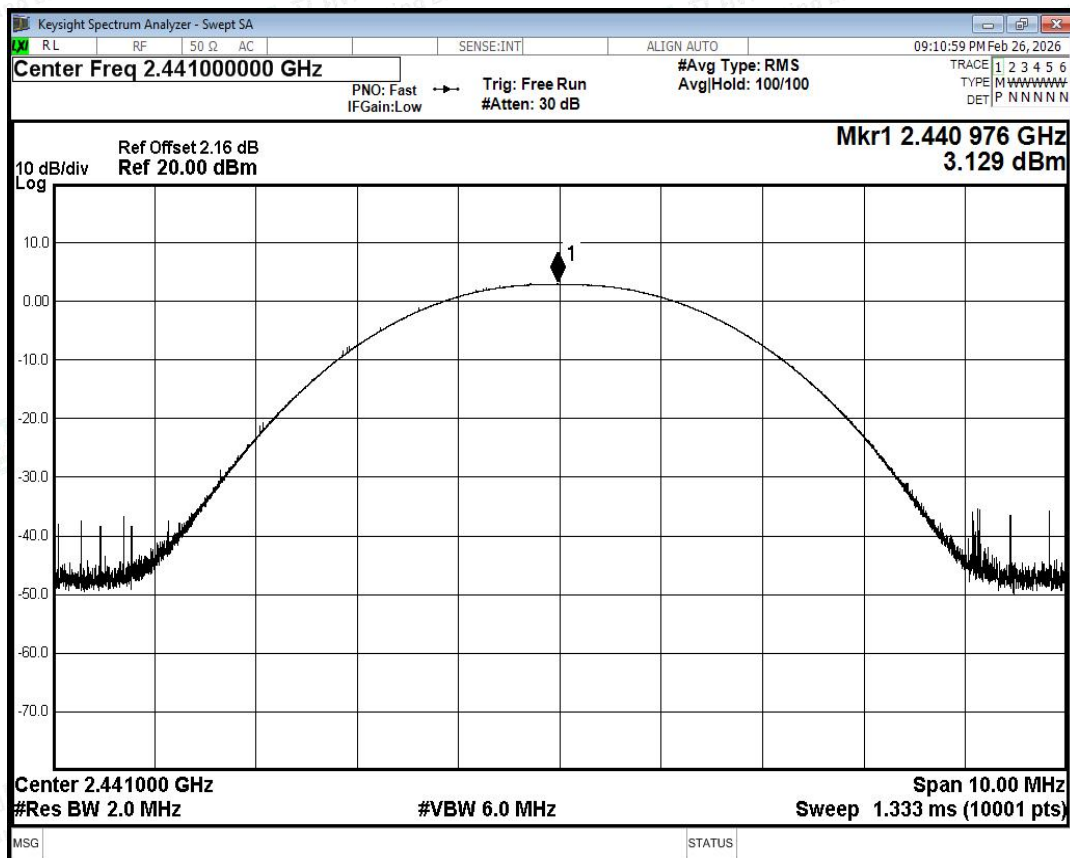
A.2 Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	1-DH5	2402	Ant1	1.87	30	Pass
NVNT	1-DH5	2441	Ant1	3.13	30	Pass
NVNT	1-DH5	2480	Ant1	2.8	30	Pass
NVNT	2-DH5	2402	Ant1	-4.02	30	Pass
NVNT	2-DH5	2441	Ant1	-3.23	30	Pass
NVNT	2-DH5	2480	Ant1	-3.49	30	Pass
NVNT	3-DH5	2402	Ant1	-3.61	30	Pass
NVNT	3-DH5	2441	Ant1	-2.88	30	Pass
NVNT	3-DH5	2480	Ant1	-3.28	30	Pass





Peak Power NVNT 1-DH5 2402MHz Ant1



Peak Power NVNT 1-DH5 2441MHz Ant1

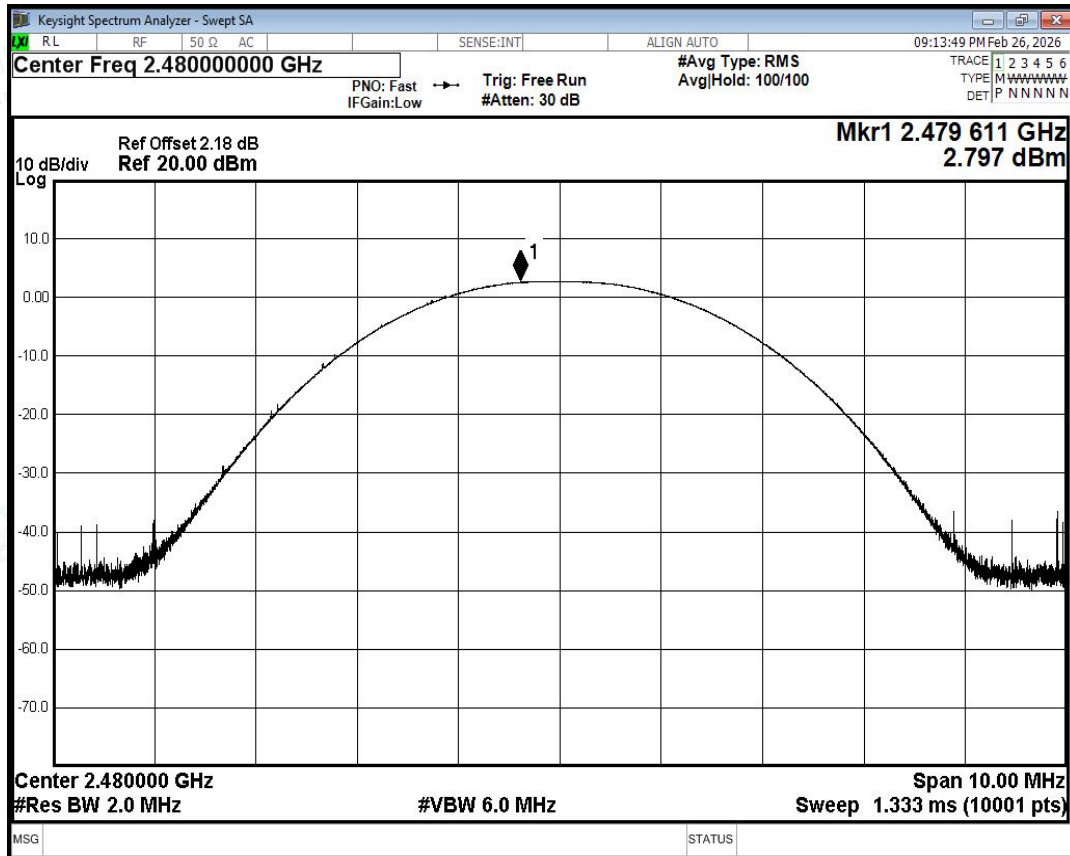


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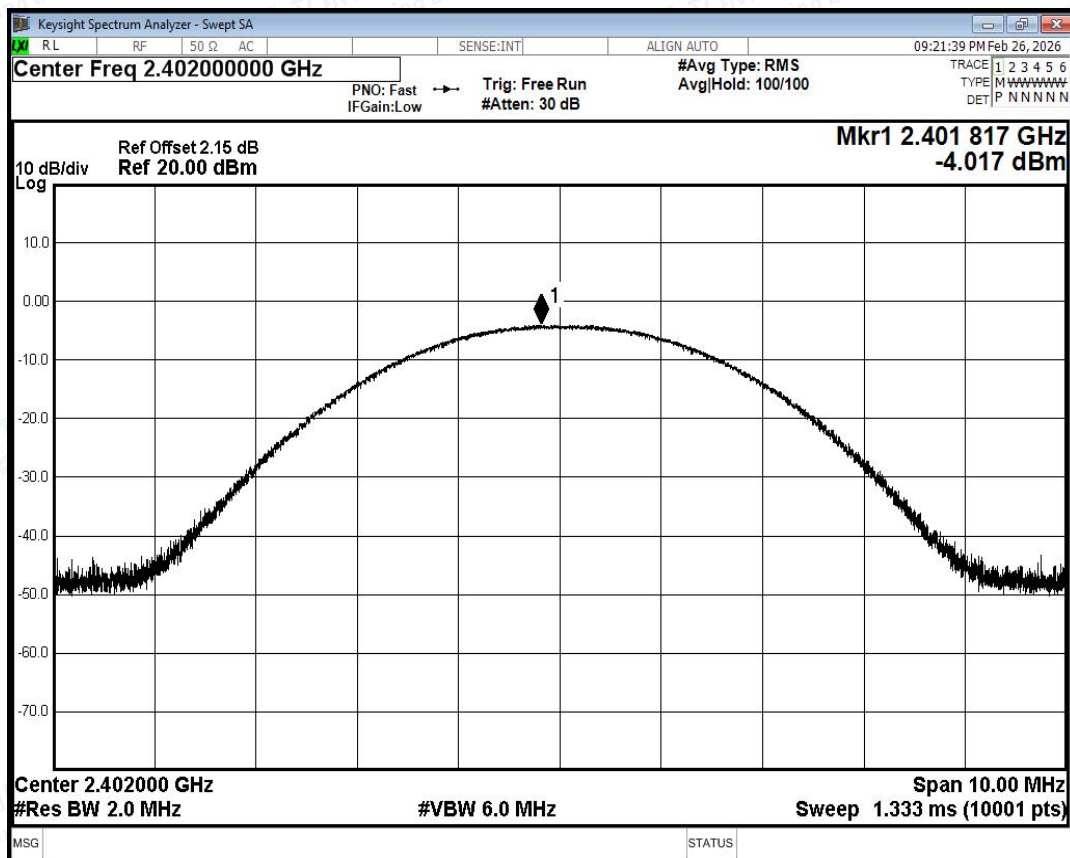
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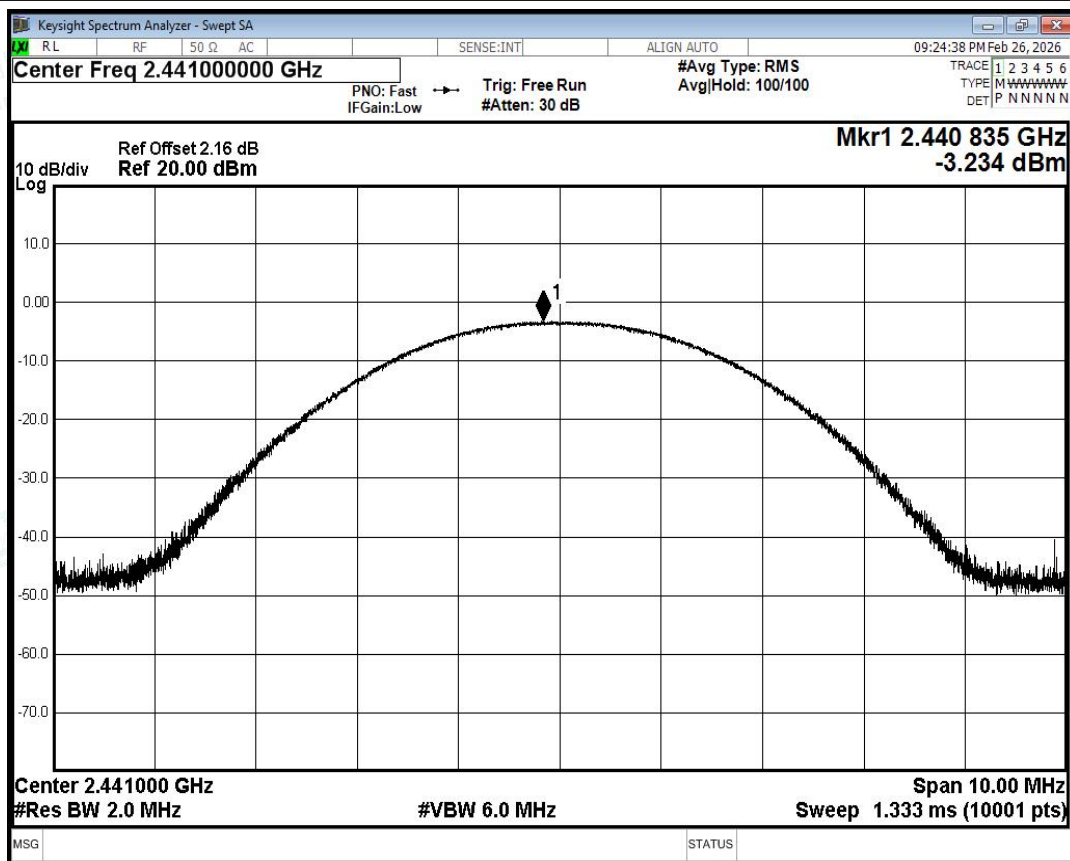


Peak Power NVNT 1-DH5 2480MHz Ant1

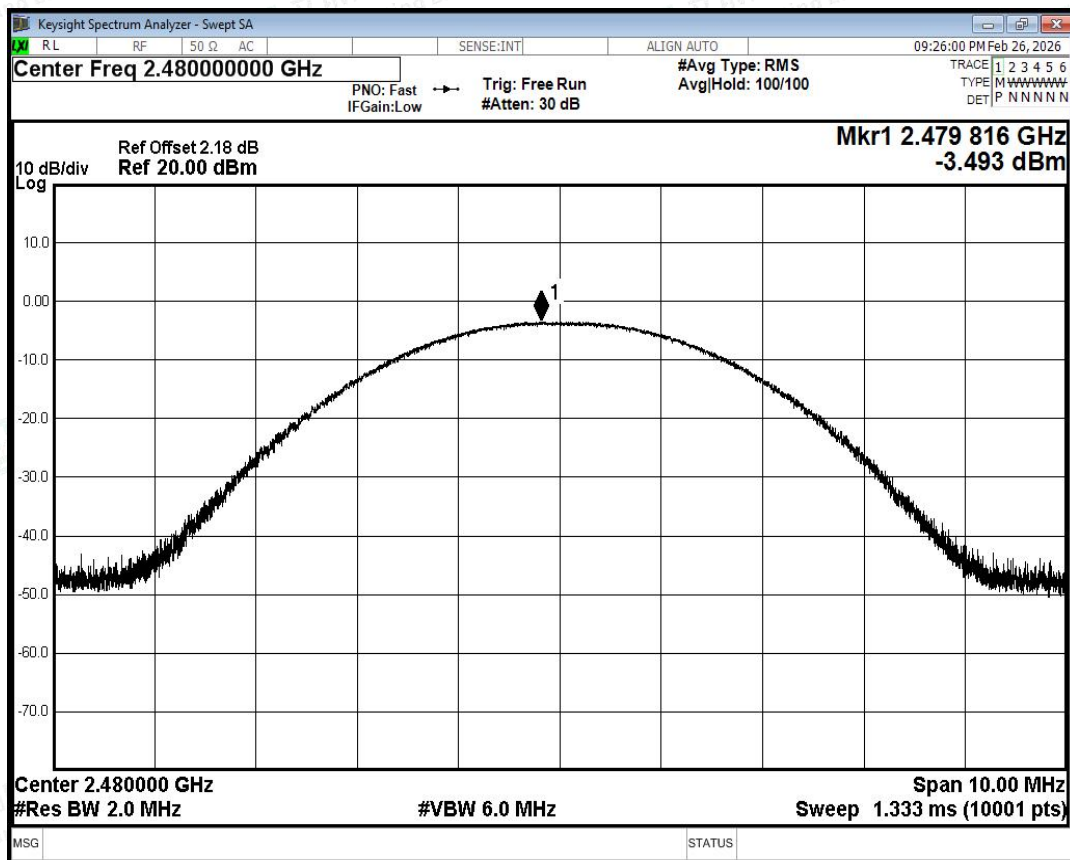


Peak Power NVNT 2-DH5 2402MHz Ant1



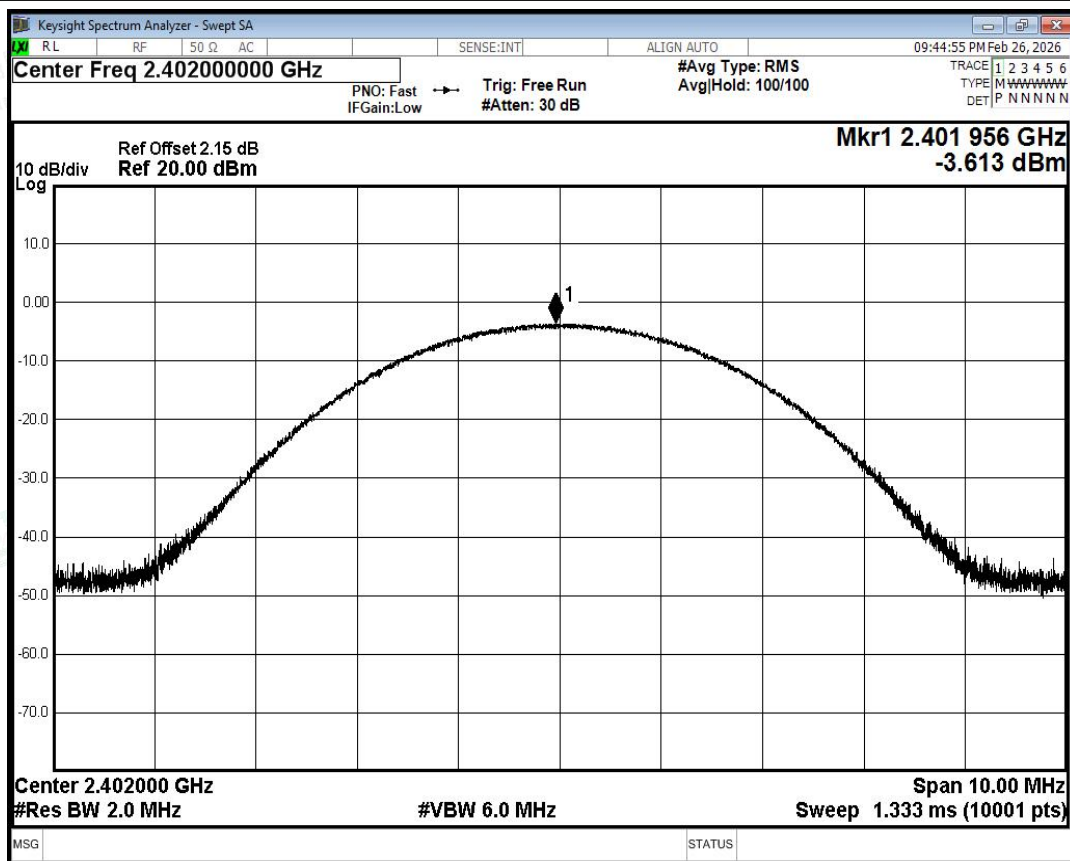


Peak Power NVNT 2-DH5 2441MHz Ant1

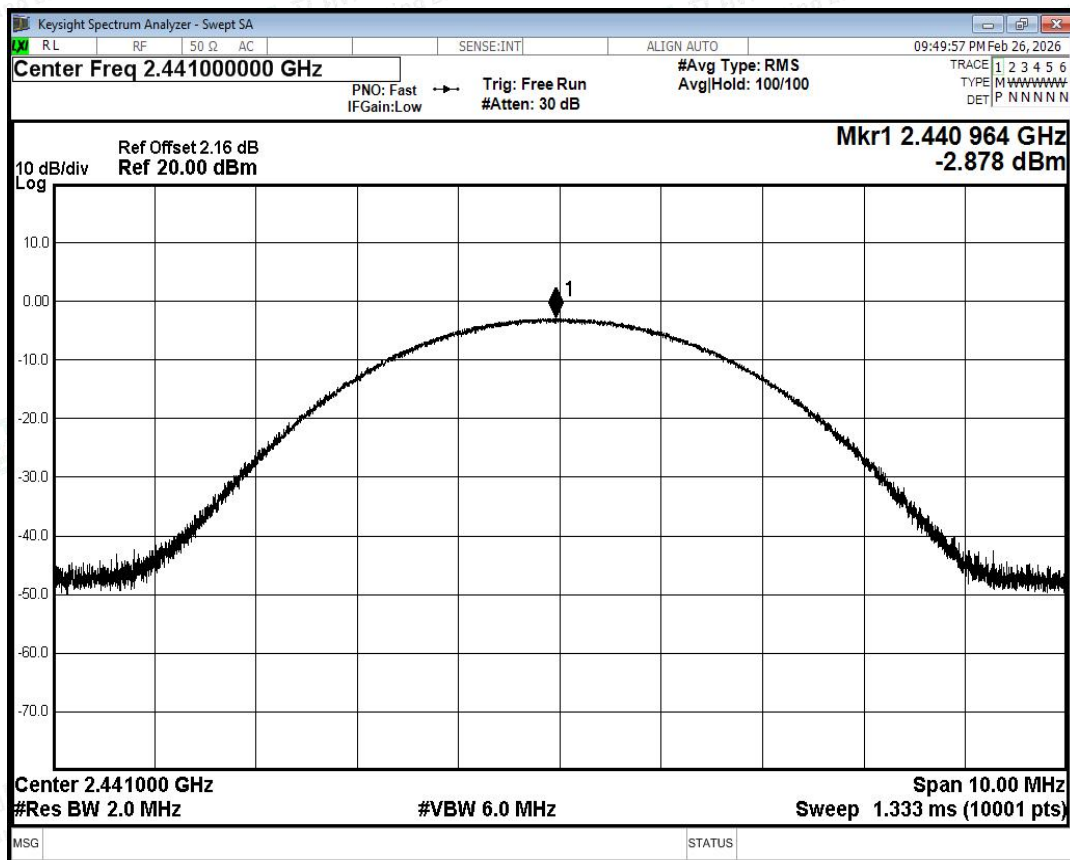


Peak Power NVNT 2-DH5 2480MHz Ant1





Peak Power NVNT 3-DH5 2402MHz Ant1



Peak Power NVNT 3-DH5 2441MHz Ant1

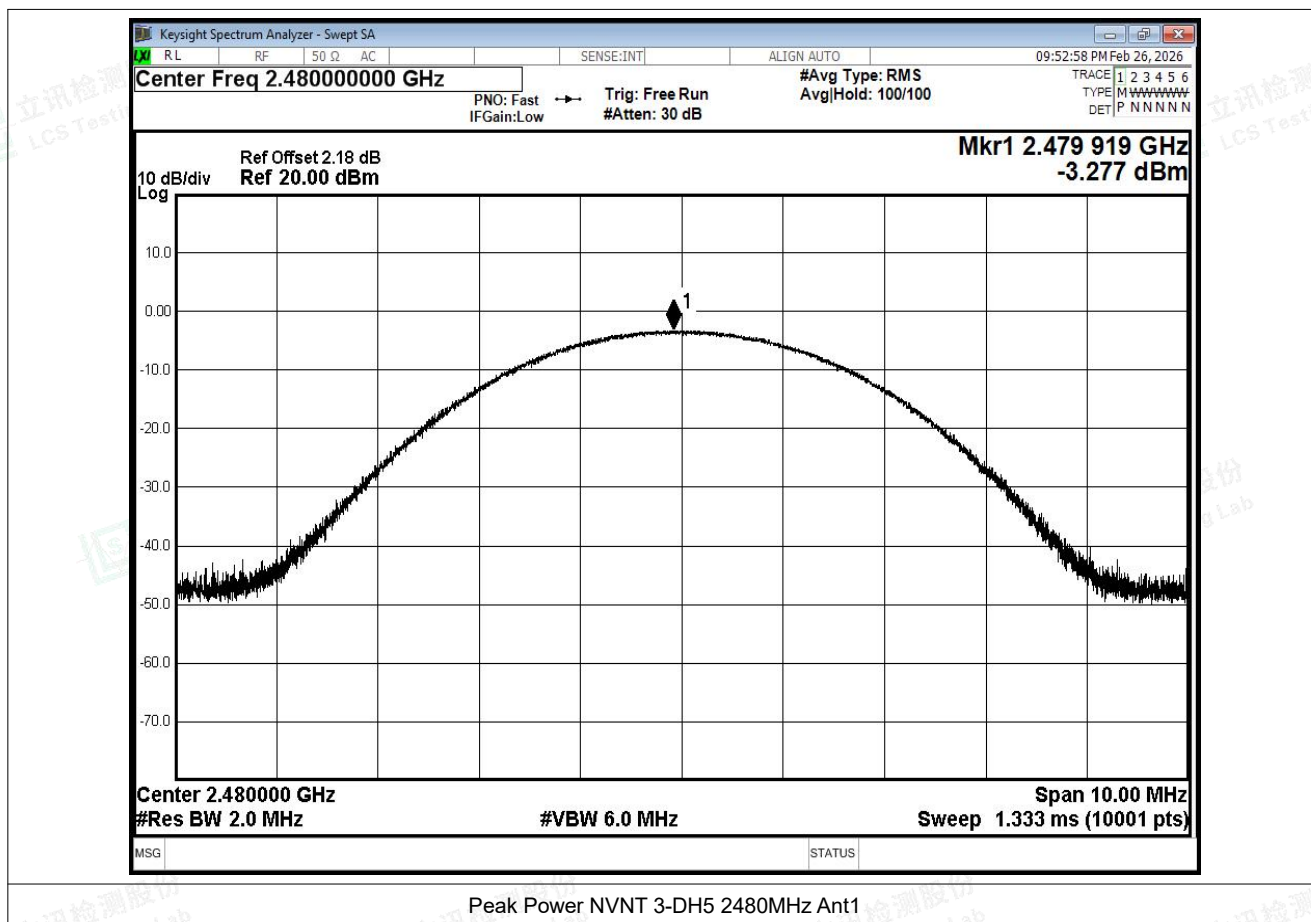


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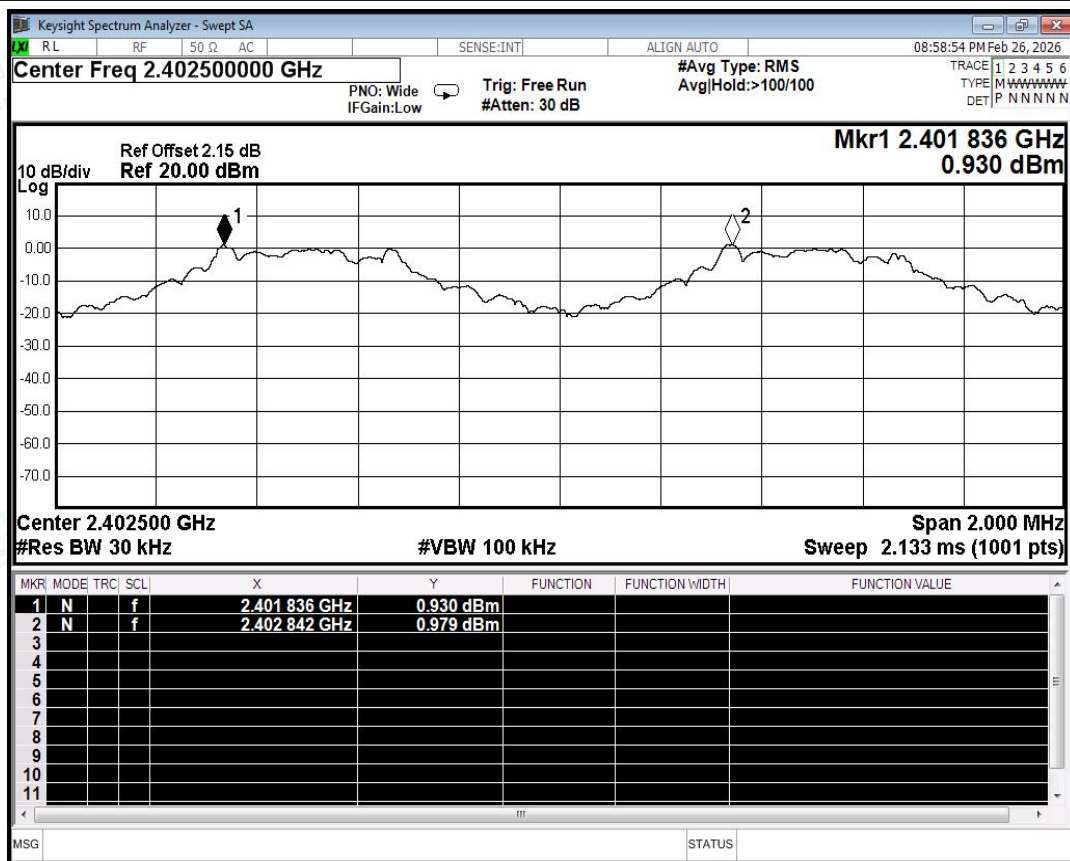




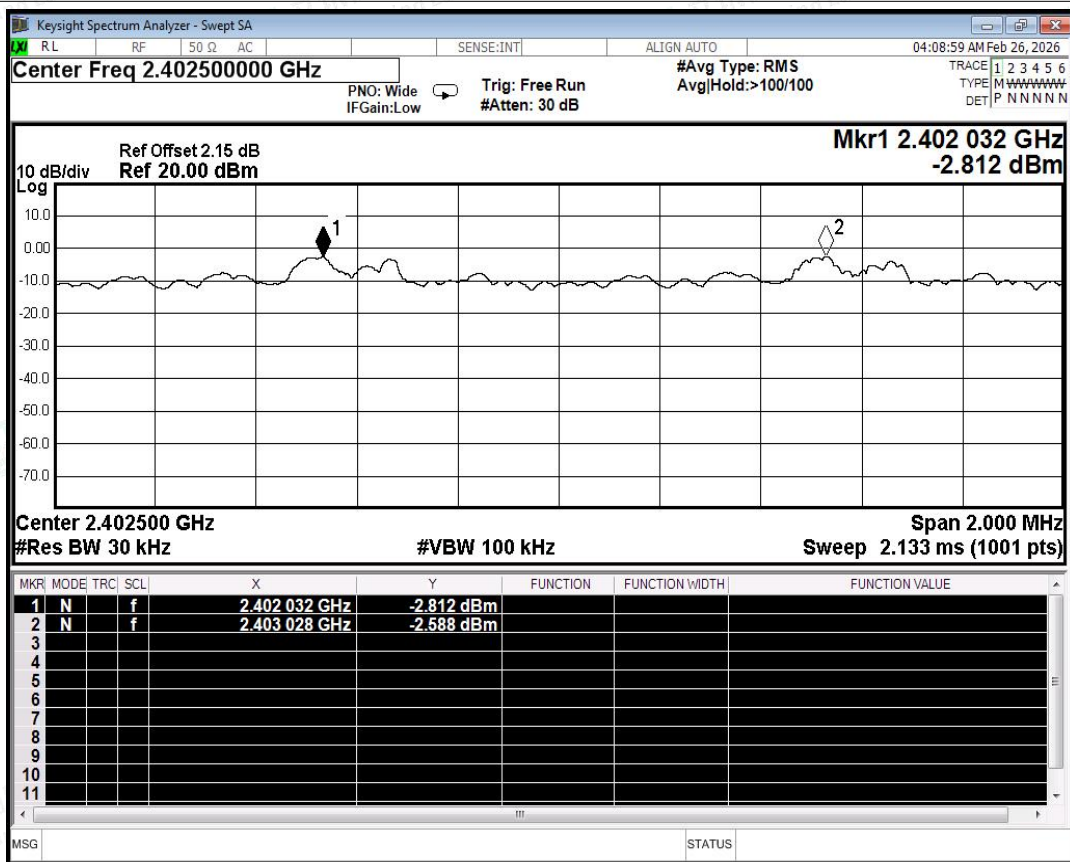
A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.836	2402.842	1.006	0.669	Pass
NVNT	2-DH5	Ant1	2402.338	2402.998	0.996	0.881	Pass
NVNT	3-DH5	Ant1	2401.998	2403.026	1.028	0.871	Pass





CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1

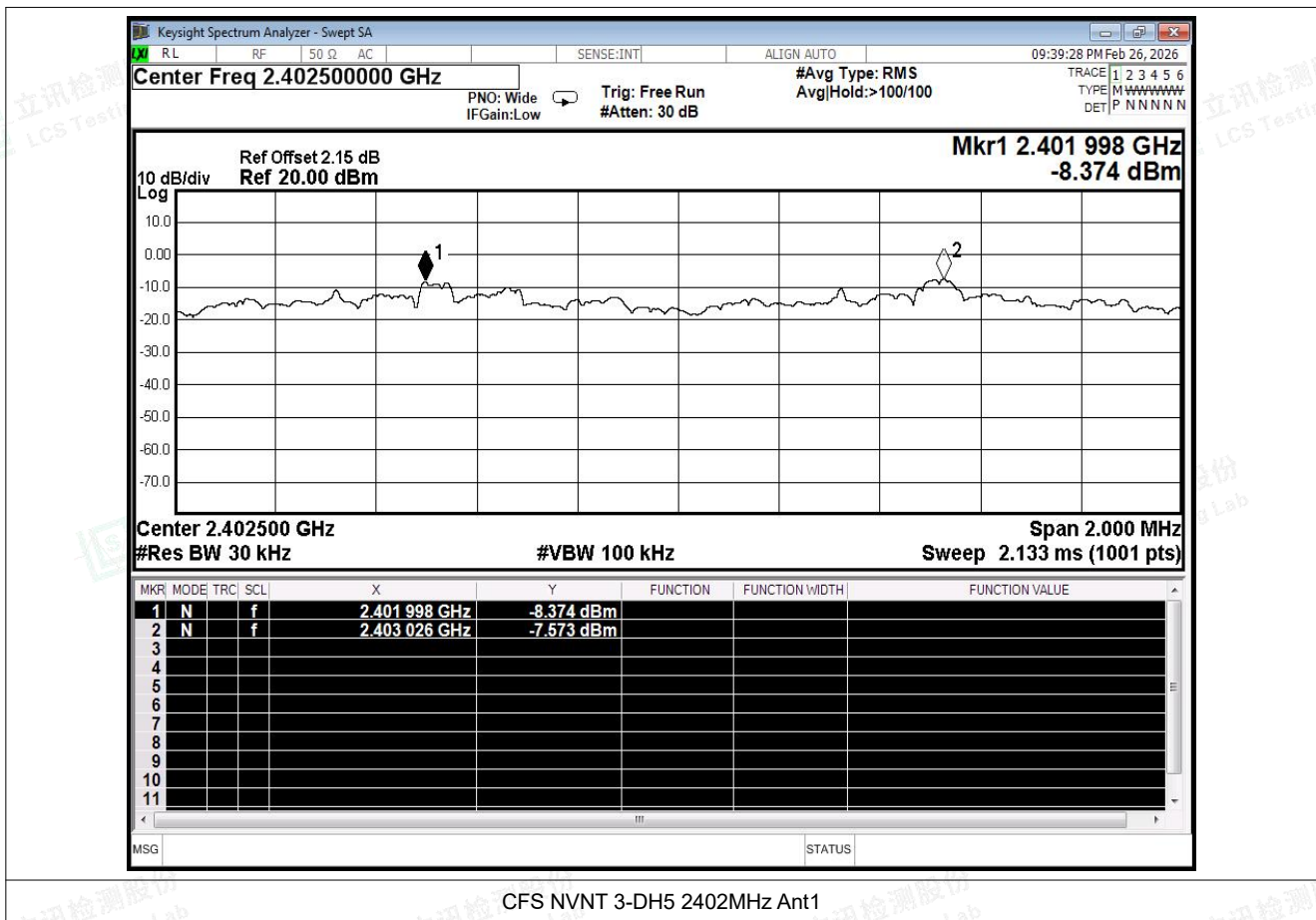


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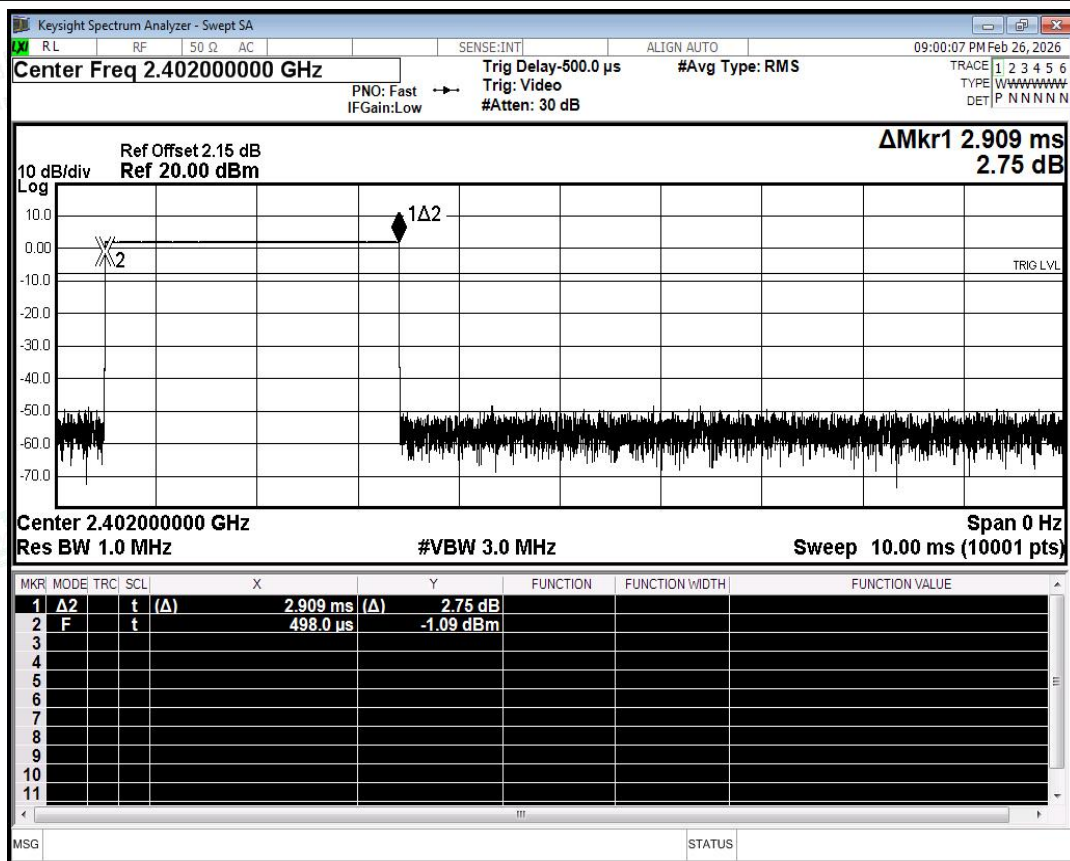




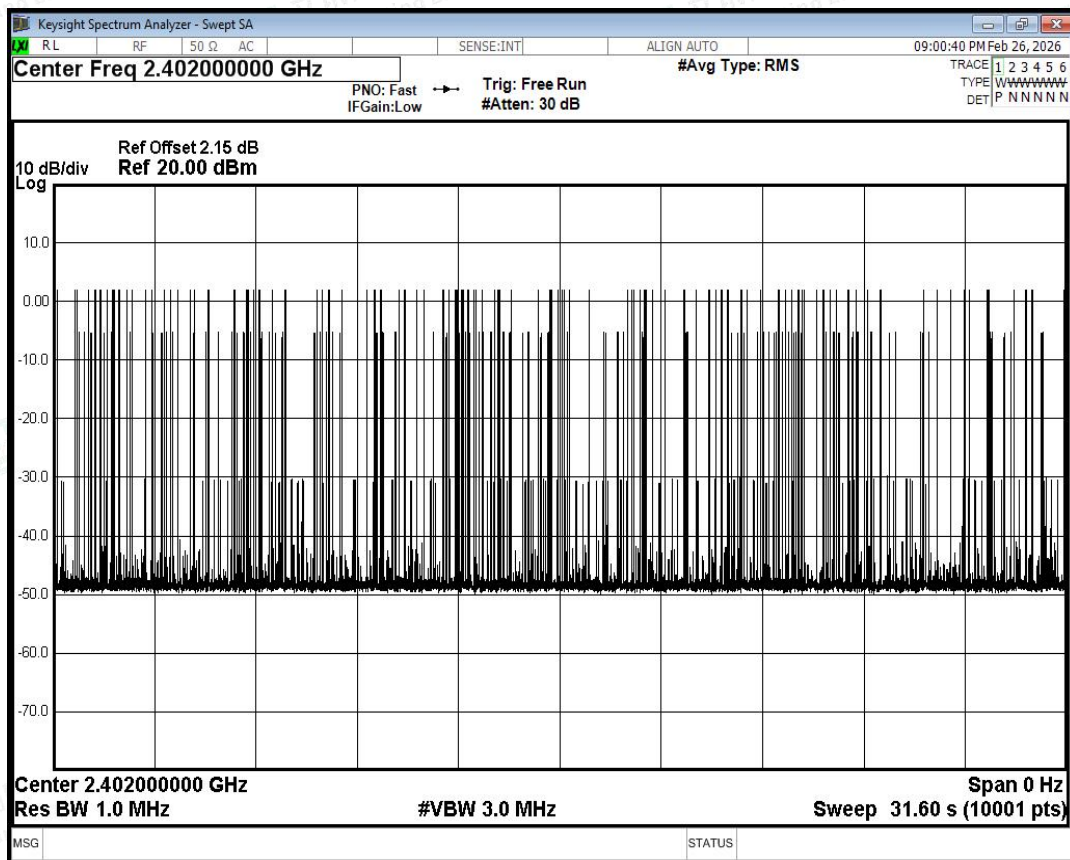
A.4 Dwell Time

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	2.909	337.444	116	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.88	308.16	107	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.897	312.876	108	31600	400	Pass



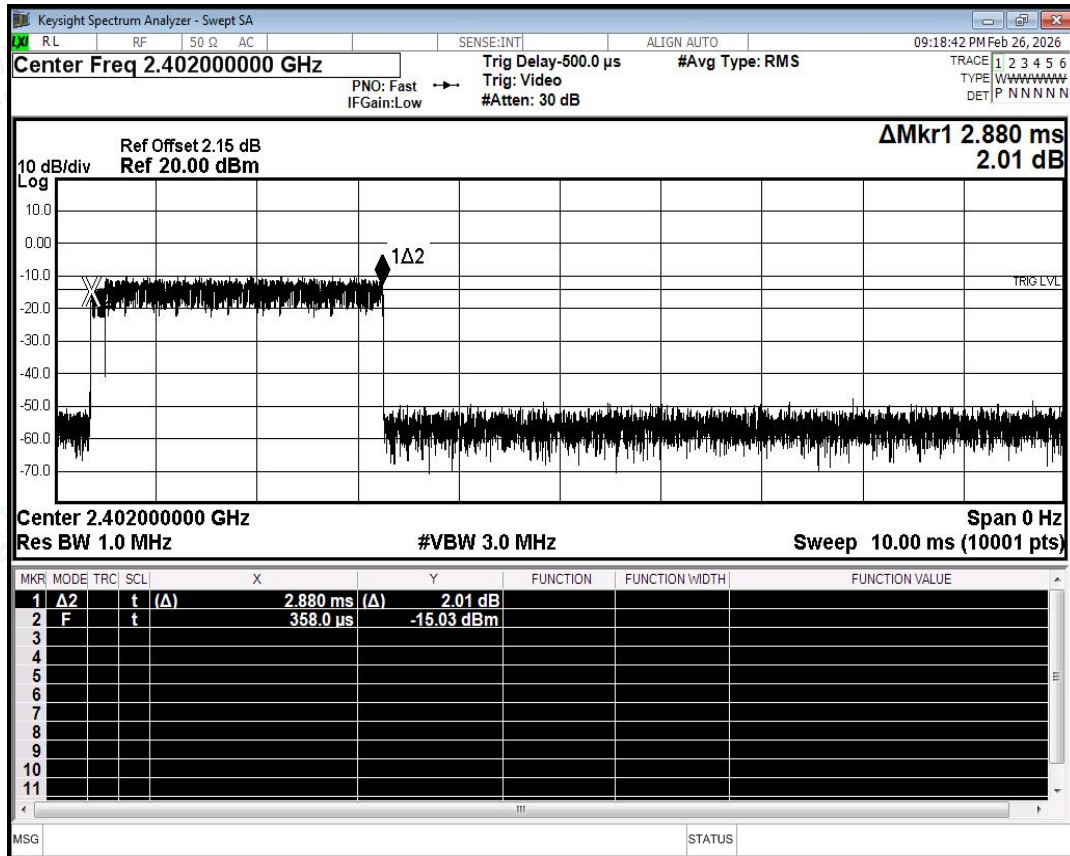


Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

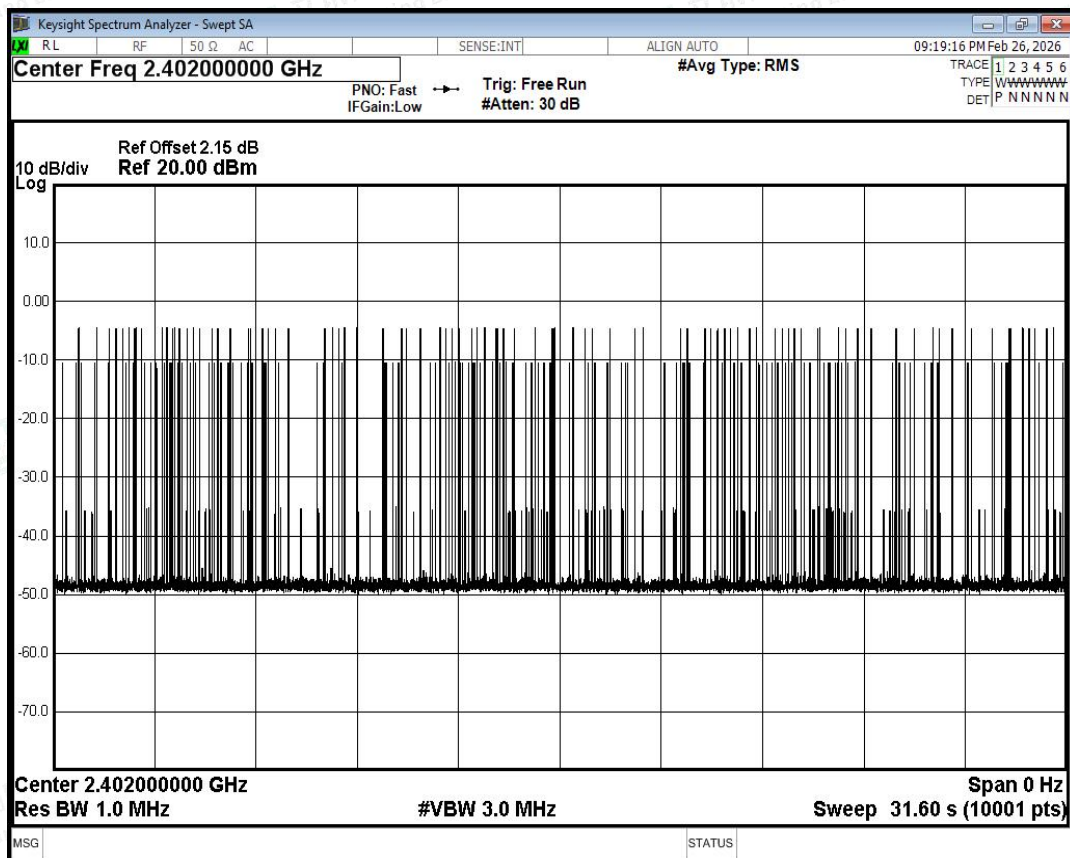


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated





Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated

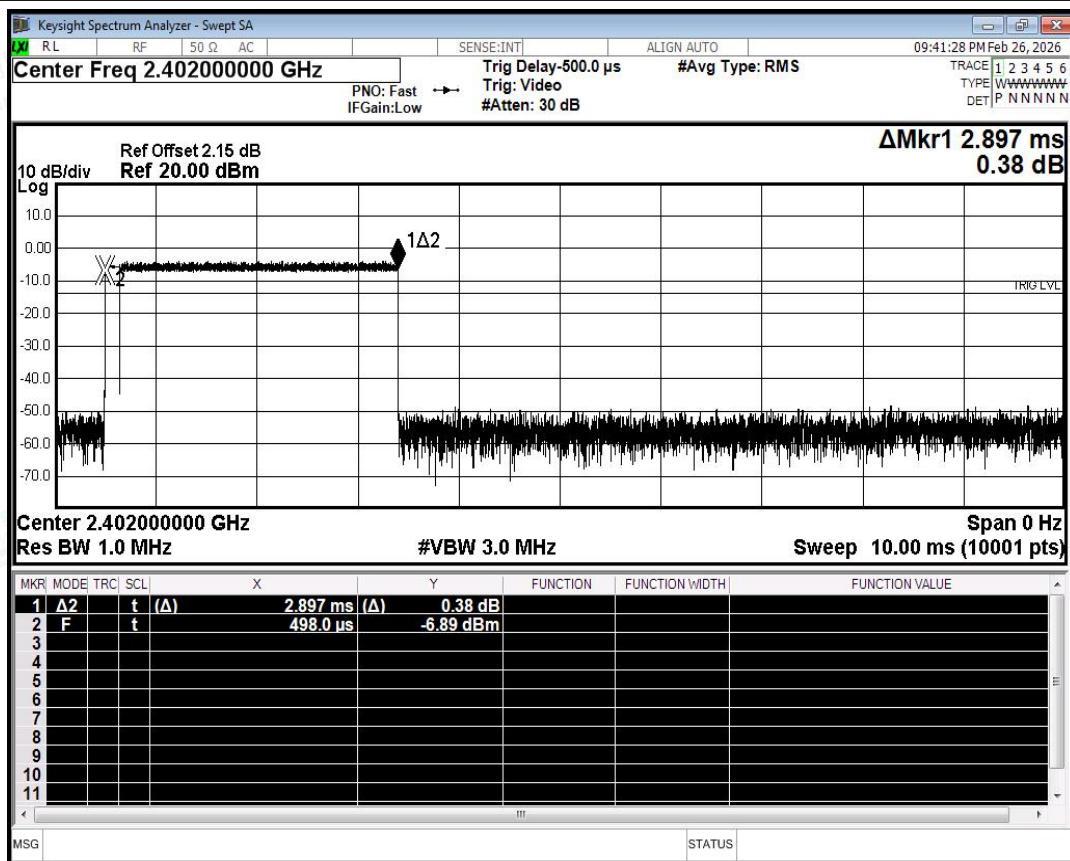


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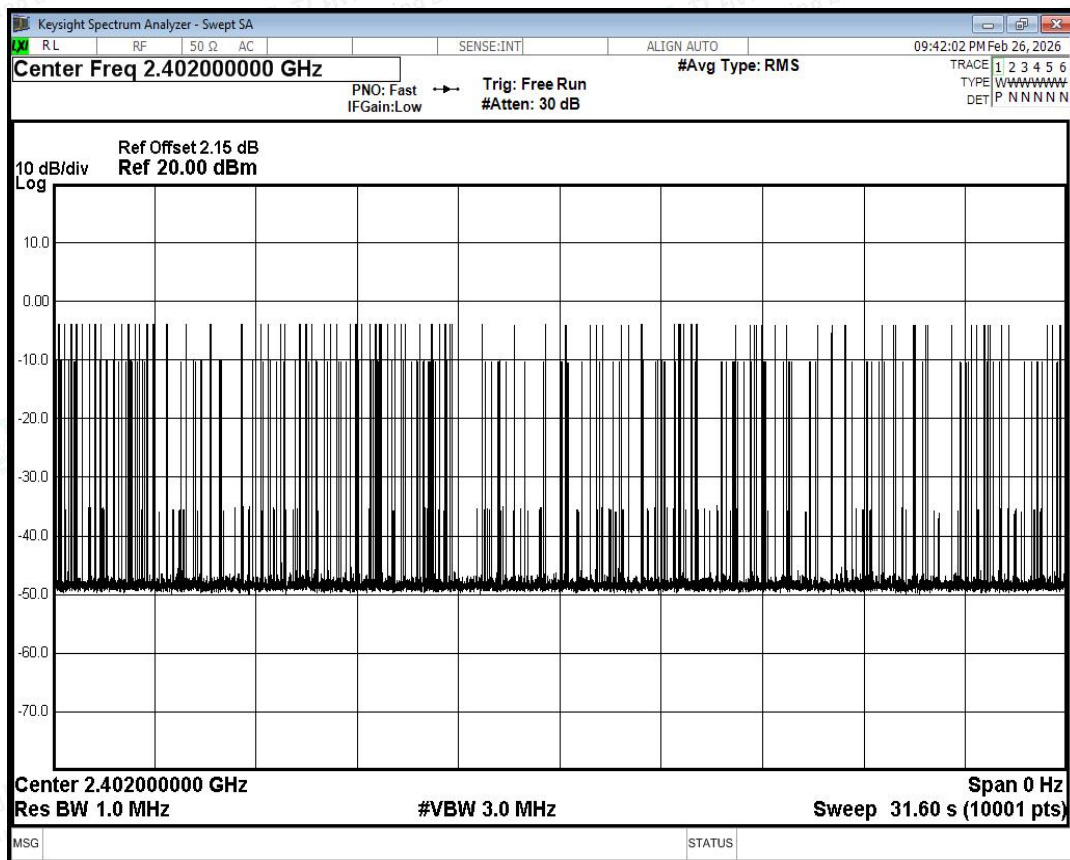
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Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated



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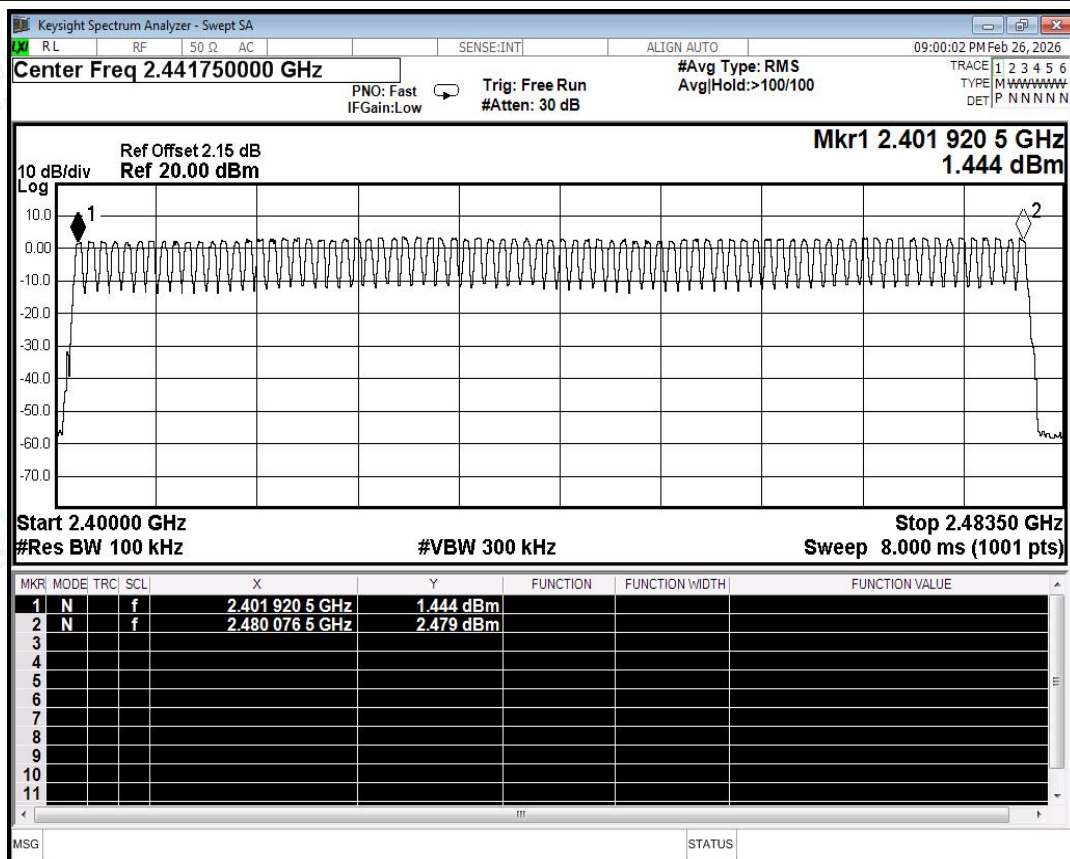
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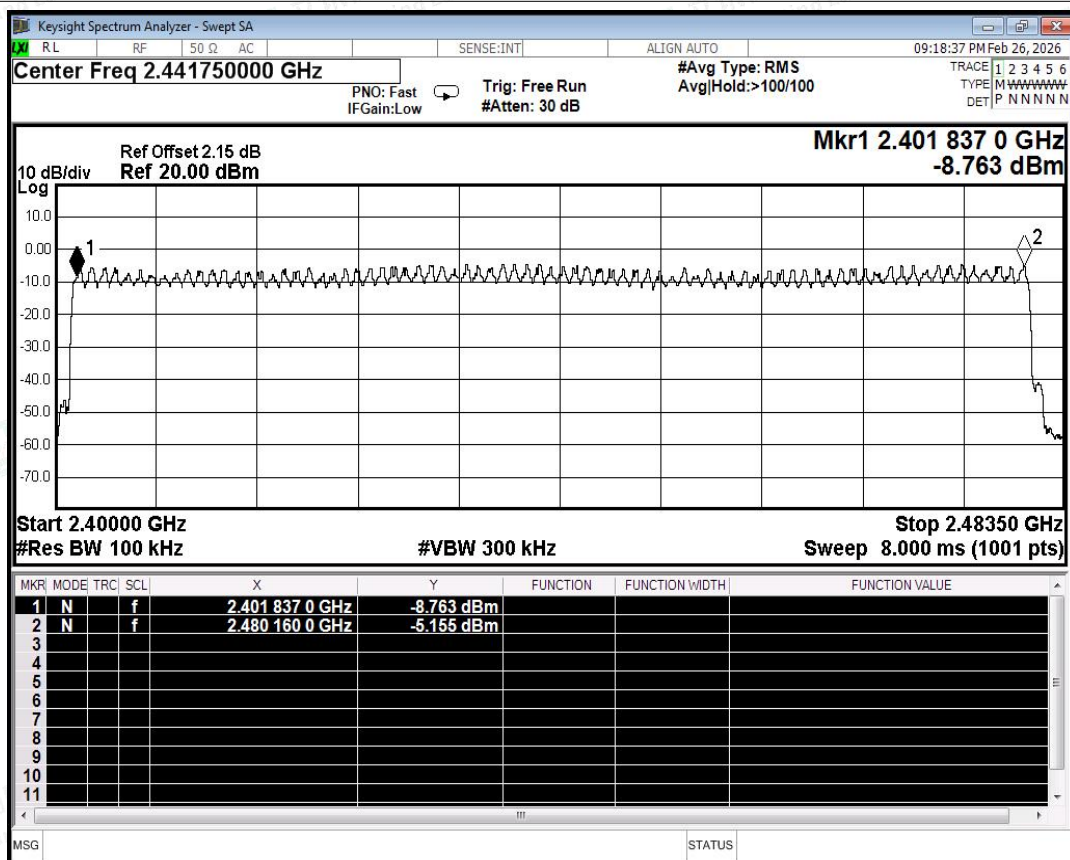
A.5 Number of Hopping Channel

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





Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1

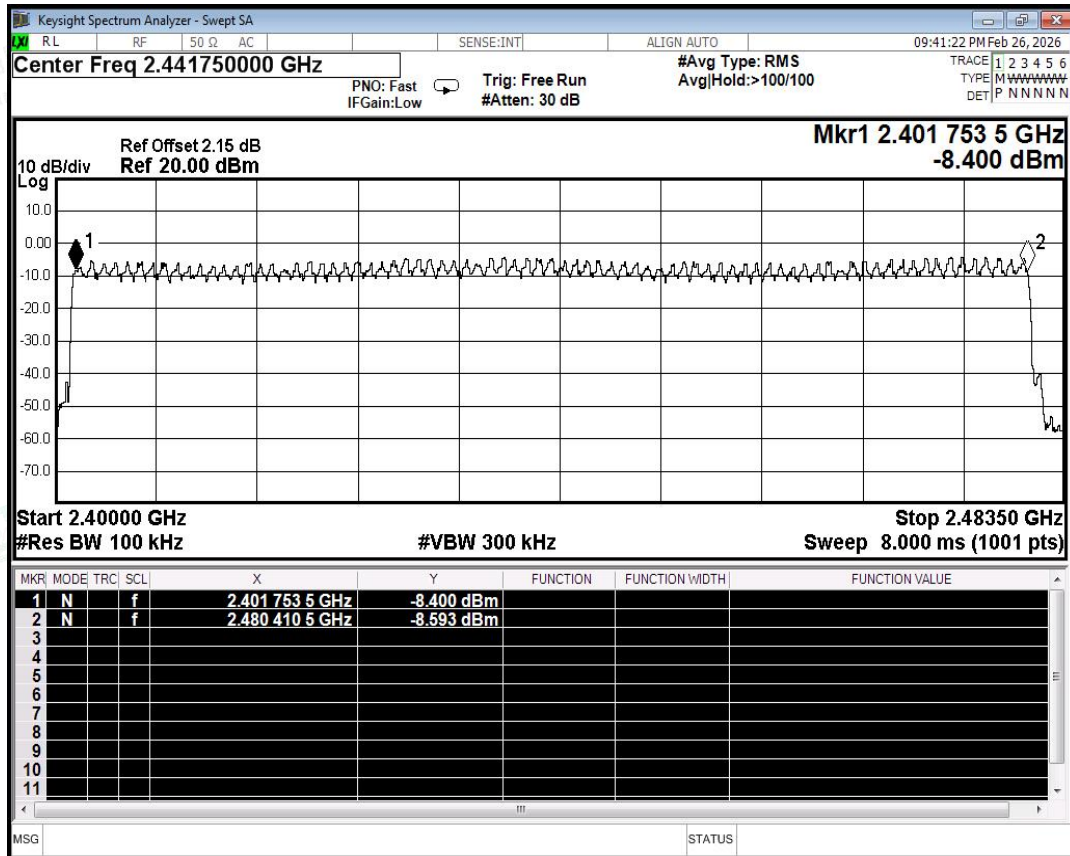


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Hopping No. NVNT 3-DH5 2402MHz Ant1



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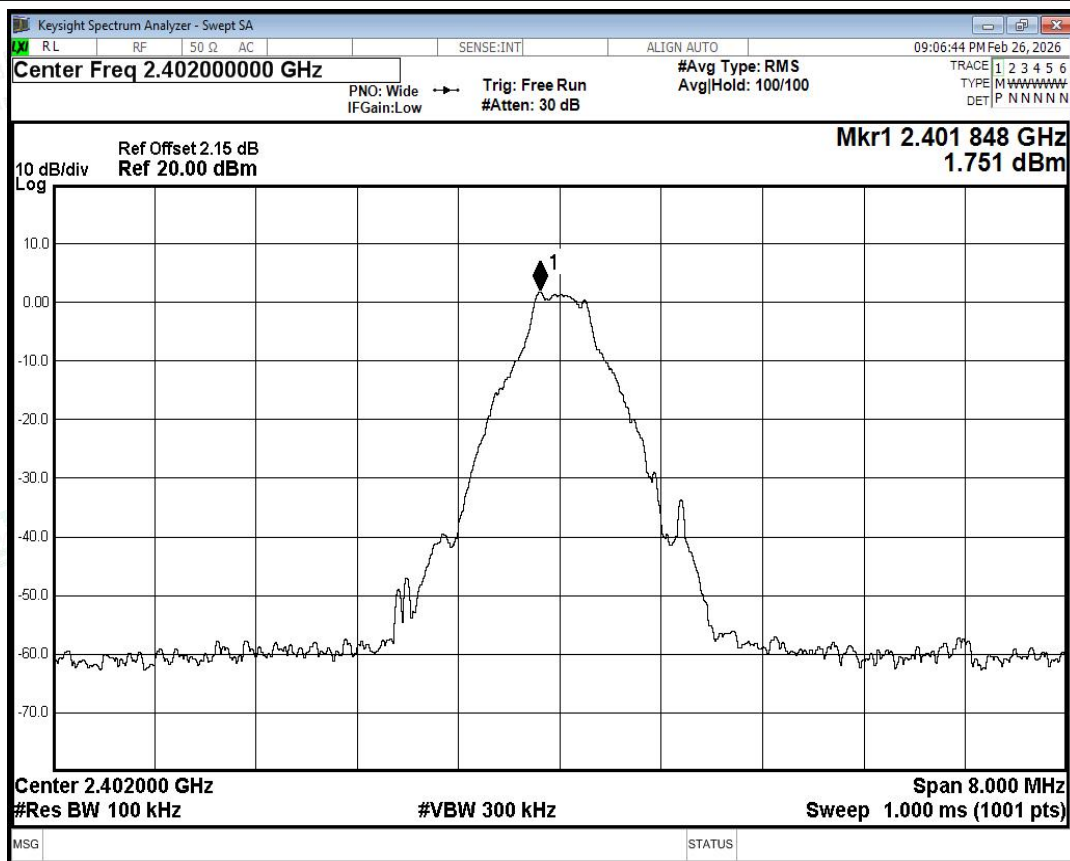
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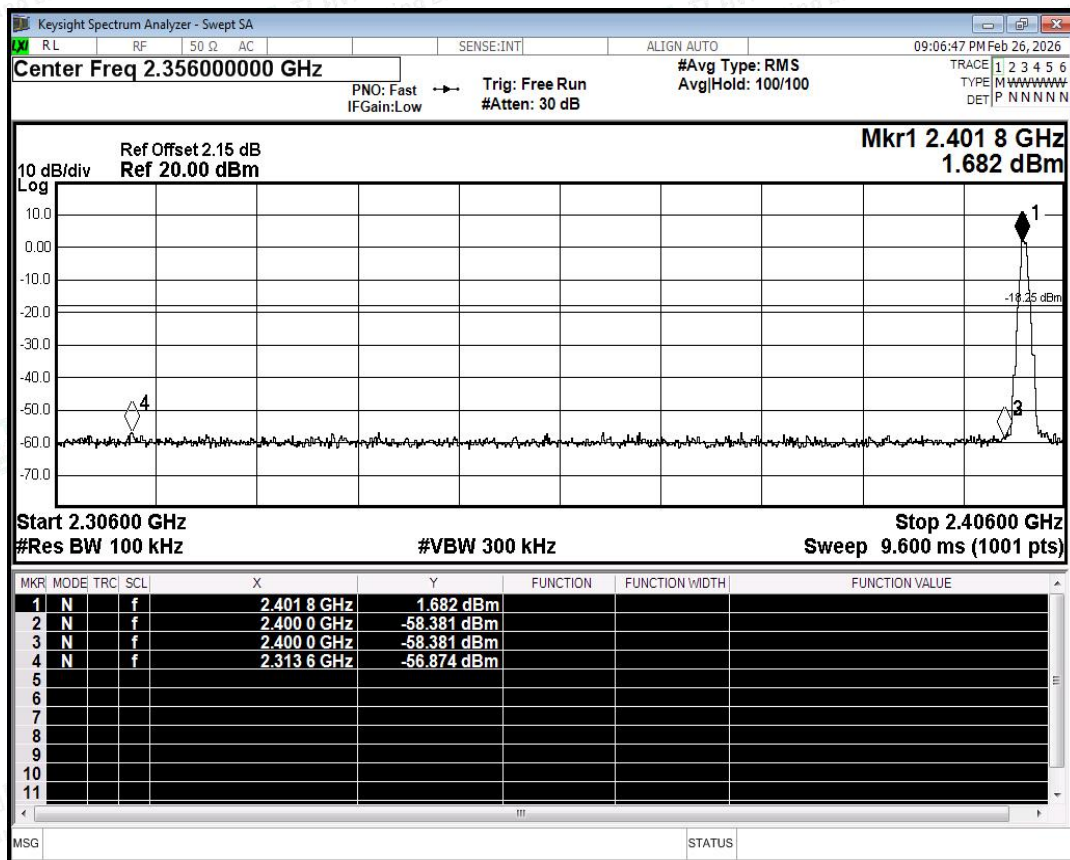
A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-58.62	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-59.53	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-50.79	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-51.26	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-51.24	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-49.64	-20	Pass





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



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

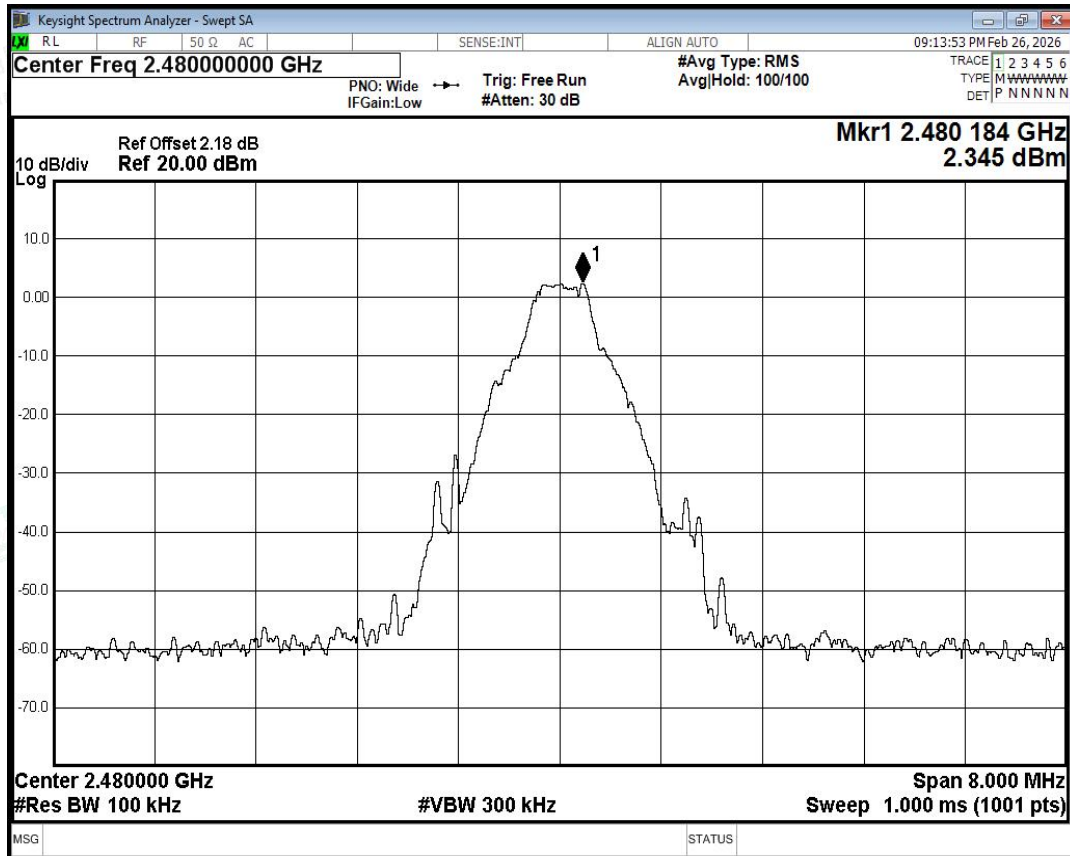


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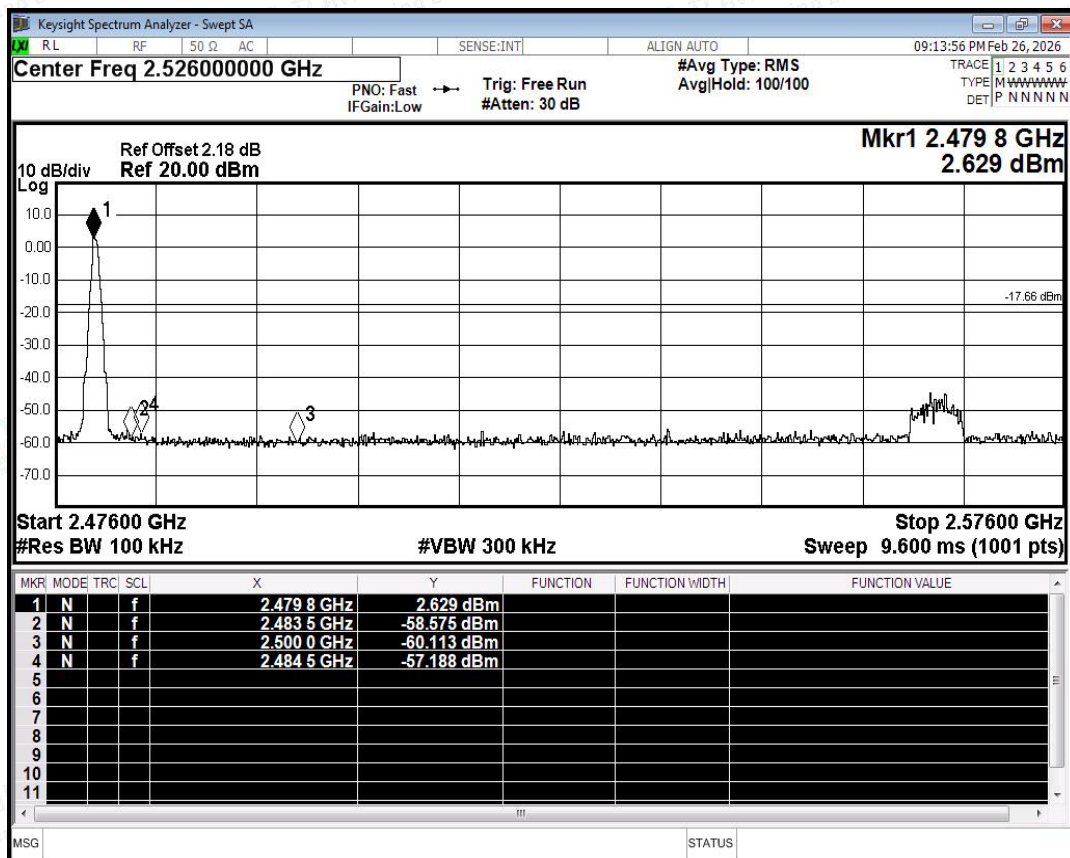
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Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



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

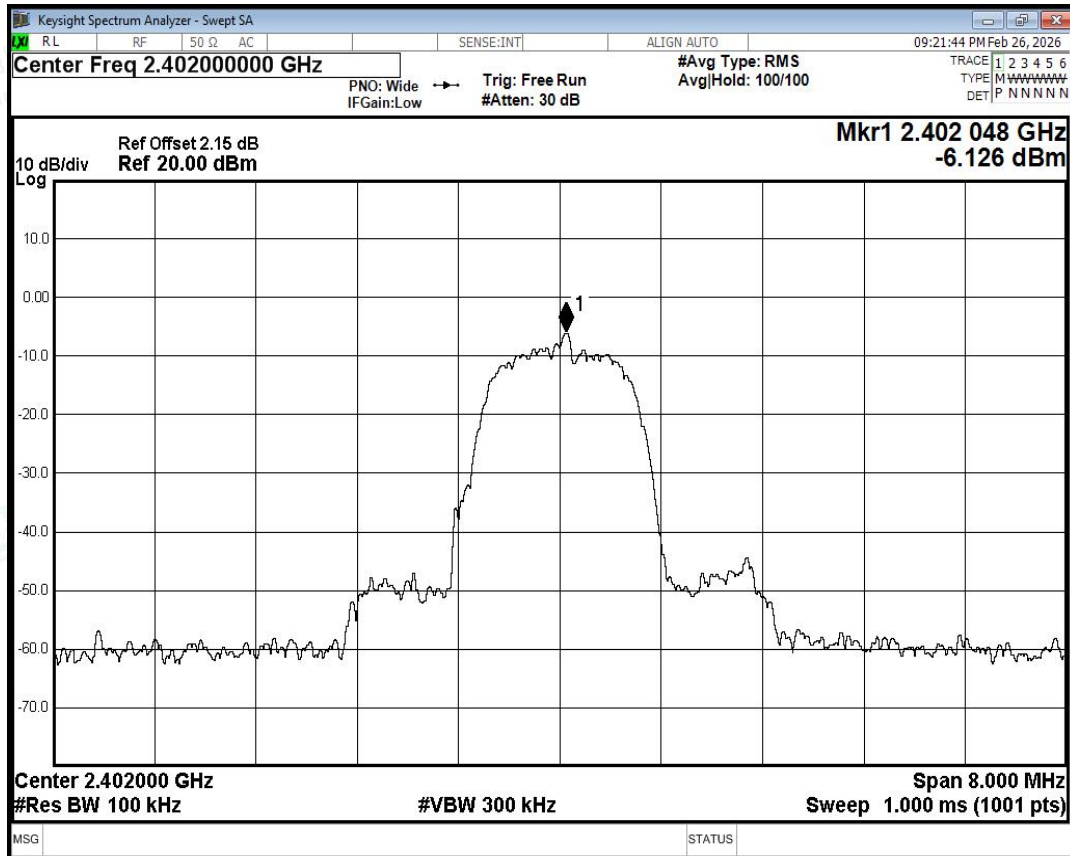


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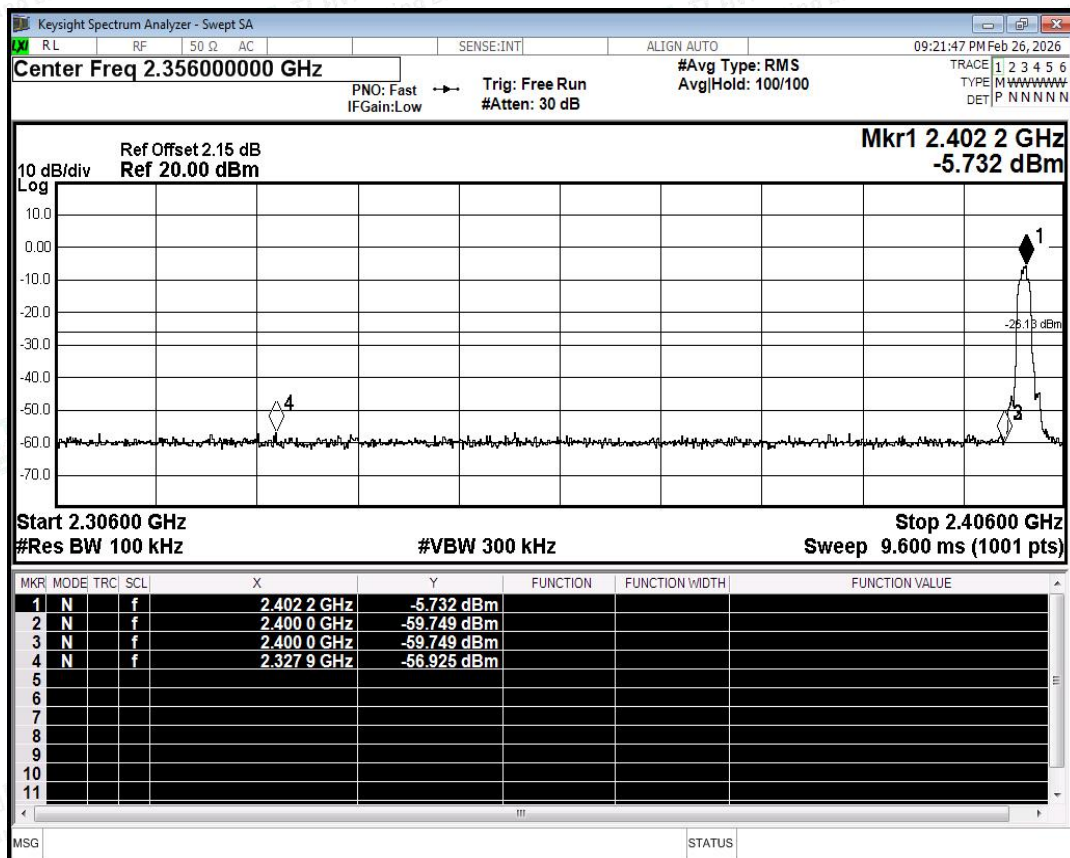
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Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

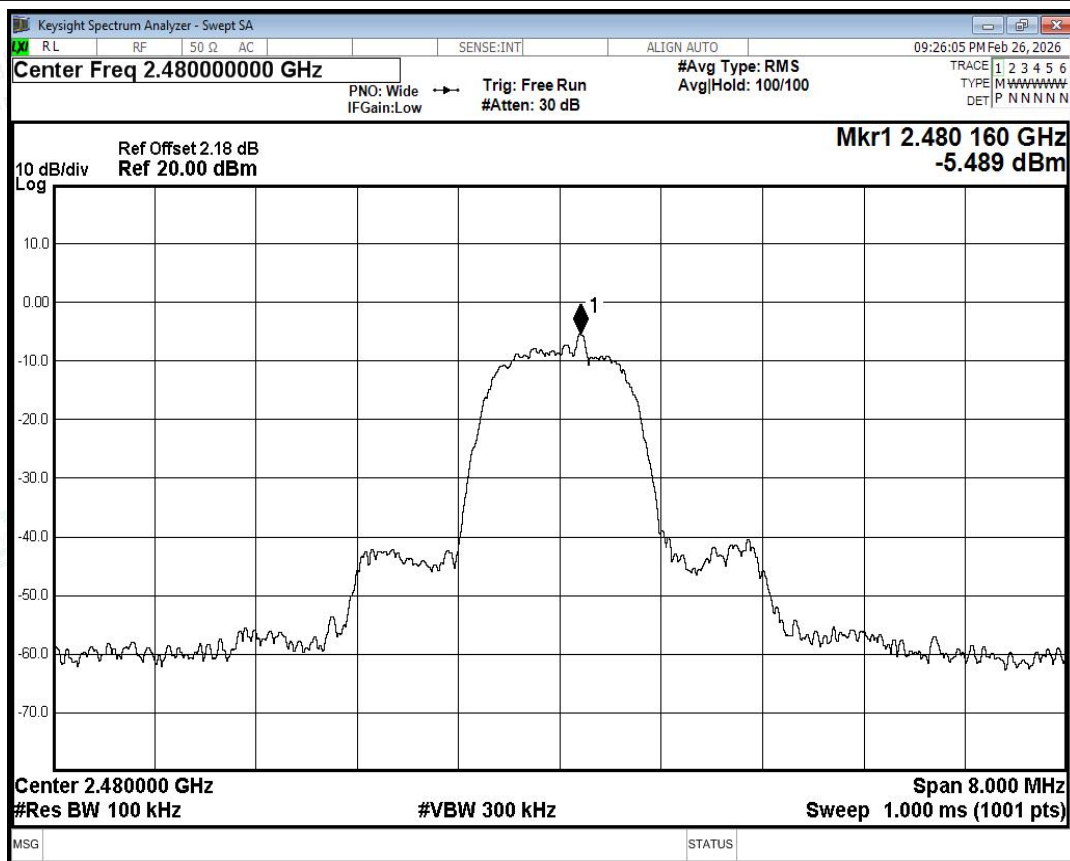


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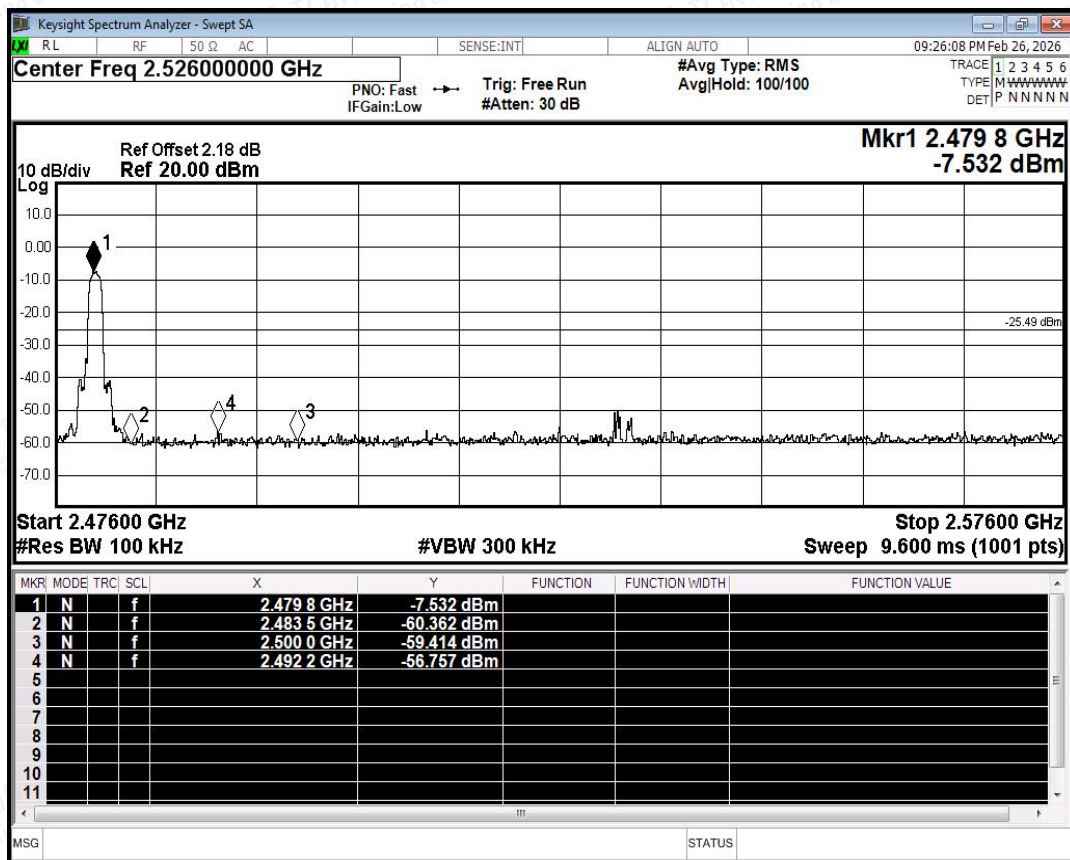
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Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

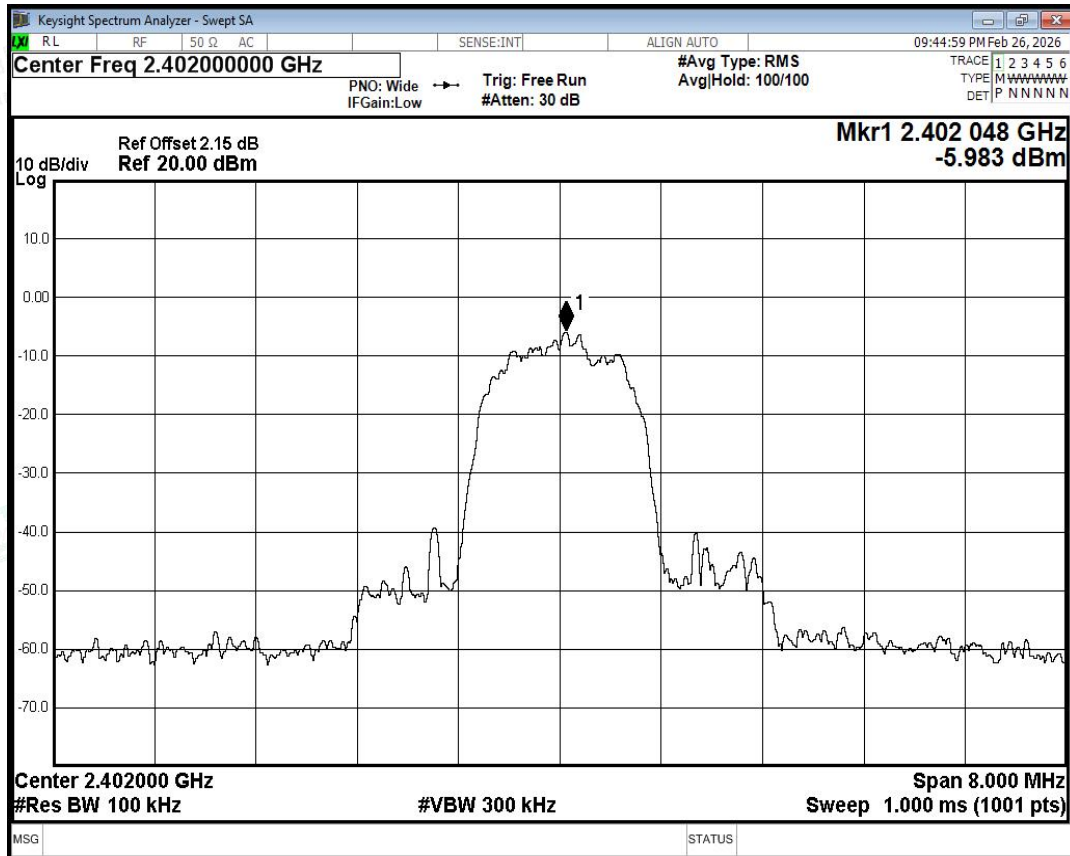


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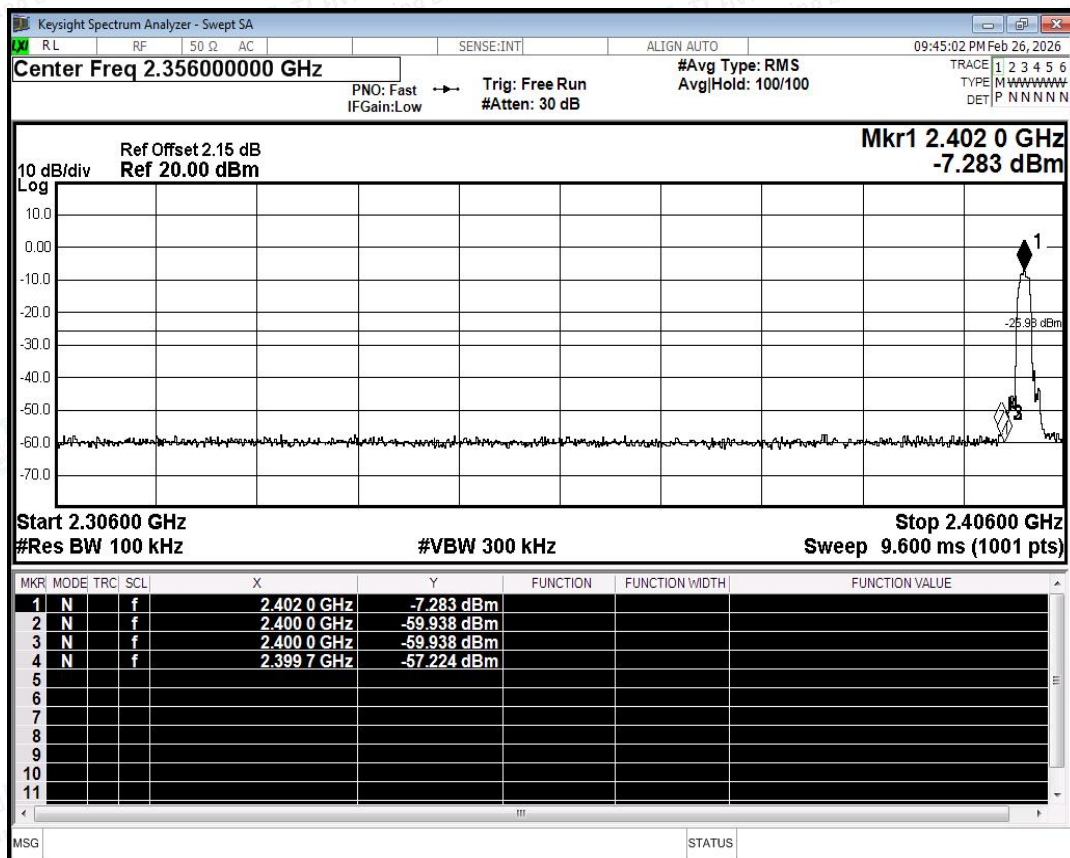
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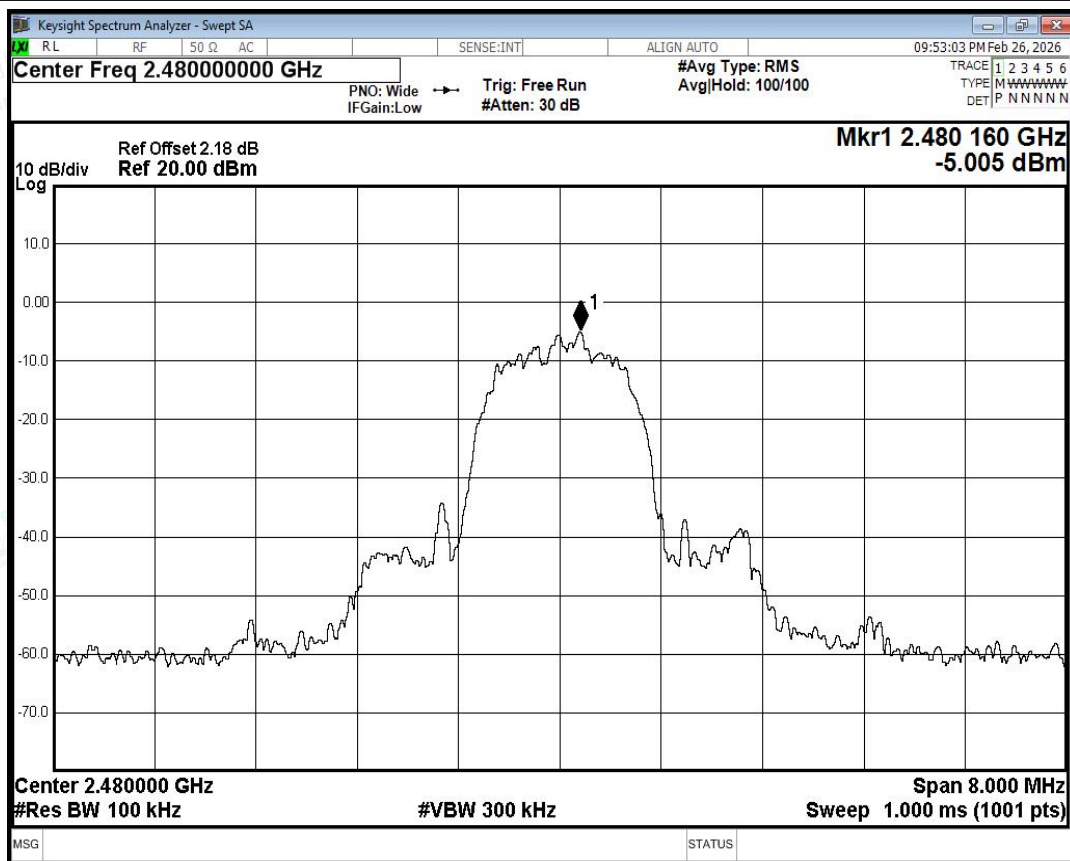


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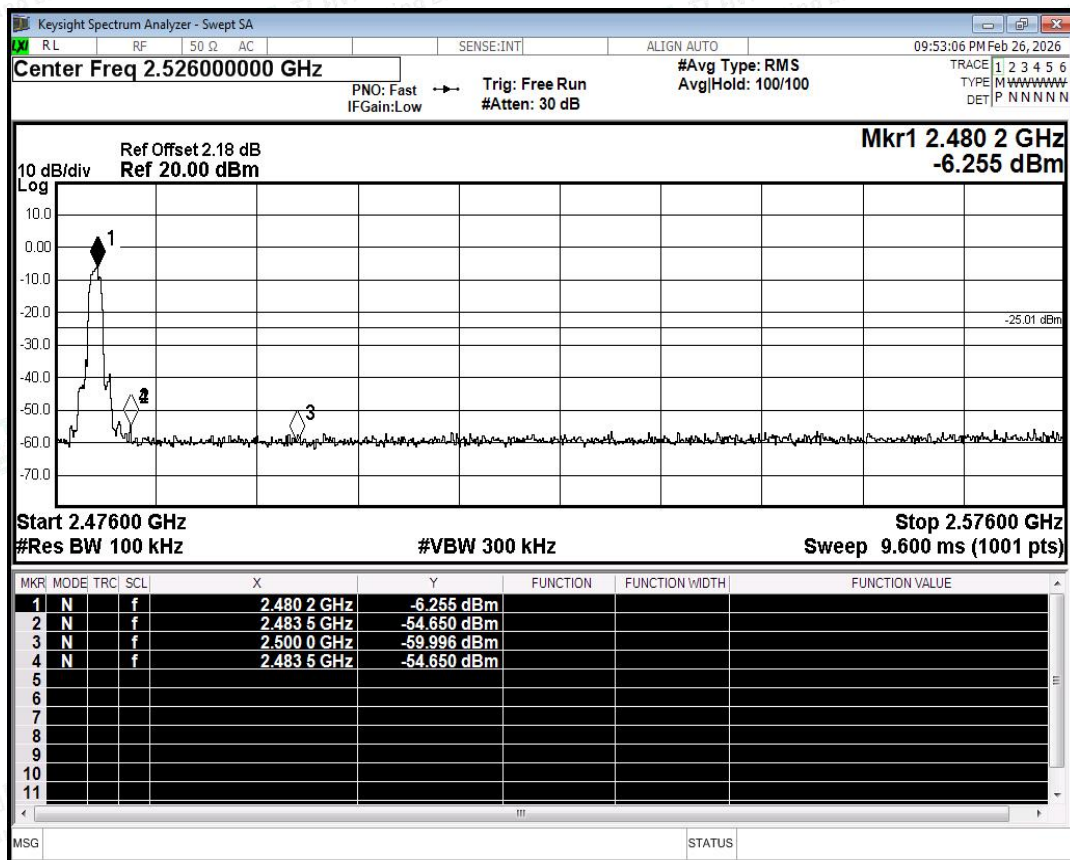
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Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



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



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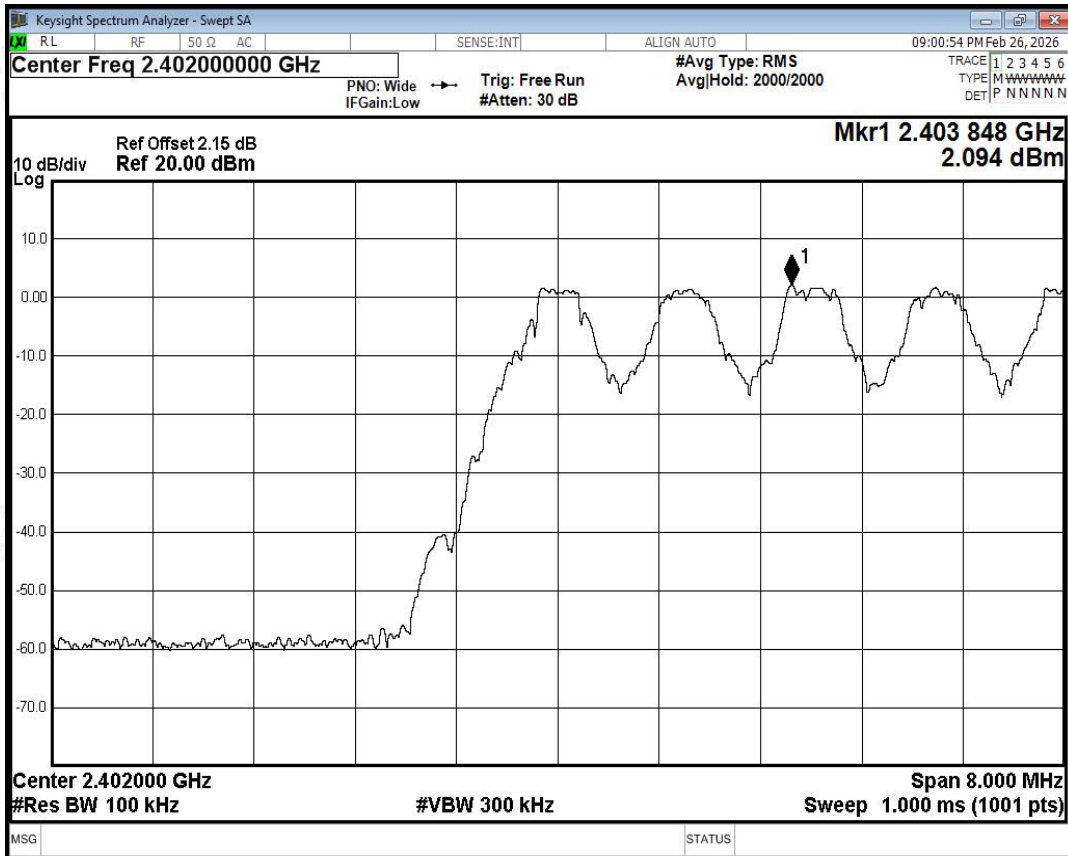
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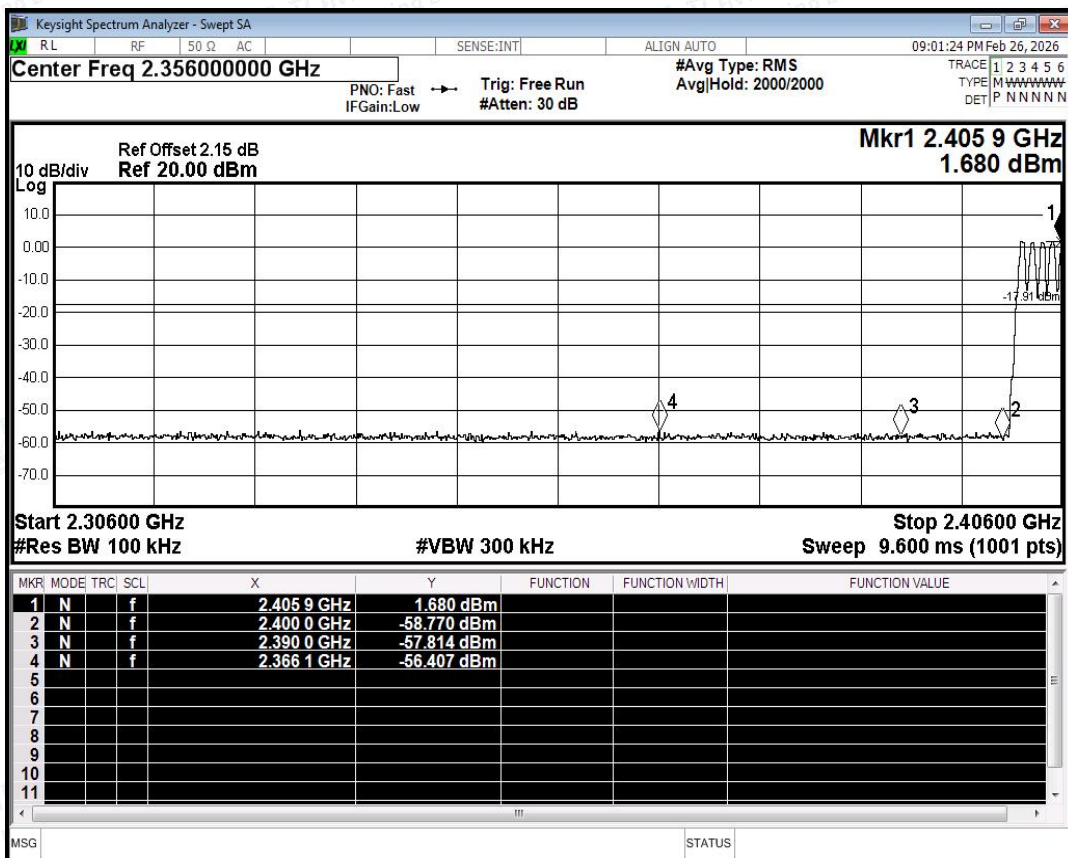
(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-58.49	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-58.35	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-49.79	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-50.8	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-48.91	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-50.71	-20	Pass





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



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



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