



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Wireless headphone

Test Model: LS-HBP9

Environmental Conditions

Temperature:	23.5°C
Relative Humidity:	52.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun



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A.1 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.02	No Limited	Pass
NVNT	1-DH5	2441	Ant1	0.9641	No Limited	Pass
NVNT	1-DH5	2480	Ant1	1.002	No Limited	Pass

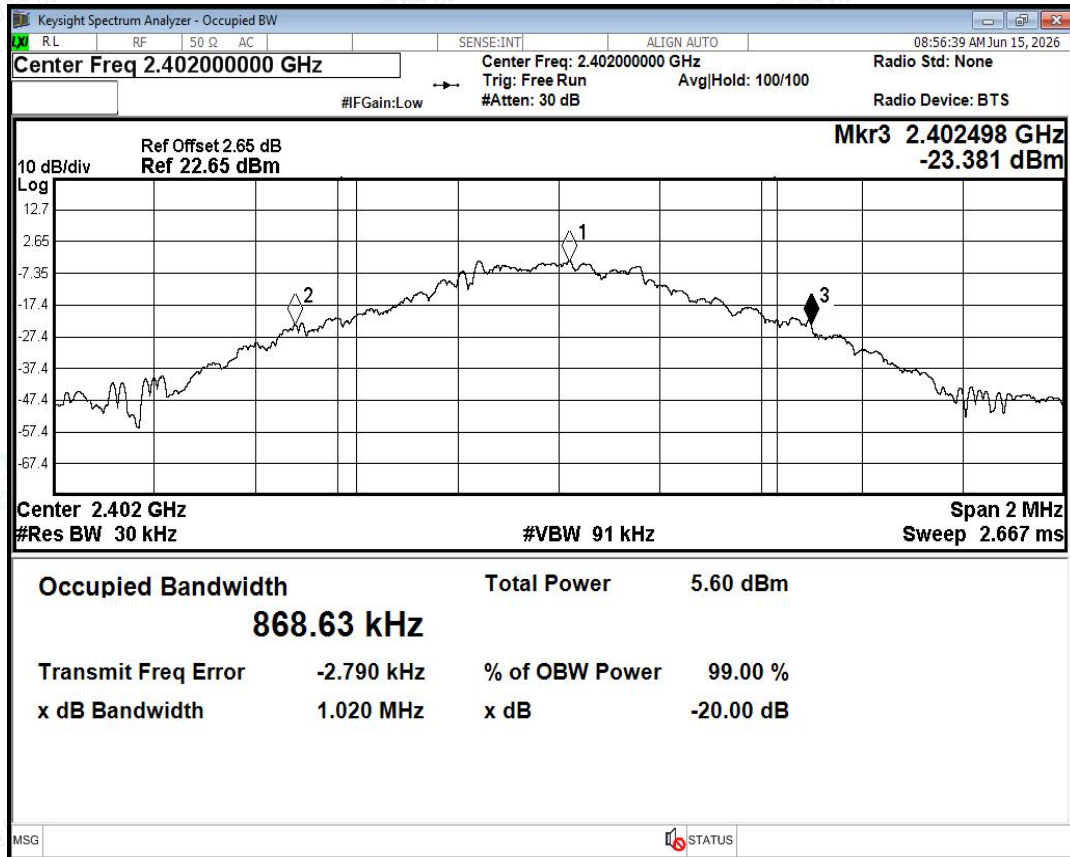


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-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1

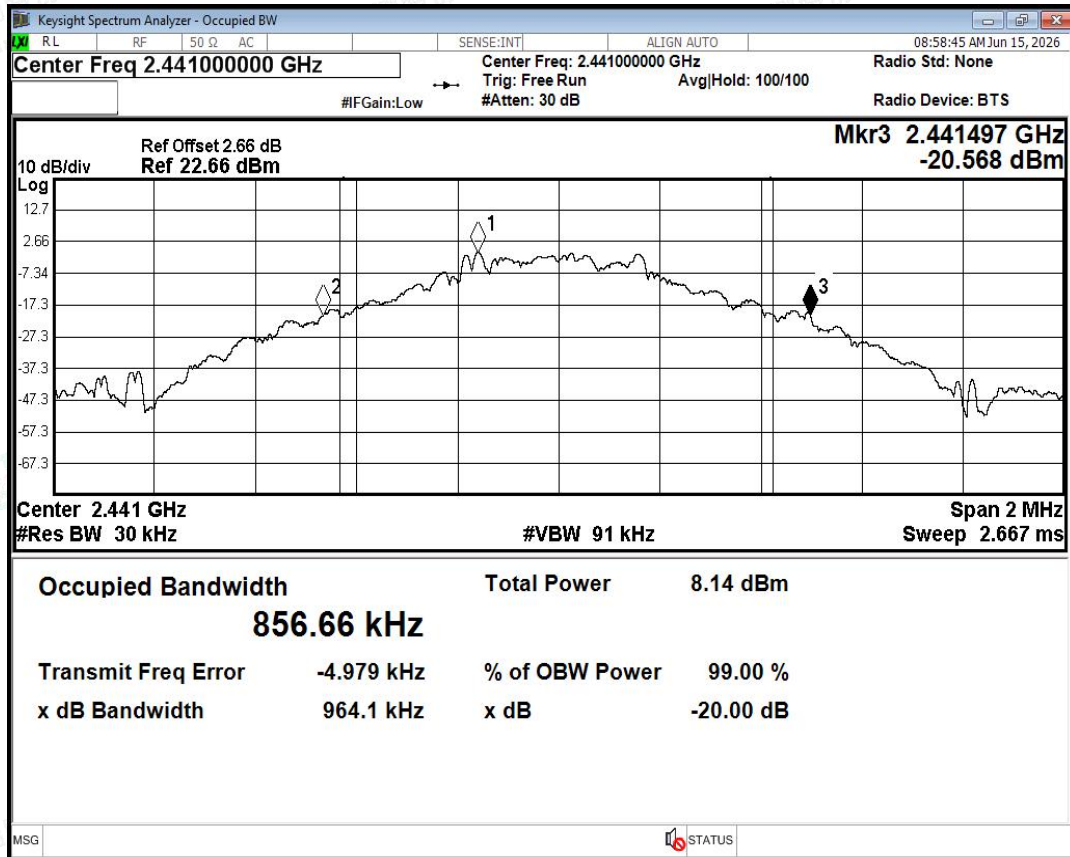


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-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

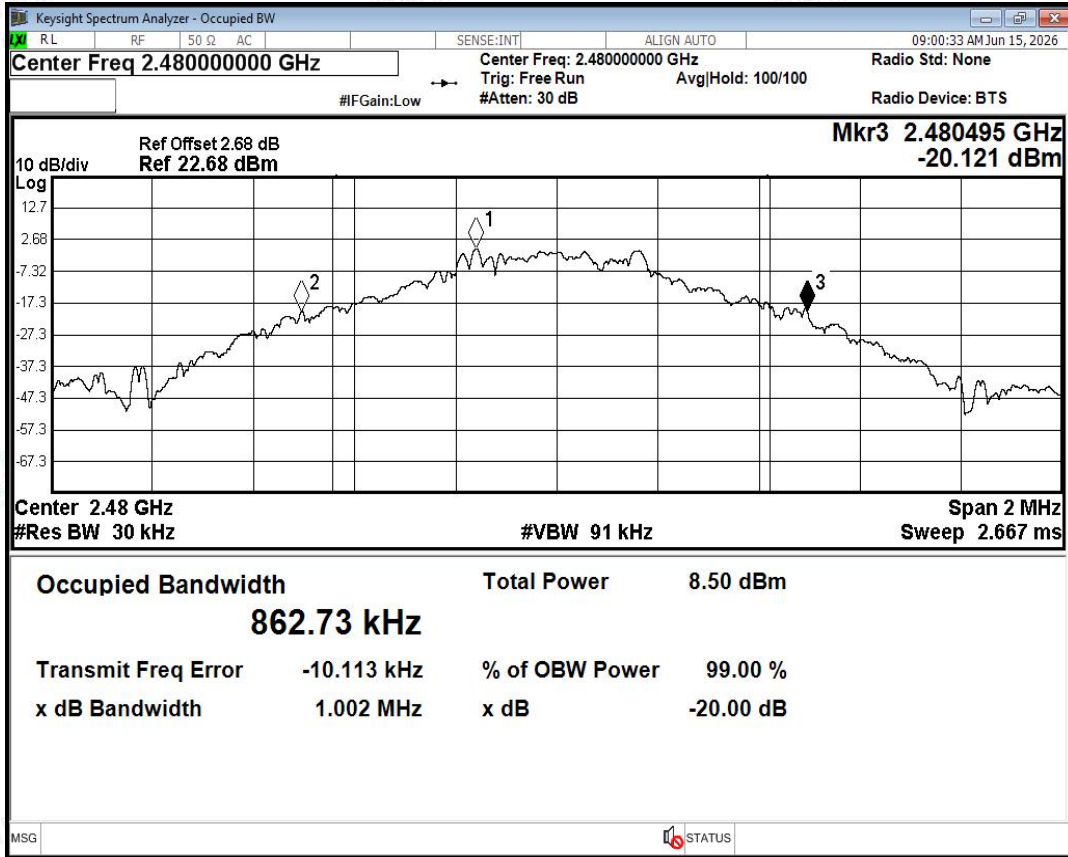


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-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



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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	-0.88	30	Pass
NVNT	1-DH5	2441	Ant1	1.54	30	Pass
NVNT	1-DH5	2480	Ant1	2.12	30	Pass

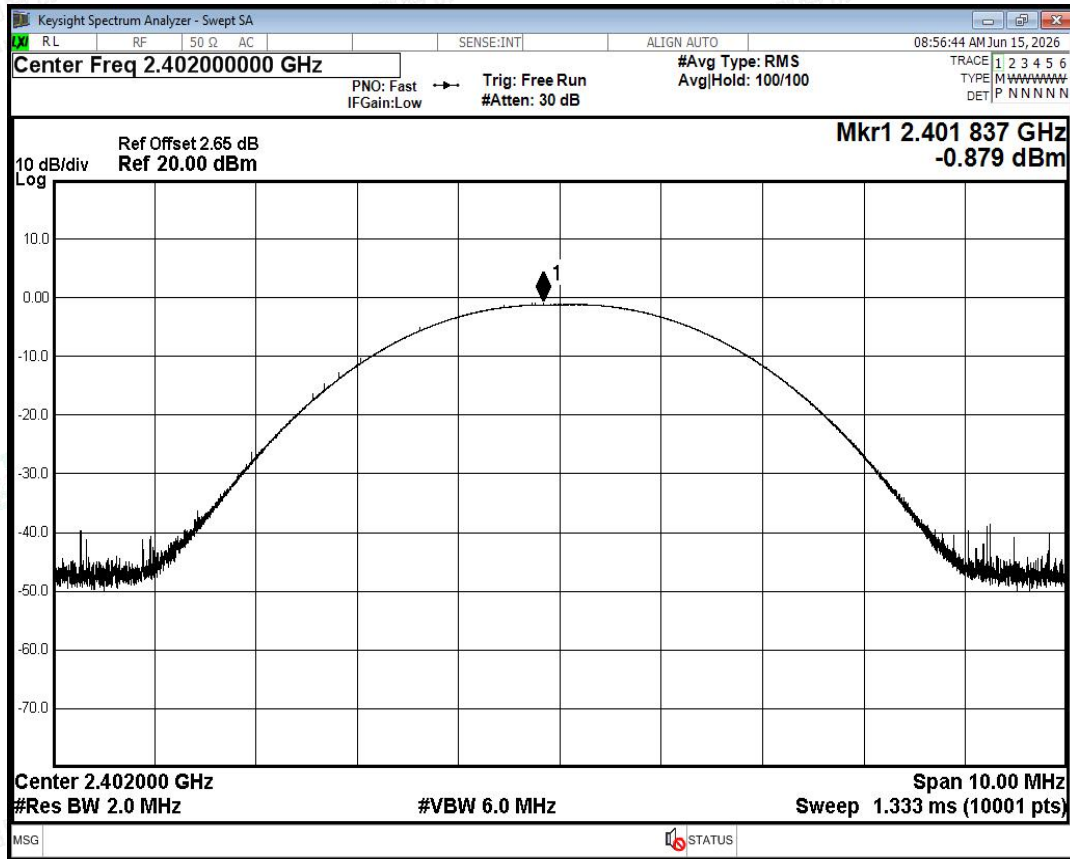


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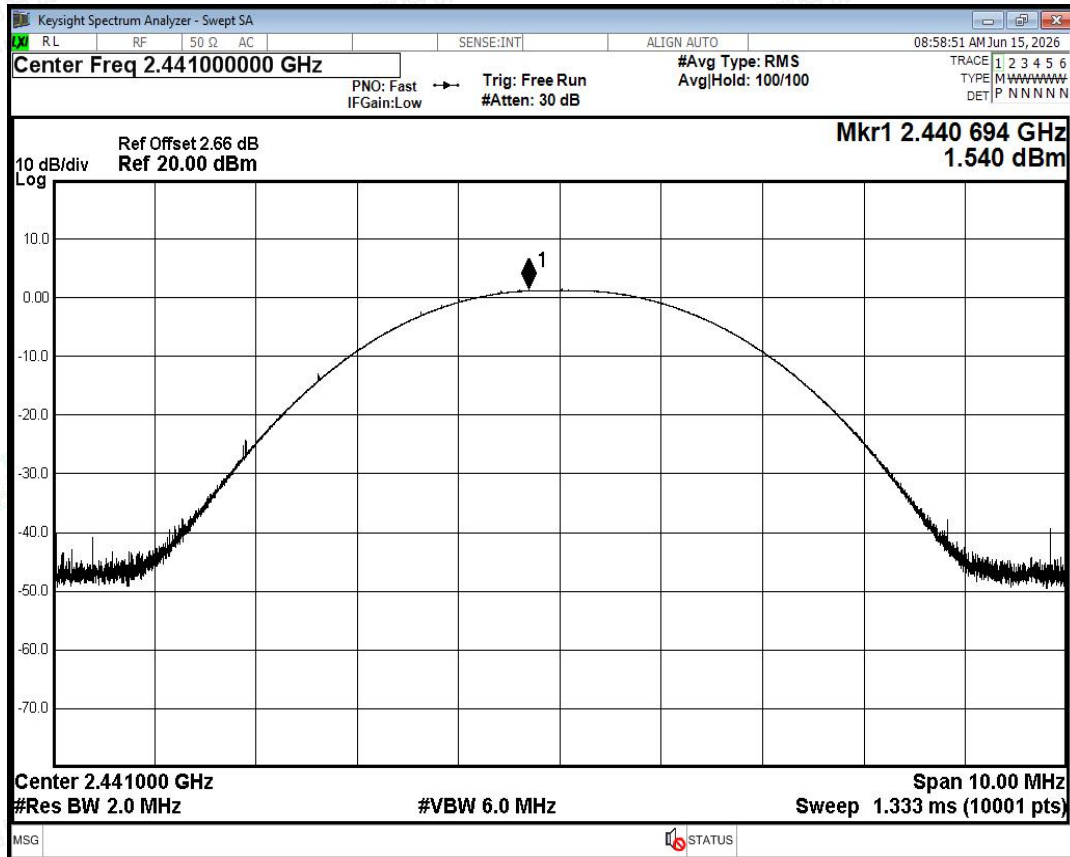


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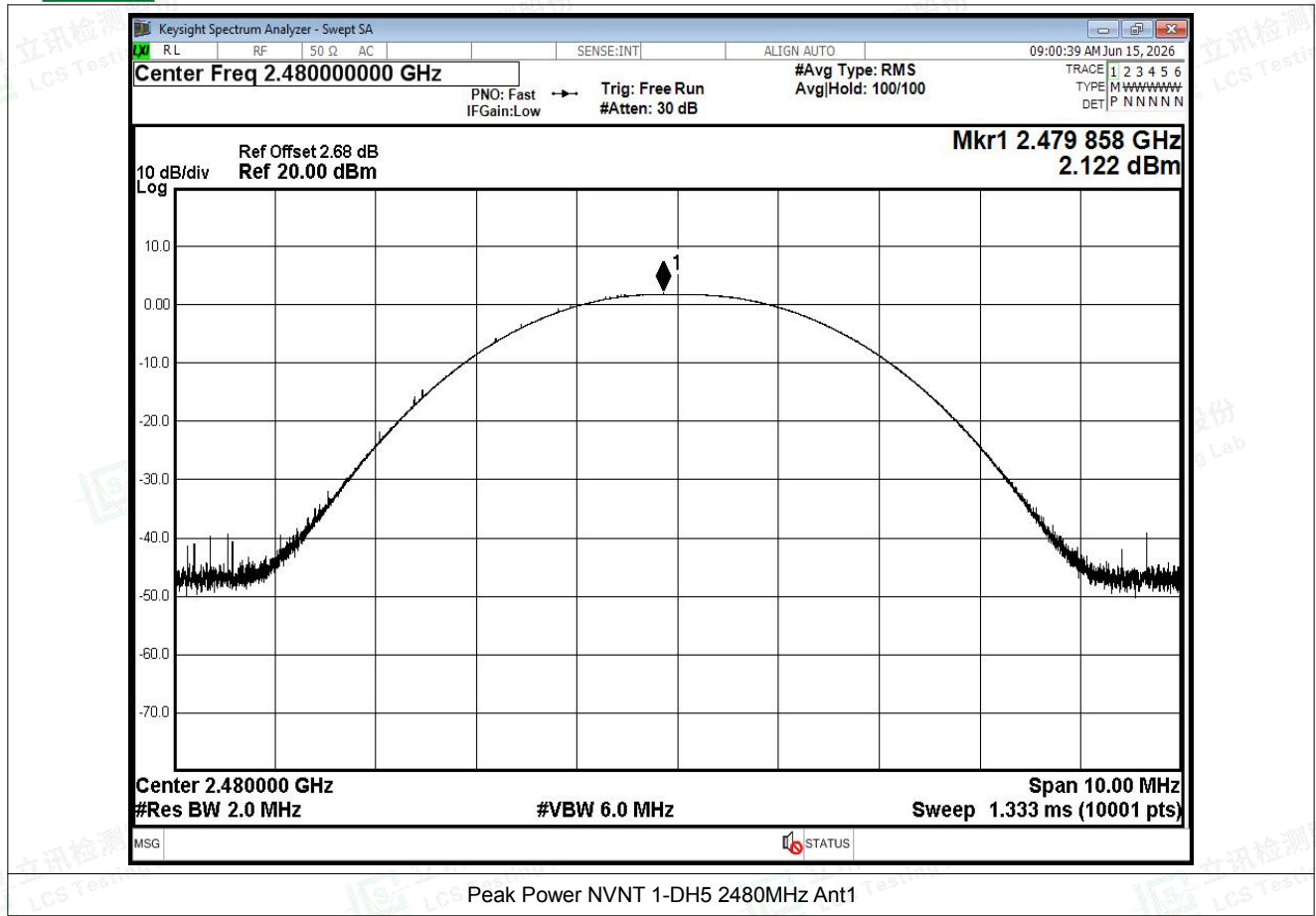


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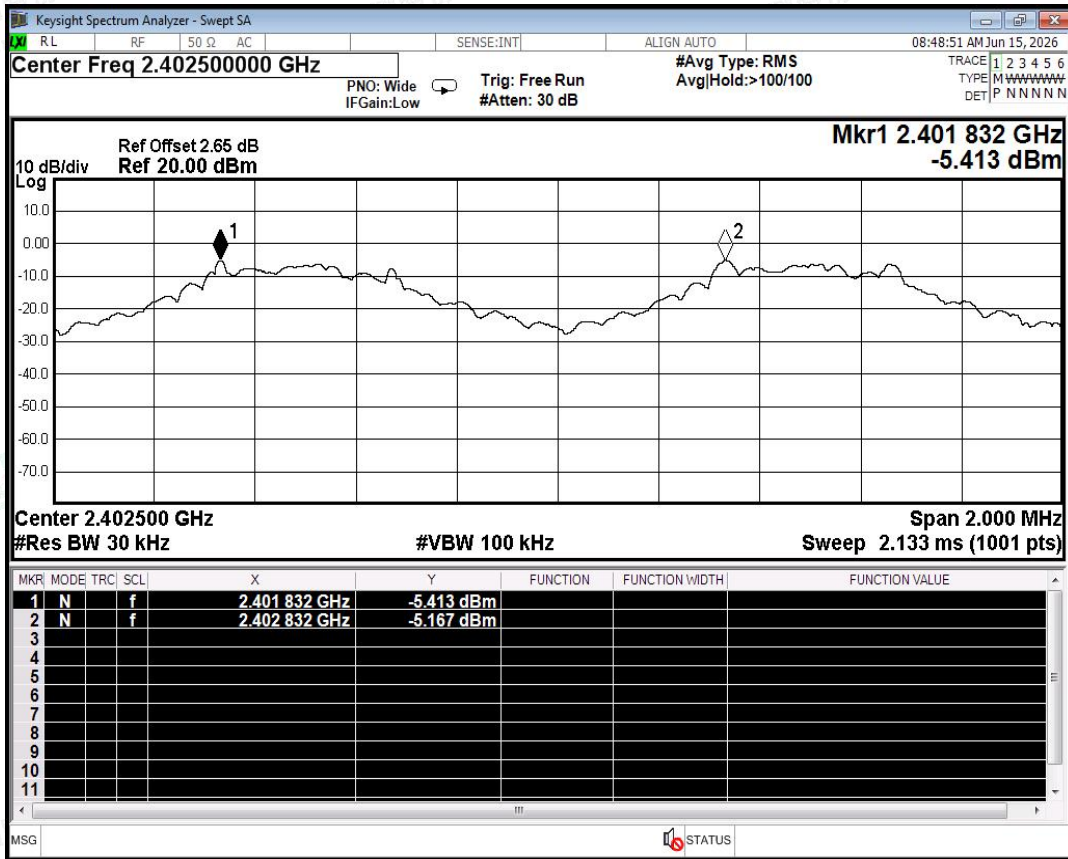


A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.832	2402.832	1	0.680	Pass



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CFS NVNT 1-DH5 2402MHz Ant1



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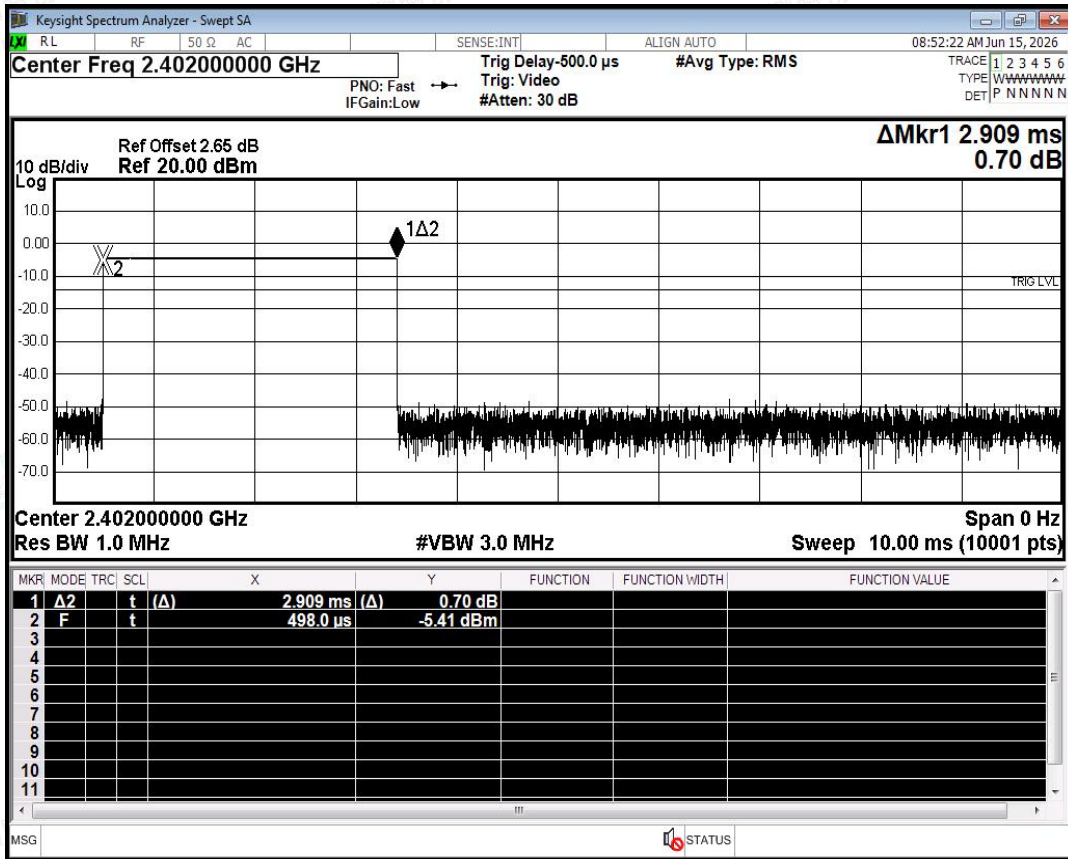
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A.4 Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.909	325.808	112	31600	400	Pass





Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

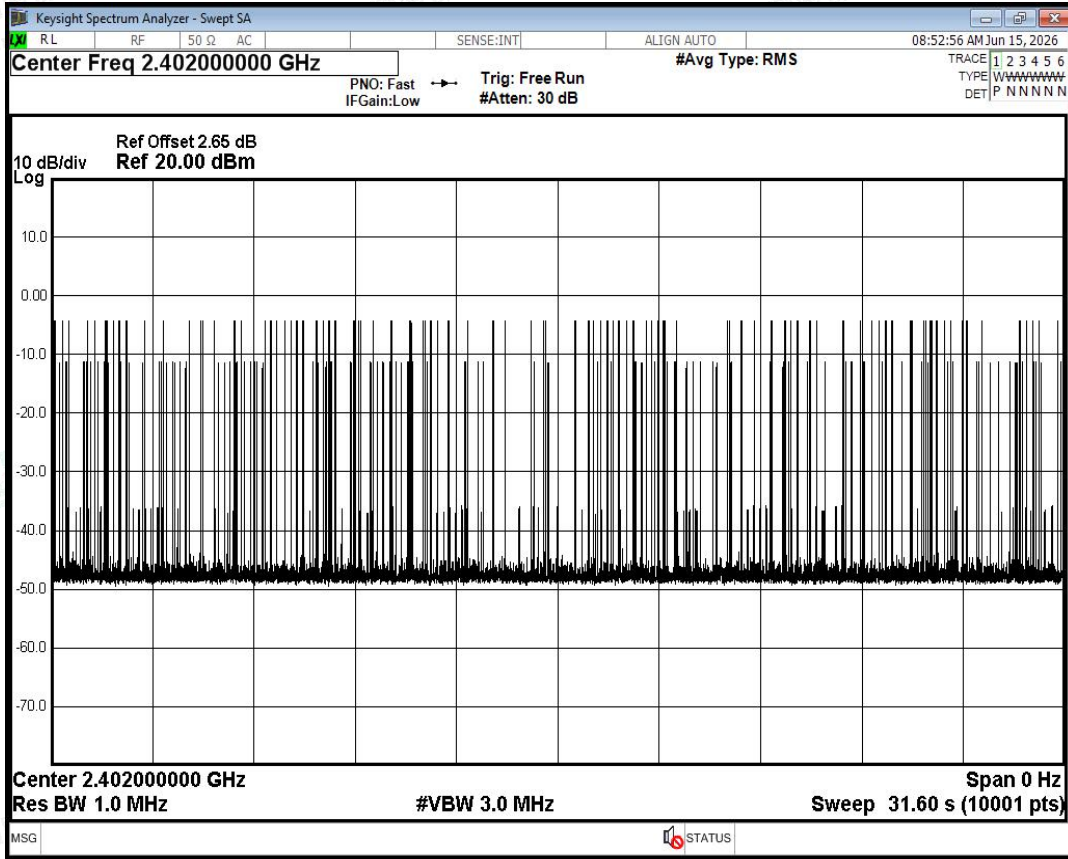


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Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



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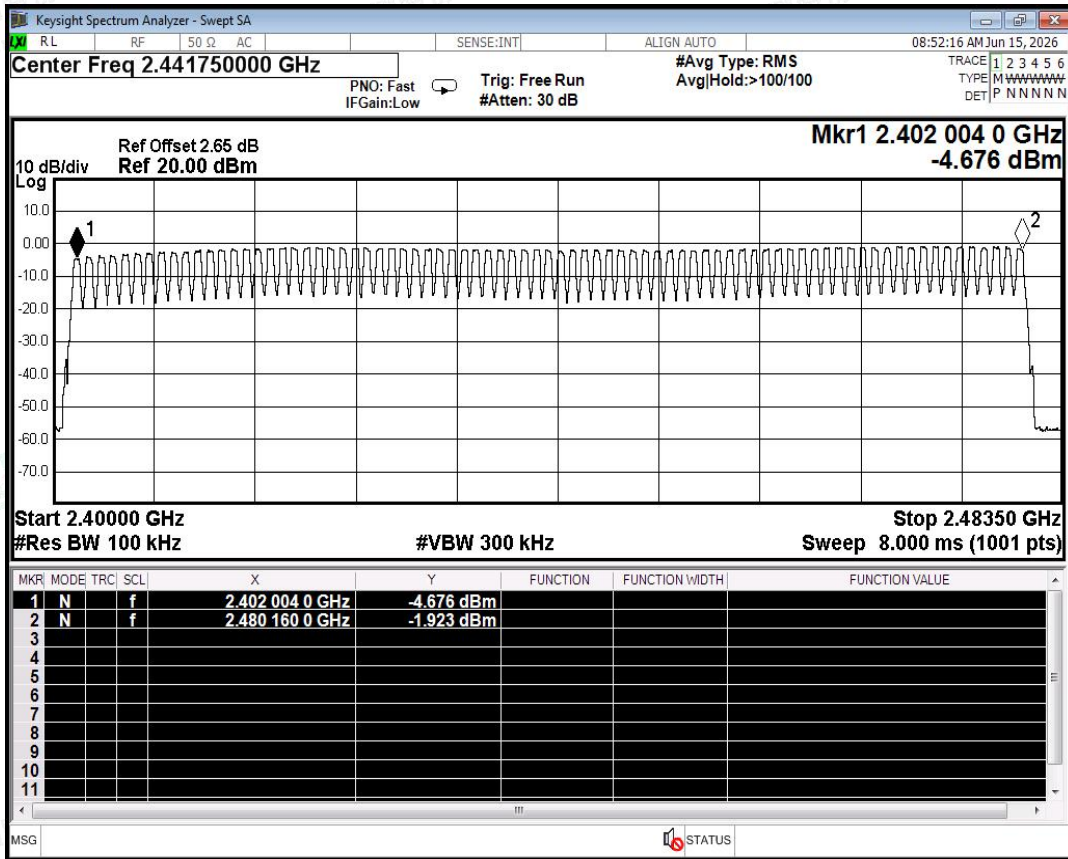
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A.5 Number of Hopping Channel

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





Hopping No. NVNT 1-DH5 2402MHz Ant1



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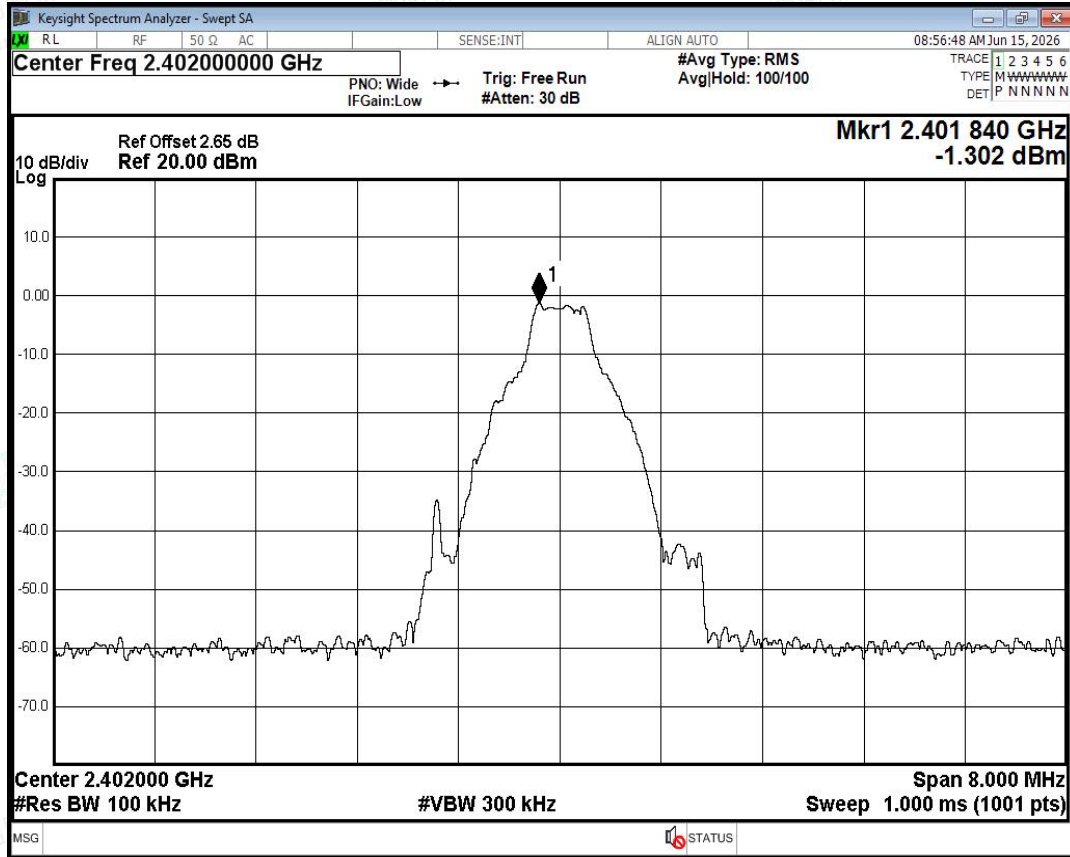
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A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-55.65	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-57.59	-20	Pass





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

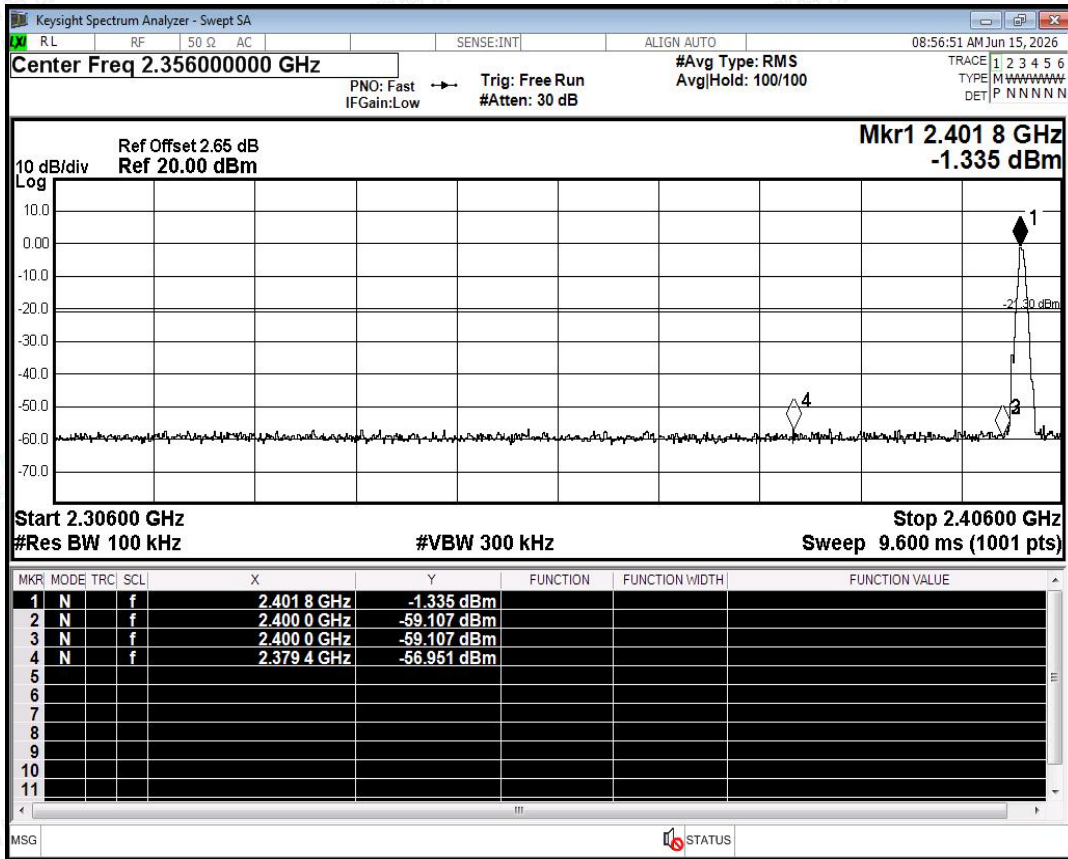


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Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

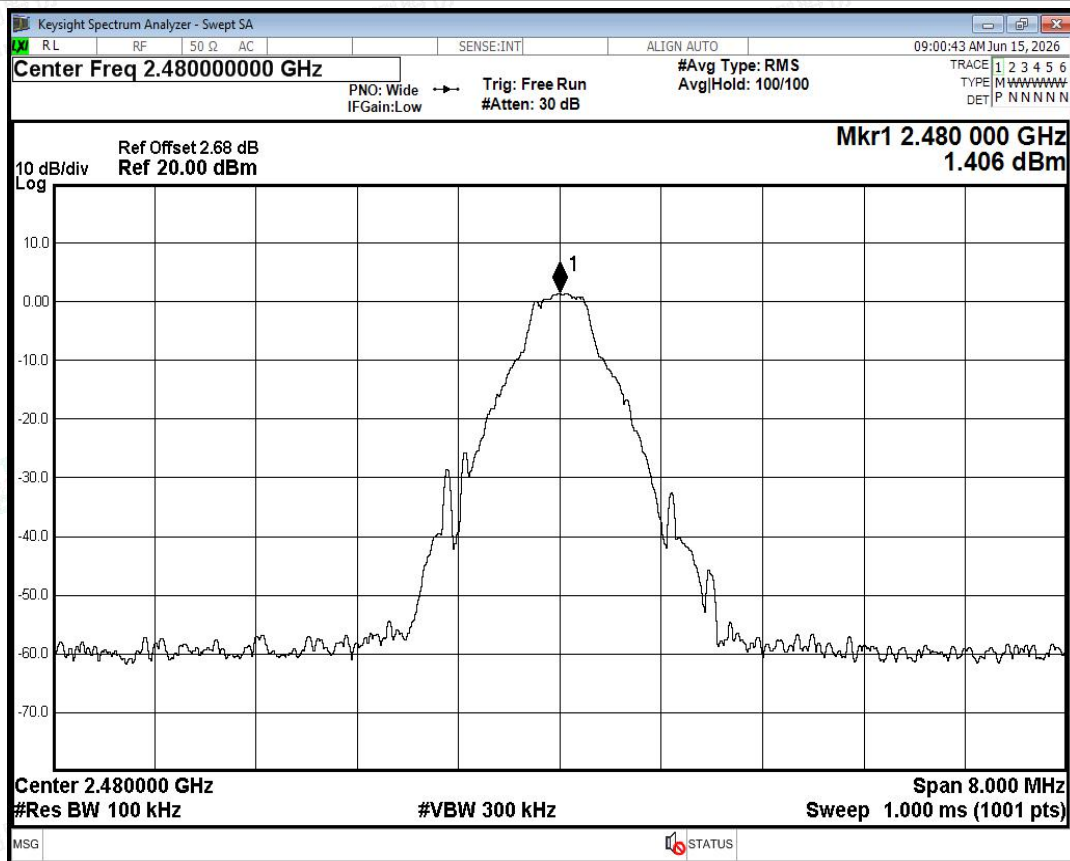


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Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

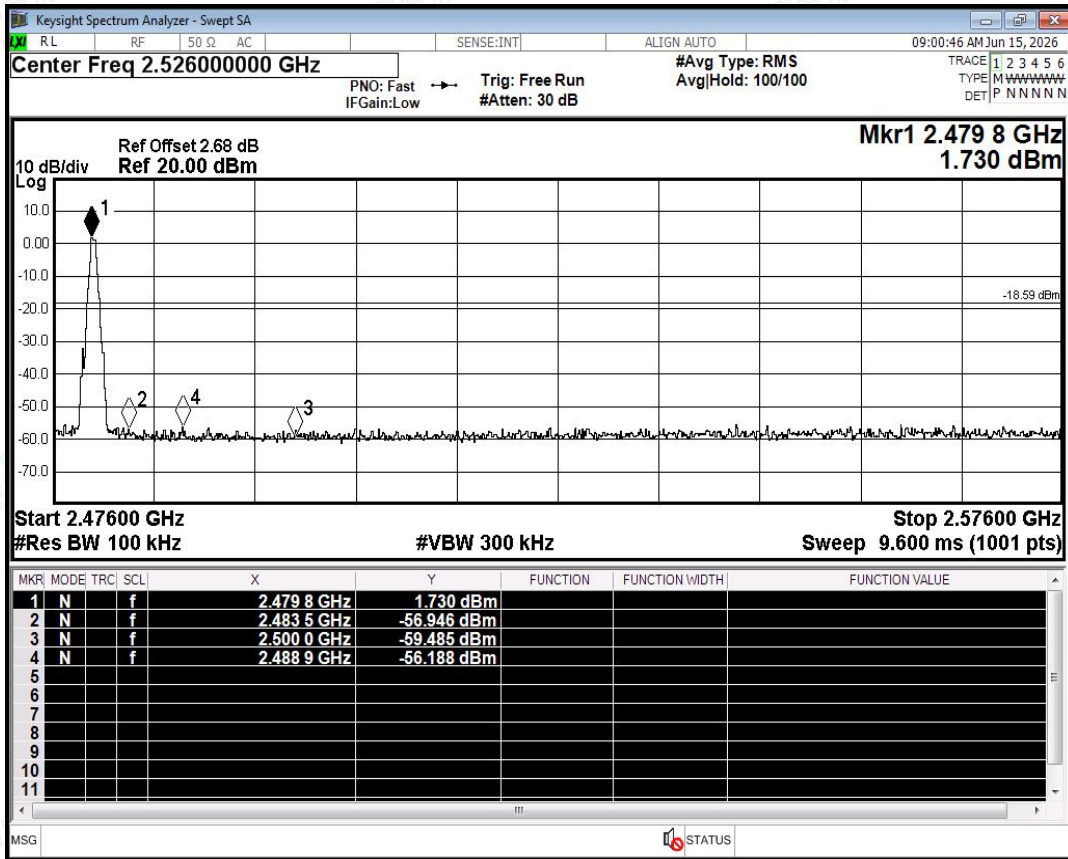


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Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



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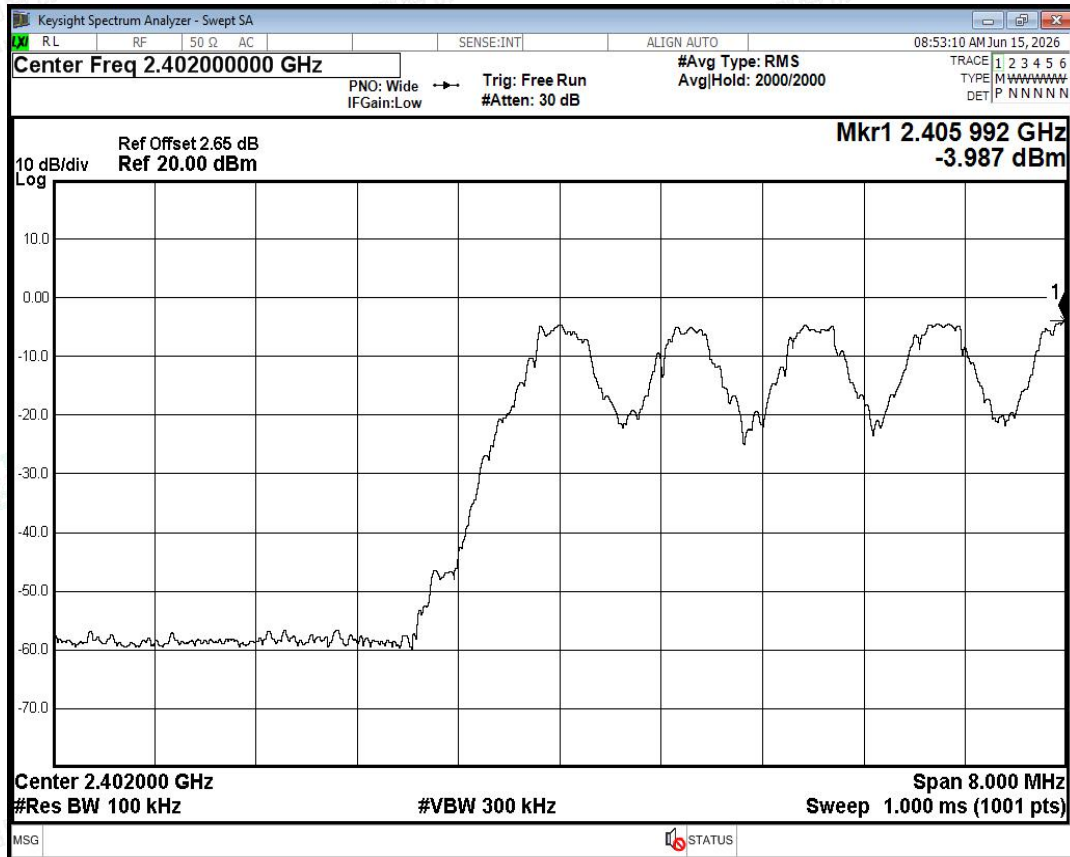
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(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-51.5	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-55.01	-20	Pass



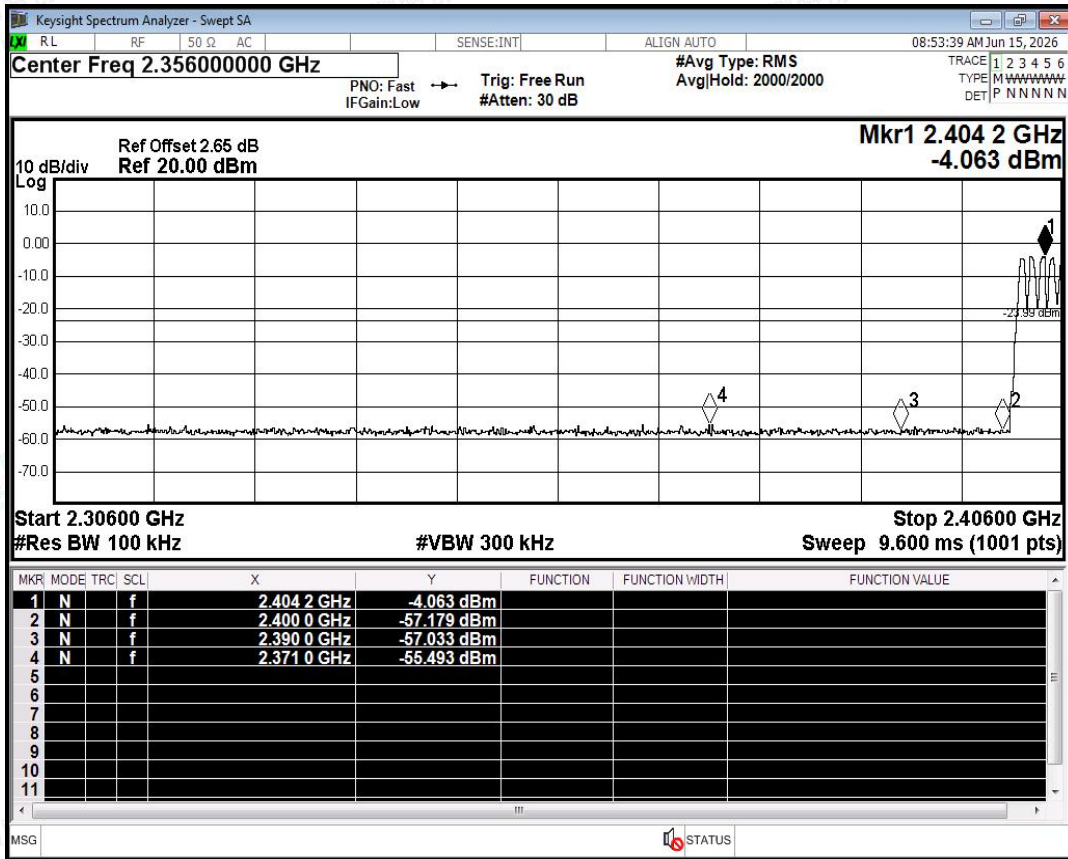


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Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission

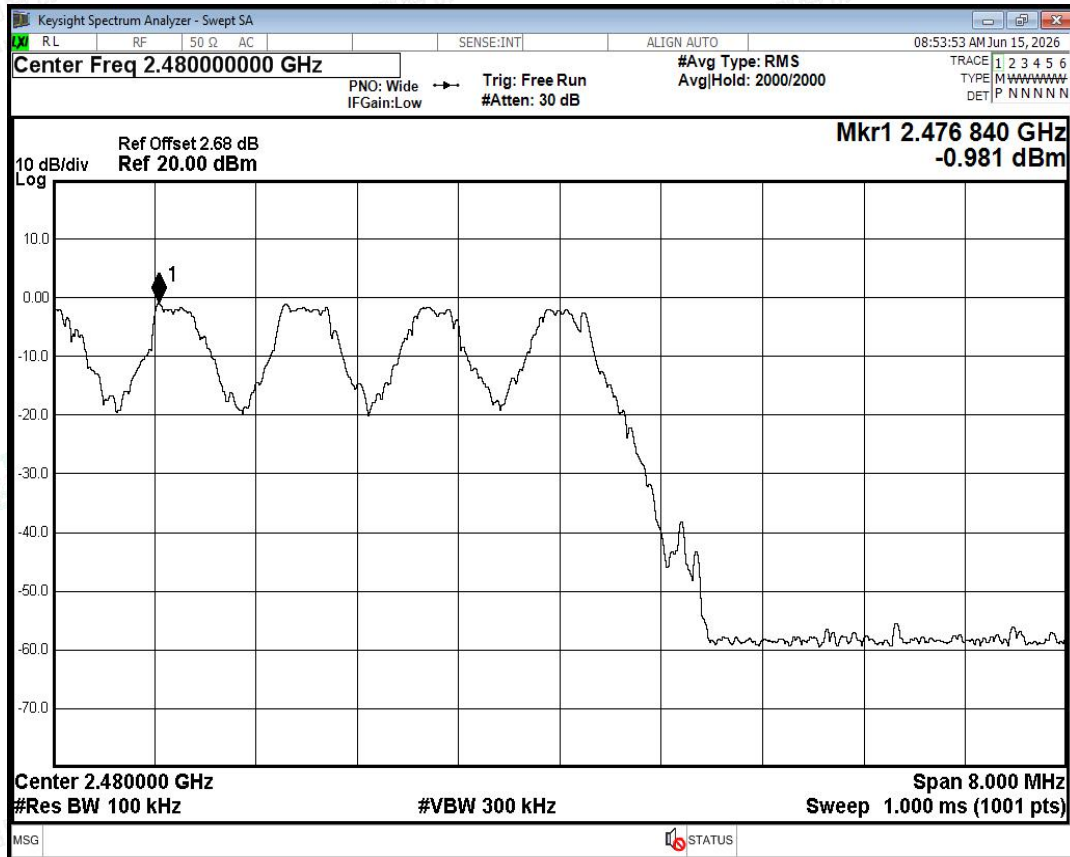


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Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref

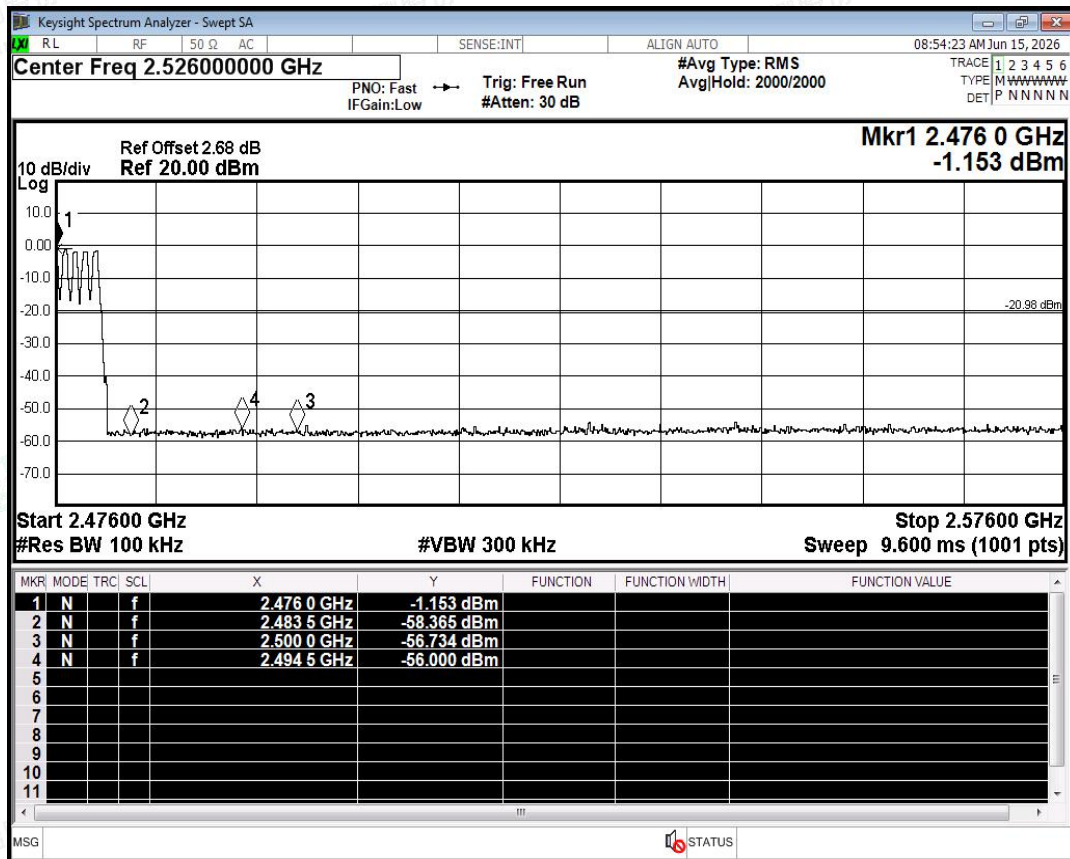


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Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission



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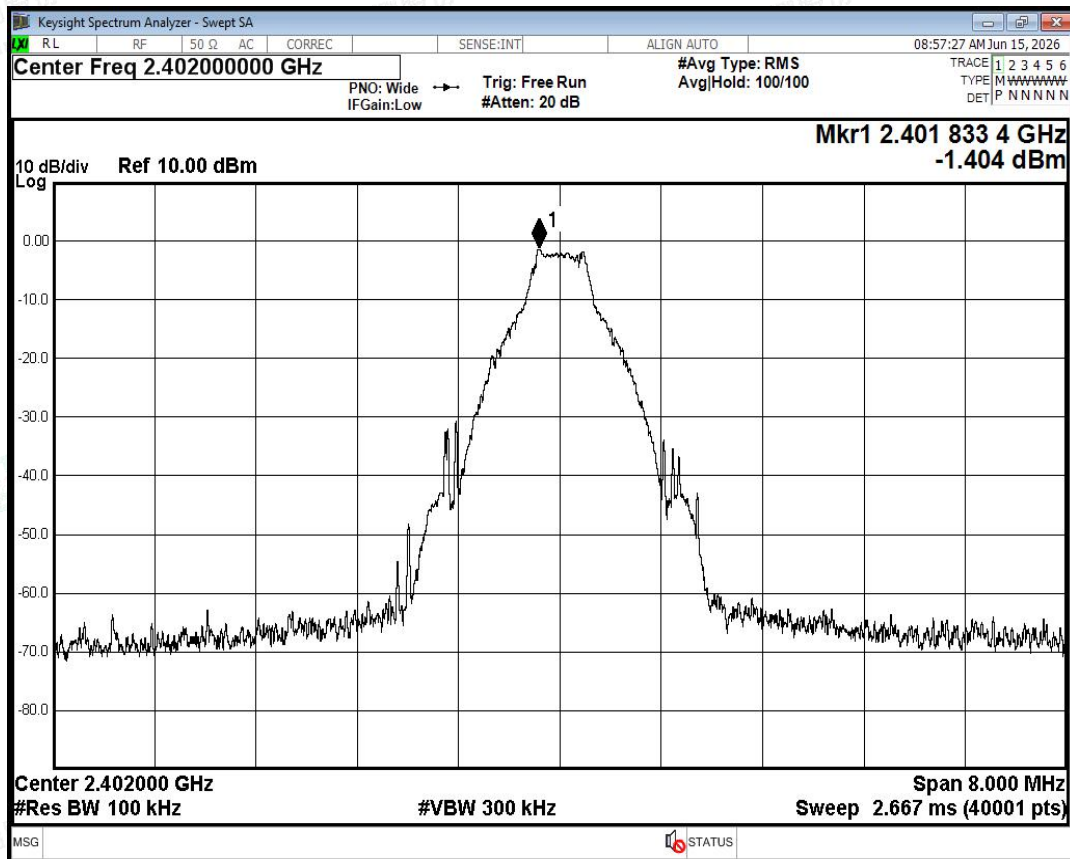
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A.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-44.21	-20	Pass
NVNT	1-DH5	2441	Ant1	-46.54	-20	Pass
NVNT	1-DH5	2480	Ant1	-47.99	-20	Pass





Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

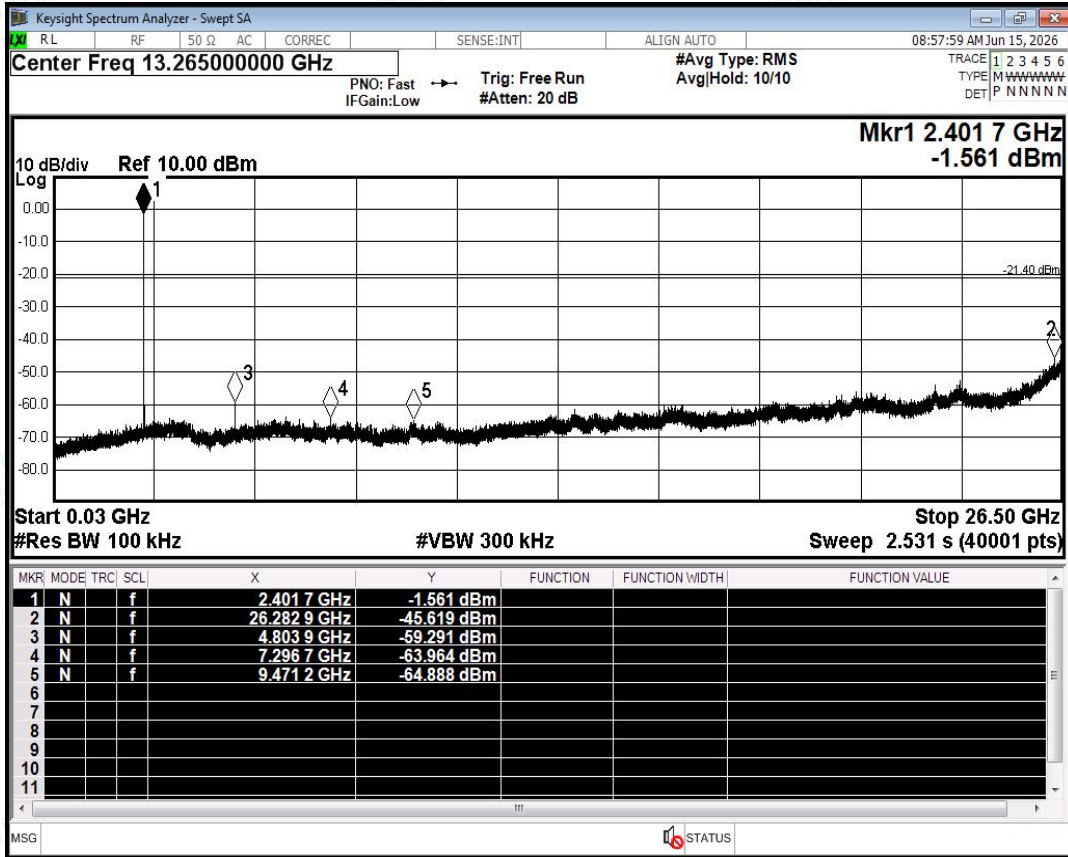


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Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

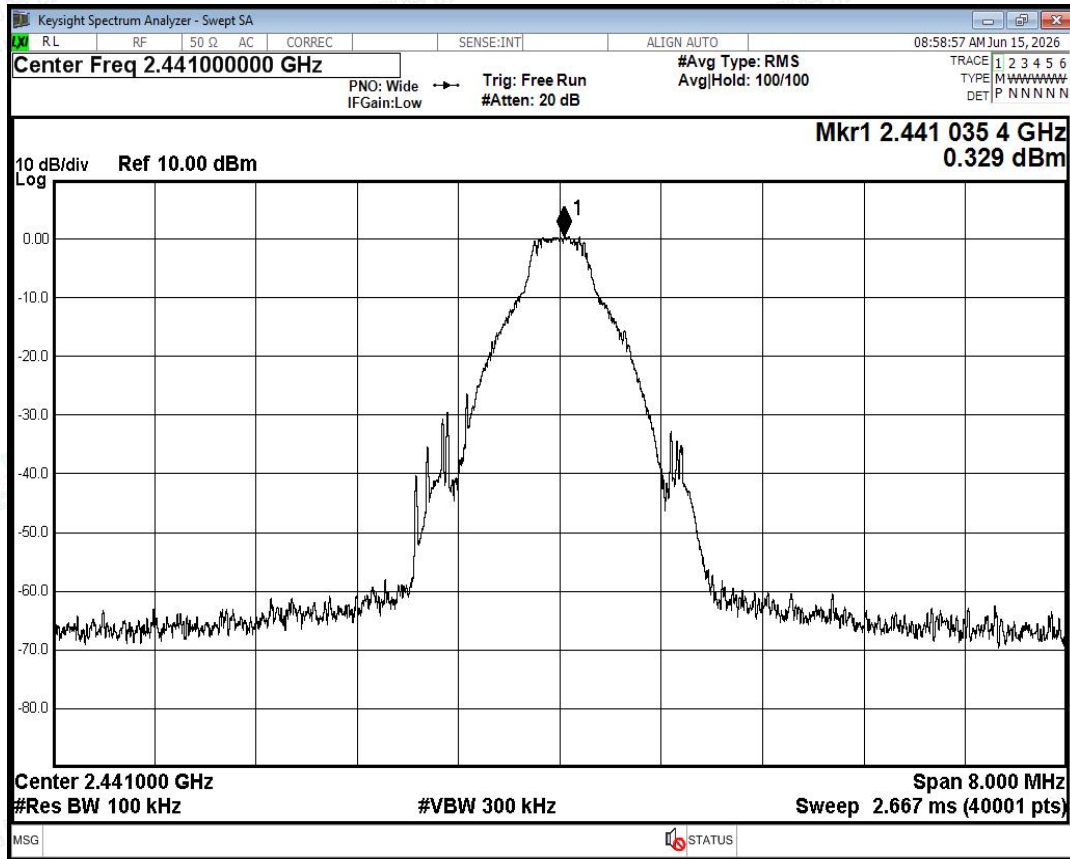


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Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref

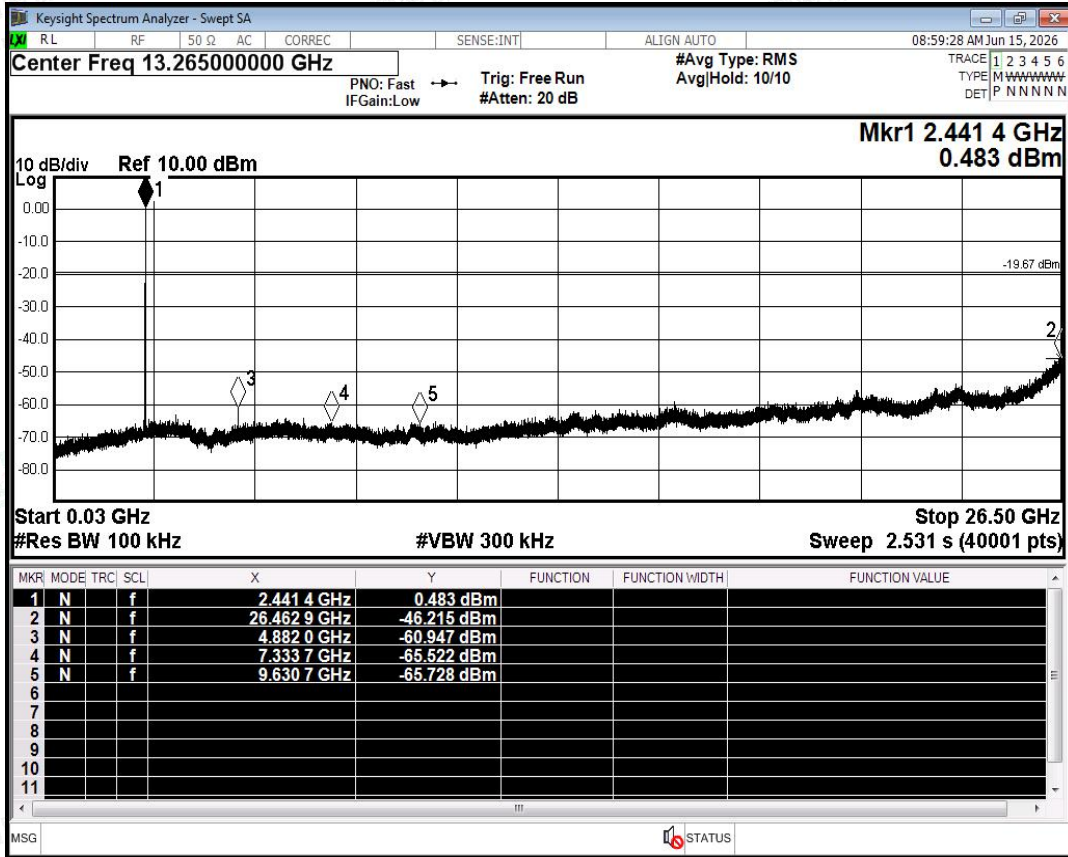


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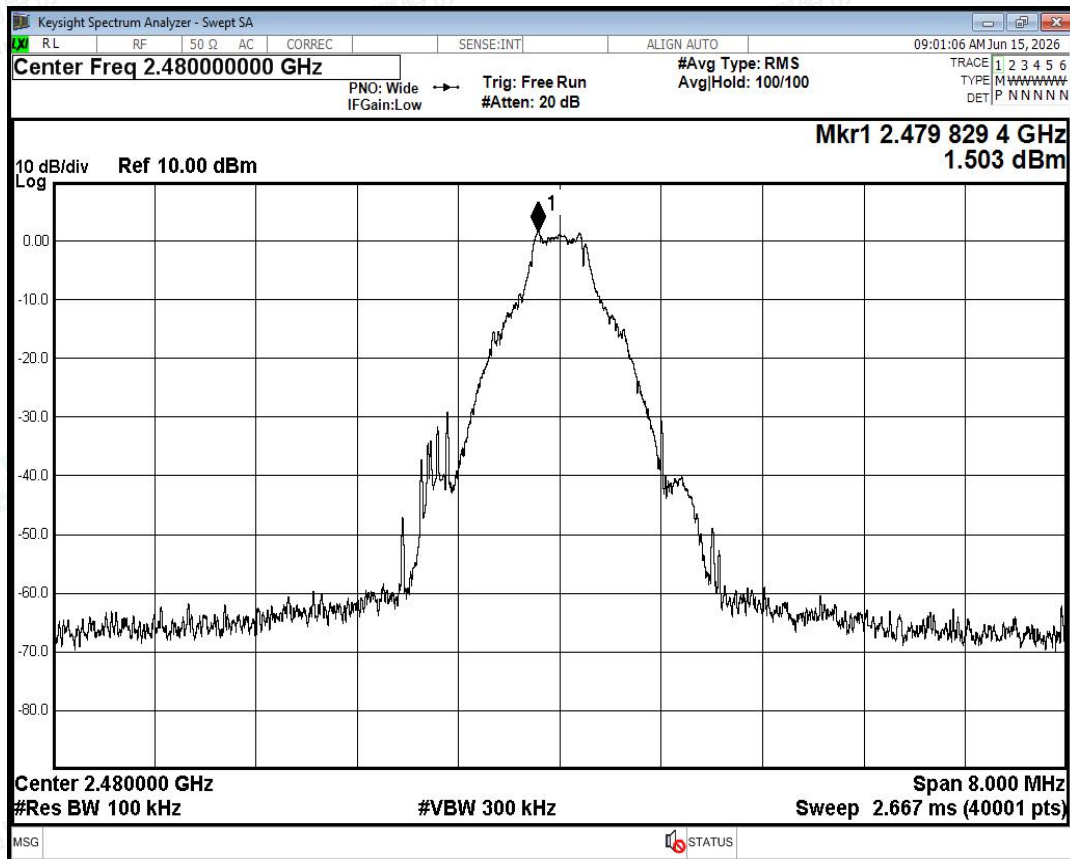


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Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

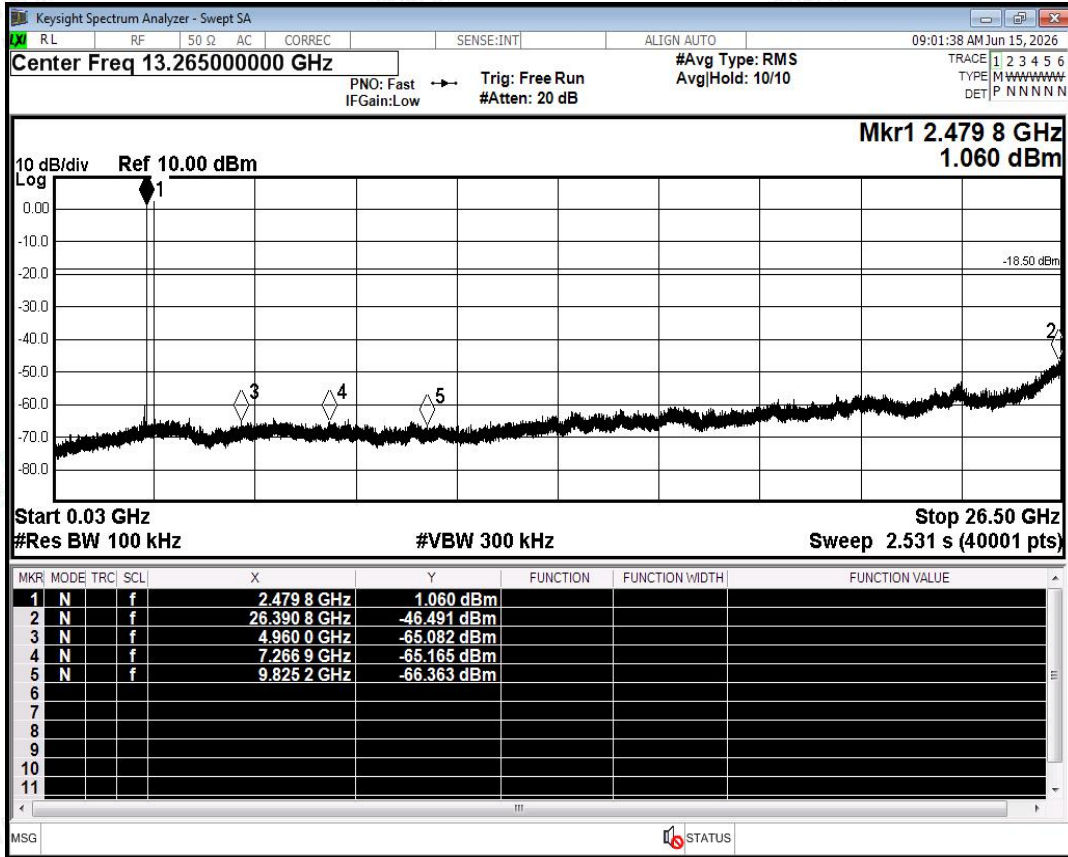


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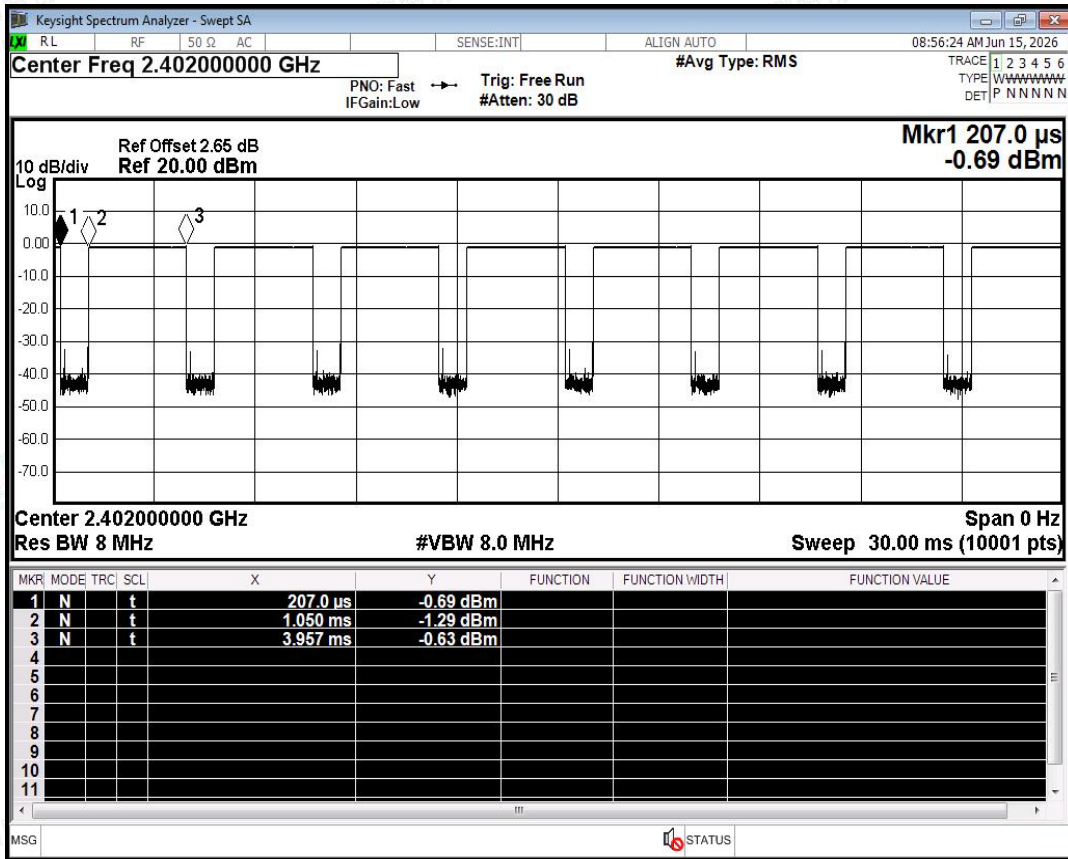
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A.8 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	77.52	1.11	0.34
NVNT	1-DH5	2441	Ant1	77.6	1.1	0.34
NVNT	1-DH5	2480	Ant1	77.6	1.1	0.34





Duty Cycle NVNT 1-DH5 2402MHz Ant1

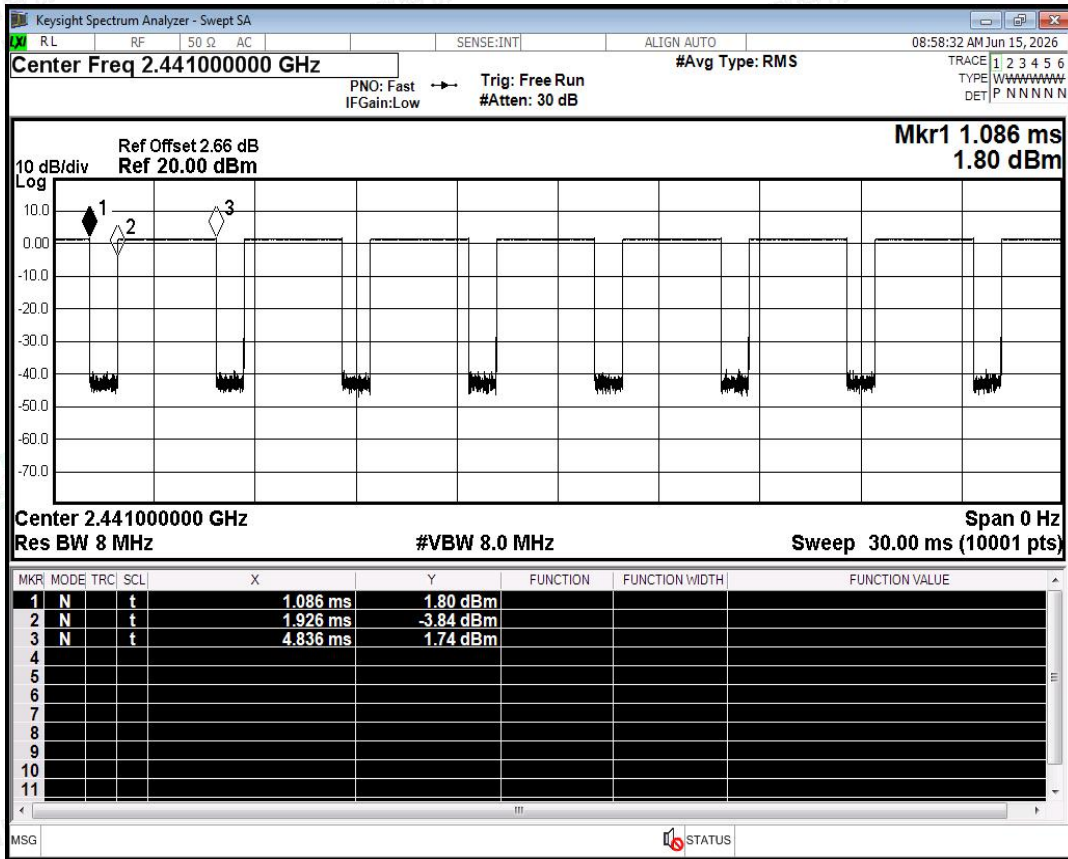


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Duty Cycle NVNT 1-DH5 2441MHz Ant1

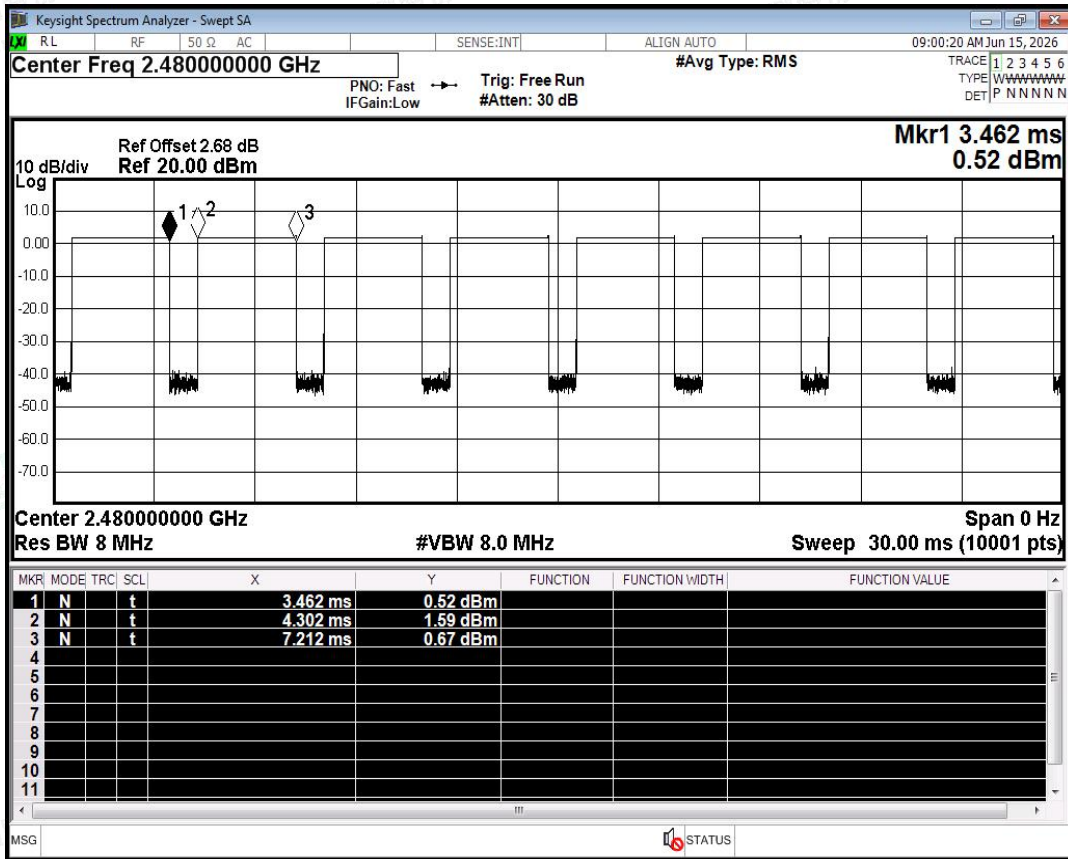


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A9 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-50.86	2	46.4	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-57.08	2	40.18	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2359.824	-47.12	2	50.14	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2320.944	-56.91	2	40.35	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-48.61	2	48.65	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-57.15	2	40.11	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-50.52	2	46.74	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-55	2	42.26	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2485.6	-44.47	2	52.79	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.512	-55	2	42.26	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-50.26	2	47	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-56.99	2	40.27	Average	54	Pass

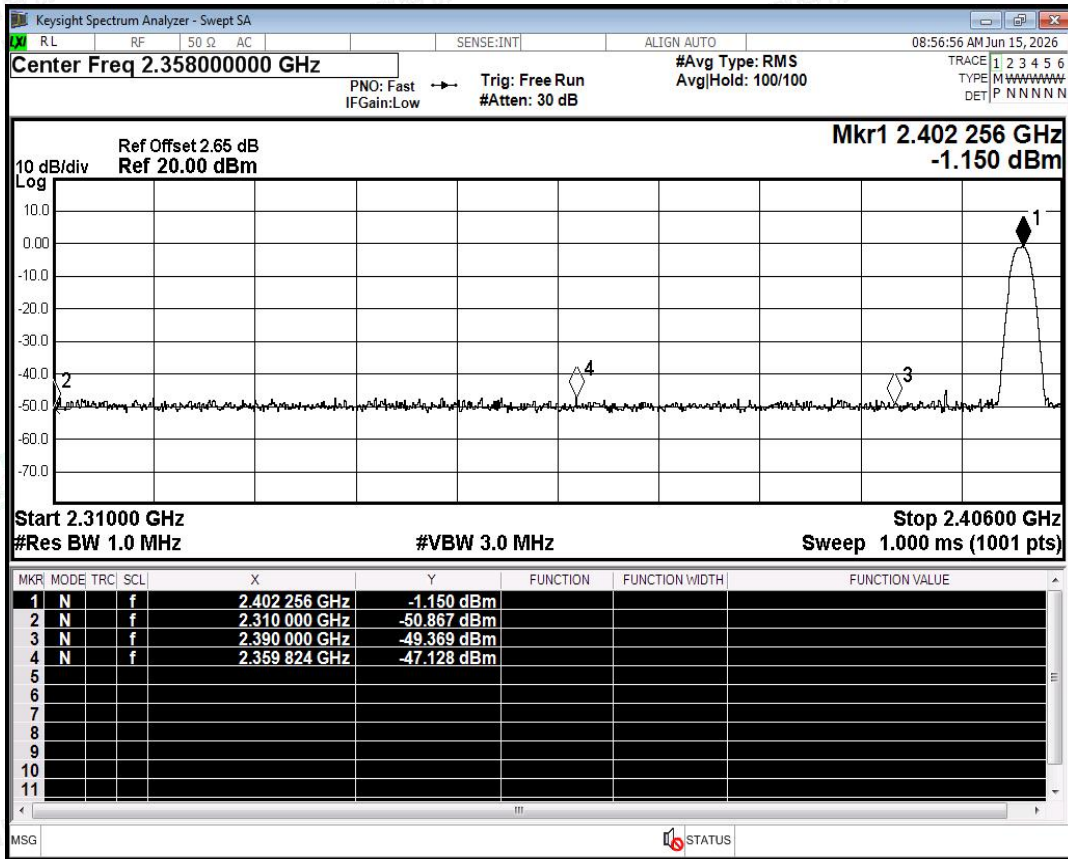


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Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Peak

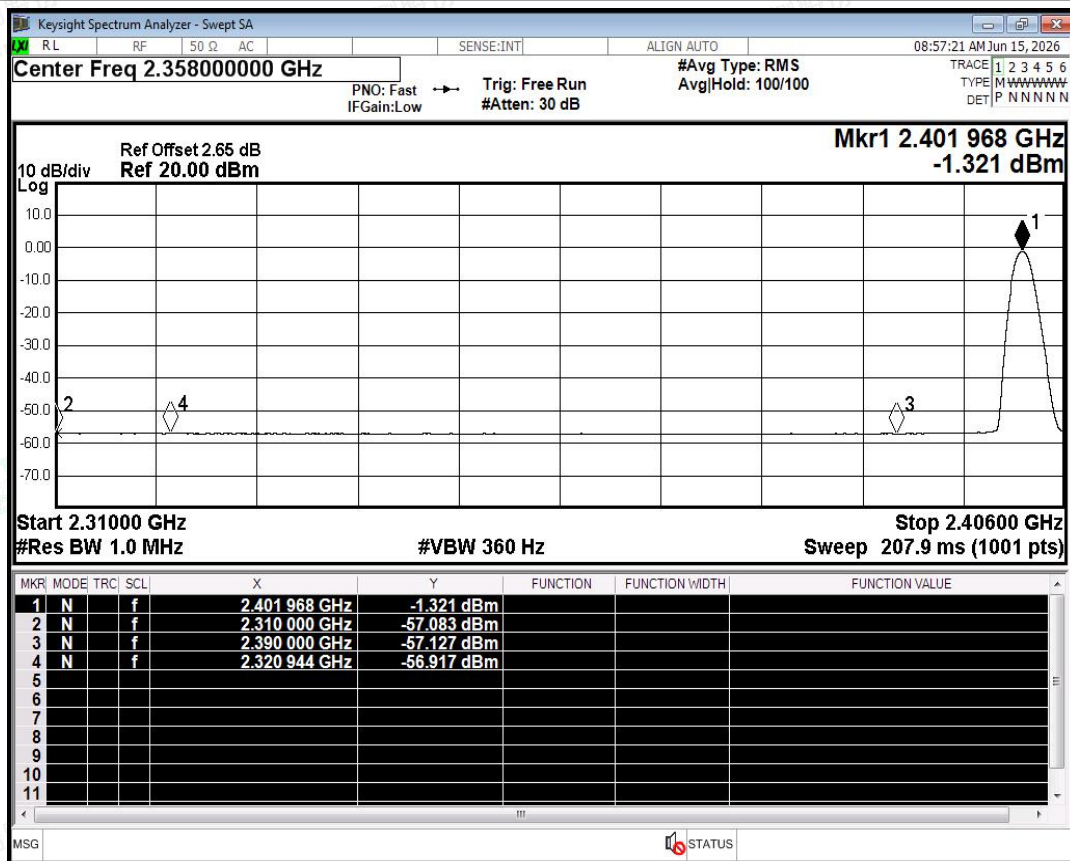


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Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average

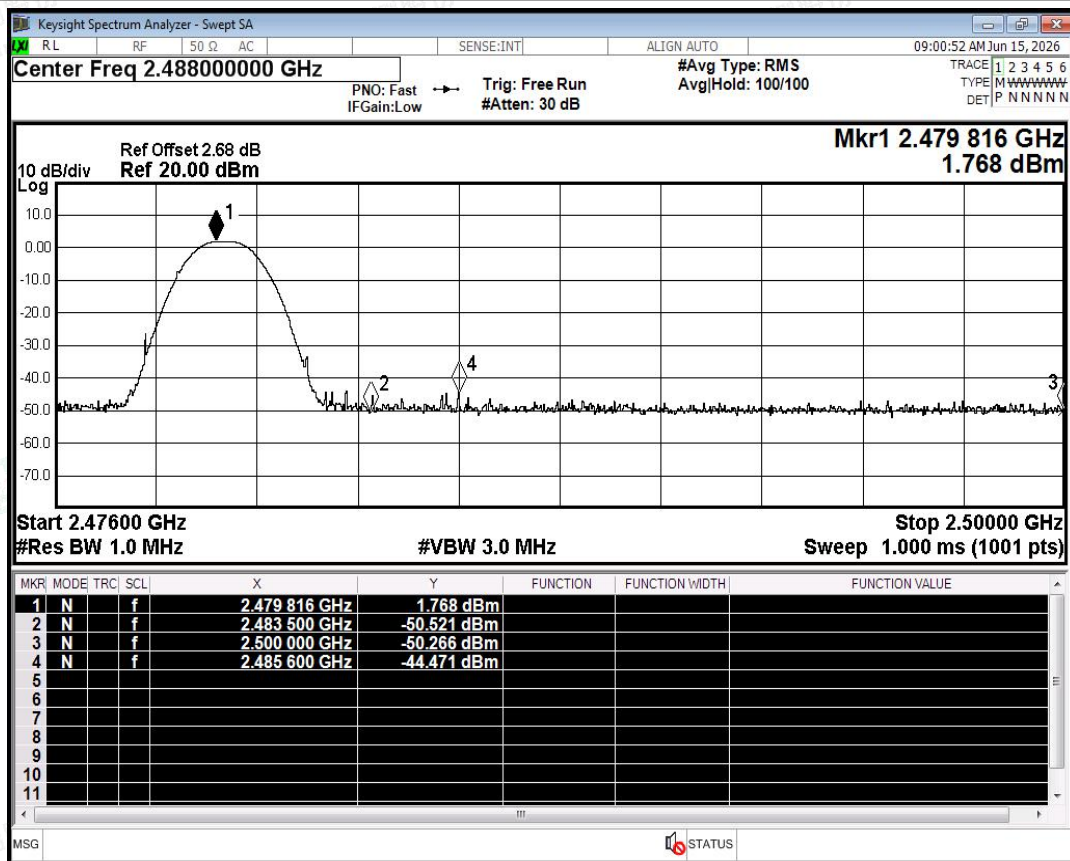


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Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

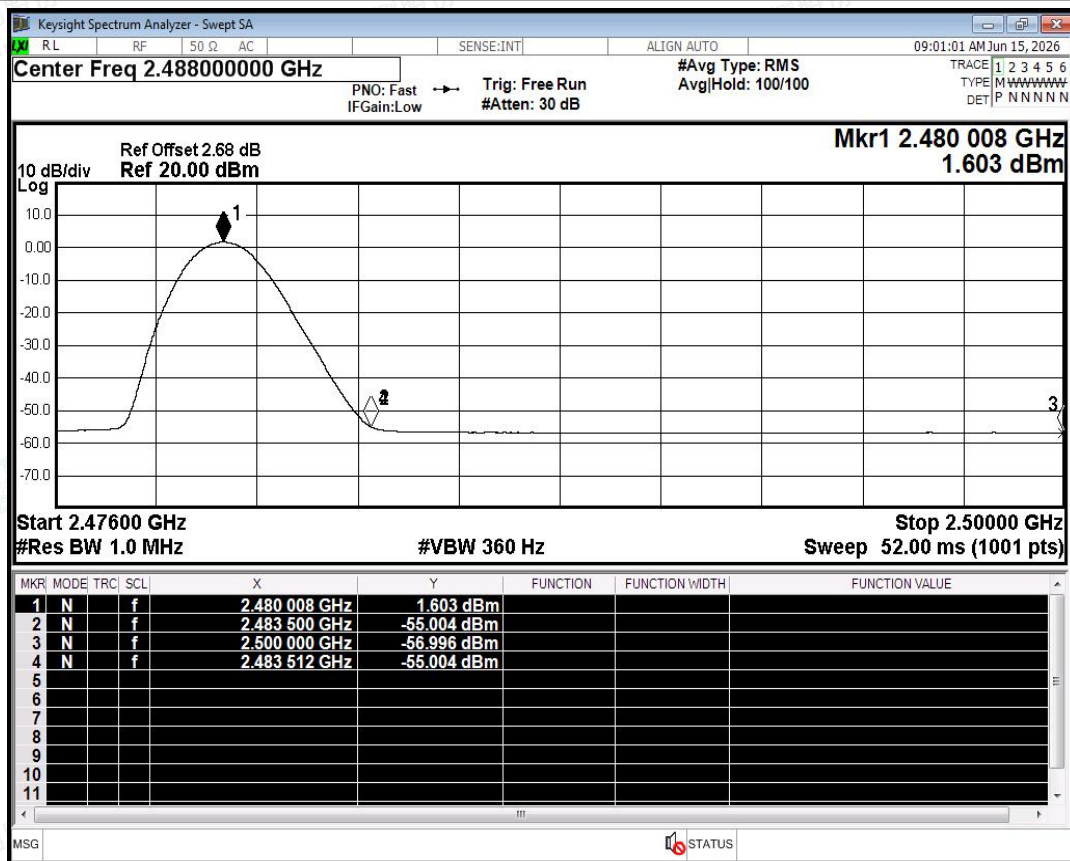


Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

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Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average



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