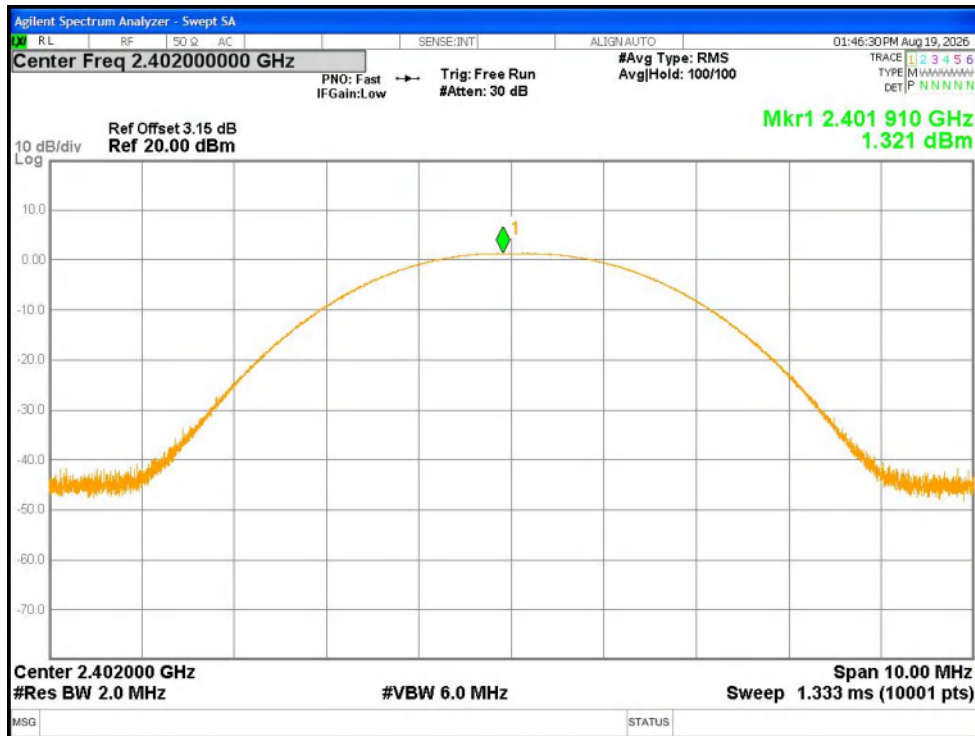


Product Name : Rock speaker

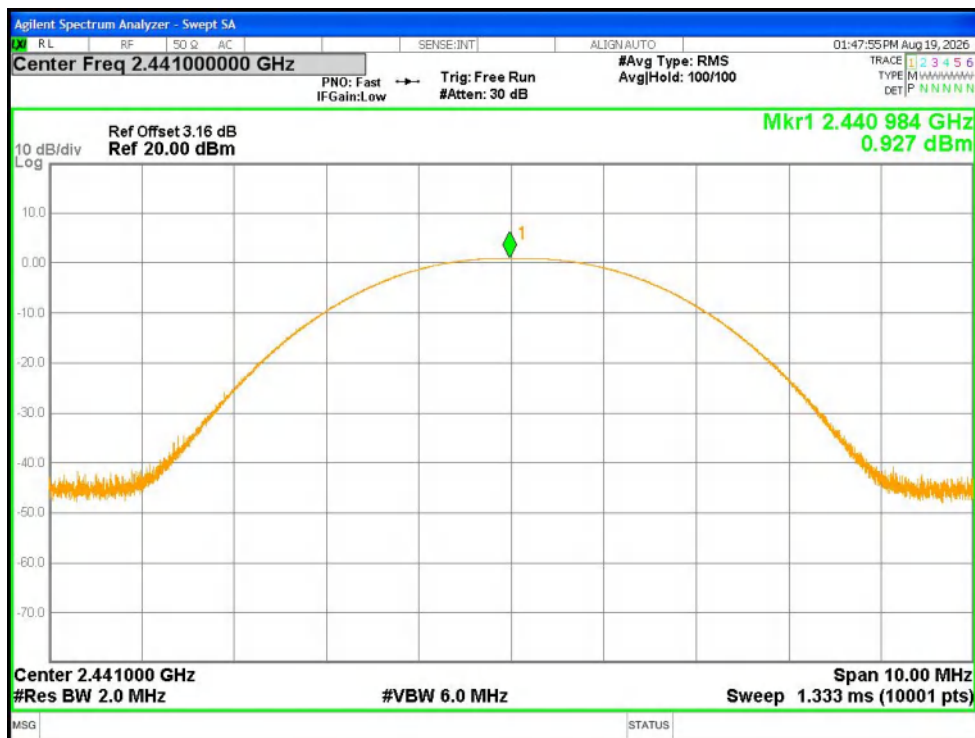
FCC ID : 2BXX8-JMJ2023

1. Maximum Peak Conducted Output Power

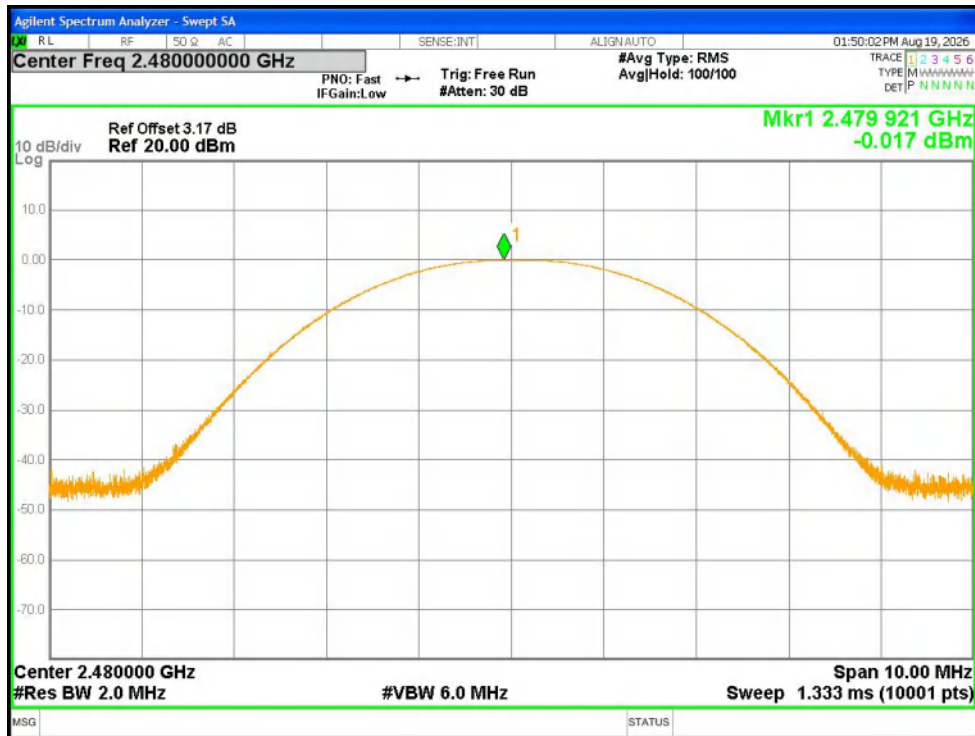
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	1.32	21	Pass
NVNT	1-DH5	2441	Ant1	0.93	21	Pass
NVNT	1-DH5	2480	Ant1	-0.02	21	Pass
NVNT	2-DH5	2402	Ant1	2.18	21	Pass
NVNT	2-DH5	2441	Ant1	1.75	21	Pass
NVNT	2-DH5	2480	Ant1	0.84	21	Pass
NVNT	3-DH5	2402	Ant1	2.57	21	Pass
NVNT	3-DH5	2441	Ant1	2.18	21	Pass
NVNT	3-DH5	2480	Ant1	1.23	21	Pass



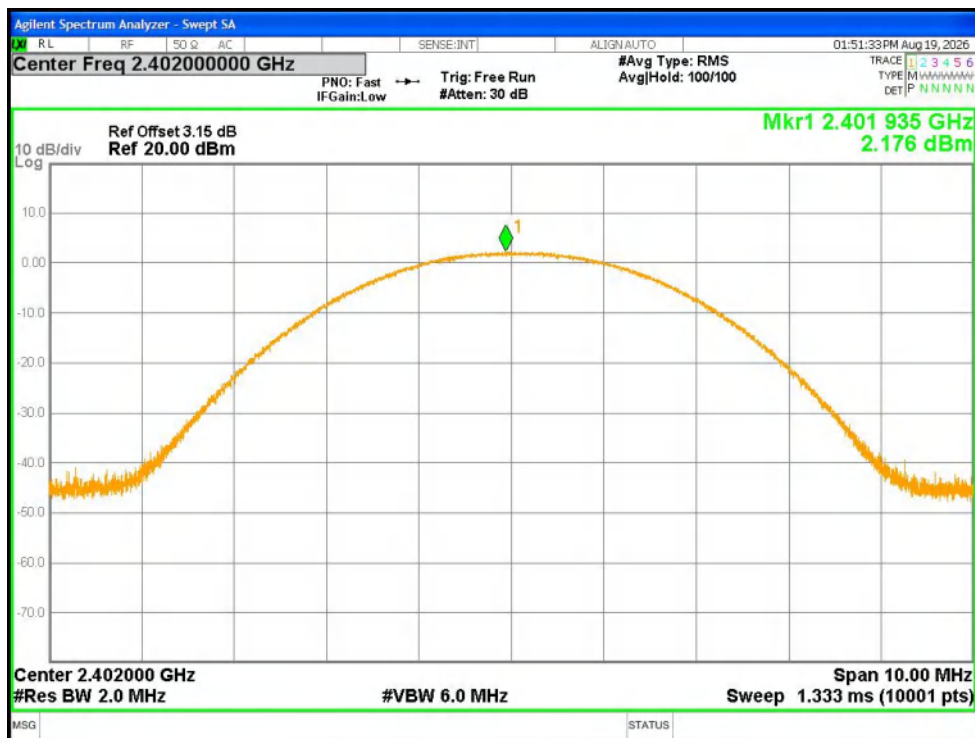
Peak Power NVNT 1-DH5 2402MHz Ant1



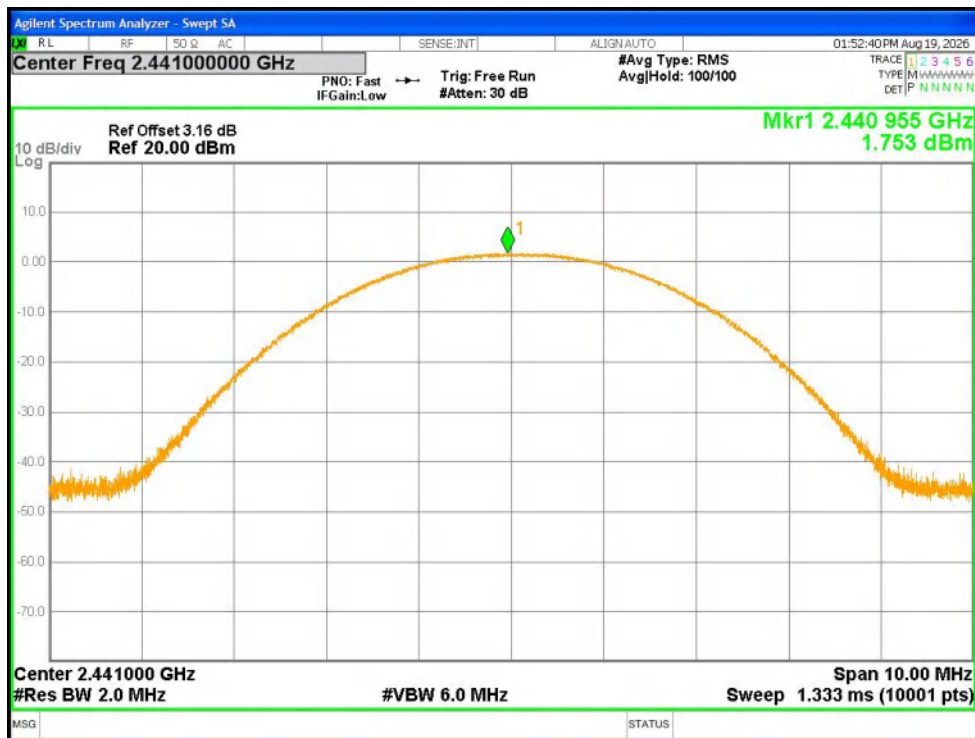
Peak Power NVNT 1-DH5 2441MHz Ant1



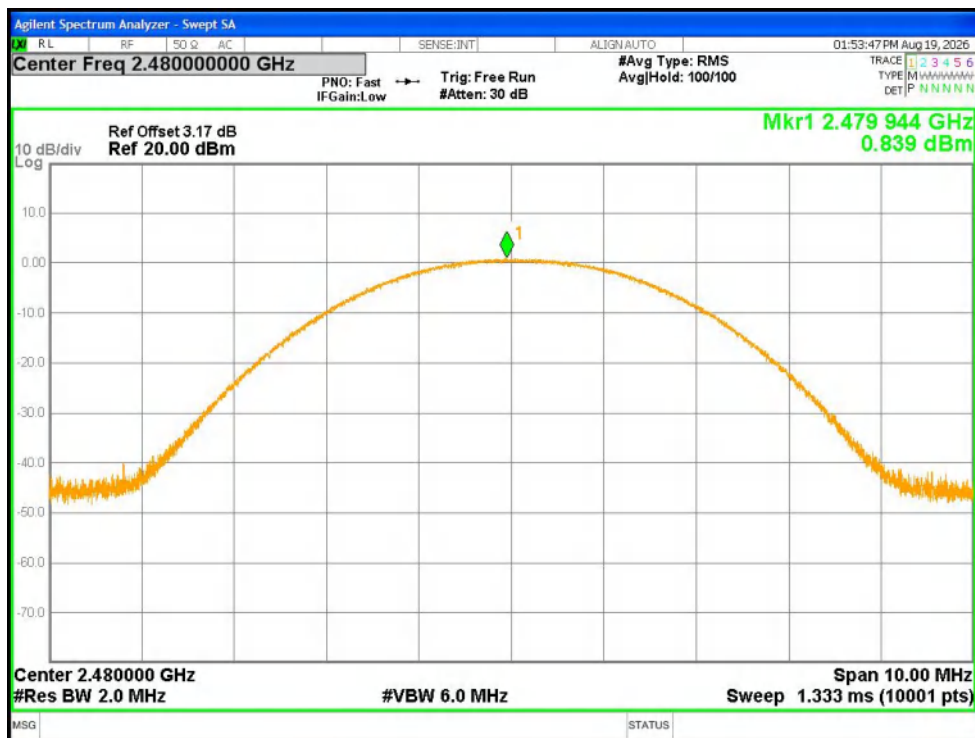
Peak Power NVNT 1-DH5 2480MHz Ant1



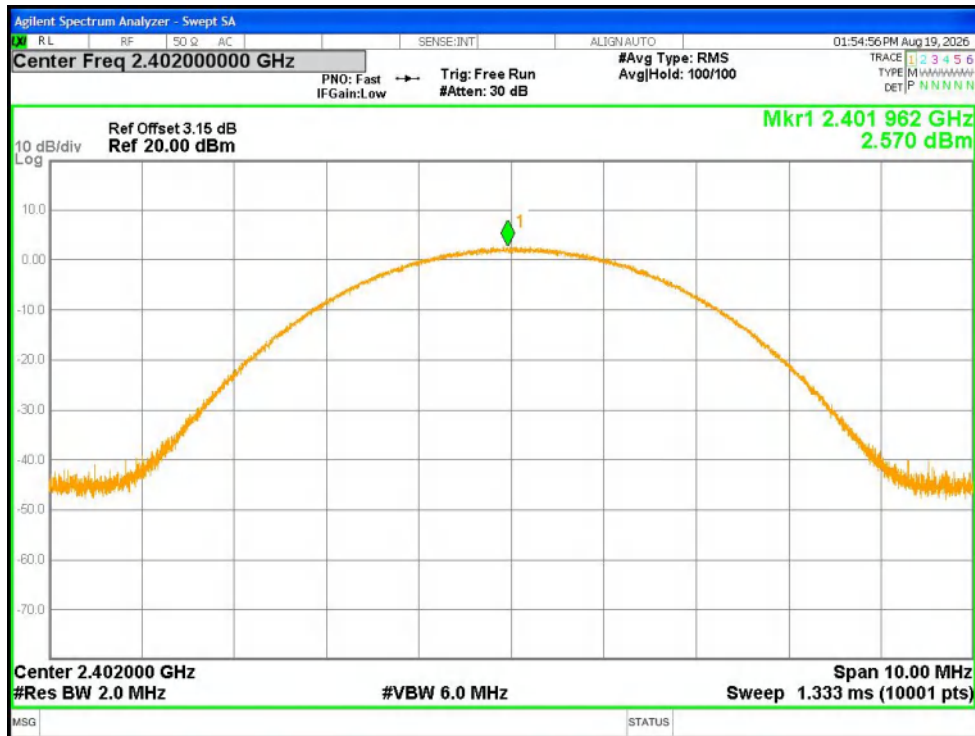
Peak Power NVNT 2-DH5 2402MHz Ant1



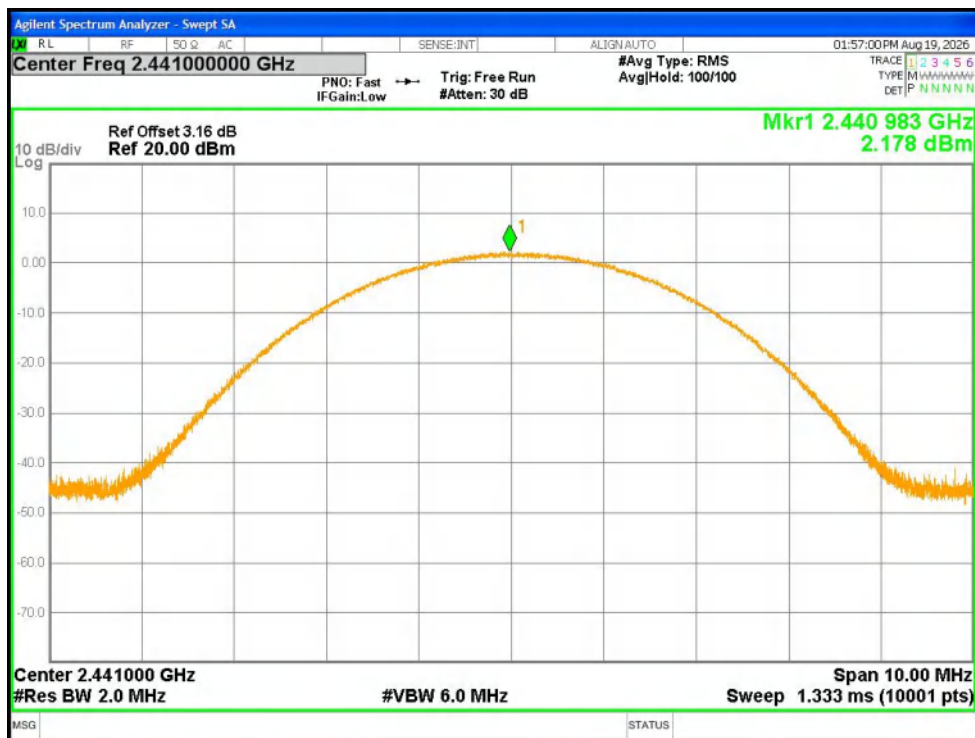
Peak Power NVNT 2-DH5 2441MHz Ant1



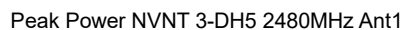
Peak Power NVNT 2-DH5 2480MHz Ant1



Peak Power NVNT 3-DH5 2402MHz Ant1

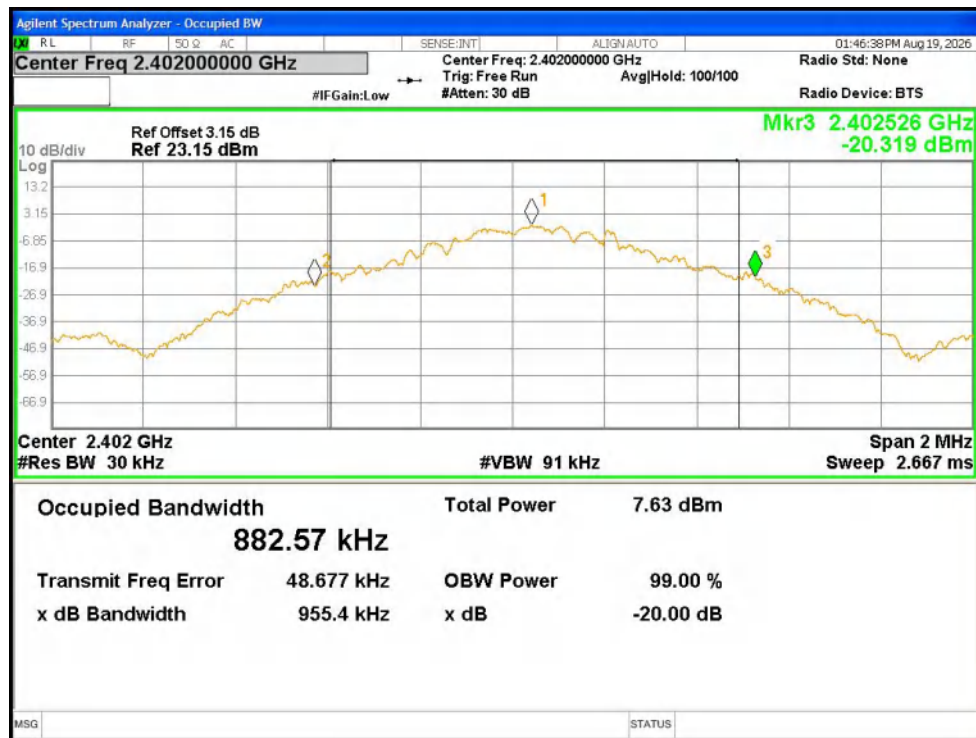


Peak Power NVNT 3-DH5 2441MHz Ant1

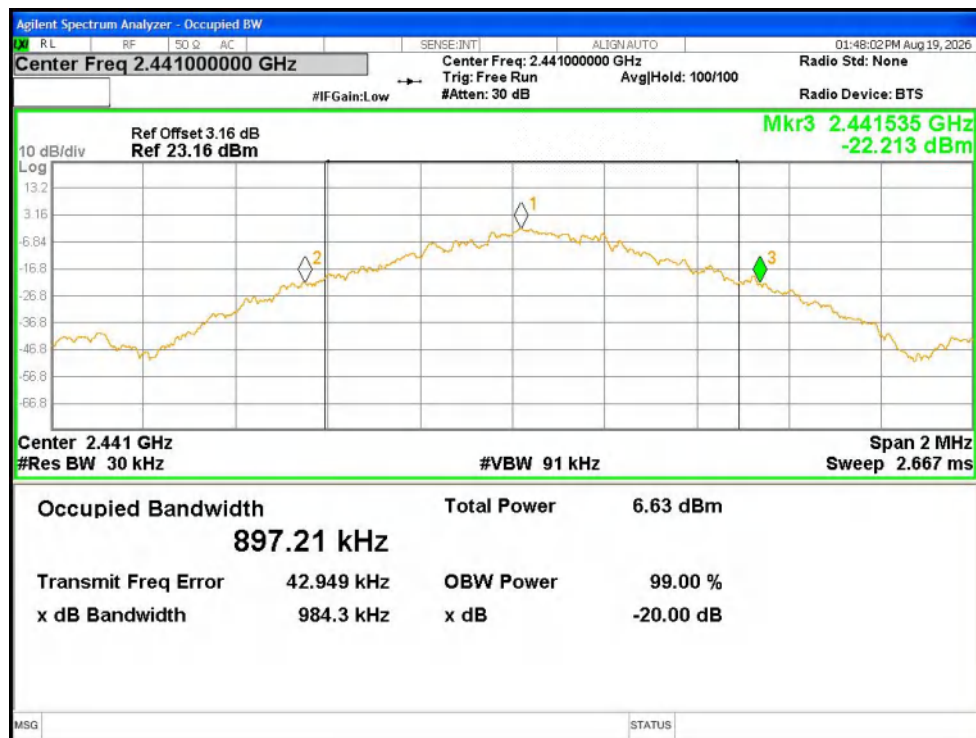


2. -20dB Bandwidth

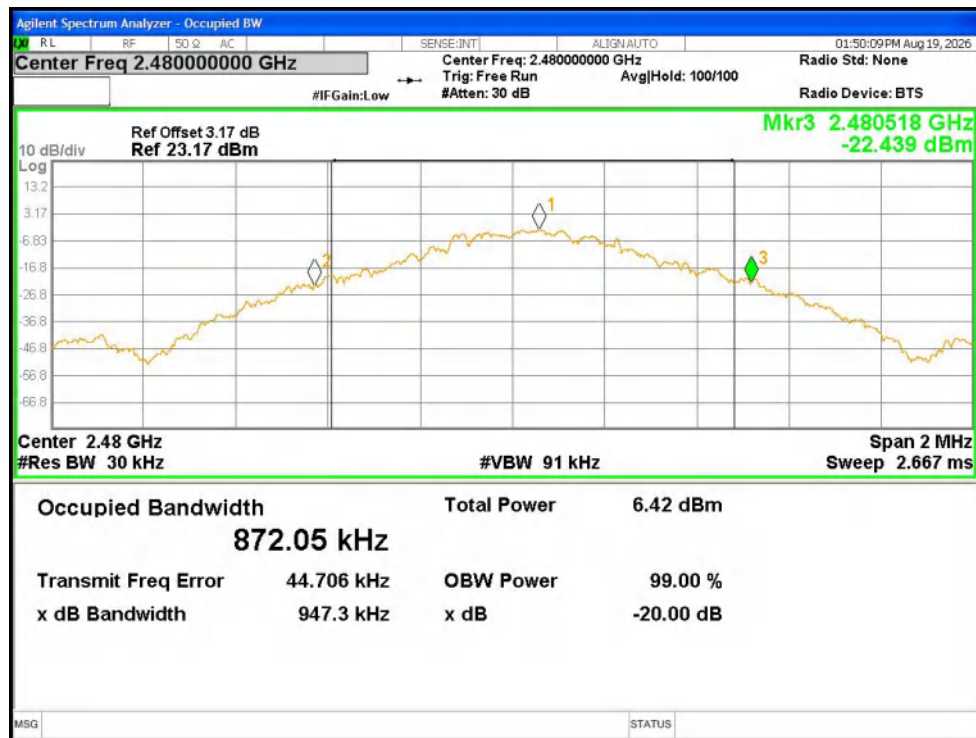
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.955	0	Pass
NVNT	1-DH5	2441	Ant1	0.984	0	Pass
NVNT	1-DH5	2480	Ant1	0.947	0	Pass
NVNT	2-DH5	2402	Ant1	1.268	0	Pass
NVNT	2-DH5	2441	Ant1	1.278	0	Pass
NVNT	2-DH5	2480	Ant1	1.307	0	Pass
NVNT	3-DH5	2402	Ant1	1.309	0	Pass
NVNT	3-DH5	2441	Ant1	1.302	0	Pass
NVNT	3-DH5	2480	Ant1	1.299	0	Pass



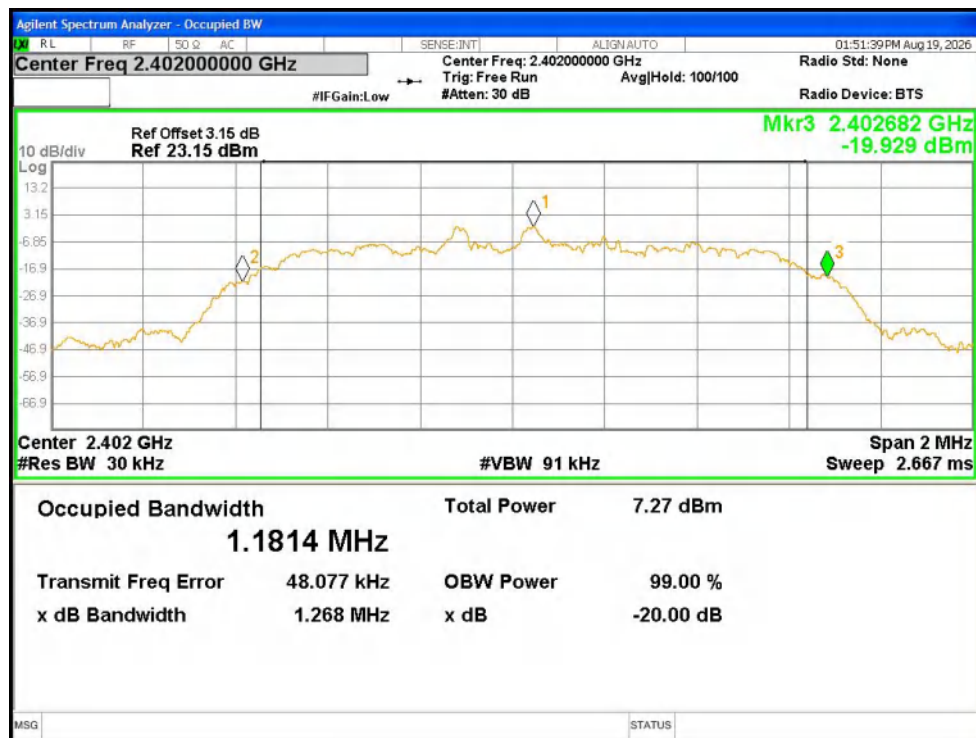
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



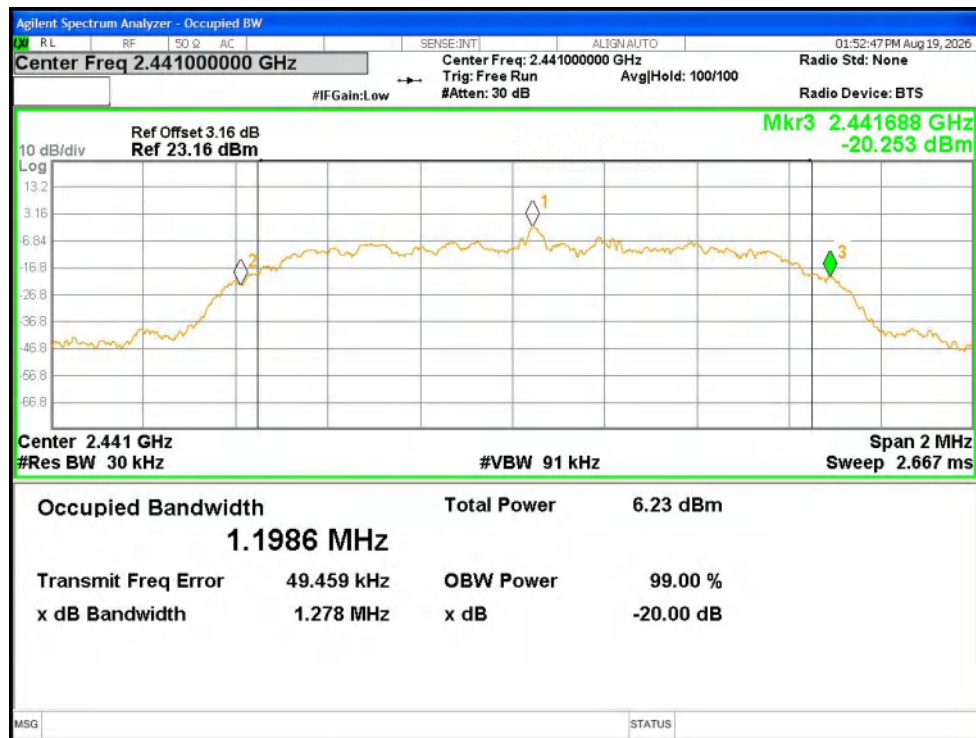
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



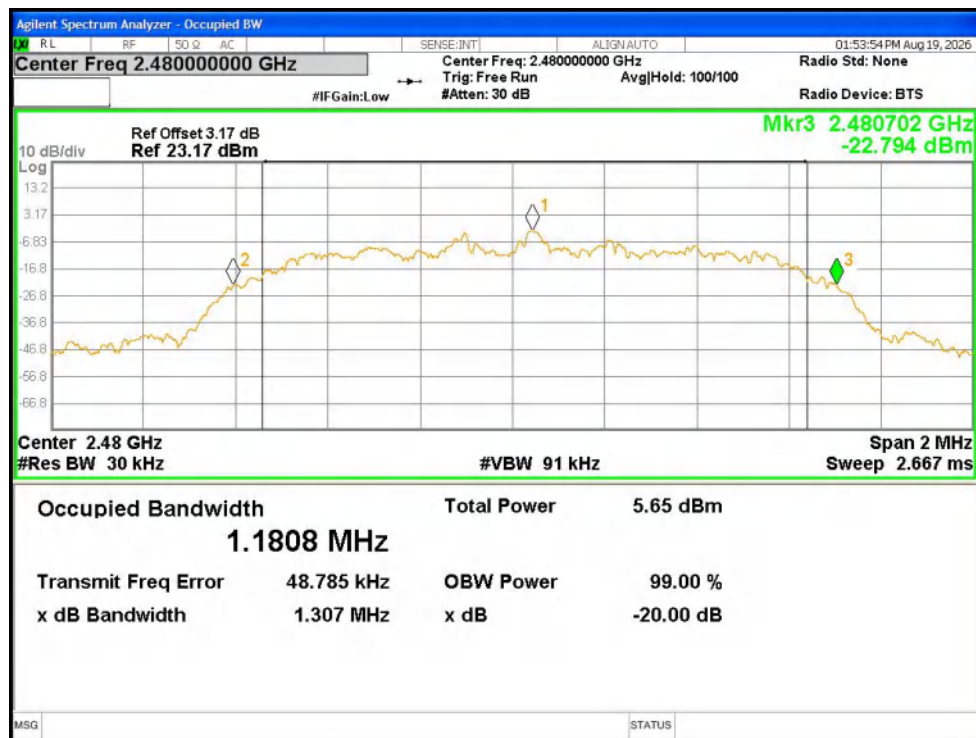
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



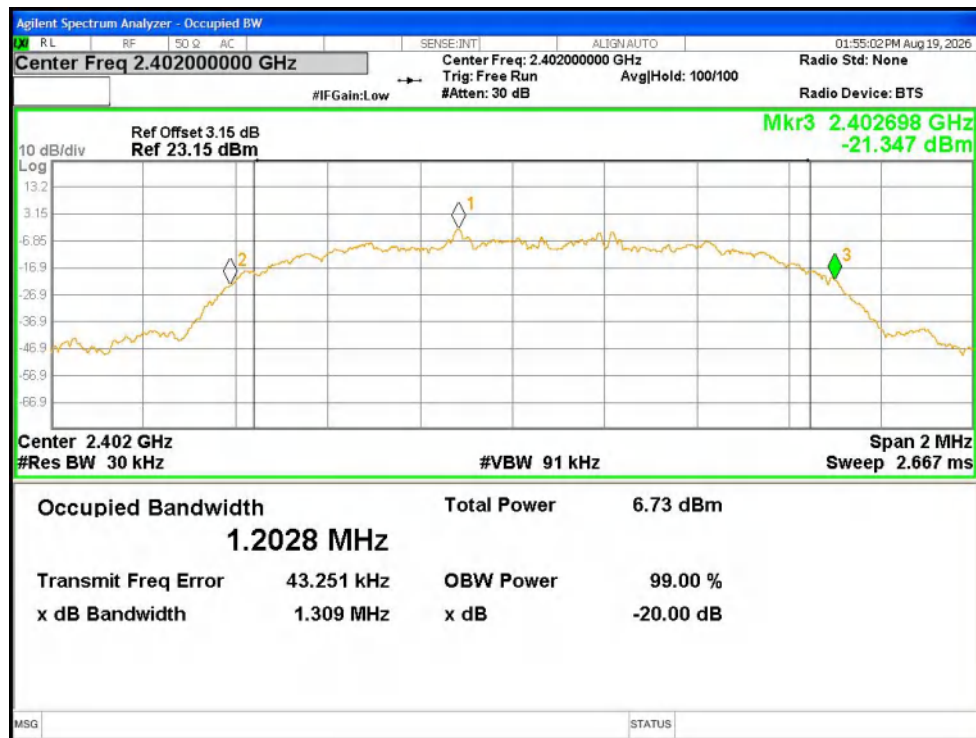
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



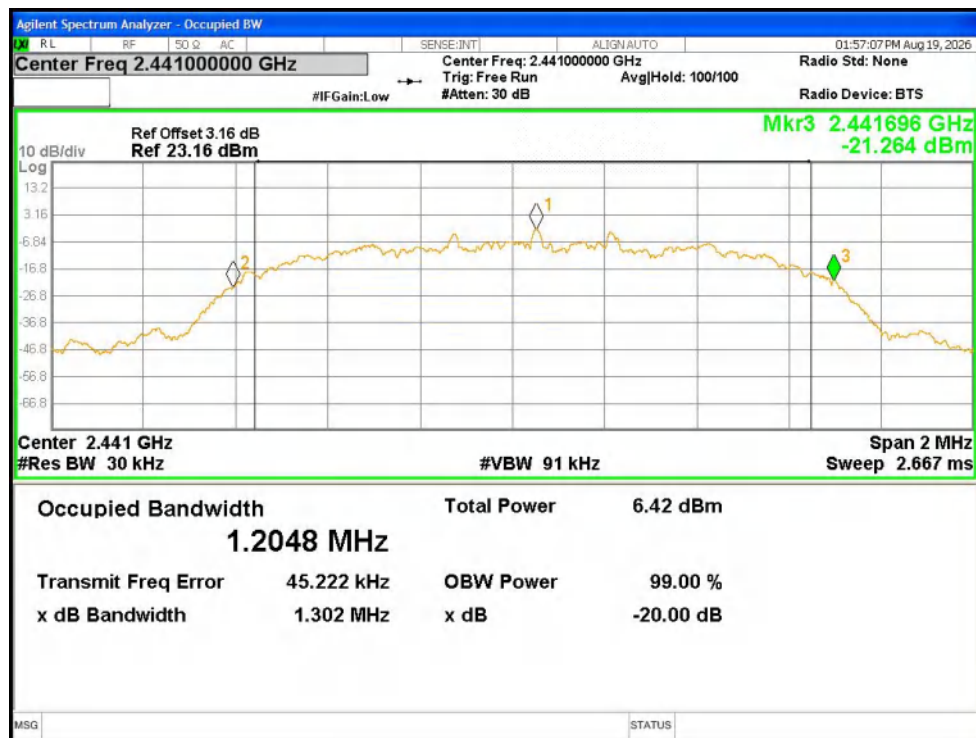
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



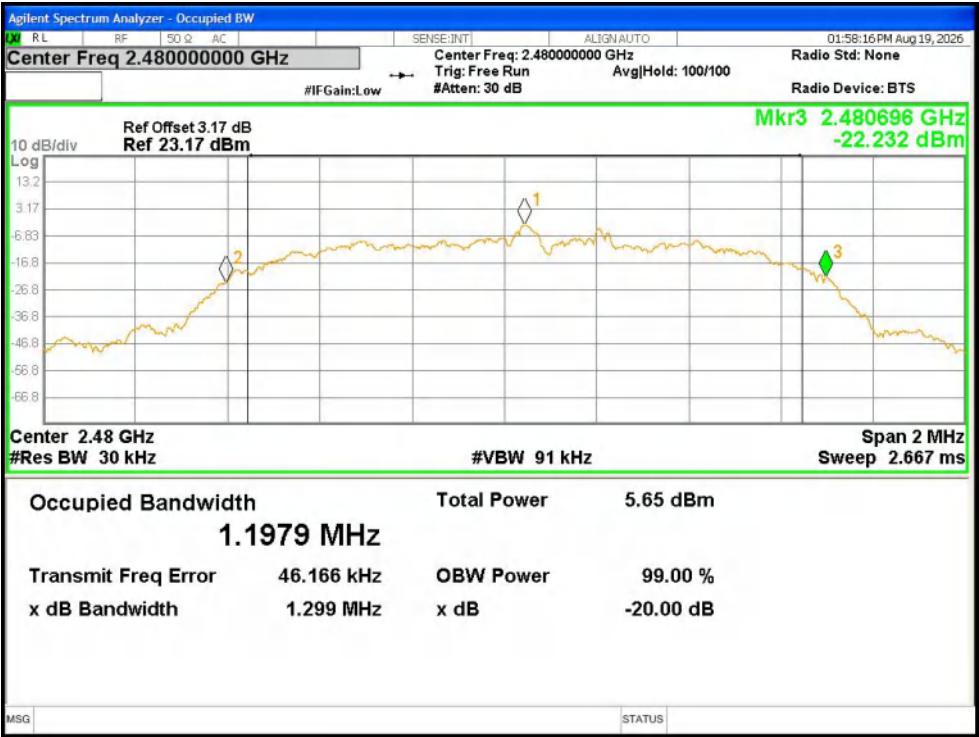
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



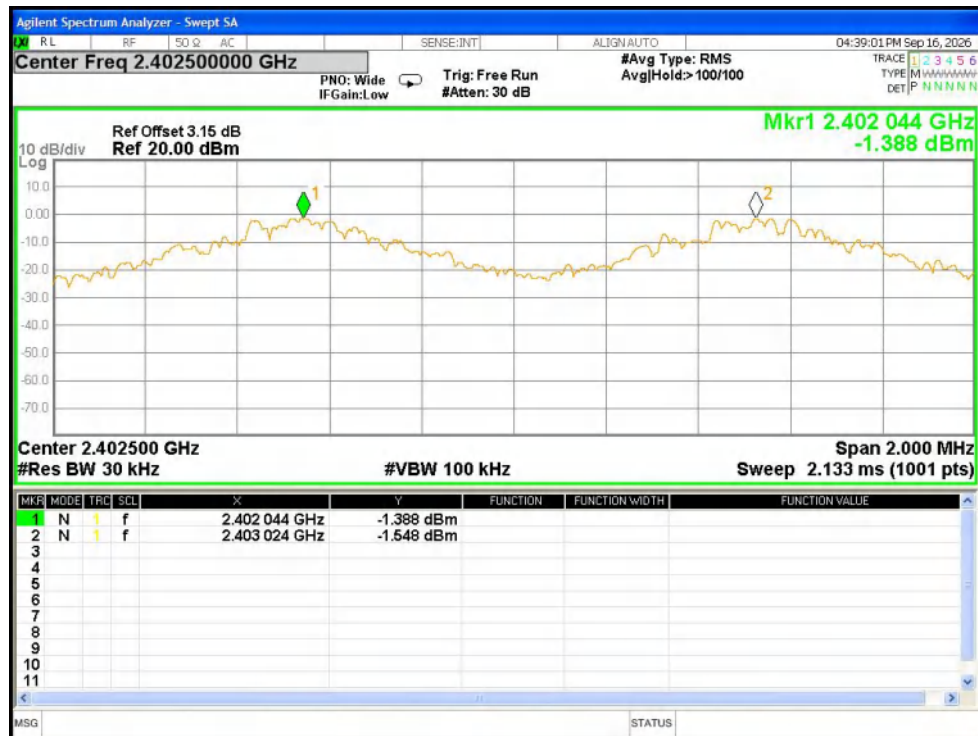
-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



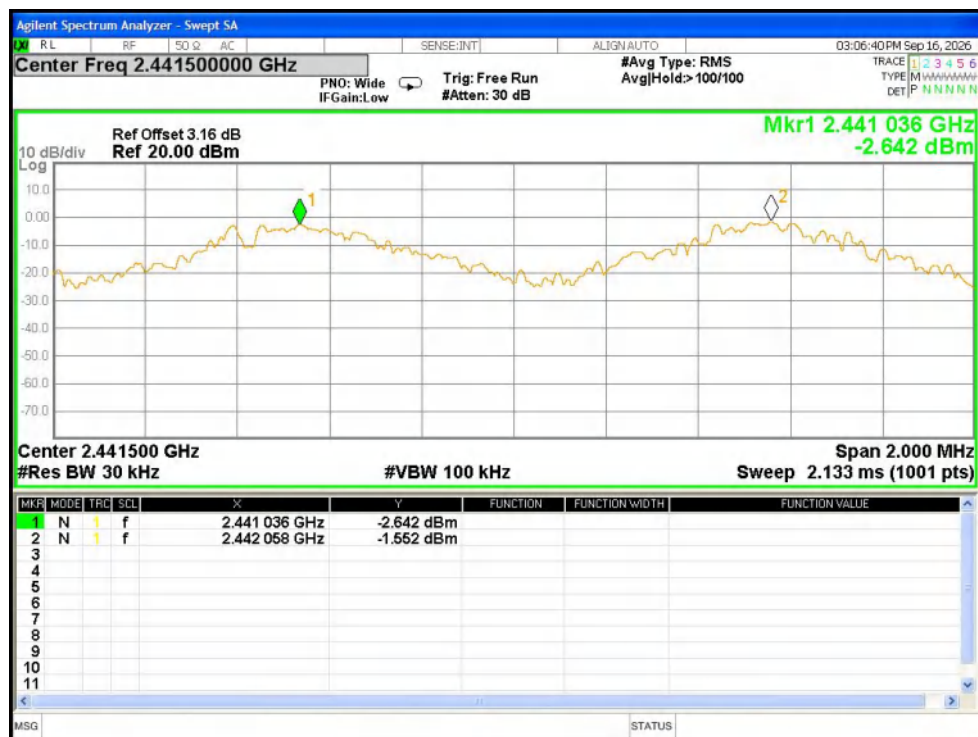
-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

3. Carrier Frequencies Separation

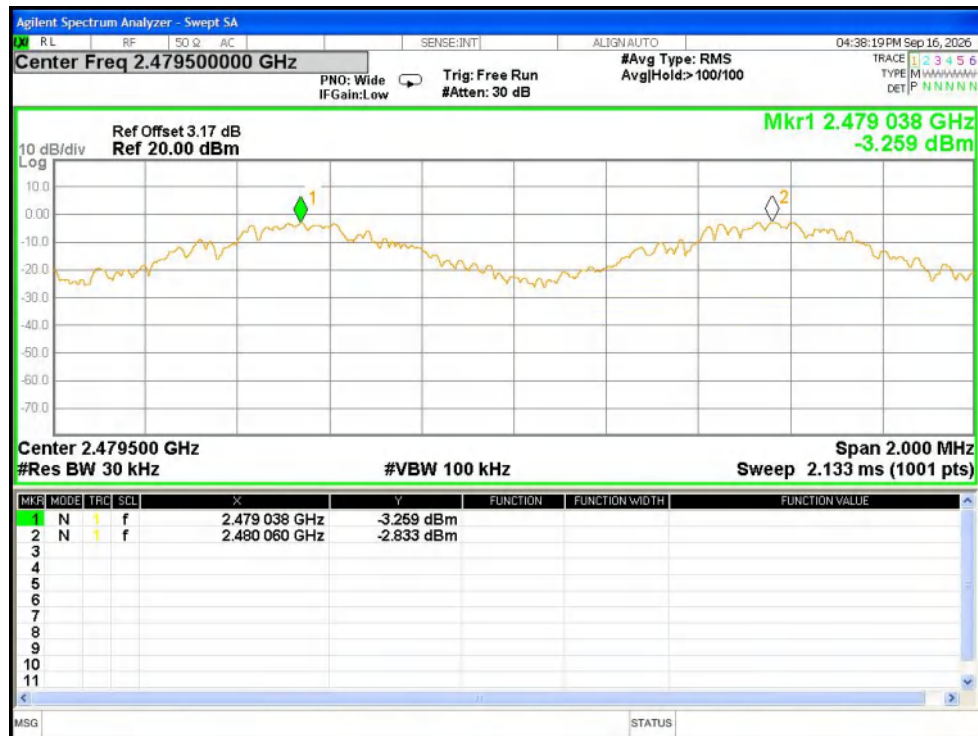
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.044	2403.024	0.98	0.644	Pass
NVNT	1-DH5	Ant1	2441.036	2442.058	1.022	0.647	Pass
NVNT	1-DH5	Ant1	2479.038	2480.06	1.022	0.637	Pass
NVNT	2-DH5	Ant1	2401.91	2402.886	0.976	0.857	Pass
NVNT	2-DH5	Ant1	2440.89	2441.88	0.99	0.867	Pass
NVNT	2-DH5	Ant1	2479.022	2480.042	1.02	0.855	Pass
NVNT	3-DH5	Ant1	2402.034	2403.032	0.998	0.867	Pass
NVNT	3-DH5	Ant1	2441.052	2442.024	0.972	0.867	Pass
NVNT	3-DH5	Ant1	2479.04	2480.042	1.002	0.867	Pass



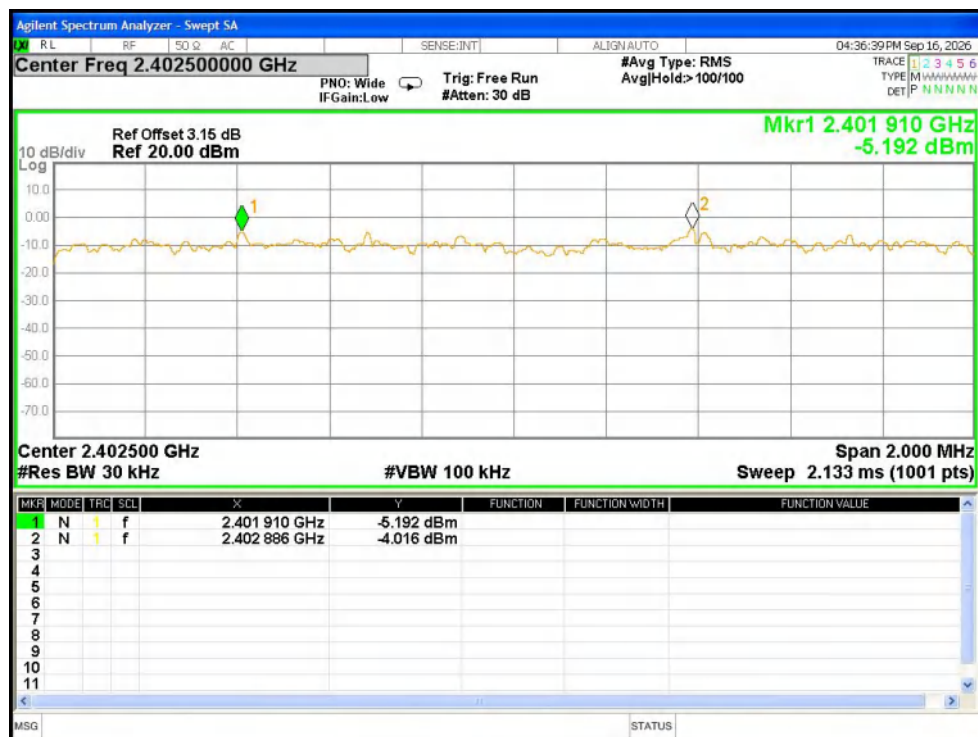
CFS NVNT 1-DH5 2402MHz Ant1



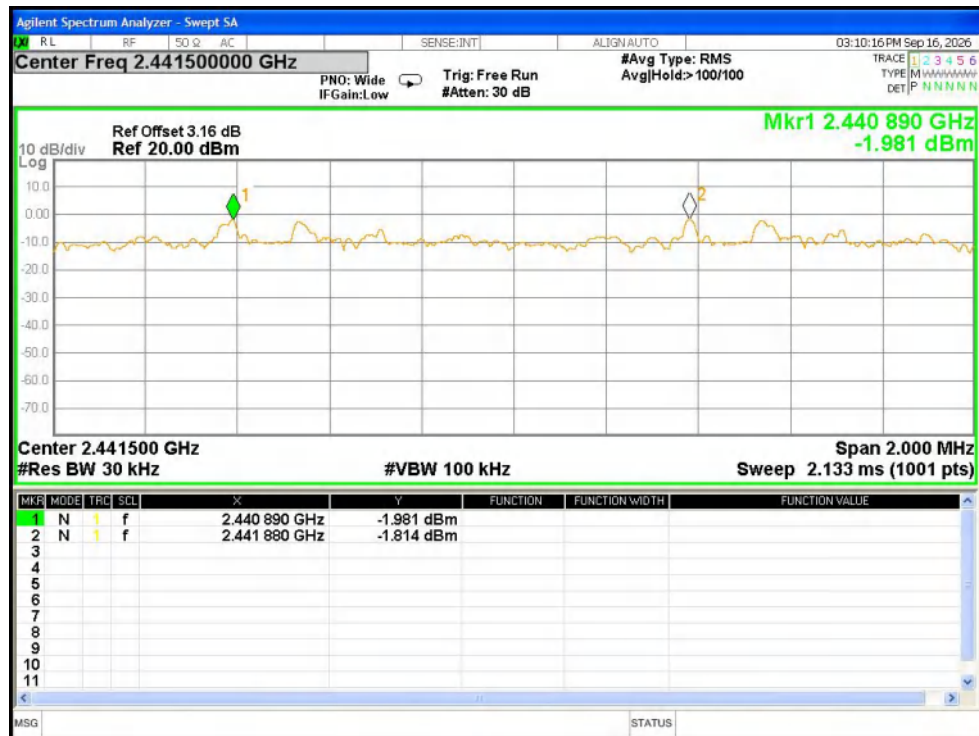
CFS NVNT 1-DH5 2441MHz Ant1



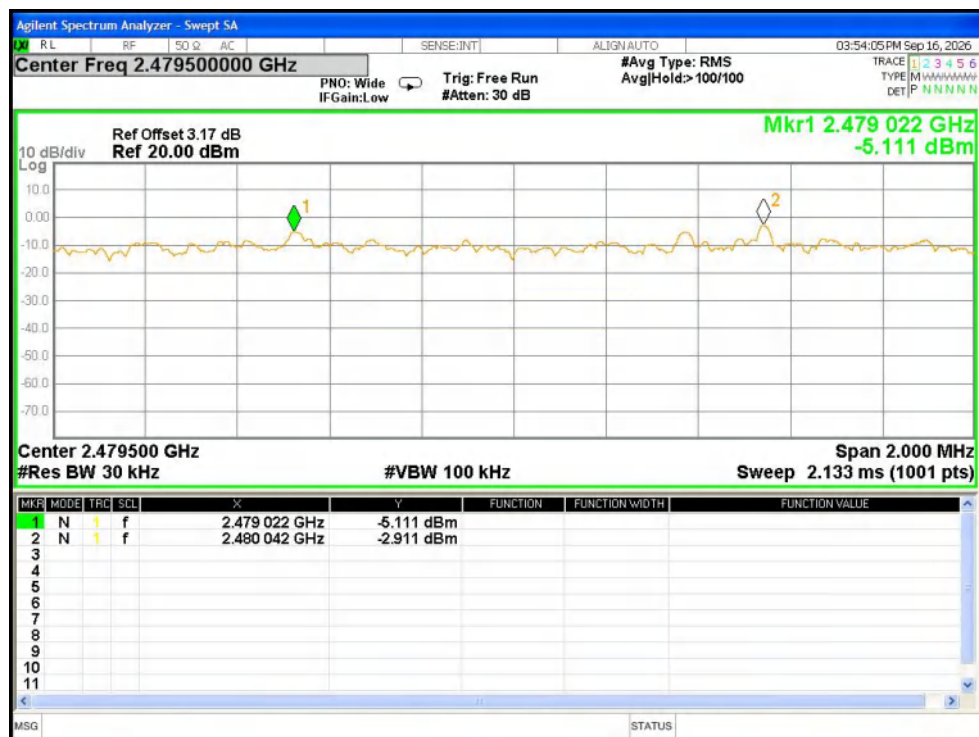
CFS NVNT 1-DH5 2480MHz Ant1



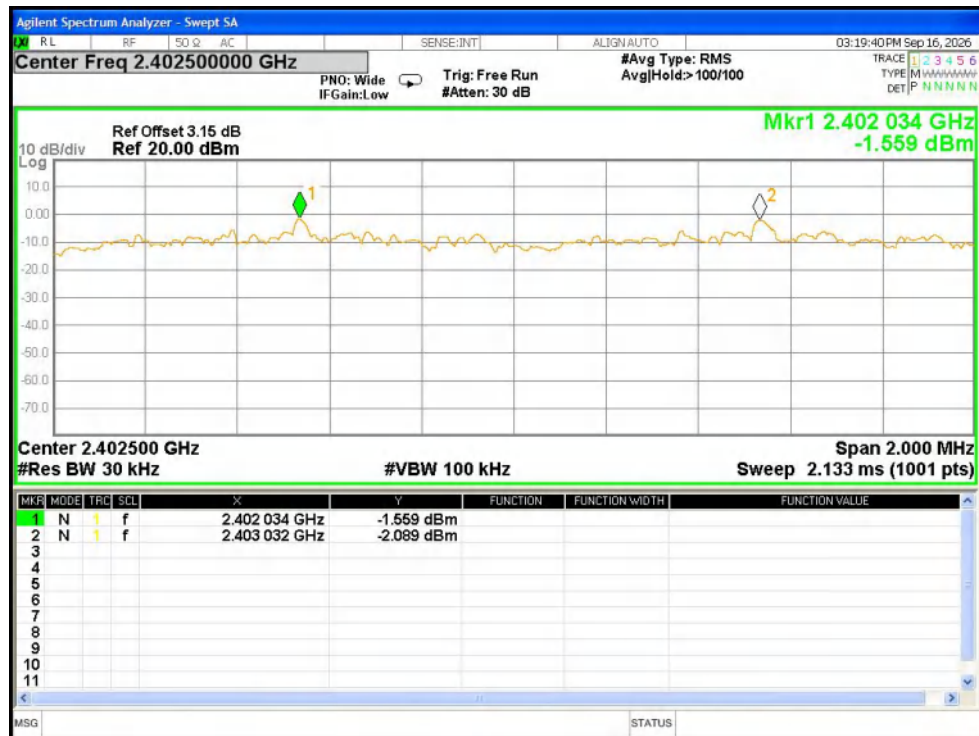
CFS NVNT 2-DH5 2402MHz Ant1



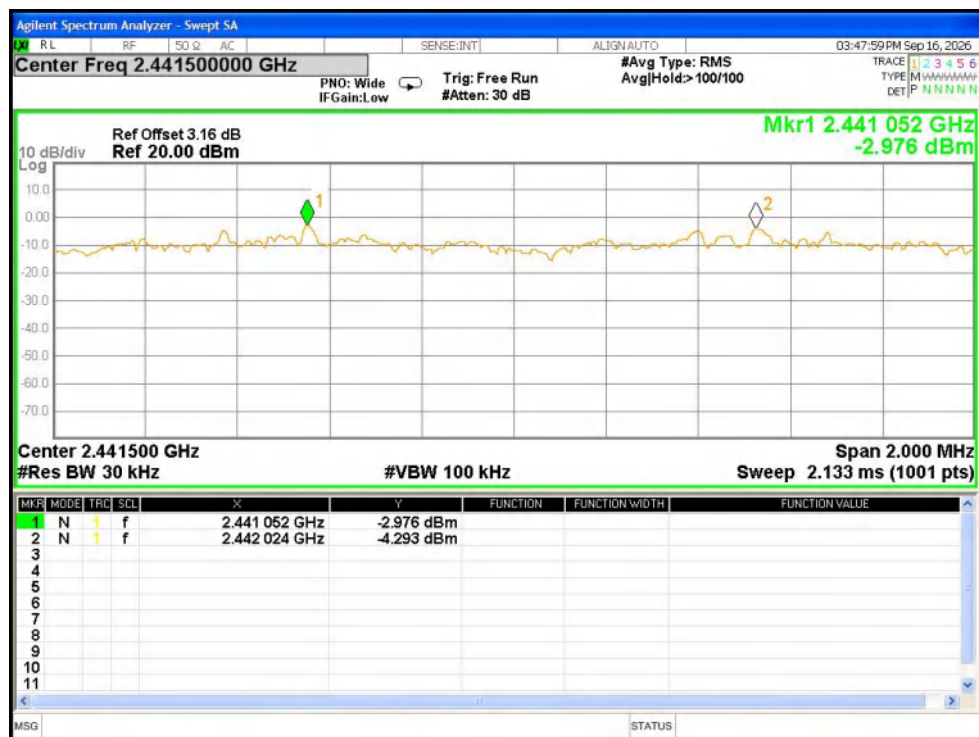
CFS NVNT 2-DH5 2441MHz Ant1



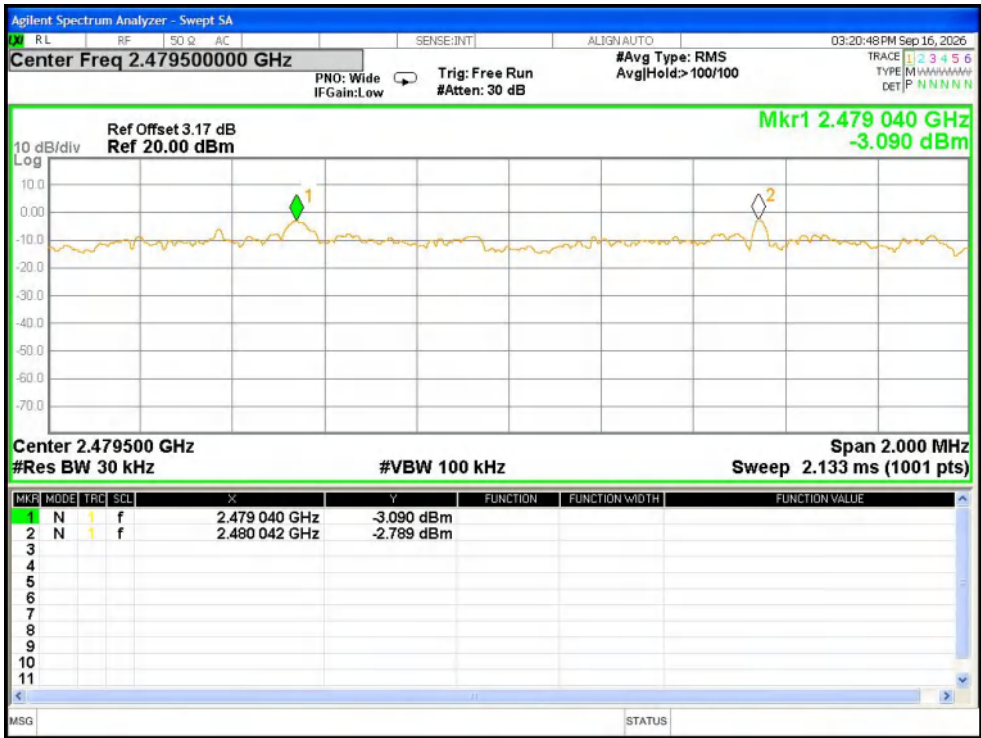
CFS NVNT 2-DH5 2480MHz Ant1



CFS NVNT 3-DH5 2402MHz Ant1



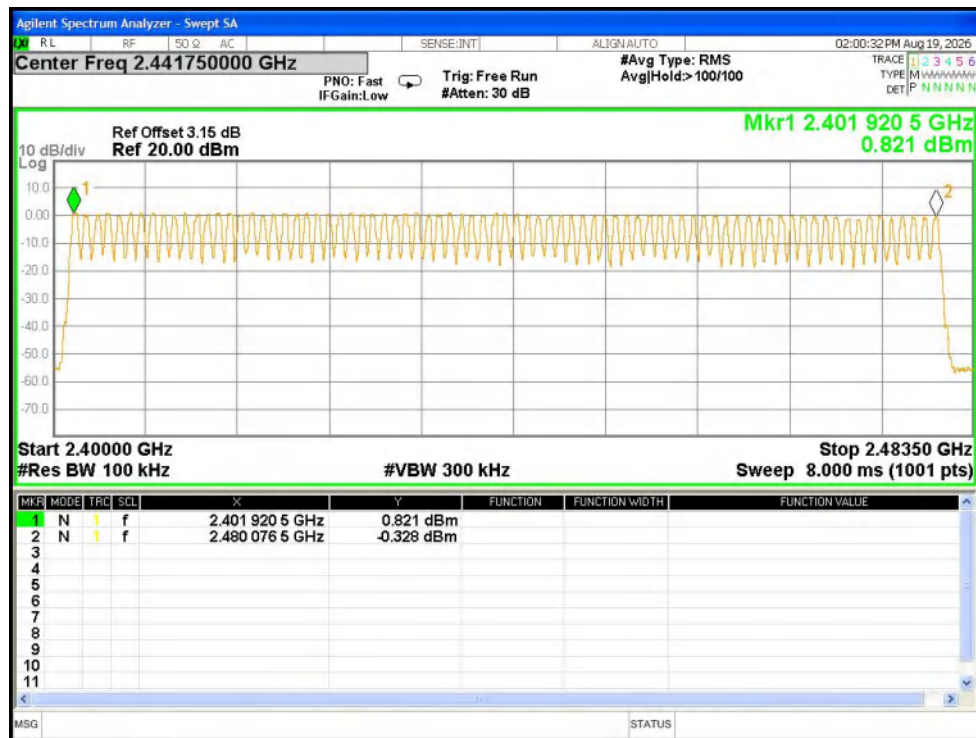
CFS NVNT 3-DH5 2441MHz Ant1



CFS NVNT 3-DH5 2480MHz Ant1

4. Number of Hopping Channel

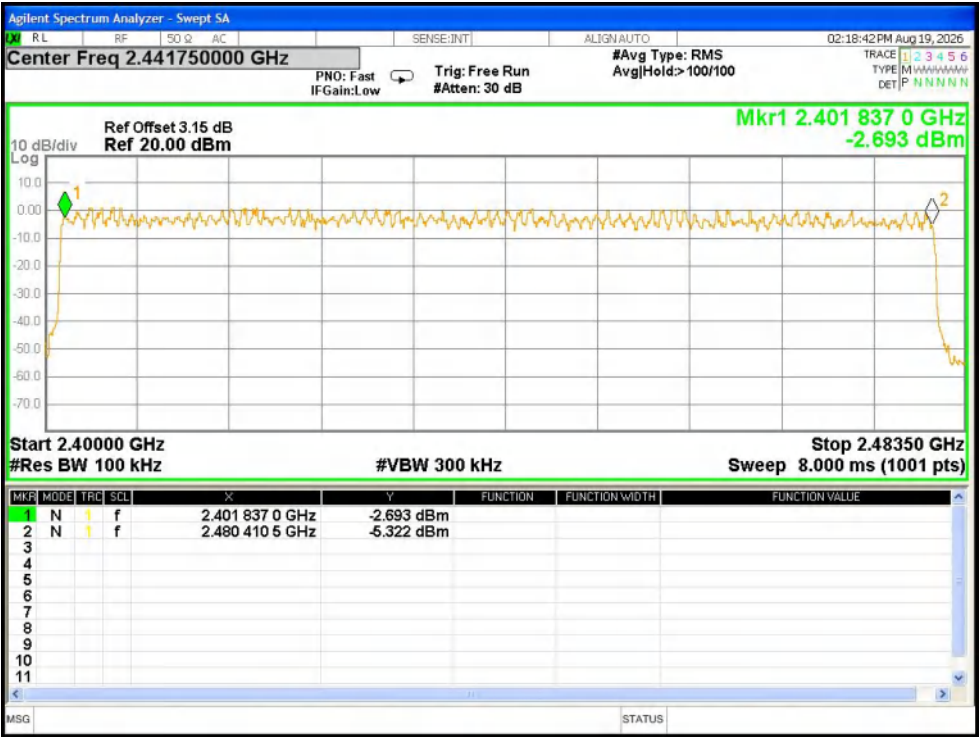
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



Hopping No. NVNT 1-DH5 2402MHz Ant1



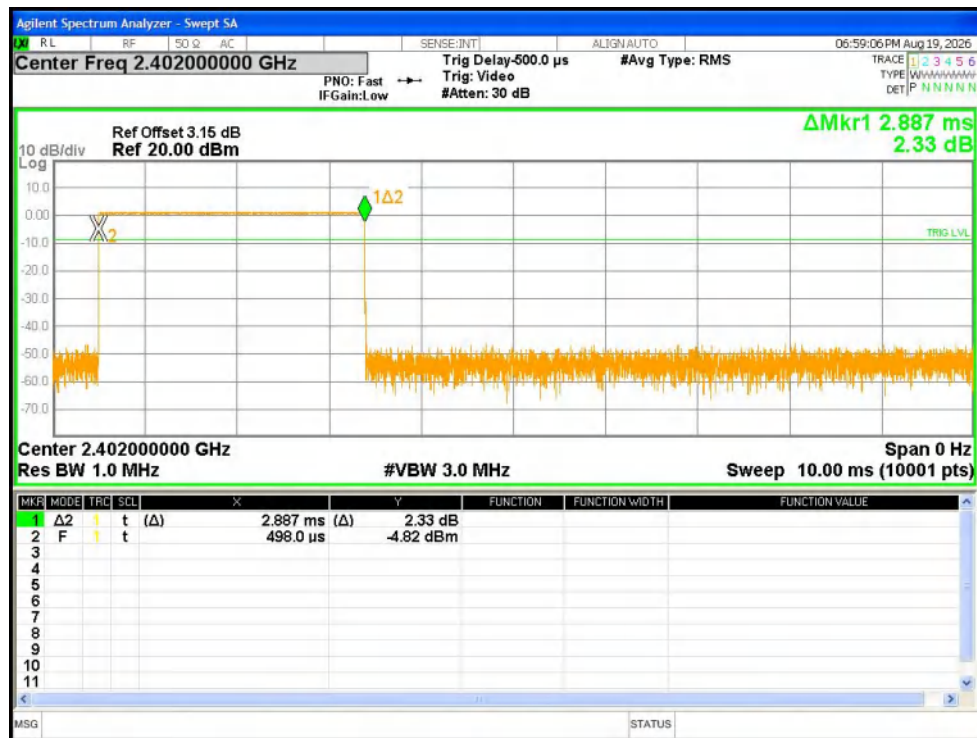
Hopping No. NVNT 2-DH5 2402MHz Ant1



Hopping No. NVNT 3-DH5 2402MHz Ant1

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	2.887	285.813	99	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.887	288.7	100	31600	400	Pass
NVNT	1-DH5	2480	Ant1	2.887	317.57	110	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.892	315.228	109	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.892	271.848	94	31600	400	Pass
NVNT	2-DH5	2480	Ant1	2.891	300.664	104	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.894	269.142	93	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.894	347.28	120	31600	400	Pass
NVNT	3-DH5	2480	Ant1	2.894	280.718	97	31600	400	Pass



Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



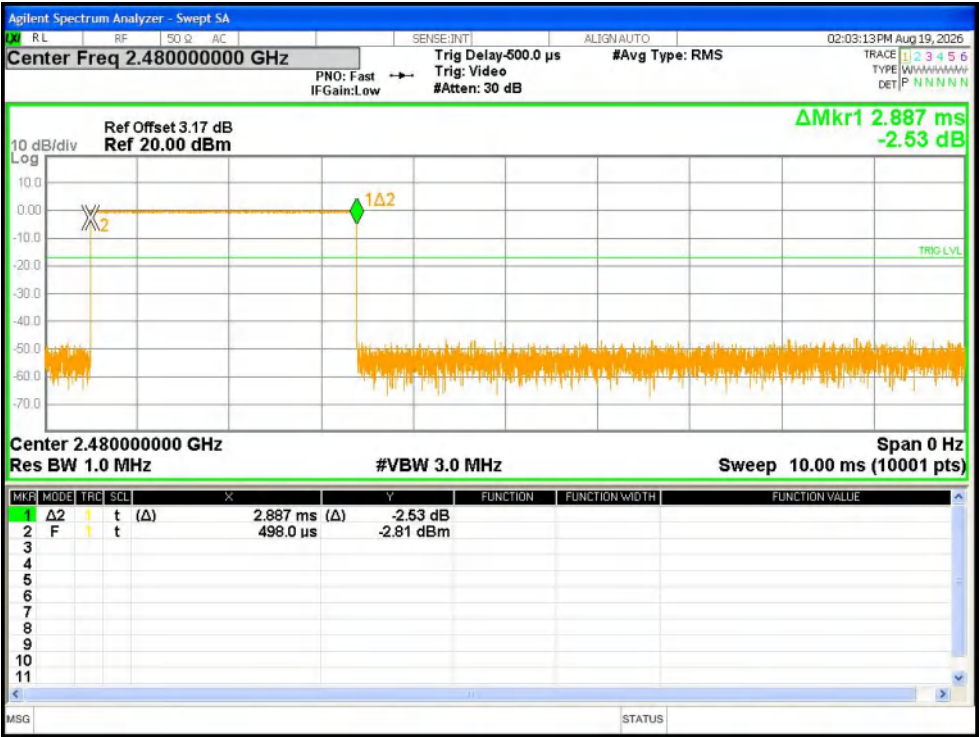
Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



Dwell NVNT 1-DH5 2441MHz Ant1 One Burst



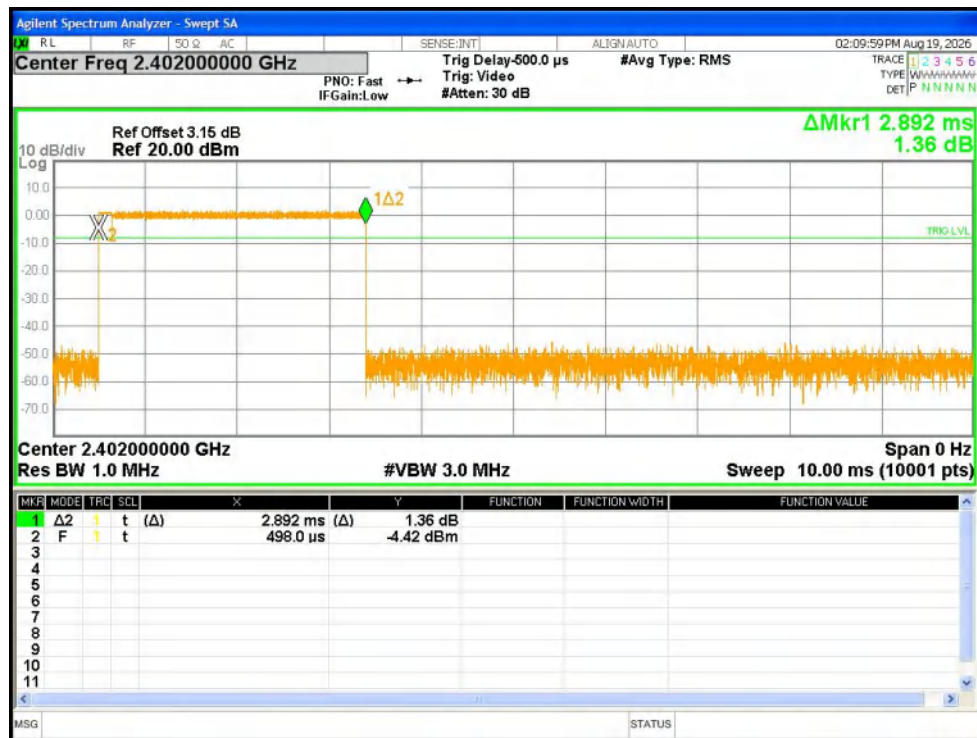
Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



Dwell NVNT 1-DH5 2480MHz Ant1 One Burst



Dwell NVNT 1-DH5 2480MHz Ant1 Accumulated



Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



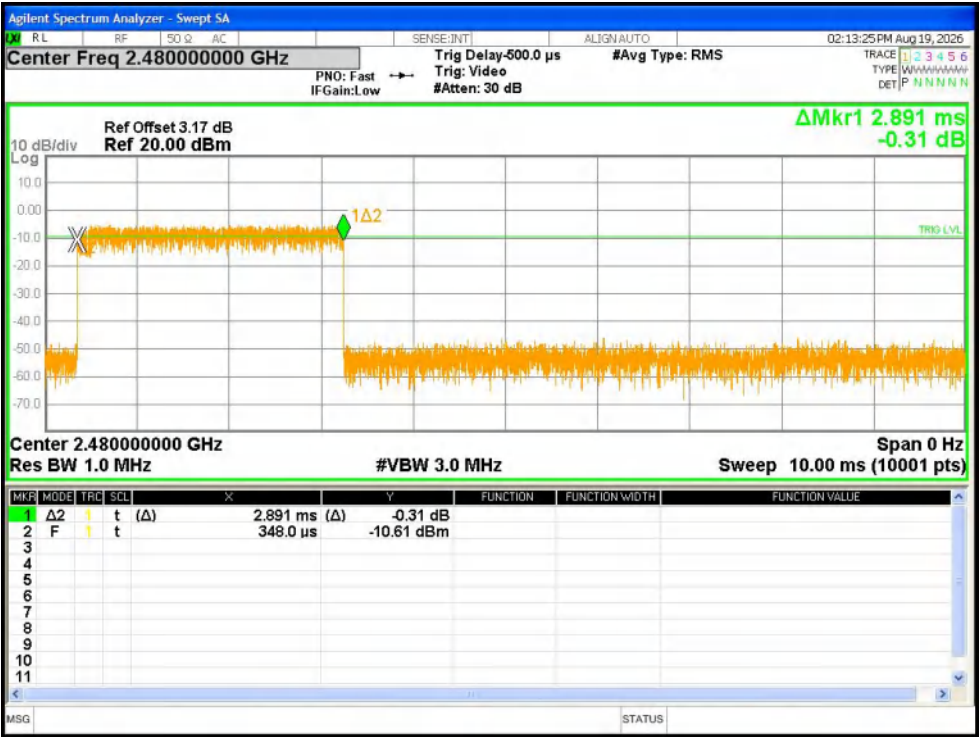
Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



Dwell NVNT 2-DH5 2441MHz Ant1 One Burst



Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated



Dwell NVNT 2-DH5 2480MHz Ant1 One Burst



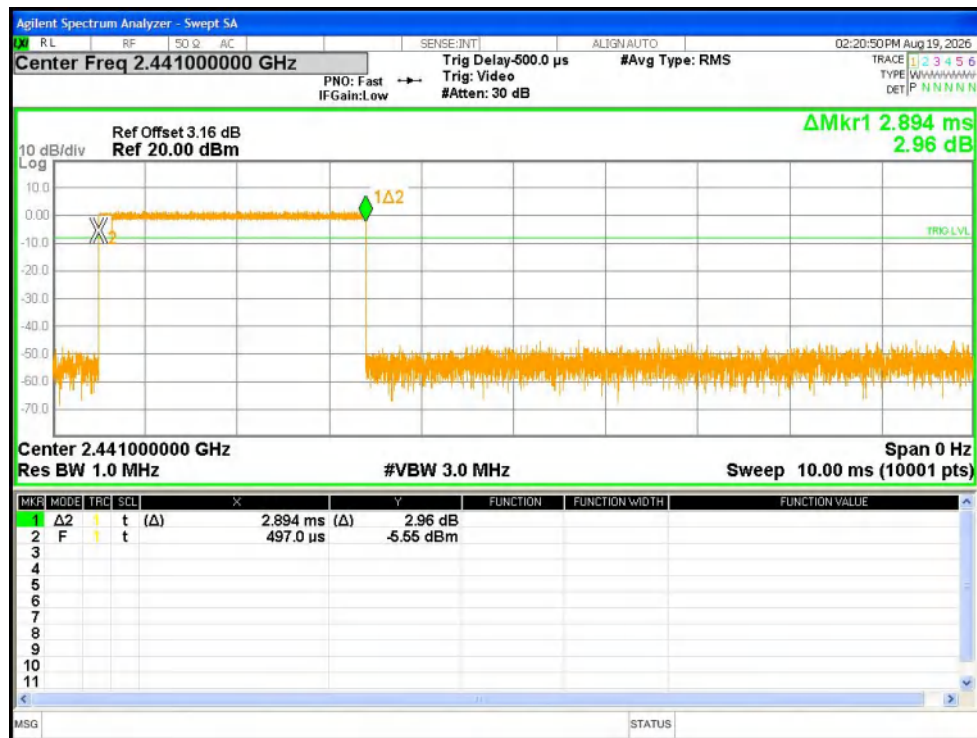
Dwell NVNT 2-DH5 2480MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



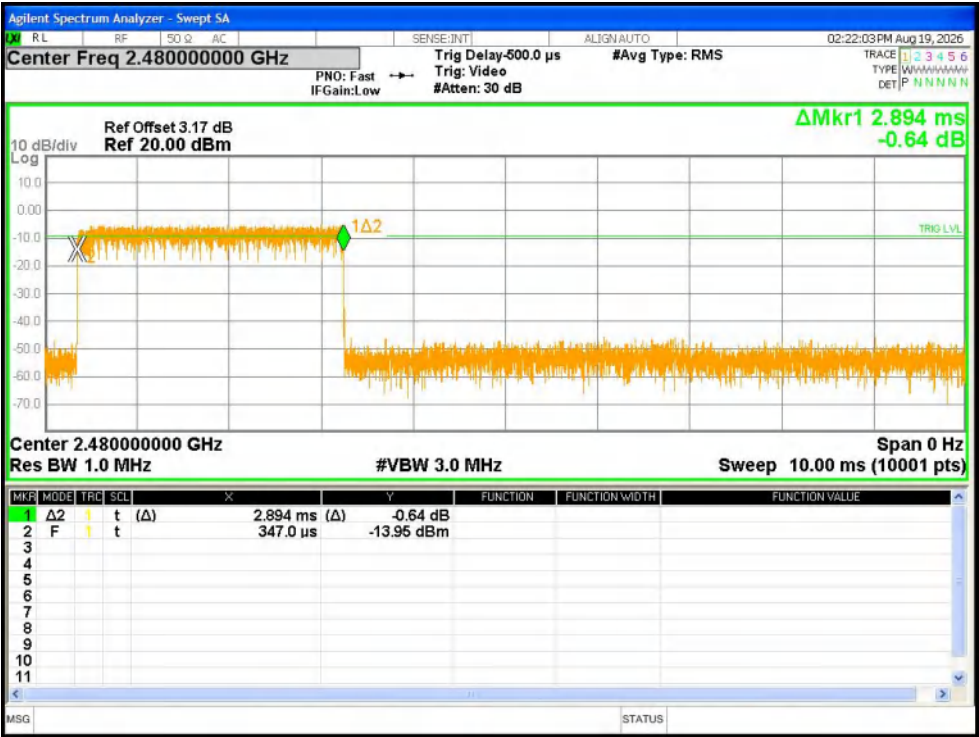
Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2441MHz Ant1 One Burst



Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated



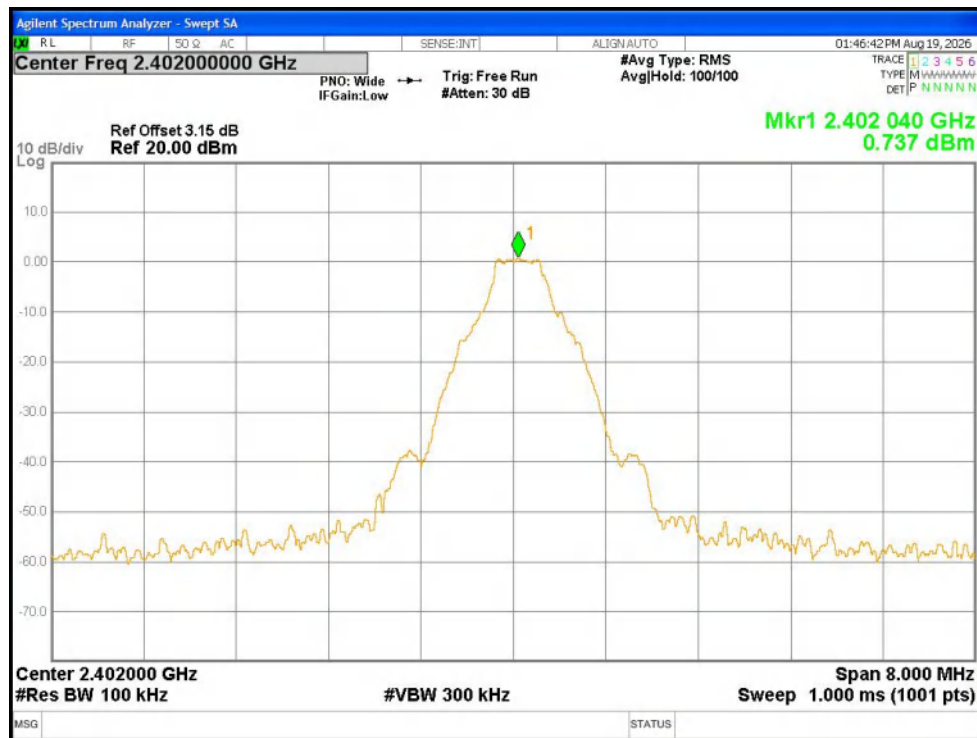
Dwell NVNT 3-DH5 2480MHz Ant1 One Burst



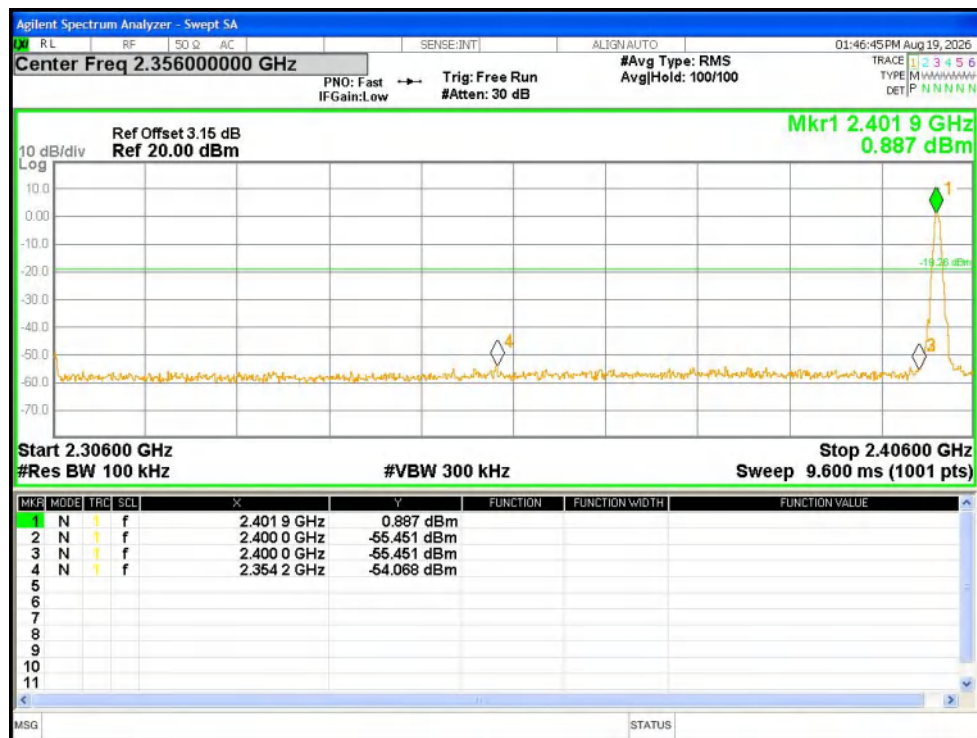
Dwell NVNT 3-DH5 2480MHz Ant1 Accumulated

6. Band Edge

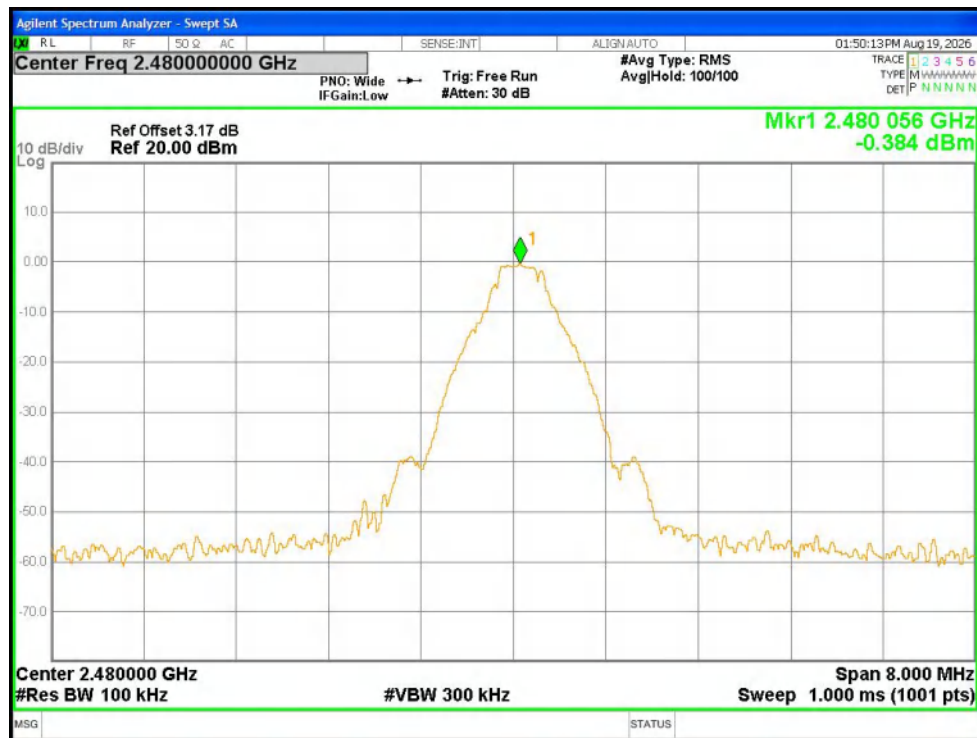
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-54.8	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-54.17	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-55.39	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-53.79	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-53.75	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-54.66	-20	Pass



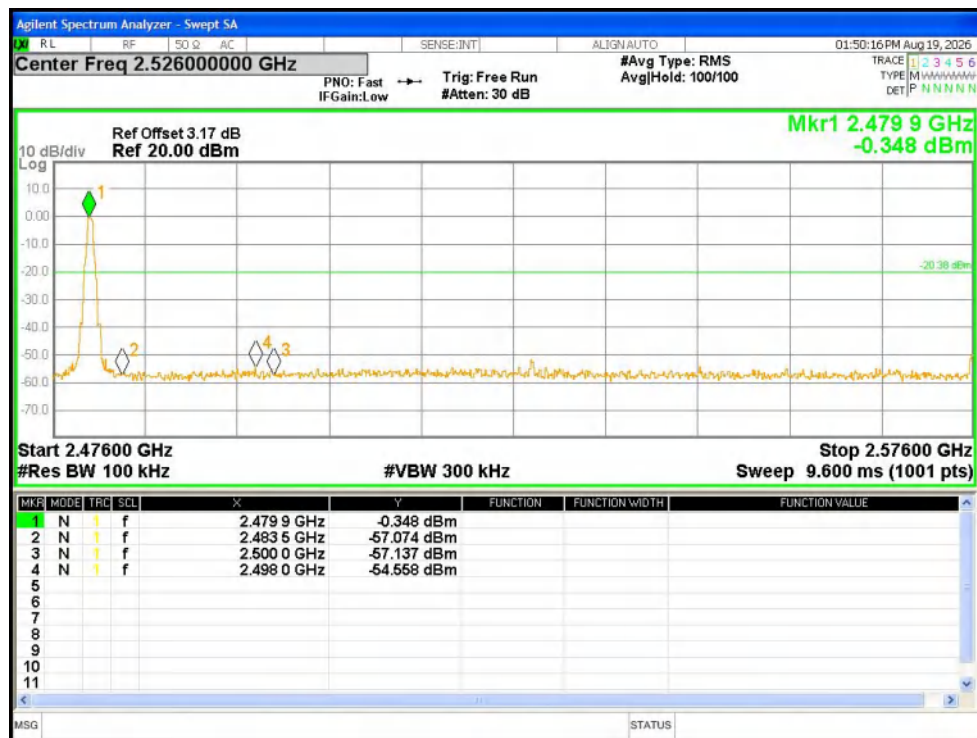
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



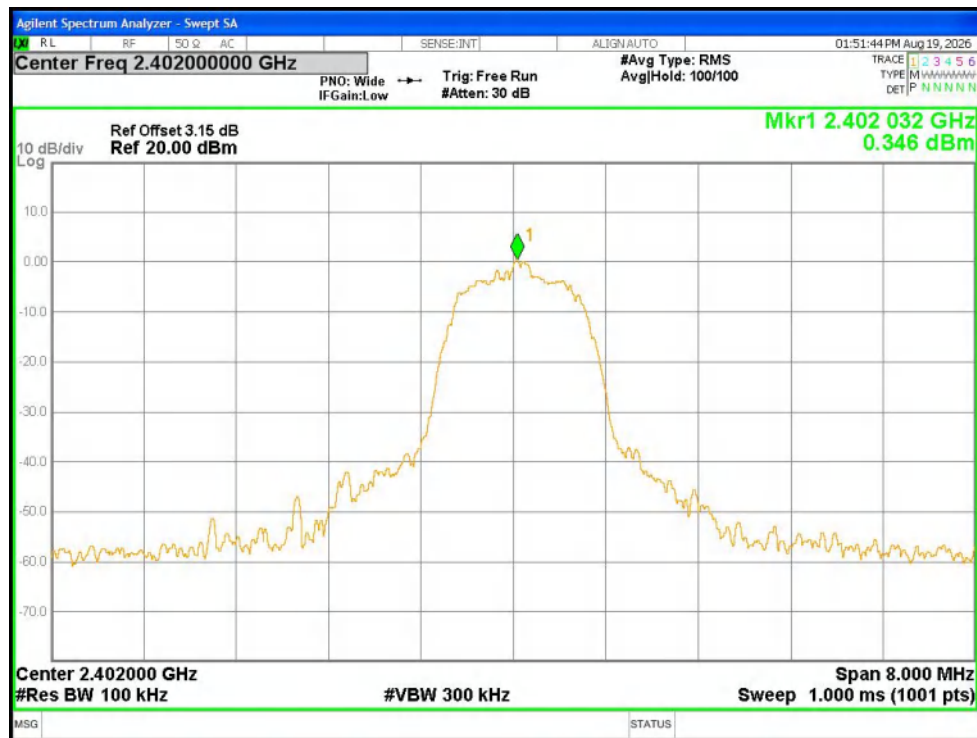
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



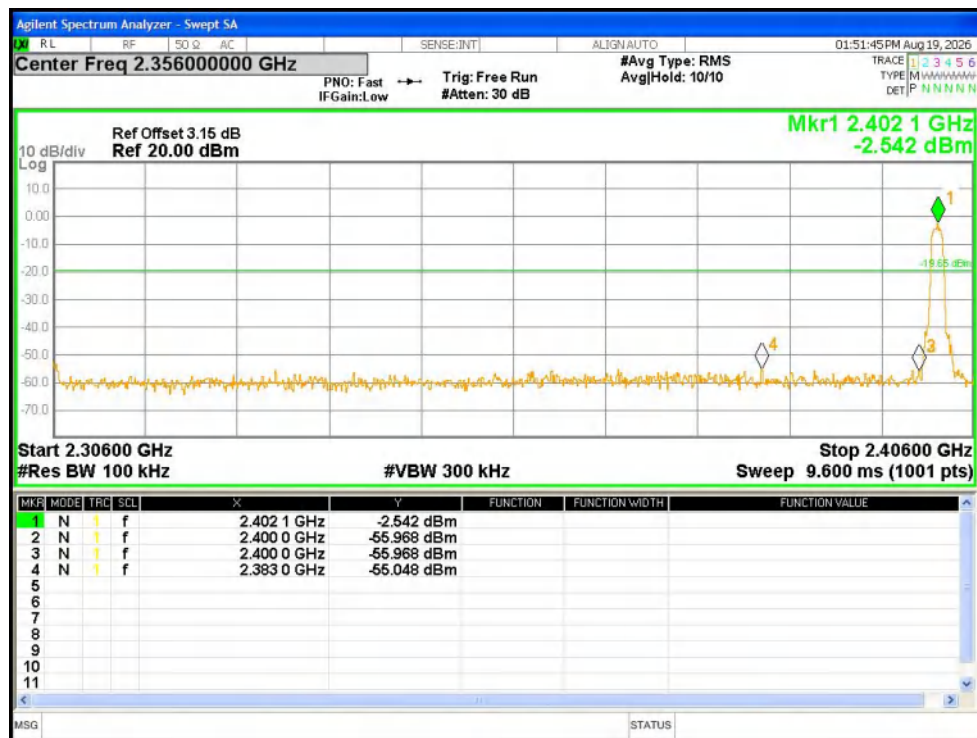
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



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



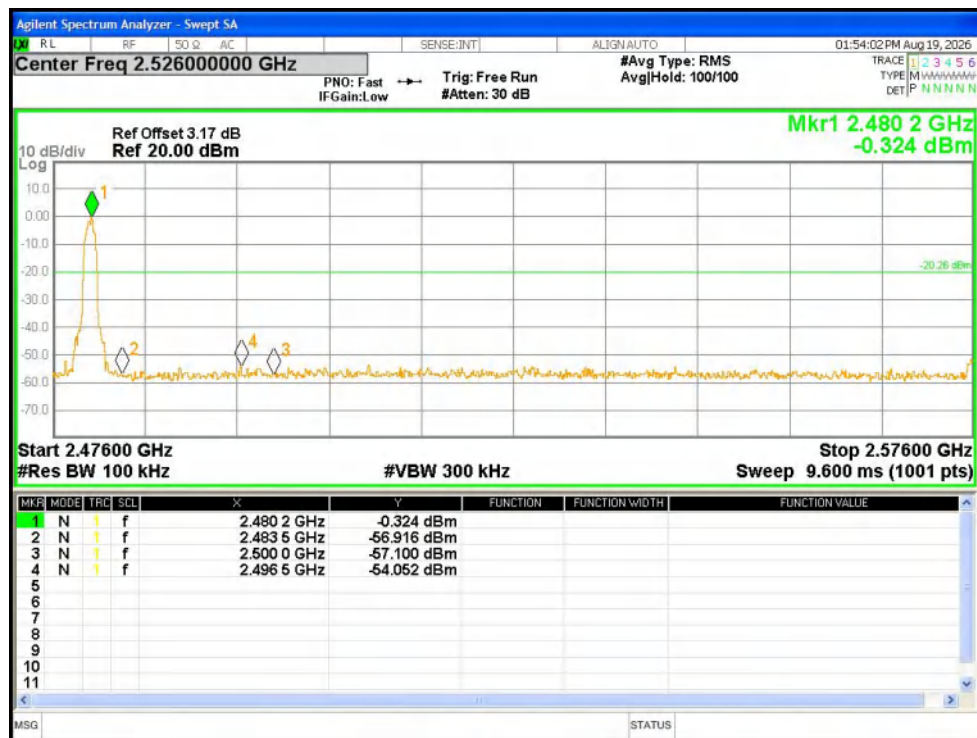
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



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



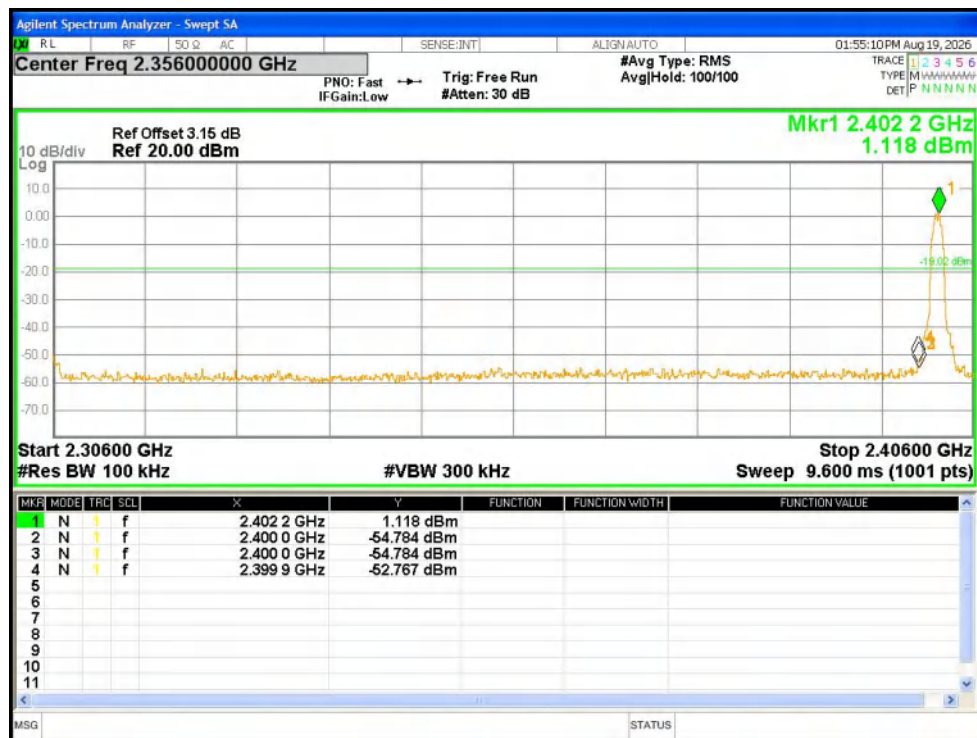
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



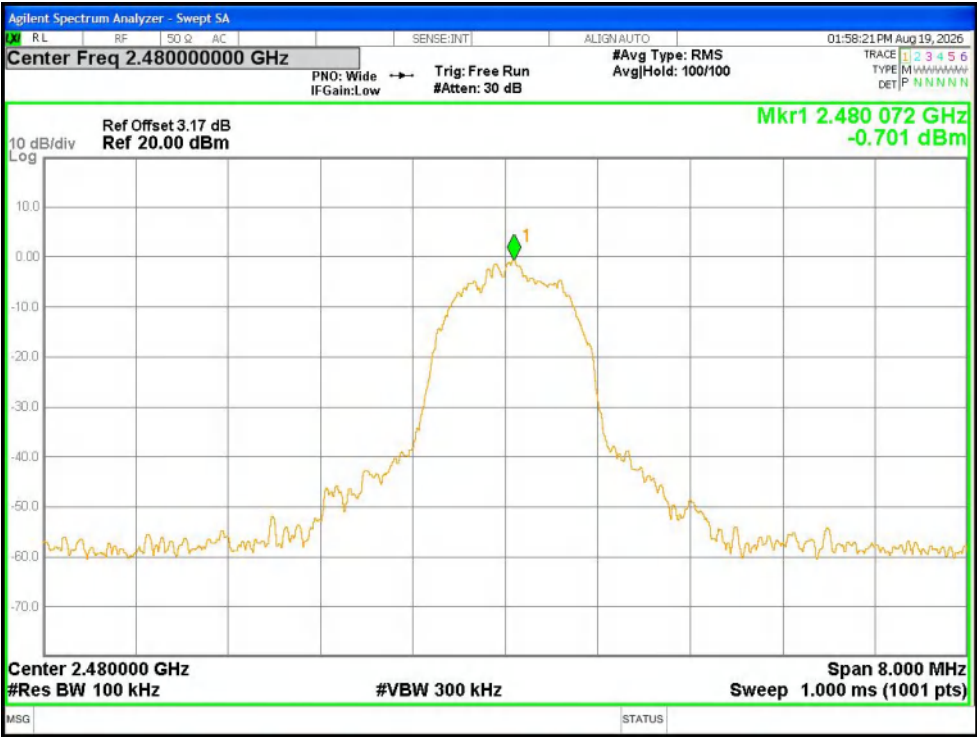
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



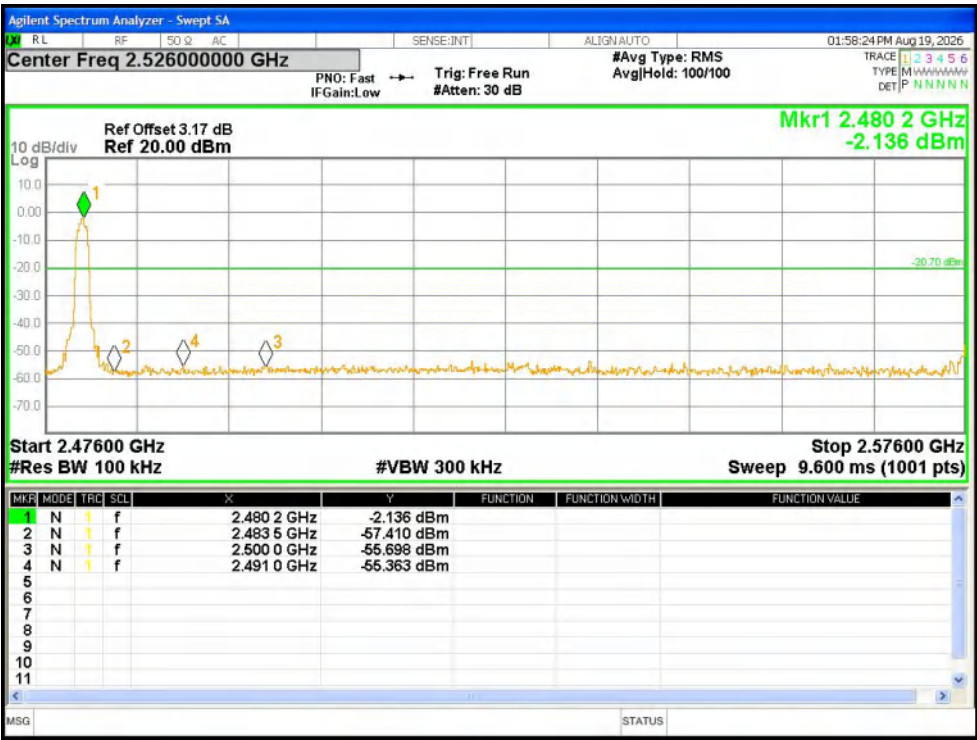
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission



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



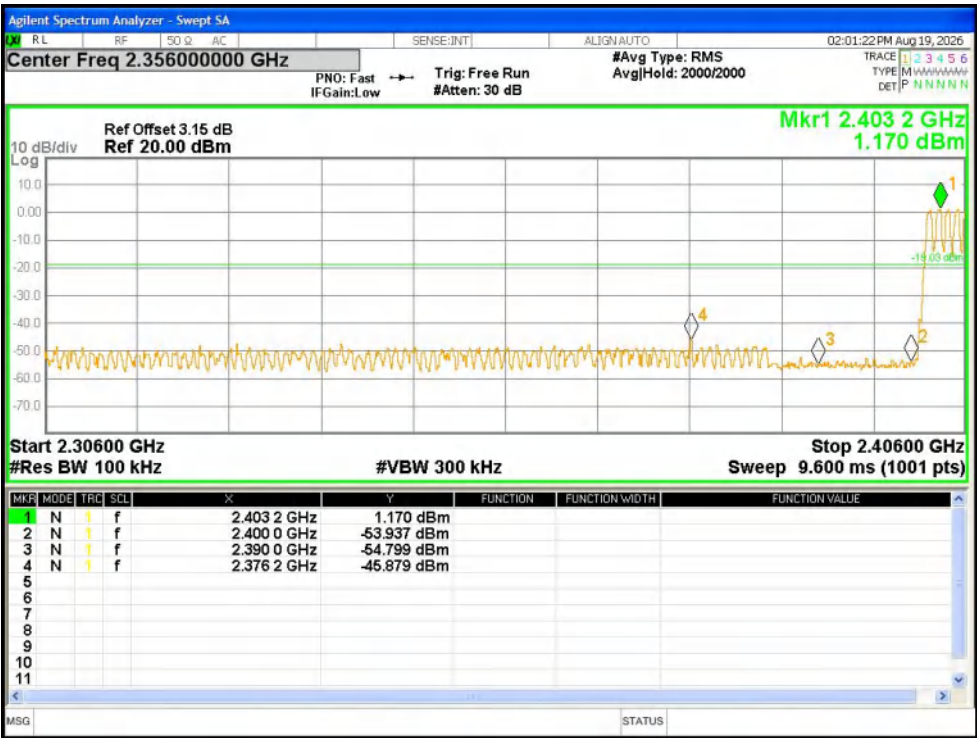
Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission

7. Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-46.84	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-46.71	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-47.83	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-49.1	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-48.73	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-48.8	-20	Pass



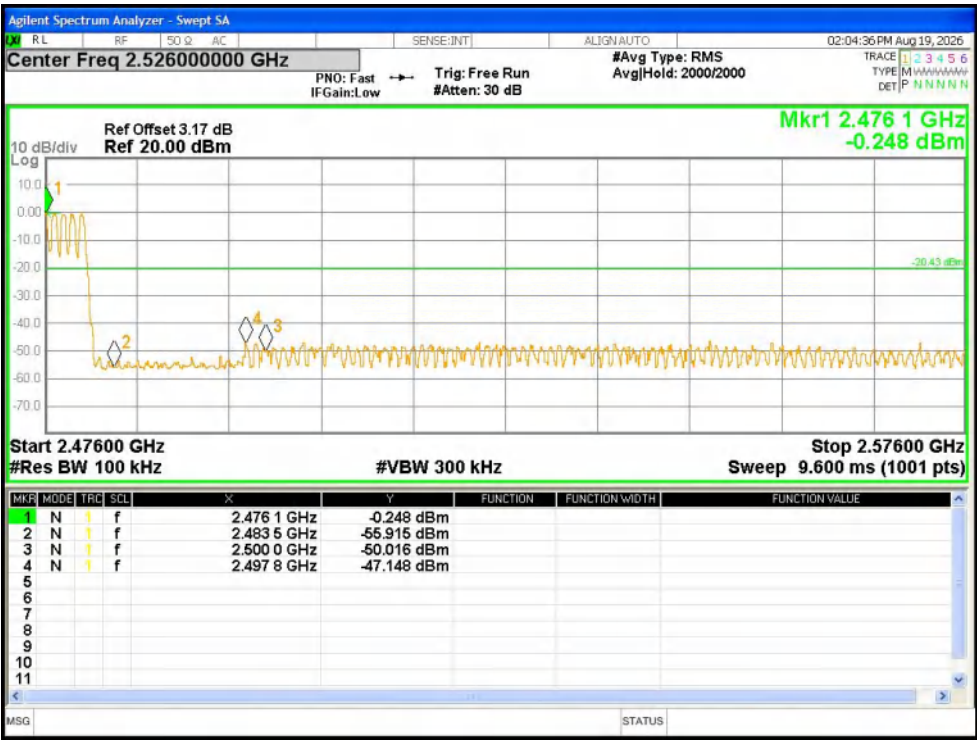
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



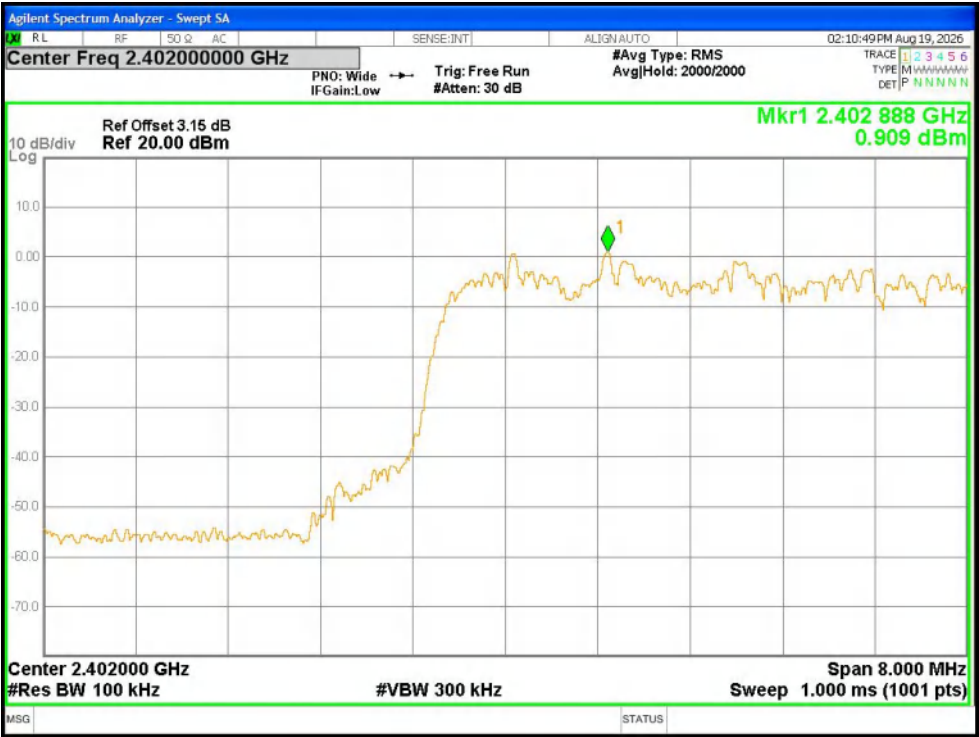
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



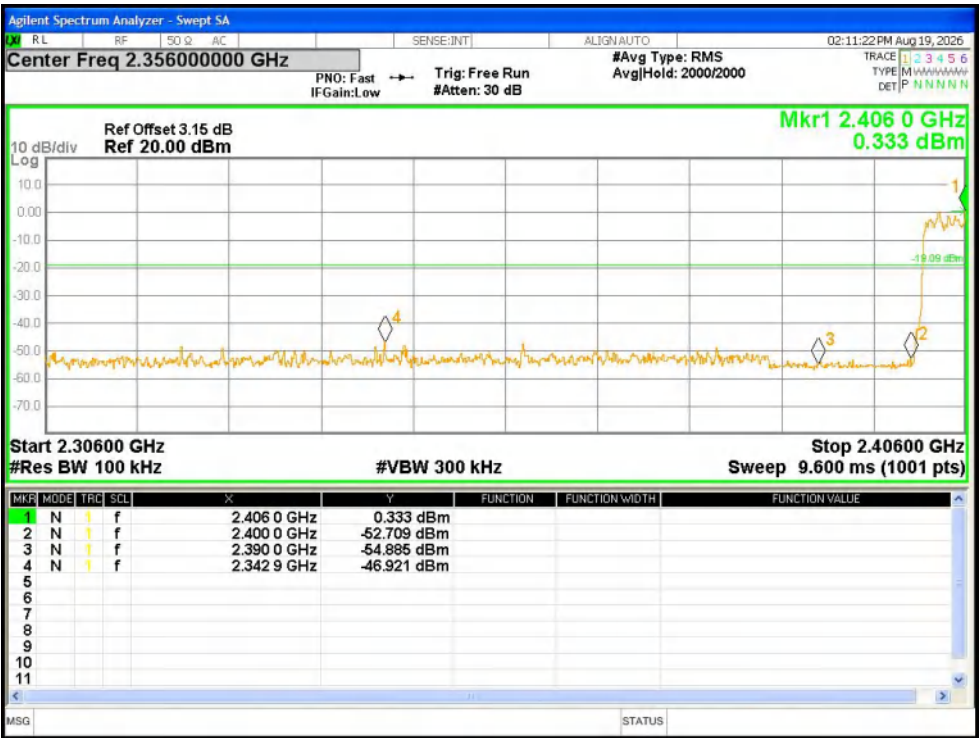
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



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



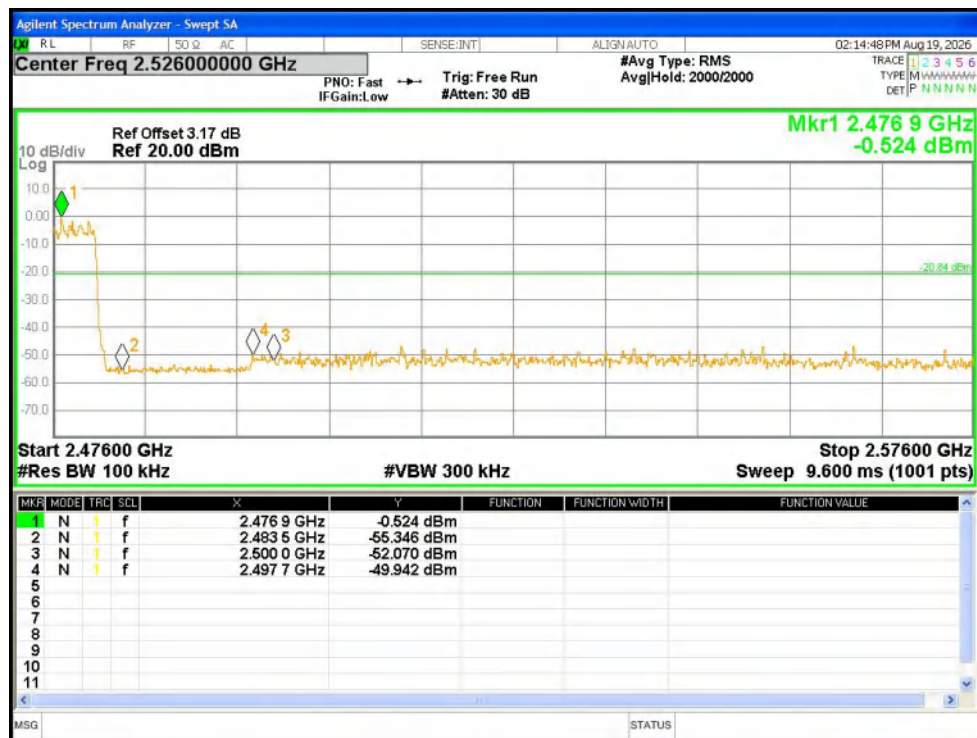
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



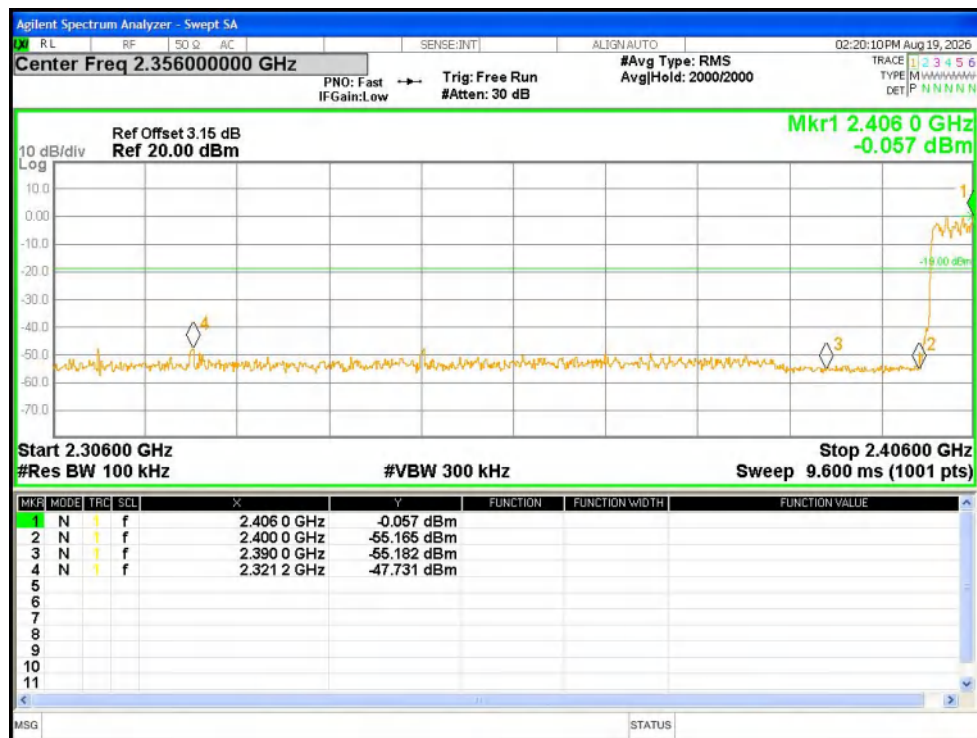
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



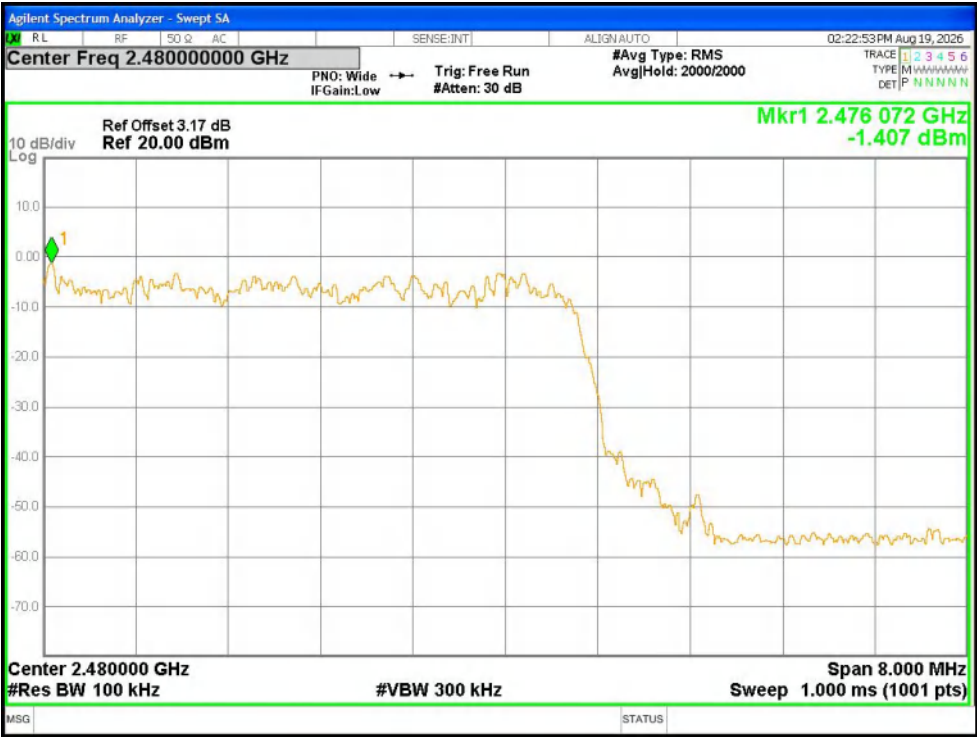
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission



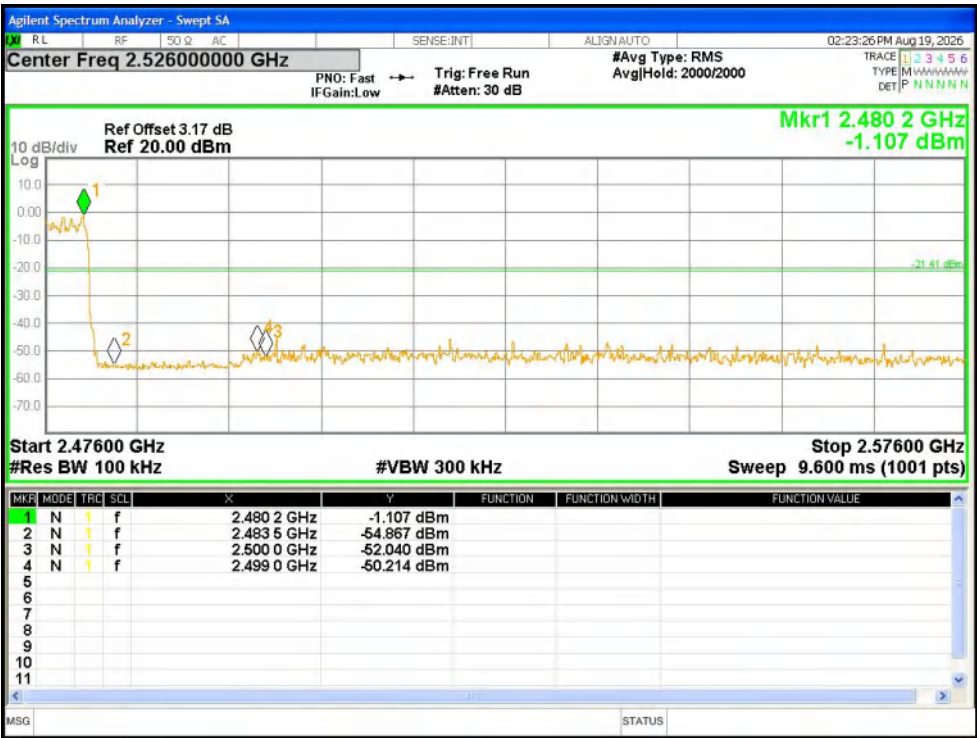
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission



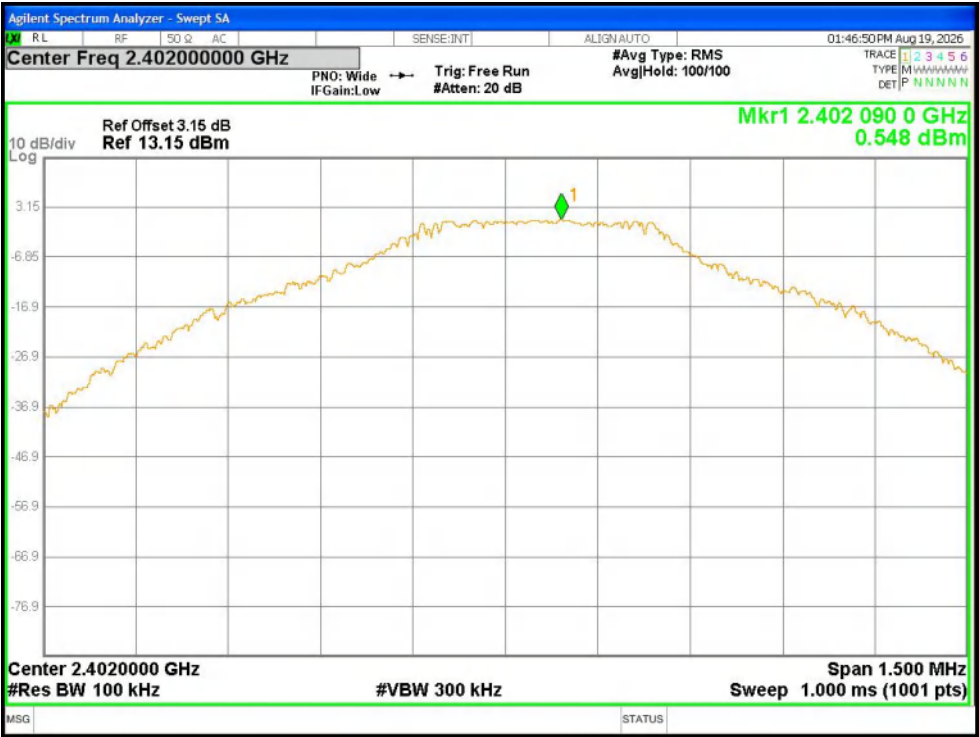
Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



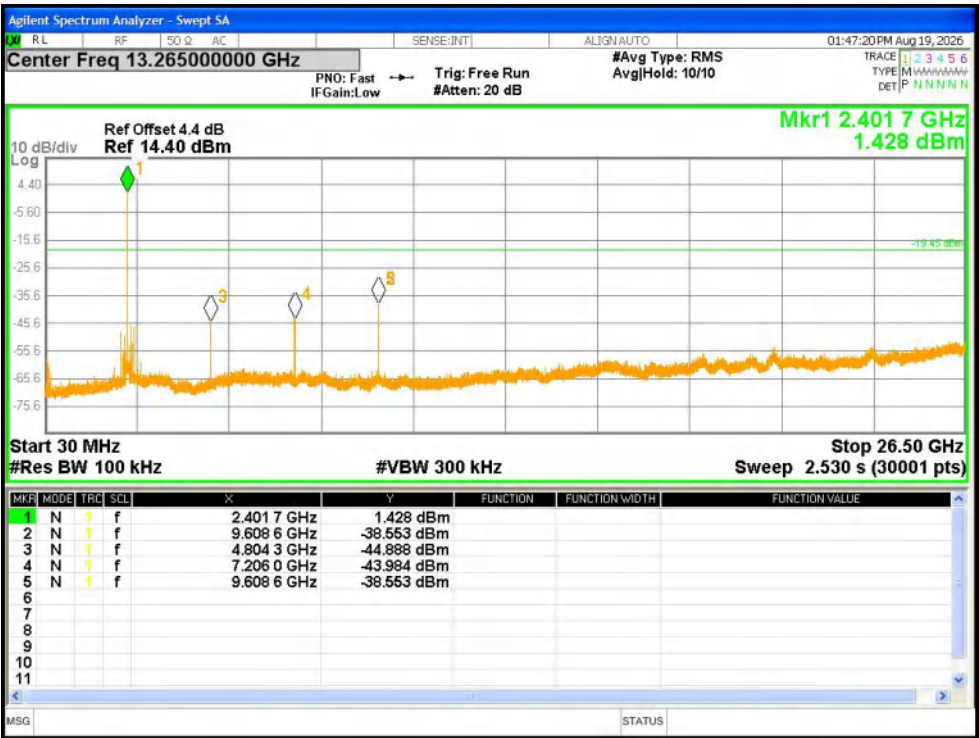
Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission

8. Conducted RF Spurious Emission

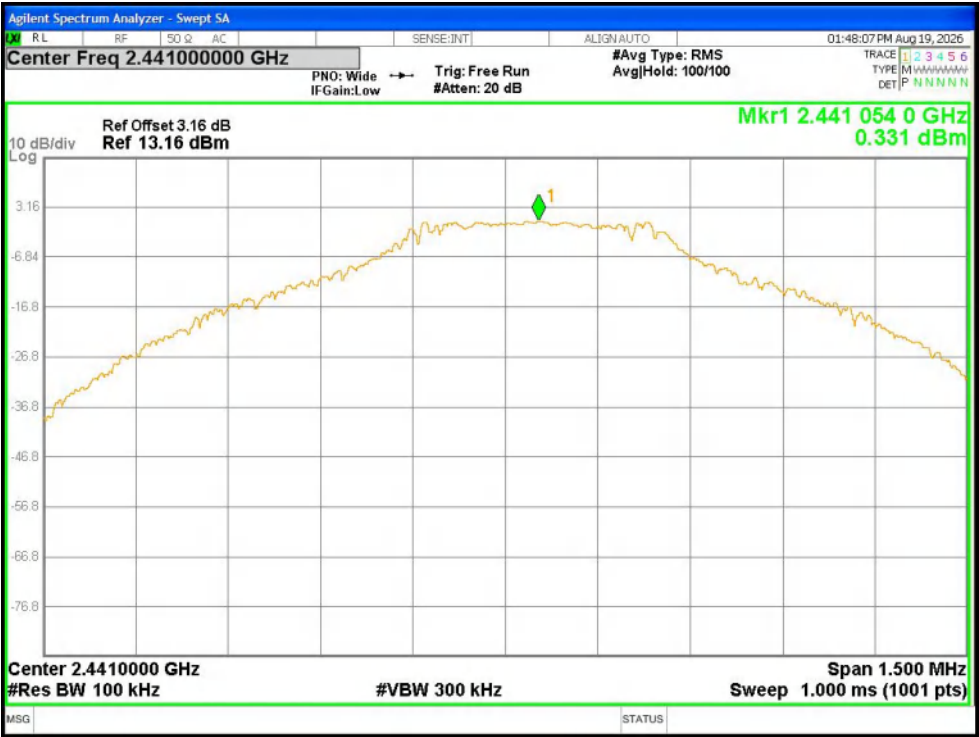
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-39.1	-20	Pass
NVNT	1-DH5	2441	Ant1	-38.97	-20	Pass
NVNT	1-DH5	2480	Ant1	-37.85	-20	Pass
NVNT	2-DH5	2402	Ant1	-39.37	-20	Pass
NVNT	2-DH5	2441	Ant1	-38.96	-20	Pass
NVNT	2-DH5	2480	Ant1	-38.15	-20	Pass
NVNT	3-DH5	2402	Ant1	-39.2	-20	Pass
NVNT	3-DH5	2441	Ant1	-39.04	-20	Pass
NVNT	3-DH5	2480	Ant1	-37.93	-20	Pass



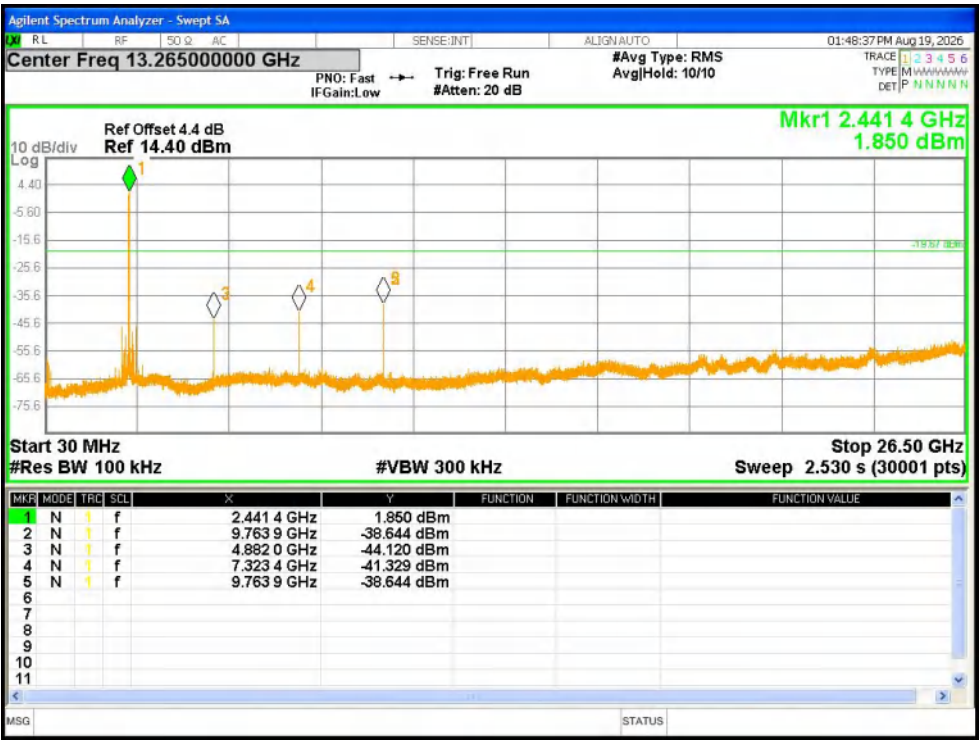
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



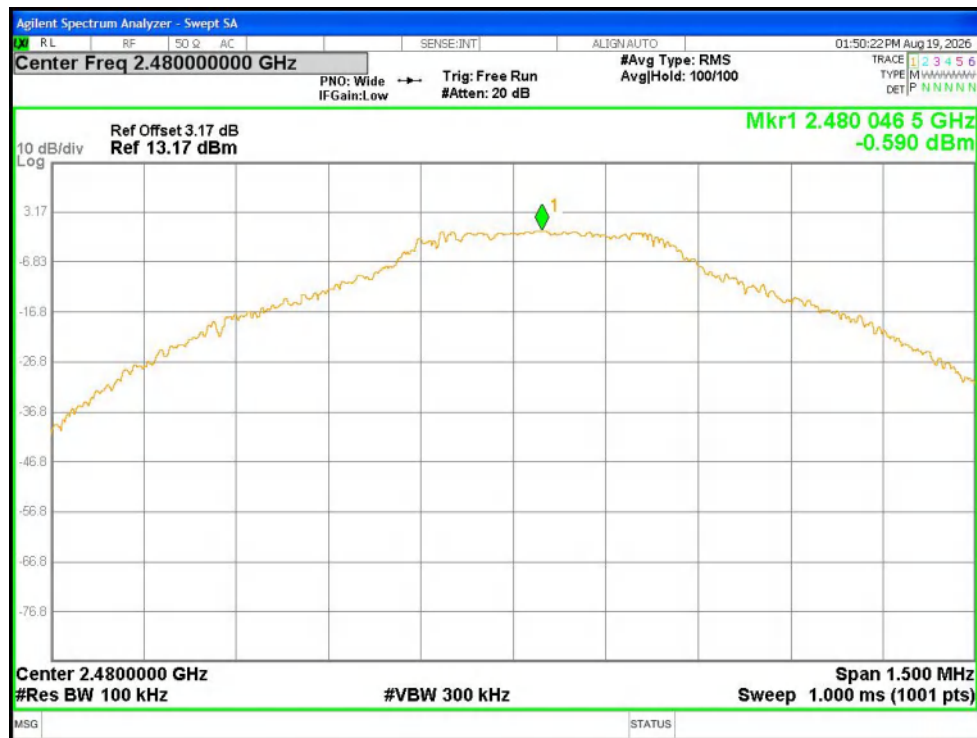
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



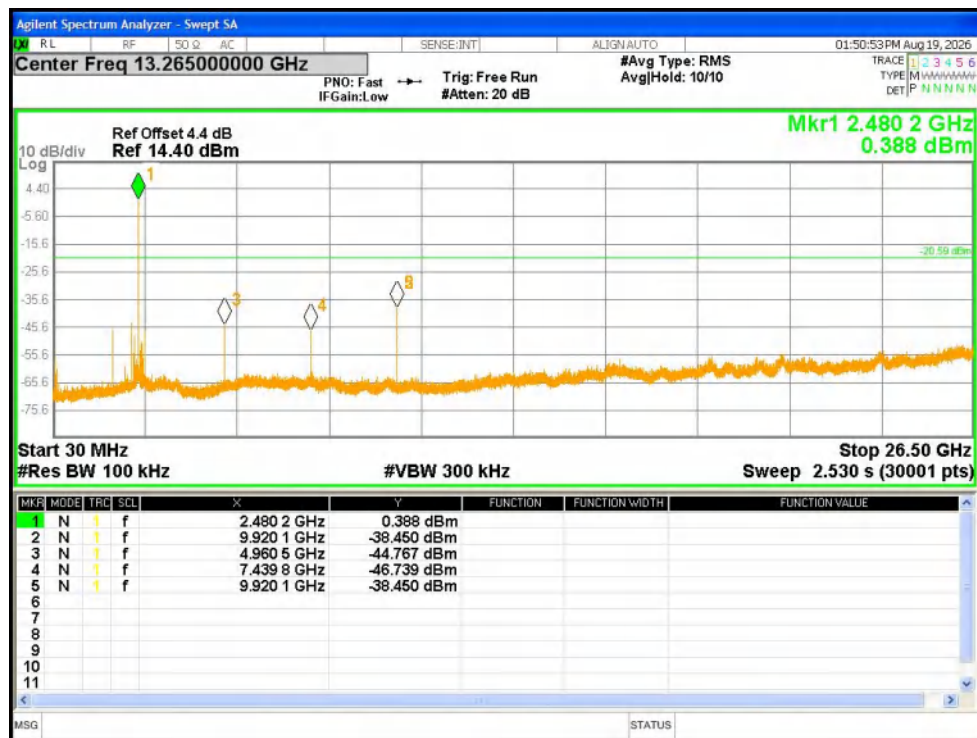
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



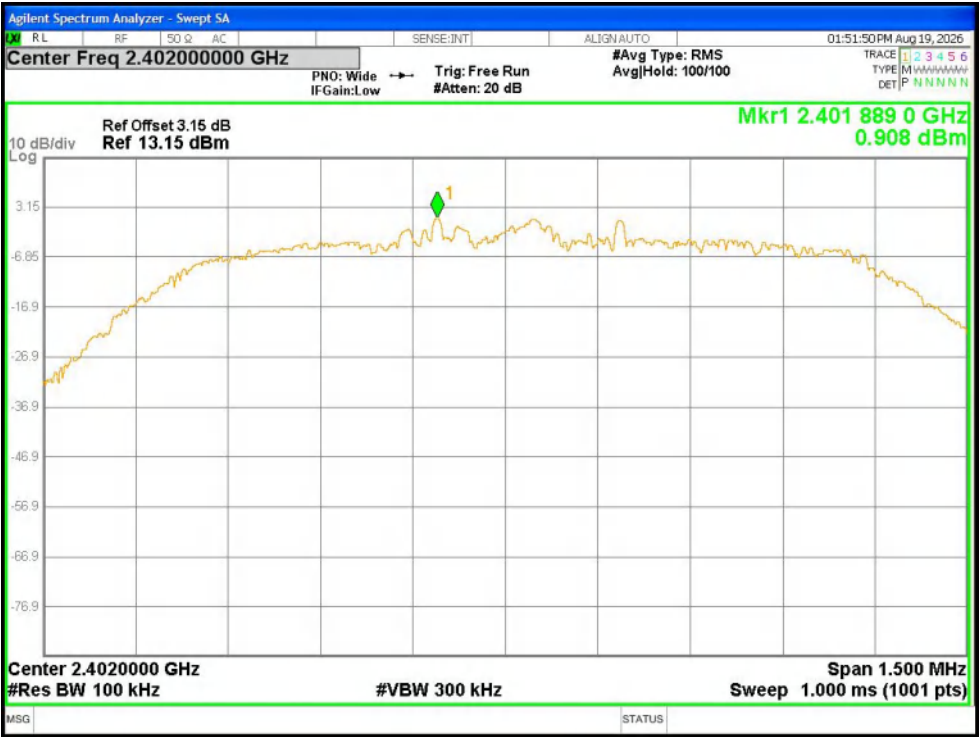
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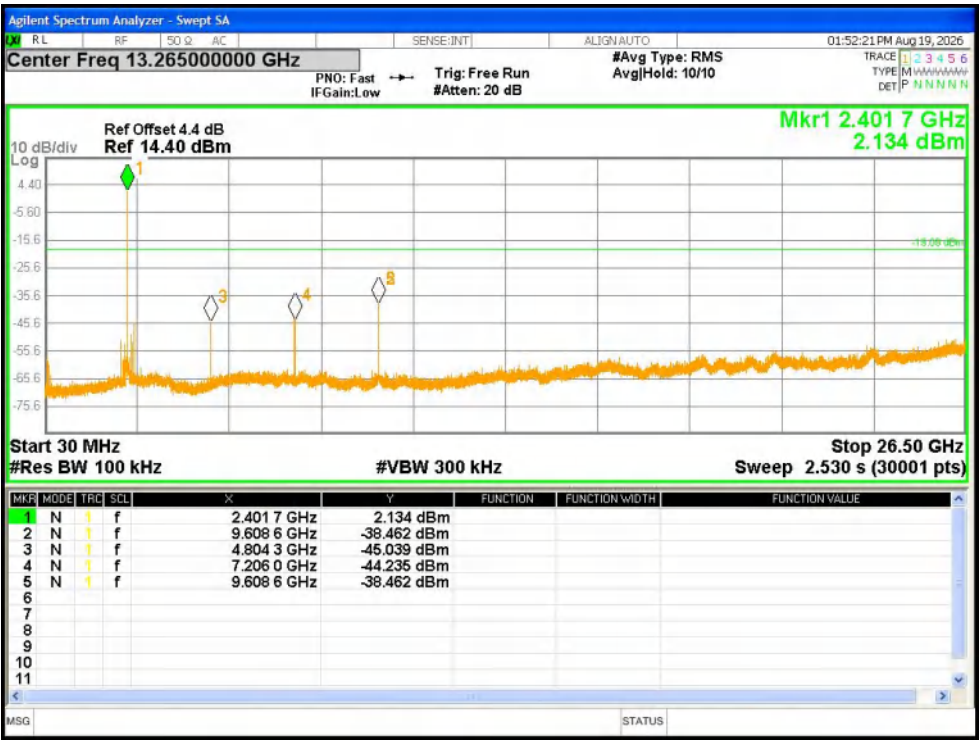
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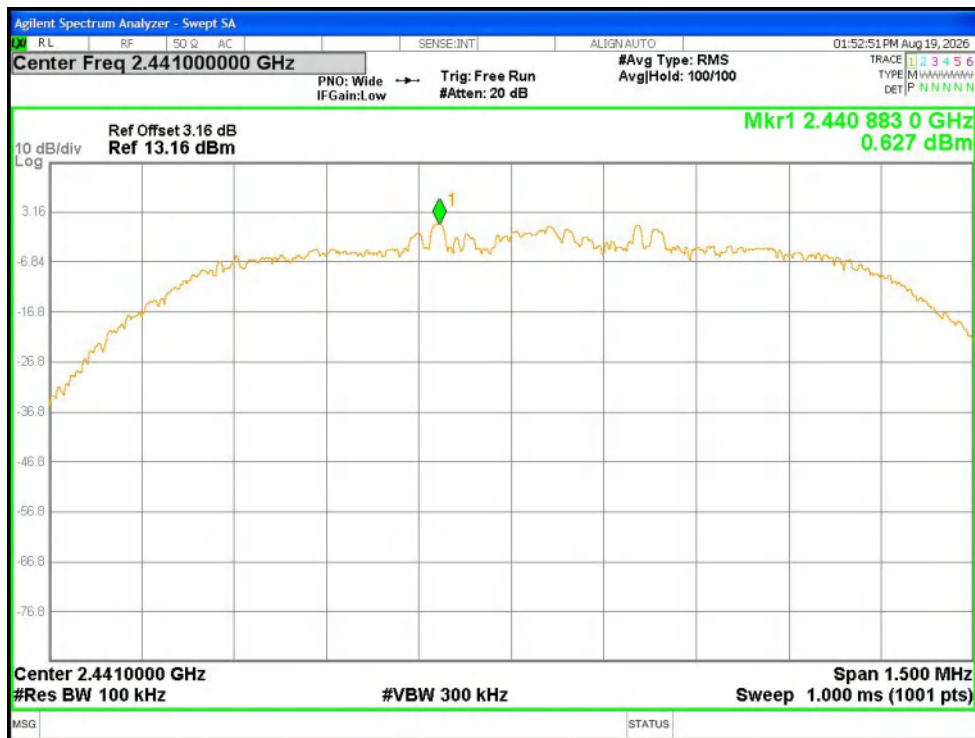
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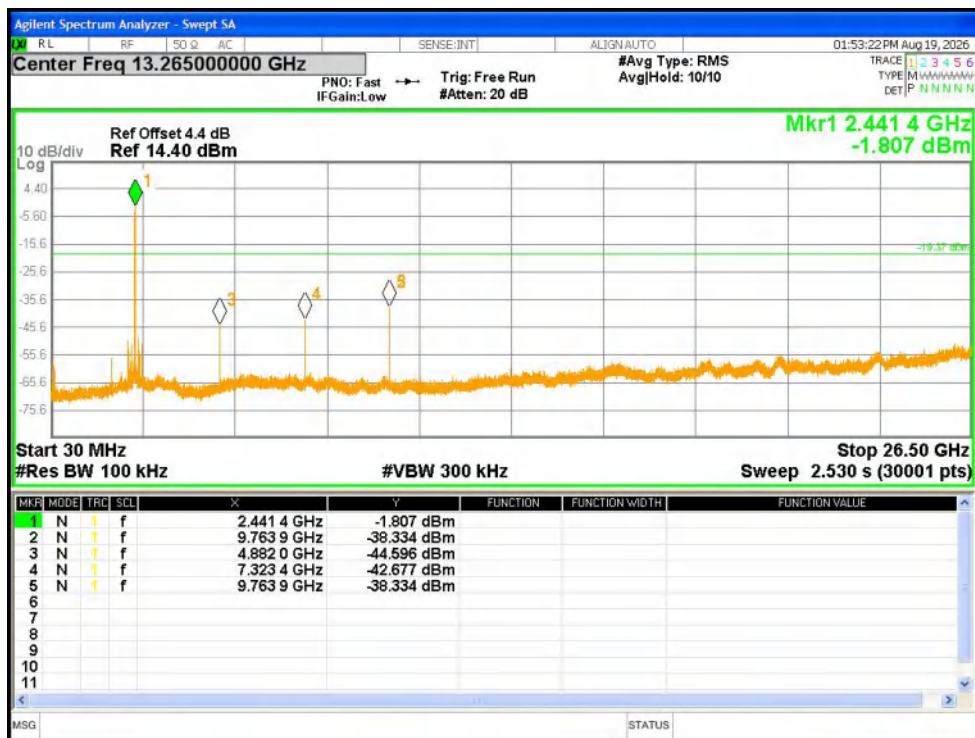
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



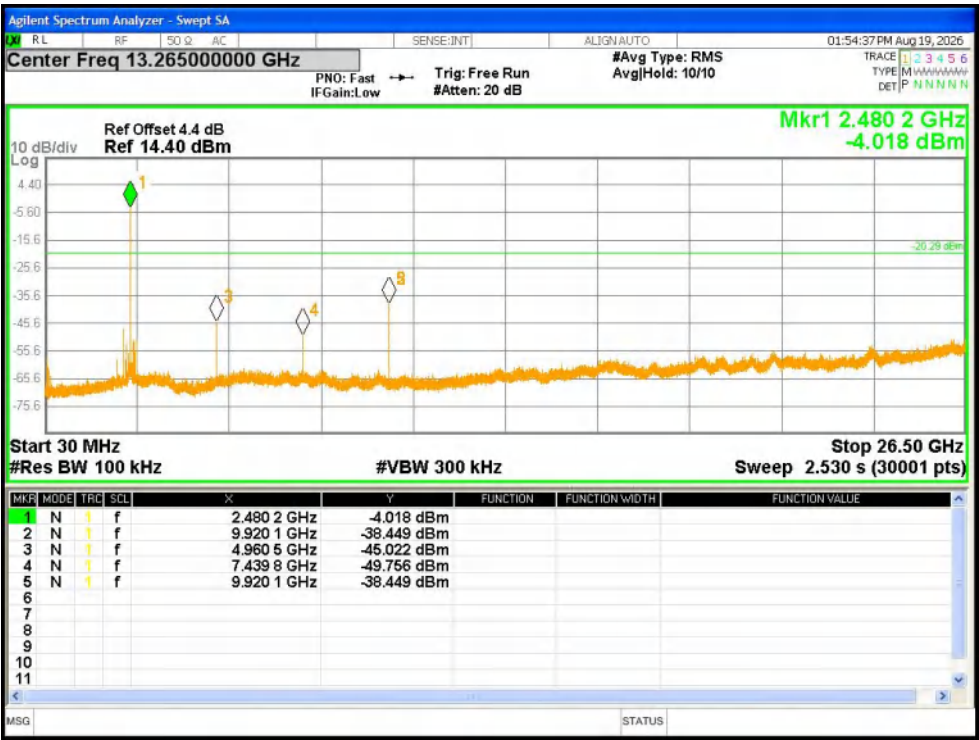
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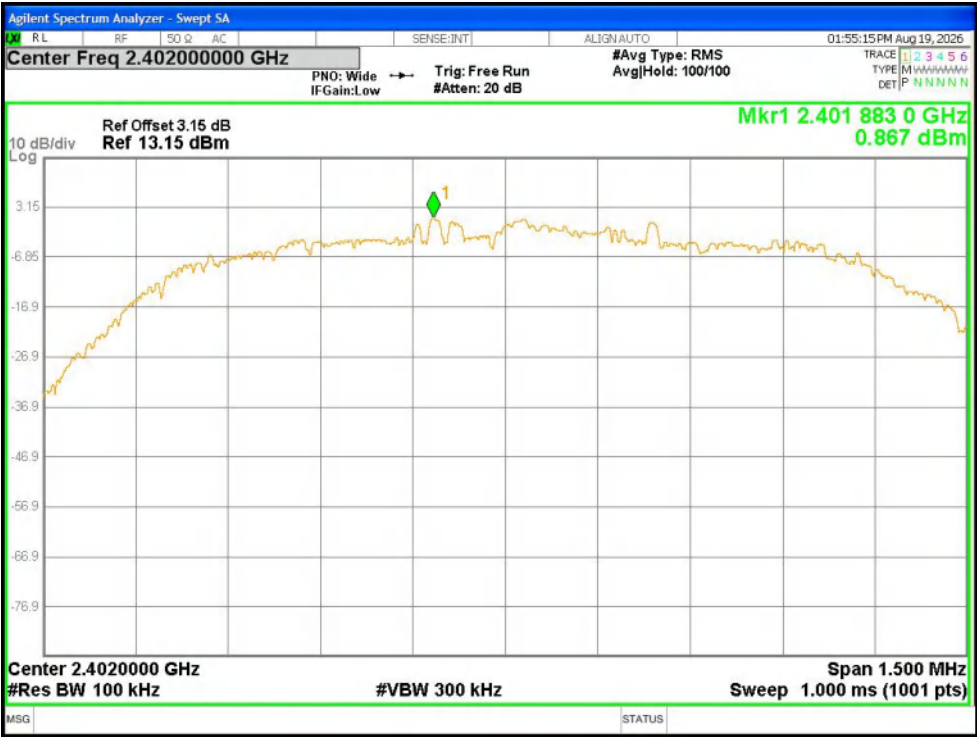
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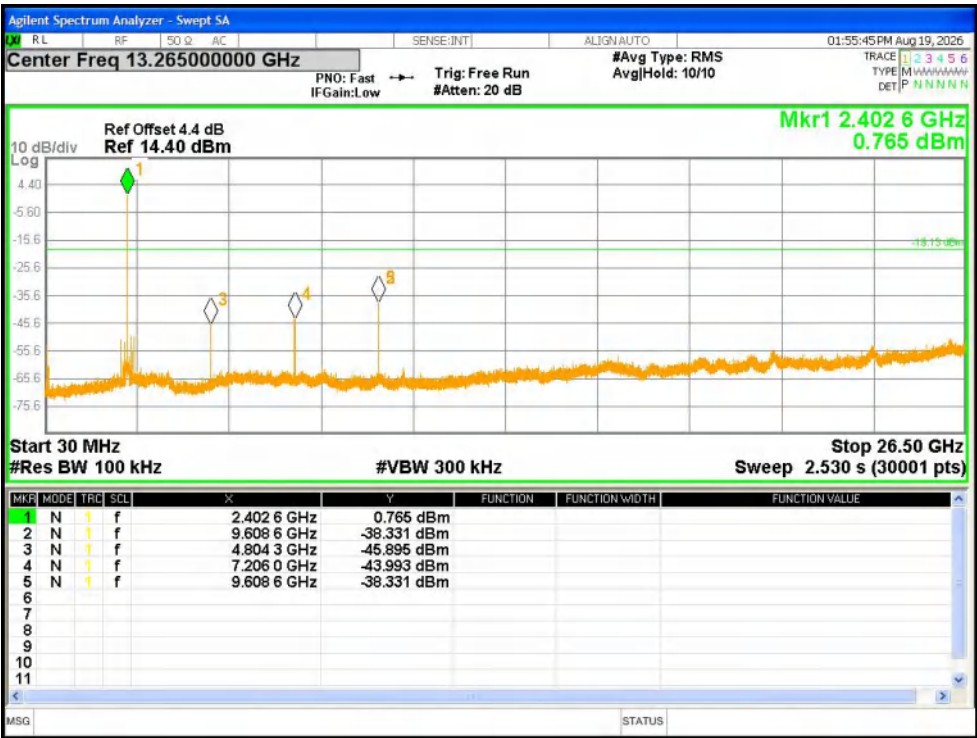
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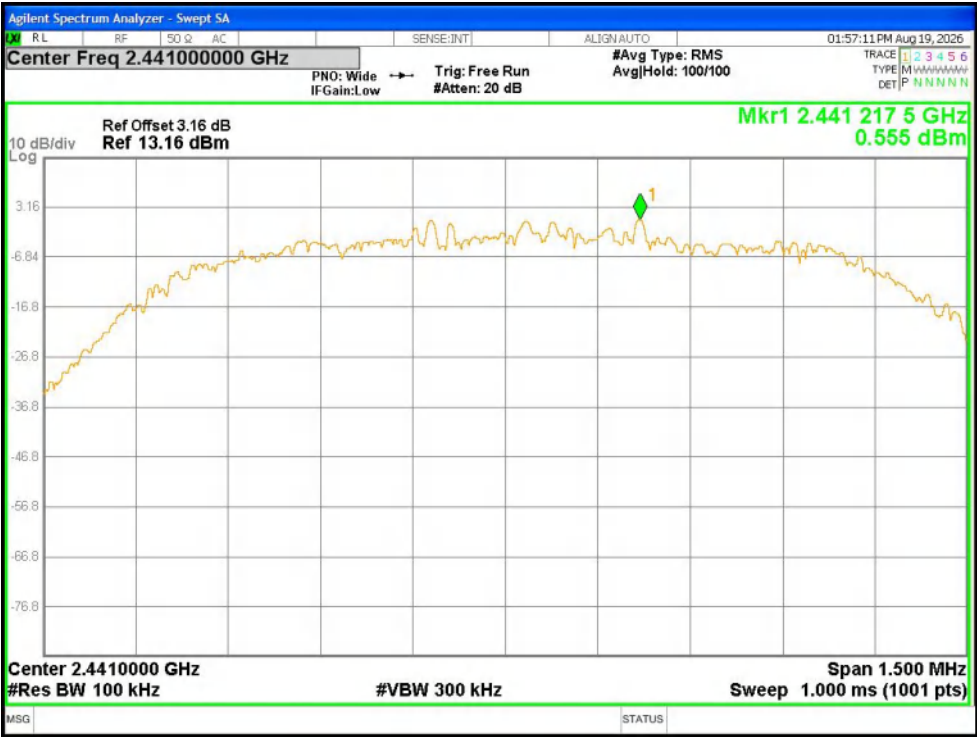
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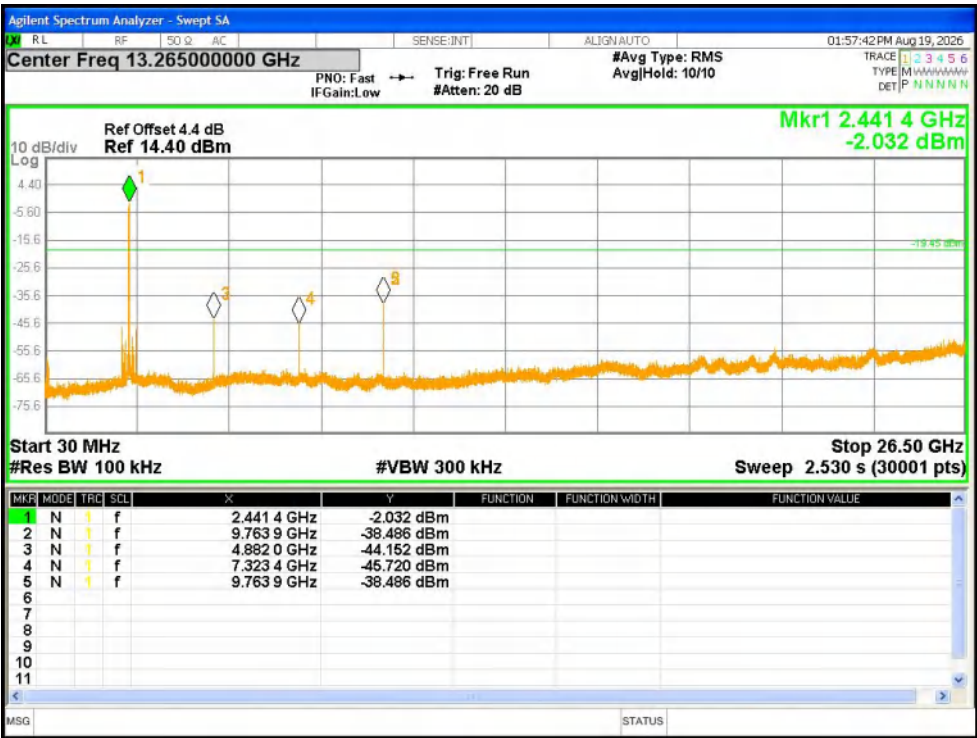
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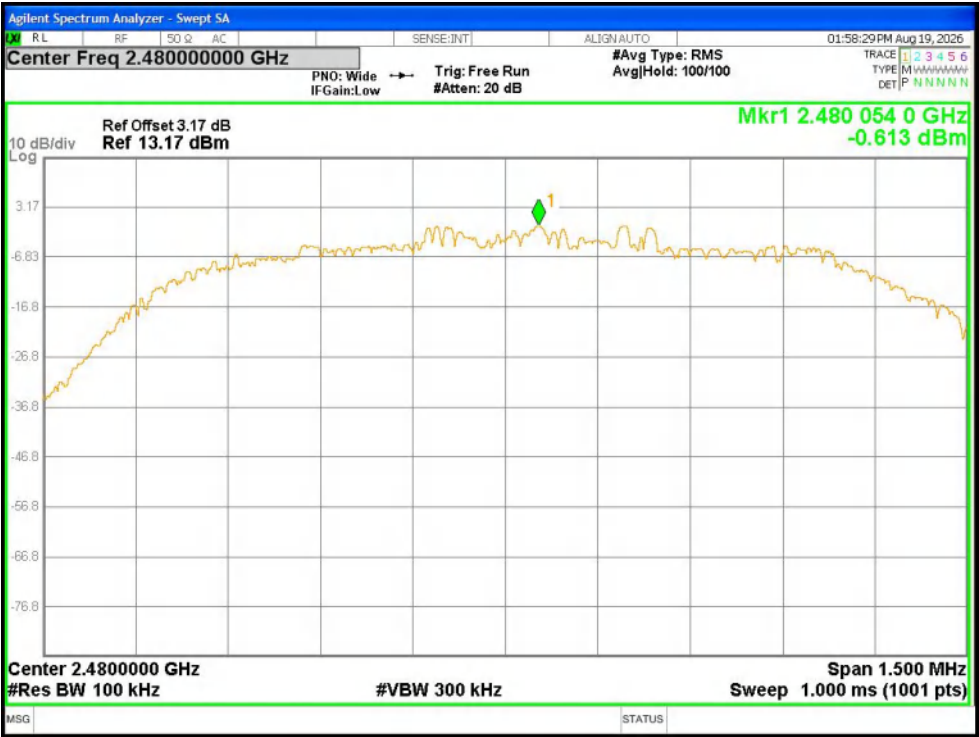
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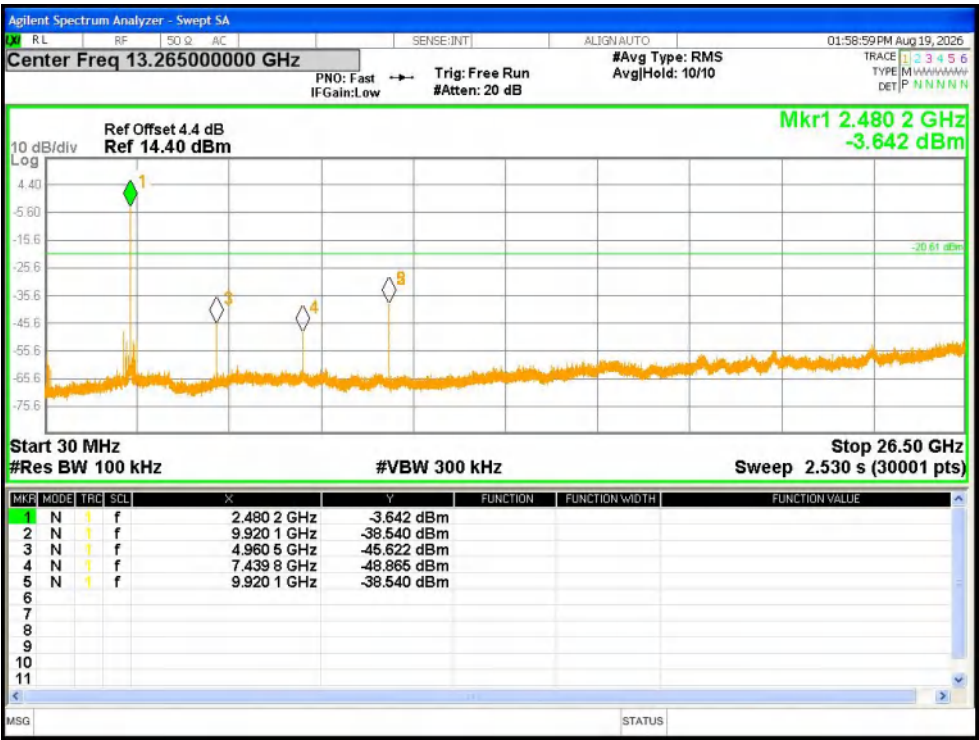
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission