



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: KARAOKE MICROPHONE

Test Model: PNCTSMIC22GR

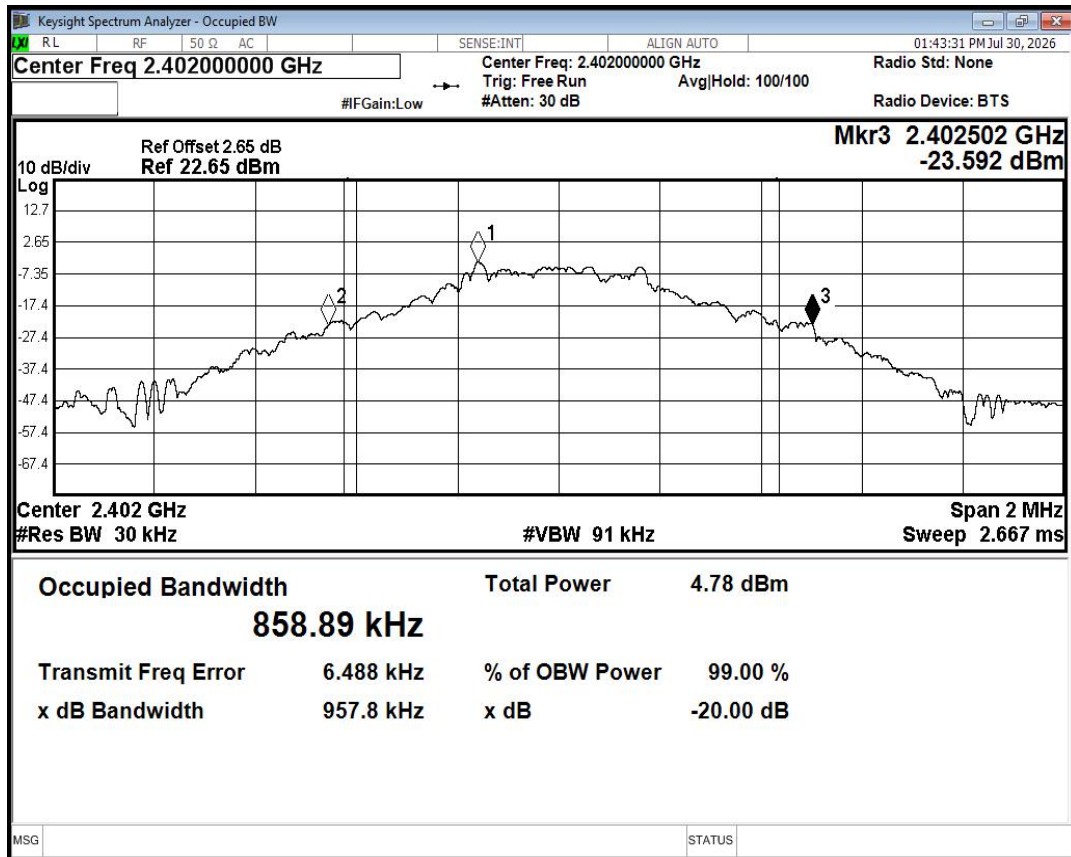
Environmental Conditions

Temperature:	23.7°C
Relative Humidity:	51.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun

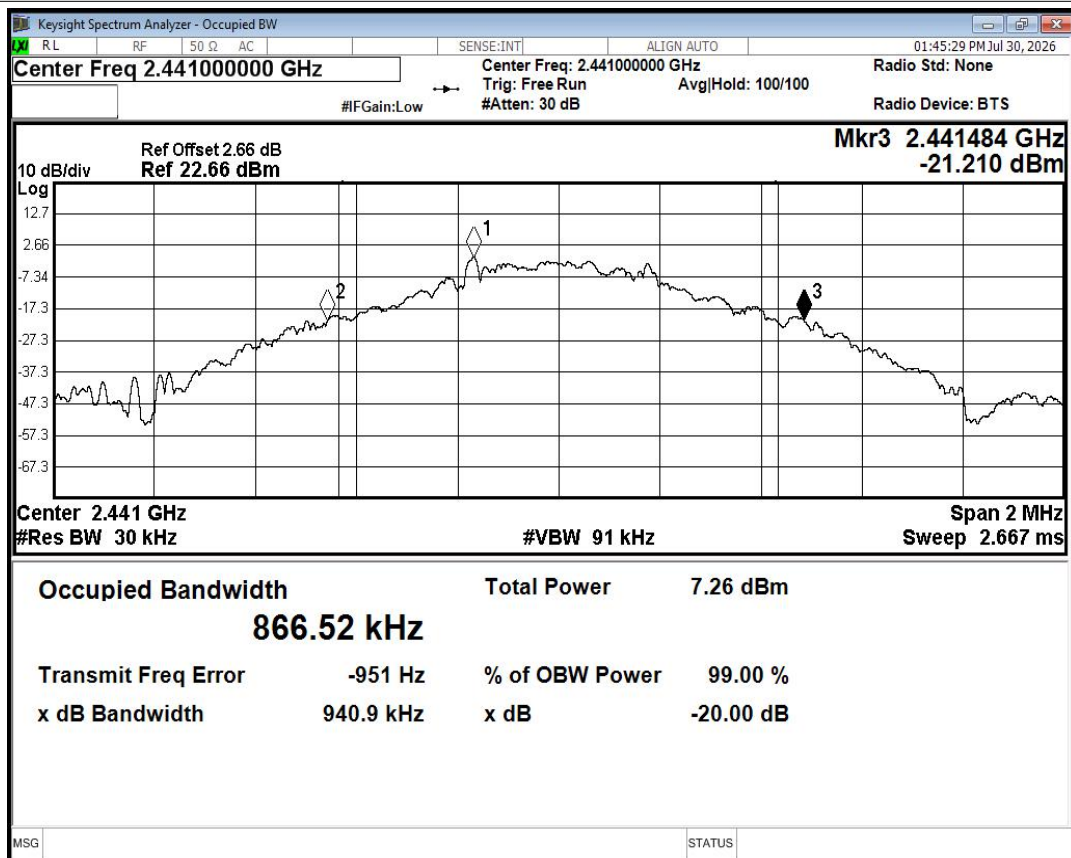


A.1 -20dB Bandwidth

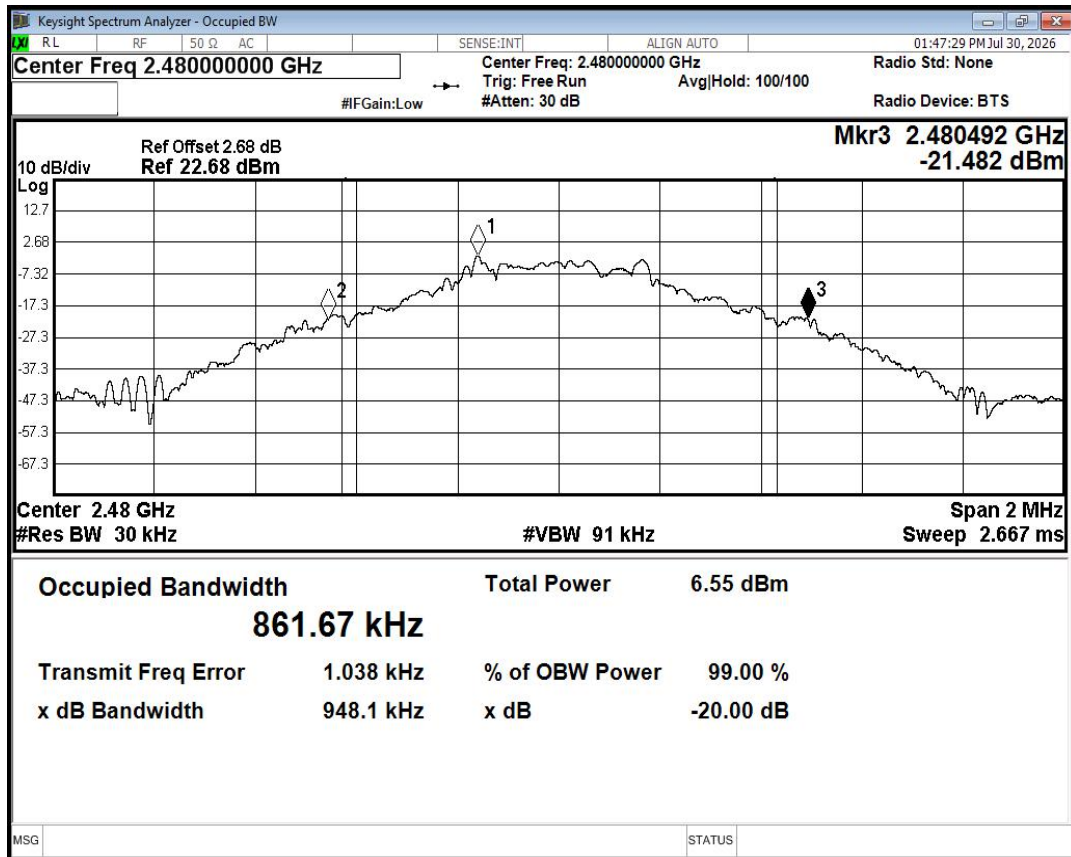
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.9578	No Limit	Pass
NVNT	1-DH5	2441	Ant1	0.9409	No Limit	Pass
NVNT	1-DH5	2480	Ant1	0.9481	No Limit	Pass
NVNT	2-DH5	2402	Ant1	1.29	No Limit	Pass
NVNT	2-DH5	2441	Ant1	1.309	No Limit	Pass
NVNT	2-DH5	2480	Ant1	1.289	No Limit	Pass
NVNT	3-DH5	2402	Ant1	1.312	No Limit	Pass
NVNT	3-DH5	2441	Ant1	1.305	No Limit	Pass
NVNT	3-DH5	2480	Ant1	1.295	No Limit	Pass



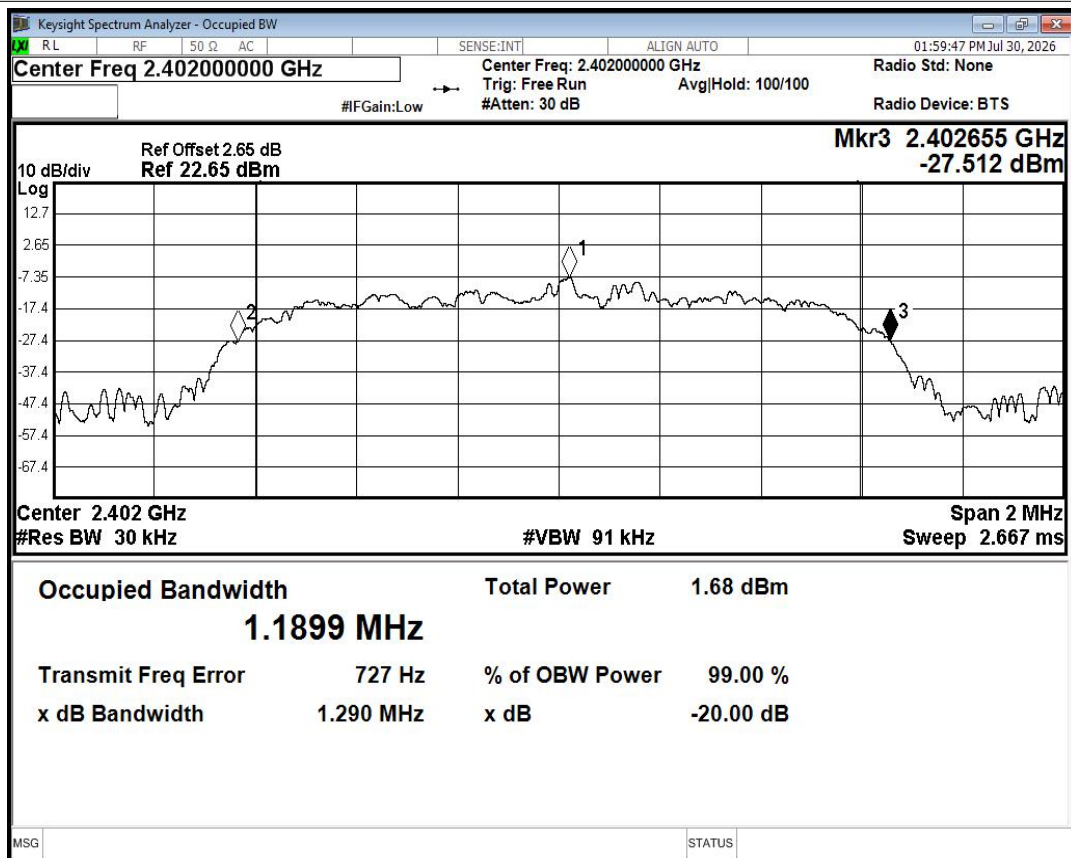
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



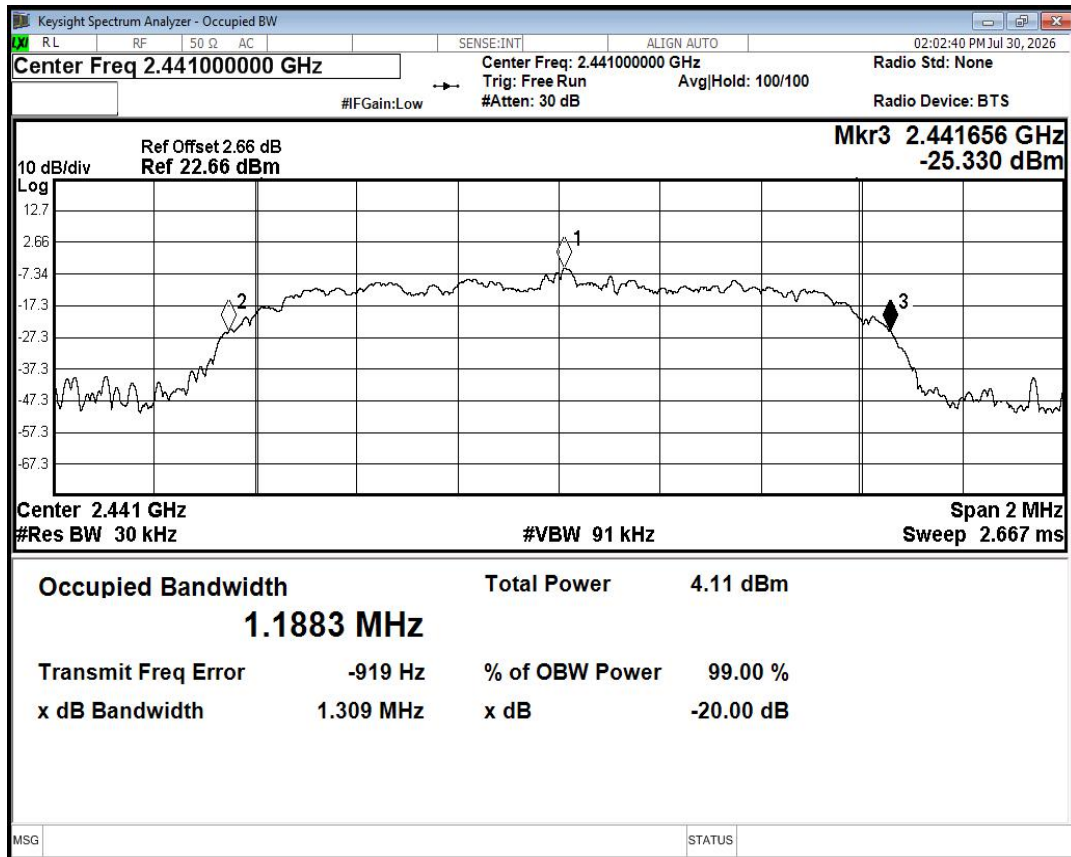
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



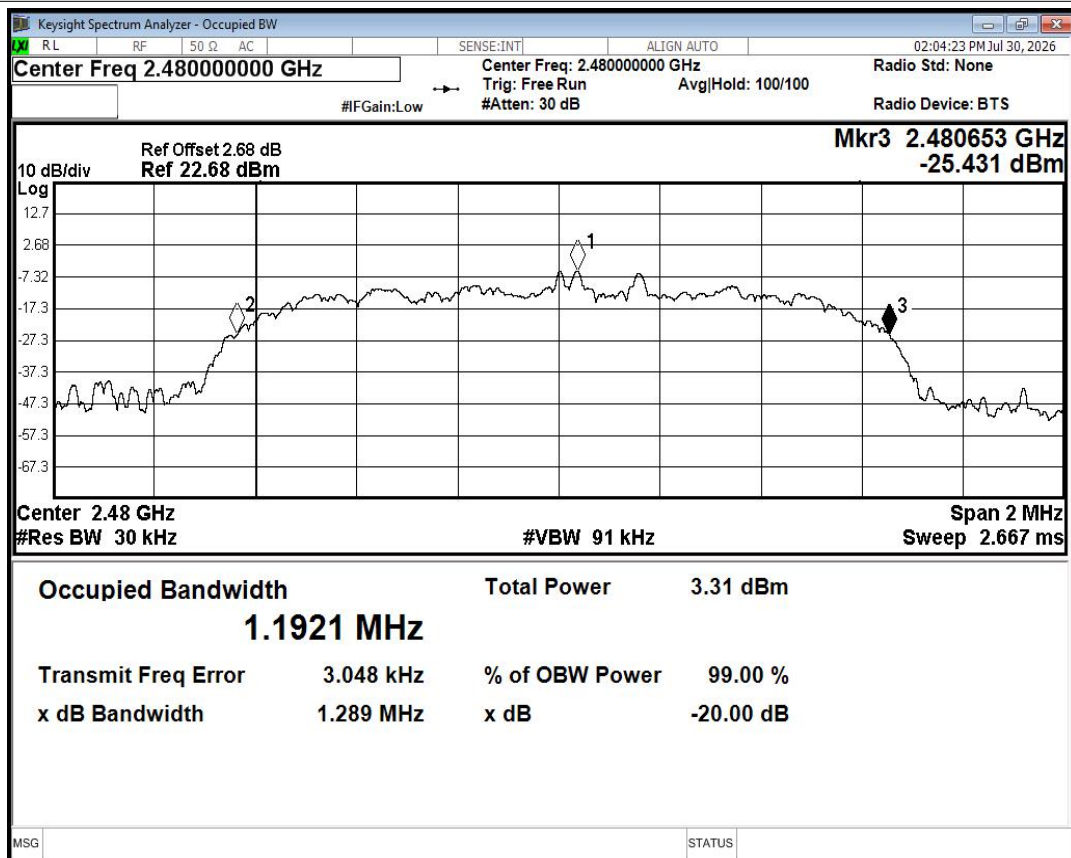
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



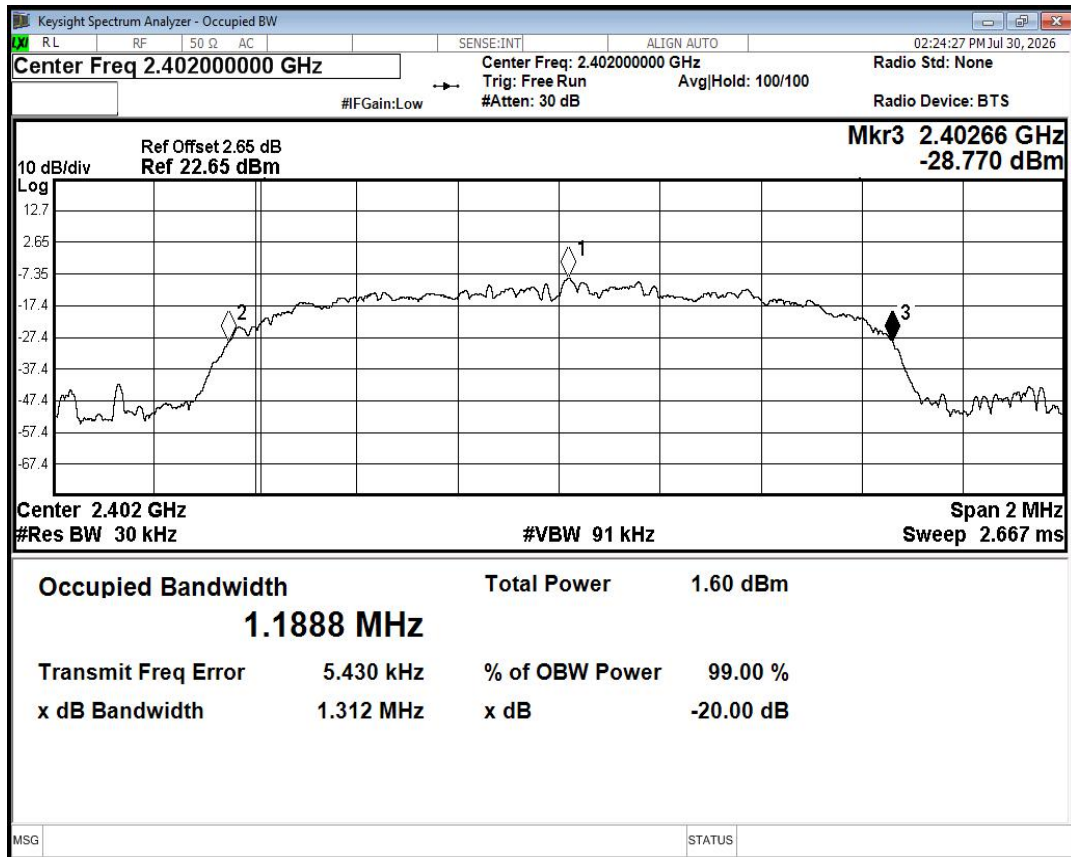
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



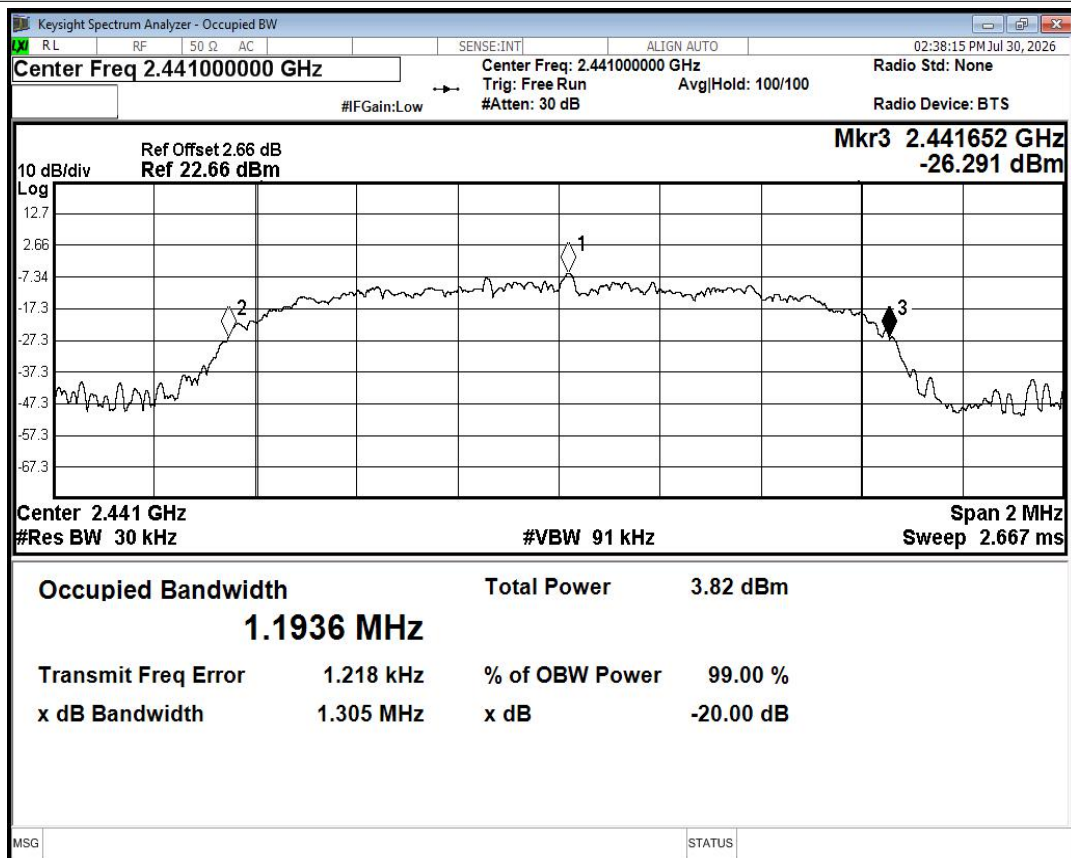
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



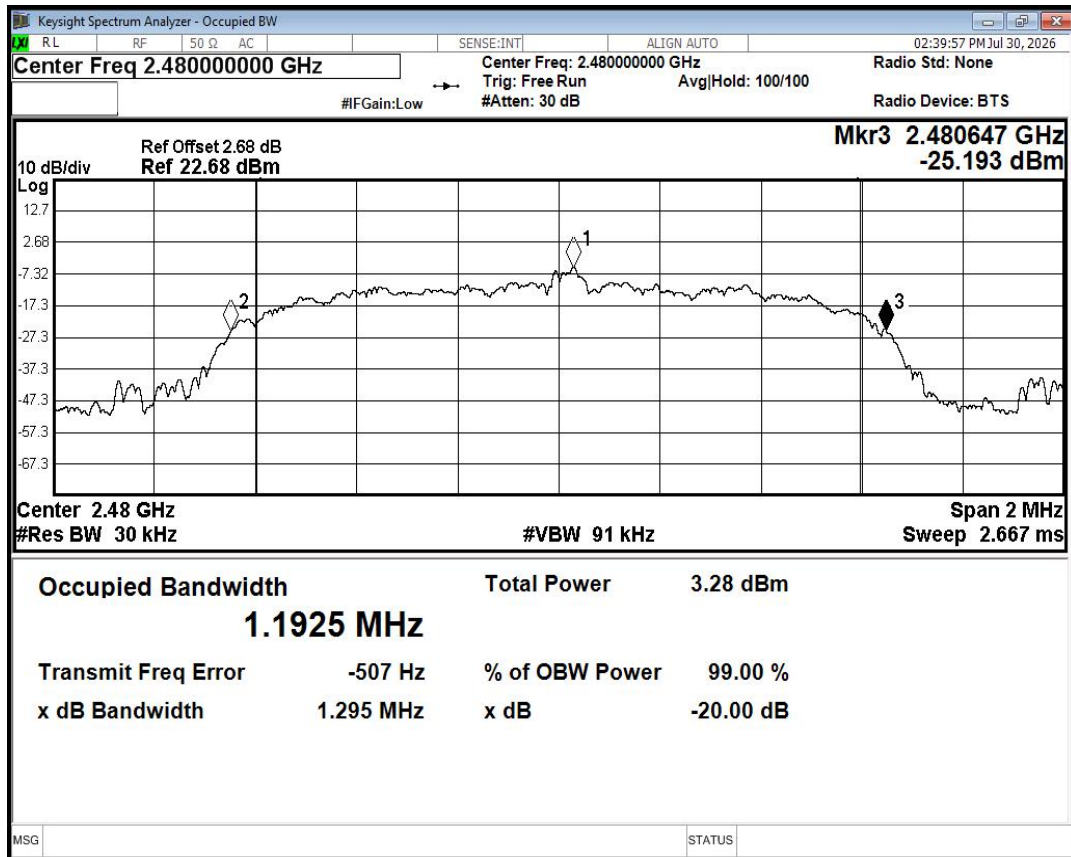
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1

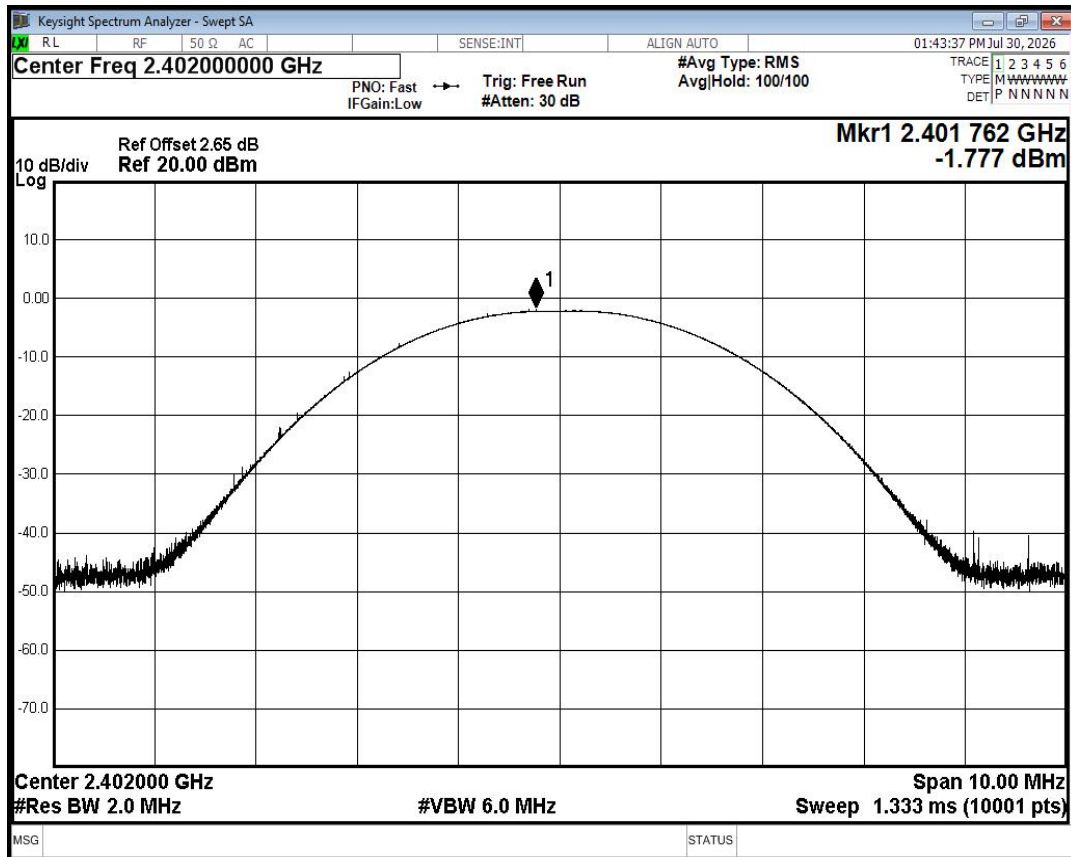


-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

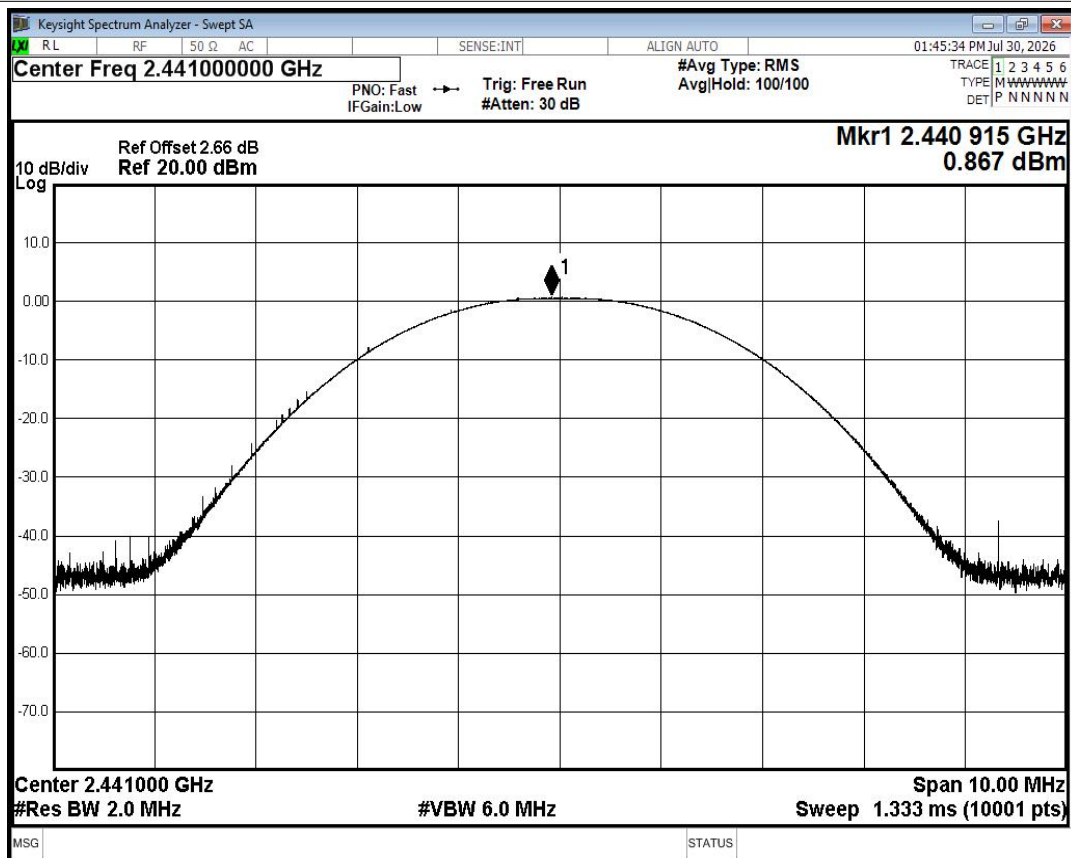


A.2 Maximum Peak Conducted Output Power

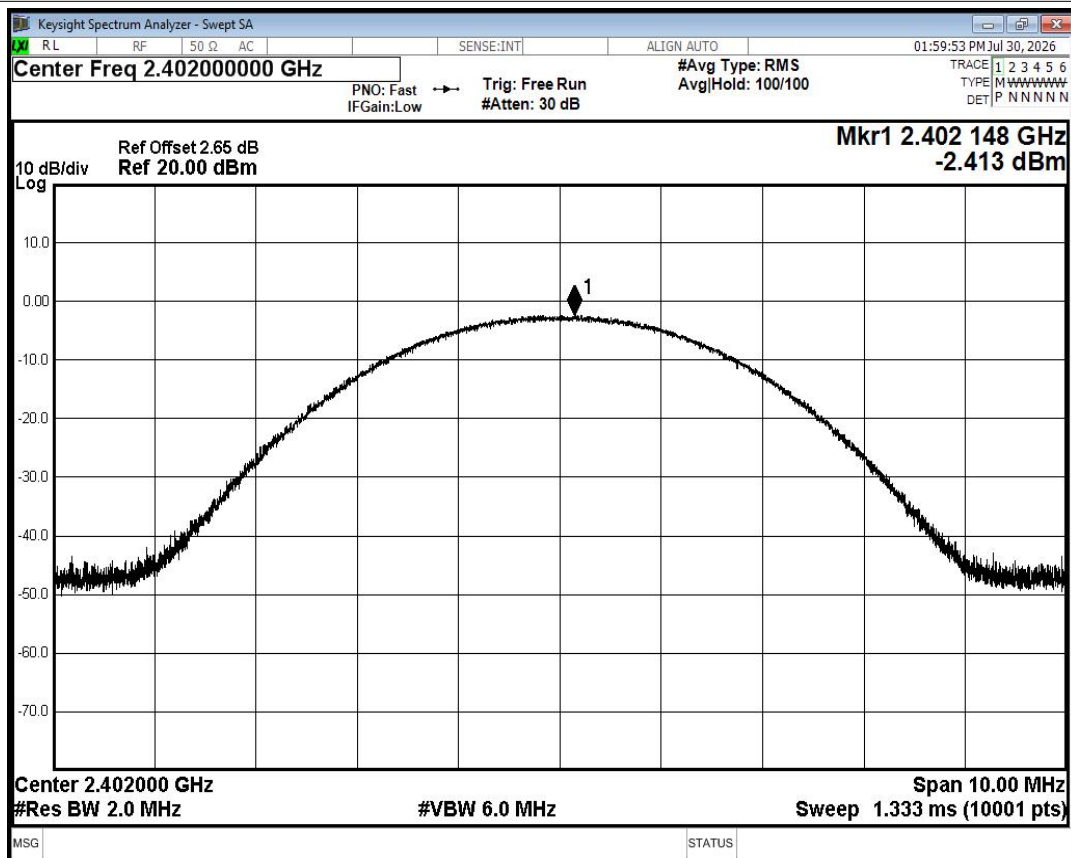
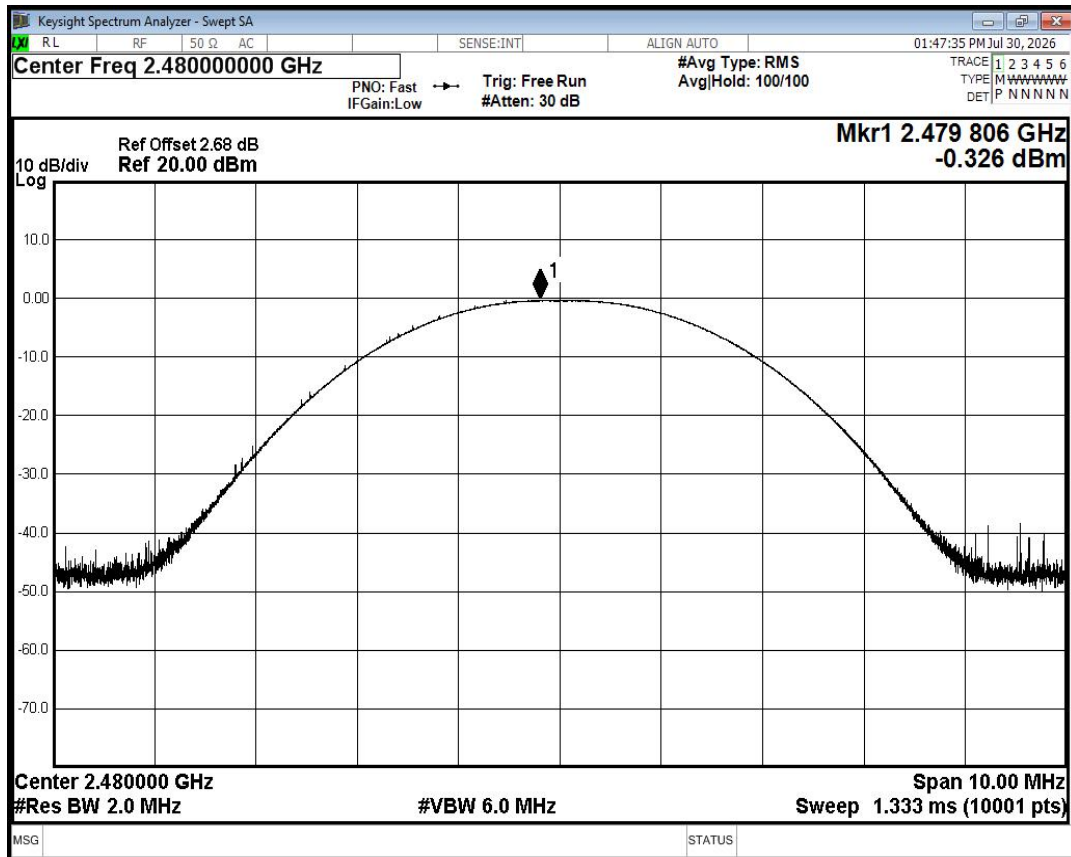
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-1.78	30	Pass
NVNT	1-DH5	2441	Ant1	0.87	30	Pass
NVNT	1-DH5	2480	Ant1	-0.33	30	Pass
NVNT	2-DH5	2402	Ant1	-2.41	30	Pass
NVNT	2-DH5	2441	Ant1	0.24	30	Pass
NVNT	2-DH5	2480	Ant1	-0.71	30	Pass
NVNT	3-DH5	2402	Ant1	-2.05	30	Pass
NVNT	3-DH5	2441	Ant1	0.4	30	Pass
NVNT	3-DH5	2480	Ant1	-0.59	30	Pass

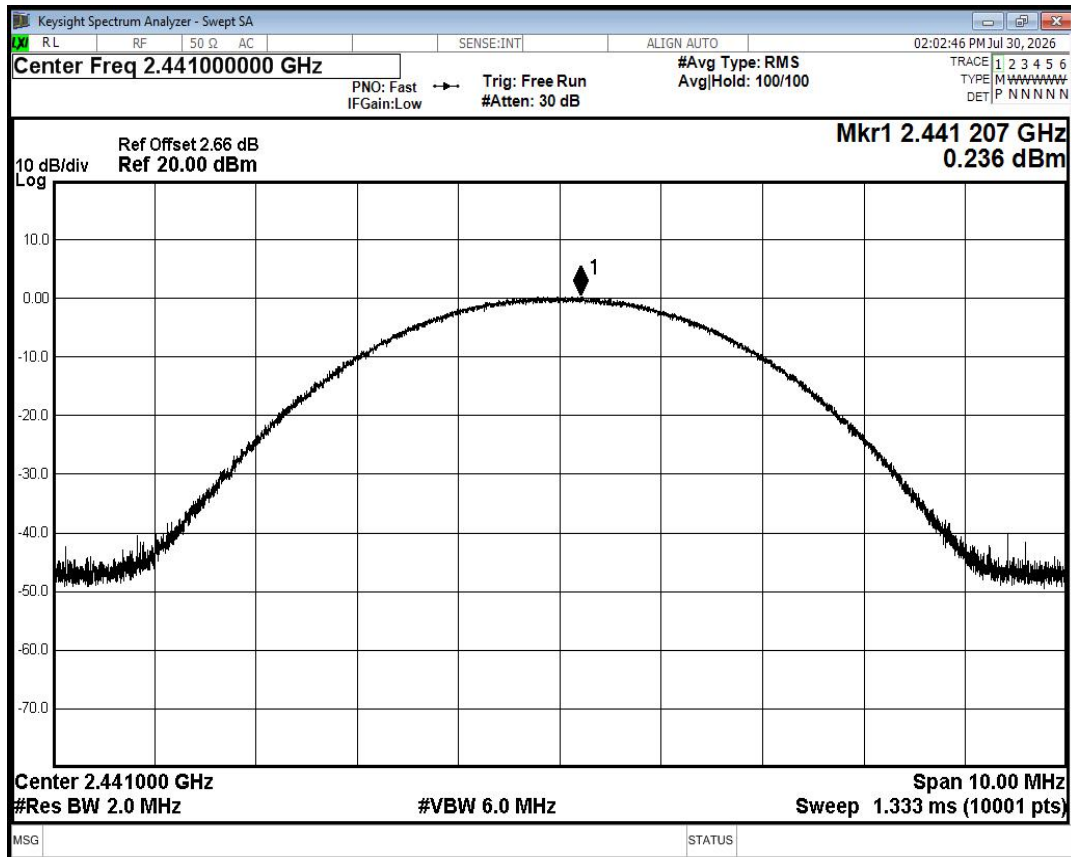


Peak Power NVNT 1-DH5 2402MHz Ant1

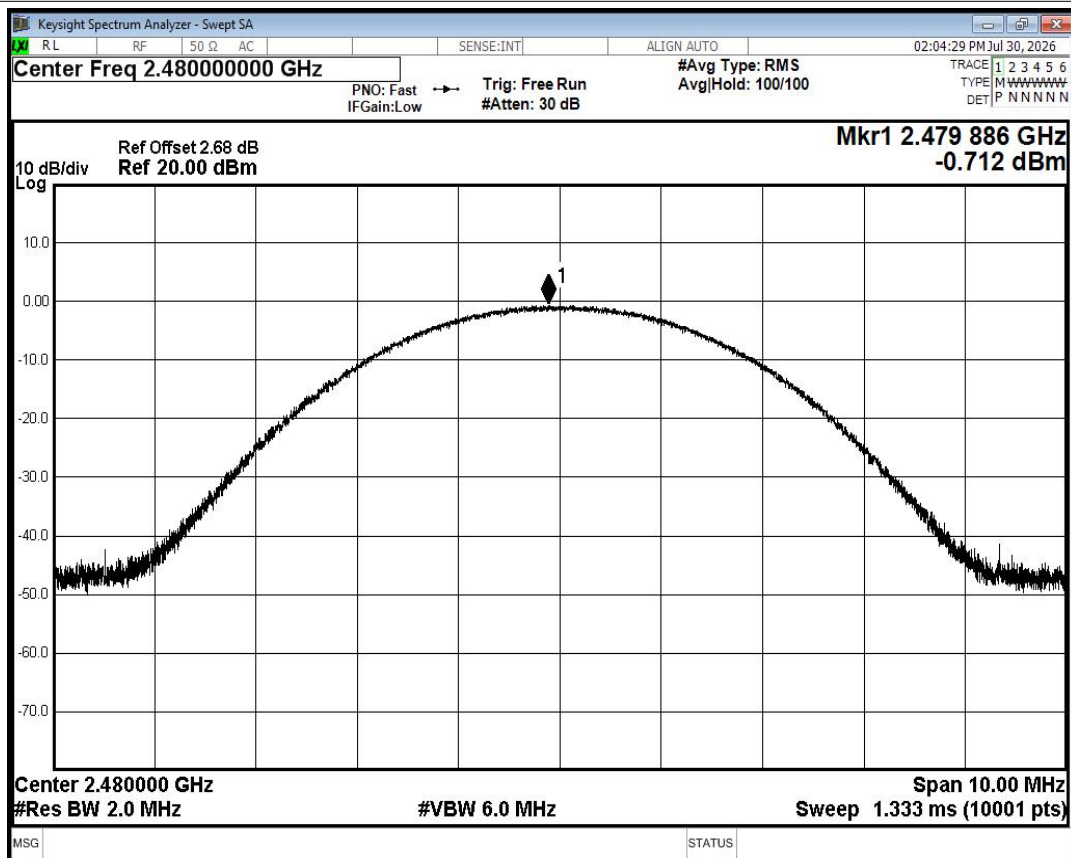


Peak Power NVNT 1-DH5 2441MHz Ant1

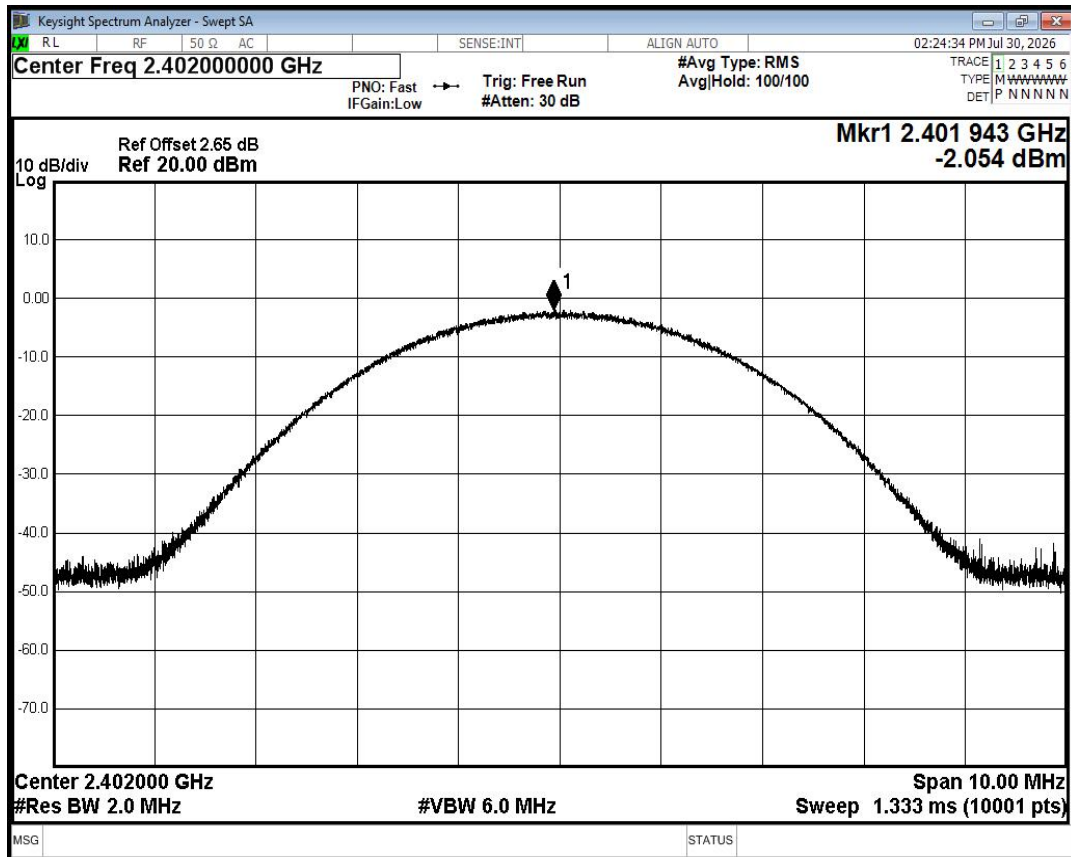




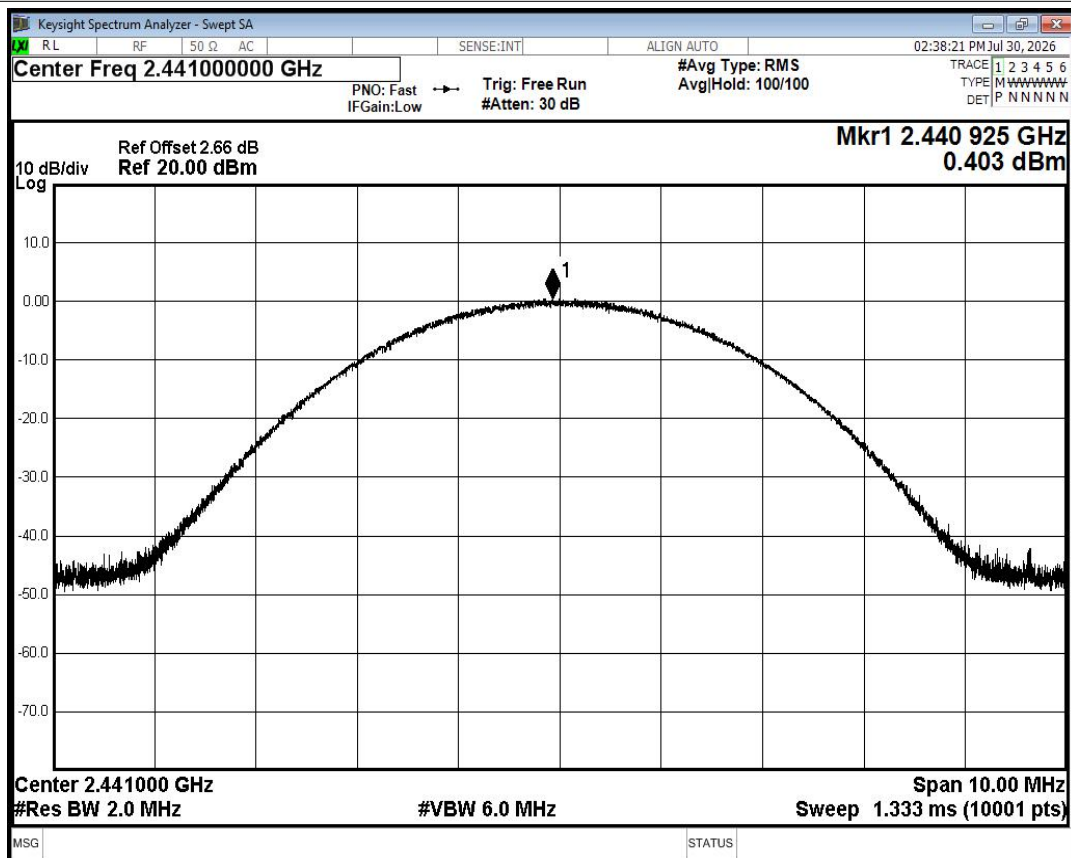
Peak Power NVNT 2-DH5 2441MHz Ant1



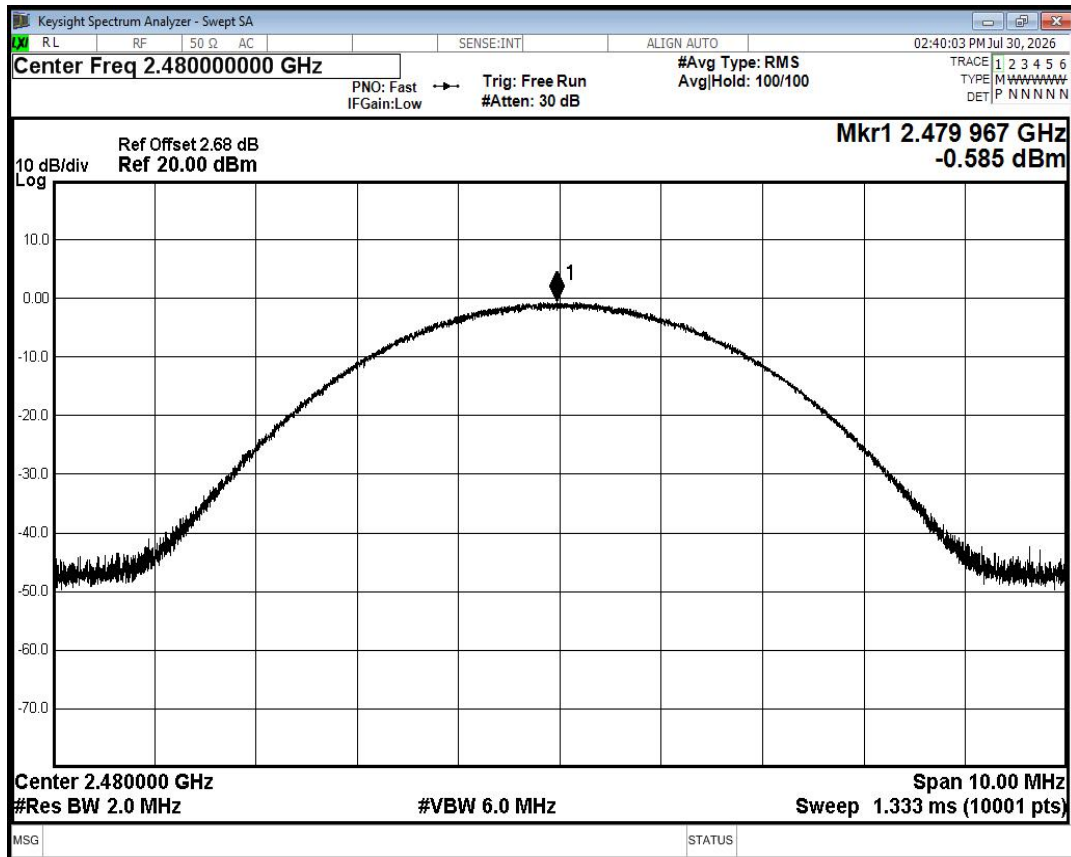
Peak Power NVNT 2-DH5 2480MHz Ant1



Peak Power NVNT 3-DH5 2402MHz Ant1



Peak Power NVNT 3-DH5 2441MHz Ant1

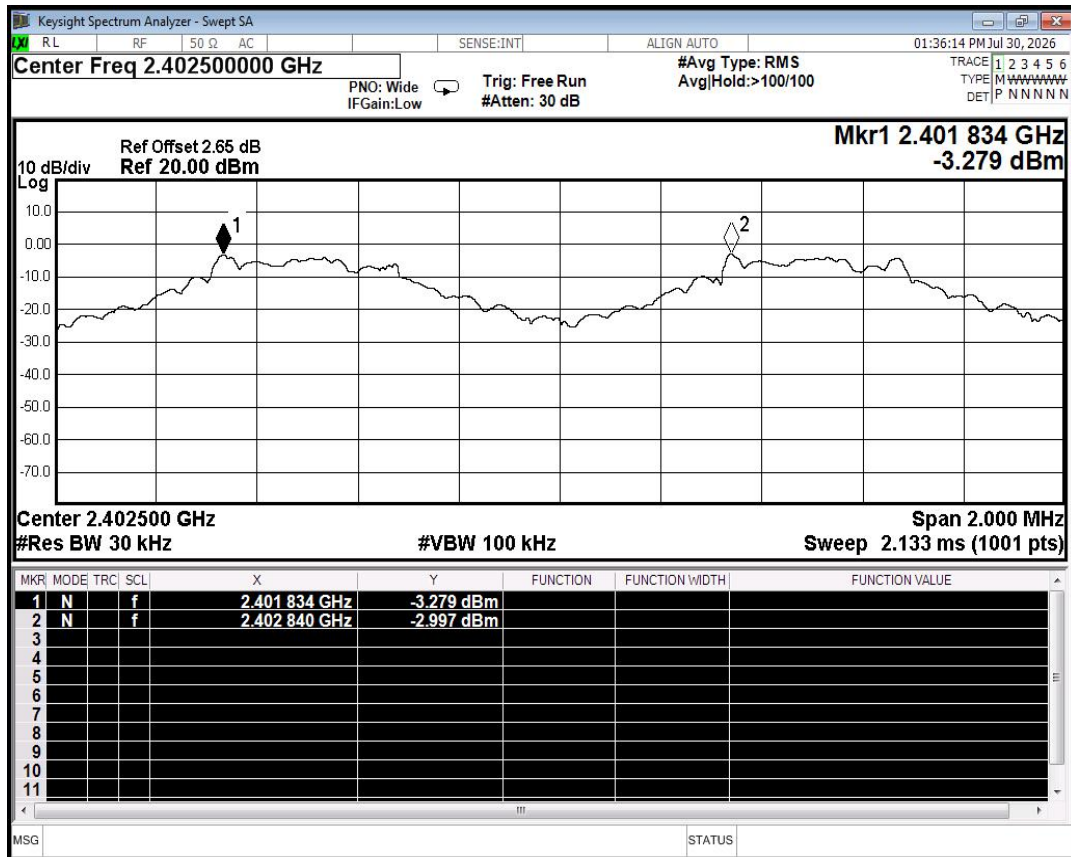


Peak Power NVNT 3-DH5 2480MHz Ant1

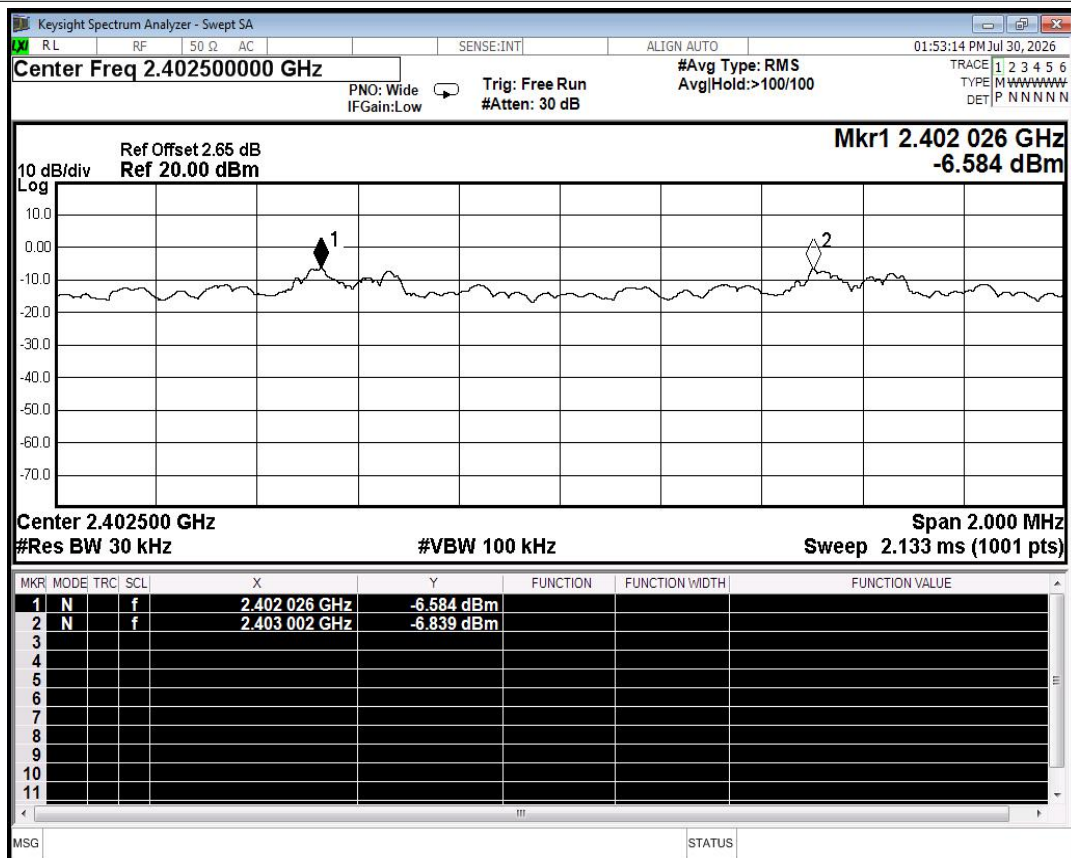


A.3 Carrier Frequencies Separation

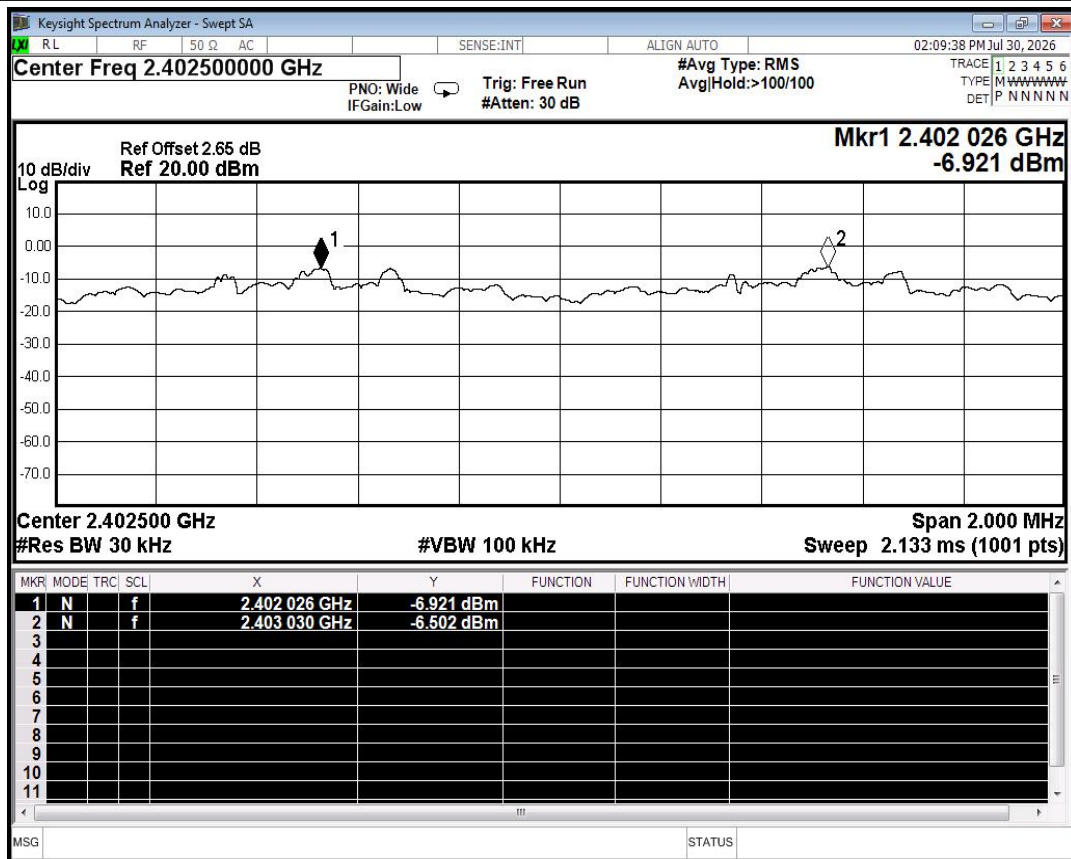
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.834	2402.84	1.006	0.627	Pass
NVNT	2-DH5	Ant1	2402.026	2403.002	0.976	0.877	Pass
NVNT	3-DH5	Ant1	2402.026	2403.03	1.004	0.863	Pass



CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1

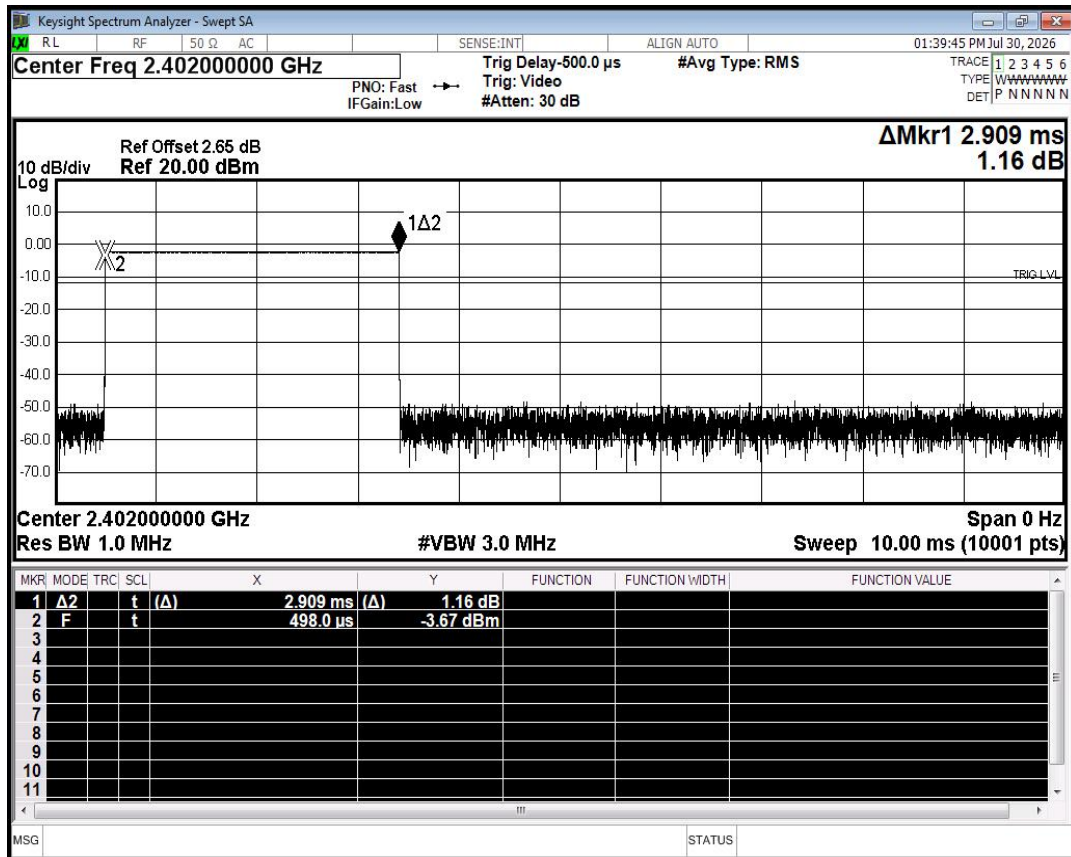


CFS NVNT 3-DH5 2402MHz Ant1

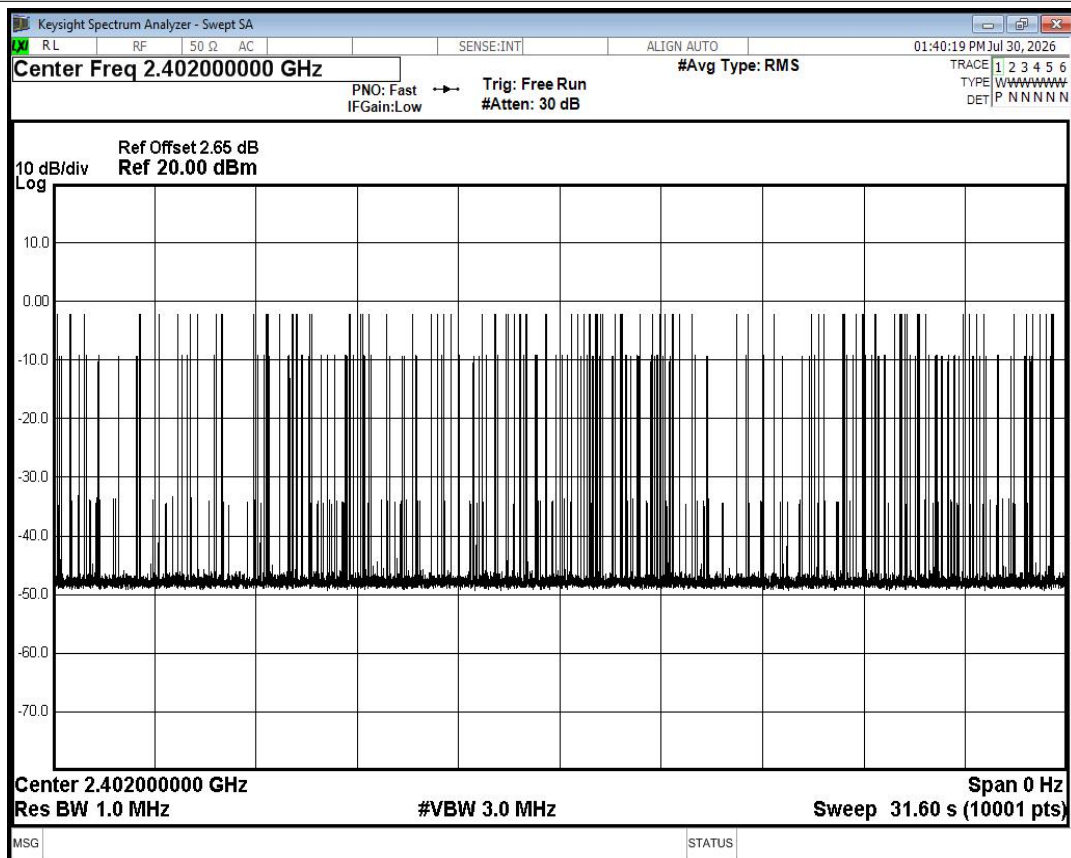


A.4 Dwell Time

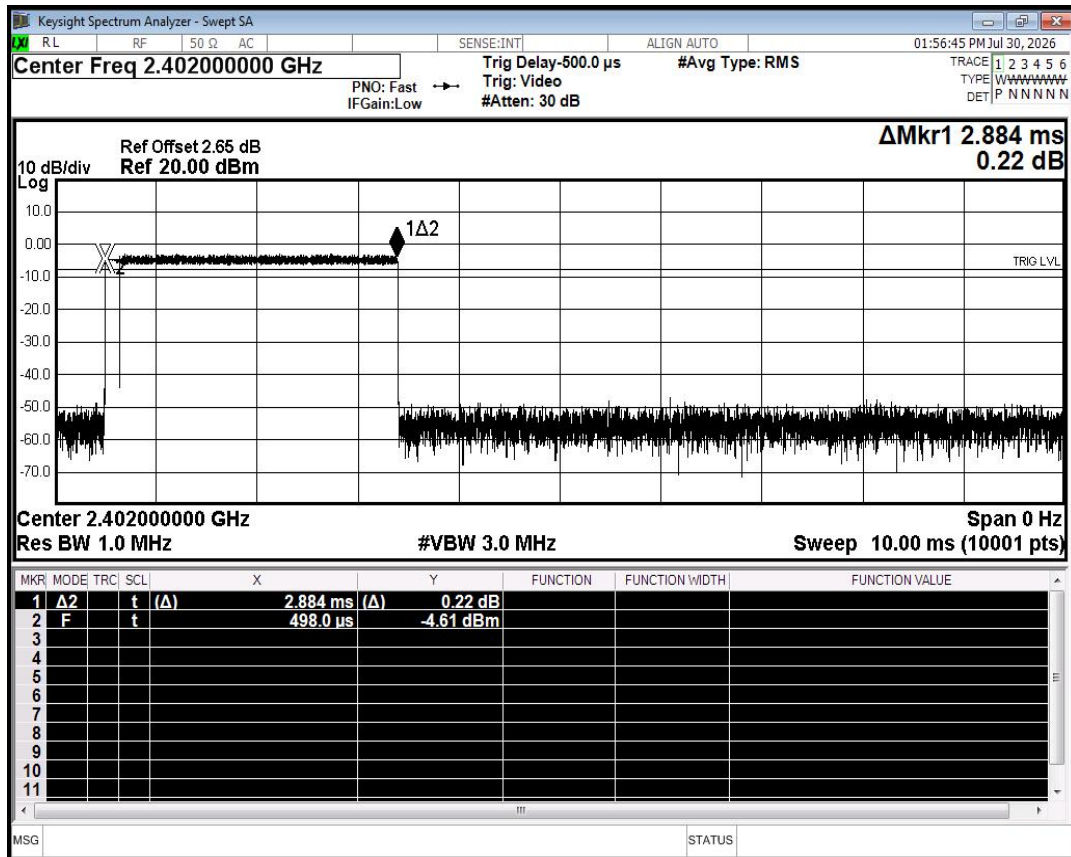
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.909	279.264	96	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.884	314.356	109	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.892	297.876	103	31600	400	Pass



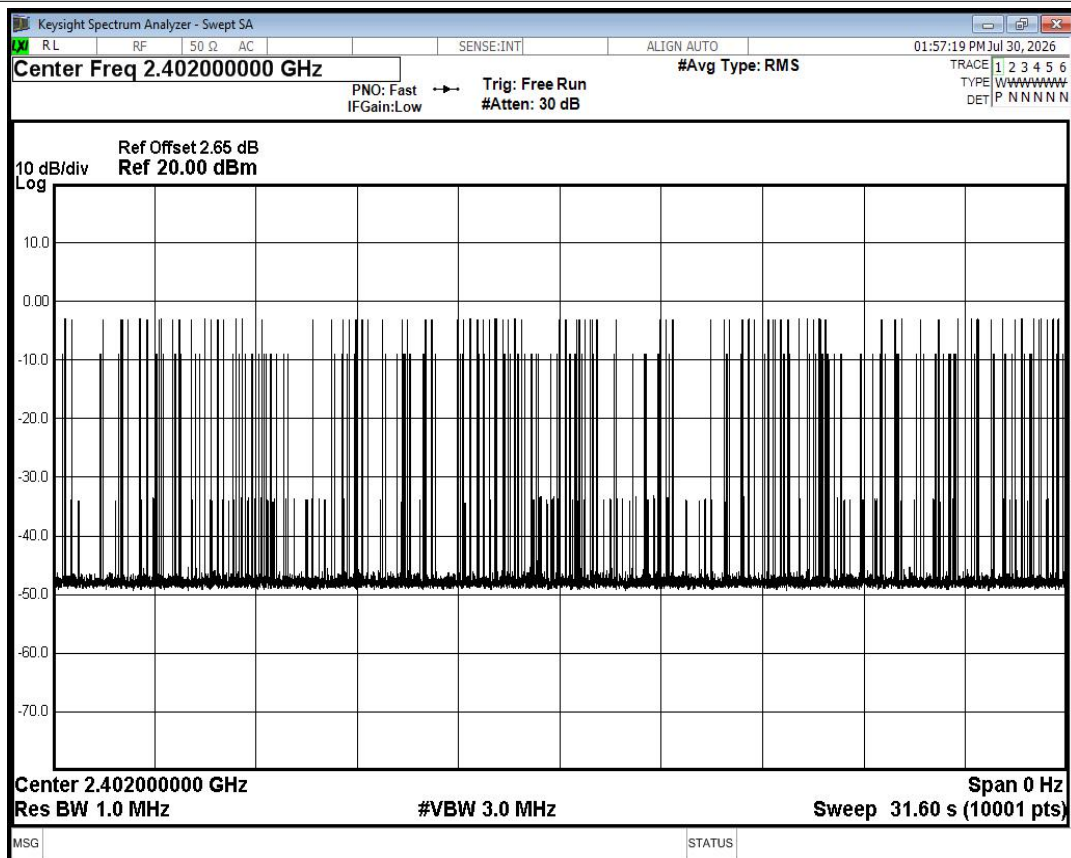
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



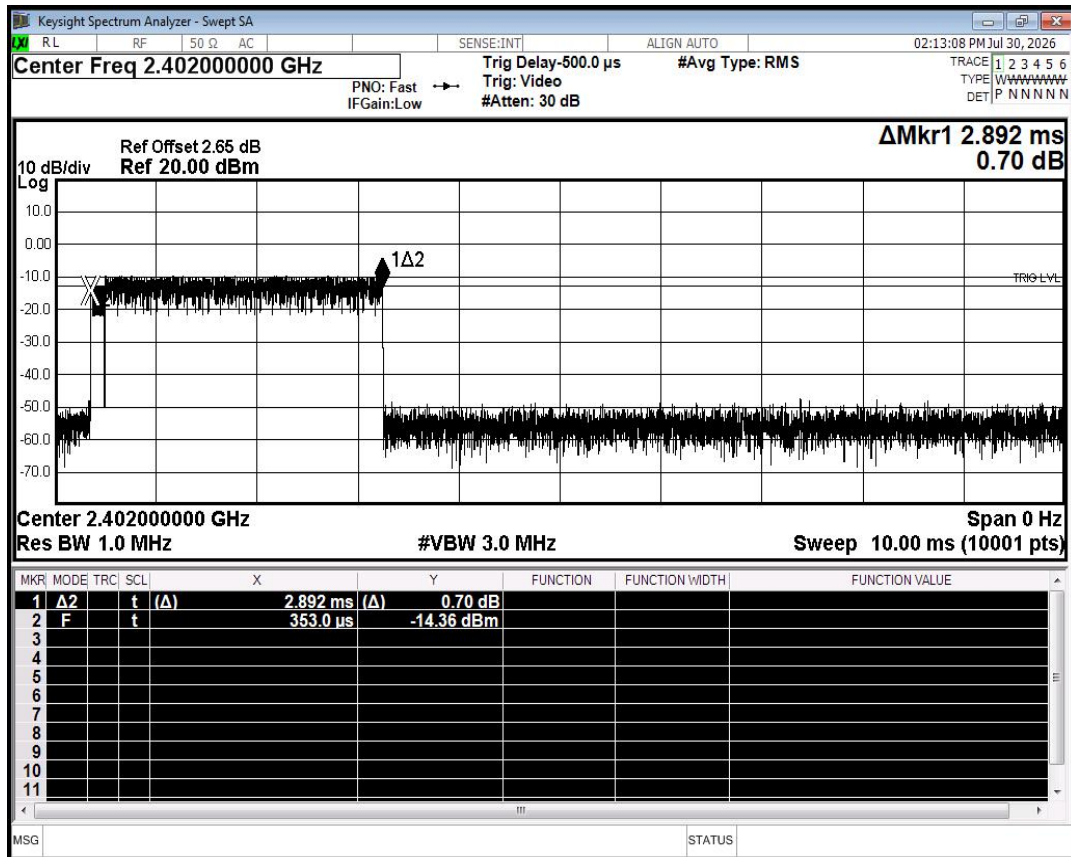
Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



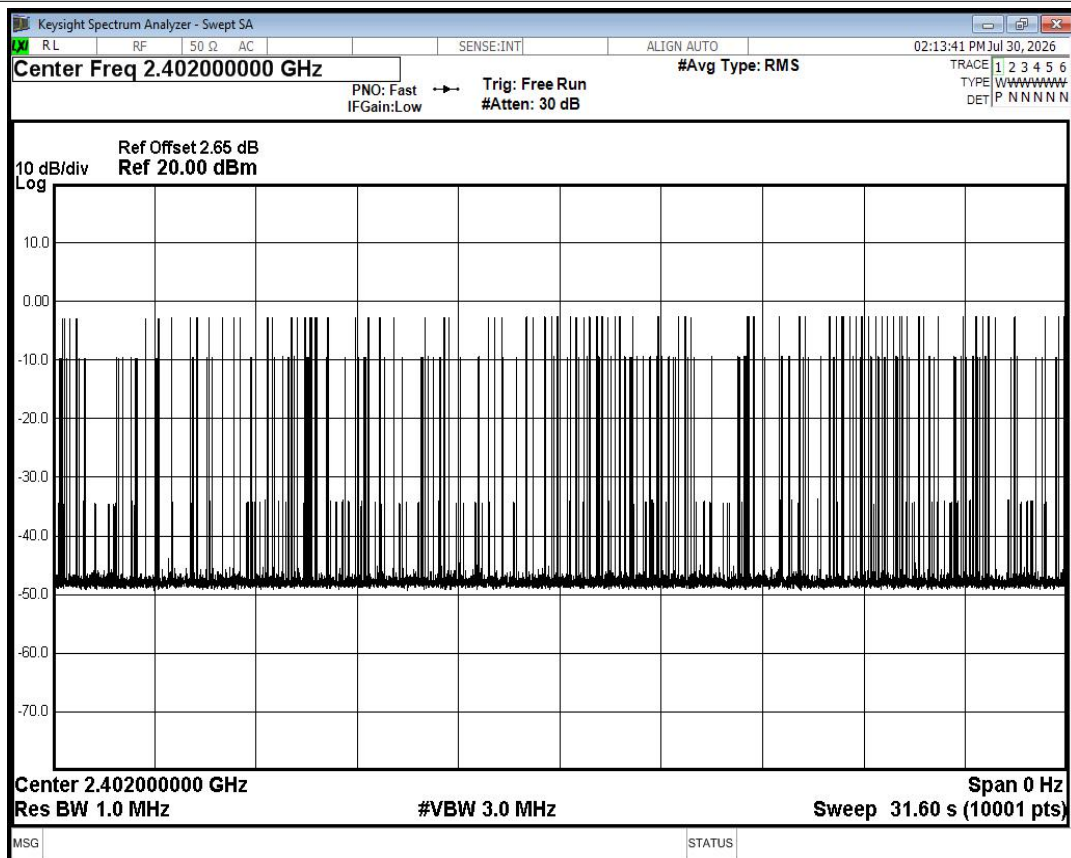
Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2402MHz Ant1 One Burst

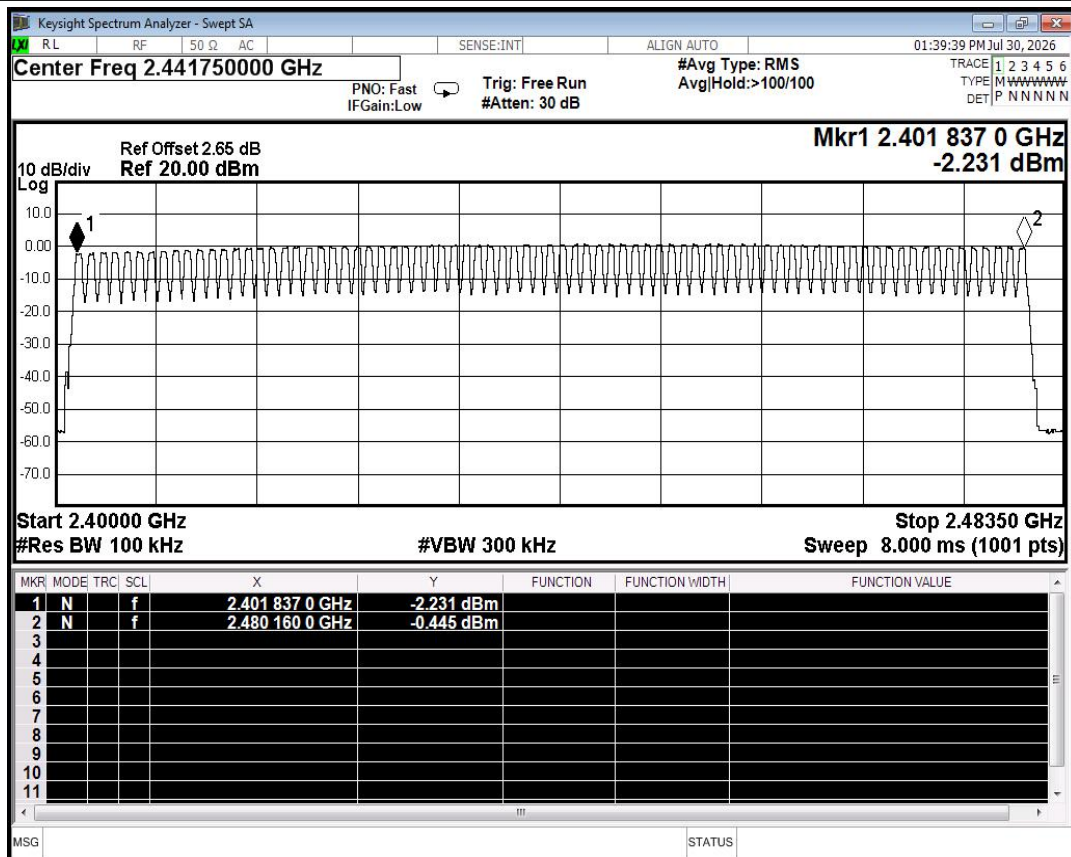


Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated

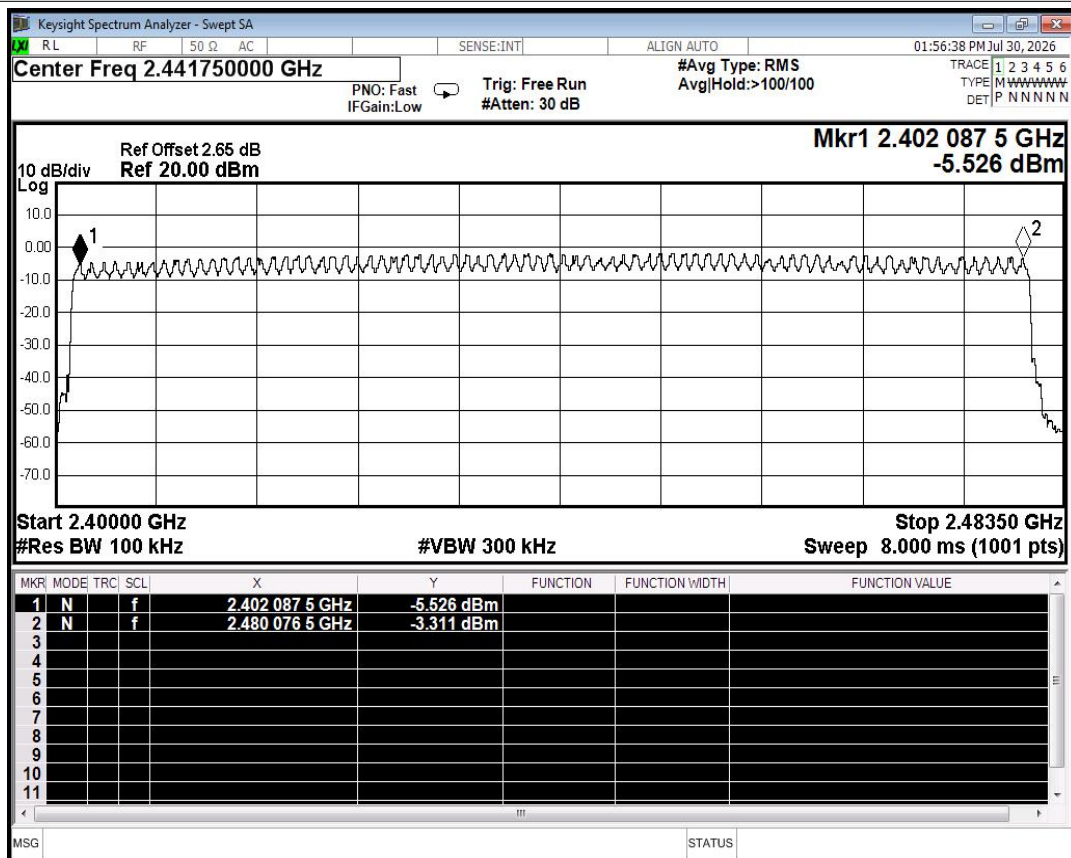


A.5 Number of Hopping Channel

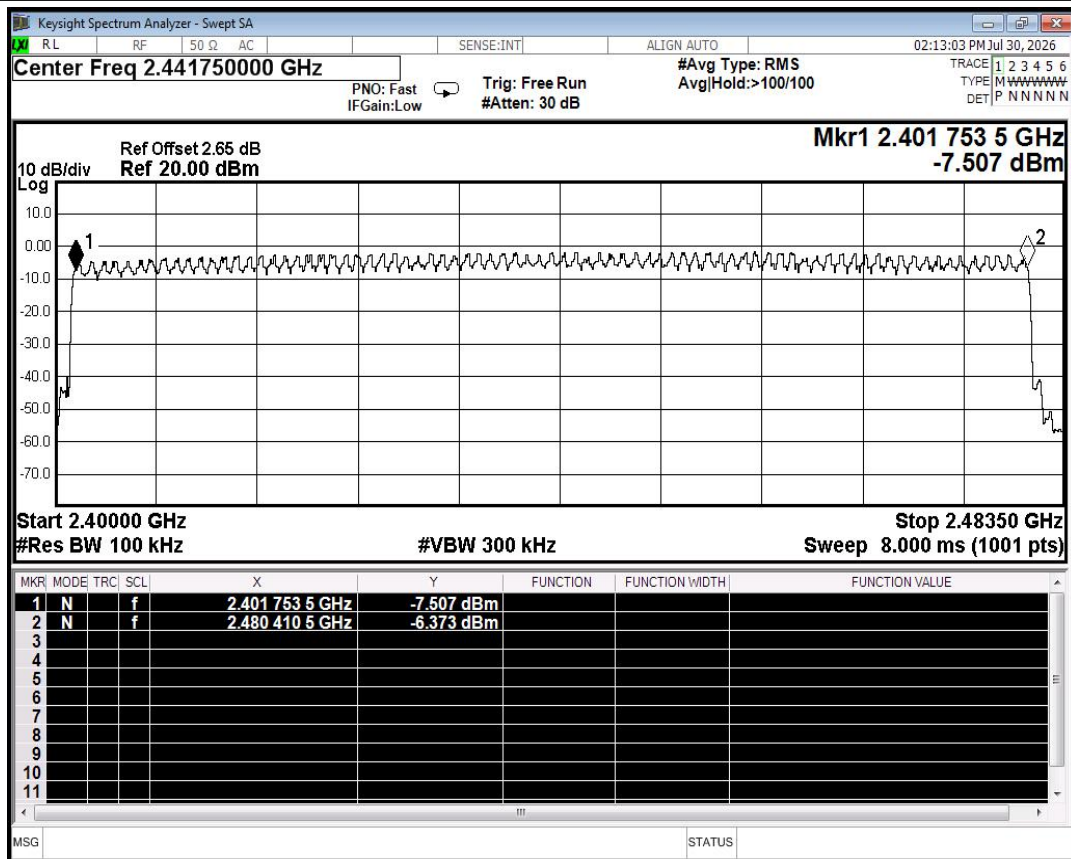
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1

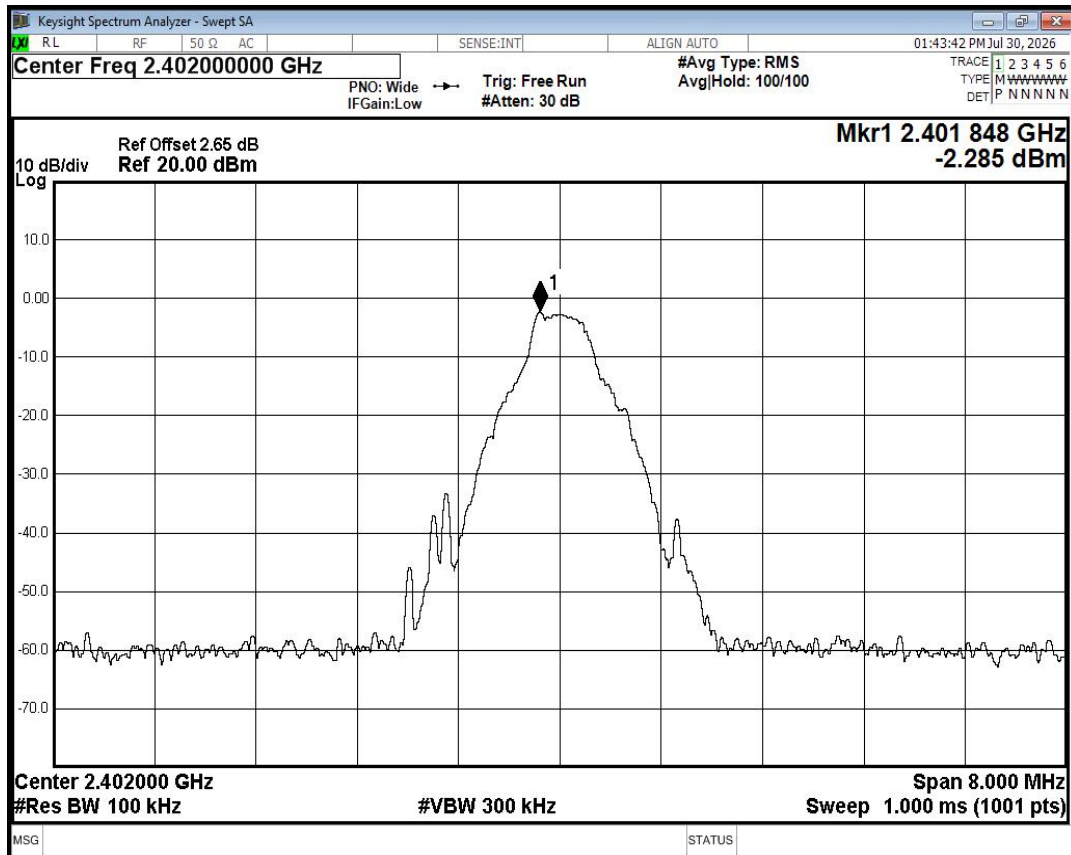


Hopping No. NVNT 3-DH5 2402MHz Ant1

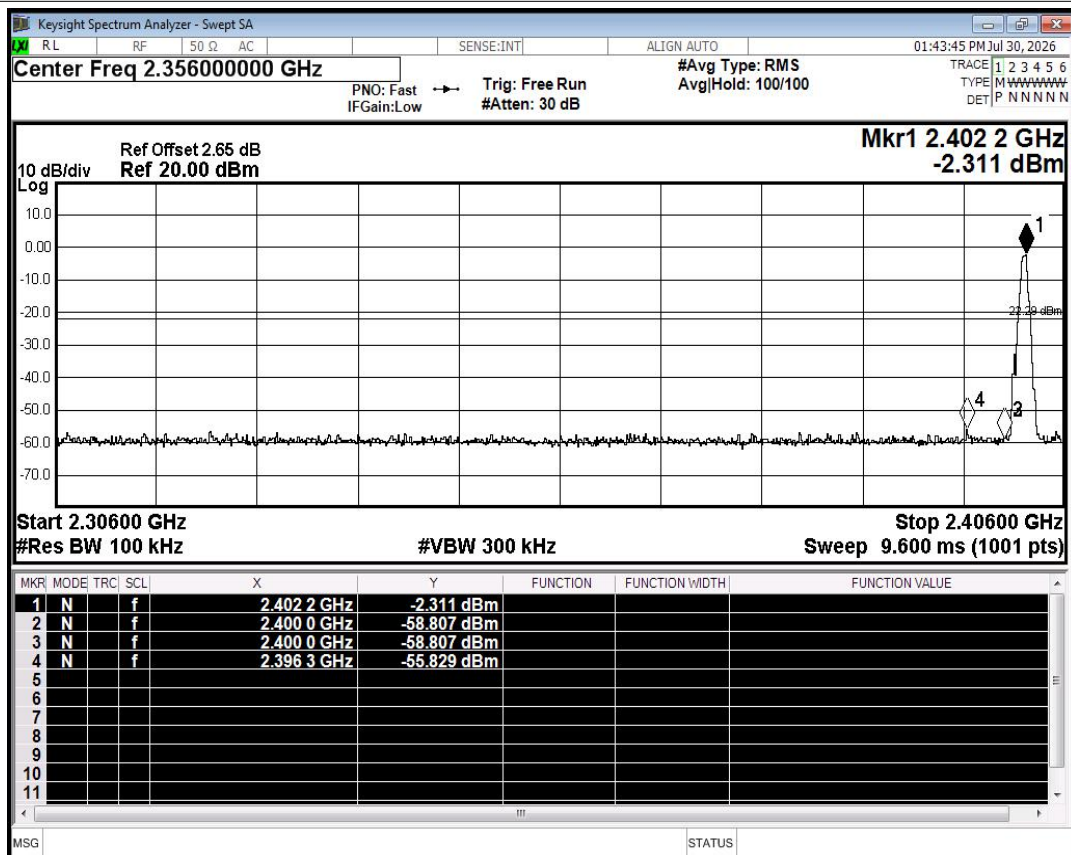


A.6 Band Edge

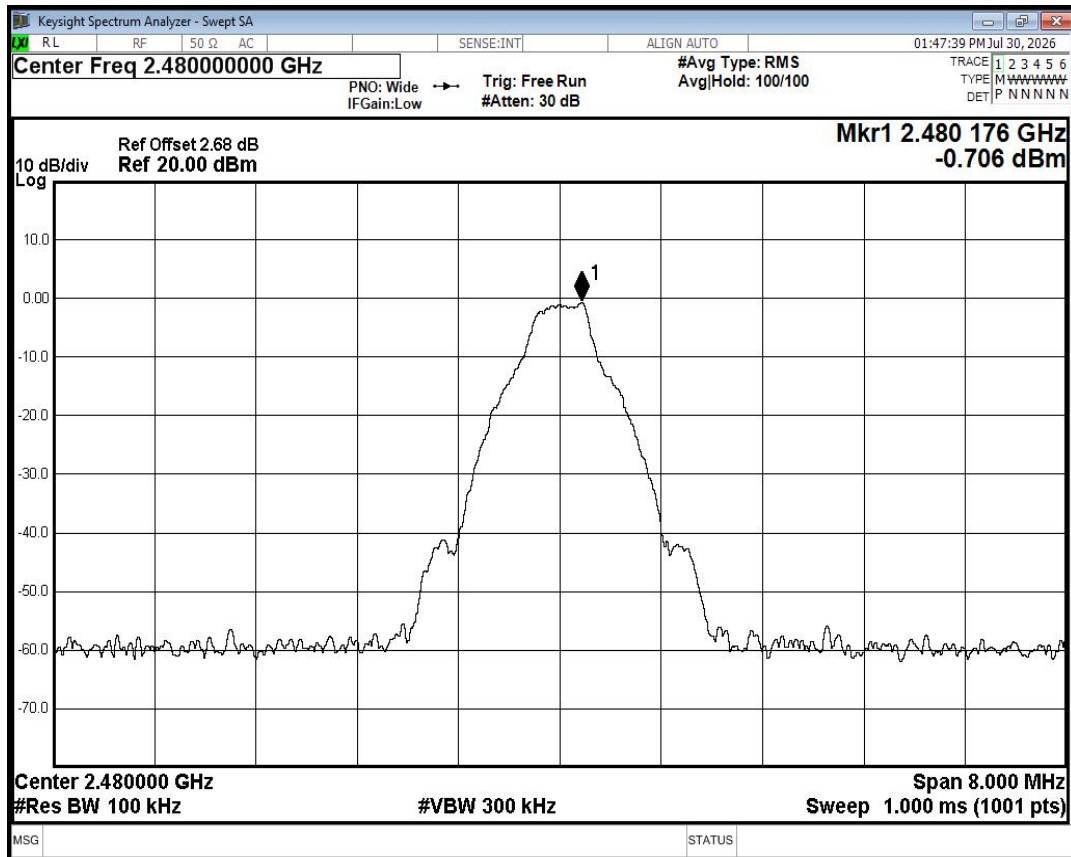
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-53.54	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-56.36	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-50.11	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-52.76	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-48.44	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-53.57	-20	Pass



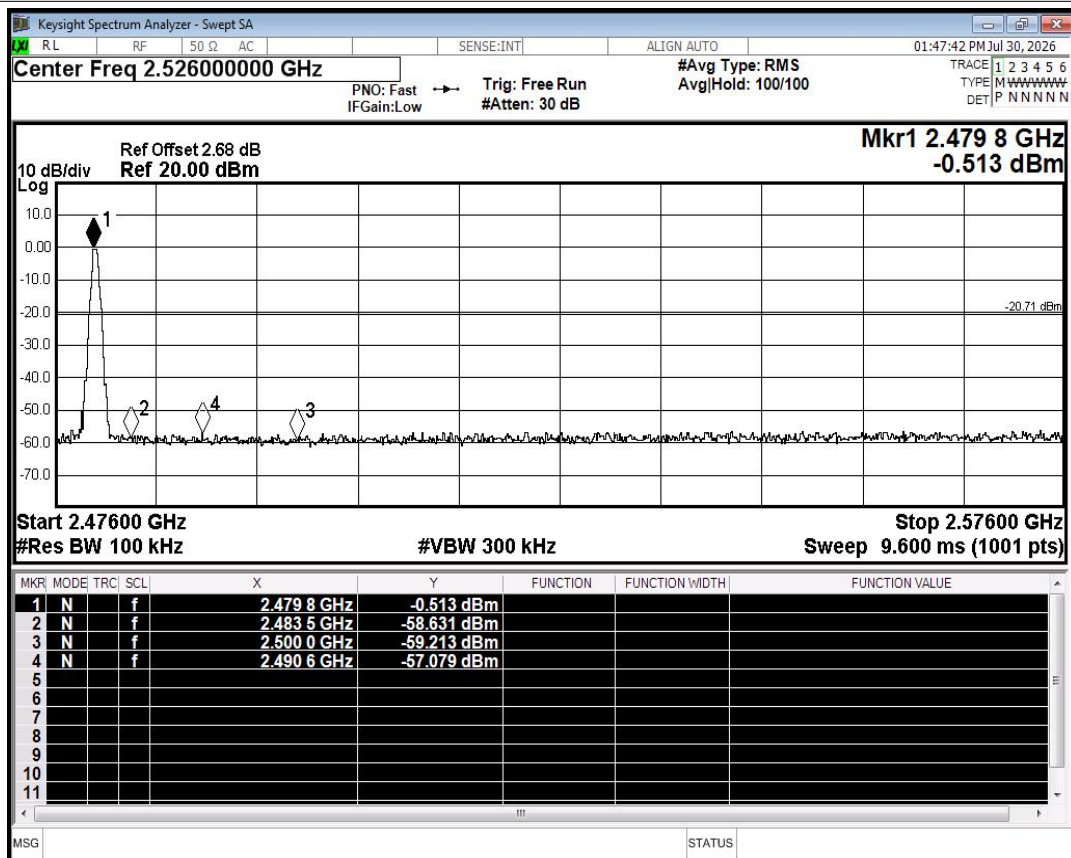
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



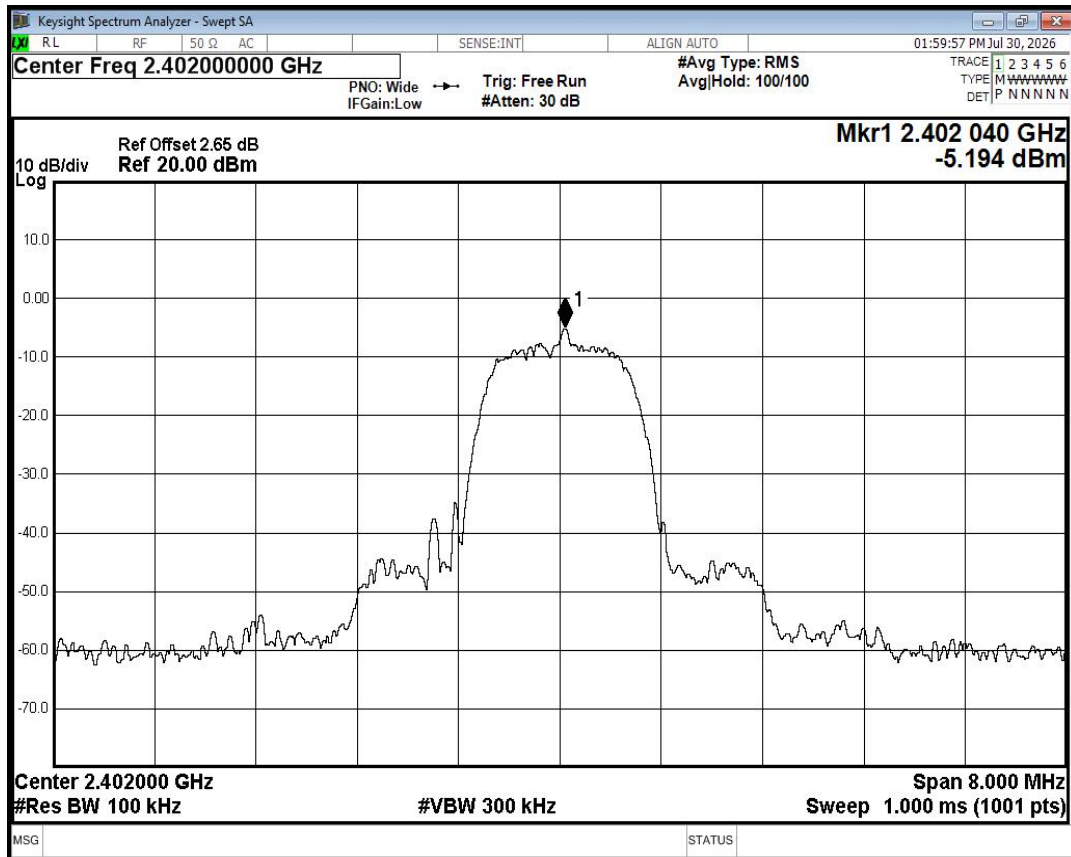
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



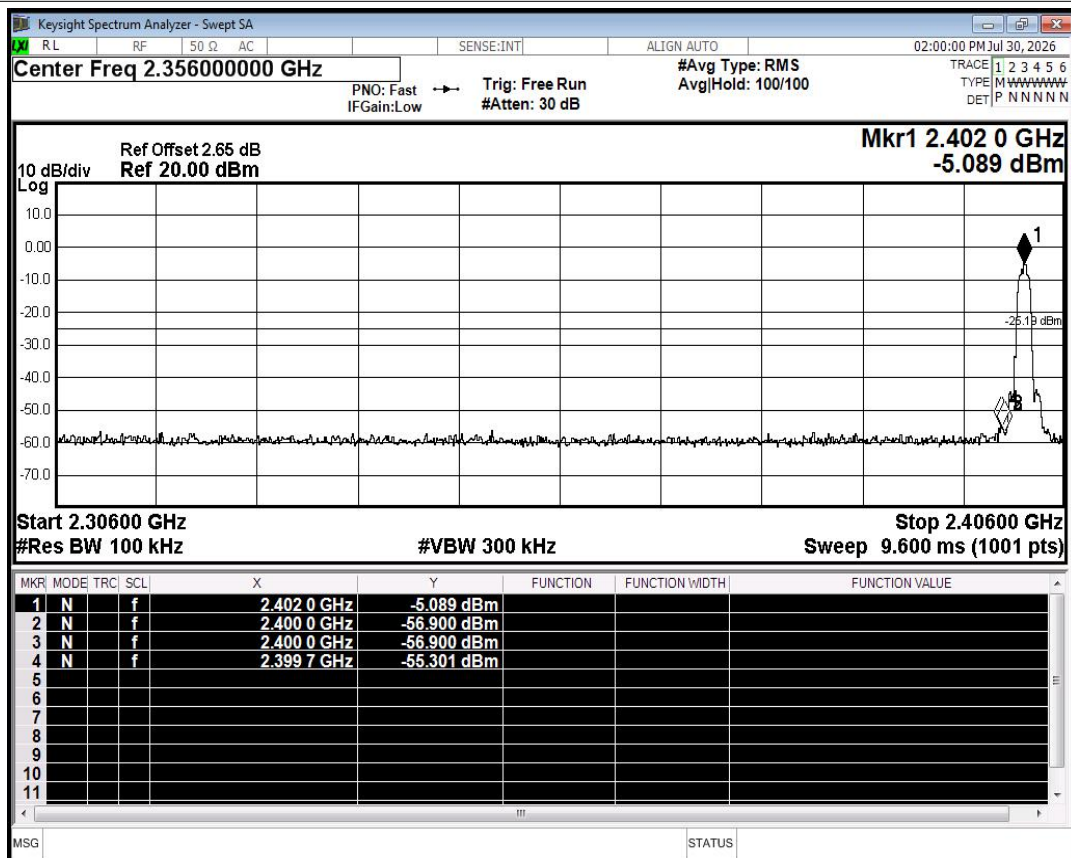
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



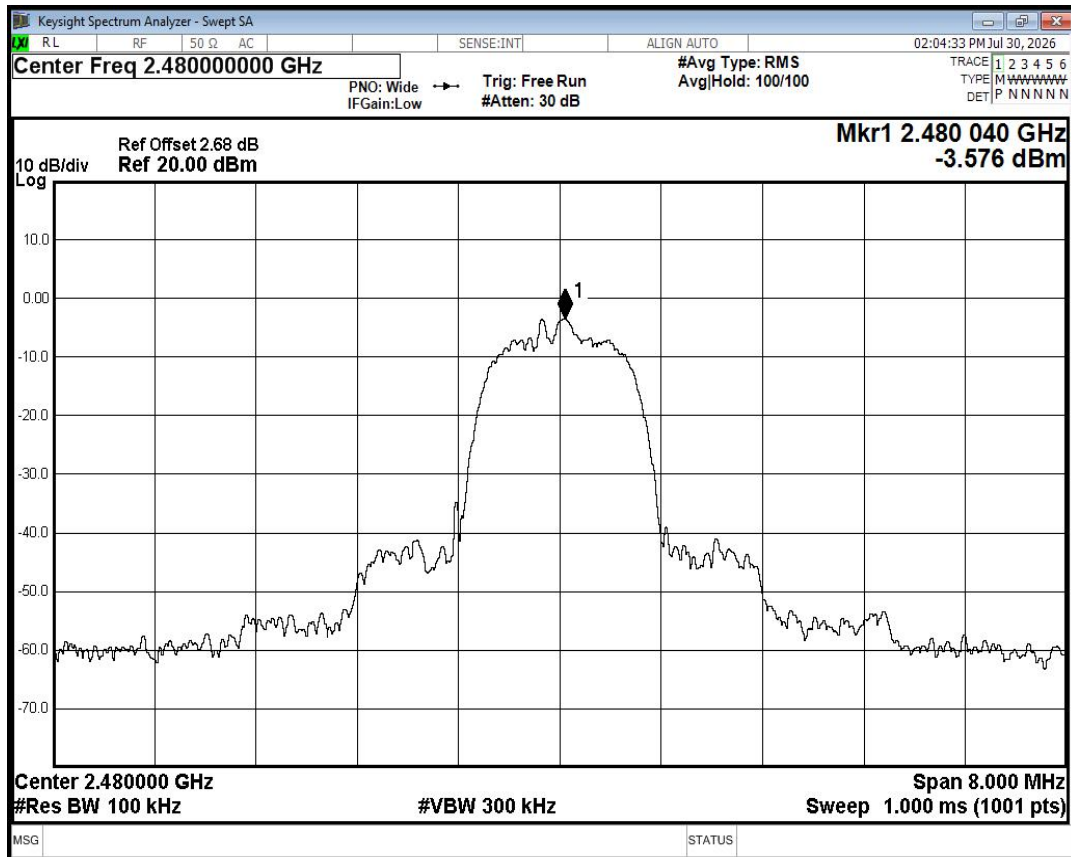
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



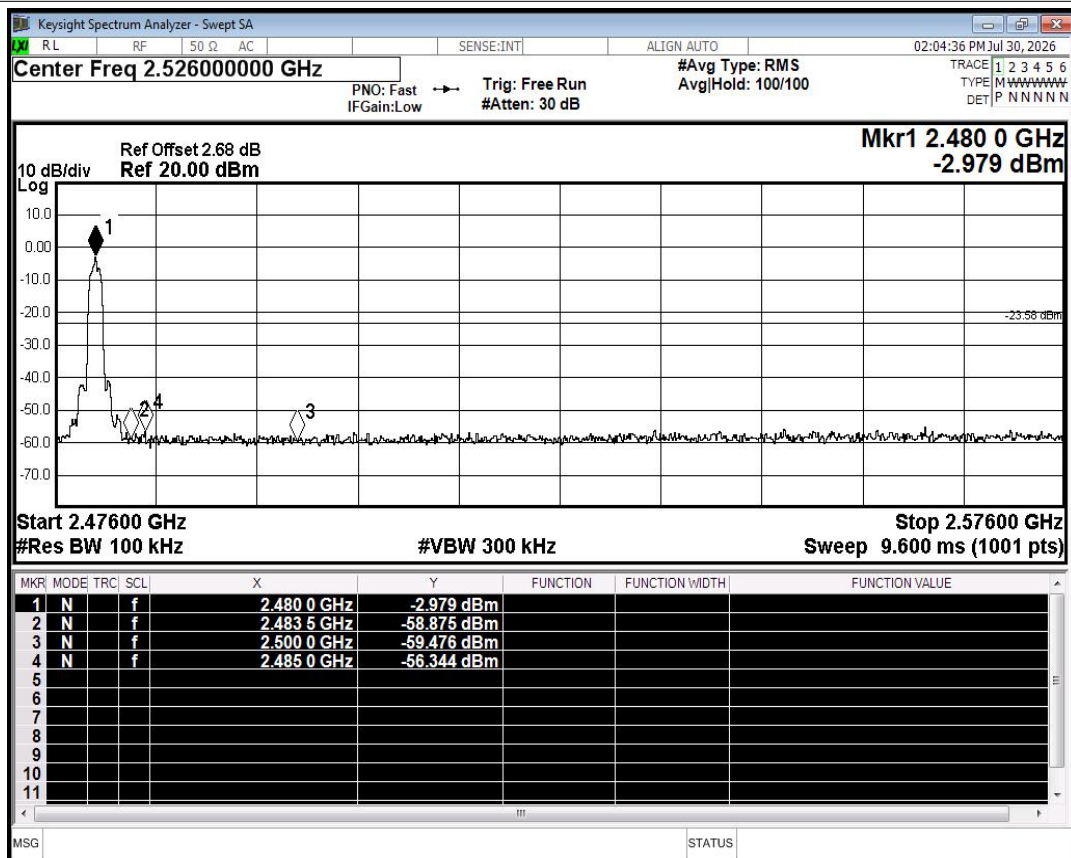
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



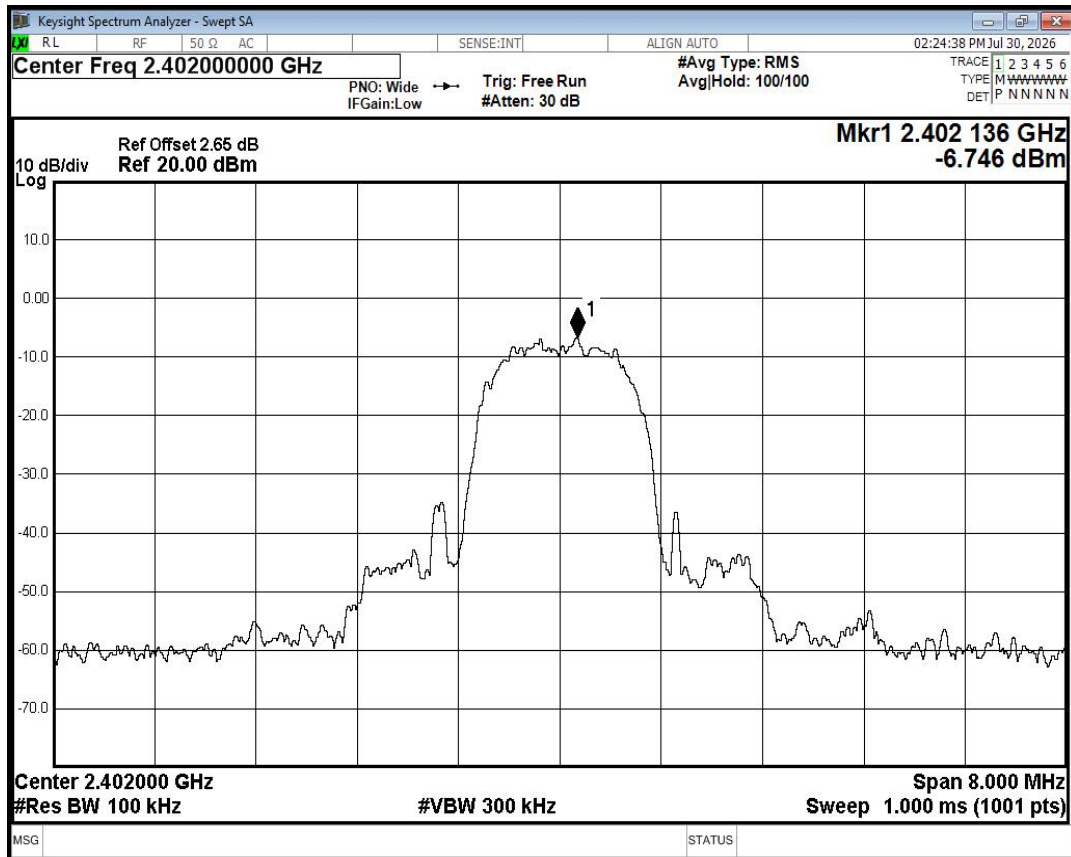
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



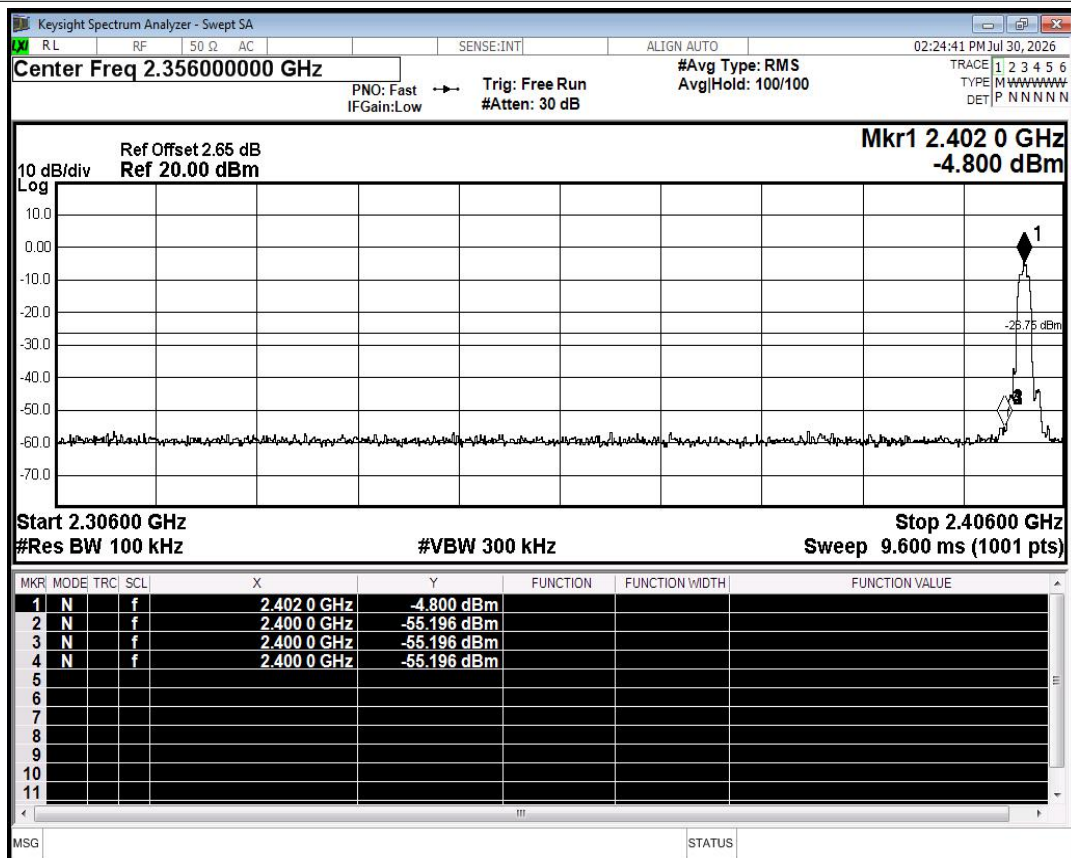
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



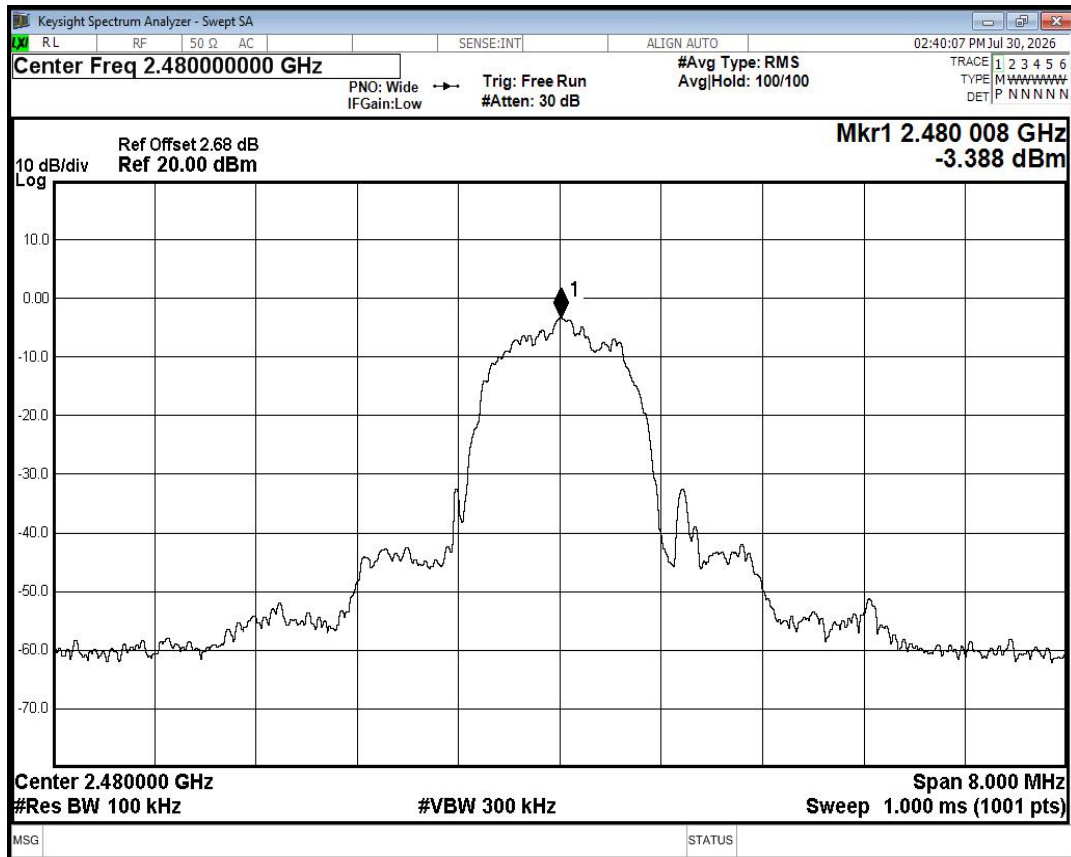
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



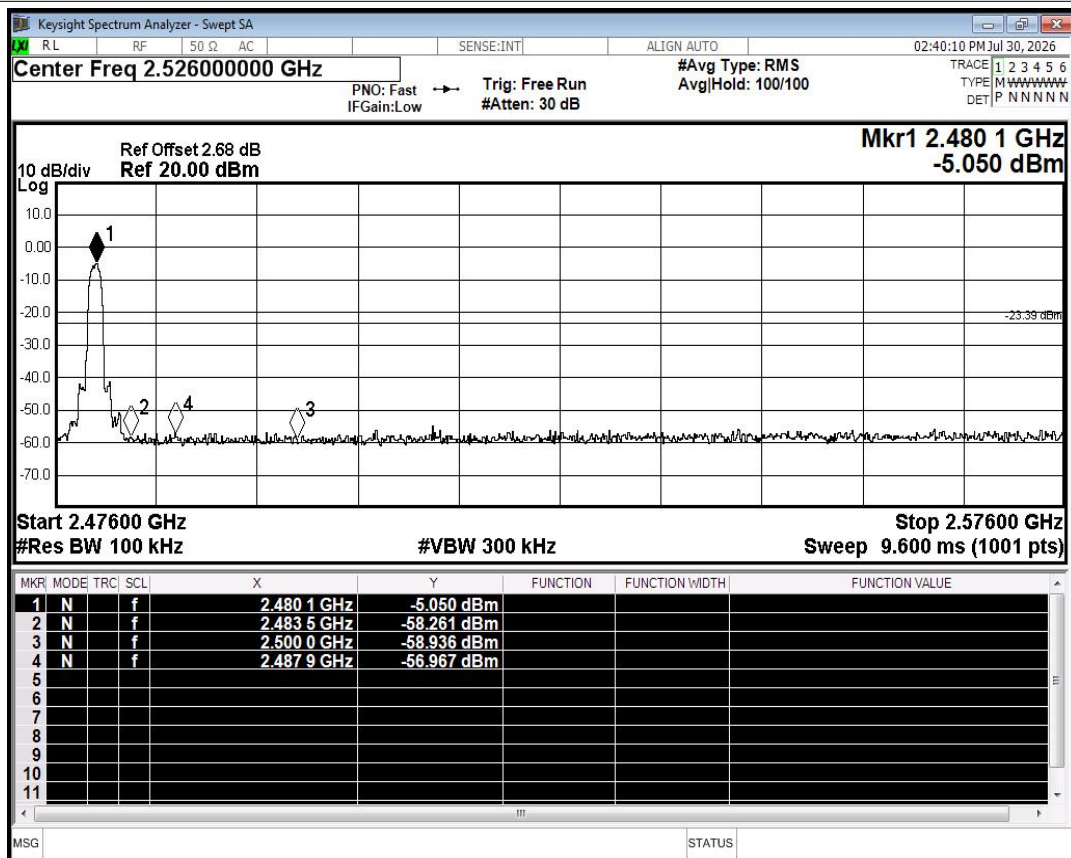
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



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



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

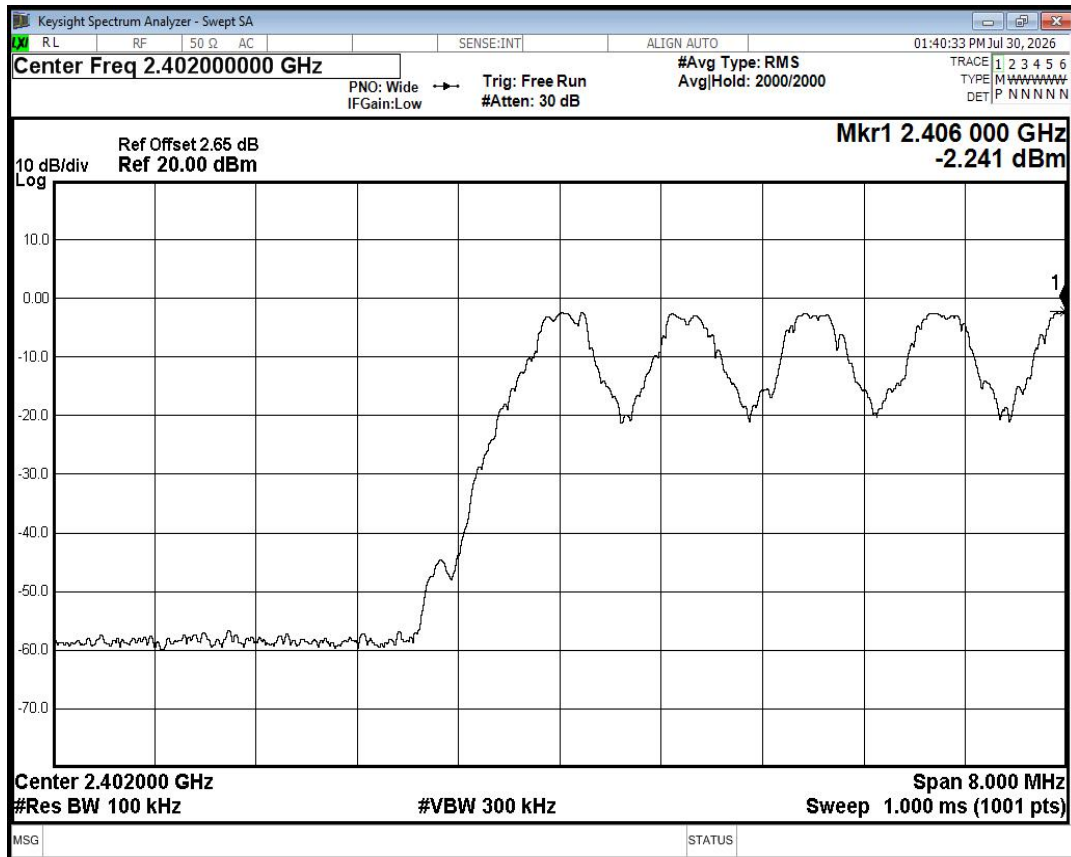


Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission

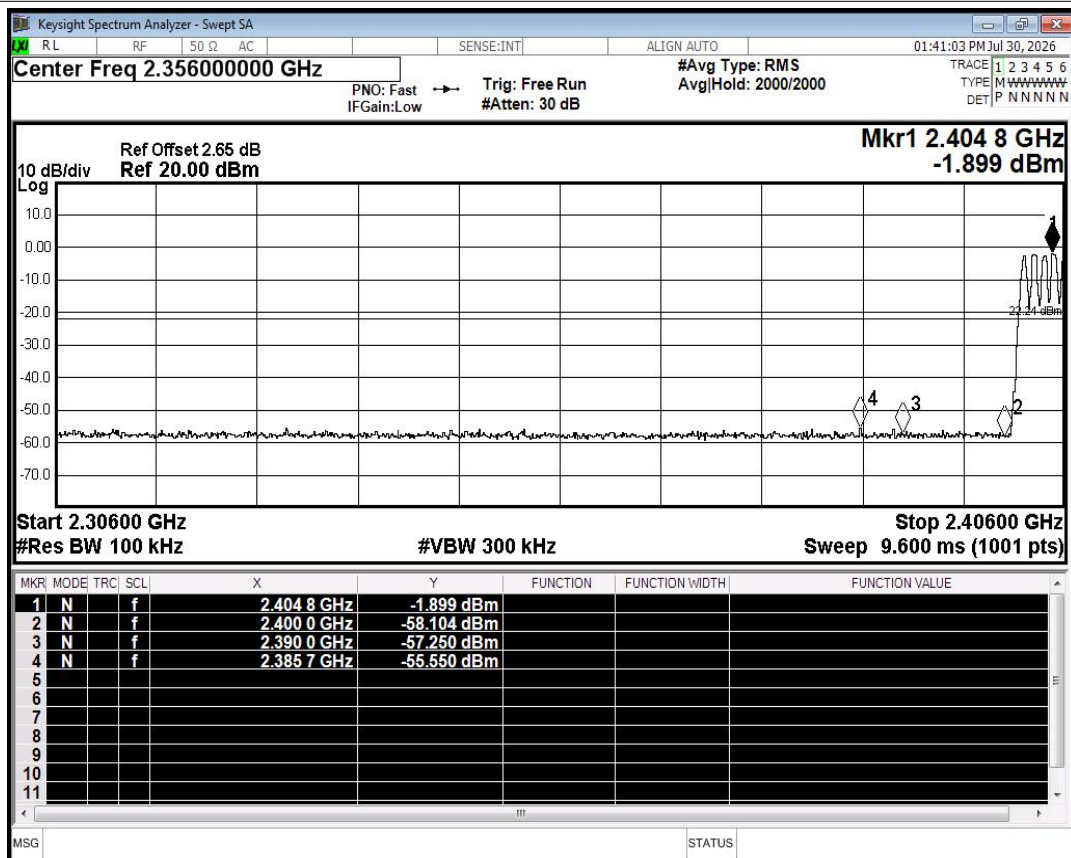


(Hopping)

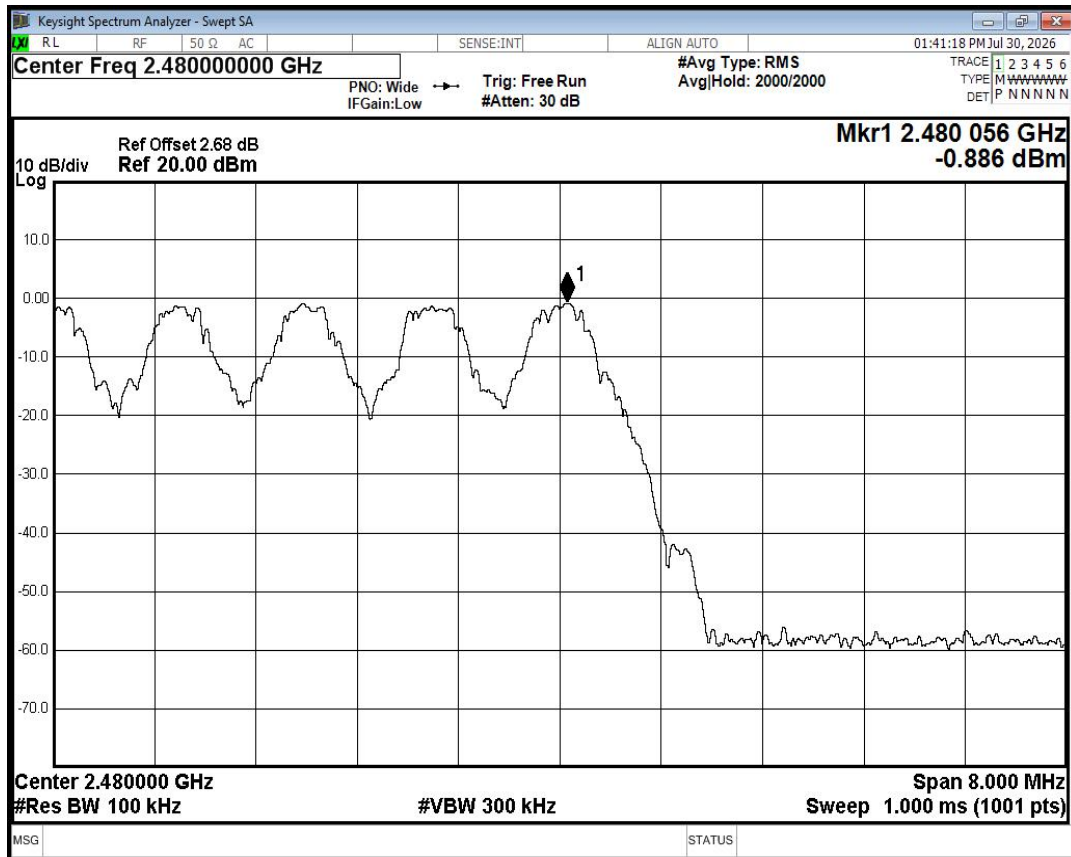
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-53.3	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-55.03	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-48.03	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-52.15	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-50.74	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-51.42	-20	Pass



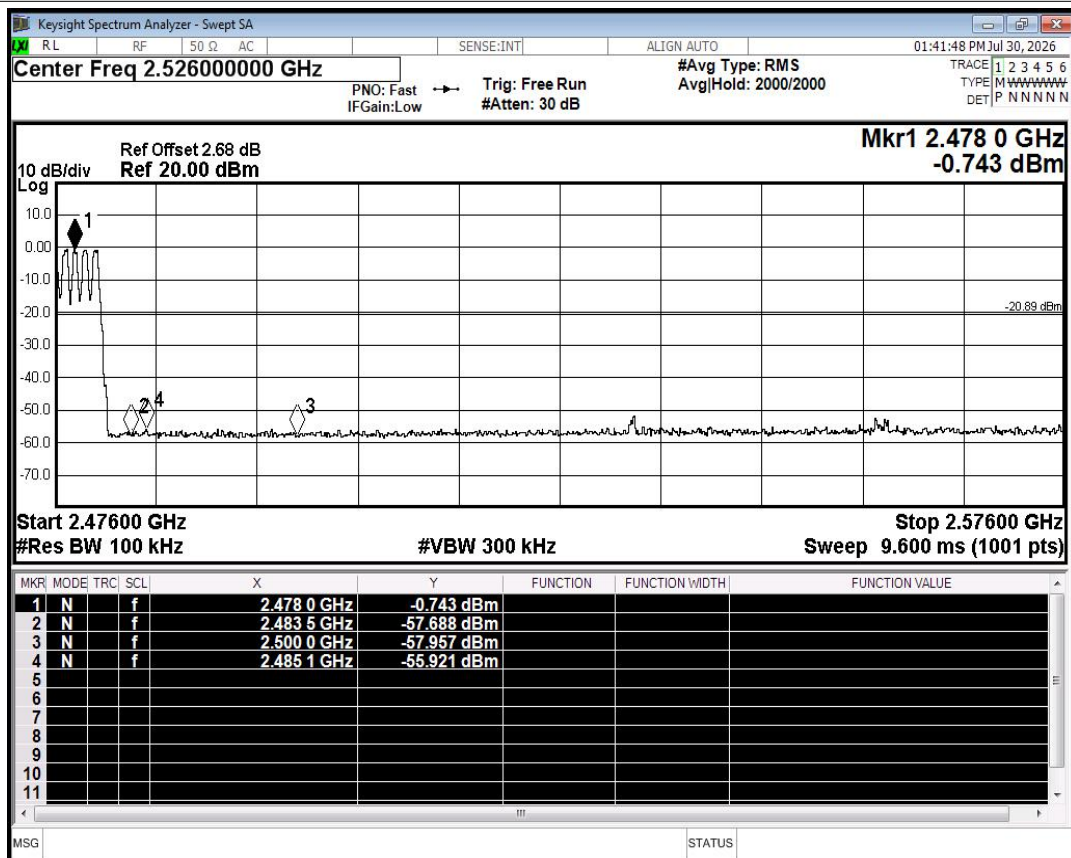
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



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