

RF Test Data for Bluetooth(BDR+EDR) (Conducted Measurements)

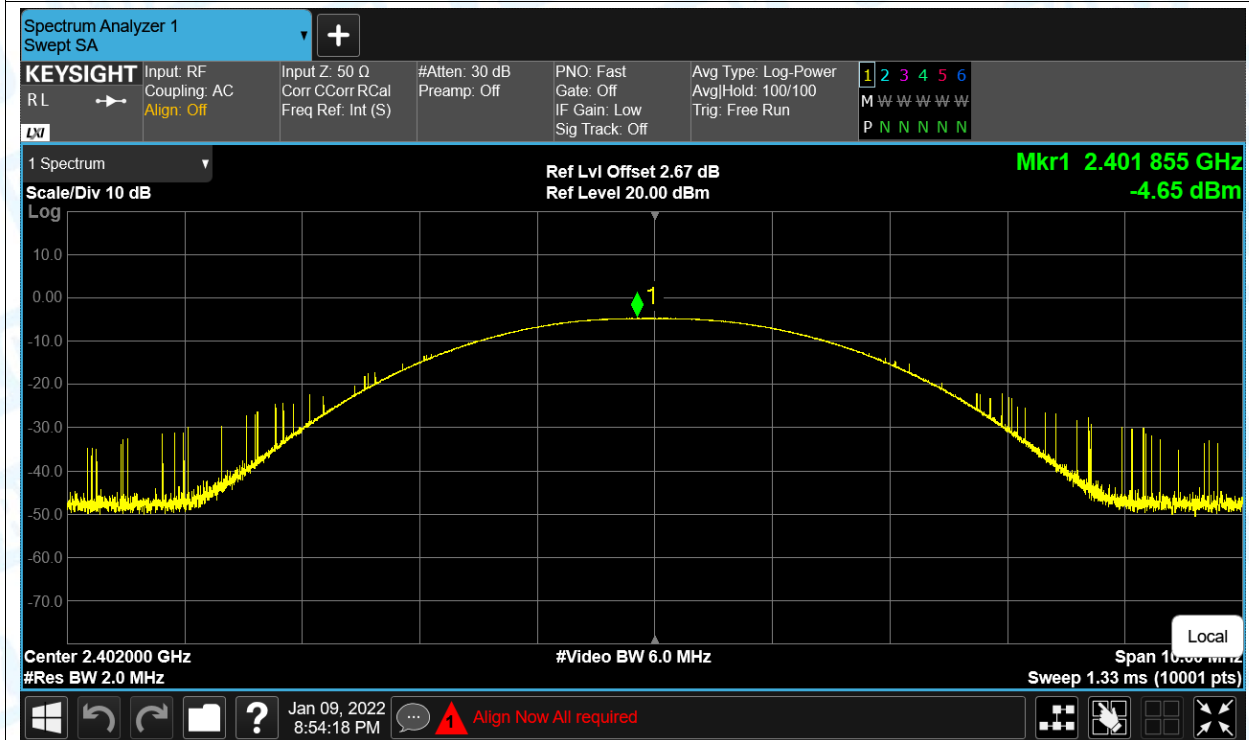
General Description of EUT	
Product Name:	wireless headphone
Test Model:	MI04
Sample ID:	20211229-07-2#
Environmental Conditions	
Temperature:	24℃
Relative Humidity:	50%
Test Voltage:	DC3.7V
Test Engineer:	Hejingchang
Note: For a more detailed features description, please refer to the report TB-RF185929	

Maximum Conducted Output Power

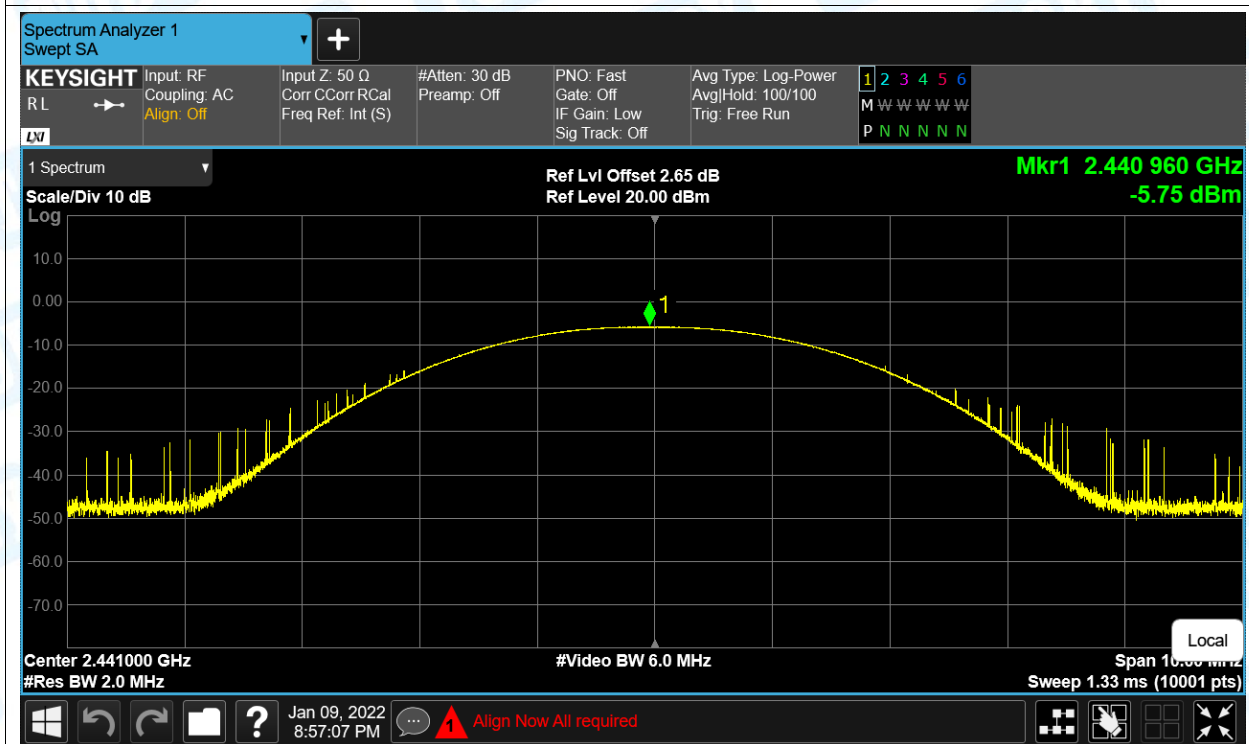
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	-4.65	0	-4.65	21	Pass
NVNT	1-DH1	2441	Ant1	-5.755	0	-5.755	21	Pass
NVNT	1-DH1	2480	Ant1	-5.972	0	-5.972	21	Pass
NVNT	2-DH1	2402	Ant1	-2.436	0	-2.436	21	Pass
NVNT	2-DH1	2441	Ant1	-3.414	0	-3.414	21	Pass
NVNT	2-DH1	2480	Ant1	-3.712	0	-3.712	21	Pass
NVNT	3-DH1	2402	Ant1	-2.203	0	-2.203	21	Pass
NVNT	3-DH1	2441	Ant1	-3.288	0	-3.288	21	Pass
NVNT	3-DH1	2480	Ant1	-3.253	0	-3.253	21	Pass

Test Graphs

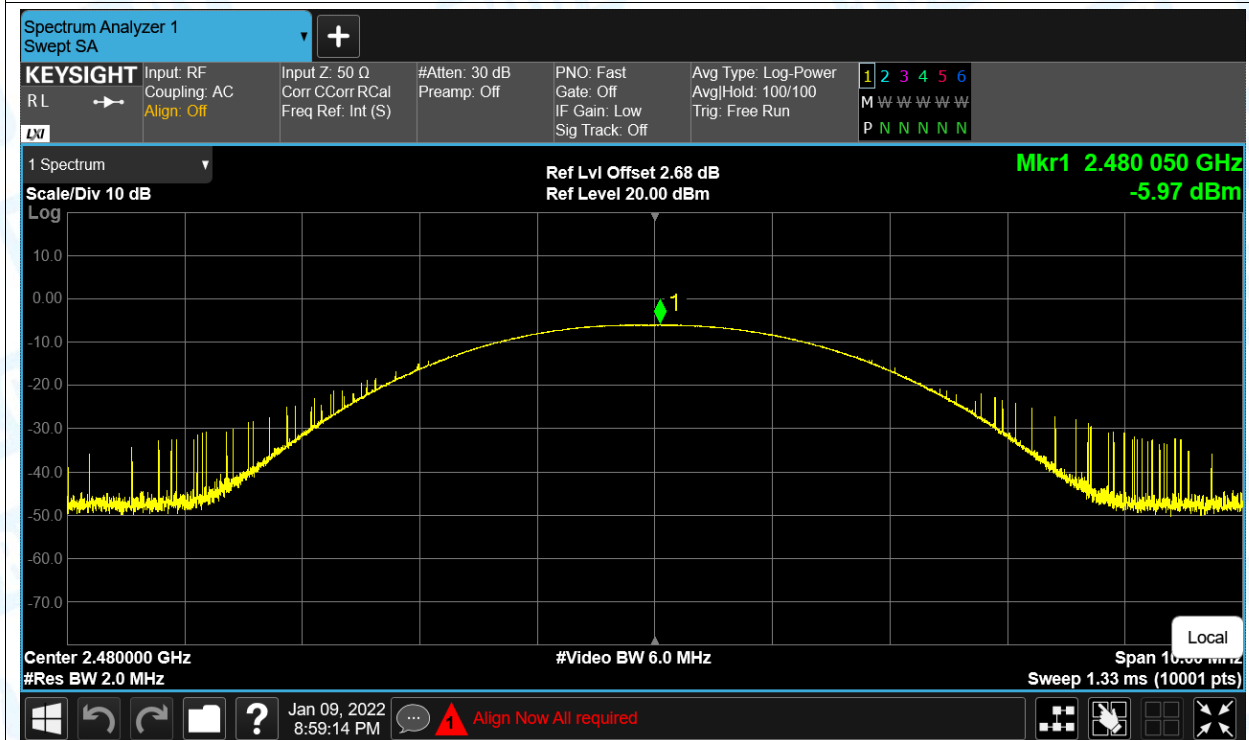
Power NVNT 1-DH1 2402MHz Ant1



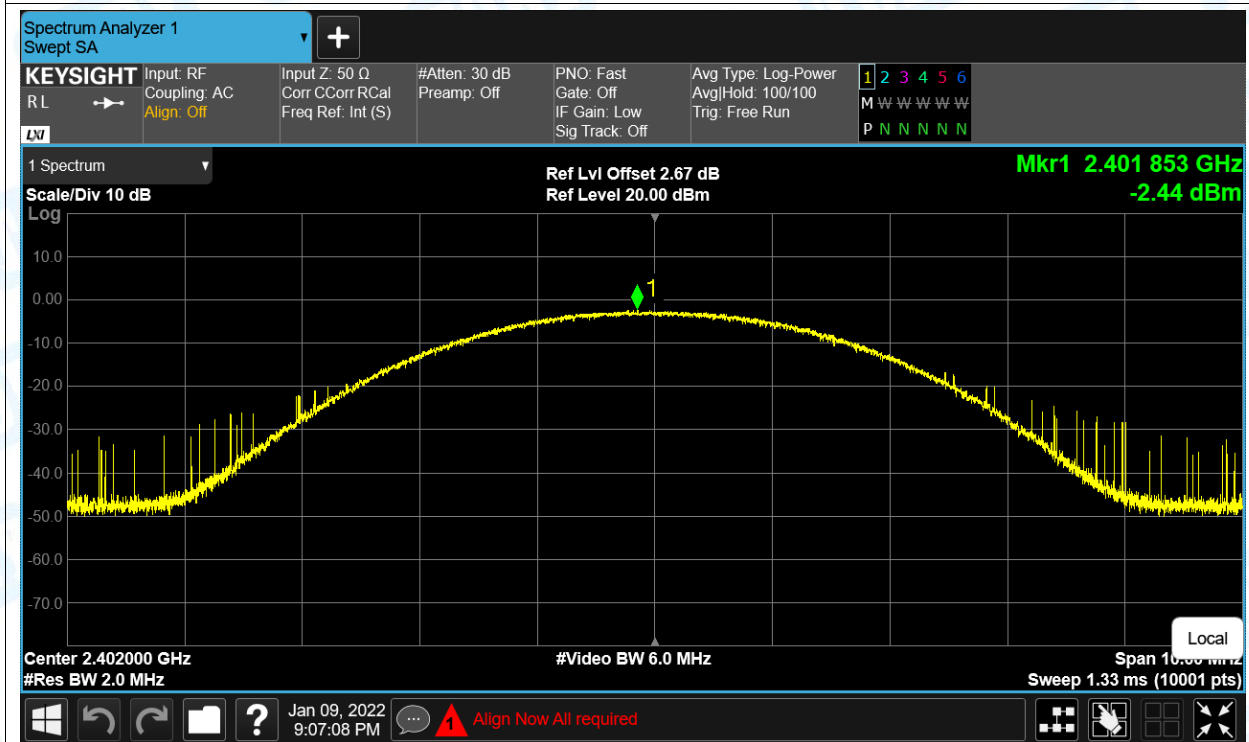
Power NVNT 1-DH1 2441MHz Ant1



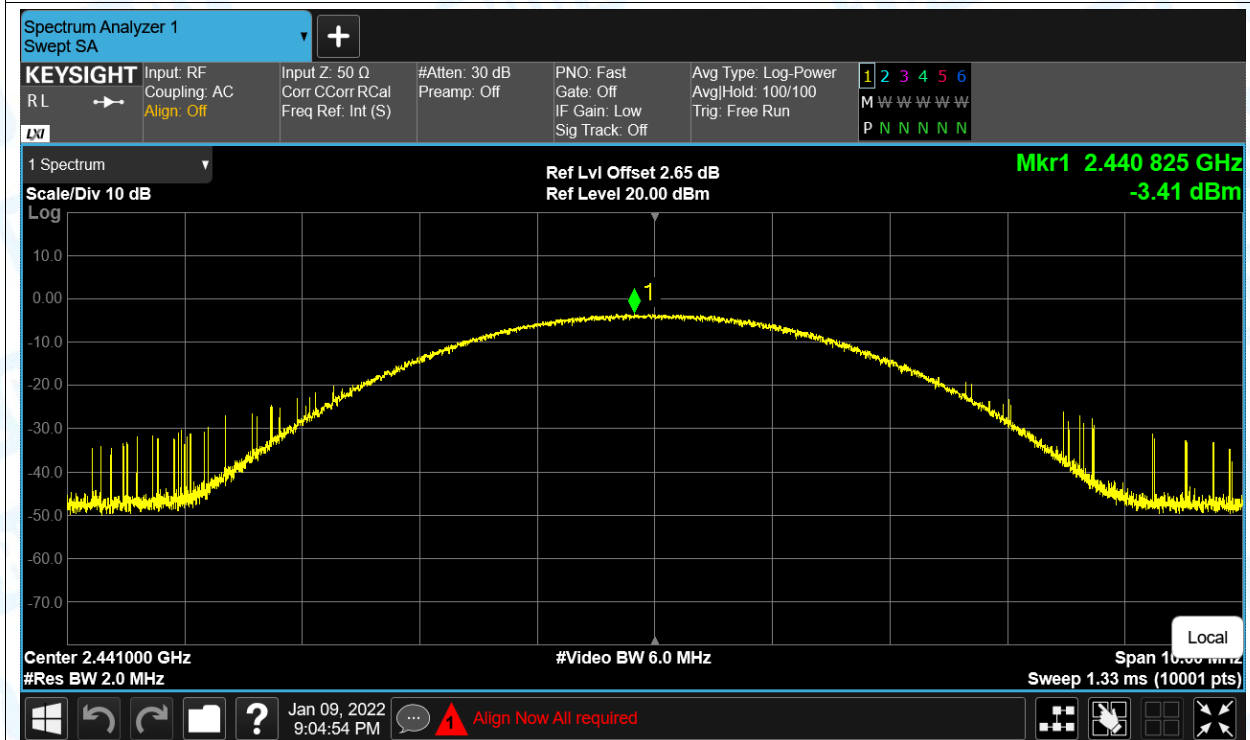
Power NVNT 1-DH1 2480MHz Ant1



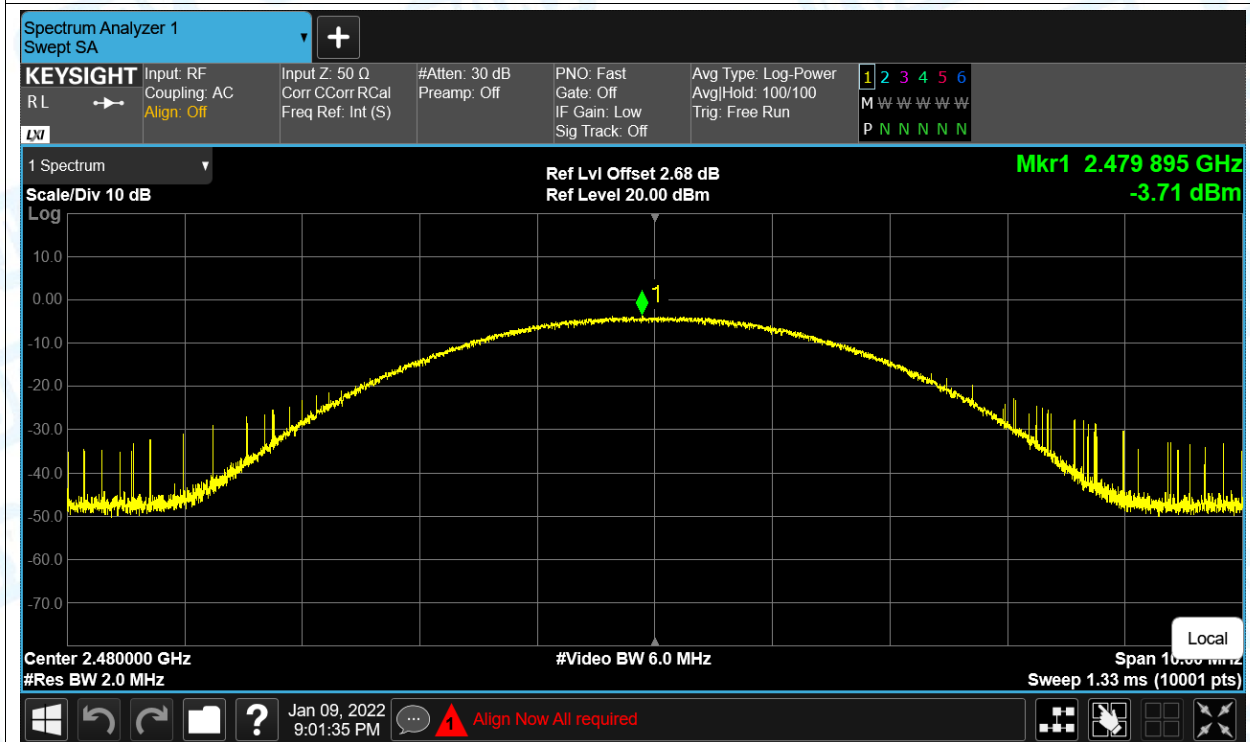
Power NVNT 2-DH1 2402MHz Ant1



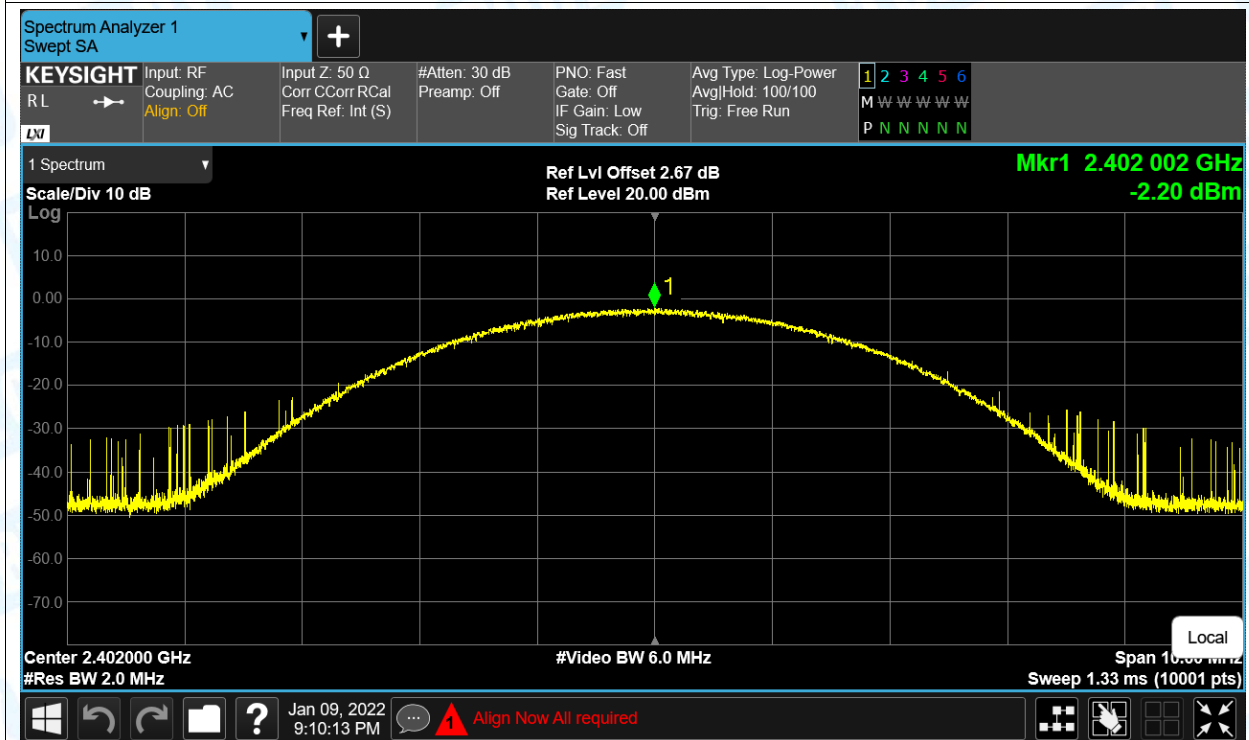
Power NVNT 2-DH1 2441MHz Ant1



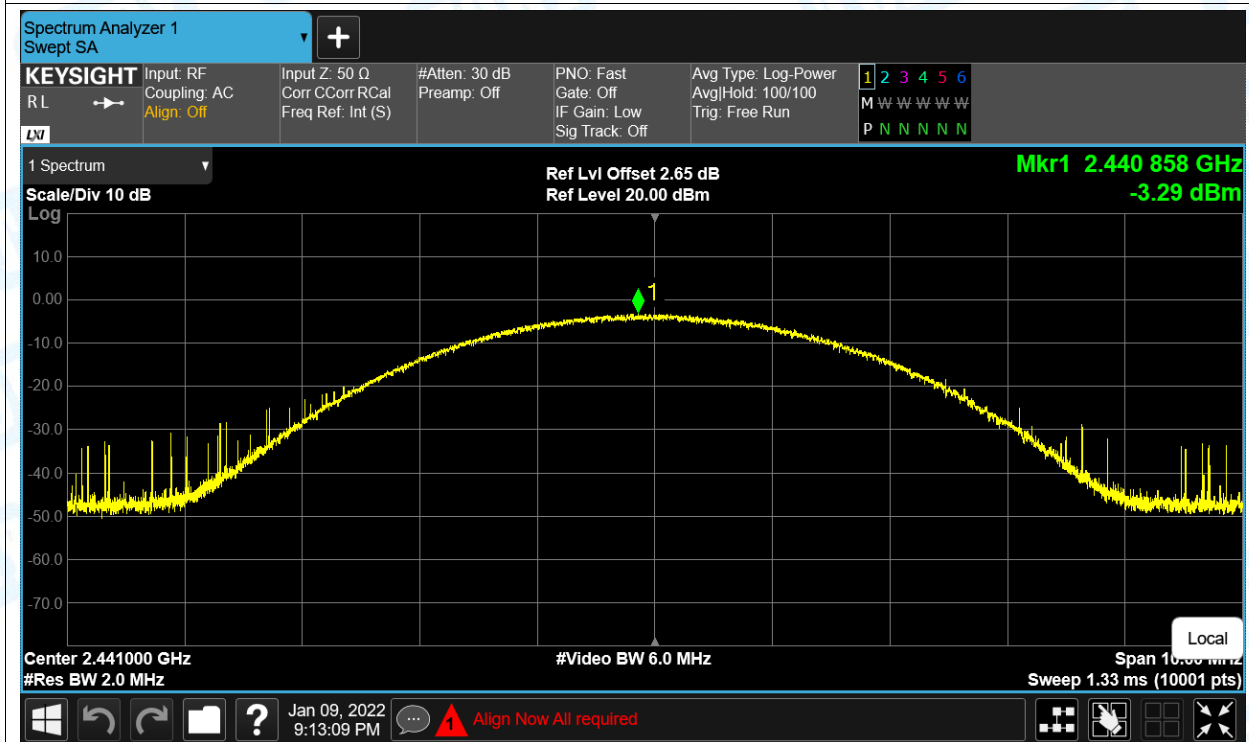
Power NVNT 2-DH1 2480MHz Ant1



Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1





-20dB Bandwidth

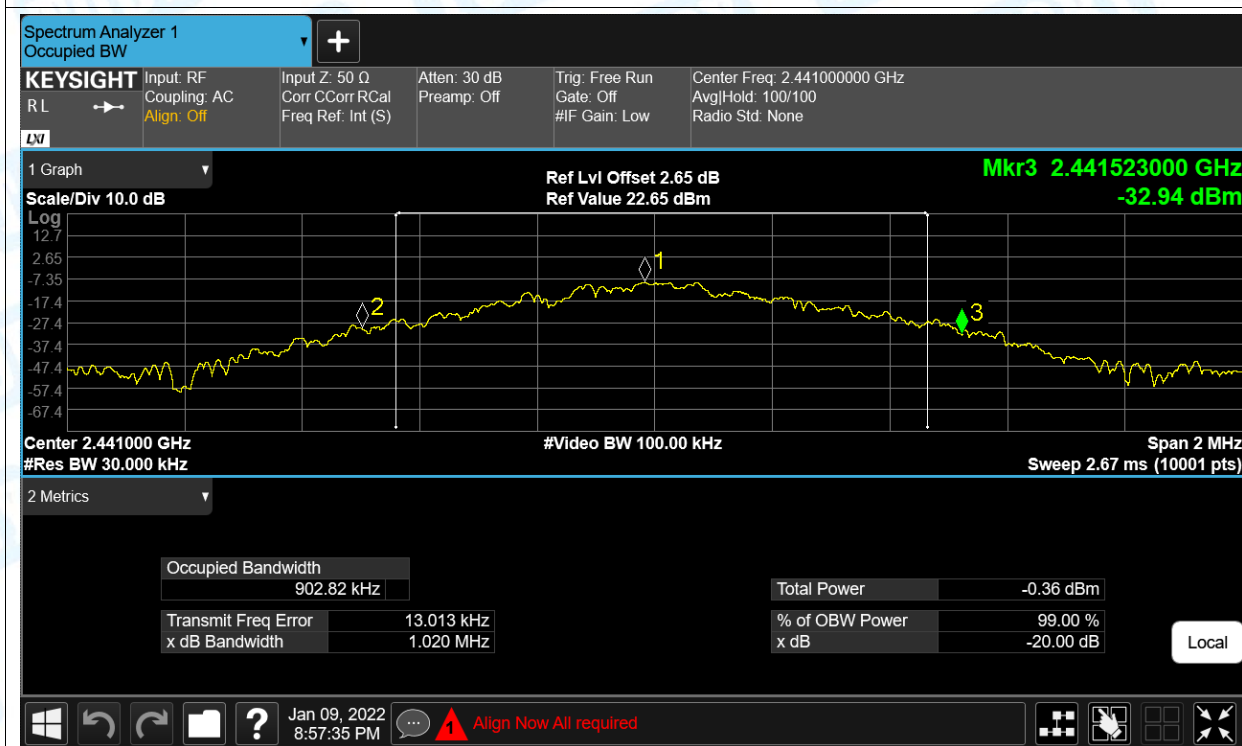
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	2/3 *20dB BW (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	1.02	0.68	Pass
NVNT	1-DH1	2441	Ant1	1.02	0.68	Pass
NVNT	1-DH1	2480	Ant1	1.02	0.68	Pass
NVNT	2-DH1	2402	Ant1	1.35	0.9	Pass
NVNT	2-DH1	2441	Ant1	1.35	0.9	Pass
NVNT	2-DH1	2480	Ant1	1.35	0.9	Pass
NVNT	3-DH1	2402	Ant1	1.34	0.893	Pass
NVNT	3-DH1	2441	Ant1	1.34	0.893	Pass
NVNT	3-DH1	2480	Ant1	1.34	0.893	Pass

Test Graphs

-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



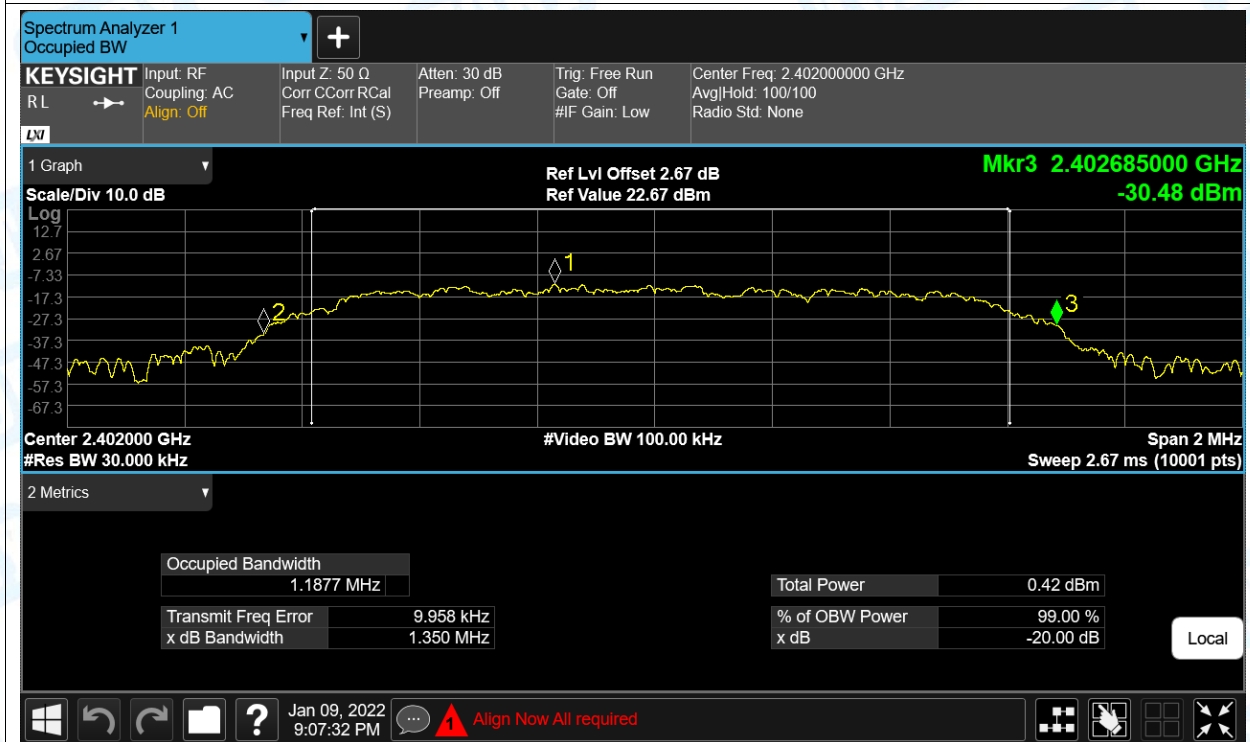
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



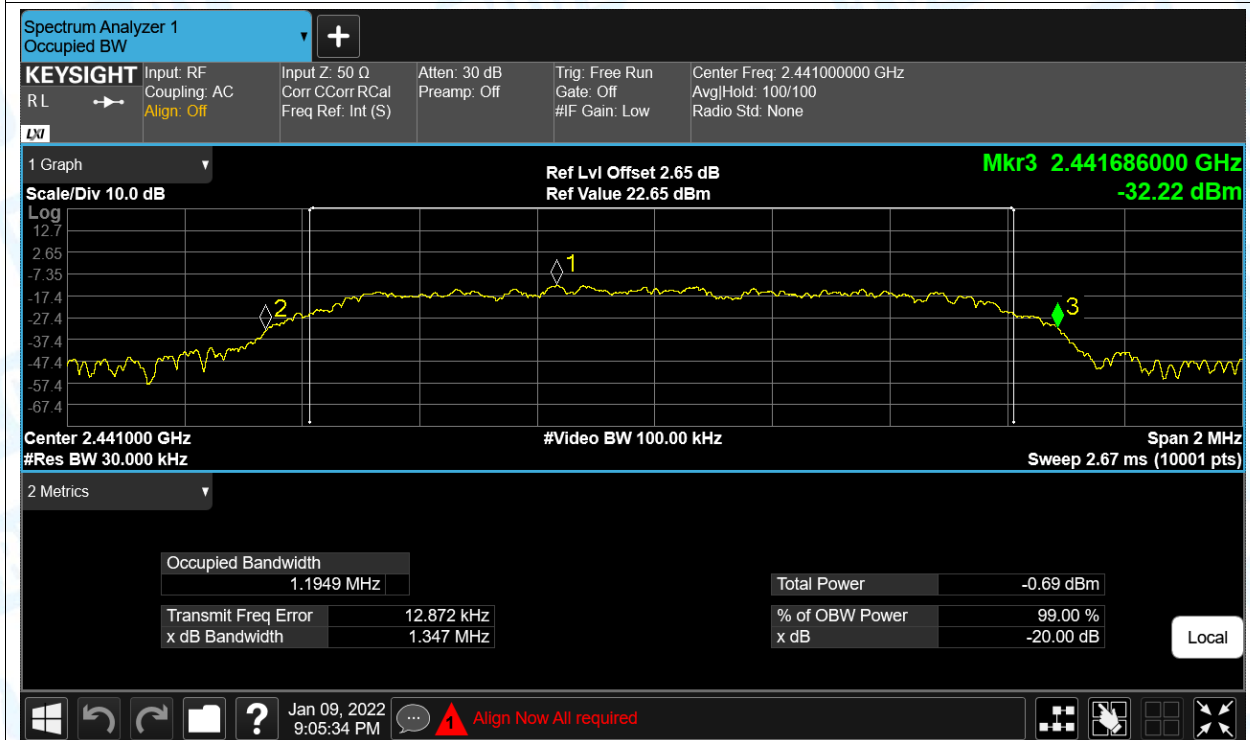
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



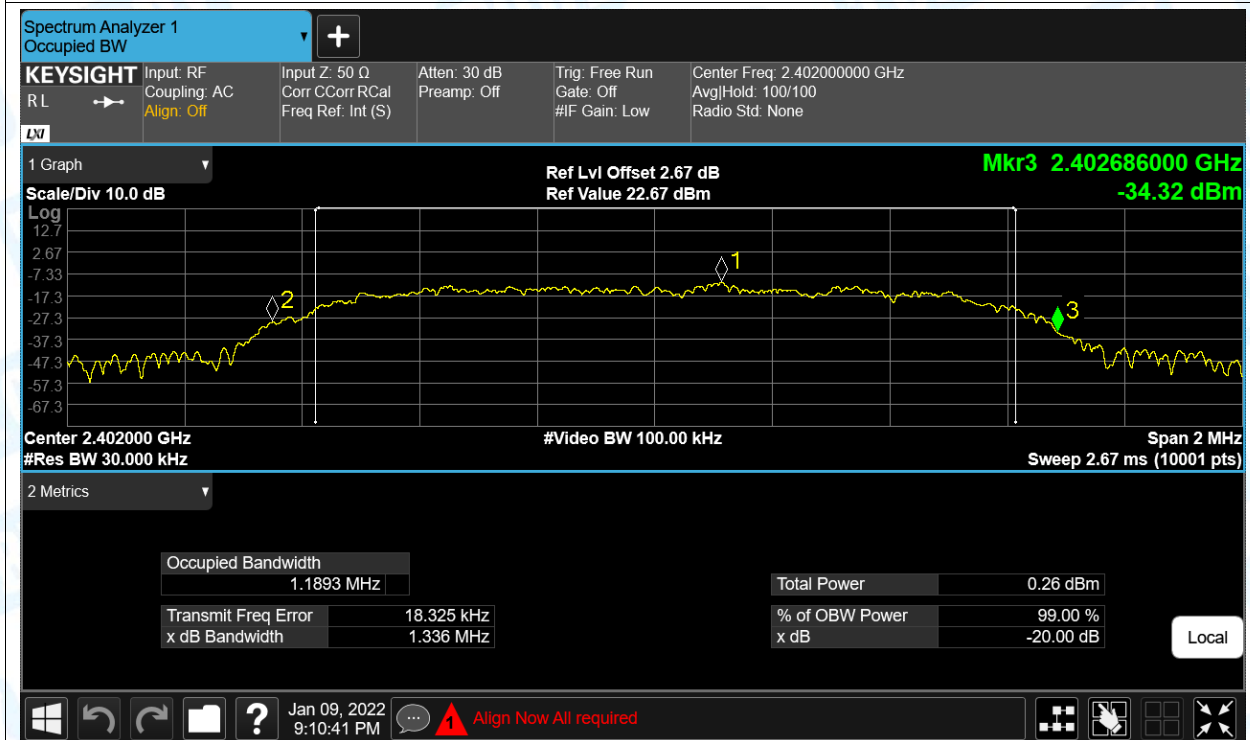
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



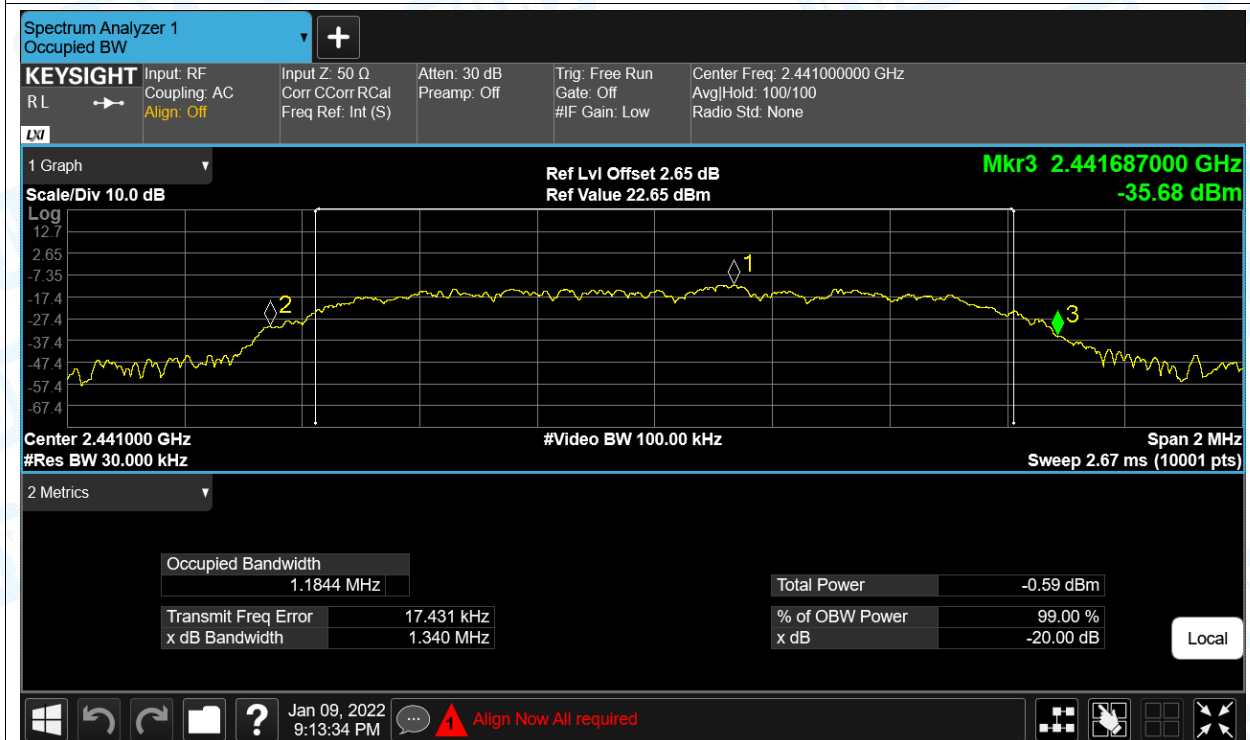
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

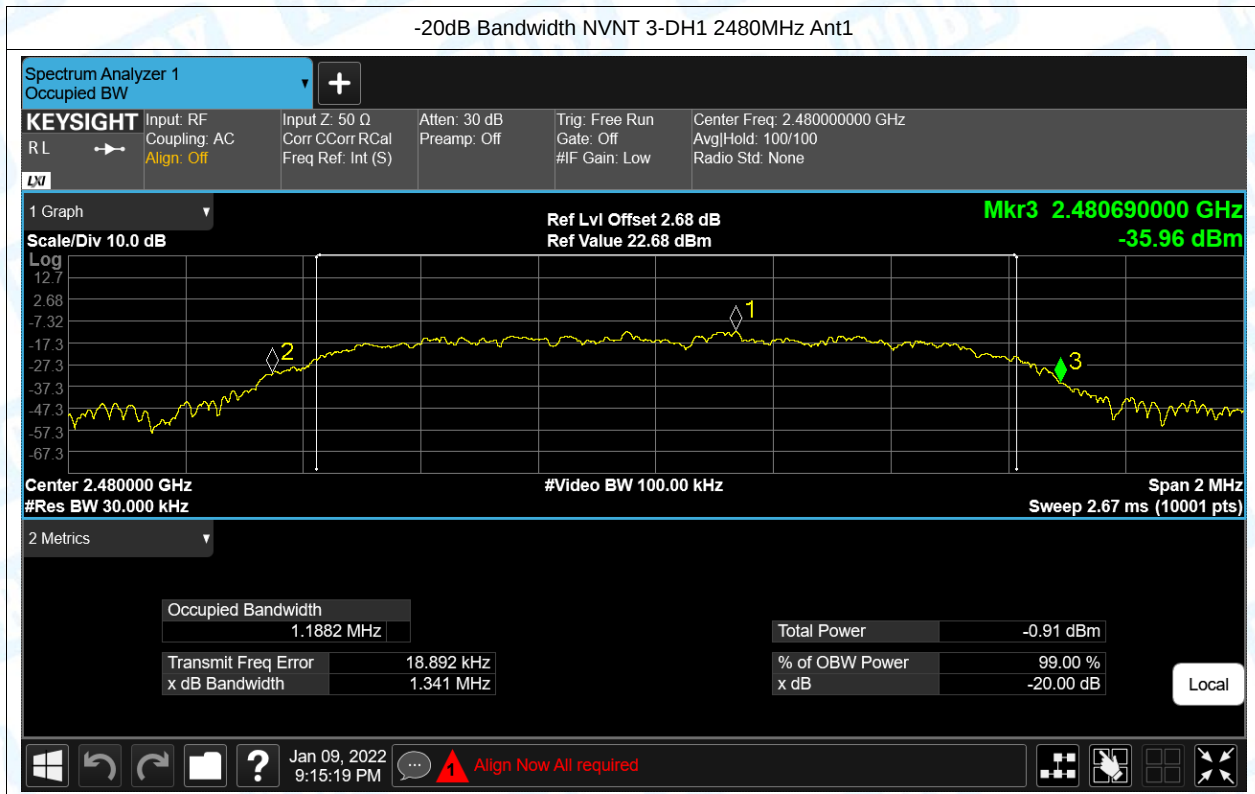


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



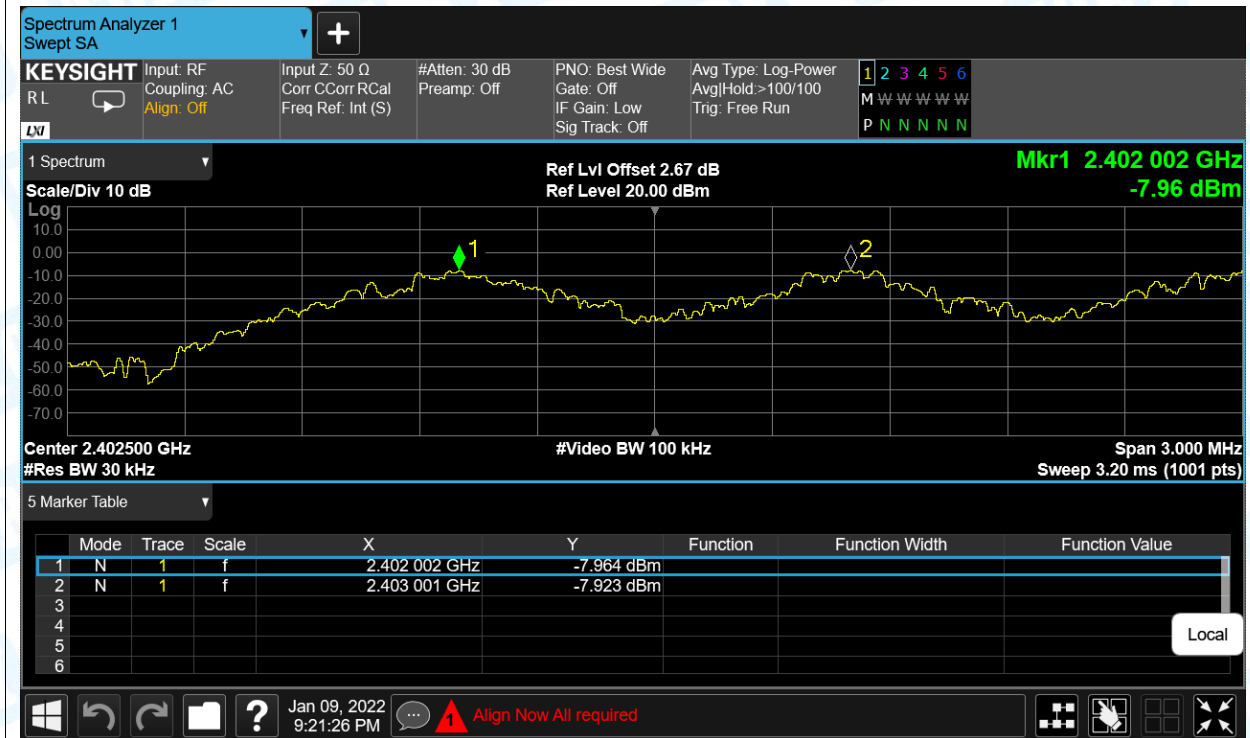


Carrier Frequencies Separation

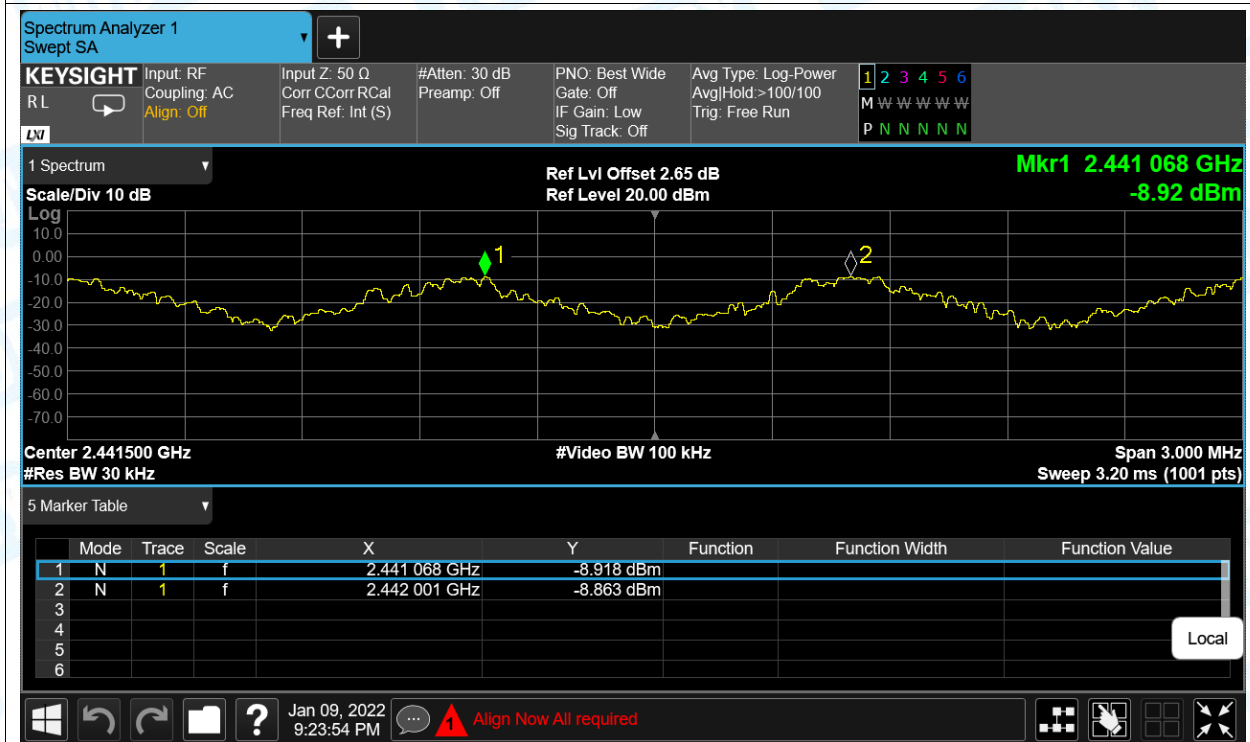
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	Ant1	2402.002	2403.001	0.999	0.68	Pass
NVNT	1-DH1	Ant1	2441.068	2442.001	0.933	0.68	Pass
NVNT	1-DH1	Ant1	2479.068	2480.064	0.996	0.68	Pass
NVNT	2-DH1	Ant1	2402.014	2403.001	0.987	0.9	Pass
NVNT	2-DH1	Ant1	2441.071	2442.013	0.942	0.9	Pass
NVNT	2-DH1	Ant1	2478.984	2480.007	1.023	0.9	Pass
NVNT	3-DH1	Ant1	2402.008	2402.98	0.972	0.893	Pass
NVNT	3-DH1	Ant1	2441.008	2441.977	0.969	0.893	Pass
NVNT	3-DH1	Ant1	2479.023	2480.073	1.05	0.893	Pass

Test Graphs

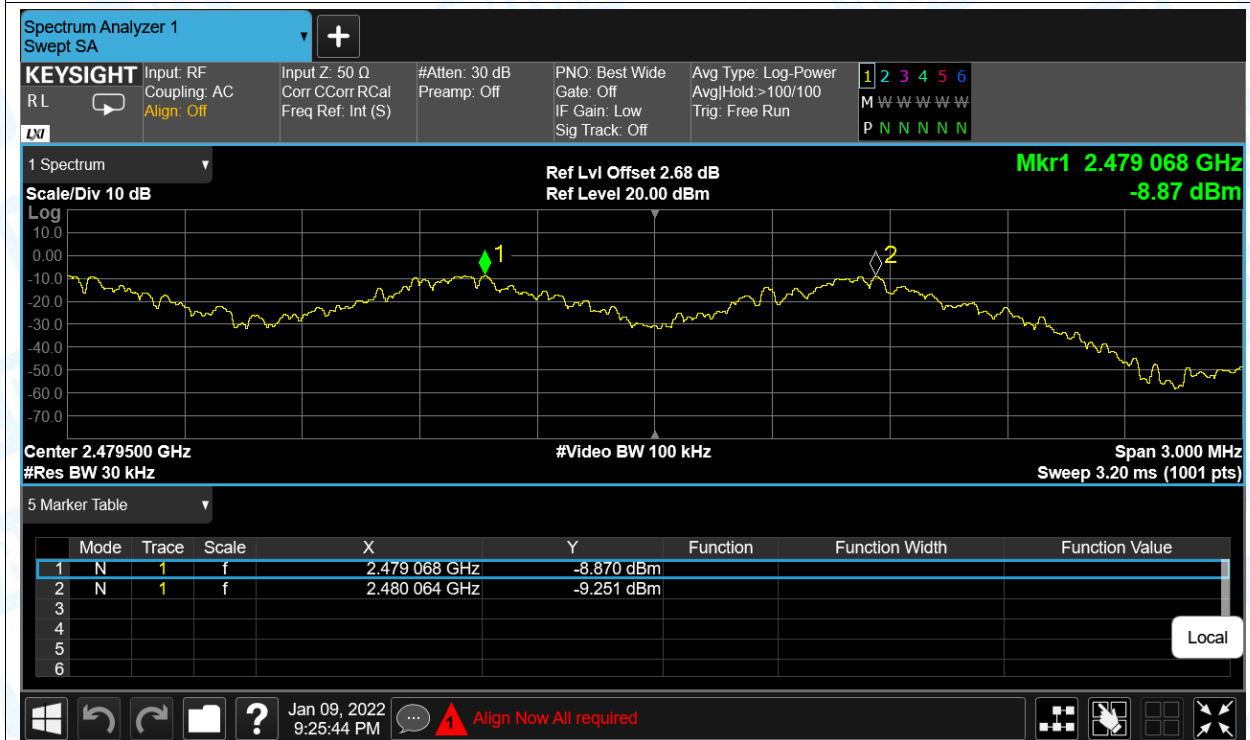
CFS NVNT 1-DH1 2402MHz Ant1



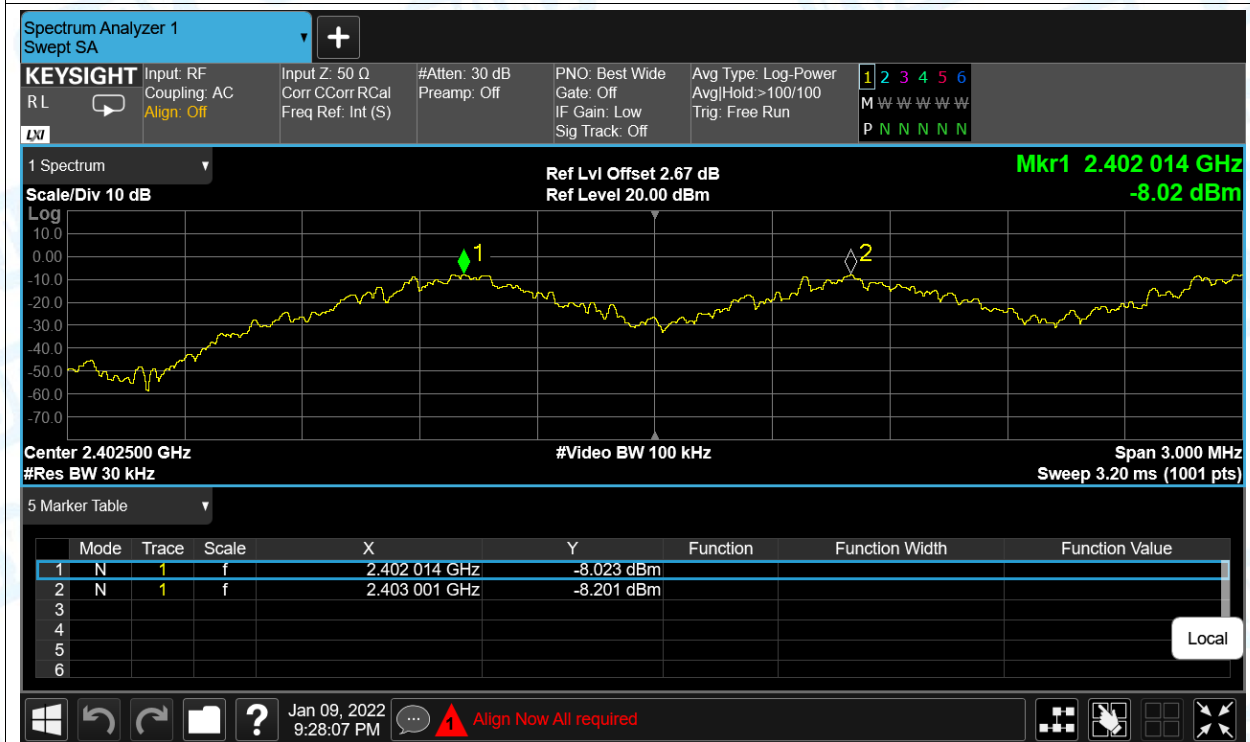
CFS NVNT 1-DH1 2441MHz Ant1



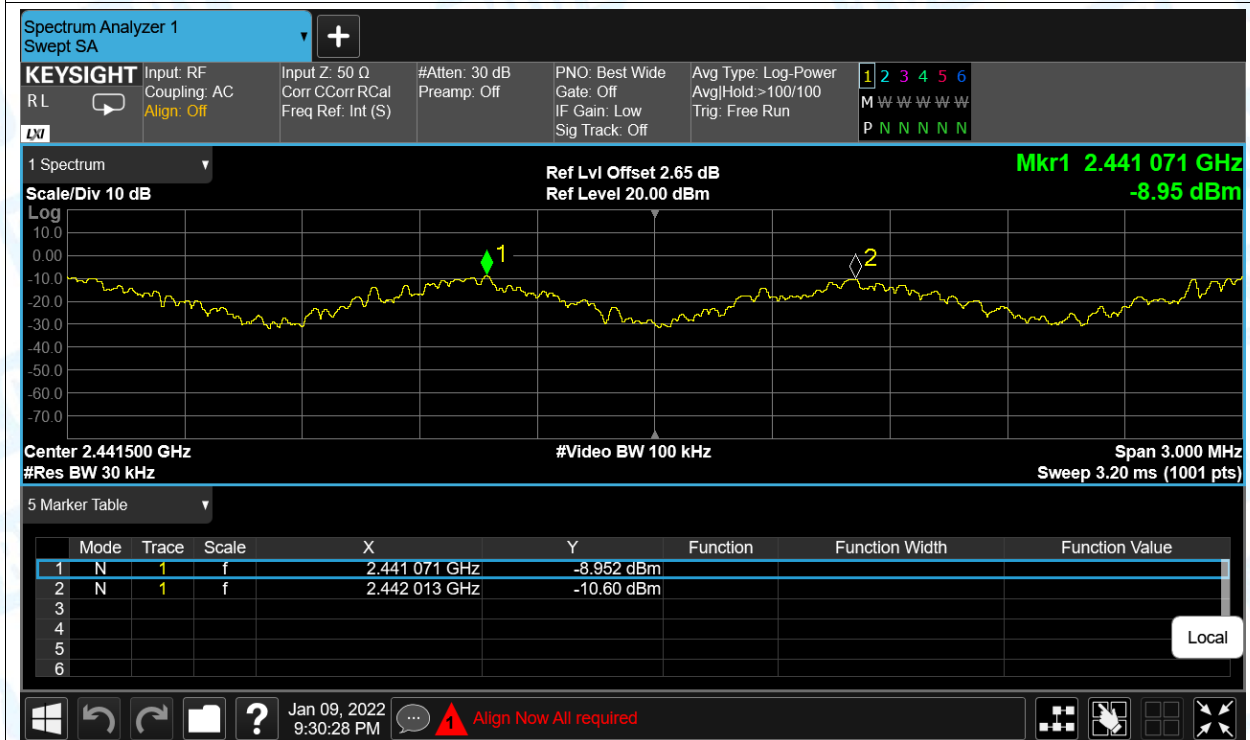
CFS NVNT 1-DH1 2480MHz Ant1



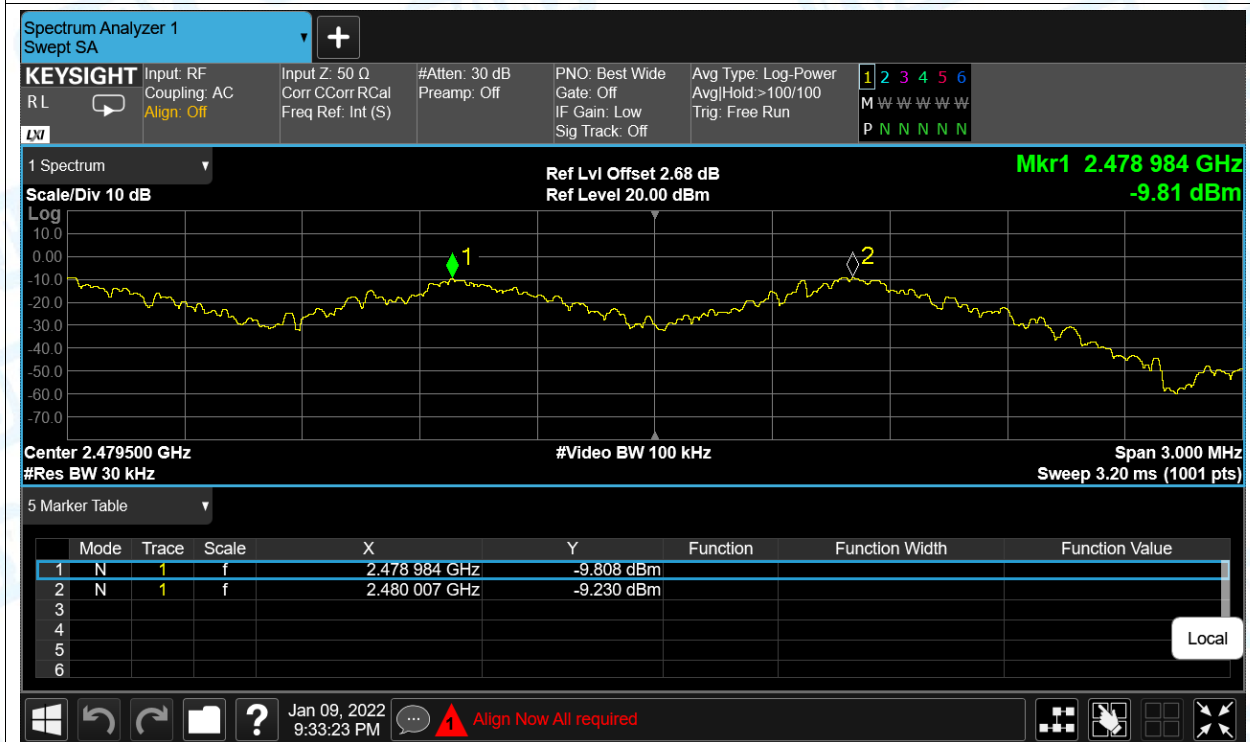
CFS NVNT 2-DH1 2402MHz Ant1



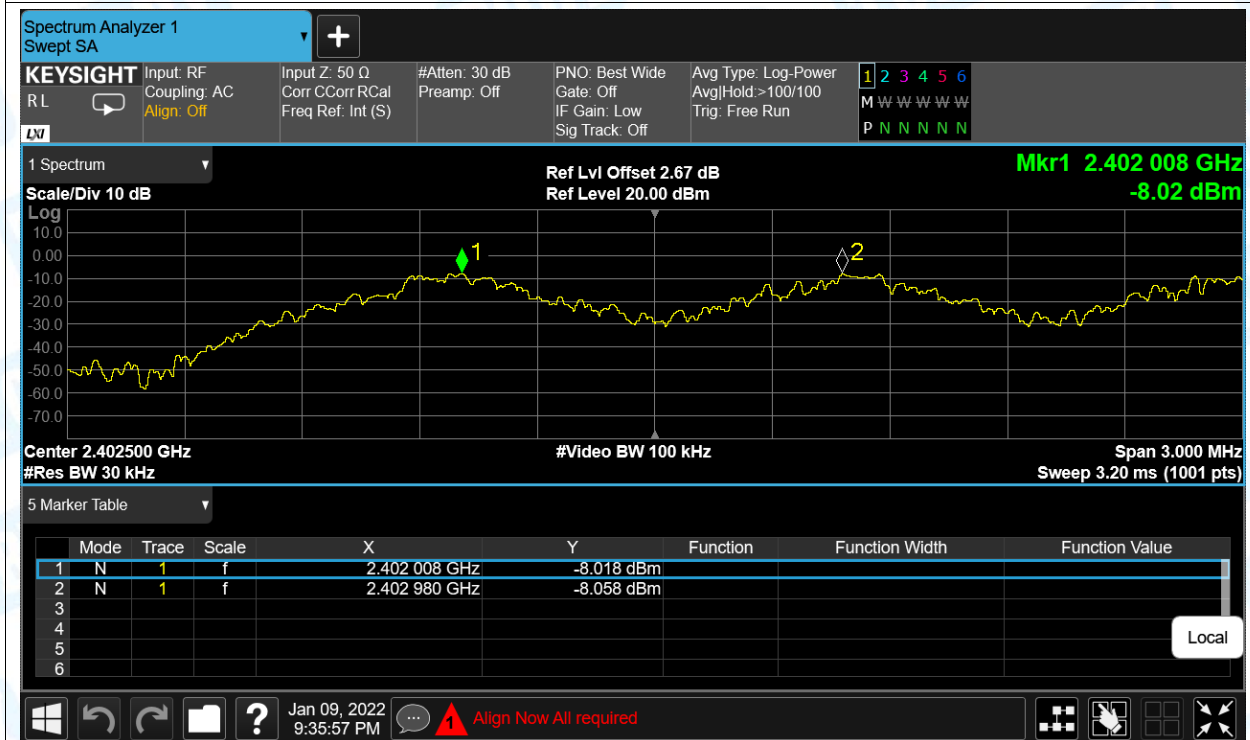
CFS NVNT 2-DH1 2441MHz Ant1



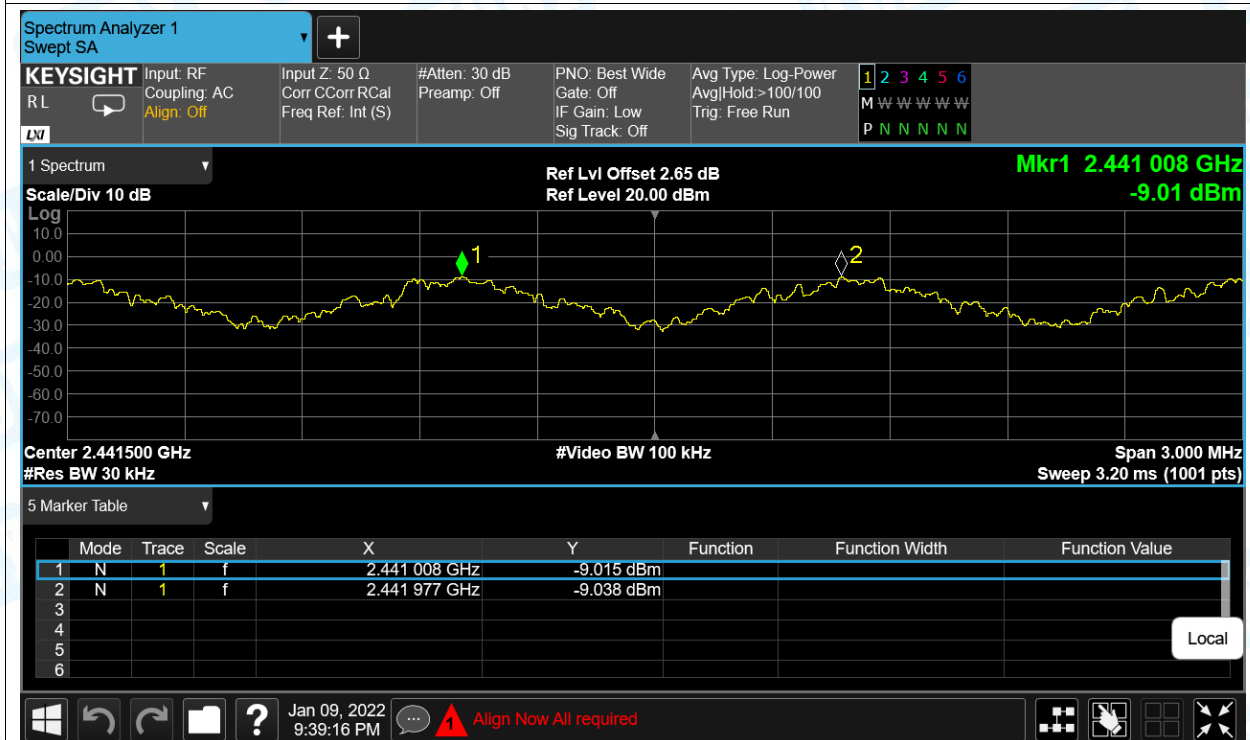
CFS NVNT 2-DH1 2480MHz Ant1

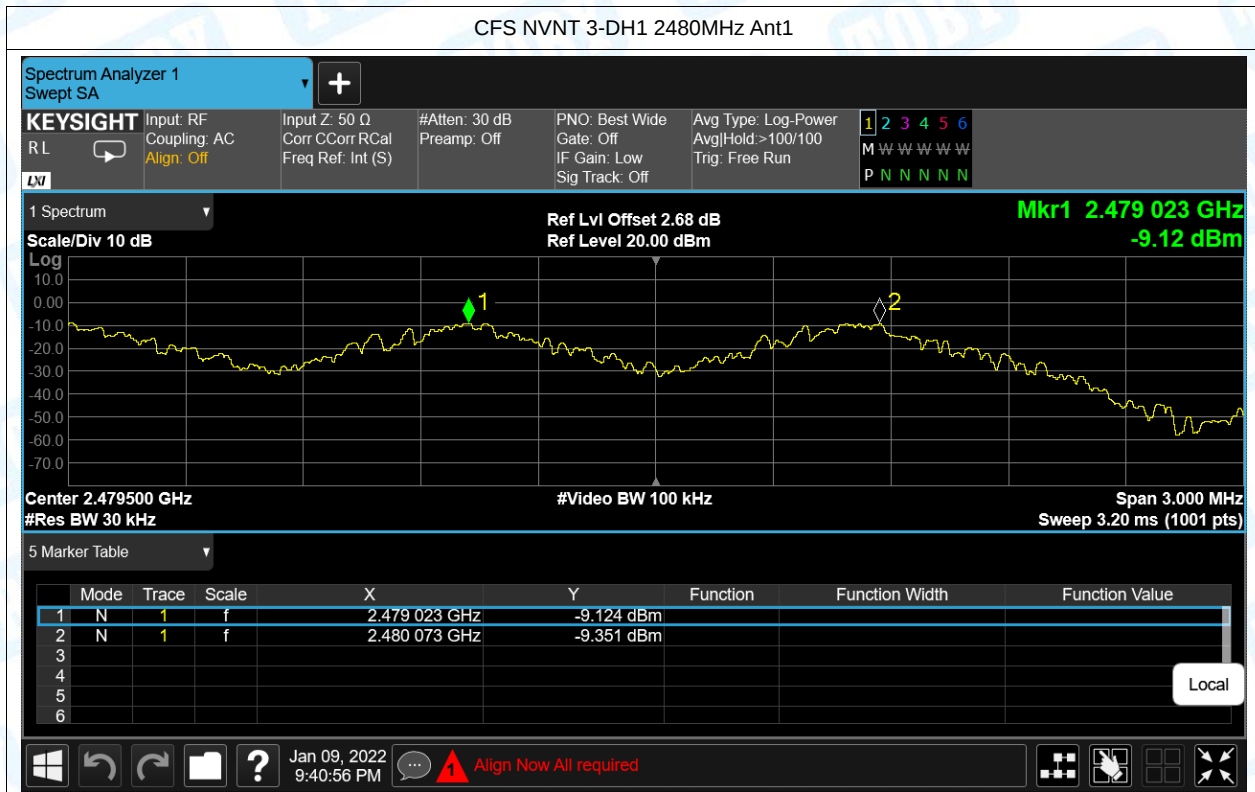


CFS NVNT 3-DH1 2402MHz Ant1



CFS NVNT 3-DH1 2441MHz Ant1

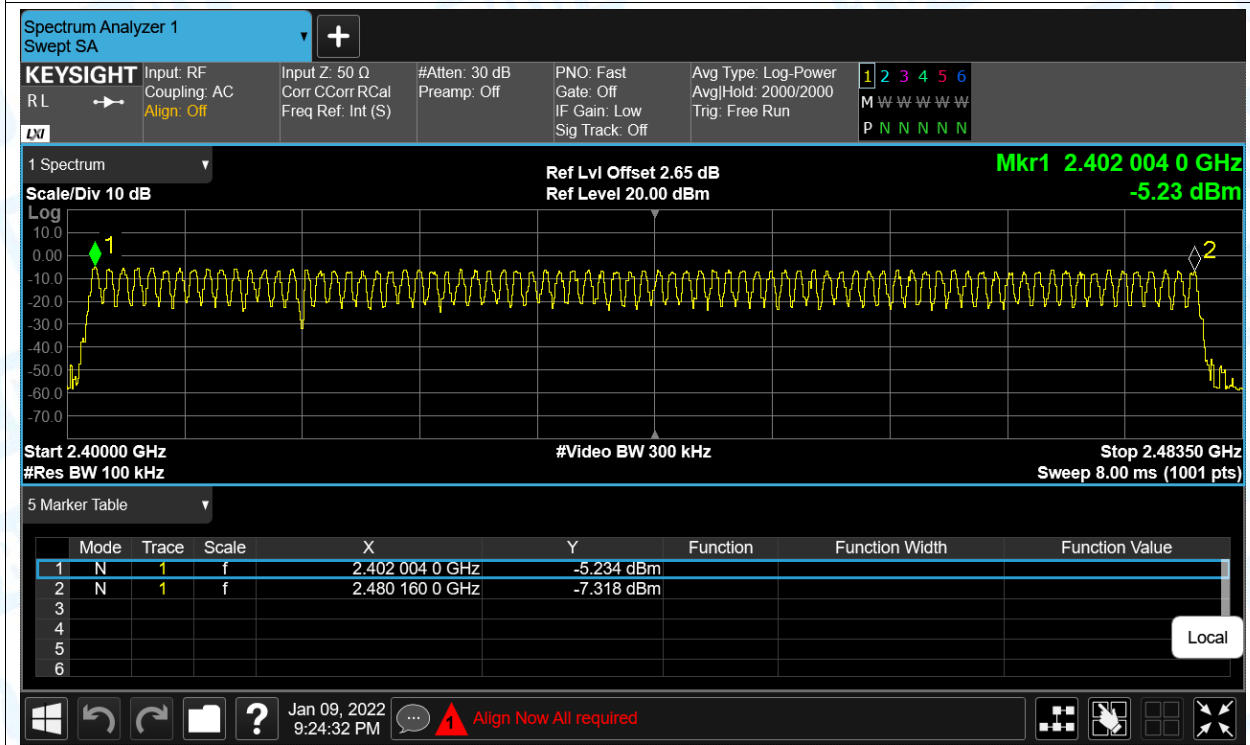




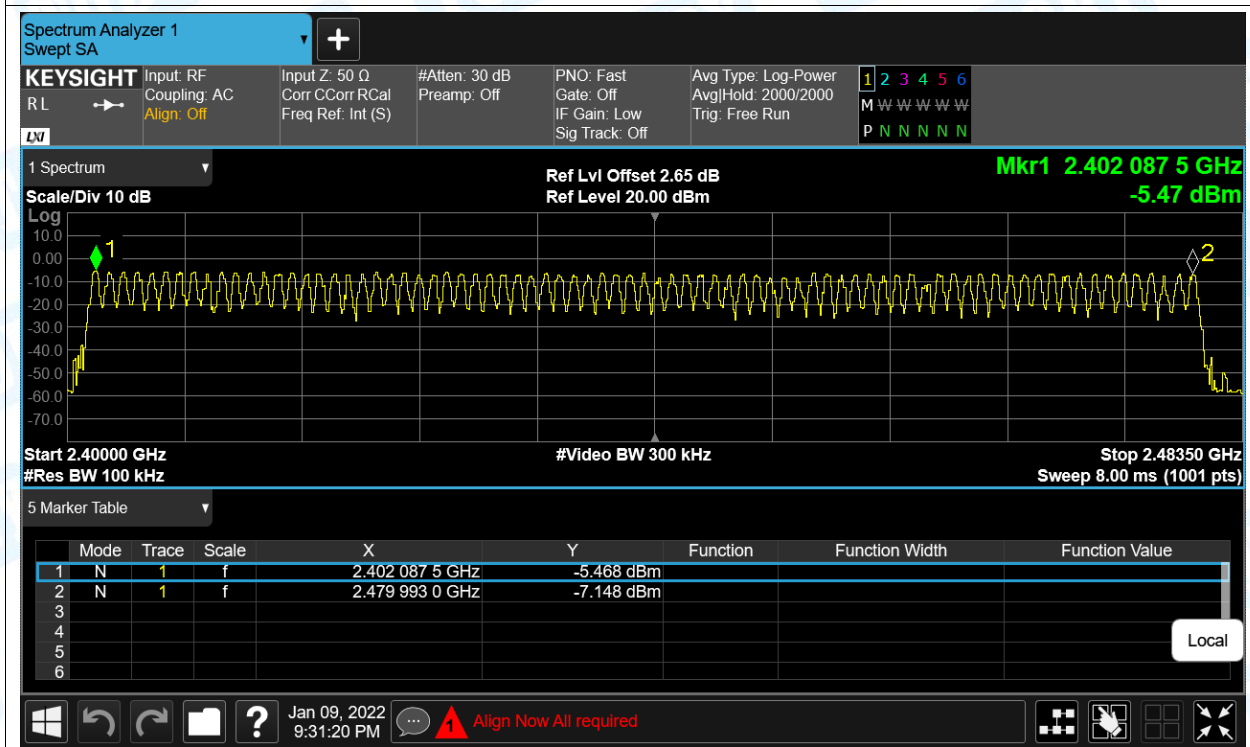
Number of Hopping Channel

Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH1	Ant1	79	15	Pass
NVNT	2-DH1	Ant1	79	15	Pass
NVNT	3-DH1	Ant1	79	15	Pass

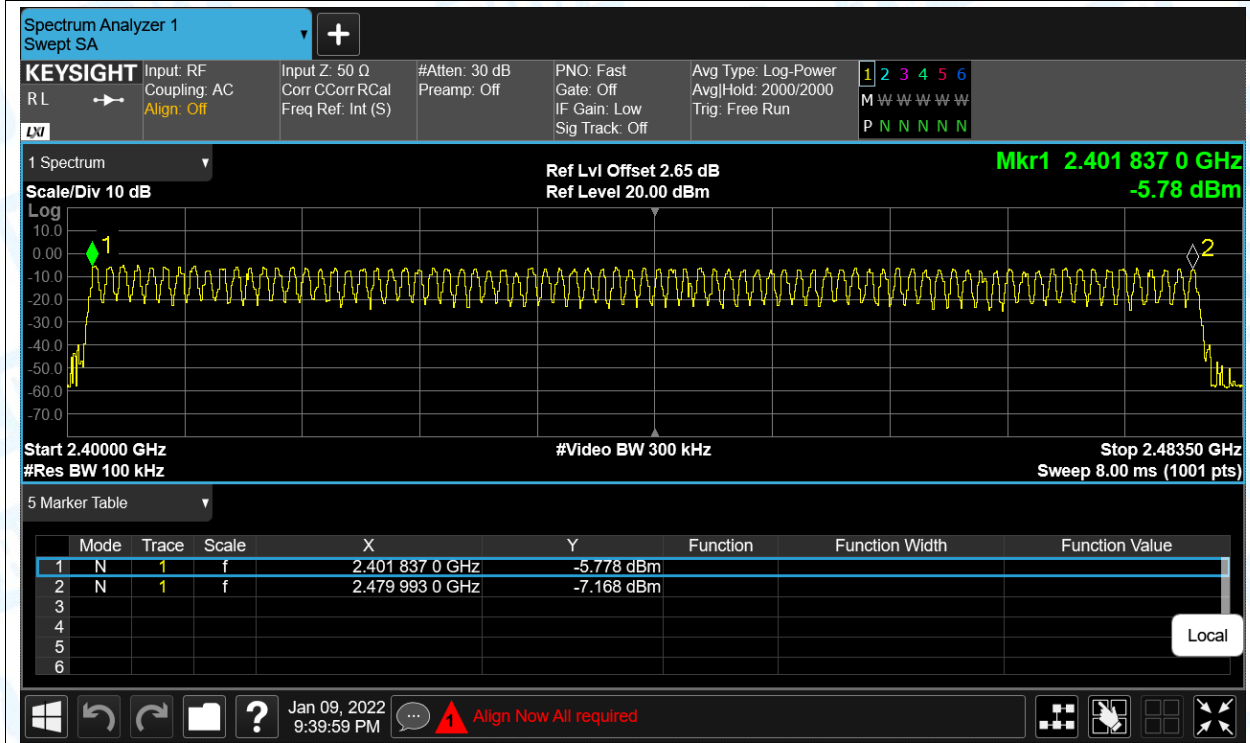
Hopping No. NVNT 1-DH1 2441MHz Ant1



Hopping No. NVNT 2-DH1 2441MHz Ant1



Hopping No. NVNT 3-DH1 2441MHz Ant1

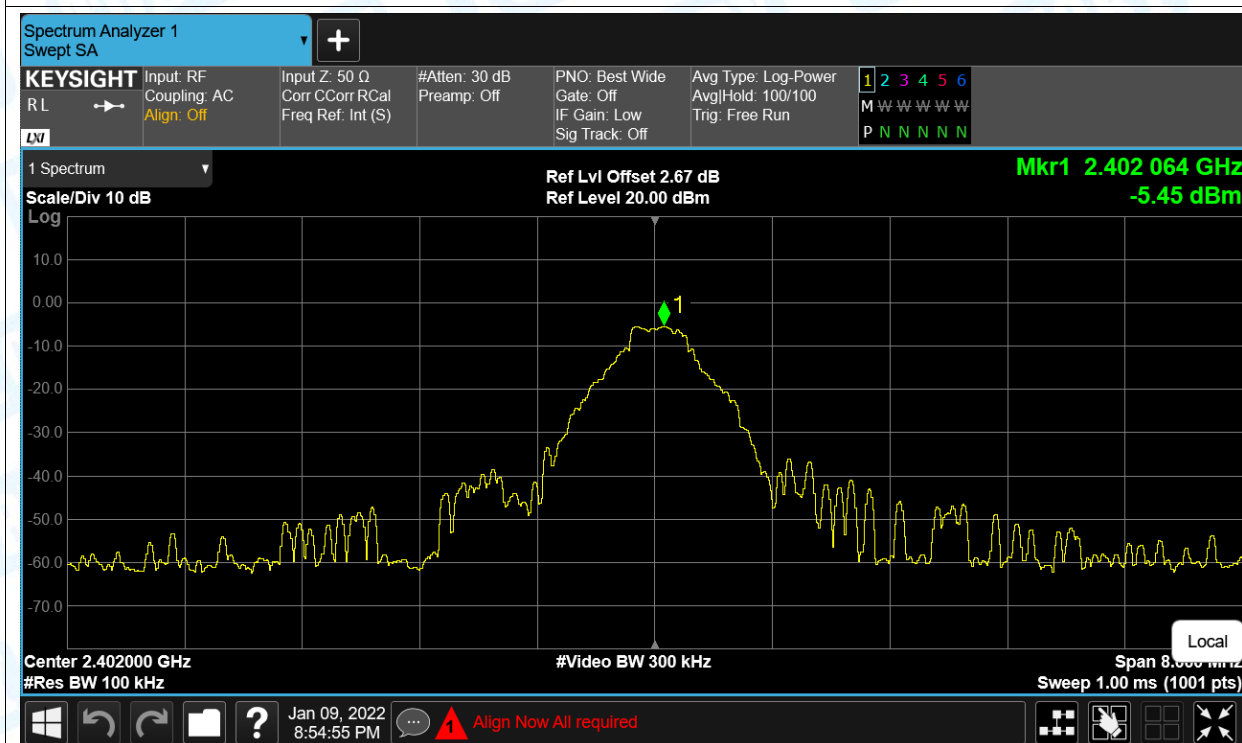


Band Edge

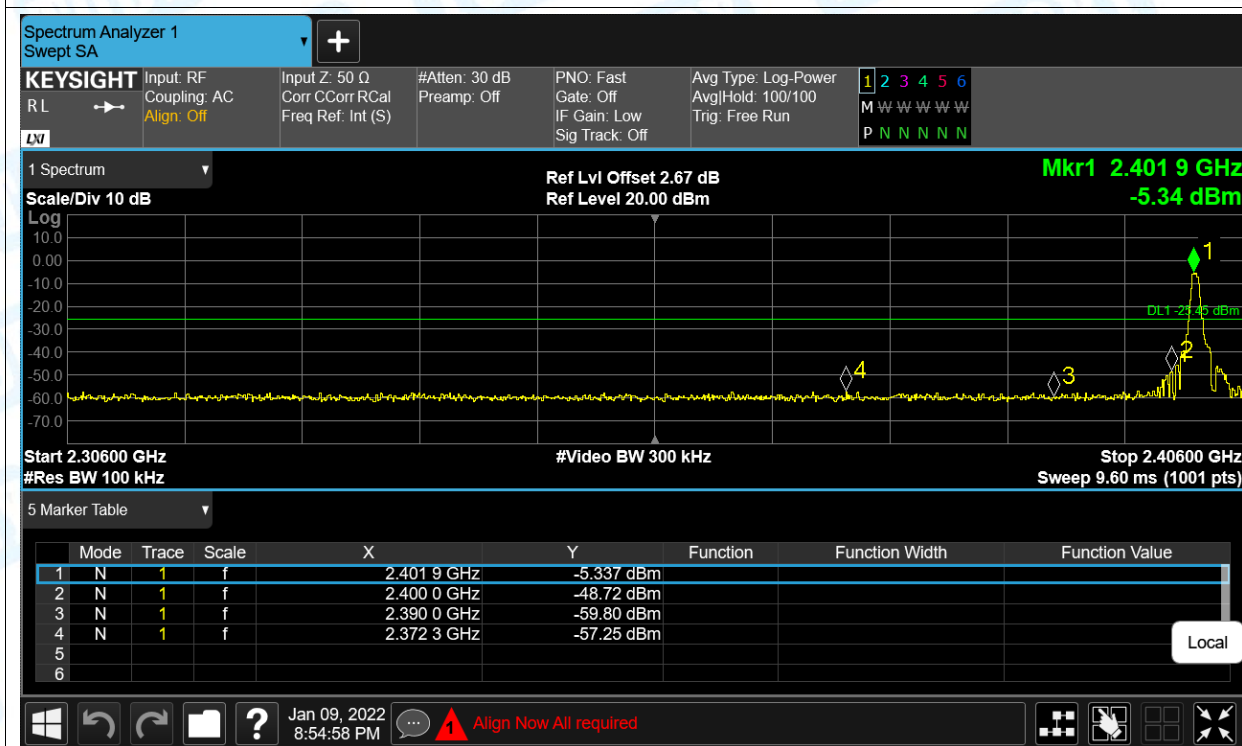
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-51.8	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-49.99	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-49.42	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-46.93	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-49.59	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-47.41	-20	Pass

Test Graphs

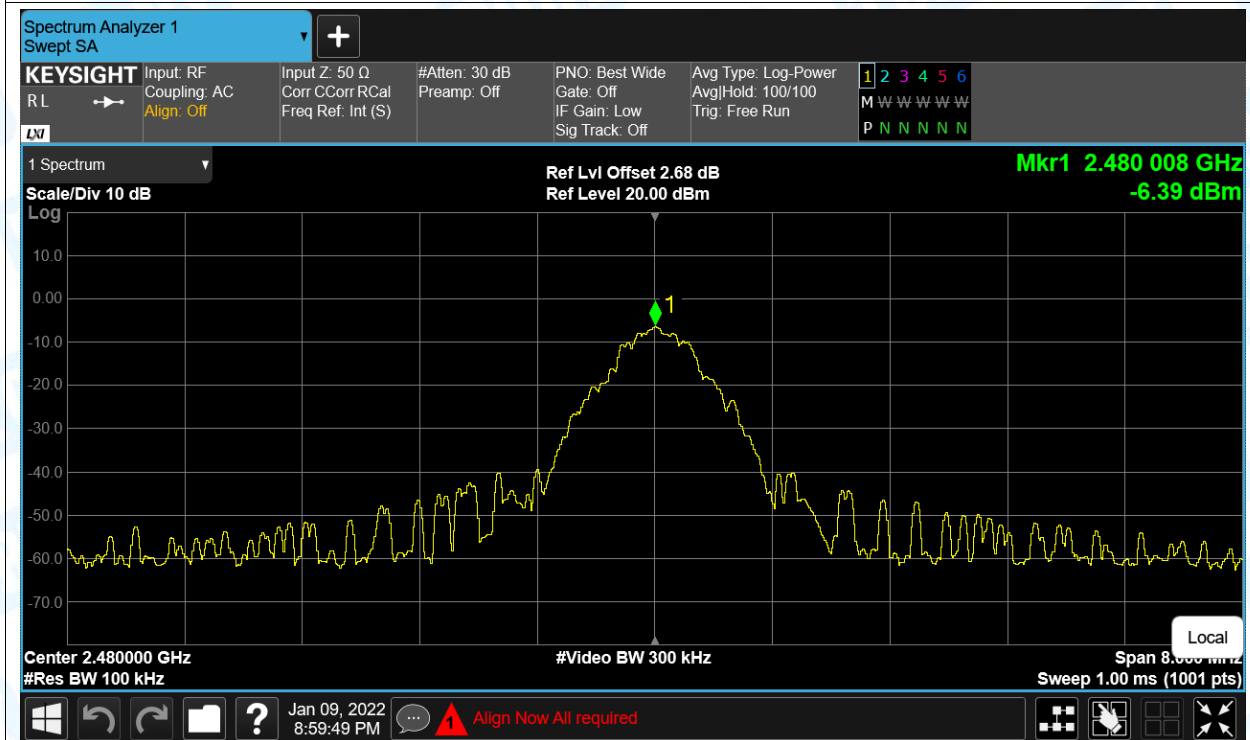
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



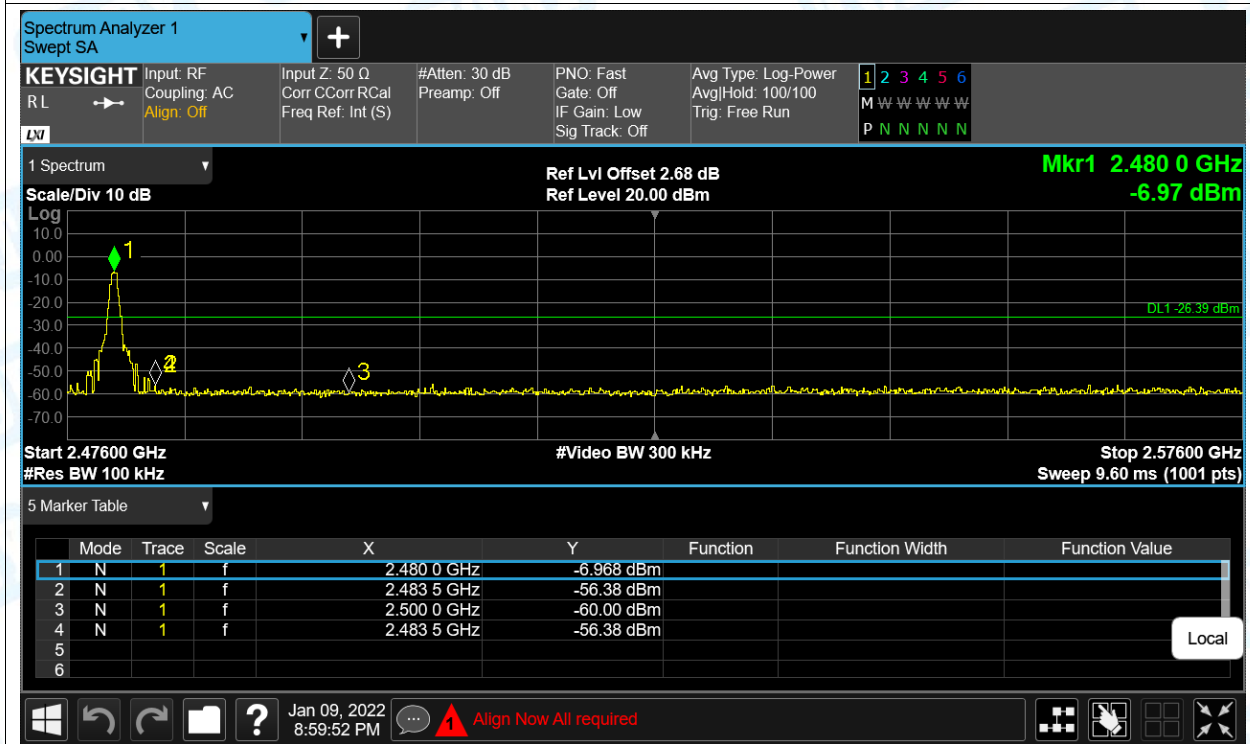
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



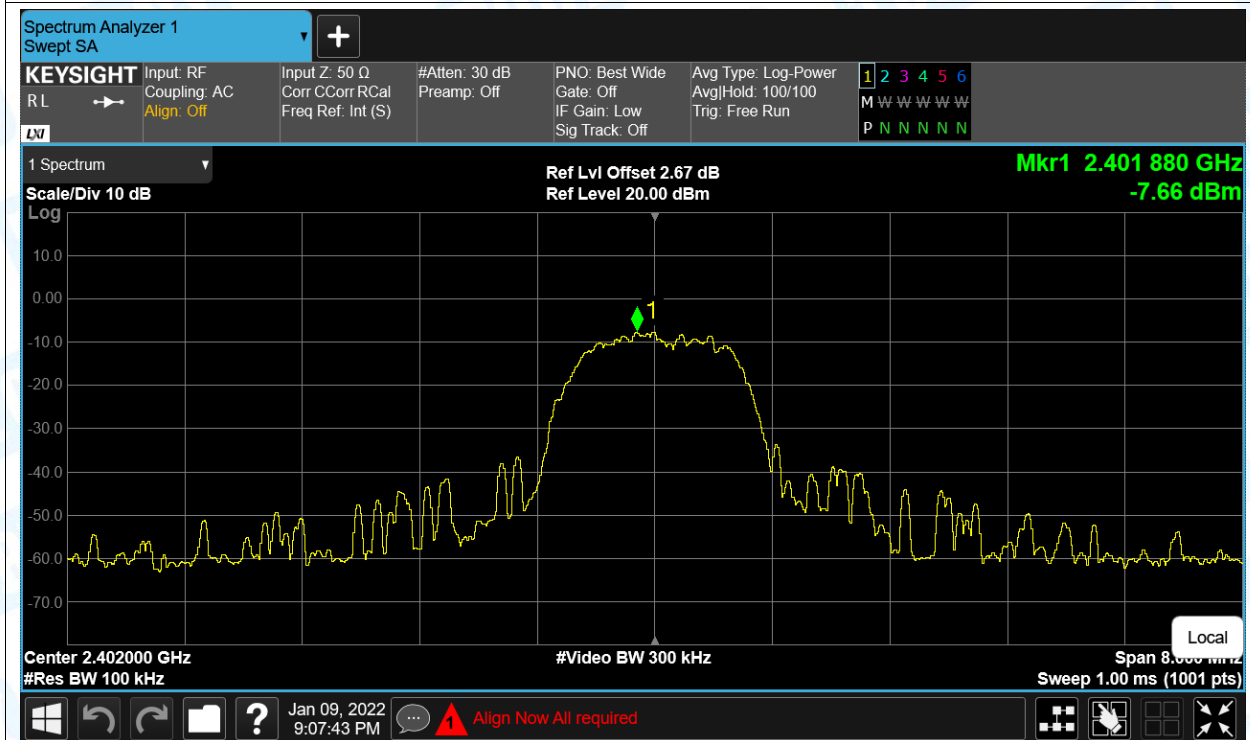
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



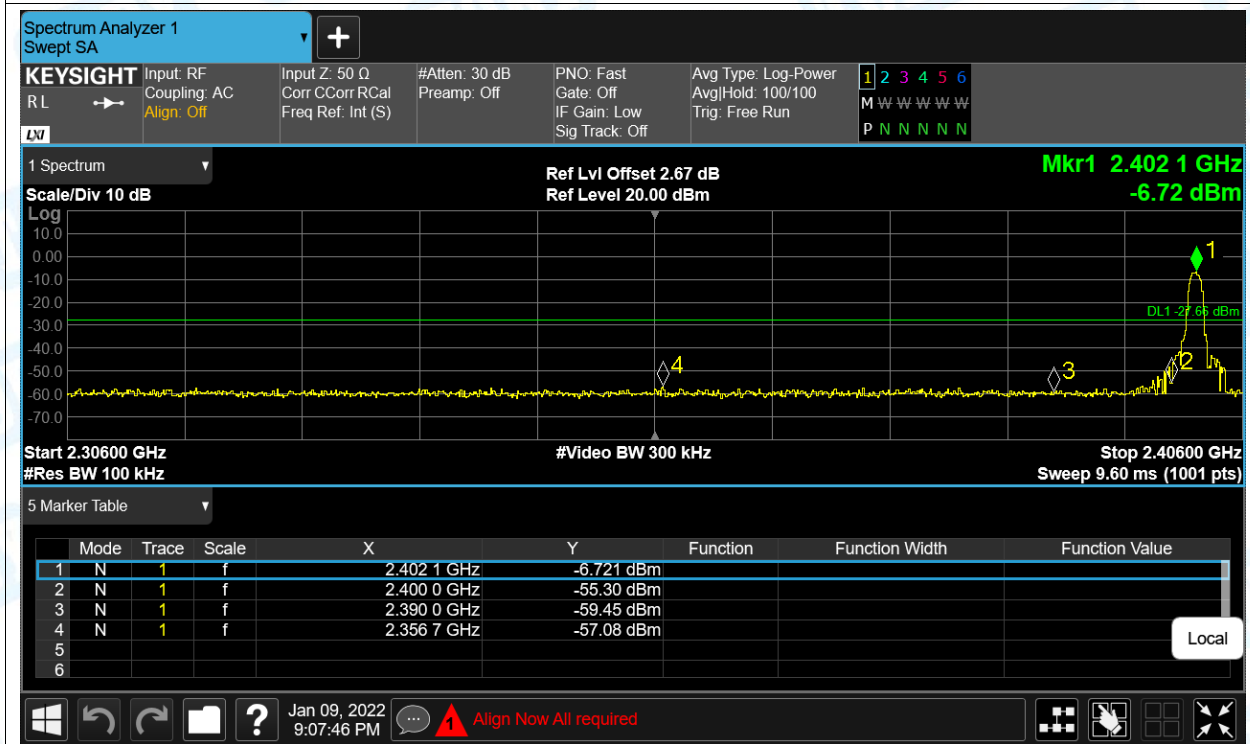
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



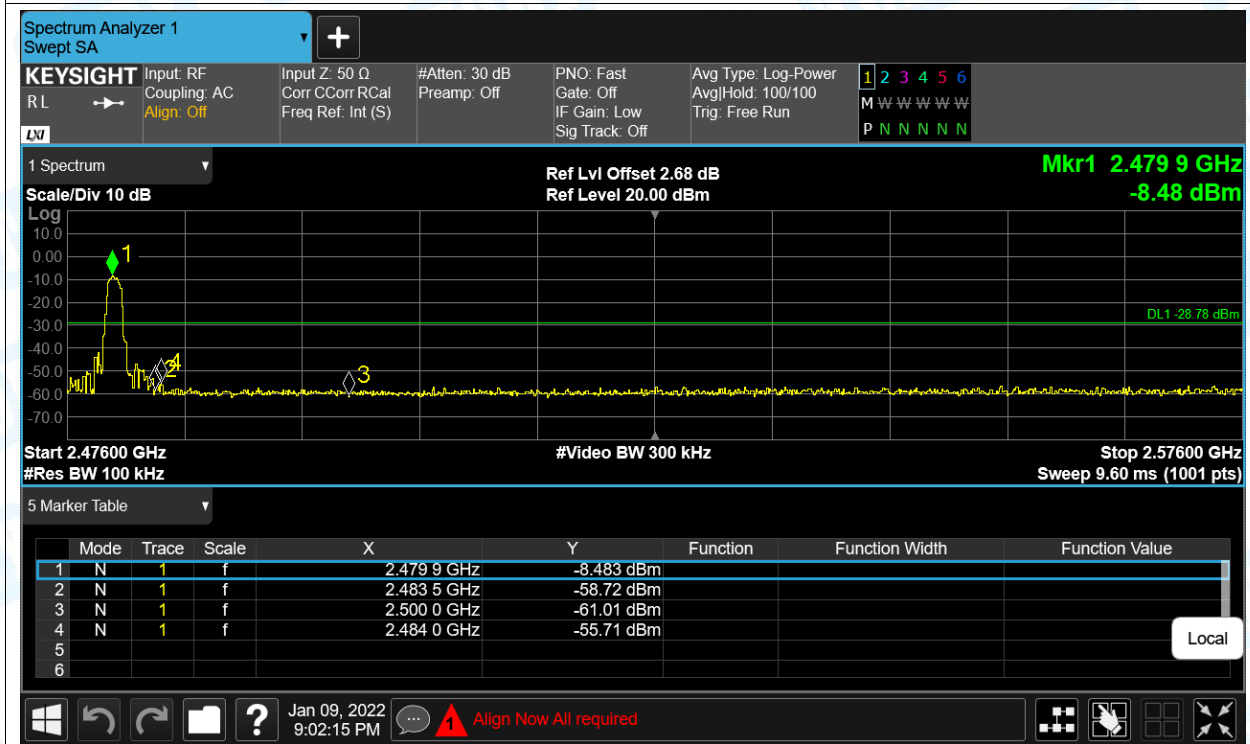
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



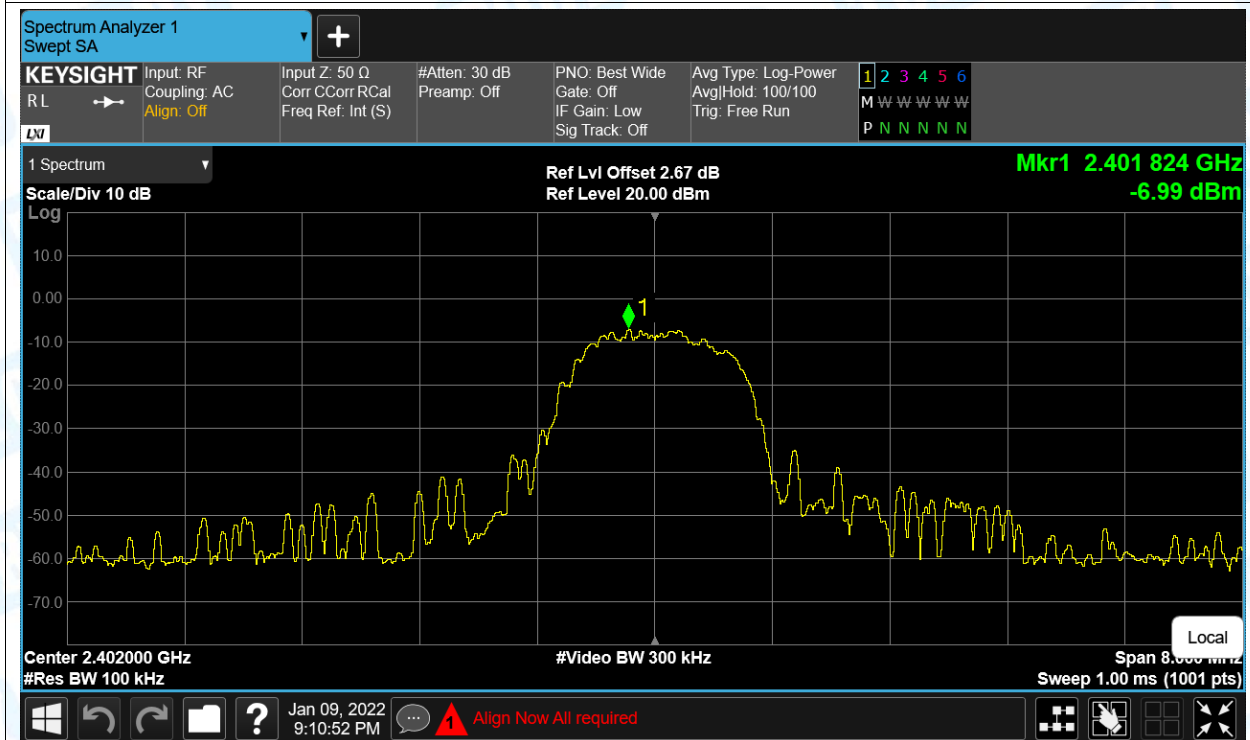
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



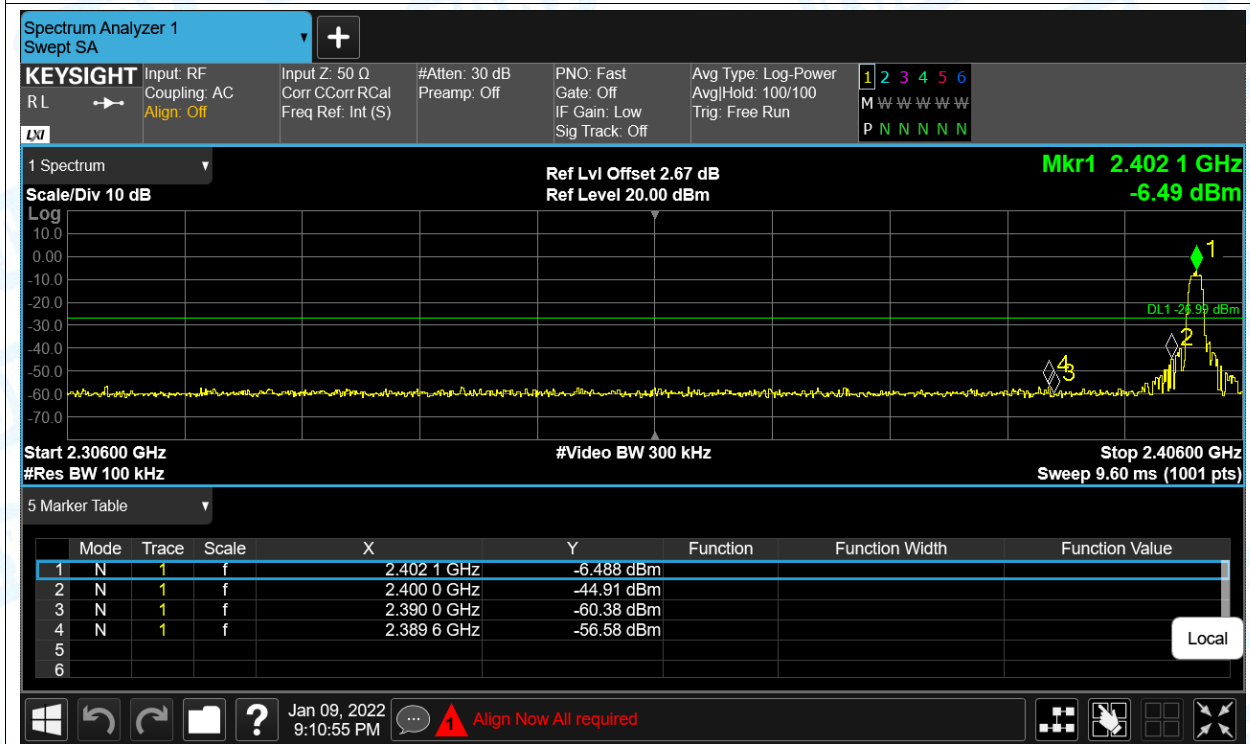
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



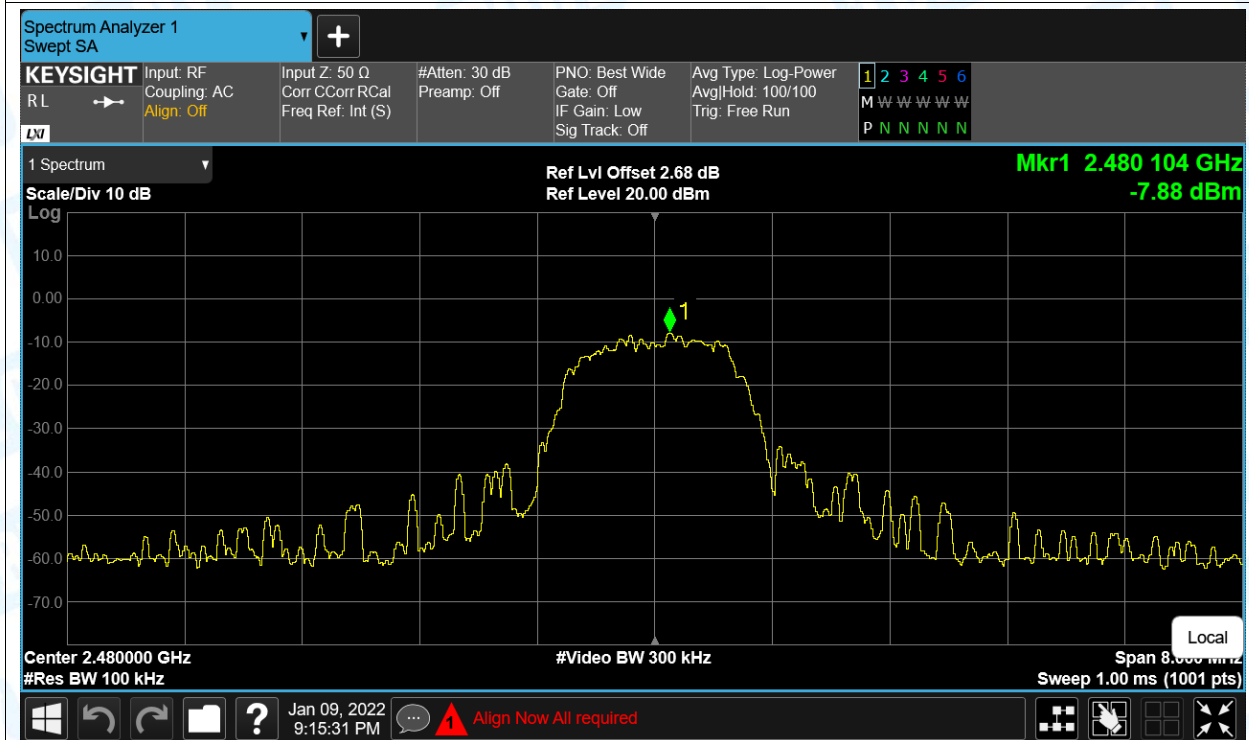
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Ref



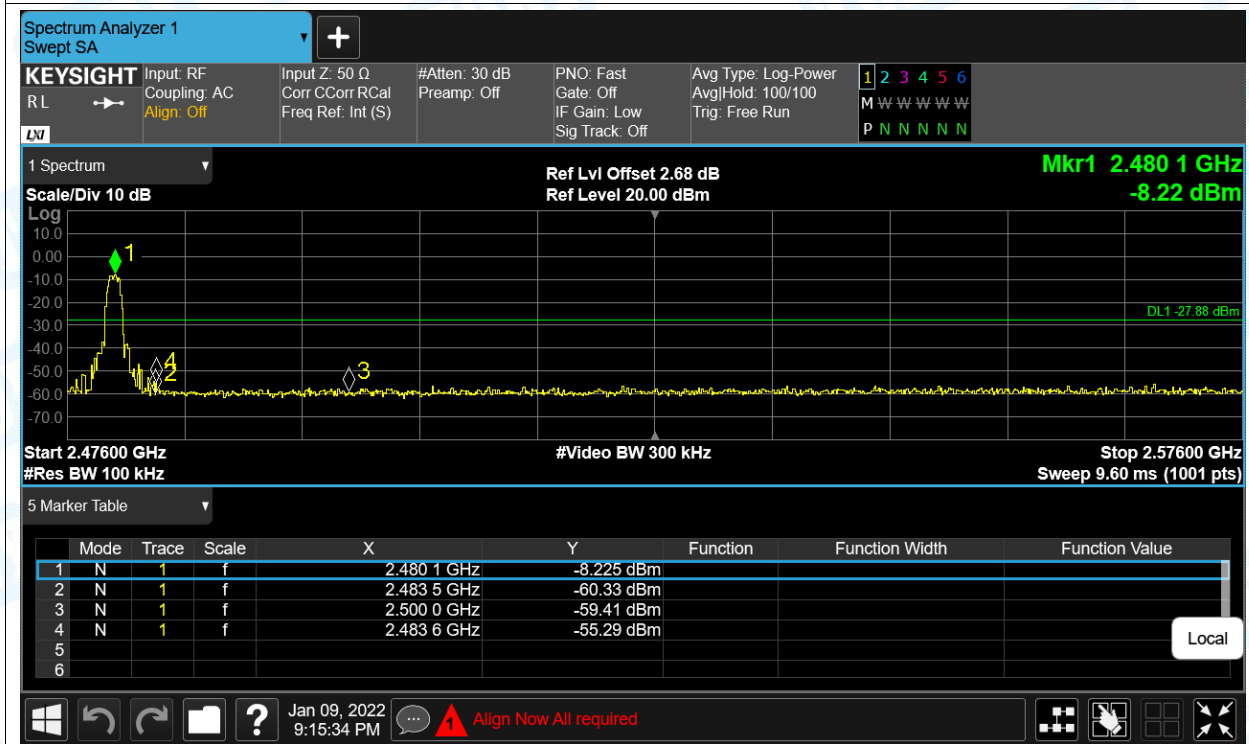
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Emission

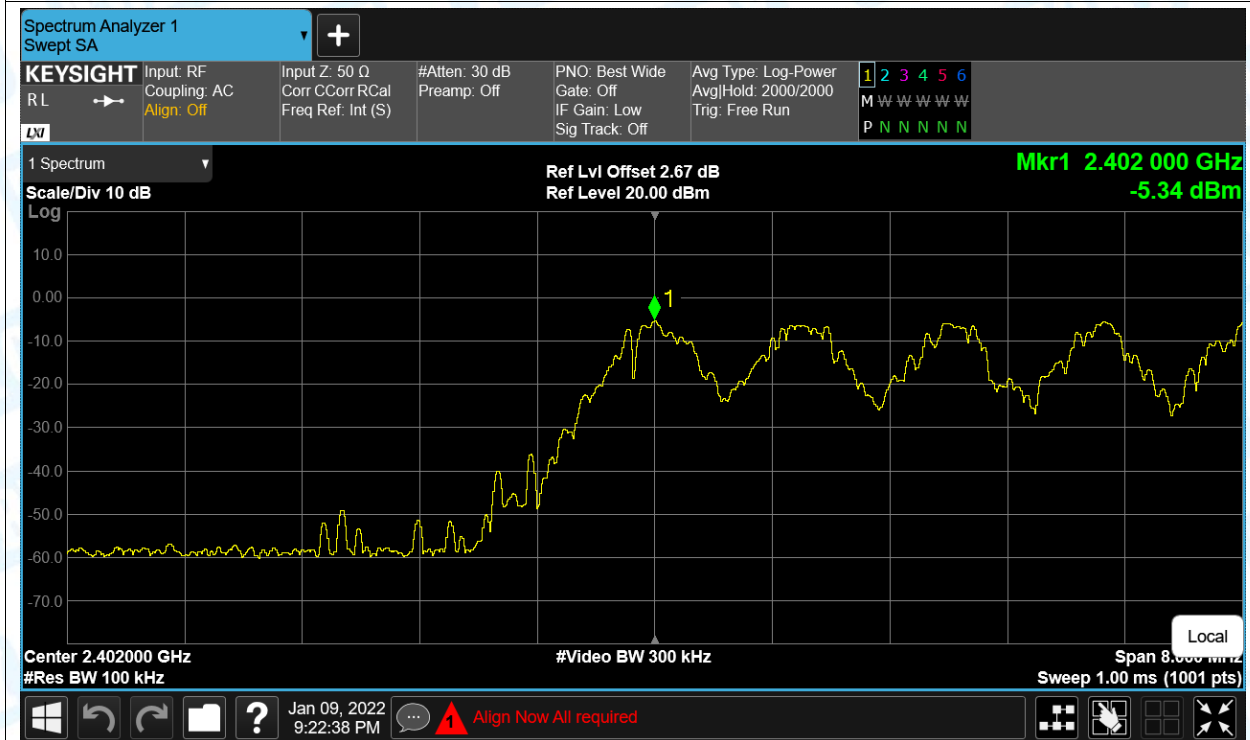


Band Edge(Hopping)

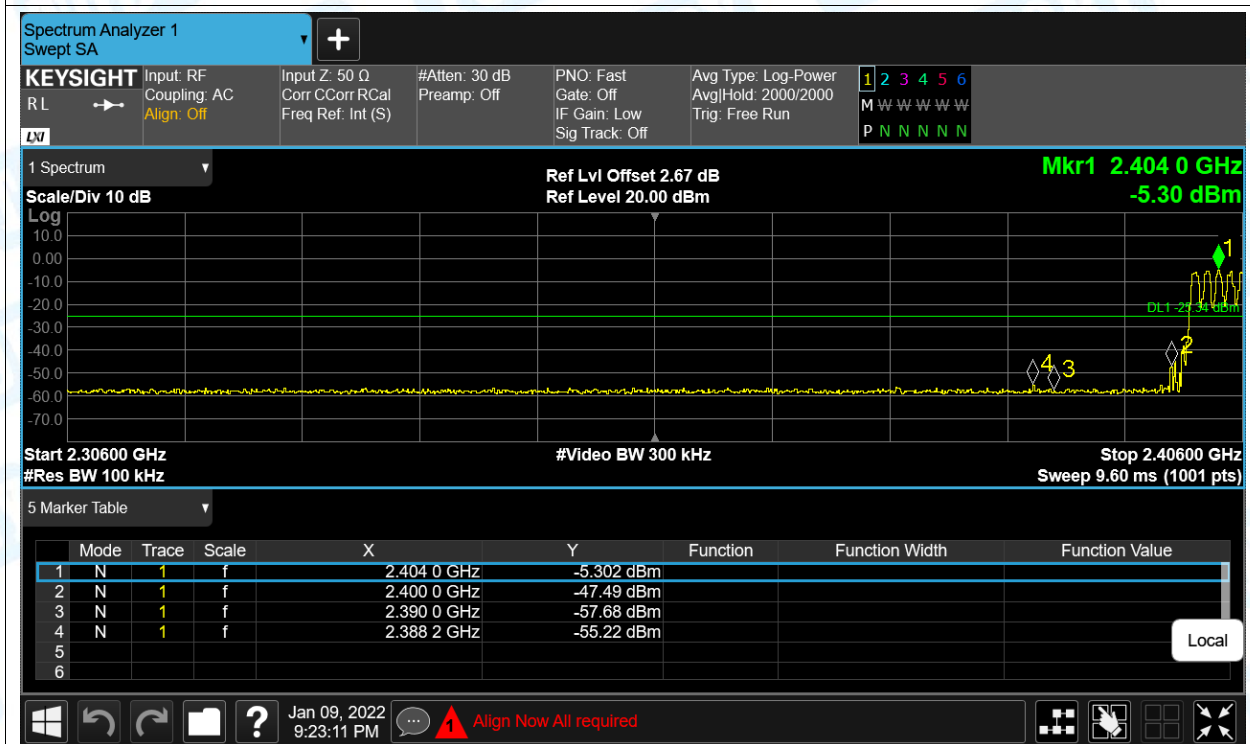
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-49.88	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-49.3	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-50.2	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-48.19	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-49.69	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-49.68	-20	Pass

Test Graphs

Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref



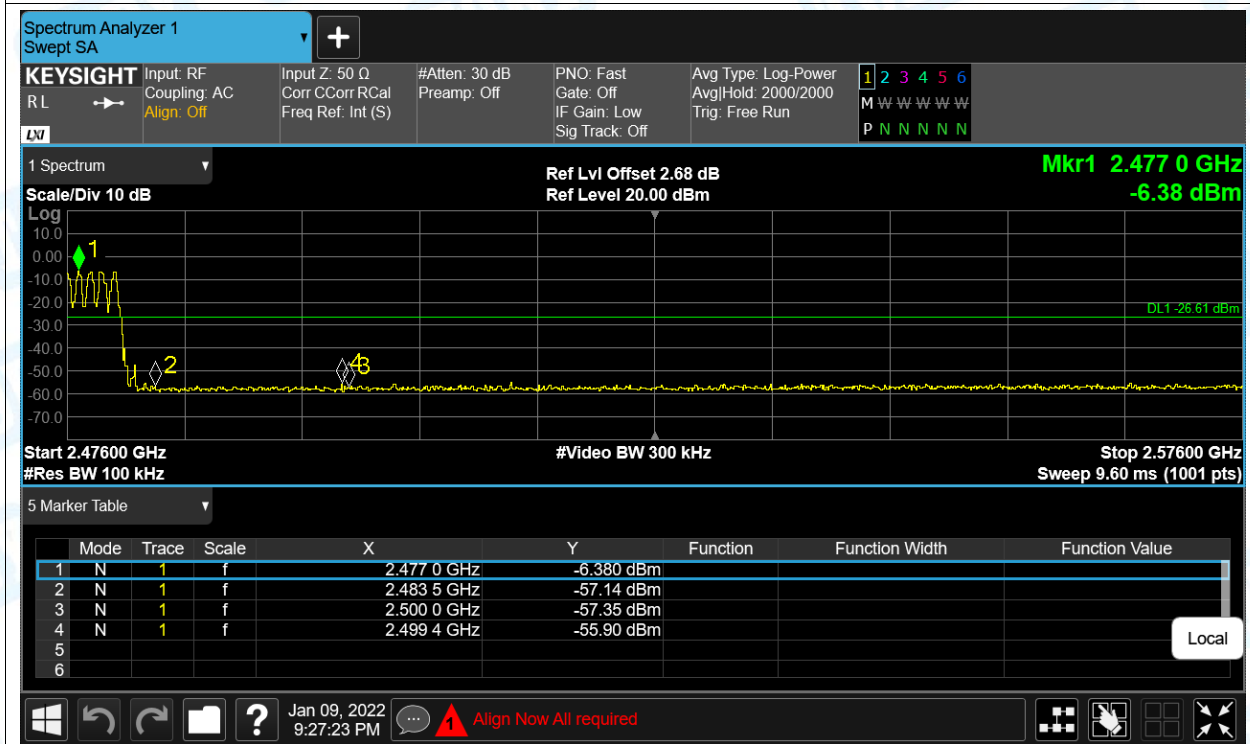
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission



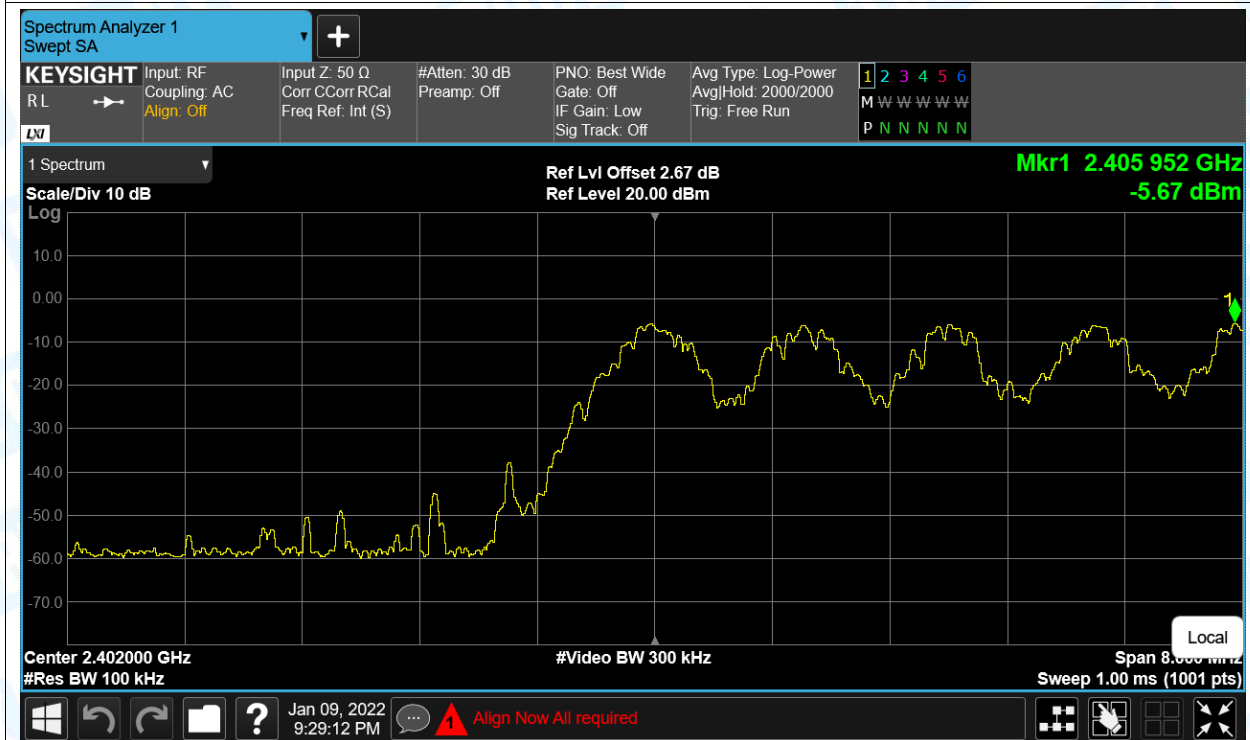
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref



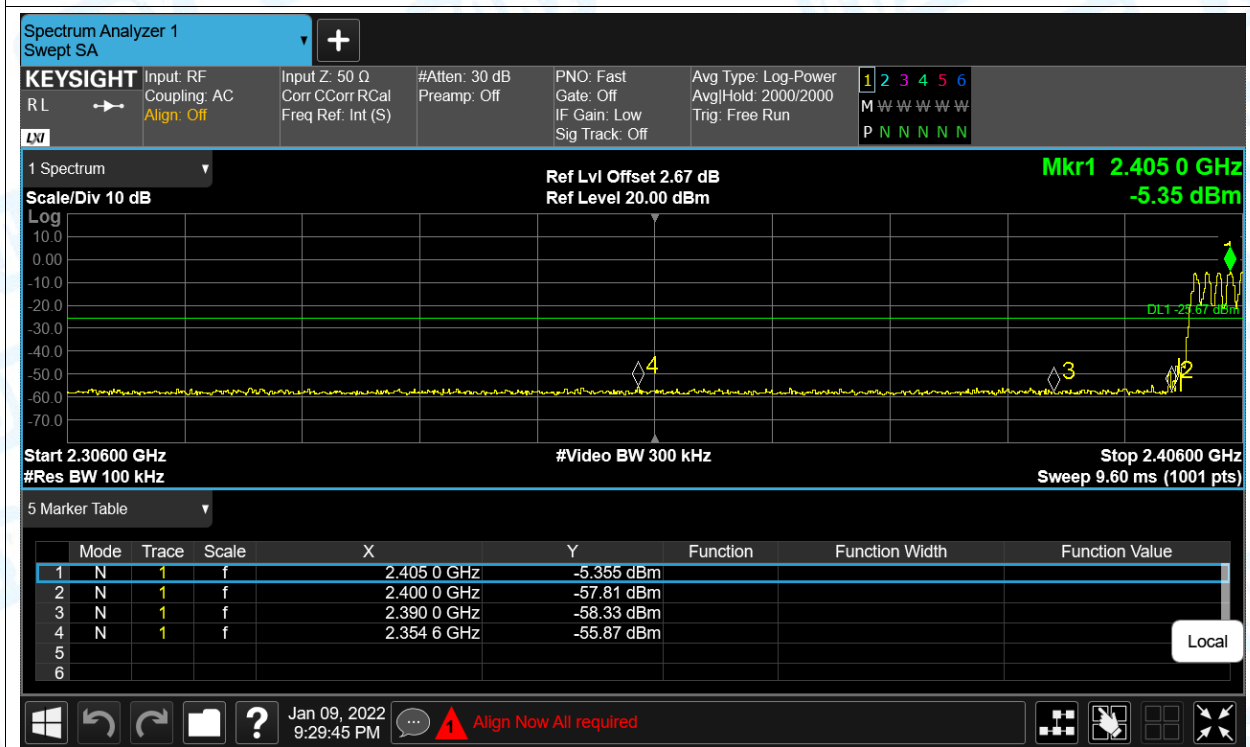
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref



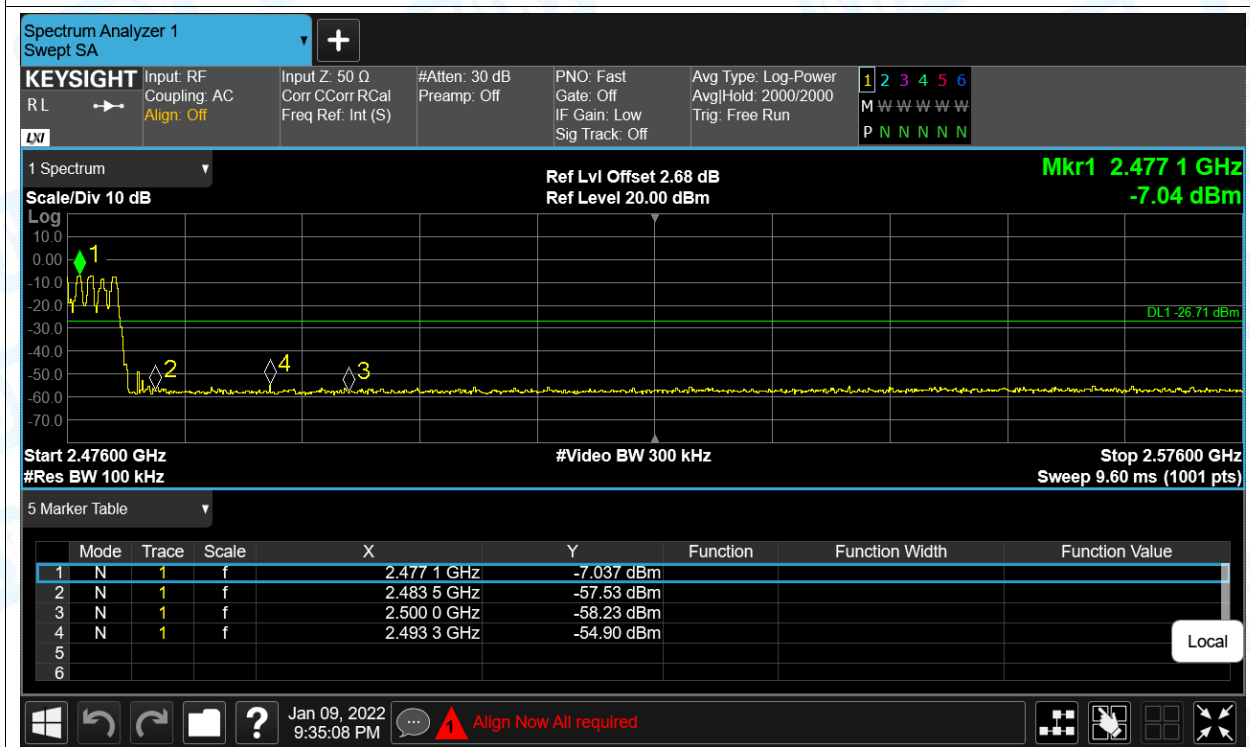
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission



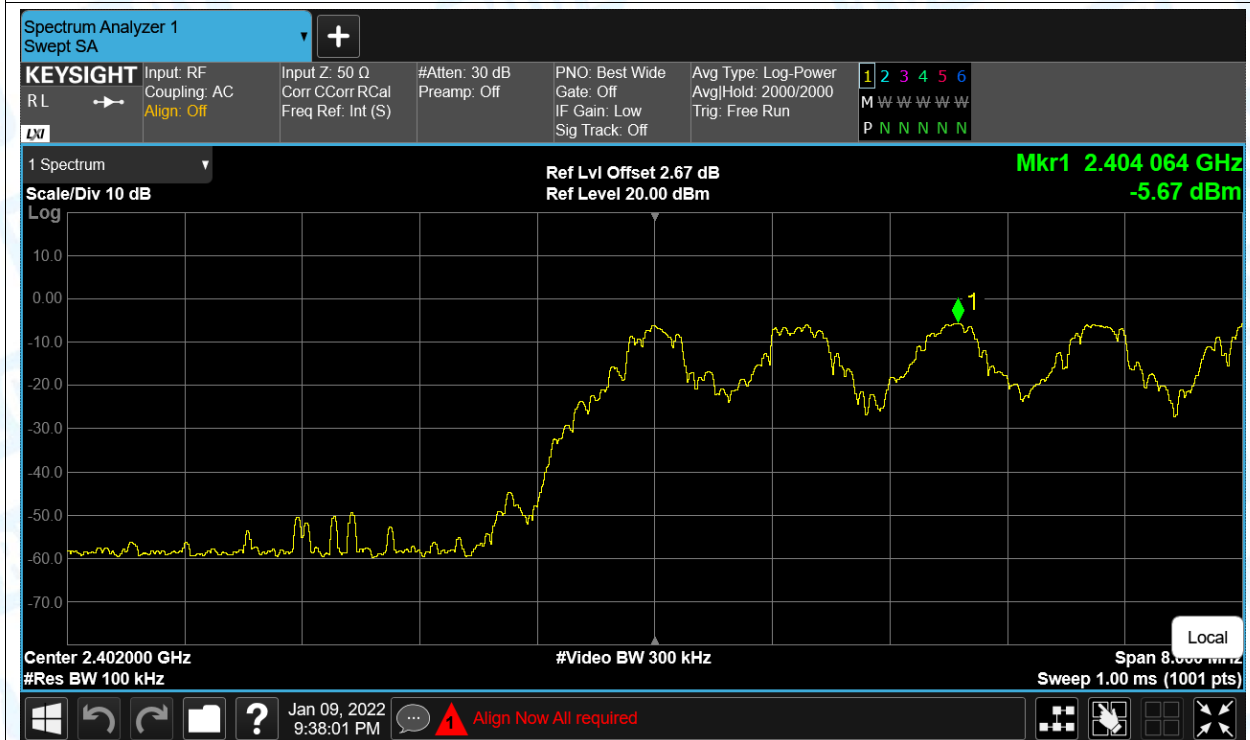
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Ref



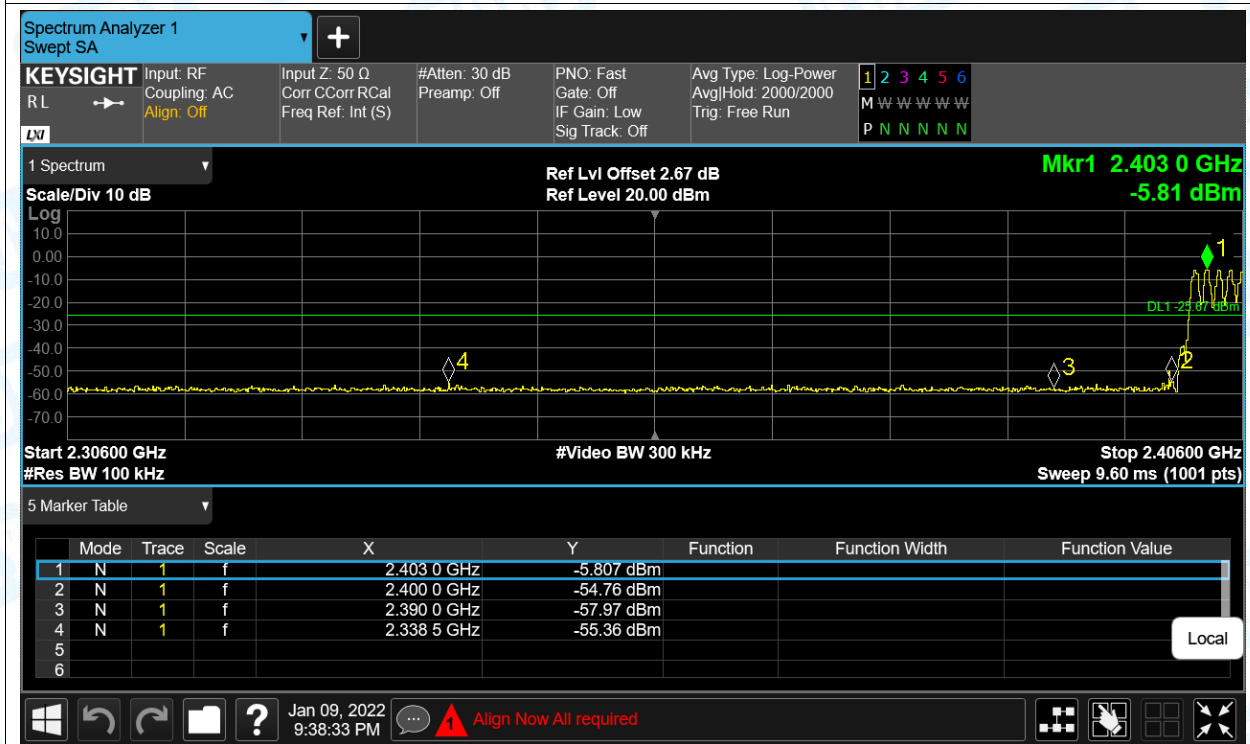
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref



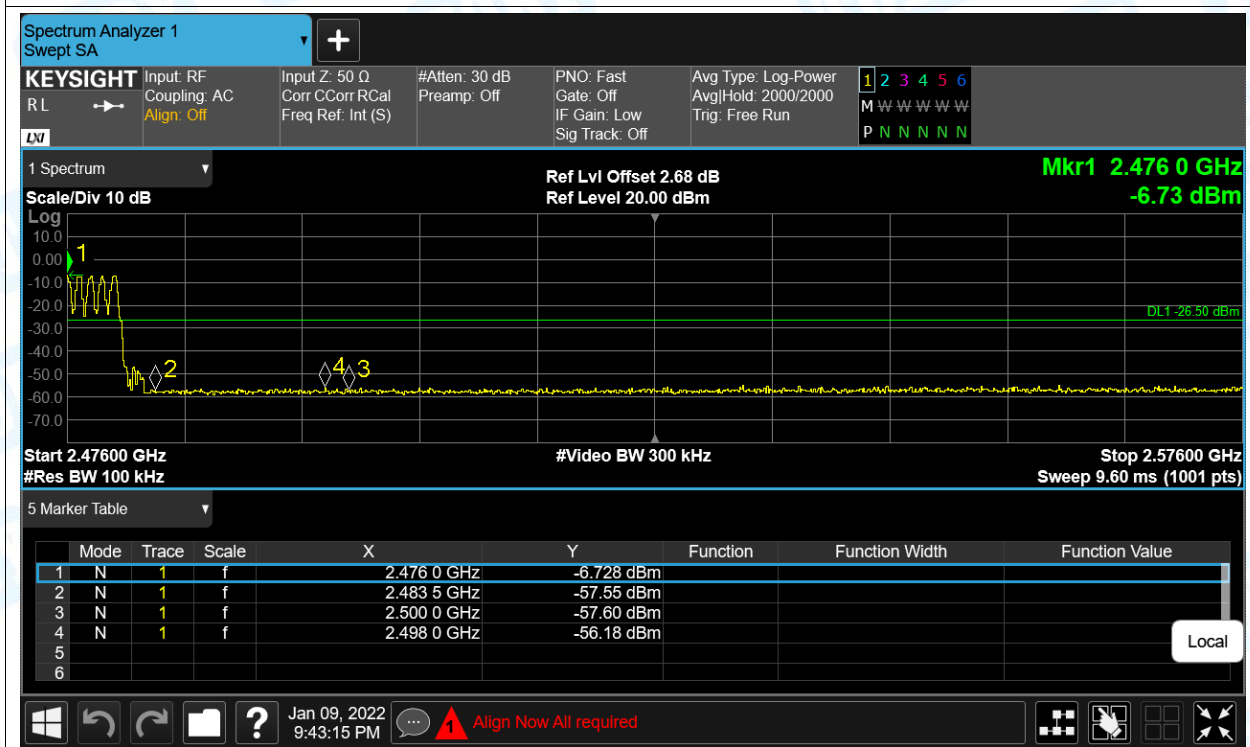
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Emission

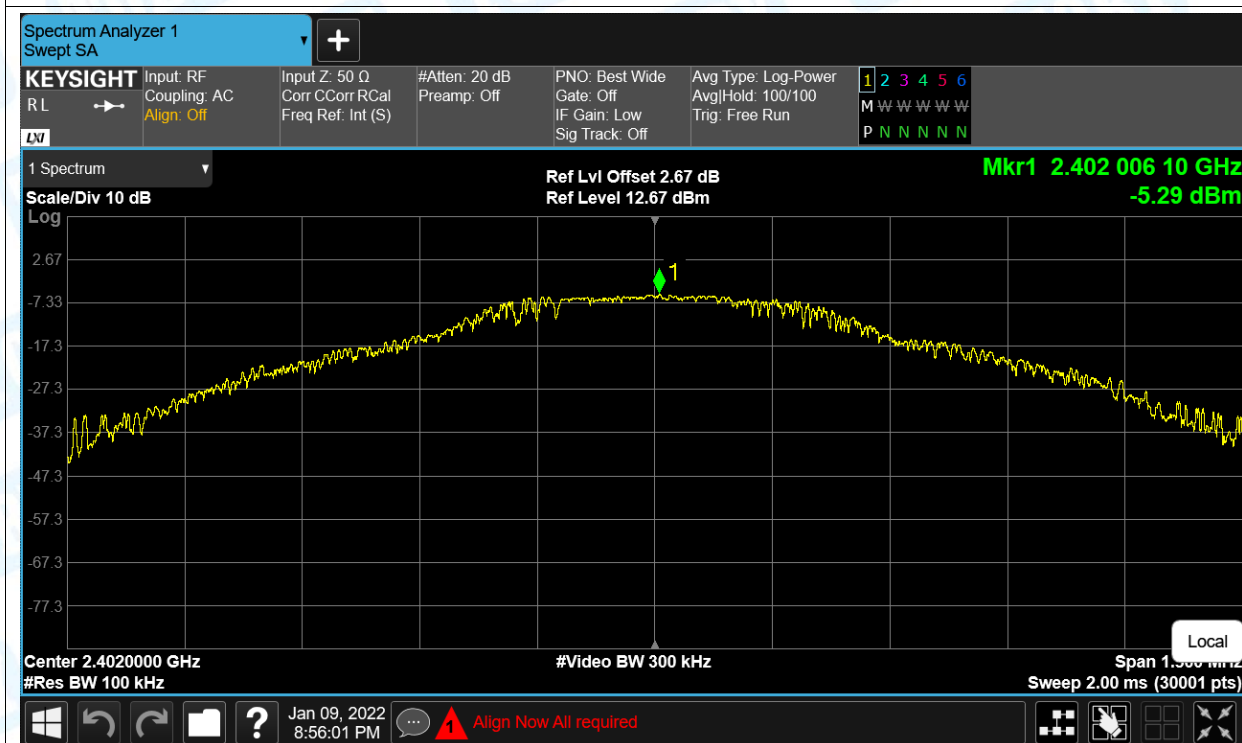


Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-44.85	-20	Pass
NVNT	1-DH1	2441	Ant1	-40.29	-20	Pass
NVNT	1-DH1	2480	Ant1	-42.75	-20	Pass
NVNT	2-DH1	2402	Ant1	-46.68	-20	Pass
NVNT	2-DH1	2441	Ant1	-46.2	-20	Pass
NVNT	2-DH1	2480	Ant1	-42.1	-20	Pass
NVNT	3-DH1	2402	Ant1	-46.77	-20	Pass
NVNT	3-DH1	2441	Ant1	-45.28	-20	Pass
NVNT	3-DH1	2480	Ant1	-45.46	-20	Pass

Test Graphs

Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission

