

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

General Description of EUT	
Product Name:	AMX-131
Test Model:	AMX-131
Sample ID:	20210910-13-2#
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-FCC185864	

1. Maximum Conducted Output Power

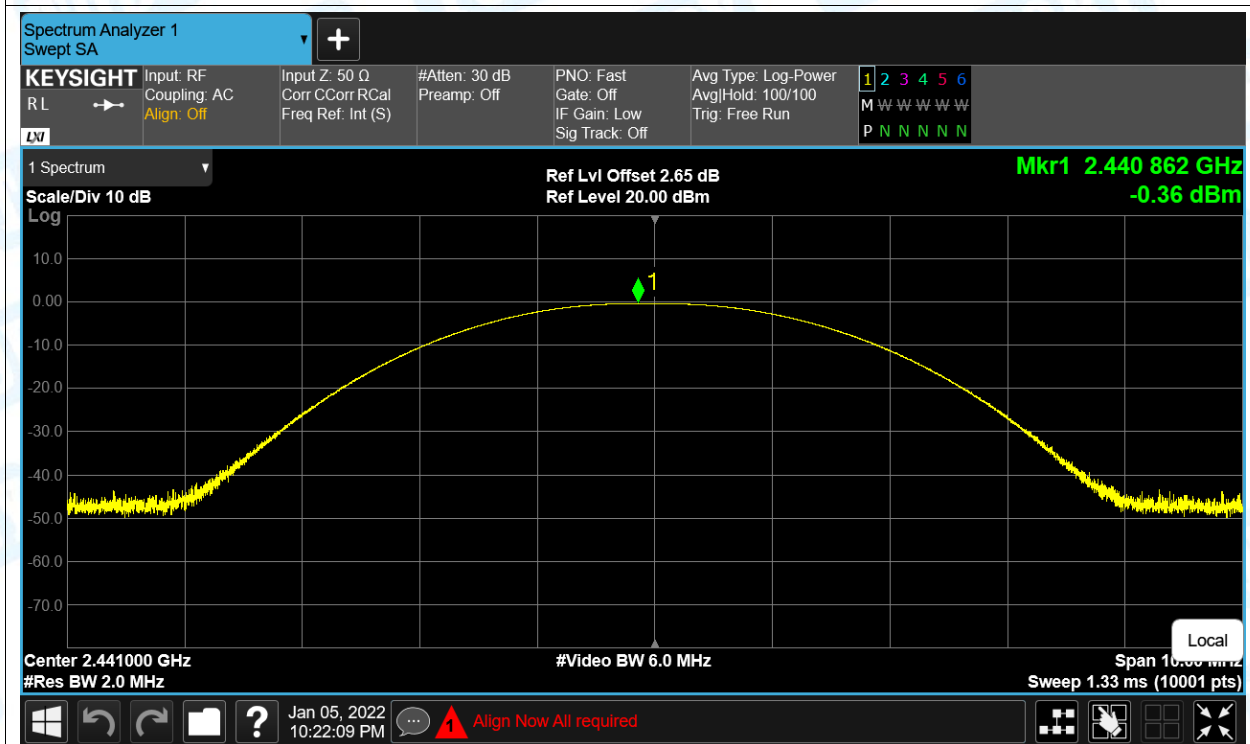
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	0.412	0	0.412	21	Pass
NVNT	1-DH1	2441	Ant1	-0.359	0	-0.359	21	Pass
NVNT	1-DH1	2480	Ant1	-1.031	0	-1.031	21	Pass
NVNT	2-DH1	2402	Ant1	0.39	0	0.39	21	Pass
NVNT	2-DH1	2441	Ant1	-0.37	0	-0.37	21	Pass
NVNT	2-DH1	2480	Ant1	-1.045	0	-1.045	21	Pass
NVNT	3-DH1	2402	Ant1	0.369	0	0.369	21	Pass
NVNT	3-DH1	2441	Ant1	-0.38	0	-0.38	21	Pass
NVNT	3-DH1	2480	Ant1	-1.053	0	-1.053	21	Pass

Test Graphs

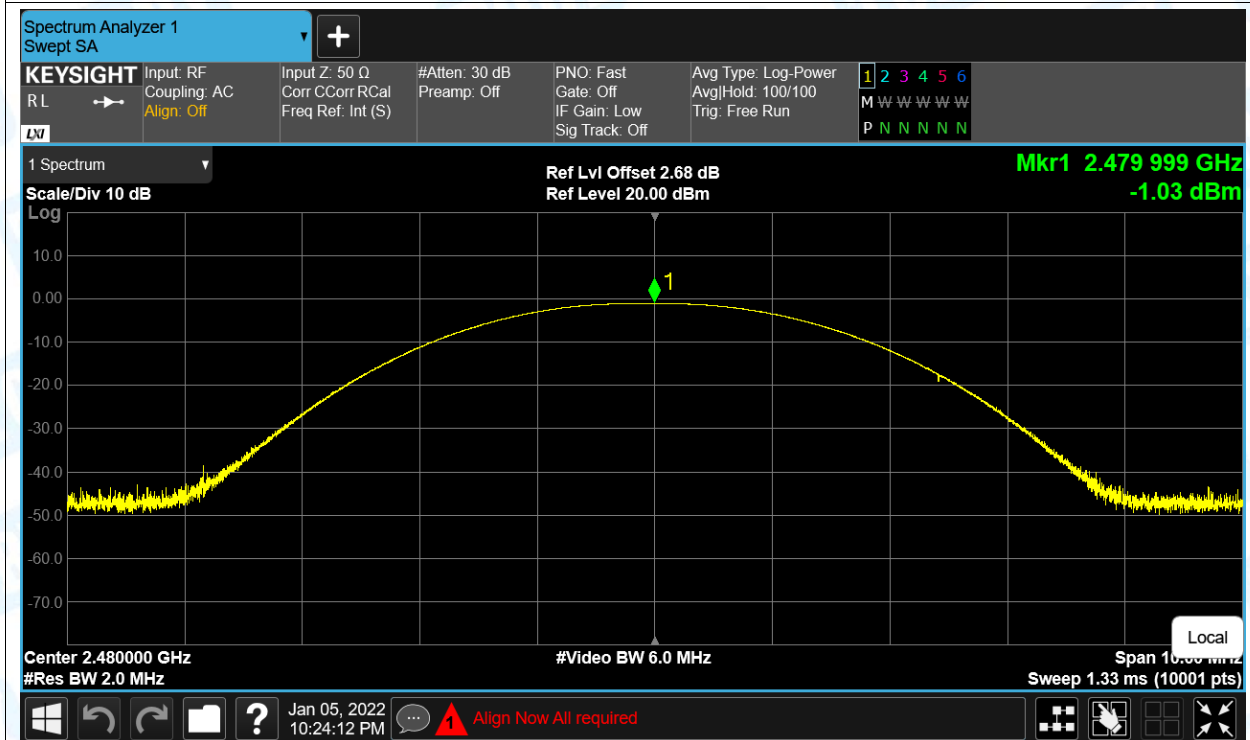
Power NVNT 1-DH1 2402MHz Ant1



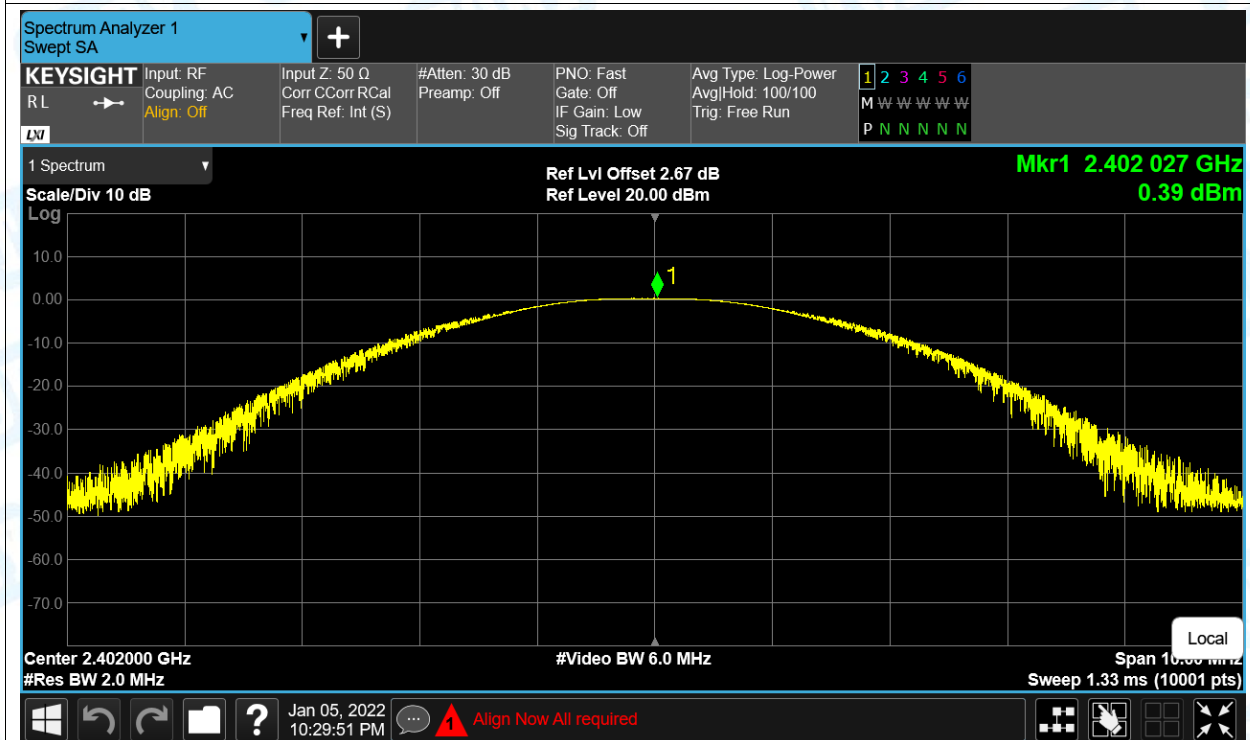
Power NVNT 1-DH1 2441MHz Ant1



Power NVNT 1-DH1 2480MHz Ant1



Power NVNT 2-DH1 2402MHz Ant1



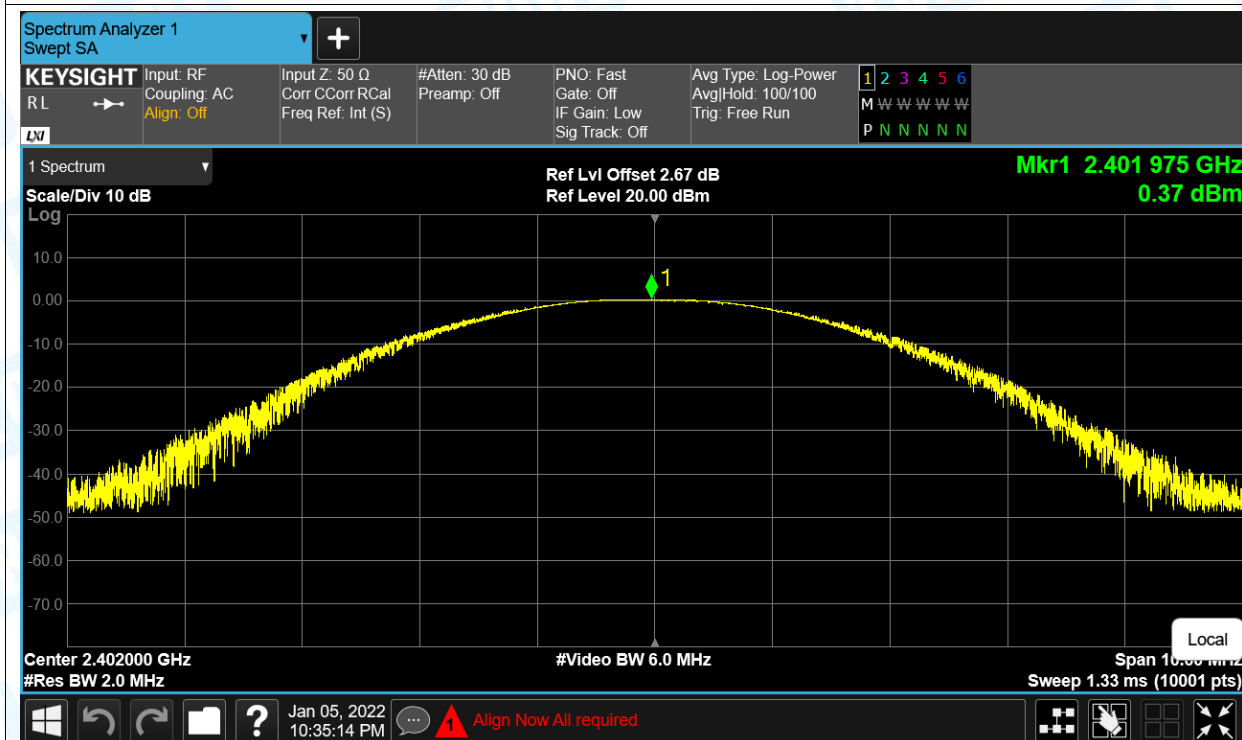
Power NVNT 2-DH1 2441MHz Ant1



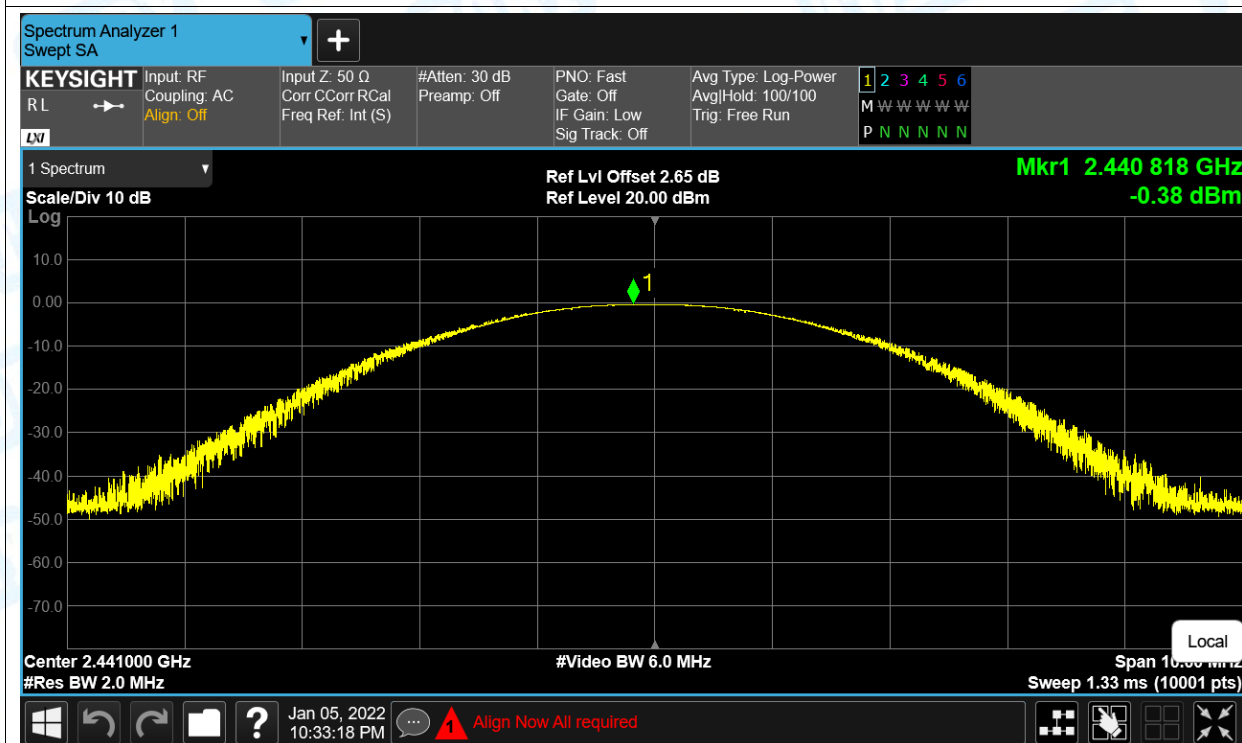
Power NVNT 2-DH1 2480MHz Ant1



Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1



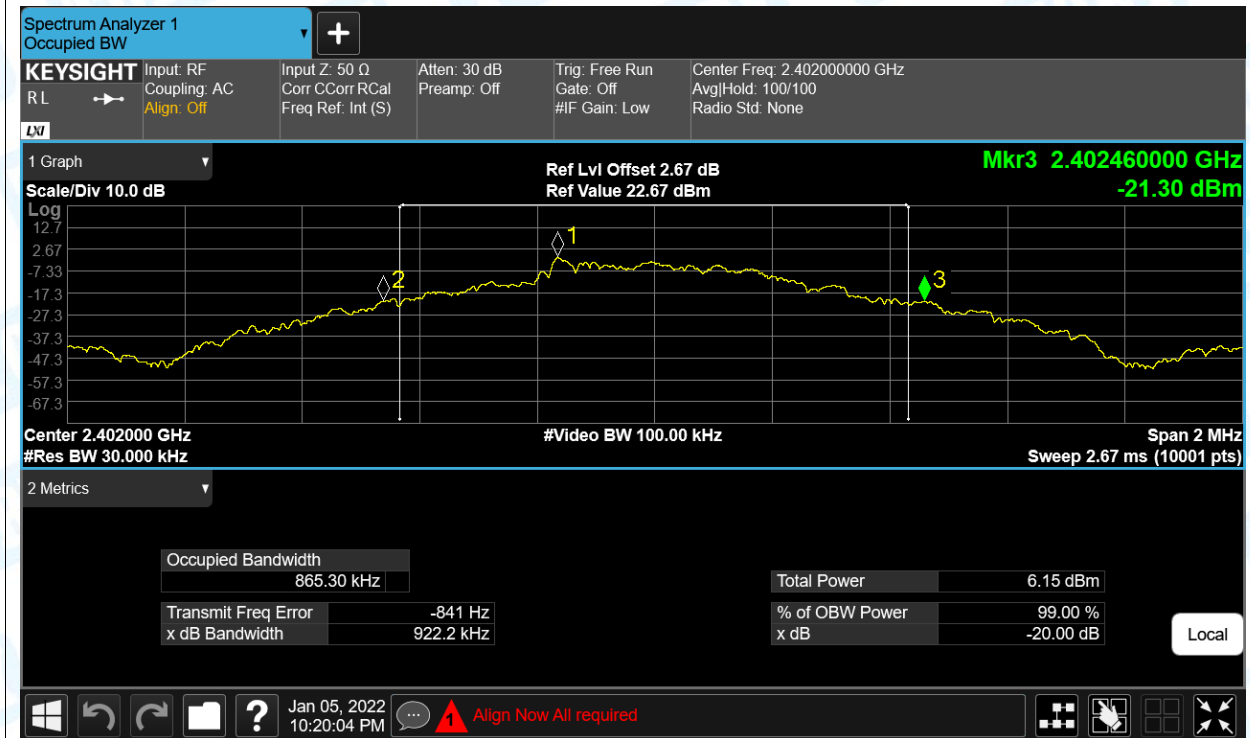


2.-20dB Bandwidth

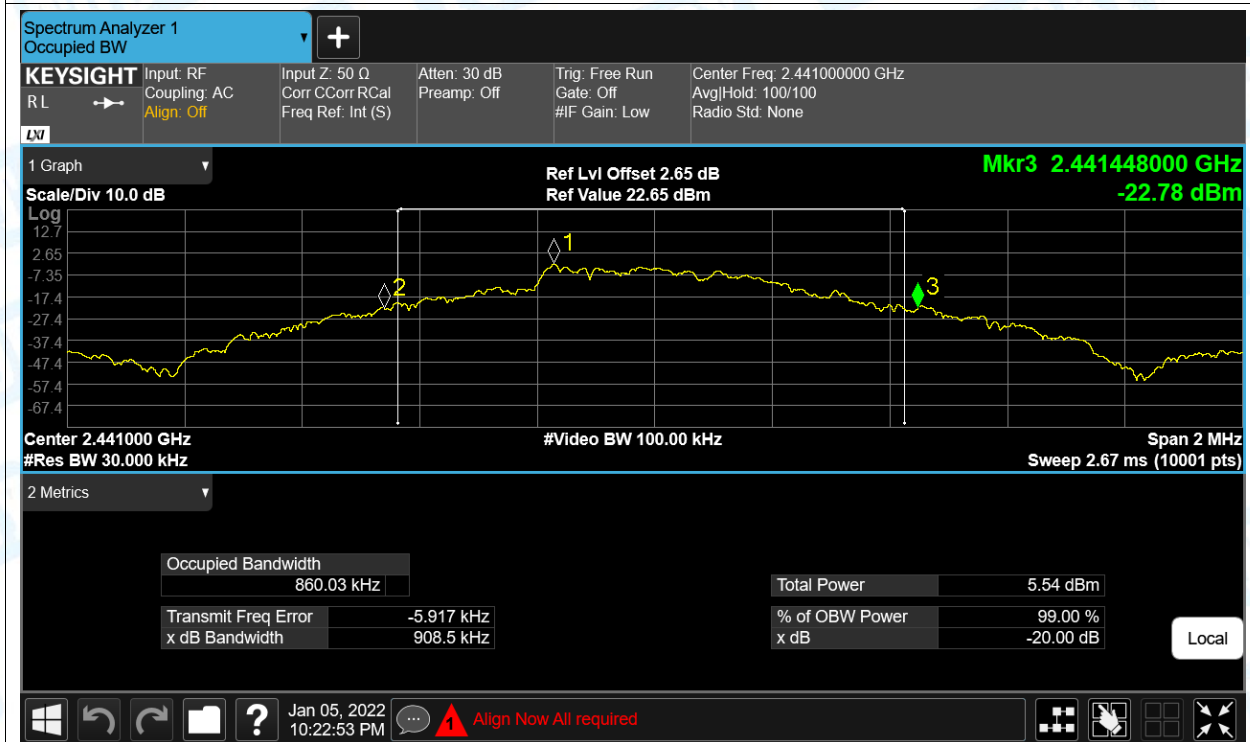
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	2/3 *20dB BW (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	0.92	0.613	Pass
NVNT	1-DH1	2441	Ant1	0.91	0.607	Pass
NVNT	1-DH1	2480	Ant1	0.92	0.613	Pass
NVNT	2-DH1	2402	Ant1	1.26	0.84	Pass
NVNT	2-DH1	2441	Ant1	1.22	0.813	Pass
NVNT	2-DH1	2480	Ant1	1.22	0.813	Pass
NVNT	3-DH1	2402	Ant1	1.23	0.82	Pass
NVNT	3-DH1	2441	Ant1	1.22	0.813	Pass
NVNT	3-DH1	2480	Ant1	1.23	0.82	Pass

Test Graphs

-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



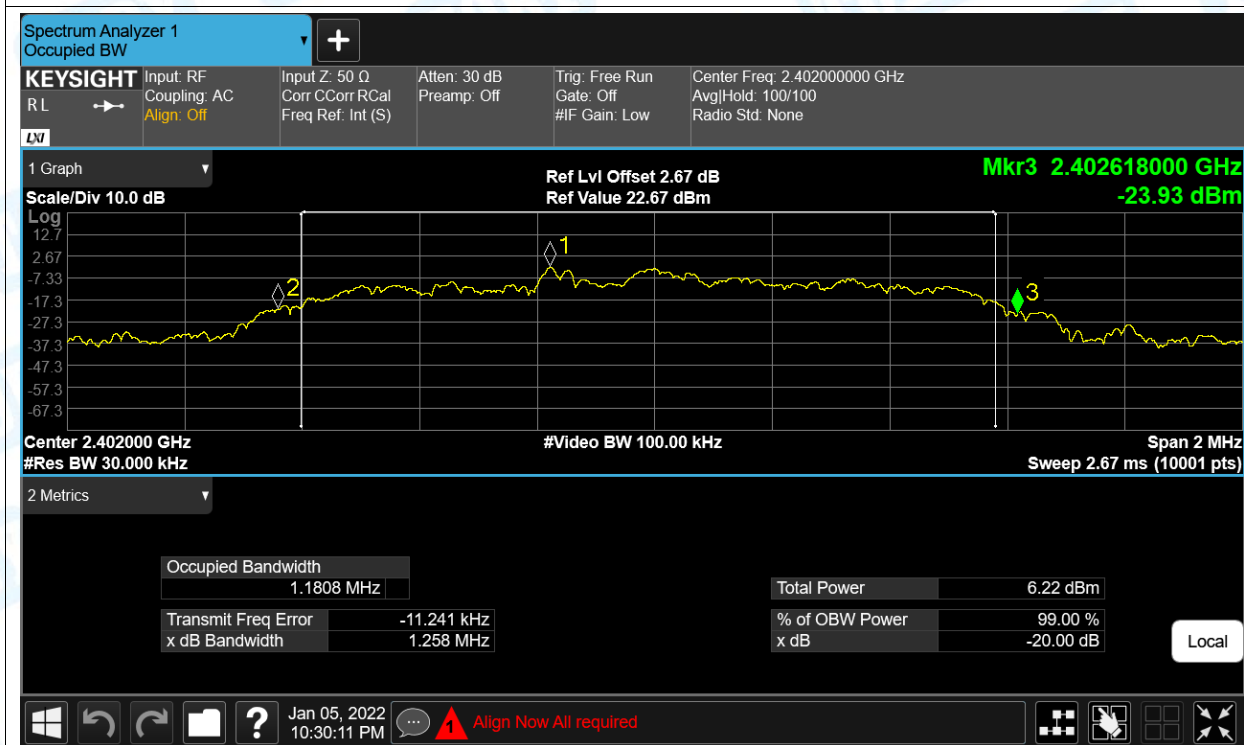
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



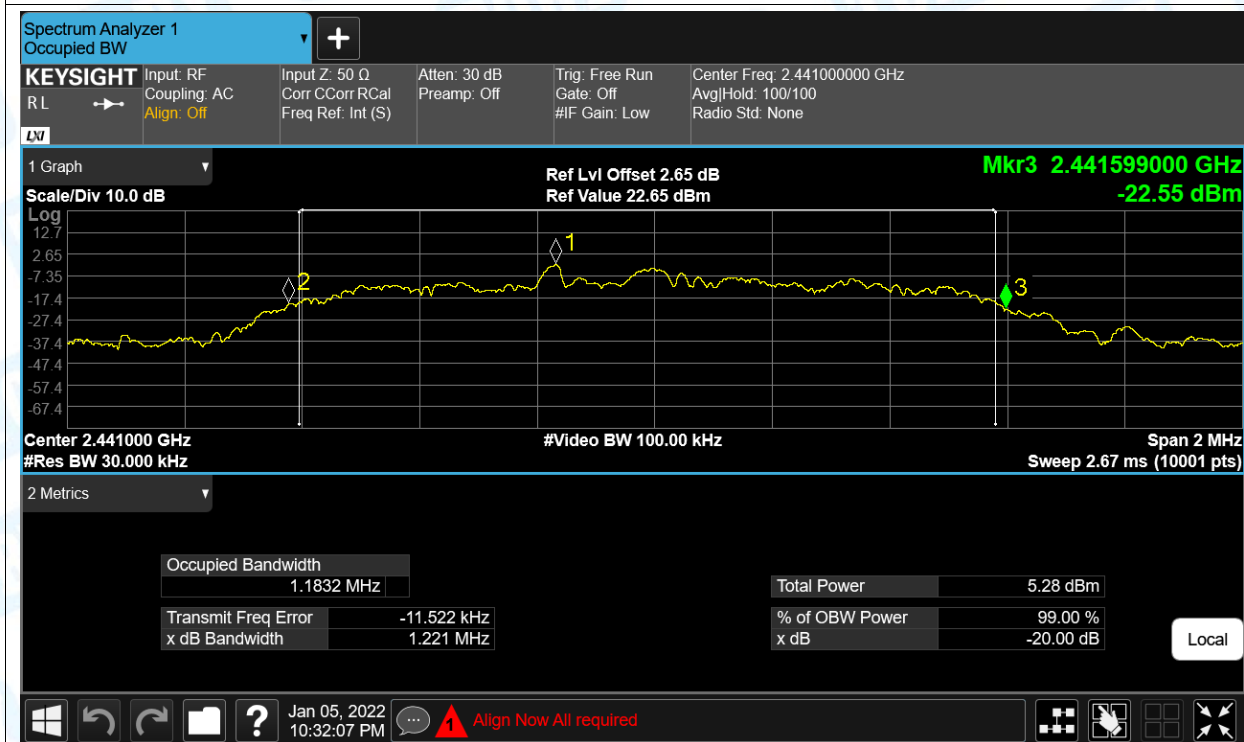
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



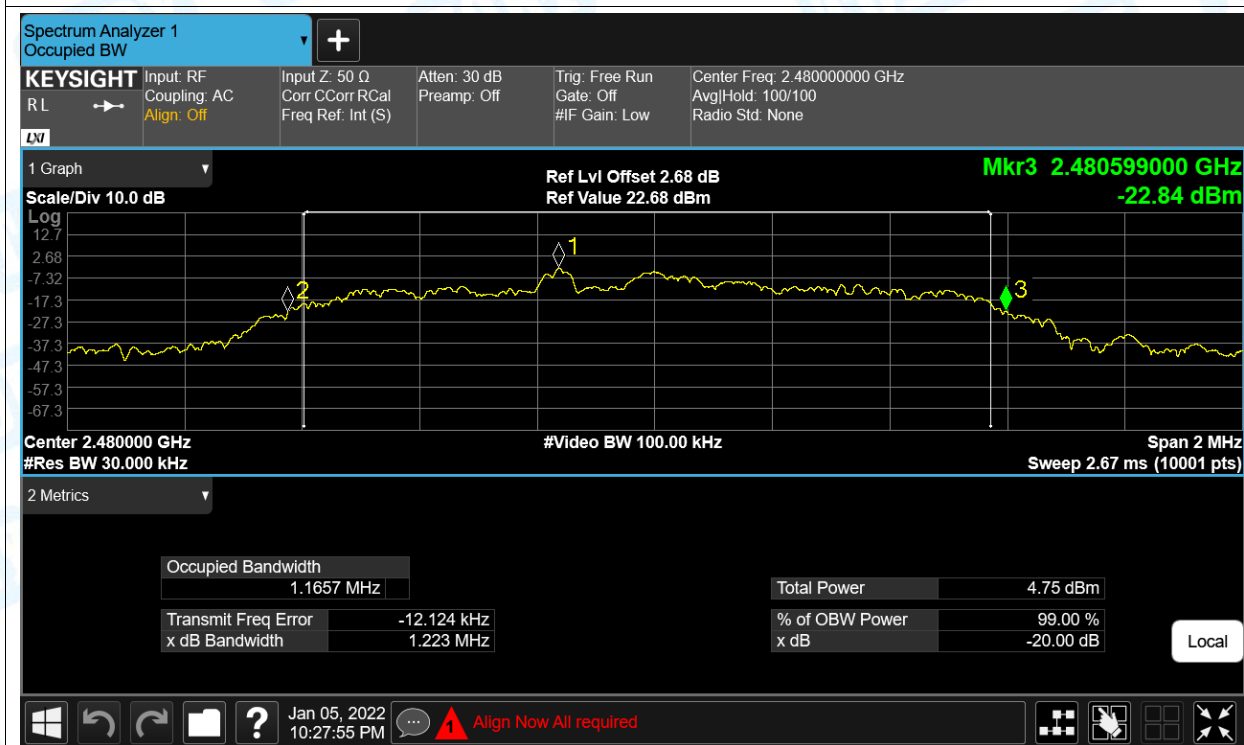
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



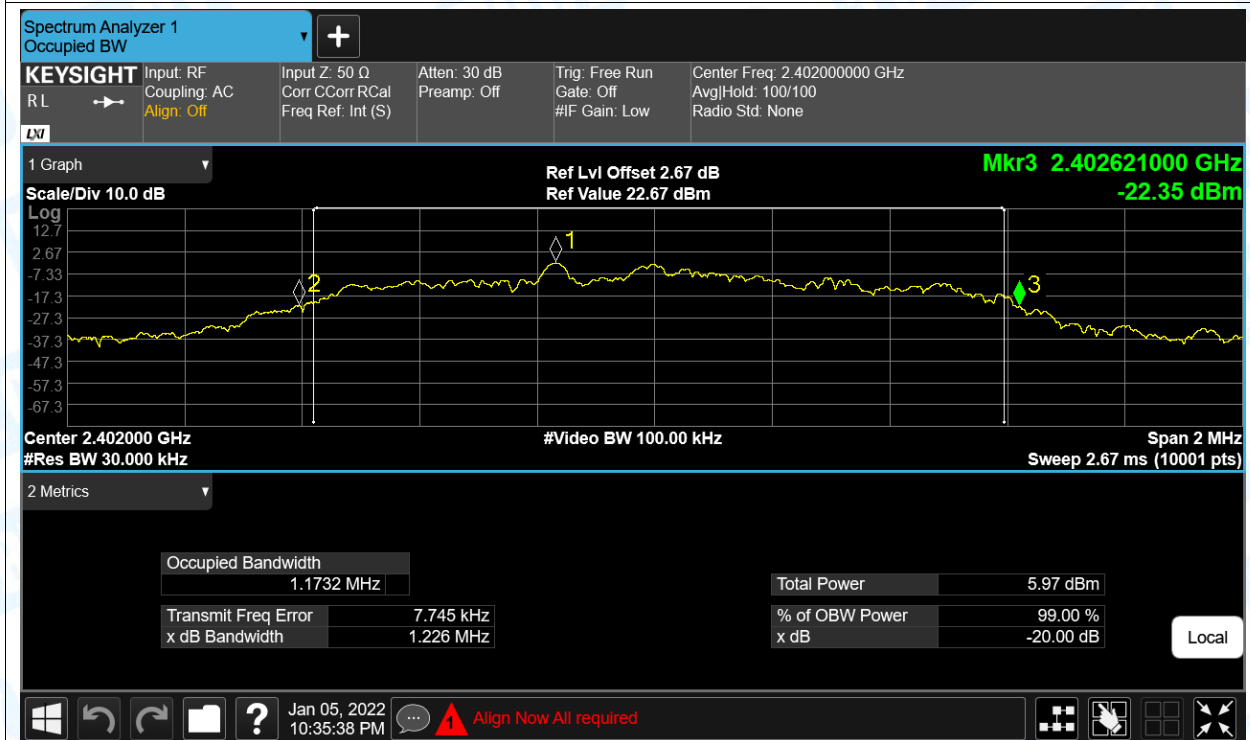
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



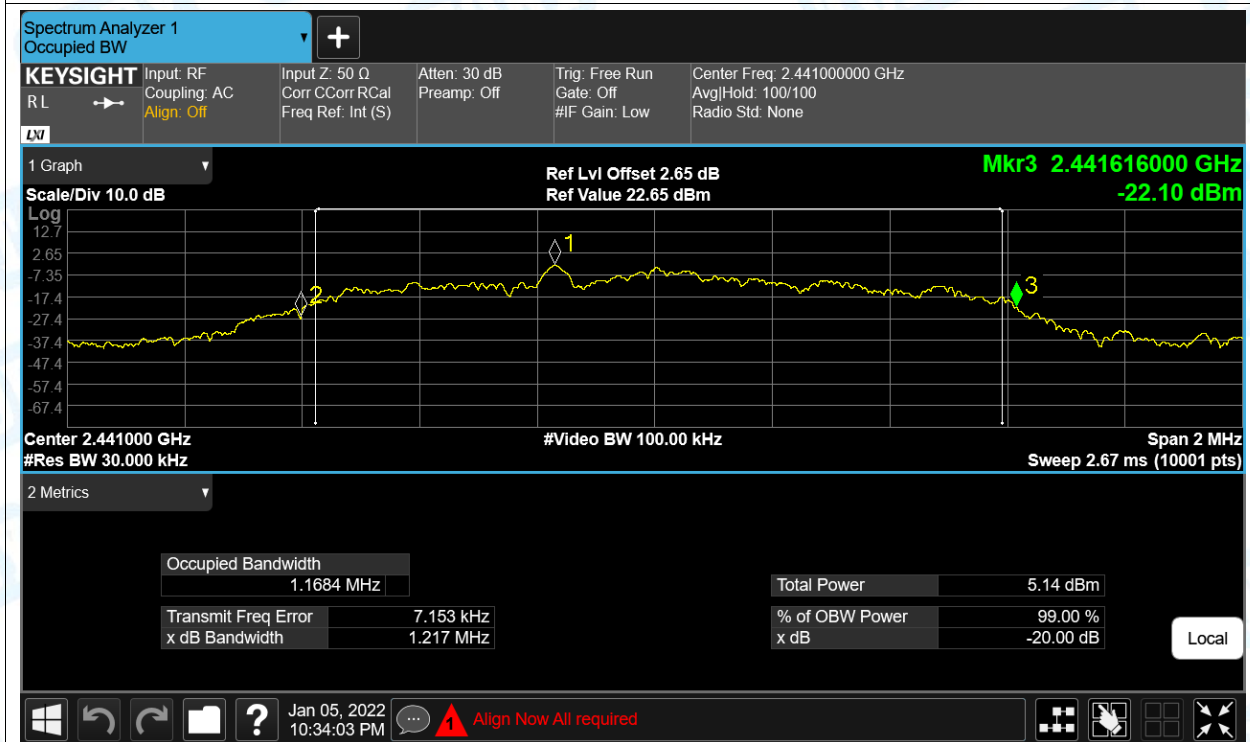
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

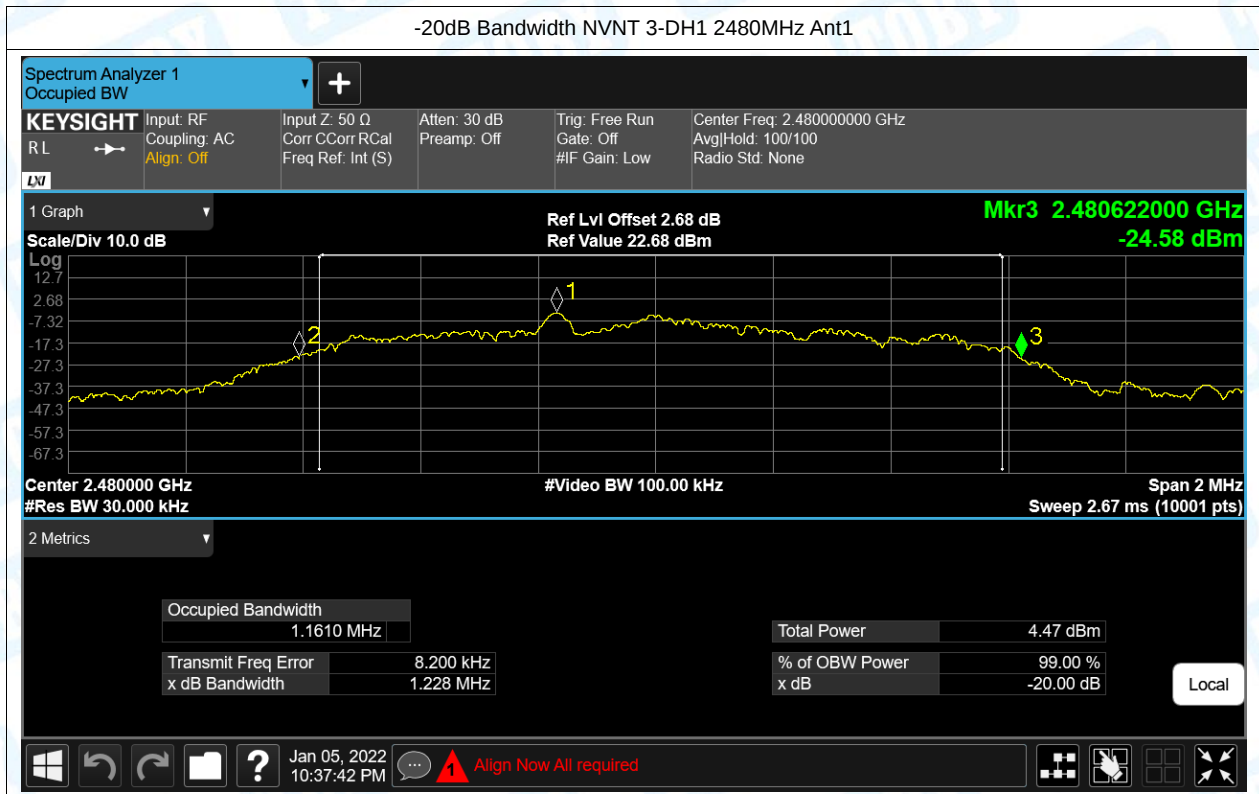


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



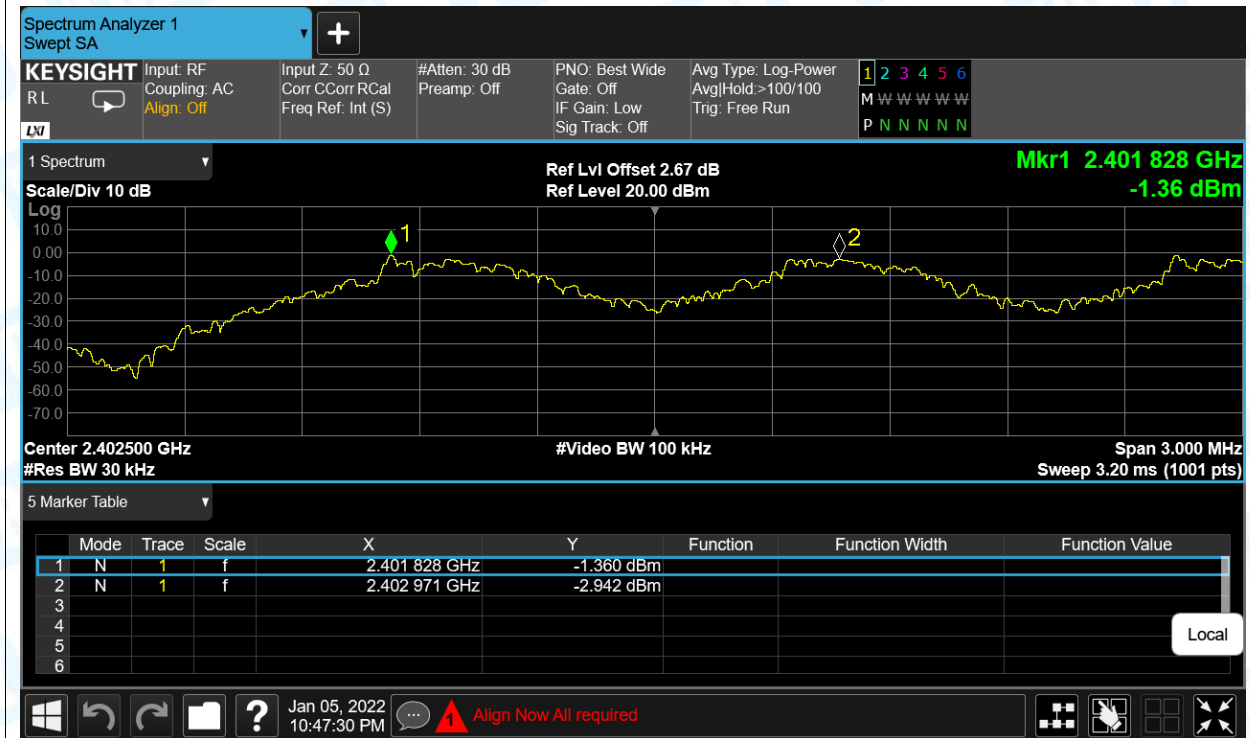


3.Carrier Frequencies Separation

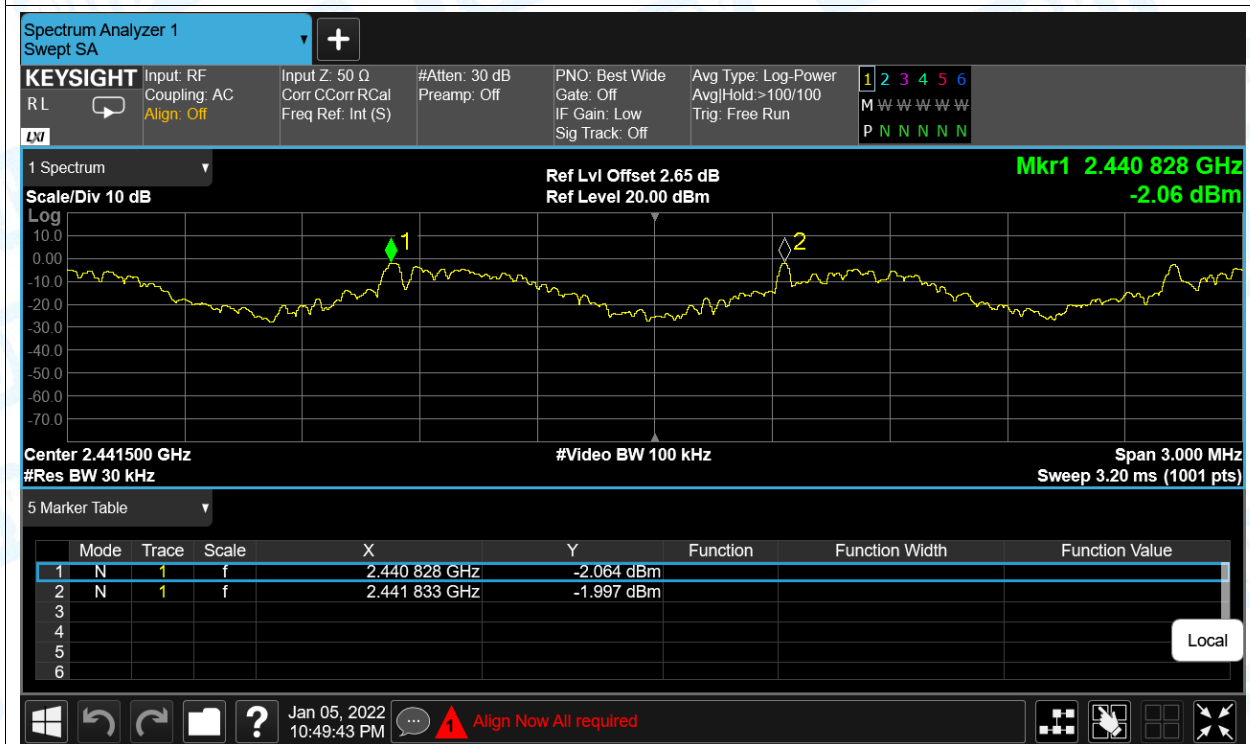
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	Ant1	2401.828	2402.971	1.143	0.613	Pass
NVNT	1-DH1	Ant1	2440.828	2441.833	1.005	0.607	Pass
NVNT	1-DH1	Ant1	2478.831	2479.89	1.059	0.613	Pass
NVNT	2-DH1	Ant1	2401.882	2402.995	1.113	0.84	Pass
NVNT	2-DH1	Ant1	2440.843	2441.836	0.993	0.813	Pass
NVNT	2-DH1	Ant1	2478.897	2479.83	0.933	0.813	Pass
NVNT	3-DH1	Ant1	2401.84	2402.833	0.993	0.82	Pass
NVNT	3-DH1	Ant1	2440.828	2441.824	0.996	0.813	Pass
NVNT	3-DH1	Ant1	2478.975	2480.001	1.026	0.82	Pass

Test Graphs

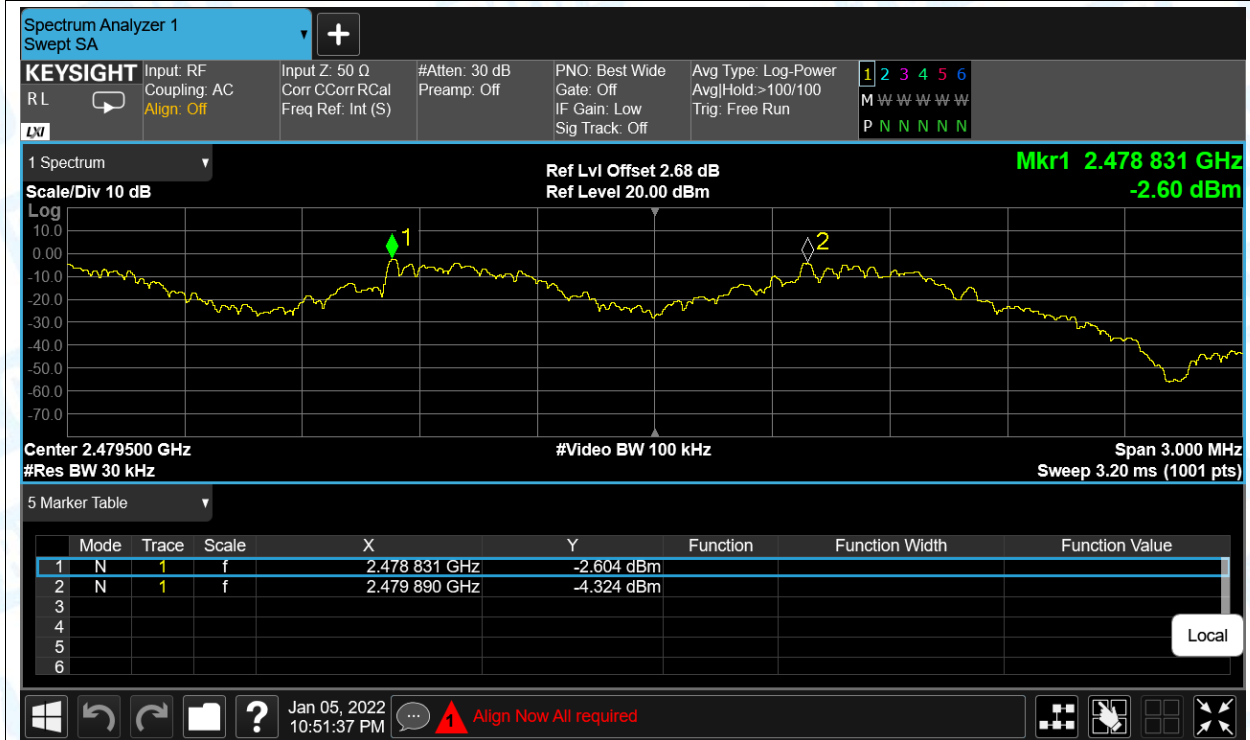
CFS NVNT 1-DH1 2402MHz Ant1



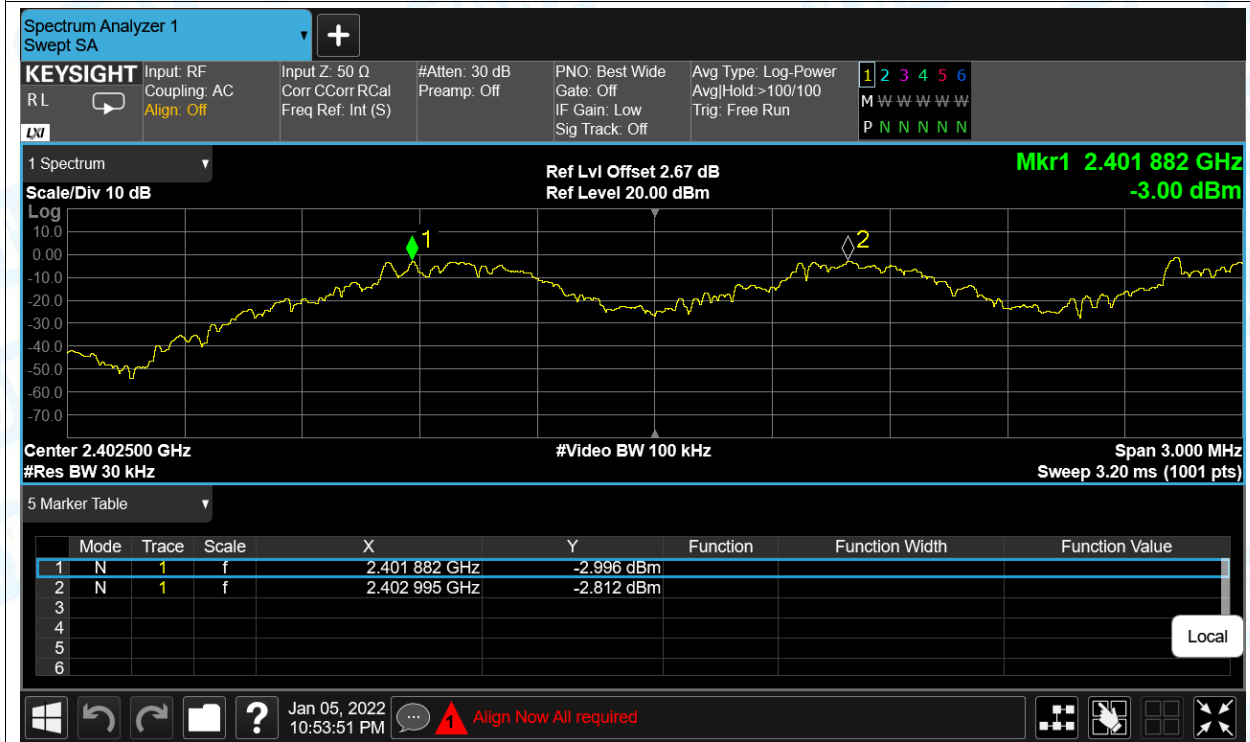
CFS NVNT 1-DH1 2441MHz Ant1



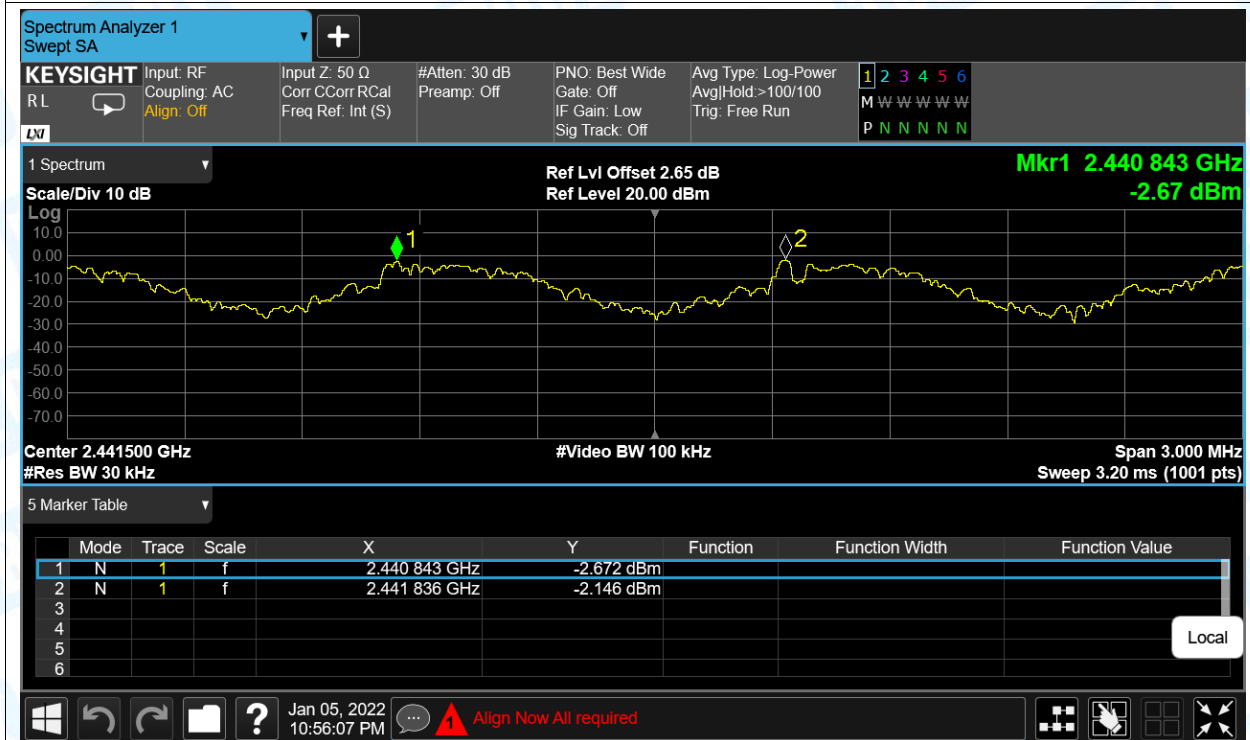
CFS NVNT 1-DH1 2480MHz Ant1



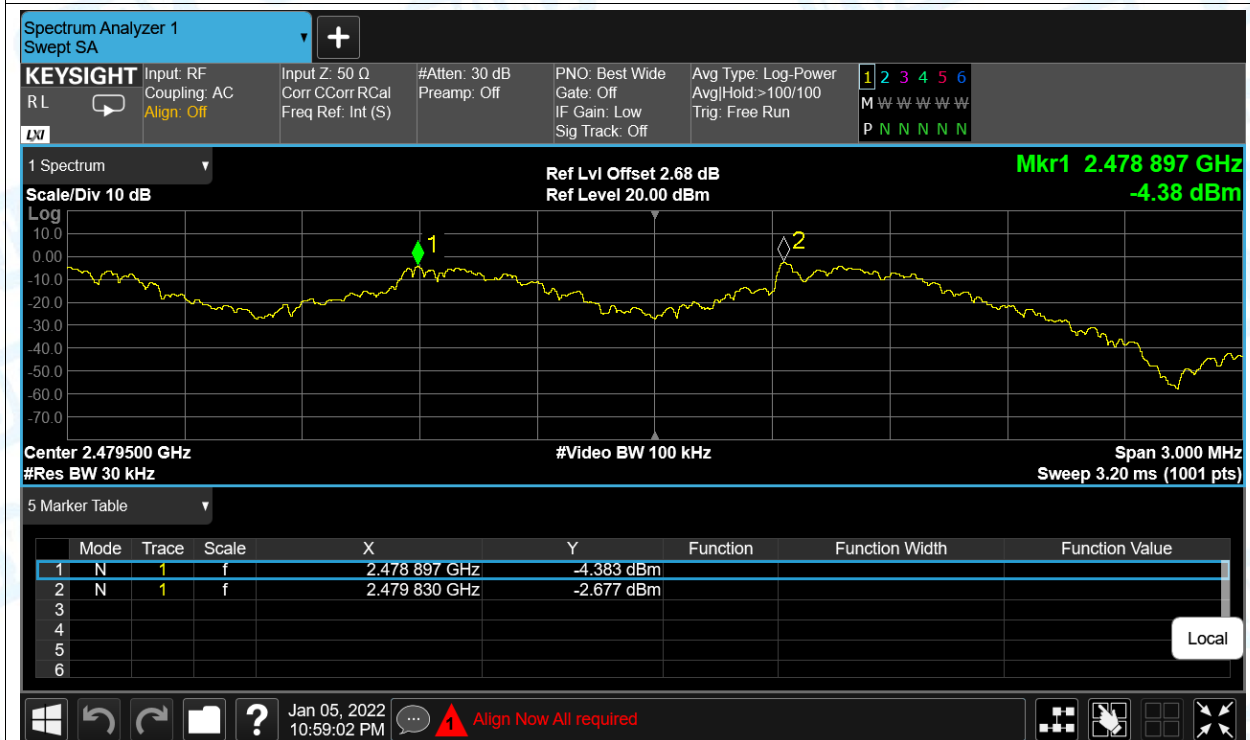
CFS NVNT 2-DH1 2402MHz Ant1



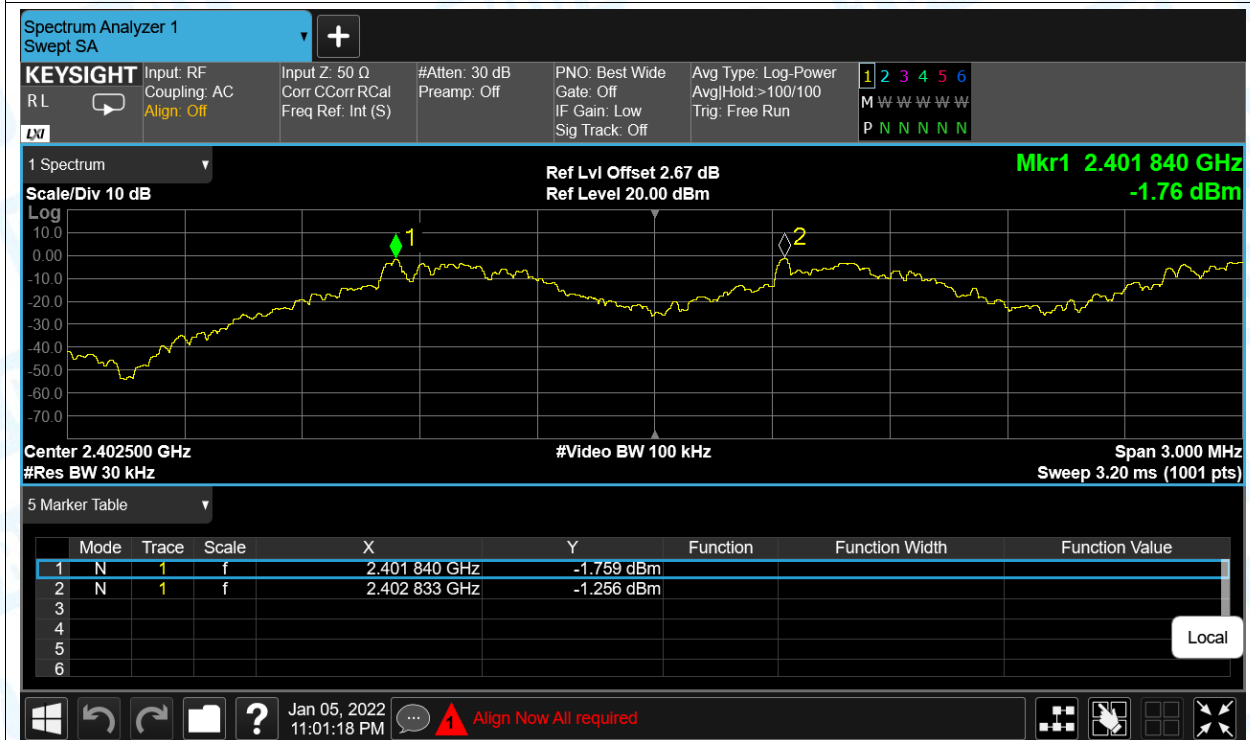
CFS NVNT 2-DH1 2441MHz Ant1



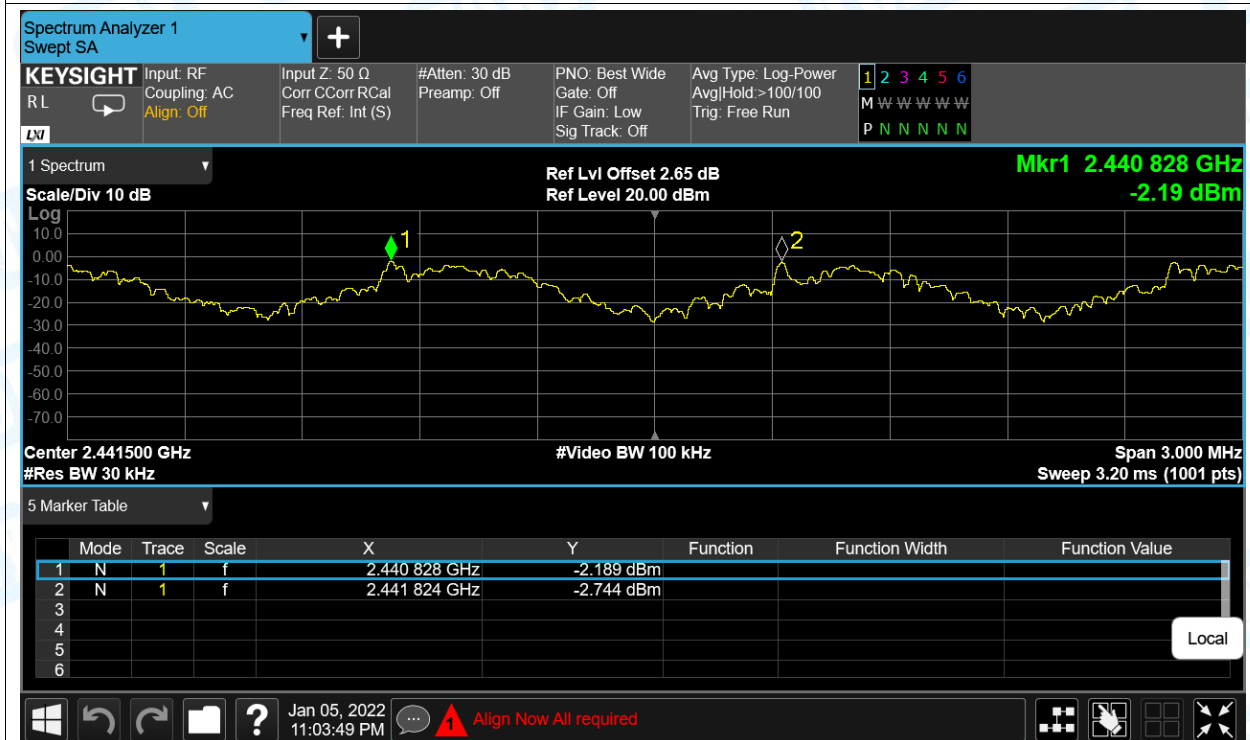
CFS NVNT 2-DH1 2480MHz Ant1

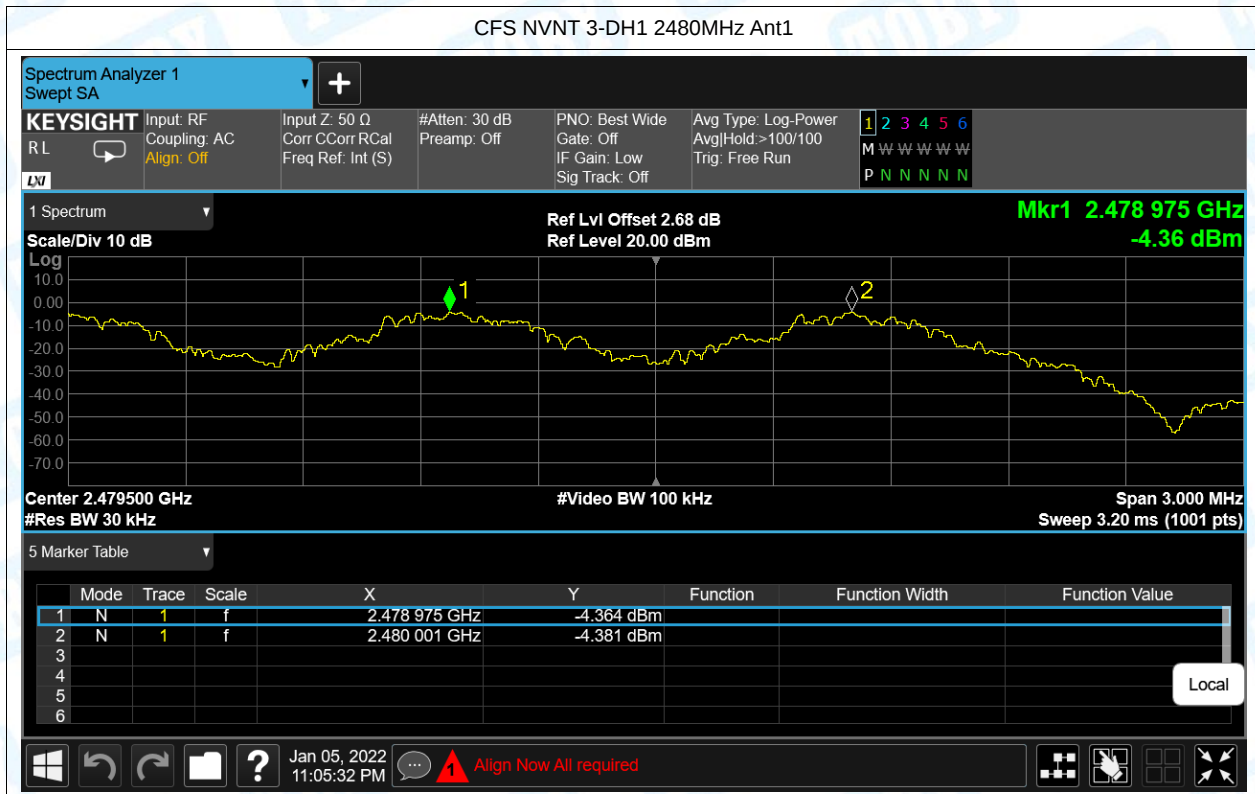


CFS NVNT 3-DH1 2402MHz Ant1



CFS NVNT 3-DH1 2441MHz Ant1

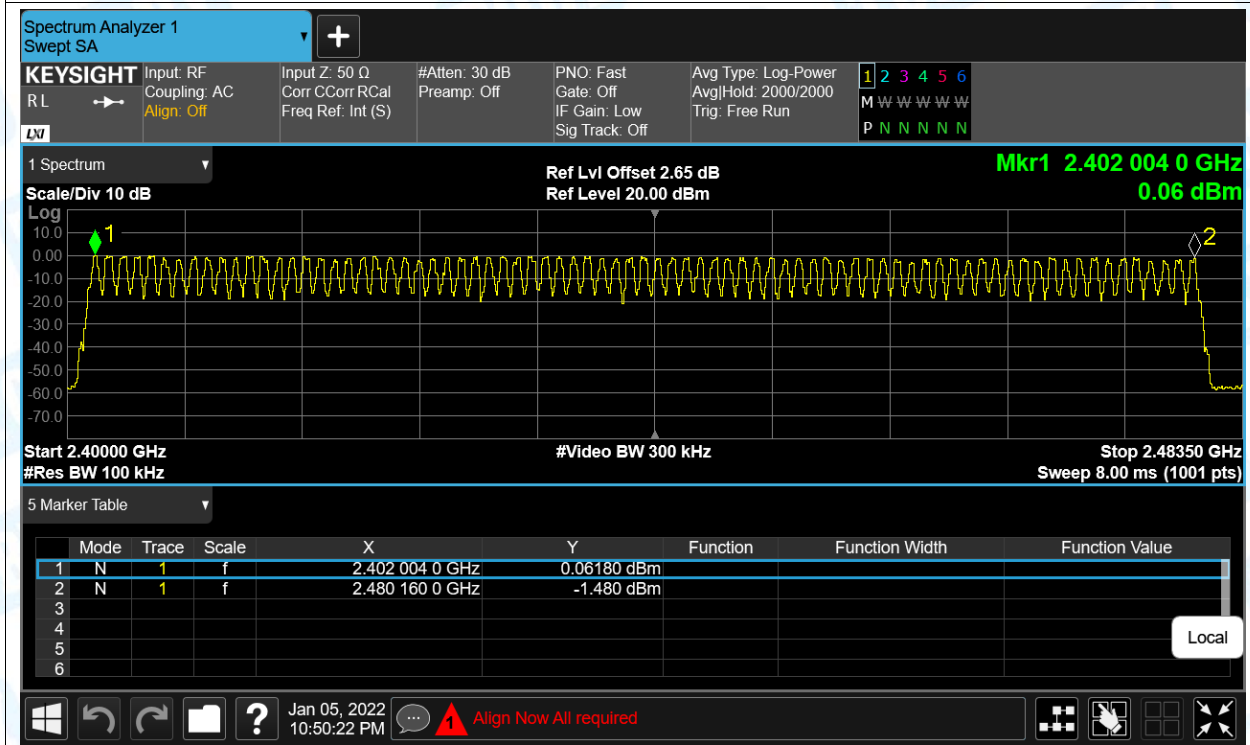




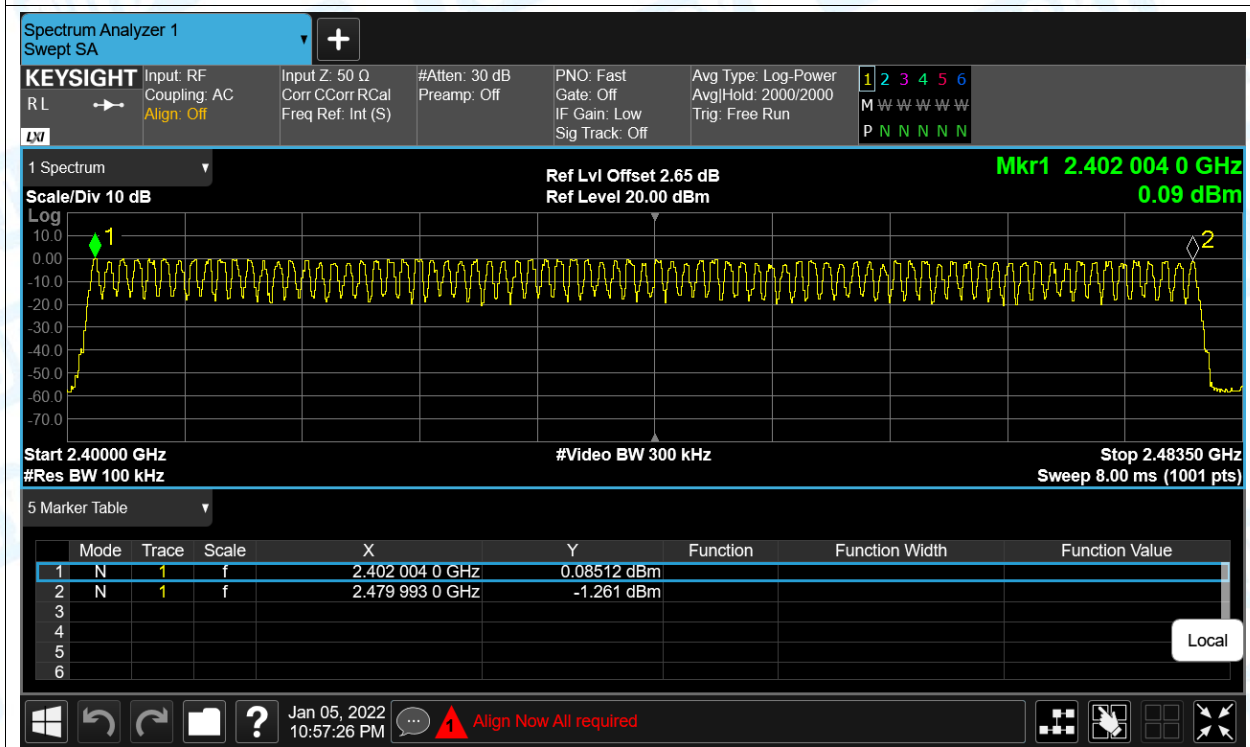
4. Number of Hopping Channel

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

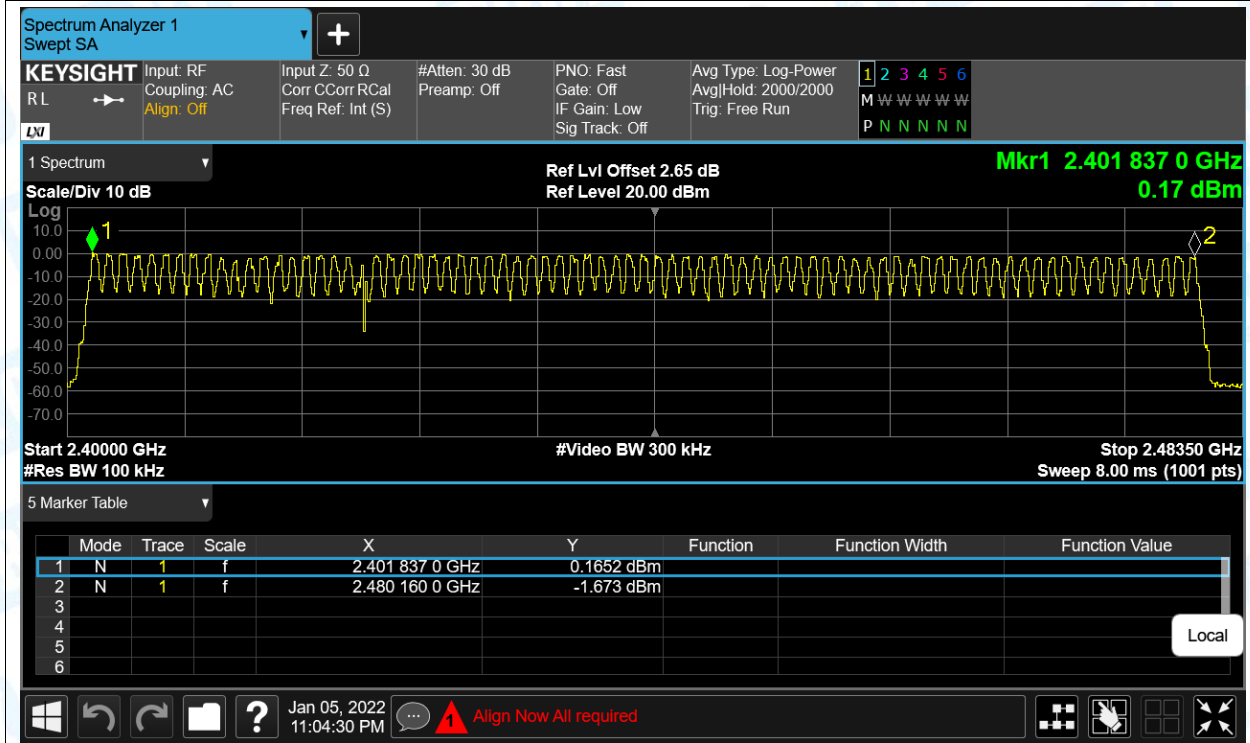
Hopping No. NVNT 1-DH1 2441MHz Ant1



Hopping No. NVNT 2-DH1 2441MHz Ant1



Hopping No. NVNT 3-DH1 2441MHz Ant1

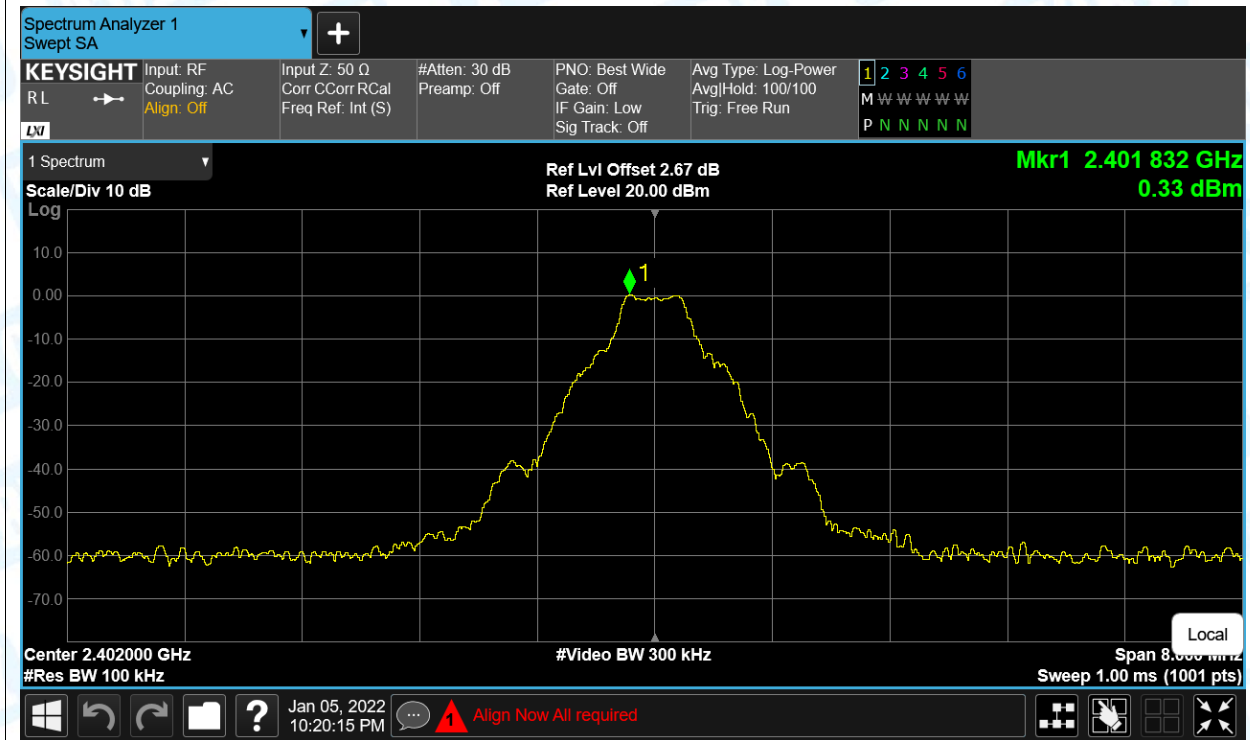


5.Band Edge

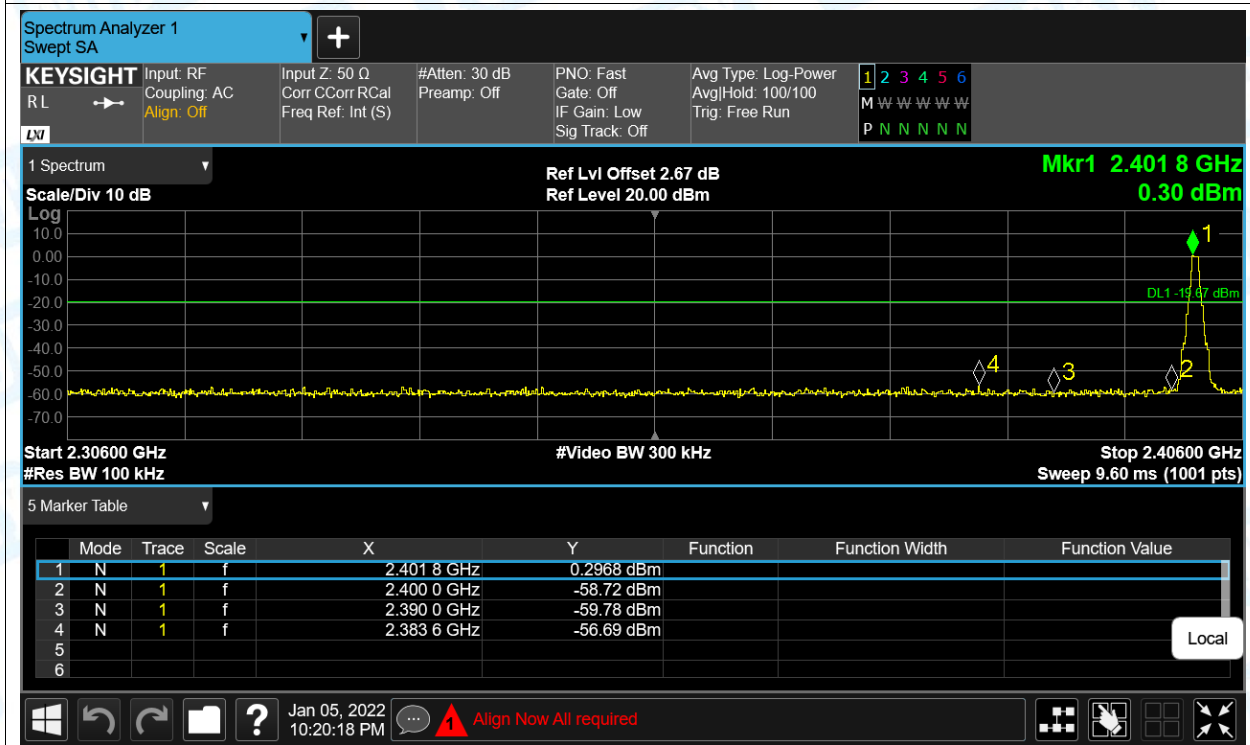
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-57.02	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-55.73	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-56.82	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-56.36	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-56.89	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-55.54	-20	Pass

Test Graphs

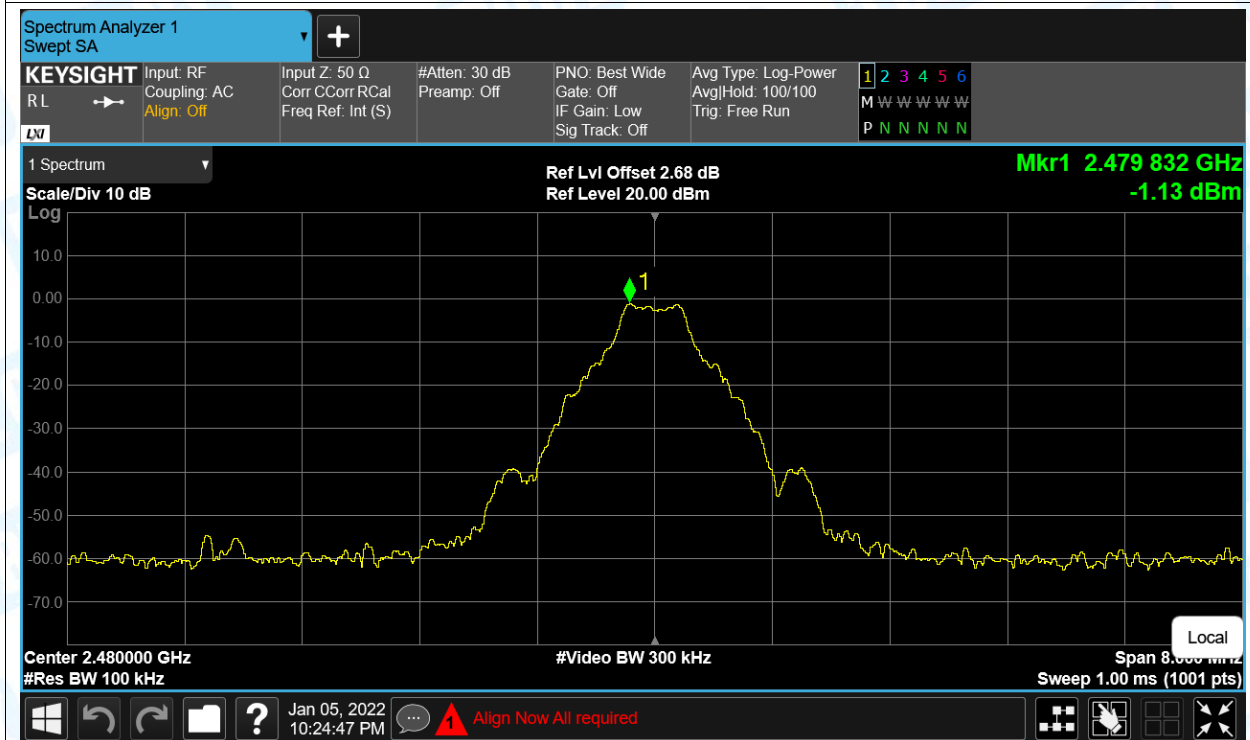
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



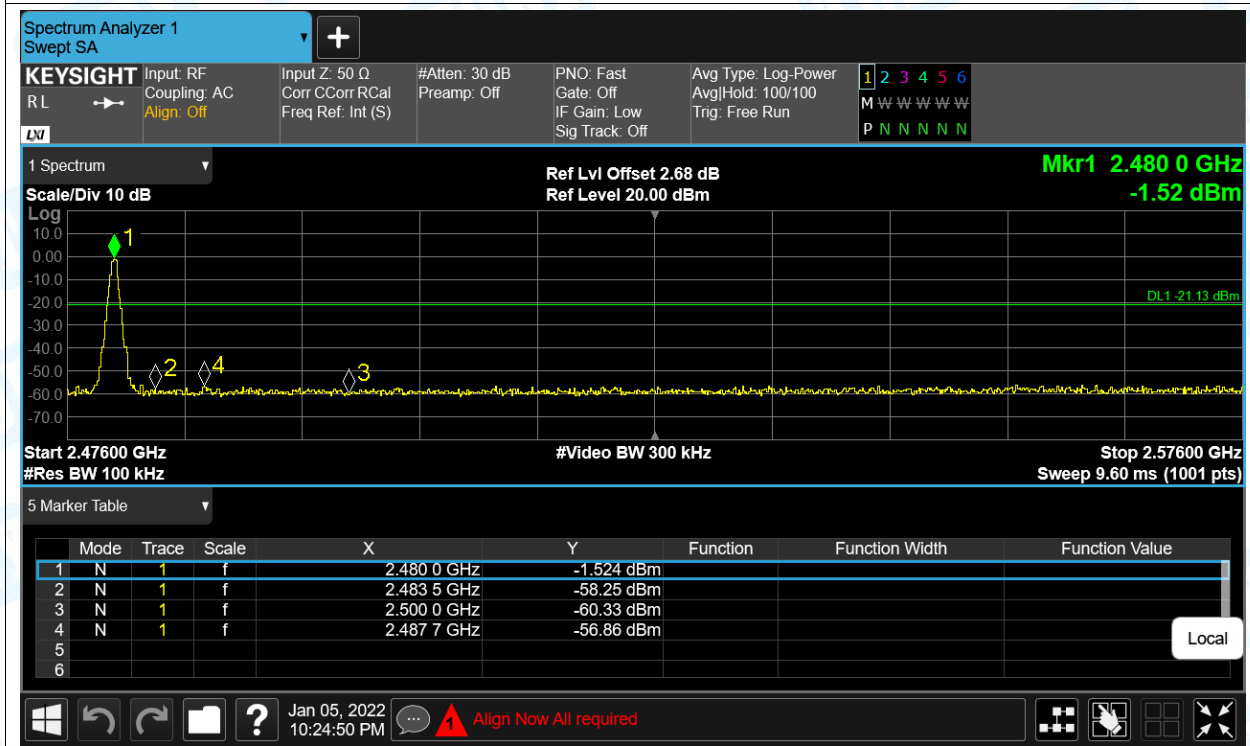
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



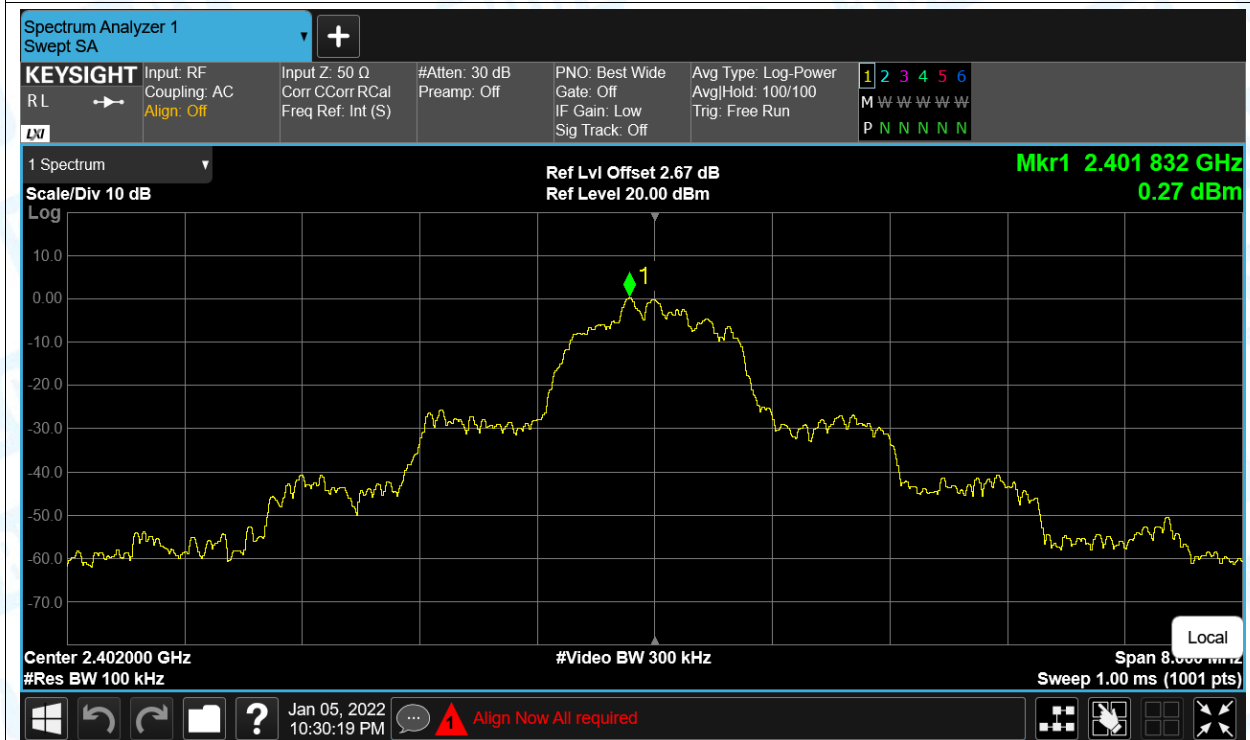
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



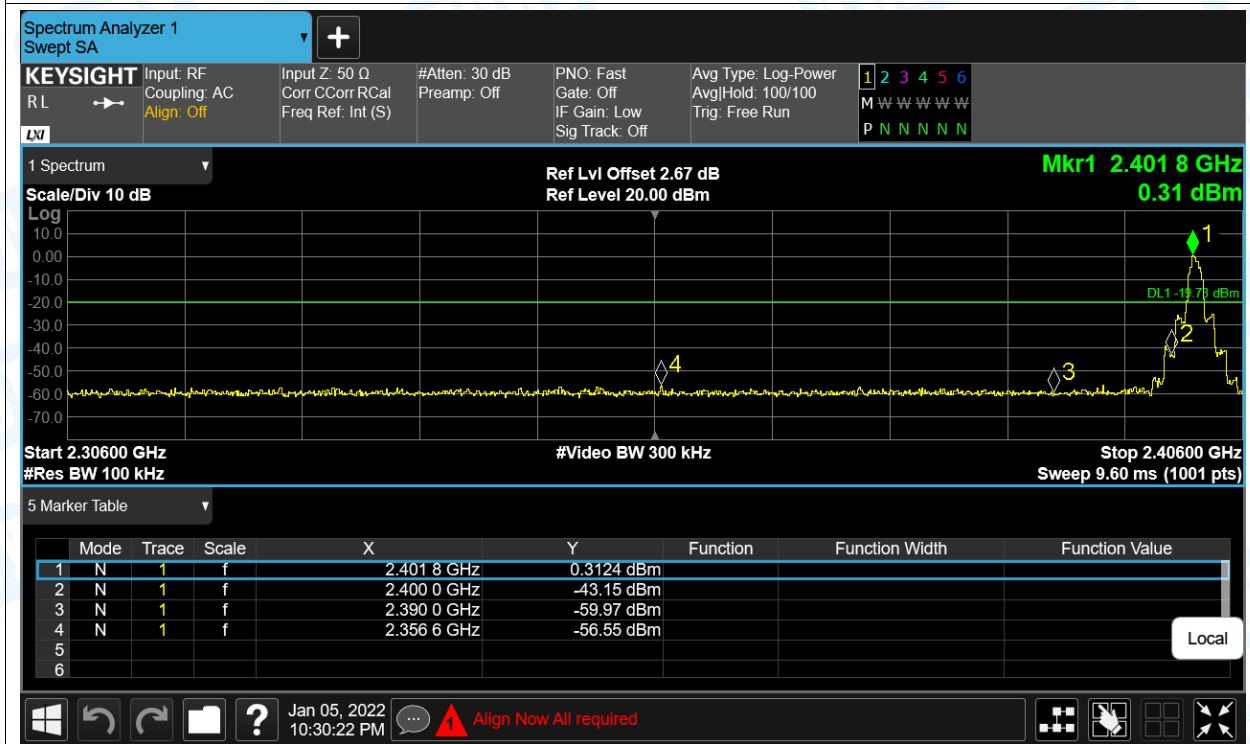
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



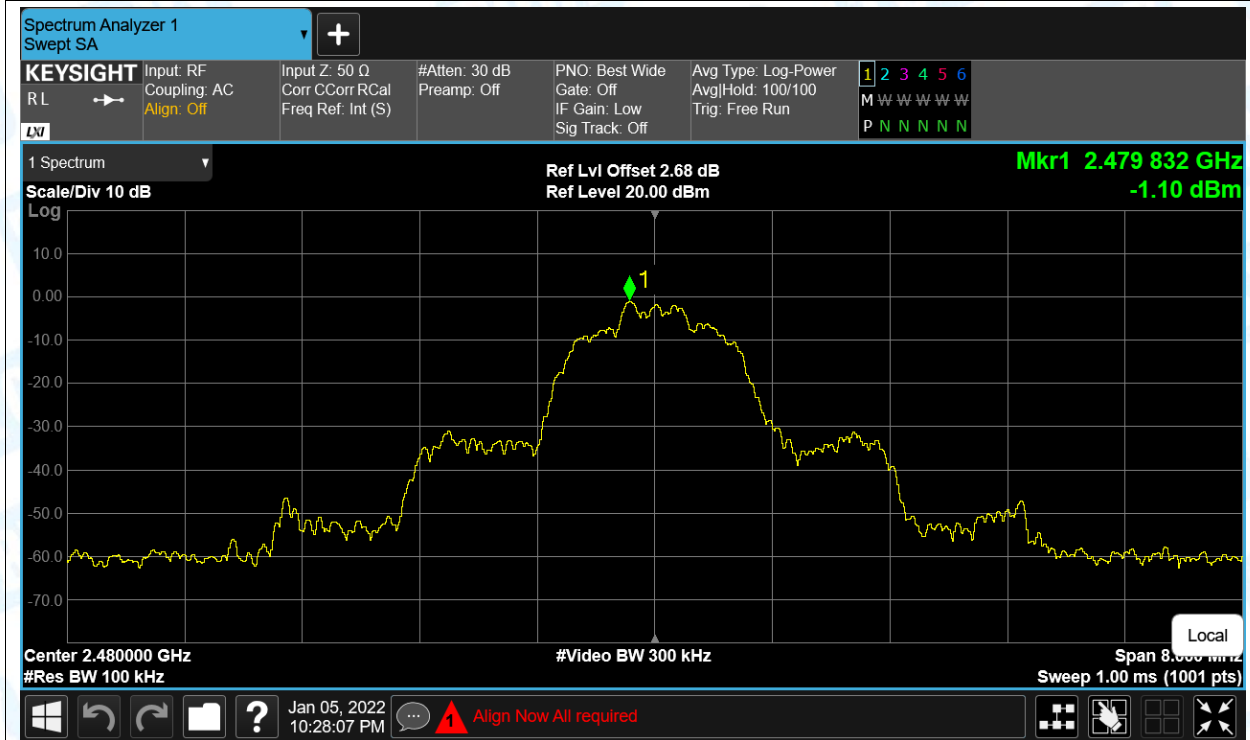
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



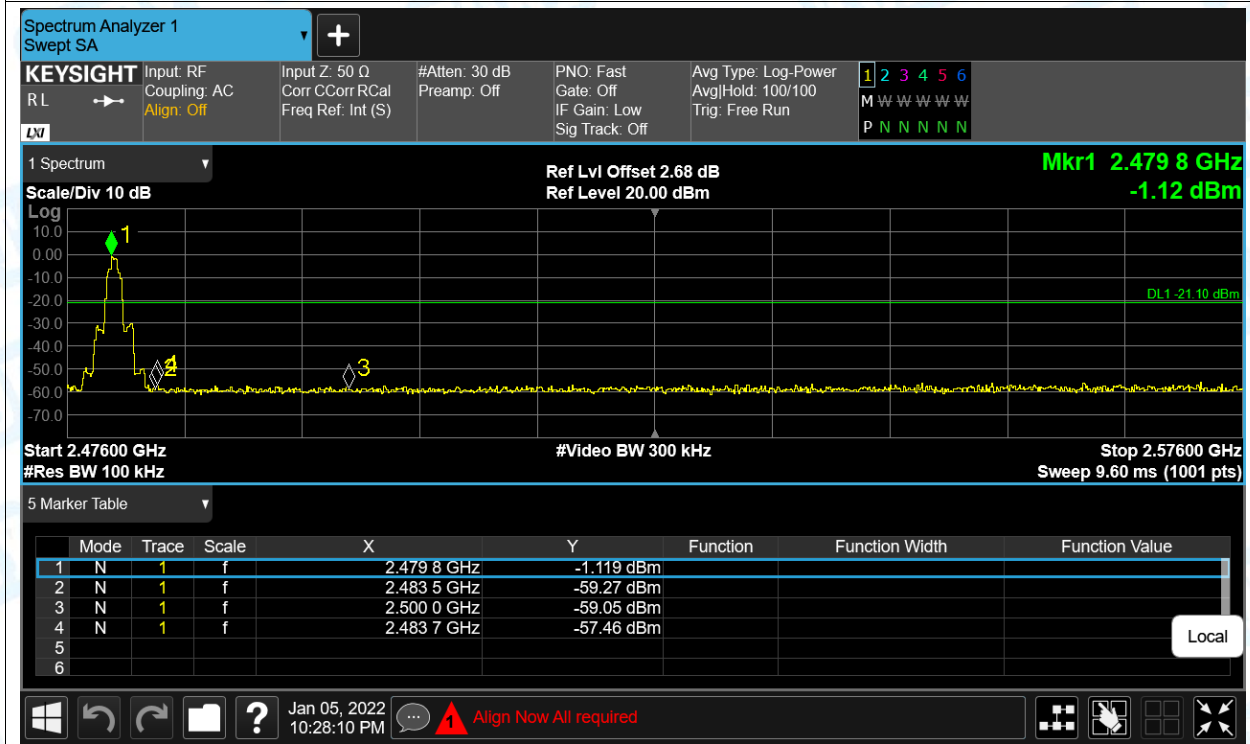
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



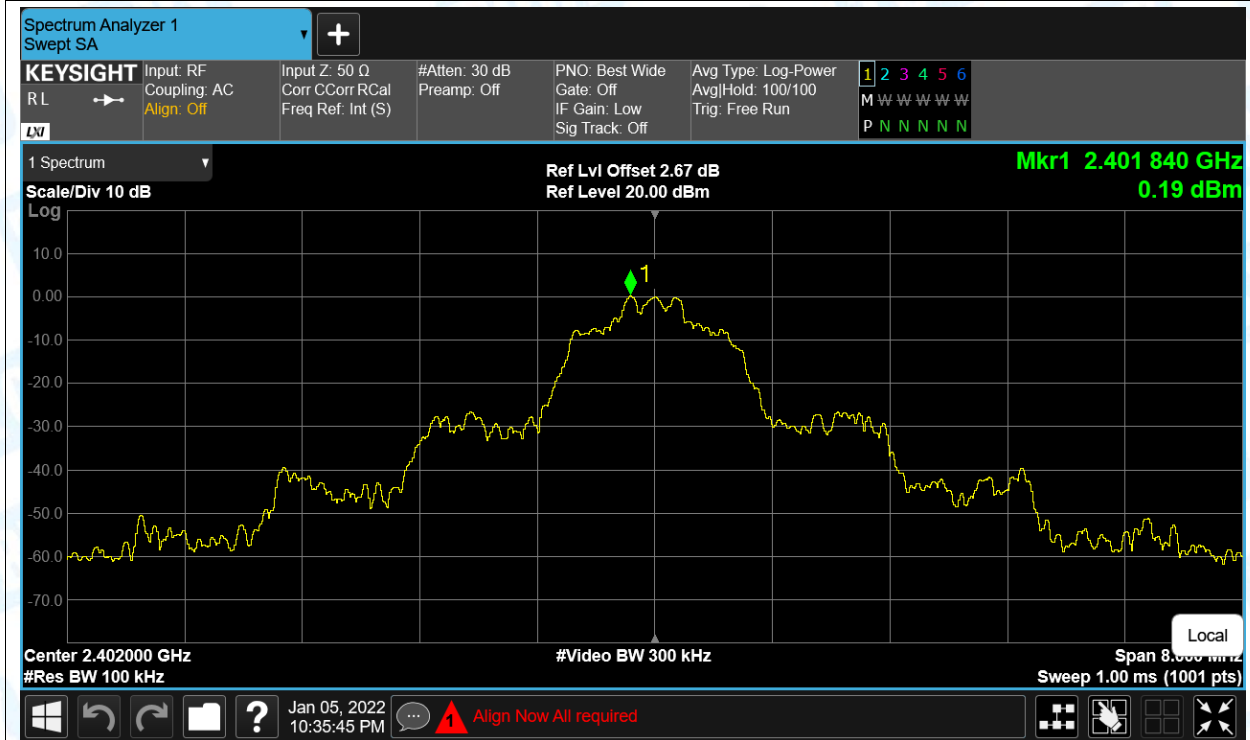
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



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

