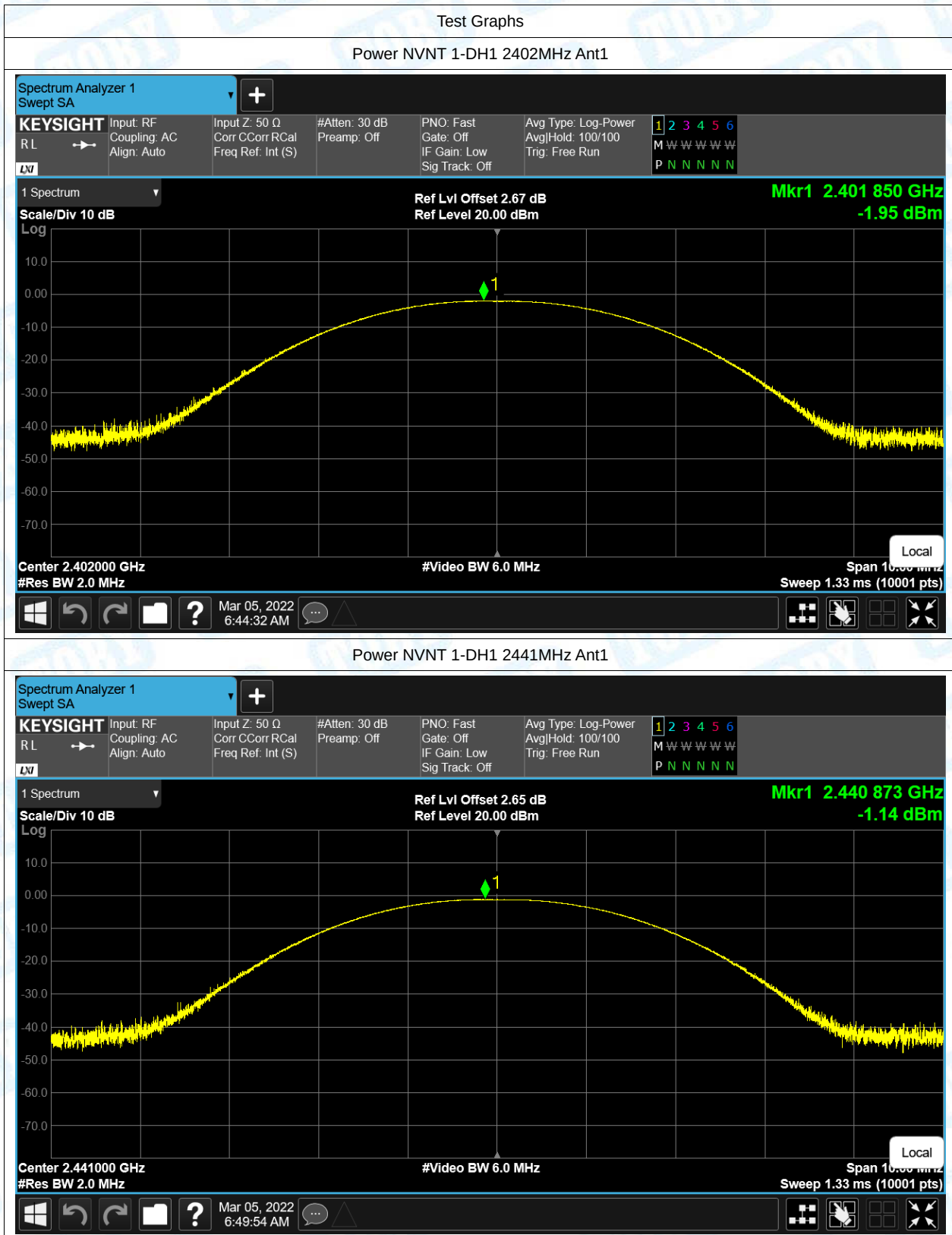


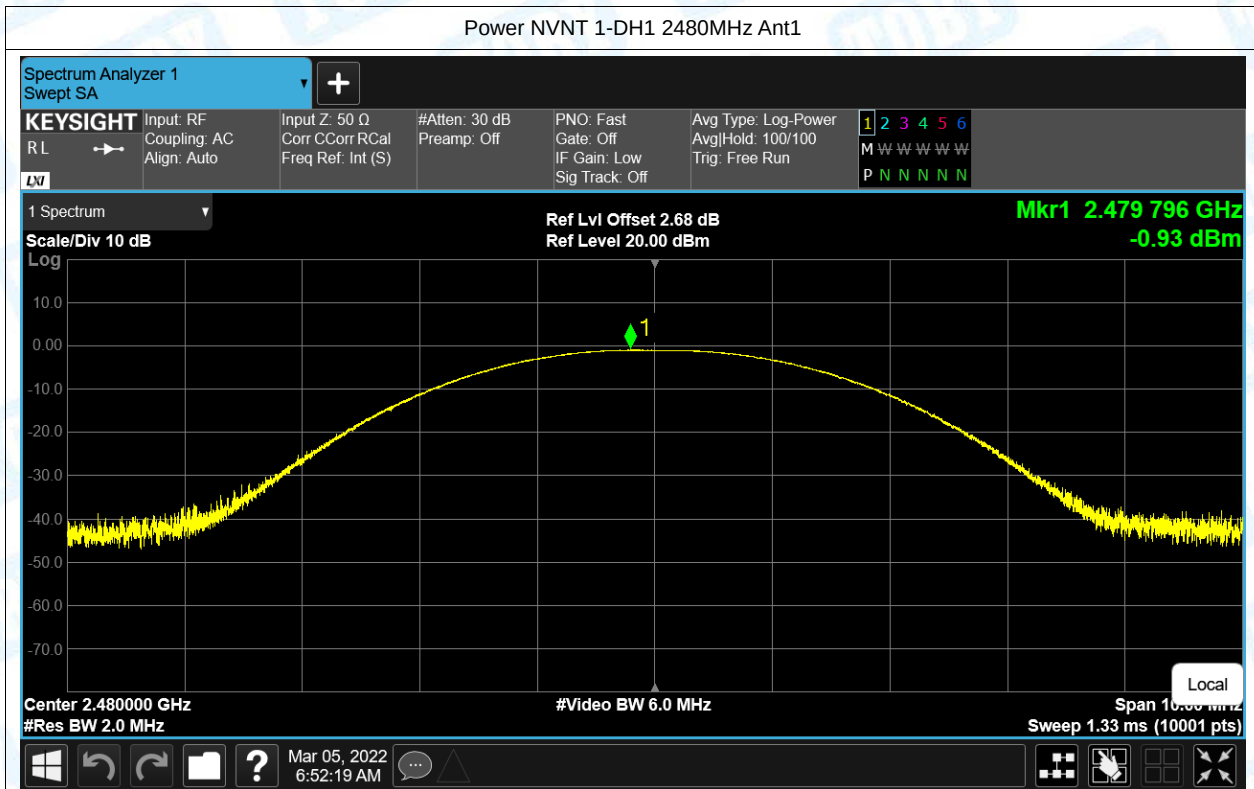
RF Test Data for Bluetooth(BDR+EDR) (Conducted Measurements)

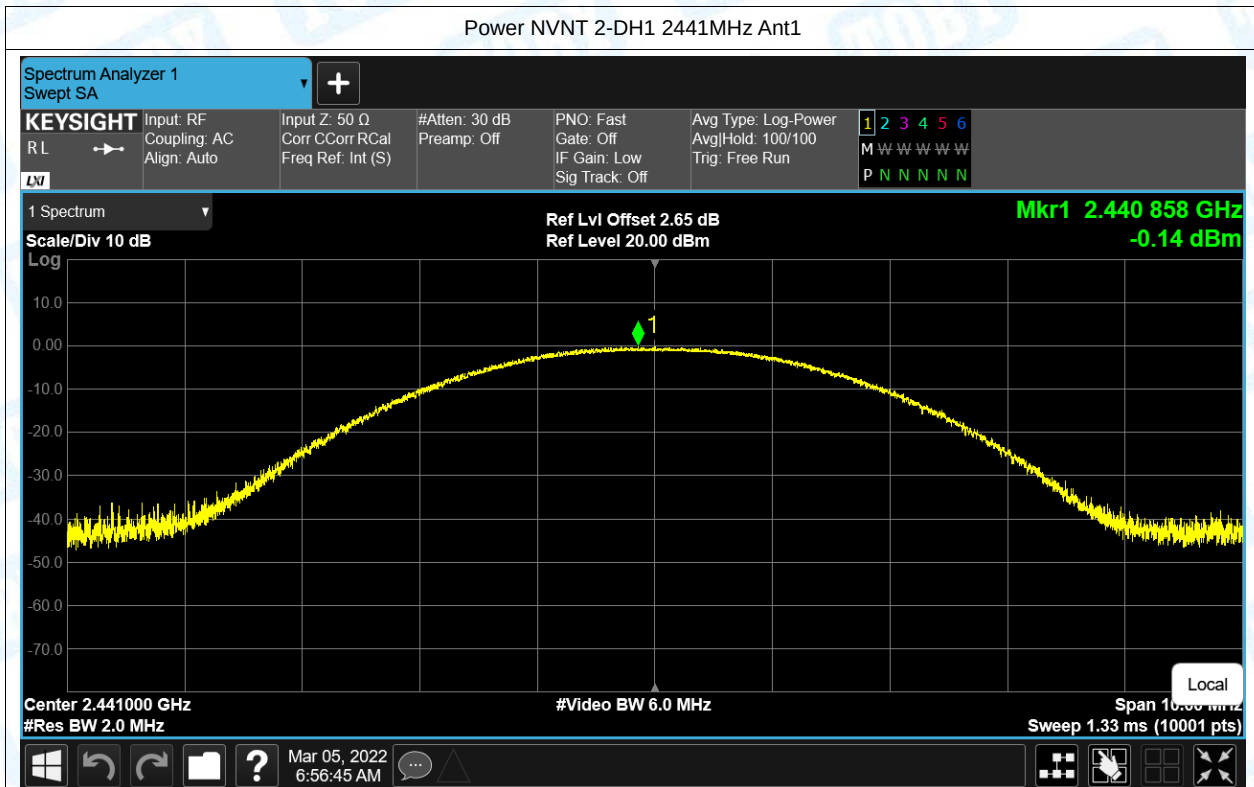
General Description of EUT	
Product Name:	Wireless Headphone
Test Model:	B12
Sample ID:	202201-0243-3-2#
Environmental Conditions	
Temperature:	24℃
Relative Humidity:	50%
Test Voltage:	3.7V
Test Engineer:	Hejingchang
Note: For a more detailed features description, please refer to the report TBR-C-202201-0243-3.	

Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	-1.950	21	Pass
NVNT	1-DH1	2441	Ant1	-1.140	21	Pass
NVNT	1-DH1	2480	Ant1	-0.930	21	Pass
NVNT	2-DH1	2402	Ant1	-0.060	21	Pass
NVNT	2-DH1	2441	Ant1	-0.140	21	Pass
NVNT	2-DH1	2480	Ant1	-0.060	21	Pass
NVNT	3-DH1	2402	Ant1	-1.950	21	Pass
NVNT	3-DH1	2441	Ant1	-1.140	21	Pass
NVNT	3-DH1	2480	Ant1	-0.930	21	Pass





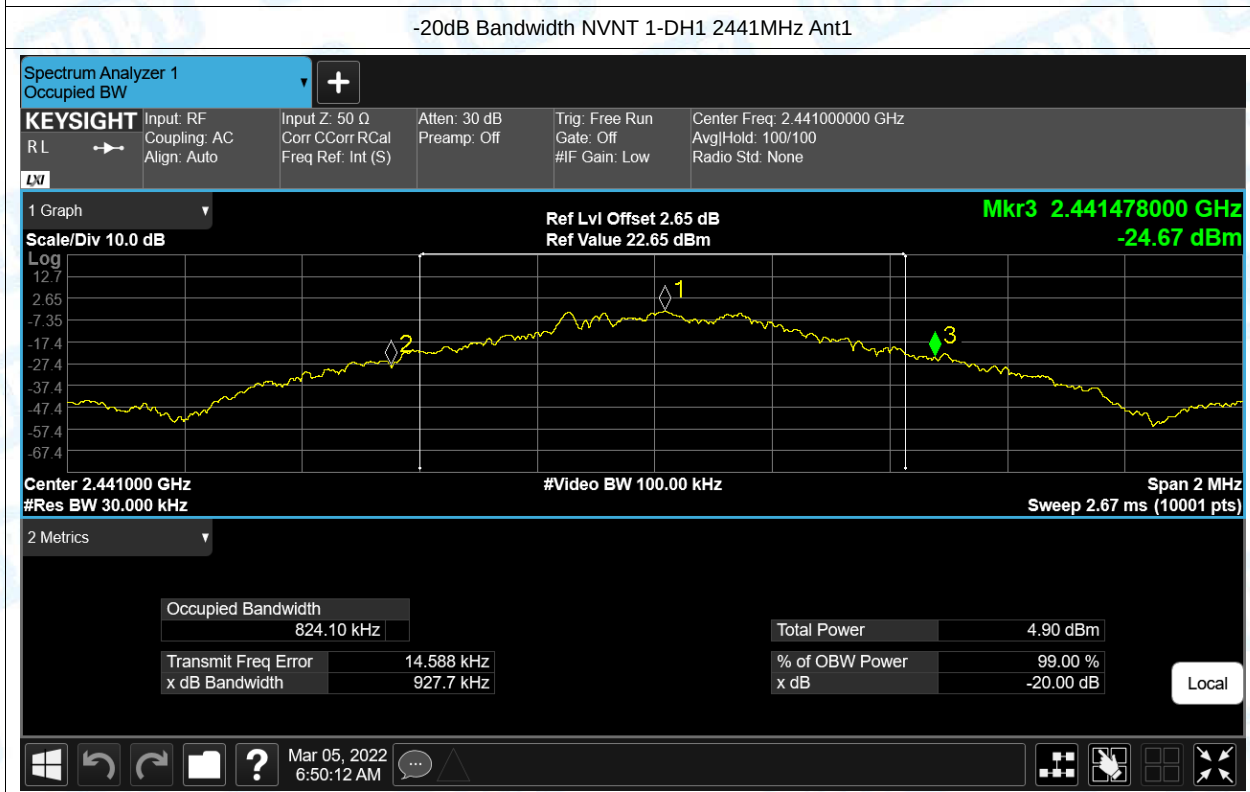
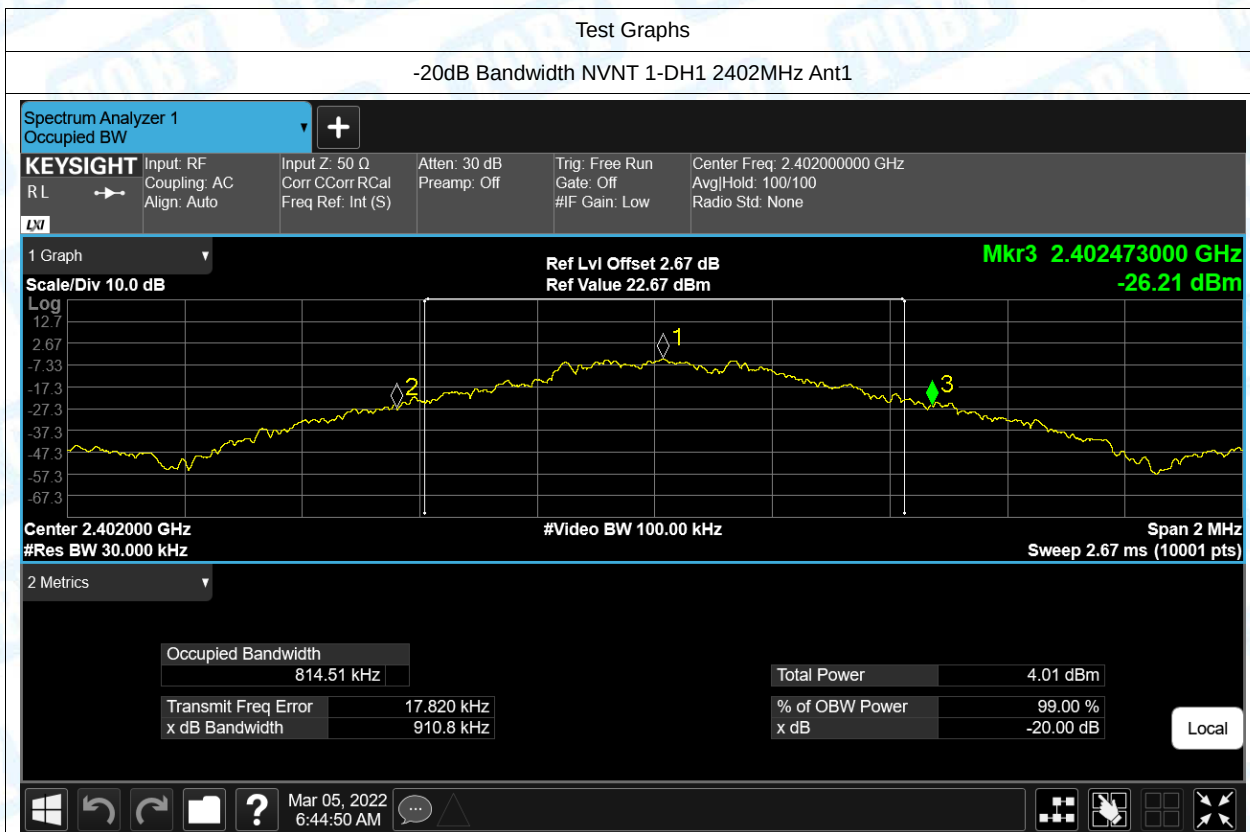






-20dB Bandwidth

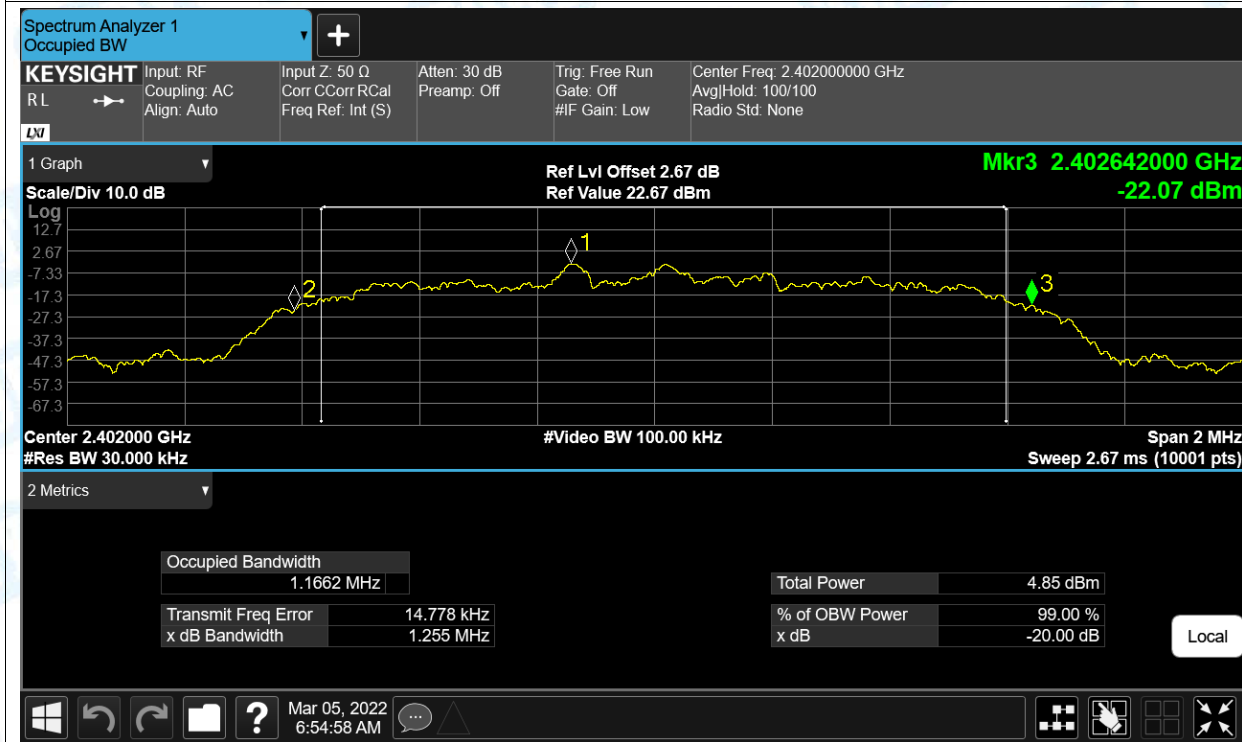
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	0.910	0	Pass
NVNT	1-DH1	2441	Ant1	0.927	0	Pass
NVNT	1-DH1	2480	Ant1	0.862	0	Pass
NVNT	2-DH1	2402	Ant1	1.255	0	Pass
NVNT	2-DH1	2441	Ant1	1.256	0	Pass
NVNT	2-DH1	2480	Ant1	1.270	0	Pass
NVNT	3-DH1	2402	Ant1	1.240	0	Pass
NVNT	3-DH1	2441	Ant1	1.238	0	Pass
NVNT	3-DH1	2480	Ant1	1.241	0	Pass



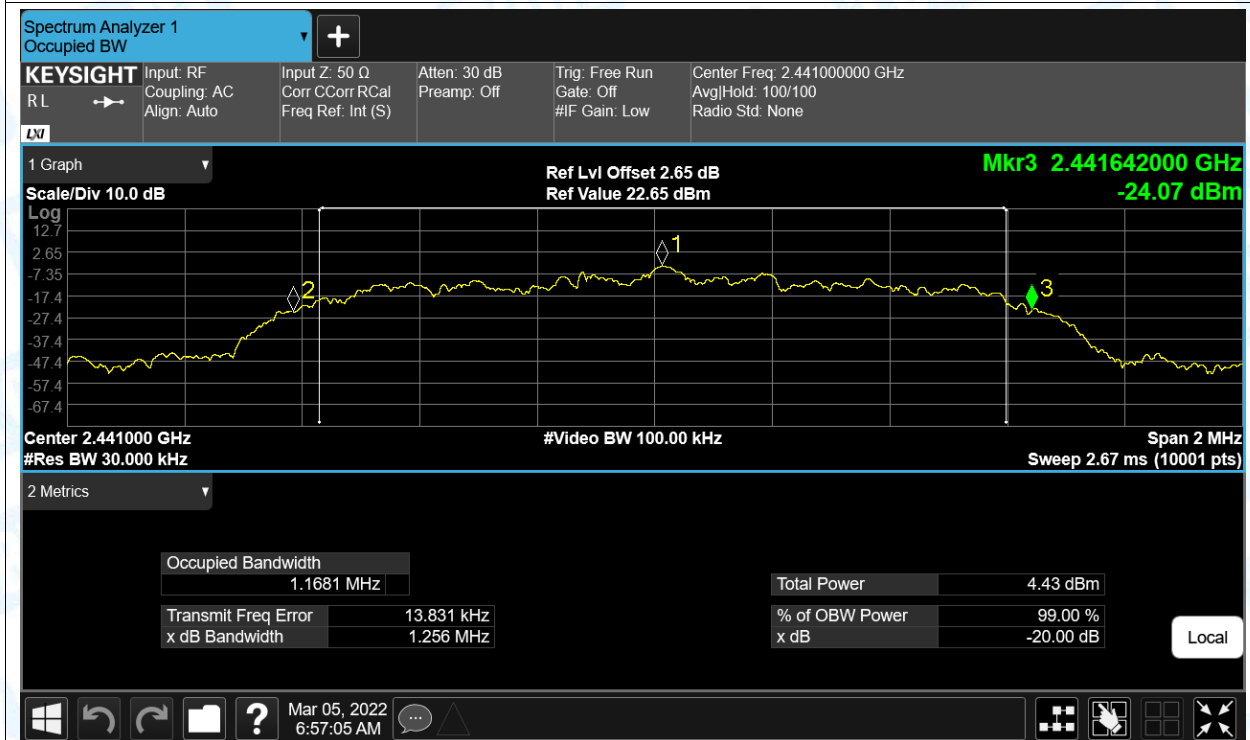
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



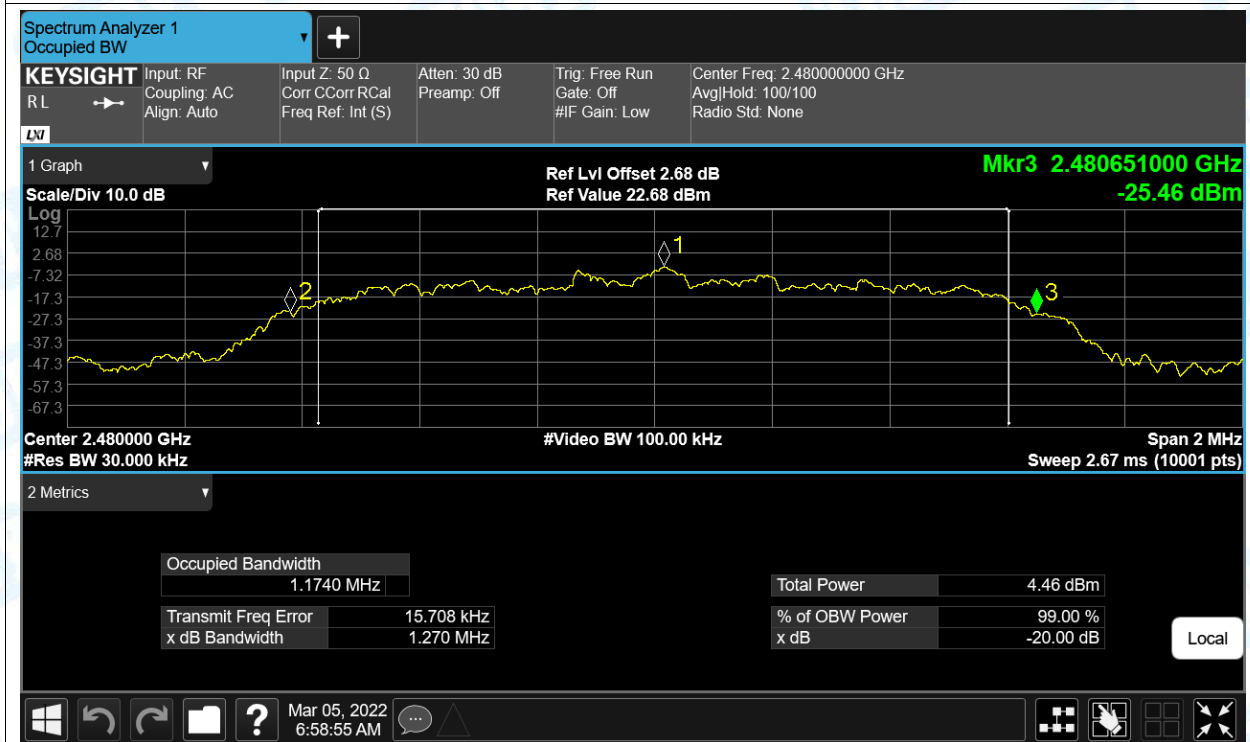
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



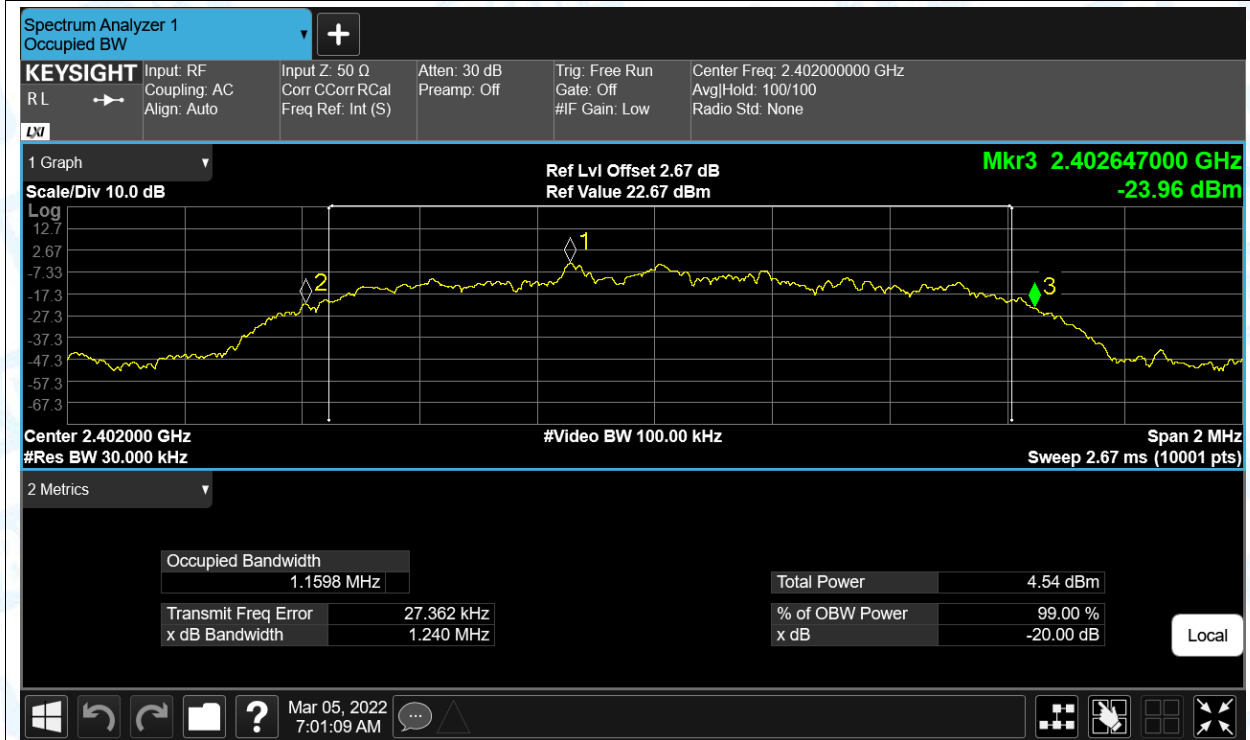
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



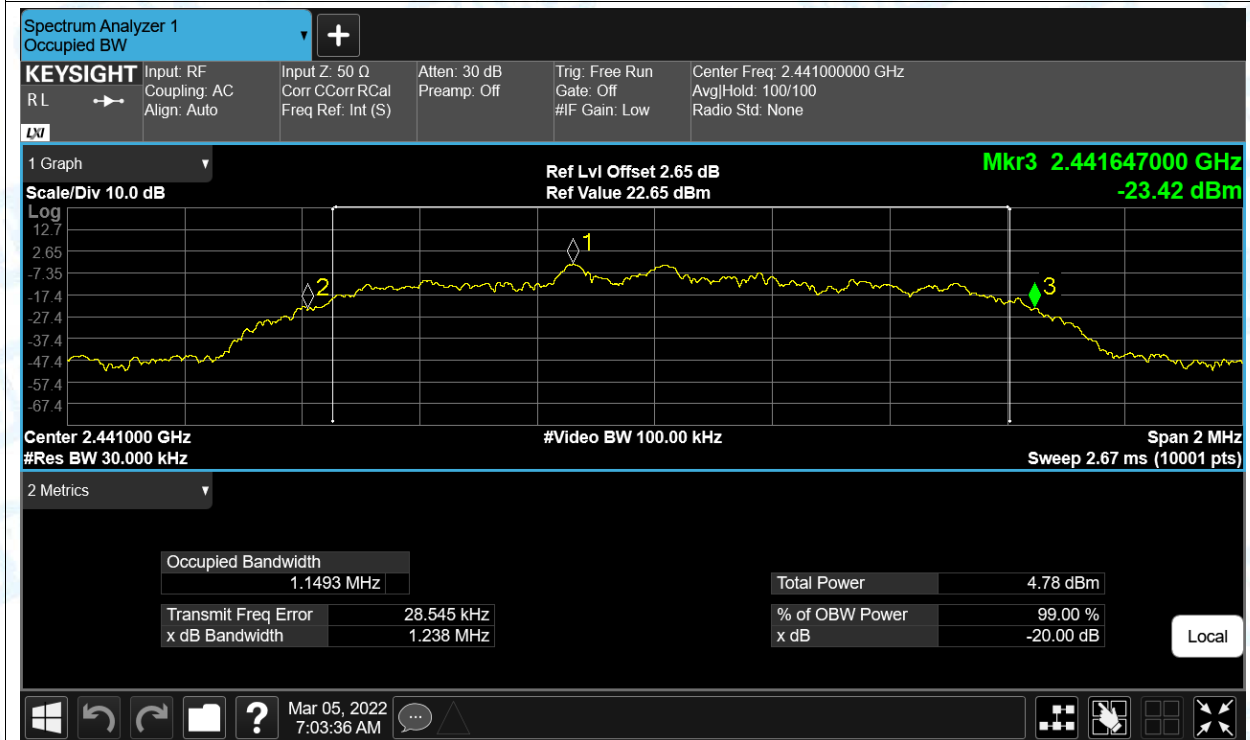
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

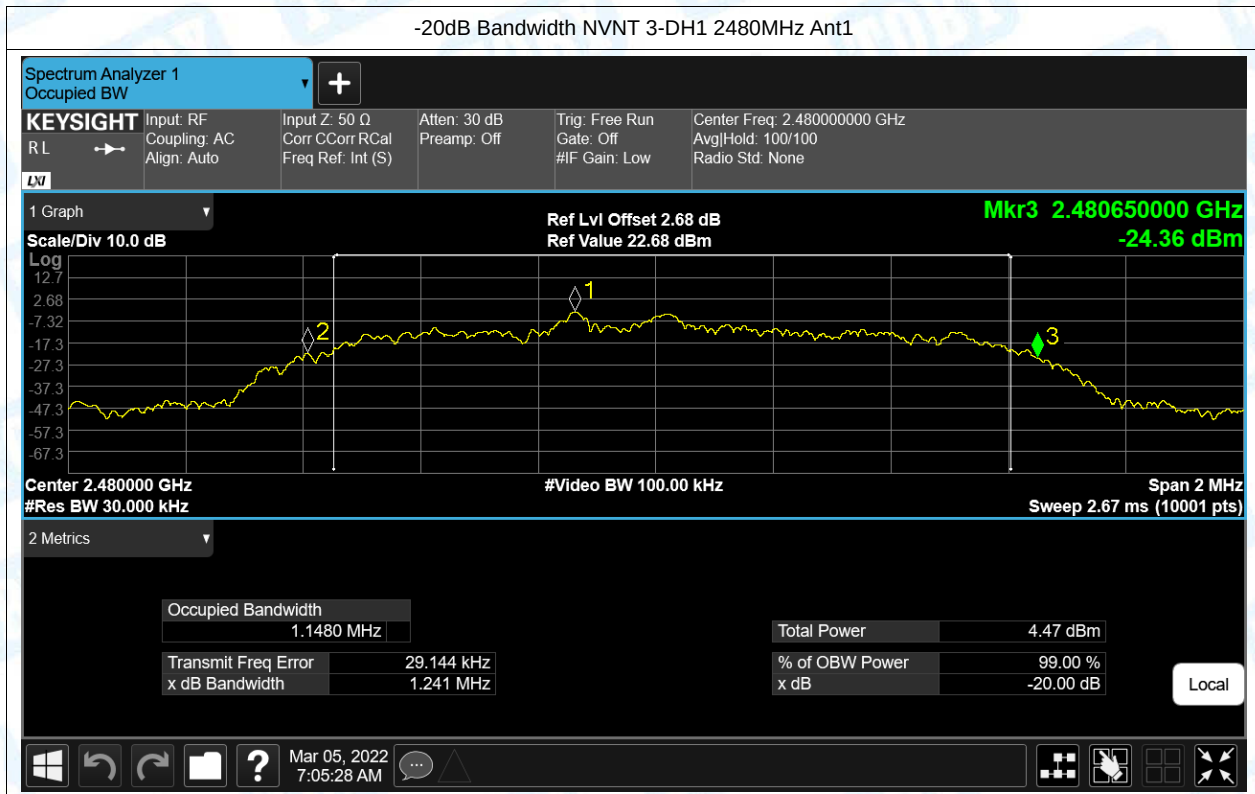


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1

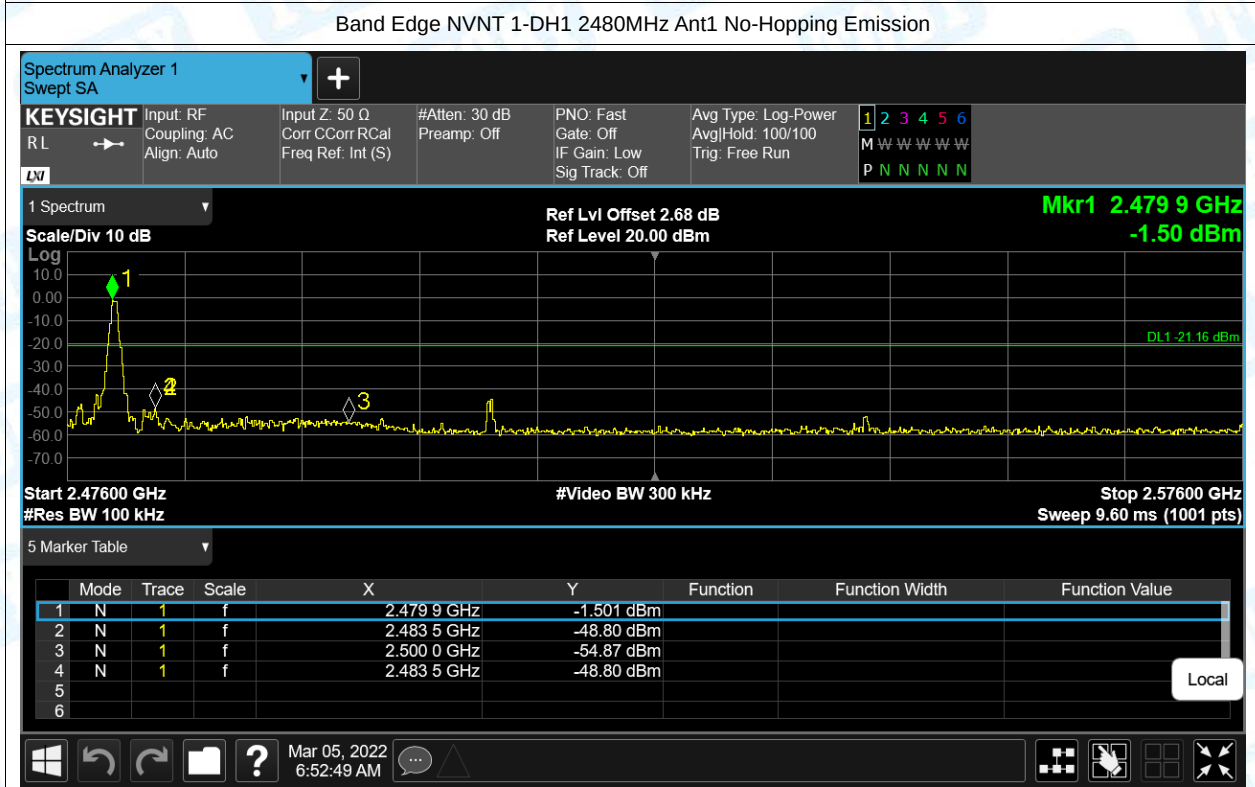
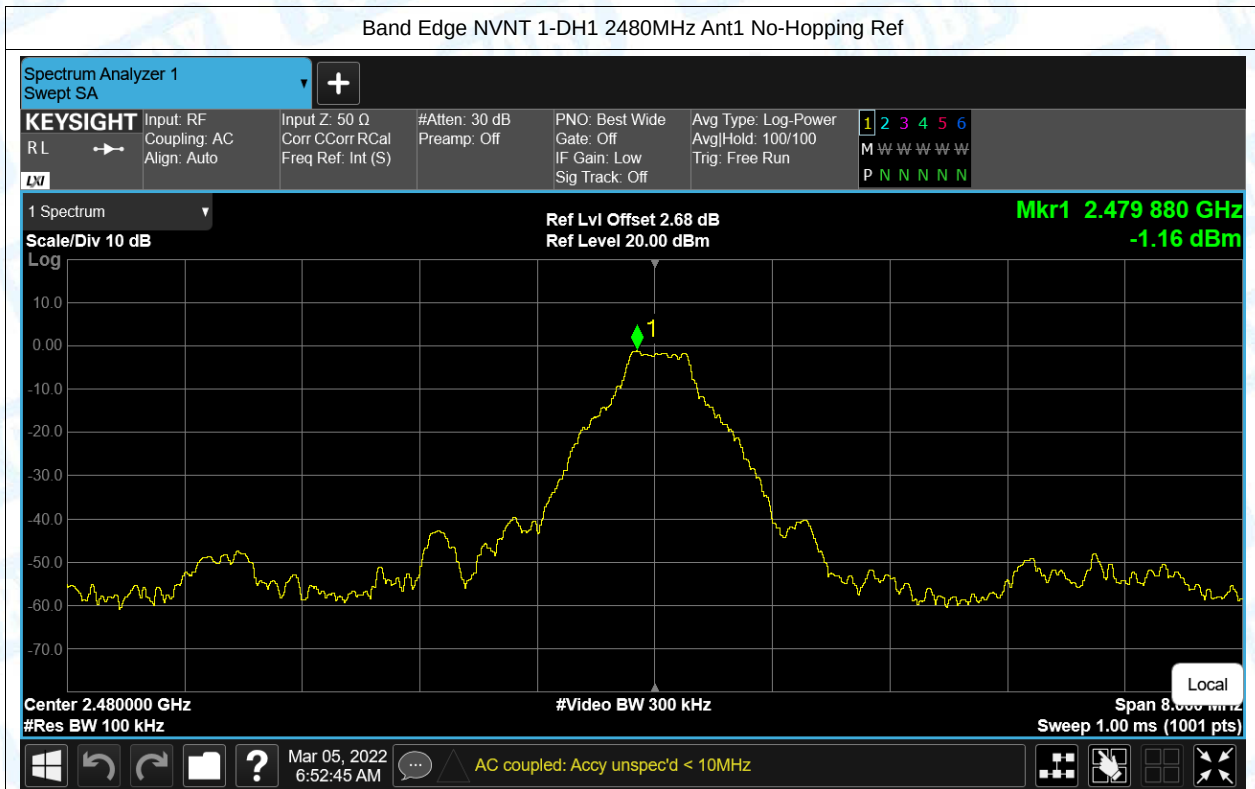


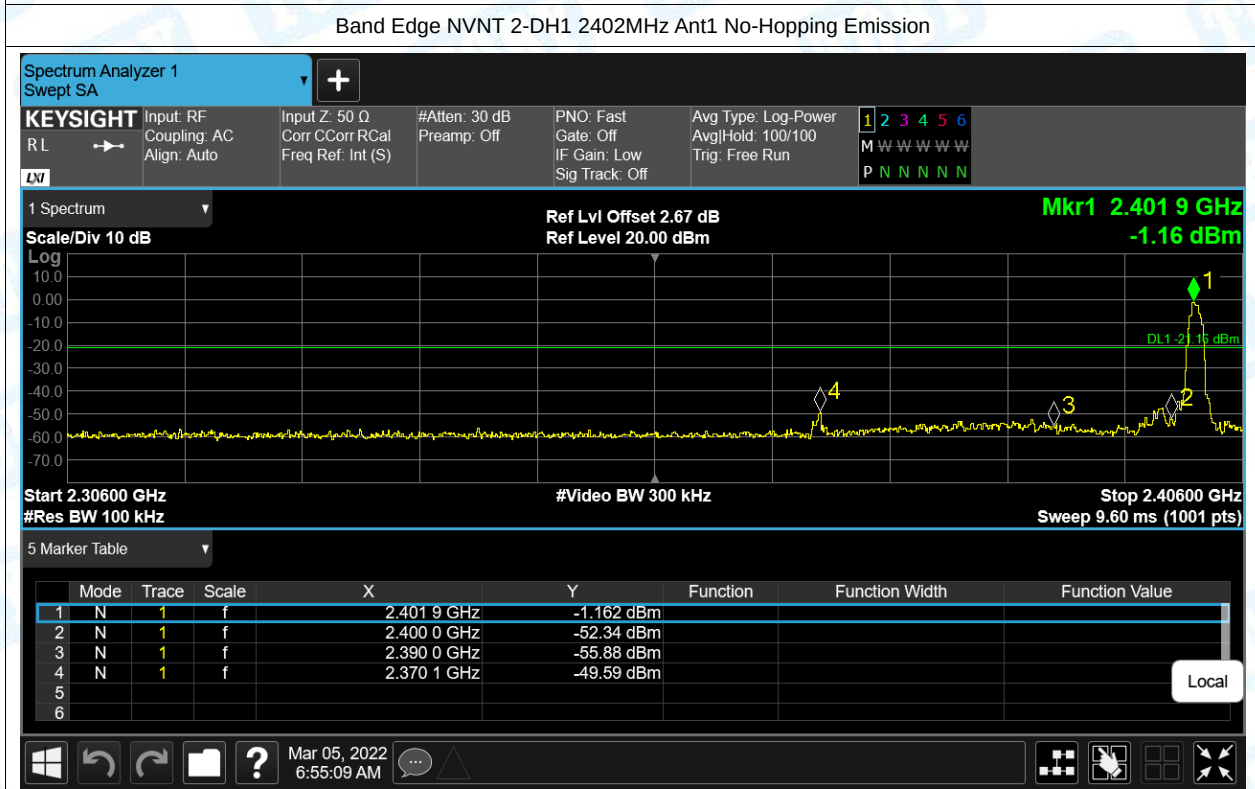
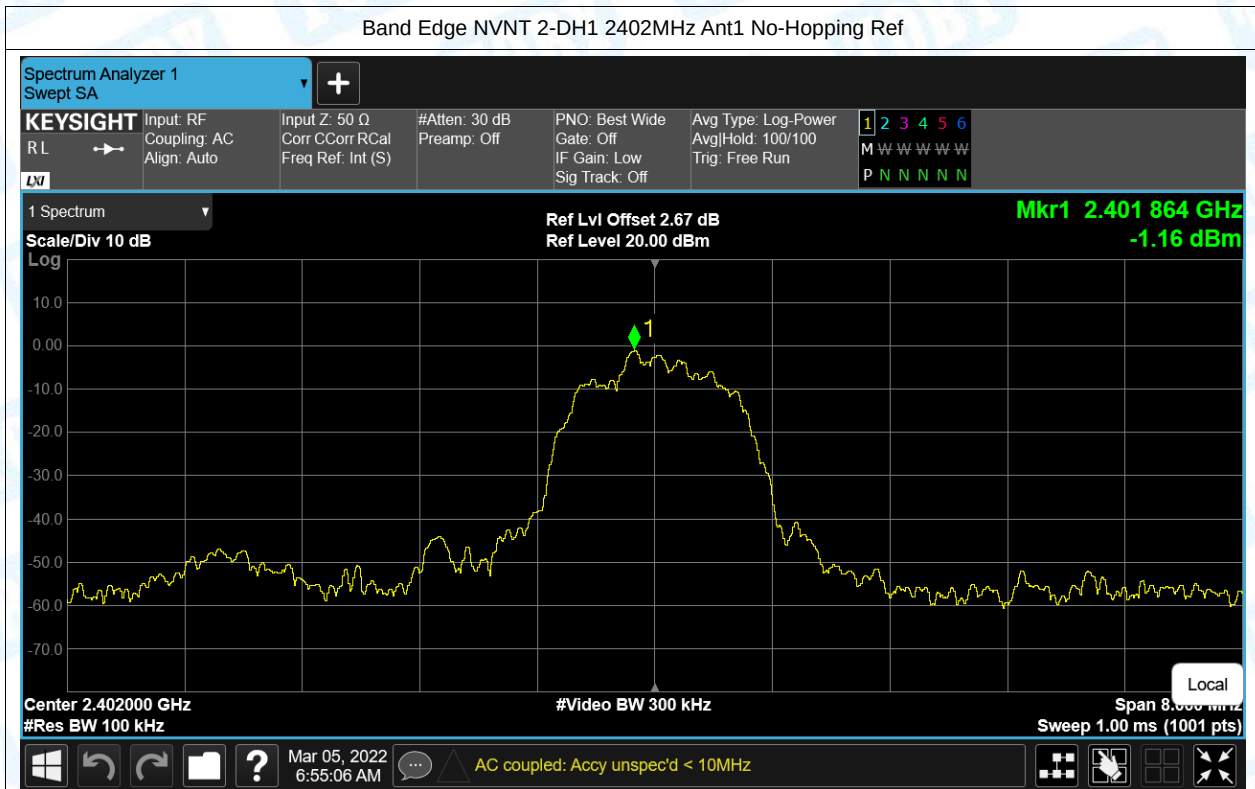


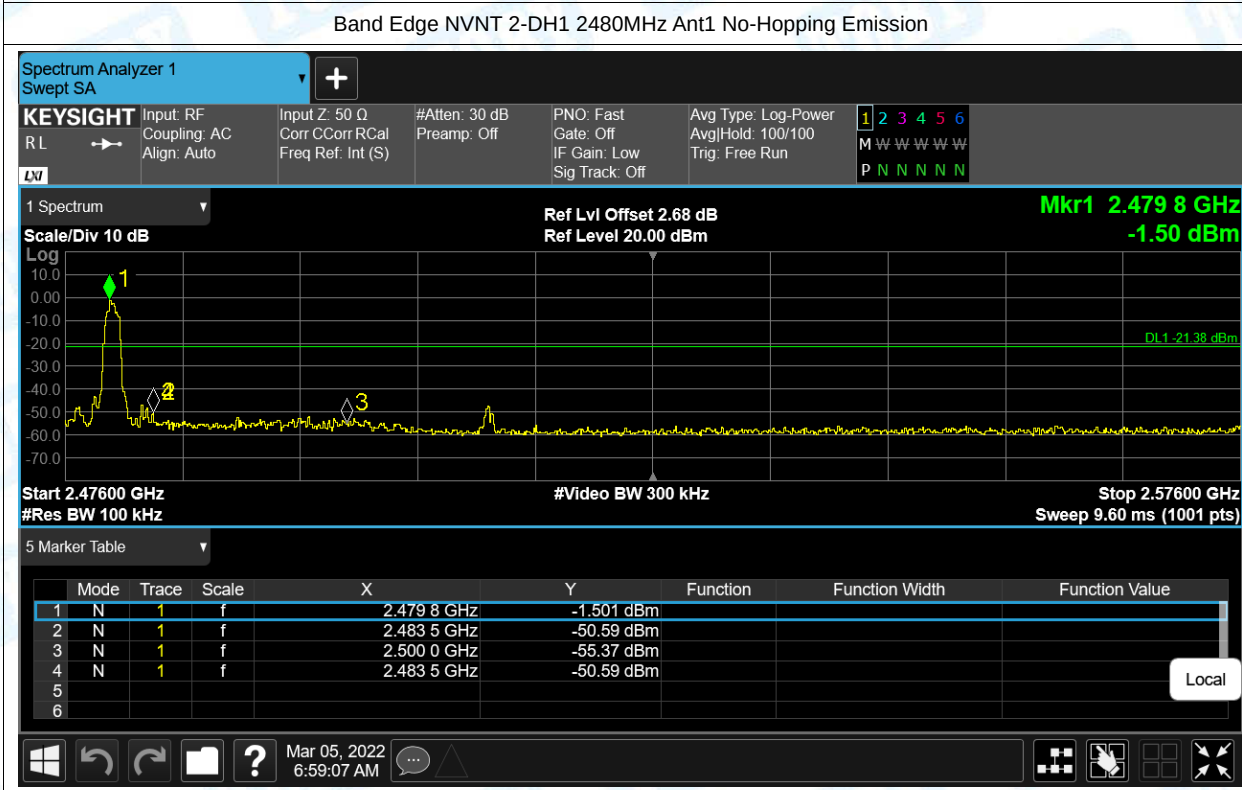
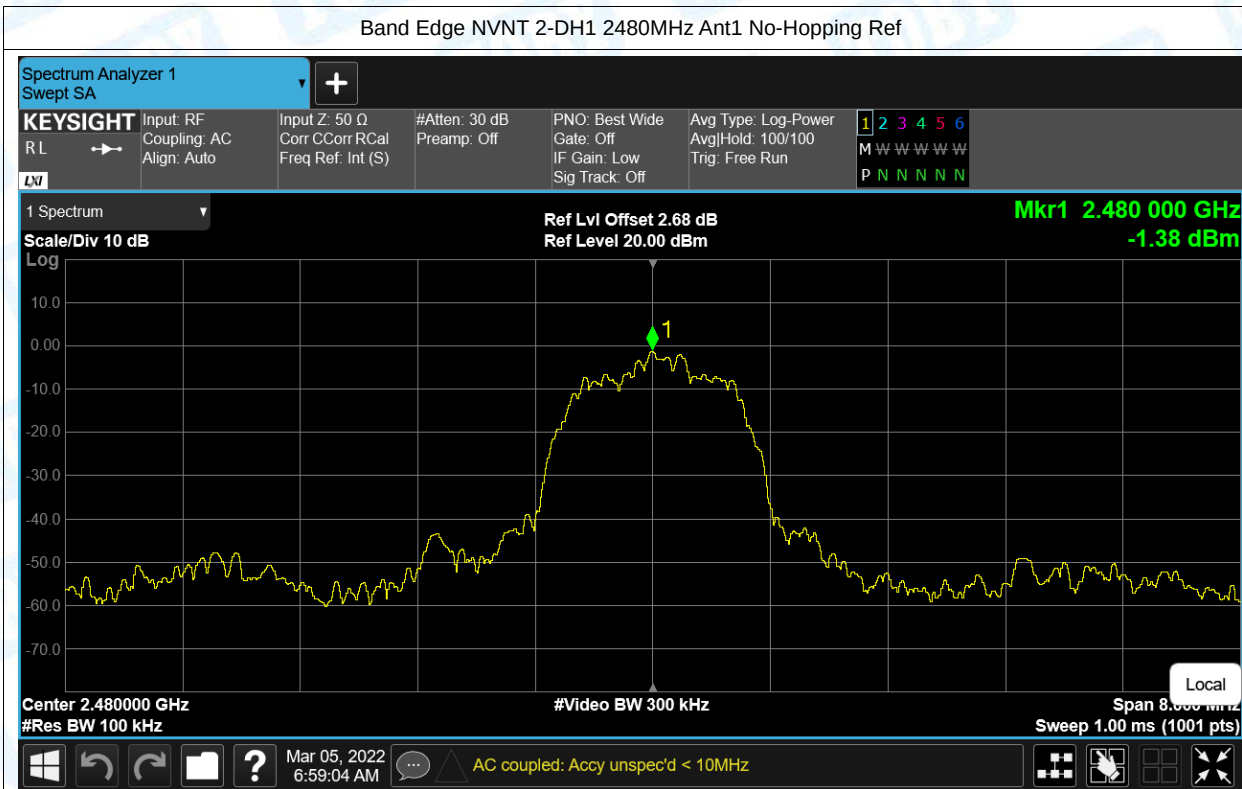
Band Edge

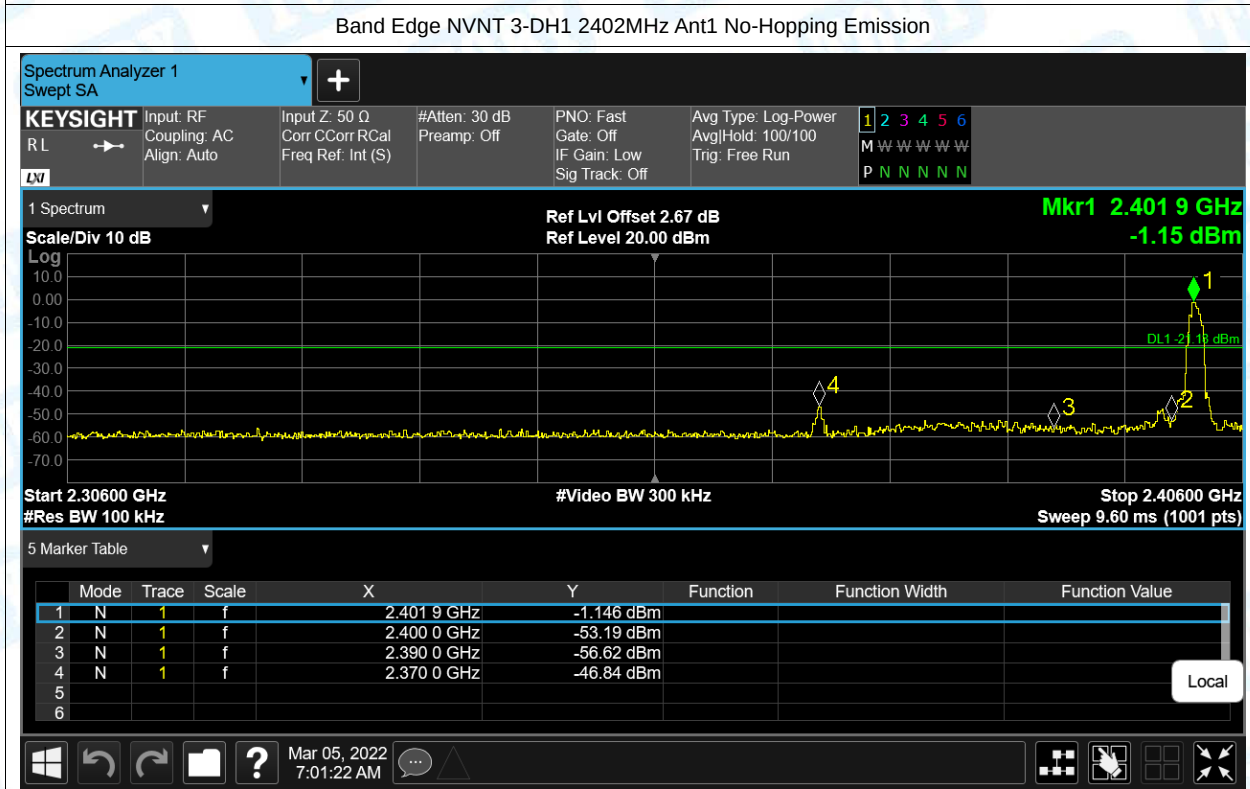
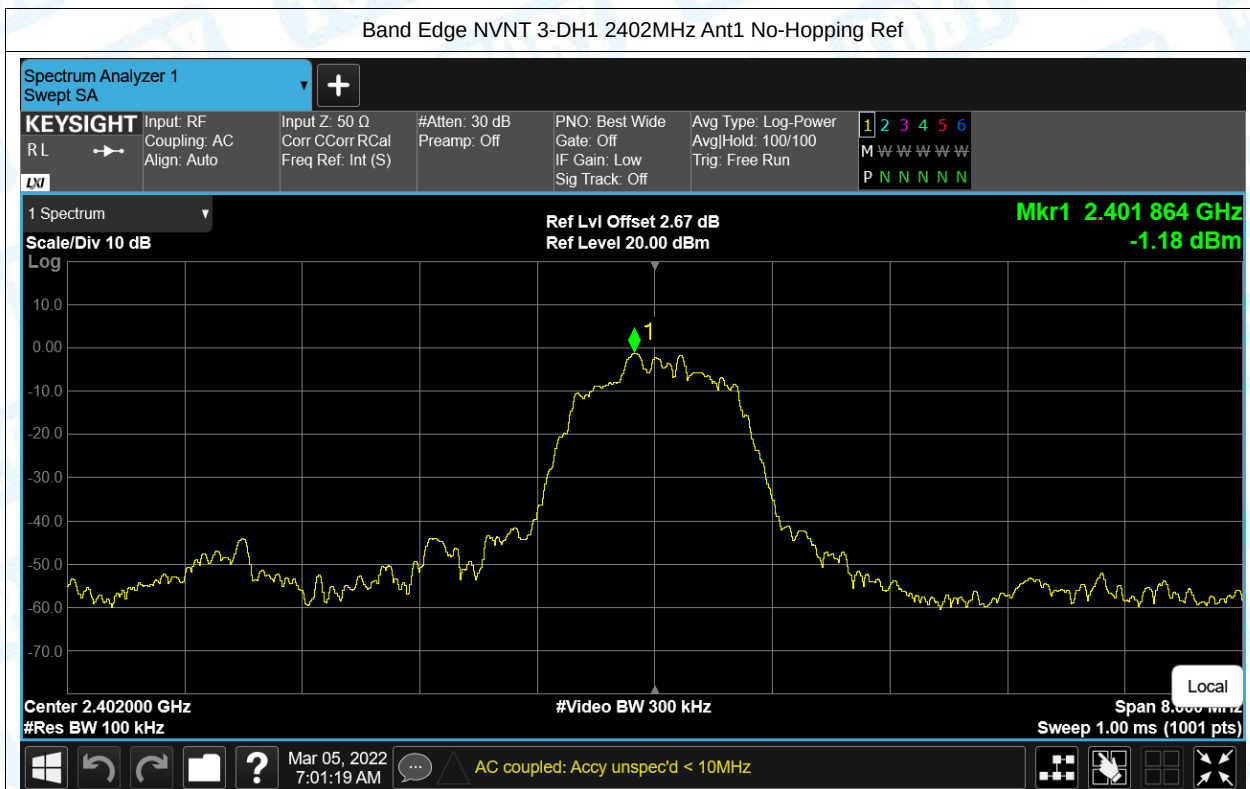
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-46.37	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-47.64	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-48.44	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-49.21	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-45.66	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-49.7	-20	Pass

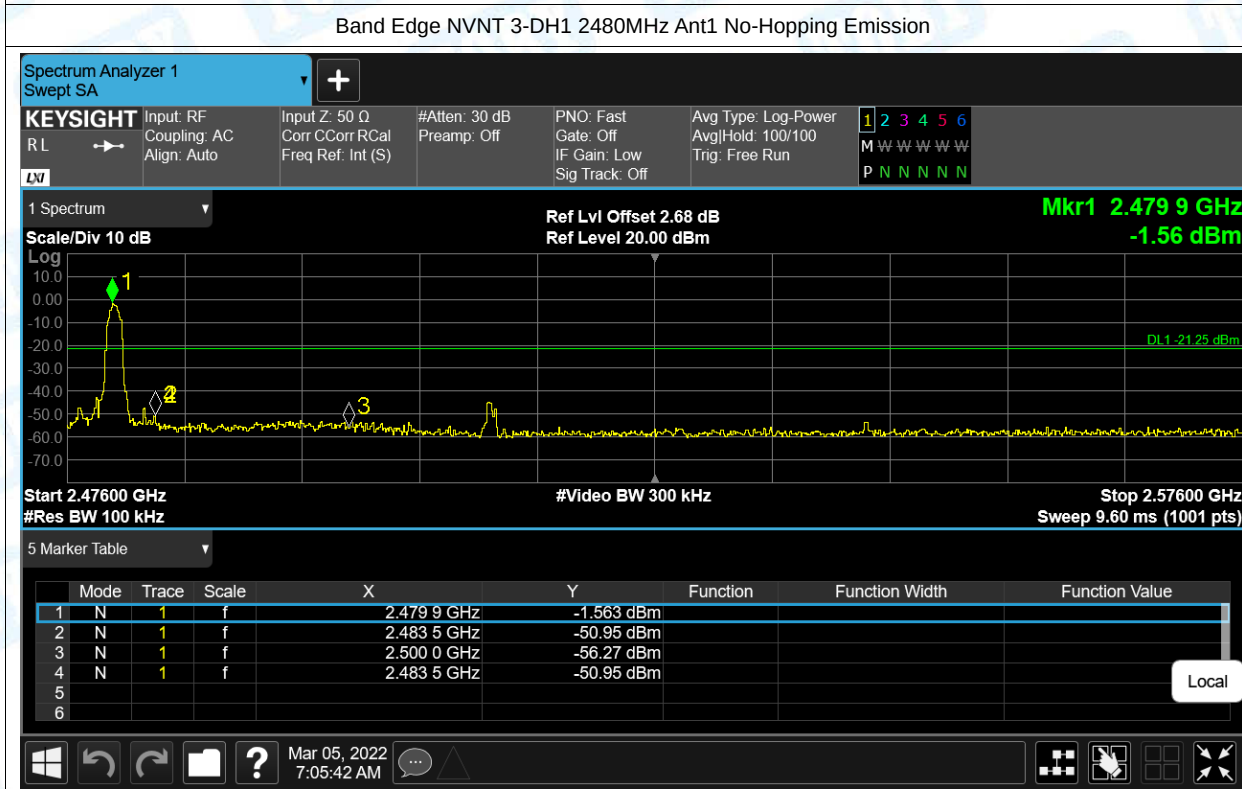
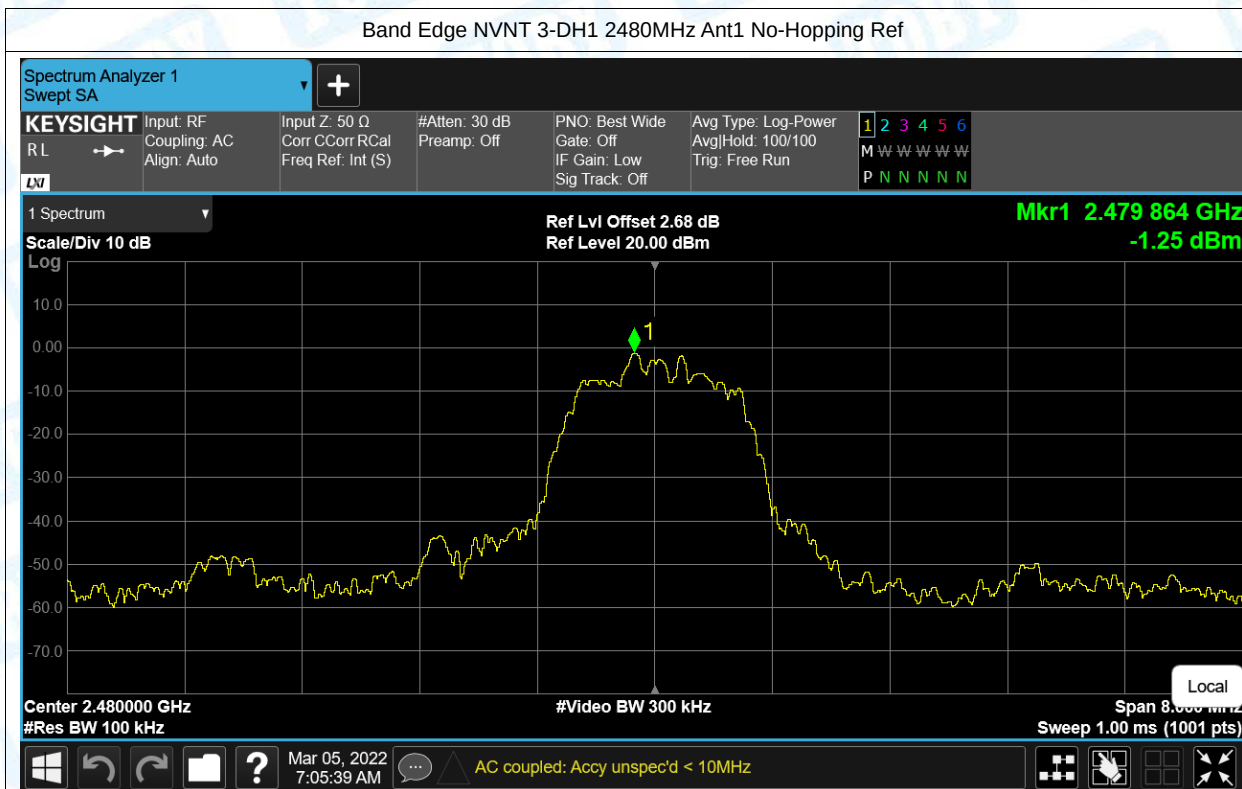










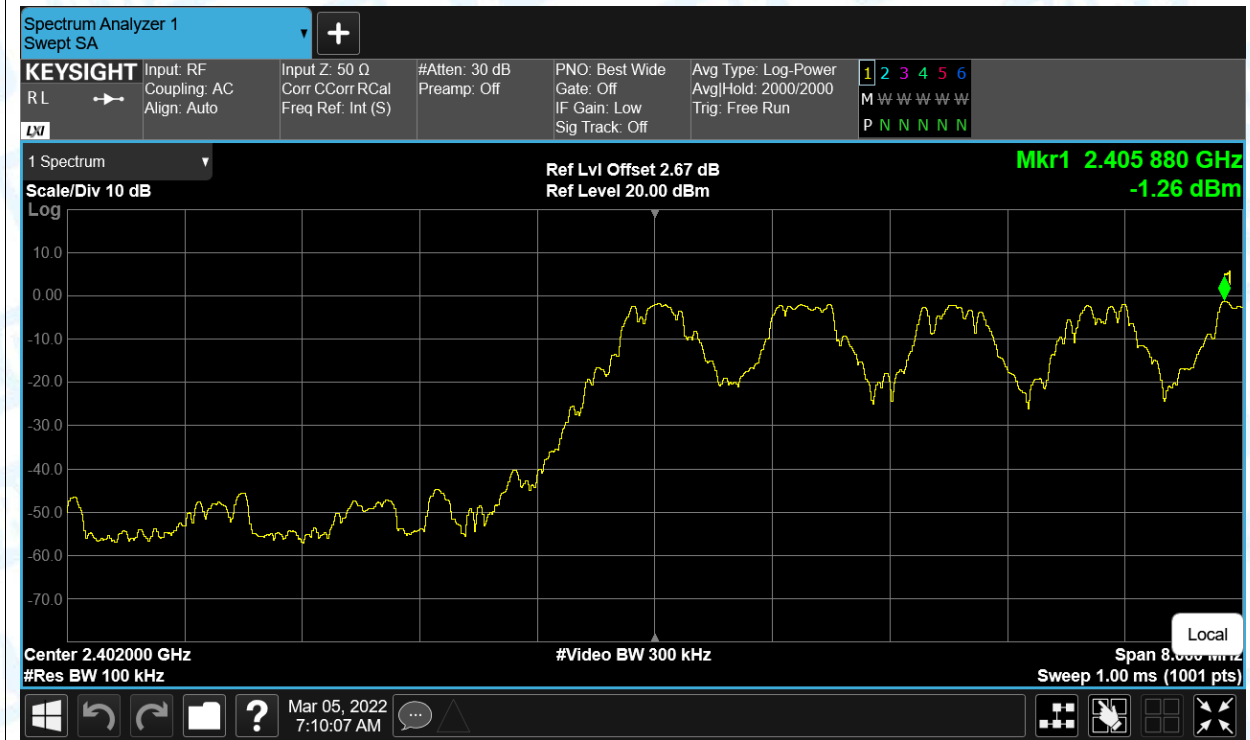


Band Edge(Hopping)

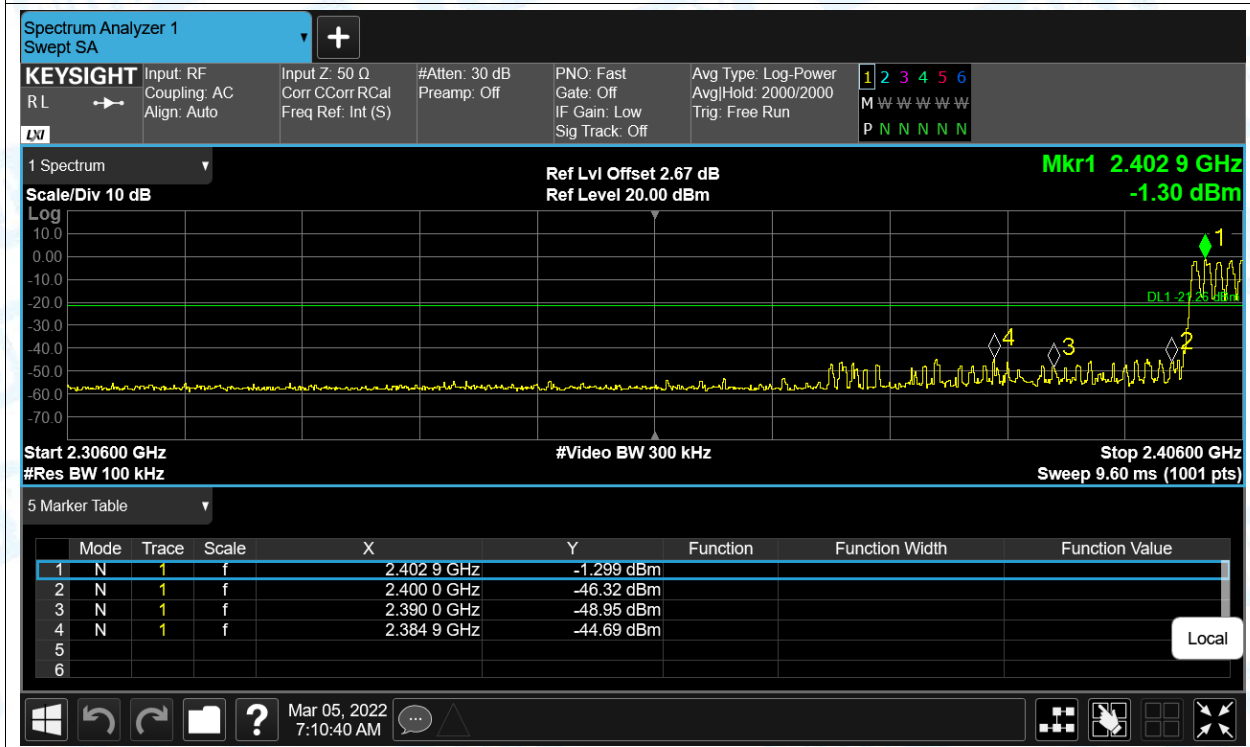
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-43.43	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-42.04	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-44.05	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-42.12	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-44.37	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-42.69	-20	Pass

Test Graphs

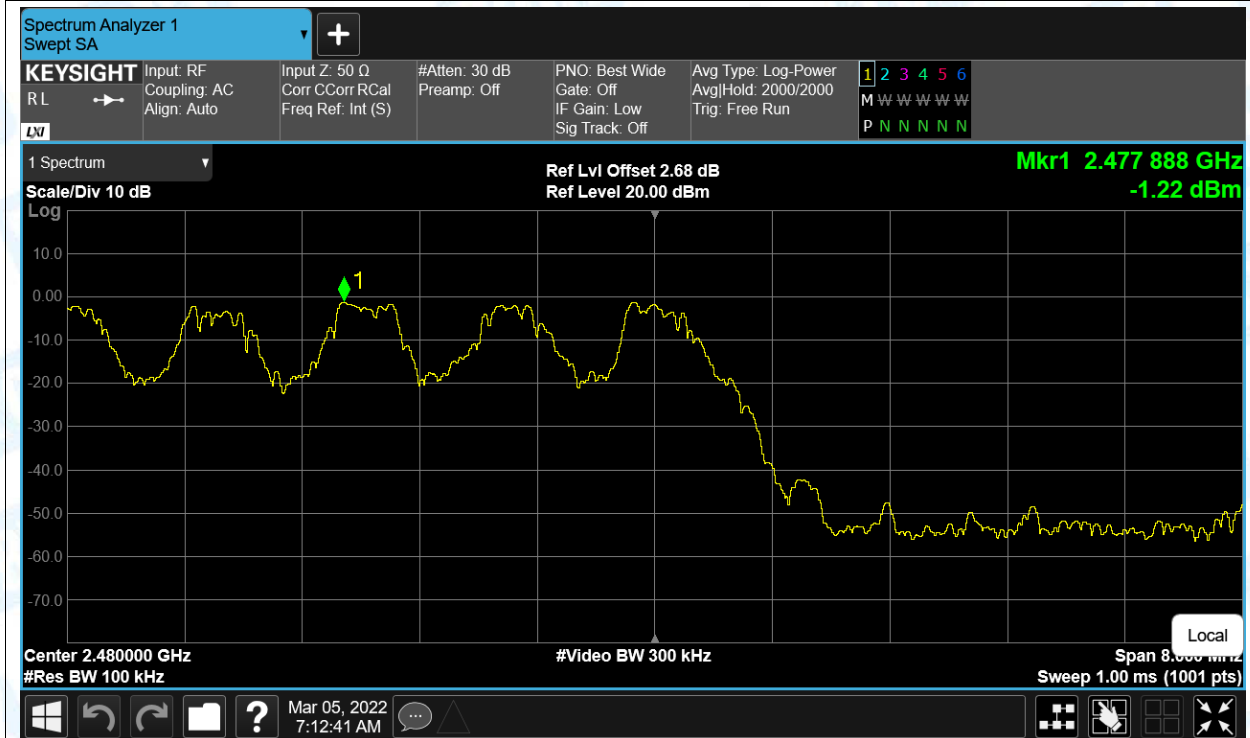
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref



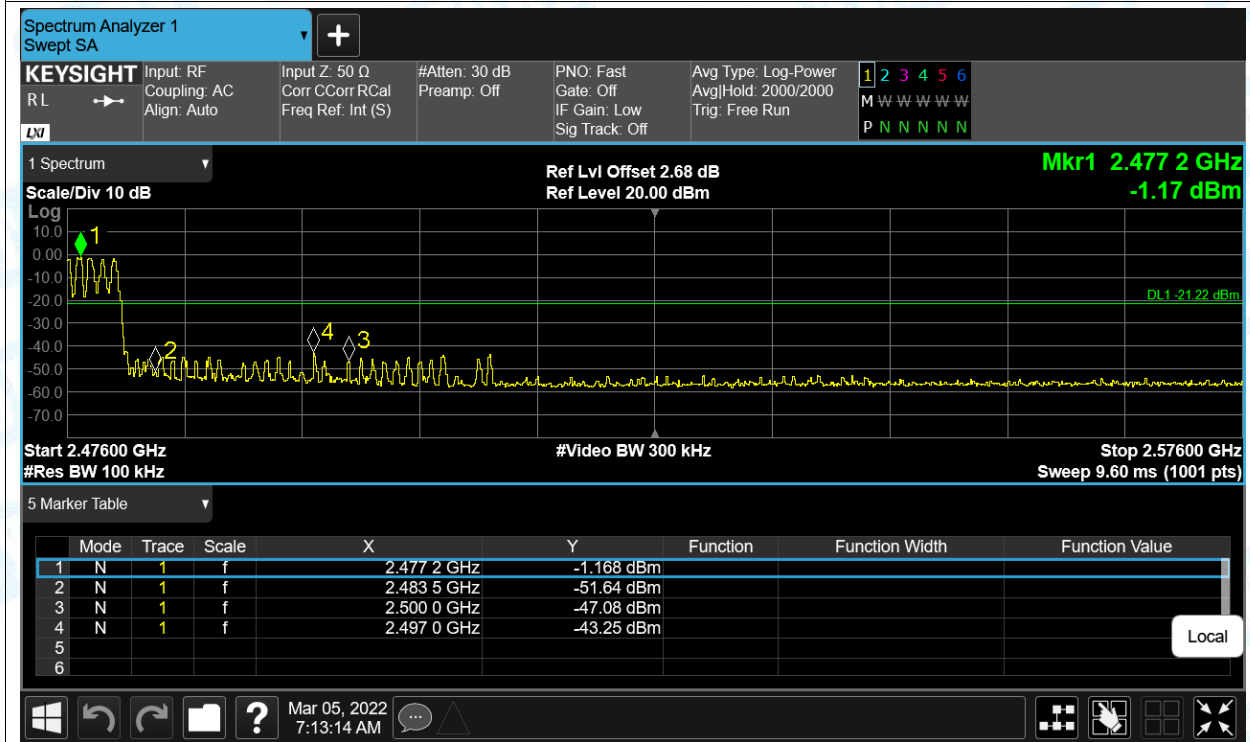
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission

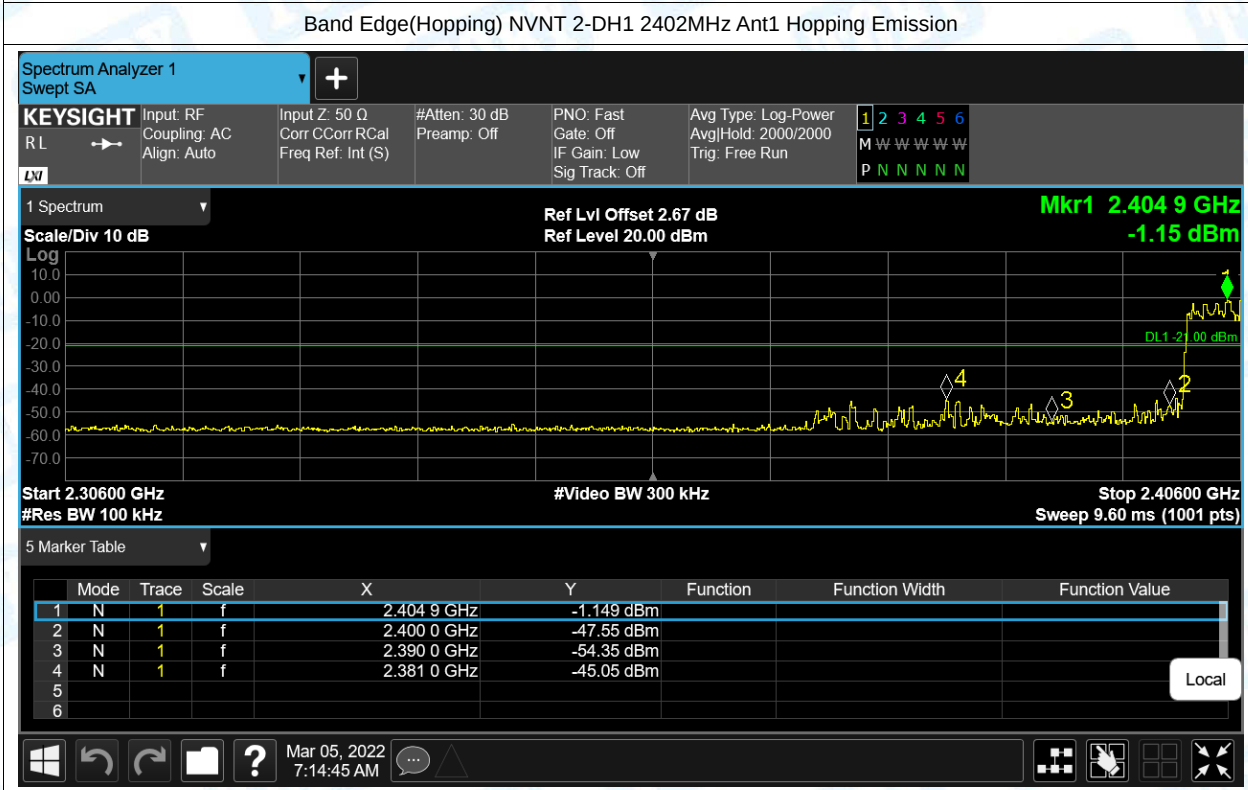
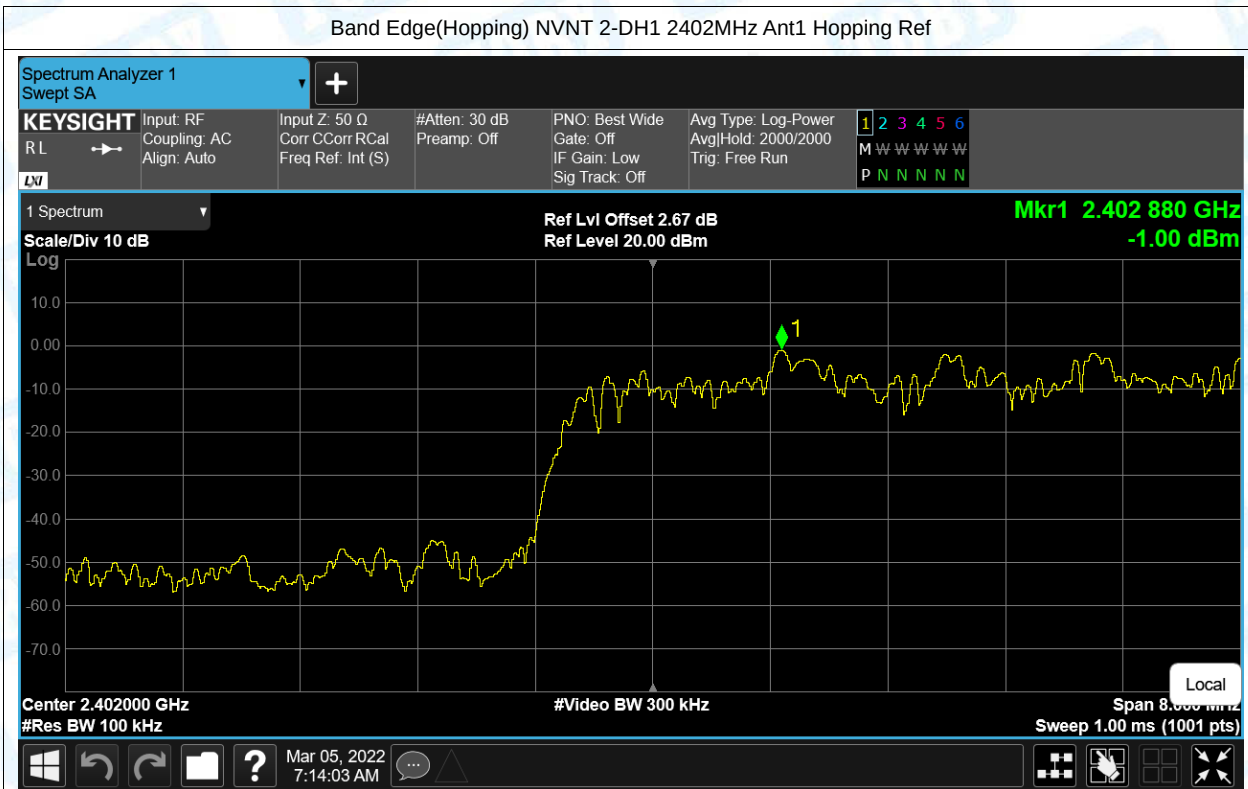


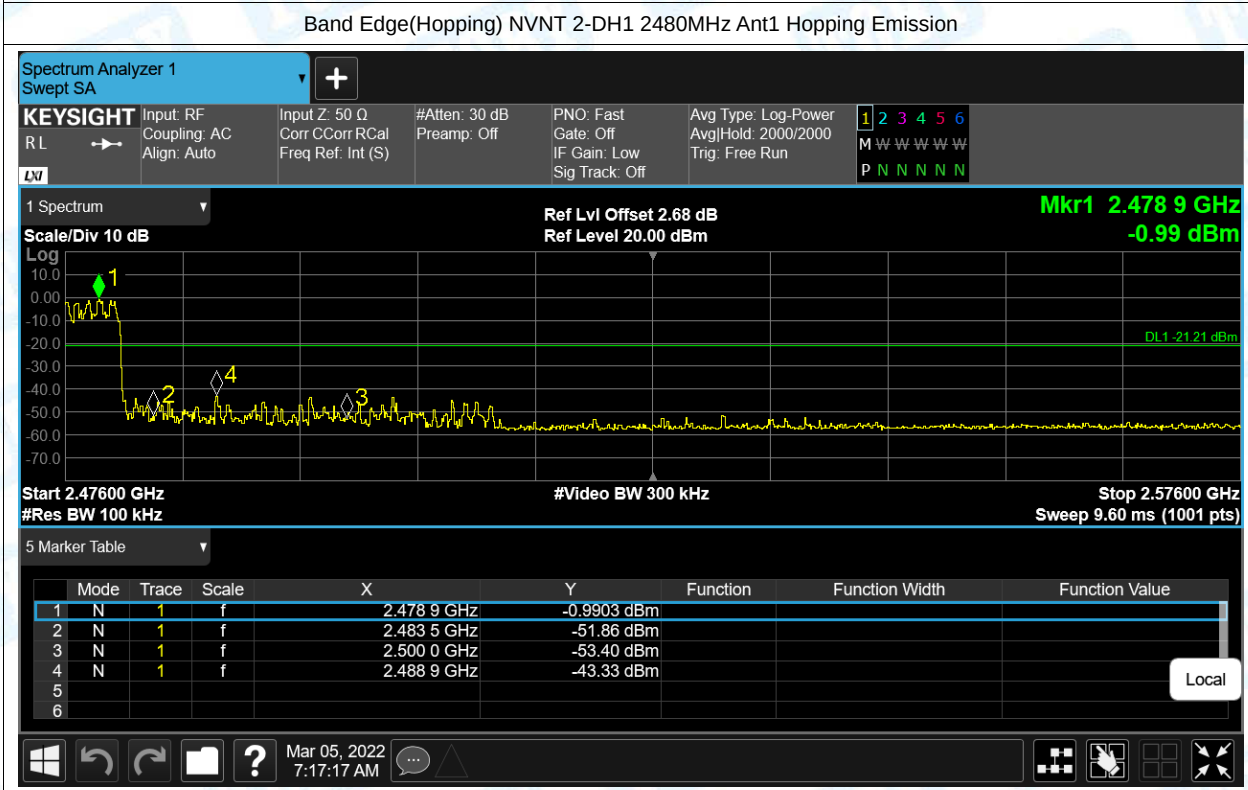
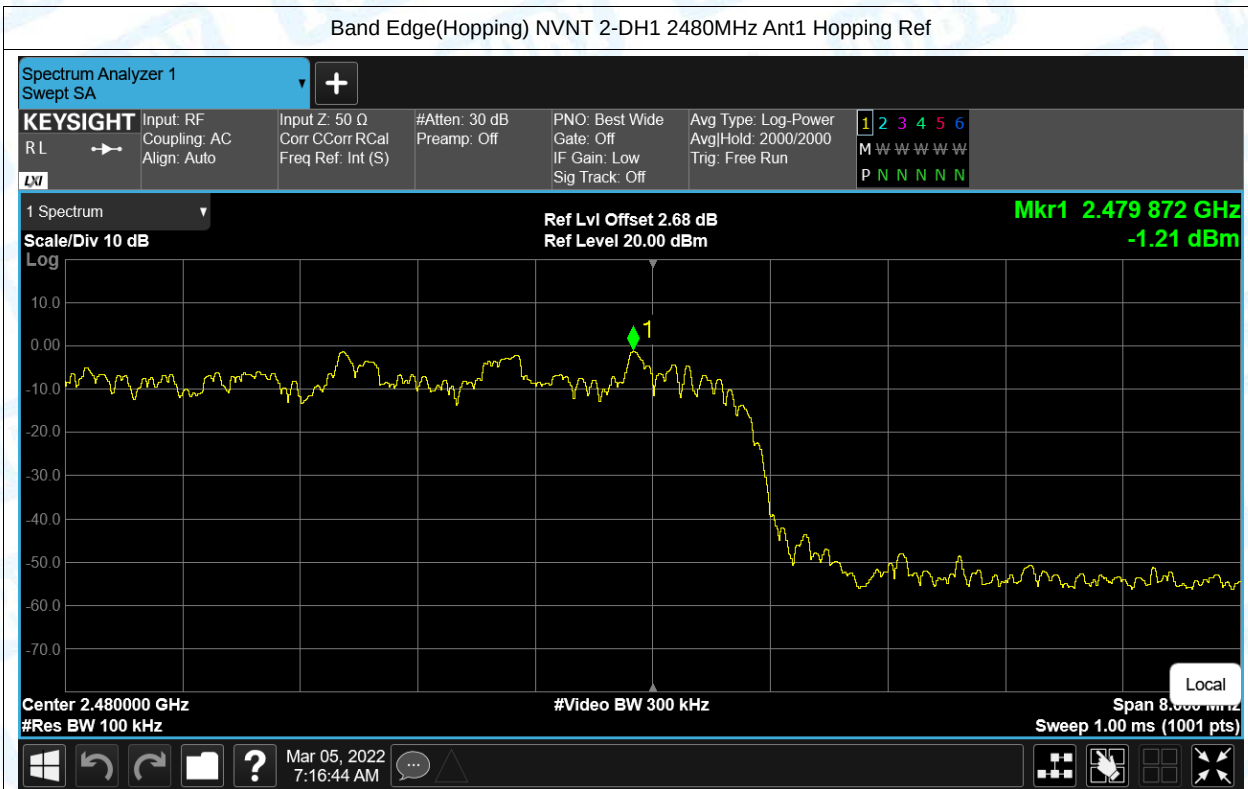
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref

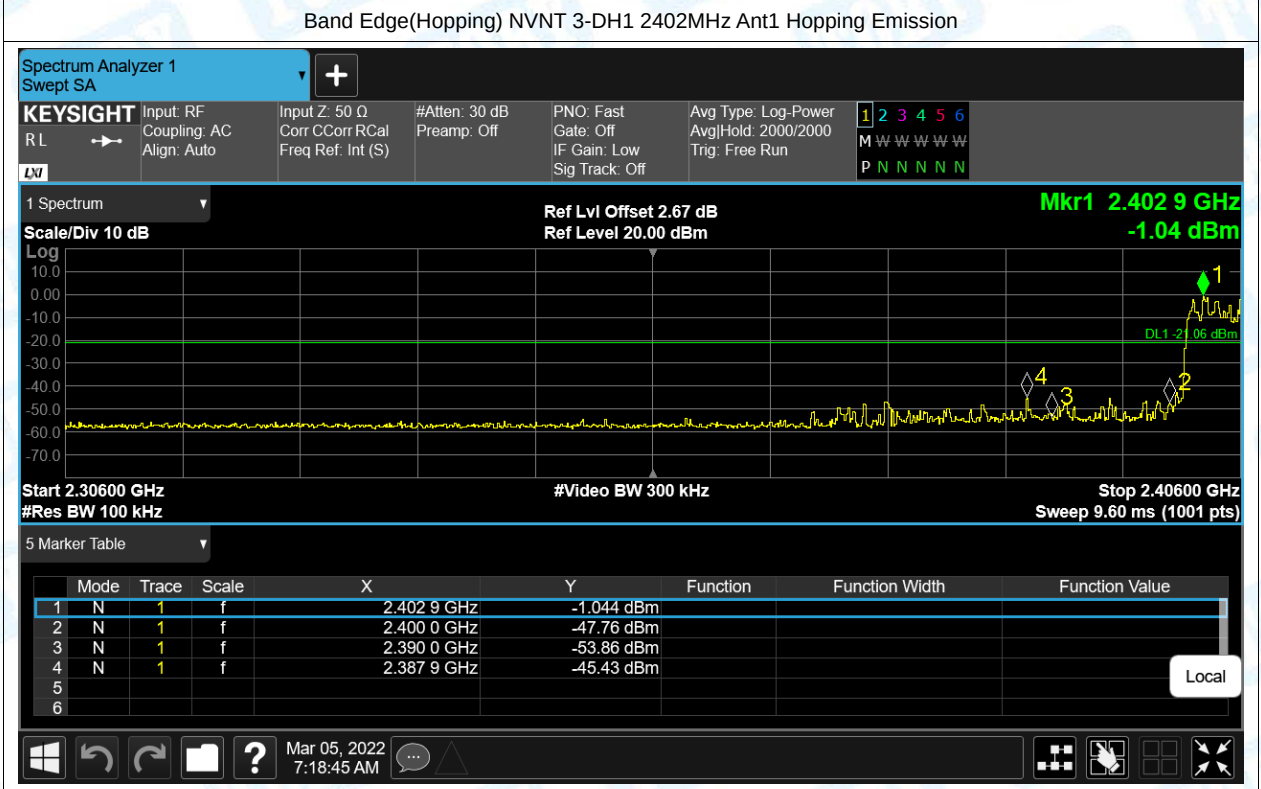
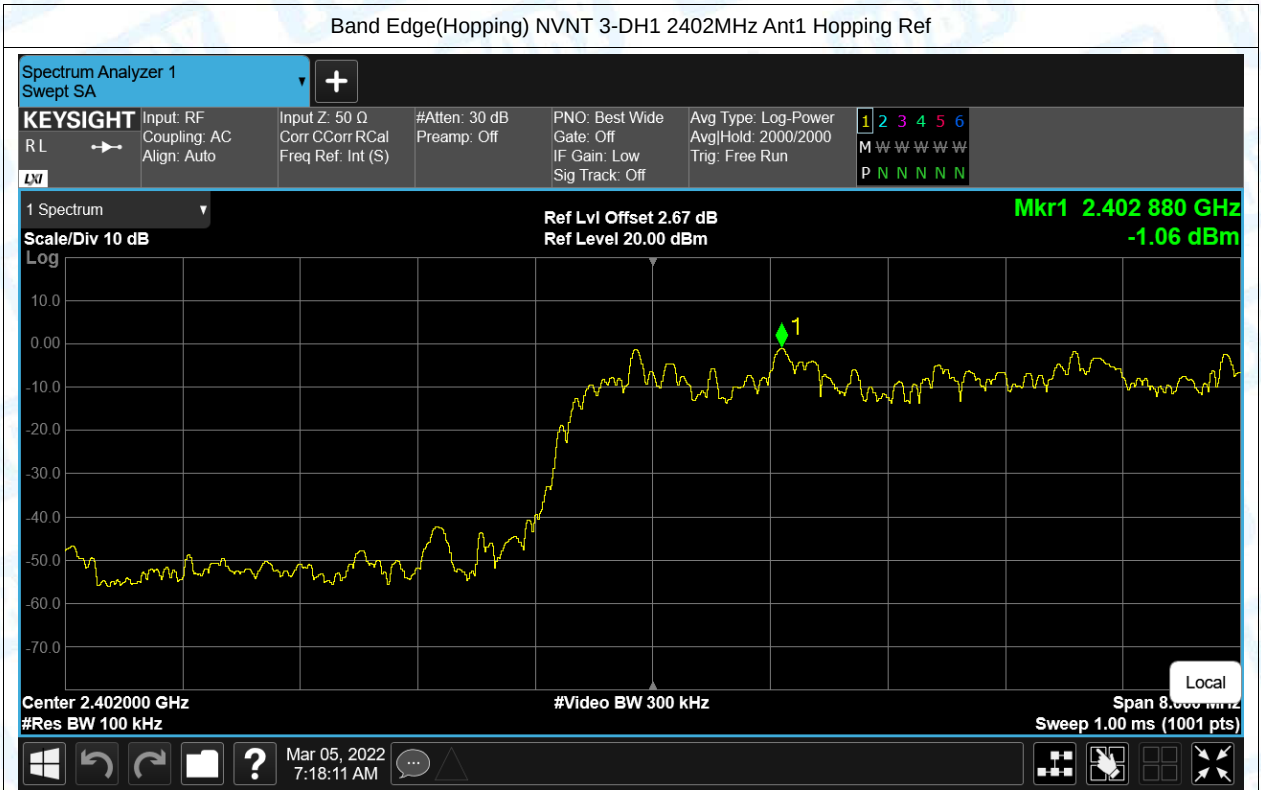


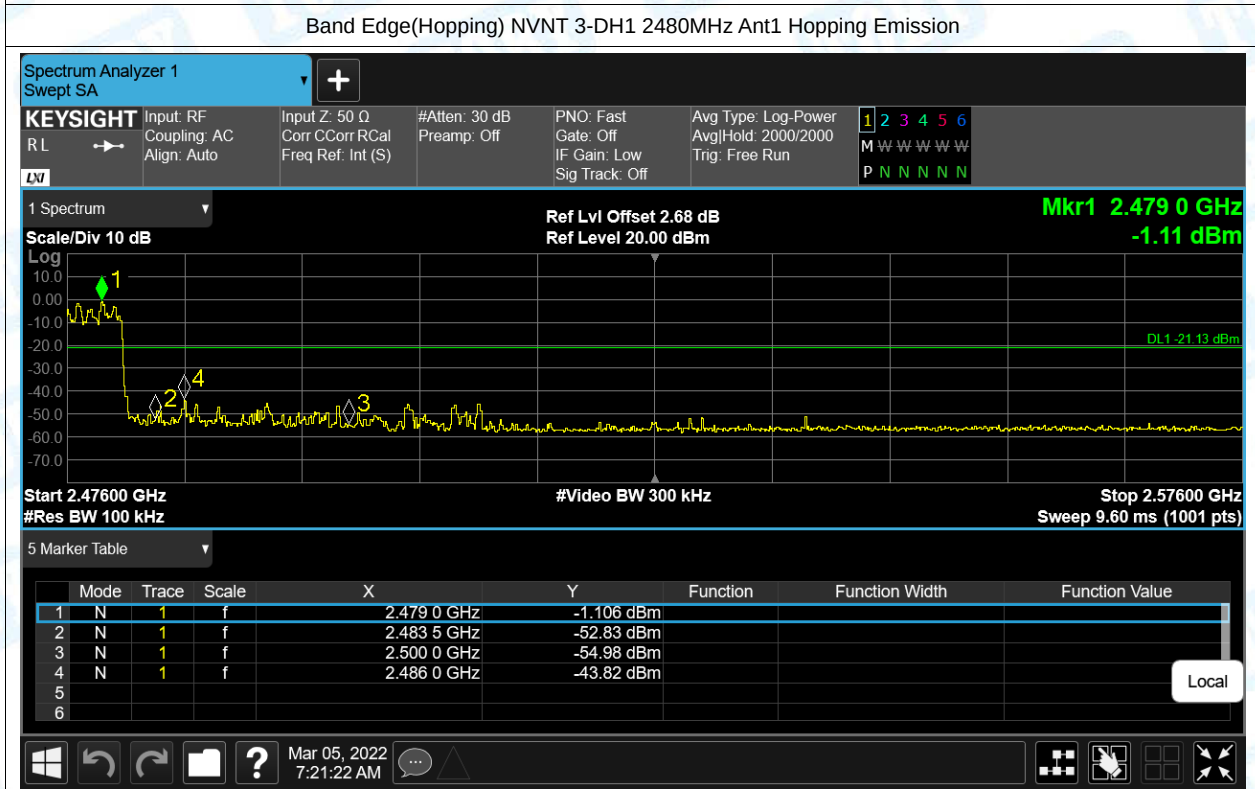
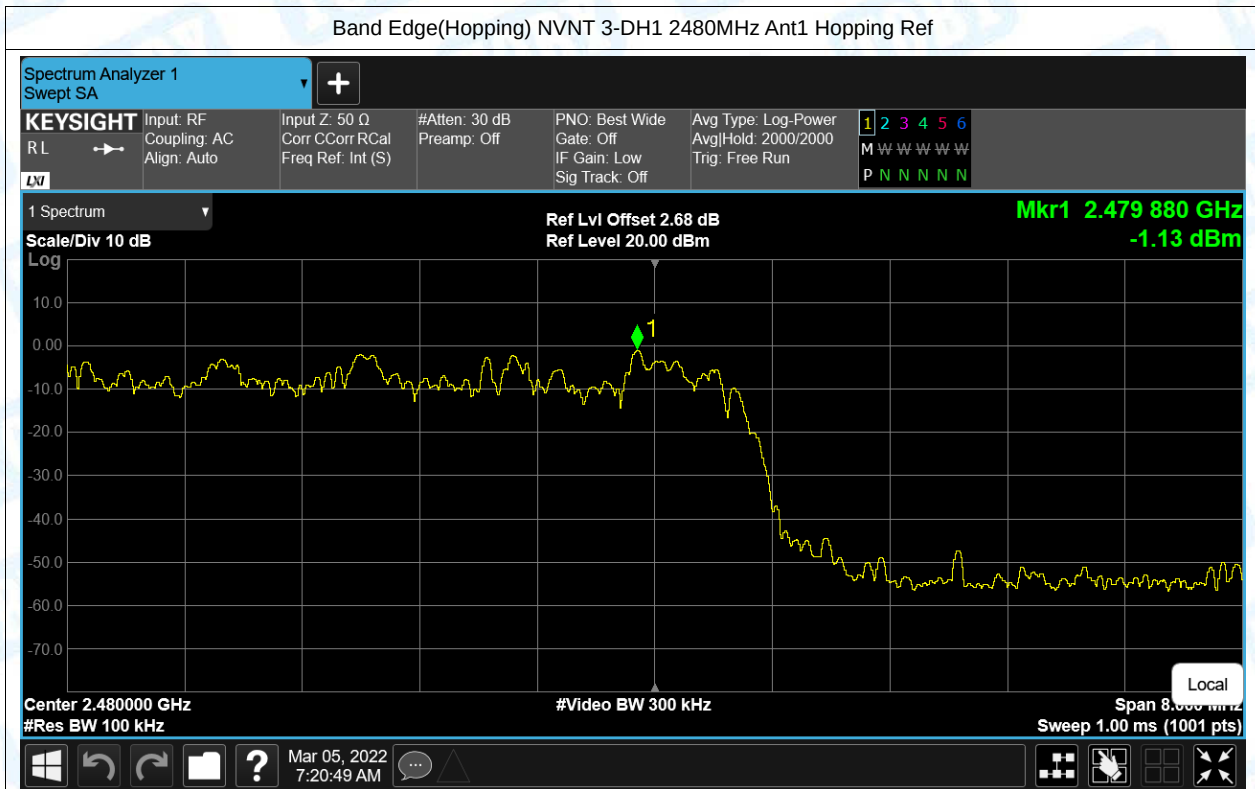
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission





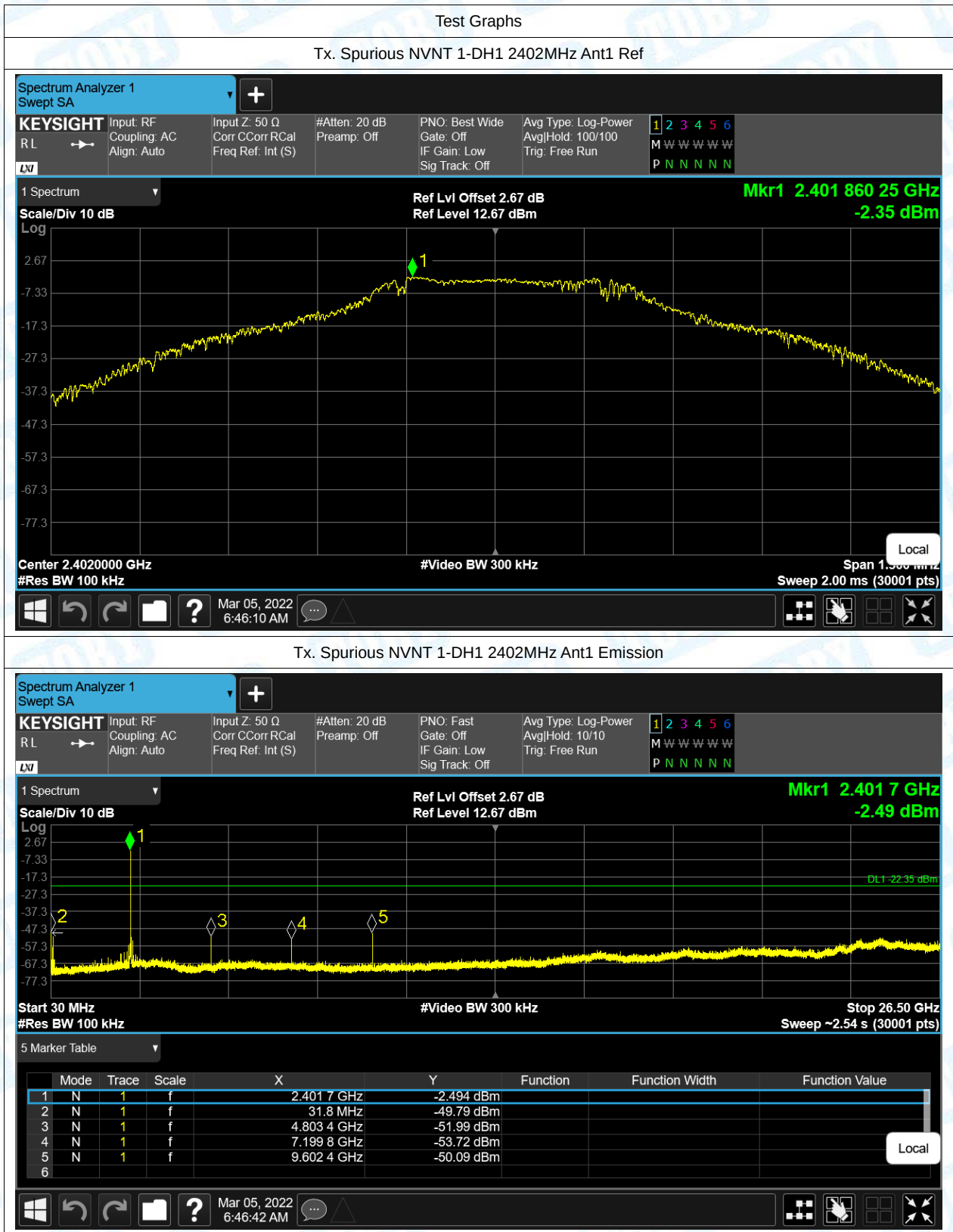




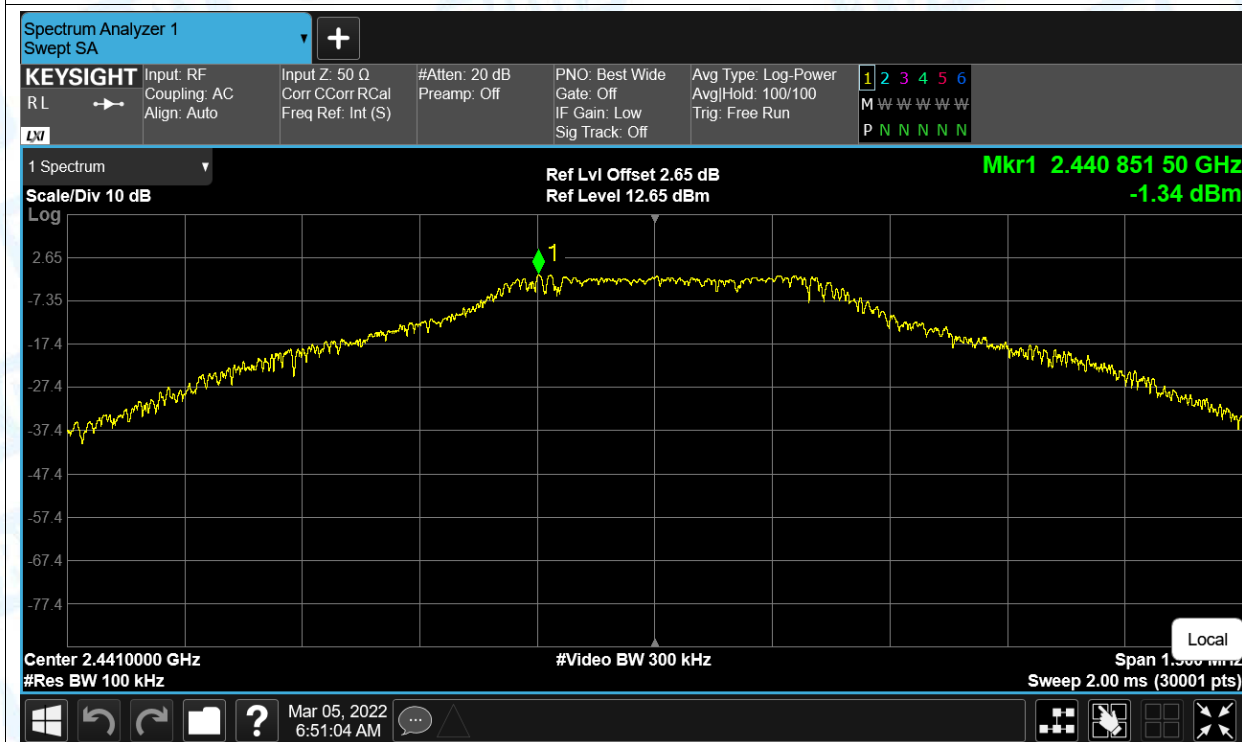


Conducted RF Spurious Emission

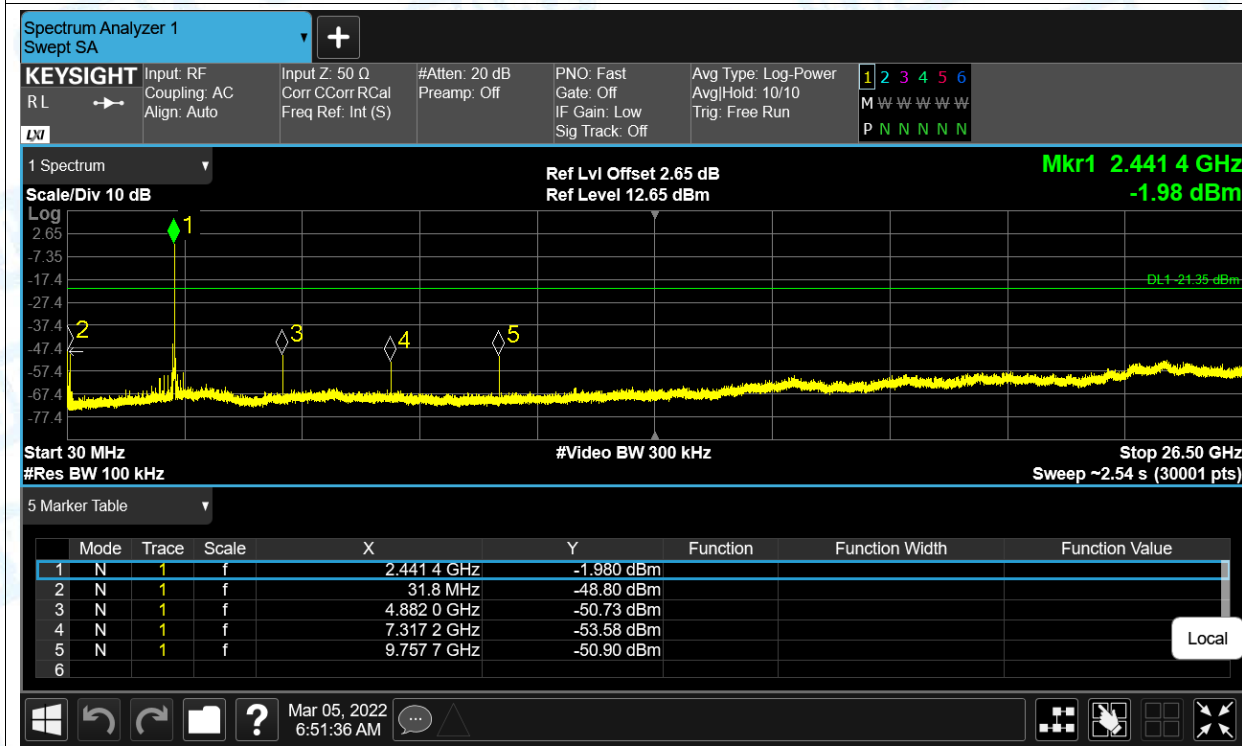
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-47.44	-20	Pass
NVNT	1-DH1	2441	Ant1	-47.46	-20	Pass
NVNT	1-DH1	2480	Ant1	-45.07	-20	Pass
NVNT	2-DH1	2402	Ant1	-46.89	-20	Pass
NVNT	2-DH1	2441	Ant1	-46.37	-20	Pass
NVNT	2-DH1	2480	Ant1	-47.17	-20	Pass
NVNT	3-DH1	2402	Ant1	-46.62	-20	Pass
NVNT	3-DH1	2441	Ant1	-46.8	-20	Pass
NVNT	3-DH1	2480	Ant1	-45.38	-20	Pass

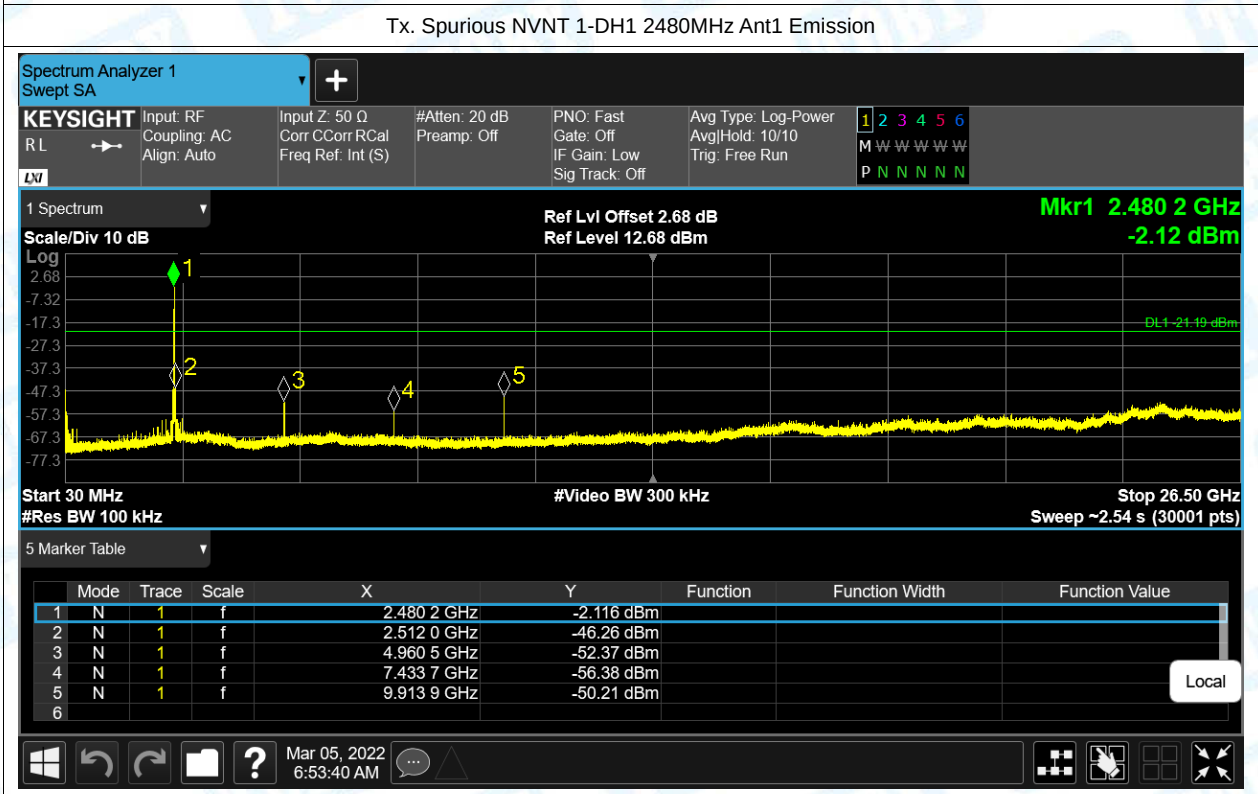
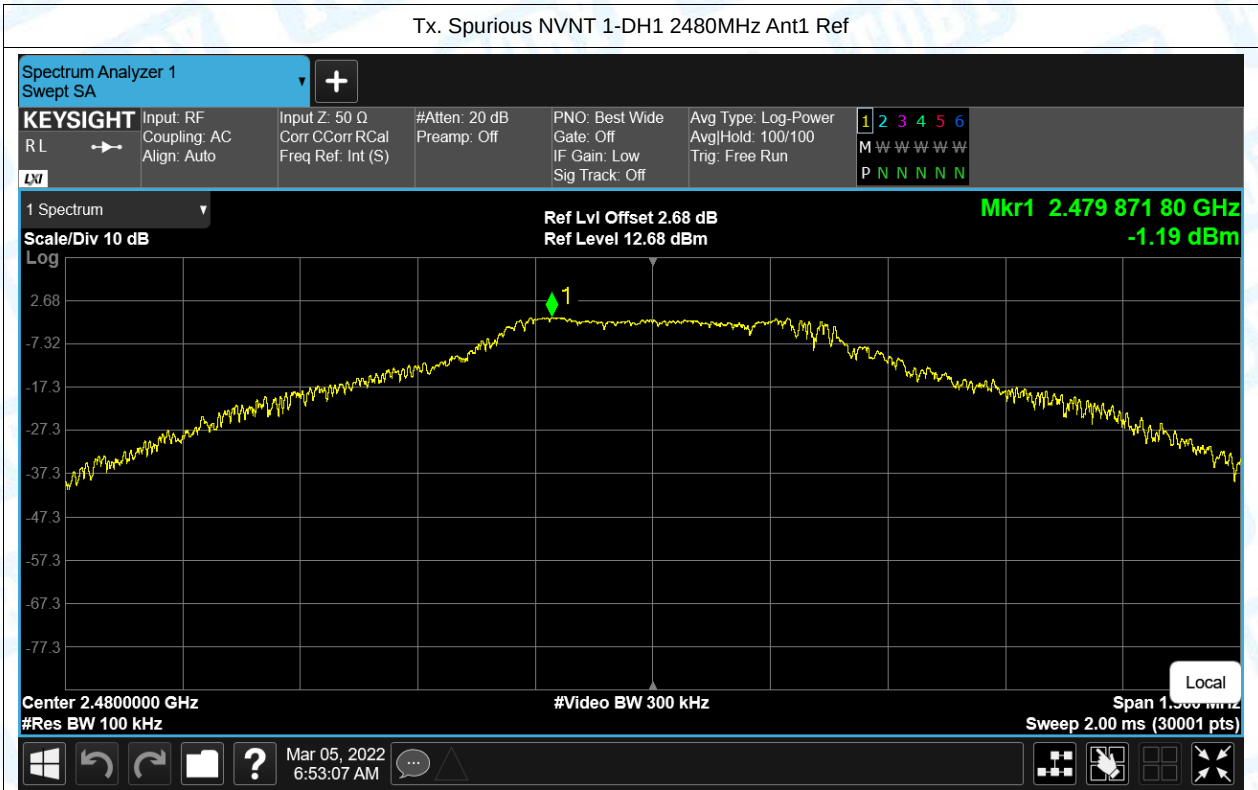


Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref

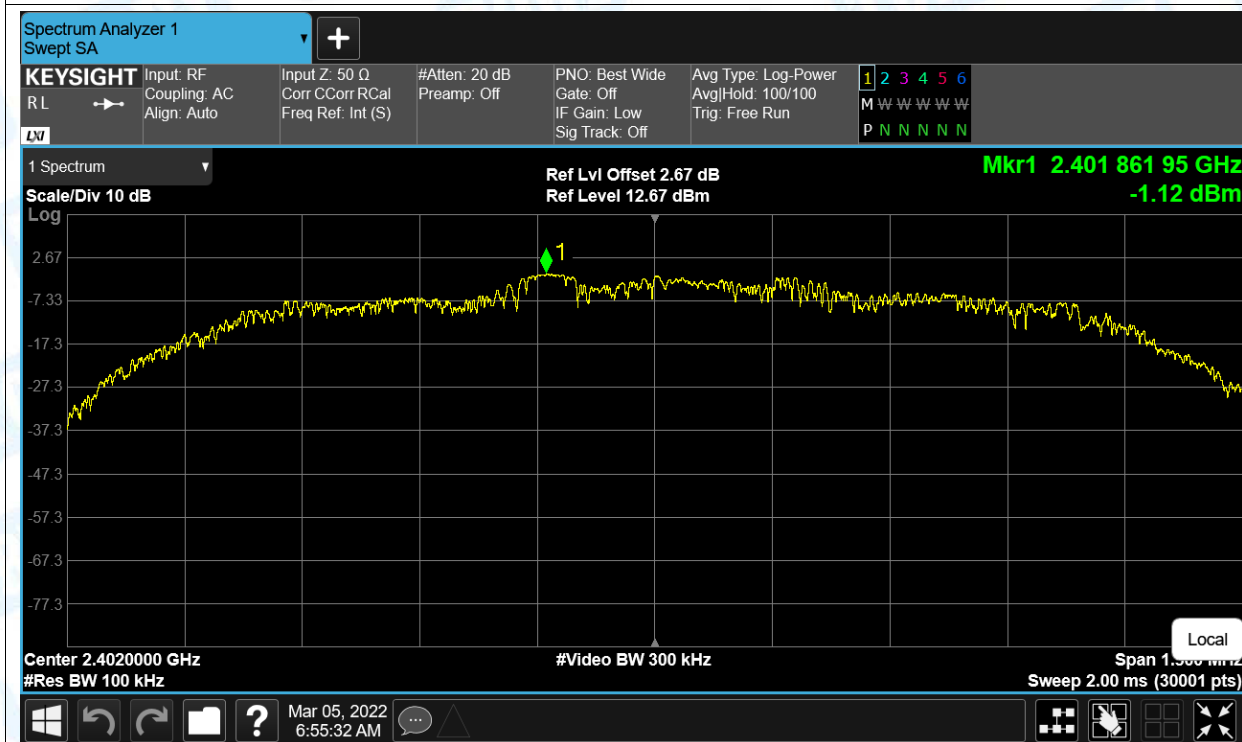


Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission

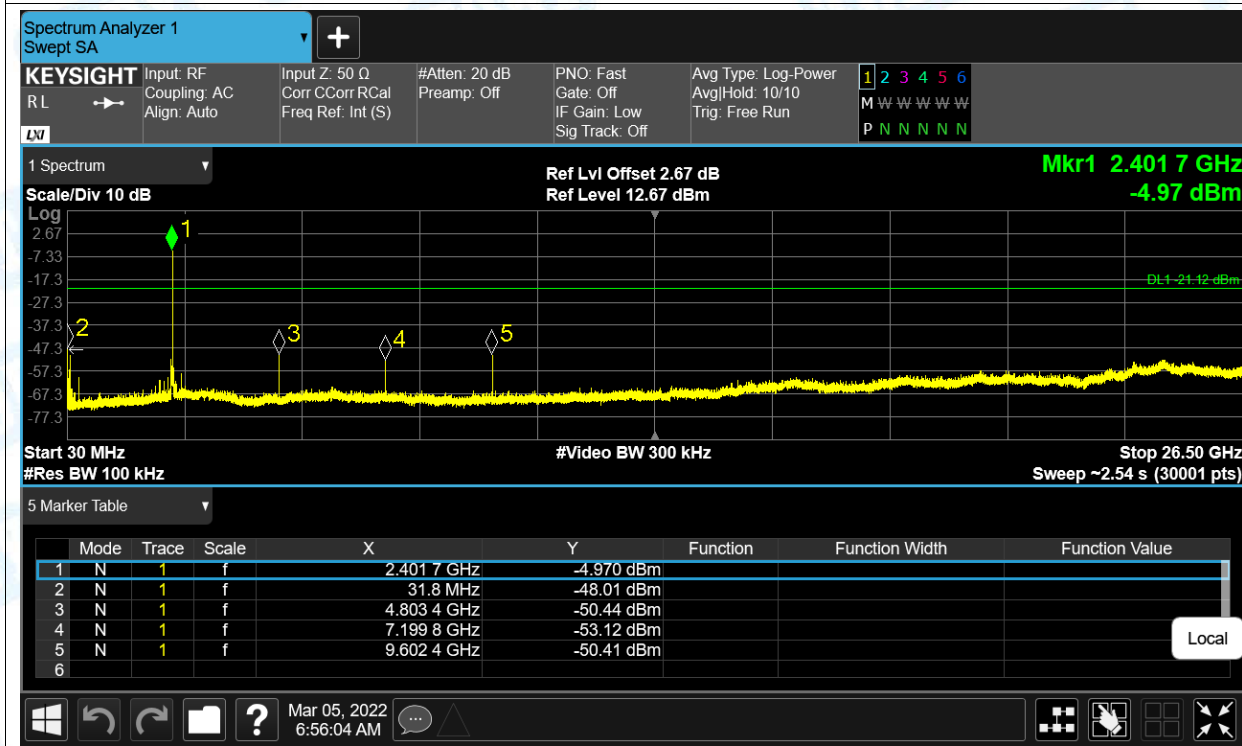




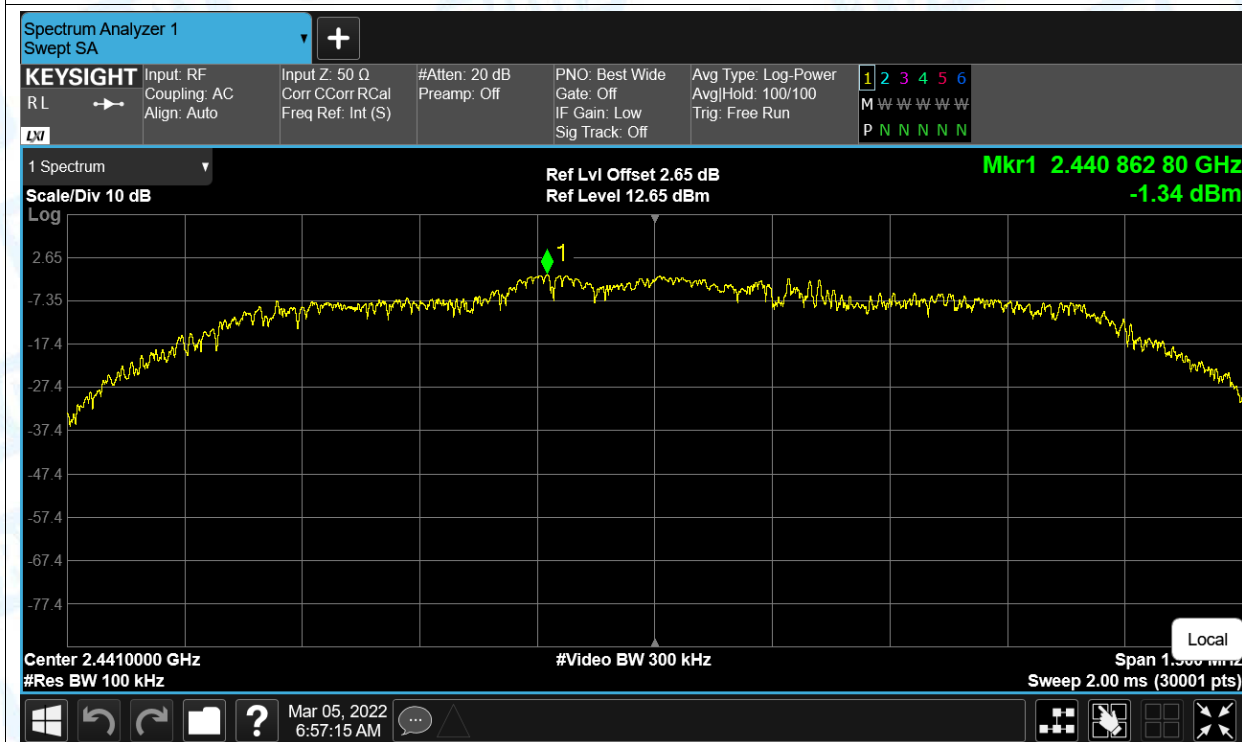
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



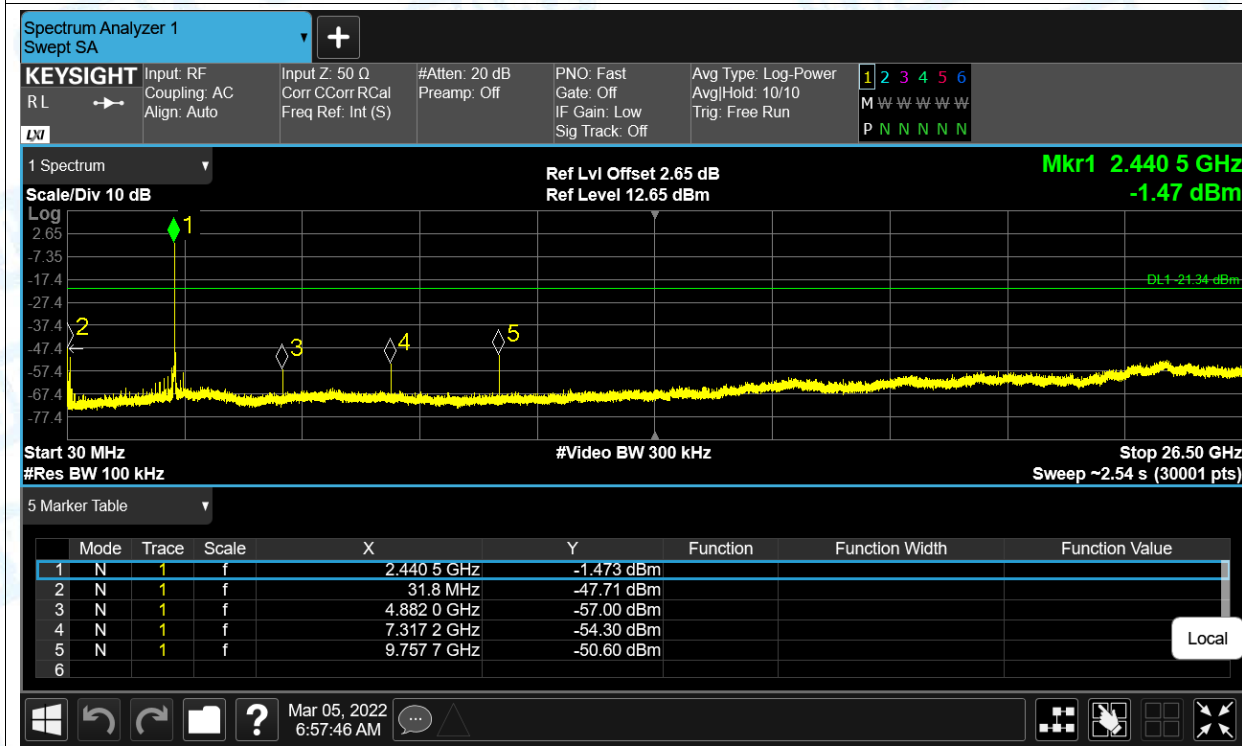
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



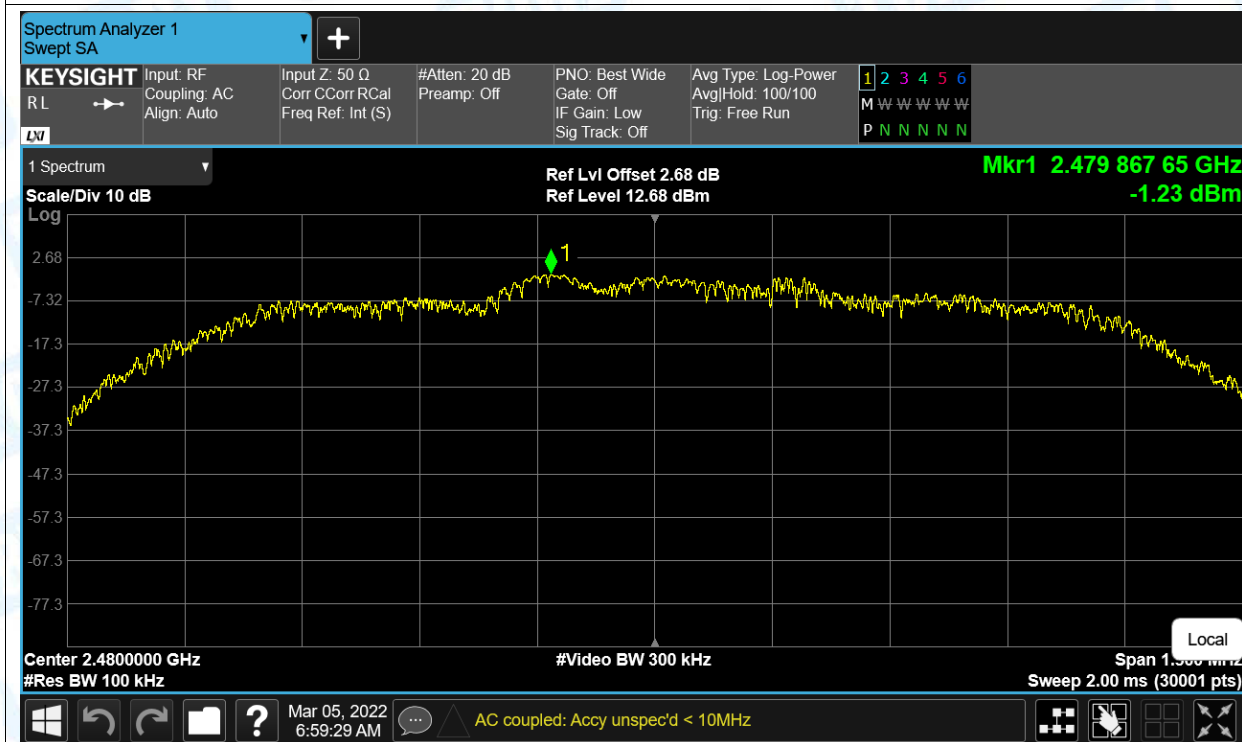
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



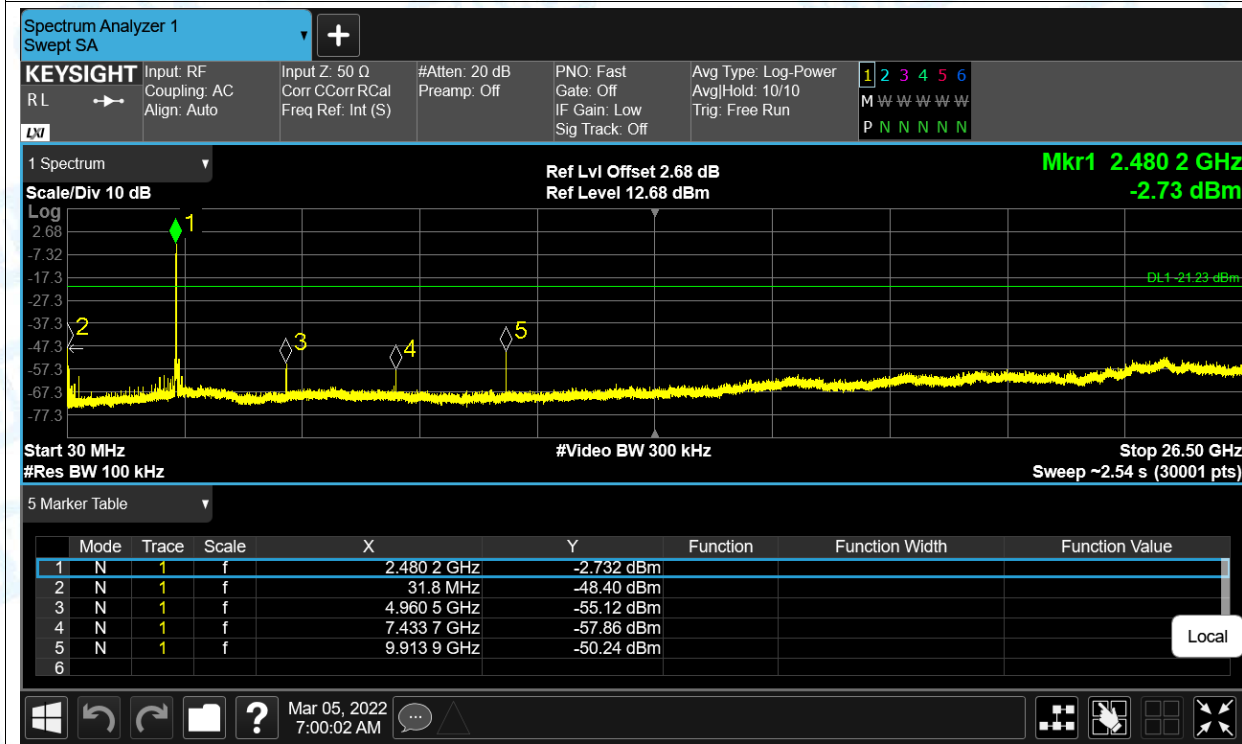
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission

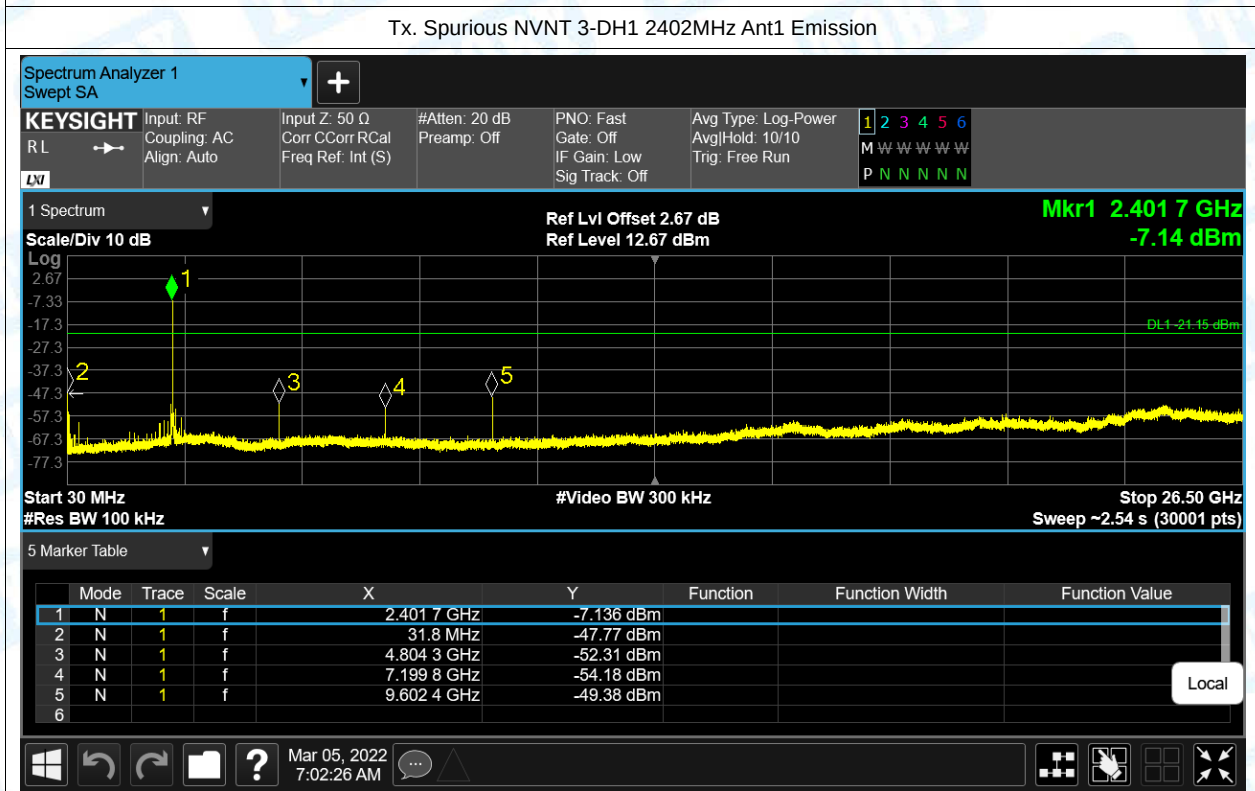
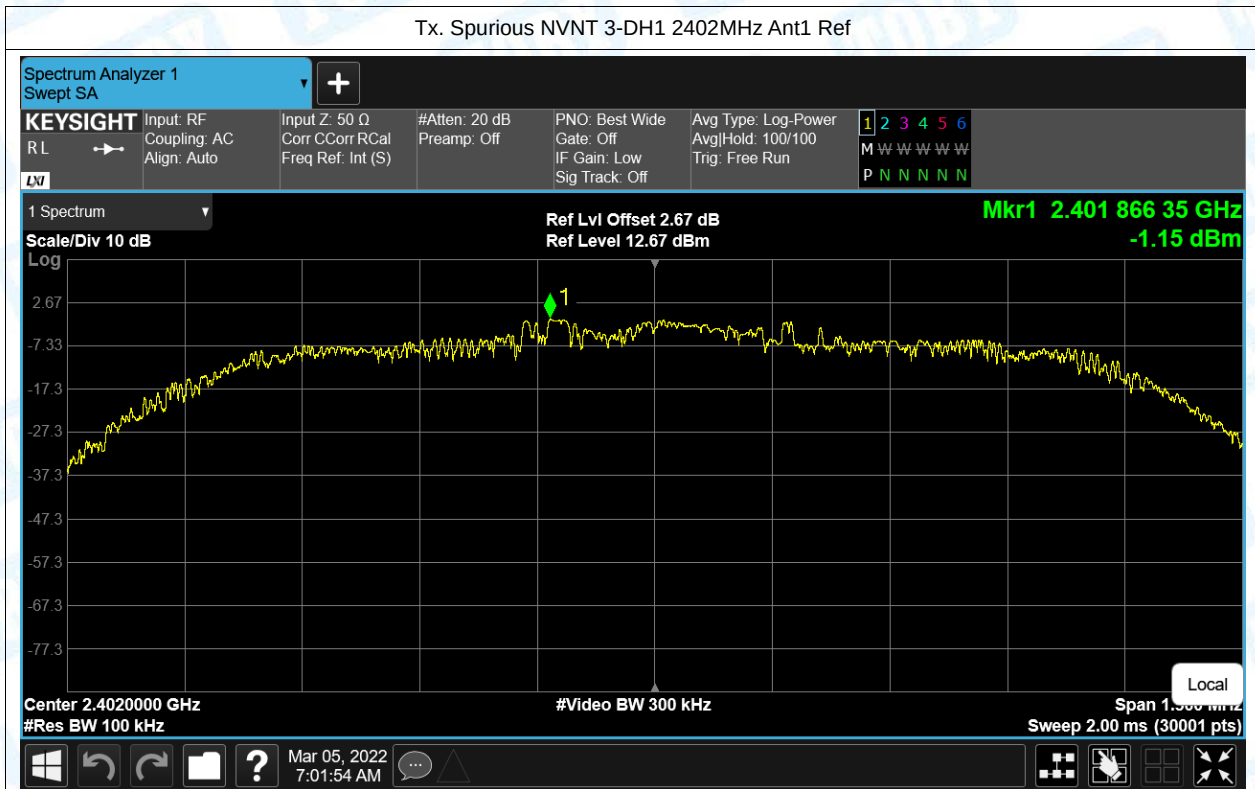


Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref

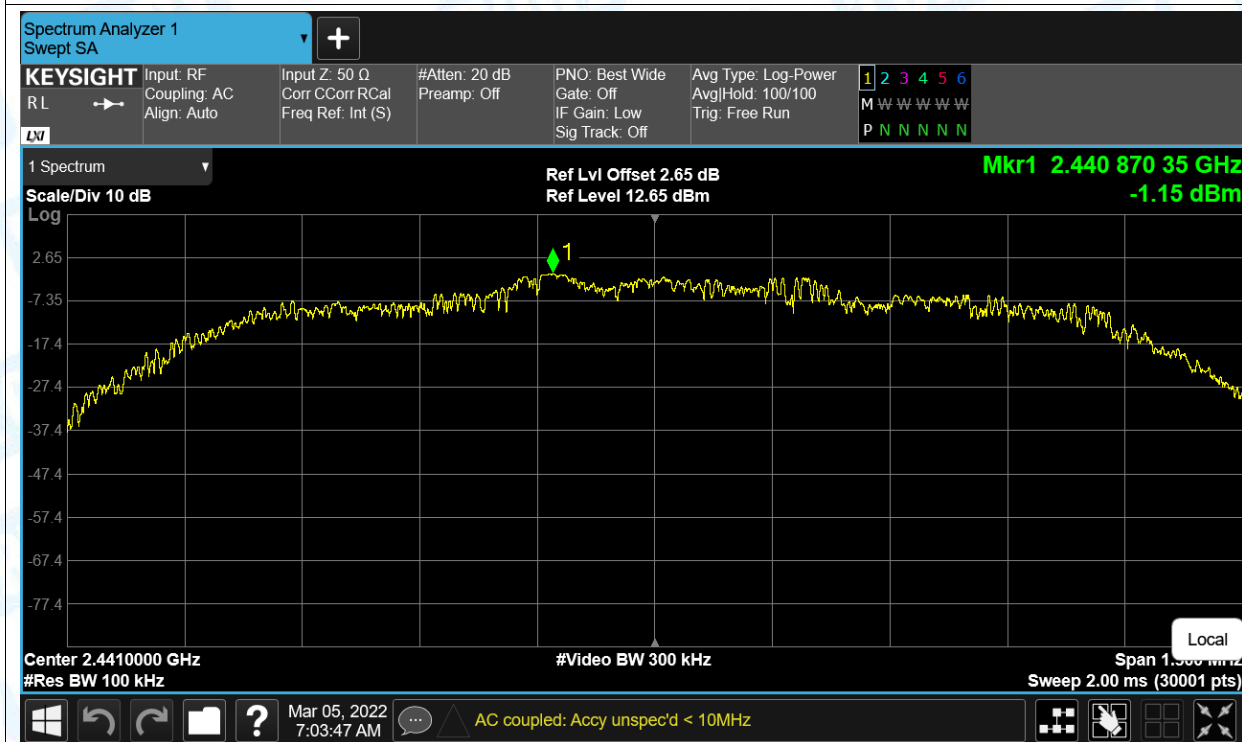


Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission

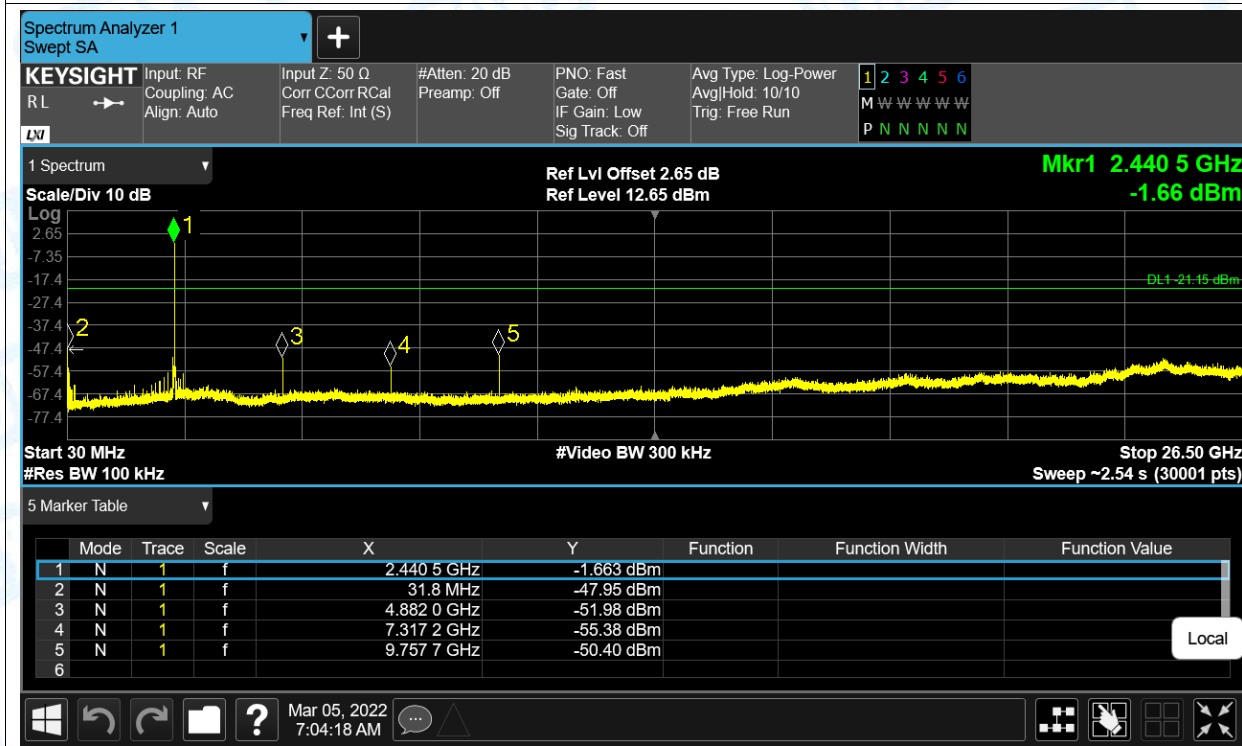




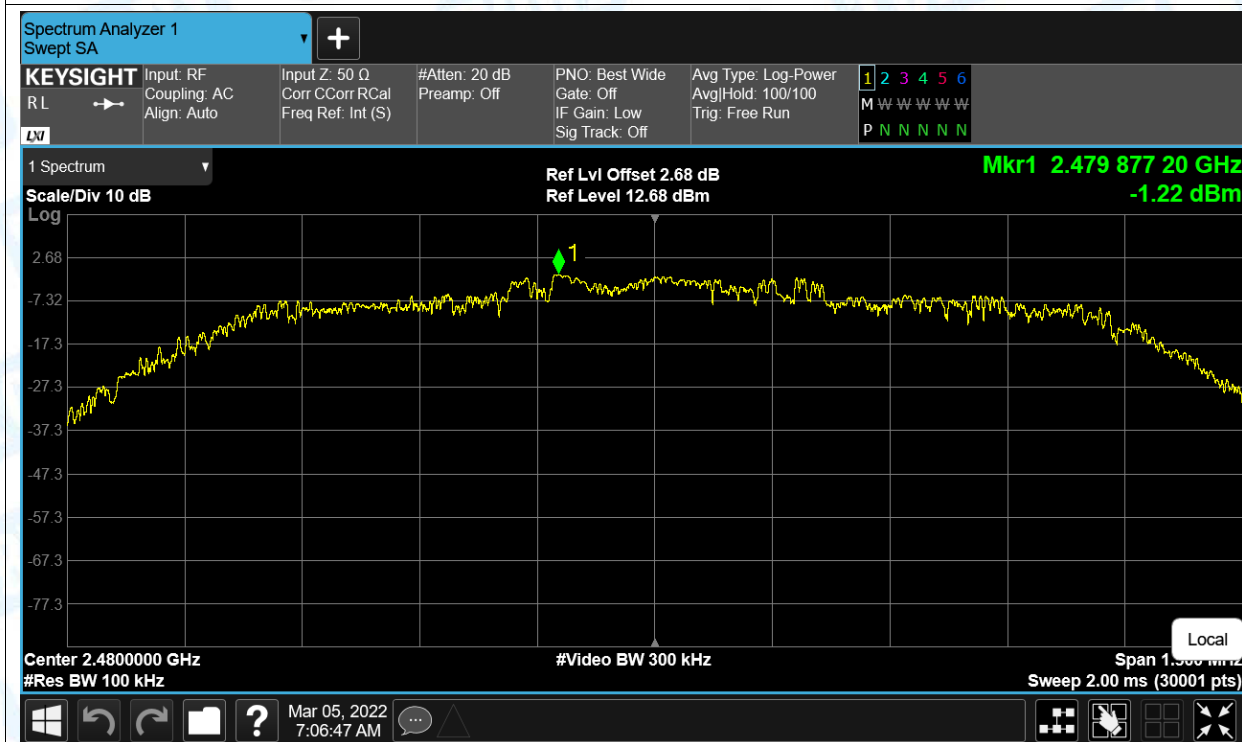
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



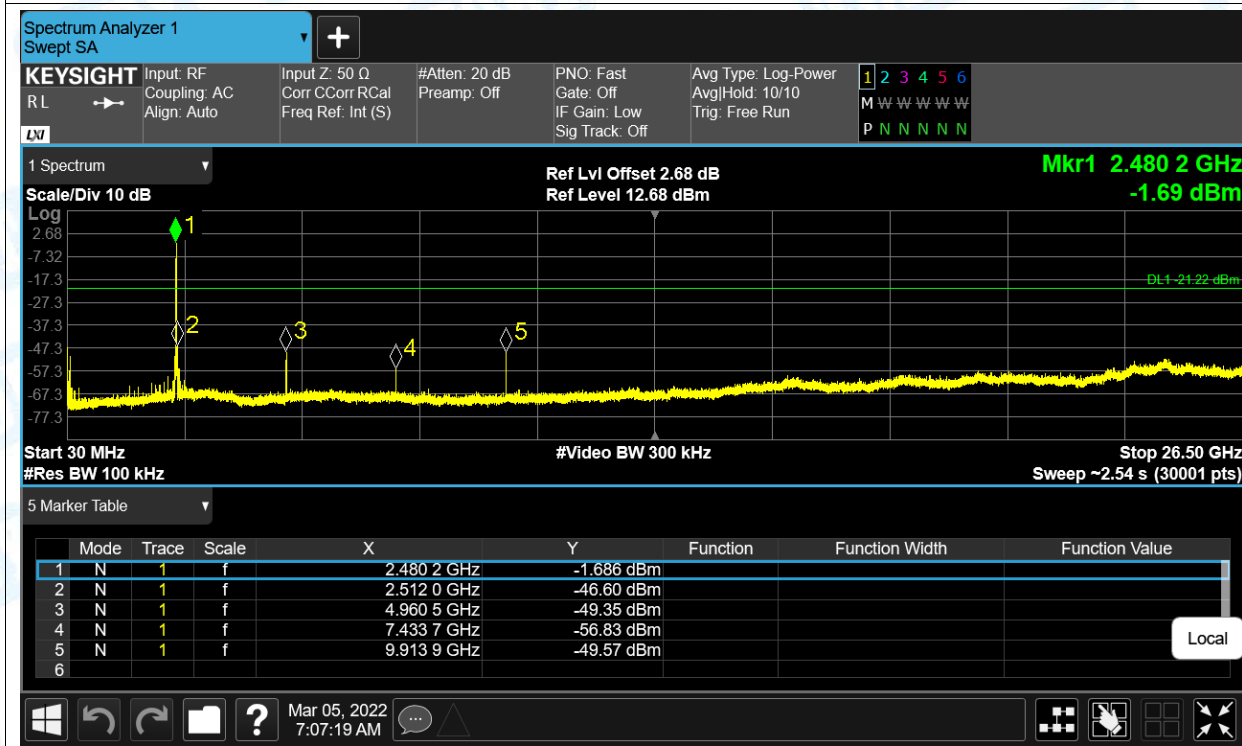
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission

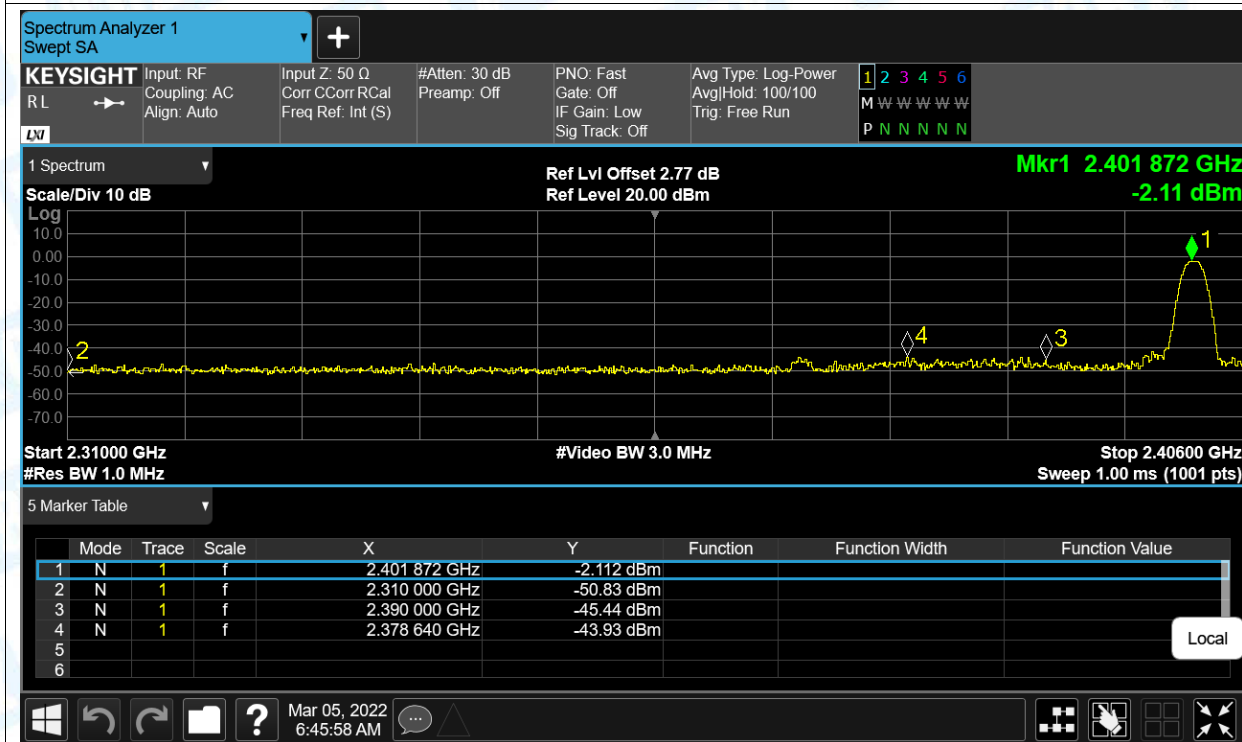


Restrict Band

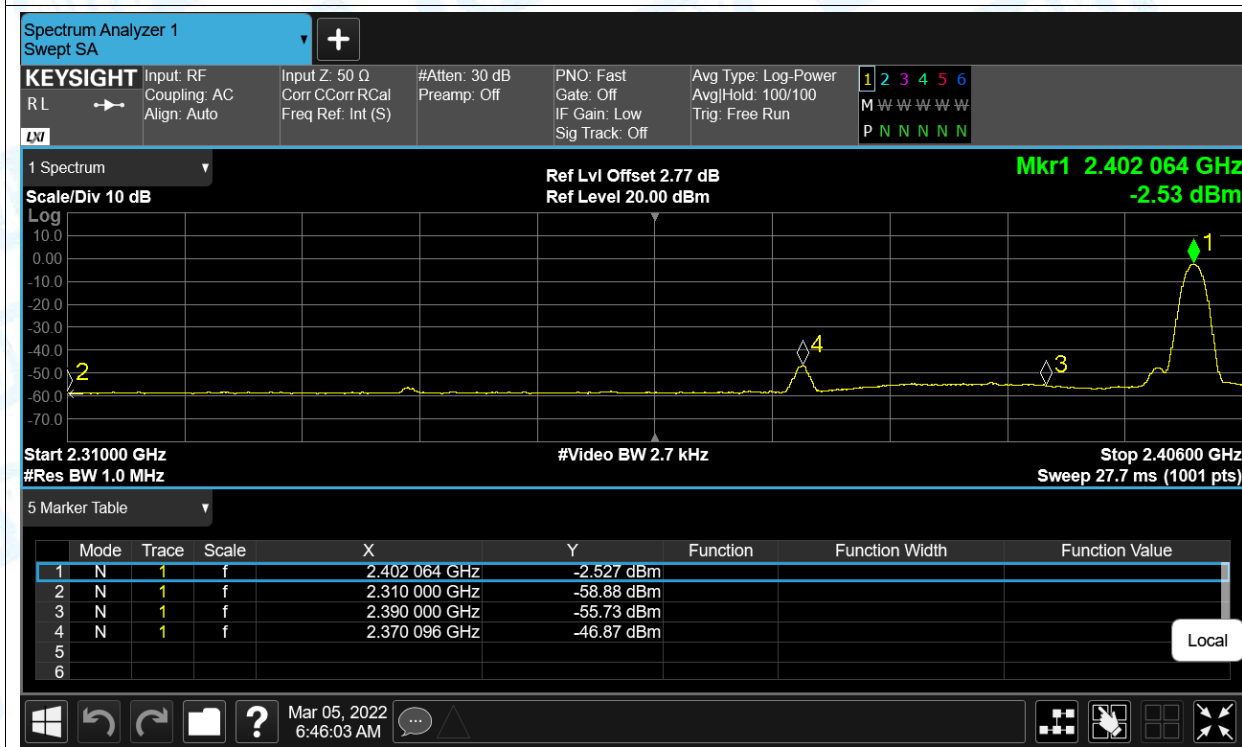
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	2310	-50.83	2	46.43	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2310	-58.88	2	38.38	Average	54	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2378.64	-43.93	2	53.33	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2370.096	-46.87	2	50.39	Average	54	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2390	-47.36	2	49.9	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2390	-55.66	2	41.6	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.5	-44.07	2	53.19	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.5	-51.57	2	45.69	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2489.8	-41.41	2	55.85	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.512	-51.57	2	45.69	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2500	-44.96	2	52.3	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2500	-53.91	2	43.35	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2310	-50.2	2	47.06	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2310	-58.49	2	38.77	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2389.68	-42.49	2	54.77	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2369.904	-48.39	2	48.87	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2390	-46.02	2	51.24	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2390	-55.14	2	42.12	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.5	-45.34	2	51.92	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.5	-53.01	2	44.25	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2497.12	-41.42	2	55.84	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.896	-52.94	2	44.32	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2500	-44.4	2	52.86	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2500	-54.17	2	43.09	Average	54	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2310	-49.75	2	47.51	Peak	74	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2310	-58.51	2	38.75	Average	54	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2370.576	-43.02	2	54.24	Peak	74	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2369.712	-48.38	2	48.88	Average	54	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2390	-45.4	2	51.86	Peak	74	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2390	-54.65	2	42.61	Average	54	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2483.5	-45.41	2	51.85	Peak	74	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2483.5	-52.63	2	44.63	Average	54	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2495.344	-41.68	2	55.58	Peak	74	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2483.512	-52.63	2	44.63	Average	54	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2500	-45.92	2	51.34	Peak	74	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2500	-53.74	2	43.52	Average	54	Pass

Test Graphs

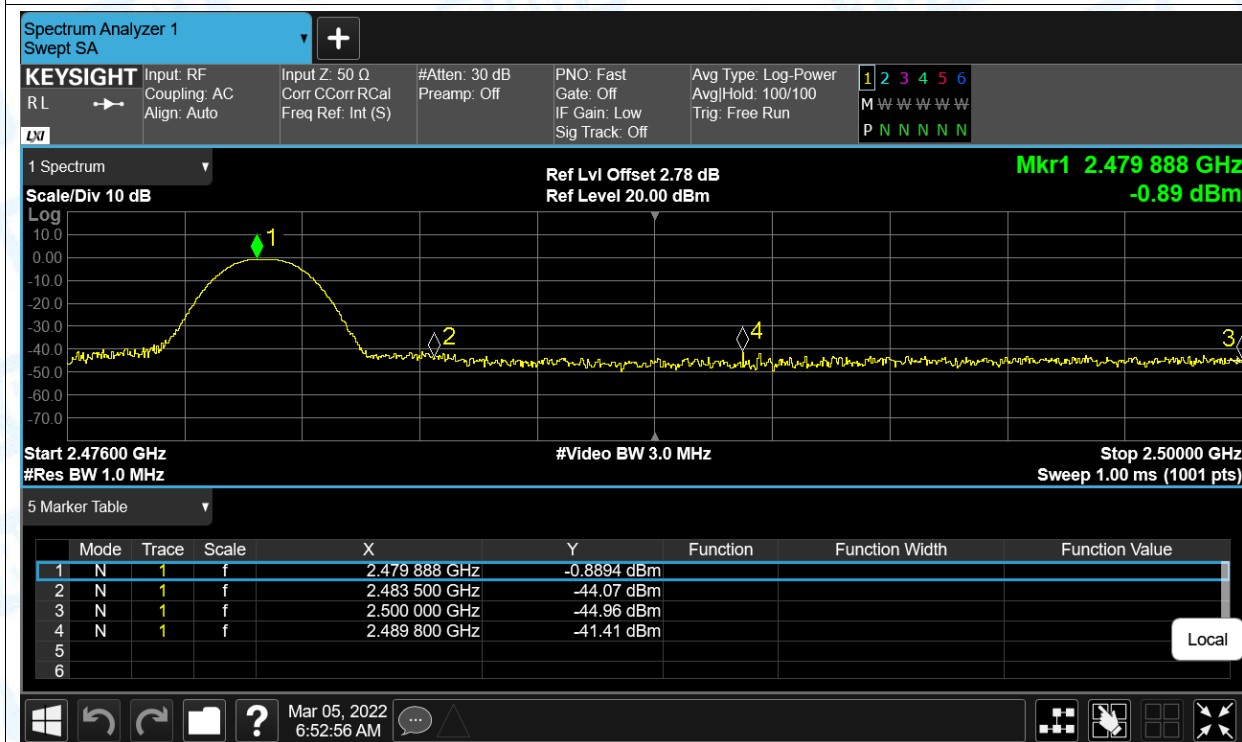
Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Peak



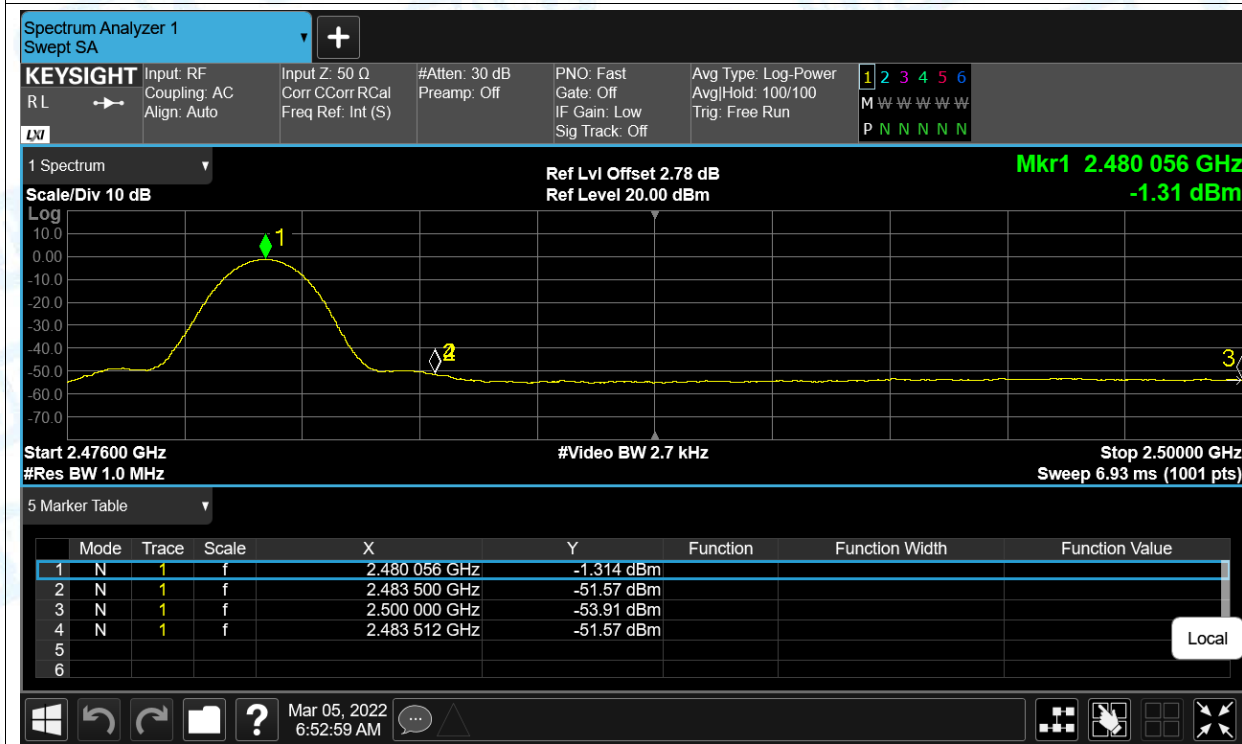
Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Average



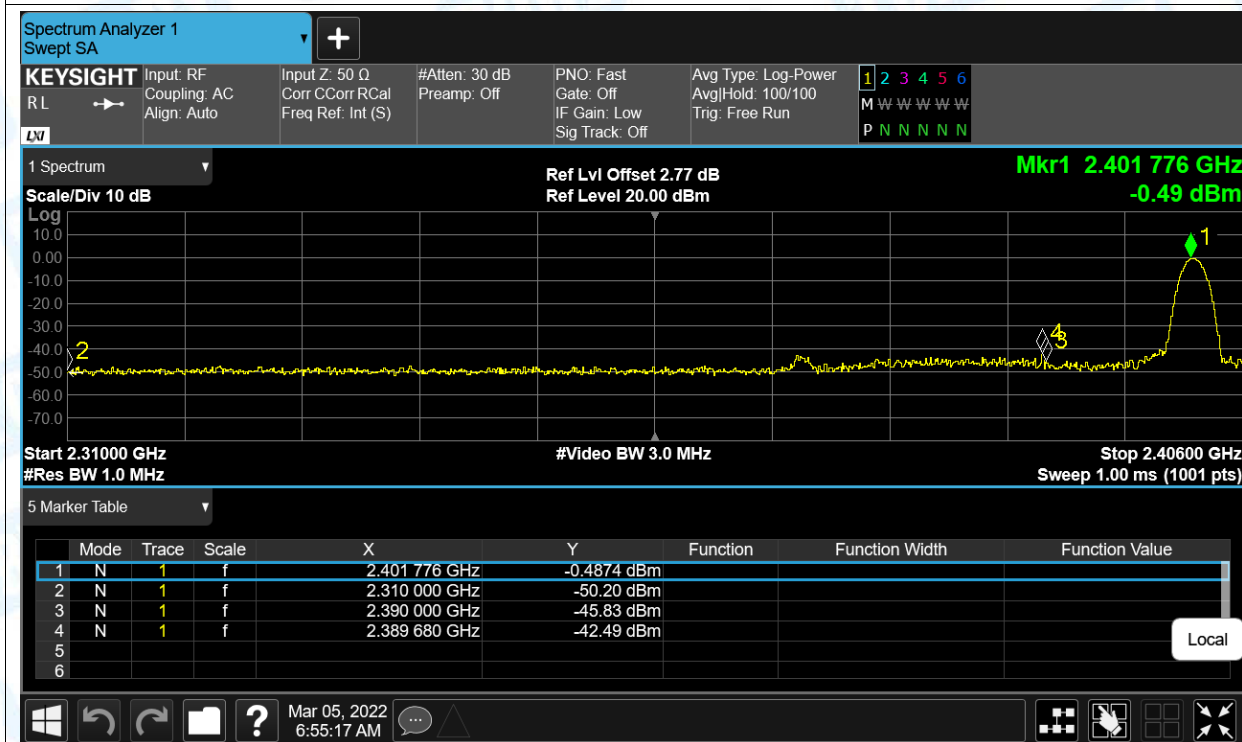
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Peak



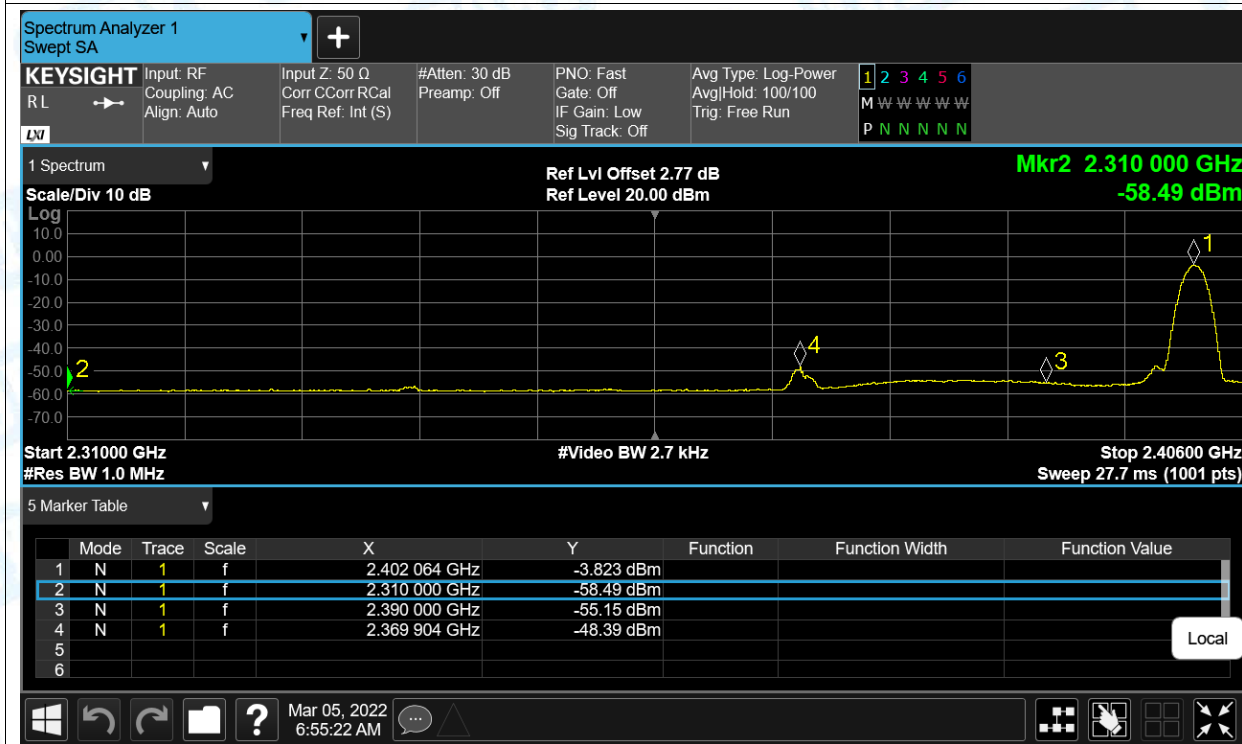
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Average



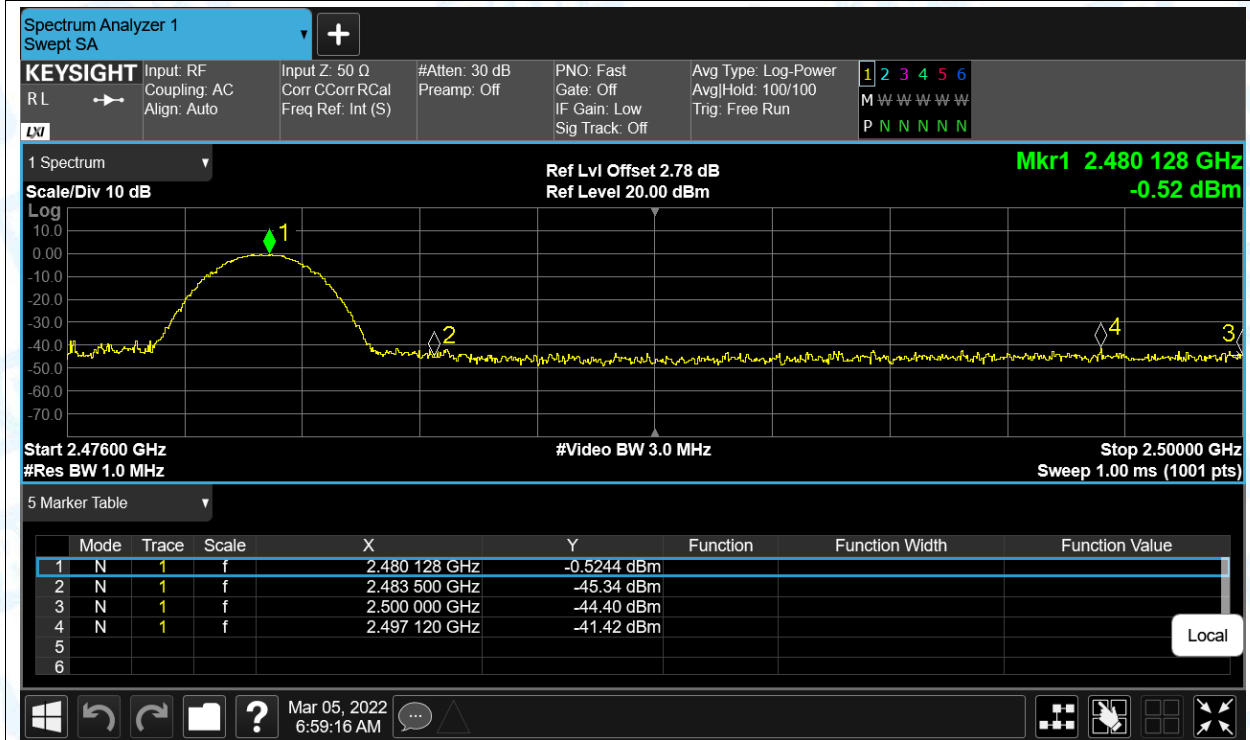
Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Peak



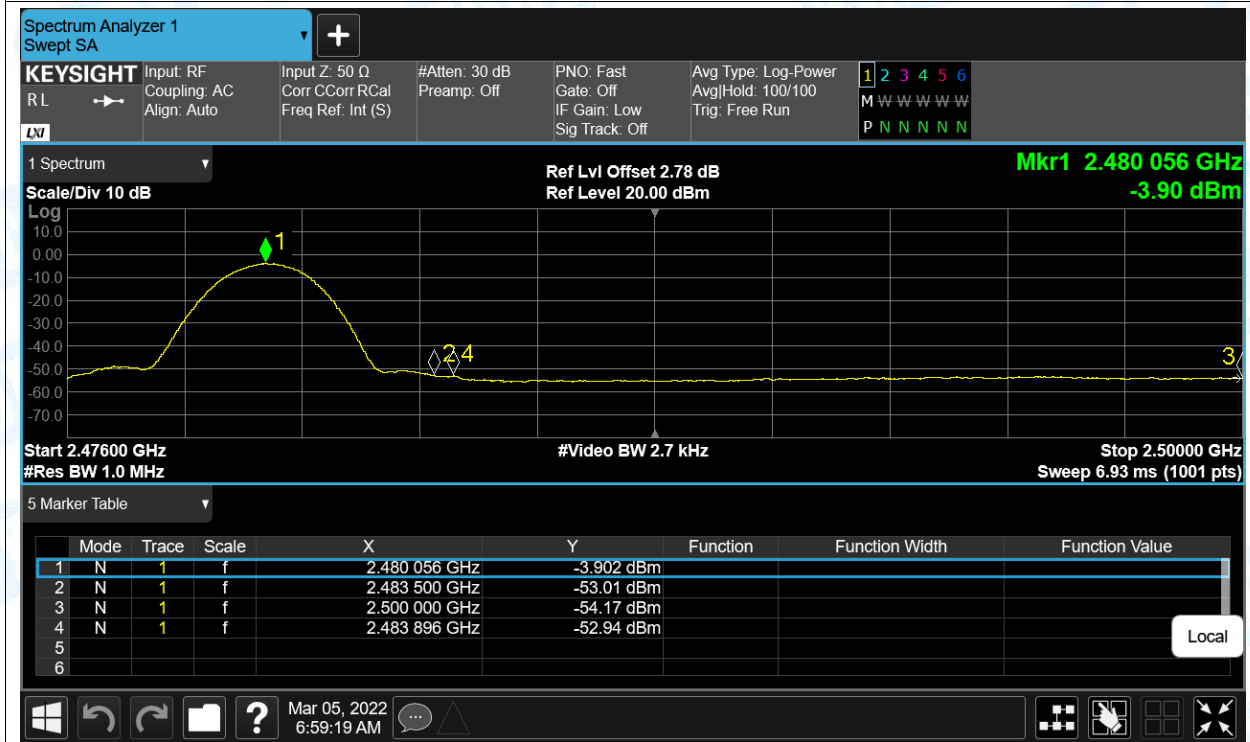
Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Average



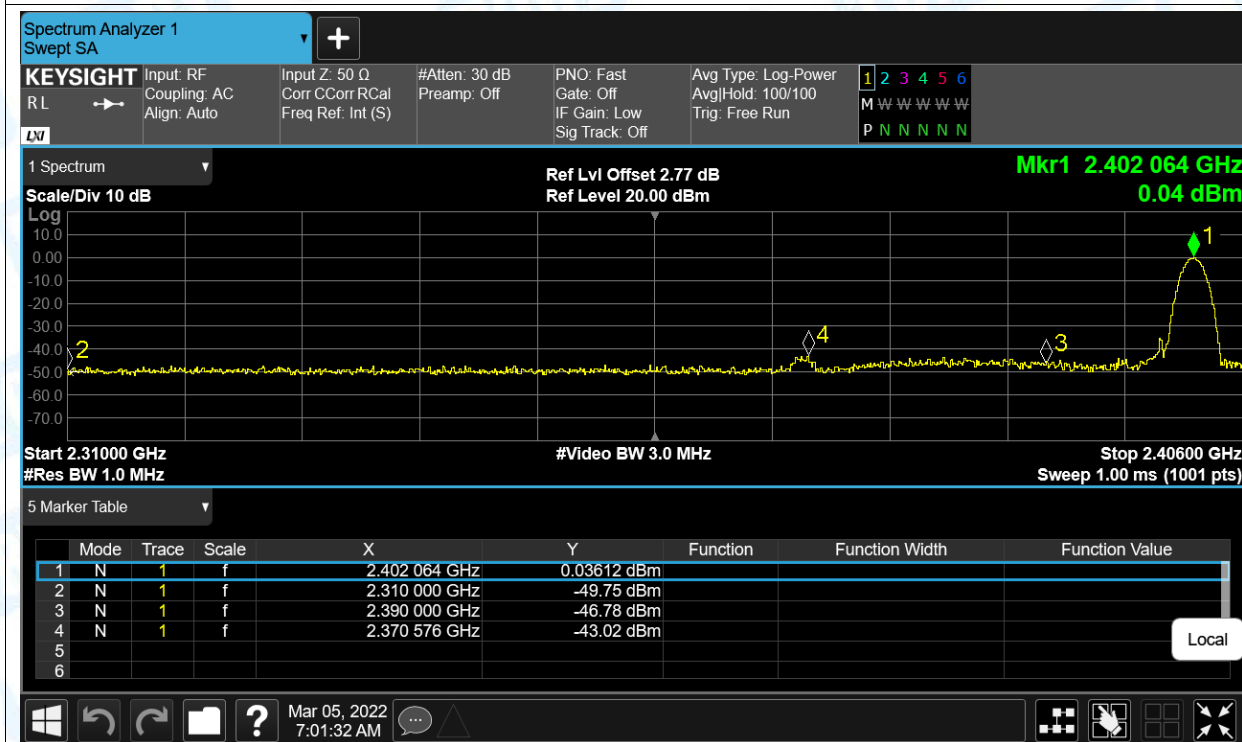
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Peak



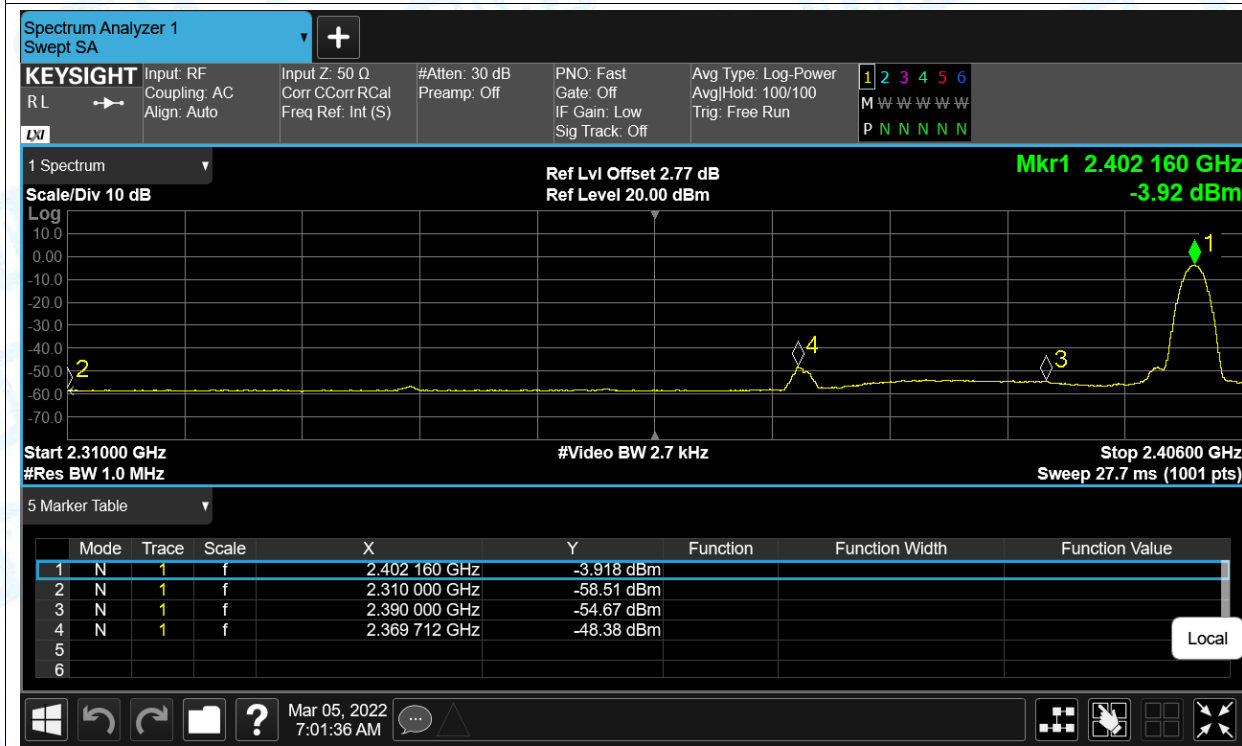
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Average



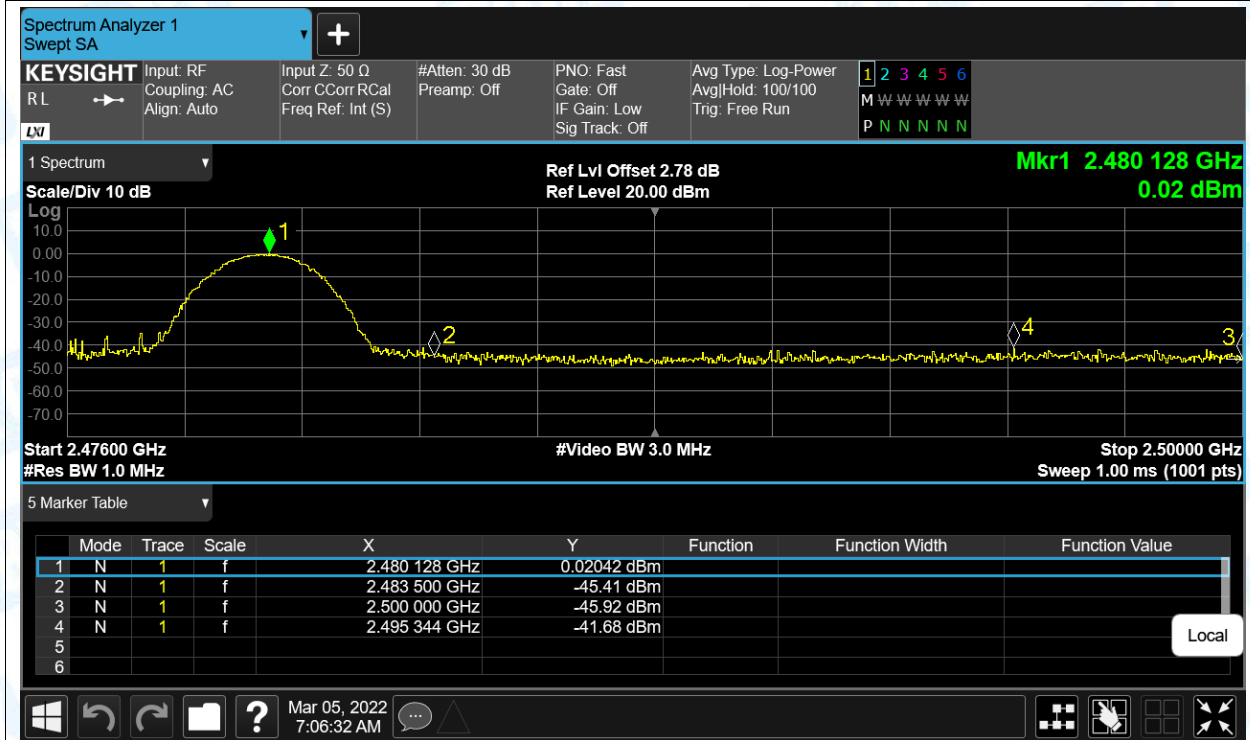
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Peak



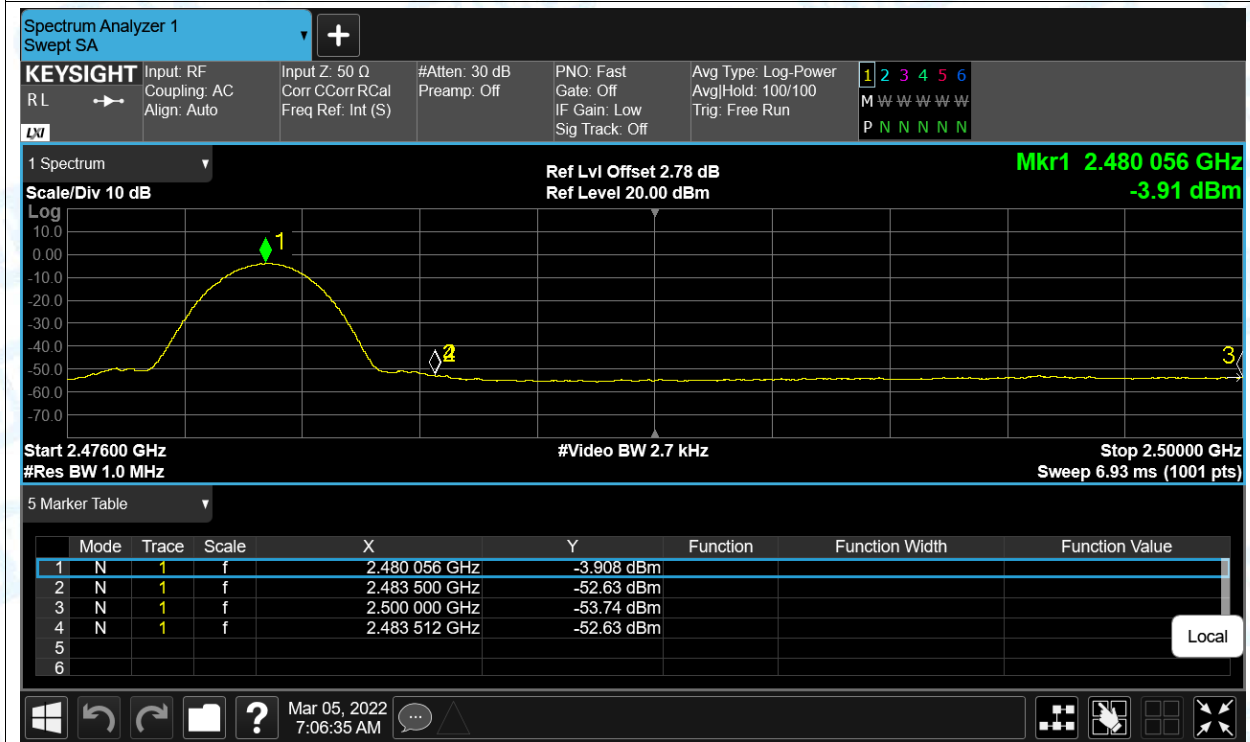
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Average



Restrict Band NVNT 3-DH1 2480MHz Ant1 No-Hopping Peak

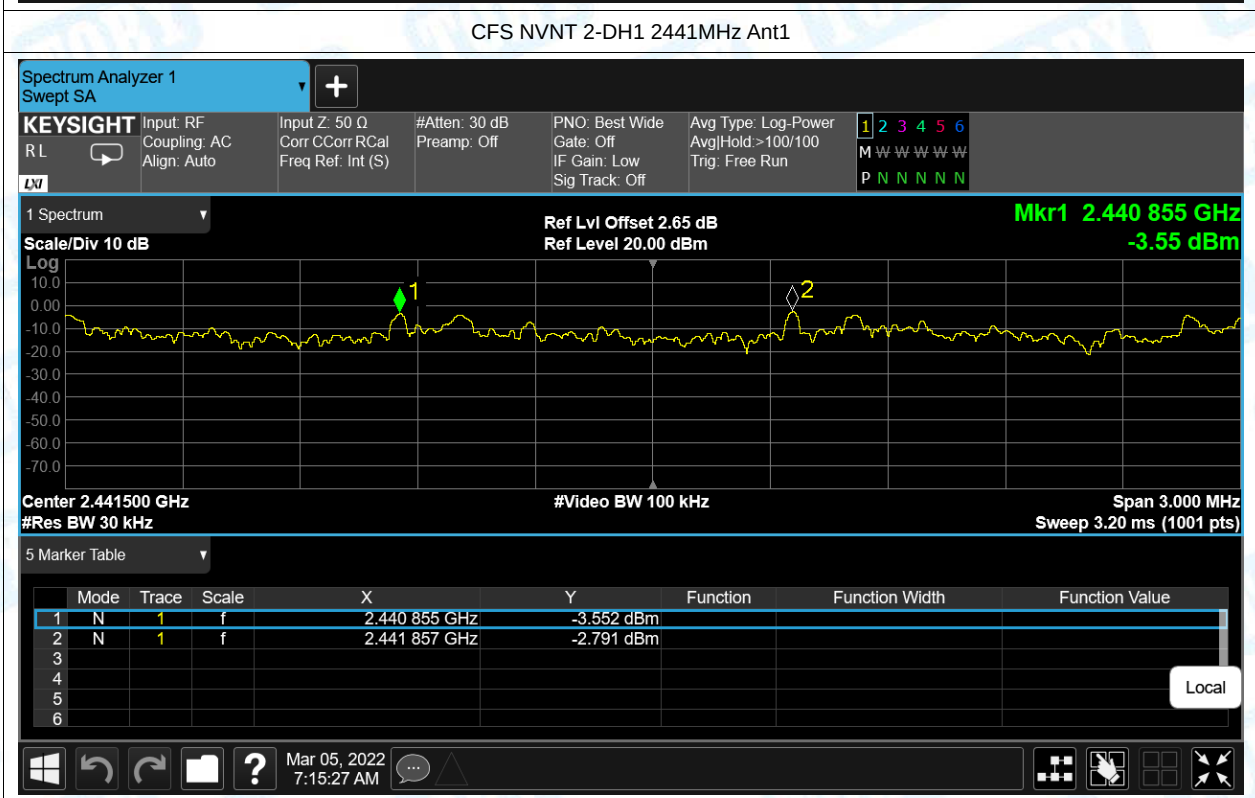
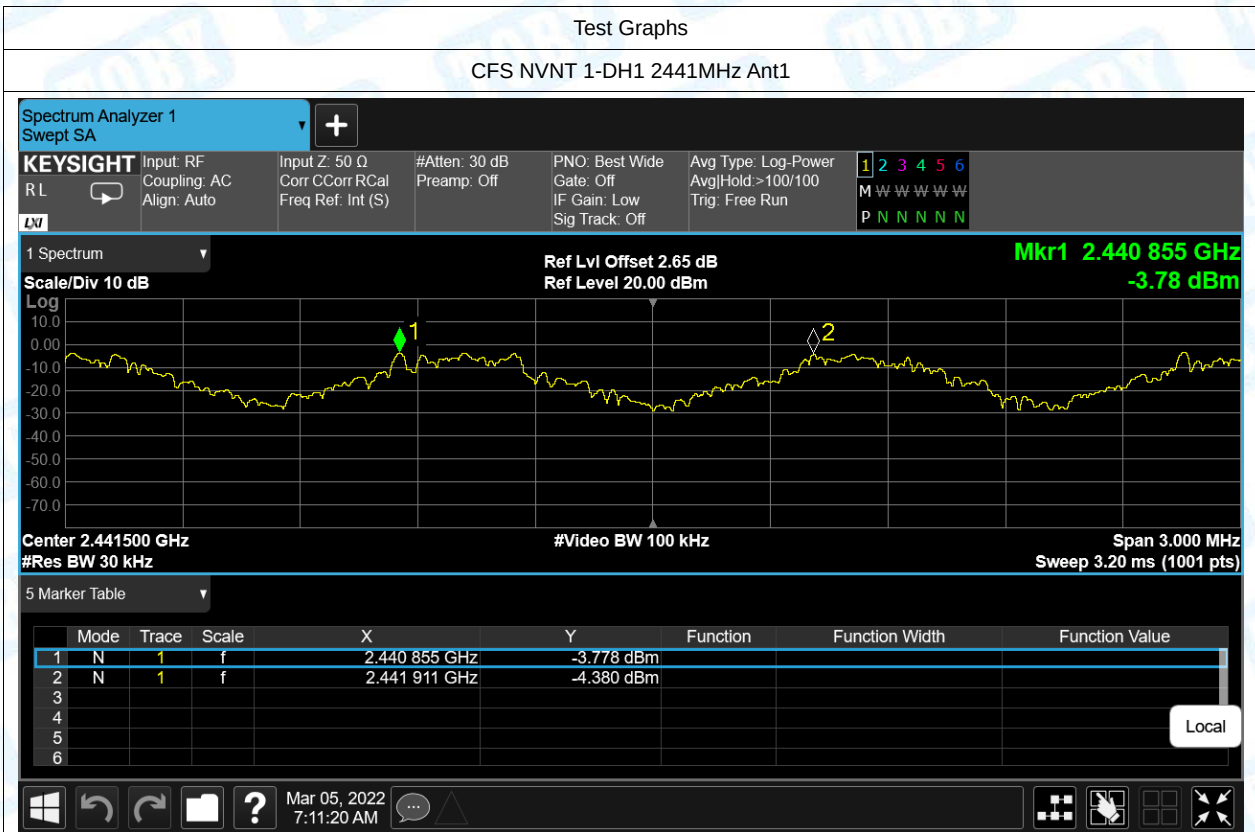


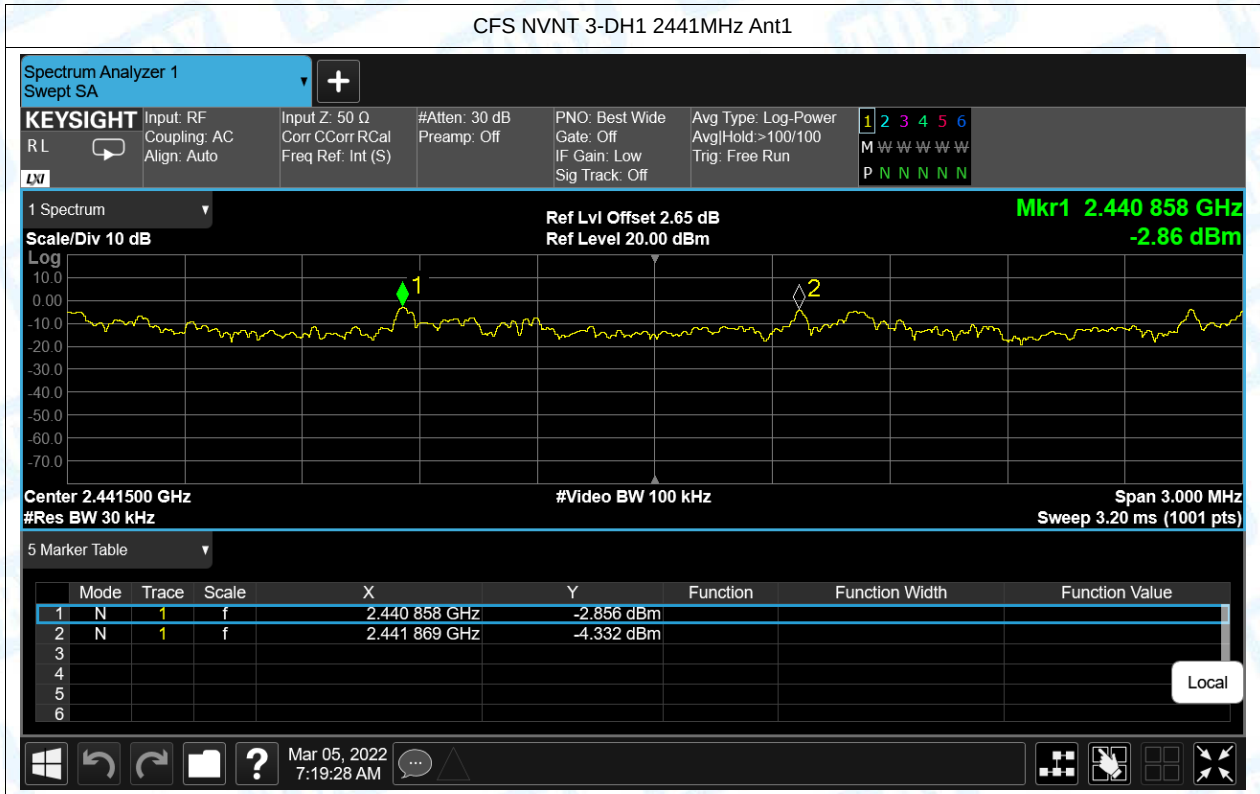
Restrict Band NVNT 3-DH1 2480MHz Ant1 No-Hopping Average



Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	Ant1	2440.855	2441.911	1.056	0.62	Pass
NVNT	2-DH1	Ant1	2440.855	2441.857	1.002	0.84	Pass
NVNT	3-DH1	Ant1	2440.858	2441.869	1.011	0.827	Pass



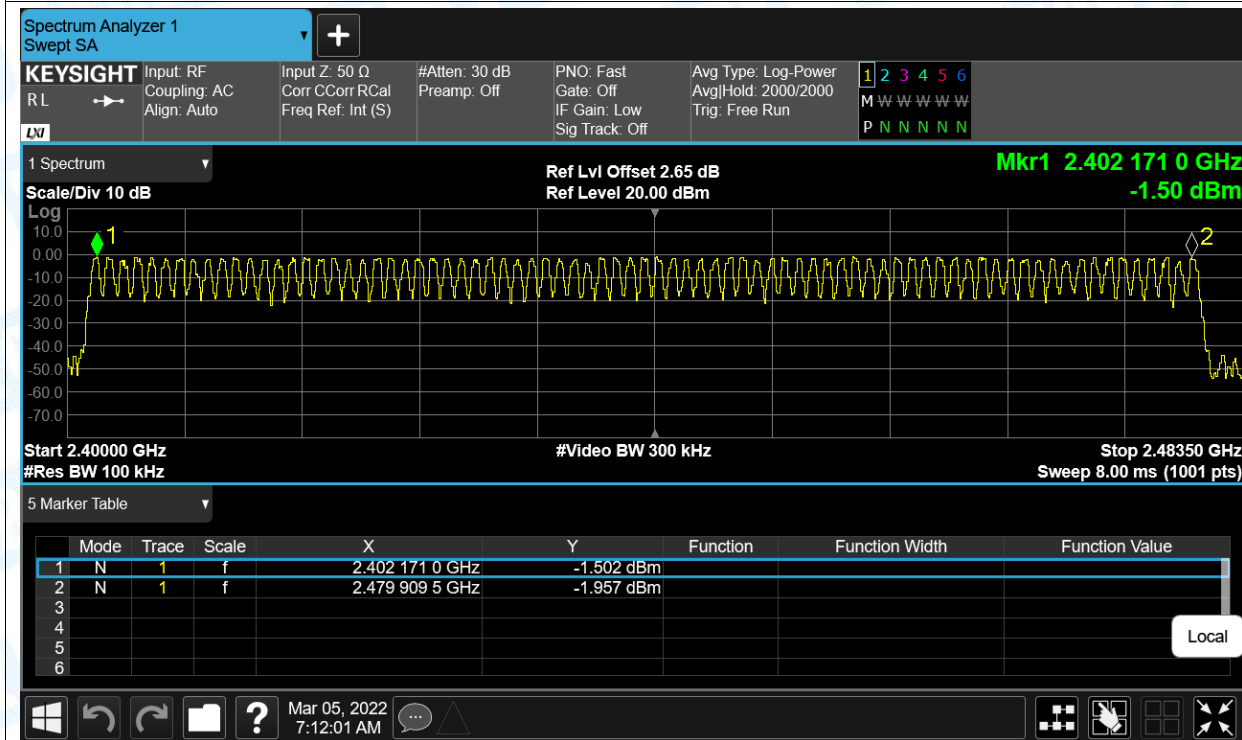


Number of Hopping Channel

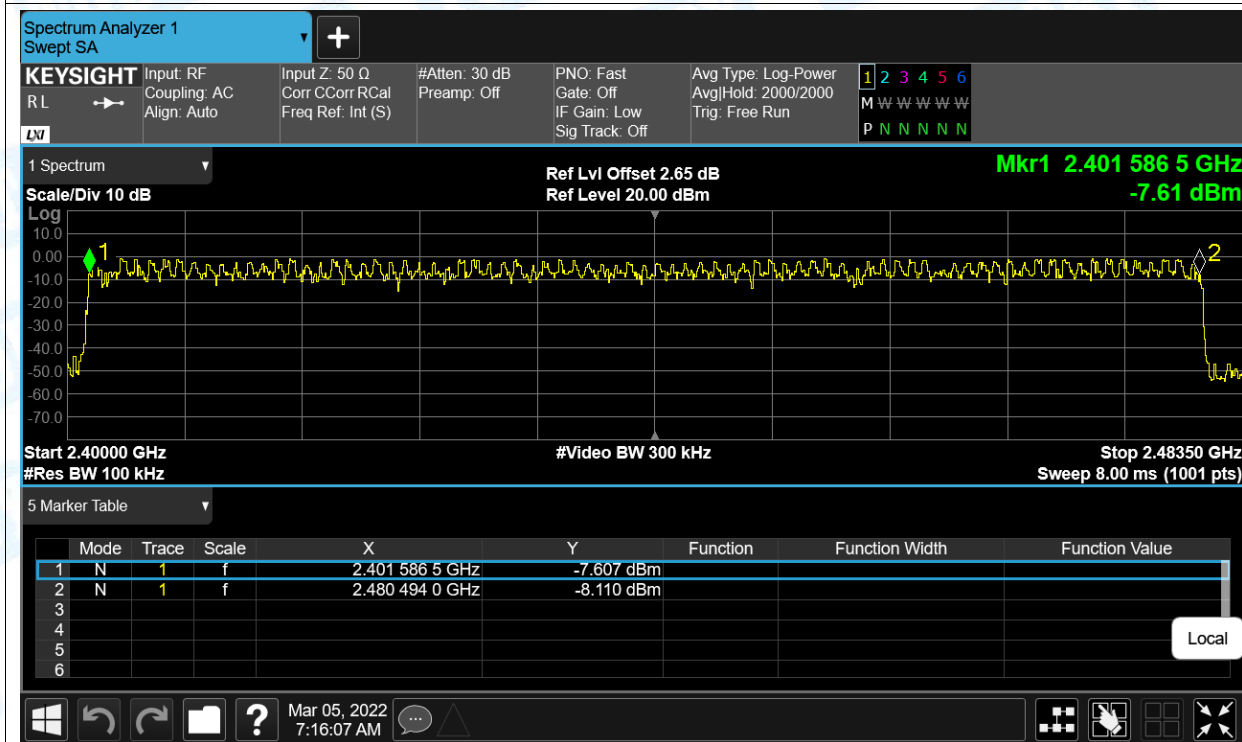
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH1	Ant1	79	15	Pass
NVNT	2-DH1	Ant1	79	15	Pass
NVNT	3-DH1	Ant1	79	15	Pass

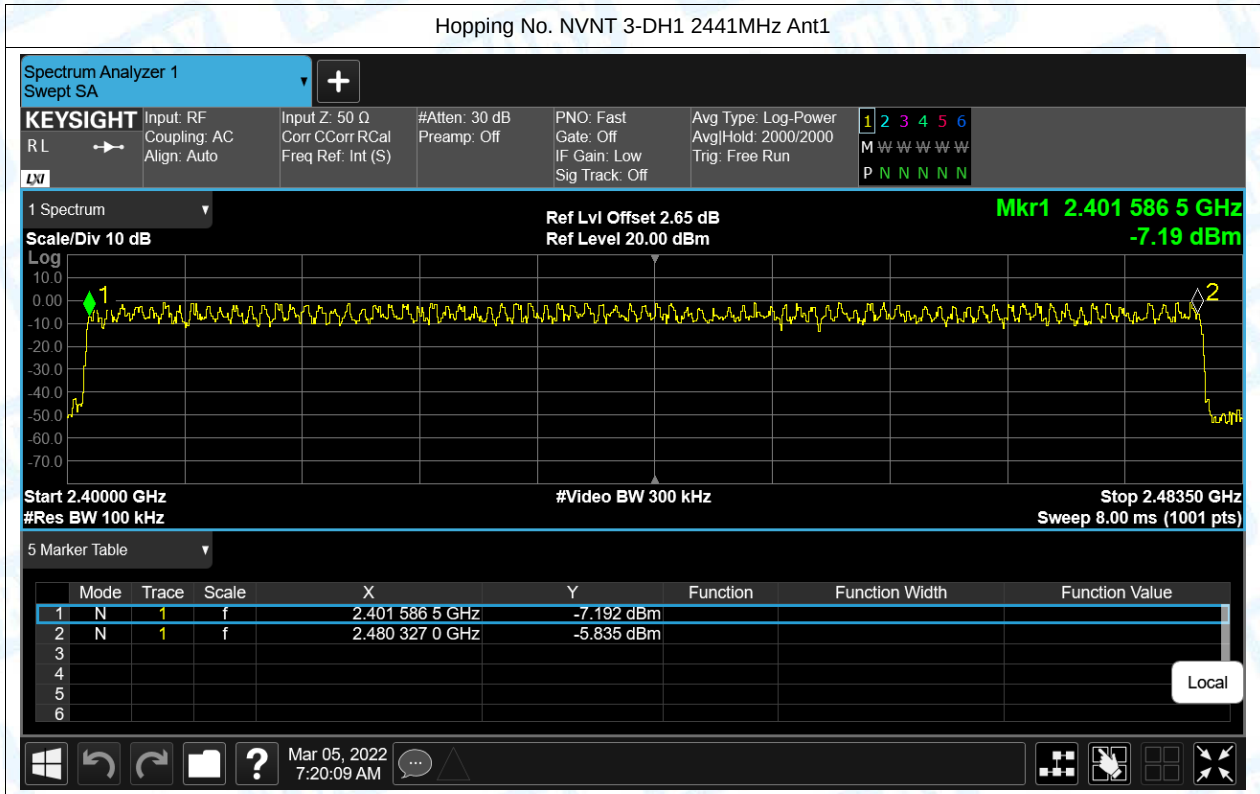
Test Graphs

Hopping No. NVNT 1-DH1 2441MHz Ant1



Hopping No. NVNT 2-DH1 2441MHz Ant1



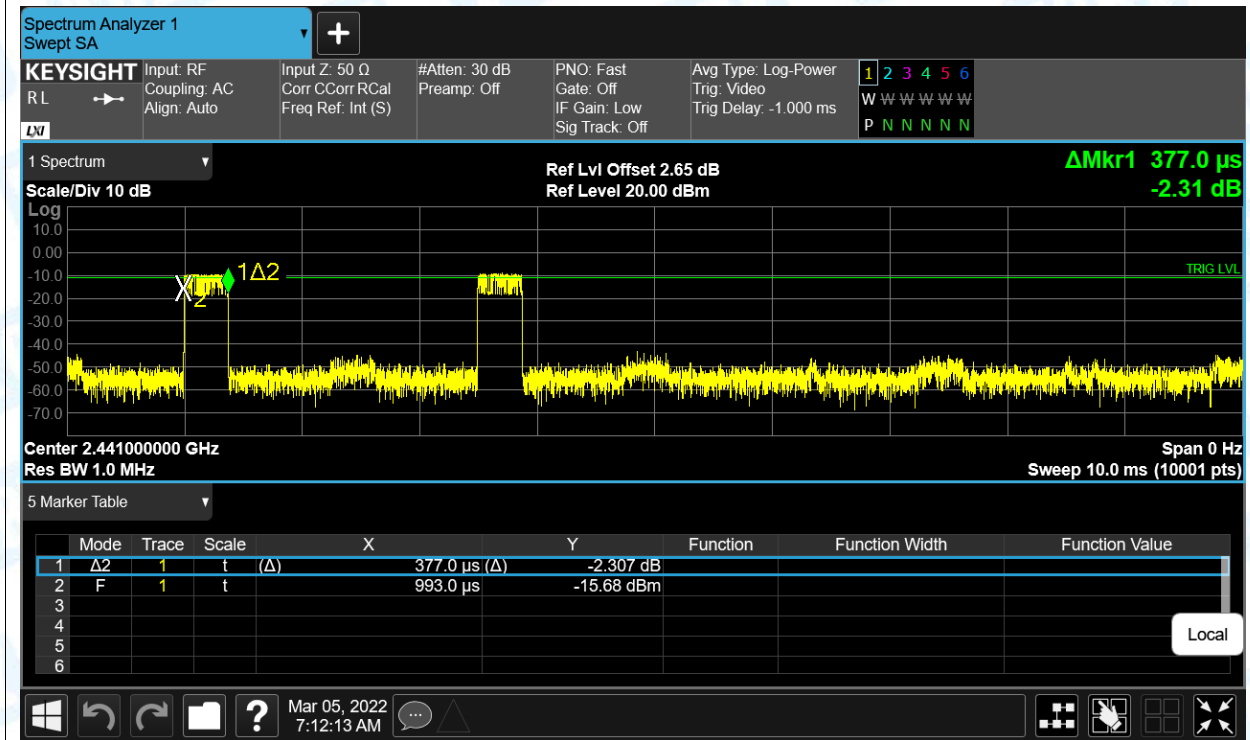


Dwell Time

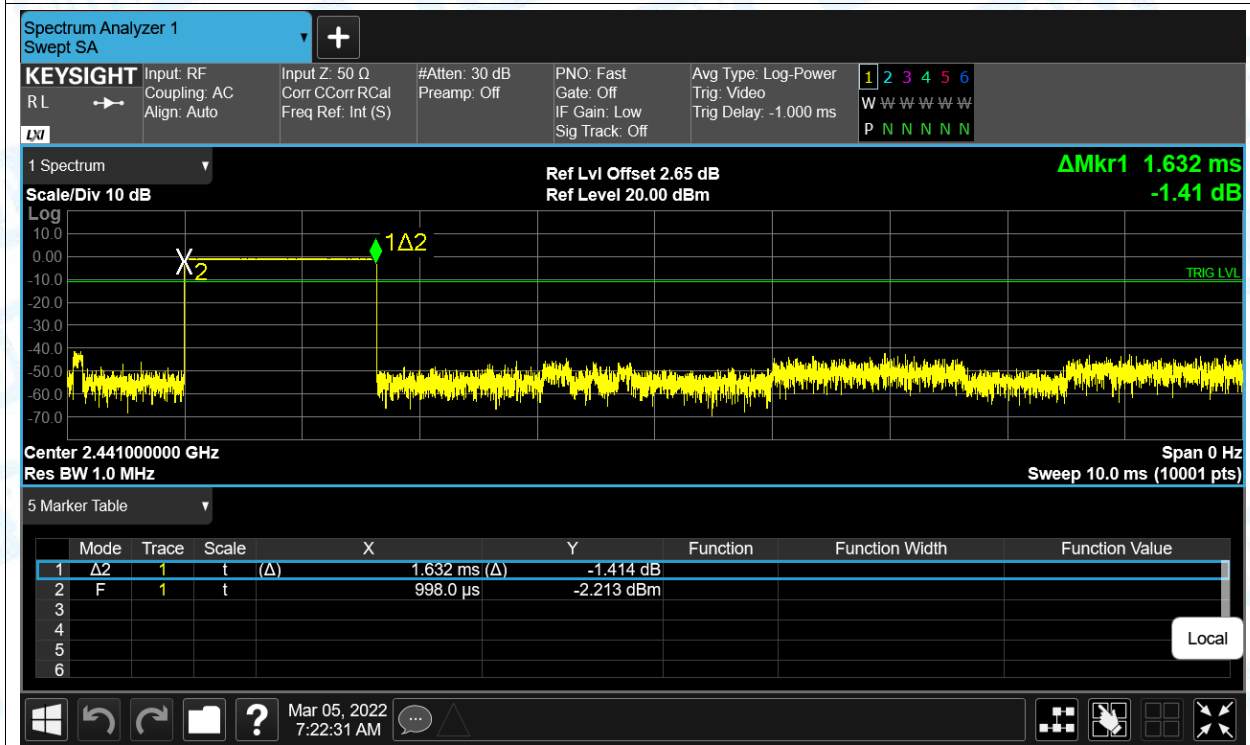
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.377	120.64	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.632	261.12	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.88	307.2	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.386	123.52	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.638	262.08	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.887	307.947	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.387	123.84	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.637	261.92	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.888	308.053	31600	400	Pass

Test Graphs

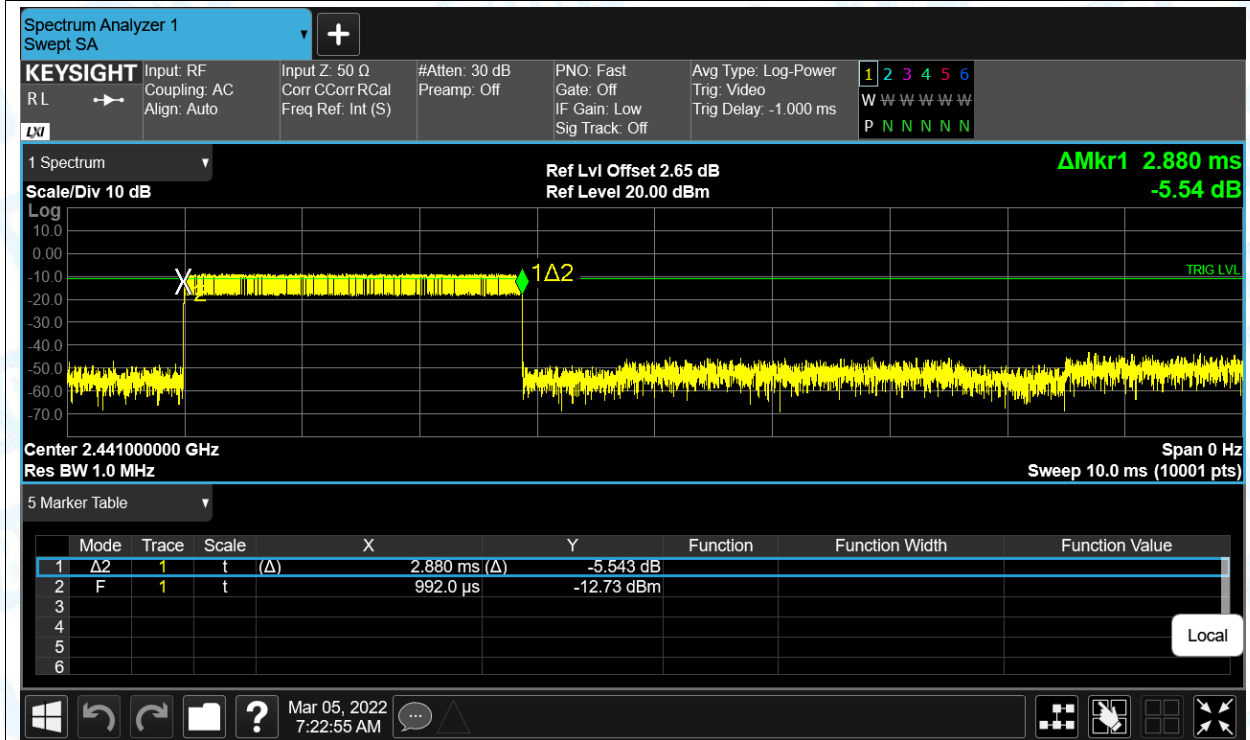
Dwell NVNT 1-DH1 2441MHz Ant1



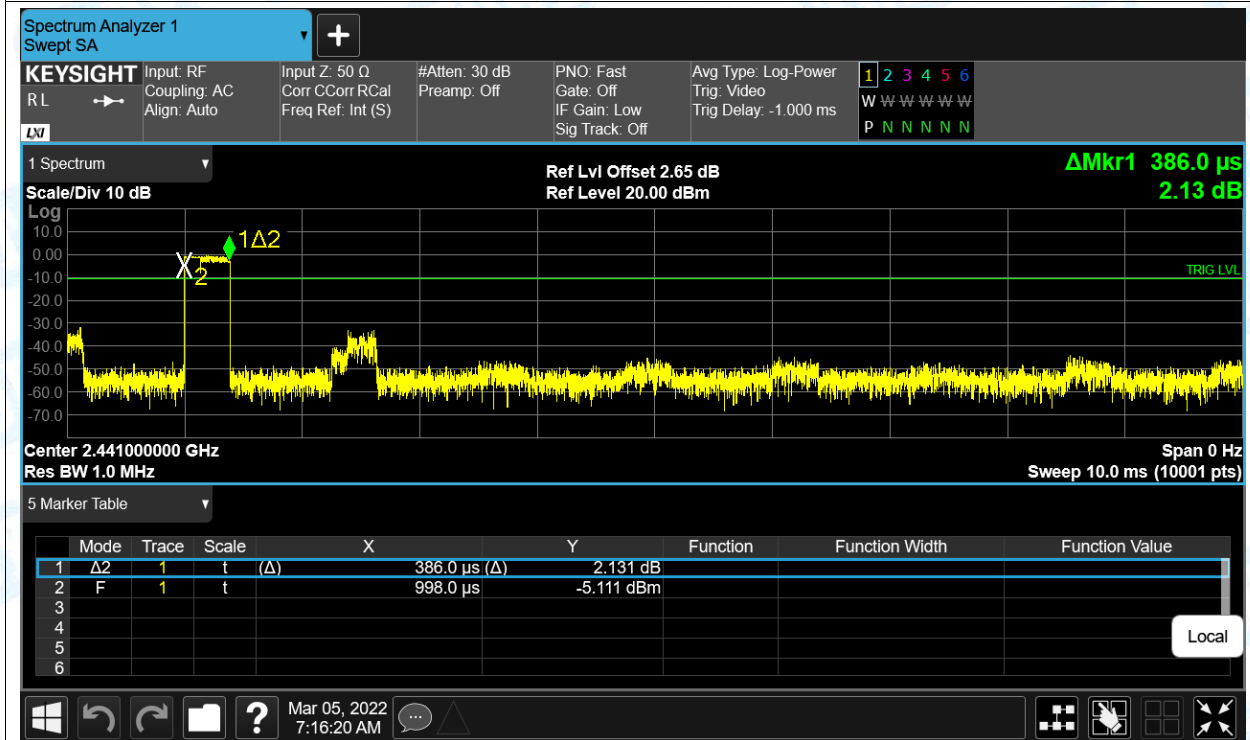
Dwell NVNT 1-DH3 2441MHz Ant1



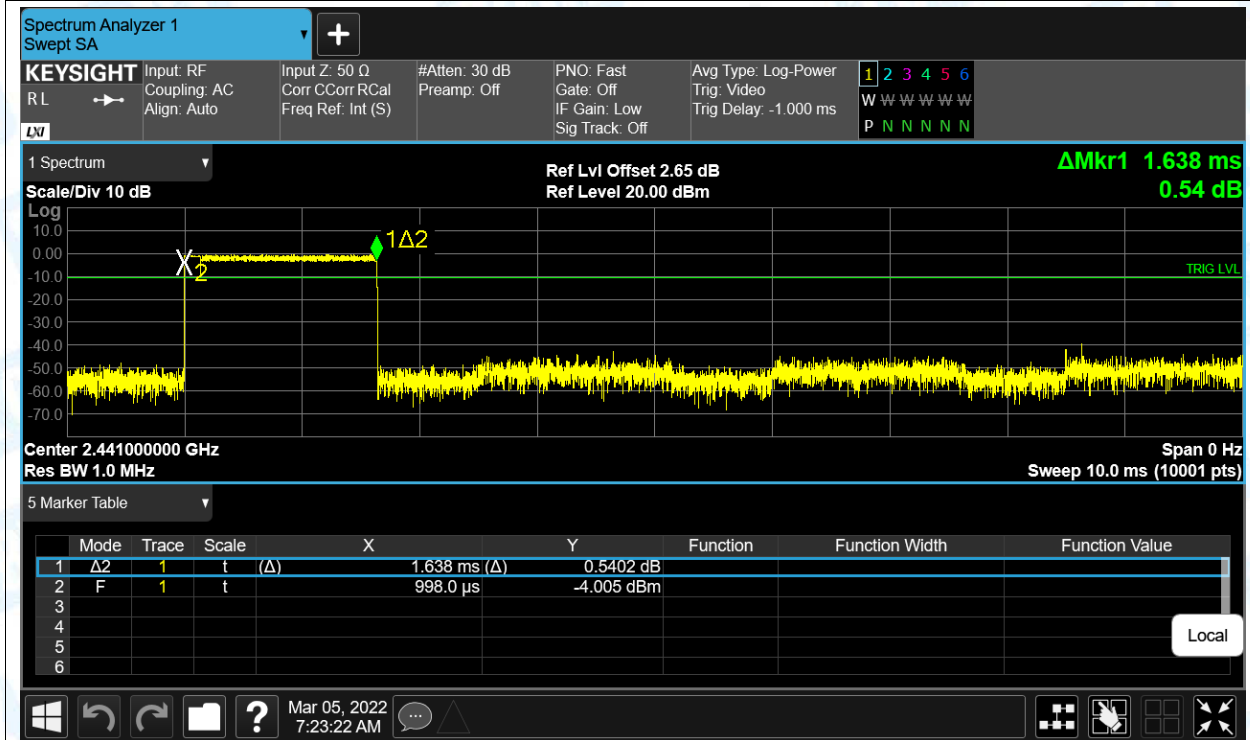
Dwell NVNT 1-DH5 2441MHz Ant1



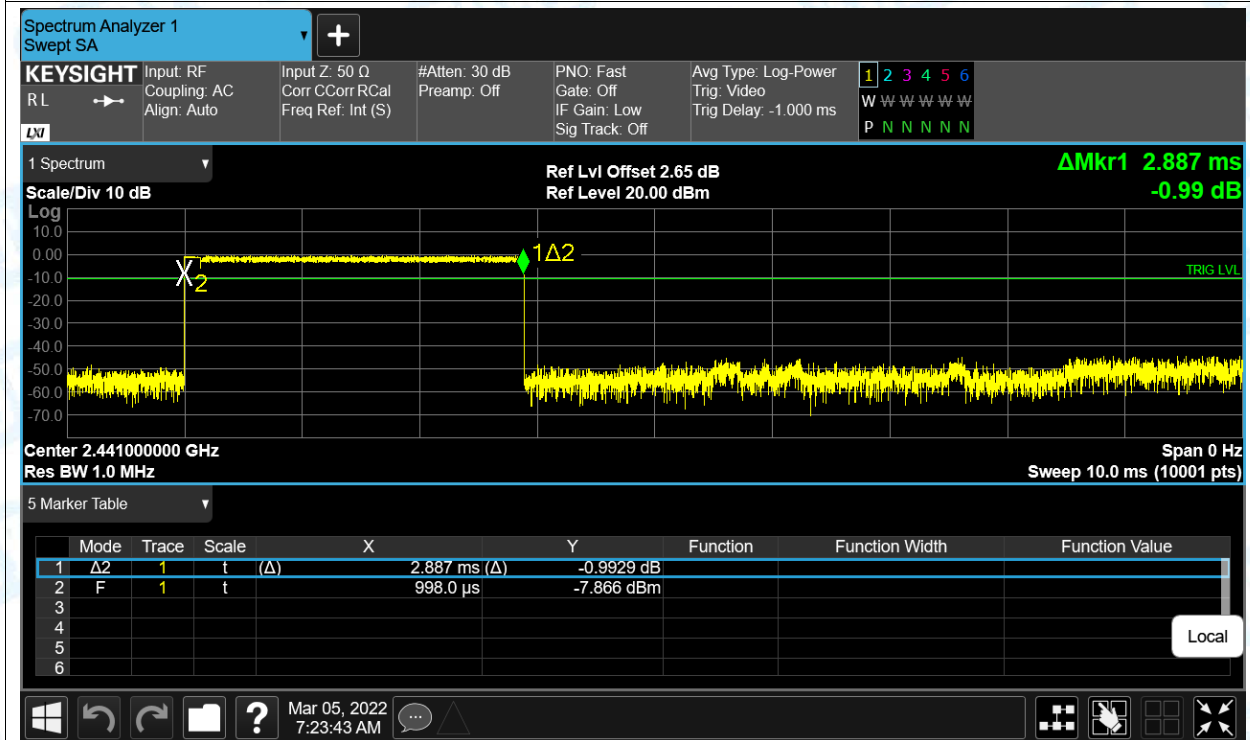
Dwell NVNT 2-DH1 2441MHz Ant1



Dwell NVNT 2-DH3 2441MHz Ant1



Dwell NVNT 2-DH5 2441MHz Ant1



Dwell NVNT 3-DH1 2441MHz Ant1



Dwell NVNT 3-DH3 2441MHz Ant1

