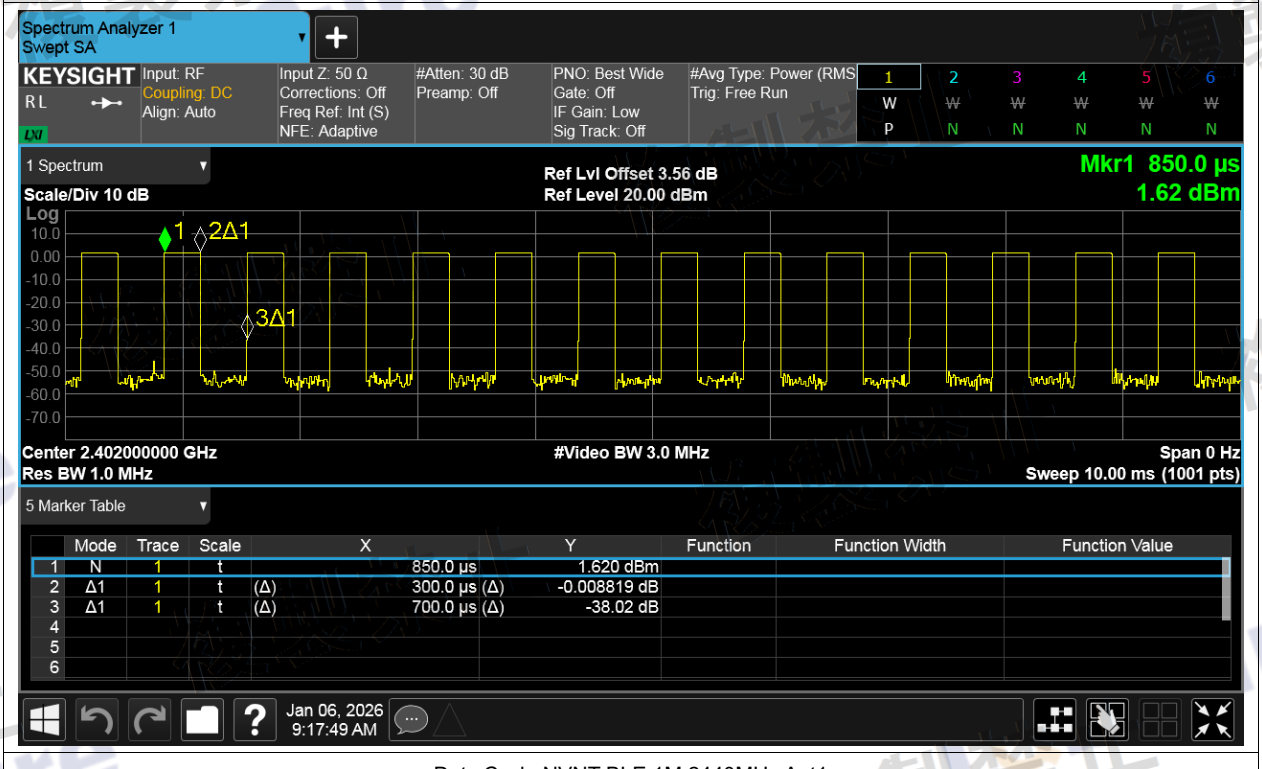
Duty Cycle

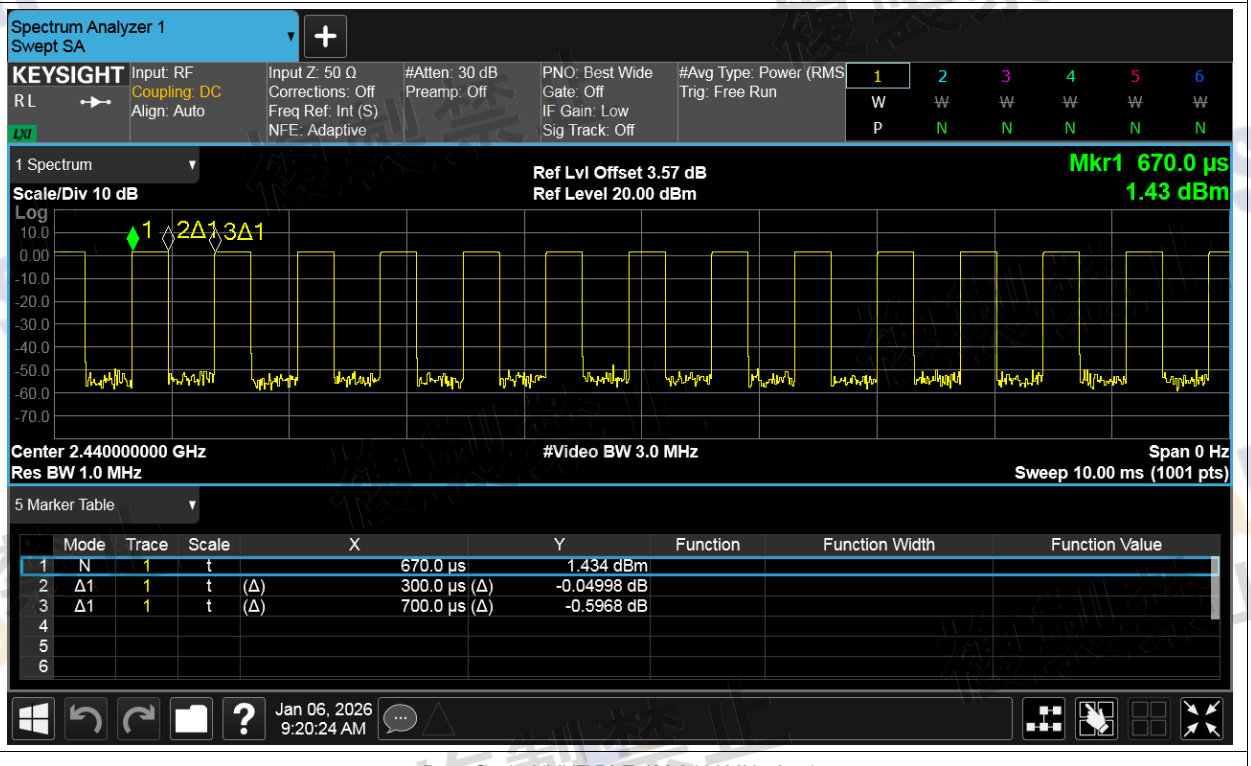
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	Burst Length (ms)
NVNT	BLE 1M	2402	Ant1	42.86	3.68	0.3
NVNT	BLE 1M	2440	Ant1	42.86	3.68	0.3
NVNT	BLE 1M	2480	Ant1	42.86	3.68	0.3
NVNT	BLE 2M	2402	Ant1	22.54	6.47	0.16
NVNT	BLE 2M	2440	Ant1	22.86	6.41	0.16
NVNT	BLE 2M	2480	Ant1	22.54	6.47	0.16

Test Graphs

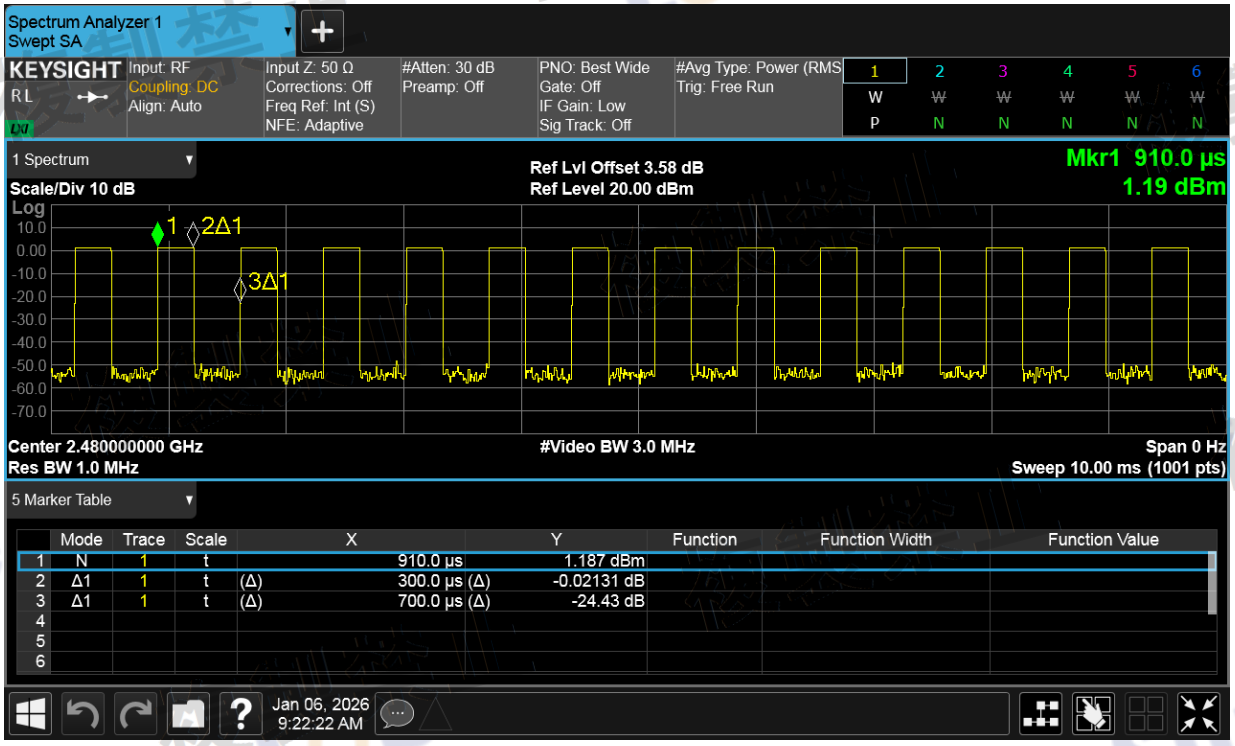
Duty Cycle NVNT BLE 1M 2402MHz Ant1



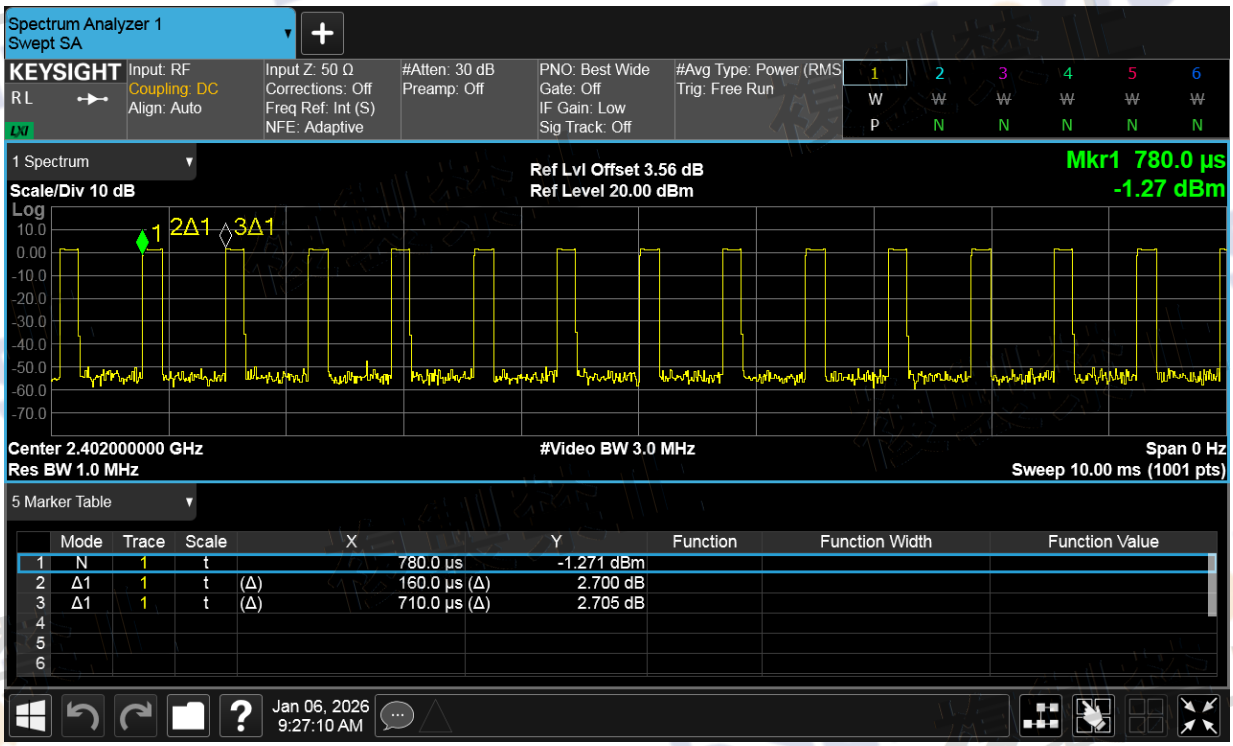
Duty Cycle NVNT BLE 1M 2440MHz Ant1



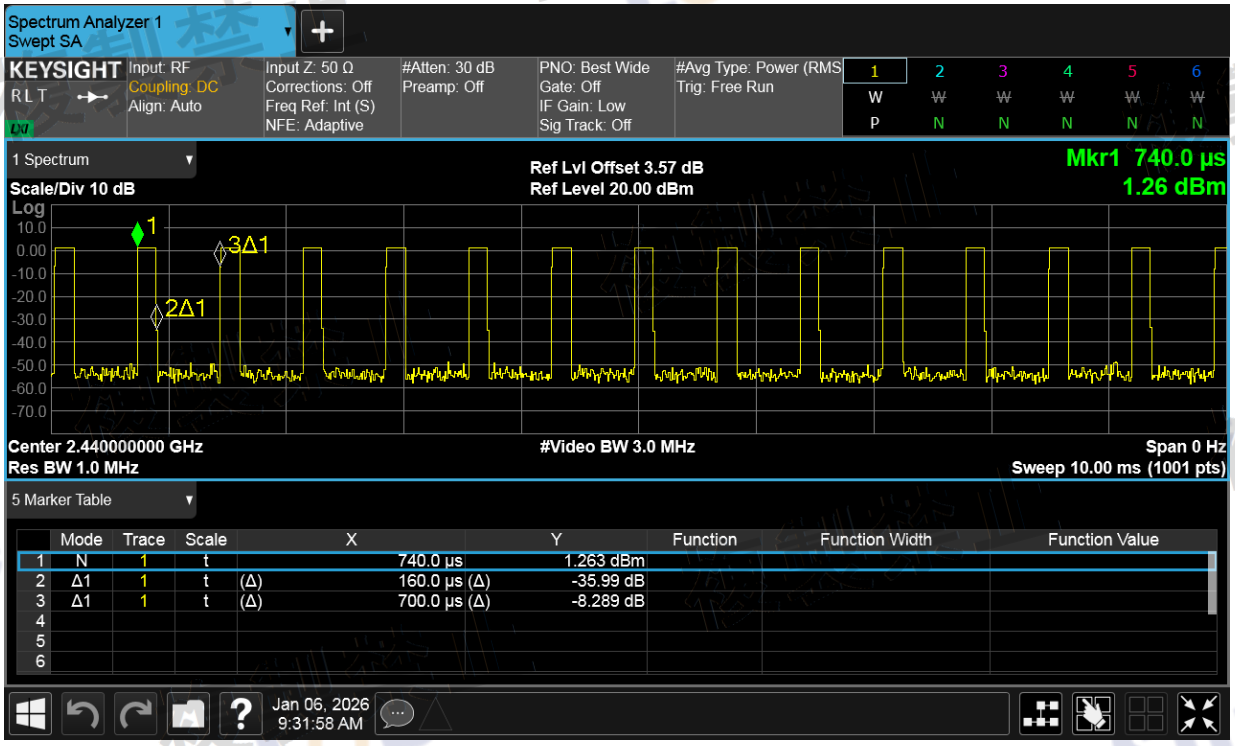
Duty Cycle NVNT BLE 1M 2480MHz Ant1



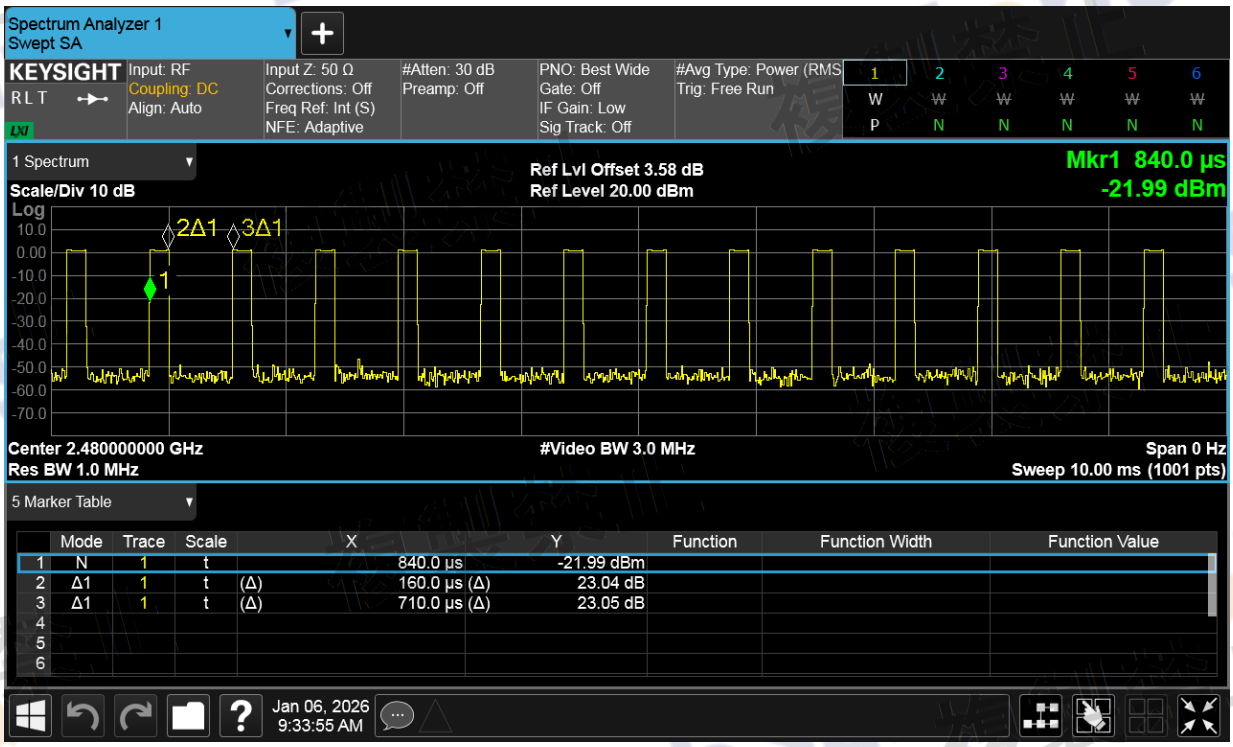
Duty Cycle NVNT BLE 2M 2402MHz Ant1



Duty Cycle NVNT BLE 2M 2440MHz Ant1



Duty Cycle NVNT BLE 2M 2480MHz Ant1



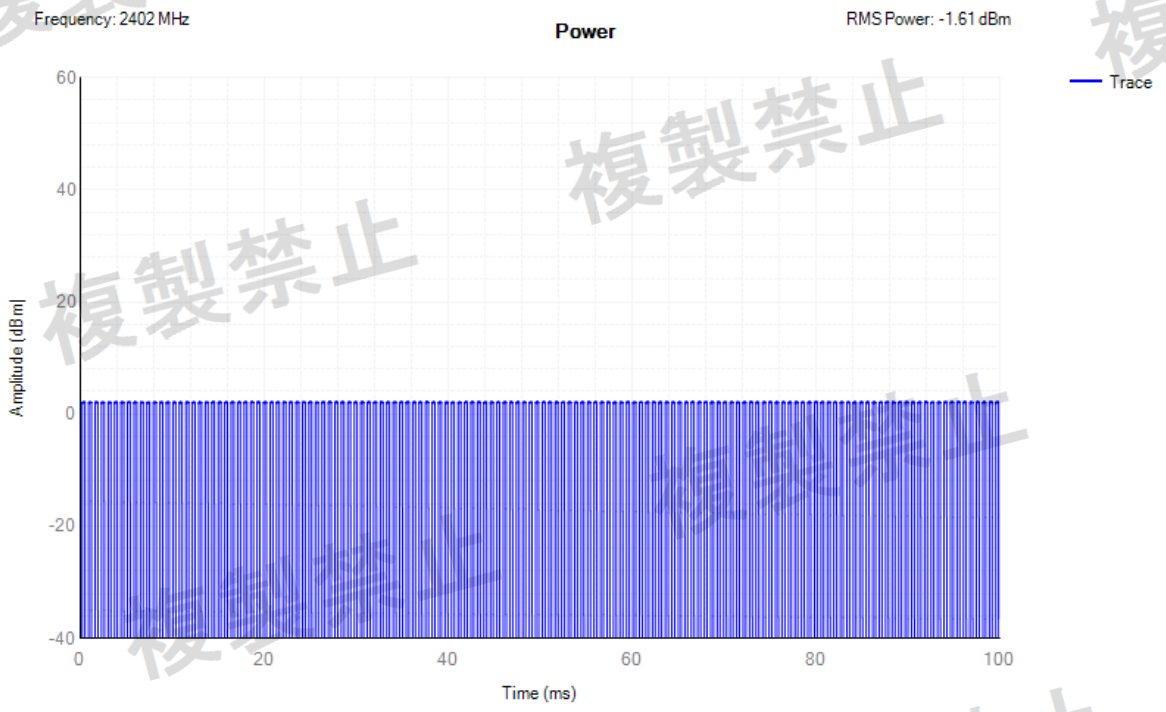
Antenna Power and Tolerances for Antenna Power

Condition	Mode	Frequency (MHz)	Antenna	Power (dBm)	Duty Cycle (%)	Power (dBm)	Antenna Power (mW)	Limit (mW)	Declared Power (mW)	Tolerance (%)	Upper Limit (%)	Verdict
NVNT	BLE 1M	2402	Ant1	-1.61	42.86	2.07	1.61	10	2	-19.48	20	Pass
NVNT	BLE 1M	2440	Ant1	-1.92	42.86	1.76	1.50	10	2	-25.02	20	Pass
NVNT	BLE 1M	2480	Ant1	-1.93	42.86	1.75	1.50	10	2	-25.20	20	Pass
NVNT	BLE 2M	2402	Ant1	-4.34	22.54	2.13	1.63	10	2	-18.34	20	Pass
NVNT	BLE 2M	2440	Ant1	-4.52	22.86	1.89	1.54	10	2	-22.75	20	Pass
NVNT	BLE 2M	2480	Ant1	-4.58	22.54	1.89	1.55	10	2	-22.73	20	Pass

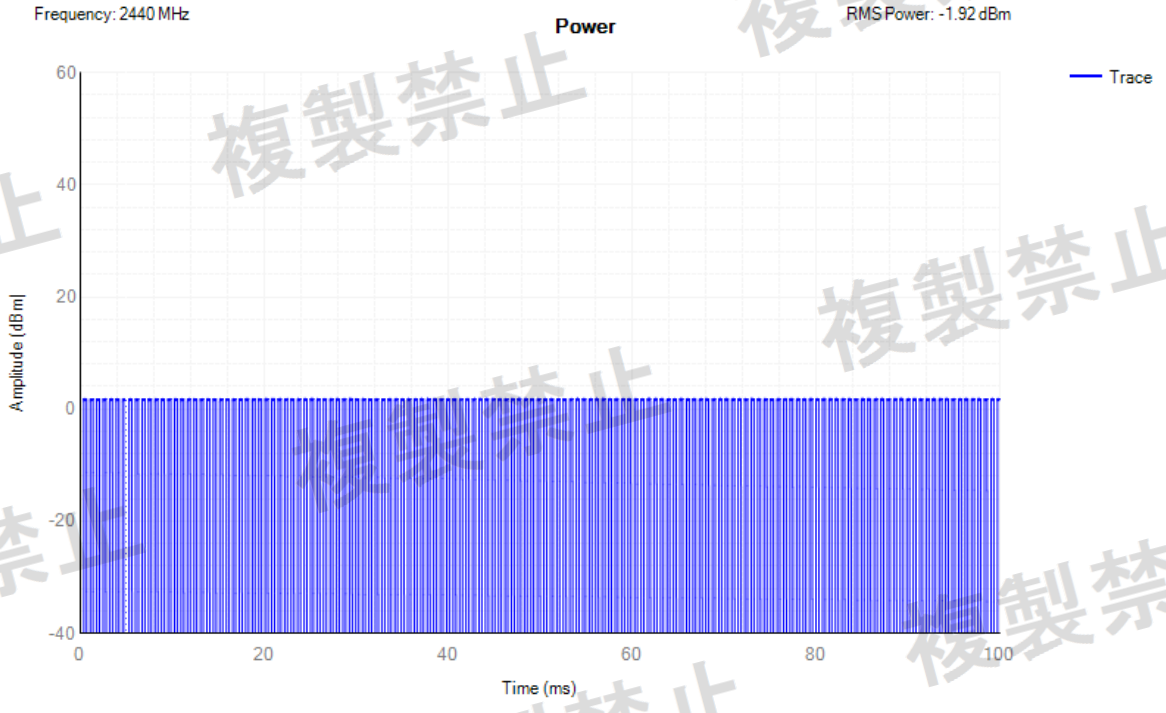
Note 1: Antenna Power (mW)= Measured Power (mW) / Burst Ratio

Note 2: Burst Ratio = ON Time / (ON Time + OFF Time)

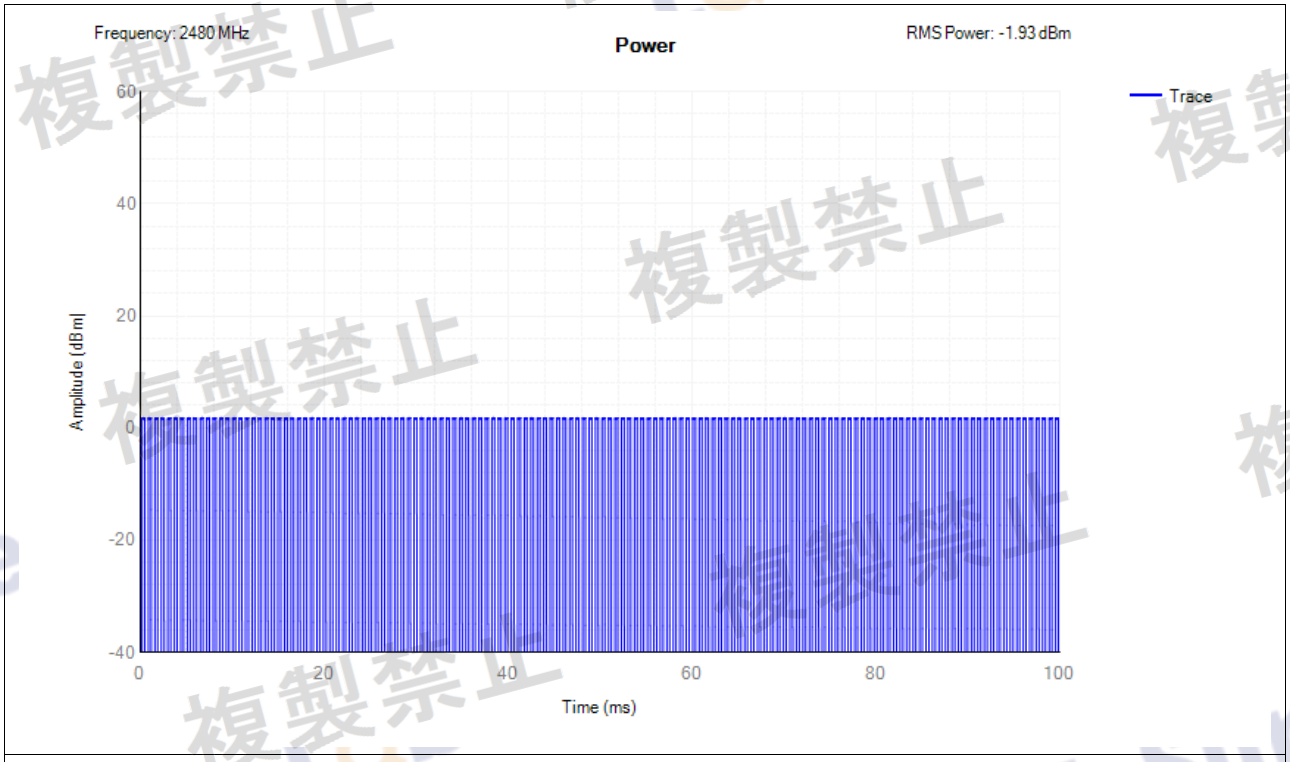
Test Graphs
Power NVNT BLE 1M 2402MHz Ant1 Zero Span



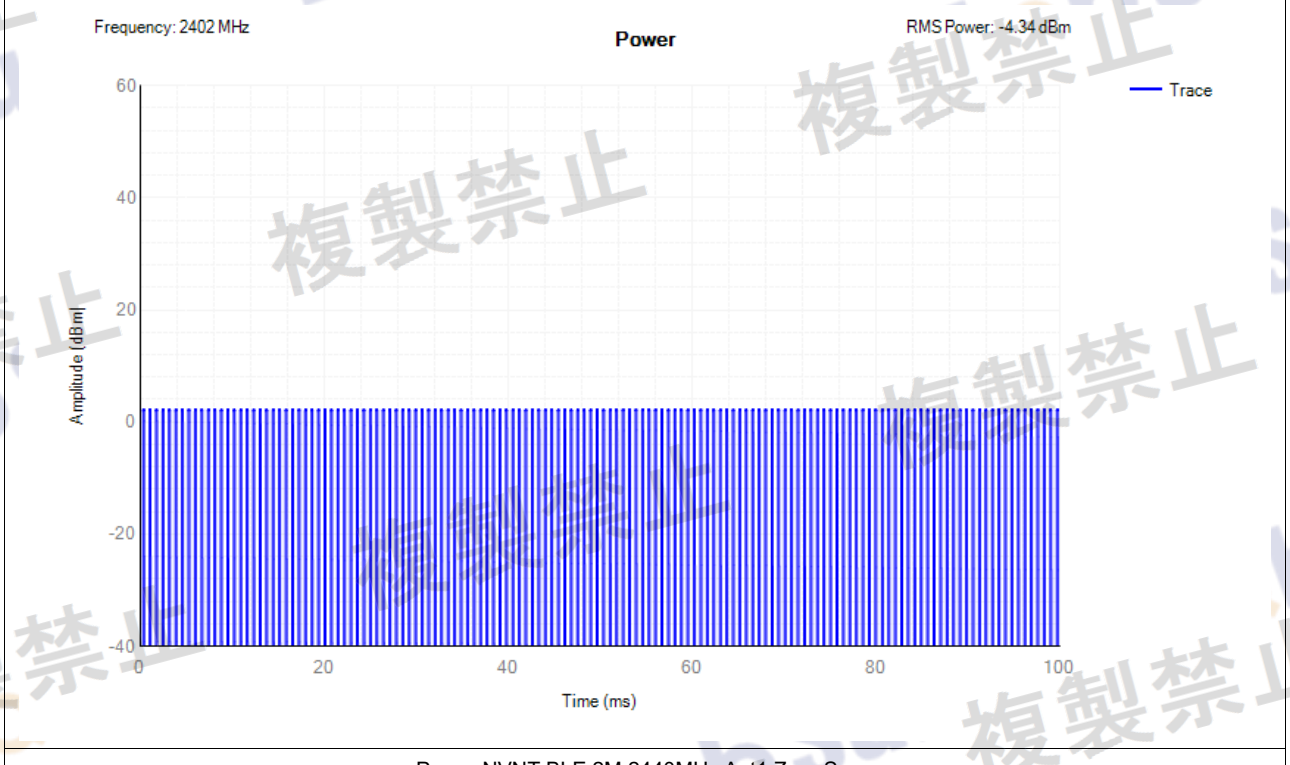
Power NVNT BLE 1M 2440MHz Ant1 Zero Span



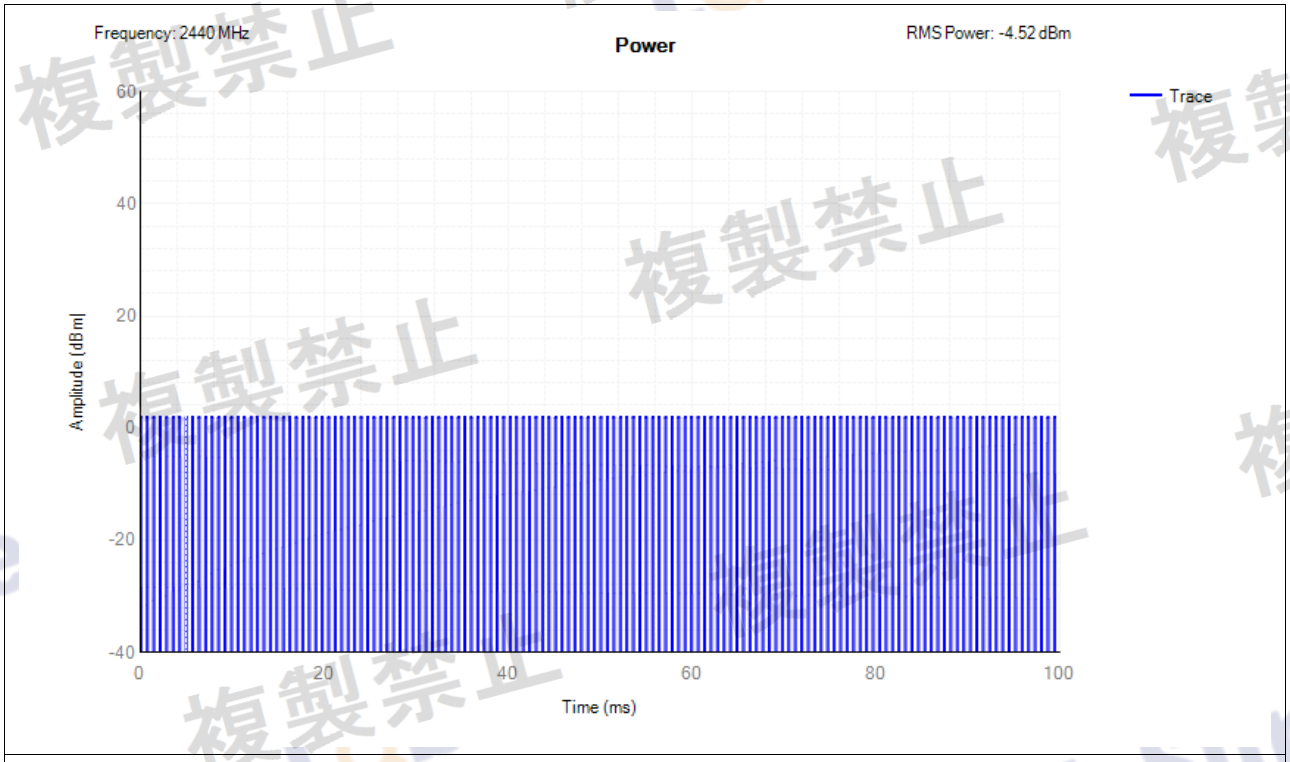
Power NVNT BLE 1M 2480MHz Ant1 Zero Span



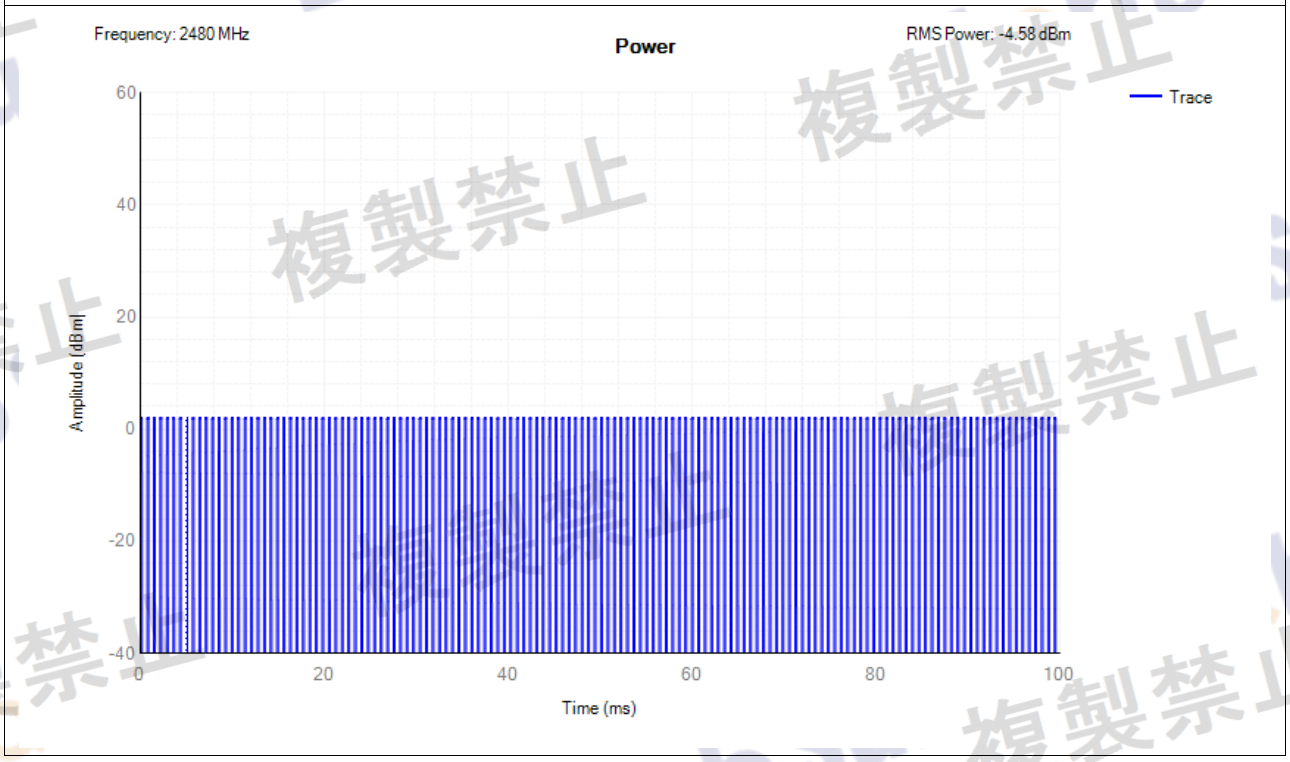
Power NVNT BLE 2M 2402MHz Ant1 Zero Span



Power NVNT BLE 2M 2440MHz Ant1 Zero Span



Power NVNT BLE 2M 2480MHz Ant1 Zero Span



EIRP Power

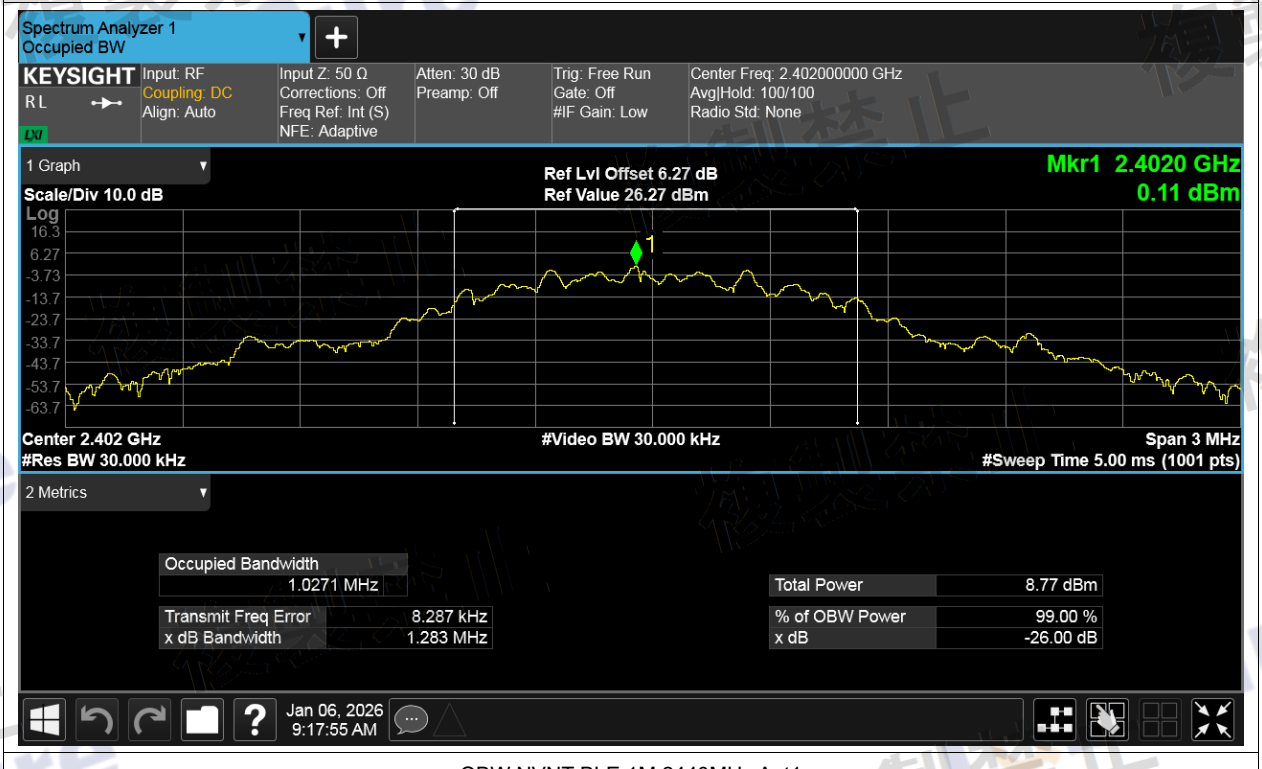
Condition	Mode	Frequency (MHz)	Antenna	Antenna Power (dBm)	Gain (dBi)	EIRP Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	2.07	2.71	4.78	12.14	Pass
NVNT	BLE 1M	2440	Ant1	1.76	2.71	4.47	12.14	Pass
NVNT	BLE 1M	2480	Ant1	1.75	2.71	4.46	12.14	Pass
NVNT	BLE 2M	2402	Ant1	2.13	2.71	4.84	12.14	Pass
NVNT	BLE 2M	2440	Ant1	1.89	2.71	4.6	12.14	Pass
NVNT	BLE 2M	2480	Ant1	1.89	2.71	4.6	12.14	Pass

Occupied Channel Bandwidth

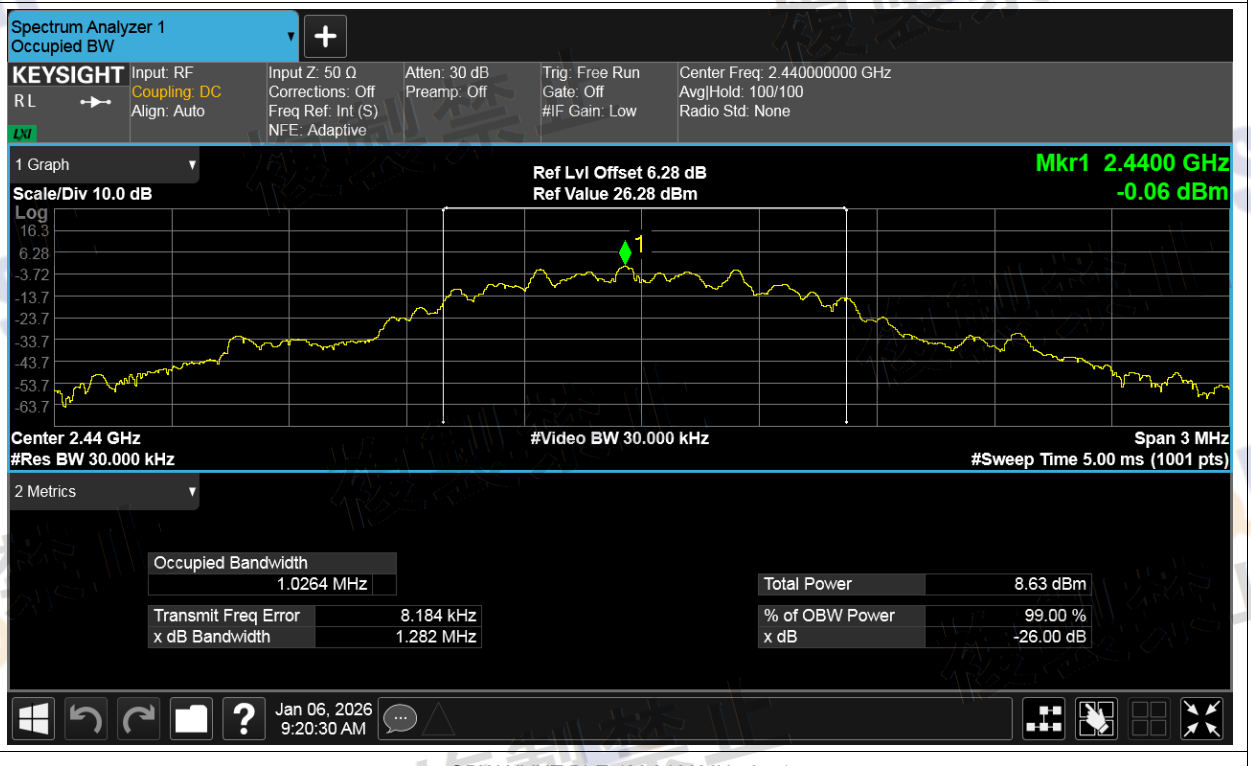
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	Limit (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	1.027	26	Pass
NVNT	BLE 1M	2440	Ant1	1.026	26	Pass
NVNT	BLE 1M	2480	Ant1	1.029	26	Pass
NVNT	BLE 2M	2402	Ant1	2.042	26	Pass
NVNT	BLE 2M	2440	Ant1	2.037	26	Pass
NVNT	BLE 2M	2480	Ant1	2.044	26	Pass

Test Graphs

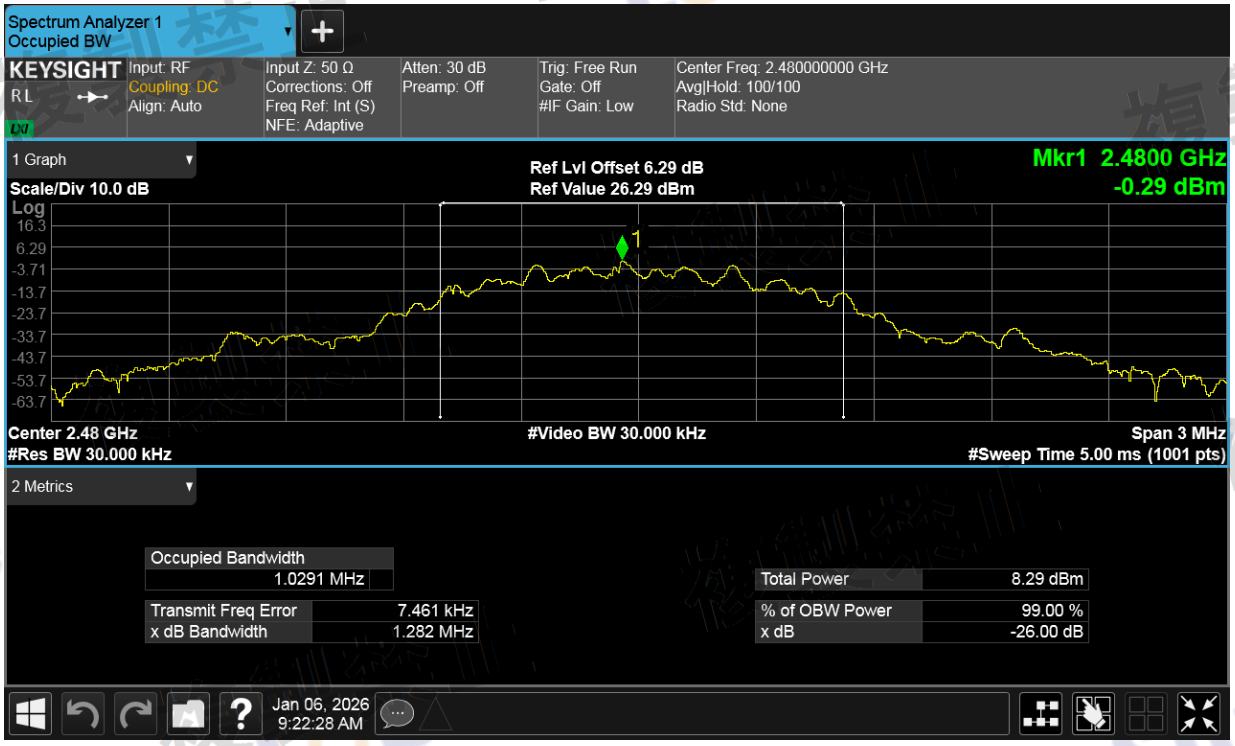
OBW NVNT BLE 1M 2402MHz Ant1



OBW NVNT BLE 1M 2440MHz Ant1



OBW NVNT BLE 1M 2480MHz Ant1



OBW NVNT BLE 2M 2402MHz Ant1



OBW NVNT BLE 2M 2440MHz Ant1



OBW NVNT BLE 2M 2480MHz Ant1

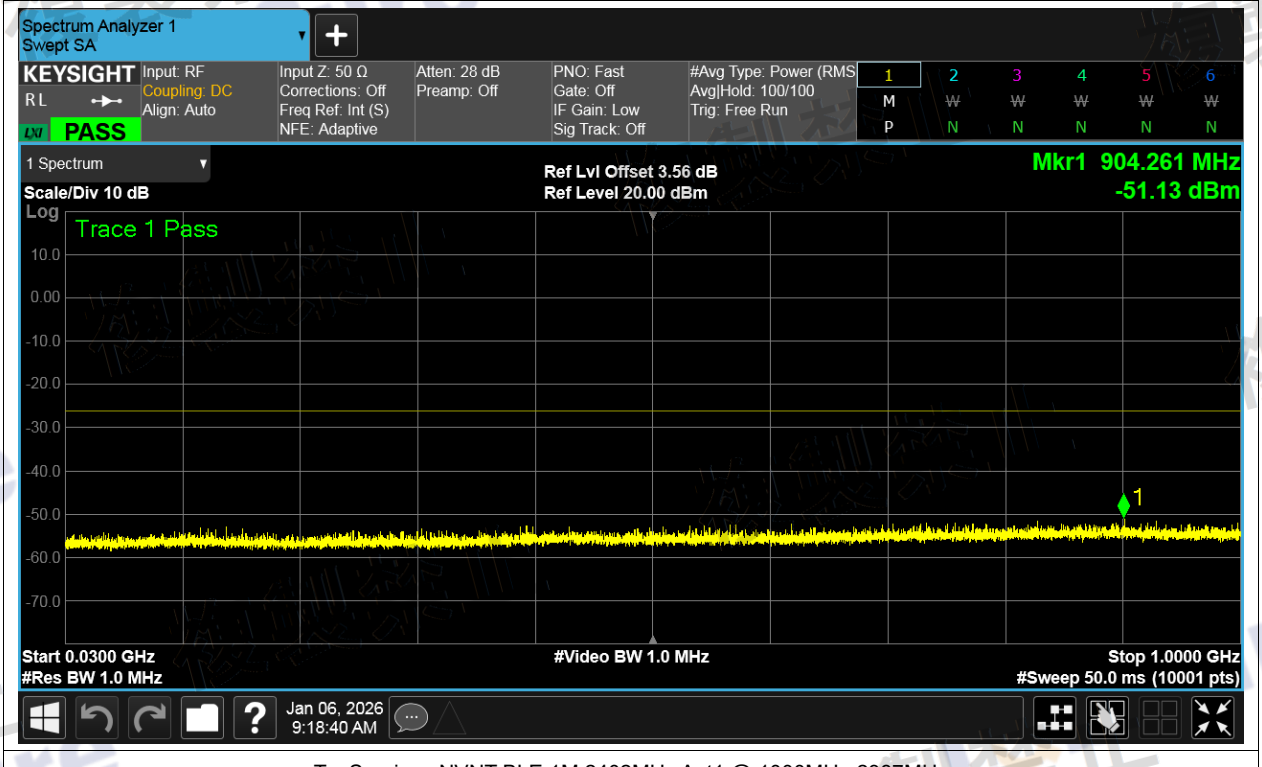


Transmitter Spurious Emissions

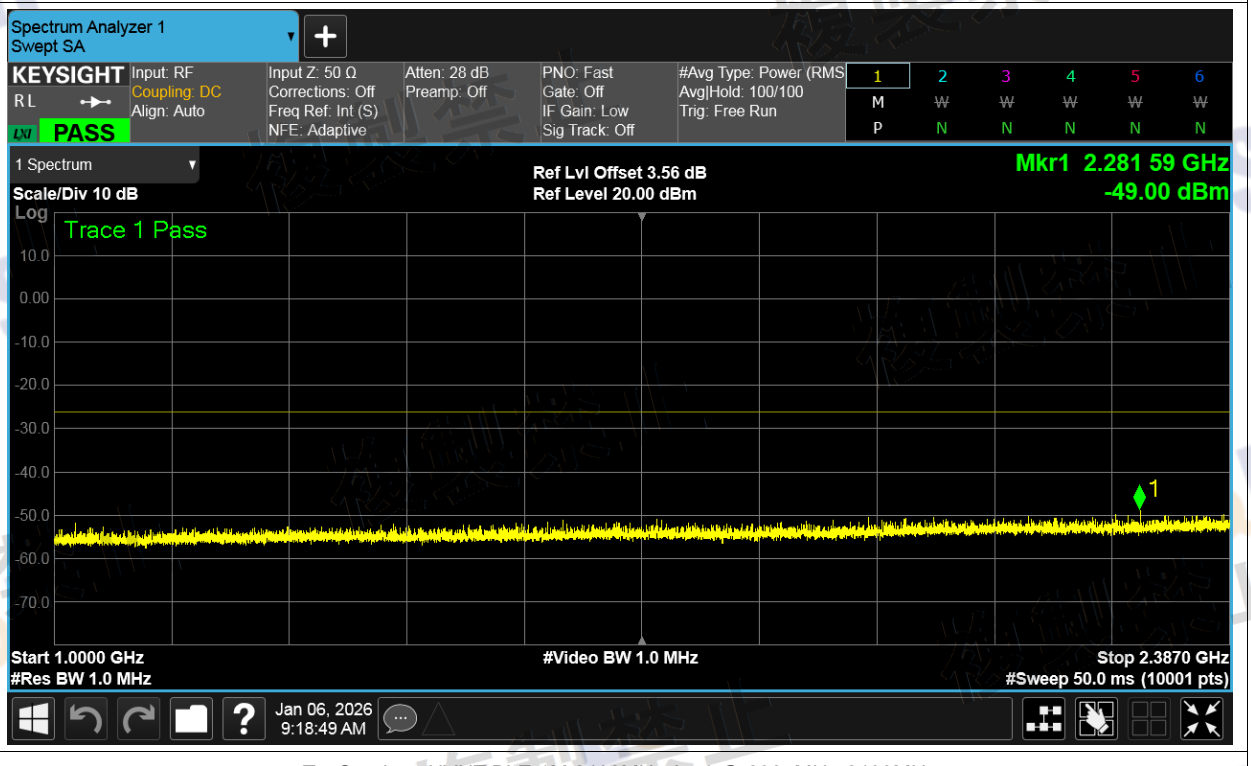
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Peak Value (dBm)	Max RMS Value (dBm)	Max Peak Value (uW)	Max RMS Value (uW)	Limit Start(uW)	Limit Stop (uW)	Verdict
NVNT	BLE 1M	2402	Ant1	30-1000	904.26	-51.13	NA	0.0077	NA	2.5	2.5	Pass
NVNT	BLE 1M	2402	Ant1	1000-2387	2281.59	-49.00	NA	0.0126	NA	2.5	2.5	Pass
NVNT	BLE 1M	2402	Ant1	2387-2400	2400.00	-29.25	NA	1.1885	NA	25	25	Pass
NVNT	BLE 1M	2402	Ant1	2483.5-2496.5	2487.34	-49.18	NA	0.0121	NA	25	25	Pass
NVNT	BLE 1M	2402	Ant1	2496.5-13000	3736.96	-45.01	NA	0.0316	NA	2.5	2.5	Pass
NVNT	BLE 1M	2440	Ant1	30-1000	962.46	-50.89	NA	0.0081	NA	2.5	2.5	Pass
NVNT	BLE 1M	2440	Ant1	1000-2387	2251.35	-48.68	NA	0.0136	NA	2.5	2.5	Pass
NVNT	BLE 1M	2440	Ant1	2387-2400	2388.80	-49.74	NA	0.0106	NA	25	25	Pass
NVNT	BLE 1M	2440	Ant1	2483.5-2496.5	2493.64	-49.41	NA	0.0115	NA	25	25	Pass
NVNT	BLE 1M	2440	Ant1	2496.5-13000	3828.34	-44.73	NA	0.0337	NA	2.5	2.5	Pass
NVNT	BLE 1M	2480	Ant1	30-1000	964.98	-51.01	NA	0.0079	NA	2.5	2.5	Pass
NVNT	BLE 1M	2480	Ant1	1000-2387	2339.43	-49.02	NA	0.0125	NA	2.5	2.5	Pass
NVNT	BLE 1M	2480	Ant1	2387-2400	2396.34	-48.92	NA	0.0128	NA	25	25	Pass
NVNT	BLE 1M	2480	Ant1	2483.5-2496.5	2483.53	-39.91	NA	0.1021	NA	25	25	Pass
NVNT	BLE 1M	2480	Ant1	2496.5-13000	3787.38	-44.84	NA	0.0328	NA	2.5	2.5	Pass
NVNT	BLE 2M	2402	Ant1	30-1000	774.09	-50.67	NA	0.0086	NA	2.5	2.5	Pass
NVNT	BLE 2M	2402	Ant1	1000-2387	2331.52	-48.94	NA	0.0128	NA	2.5	2.5	Pass
NVNT	BLE 2M	2402	Ant1	2387-2400	2400.00	-16.68	-23.937	21.4783	4.039	25	25	Pass
NVNT	BLE 2M	2402	Ant1	2483.5-2496.5	2491.20	-48.54	NA	0.014	NA	25	25	Pass
NVNT	BLE 2M	2402	Ant1	2496.5-13000	3505.89	-44.26	NA	0.0375	NA	2.5	2.5	Pass
NVNT	BLE 2M	2440	Ant1	30-1000	784.95	-50.95	NA	0.008	NA	2.5	2.5	Pass
NVNT	BLE 2M	2440	Ant1	1000-2387	2044.83	-49.43	NA	0.0114	NA	2.5	2.5	Pass
NVNT	BLE 2M	2440	Ant1	2387-2400	2393.04	-50.00	NA	0.01	NA	25	25	Pass
NVNT	BLE 2M	2440	Ant1	2483.5-2496.5	2486.03	-48.43	NA	0.0144	NA	25	25	Pass
NVNT	BLE 2M	2440	Ant1	2496.5-13000	5183.30	-45.14	NA	0.0306	NA	2.5	2.5	Pass
NVNT	BLE 2M	2480	Ant1	30-1000	987.78	-51.43	NA	0.0072	NA	2.5	2.5	Pass
NVNT	BLE 2M	2480	Ant1	1000-2387	2104.61	-49.73	NA	0.0106	NA	2.5	2.5	Pass
NVNT	BLE 2M	2480	Ant1	2387-2400	2399.85	-49.13	NA	0.0122	NA	25	25	Pass
NVNT	BLE 2M	2480	Ant1	2483.5-2496.5	2484.78	-38.81	NA	0.1315	NA	25	25	Pass
NVNT	BLE 2M	2480	Ant1	2496.5-13000	3507.99	-44.46	NA	0.0358	NA	2.5	2.5	Pass

Test Graphs

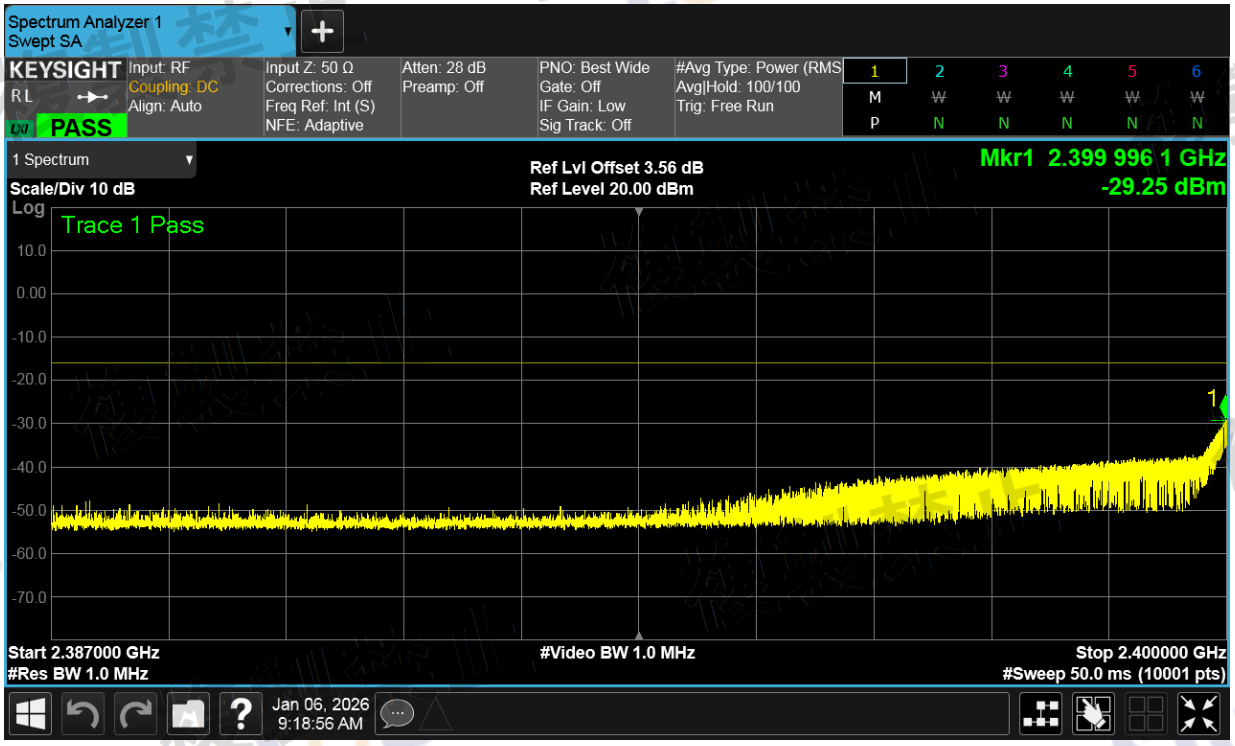
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 30MHz-1000MHz



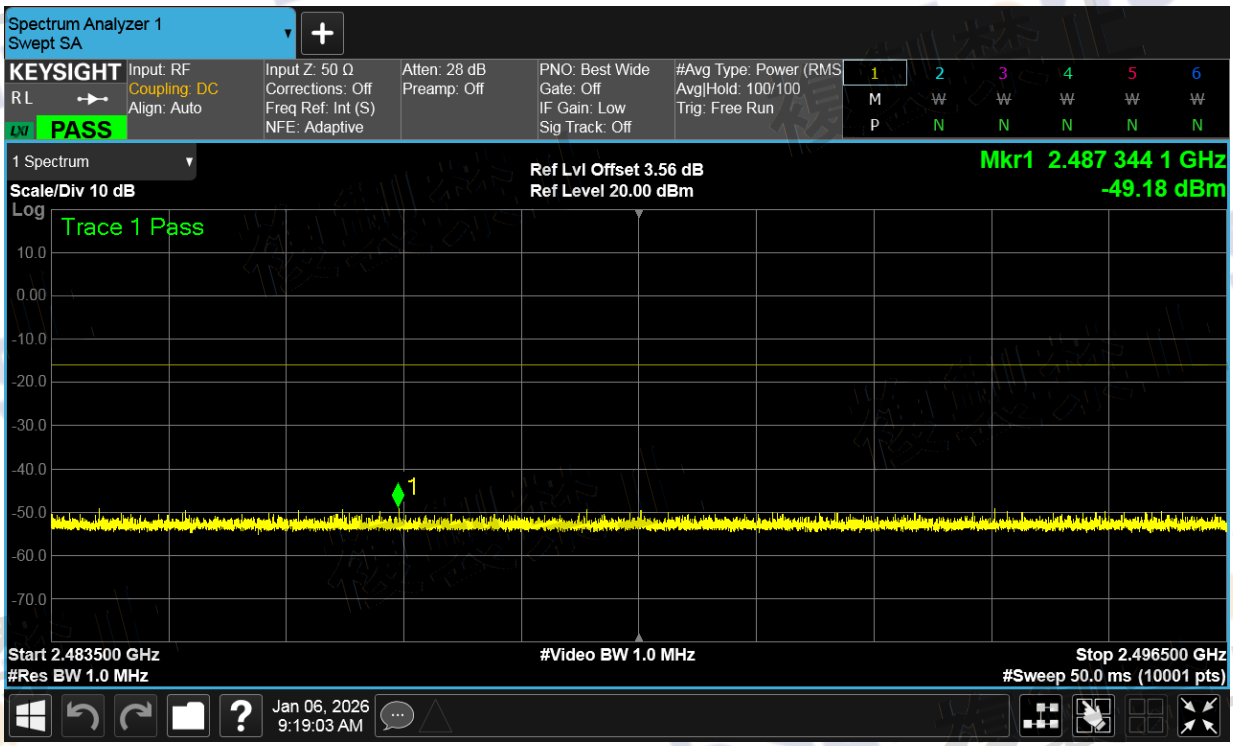
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 1000MHz-2387MHz



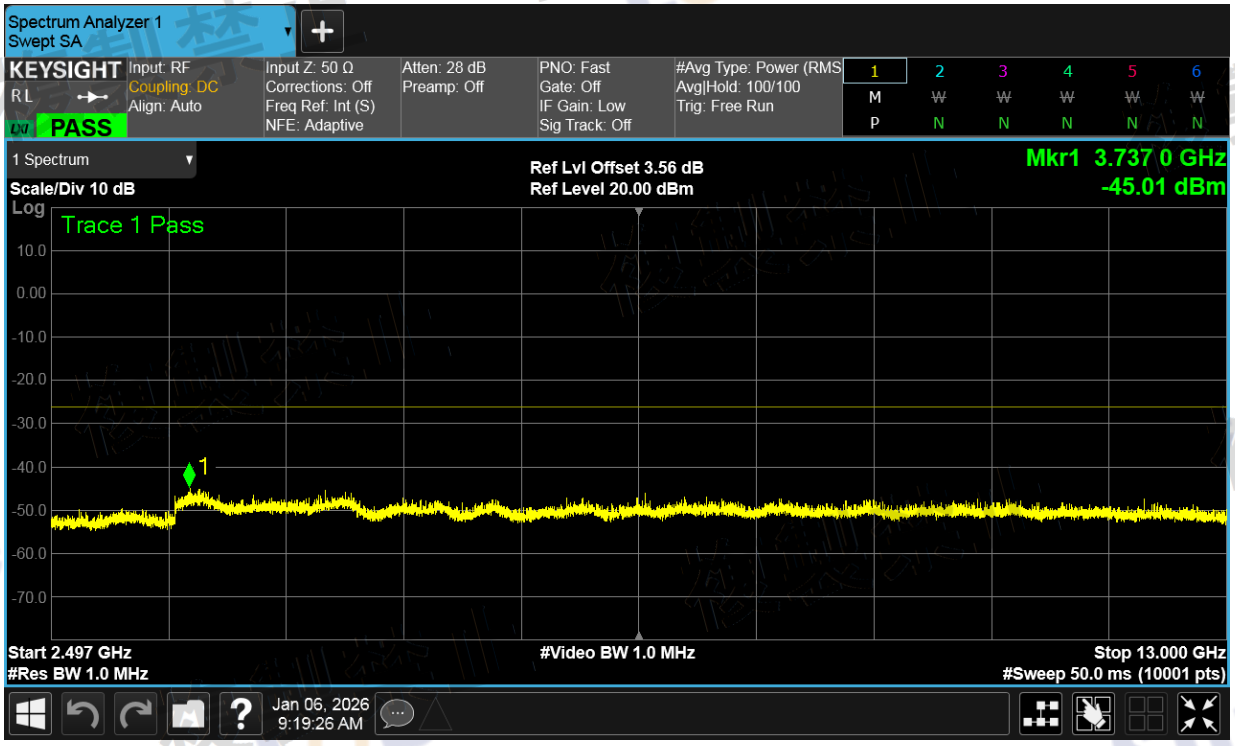
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2387MHz-2400MHz



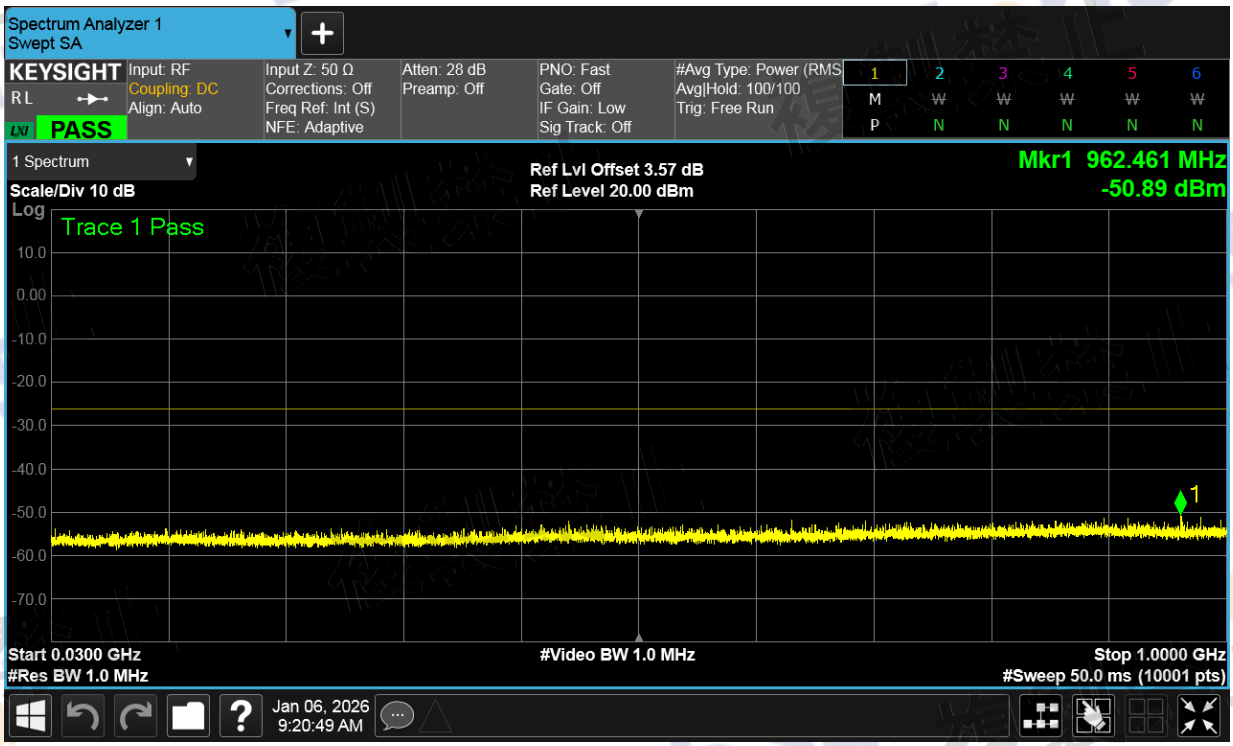
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



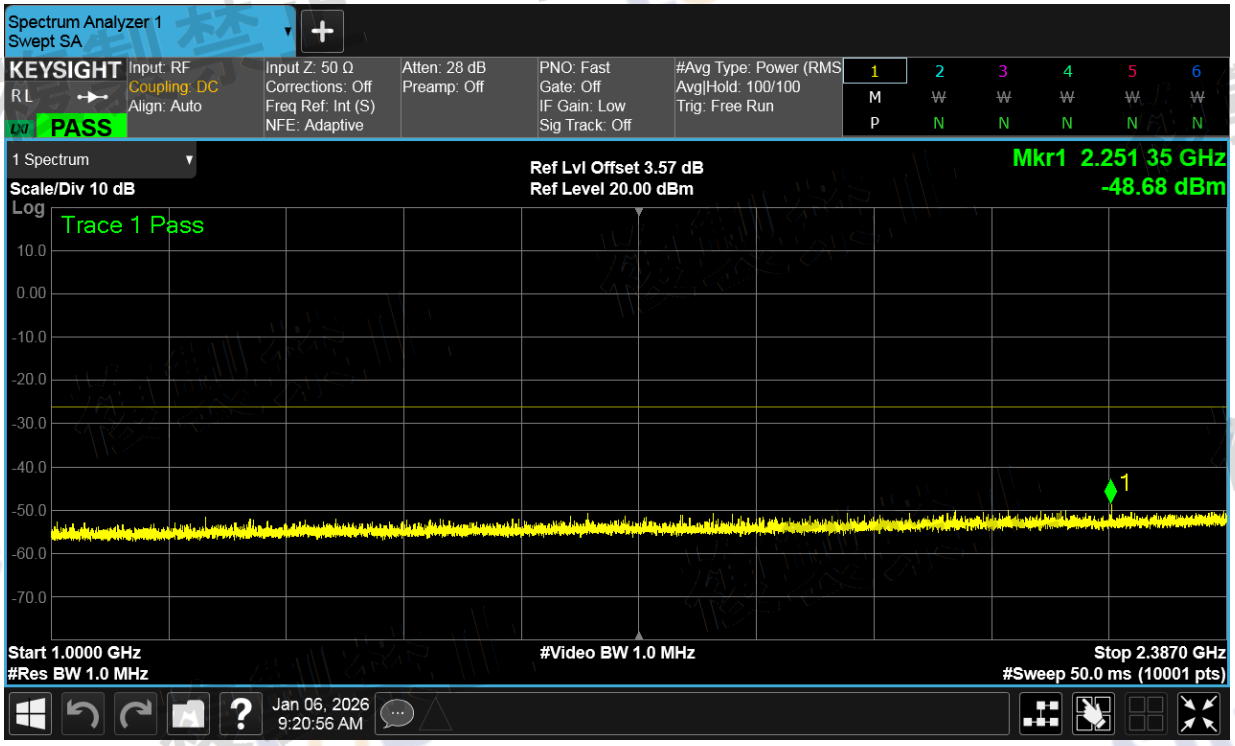
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2496.5MHz-13000MHz



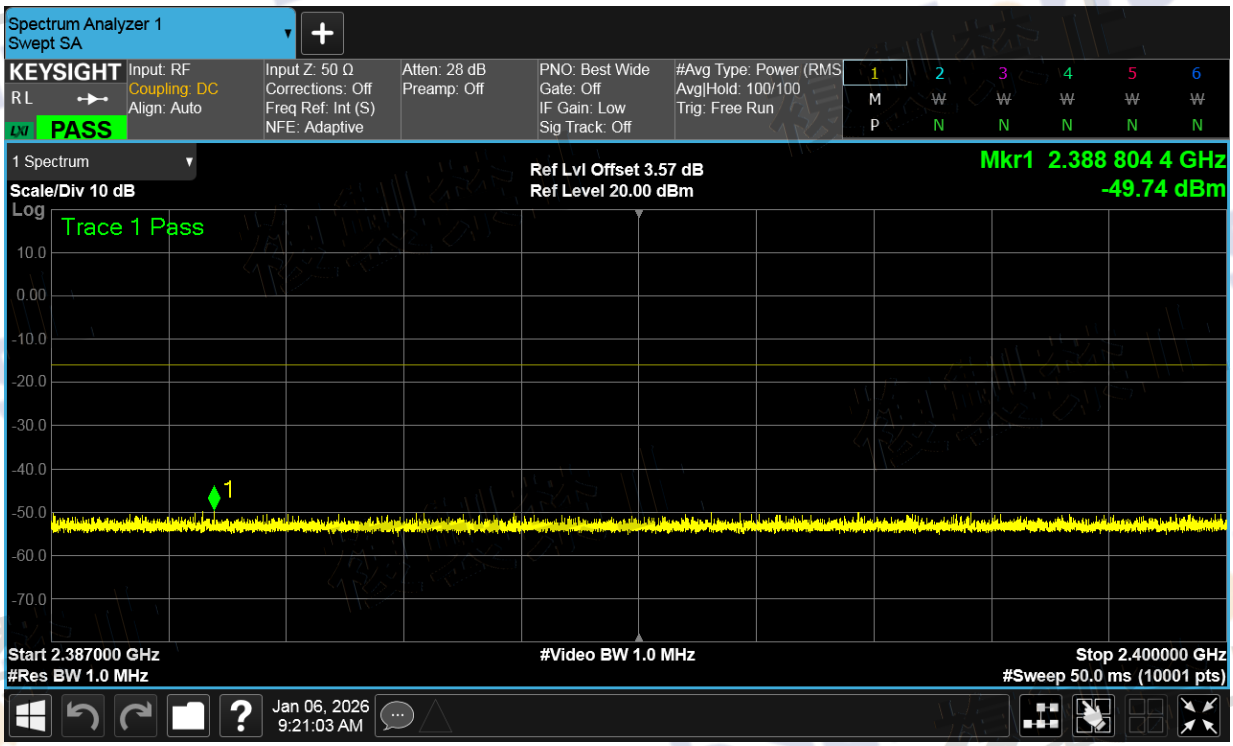
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 30MHz-1000MHz



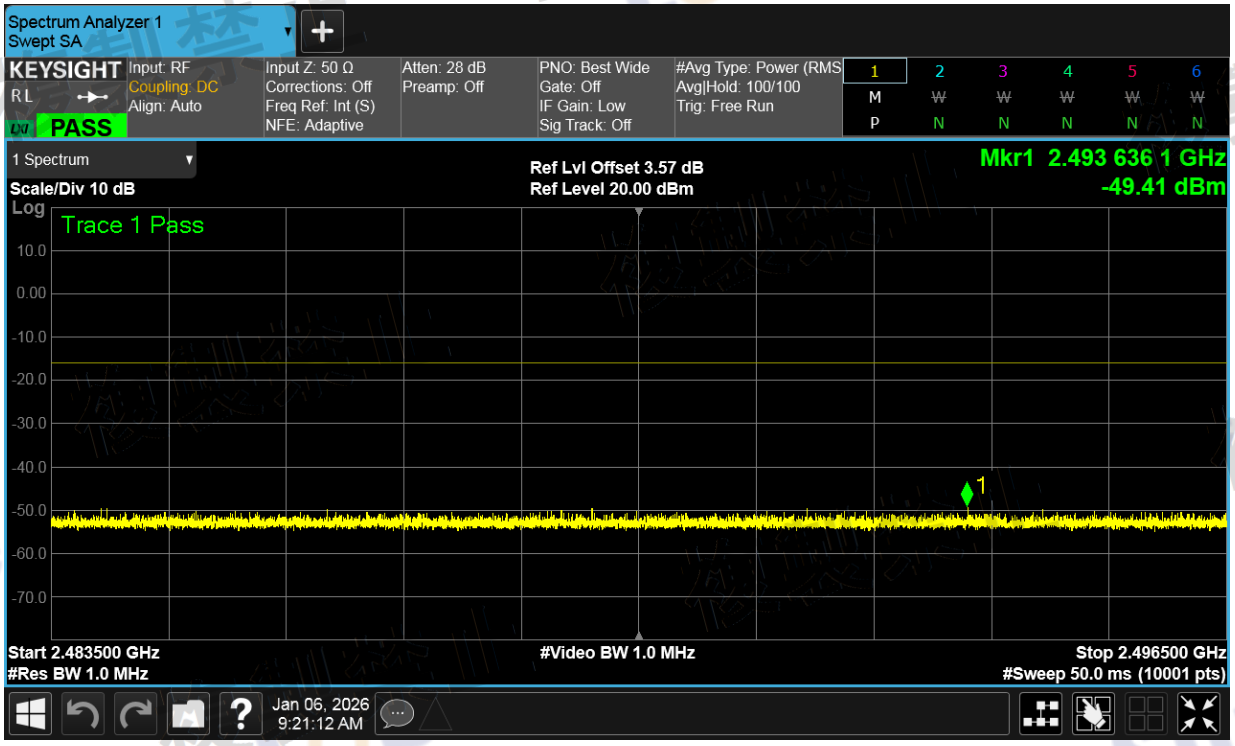
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 1000MHz-2387MHz



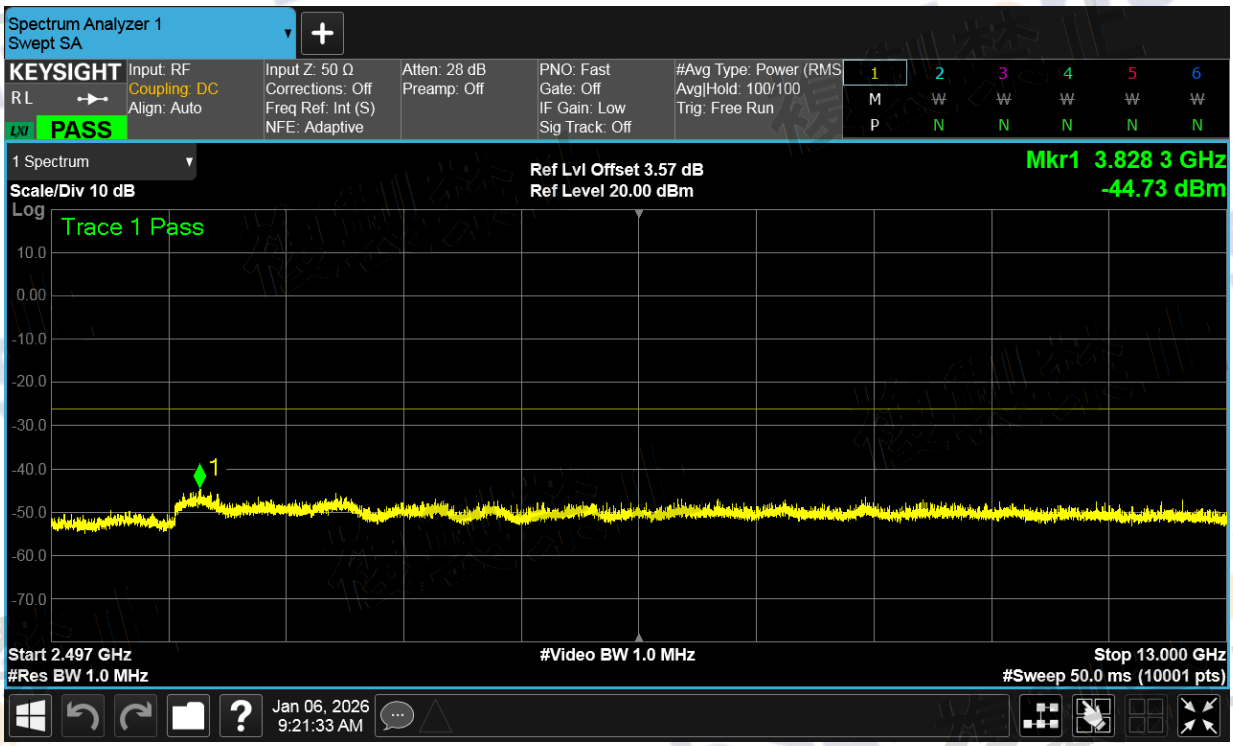
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 2387MHz-2400MHz



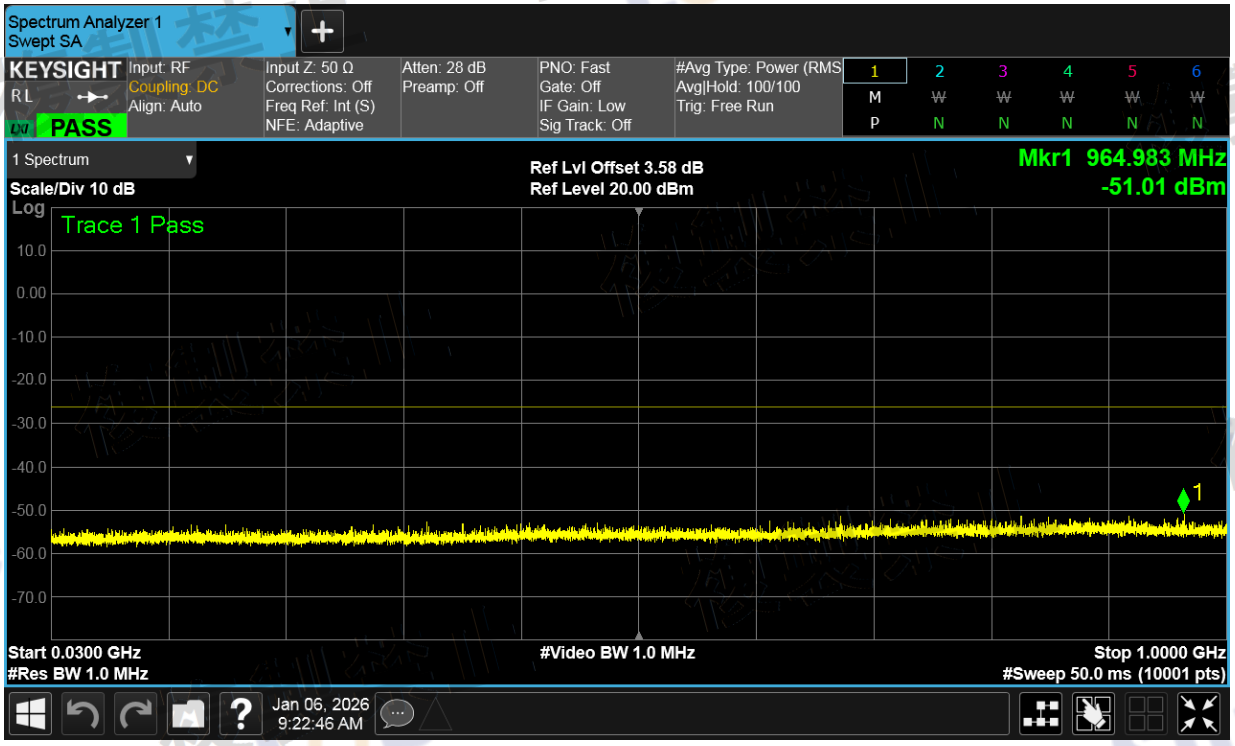
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 2483.5MHz-2496.5MHz



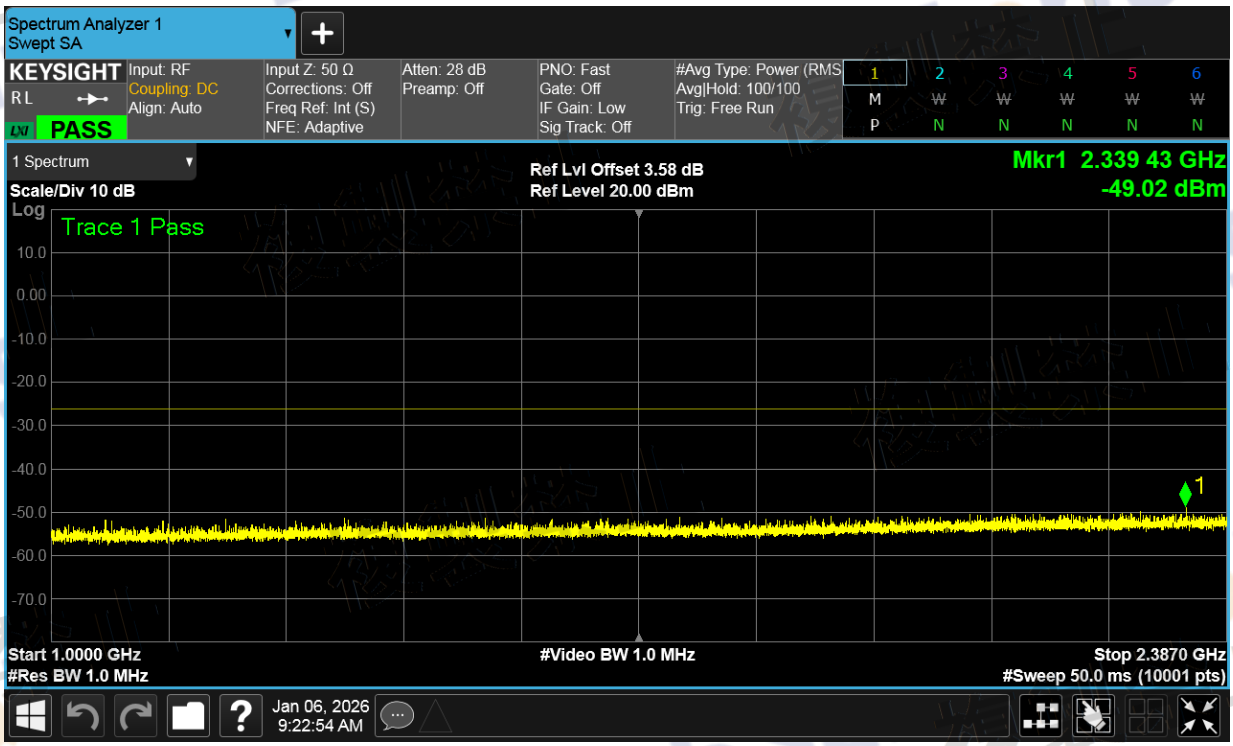
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 2496.5MHz-13000MHz



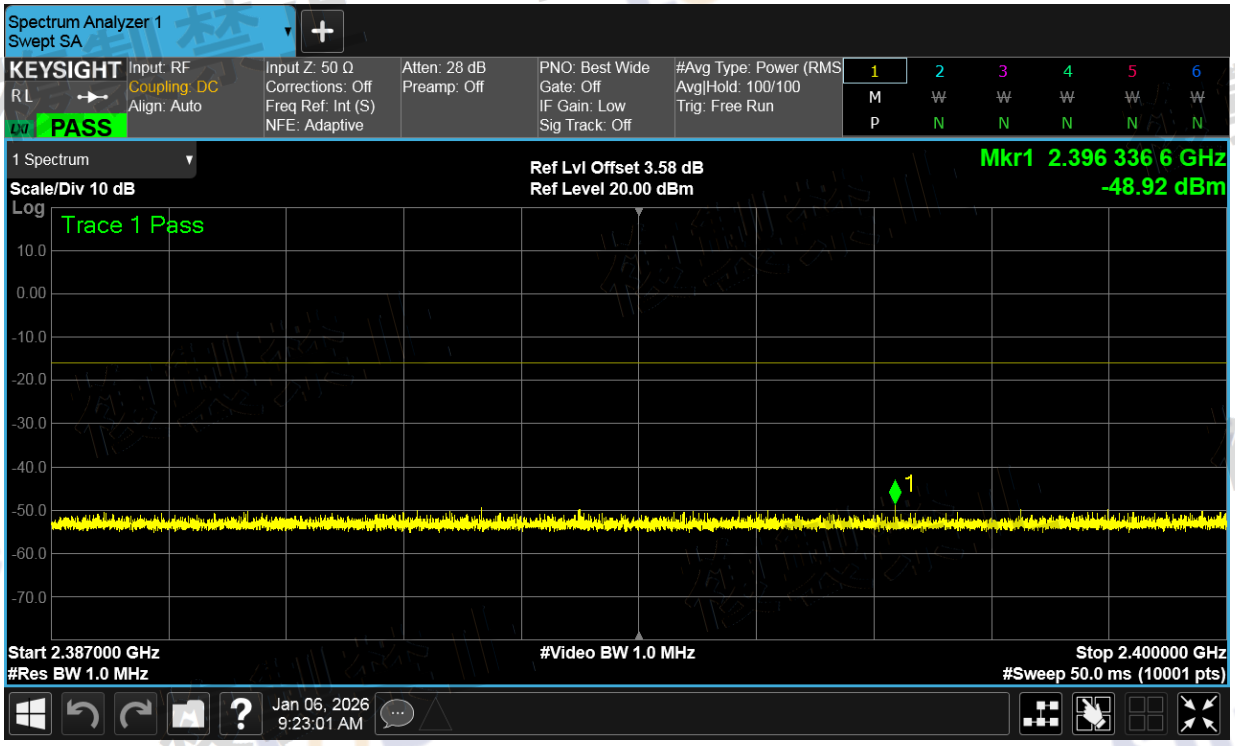
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 30MHz-1000MHz



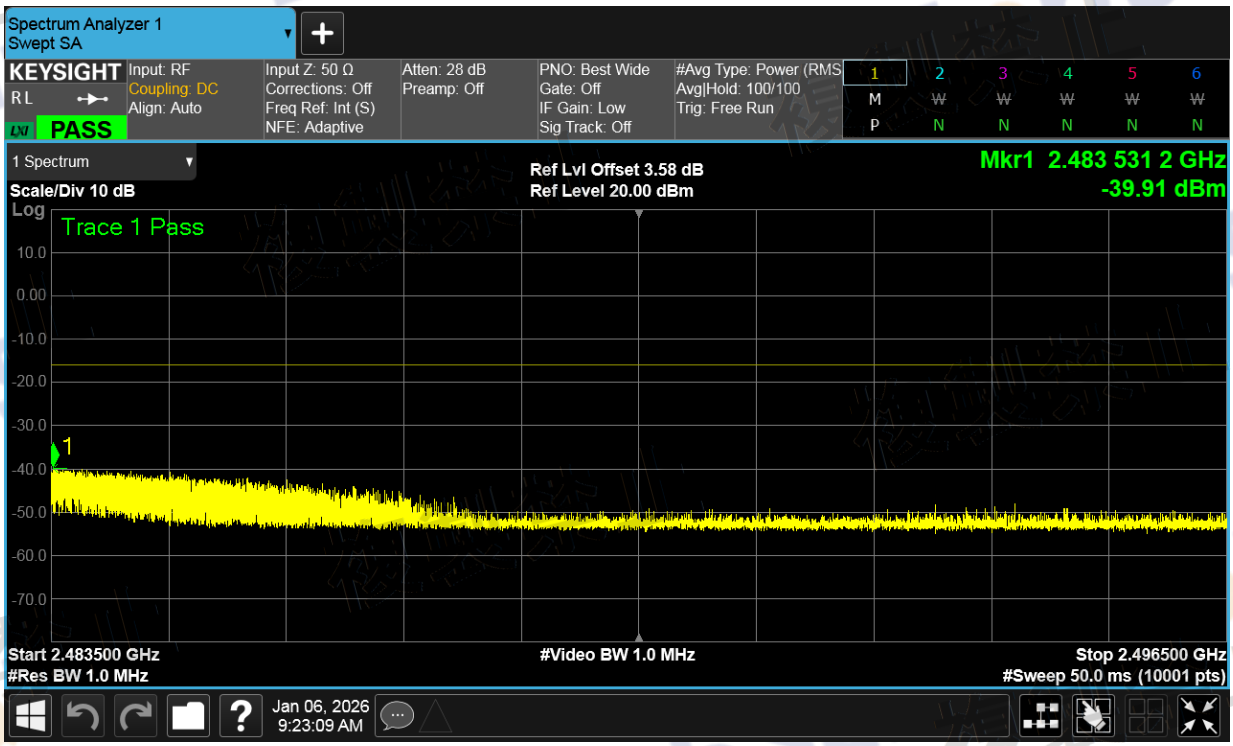
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 1000MHz-2387MHz



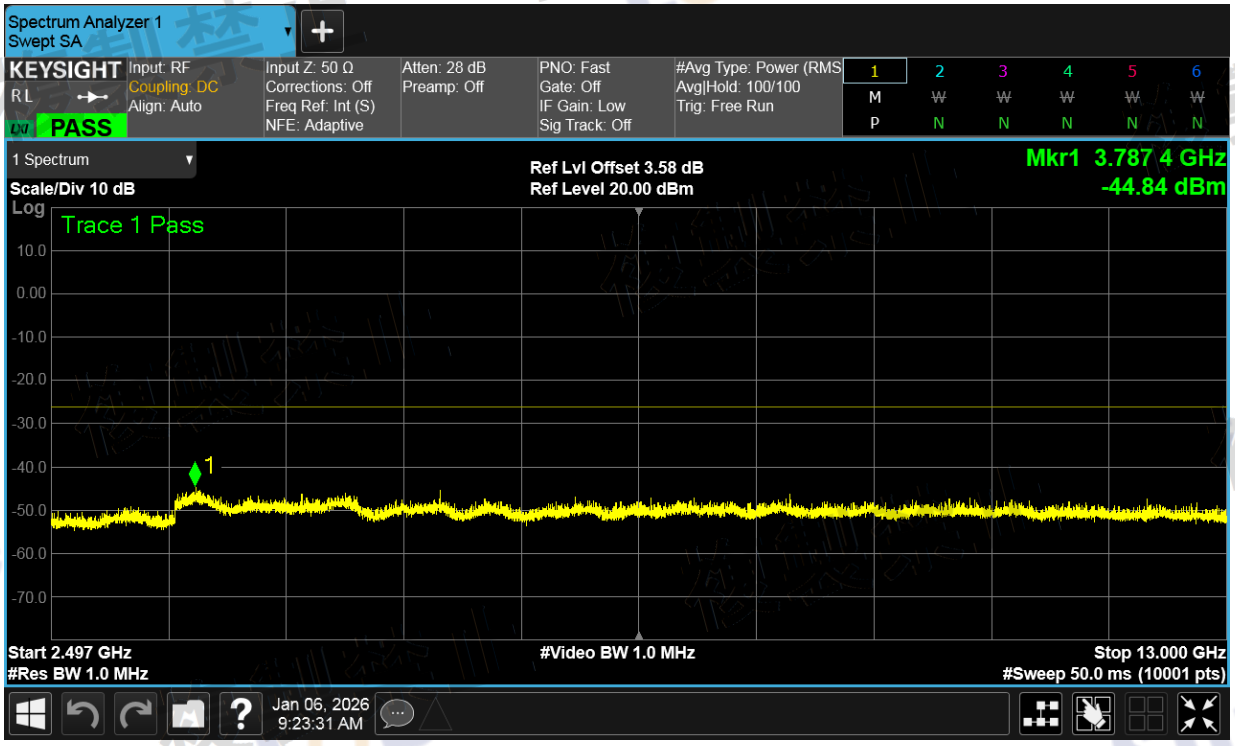
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2387MHz-2400MHz



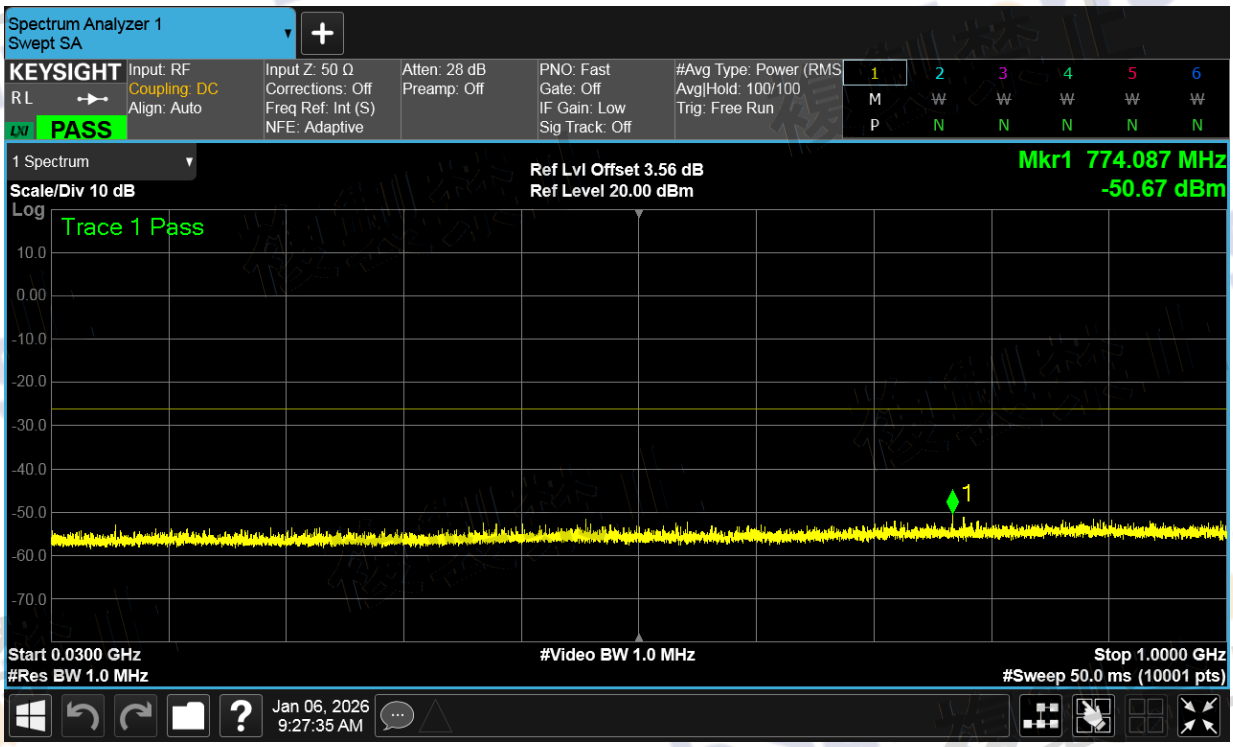
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2483.5MHz-2496.5MHz



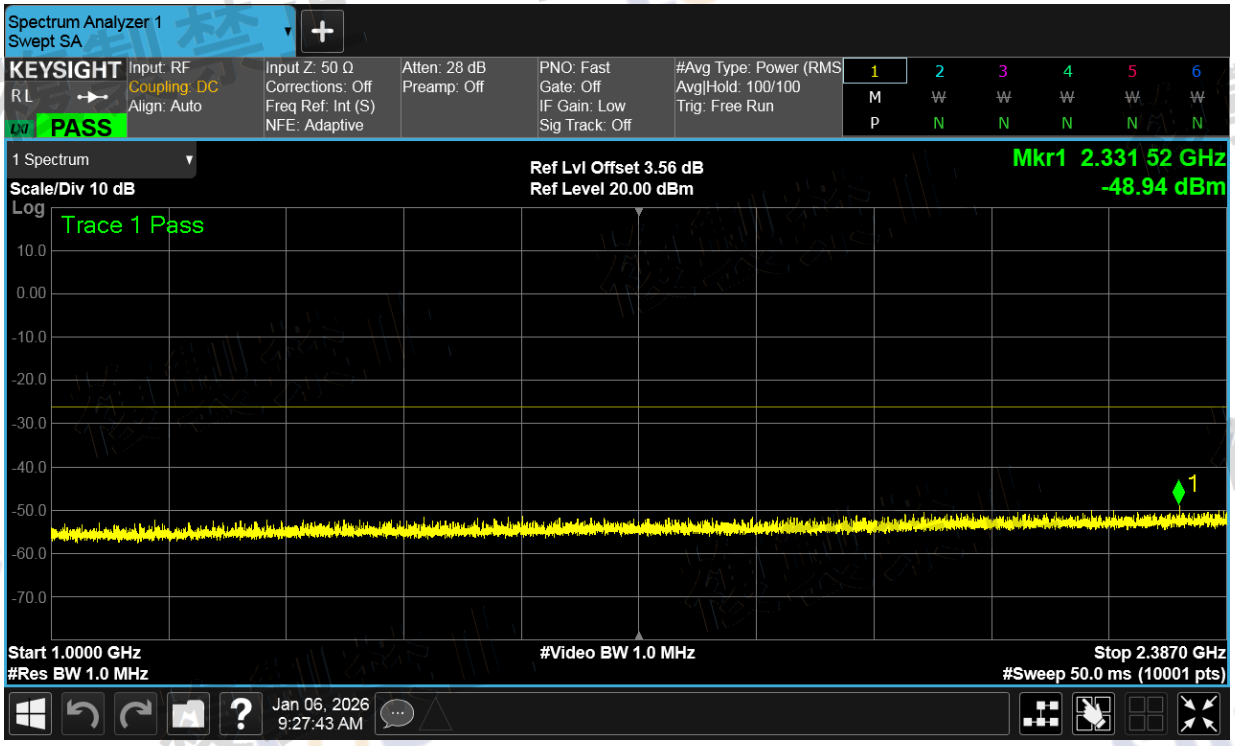
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2496.5MHz-13000MHz



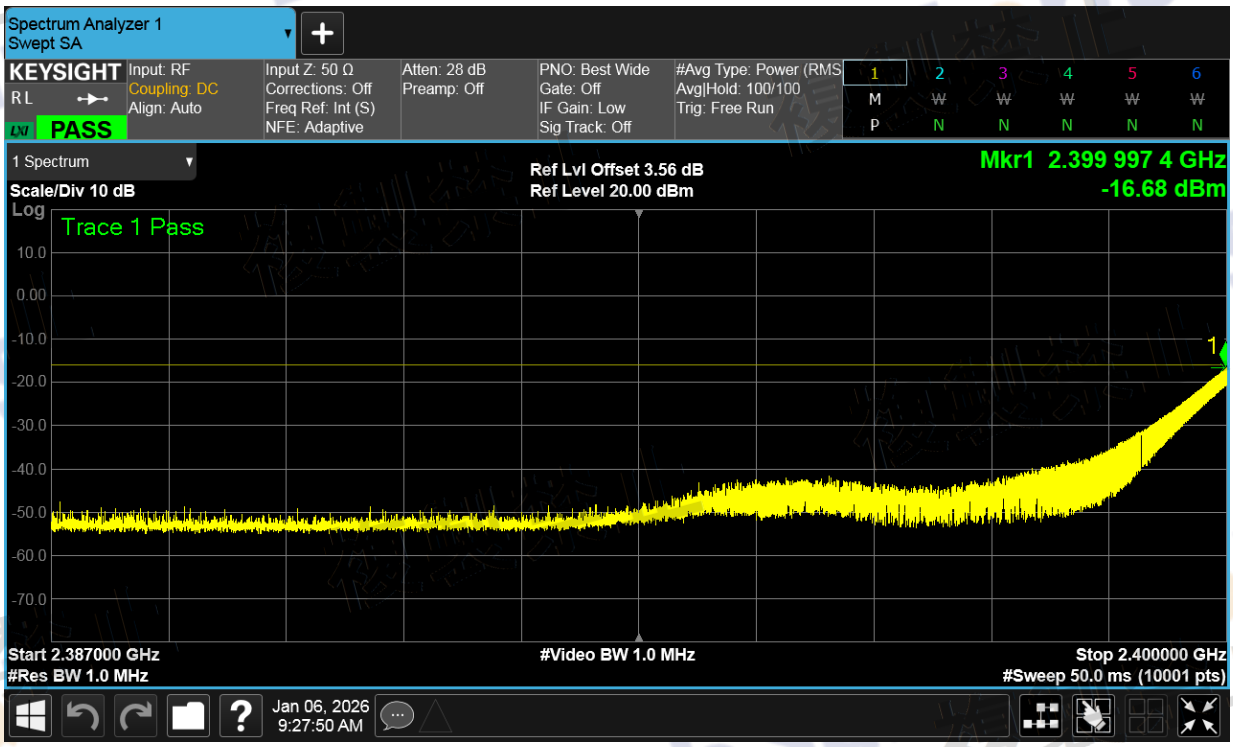
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 30MHz-1000MHz



Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 1000MHz-2387MHz



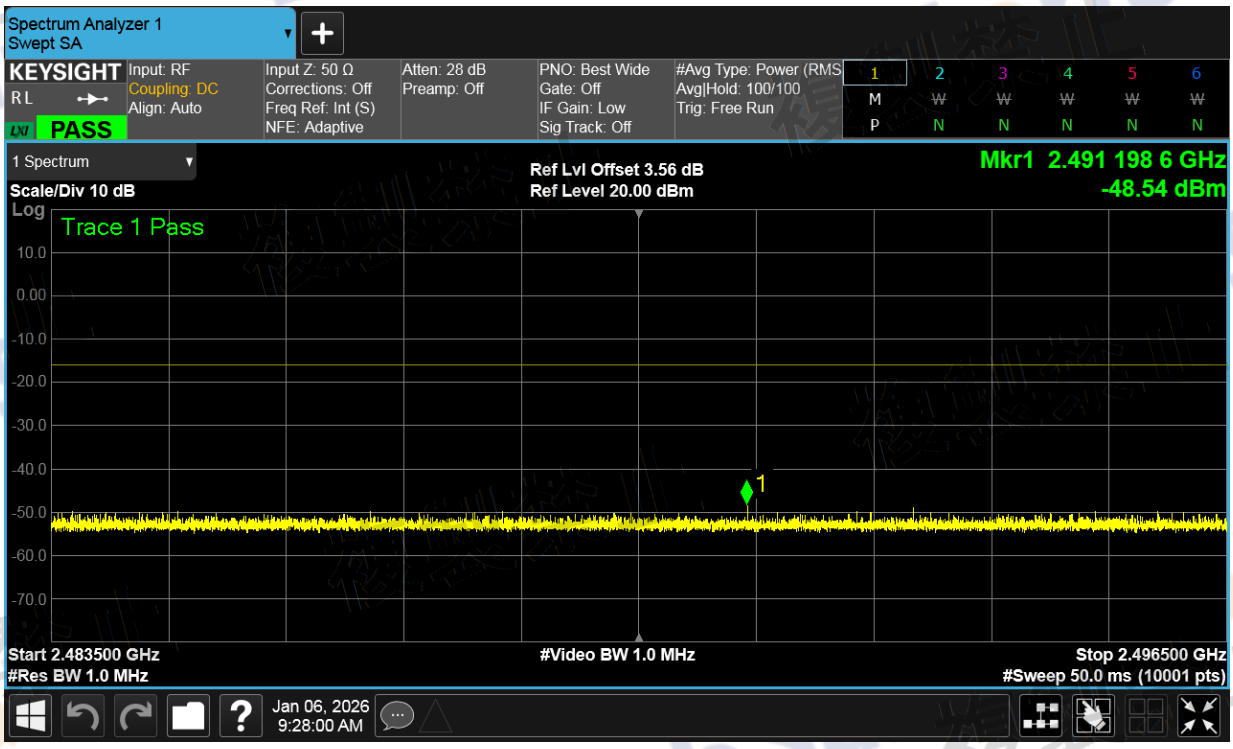
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 2387MHz-2400MHz



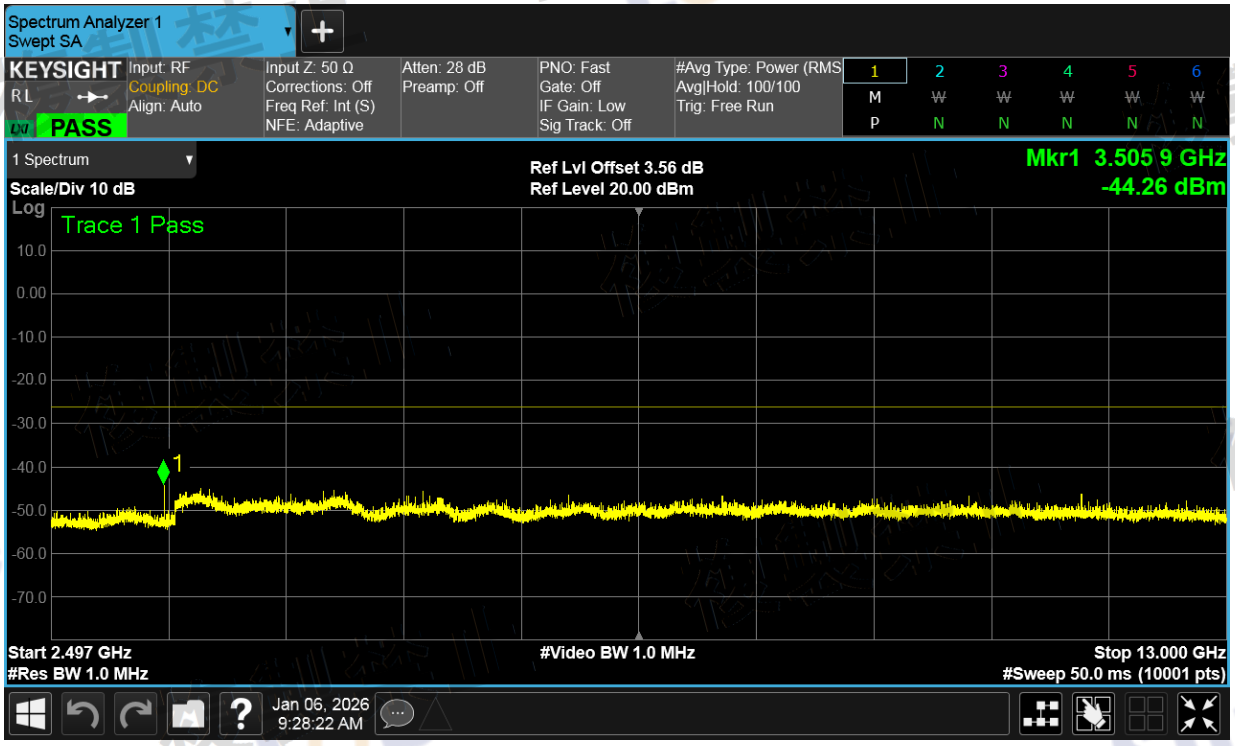
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 2387MHz-2400MHz Final



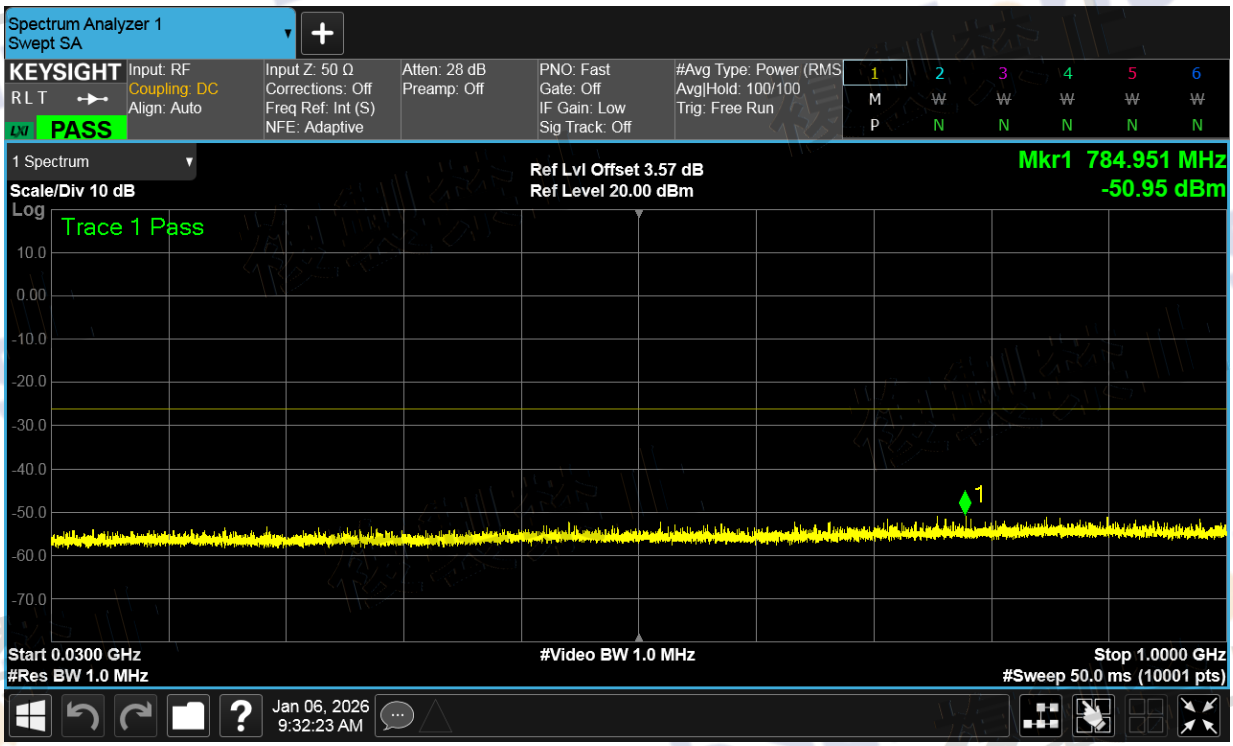
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 2483.5MHz-2496.5MHz



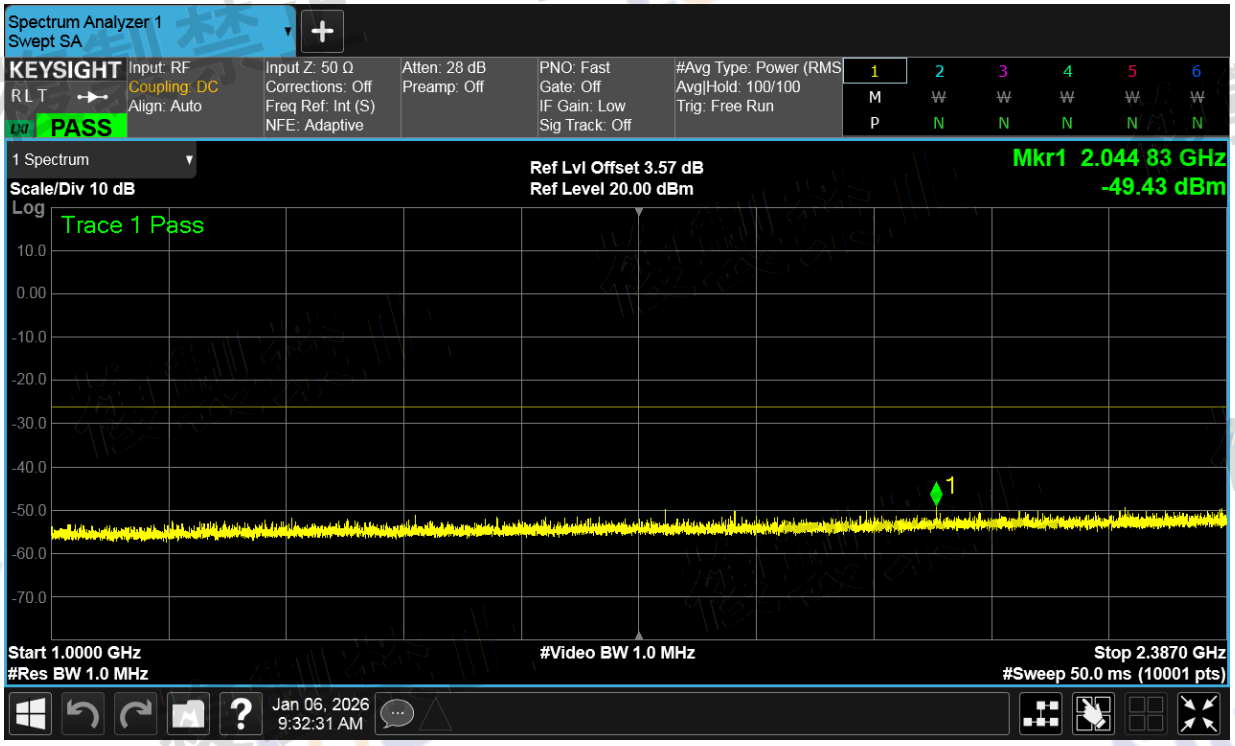
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 2496.5MHz-13000MHz



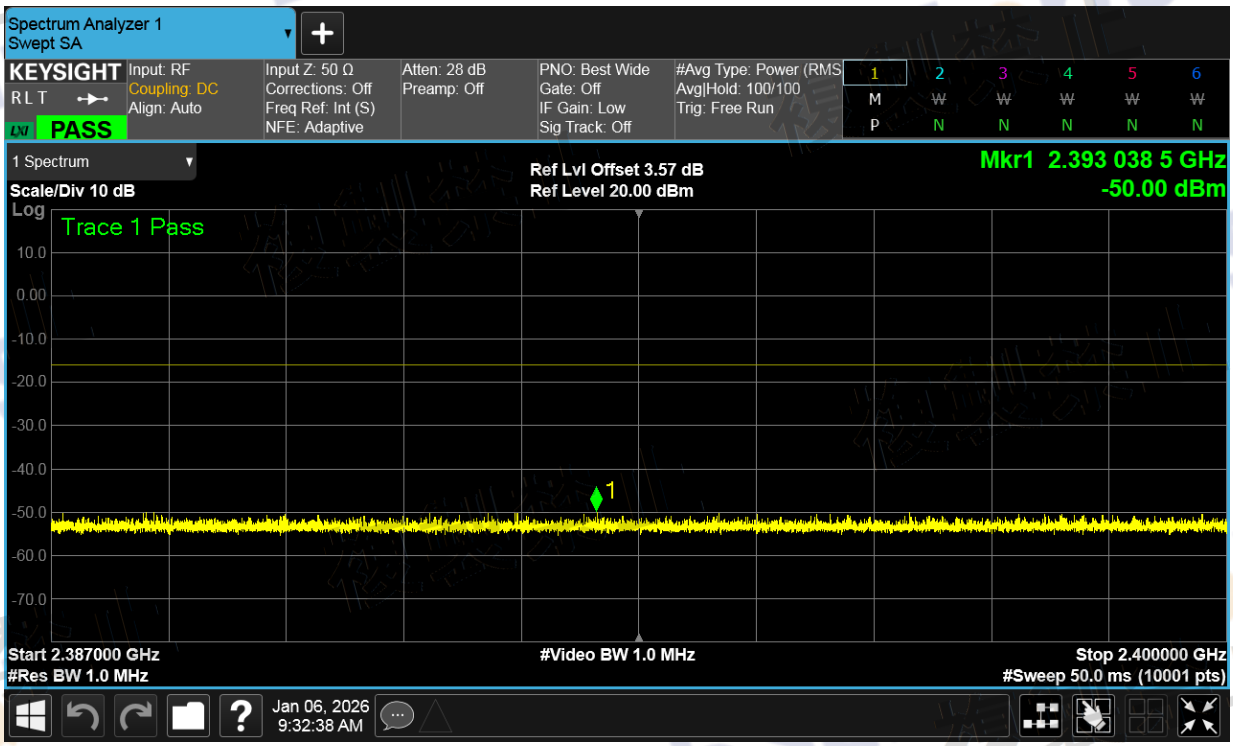
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 30MHz-1000MHz



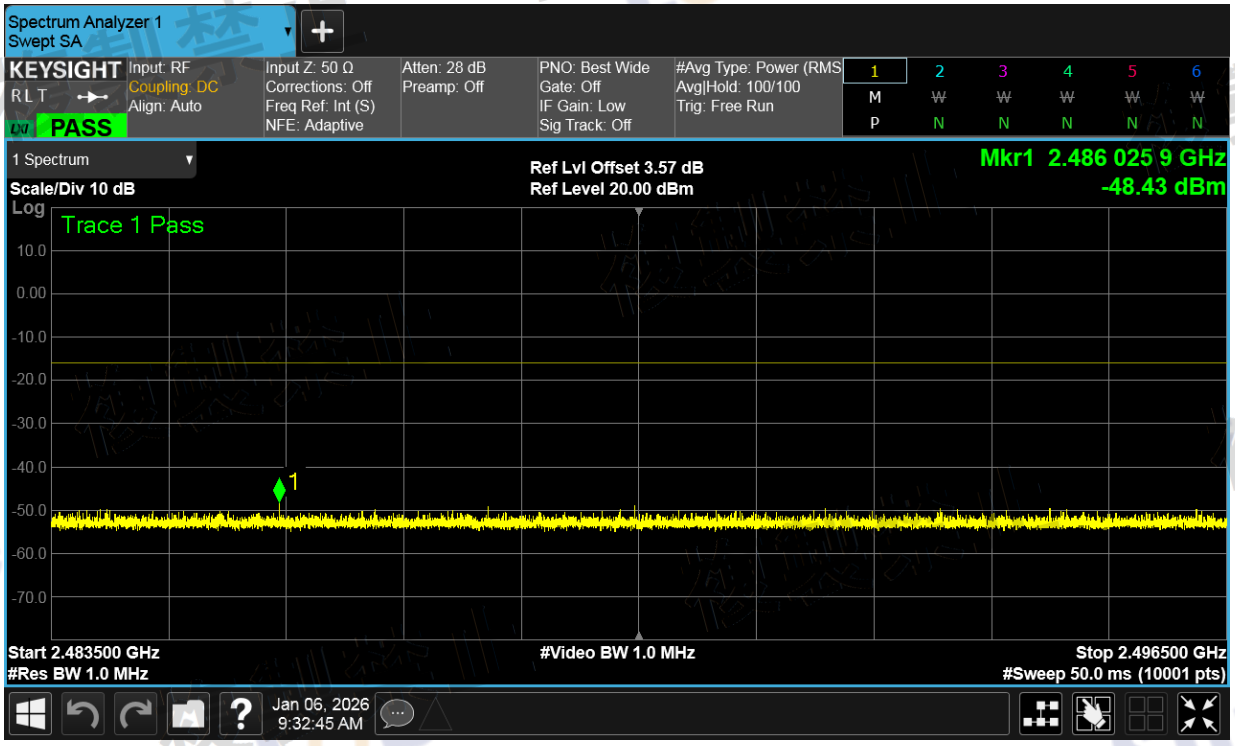
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 1000MHz-2387MHz



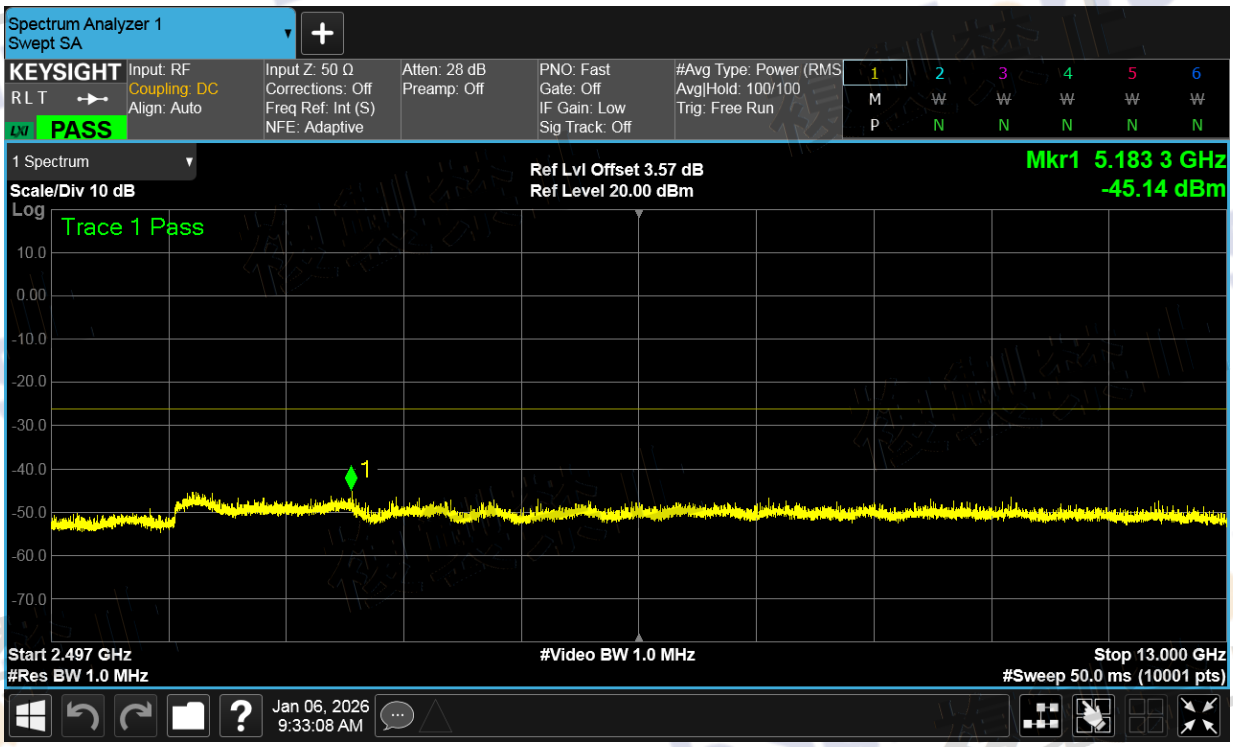
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 2387MHz-2400MHz



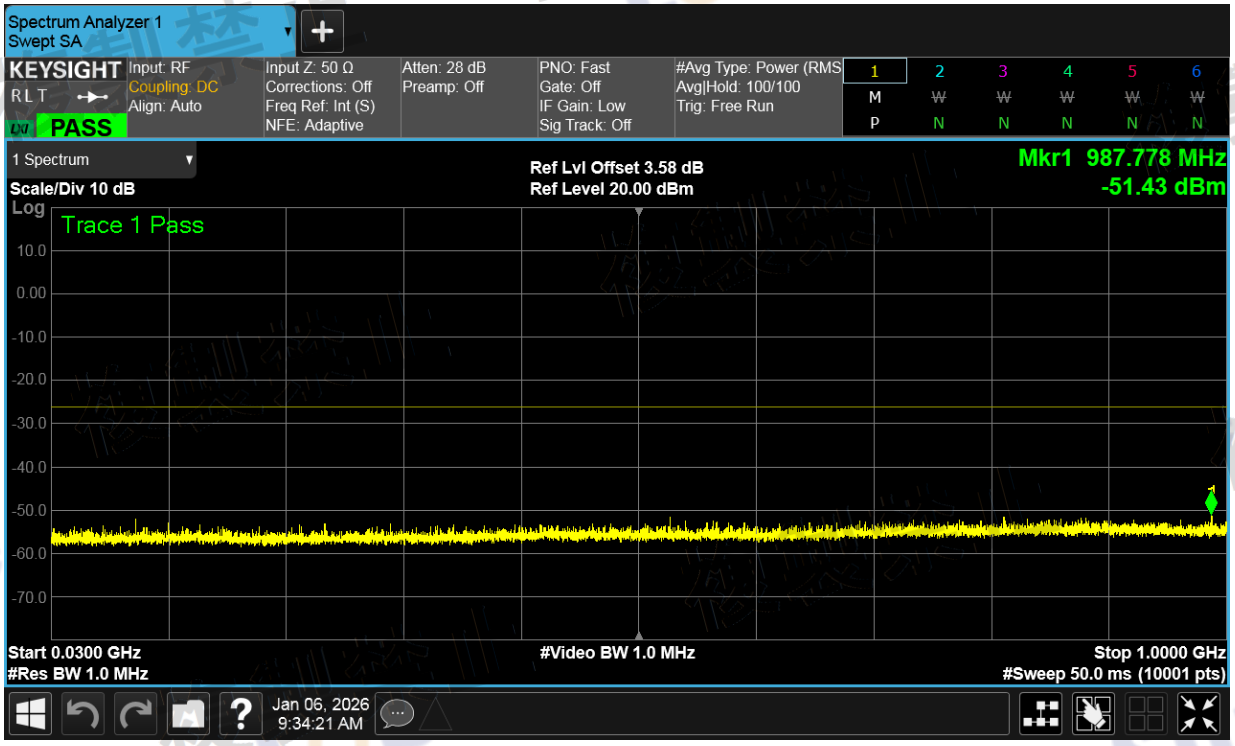
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 2483.5MHz-2496.5MHz



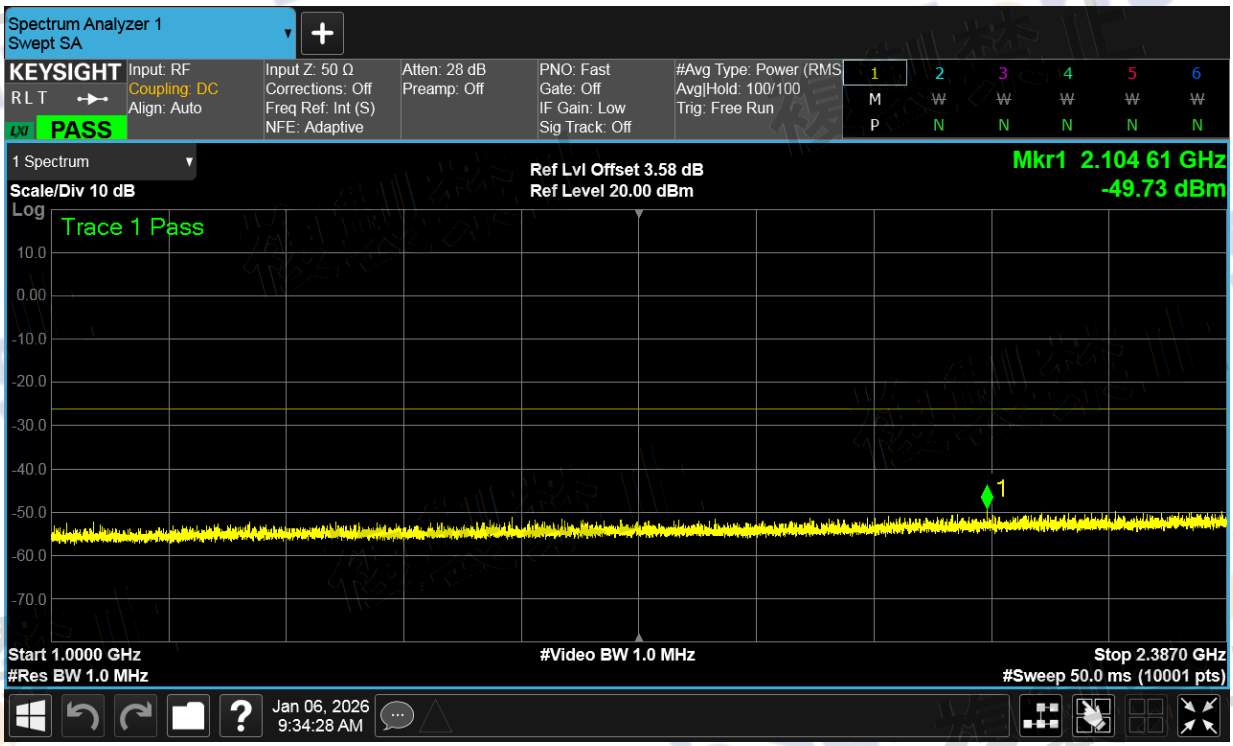
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 2496.5MHz-13000MHz



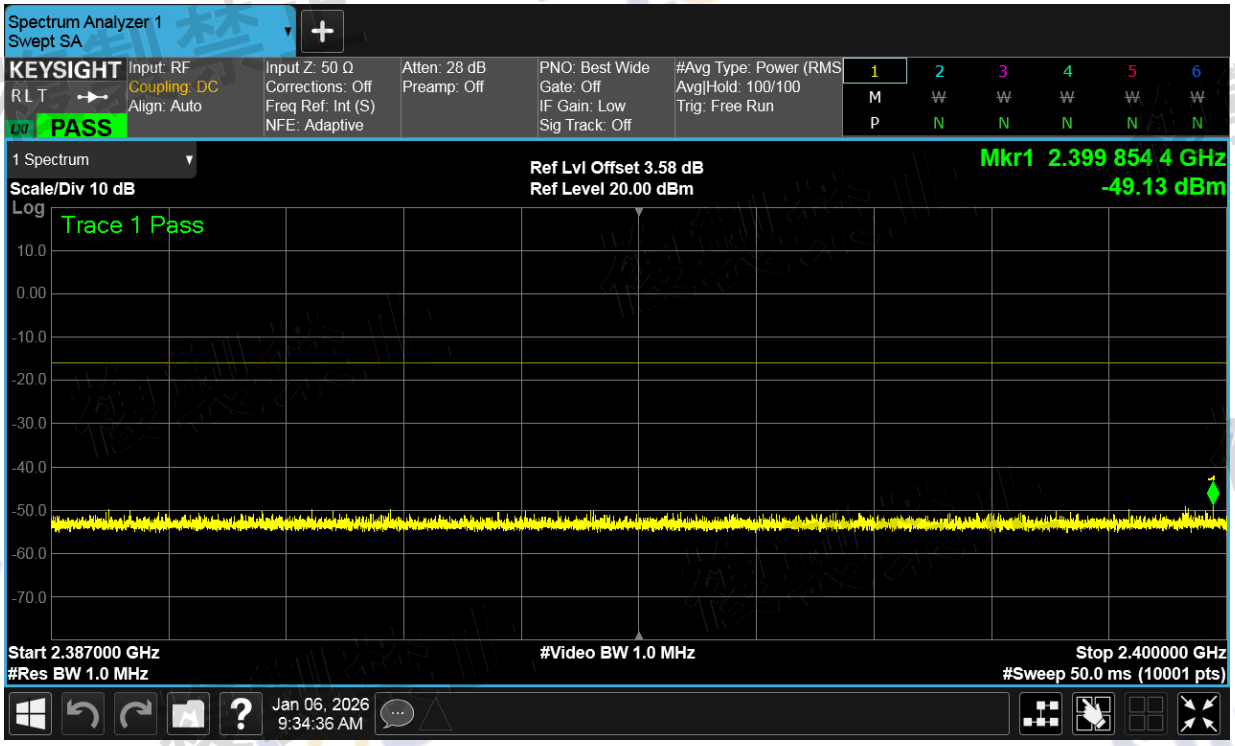
Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 30MHz-1000MHz



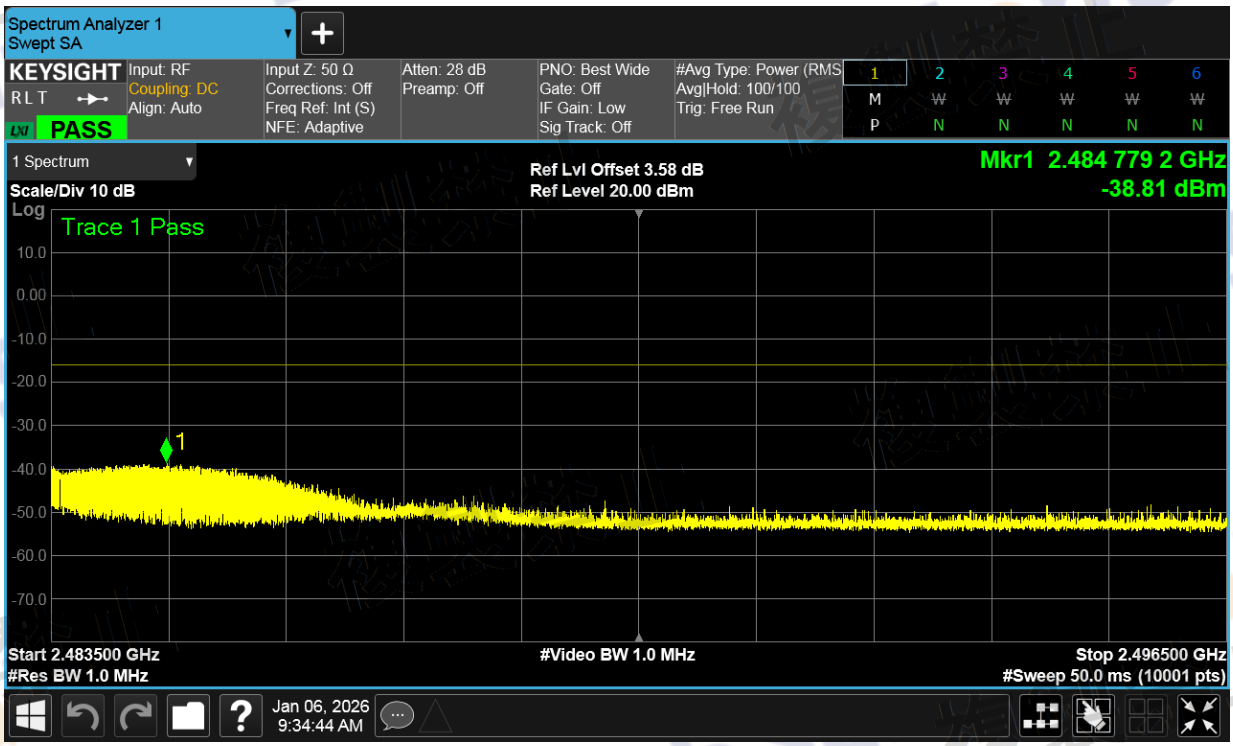
Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 1000MHz-2387MHz



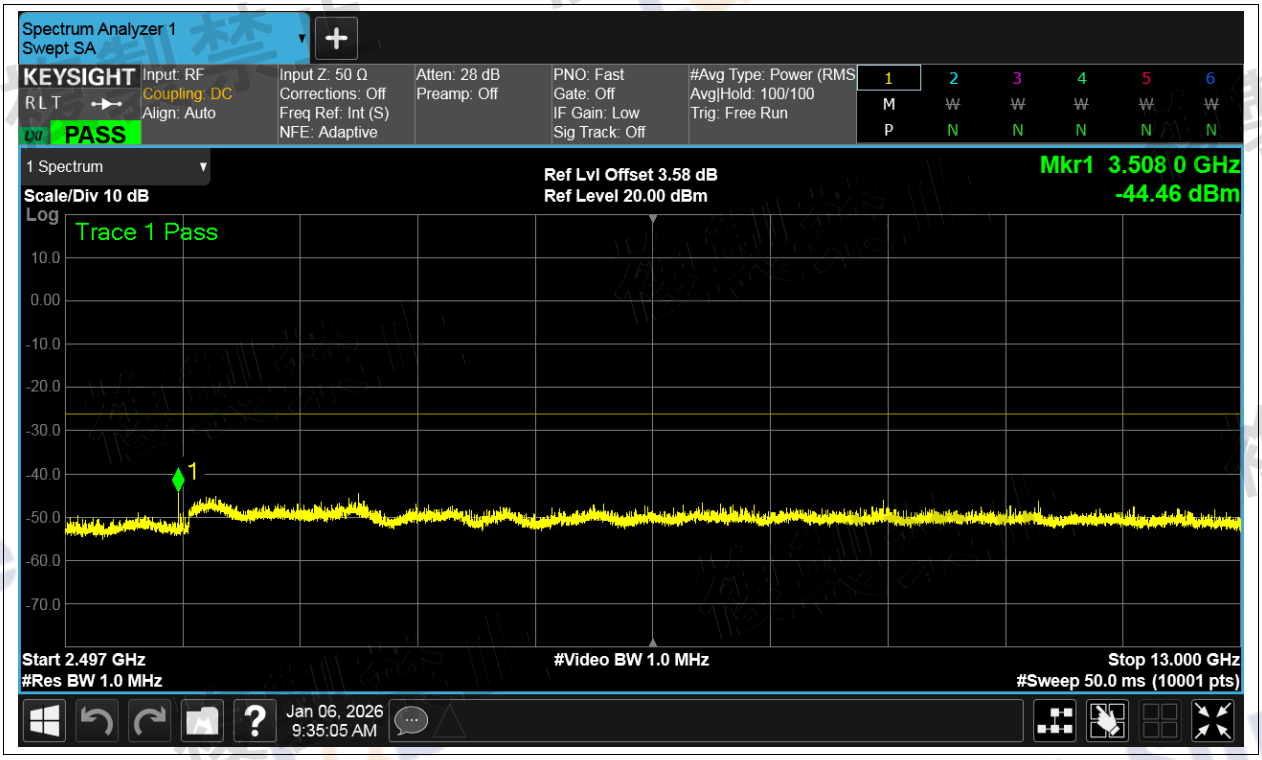
Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 2387MHz-2400MHz



Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 2483.5MHz-2496.5MHz



Tx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 2496.5MHz-13000MHz

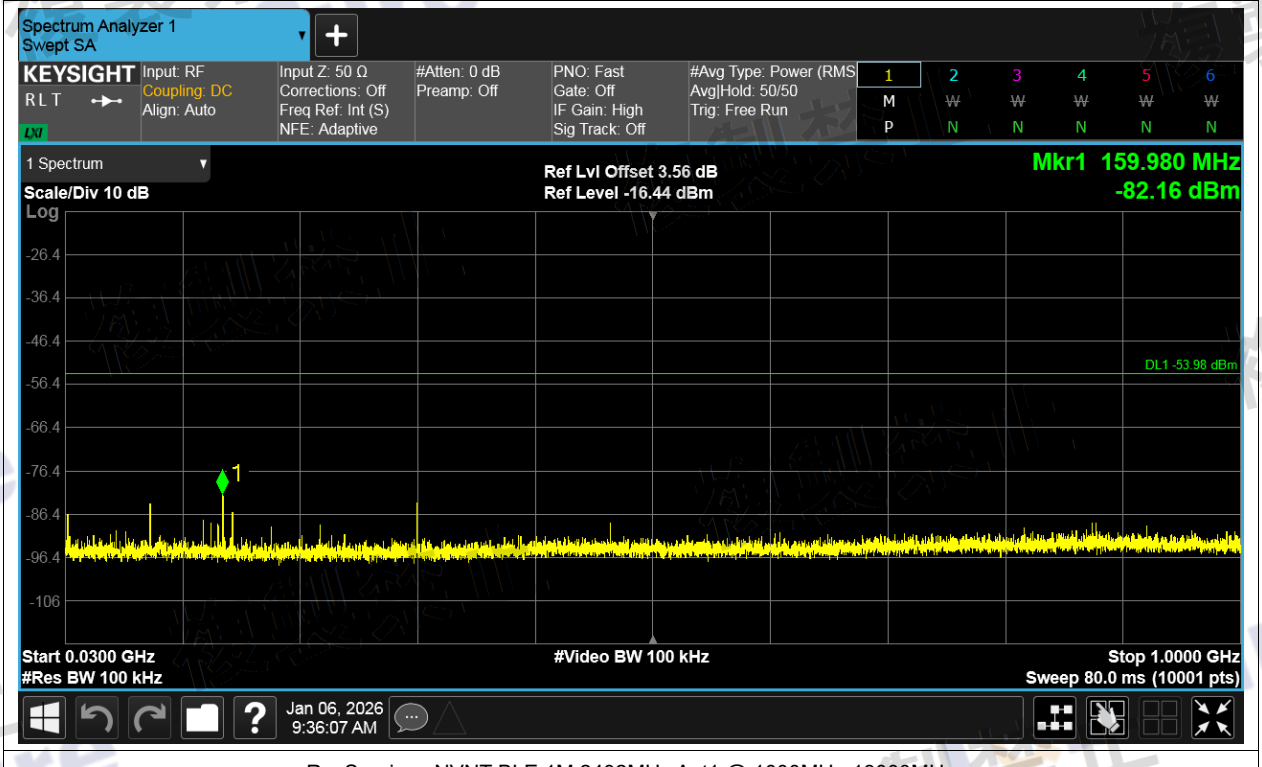

Spectrum Analyzer 1
Swept SA
KEYSIGHT
RLT
PASS
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
Atten: 28 dB
Preamp: Off
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
#Avg Type: Power (RMS
Avg|Hold: 100/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Ref Lvl Offset 3.58 dB
Ref Level 20.00 dBm
Mkr1 3.508 0 GHz
-44.46 dBm
Log
Trace 1 Pass
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start 2.497 GHz
#Res BW 1.0 MHz
#Video BW 1.0 MHz
Stop 13.000 GHz
#Sweep 50.0 ms (10001 pts)
Jan 06, 2026
9:35:05 AM

Secondary Radiated Emissions

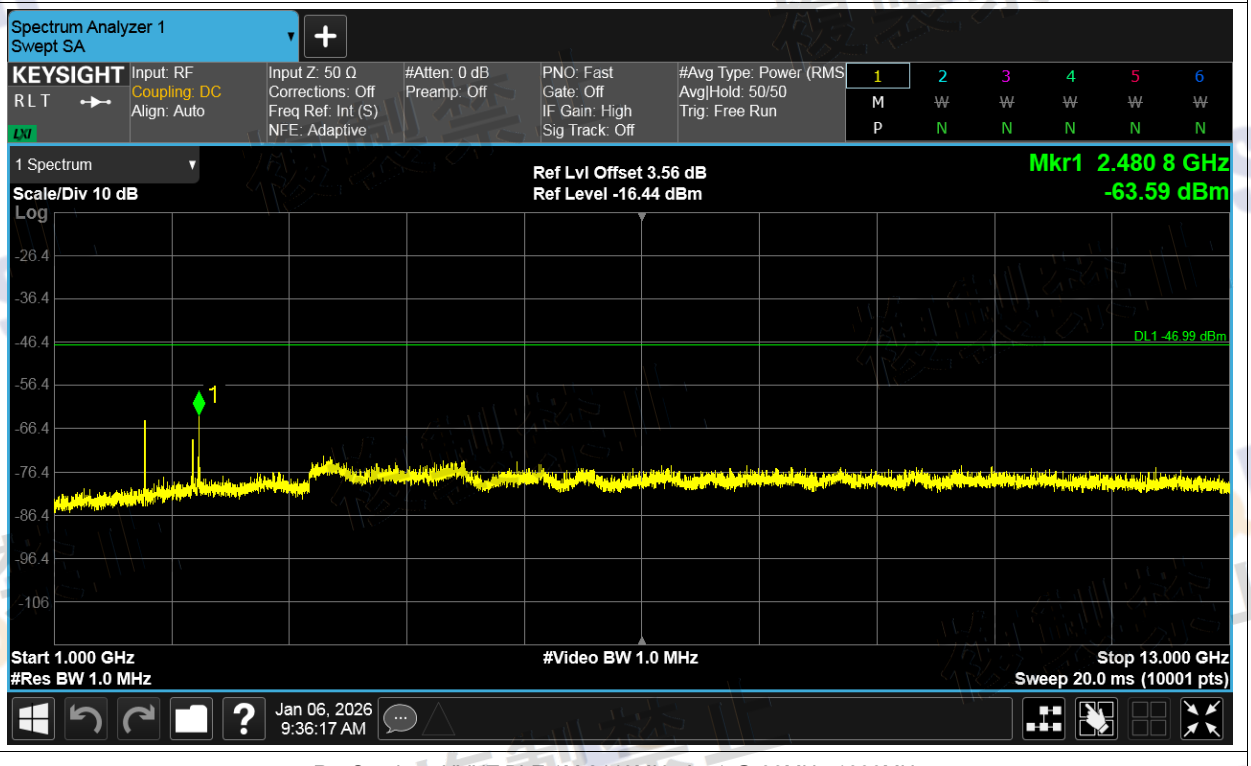
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Peak Value (dBm)	Max RMS Value (dBm)	Max Peak Value (nW)	Max RMS Value (nW)	Limit (nW)	Verdict
NVNT	BLE 1M	2402	Ant1	30-1000	159.98	-82.17	NA	0.0061	NA	4	Pass
NVNT	BLE 1M	2402	Ant1	1000-13000	2480.80	-63.59	NA	0.4375	NA	20	Pass
NVNT	BLE 1M	2440	Ant1	30-1000	159.98	-82.21	NA	0.006	NA	4	Pass
NVNT	BLE 1M	2440	Ant1	1000-13000	1949.20	-69.08	NA	0.1236	NA	20	Pass
NVNT	BLE 1M	2480	Ant1	30-1000	100.03	-82.78	NA	0.0053	NA	4	Pass
NVNT	BLE 1M	2480	Ant1	1000-13000	2402.80	-61.53	NA	0.7031	NA	20	Pass
NVNT	BLE 2M	2402	Ant1	30-1000	159.98	-82.34	NA	0.0058	NA	4	Pass
NVNT	BLE 2M	2402	Ant1	1000-13000	2426.80	-64.14	NA	0.3855	NA	20	Pass
NVNT	BLE 2M	2440	Ant1	30-1000	159.98	-82.30	NA	0.0059	NA	4	Pass
NVNT	BLE 2M	2440	Ant1	1000-13000	2426.80	-63.06	NA	0.4943	NA	20	Pass
NVNT	BLE 2M	2480	Ant1	30-1000	831.41	-77.59	NA	0.0174	NA	4	Pass
NVNT	BLE 2M	2480	Ant1	1000-13000	2471.20	-69.34	NA	0.1164	NA	20	Pass

Test Graphs

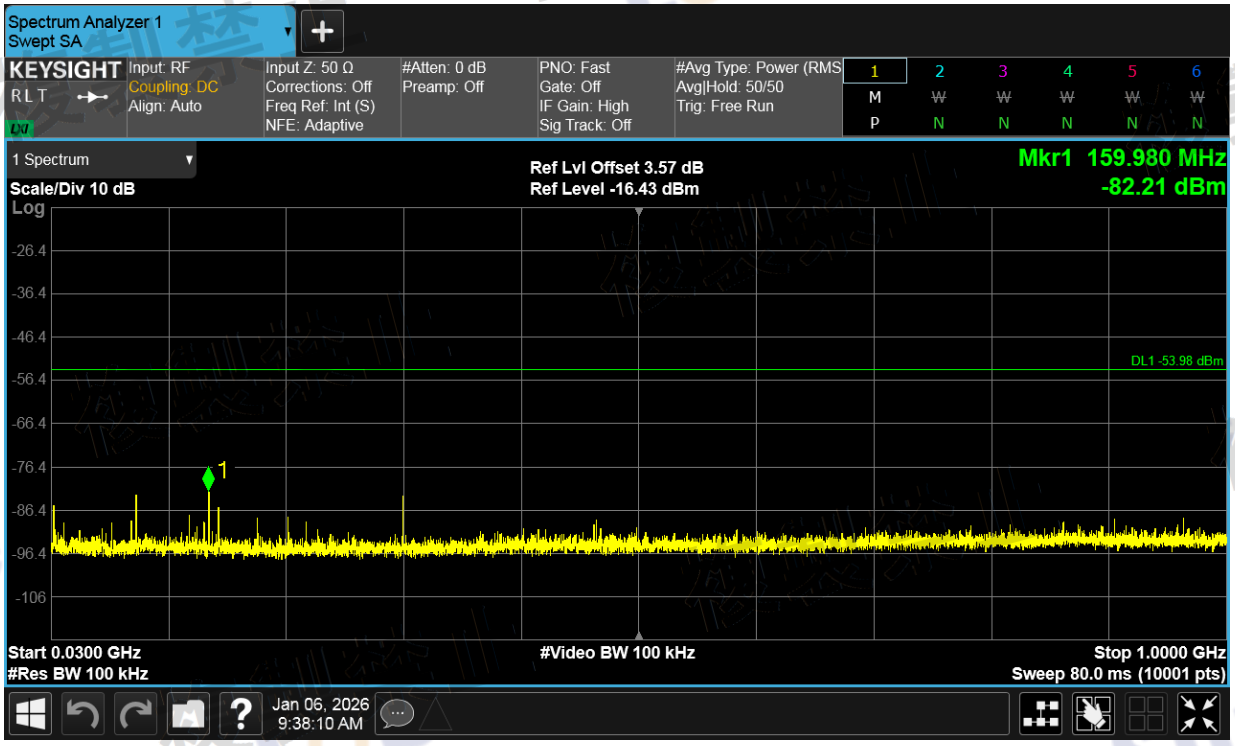
Rx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 30MHz-1000MHz



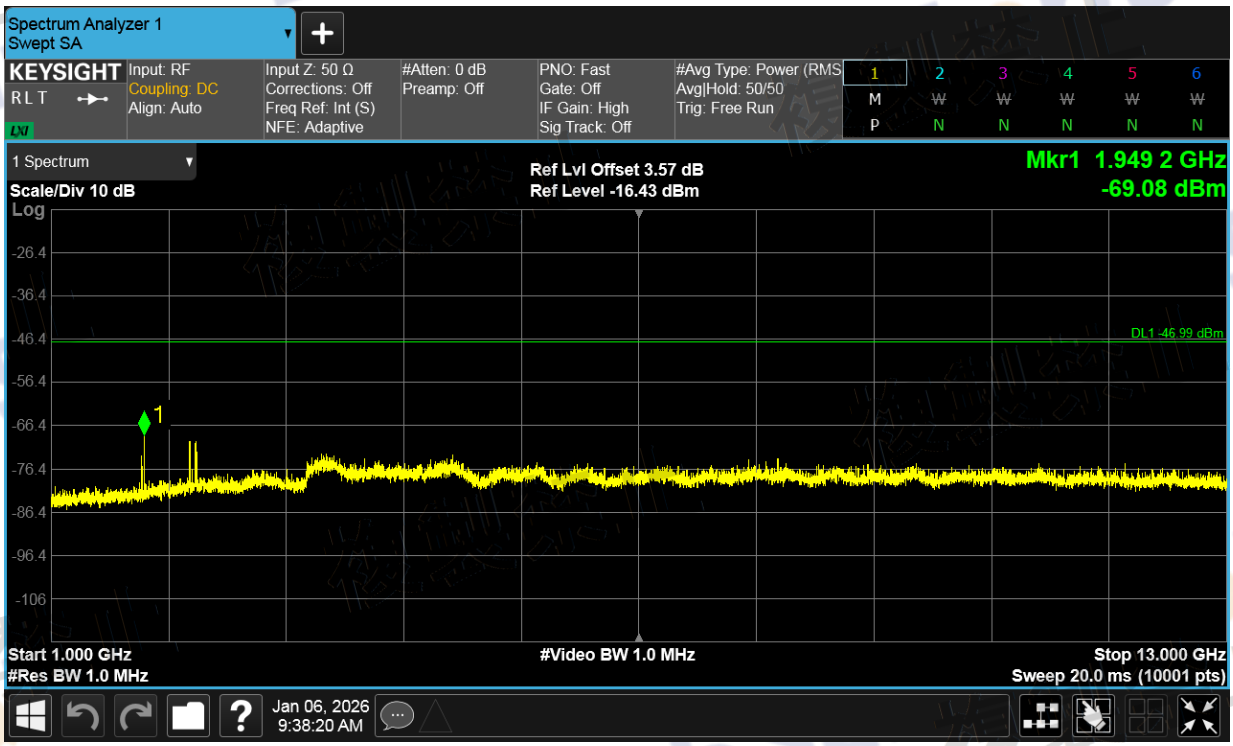
Rx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 1000MHz-13000MHz



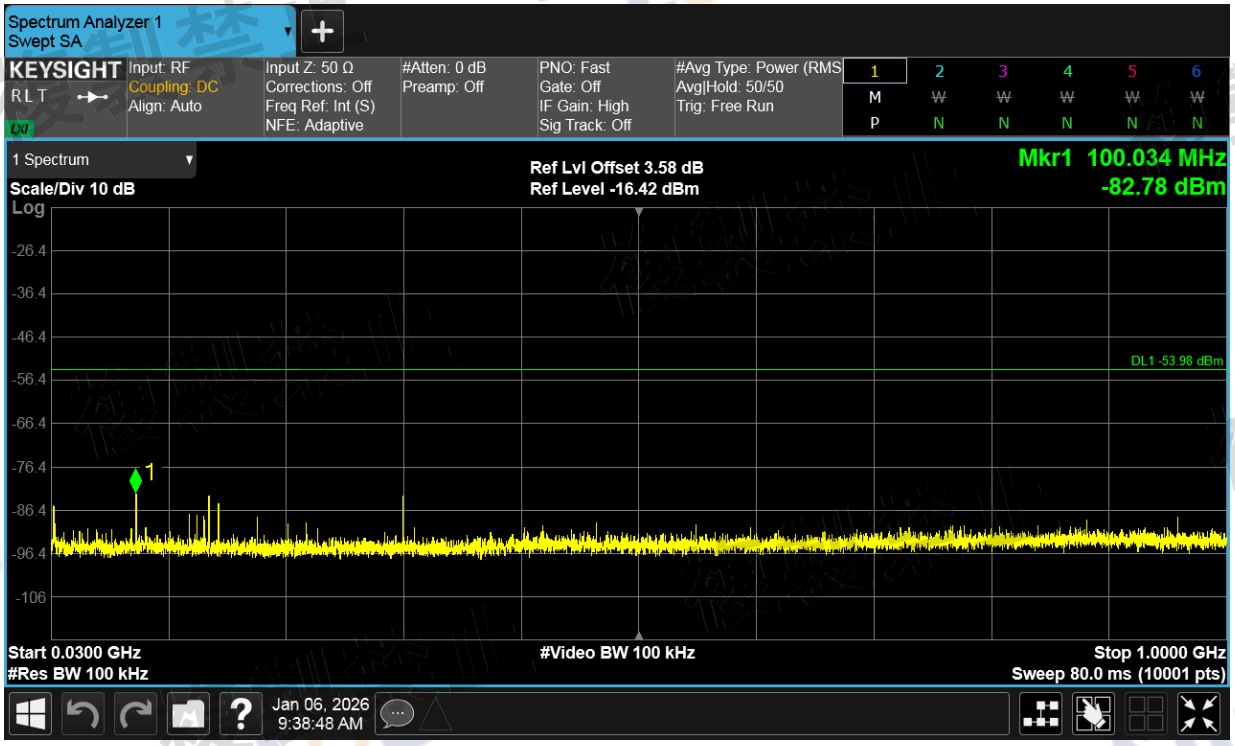
Rx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 30MHz-1000MHz



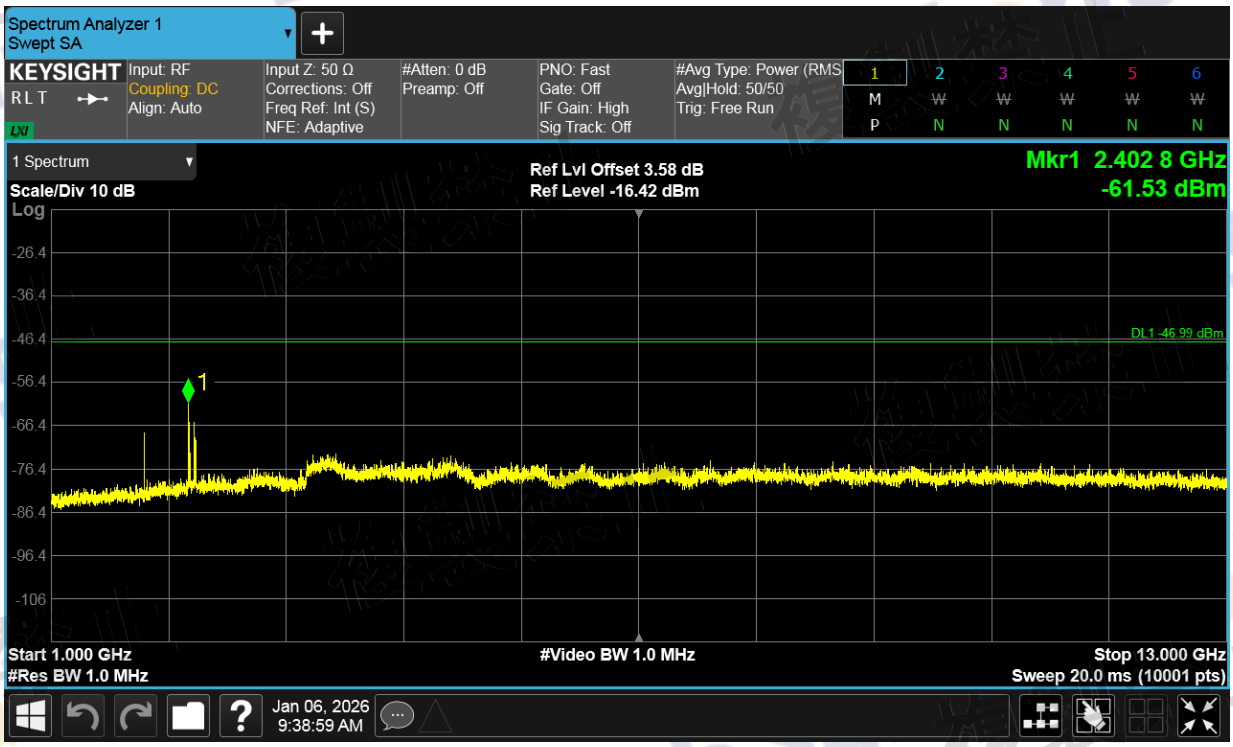
Rx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 1000MHz-13000MHz



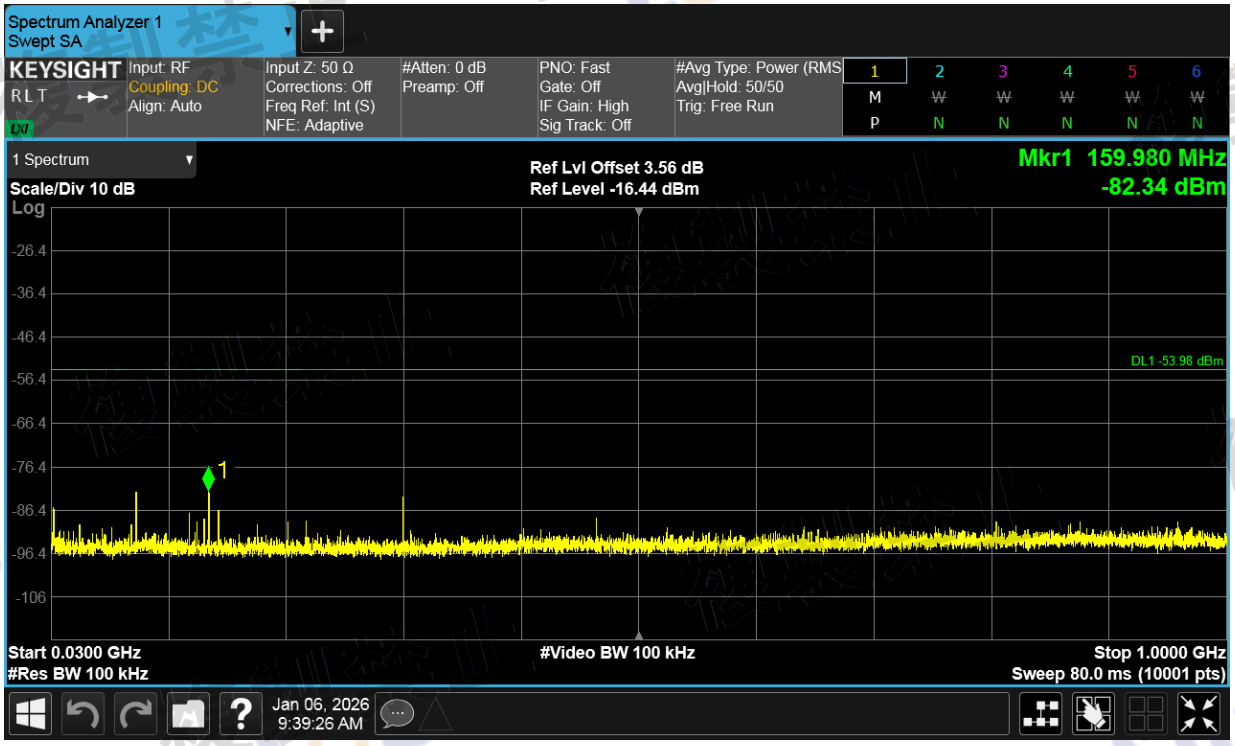
Rx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 30MHz-1000MHz



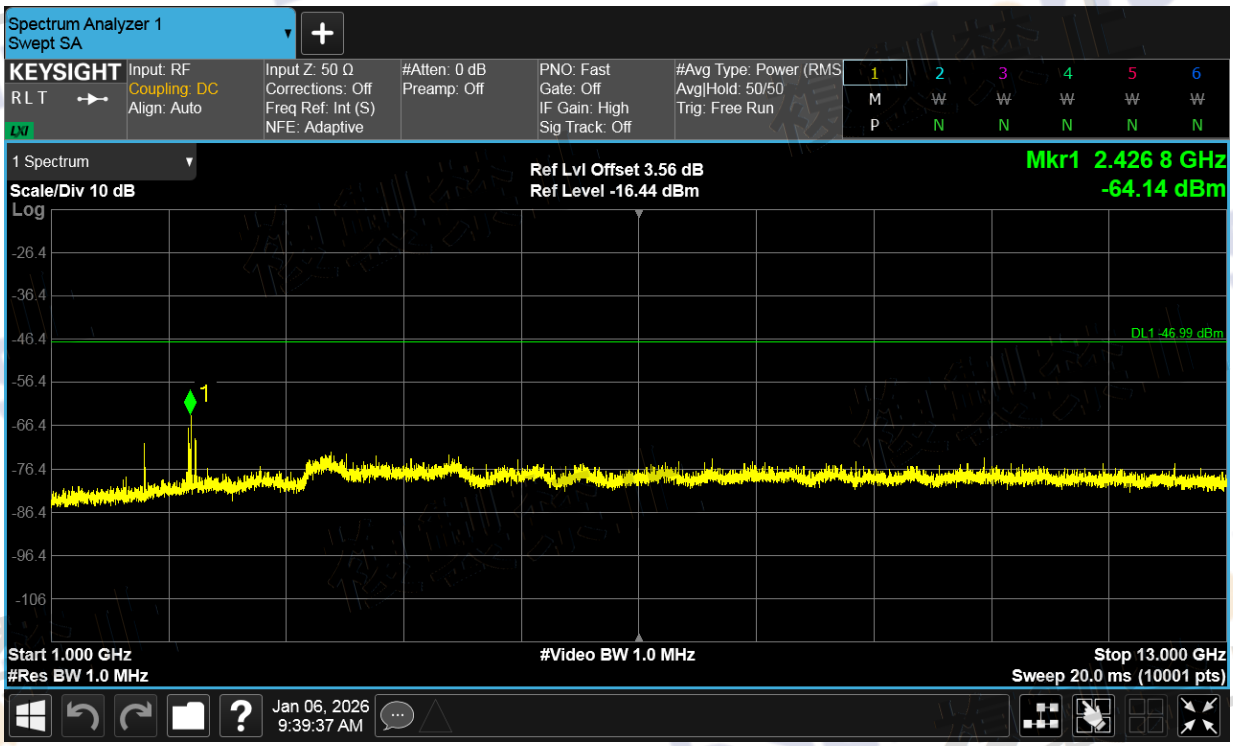
Rx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 1000MHz-13000MHz



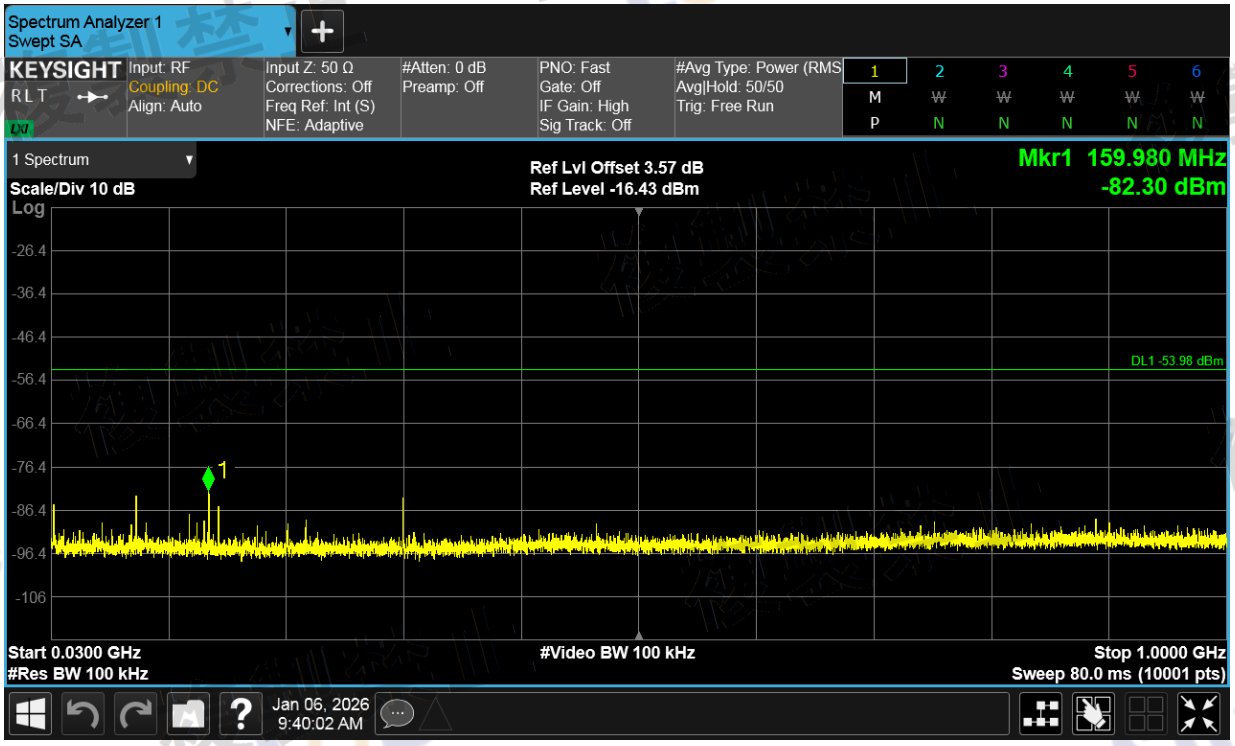
Rx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 30MHz-1000MHz



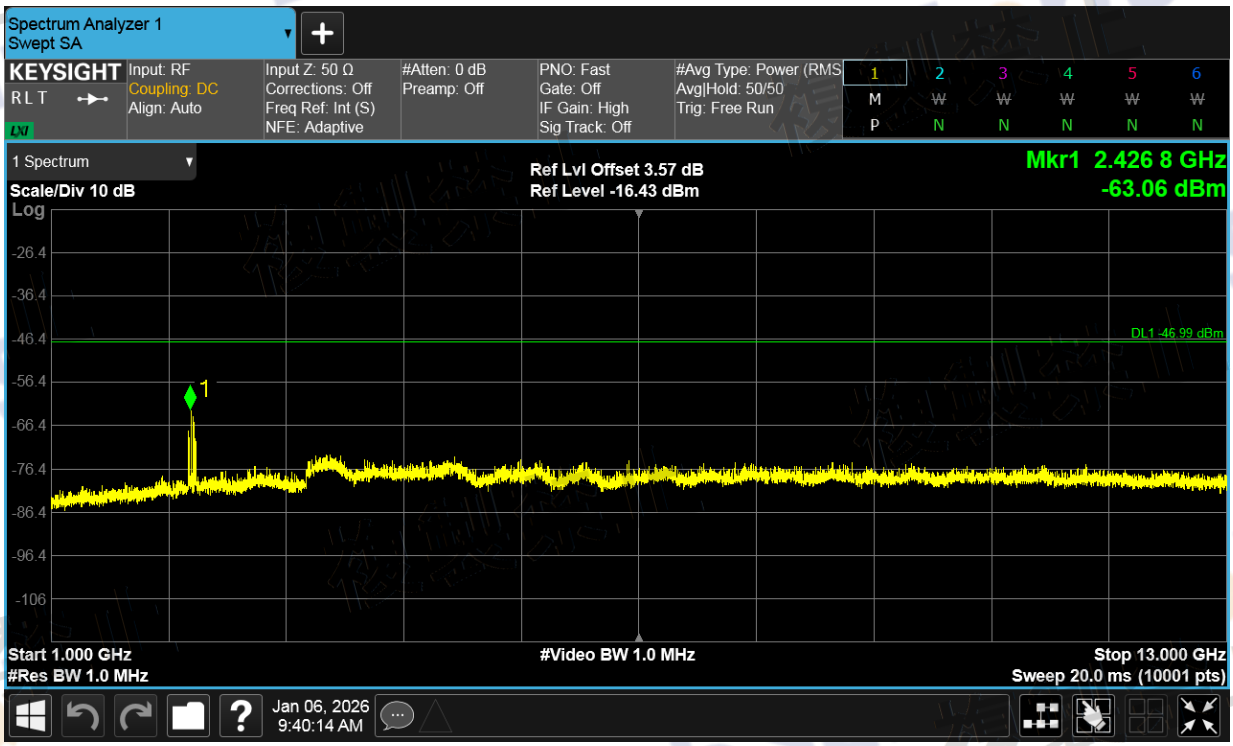
Rx. Spurious NVNT BLE 2M 2402MHz Ant1 @ 1000MHz-13000MHz



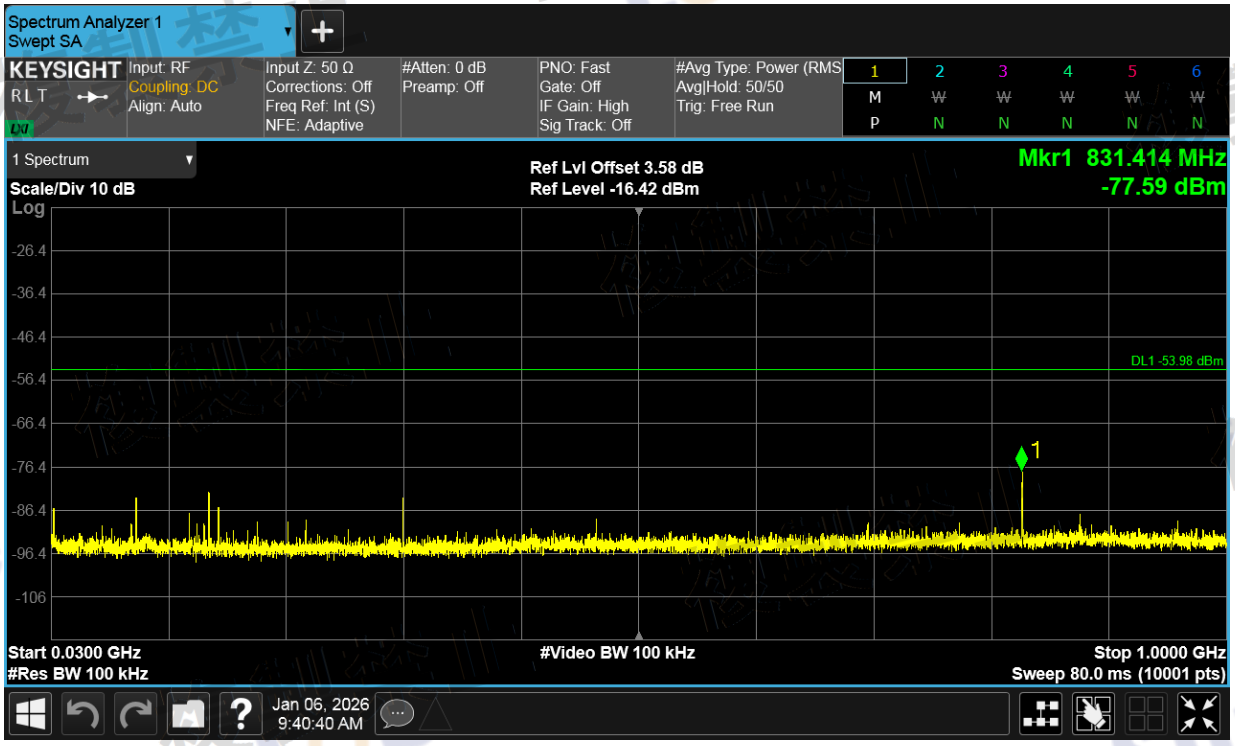
Rx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 30MHz-1000MHz



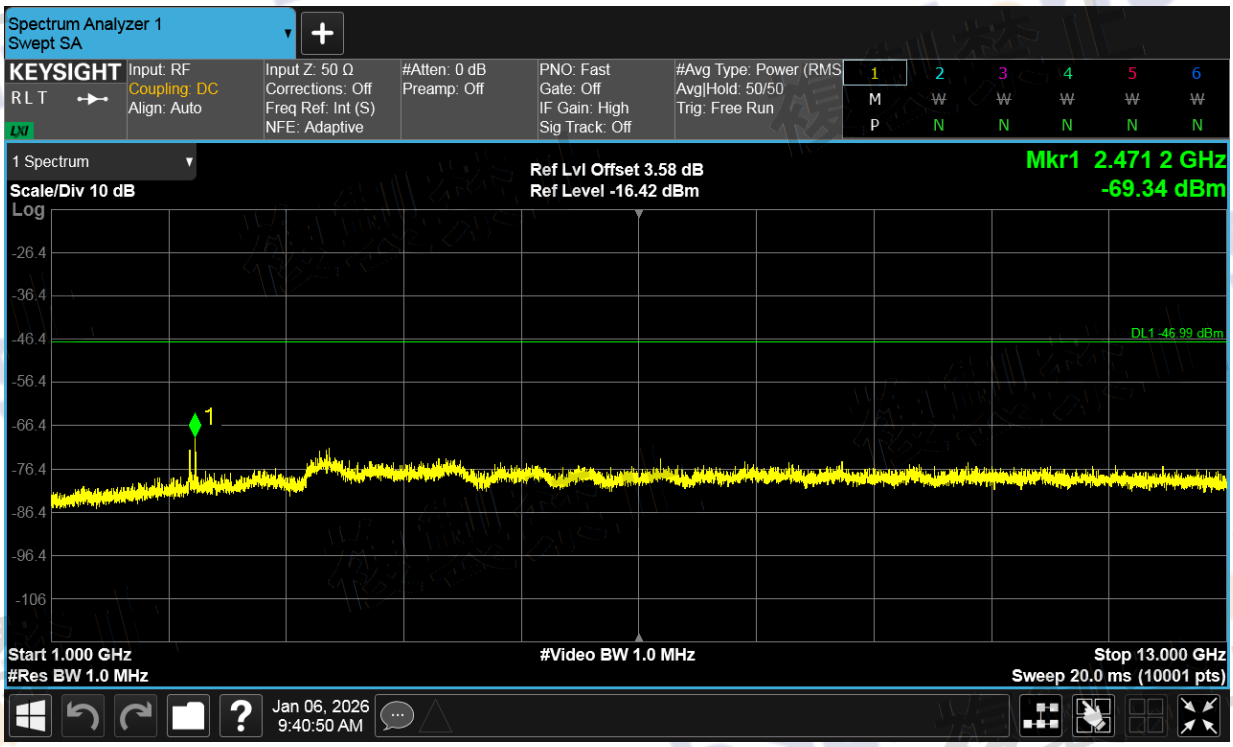
Rx. Spurious NVNT BLE 2M 2440MHz Ant1 @ 1000MHz-13000MHz



Rx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 30MHz-1000MHz



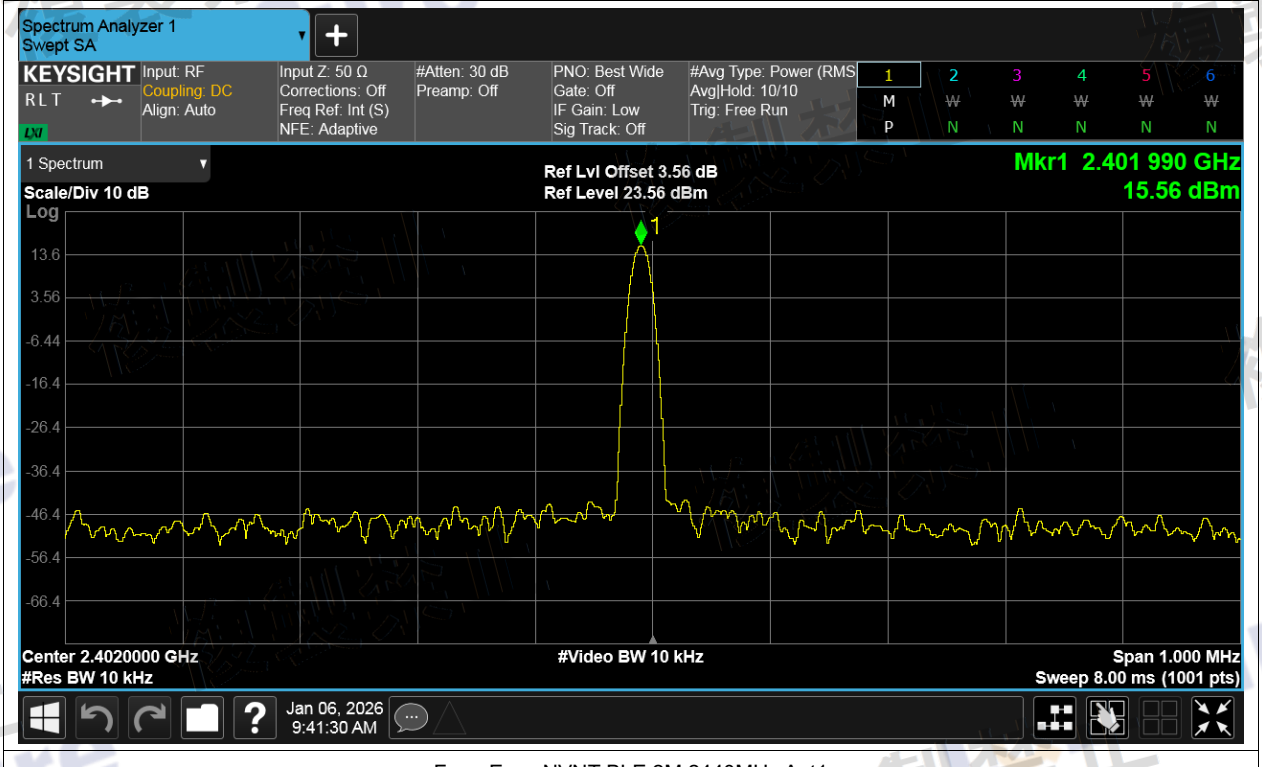
Rx. Spurious NVNT BLE 2M 2480MHz Ant1 @ 1000MHz-13000MHz



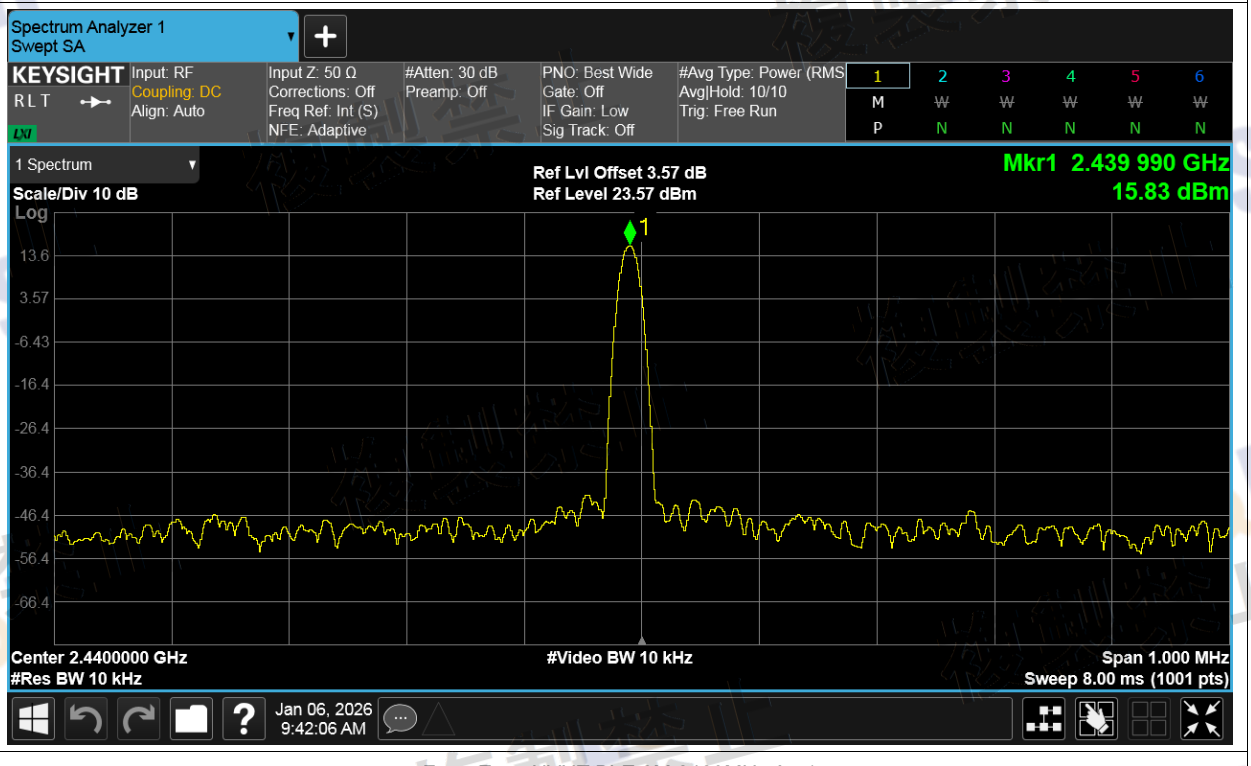
Frequency Tolerance

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	BLE 2M	2402	Ant1	2401.99	-10000	-4.16	50	Pass
NVNT	BLE 2M	2440	Ant1	2439.99	-10000	-4.1	50	Pass
NVNT	BLE 2M	2480	Ant1	2479.989	-11000	-4.44	50	Pass

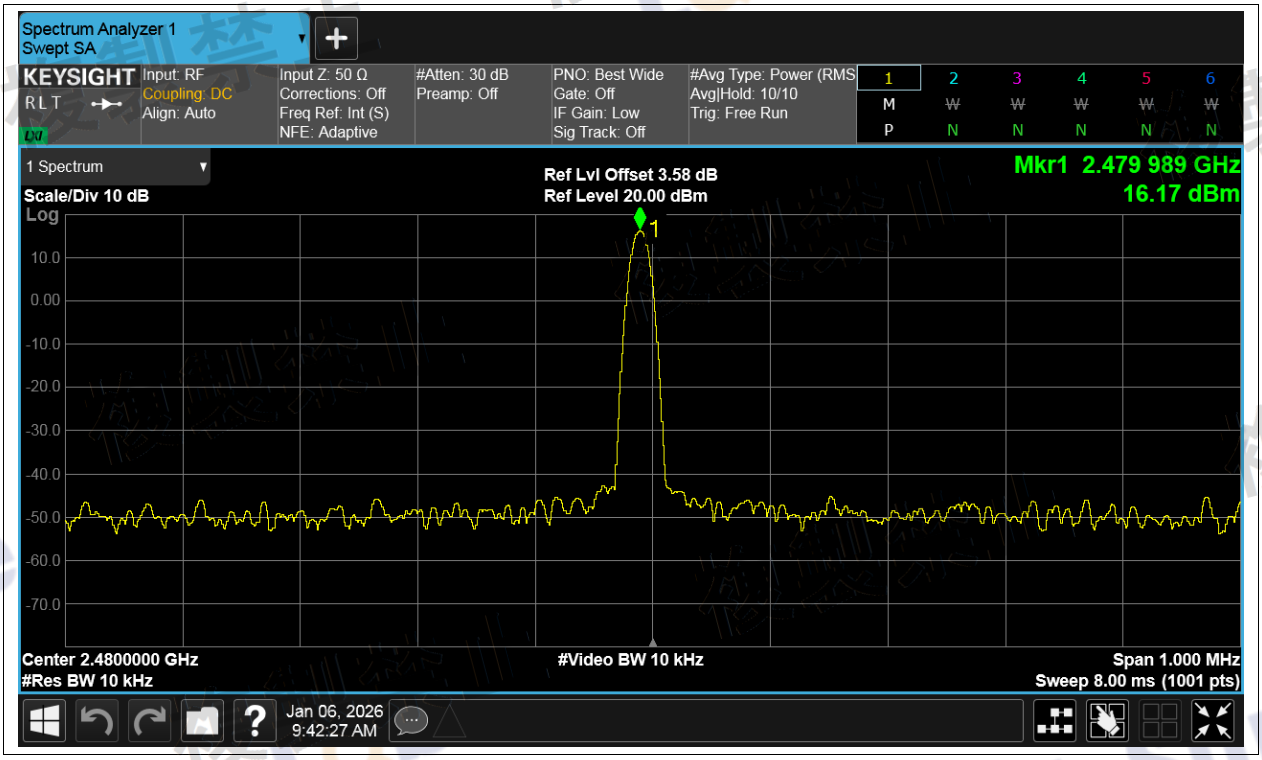
Test Graphs
Freq. Error NVNT BLE 2M 2402MHz Ant1



Freq. Error NVNT BLE 2M 2440MHz Ant1



Freq. Error NVNT BLE 2M 2480MHz Ant1


Spectrum Analyzer 1
Swept SA
KEYSIGHT
RLT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 30 dB
Preamp: Off
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
#Avg Type: Power (RMS
Avg|Hold: 10/10
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 3.58 dB
Ref Level 20.00 dBm
Mkr1 2.479 989 GHz
16.17 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.4800000 GHz
#Res BW 10 kHz
#Video BW 10 kHz
Span 1.000 MHz
Sweep 8.00 ms (1001 pts)
Jan 06, 2026
9:42:27 AM