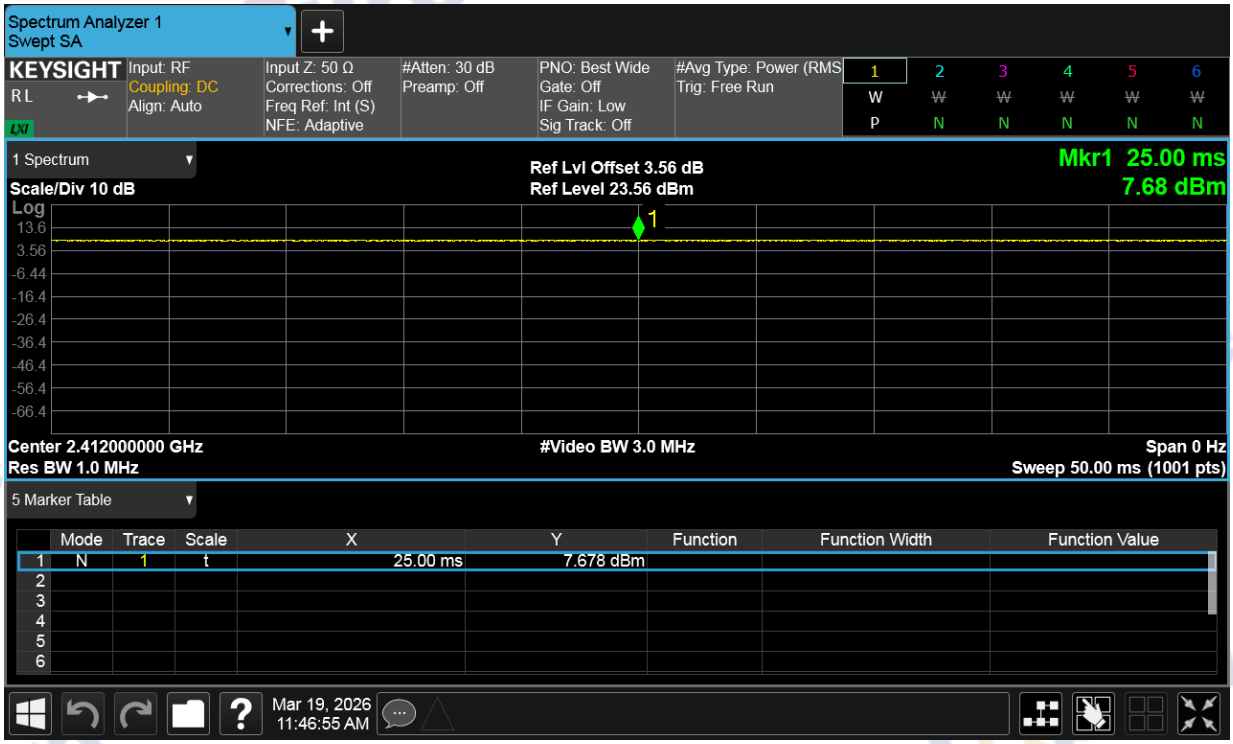
Duty Cycle

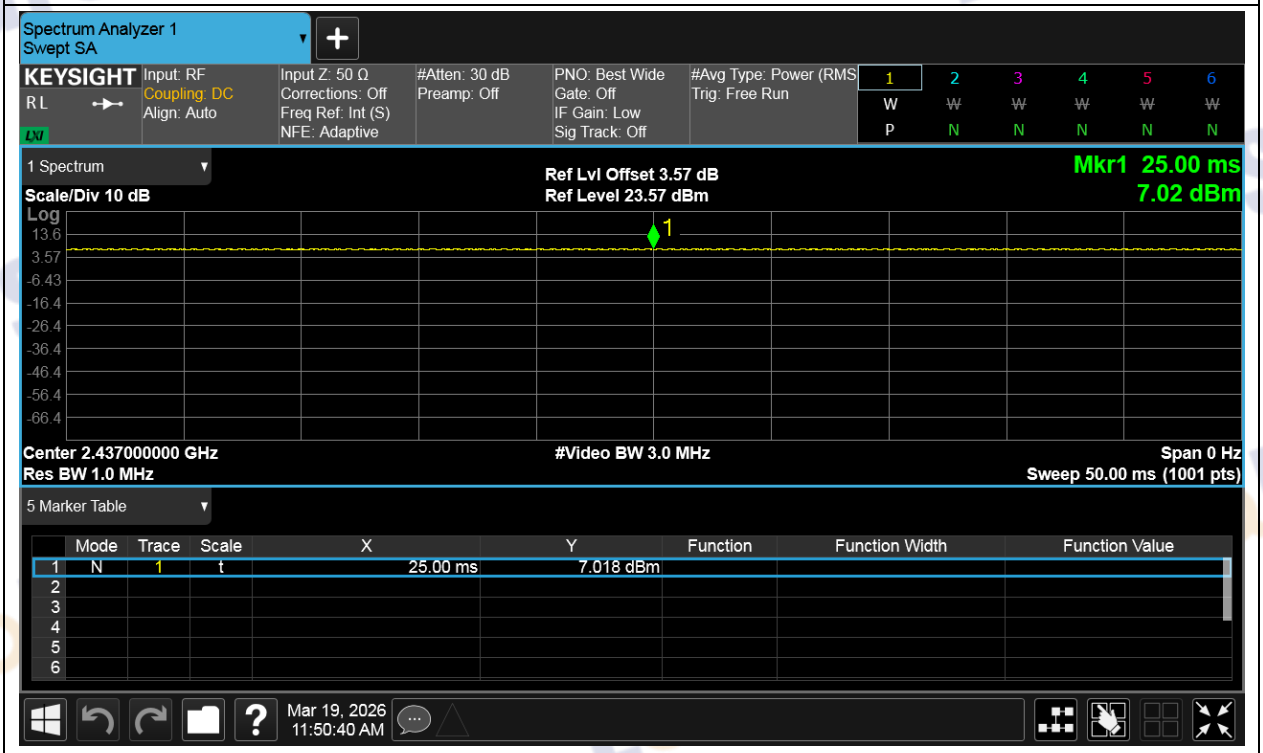
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	Burst Length (ms)
NVNT	b	2412	Ant1	100	0	0
NVNT	b	2437	Ant1	100	0	0
NVNT	b	2462	Ant1	100	0	0
NVNT	g	2412	Ant1	100	0	0
NVNT	g	2437	Ant1	100	0	0
NVNT	g	2462	Ant1	100	0	0
NVNT	n20	2412	Ant1	100	0	0
NVNT	n20	2437	Ant1	100	0	0
NVNT	n20	2462	Ant1	100	0	0

Test Graphs

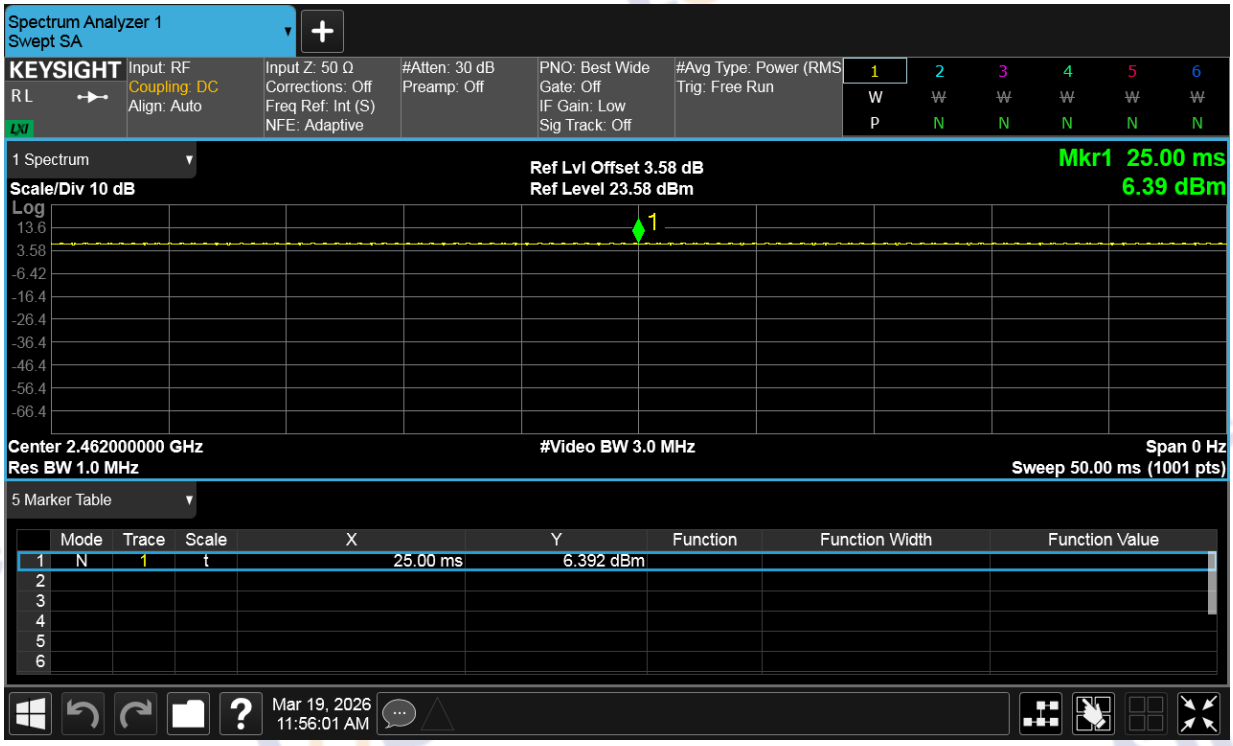
Duty Cycle NVNT b 2412MHz Ant1



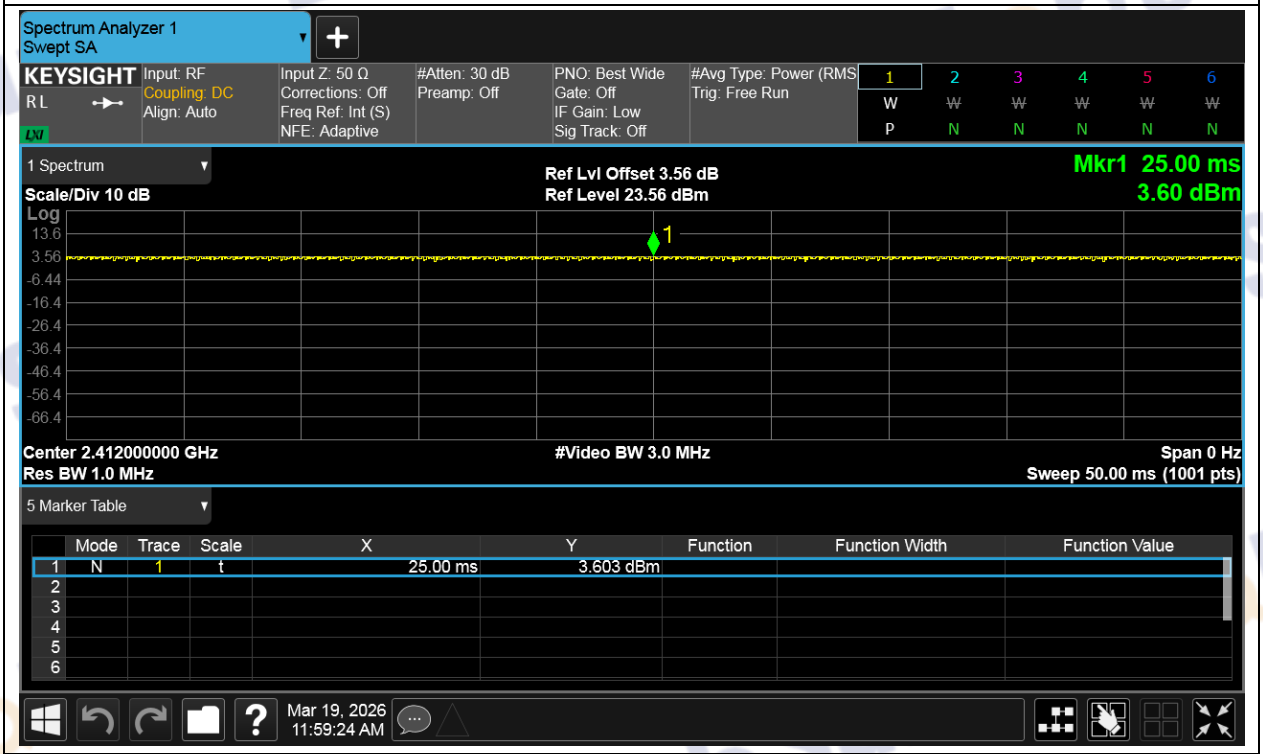
Duty Cycle NVNT b 2437MHz Ant1



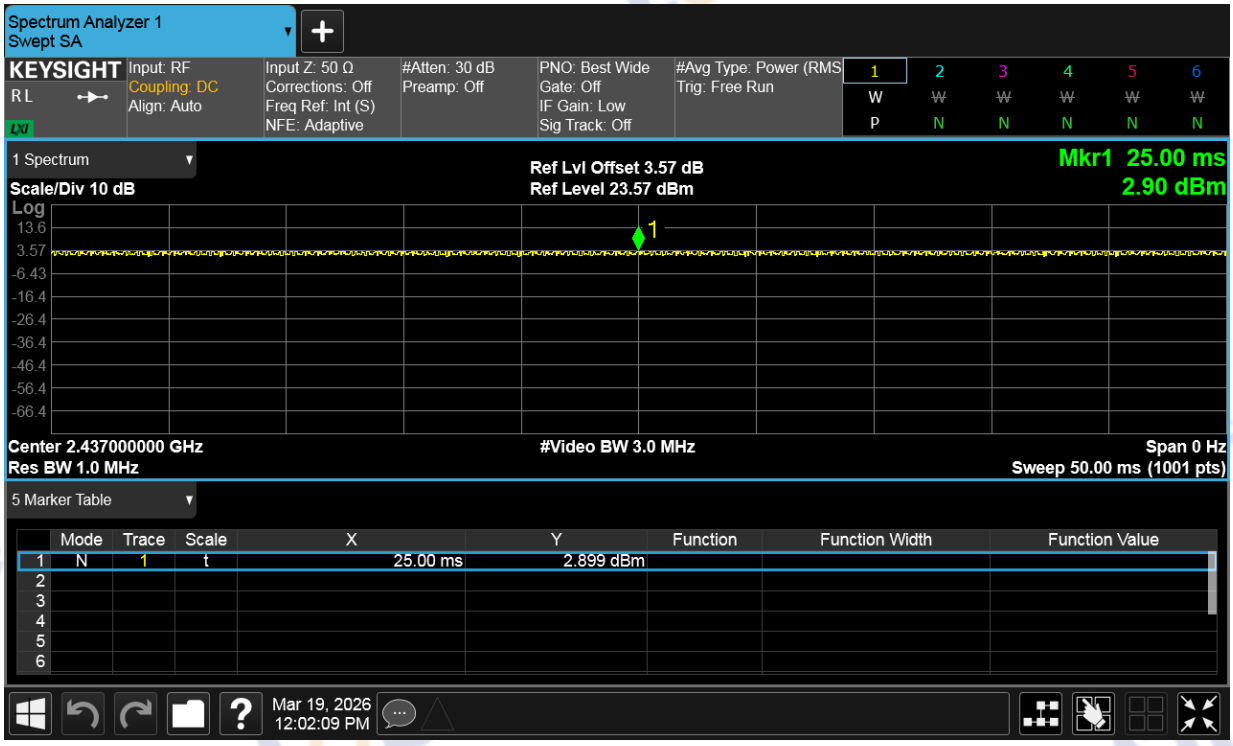
Duty Cycle NVNT b 2462MHz Ant1



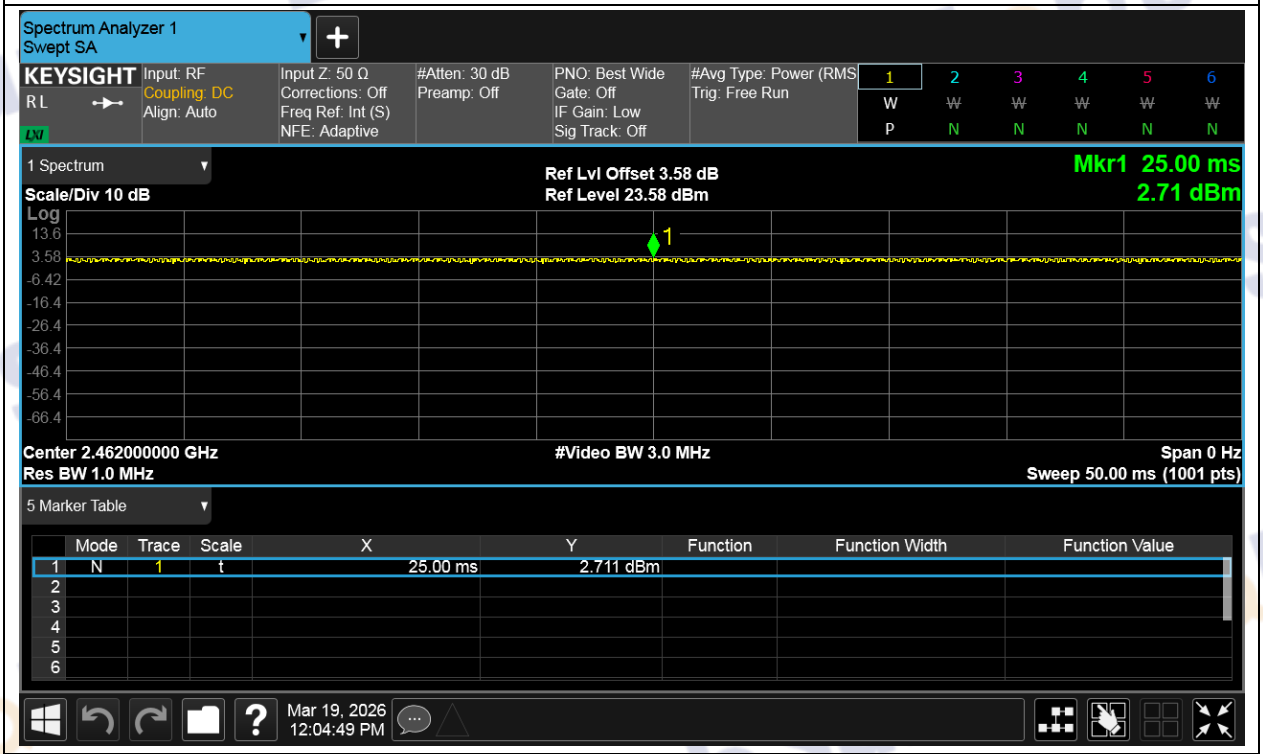
Duty Cycle NVNT g 2412MHz Ant1



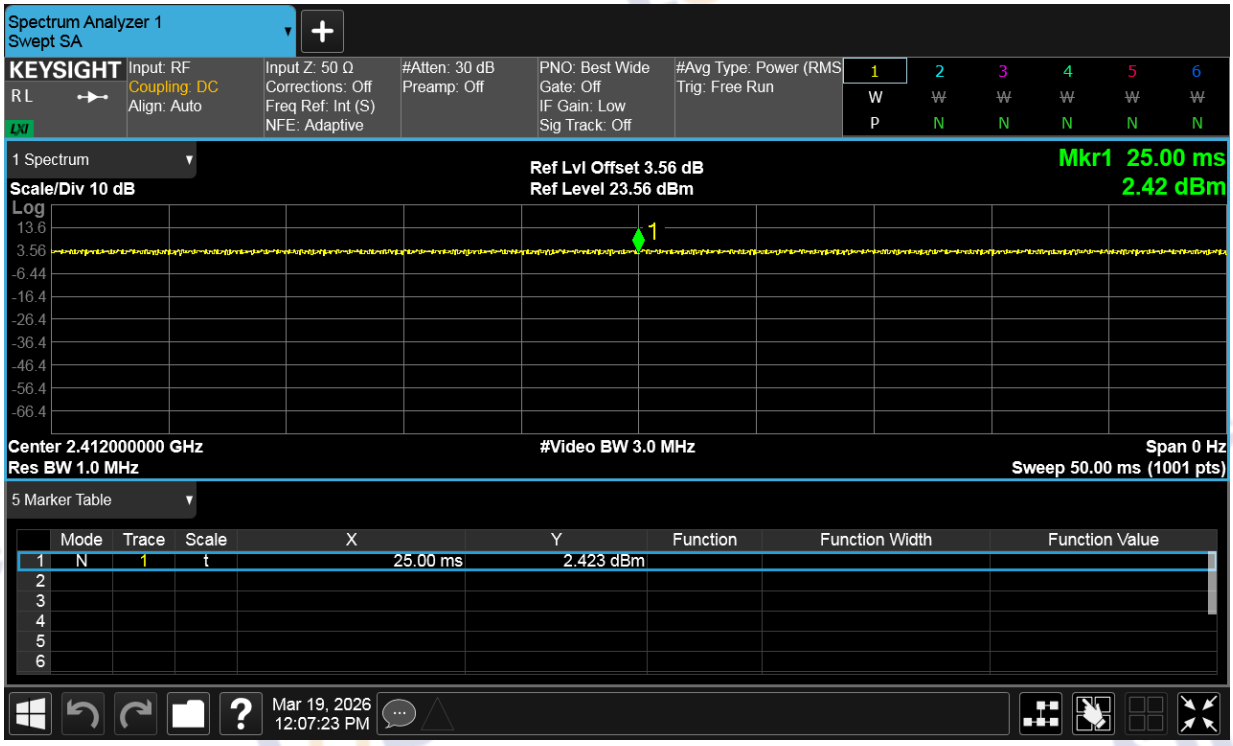
Duty Cycle NVNT g 2437MHz Ant1



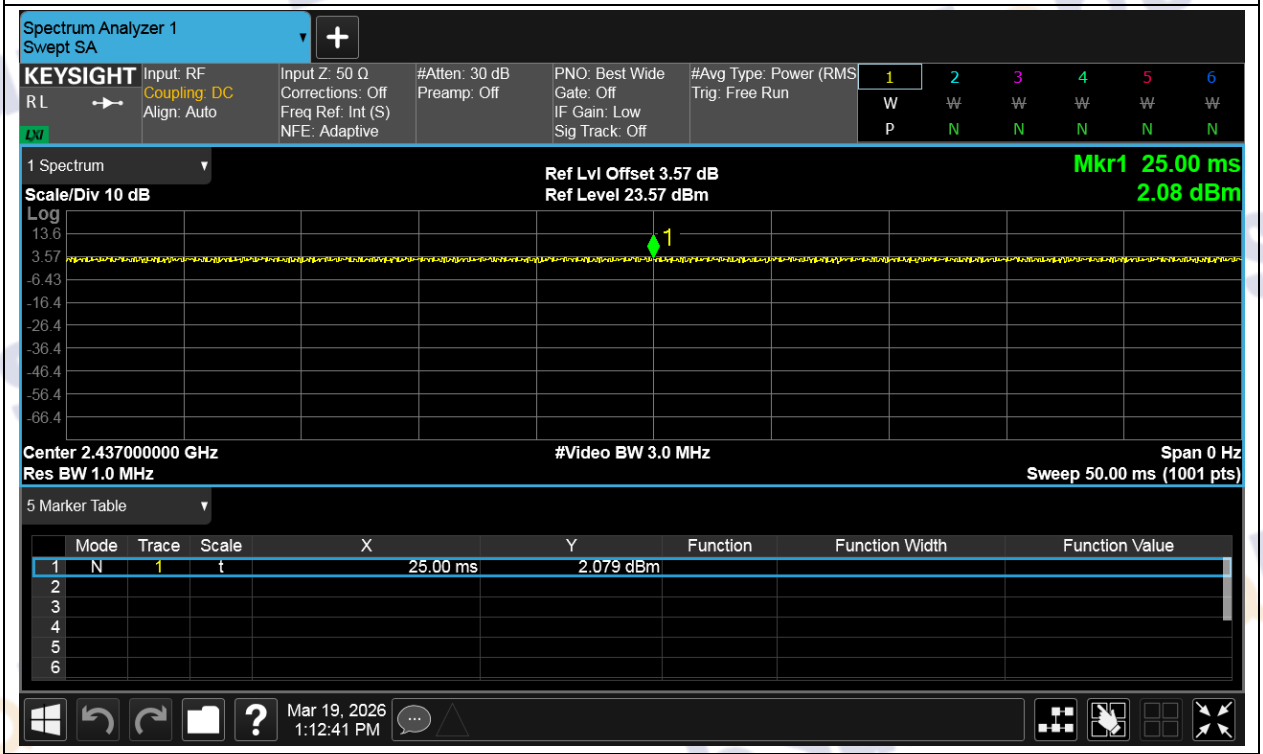
Duty Cycle NVNT g 2462MHz Ant1



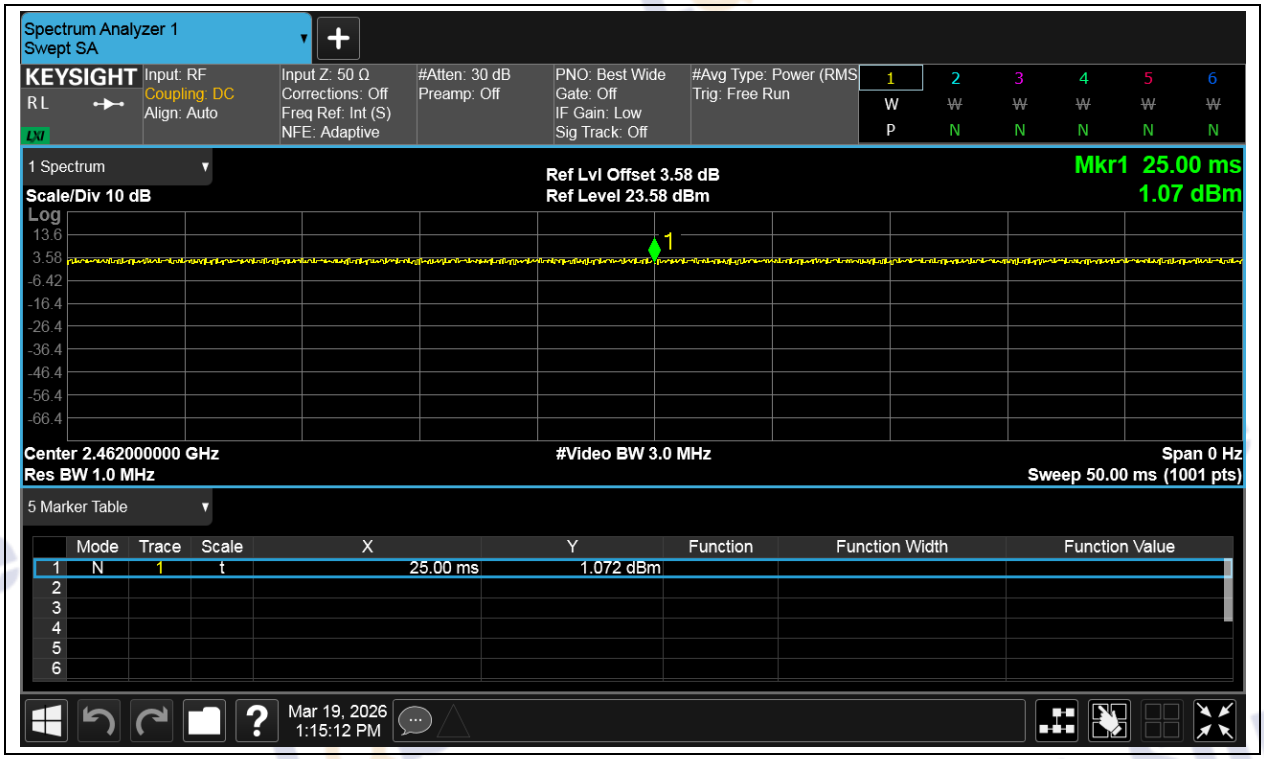
Duty Cycle NVNT n20 2412MHz Ant1



Duty Cycle NVNT n20 2437MHz Ant1



Duty Cycle NVNT n20 2462MHz Ant1


Spectrum Analyzer 1
Swept SA
KEYSIGHT
RL
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
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
13.6
3.58
-6.42
-16.4
-26.4
-36.4
-46.4
-56.4
-66.4
Ref Lvl Offset 3.58 dB
Ref Level 23.58 dBm
Mkr1 25.00 ms
1.07 dBm
Center 2.462000000 GHz
Res BW 1.0 MHz
#Video BW 3.0 MHz
Span 0 Hz
Sweep 50.00 ms (1001 pts)
5 Marker Table
Mode Trace Scale X Y Function Function Width Function Value
1 N 1 t 25.00 ms 1.072 dBm
Mar 19, 2026
1:15:12 PM

Maximum Peak Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	15.69	0	15.69	30	Pass
NVNT	b	2437	Ant1	14.8	0	14.8	30	Pass
NVNT	b	2462	Ant1	14.16	0	14.16	30	Pass
NVNT	g	2412	Ant1	15.69	0	15.69	30	Pass
NVNT	g	2437	Ant1	15.09	0	15.09	30	Pass
NVNT	g	2462	Ant1	14.75	0	14.75	30	Pass
NVNT	n20	2412	Ant1	16.05	0	16.05	30	Pass
NVNT	n20	2437	Ant1	15.26	0	15.26	30	Pass
NVNT	n20	2462	Ant1	15.03	0	15.03	30	Pass

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.052	0.5	Pass
NVNT	b	2437	Ant1	9.055	0.5	Pass
NVNT	b	2462	Ant1	9.059	0.5	Pass
NVNT	g	2412	Ant1	16.56	0.5	Pass
NVNT	g	2437	Ant1	16.56	0.5	Pass
NVNT	g	2462	Ant1	16.56	0.5	Pass
NVNT	n20	2412	Ant1	17.76	0.5	Pass
NVNT	n20	2437	Ant1	17.76	0.5	Pass
NVNT	n20	2462	Ant1	17.76	0.5	Pass

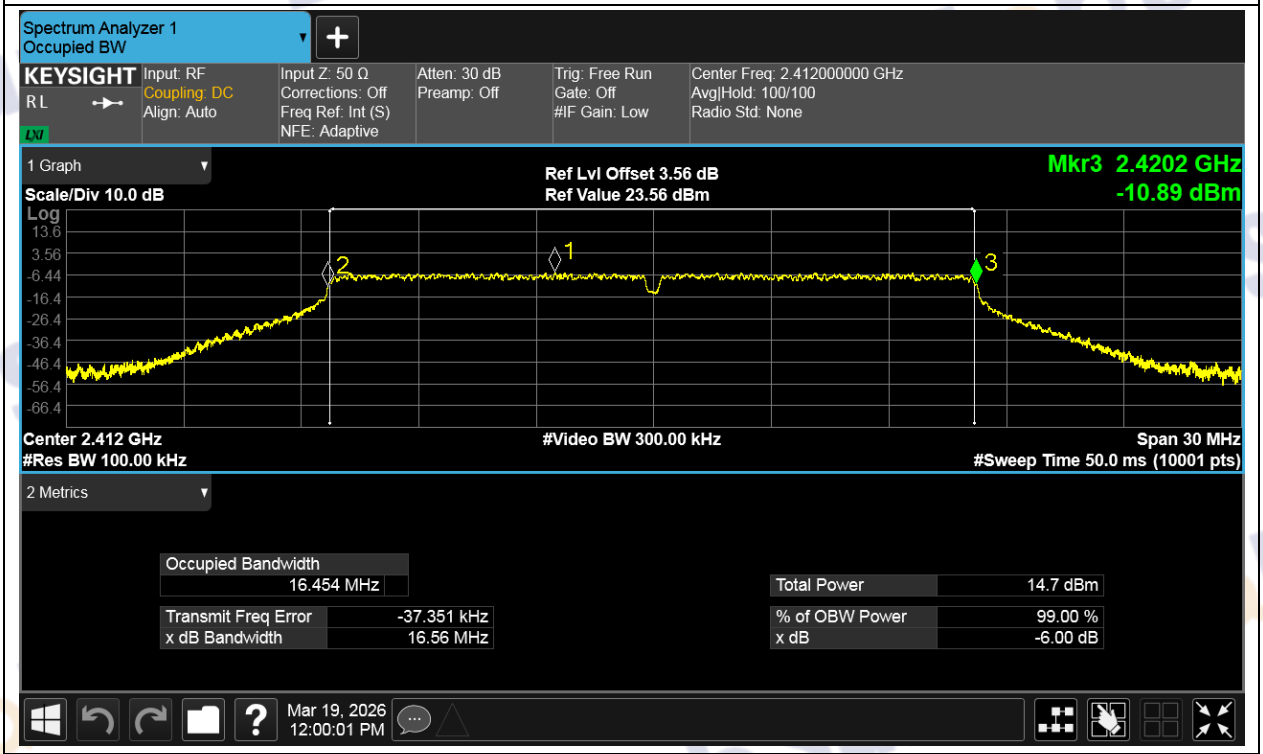
Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1

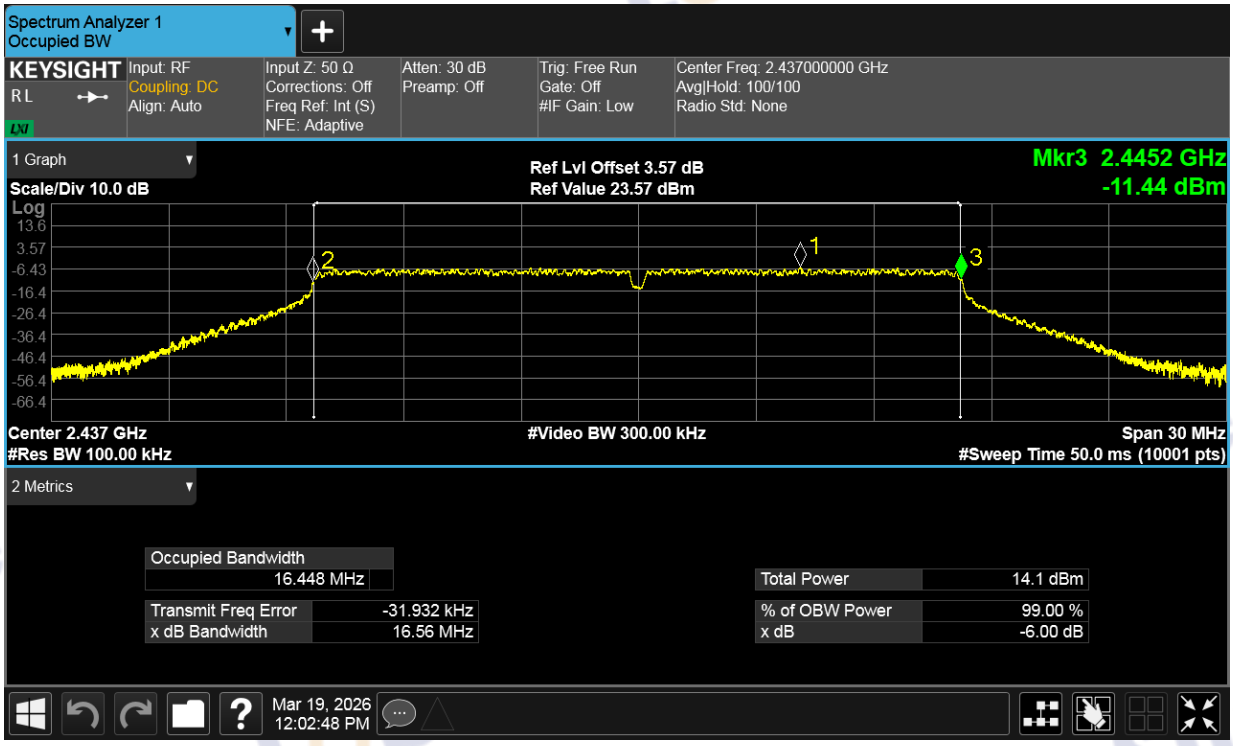
-6dB Bandwidth NVNT b 2437MHz Ant1

-6dB Bandwidth NVNT b 2462MHz Ant1

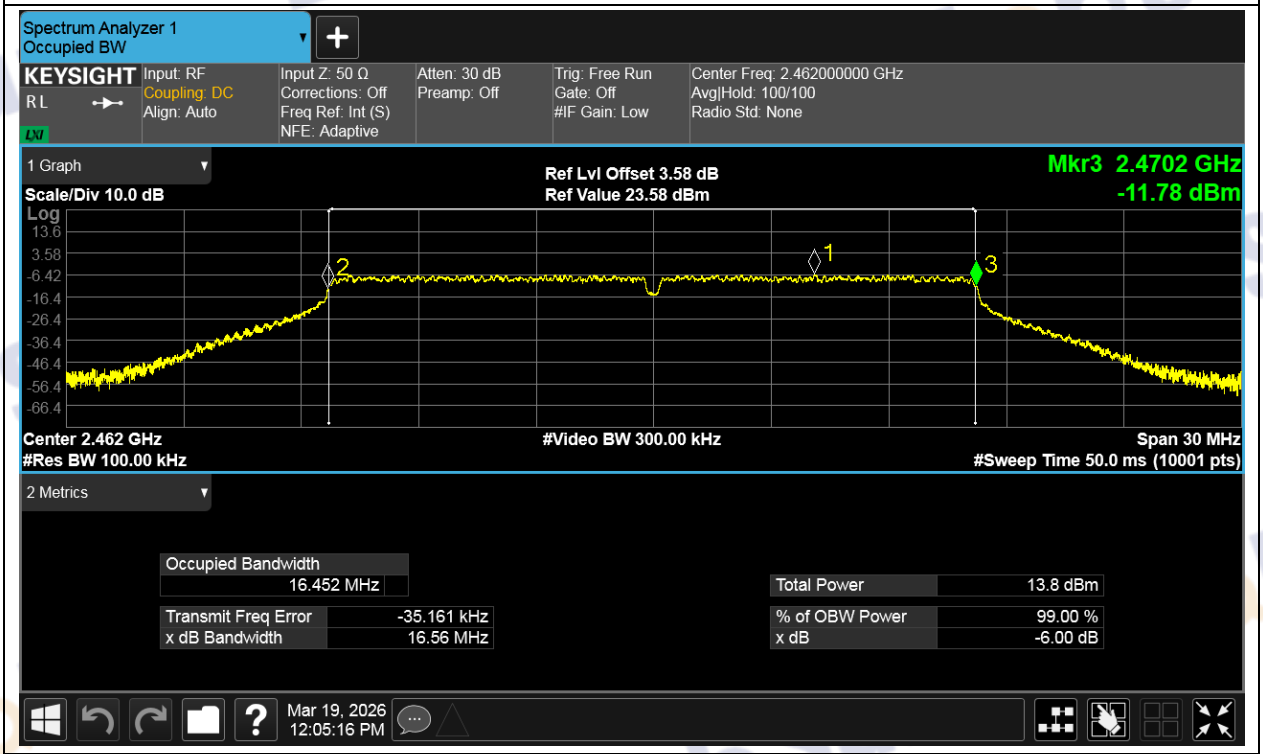
-6dB Bandwidth NVNT g 2412MHz Ant1



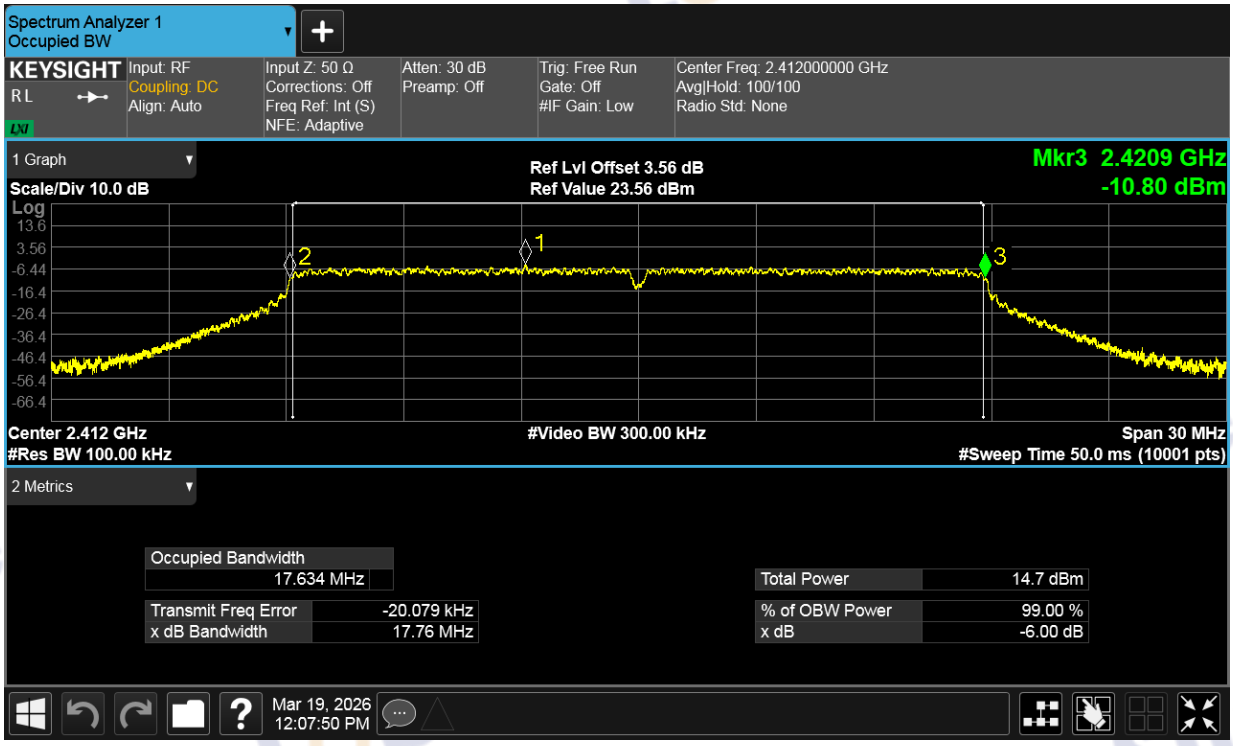
-6dB Bandwidth NVNT g 2437MHz Ant1



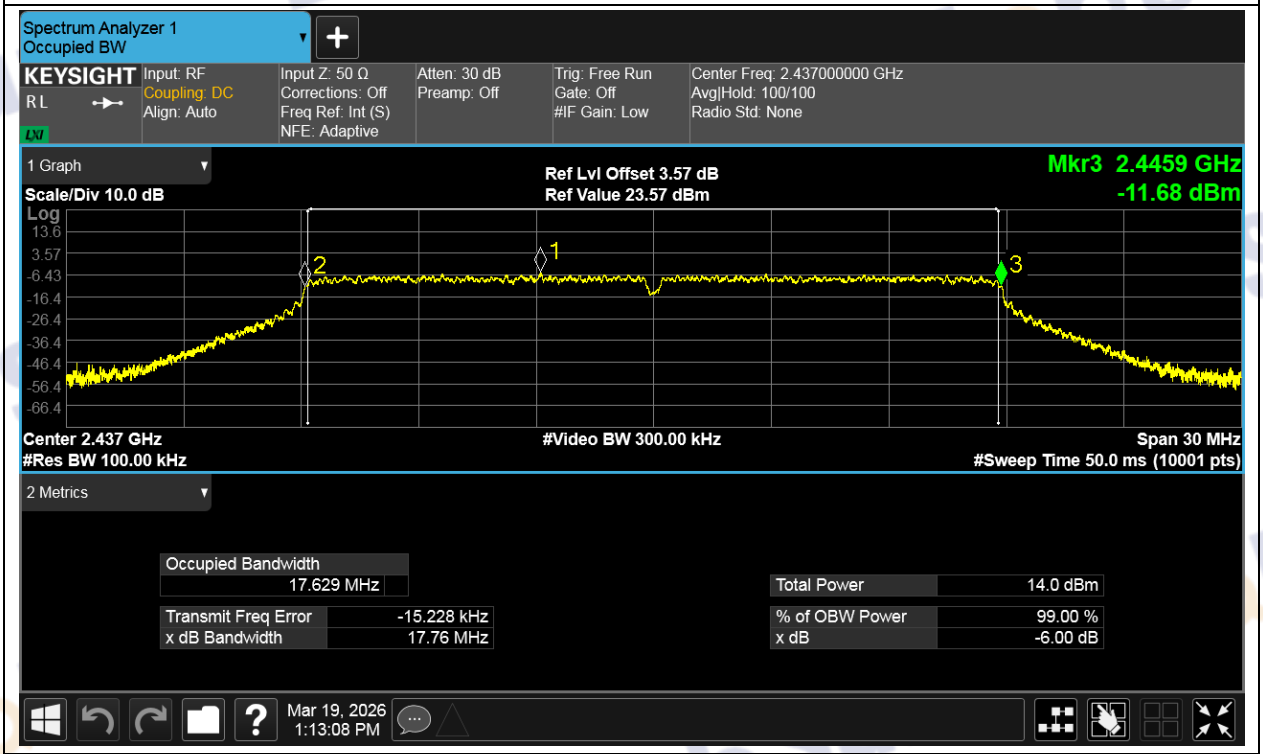
-6dB Bandwidth NVNT g 2462MHz Ant1



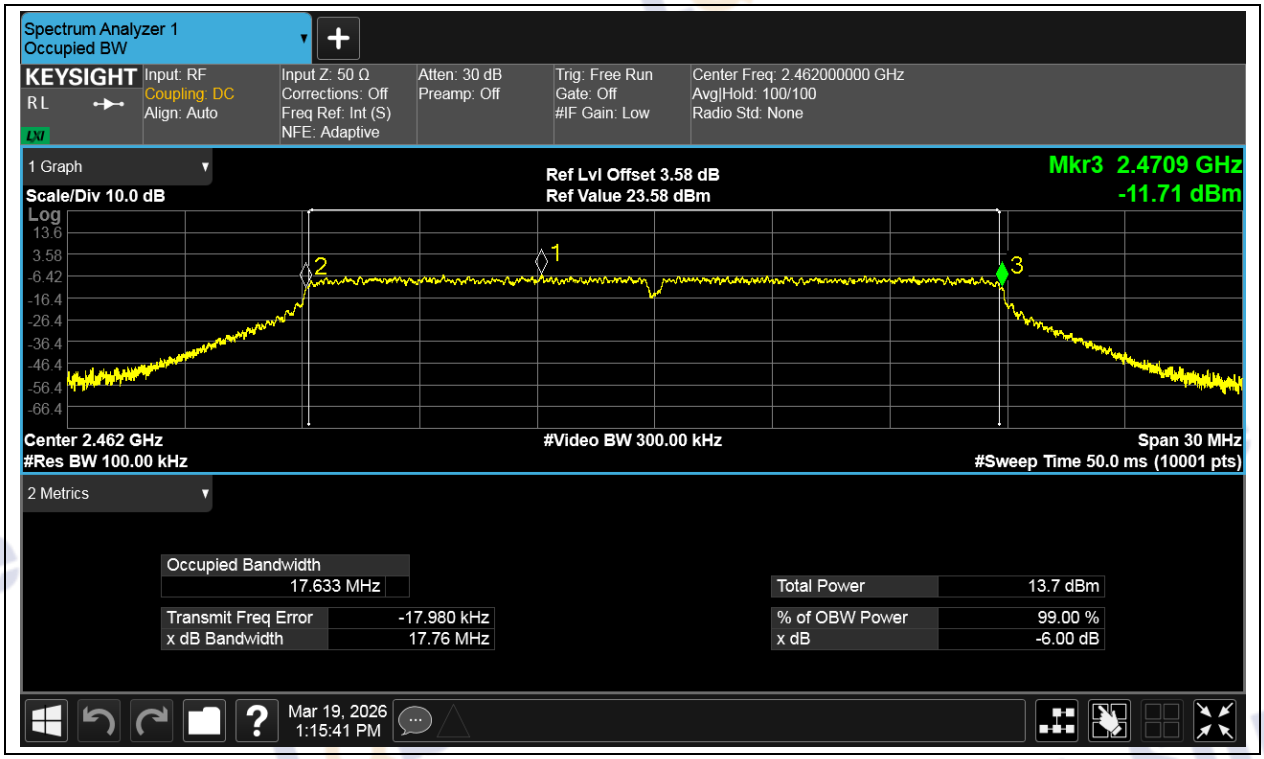
-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2437MHz Ant1



-6dB Bandwidth NVNT n20 2462MHz Ant1


Spectrum Analyzer 1
Occupied BW
KEYSIGHT
RL
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
Atten: 30 dB
Preamp: Off
Trig: Free Run
Gate: Off
#IF Gain: Low
Center Freq: 2.462000000 GHz
Avg|Hold: 100/100
Radio Std: None
1 Graph
Ref Lvl Offset 3.58 dB
Ref Value 23.58 dBm
Mkr3 2.4709 GHz
-11.71 dBm
Scale/Div 10.0 dB
Log
13.6
3.58
-6.42
-16.4
-26.4
-36.4
-46.4
-56.4
-66.4
Center 2.462 GHz
#Res BW 100.00 kHz
#Video BW 300.00 kHz
Span 30 MHz
#Sweep Time 50.0 ms (10001 pts)
2 Metrics
Occupied Bandwidth
17.633 MHz
Transmit Freq Error -17.980 kHz
x dB Bandwidth 17.76 MHz
Total Power 13.7 dBm
% of OBW Power 99.00 %
x dB -6.00 dB
Mar 19, 2026
1:15:41 PM

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	13.402
NVNT	b	2437	Ant1	13.338
NVNT	b	2462	Ant1	13.344
NVNT	g	2412	Ant1	16.587
NVNT	g	2437	Ant1	16.583
NVNT	g	2462	Ant1	16.589
NVNT	n20	2412	Ant1	17.713
NVNT	n20	2437	Ant1	17.708
NVNT	n20	2462	Ant1	17.71

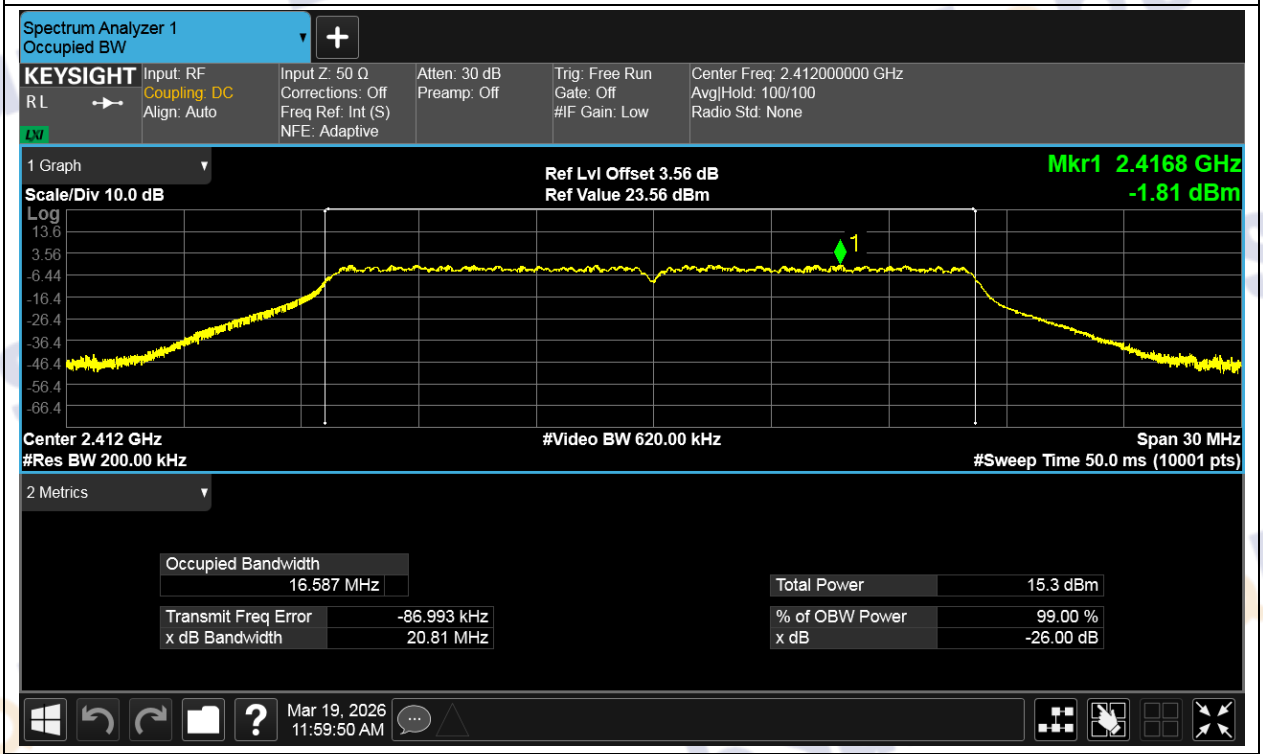
Test Graphs

OBW NVNT b 2412MHz Ant1

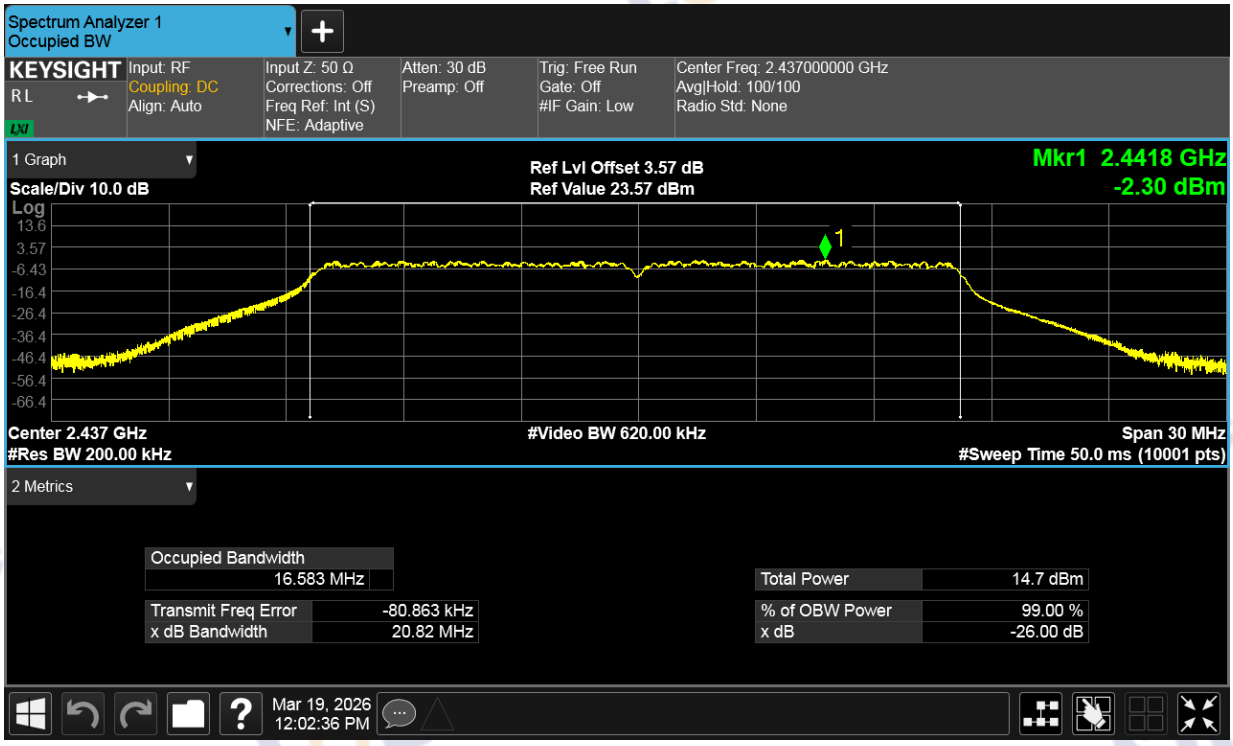
OBW NVNT b 2437MHz Ant1

OBW NVNT b 2462MHz Ant1

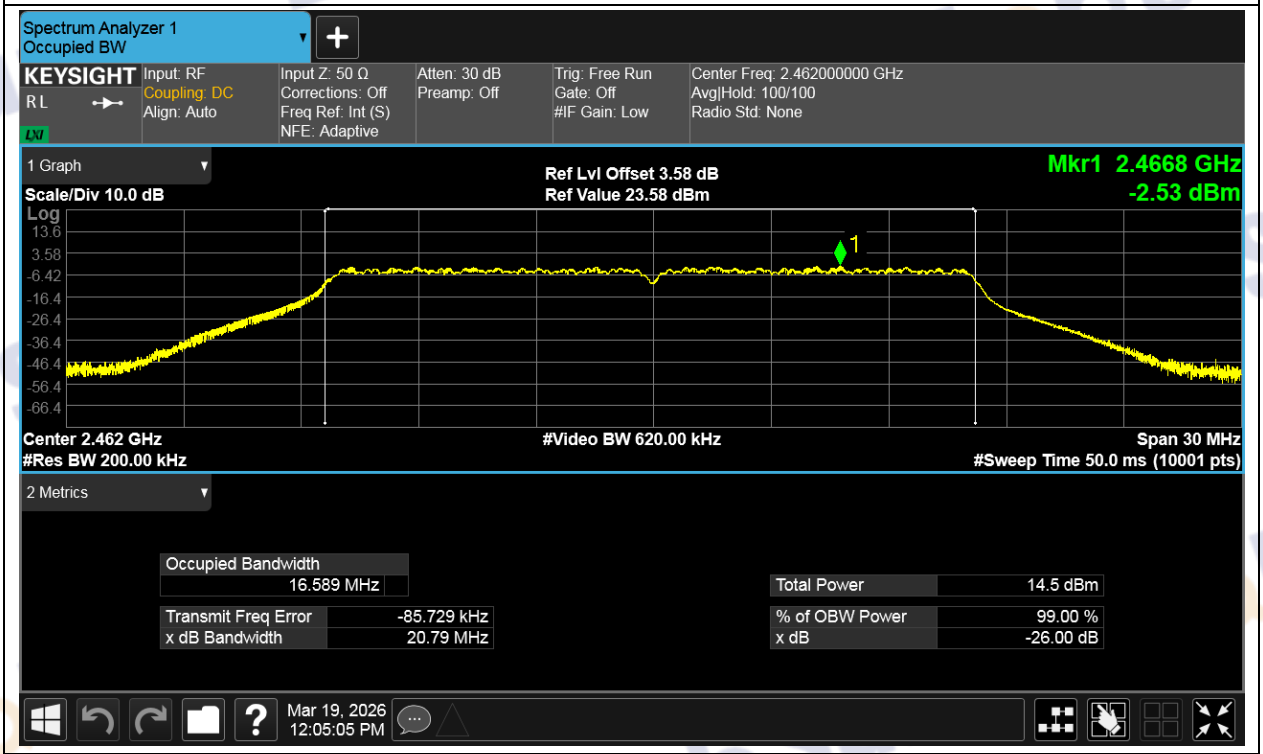
OBW NVNT g 2412MHz Ant1



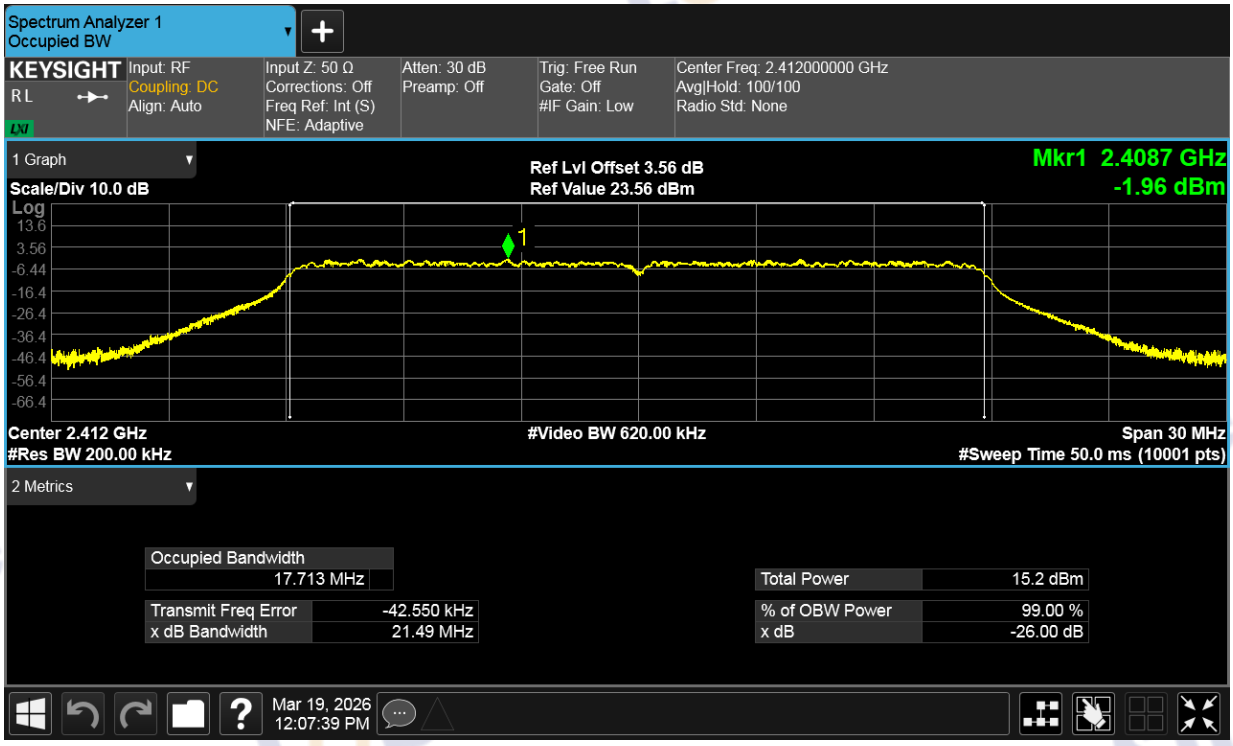
OBW NVNT g 2437MHz Ant1



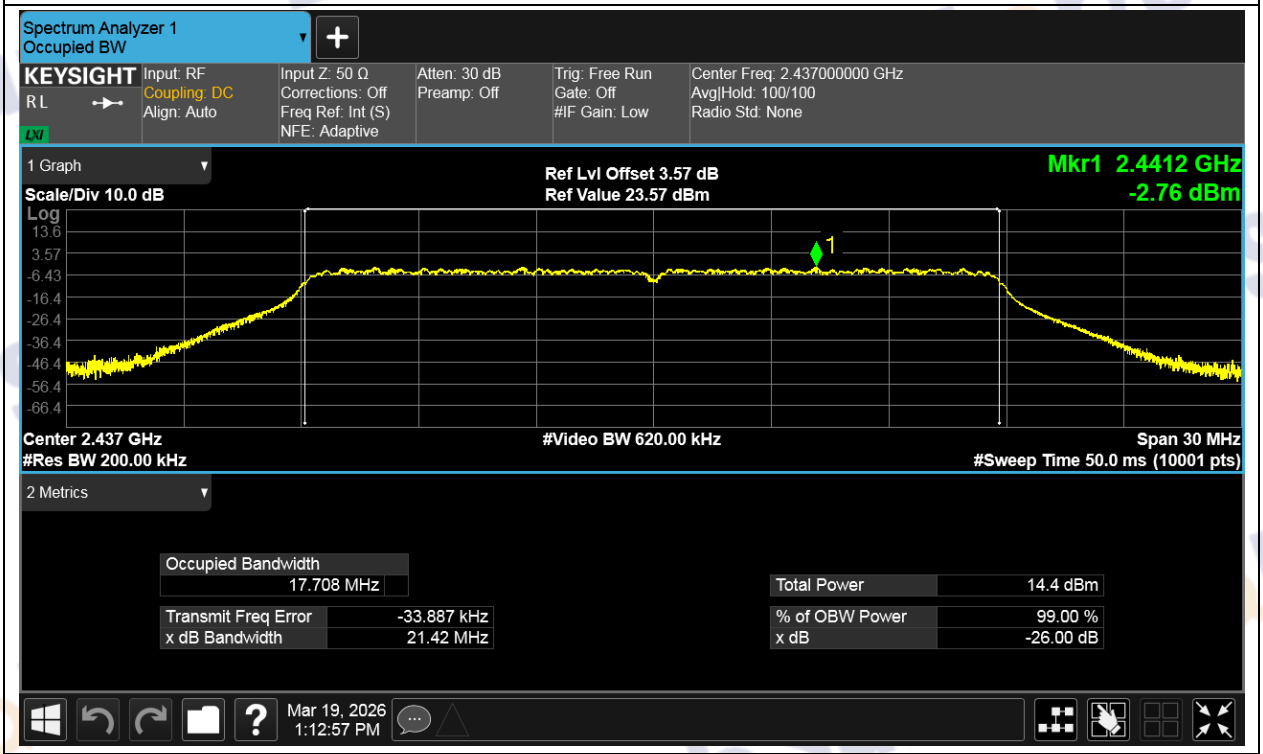
OBW NVNT g 2462MHz Ant1



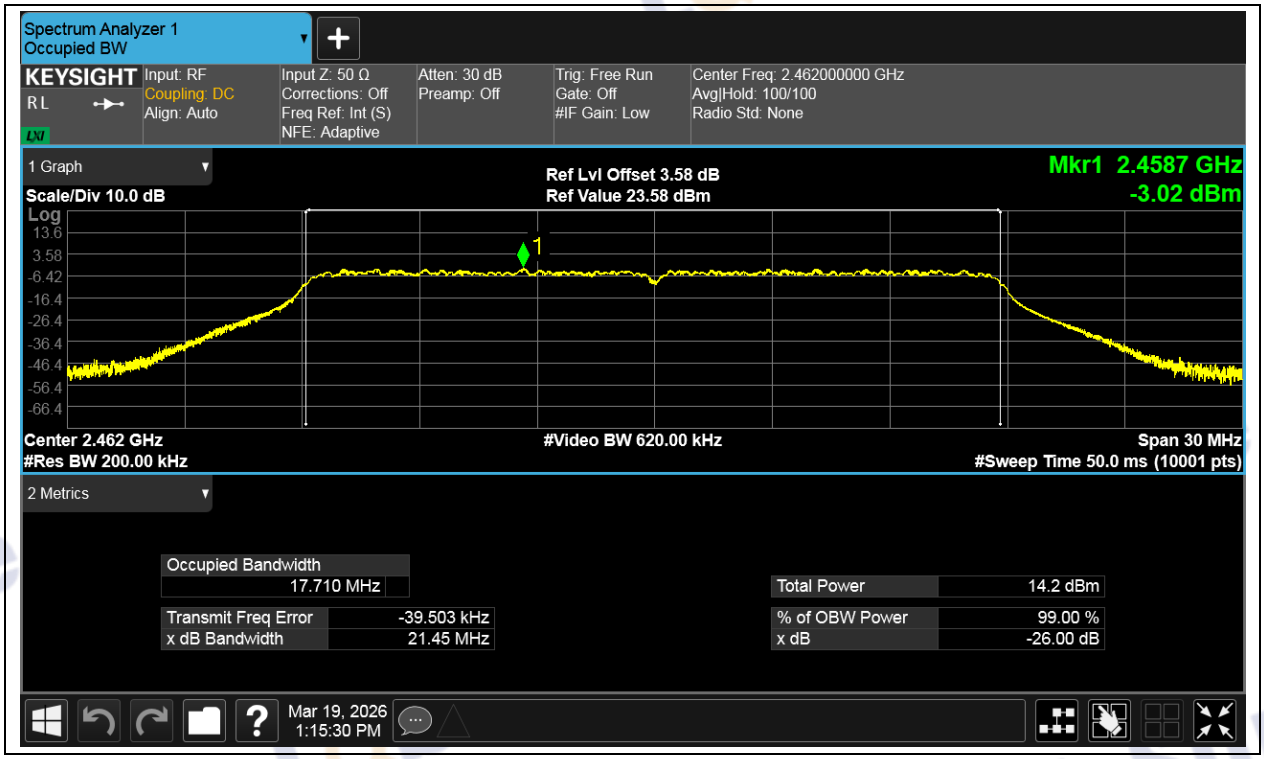
OBW NVNT n20 2412MHz Ant1



OBW NVNT n20 2437MHz Ant1



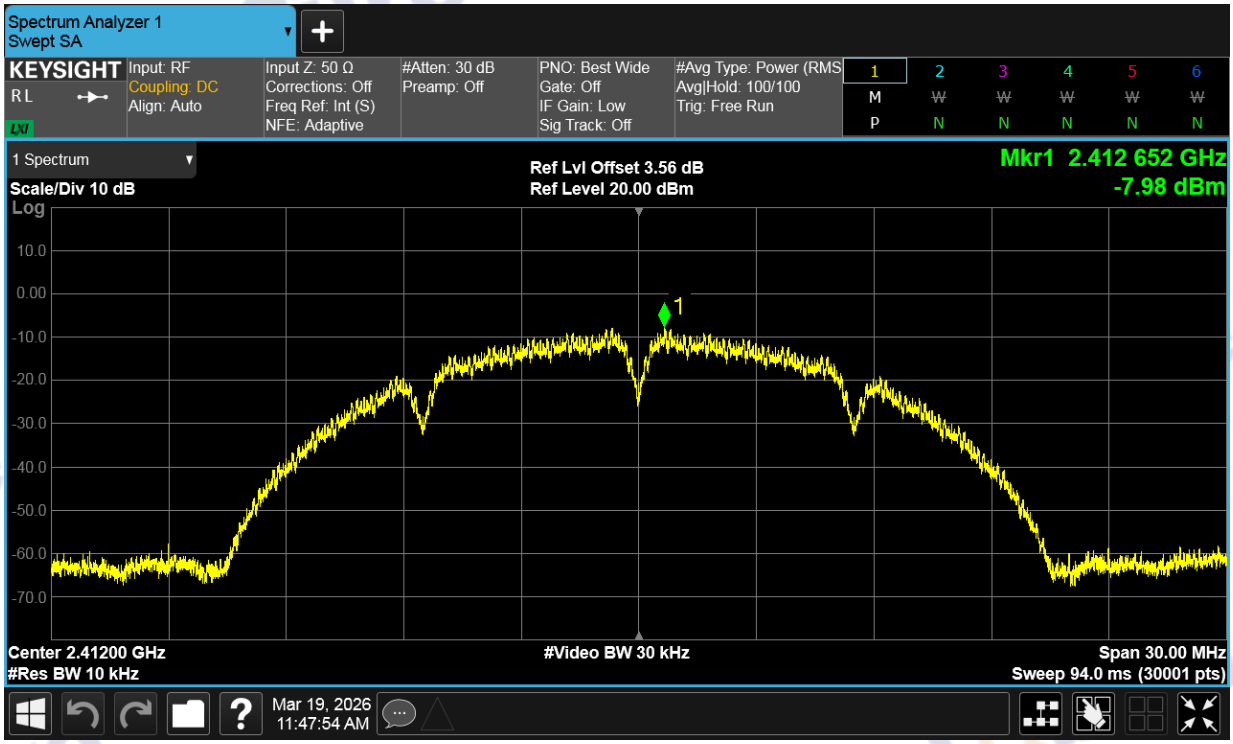
OBW NVNT n20 2462MHz Ant1


Spectrum Analyzer 1
Occupied BW
KEYSIGHT
RL
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
Atten: 30 dB
Preamp: Off
Trig: Free Run
Gate: Off
#IF Gain: Low
Center Freq: 2.462000000 GHz
Avg|Hold: 100/100
Radio Std: None
1 Graph
Scale/Div 10.0 dB
Ref Lvl Offset 3.58 dB
Ref Value 23.58 dBm
Mkr1 2.4587 GHz
-3.02 dBm
Log
13.6
3.58
-6.42
-16.4
-26.4
-36.4
-46.4
-56.4
-66.4
Center 2.462 GHz
#Res BW 200.00 kHz
#Video BW 620.00 kHz
Span 30 MHz
#Sweep Time 50.0 ms (10001 pts)
2 Metrics
Occupied Bandwidth
17.710 MHz
Transmit Freq Error
-39.503 kHz
x dB Bandwidth
21.45 MHz
Total Power
14.2 dBm
% of OBW Power
99.00 %
x dB
-26.00 dB
Mar 19, 2026
1:15:30 PM

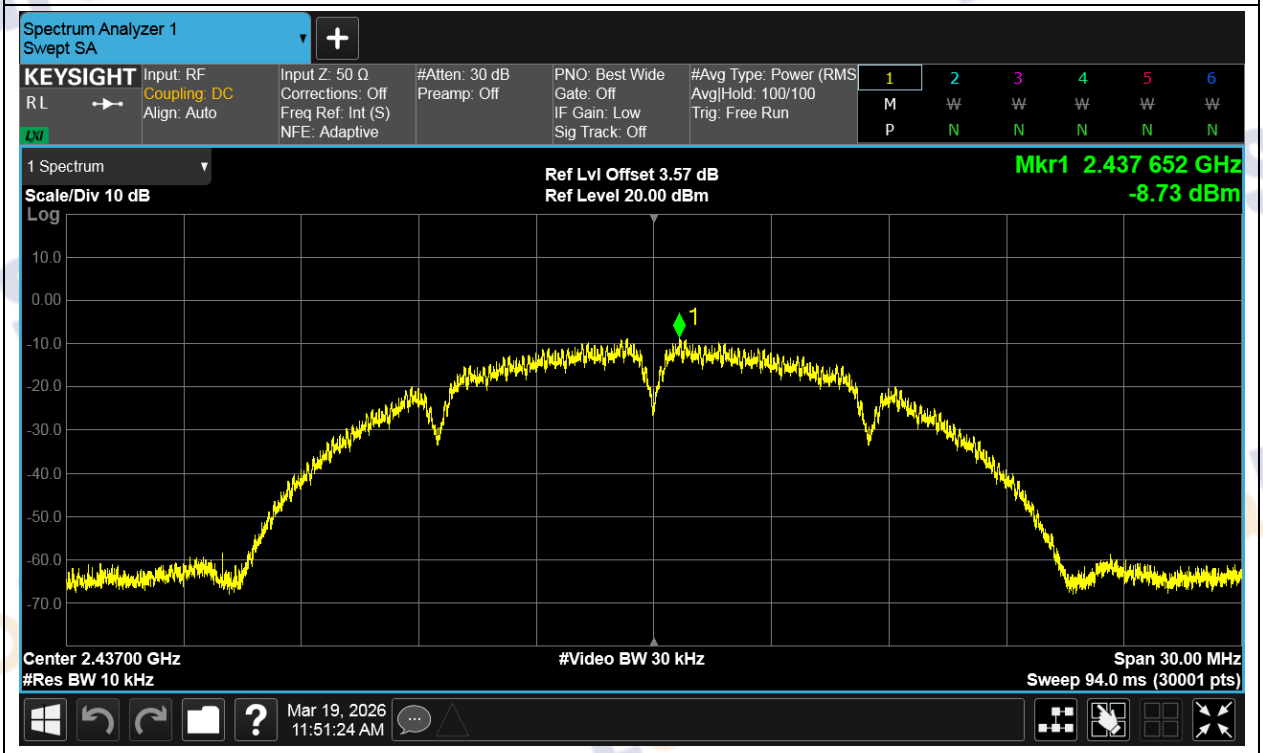
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-7.98	0	-7.98	8	Pass
NVNT	b	2437	Ant1	-8.73	0	-8.73	8	Pass
NVNT	b	2462	Ant1	-9.34	0	-9.34	8	Pass
NVNT	g	2412	Ant1	-13.46	0	-13.46	8	Pass
NVNT	g	2437	Ant1	-13.96	0	-13.96	8	Pass
NVNT	g	2462	Ant1	-14.22	0	-14.22	8	Pass
NVNT	n20	2412	Ant1	-12.1	0	-12.1	8	Pass
NVNT	n20	2437	Ant1	-13	0	-13	8	Pass
NVNT	n20	2462	Ant1	-13.12	0	-13.12	8	Pass

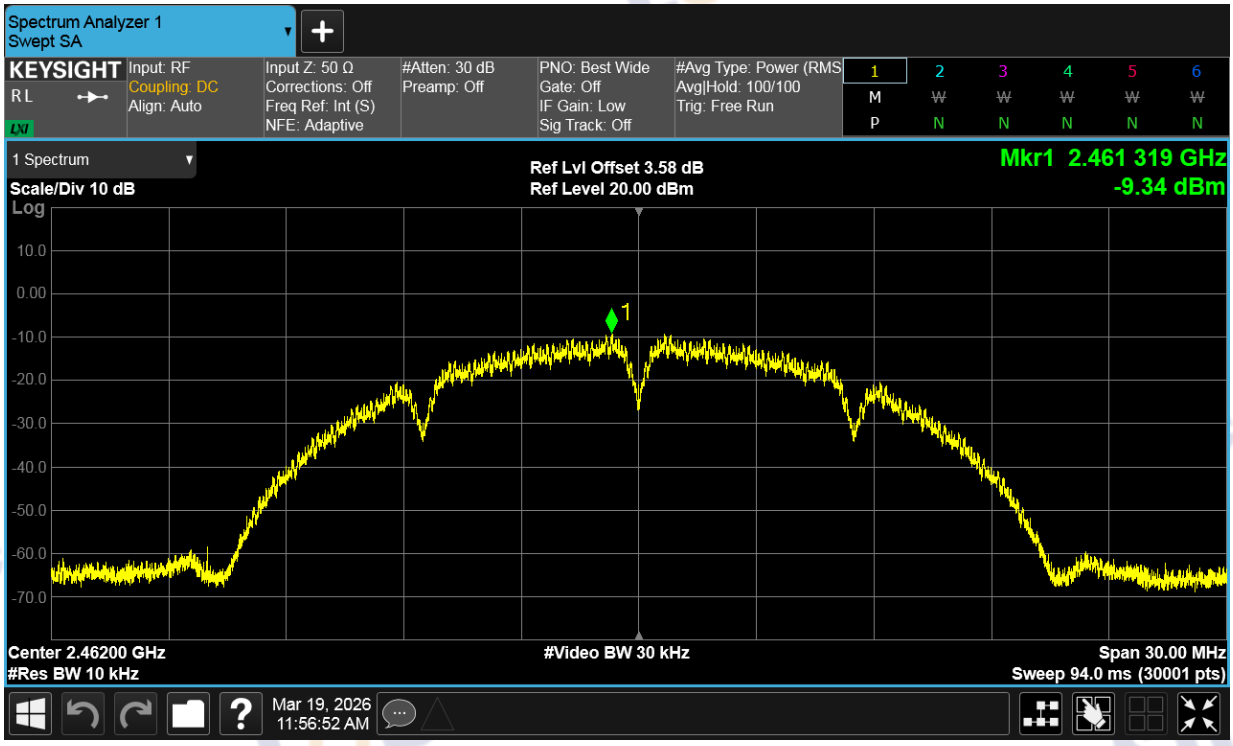
Test Graphs
PSD NVNT b 2412MHz Ant1



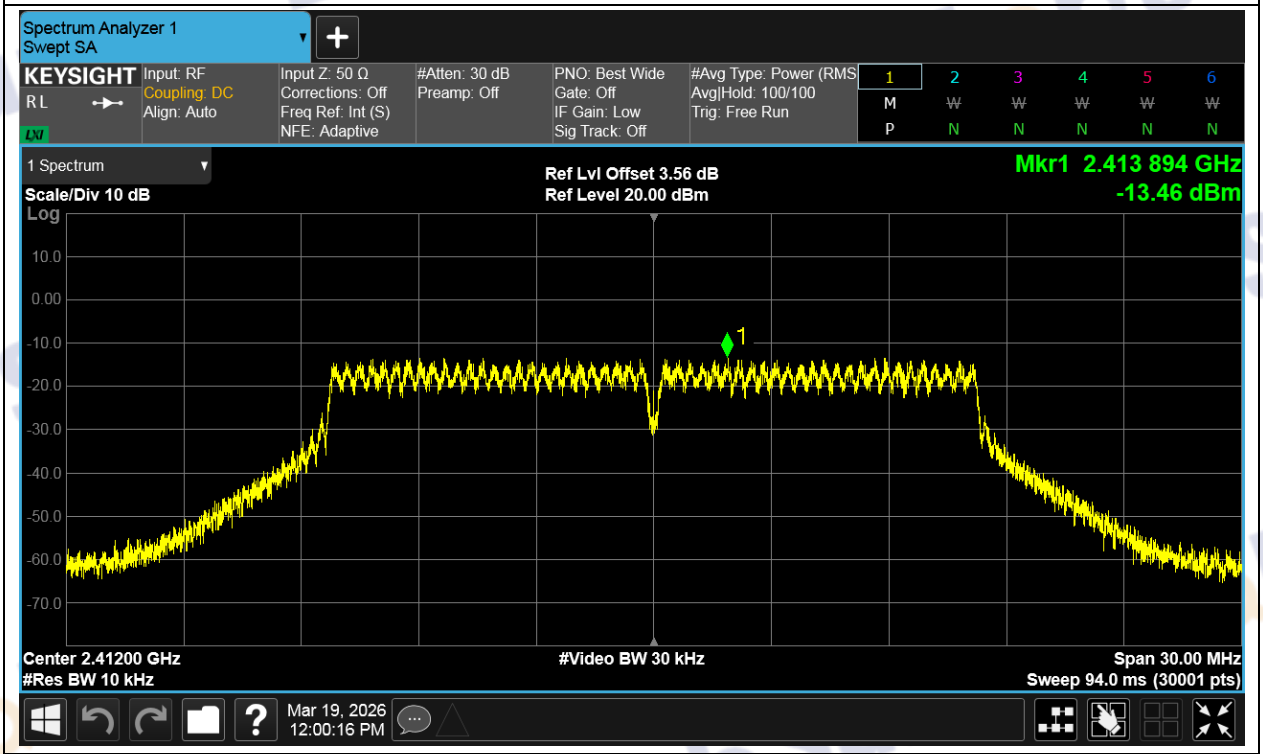
PSD NVNT b 2437MHz Ant1



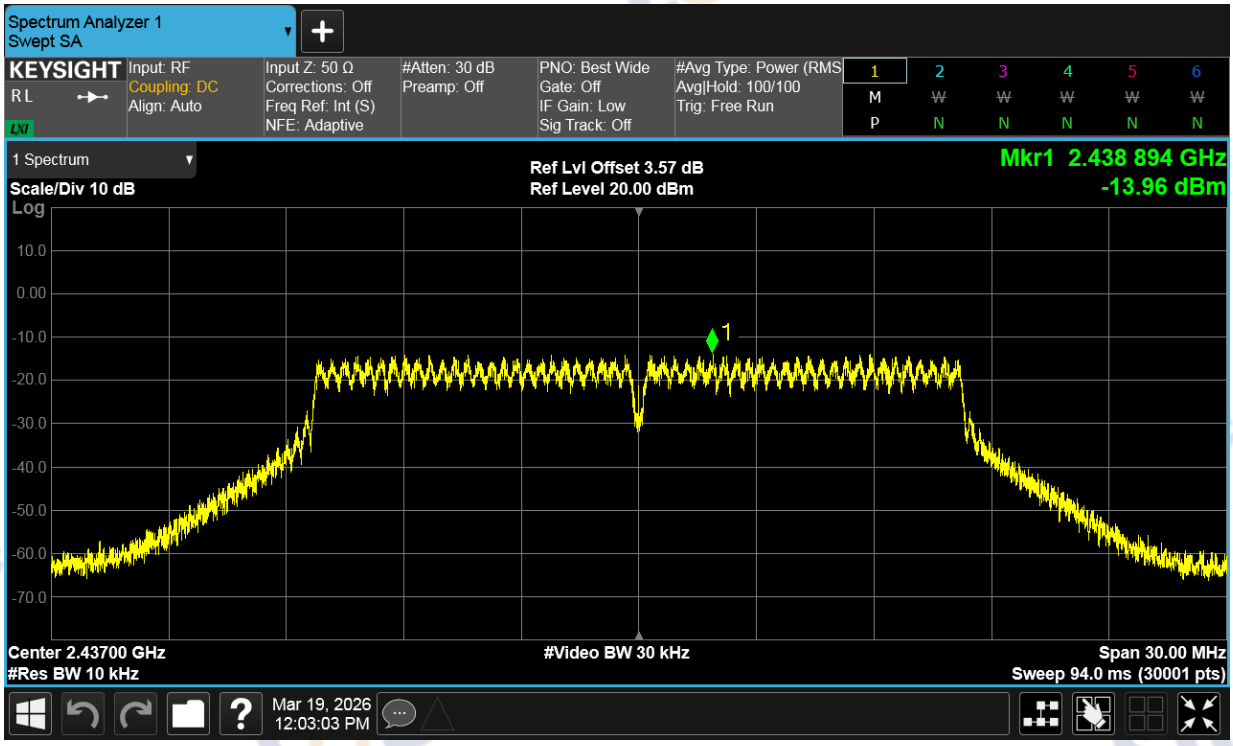
PSD NVNT b 2462MHz Ant1



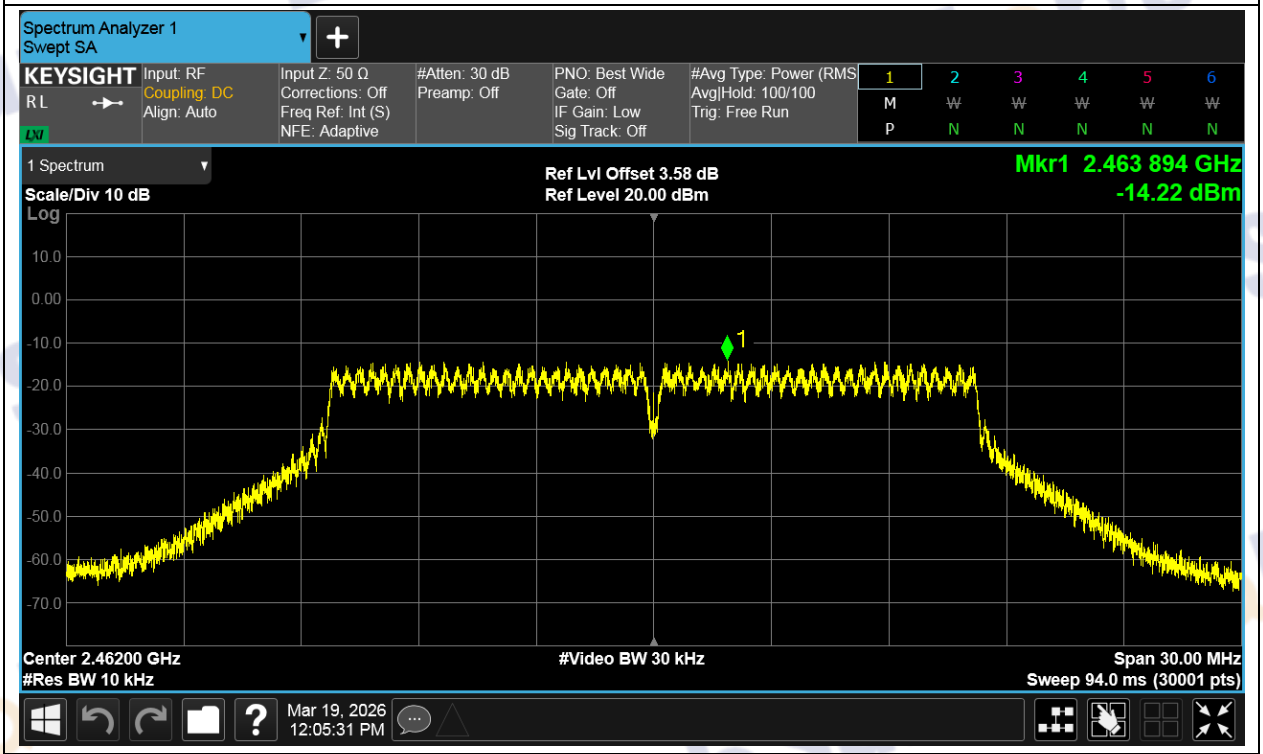
PSD NVNT g 2412MHz Ant1



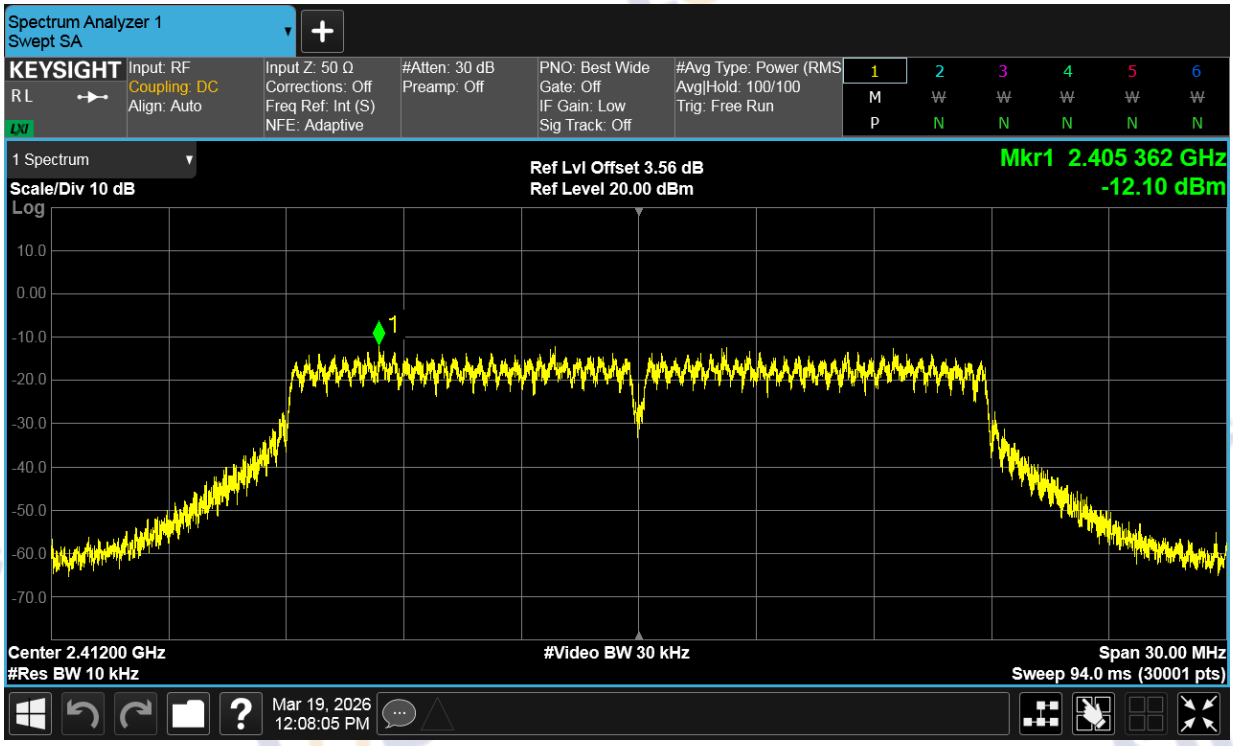
PSD NVNT g 2437MHz Ant1



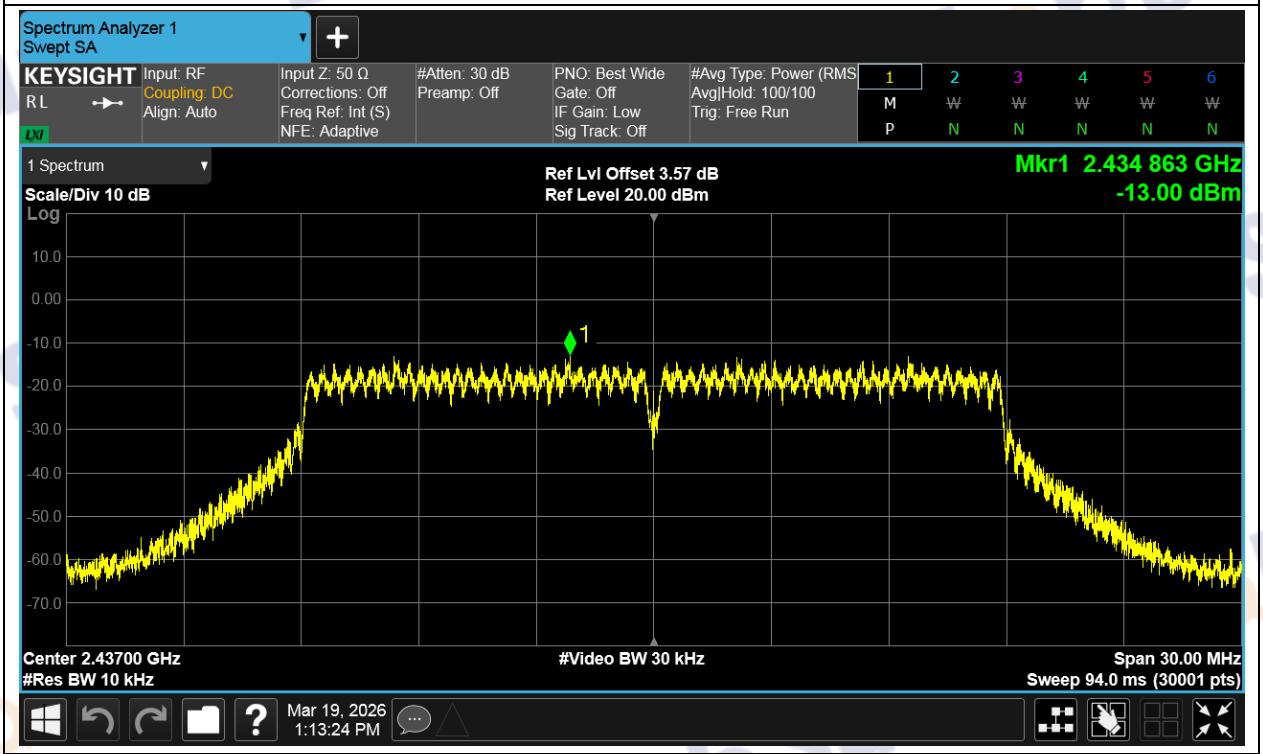
PSD NVNT g 2462MHz Ant1



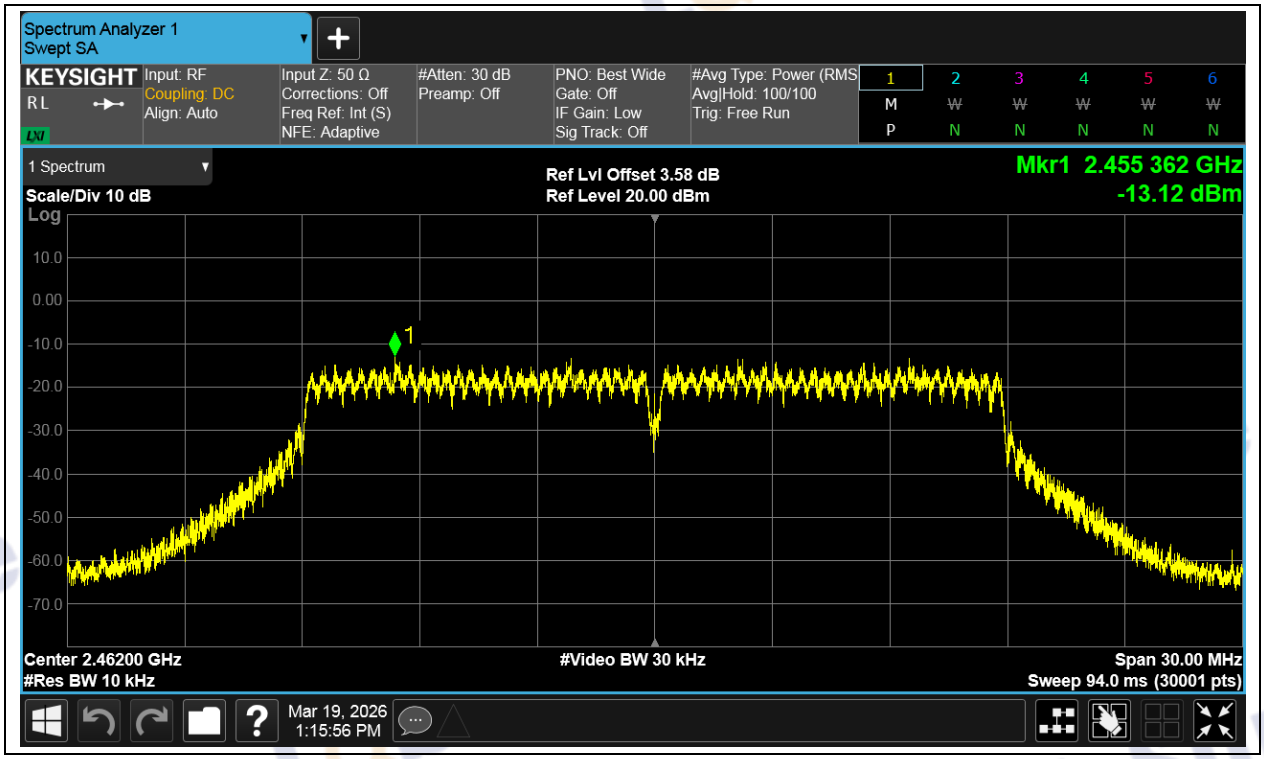
PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2437MHz Ant1



PSD NVNT n20 2462MHz Ant1

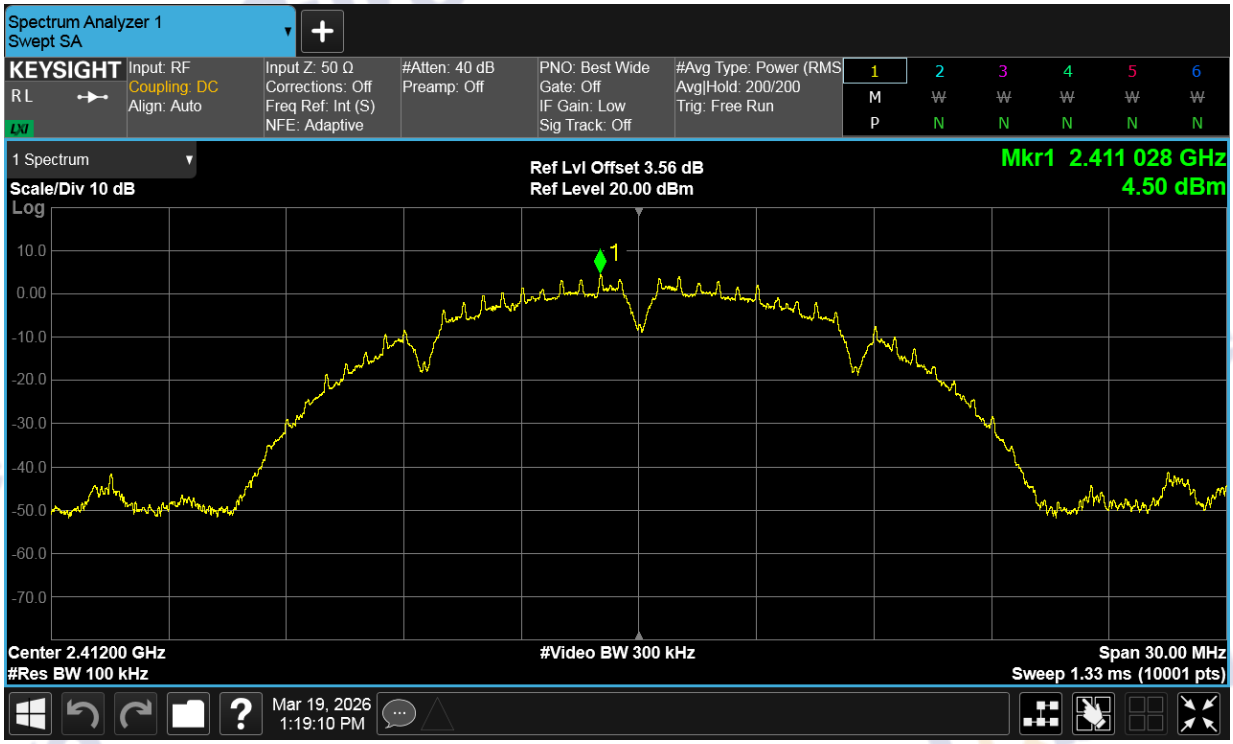

Spectrum Analyzer 1
Swept SA
KEYSIGHT
RL
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 30 dB
Preamp: Off
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
#Avg Type: Power (RMS
Avg|Hold: 100/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 3.58 dB
Ref Level 20.00 dBm
Mkr1 2.455 362 GHz
-13.12 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.46200 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 30.00 MHz
Sweep 94.0 ms (30001 pts)
Mar 19, 2026
1:15:56 PM

Band Edge

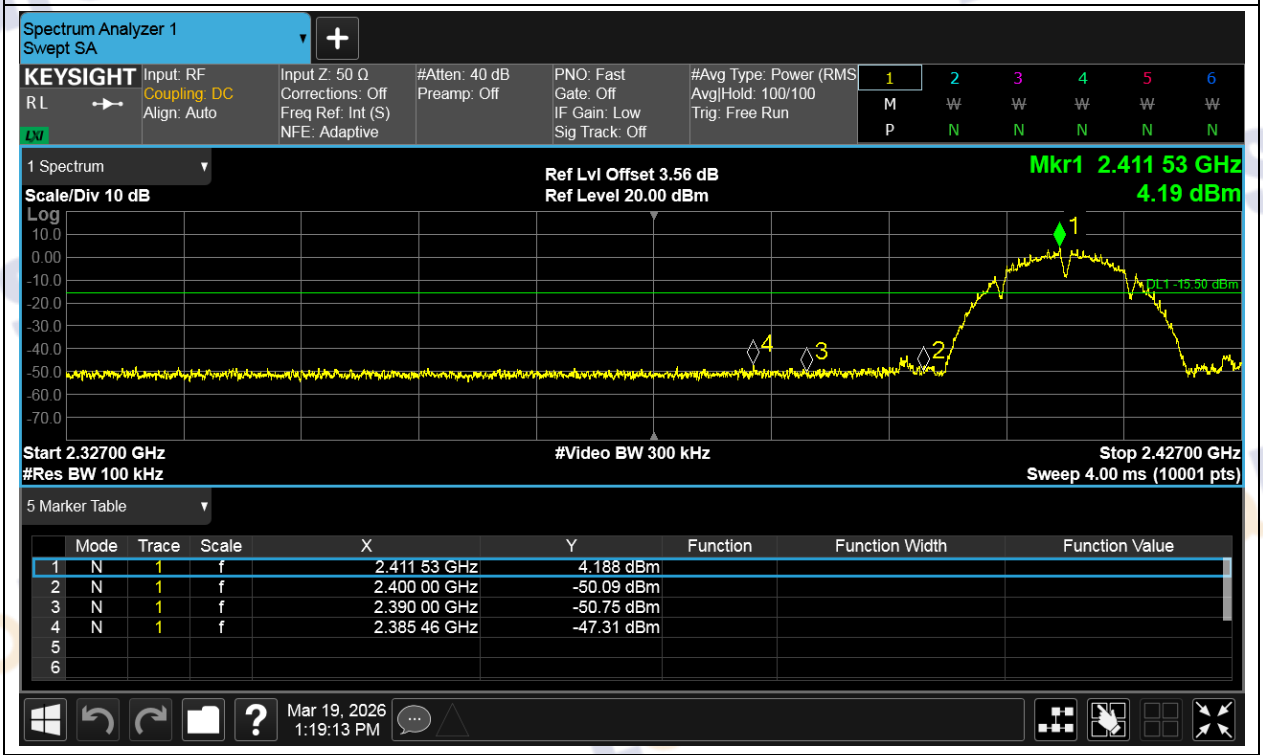
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-51.81	-20	Pass
NVNT	b	2462	Ant1	-50.32	-20	Pass
NVNT	g	2412	Ant1	-43.03	-20	Pass
NVNT	g	2462	Ant1	-43.04	-20	Pass
NVNT	n20	2412	Ant1	-41.42	-20	Pass
NVNT	n20	2462	Ant1	-42.78	-20	Pass

Test Graphs

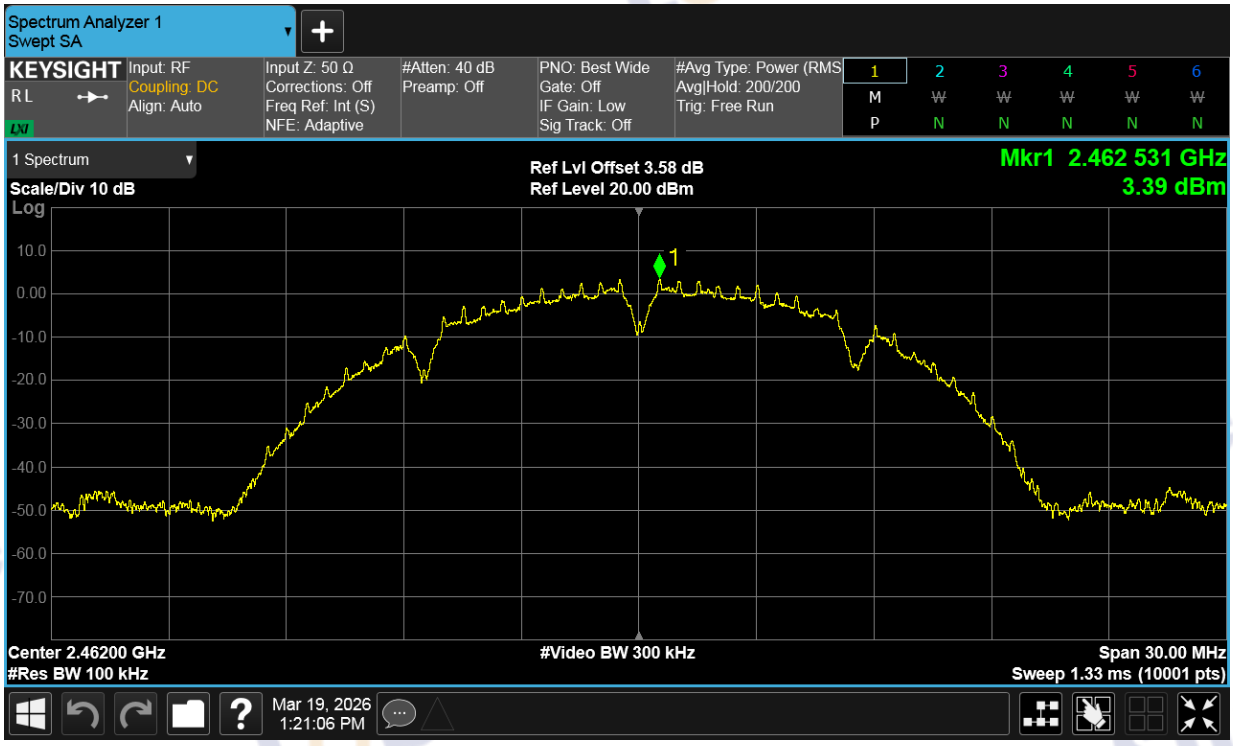
Band Edge NVNT b 2412MHz Ant1 Ref



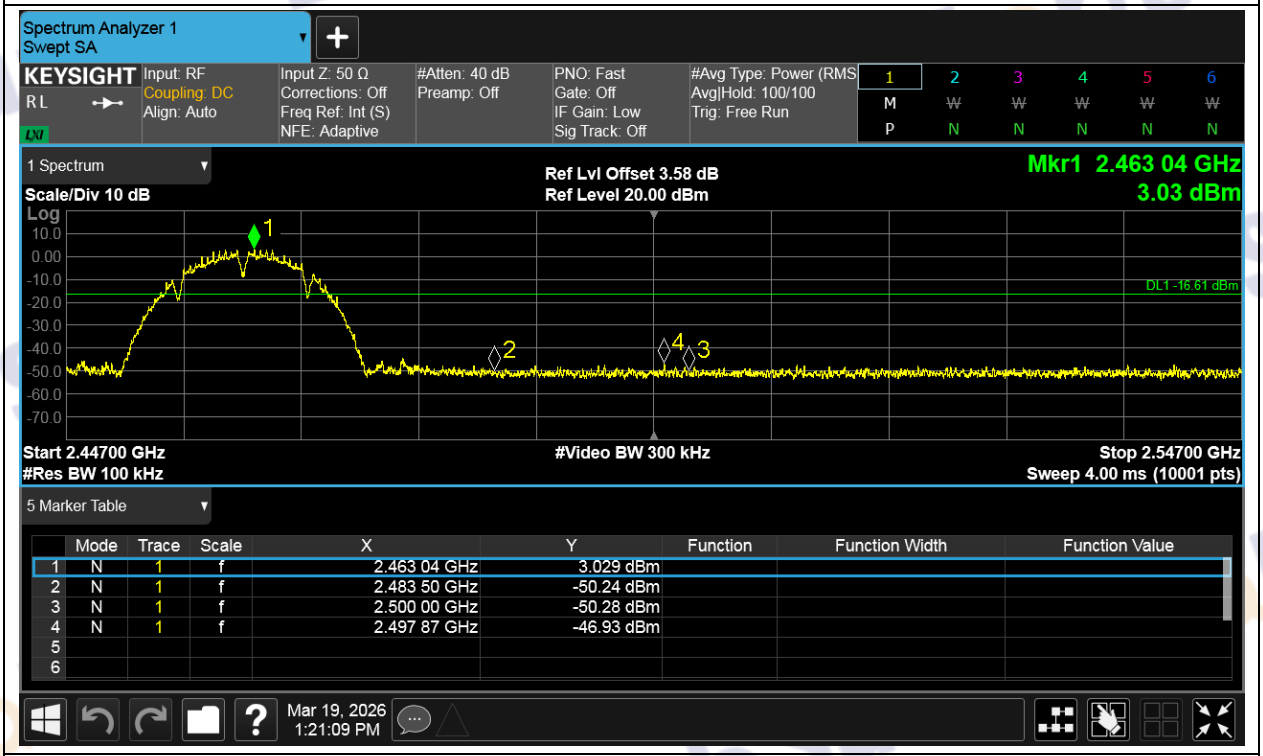
Band Edge NVNT b 2412MHz Ant1 Emission



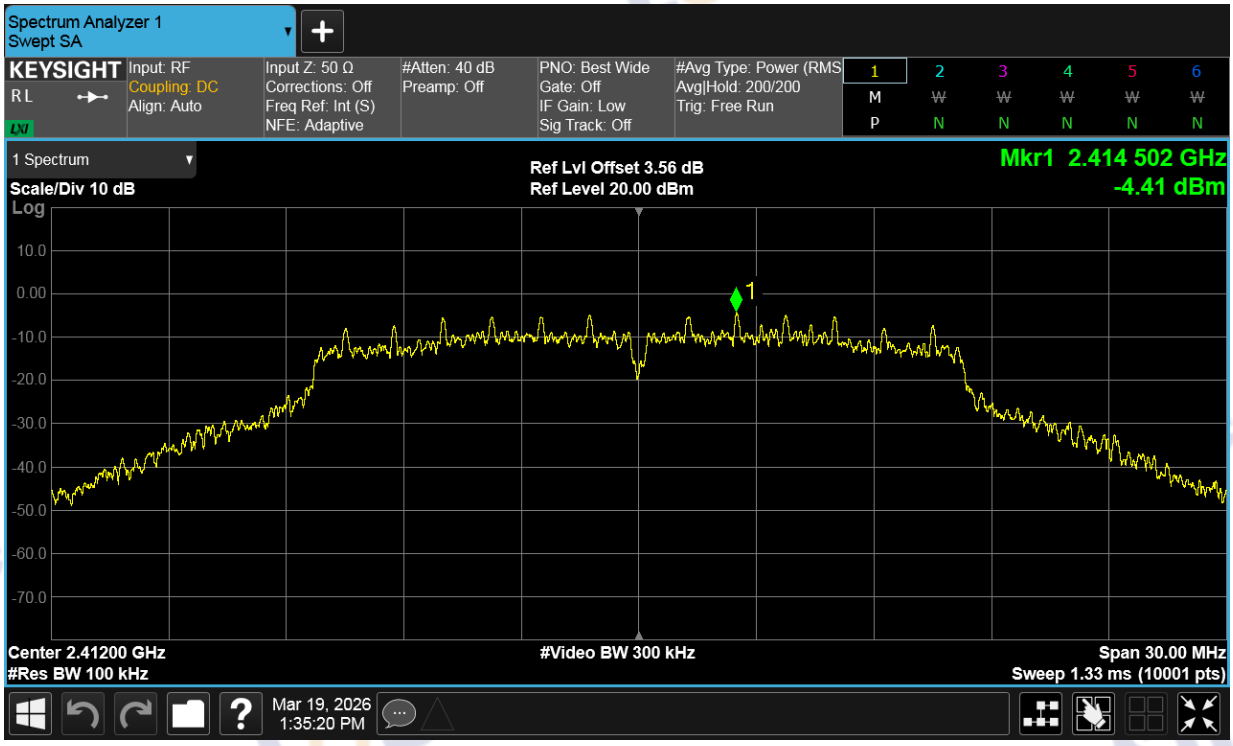
Band Edge NVNT b 2462MHz Ant1 Ref



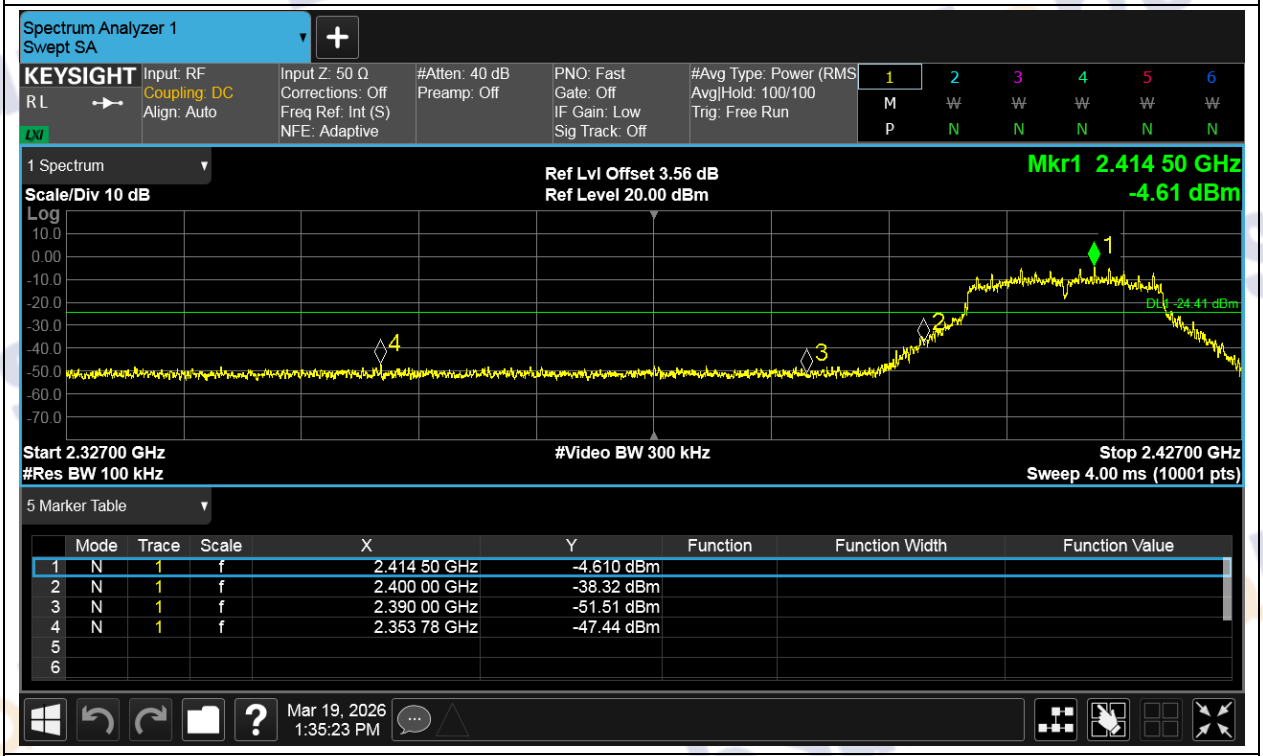
Band Edge NVNT b 2462MHz Ant1 Emission



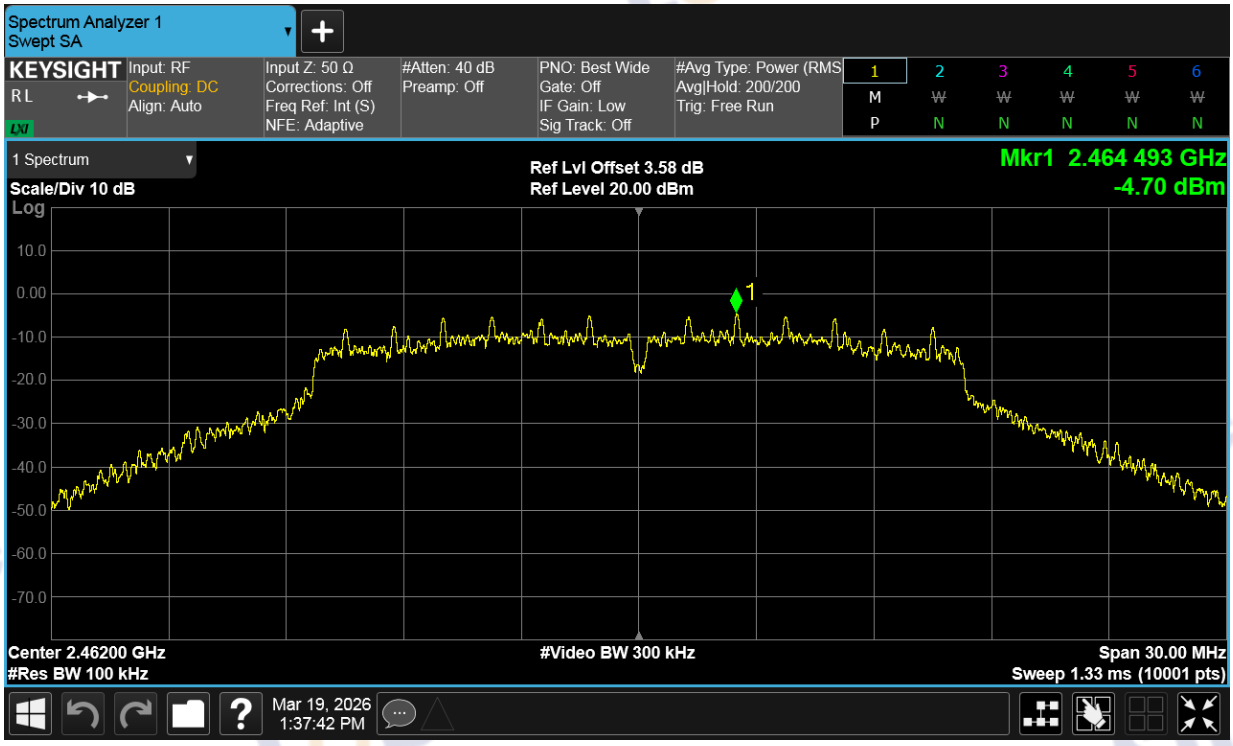
Band Edge NVNT g 2412MHz Ant1 Ref



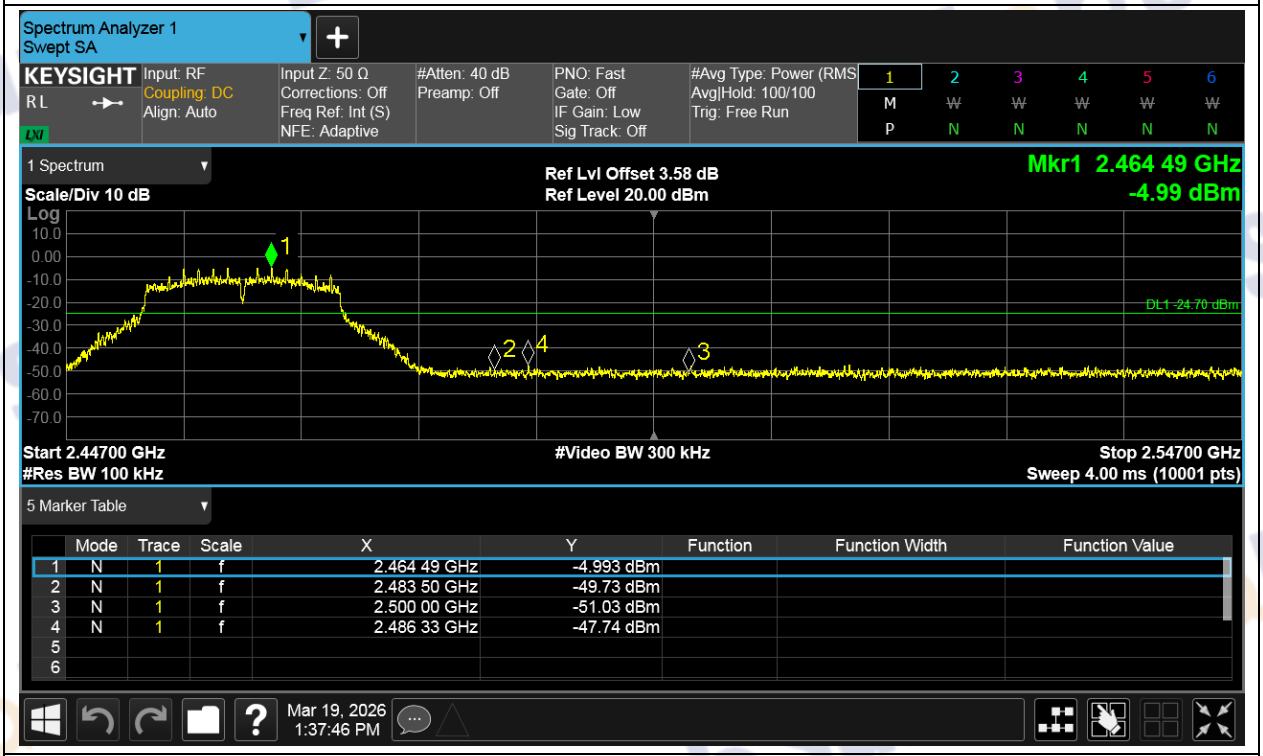
Band Edge NVNT g 2412MHz Ant1 Emission



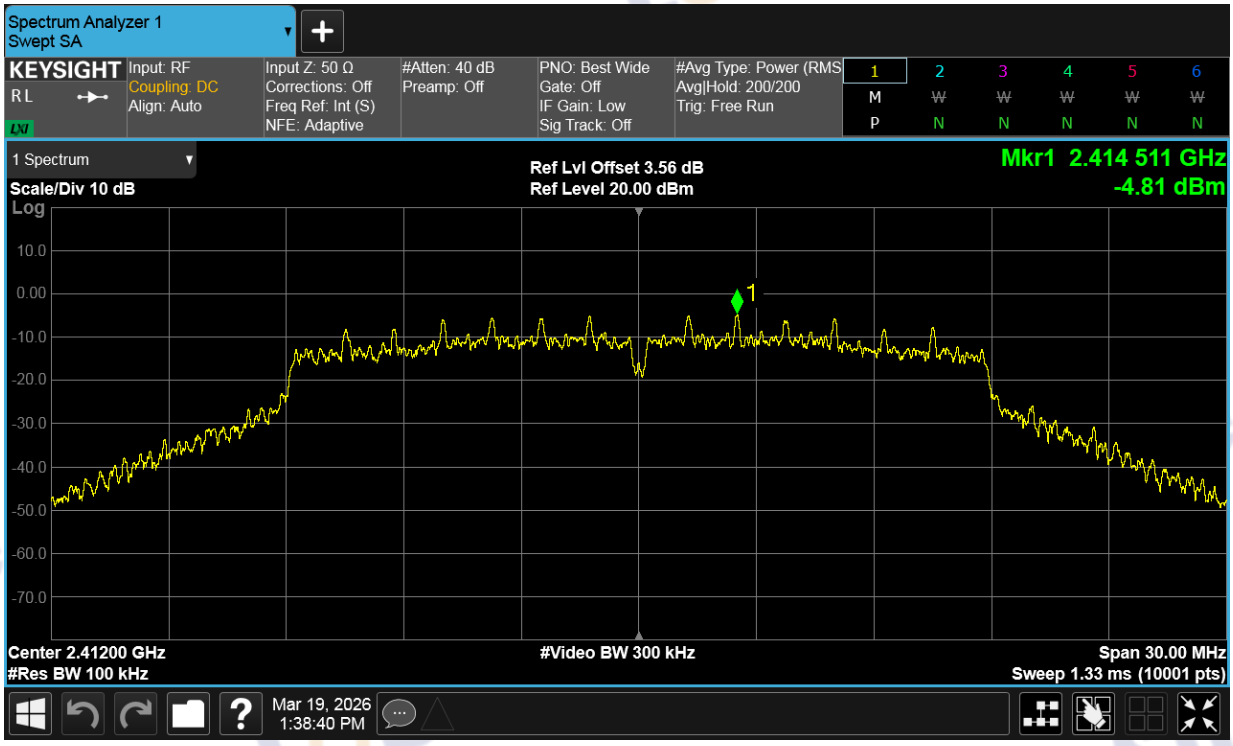
Band Edge NVNT g 2462MHz Ant1 Ref



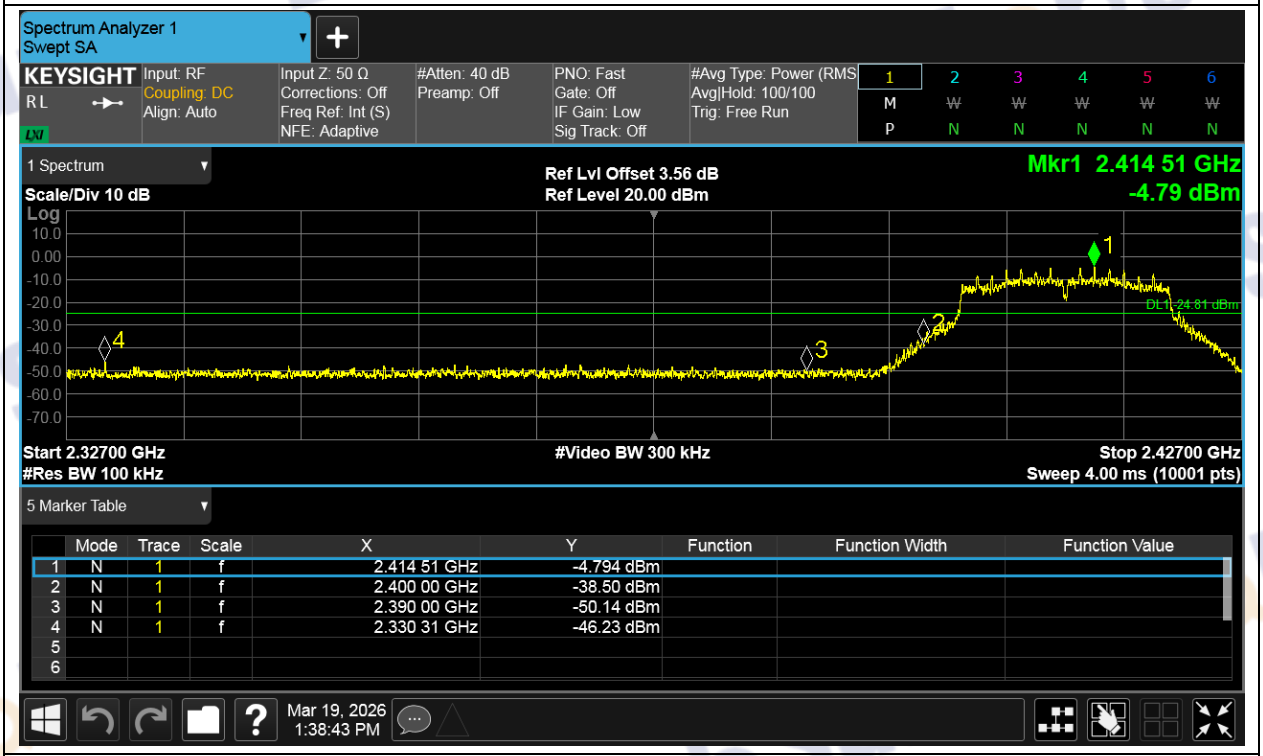
Band Edge NVNT g 2462MHz Ant1 Emission



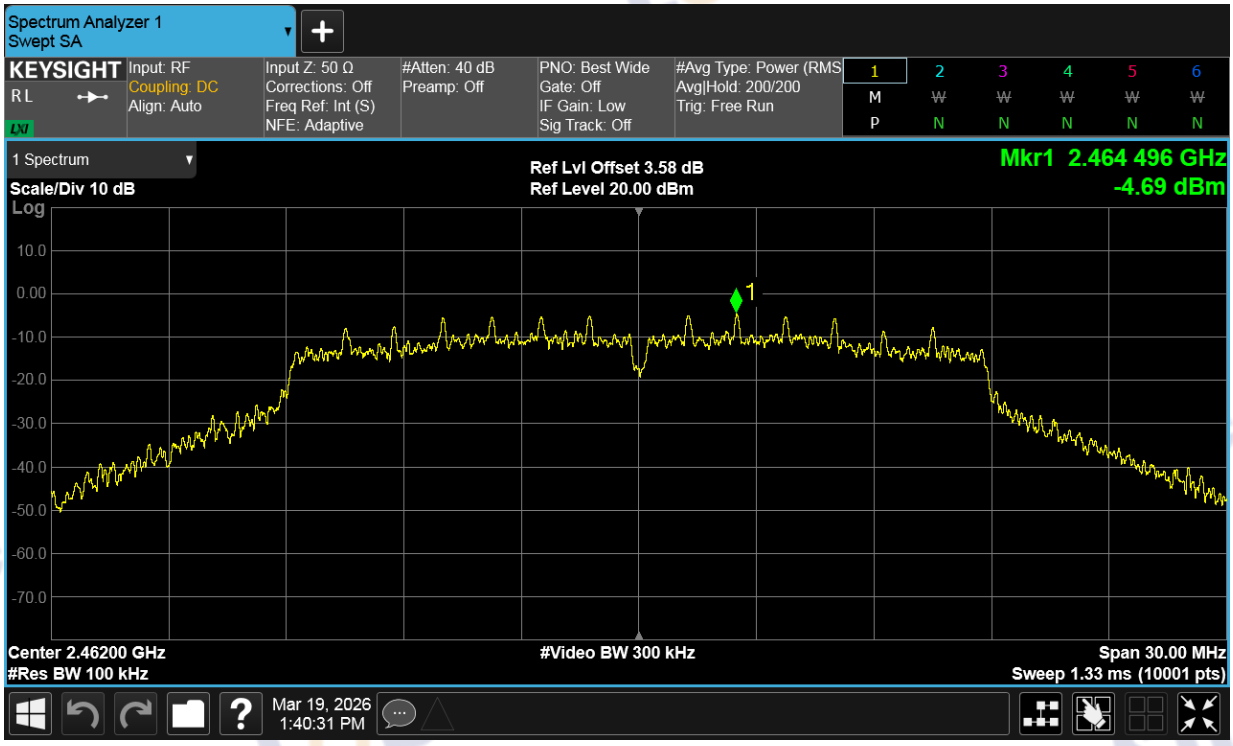
Band Edge NVNT n20 2412MHz Ant1 Ref



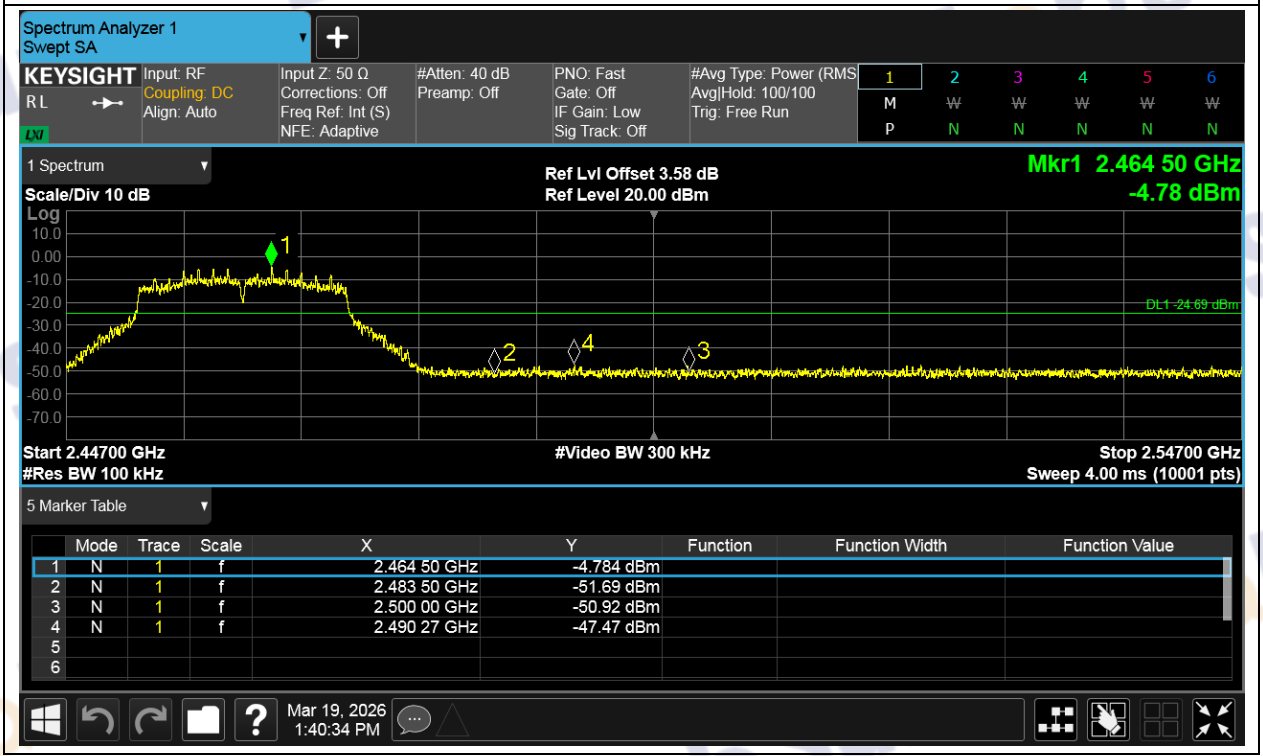
Band Edge NVNT n20 2412MHz Ant1 Emission



Band Edge NVNT n20 2462MHz Ant1 Ref



Band Edge NVNT n20 2462MHz Ant1 Emission

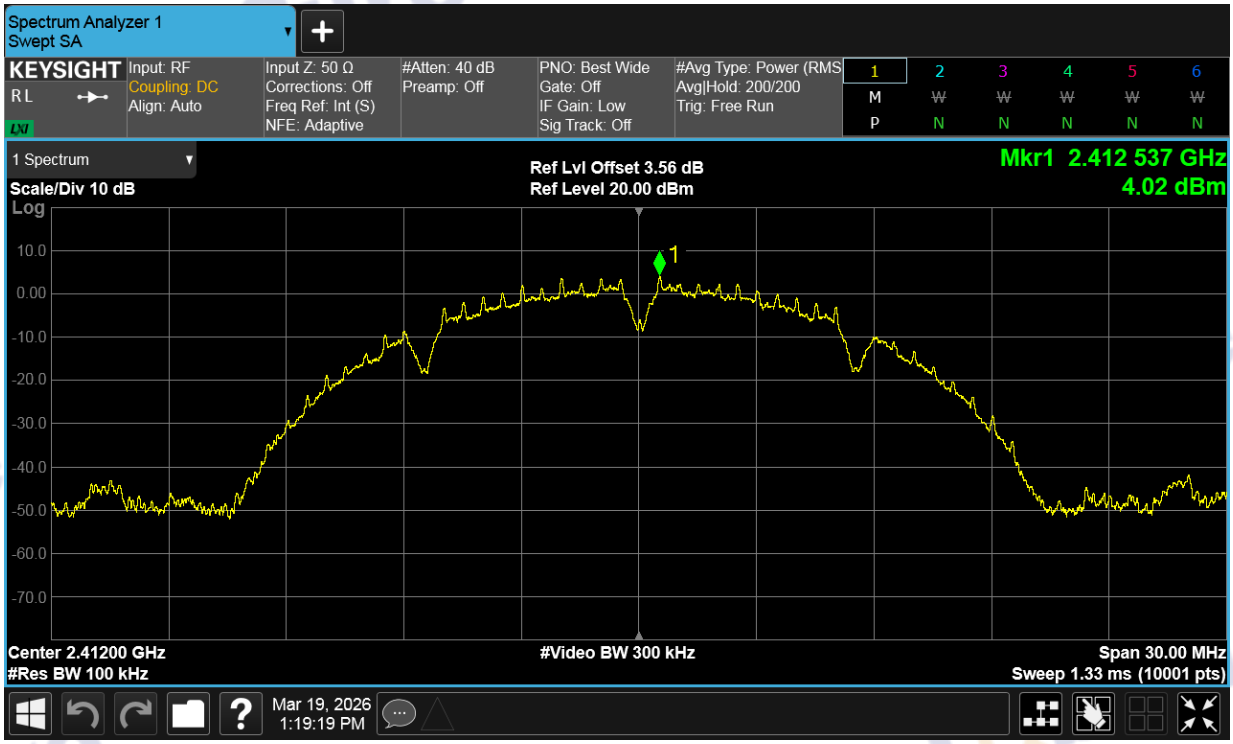


Conducted RF Spurious Emission

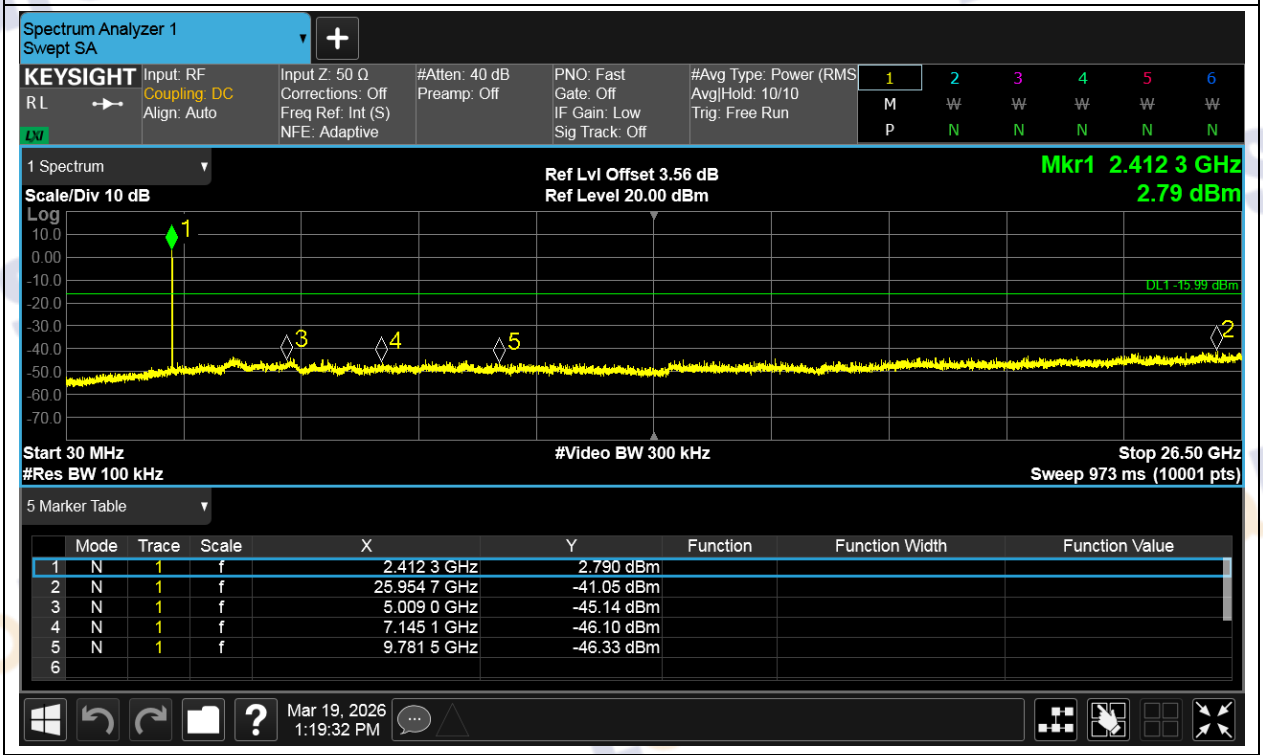
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-45.07	-20	Pass
NVNT	b	2437	Ant1	-46.14	-20	Pass
NVNT	b	2462	Ant1	-43.89	-20	Pass
NVNT	g	2412	Ant1	-36.52	-20	Pass
NVNT	g	2437	Ant1	-35.42	-20	Pass
NVNT	g	2462	Ant1	-36.66	-20	Pass
NVNT	n20	2412	Ant1	-36	-20	Pass
NVNT	n20	2437	Ant1	-36.06	-20	Pass
NVNT	n20	2462	Ant1	-34.64	-20	Pass

Test Graphs

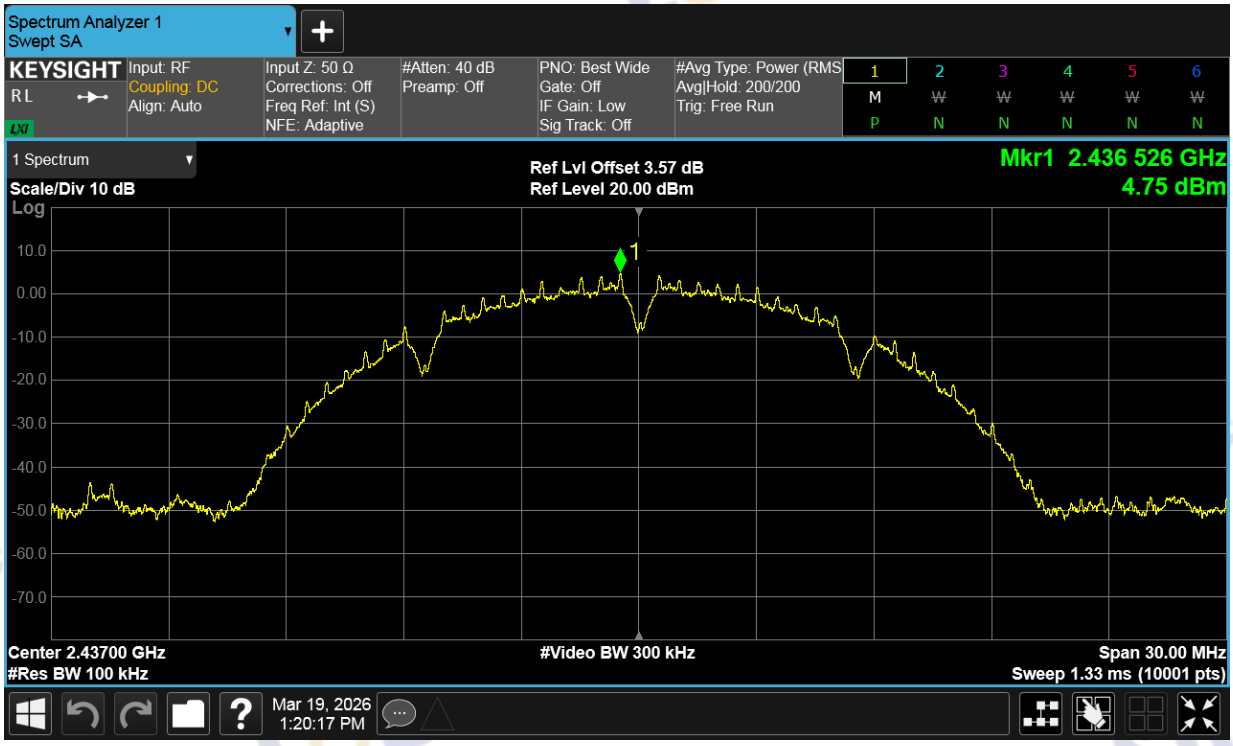
Tx. Spurious NVNT b 2412MHz Ant1 Ref



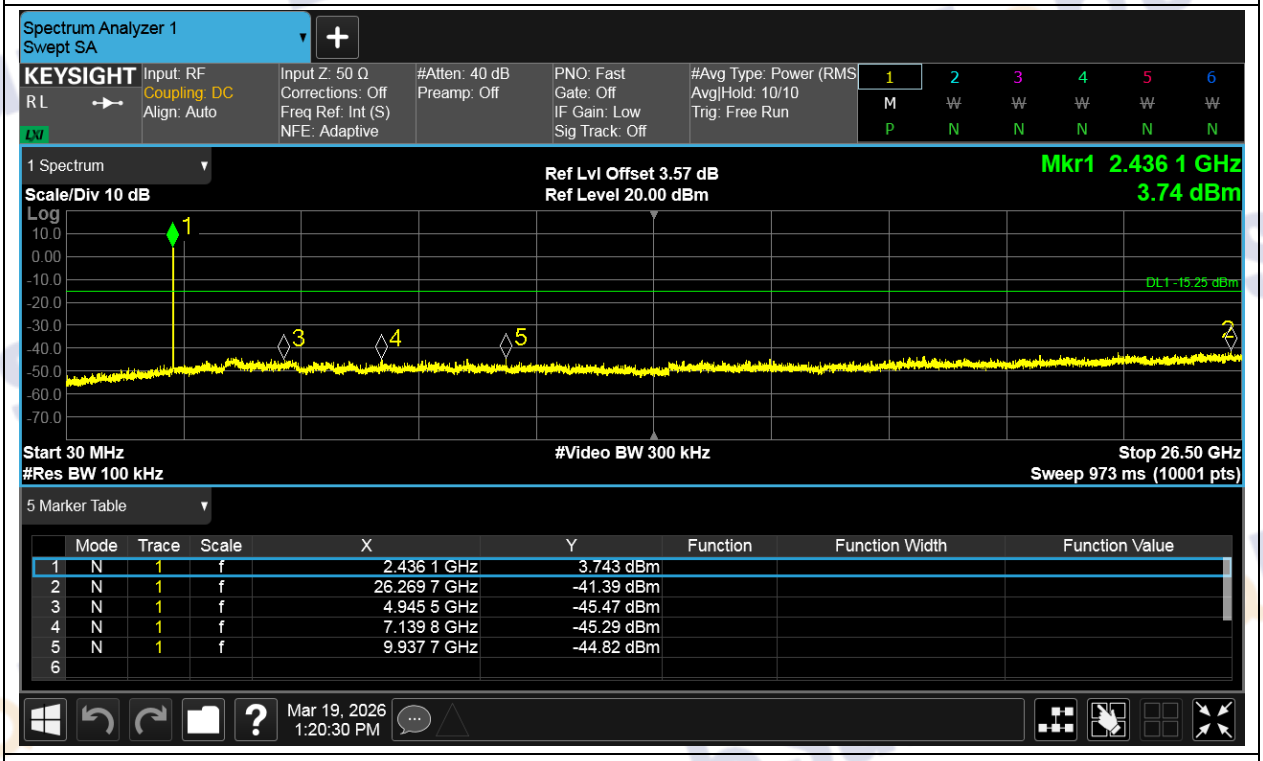
Tx. Spurious NVNT b 2412MHz Ant1 Emission



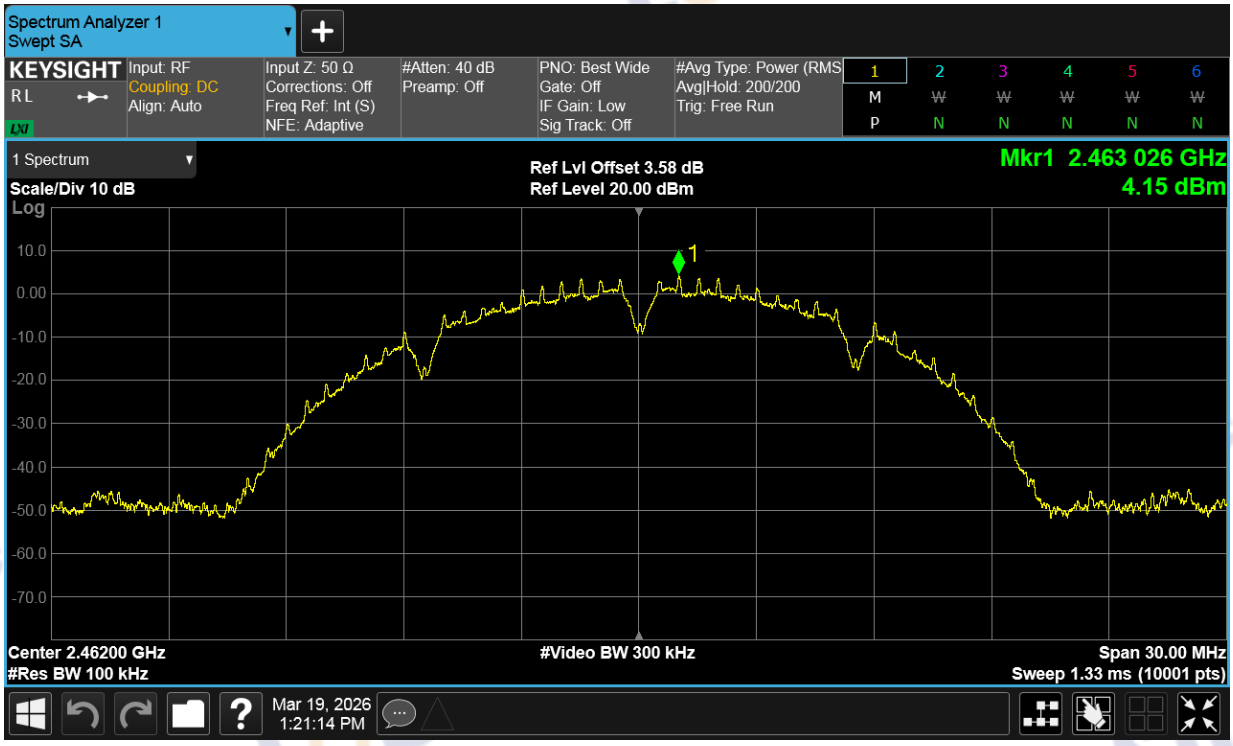
Tx. Spurious NVNT b 2437MHz Ant1 Ref



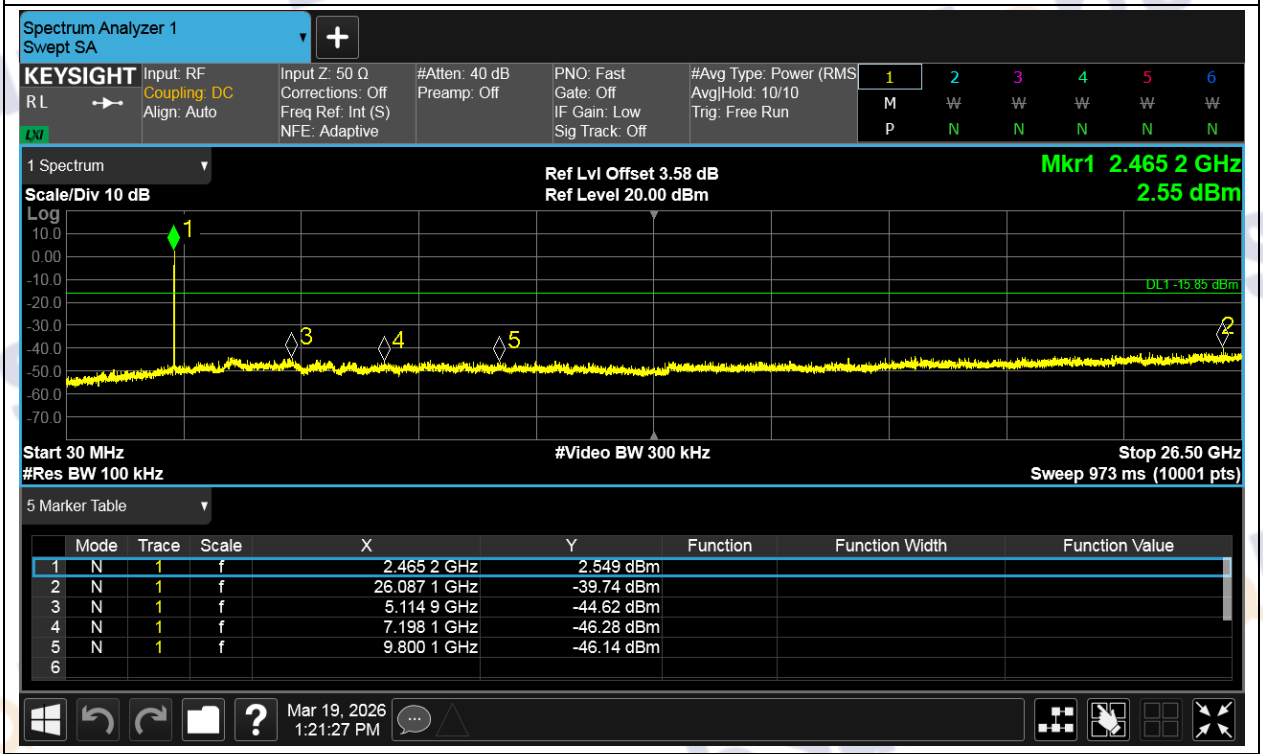
Tx. Spurious NVNT b 2437MHz Ant1 Emission



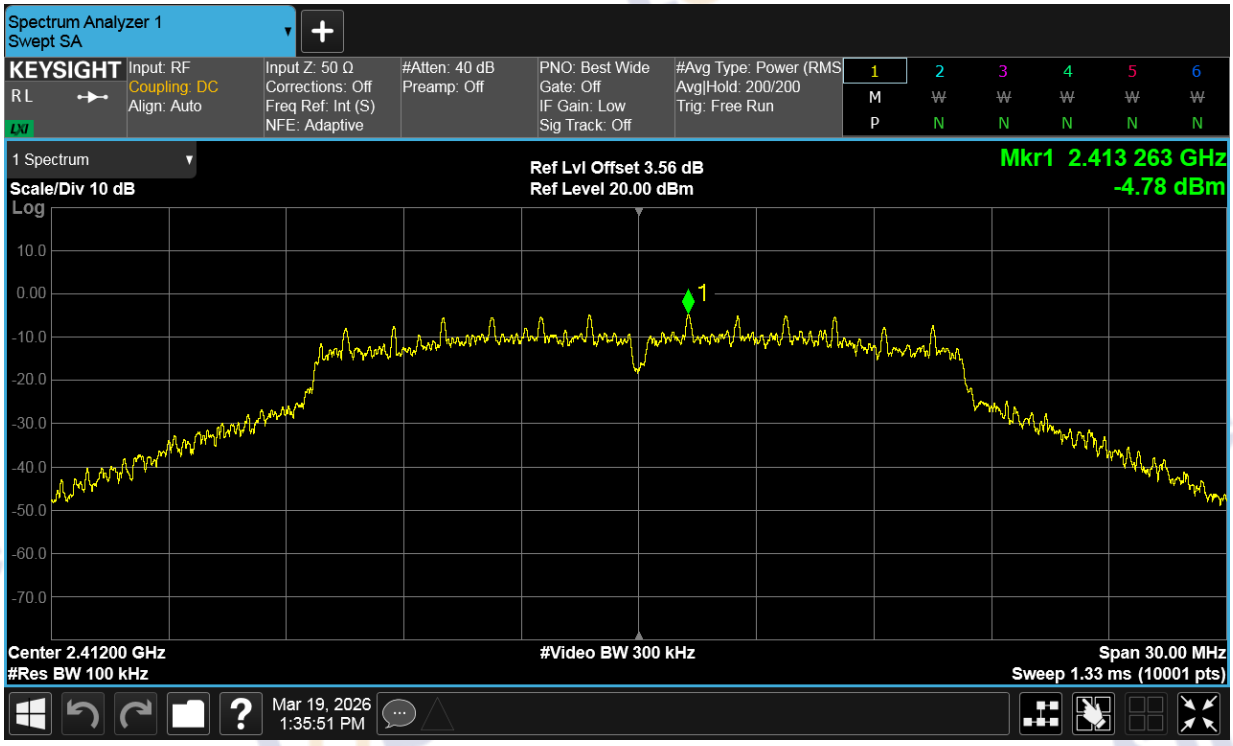
Tx. Spurious NVNT b 2462MHz Ant1 Ref



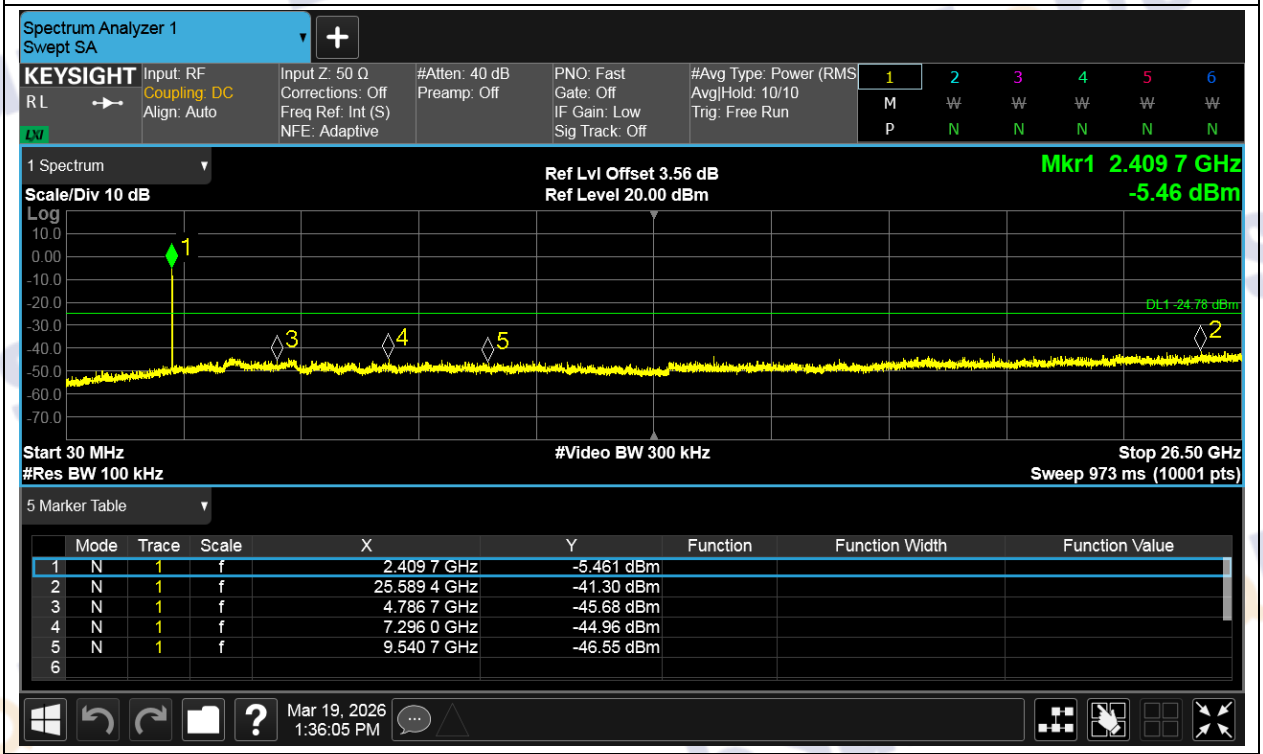
Tx. Spurious NVNT b 2462MHz Ant1 Emission



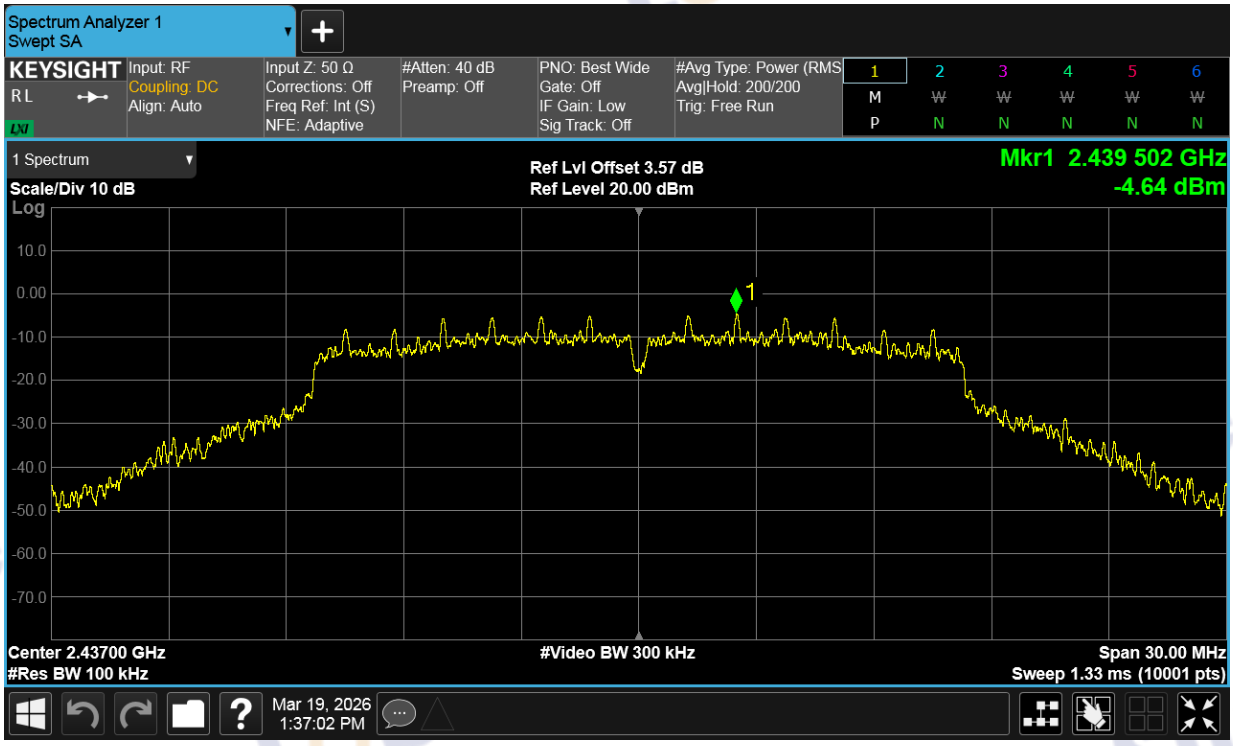
Tx. Spurious NVNT g 2412MHz Ant1 Ref



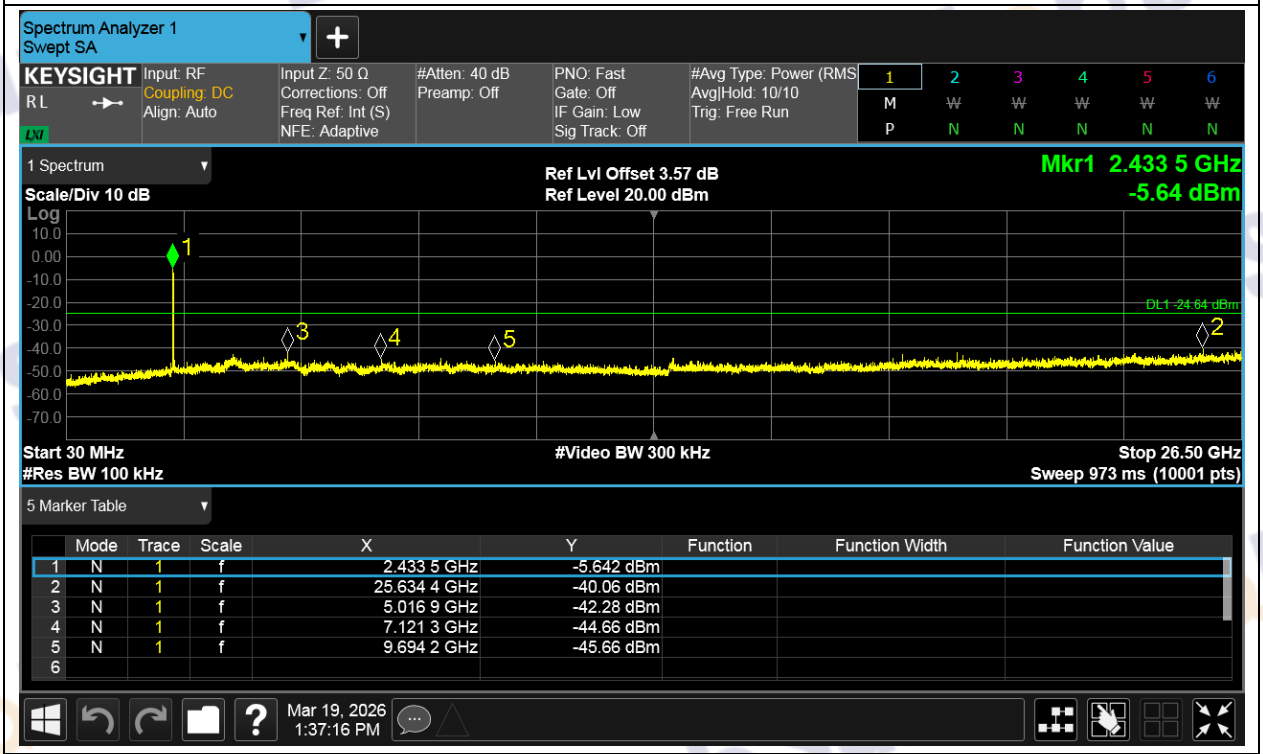
Tx. Spurious NVNT g 2412MHz Ant1 Emission



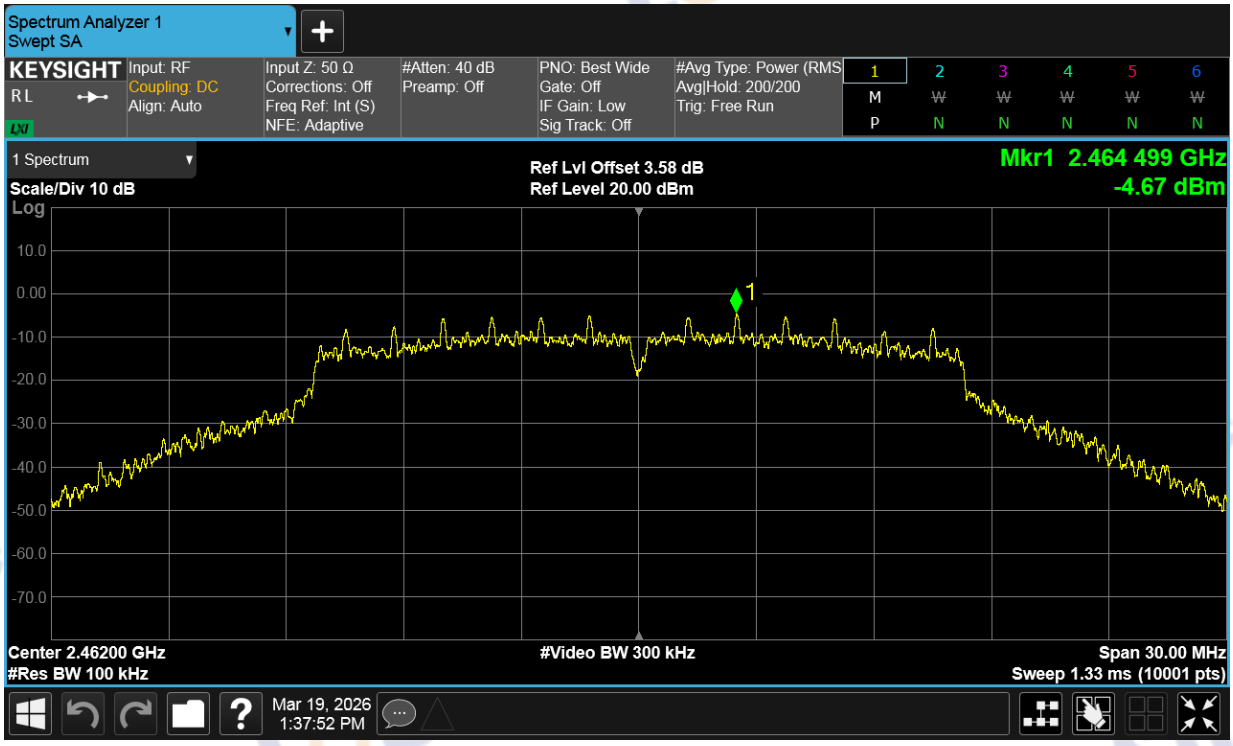
Tx. Spurious NVNT g 2437MHz Ant1 Ref



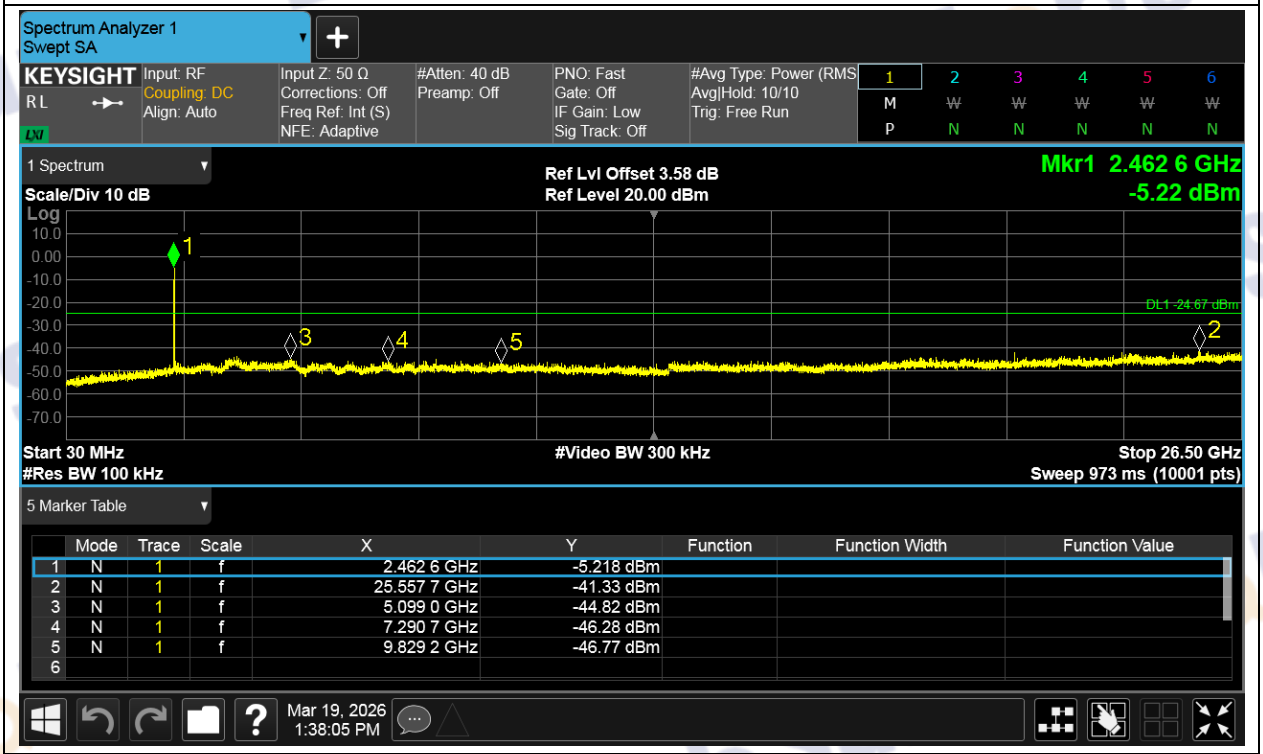
Tx. Spurious NVNT g 2437MHz Ant1 Emission



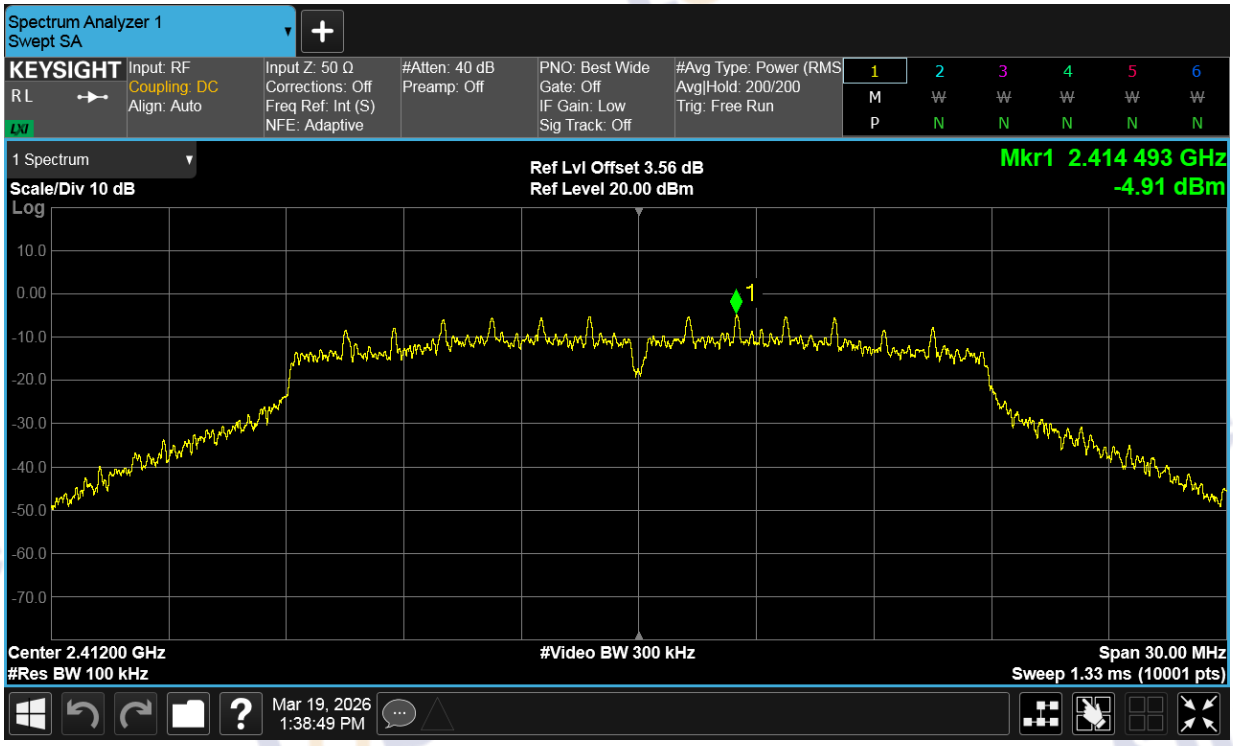
Tx. Spurious NVNT g 2462MHz Ant1 Ref



Tx. Spurious NVNT g 2462MHz Ant1 Emission



Tx. Spurious NVNT n20 2412MHz Ant1 Ref



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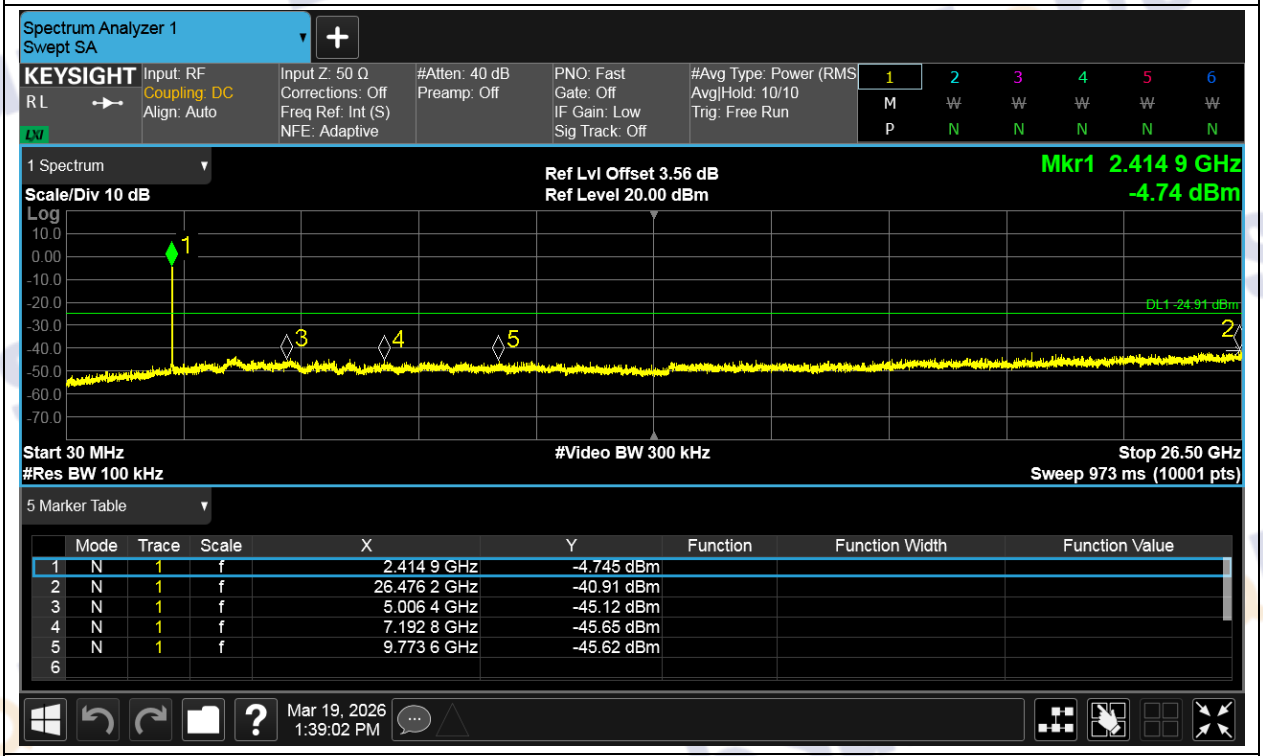

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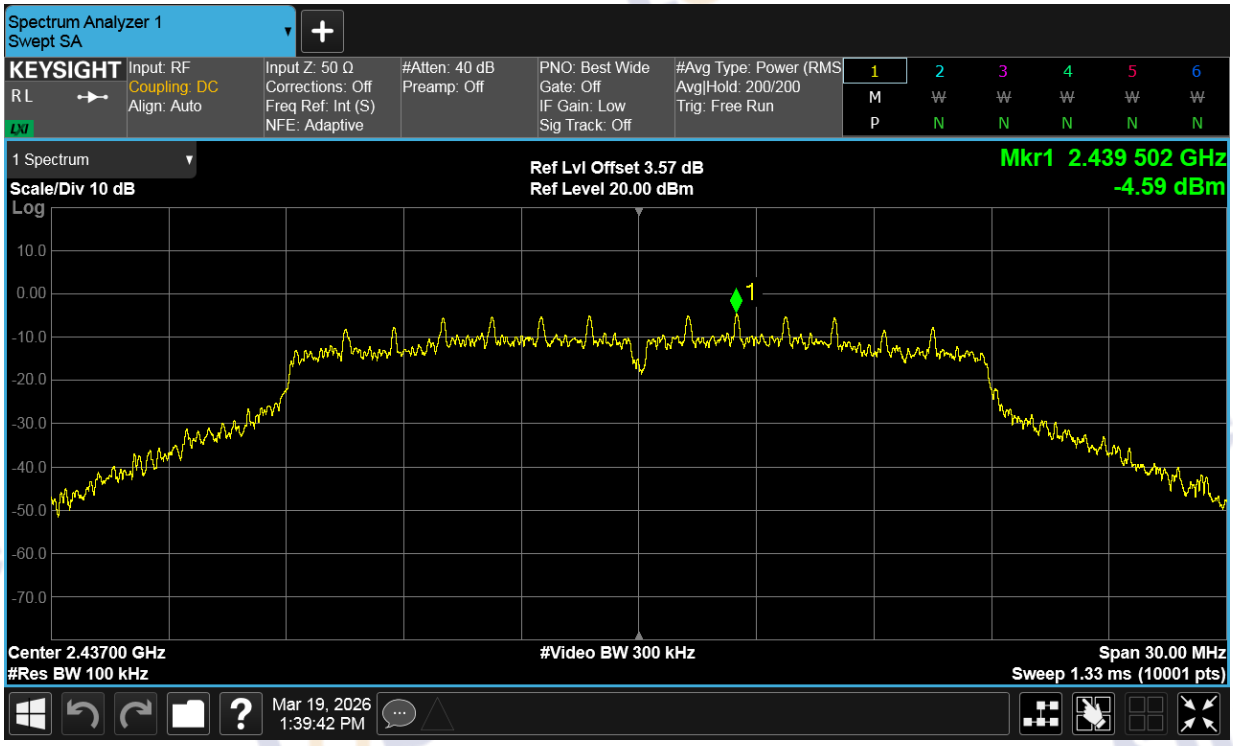
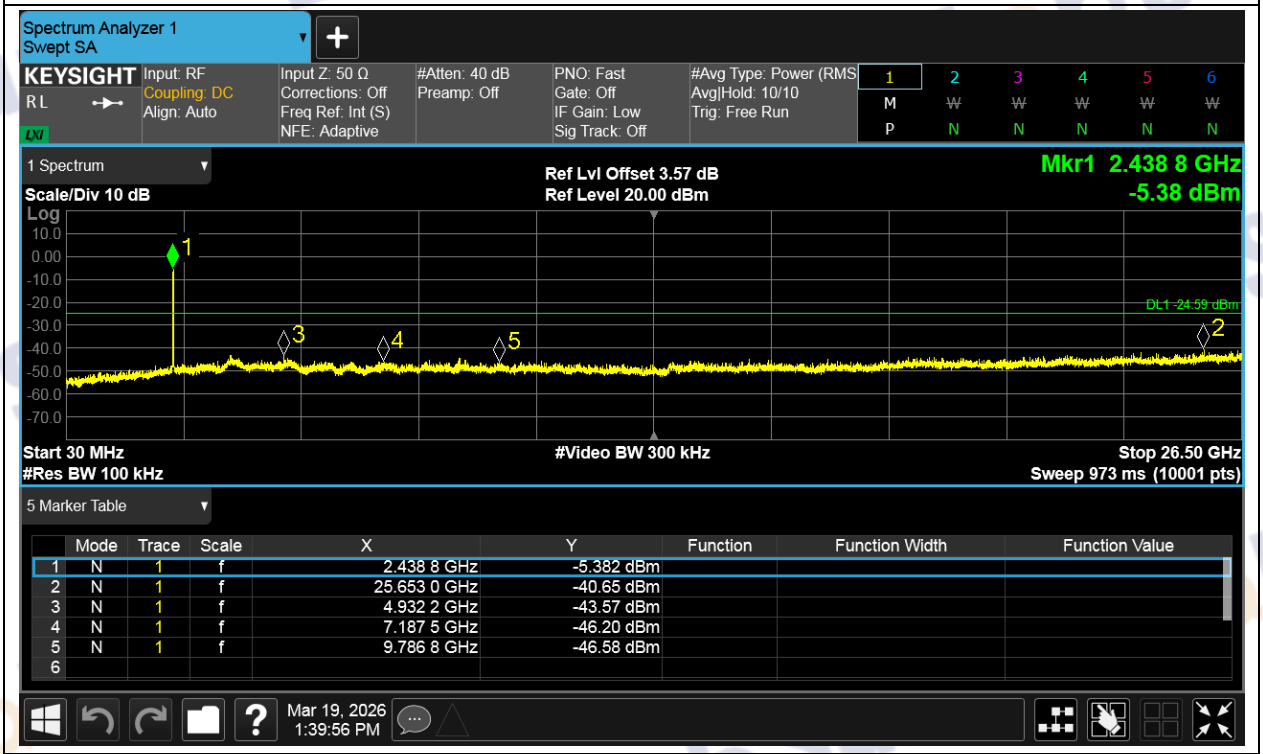
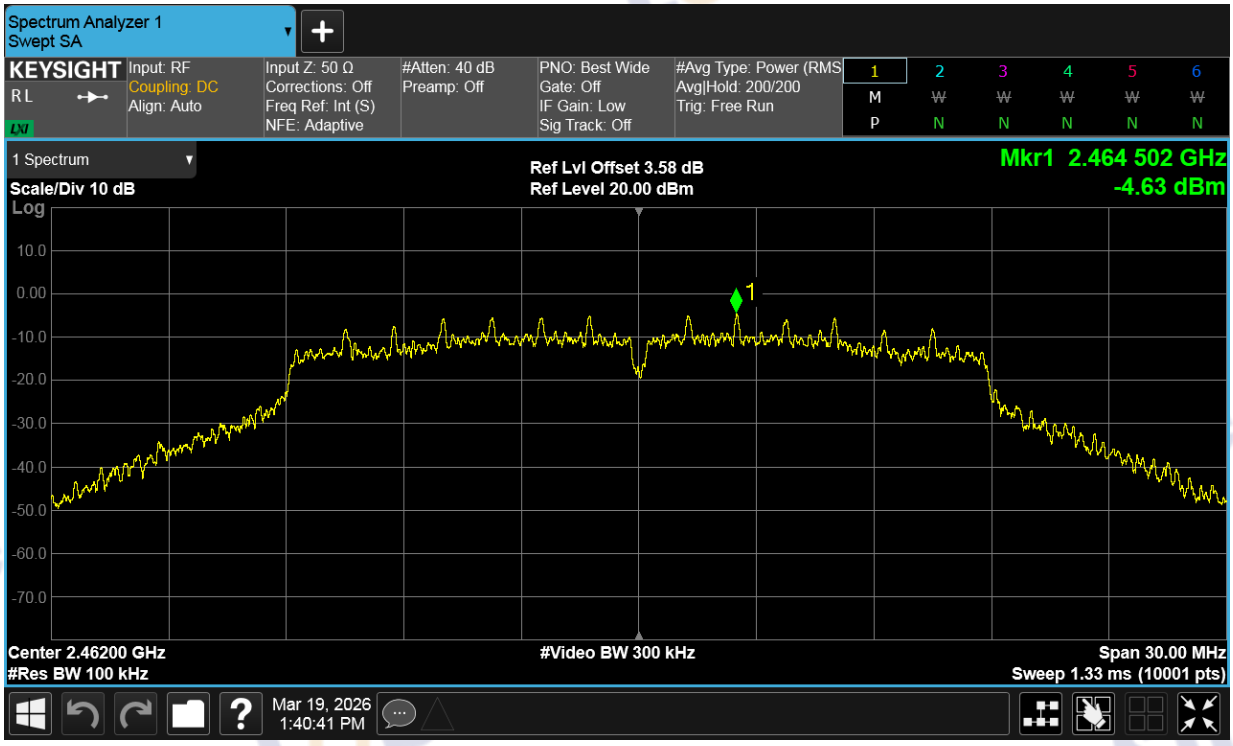
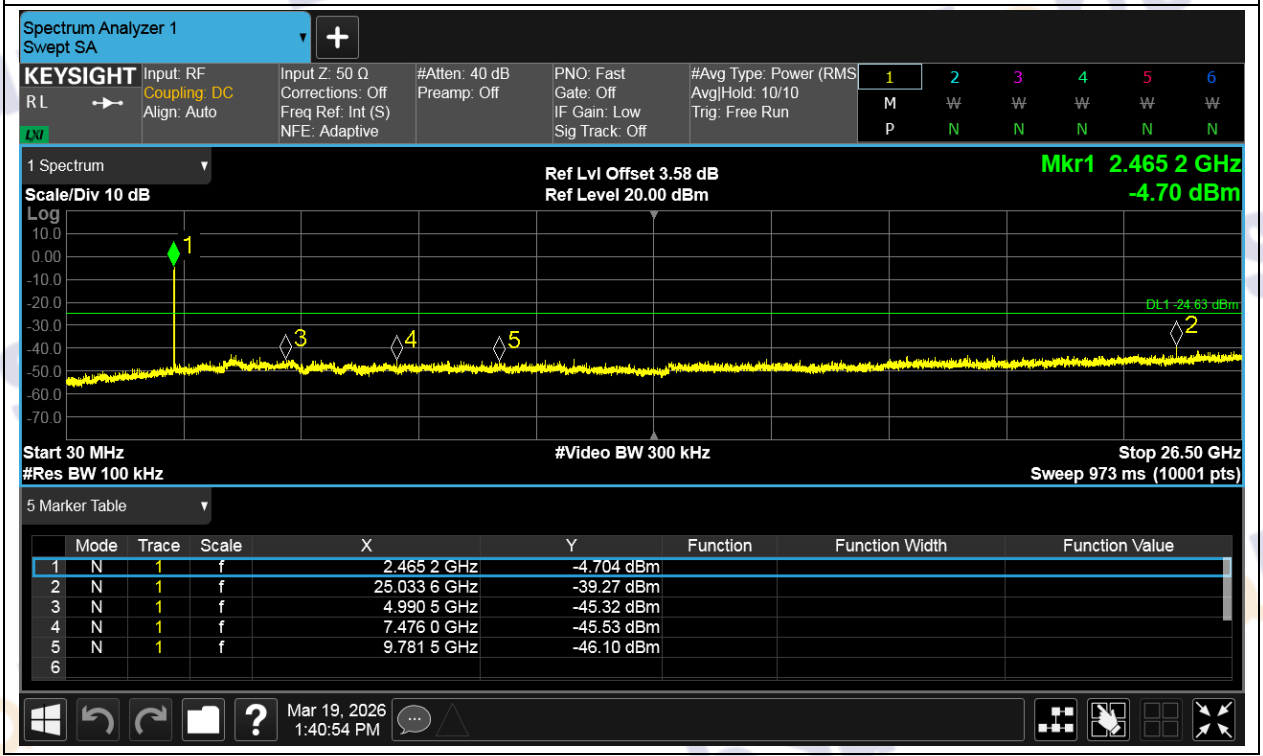


Tx. Spurious NVNT n20 2437MHz Ant1 Emission



Tx. Spurious NVNT n20 2462MHz Ant1 Ref



Tx. Spurious NVNT n20 2462MHz Ant1 Emission