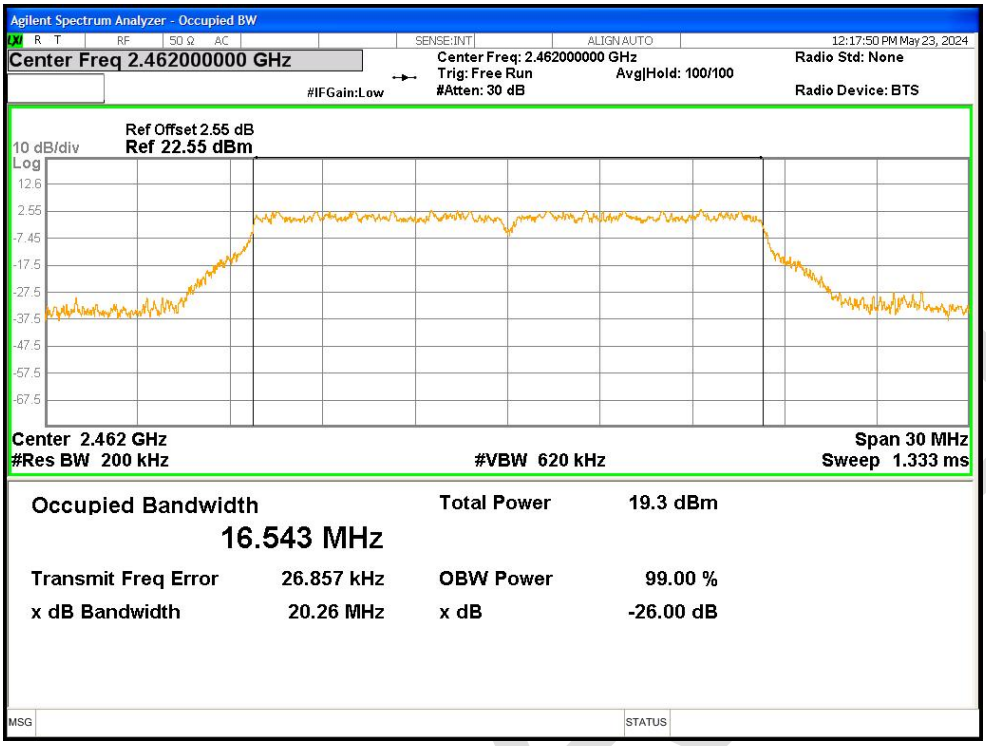
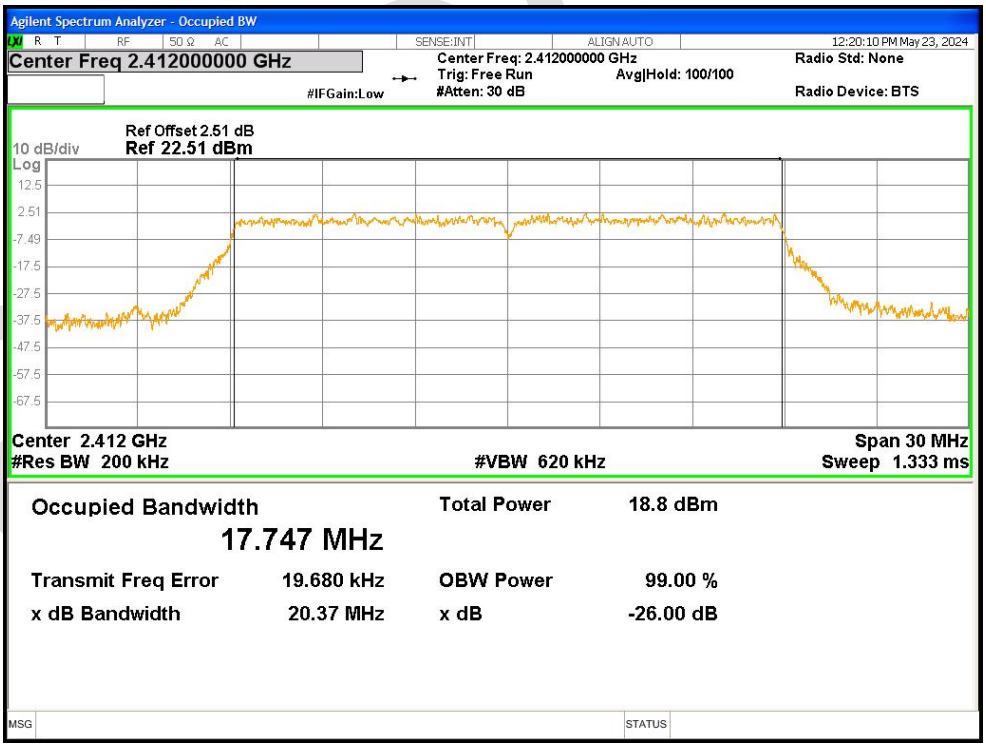
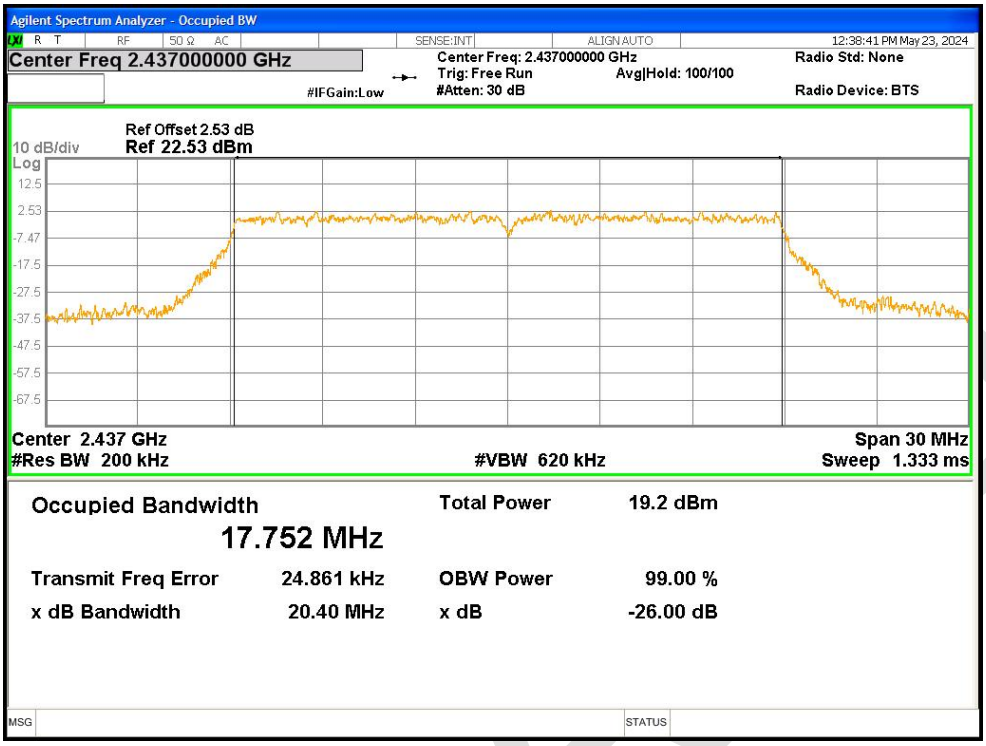


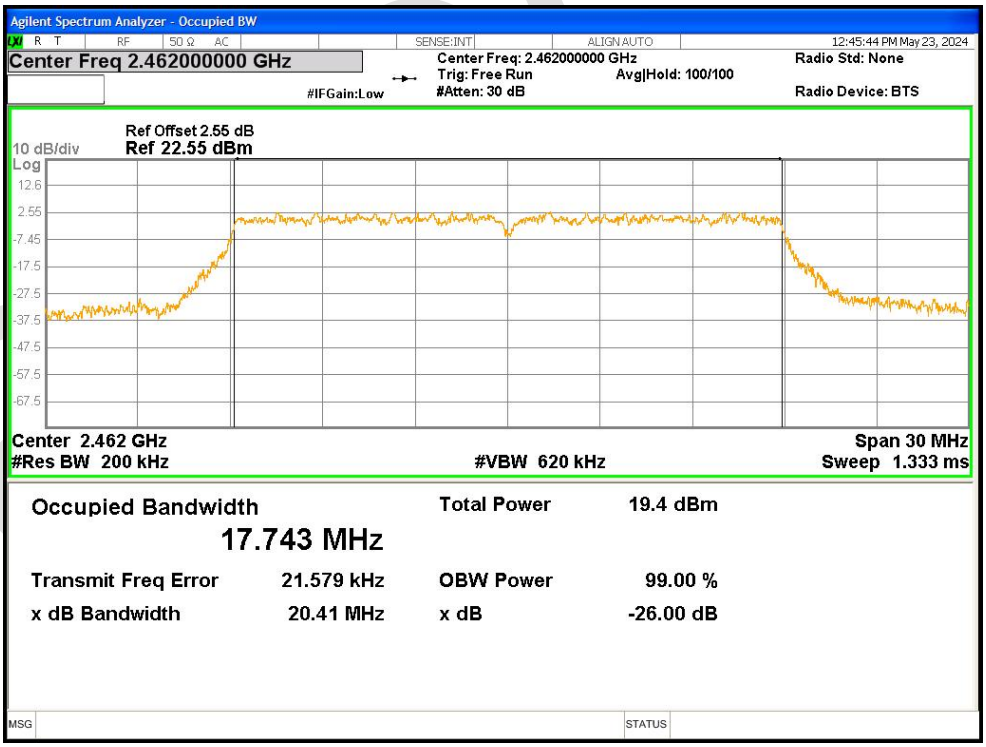
OBW NVNT n20 2412MHz Ant1



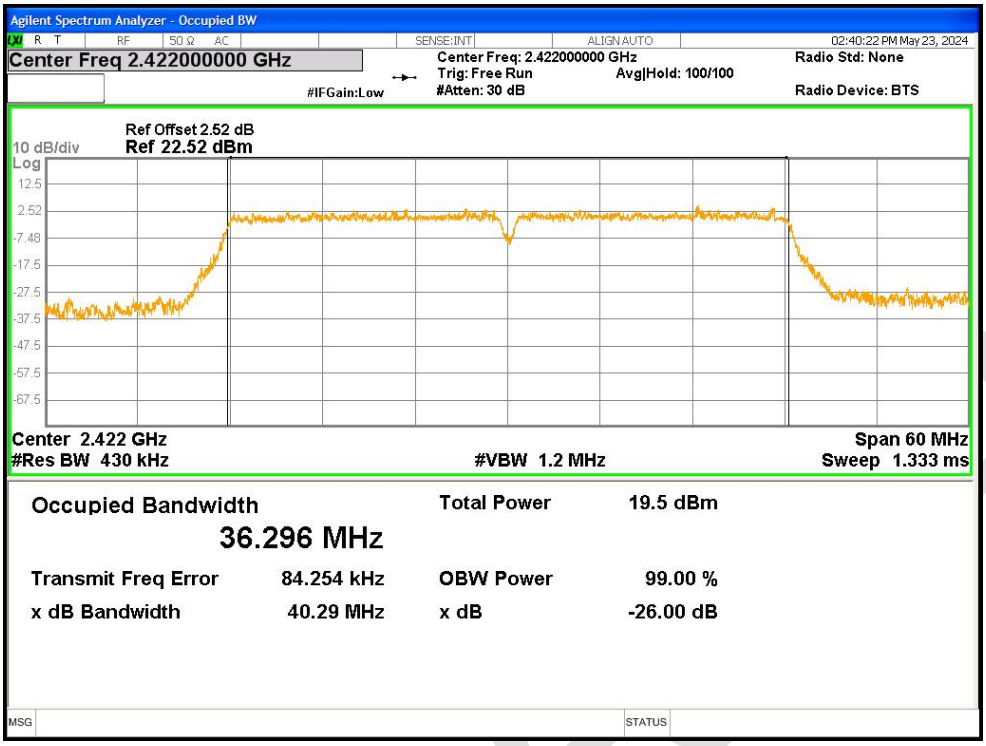
OBW NVNT n20 2437MHz Ant1



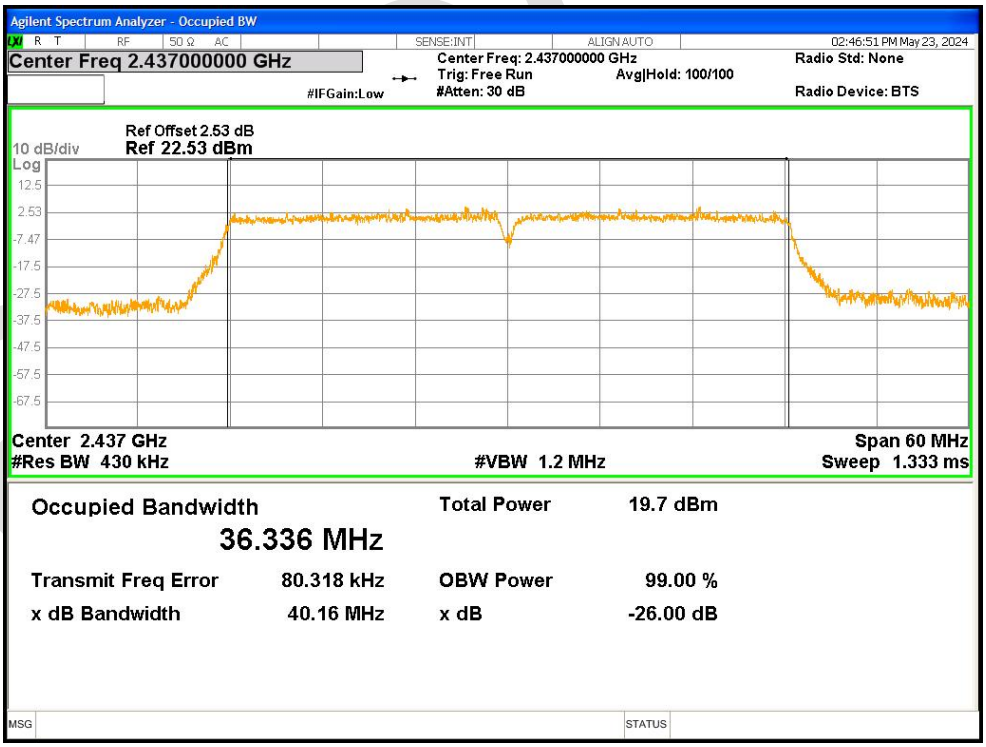
OBW NVNT n20 2462MHz Ant1



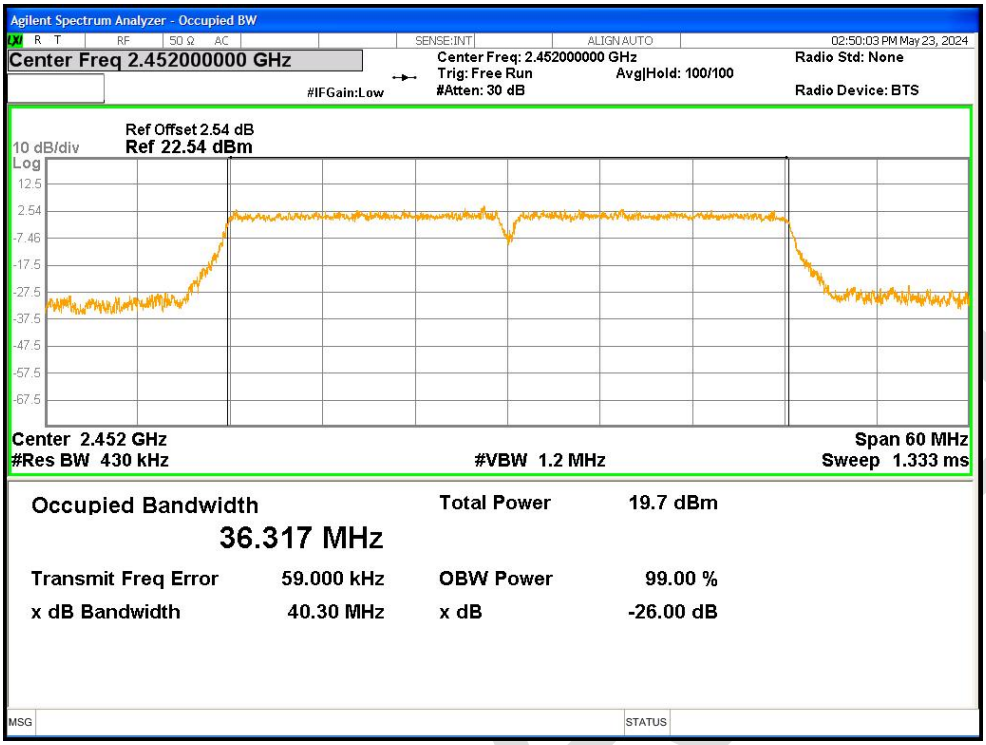
OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



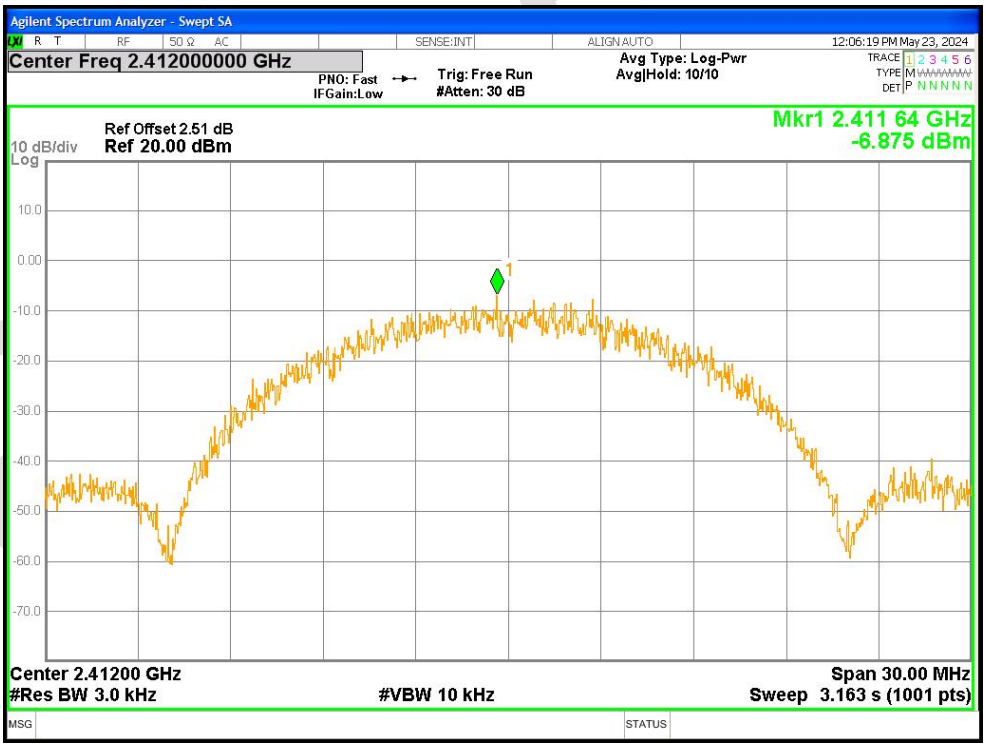
OBW NVNT n40 2452MHz Ant1


Agilent Spectrum Analyzer - Occupied BW
SENSE:INT
ALIGN AUTO
02:50:03 PM May 23, 2024
Center Freq 2.452000000 GHz
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
Ref Offset 2.54 dB
10 dB/div
Ref 22.54 dBm
Log
12.5
2.54
-7.46
-17.5
-27.5
-37.5
-47.5
-57.5
-67.5
Center 2.452 GHz
#Res BW 430 kHz
#VBW 1.2 MHz
Span 60 MHz
Sweep 1.333 ms
Occupied Bandwidth
36.317 MHz
Total Power 19.7 dBm
Transmit Freq Error 59.000 kHz
OBW Power 99.00 %
x dB Bandwidth 40.30 MHz
x dB -26.00 dB
MSG
STATUS

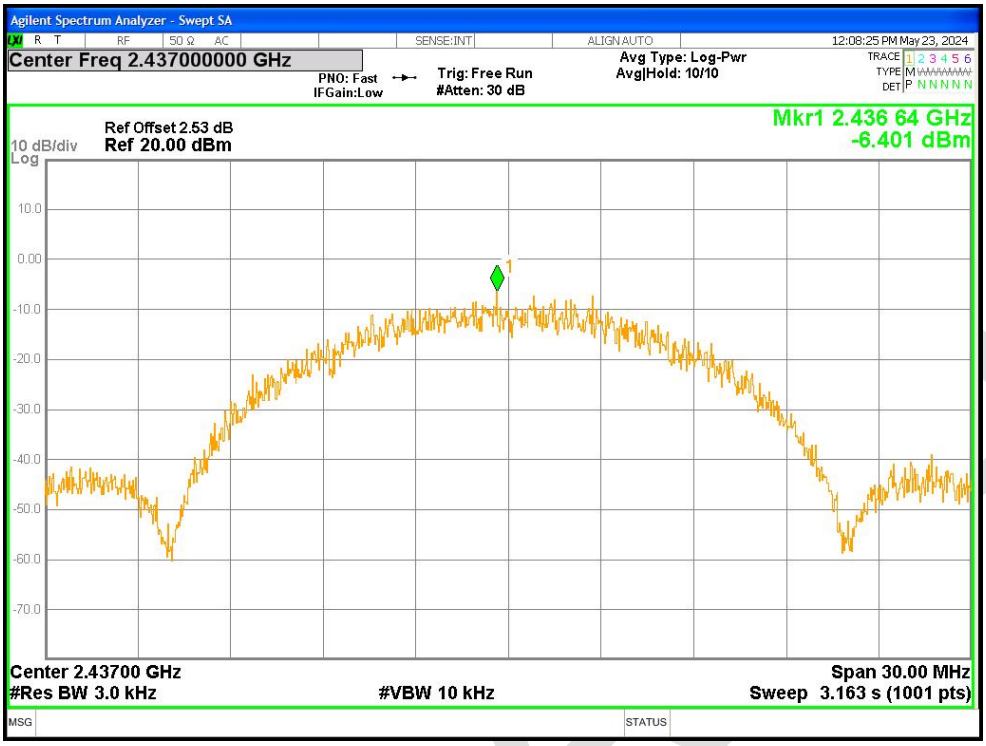
7.4 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-6.875	8	Pass
NVNT	b	2437	Ant1	-6.401	8	Pass
NVNT	b	2462	Ant1	-6.278	8	Pass
NVNT	g	2412	Ant1	-12.096	8	Pass
NVNT	g	2437	Ant1	-12.127	8	Pass
NVNT	g	2462	Ant1	-11.046	8	Pass
NVNT	n20	2412	Ant1	-12.72	8	Pass
NVNT	n20	2437	Ant1	-12.701	8	Pass
NVNT	n20	2462	Ant1	-12.334	8	Pass
NVNT	n40	2422	Ant1	-15.893	8	Pass
NVNT	n40	2437	Ant1	-15.839	8	Pass
NVNT	n40	2452	Ant1	-15.586	8	Pass

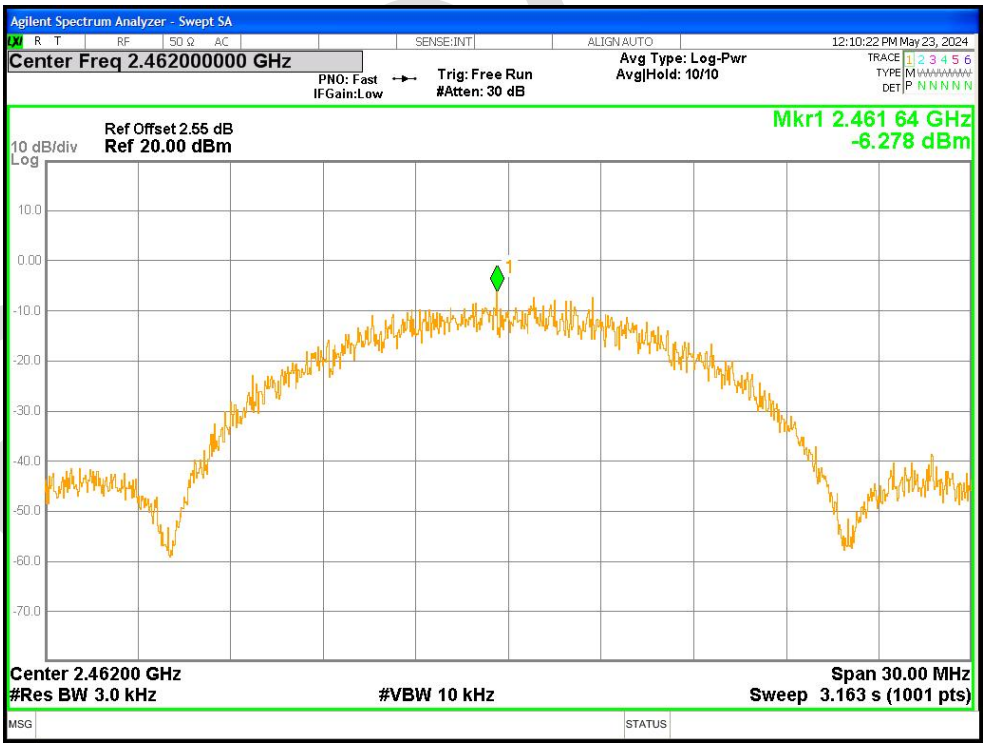
PSD NVNT b 2412MHz Ant1



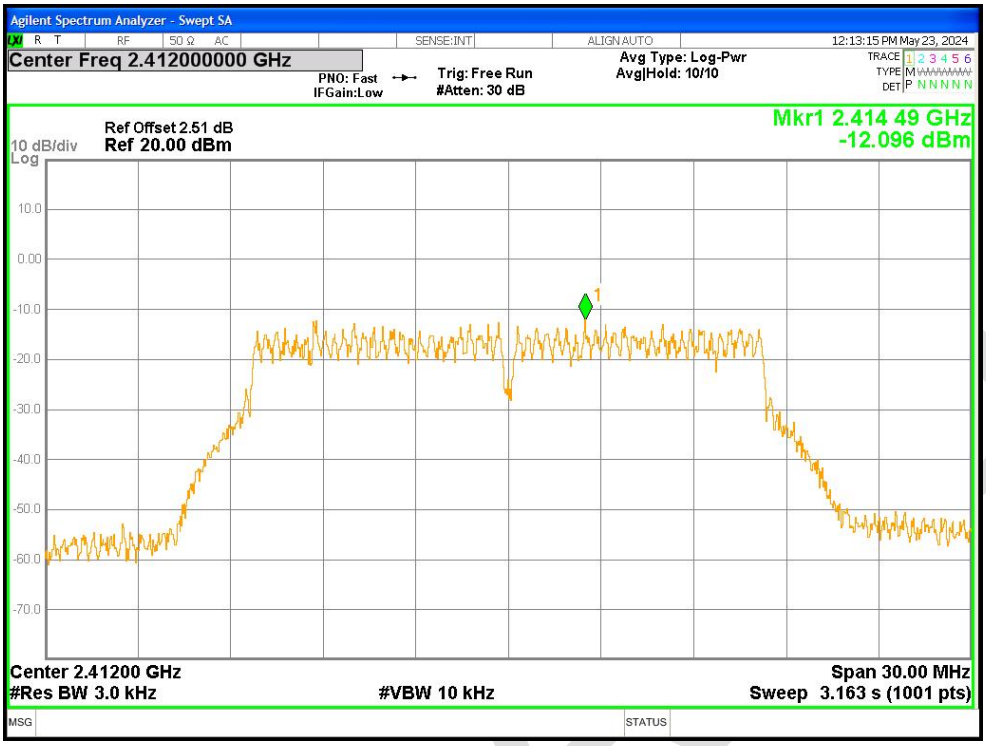
PSD NVNT b 2437MHz Ant1



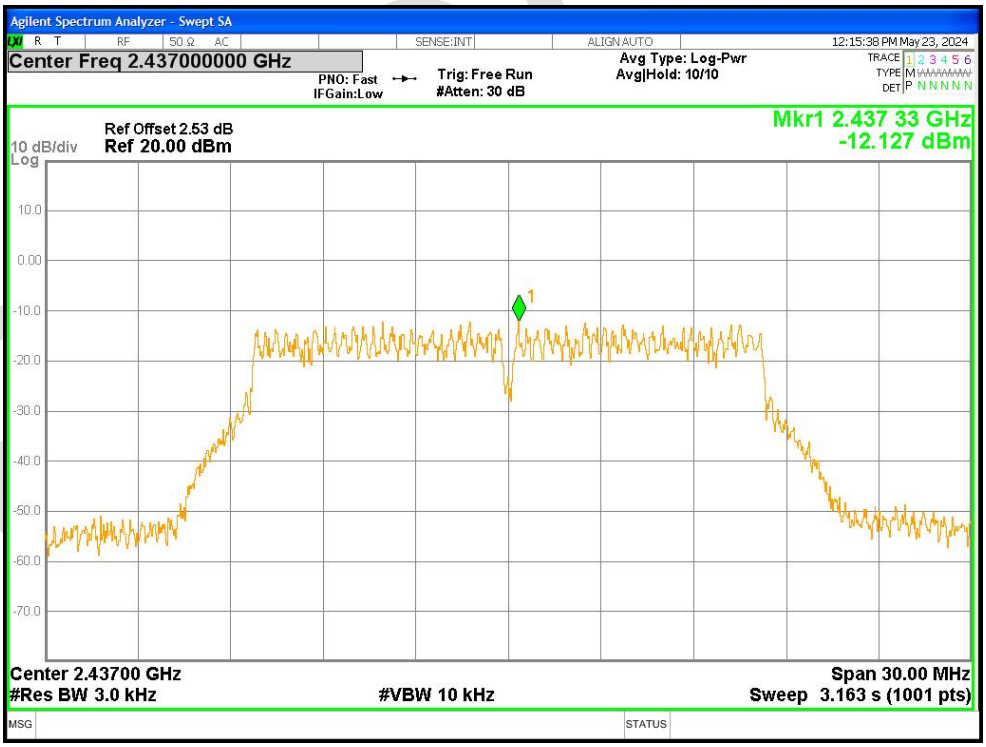
PSD NVNT b 2462MHz Ant1



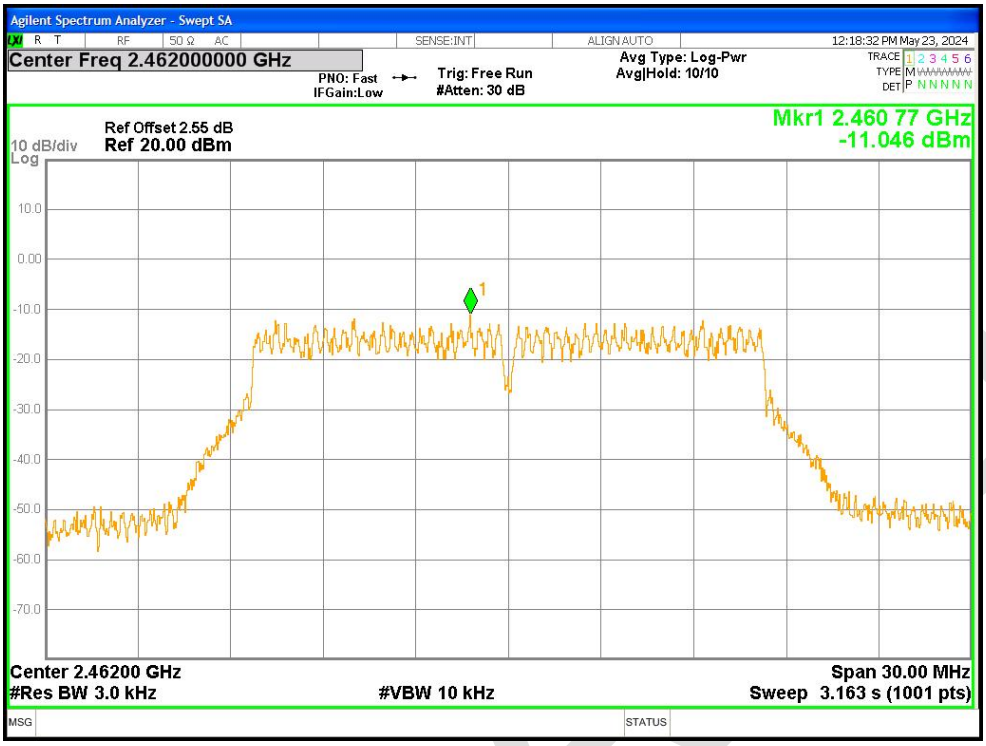
PSD NVNT g 2412MHz Ant1



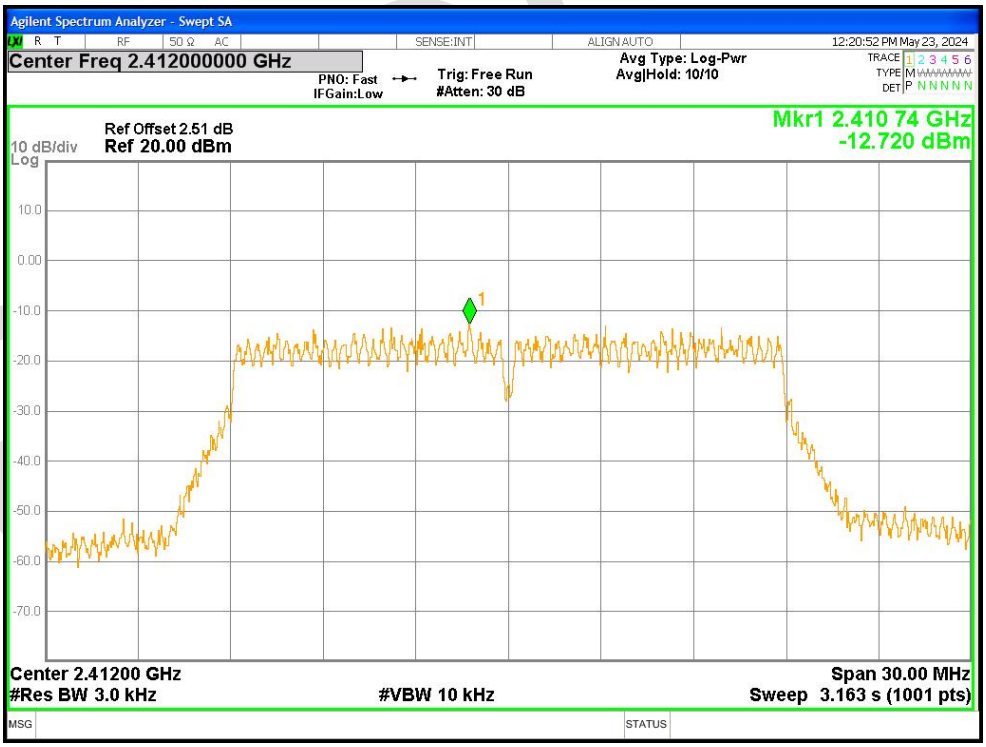
PSD NVNT g 2437MHz Ant1



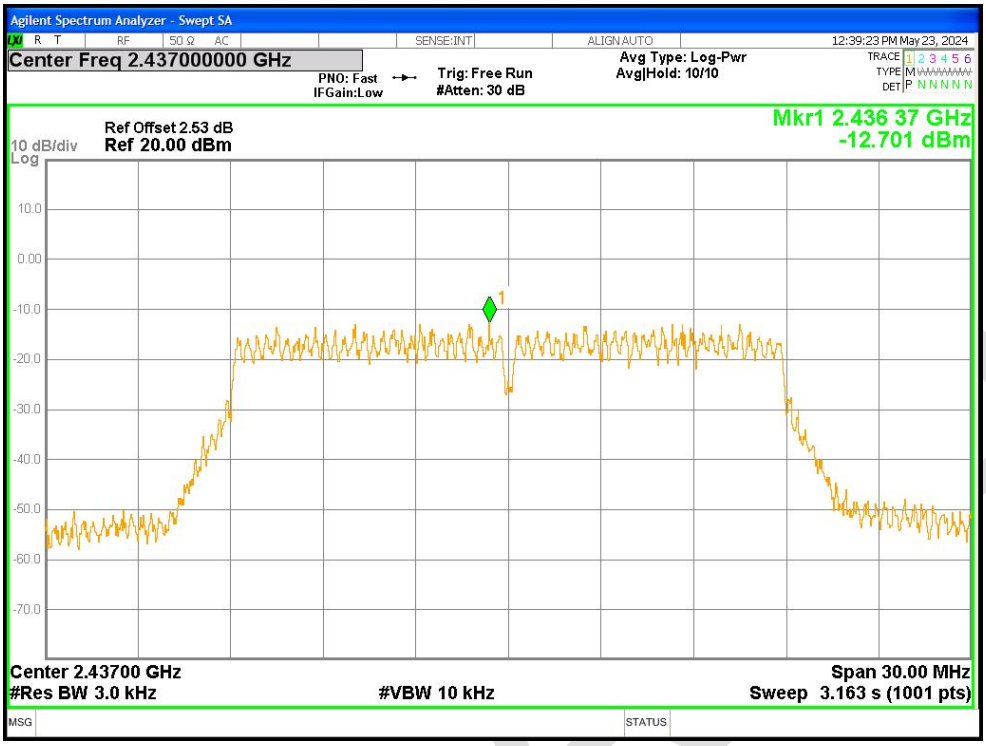
PSD NVNT g 2462MHz Ant1



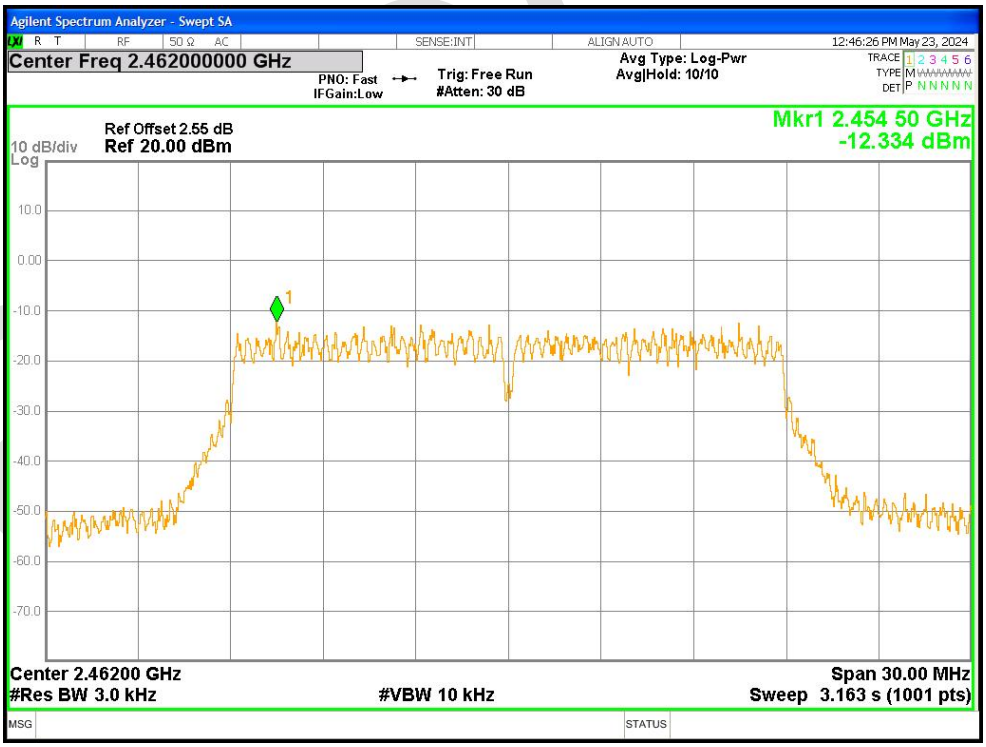
PSD NVNT n20 2412MHz Ant1



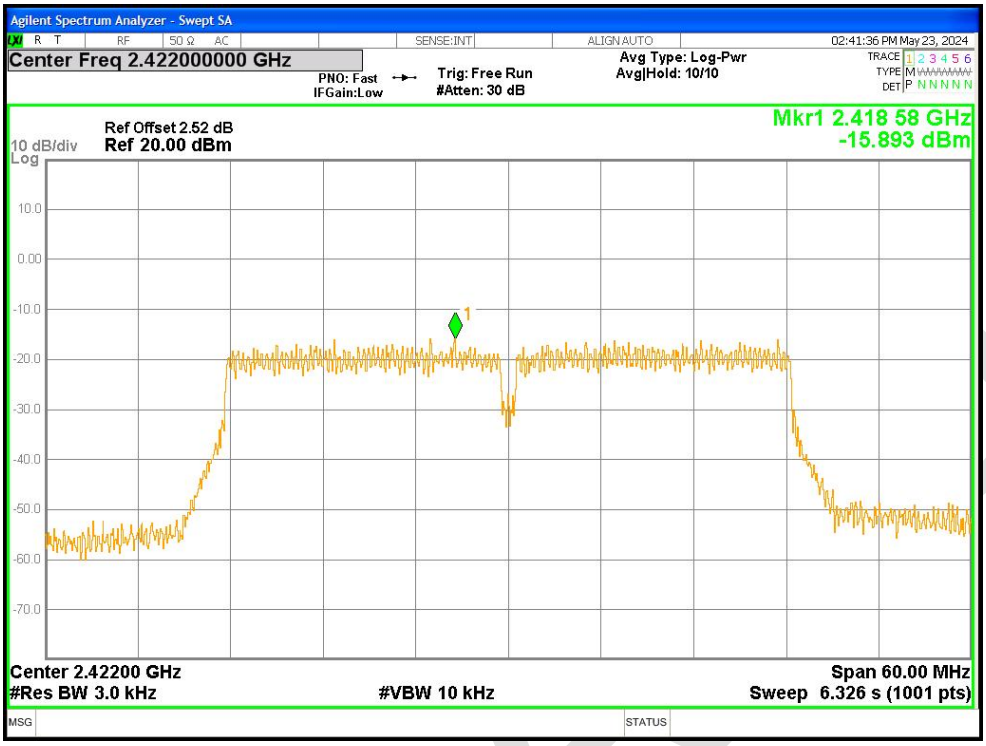
PSD NVNT n20 2437MHz Ant1



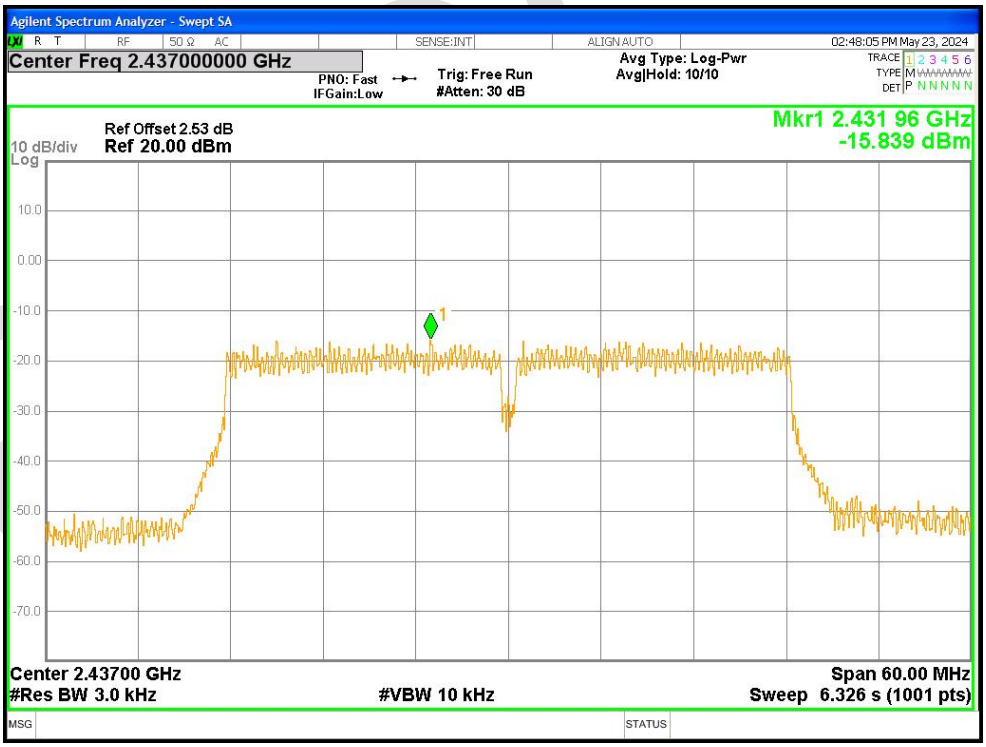
PSD NVNT n20 2462MHz Ant1



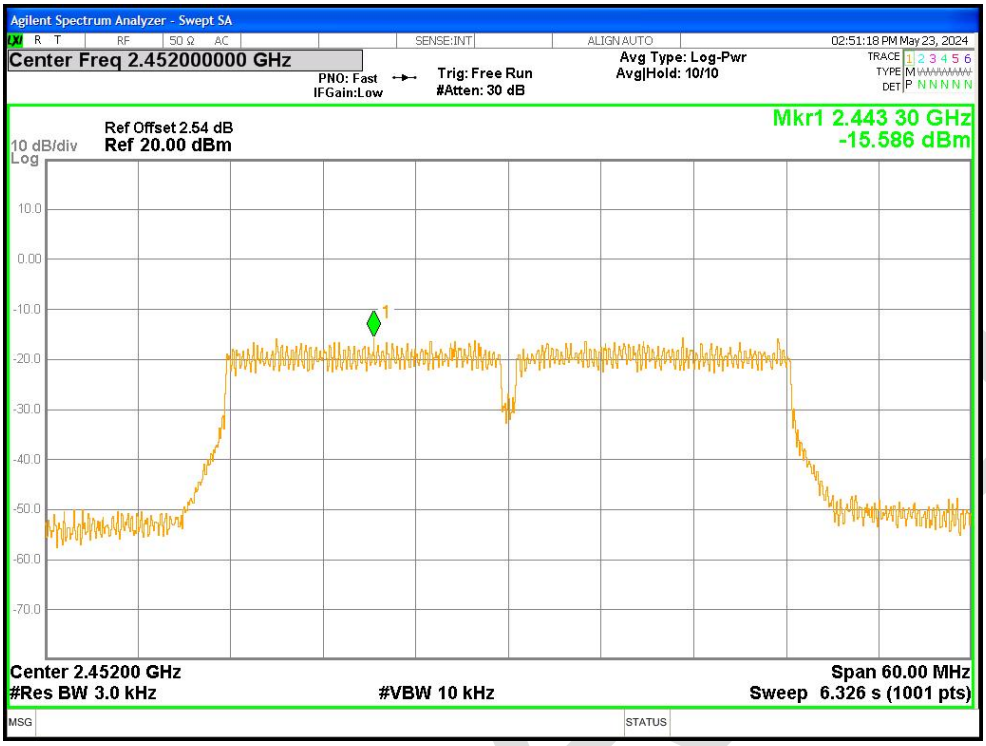
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



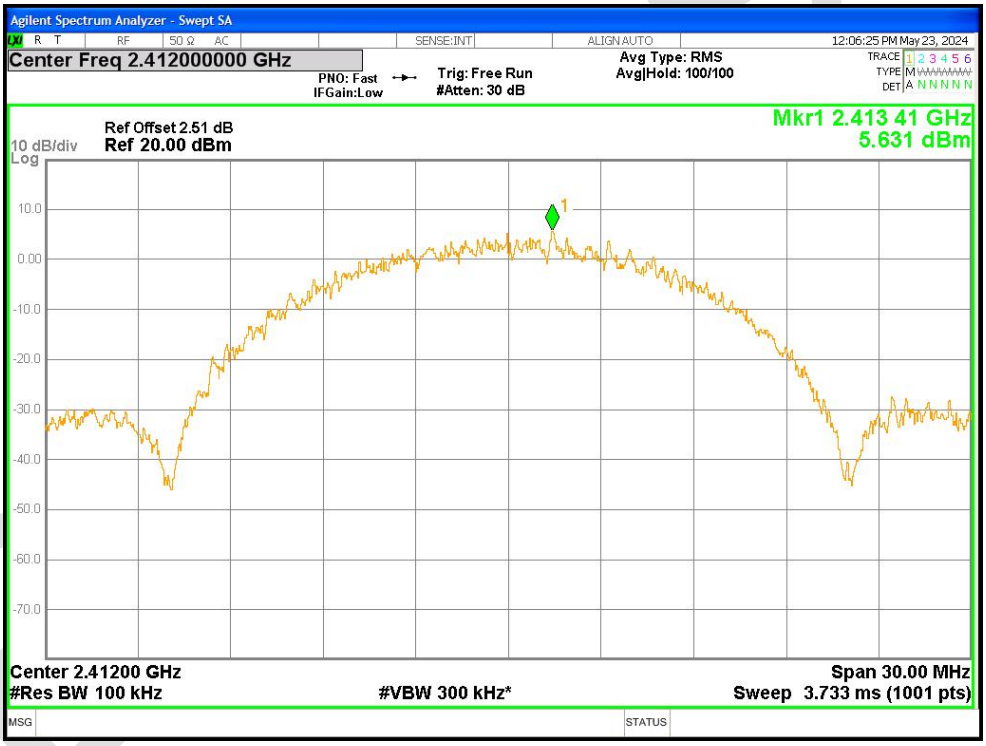
PSD NVNT n40 2452MHz Ant1


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.452000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 10/10
02:51:18 PM May 23, 2024
Ref Offset 2.54 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.443 30 GHz
-15.586 dBm
Center 2.45200 GHz
#Res BW 3.0 kHz
#VBW 10 kHz
Span 60.00 MHz
Sweep 6.326 s (1001 pts)

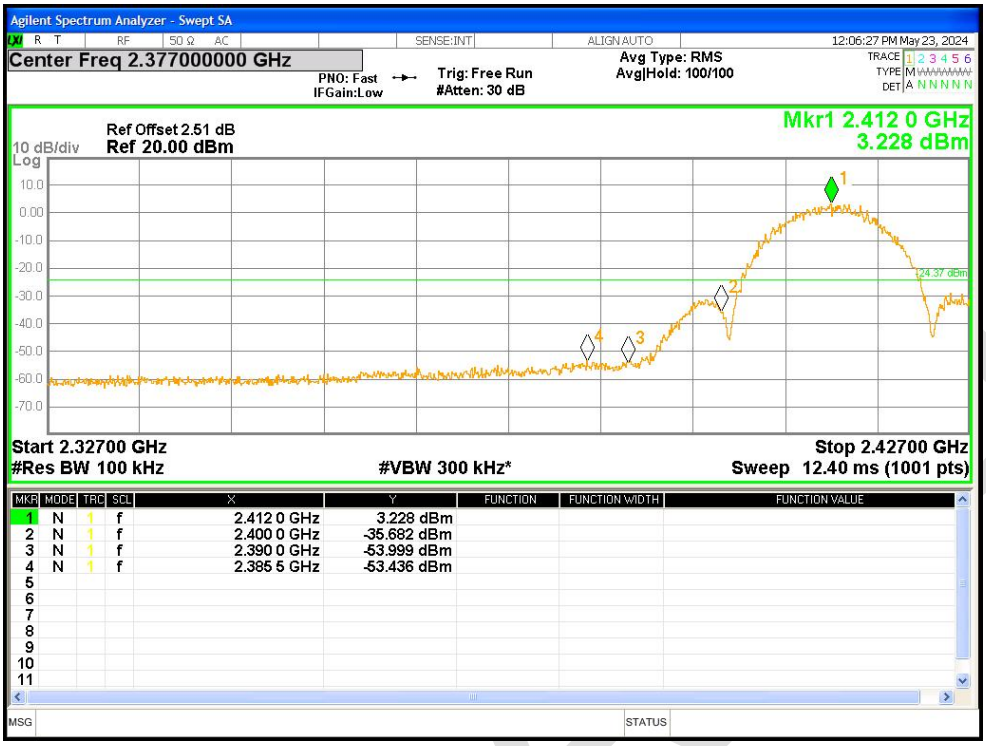
7.5 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-59.06	-30	Pass
NVNT	b	2462	Ant1	-56.74	-30	Pass
NVNT	g	2412	Ant1	-50.85	-30	Pass
NVNT	g	2462	Ant1	-45.05	-30	Pass
NVNT	n20	2412	Ant1	-47.87	-30	Pass
NVNT	n20	2462	Ant1	-44.91	-30	Pass
NVNT	n40	2422	Ant1	-38.67	-30	Pass
NVNT	n40	2452	Ant1	-32.69	-30	Pass

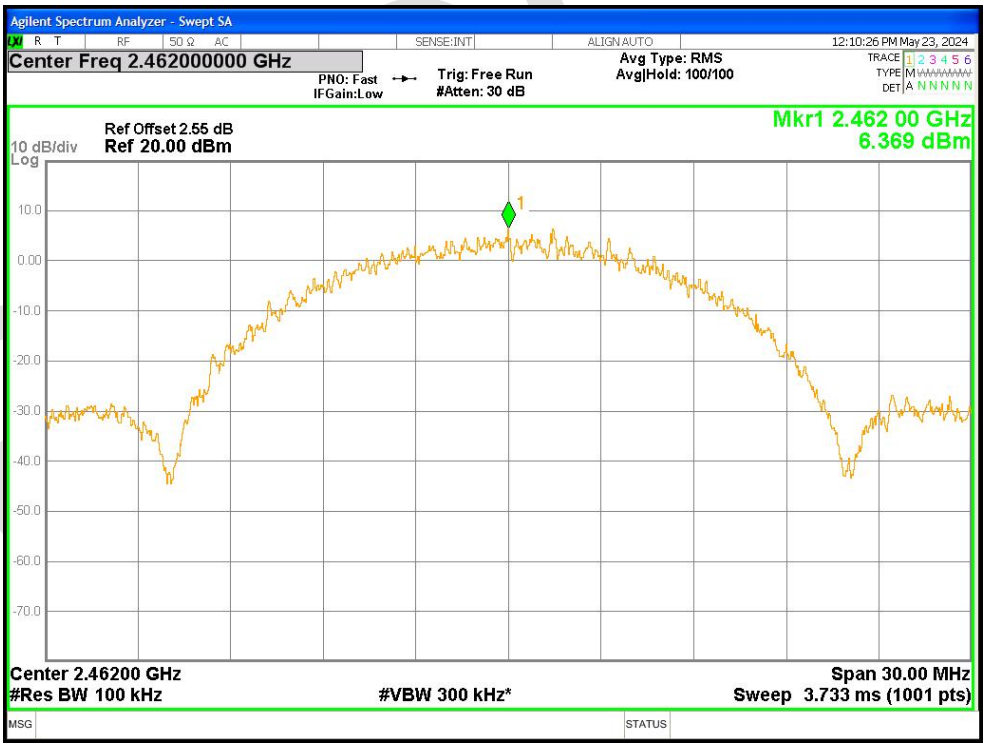
Band Edge NVNT b 2412MHz Ant1 Ref



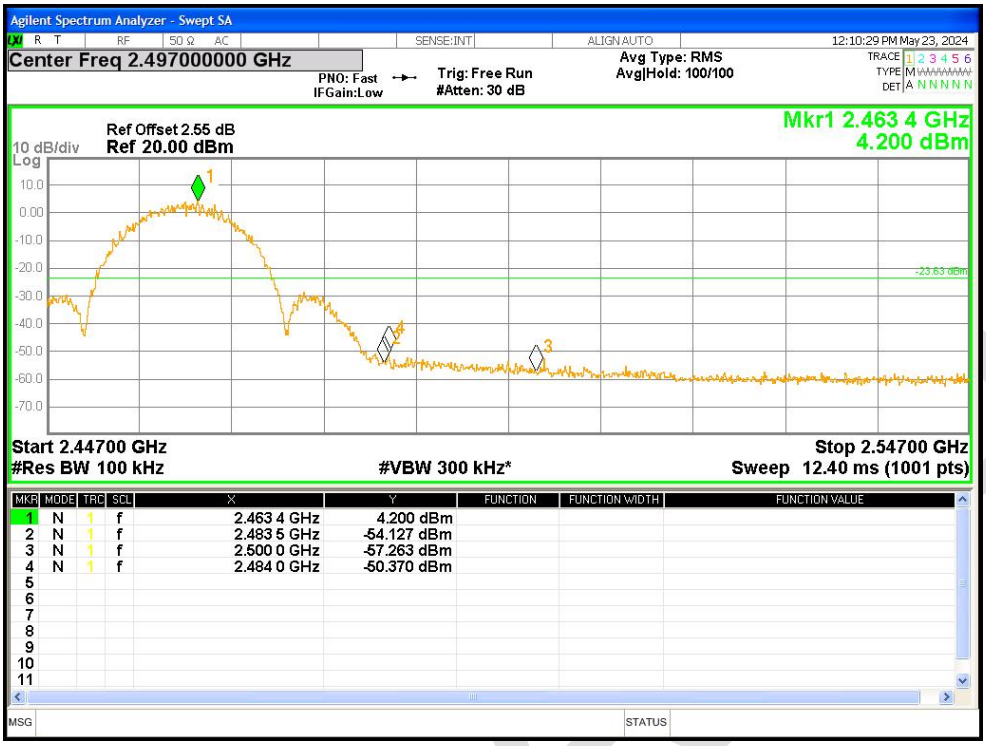
Band Edge NVNT b 2412MHz Ant1 Emission



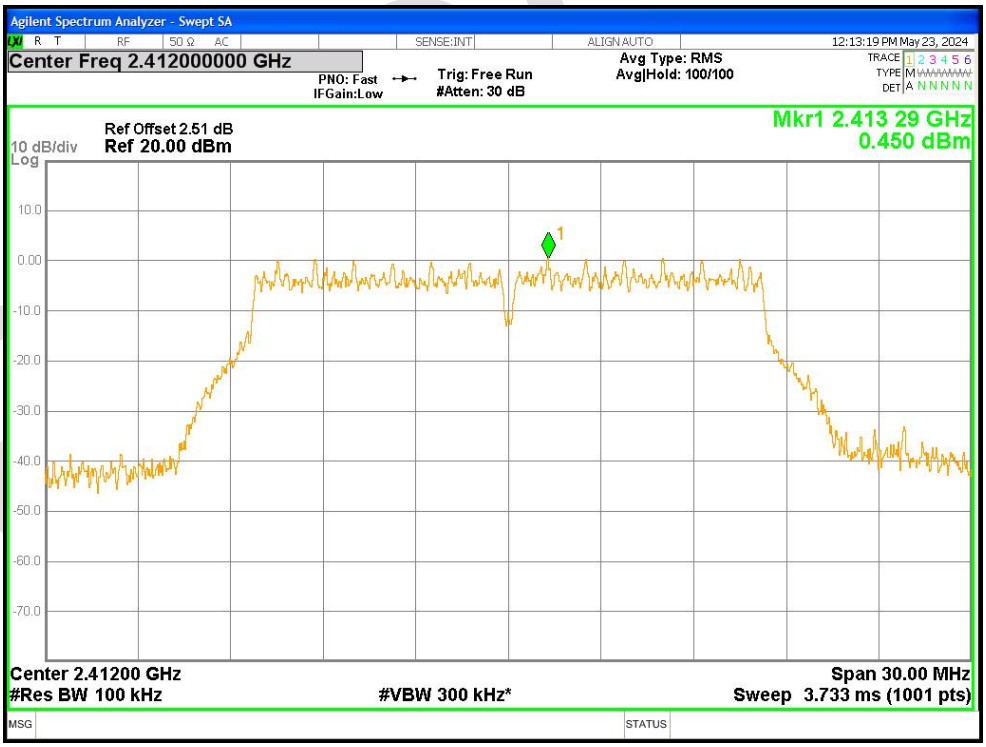
Band Edge NVNT b 2462MHz Ant1 Ref



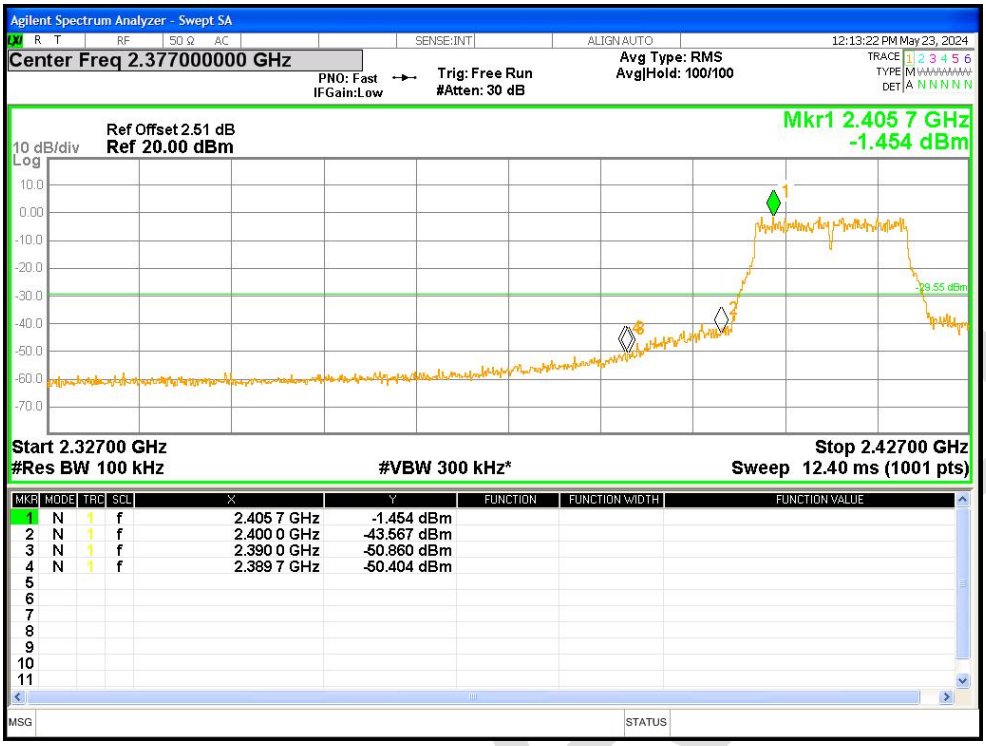
Band Edge NVNT b 2462MHz Ant1 Emission



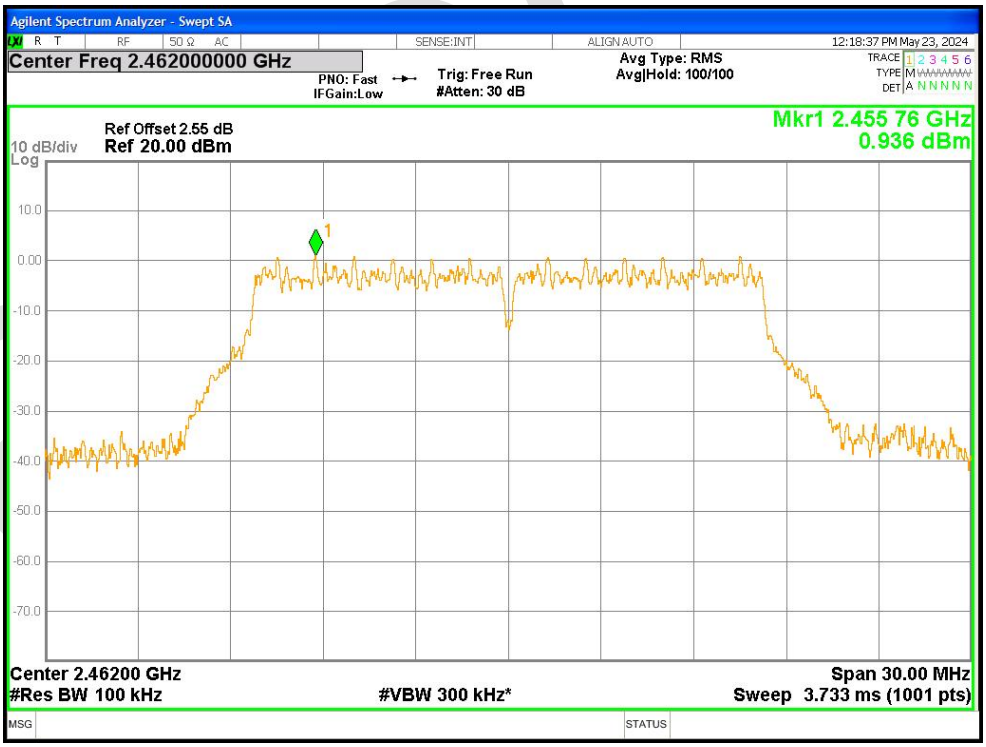
Band Edge NVNT g 2412MHz Ant1 Ref



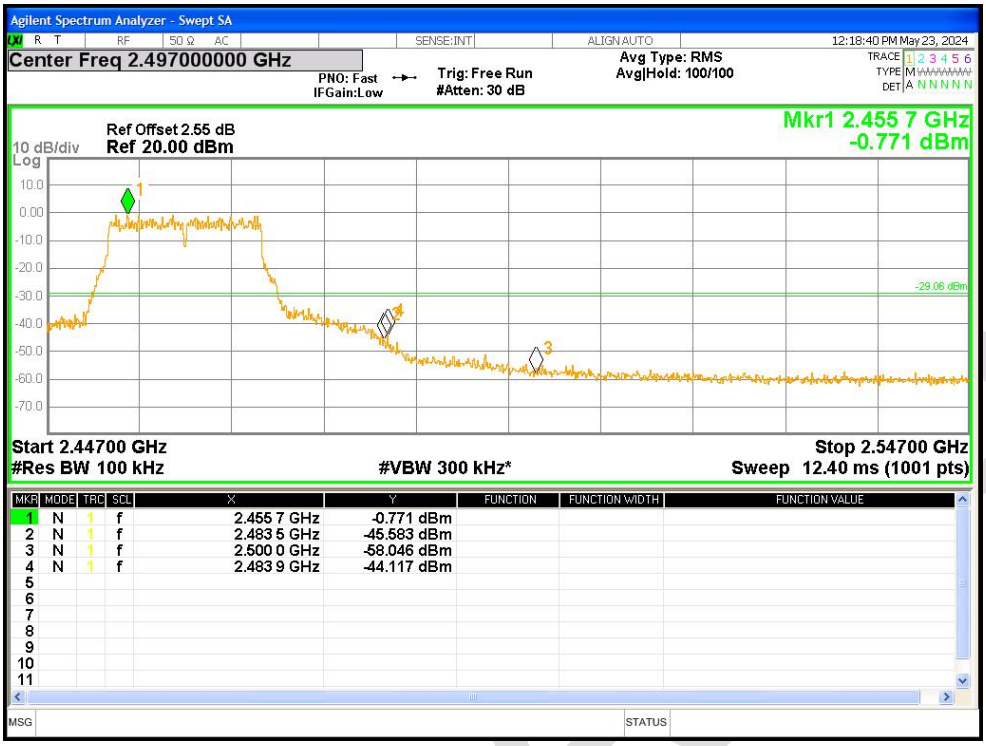
Band Edge NVNT g 2412MHz Ant1 Emission



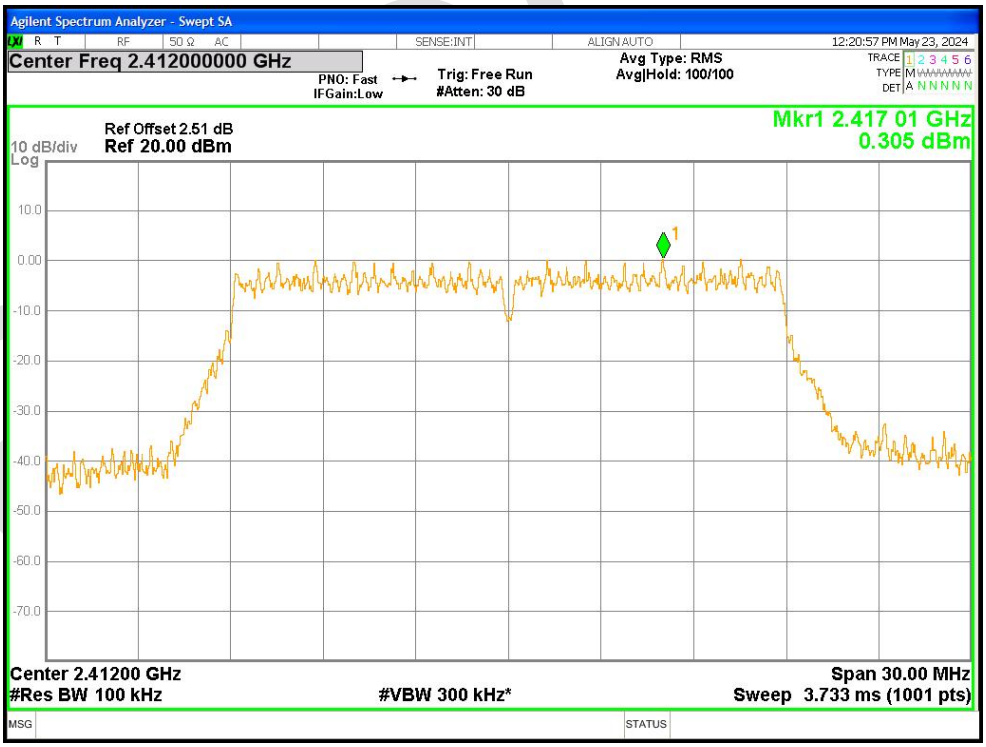
Band Edge NVNT g 2462MHz Ant1 Ref



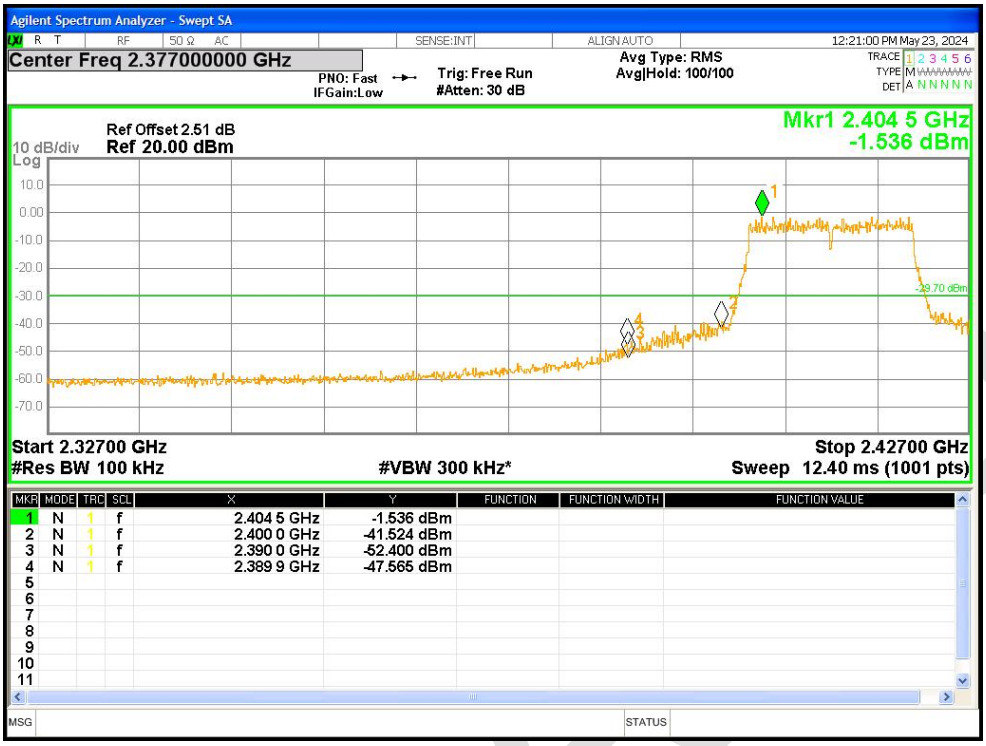
Band Edge NVNT g 2462MHz Ant1 Emission



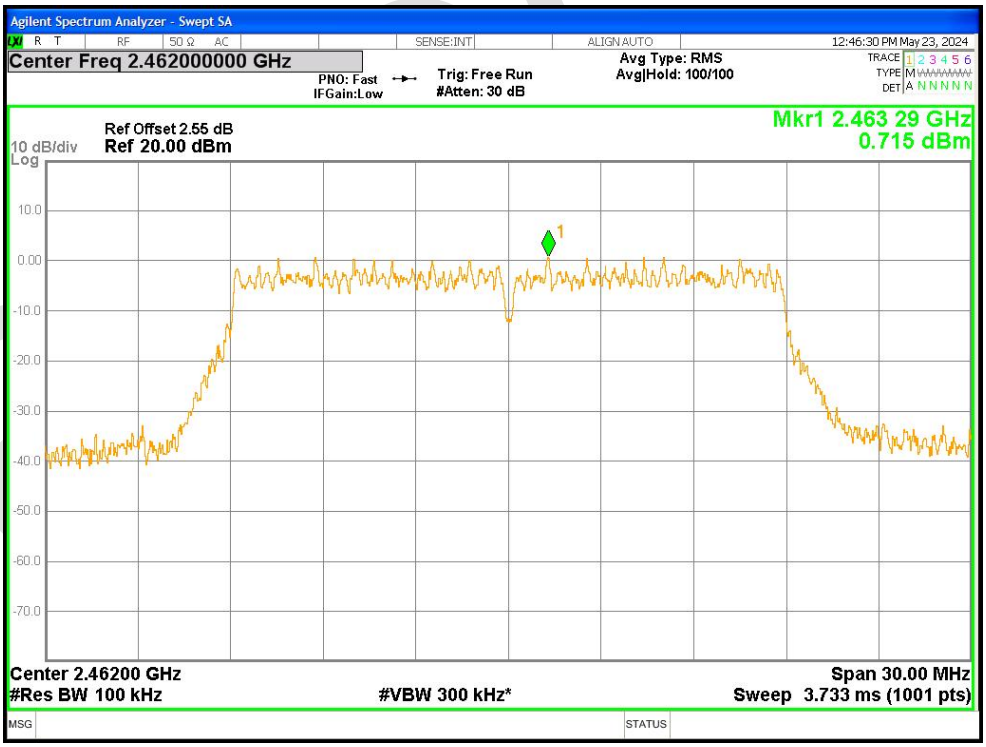
Band Edge NVNT n20 2412MHz Ant1 Ref



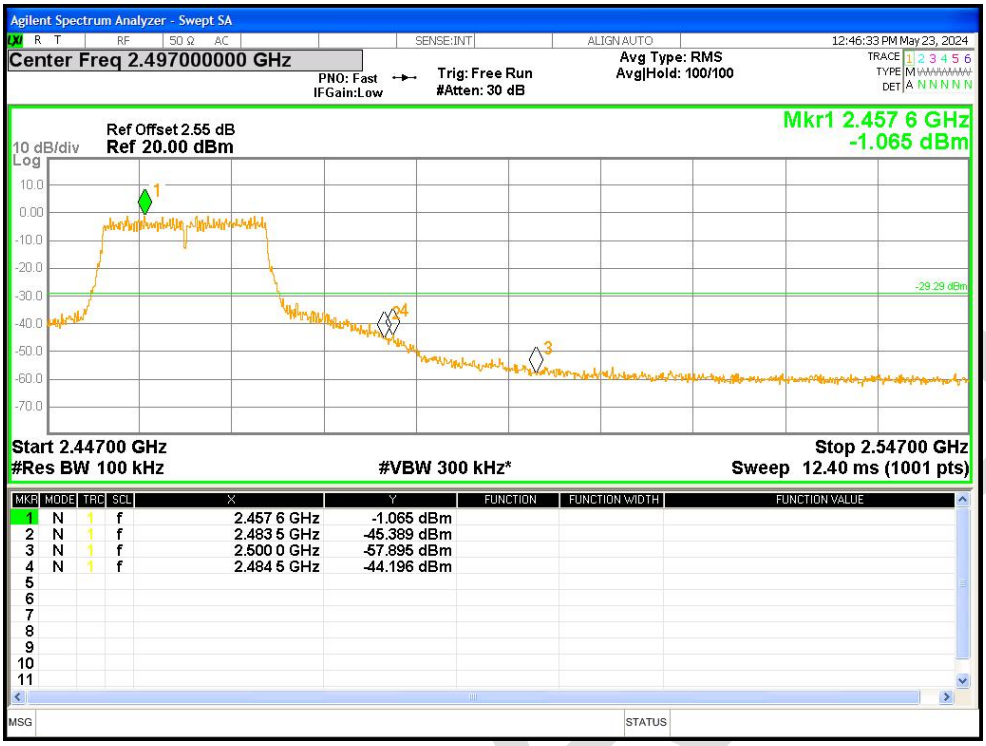
Band Edge NVNT n20 2412MHz Ant1 Emission



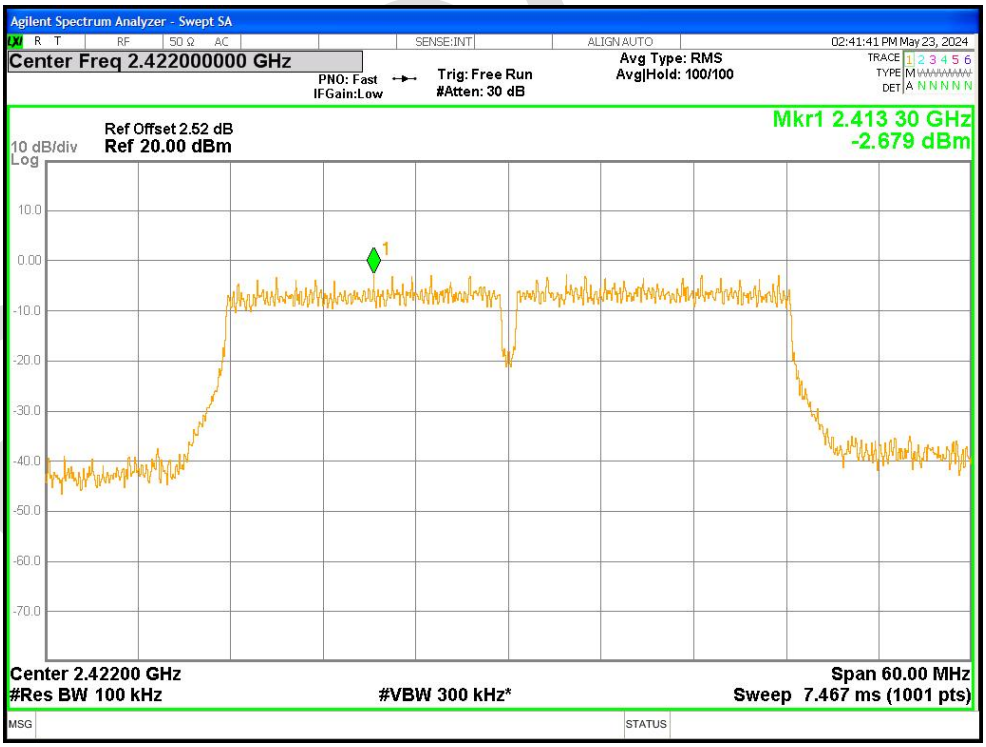
Band Edge NVNT n20 2462MHz Ant1 Ref



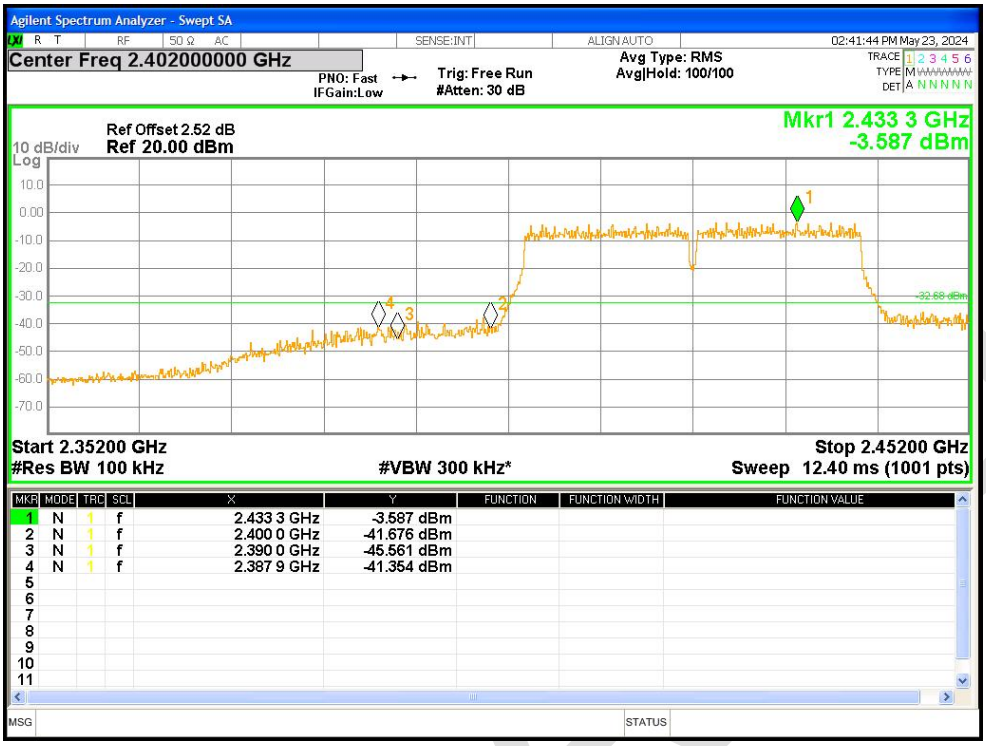
Band Edge NVNT n20 2462MHz Ant1 Emission



Band Edge NVNT n40 2422MHz Ant1 Ref

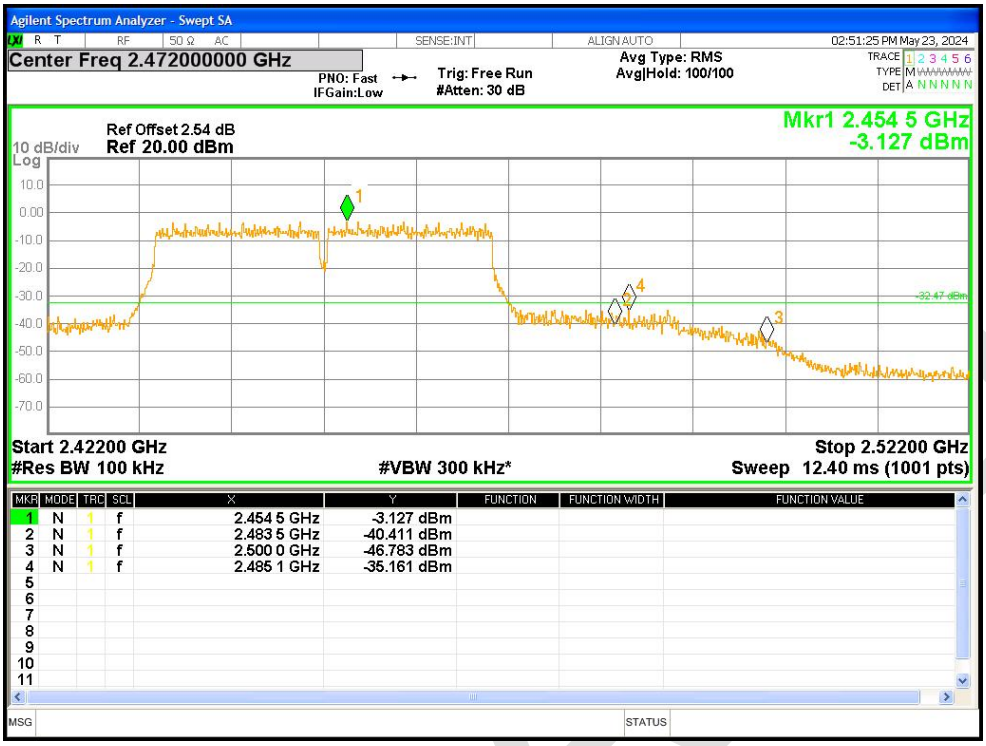


Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref

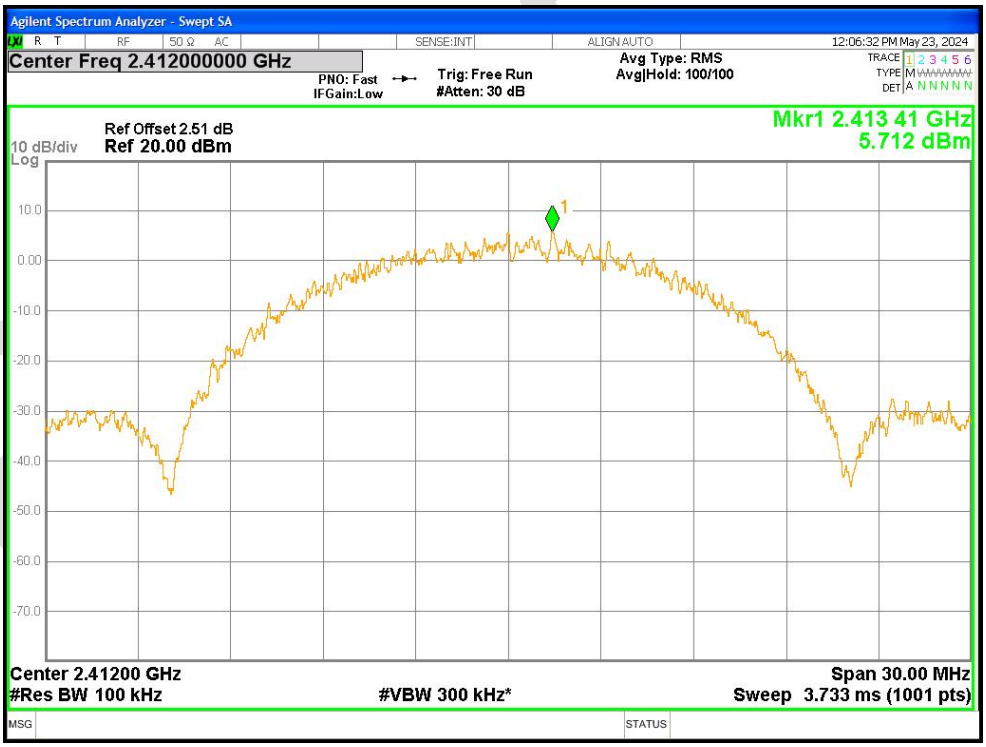
Band Edge NVNT n40 2452MHz Ant1 Emission


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.472000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold: 100/100
02:51:25 PM May 23, 2024
Ref Offset 2.54 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.454 5 GHz
-3.127 dBm
-32.47 dBm
Start 2.42200 GHz
#Res BW 100 kHz
#VBW 300 kHz*
Stop 2.52200 GHz
Sweep 12.40 ms (1001 pts)
1 N 1 f 2.454 5 GHz -3.127 dBm
2 N 1 f 2.483 5 GHz -40.411 dBm
3 N 1 f 2.500 0 GHz -46.783 dBm
4 N 1 f 2.485 1 GHz -35.161 dBm

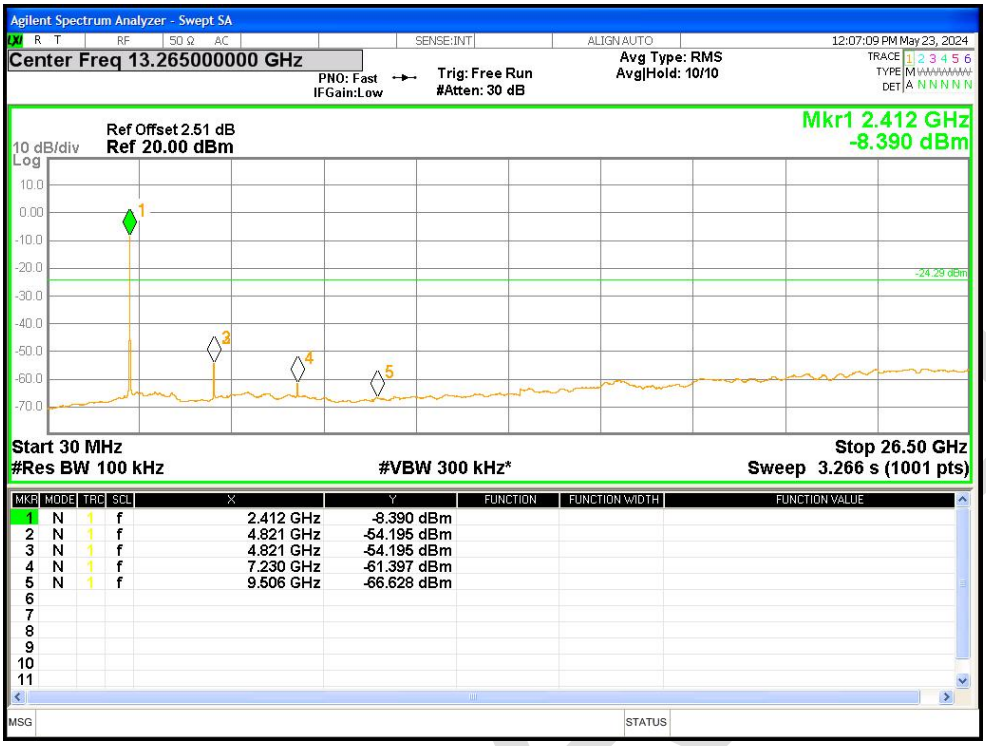
7.6 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-59.9	-30	Pass
NVNT	b	2437	Ant1	-62.08	-30	Pass
NVNT	b	2462	Ant1	-62.46	-30	Pass
NVNT	g	2412	Ant1	-56.56	-30	Pass
NVNT	g	2437	Ant1	-57.22	-30	Pass
NVNT	g	2462	Ant1	-57.09	-30	Pass
NVNT	n20	2412	Ant1	-56.53	-30	Pass
NVNT	n20	2437	Ant1	-57.09	-30	Pass
NVNT	n20	2462	Ant1	-56.99	-30	Pass
NVNT	n40	2422	Ant1	-53.51	-30	Pass
NVNT	n40	2437	Ant1	-53.97	-30	Pass
NVNT	n40	2452	Ant1	-53.78	-30	Pass

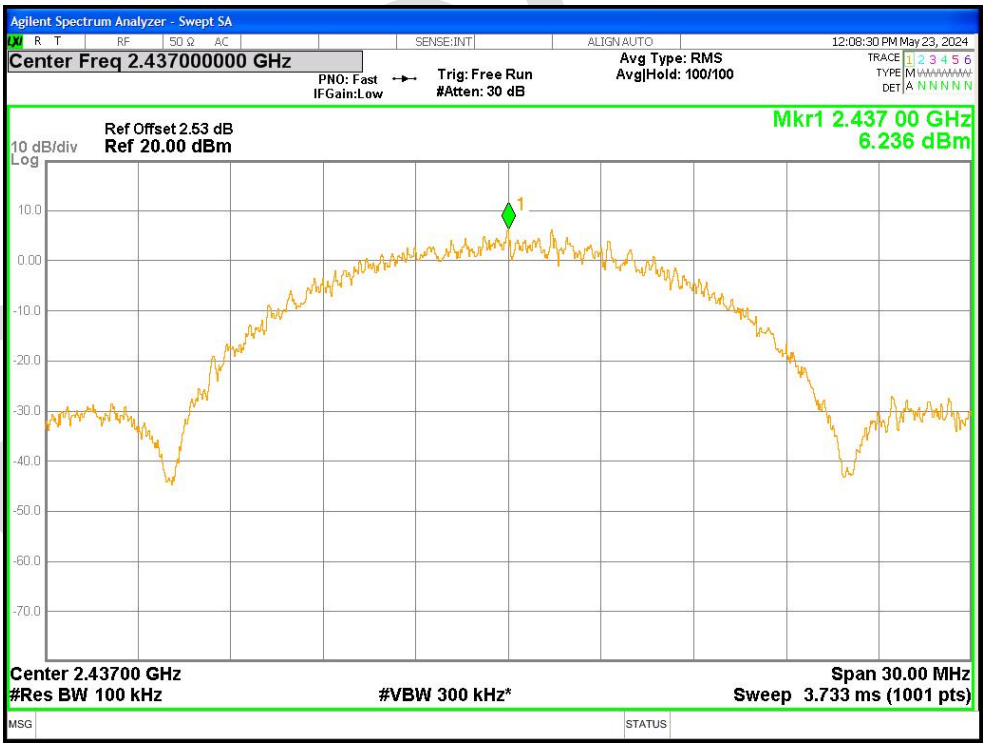
Tx. Spurious NVNT b 2412MHz Ant1 Ref



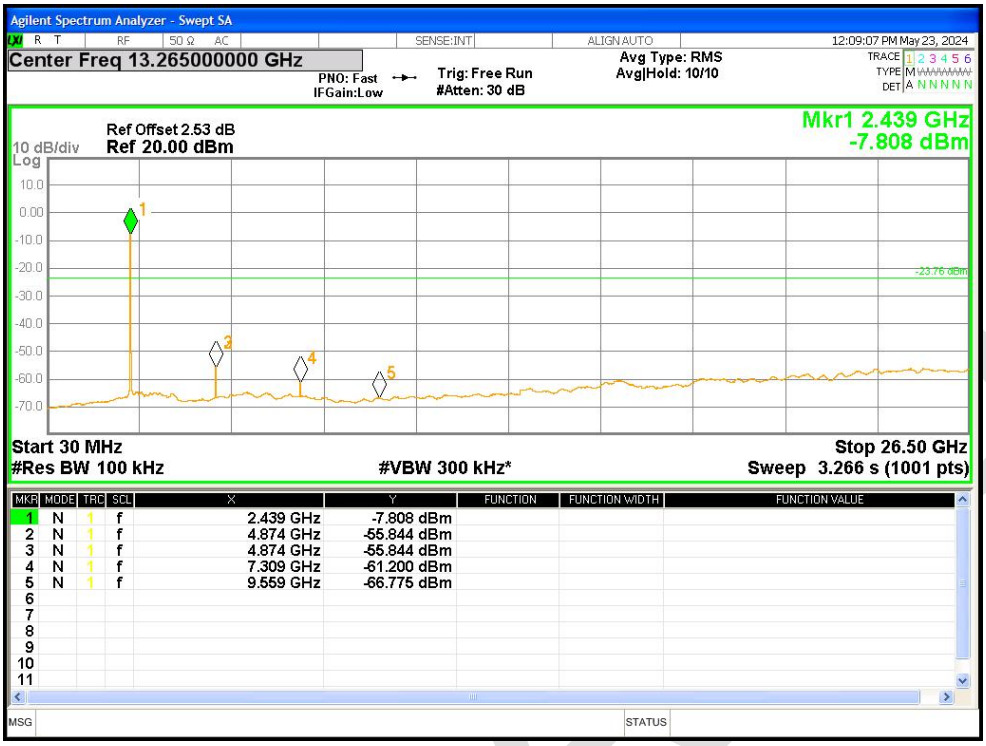
Tx. Spurious NVNT b 2412MHz Ant1 Emission



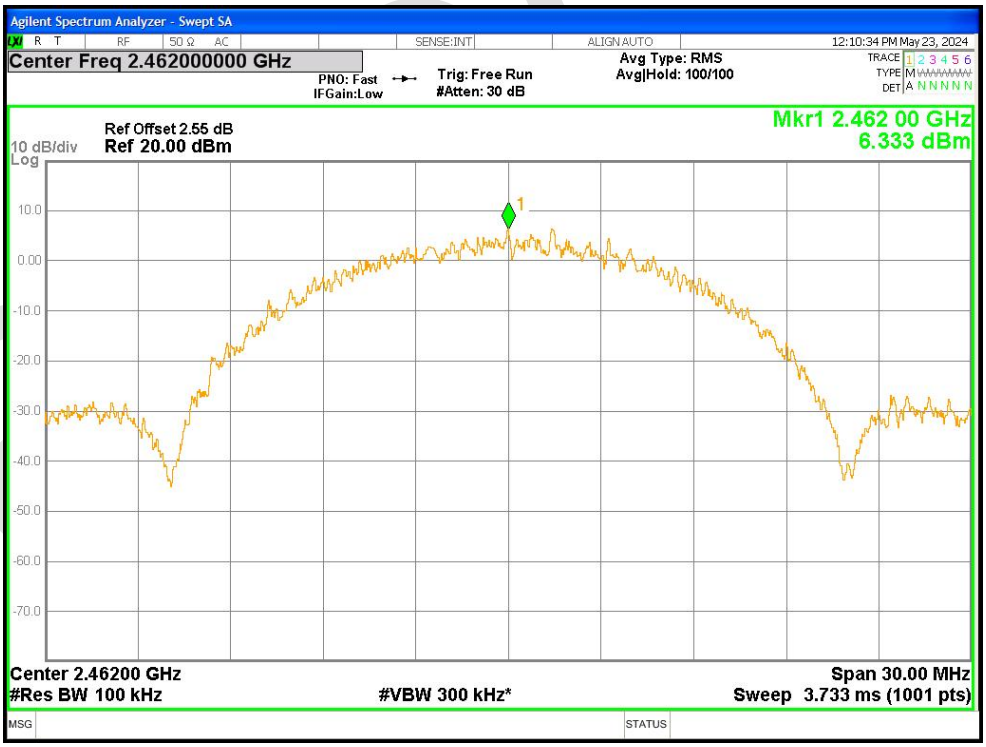
Tx. Spurious NVNT b 2437MHz Ant1 Ref



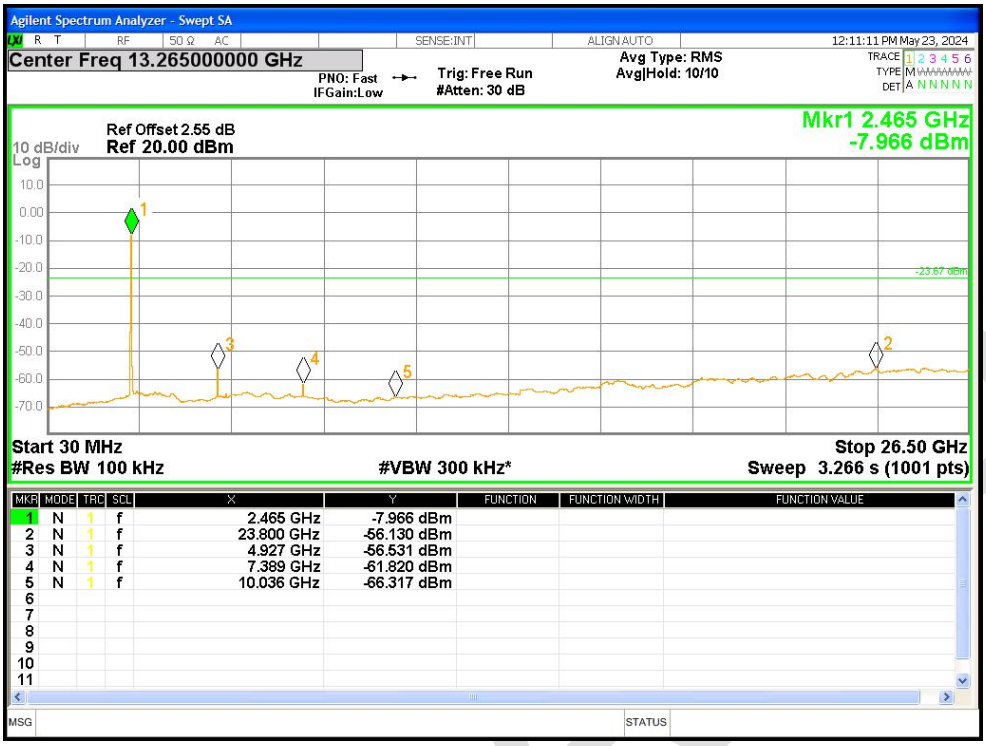
Tx. Spurious NVNT b 2437MHz Ant1 Emission



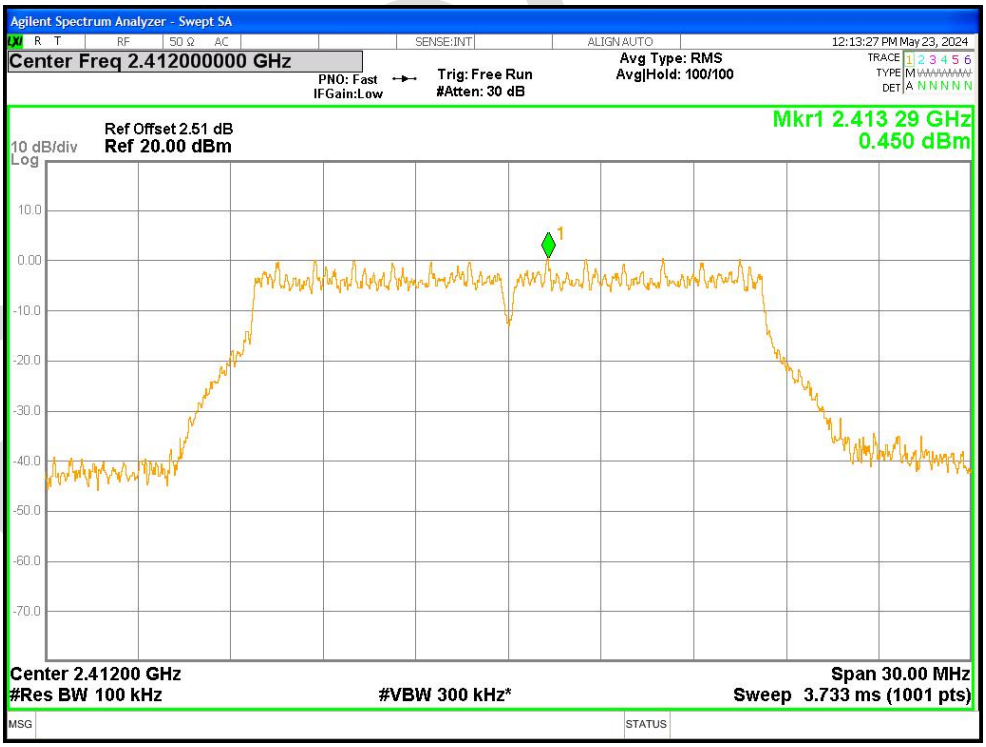
Tx. Spurious NVNT b 2462MHz Ant1 Ref



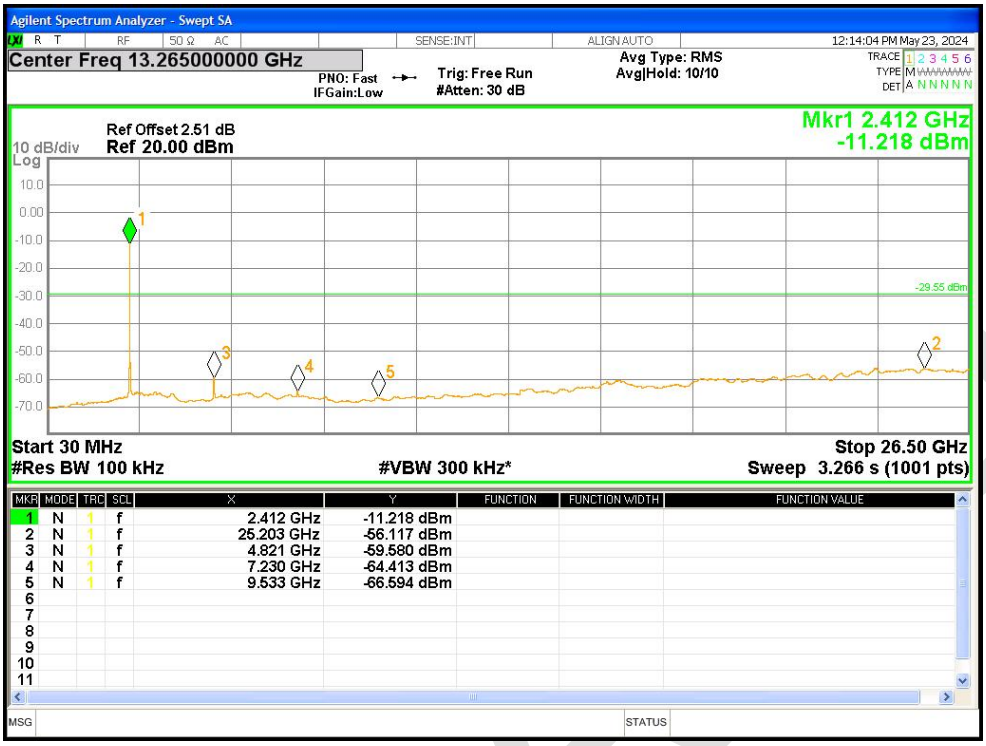
Tx. Spurious NVNT b 2462MHz Ant1 Emission



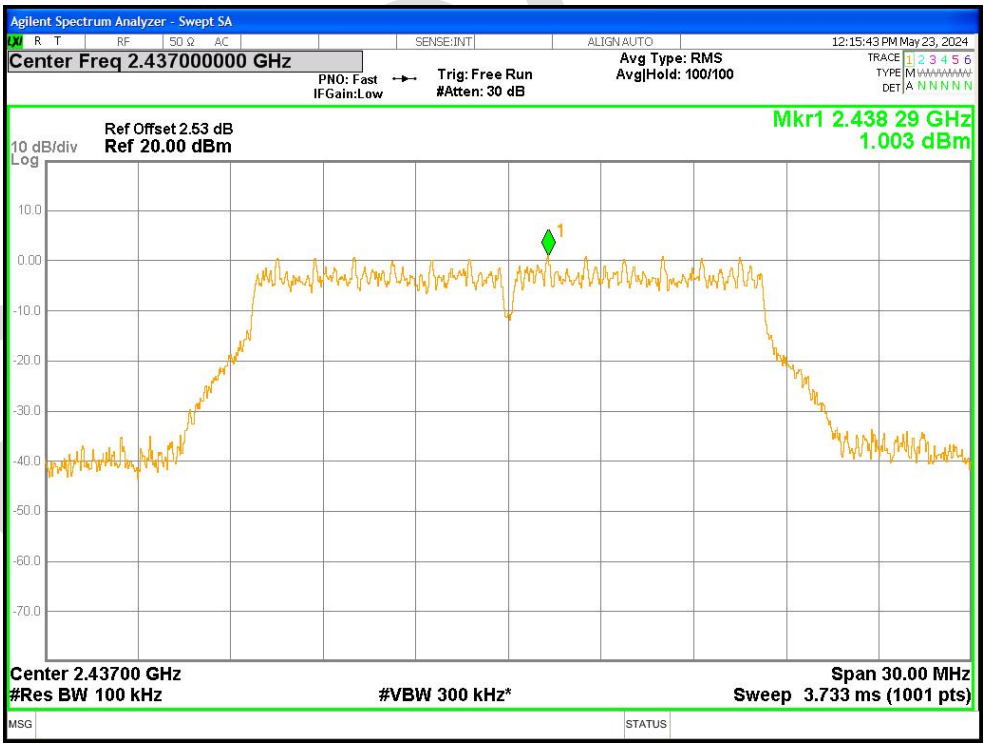
Tx. Spurious NVNT g 2412MHz Ant1 Ref



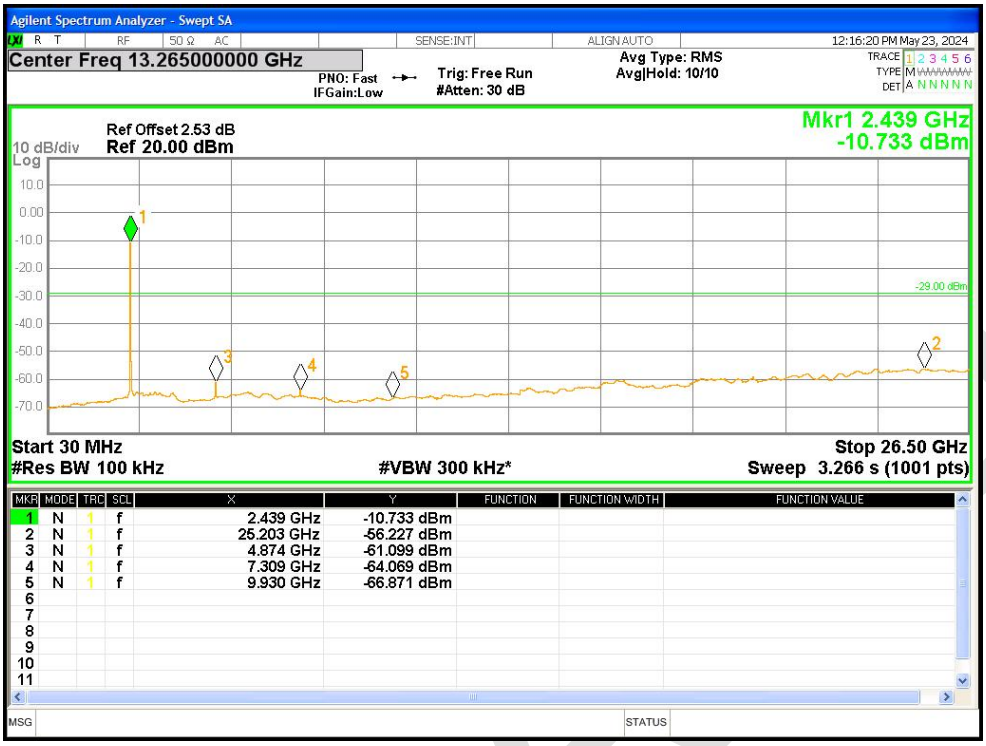
Tx. Spurious NVNT g 2412MHz Ant1 Emission



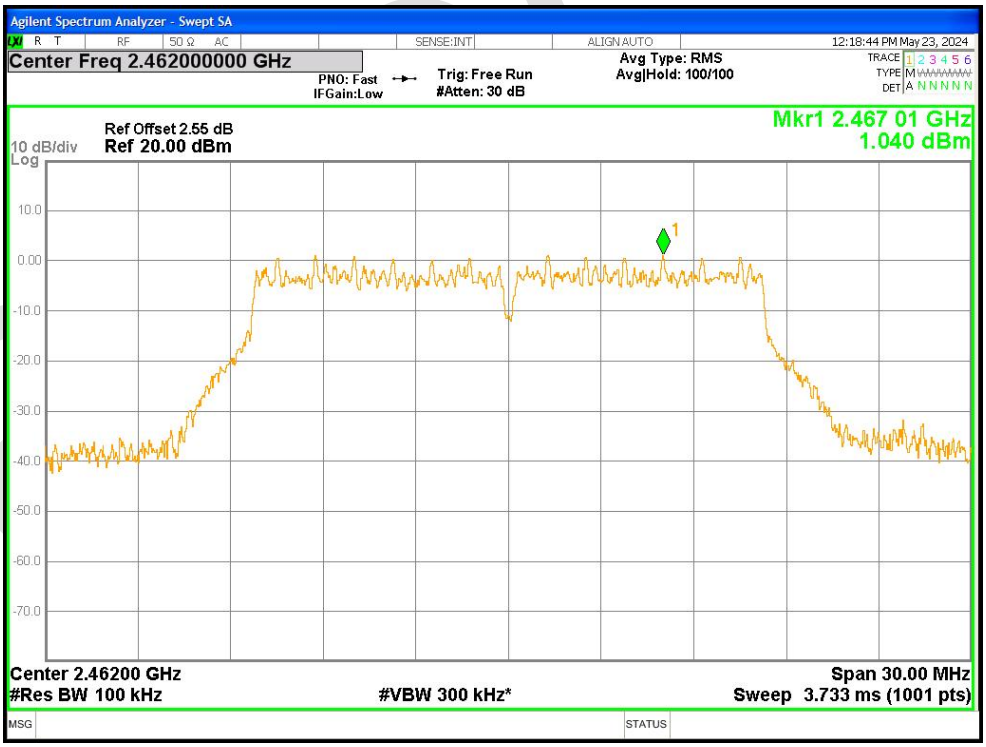
Tx. Spurious NVNT g 2437MHz Ant1 Ref



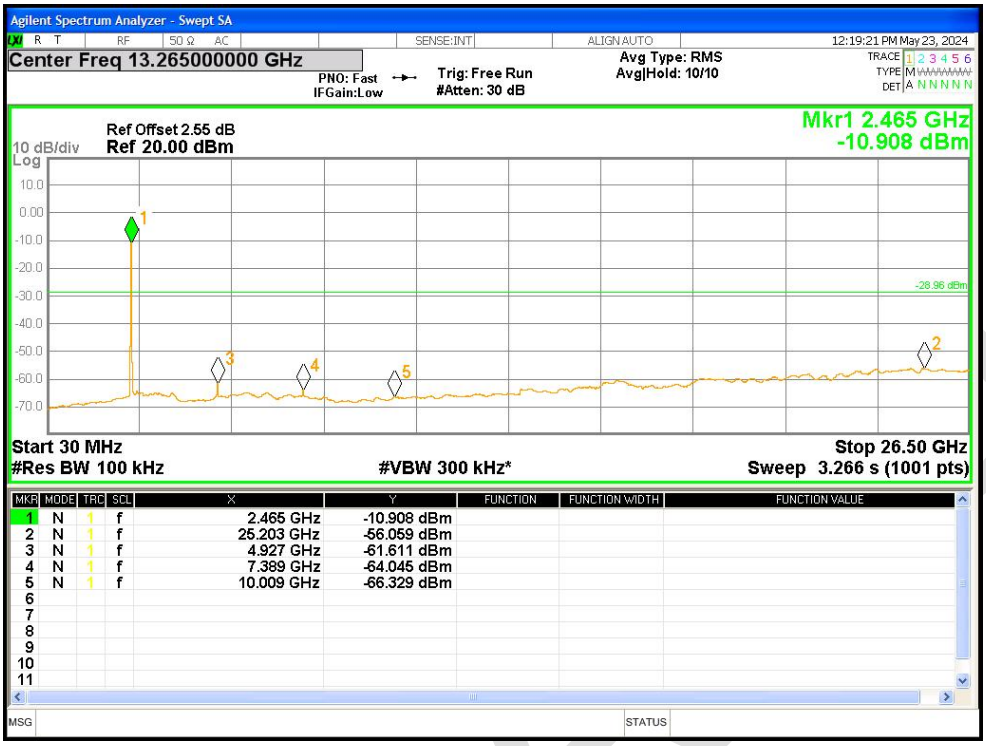
Tx. Spurious NVNT g 2437MHz Ant1 Emission



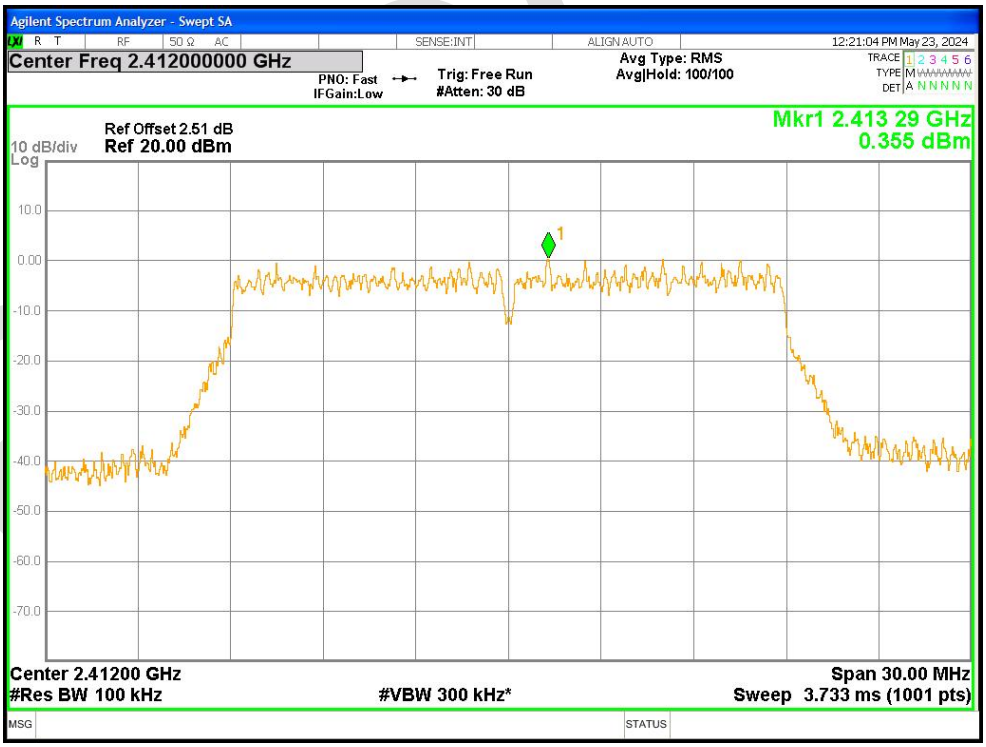
Tx. Spurious NVNT g 2462MHz Ant1 Ref



Tx. Spurious NVNT g 2462MHz Ant1 Emission



Tx. Spurious NVNT n20 2412MHz Ant1 Ref



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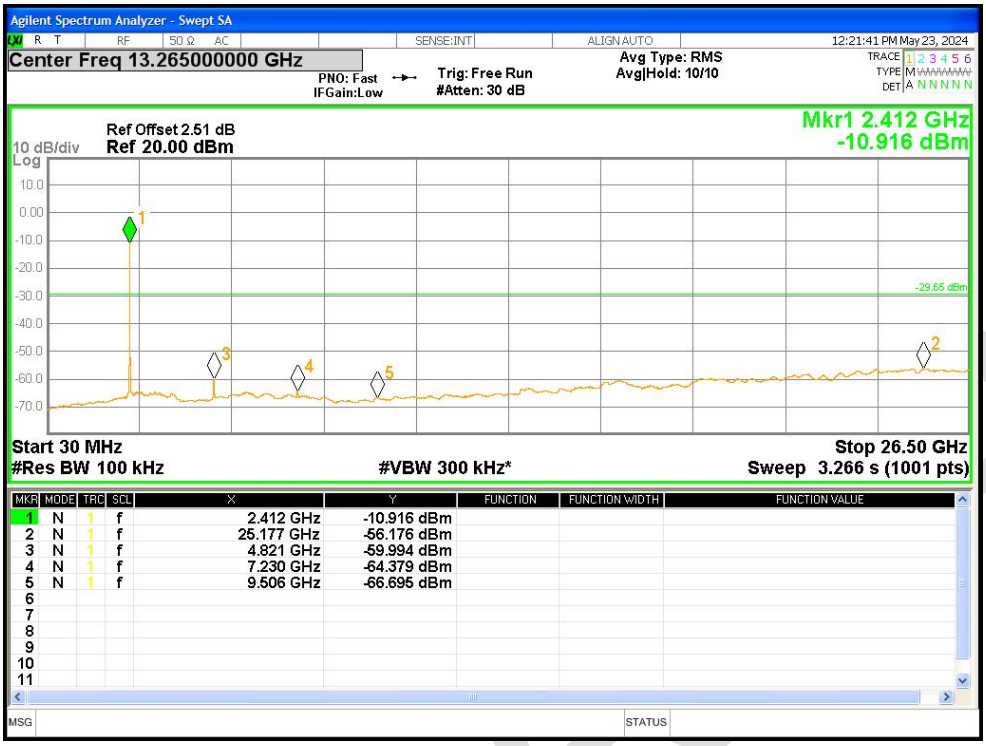

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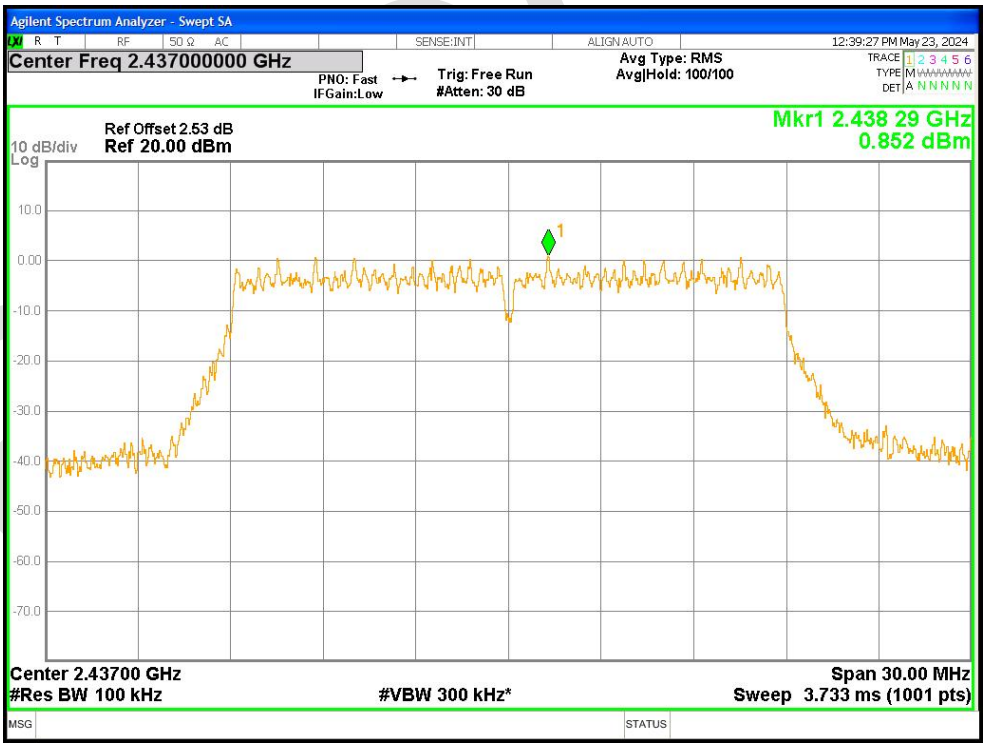

Tx. Spurious NVNT n20 2437MHz Ant1 Emission