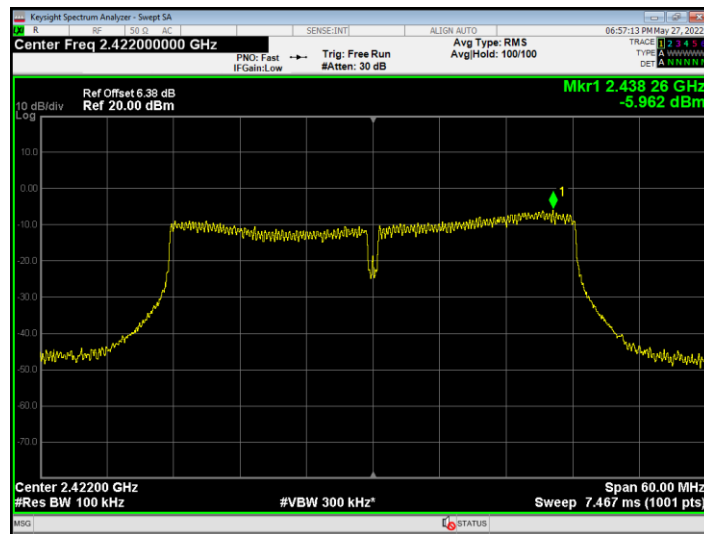
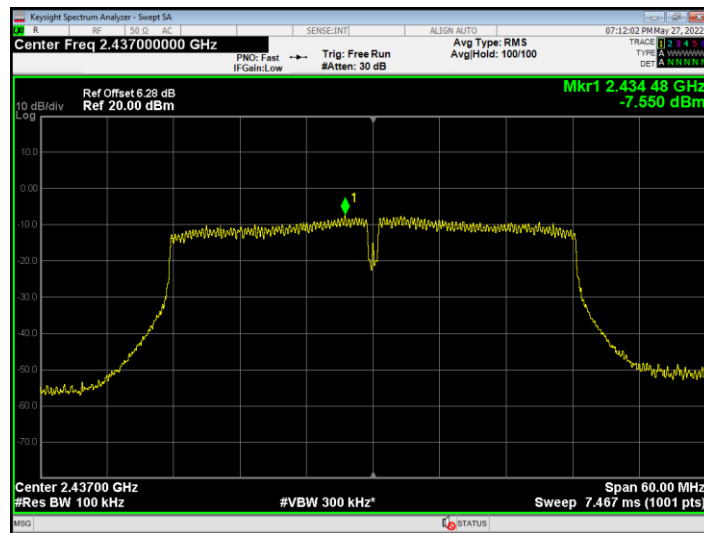


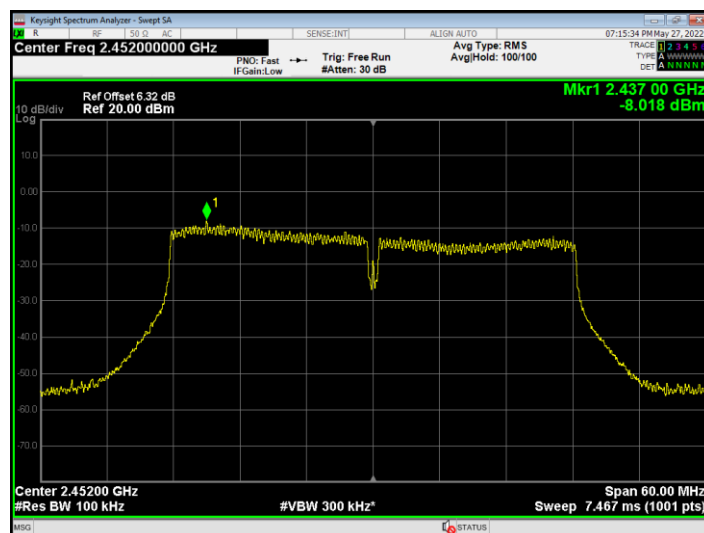
PSD NVNT ax40 2422MHz Ant1



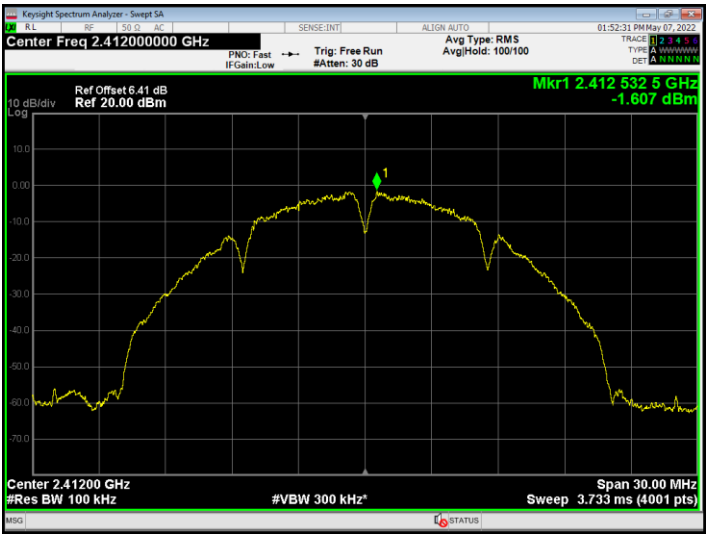
PSD NVNT ax40 2437MHz Ant1



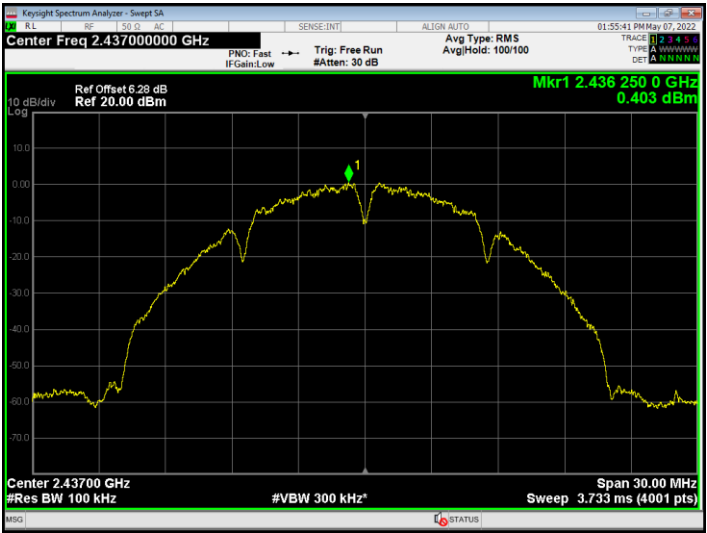
PSD NVNT ax40 2452MHz Ant1



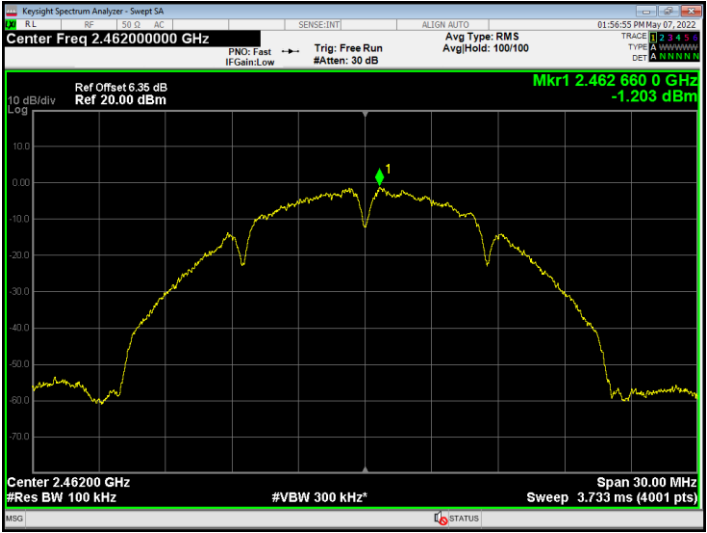
PSD NVNT b 2412MHz Ant1



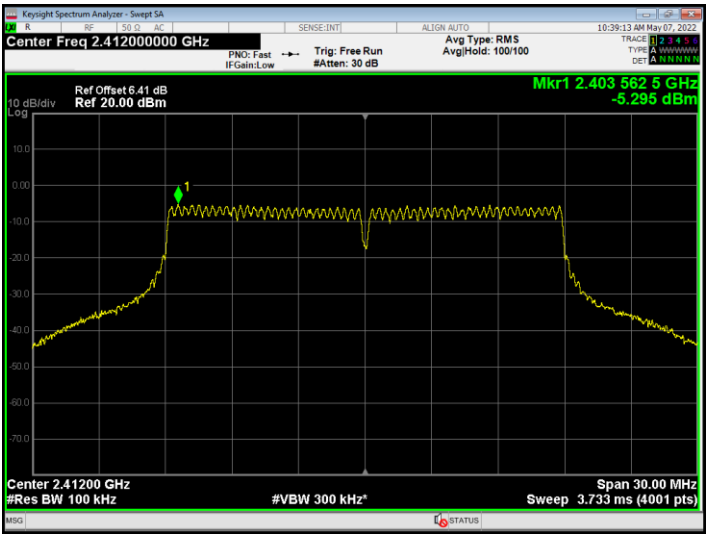
PSD NVNT b 2437MHz Ant1



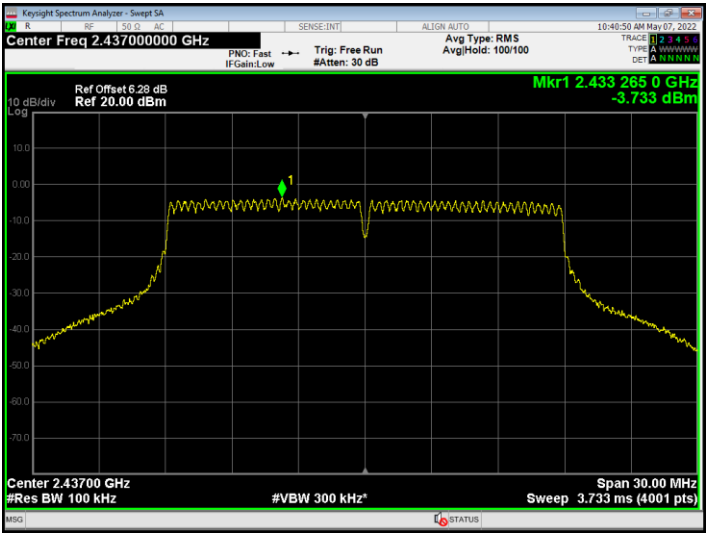
PSD NVNT b 2462MHz Ant1



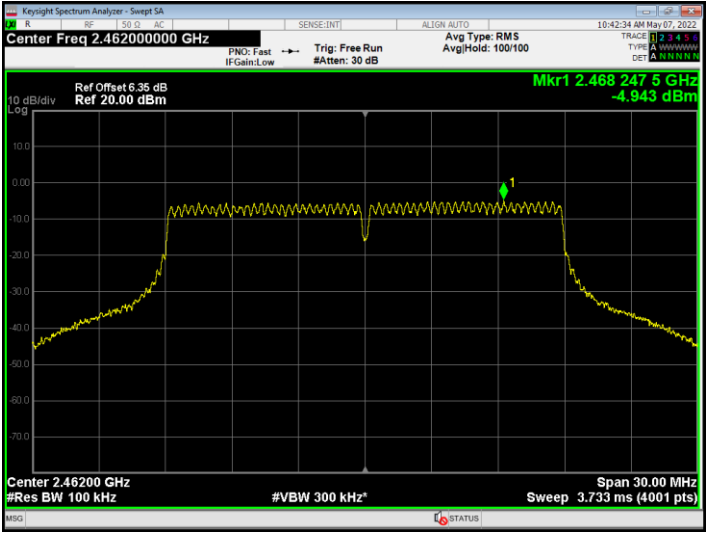
PSD NVNT g 2412MHz Ant1



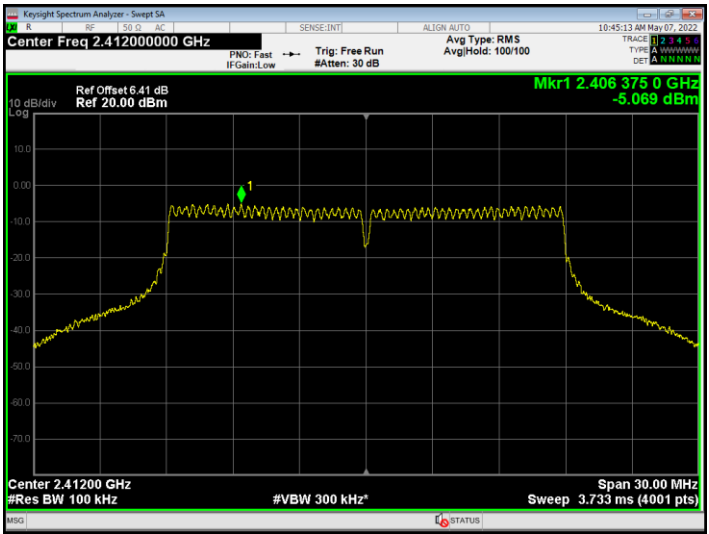
PSD NVNT g 2437MHz Ant1



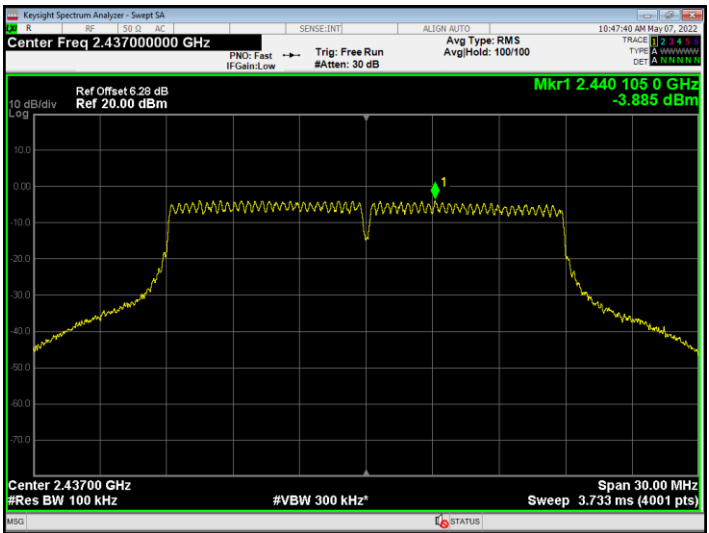
PSD NVNT g 2462MHz Ant1



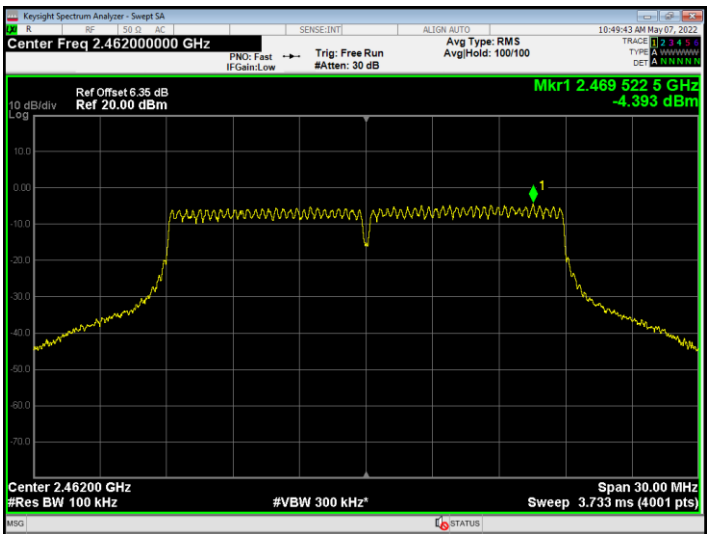
PSD NVNT n20 2412MHz Ant1



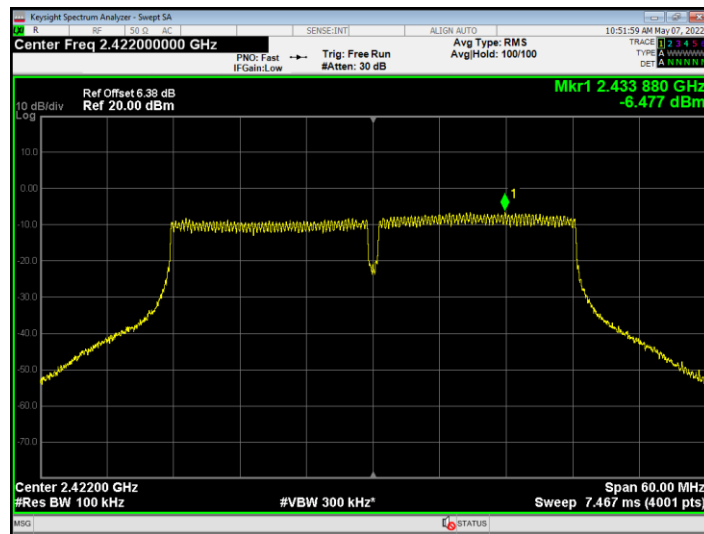
PSD NVNT n20 2437MHz Ant1



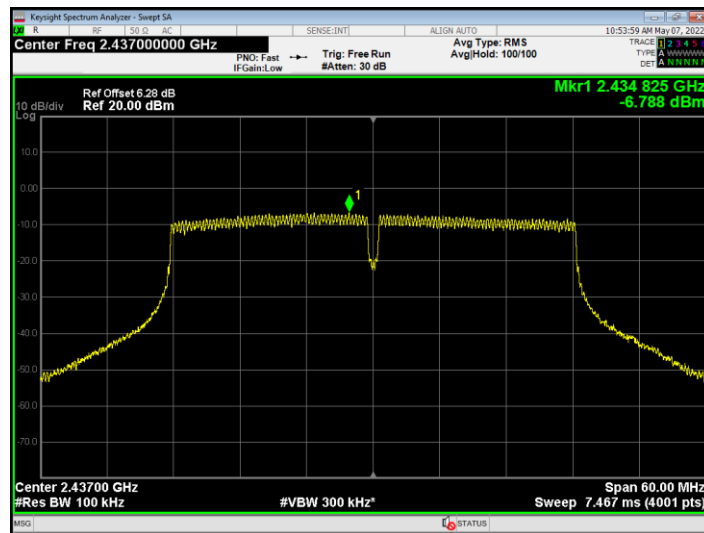
PSD NVNT n20 2462MHz Ant1



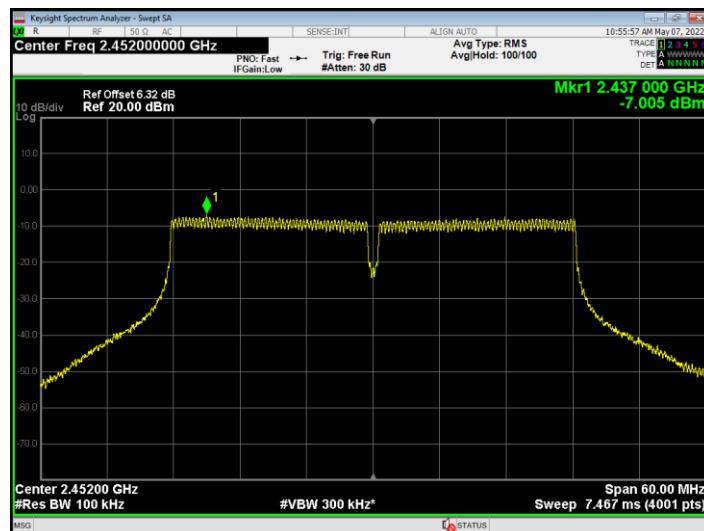
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1

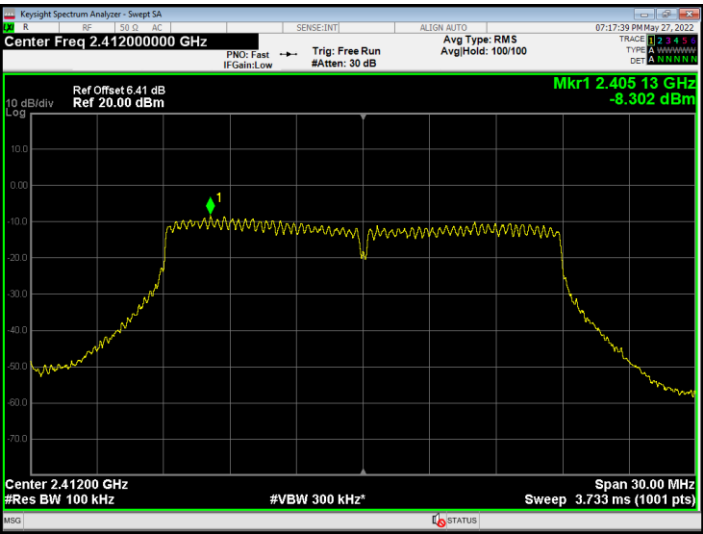


PSD NVNT n40 2452MHz Ant1

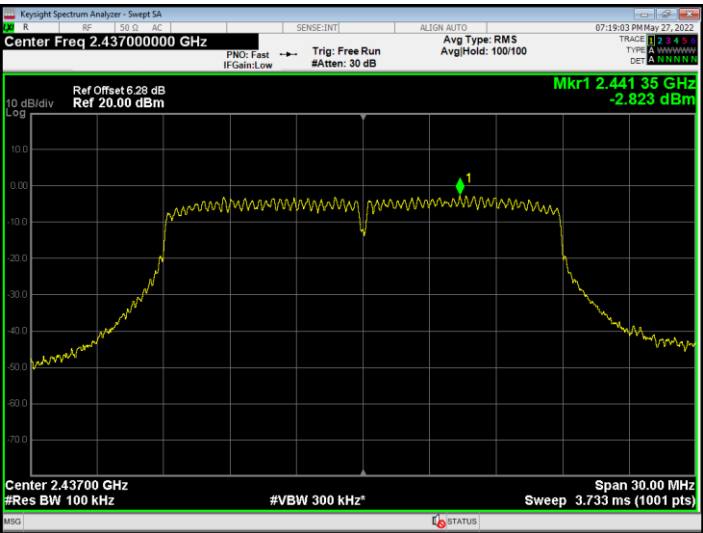


ANT2

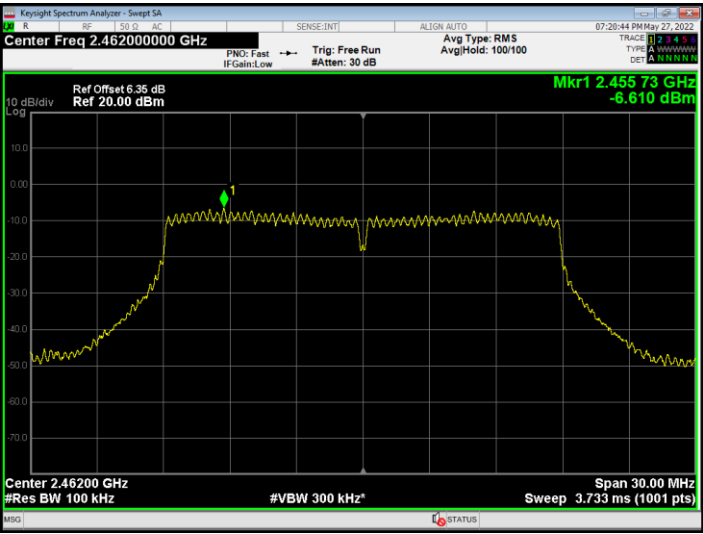
PSD NVNT ax20 2412MHz Ant2



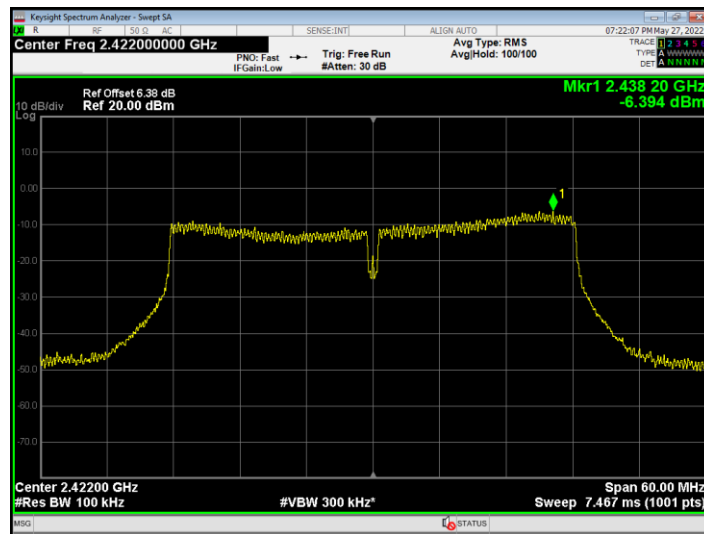
PSD NVNT ax20 2437MHz Ant2



PSD NVNT ax20 2462MHz Ant2



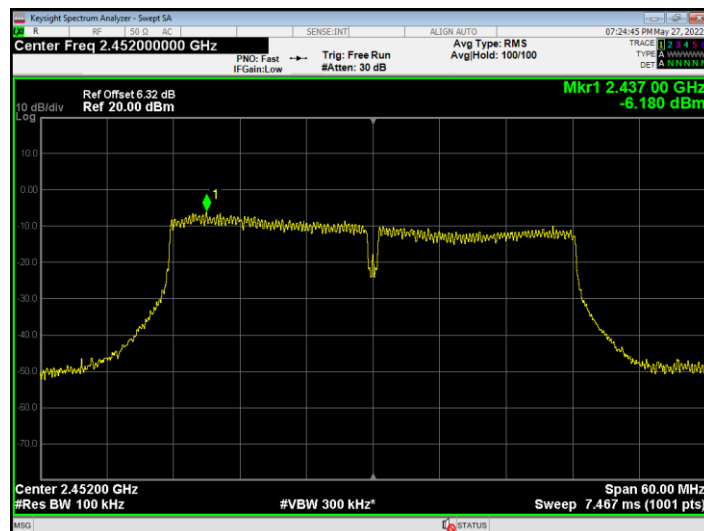
PSD NVNT ax40 2422MHz Ant2



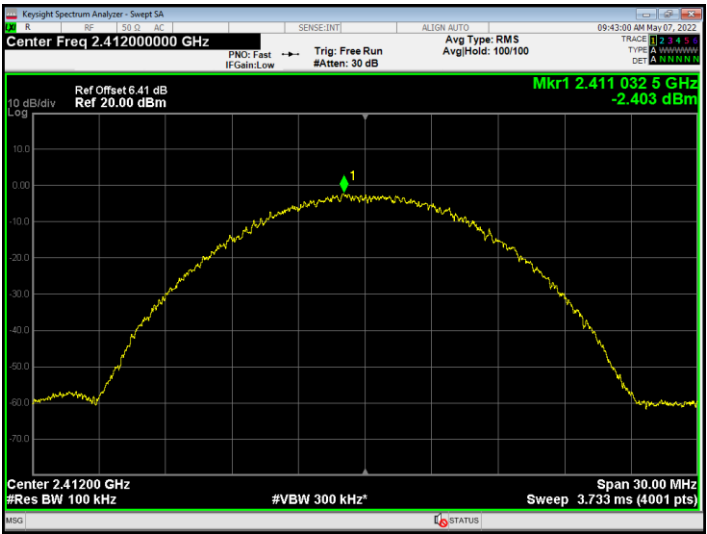
PSD NVNT ax40 2437MHz Ant2



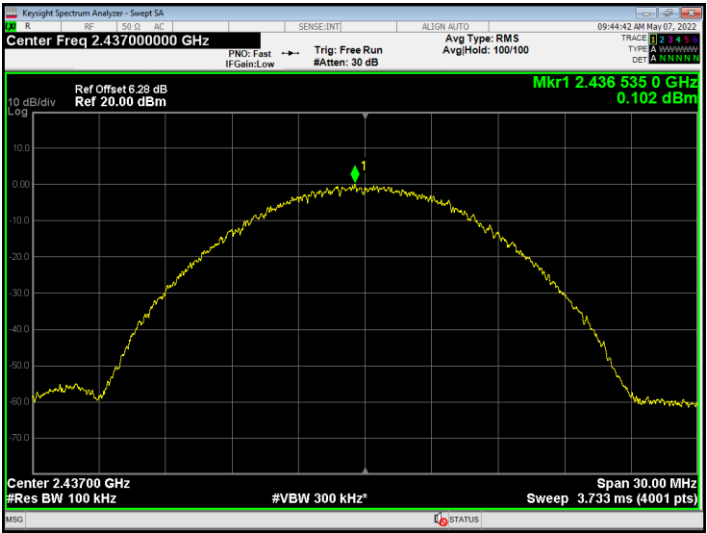
PSD NVNT ax40 2452MHz Ant2



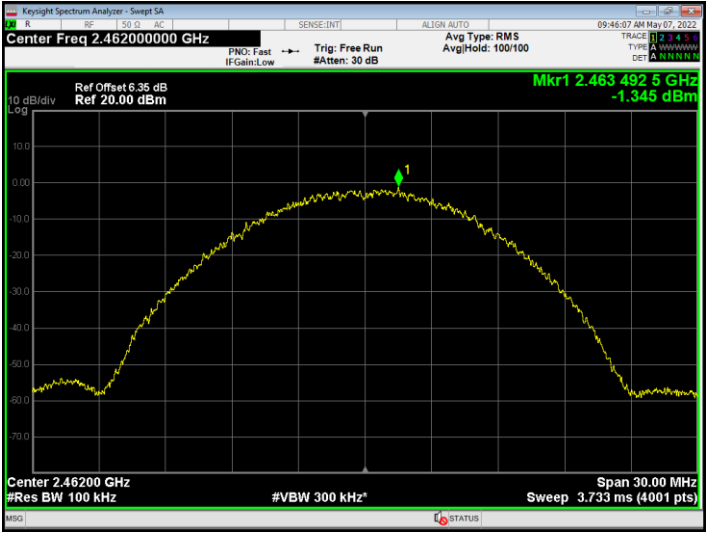
PSD NVHT b 2412MHz Ant2



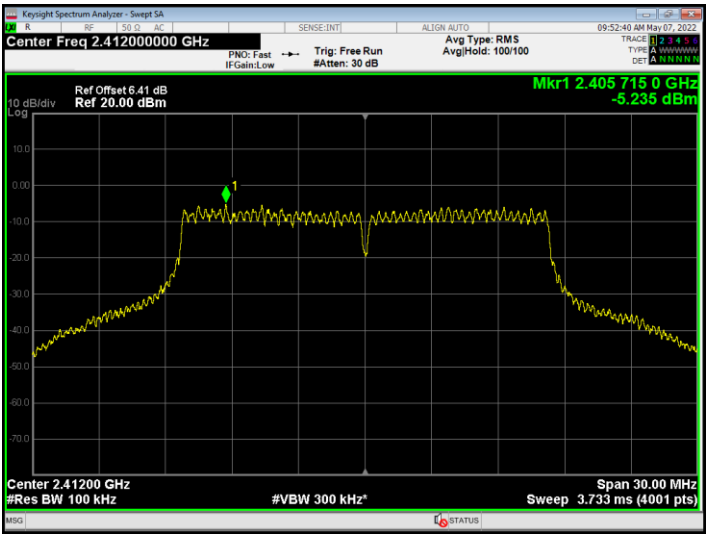
PSD NVHT b 2437MHz Ant2



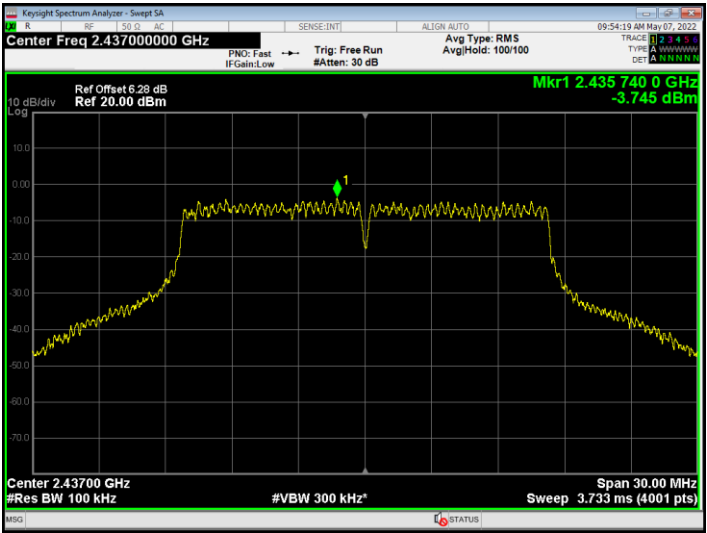
PSD NVHT b 2462MHz Ant2



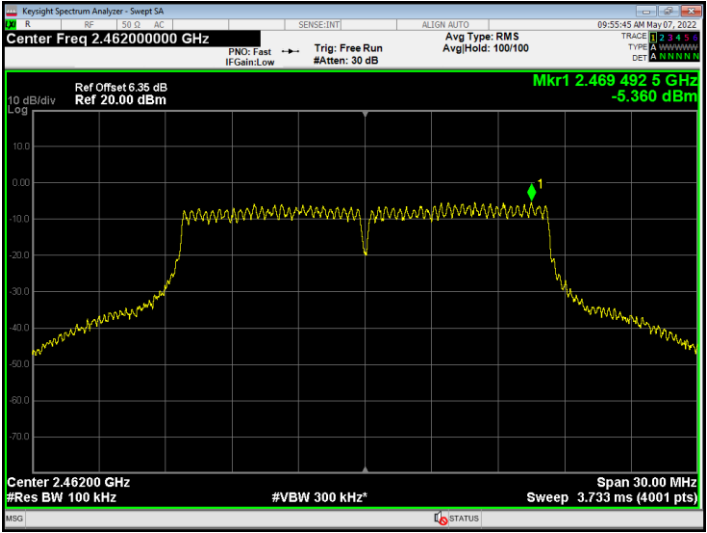
PSD NVHT g 2412MHz Ant2



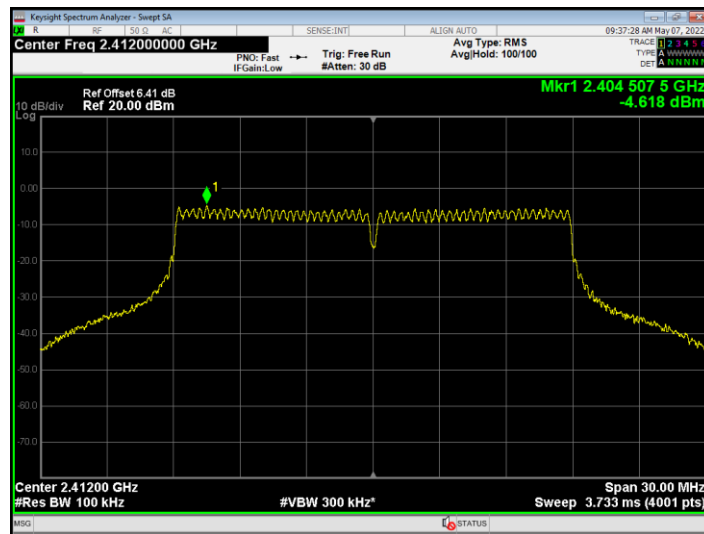
PSD NVHT g 2437MHz Ant2



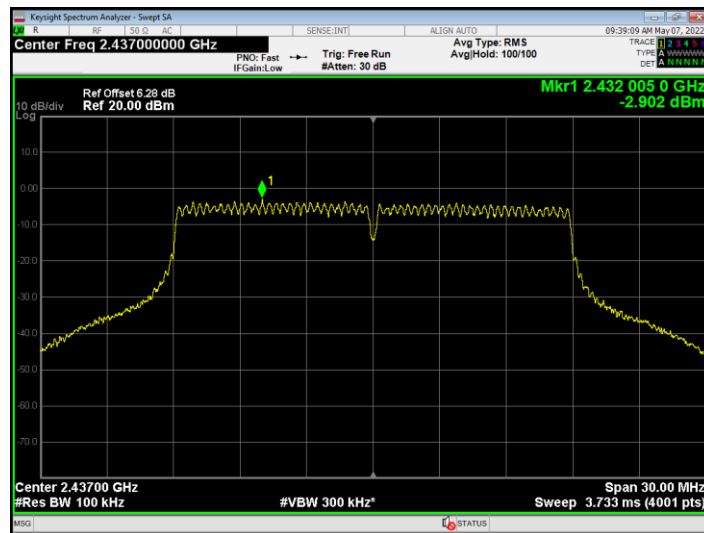
PSD NVHT g 2462MHz Ant2



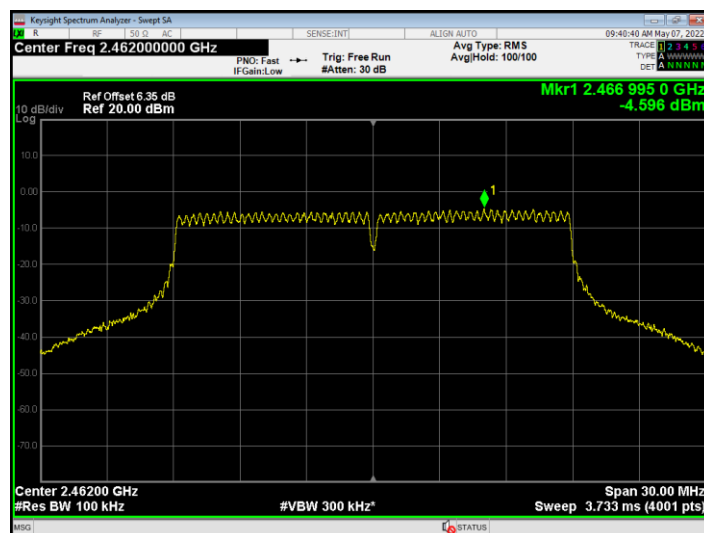
PSD NVHT n20 2412MHz Ant2



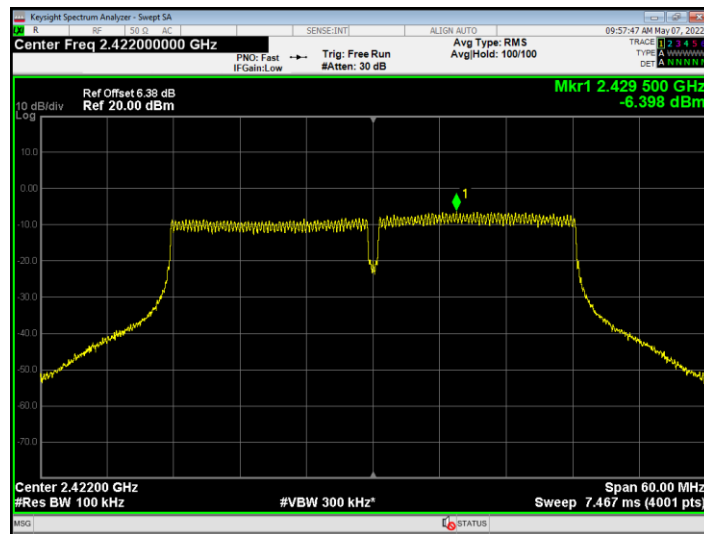
PSD NVHT n20 2437MHz Ant2



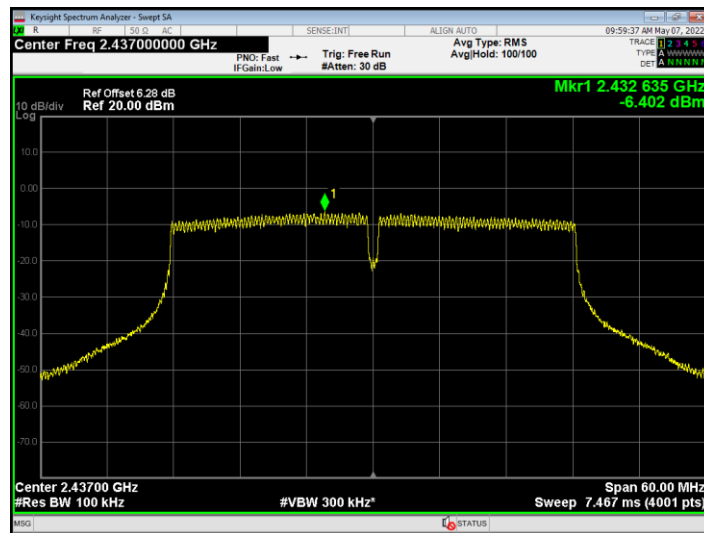
PSD NVHT n20 2462MHz Ant2



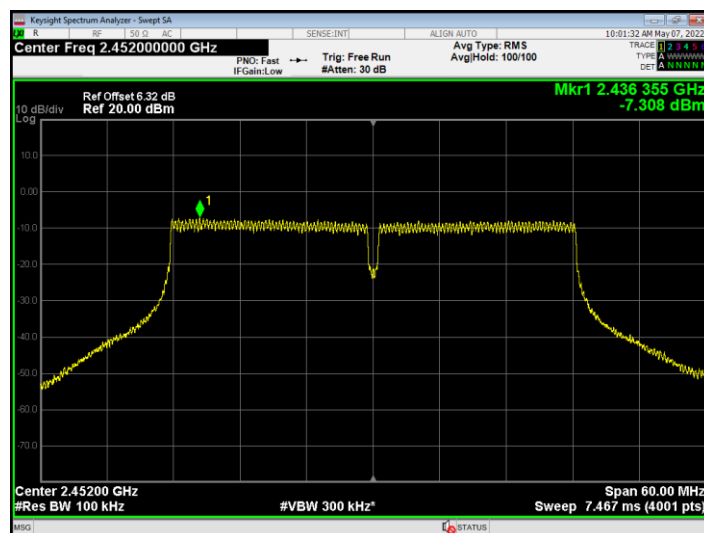
PSD NVHT n40 2422MHz Ant2



PSD NVHT n40 2437MHz Ant2



PSD NVHT n40 2452MHz Ant2

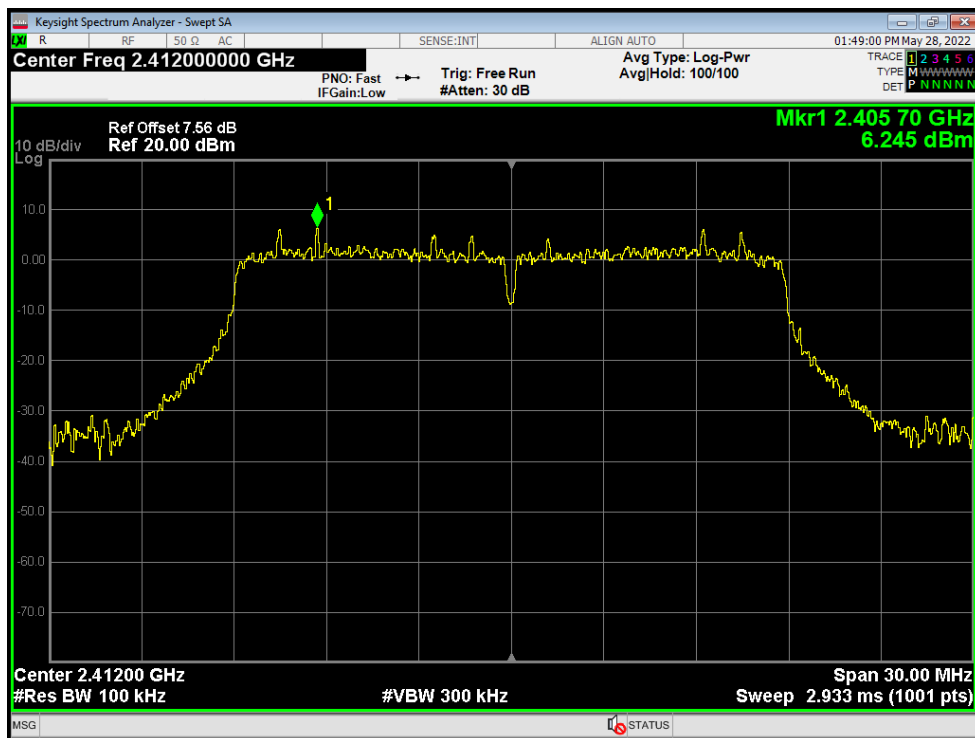


Band Edge

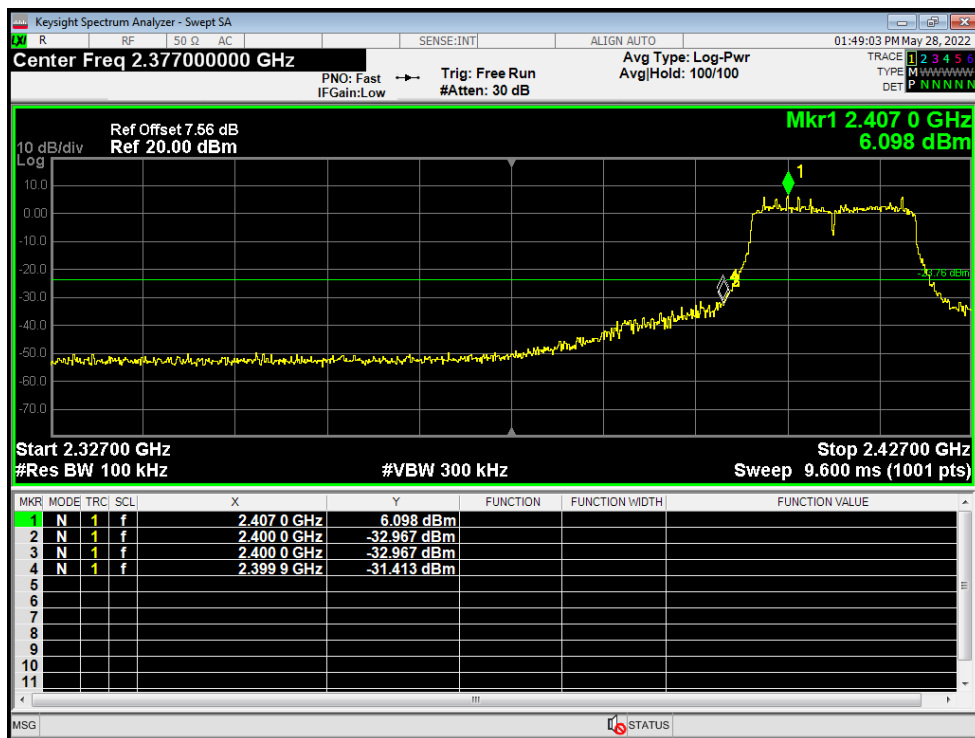
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax20	2412	Ant1	-37.66	-30	Pass
NVNT	ax20	2462	Ant1	-44.46	-30	Pass
NVNT	ax40	2422	Ant1	-32.59	-30	Pass
NVNT	ax40	2452	Ant1	-33.72	-30	Pass
NVNT	b	2412	Ant1	-47.88	-30	Pass
NVNT	b	2462	Ant1	-57.67	-30	Pass
NVNT	g	2412	Ant1	-38.36	-30	Pass
NVNT	g	2462	Ant1	-44.92	-30	Pass
NVNT	n20	2412	Ant1	-36.54	-30	Pass
NVNT	n20	2462	Ant1	-44.27	-30	Pass
NVNT	n40	2422	Ant1	-33.83	-30	Pass
NVNT	n40	2452	Ant1	-35.8	-30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax20	2412	Ant2	-38.96	-30	Pass
NVNT	ax20	2462	Ant2	-48.34	-30	Pass
NVNT	ax40	2422	Ant2	-36.19	-30	Pass
NVNT	ax40	2452	Ant2	-34.38	-30	Pass
NVHT	b	2412	Ant2	-48.54	-30	Pass
NVHT	b	2462	Ant2	-57.77	-30	Pass
NVHT	g	2412	Ant2	-39.32	-30	Pass
NVHT	g	2462	Ant2	-45.81	-30	Pass
NVHT	n20	2412	Ant2	-36.55	-30	Pass
NVHT	n20	2462	Ant2	-44.73	-30	Pass
NVHT	n40	2422	Ant2	-34.62	-30	Pass
NVHT	n40	2452	Ant2	-36.46	-30	Pass

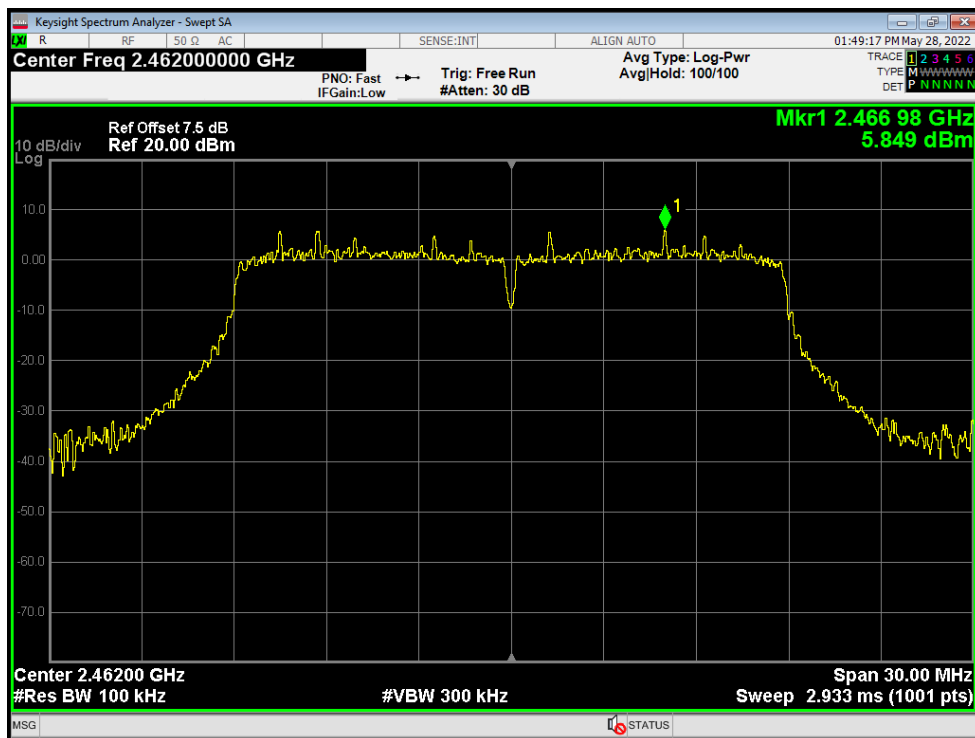
Band Edge NVNT ax20 2412MHz Ant1 Ref



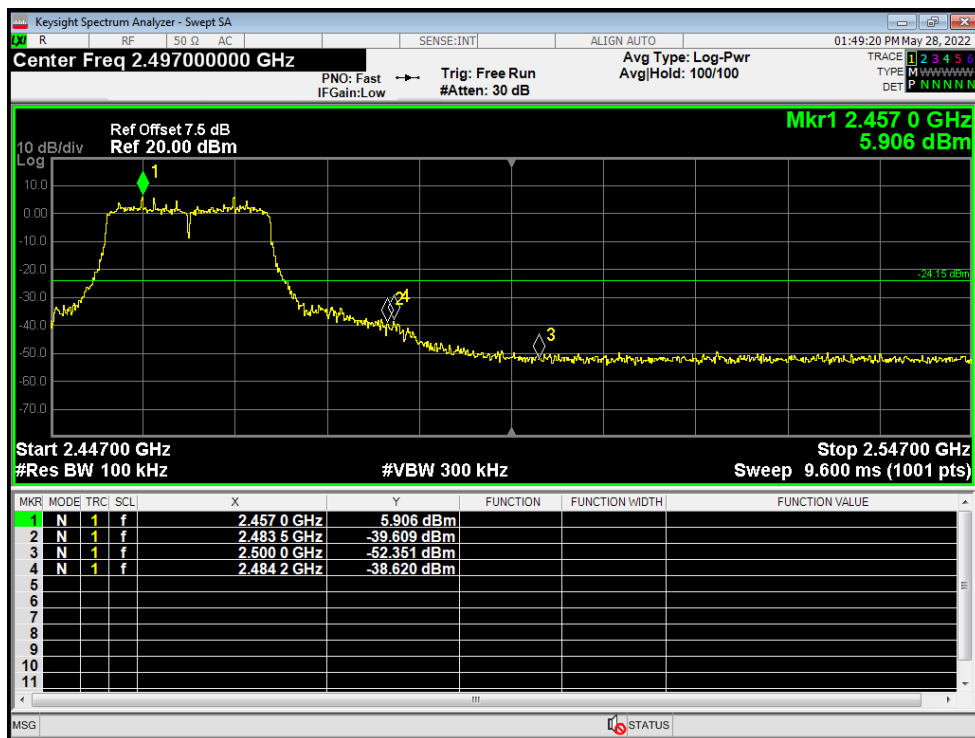
Band Edge NVNT ax20 2412MHz Ant1 Emission



Band Edge NVNT ax20 2462MHz Ant1 Ref



Band Edge NVNT ax20 2462MHz Ant1 Emission



Keysight Spectrum Analyzer - Swept SA

Center Freq 2.42200000 GHz

Ref Offset 7.56 dB
Ref 20.00 dBm

10 dB/div
Log

Mkr1 2.407 00 GHz
3.447 dBm

Center 2.42200 GHz
#Res BW 100 kHz
#VBW 300 kHz

Span 60.00 MHz
Sweep 5.800 ms (101 pts)

MSG

The image shows a Keysight Spectrum Analyzer display. The main plot area shows a spectrum with a yellow trace. A green diamond marker labeled '1' is positioned at 2.407 GHz with a power level of 3.447 dBm. The center frequency is set to 2.422 GHz. The span is 60.00 MHz, and the resolution bandwidth (RBW) is 100 kHz. The video bandwidth (VBW) is 300 kHz. The sweep time is 5.800 ms. The display includes various status indicators at the top, such as 'PNO: Fast', 'Trig: Free Run', and 'Ave Type: Log-Pwr'. The bottom status bar shows 'MSG' and a 'STATUS' button.

Keysight Spectrum Analyzer - Swept SA

Center Freq 2.40200000 GHz

PNO: Fast IFGain: Low Trig: Free Run #Atten: 30 dB

Avg Type: Log-Pwr AvgHold: 100/100

01:49:46 PM May 28, 2022

TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N

Ref Offset 7.56 dB
Ref 20.00 dBm

Mkr1 2.407 0 GHz
3.278 dBm

10 dB/div
Log

Start 2.35200 GHz
#Res BW 100 kHz

Stop 2.45200 GHz
Sweep 9.600 ms (1001 pts)

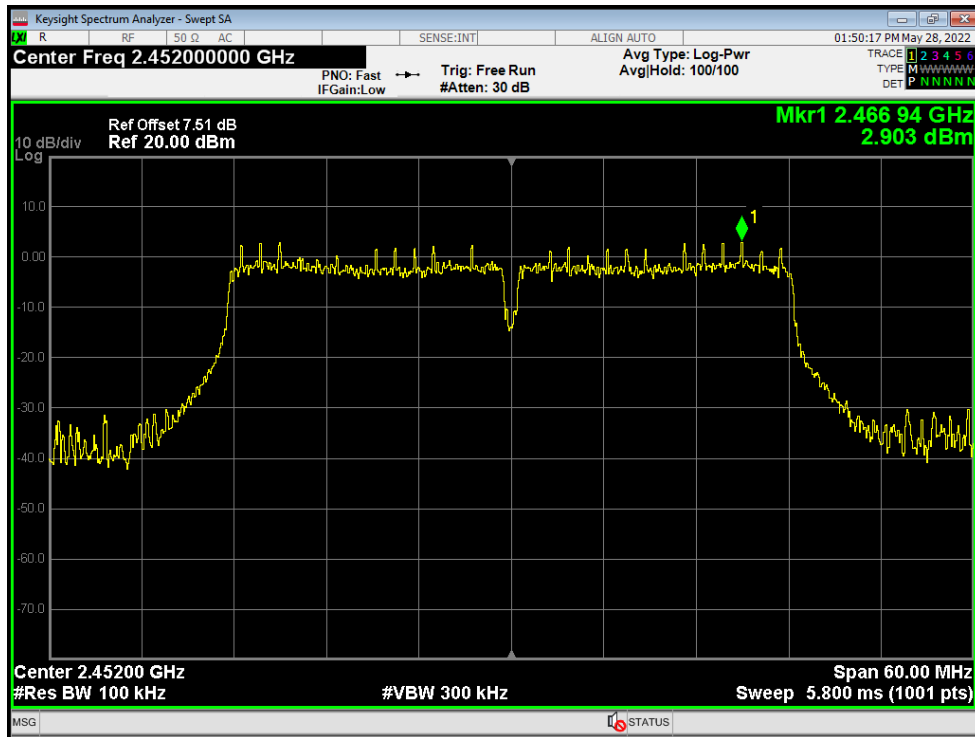
#VBW 300 kHz

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.407 0 GHz	3.278 dBm			
2	N	1	f	2.400 0 GHz	-30.753 dBm			
3	N	1	f	2.400 0 GHz	-30.753 dBm			
4	N	1	f	2.399 7 GHz	-29.147 dBm			
5								
6								
7								
8								
9								
10								
11								

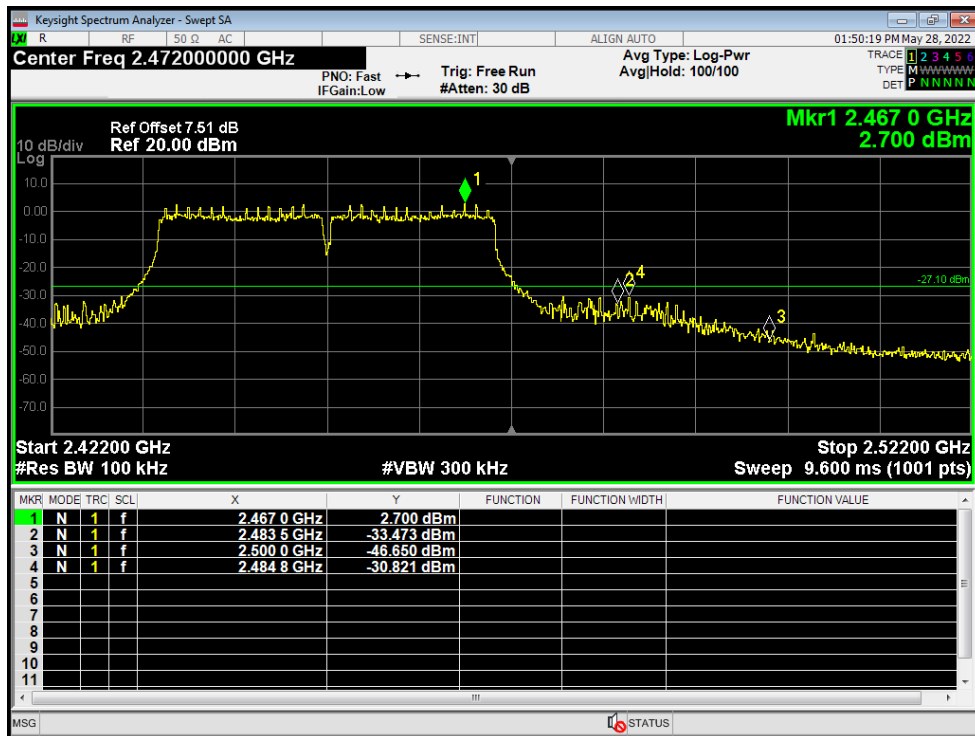
MSG

STATUS

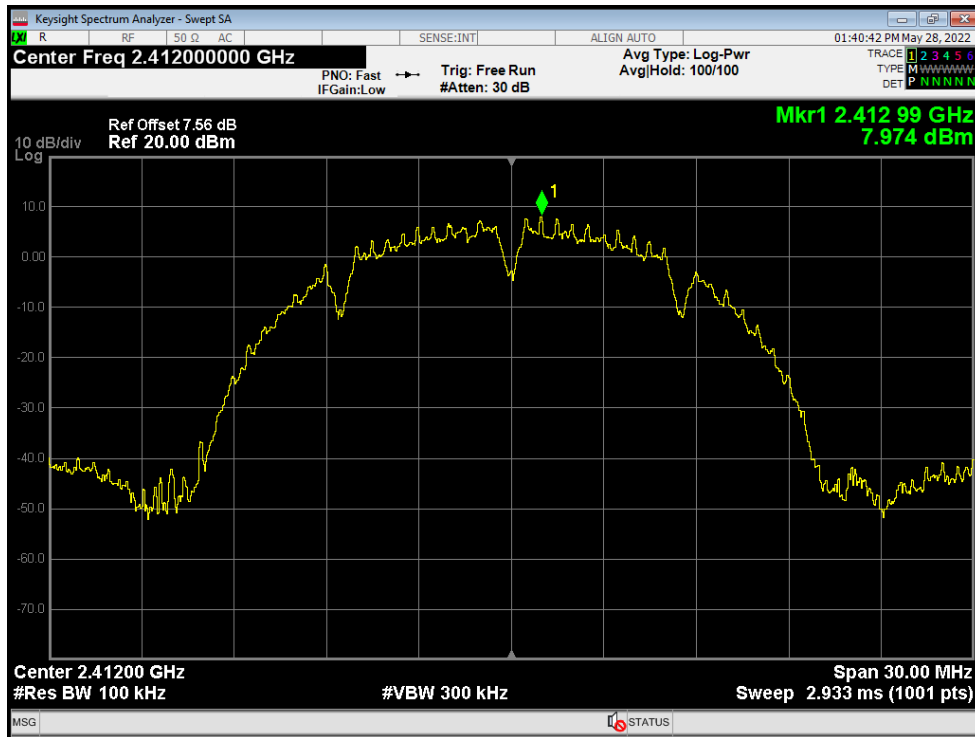
Band Edge NVNT ax40 2452MHz Ant1 Ref



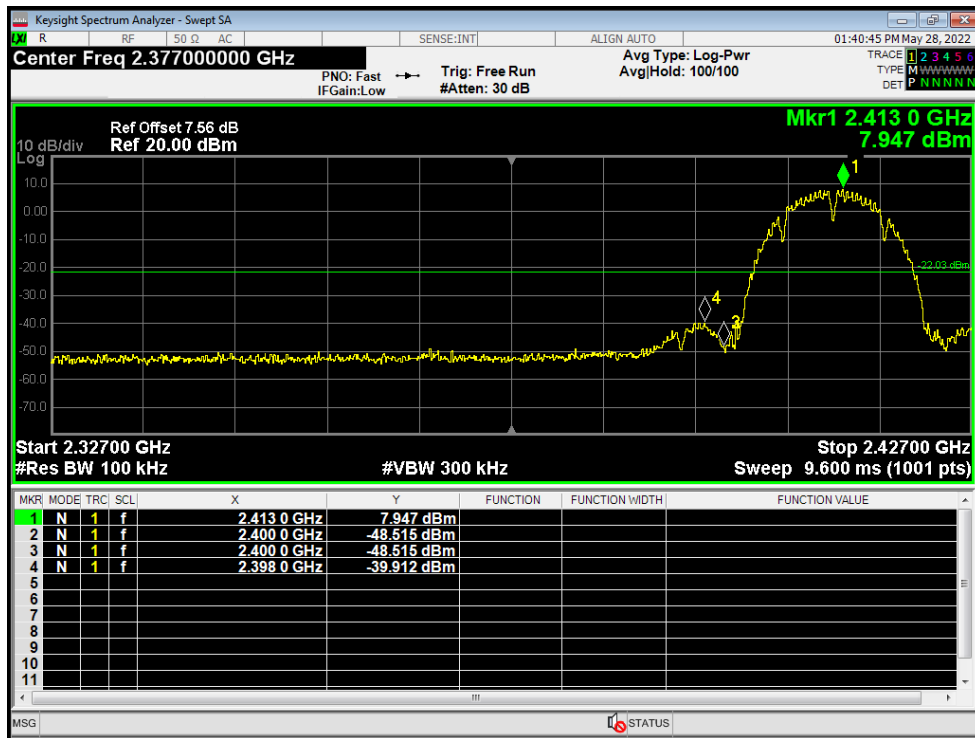
Band Edge NVNT ax40 2452MHz Ant1 Emission



Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



Keysight Spectrum Analyzer - Swept SA

01:41:04 PM May 28, 2022

Center Freq 2.462000000 GHz

PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr

Ref Offset 7.5 dB Ref 20.00 dBm

Mkr1 2.462 48 GHz 8.123 dBm

10 dB/div Log

Center 2.4620 GHz #Res BW 100 kHz #VBW 300 kHz Span 30.00 MHz Sweep 2.933 ms (1001 pts)

The image shows a Keysight Spectrum Analyzer display. The main plot area shows a frequency spectrum with a yellow trace. The x-axis represents frequency, centered at 2.4620 GHz, with a span of 30.00 MHz. The y-axis represents power in dBm, ranging from -70.0 to 10.0 dBm, with a resolution of 10 dB/div. A prominent peak is visible at 2.46248 GHz, marked with a green diamond and the number '1'. The power level at this peak is 8.123 dBm. The trace shows a broad signal with some noise and a sharp peak. The top of the screen displays various settings: Center Freq 2.462000000 GHz, PNO: Fast, IFGain:Low, Trig: Free Run, #Atten: 30 dB, Avg Type: Log-Pwr, Ref Offset 7.5 dB, Ref 20.00 dBm. The bottom of the screen displays: Center 2.4620 GHz, #Res BW 100 kHz, #VBW 300 kHz, Span 30.00 MHz, Sweep 2.933 ms (1001 pts). The status bar at the bottom left shows 'MSG' and the bottom right shows 'STATUS'.

Keysight Spectrum Analyzer - Swept SA

R RF 50 Ω AC SENSE:INT ALIGN AUTO 01:41:07 PM May 28, 2022

Center Freq 2.497000000 GHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Avg/Hold: 100/100

Ref Offset 7.5 dB Ref 20.00 dBm

Mkr1 2.461 0 GHz 7.802 dBm

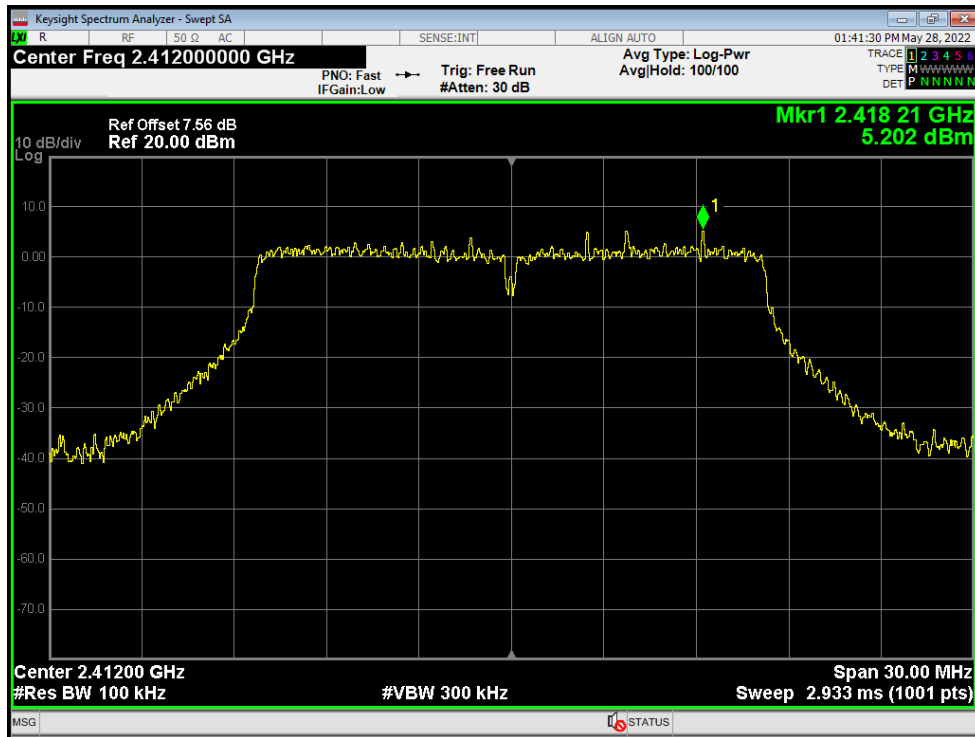
10 dB/div Log

Start 2.44700 GHz #Res BW 100 kHz

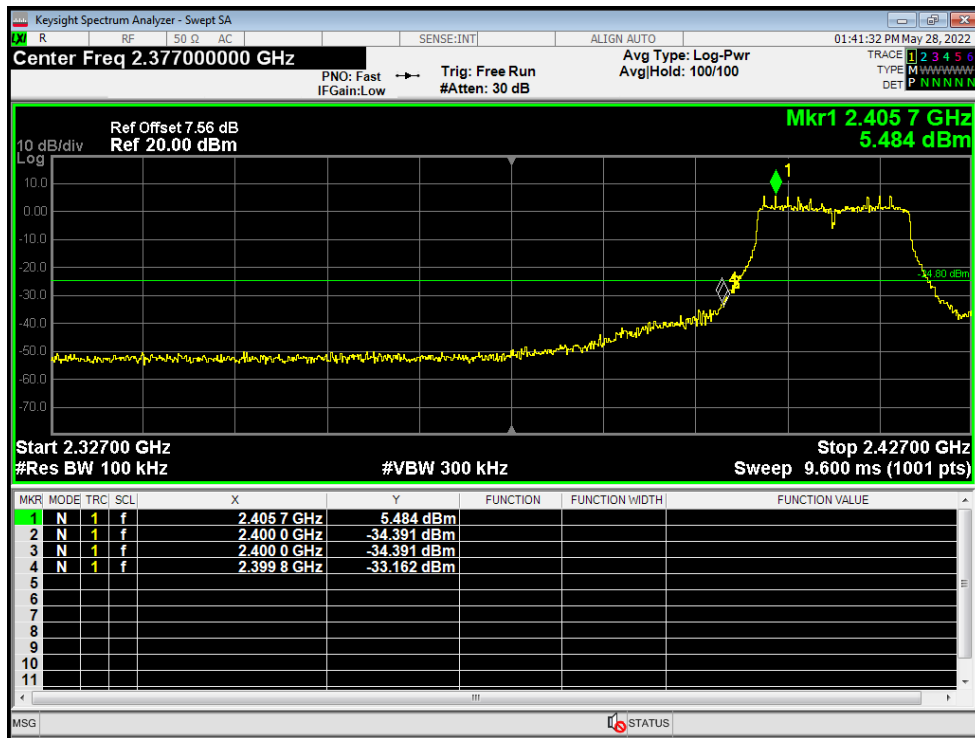
Stop 2.54700 GHz Sweep 9.600 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.461 0 GHz	7.802 dBm			
2	N	1	f	2.483 5 GHz	-52.600 dBm			
3	N	1	f	2.500 0 GHz	-52.282 dBm			
4	N	1	f	2.491 6 GHz	-49.553 dBm			

Band Edge NVNT g 2412MHz Ant1 Ref



Band Edge NVNT g 2412MHz Ant1 Emission



Keysight Spectrum Analyzer - Swept SA

Center Freq 2.46200000 GHz

Ref Offset 7.5 dB
Ref 20.00 dBm

10 dB/div
Log

Mkr1 2.468 24 GHz
5.889 dBm

Center 2.46200 GHz
#Res BW 100 kHz

#VBW 300 kHz

Span 30.00 MHz
Sweep 2.933 ms (1001 pts)

MSG STATUS

Keysight Spectrum Analyzer - Swept SA

Center Freq 2.497000000 GHz

PNO: Fast IFGain: Low Trig: Free Run #Atten: 30 dB

Avg Type: Log-Pwr Avg|Hold: 100/100

01:41:56 PM May 28, 2022

TRACE 1 2 3 4 5 6

TYPE M N N N N N

DET P N N N N N

Ref Offset 7.5 dB

Ref 20.00 dBm

Mkr1 2.467 0 GHz

6.101 dBm

10 dB/div

Log

Start 2.44700 GHz

#Res BW 100 kHz

#VBW 300 kHz

Stop 2.54700 GHz

Sweep 9.600 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.467 0 GHz	6.101 dBm			
2	N	1	f	2.483 5 GHz	-41.922 dBm			
3	N	1	f	2.500 0 GHz	-52.306 dBm			
4	N	1	f	2.484 0 GHz	-39.040 dBm			
5								
6								
7								
8								
9								
10								
11								

MSG

STATUS

Keysight Spectrum Analyzer - Swept SA

Center Freq 2.41200000 GHz

Ref Offset 7.56 dB
Ref 20.00 dBm

10 dB/div
Log

Mkr1 2.405 73 GHz
6.417 dBm

Center 2.412 GHz
#Res BW 100 kHz
#VBW 300 kHz

Span 30.00 MHz
Sweep 2.933 ms (1001 pts)

The image shows a Keysight Spectrum Analyzer interface. The main display is a log-linear plot of power spectral density versus frequency. The frequency range is from 2.39 GHz to 2.435 GHz, centered at 2.412 GHz. The power scale is logarithmic, ranging from -70 dBm to 10 dBm. A yellow trace shows the spectrum, with a prominent peak at 2.40573 GHz marked by a green diamond and labeled 'Mkr1'. The peak power is 6.417 dBm. The background is black with a white grid. The top of the screen displays various settings and status information, including the center frequency, reference levels, and measurement parameters. The bottom of the screen shows the span, resolution bandwidth, and sweep time.

Parameter	Value
Center Freq	2.41200000 GHz
Ref Offset	7.56 dB
Ref	20.00 dBm
Center	2.412 GHz
#Res BW	100 kHz
#VBW	300 kHz
Span	30.00 MHz
Sweep	2.933 ms (1001 pts)
Mkr1 Freq	2.405 73 GHz
Mkr1 Power	6.417 dBm

Center Freq 2.377000000 GHz

Ref Offset 7.56 dB
Ref 20.00 dBm

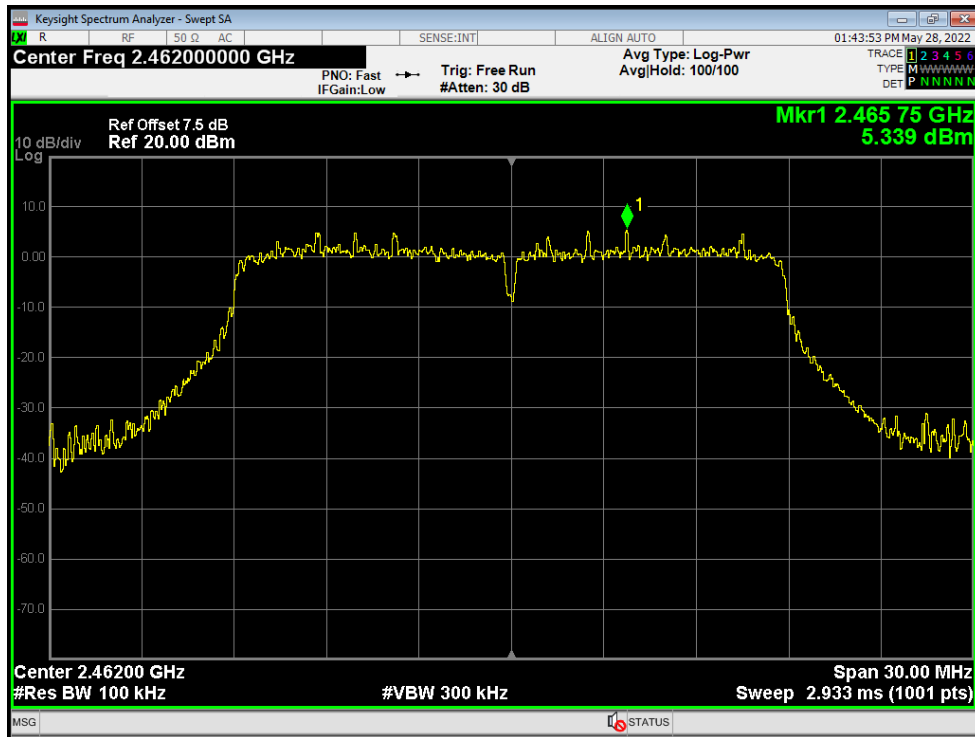
PNO: Fast → IF Gain: Low Trig: Free Run #Atten: 30 dB

Avg Type: Log-Pwr Avg/Hold: 100/100

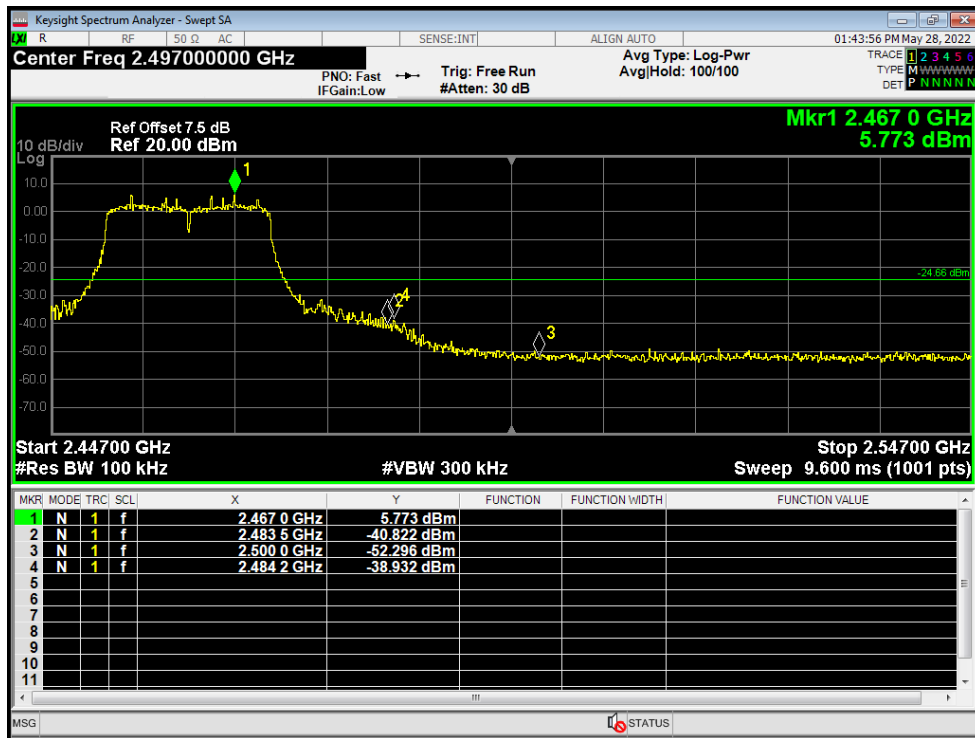
Mkr1 2.4057 GHz
6.374 dBm

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.4057 GHz	6.374 dBm			
2	N	1	f	2.4000 GHz	-31.715 dBm			
3	N	1	f	2.4000 GHz	-31.715 dBm			
4	N	1	f	2.3998 GHz	-30.129 dBm			

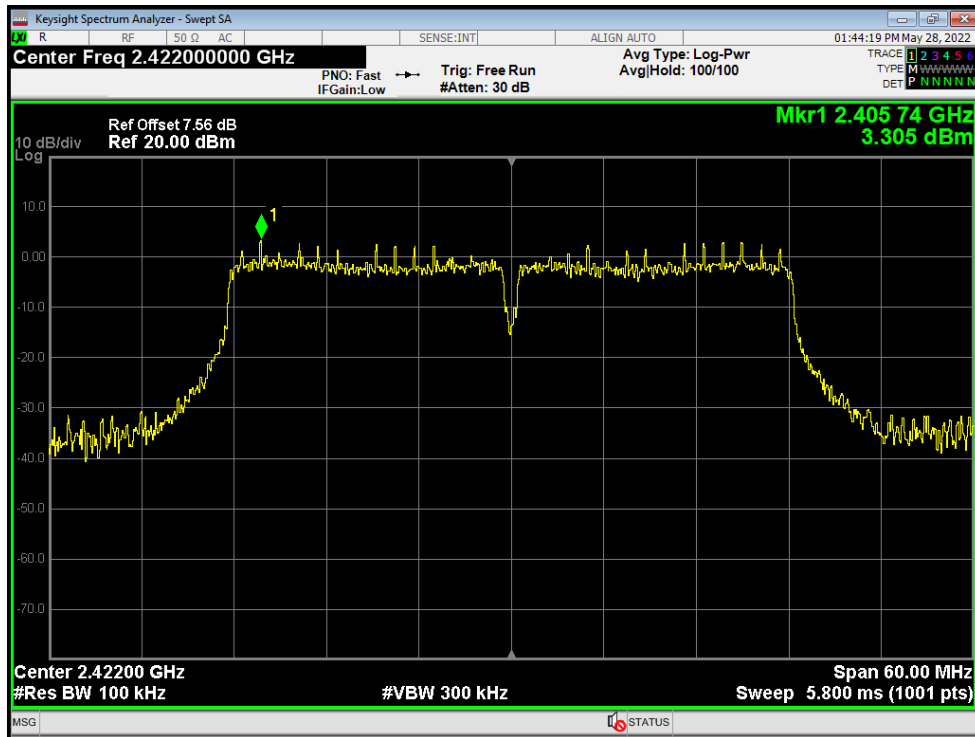
Band Edge NVNT n20 2462MHz Ant1 Ref



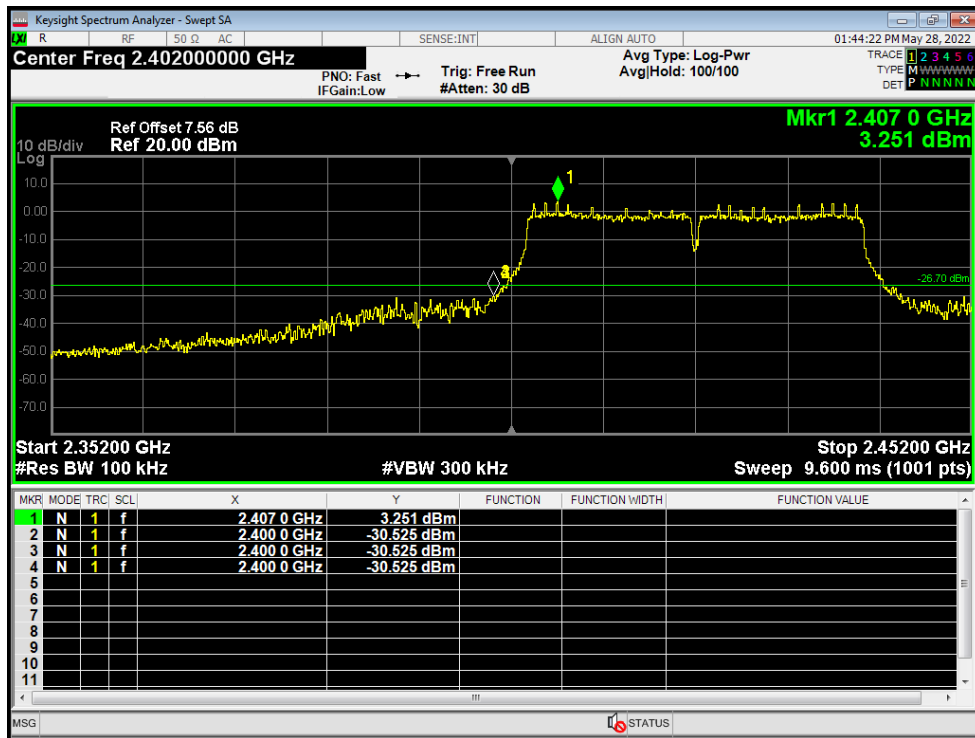
Band Edge NVNT n20 2462MHz Ant1 Emission



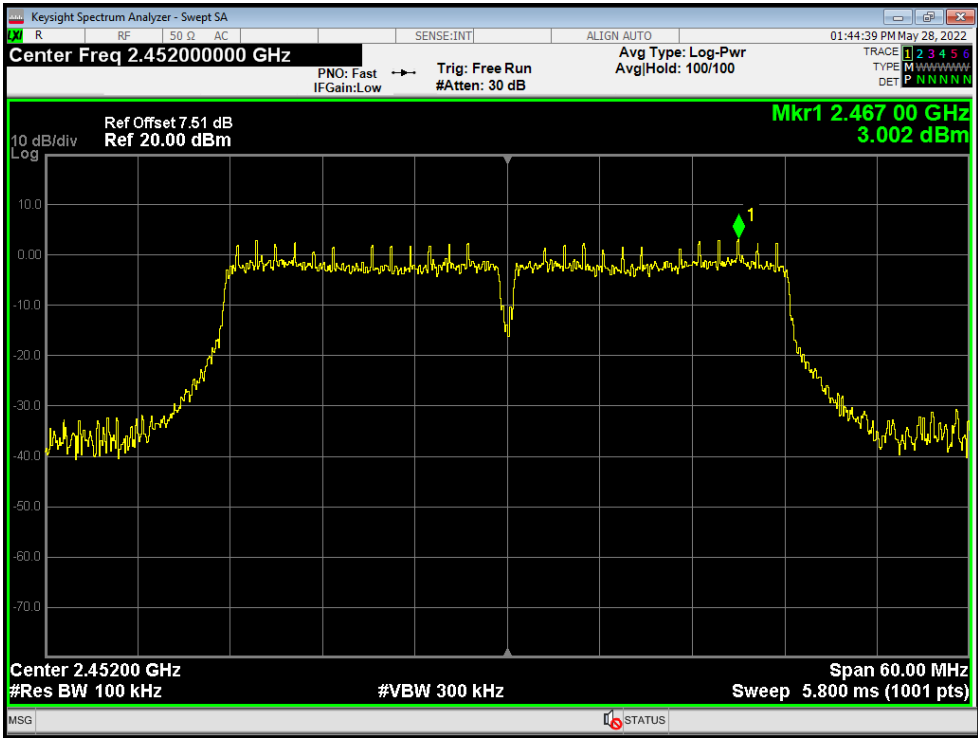
Band Edge NVNT n40 2422MHz Ant1 Ref



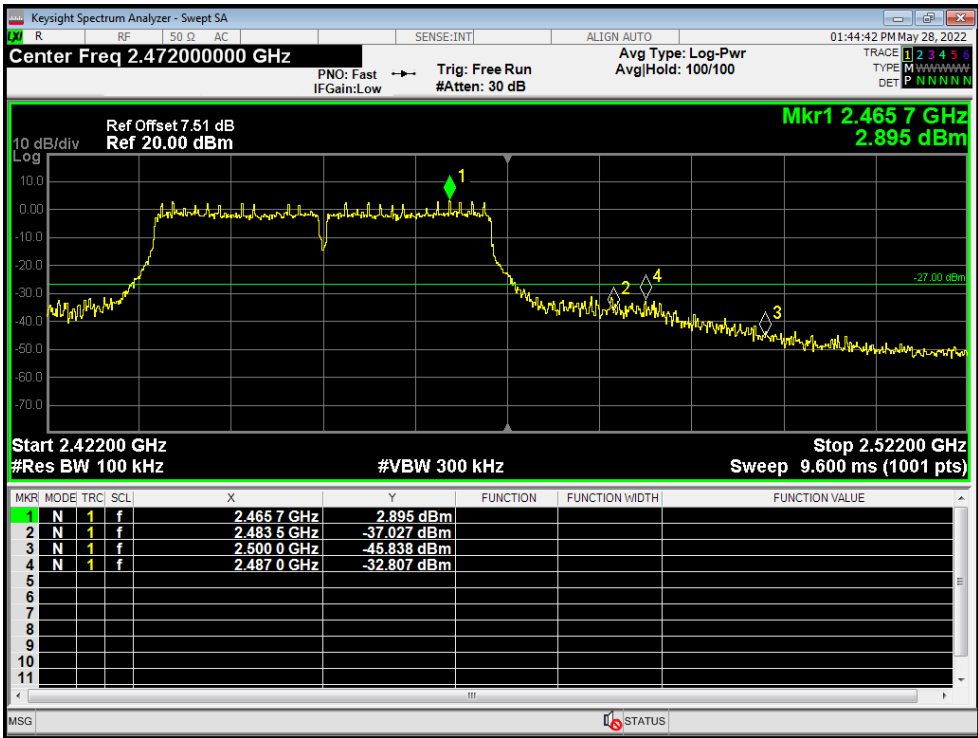
Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref

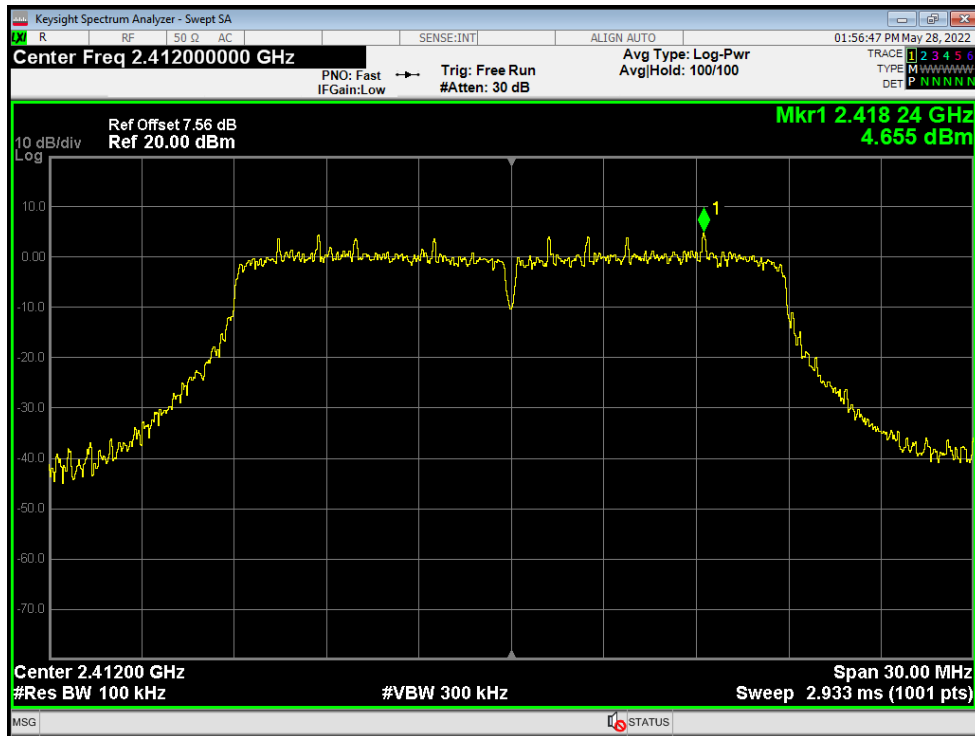


Band Edge NVNT n40 2452MHz Ant1 Emission

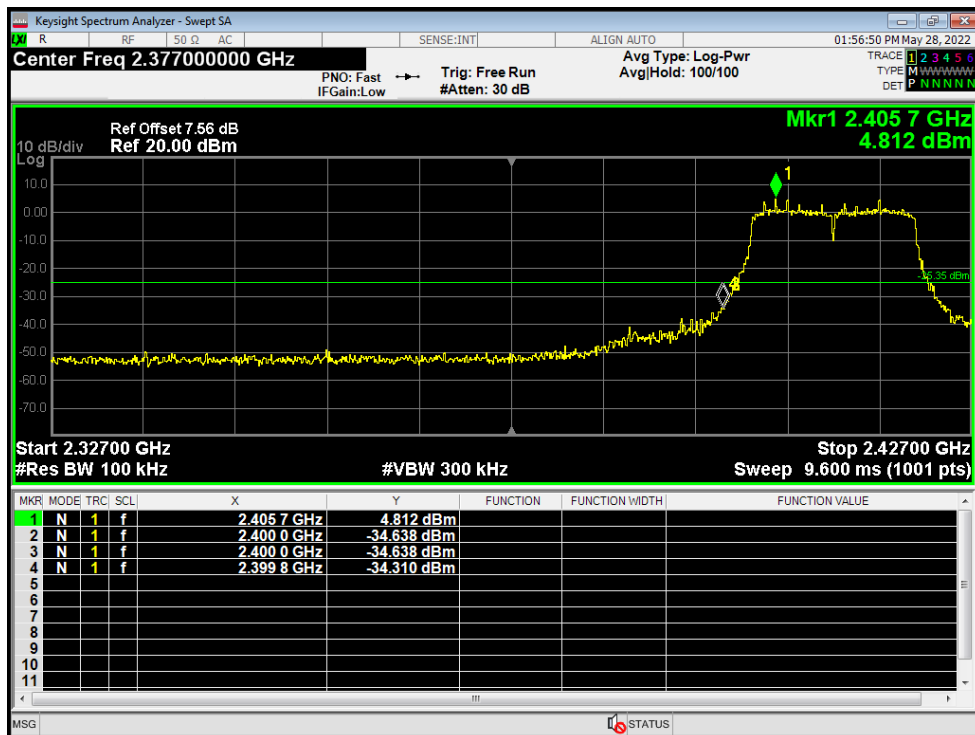


ANT2

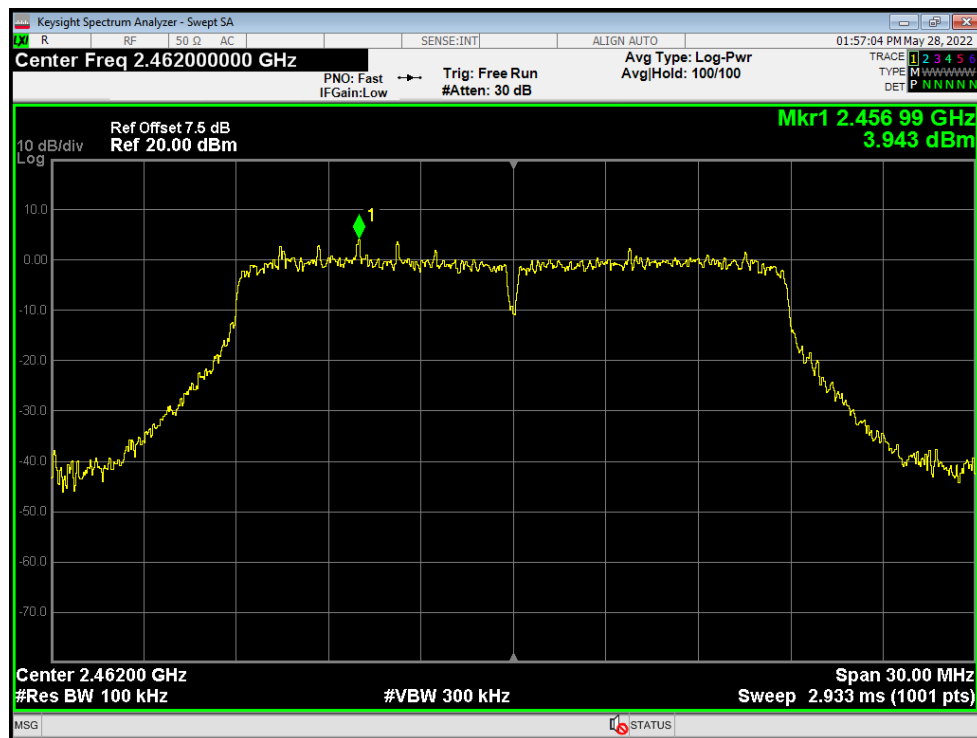
Band Edge NVHT ax20 2412MHz Ant2 Ref



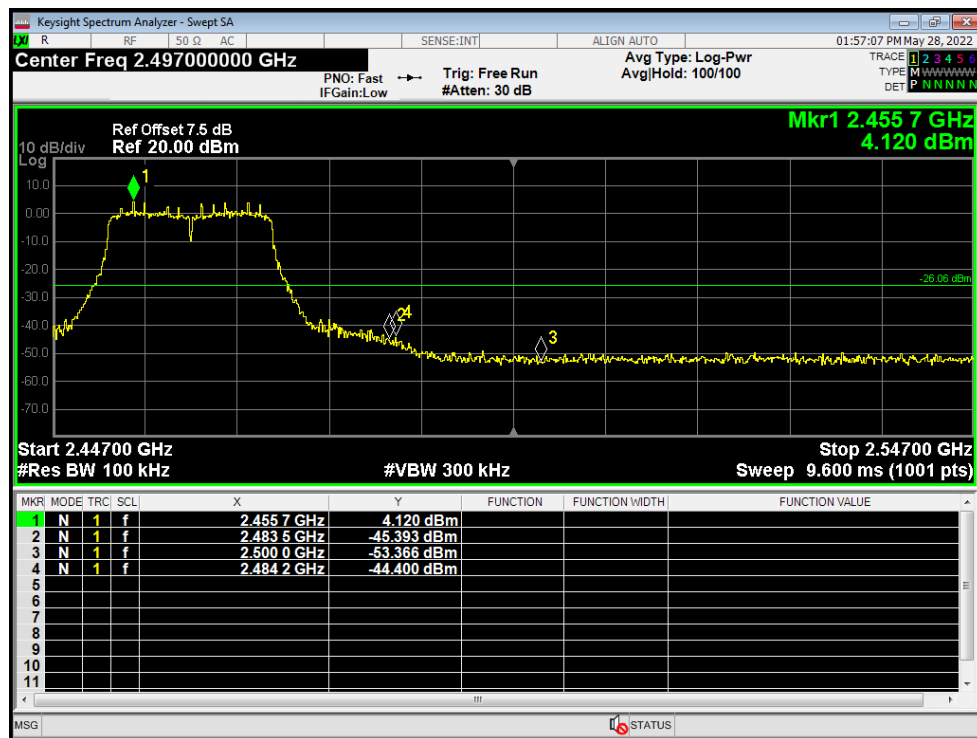
Band Edge NVHT ax20 2412MHz Ant2 Emission



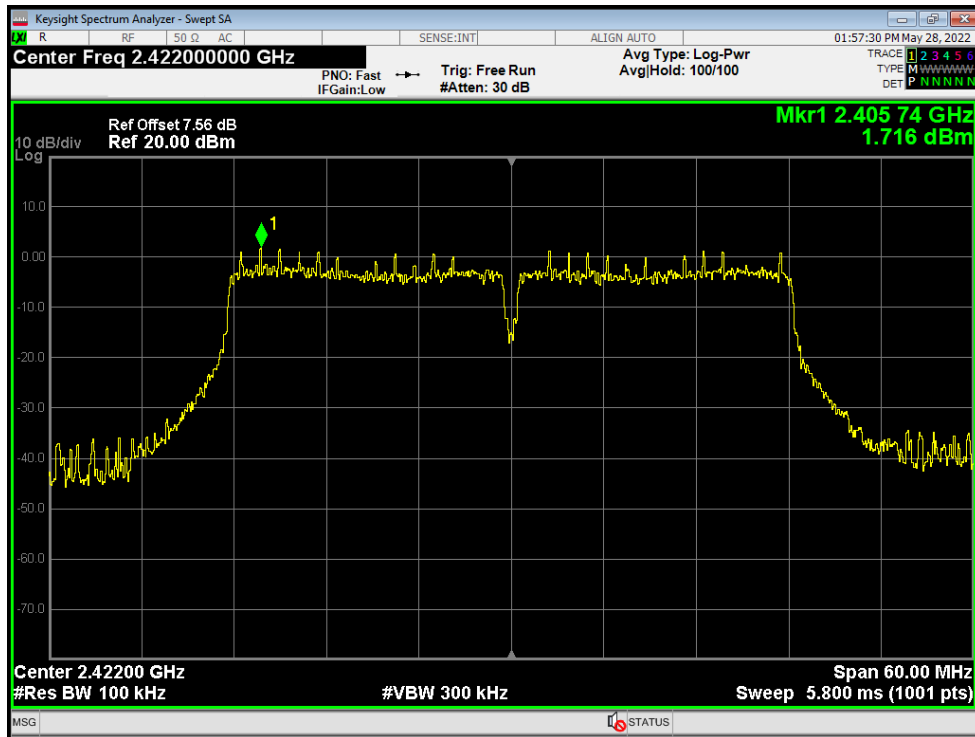
Band Edge NVHT ax20 2462MHz Ant2 Ref



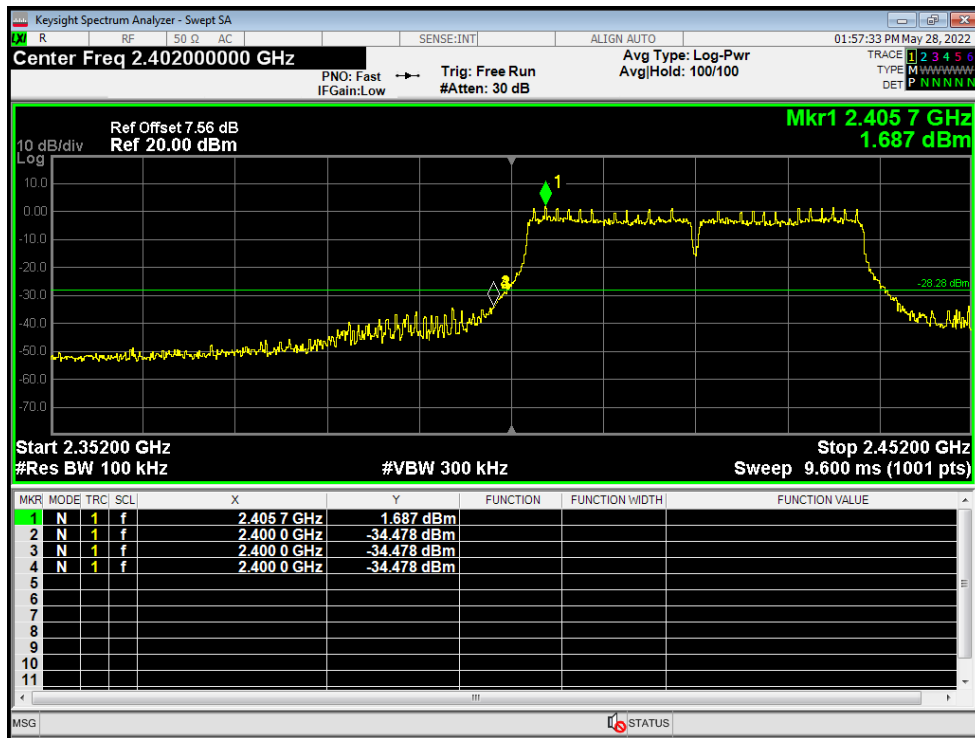
Band Edge NVHT ax20 2462MHz Ant2 Emission



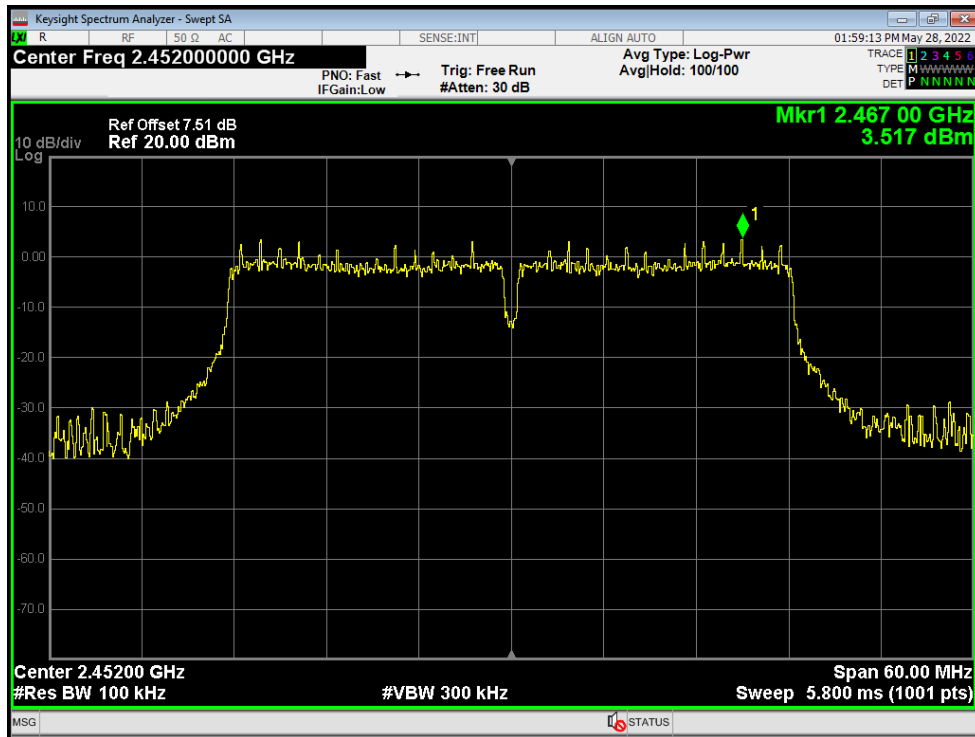
Band Edge NVHT ax40 2422MHz Ant2 Ref



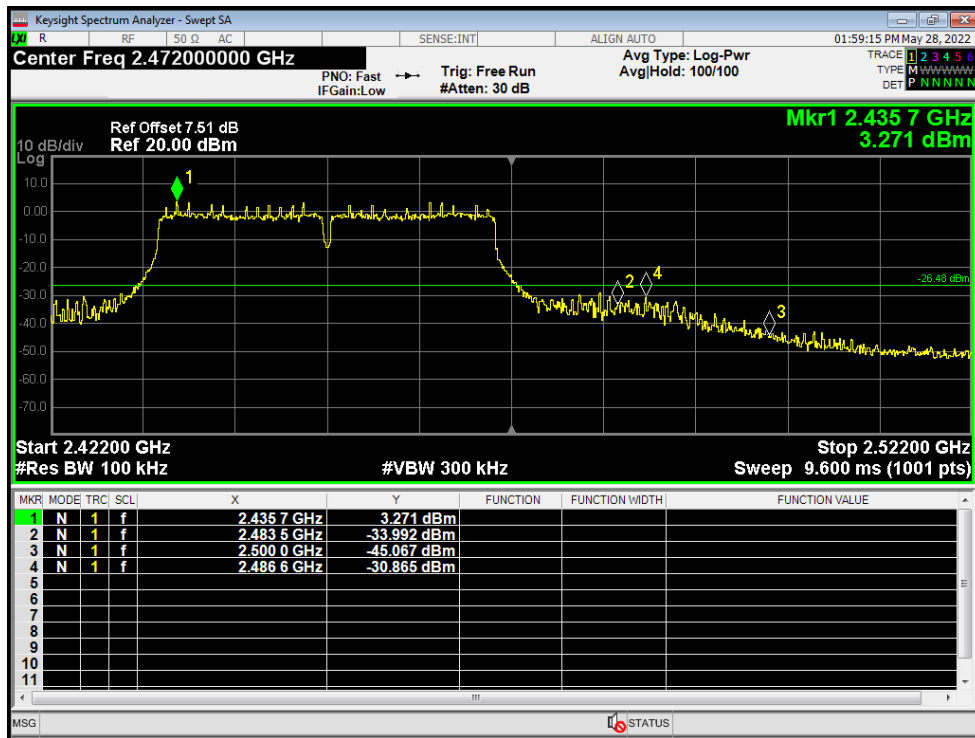
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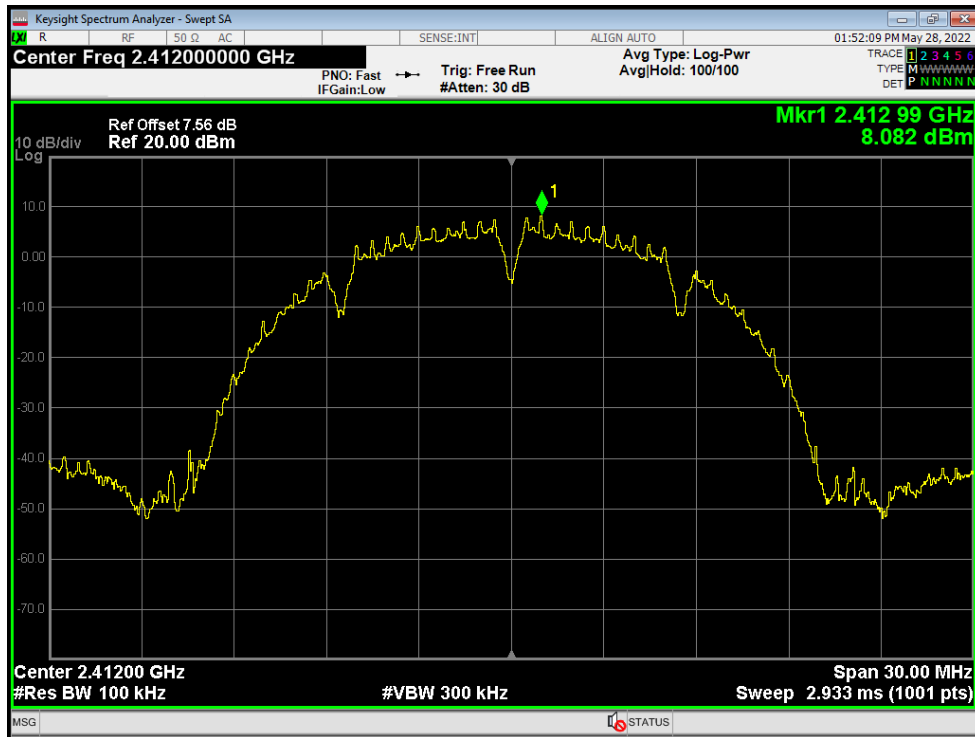
Band Edge NVHT ax40 2452MHz Ant2 Ref



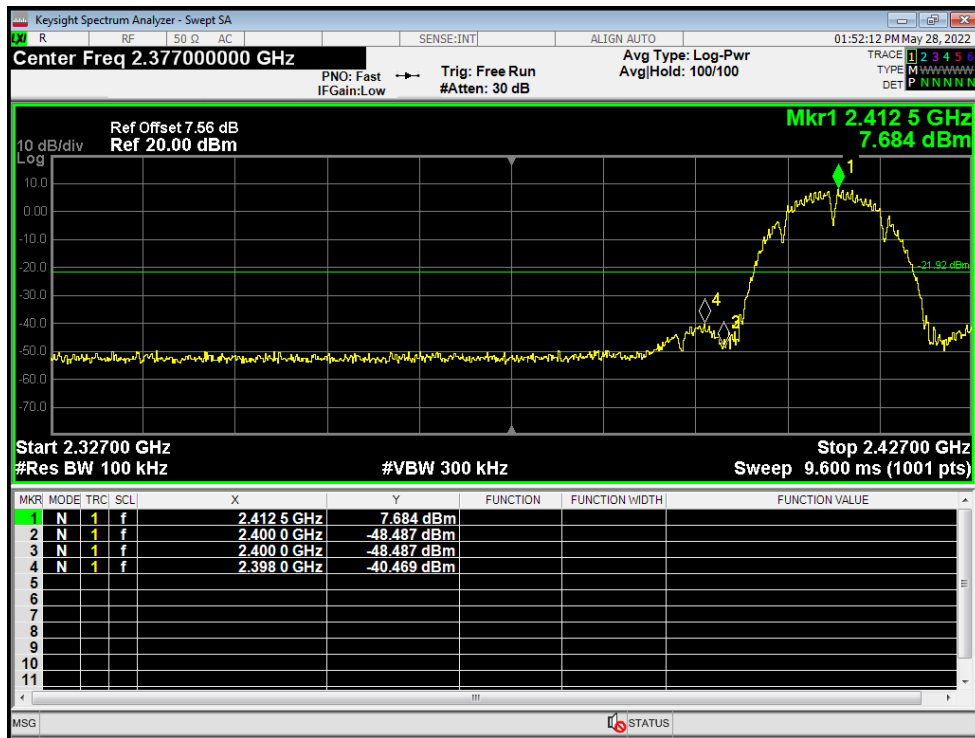
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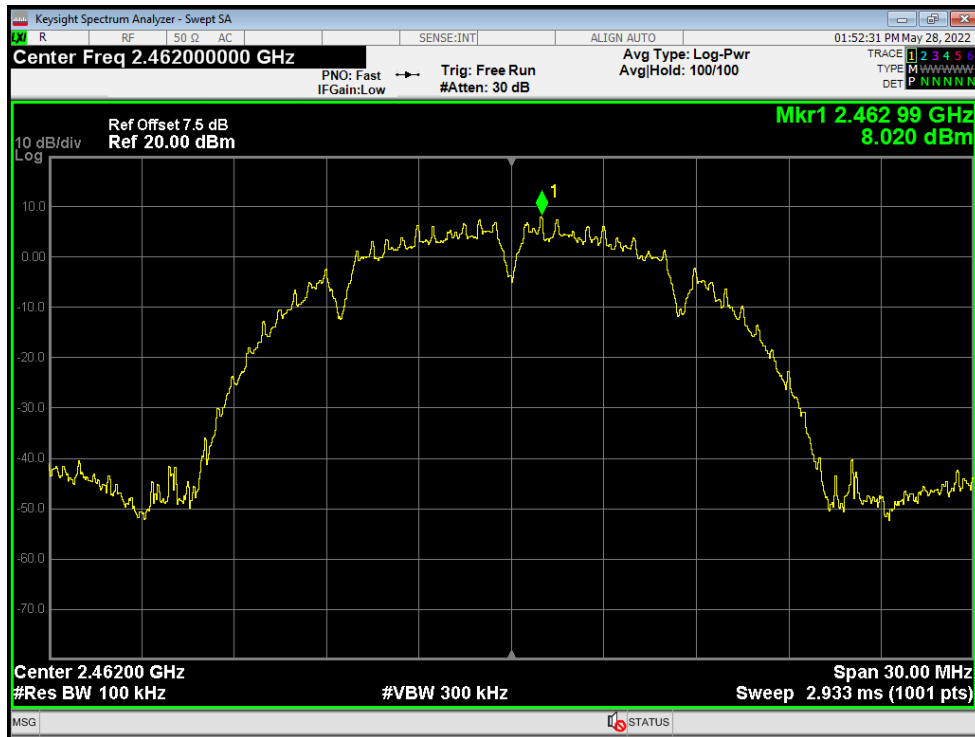
Band Edge NVHT b 2412MHz Ant2 Ref



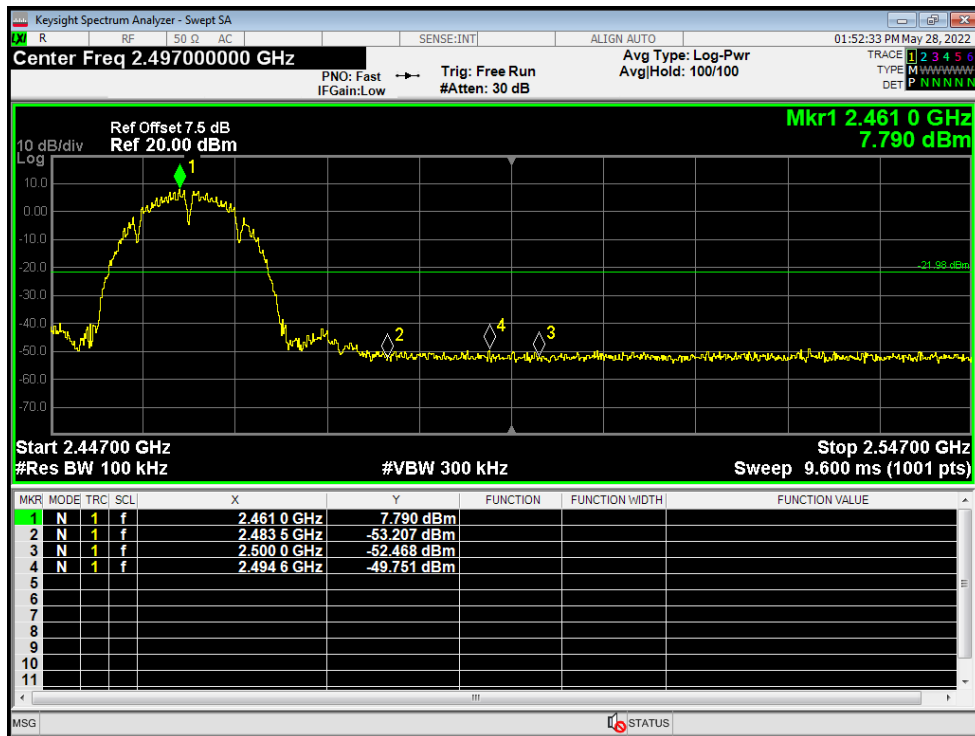
Band Edge NVHT b 2412MHz Ant2 Emission



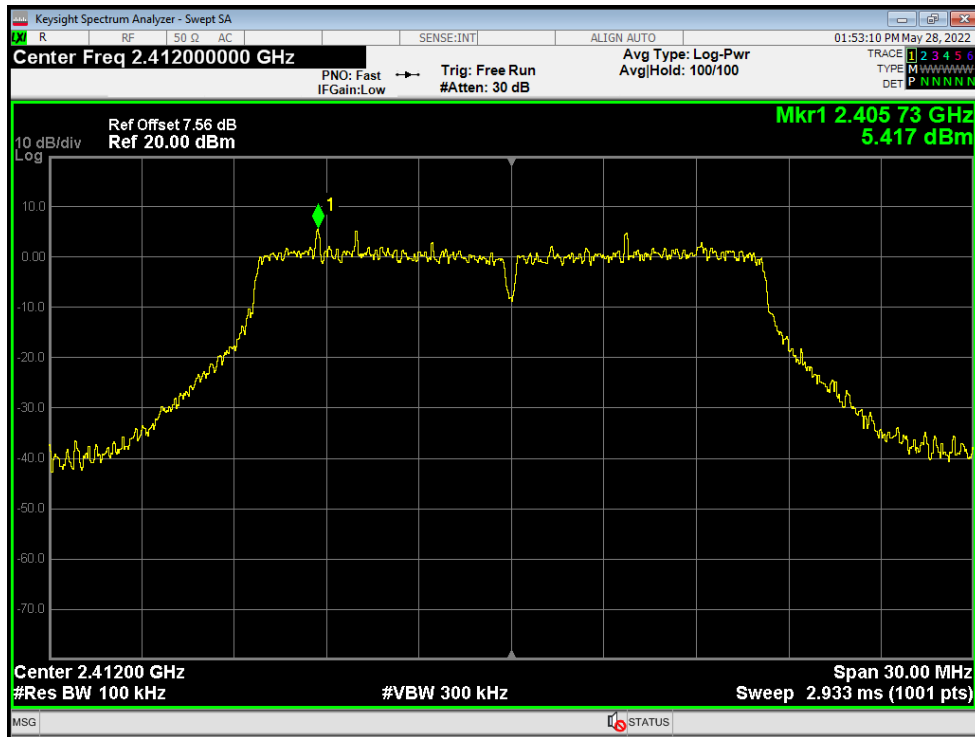
Band Edge NVHT b 2462MHz Ant2 Ref



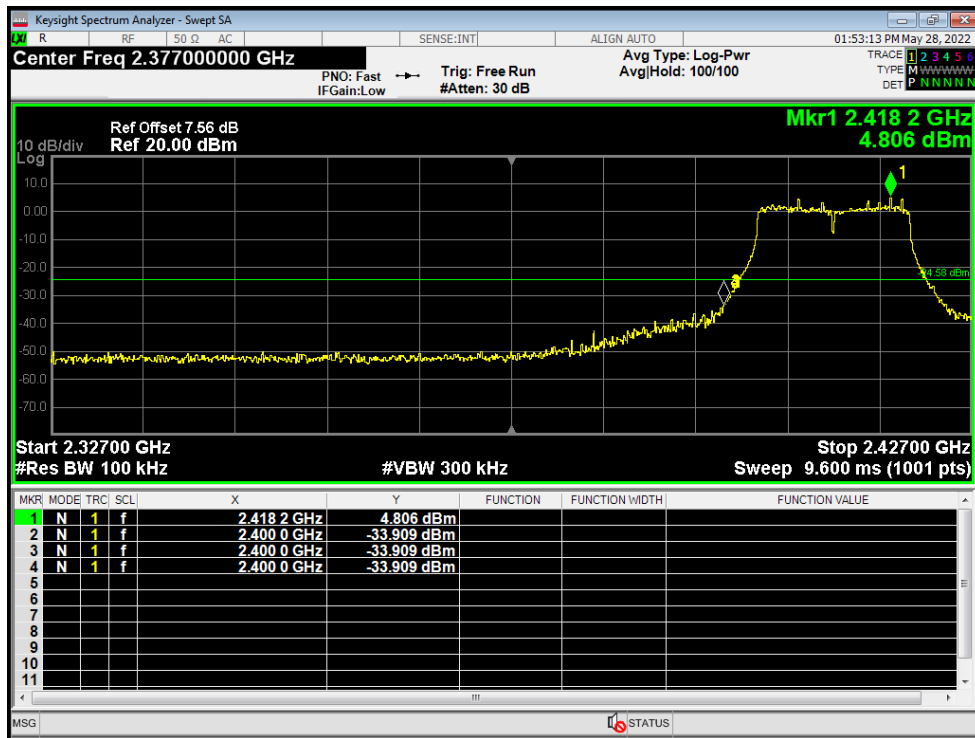
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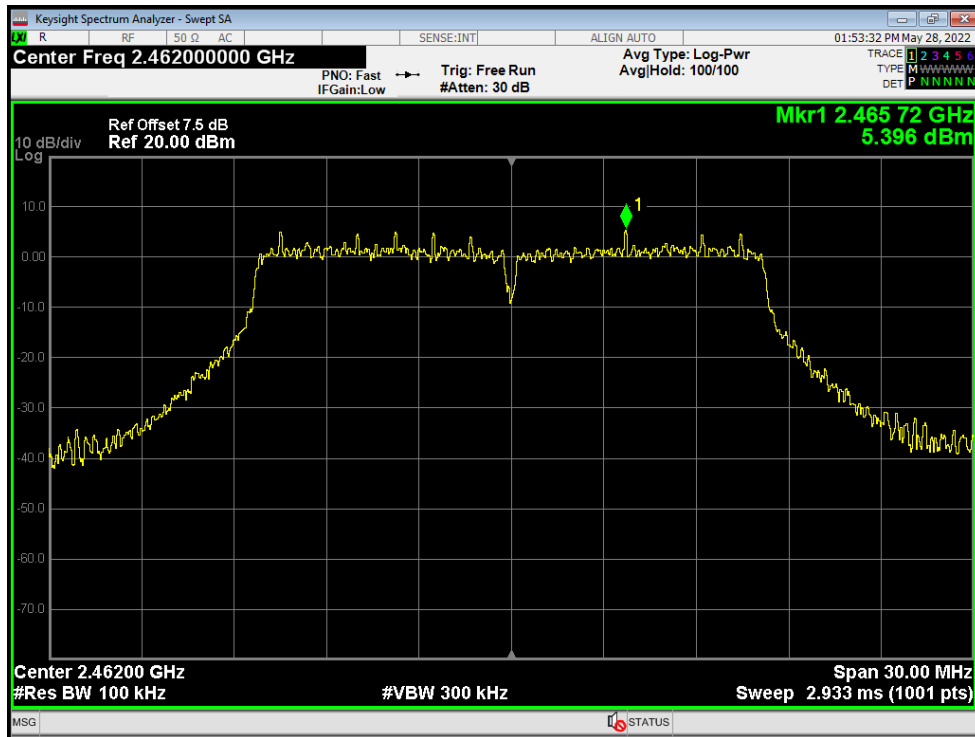
Band Edge NVHT g 2412MHz Ant2 Ref



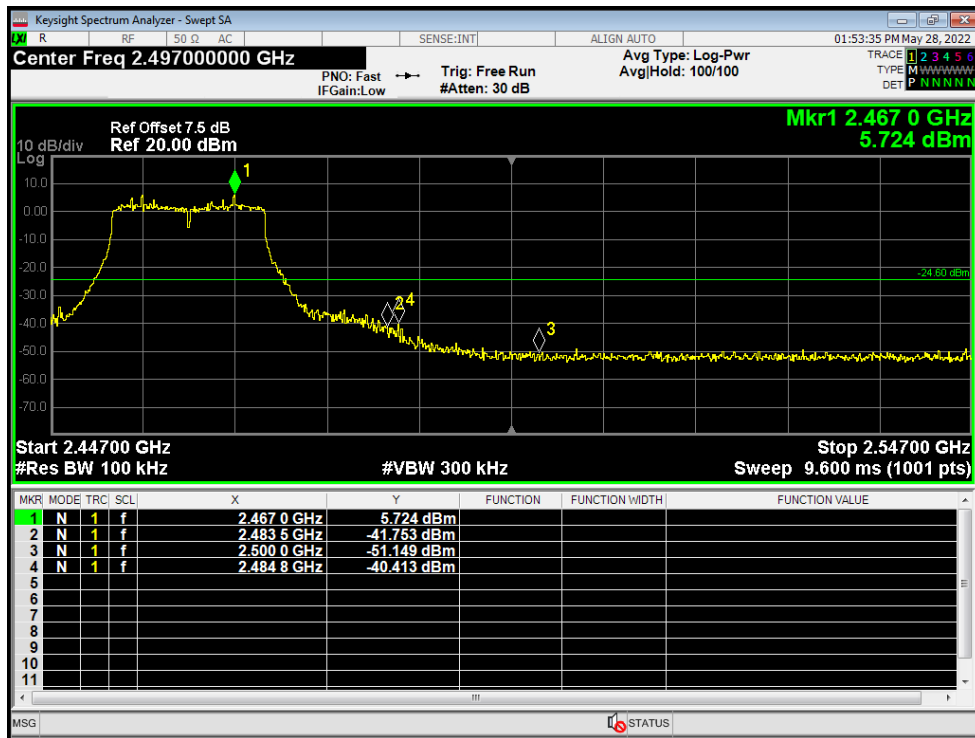
Band Edge NVHT g 2412MHz Ant2 Emission



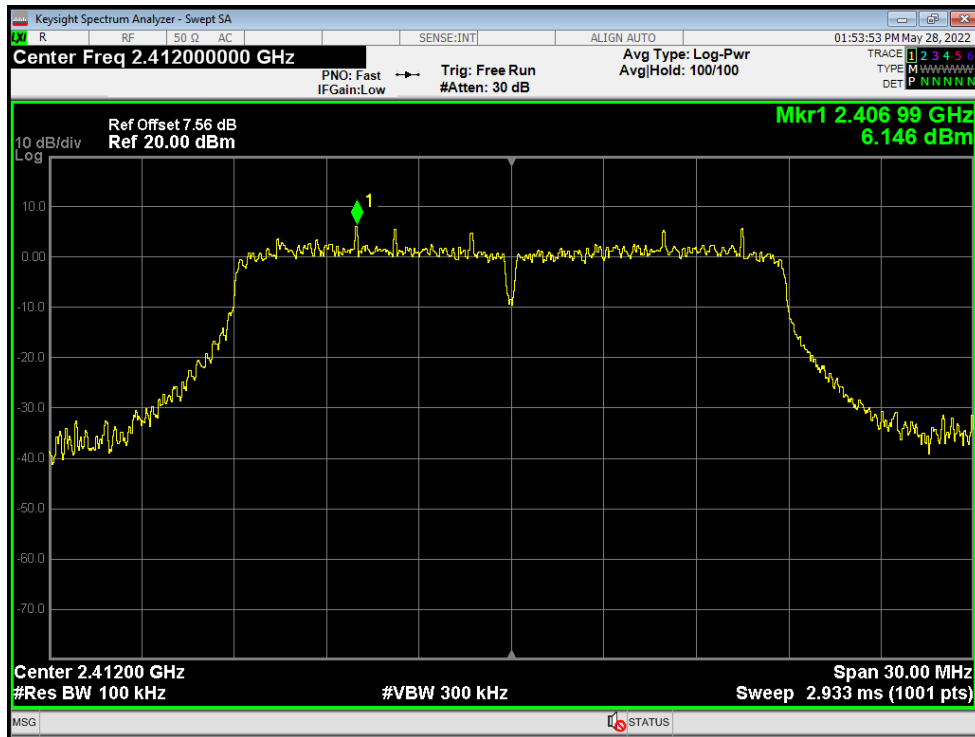
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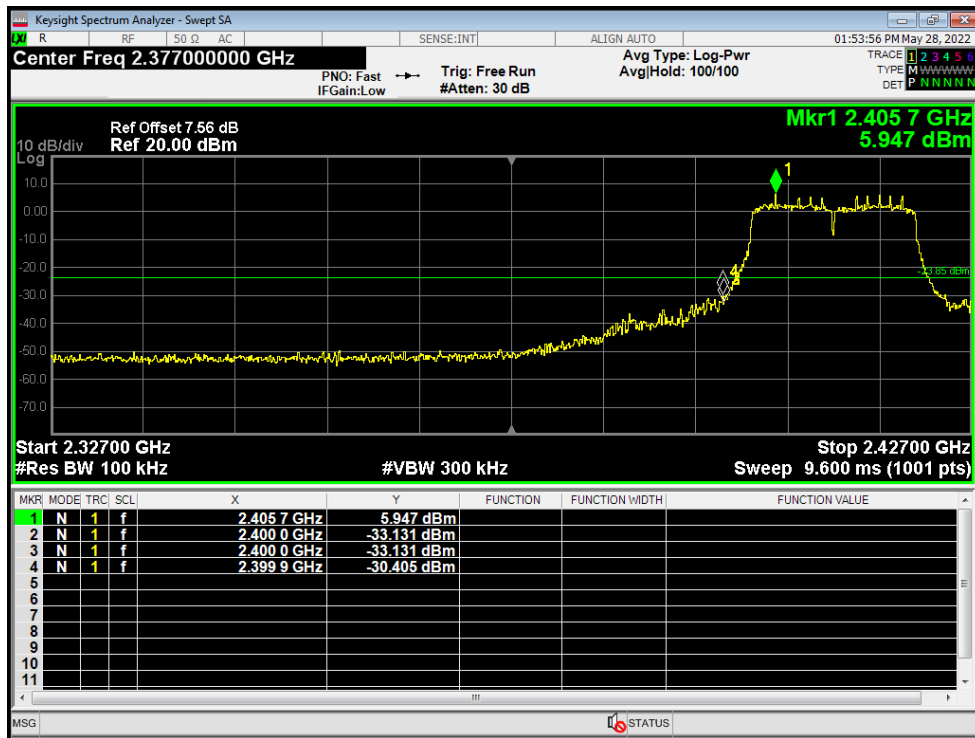
Band Edge NVHT g 2462MHz Ant2 Emission



Band Edge NVHT n20 2412MHz Ant2 Ref



Band Edge NVHT n20 2412MHz Ant2 Emission



Keysight Spectrum Analyzer - Swept SA

01:54:11 PM May 28, 2022

Center Freq 2.46200000 GHz

PNO: Fast → Trig: Free Run Avg Type: Log-Pwr
IFGain: Low #Atten: 30 dB Avg|Hold: 100/100

Ref Offset 7.5 dB
Ref 20.00 dBm

Mkr1 2.466 98 GHz
5.815 dBm

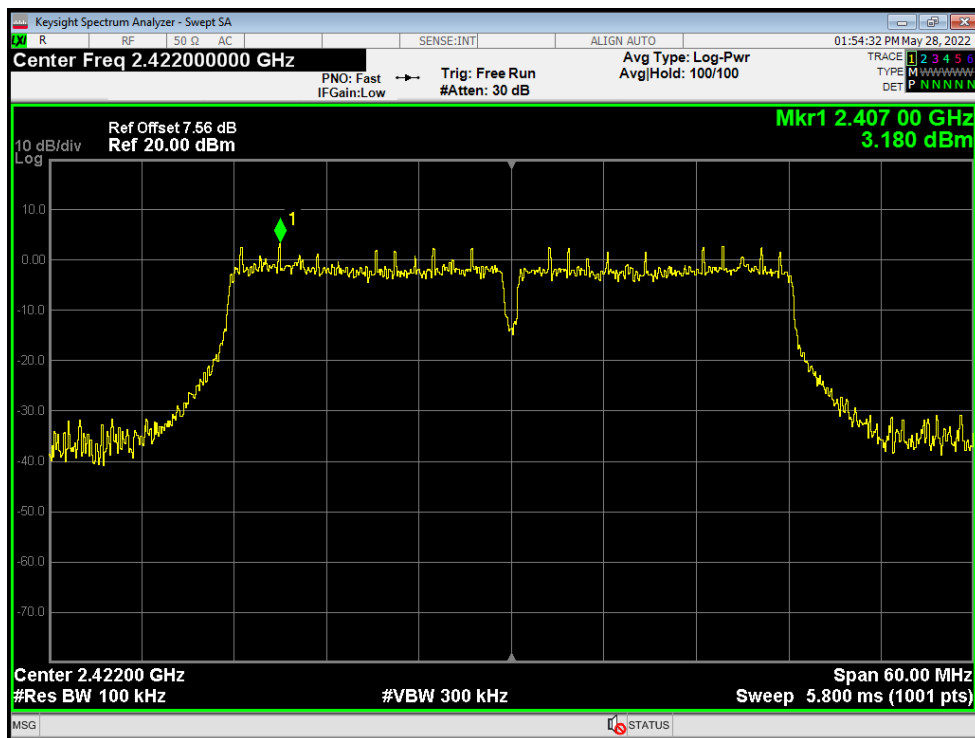
10 dB/div
Log

Center 2.46200 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30.00 MHz
Sweep 2.933 ms (10pts)

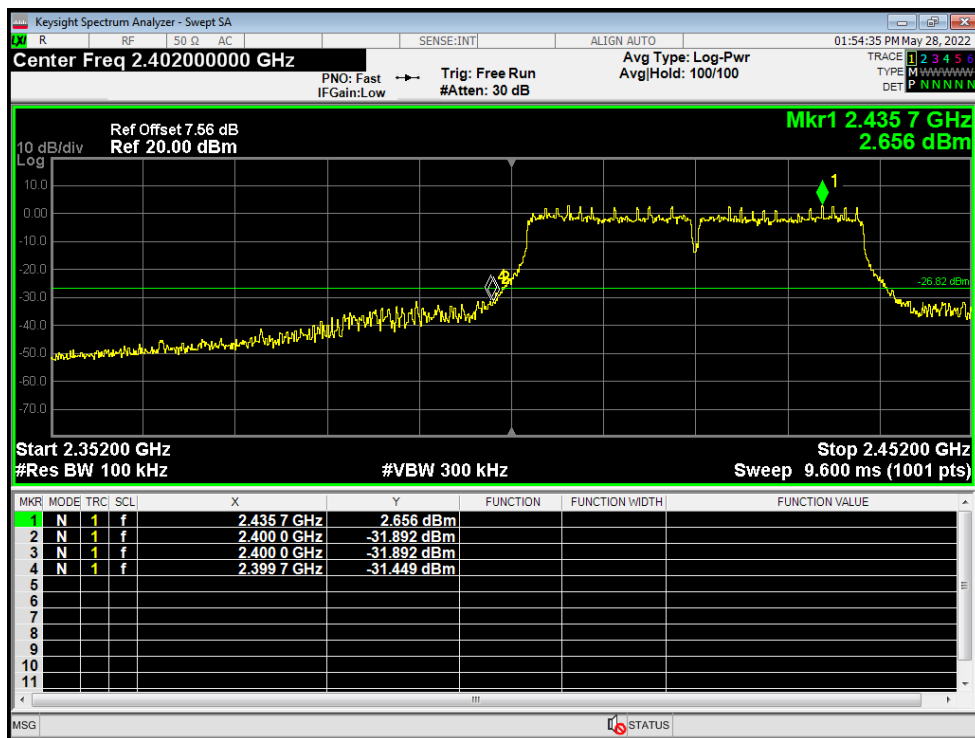
The image shows a Keysight Spectrum Analyzer display. The main plot area is a grid with a yellow trace representing the signal spectrum. The trace shows a broad, noisy signal centered around 2.462 GHz. A green diamond marker labeled '1' is placed on the trace at a frequency of 2.46698 GHz, with a power level of 5.815 dBm. The y-axis is labeled '10 dB/div' and 'Log', with a scale from -70.0 to 10.0. The x-axis is labeled 'Center 2.46200 GHz', '#Res BW 100 kHz', '#VBW 300 kHz', and 'Span 30.00 MHz'. The top of the display shows various settings: 'Center Freq 2.46200000 GHz', 'PNO: Fast', 'IFGain: Low', 'Trig: Free Run', '#Atten: 30 dB', 'Avg Type: Log-Pwr', and 'Avg|Hold: 100/100'. The top right corner shows the date and time: '01:54:11 PM May 28, 2022'. The bottom left corner shows 'MSG' and the bottom right corner shows 'STATUS'.

[illegible]

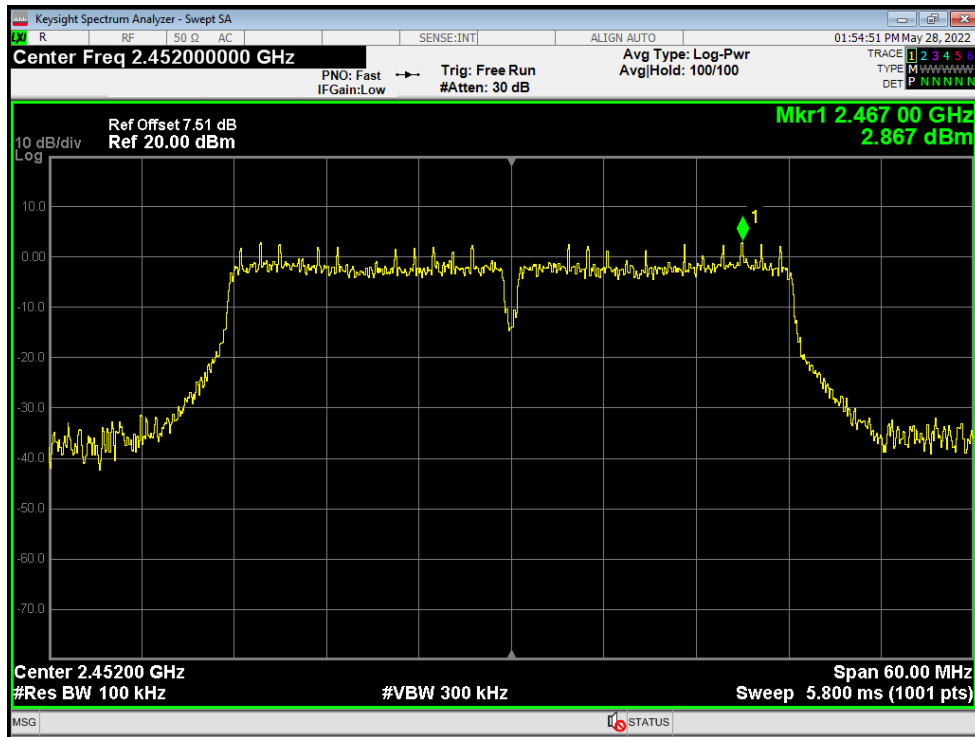
Band Edge NVHT n40 2422MHz Ant2 Ref



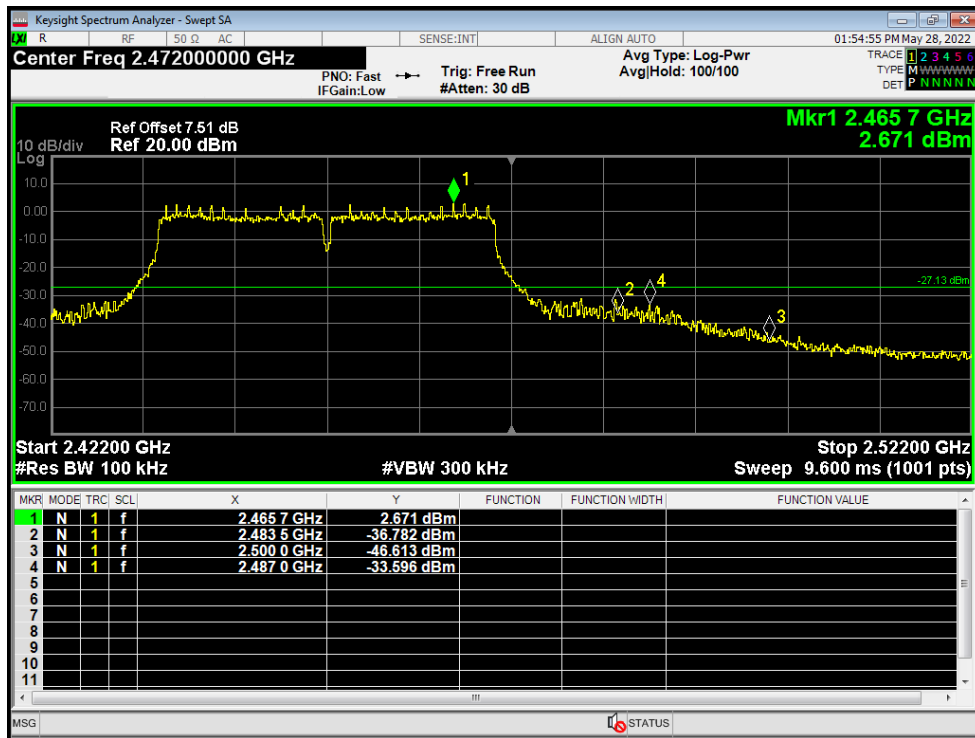
Band Edge NVHT n40 2422MHz Ant2 Emission



Band Edge NVHT n40 2452MHz Ant2 Ref



Band Edge NVHT n40 2452MHz Ant2 Emission

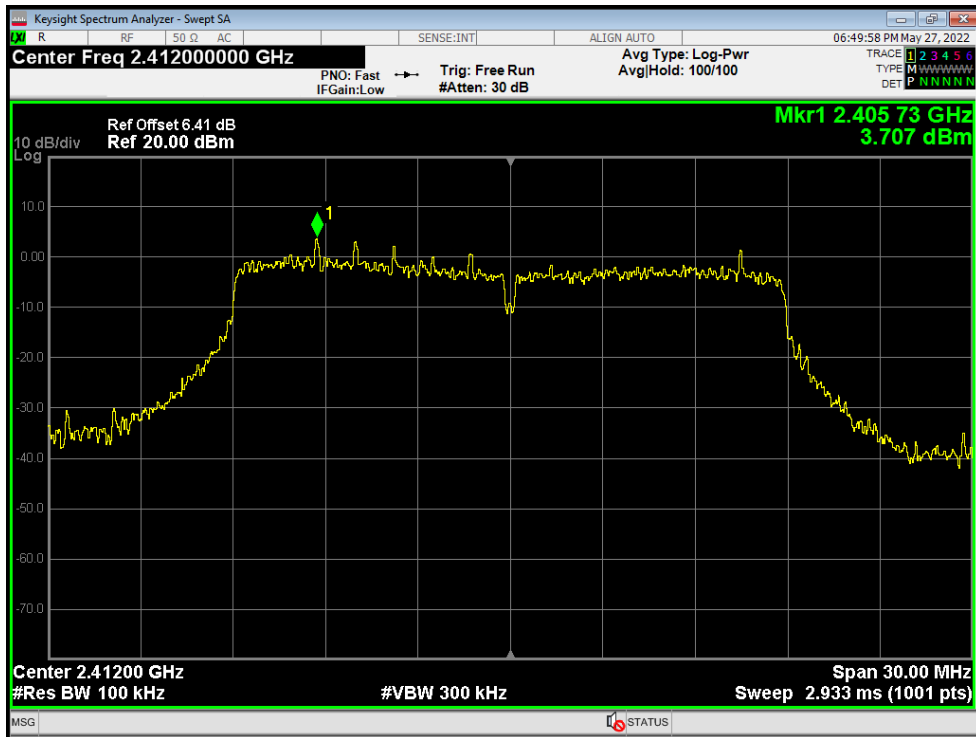


Conducted RF Spurious Emission

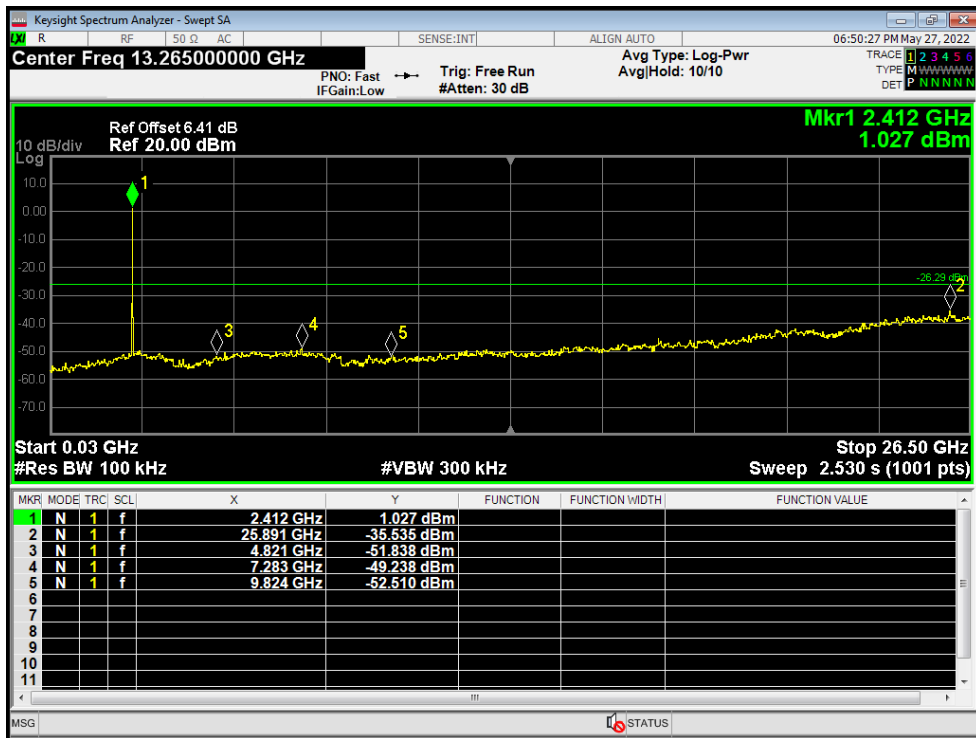
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax20	2412	Ant1	-39.24	-30	Pass
NVNT	ax20	2437	Ant1	-44.71	-30	Pass
NVNT	ax20	2462	Ant1	-38.7	-30	Pass
NVNT	ax40	2422	Ant1	-39.79	-30	Pass
NVNT	ax40	2437	Ant1	-38.85	-30	Pass
NVNT	ax40	2452	Ant1	-36.09	-30	Pass
NVNT	b	2412	Ant1	-42.5	-30	Pass
NVNT	b	2437	Ant1	-43.96	-30	Pass
NVNT	b	2462	Ant1	-43.85	-30	Pass
NVNT	g	2412	Ant1	-40.45	-30	Pass
NVNT	g	2437	Ant1	-41.65	-30	Pass
NVNT	g	2462	Ant1	-40.22	-30	Pass
NVNT	n20	2412	Ant1	-40.62	-30	Pass
NVNT	n20	2437	Ant1	-40.23	-30	Pass
NVNT	n20	2462	Ant1	-39.41	-30	Pass
NVNT	n40	2422	Ant1	-37.21	-30	Pass
NVNT	n40	2437	Ant1	-39.34	-30	Pass
NVNT	n40	2452	Ant1	-37.86	-30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax20	2412	Ant2	-36.95	-30	Pass
NVNT	ax20	2437	Ant2	-43.38	-30	Pass
NVNT	ax20	2462	Ant2	-36.35	-30	Pass
NVNT	ax40	2422	Ant2	-39.37	-30	Pass
NVNT	ax40	2437	Ant2	-38.11	-30	Pass
NVNT	ax40	2452	Ant2	-39.19	-30	Pass
NVHT	b	2412	Ant2	-42.75	-30	Pass
NVHT	b	2437	Ant2	-45.56	-30	Pass
NVHT	b	2462	Ant2	-43.26	-30	Pass
NVHT	g	2412	Ant2	-40.26	-30	Pass
NVHT	g	2437	Ant2	-41.55	-30	Pass
NVHT	g	2462	Ant2	-40.82	-30	Pass
NVHT	g	2412	Ant2	-39.44	-30	Pass
NVHT	g	2437	Ant2	-41.61	-30	Pass
NVHT	g	2462	Ant2	-39.74	-30	Pass
NVHT	n40	2422	Ant2	-37.7	-30	Pass
NVHT	n40	2437	Ant2	-38.81	-30	Pass
NVHT	n40	2452	Ant2	-38.54	-30	Pass

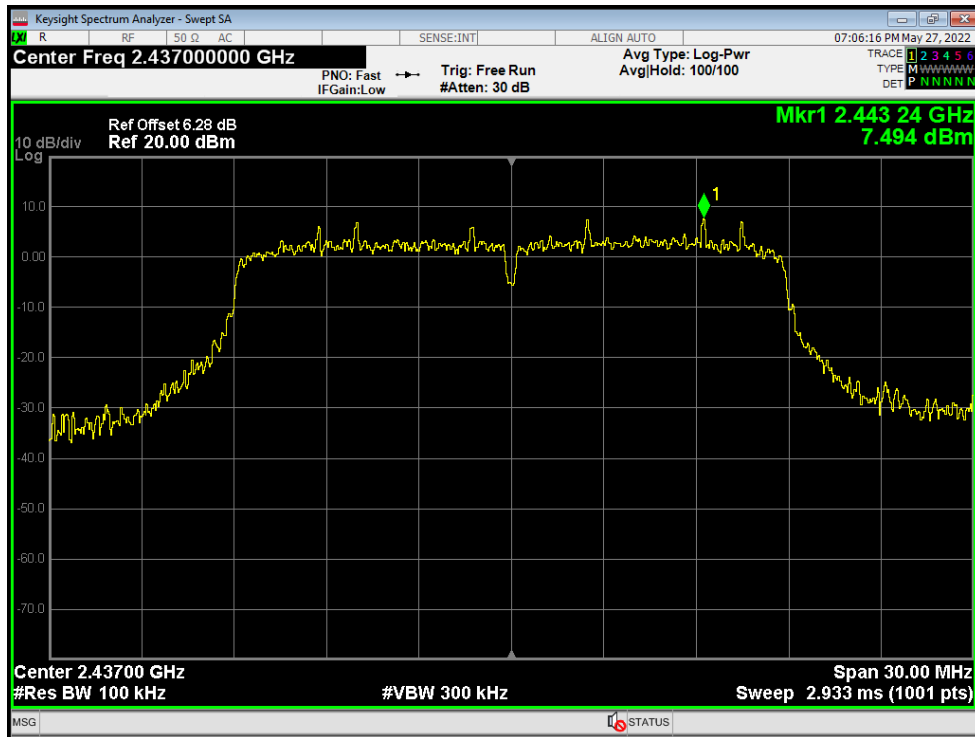
Tx. Spurious NVNT ax20 2412MHz Ant1 Ref



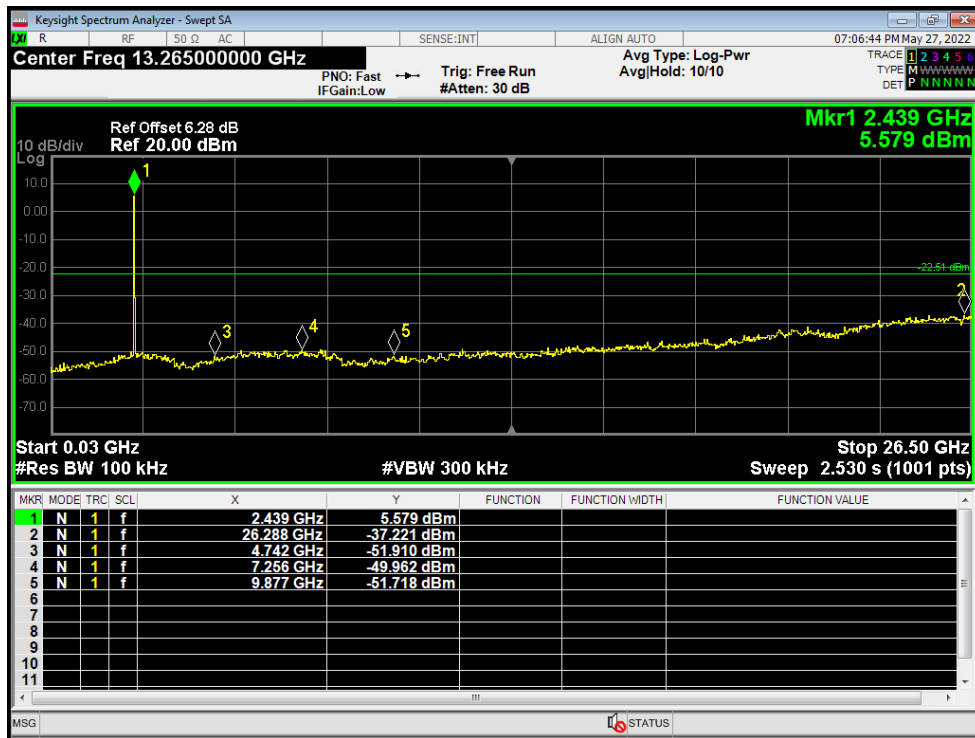
Tx. Spurious NVNT ax20 2412MHz Ant1 Emission



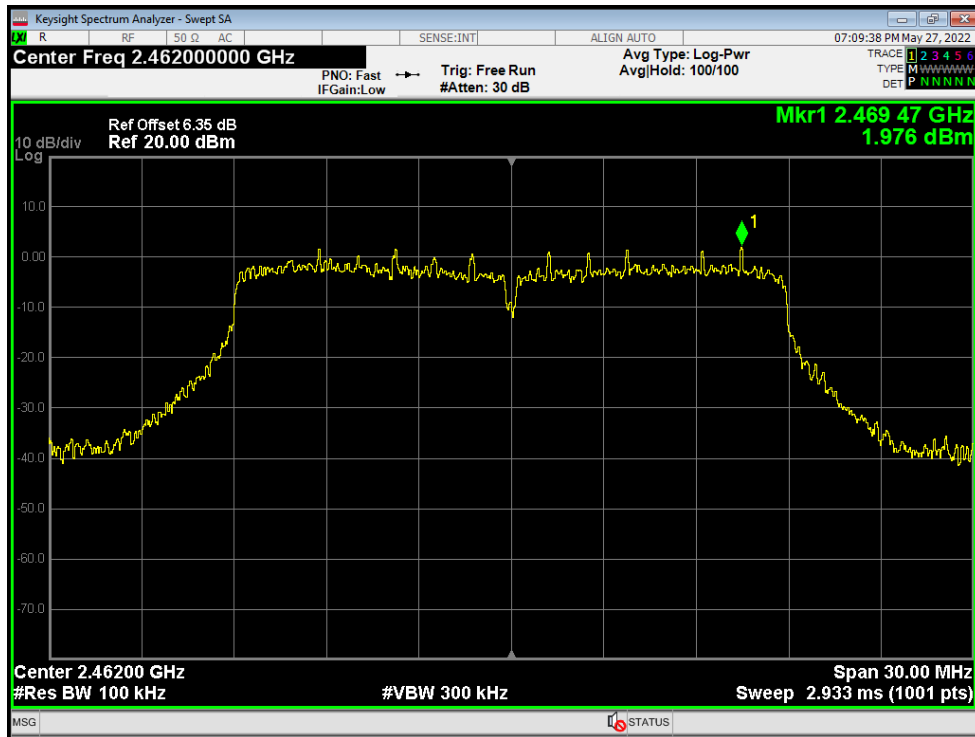
Tx. Spurious NVNT ax20 2437MHz Ant1 Ref



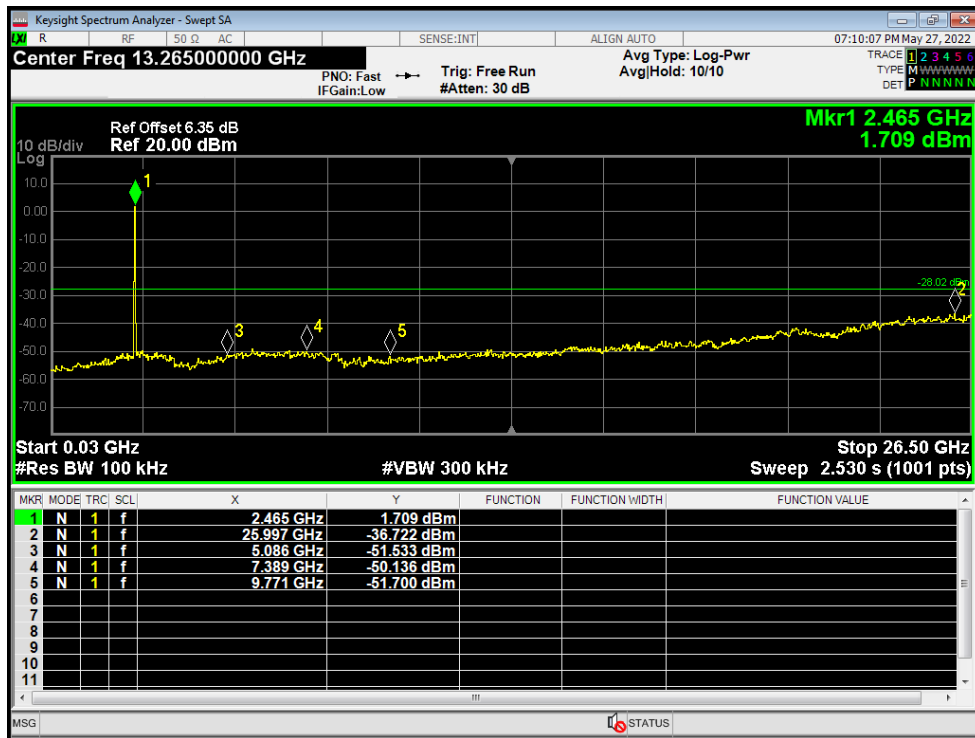
Tx. Spurious NVNT ax20 2437MHz Ant1 Emission



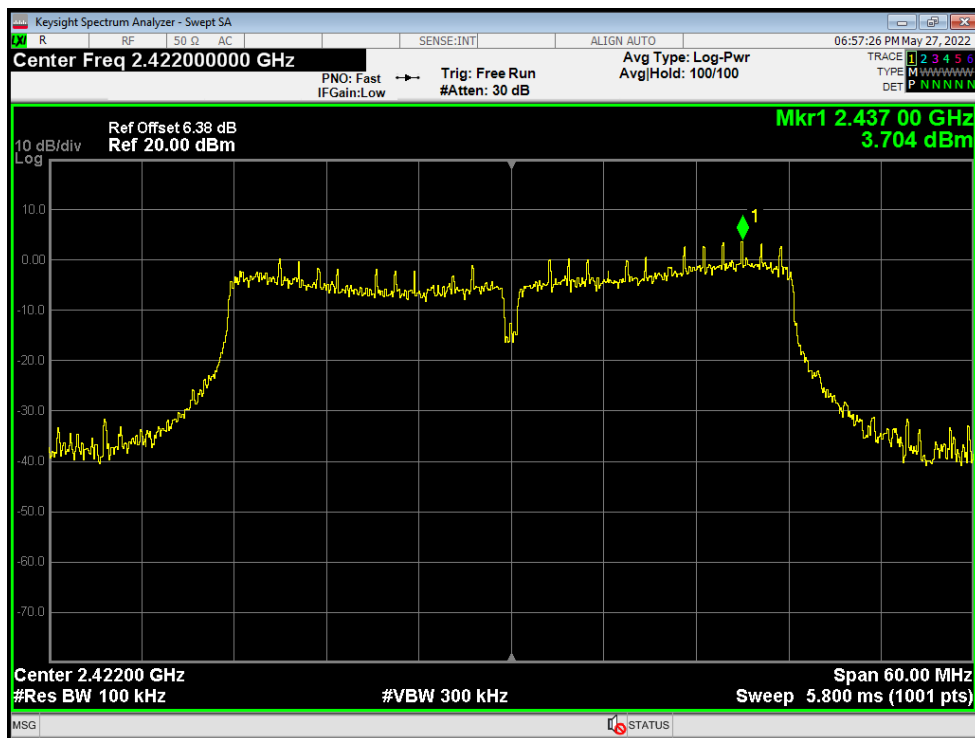
Tx. Spurious NVNT ax20 2462MHz Ant1 Ref



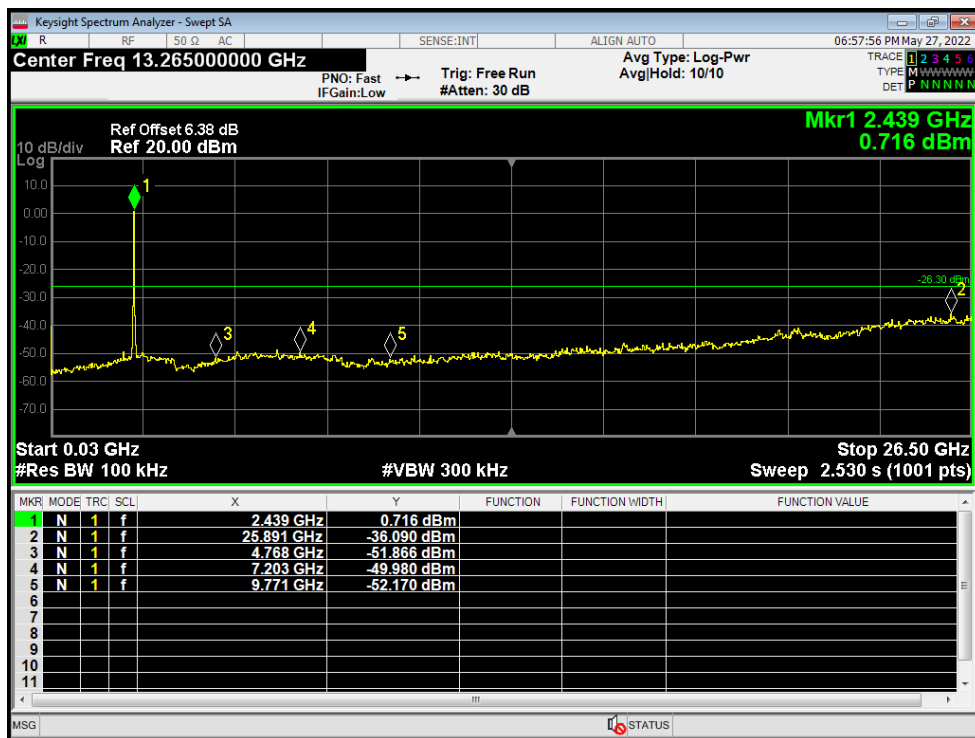
Tx. Spurious NVNT ax20 2462MHz Ant1 Emission



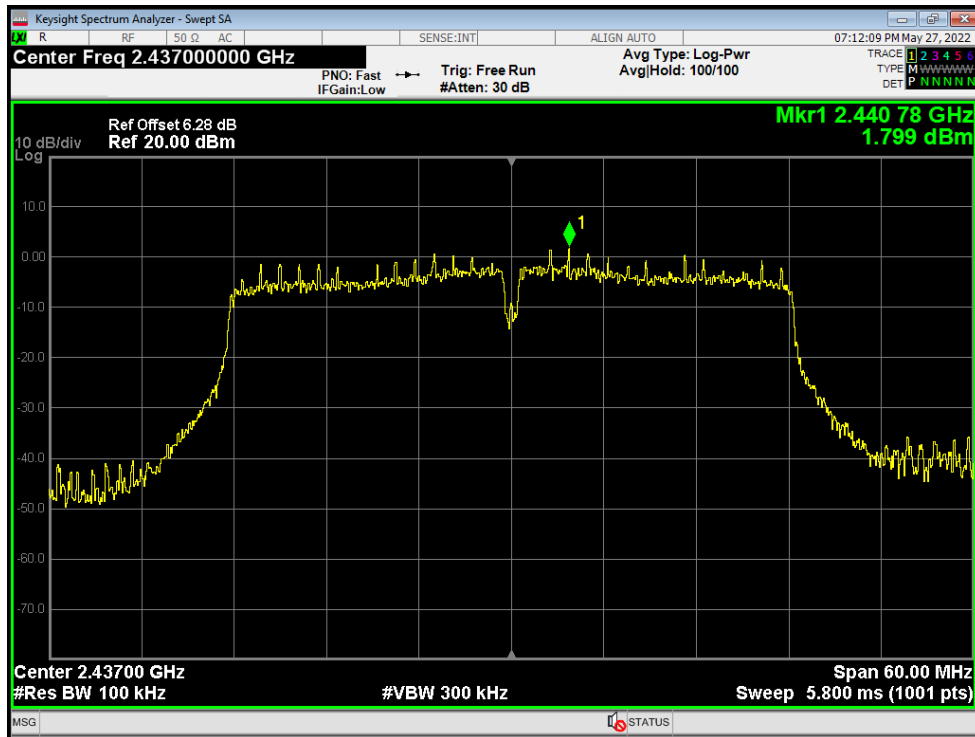
Tx. Spurious NVNT ax40 2422MHz Ant1 Ref



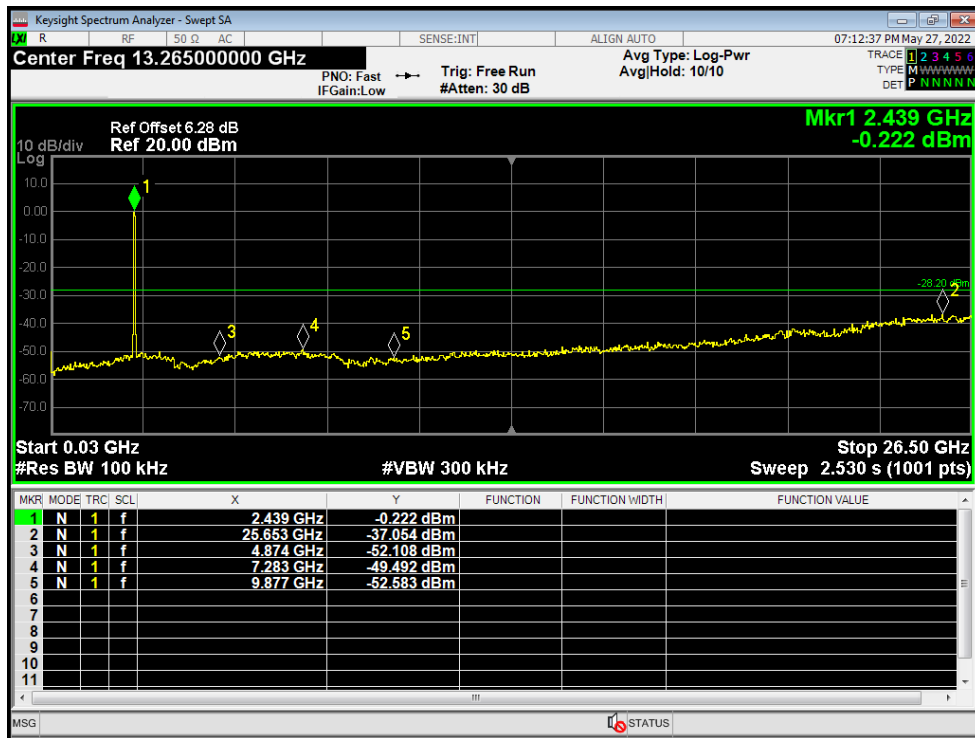
Tx. Spurious NVNT ax40 2422MHz Ant1 Emission



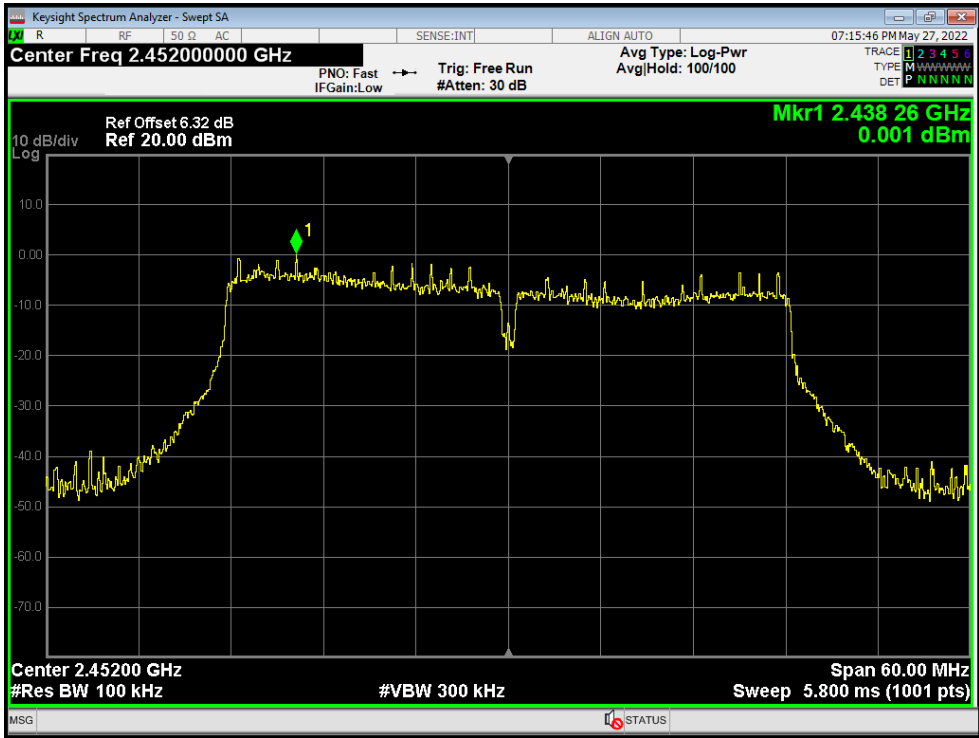
Tx. Spurious NVNT ax40 2437MHz Ant1 Ref



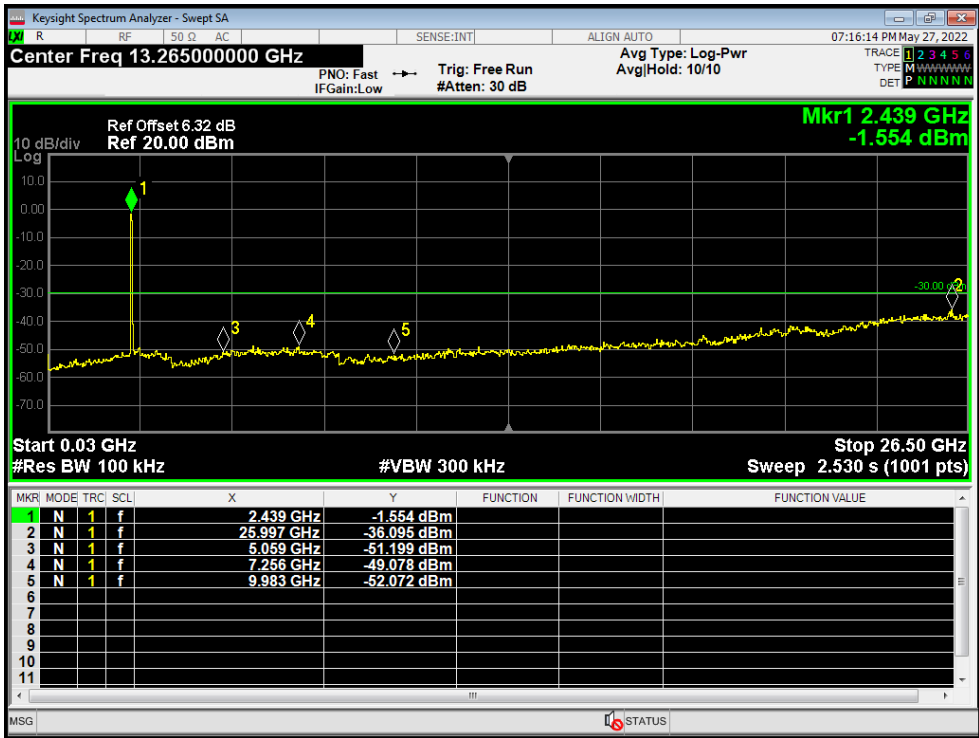
Tx. Spurious NVNT ax40 2437MHz Ant1 Emission



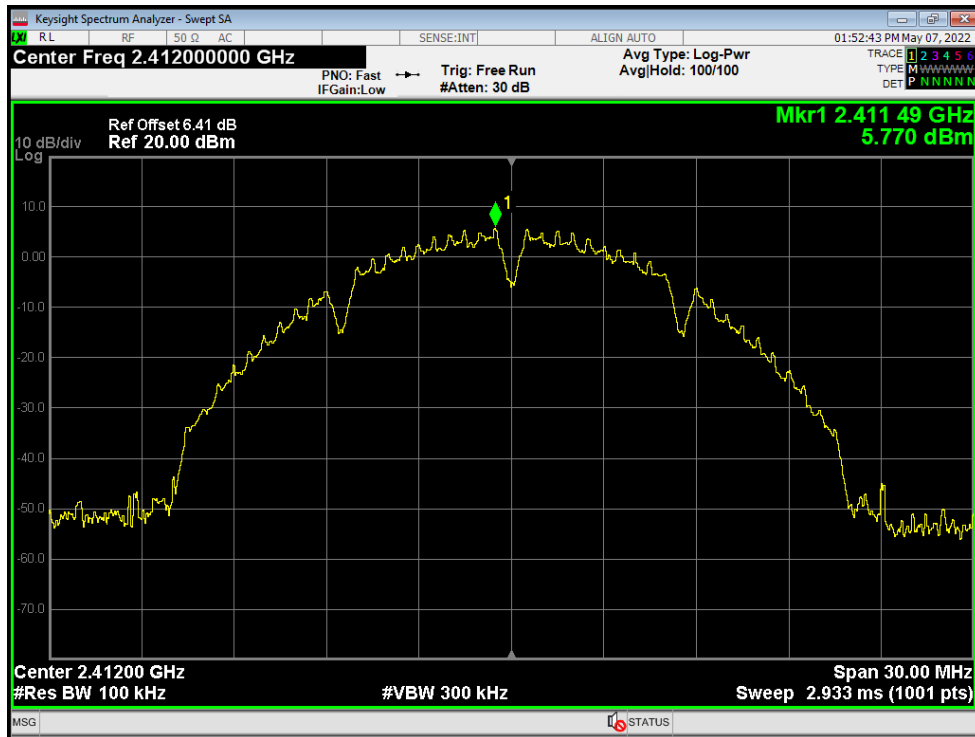
Tx. Spurious NVNT ax40 2452MHz Ant1 Ref



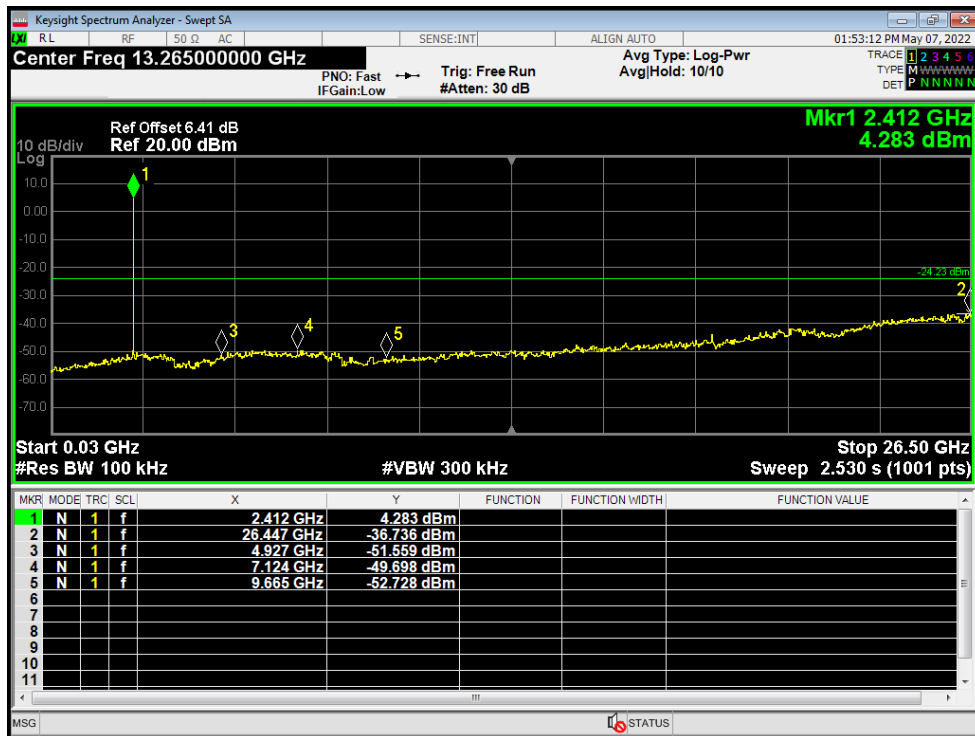
Tx. Spurious NVNT ax40 2452MHz Ant1 Emission



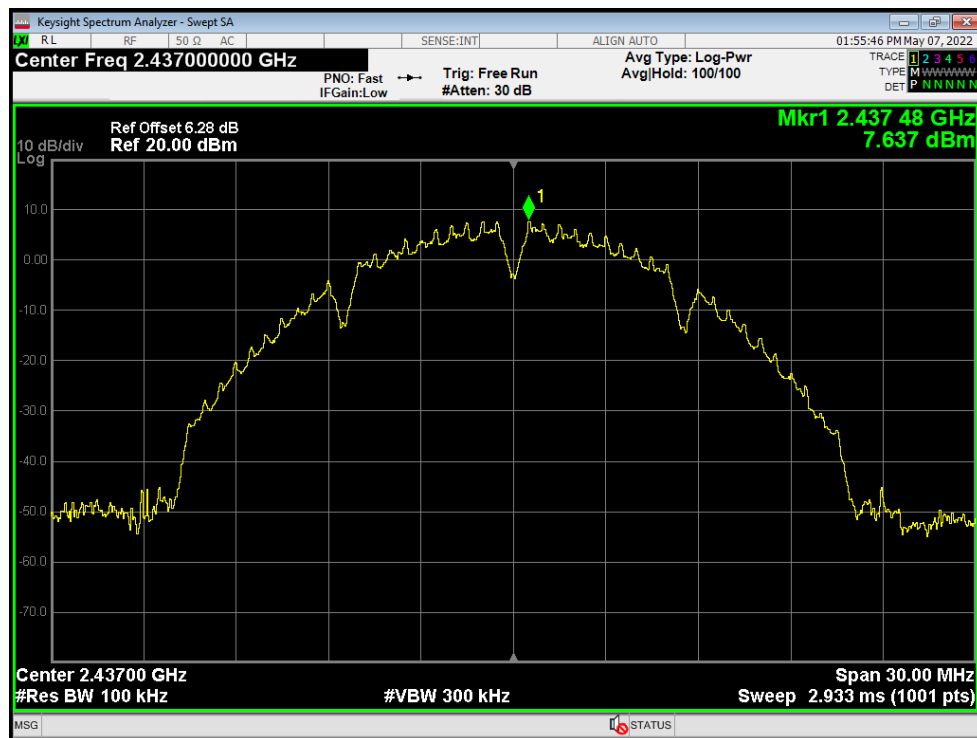
Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission



Tx. Spurious NVNT b 2437MHz Ant1 Ref



Tx. Spurious NVNT b 2437MHz Ant1 Emission

