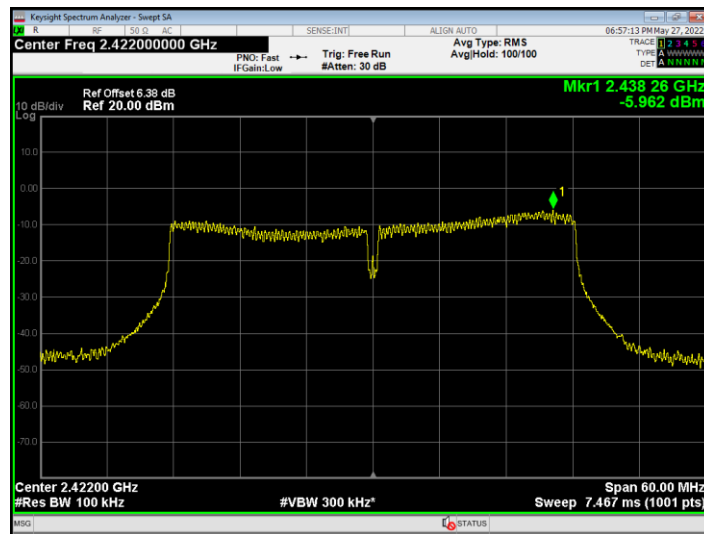
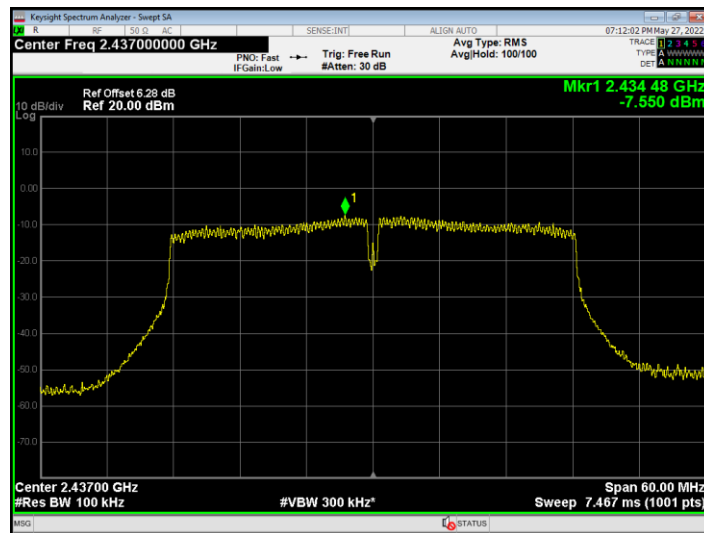


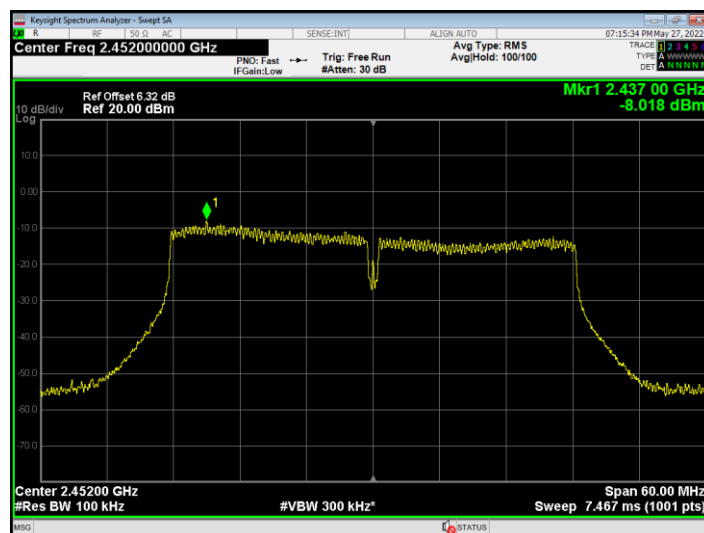
PSD NVNT ax40 2422MHz Ant1



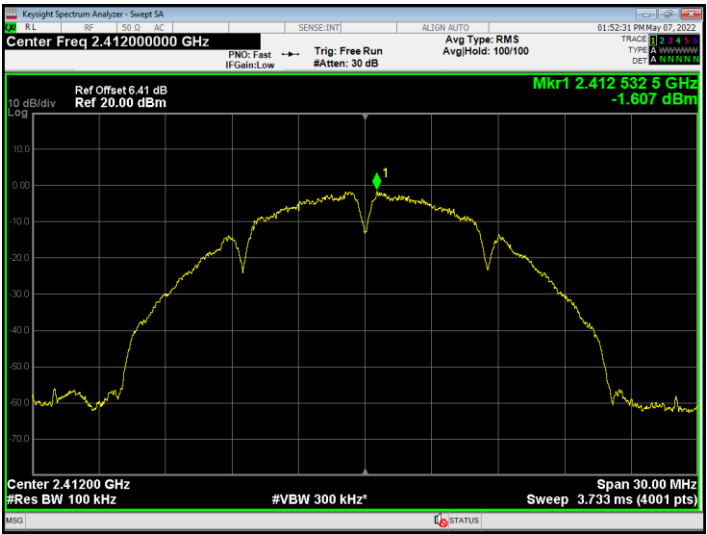
PSD NVNT ax40 2437MHz Ant1



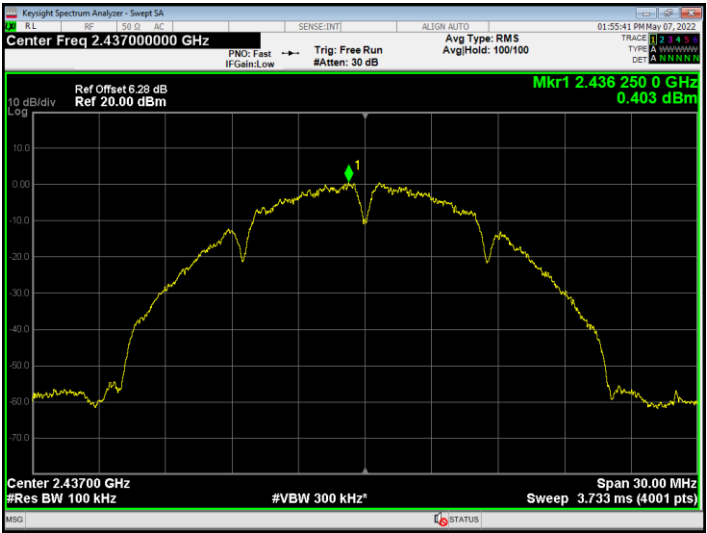
PSD NVNT ax40 2452MHz Ant1



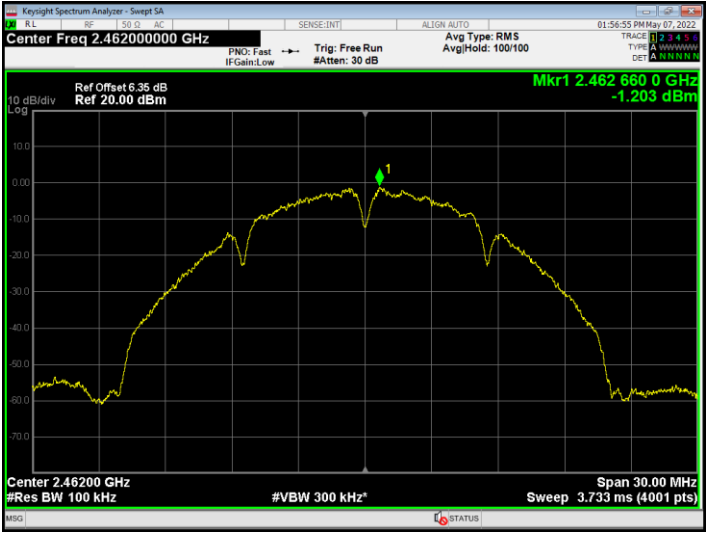
PSD NVNT b 2412MHz Ant1



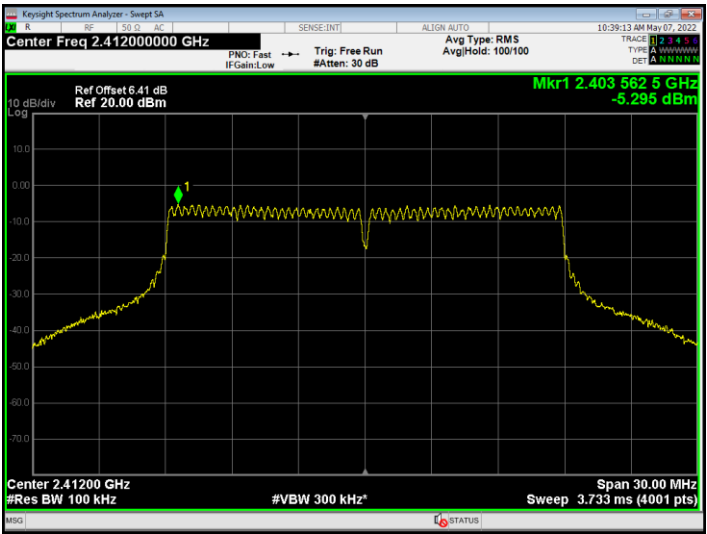
PSD NVNT b 2437MHz Ant1



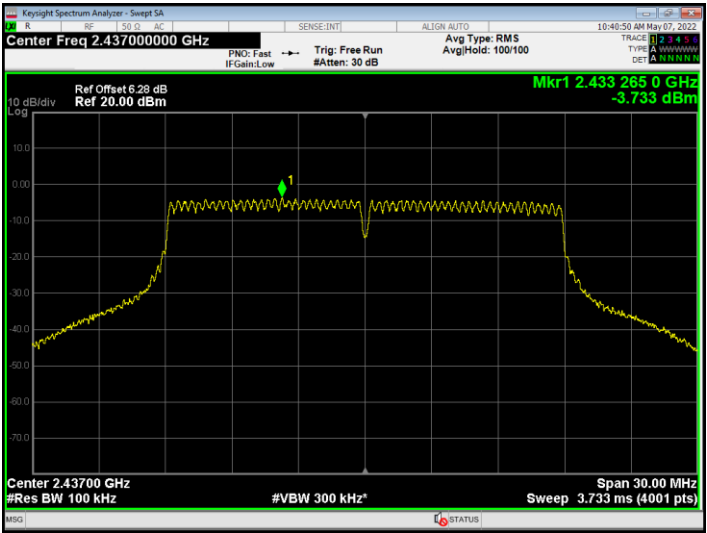
PSD NVNT b 2462MHz Ant1



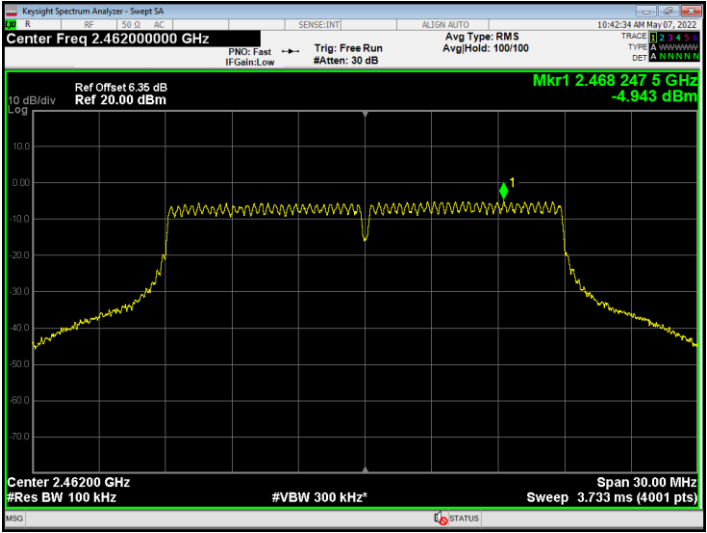
PSD NVNT g 2412MHz Ant1



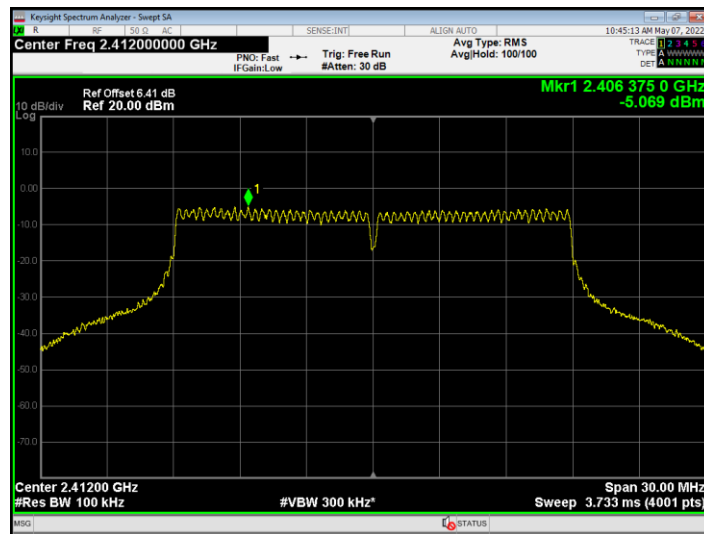
PSD NVNT g 2437MHz Ant1



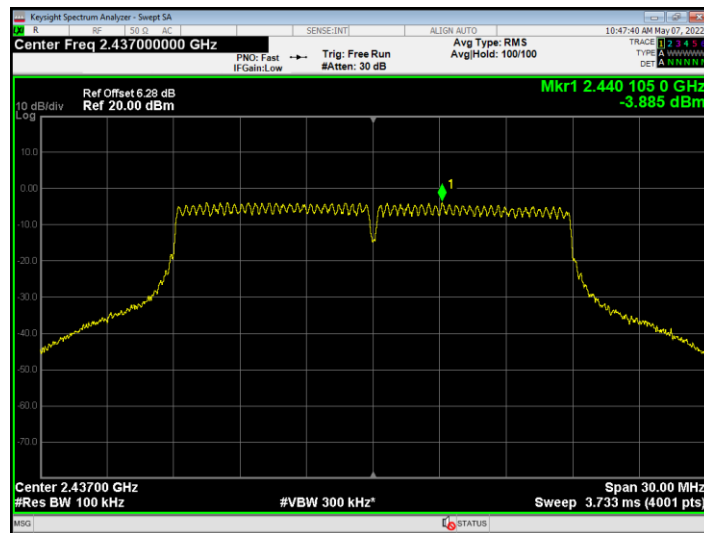
PSD NVNT g 2462MHz Ant1



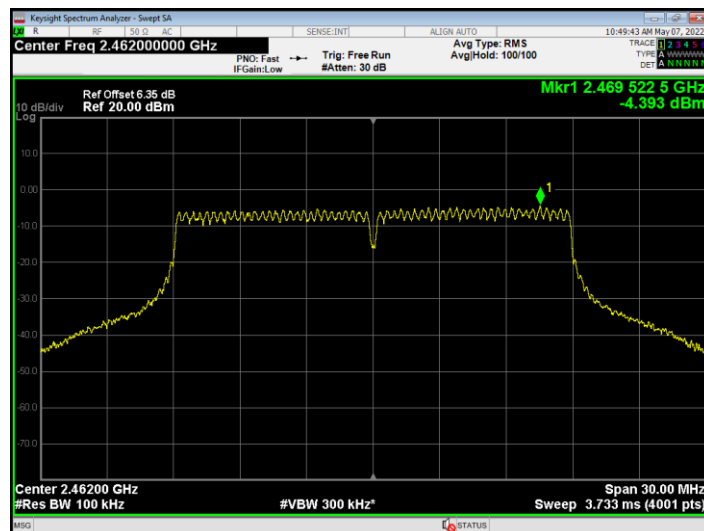
PSD NVNT n20 2412MHz Ant1



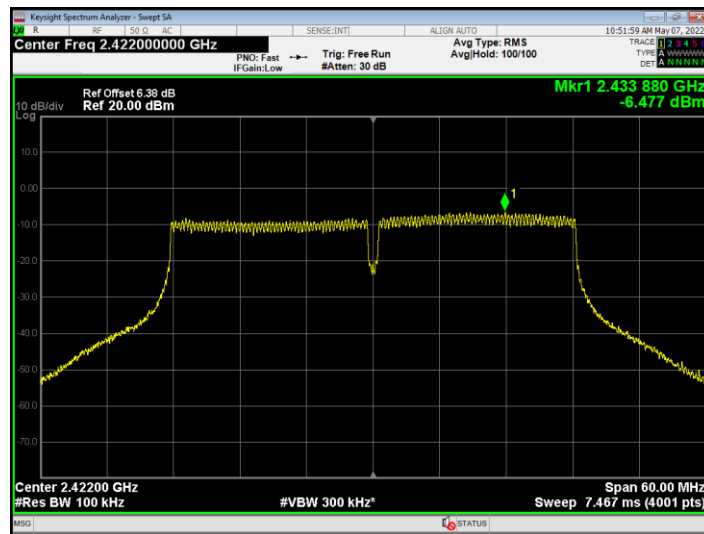
PSD NVNT n20 2437MHz Ant1



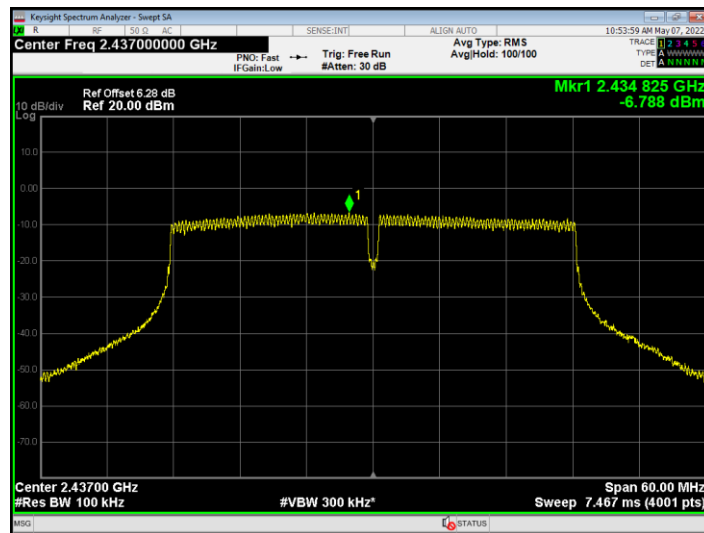
PSD NVNT n20 2462MHz Ant1



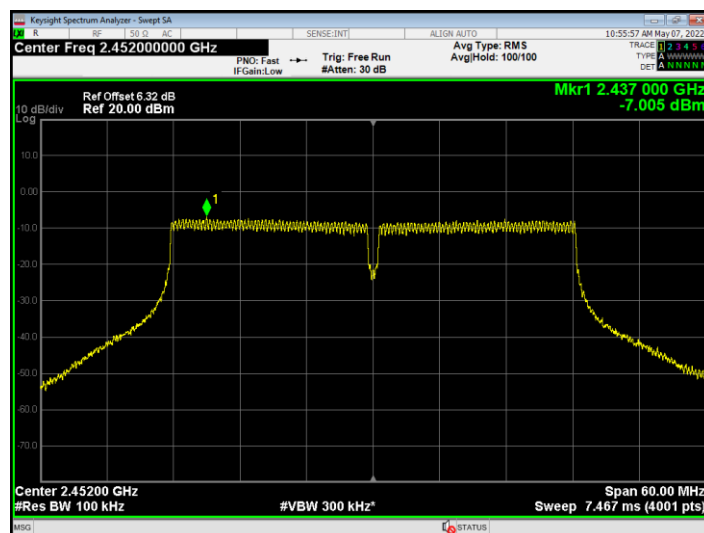
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1

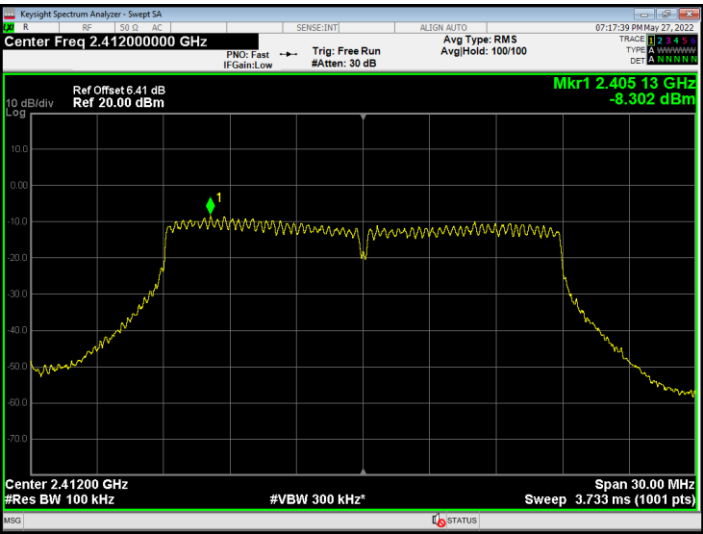


PSD NVNT n40 2452MHz Ant1

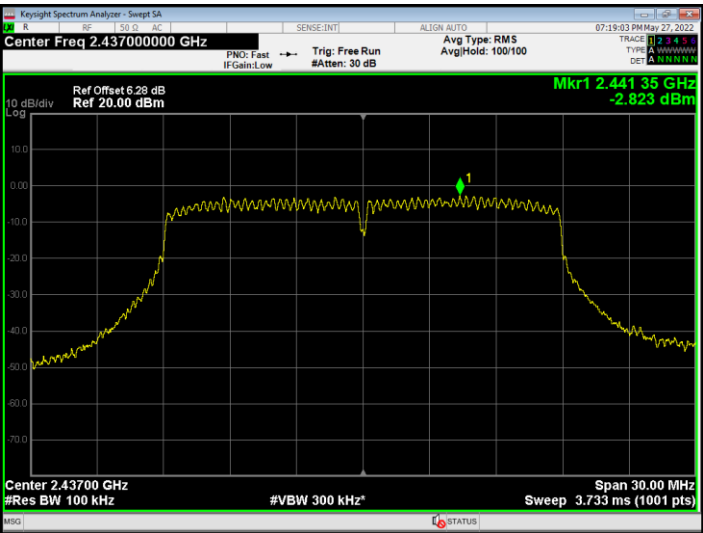


ANT2

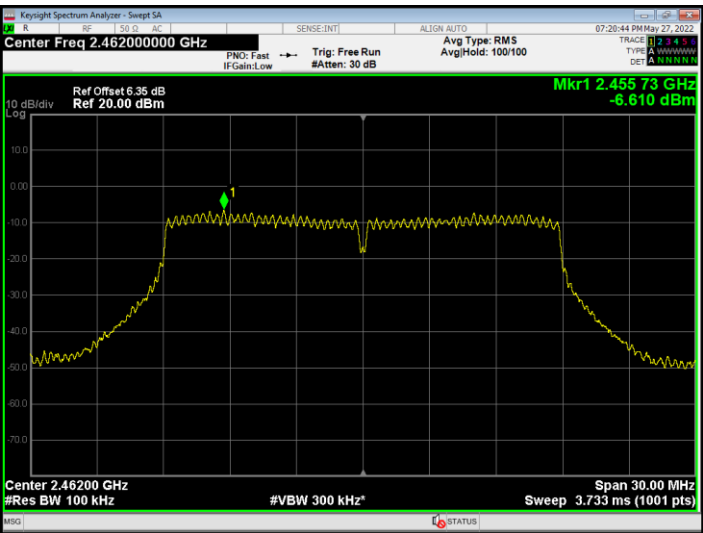
PSD NVNT ax20 2412MHz Ant2



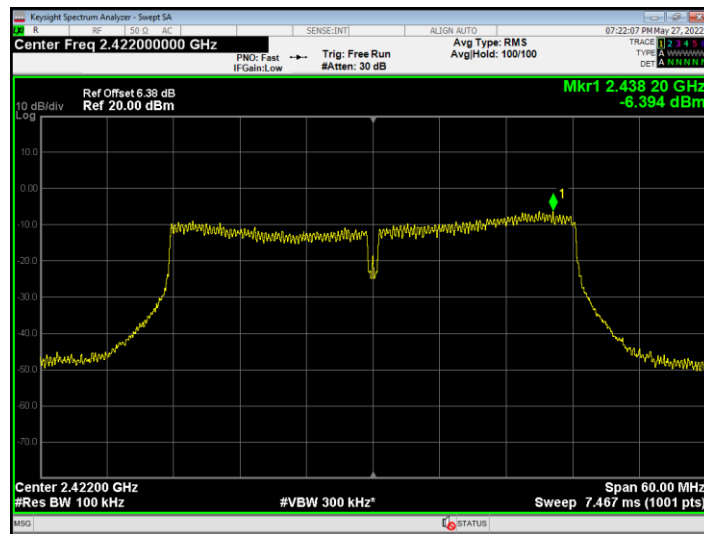
PSD NVNT ax20 2437MHz Ant2



PSD NVNT ax20 2462MHz Ant2



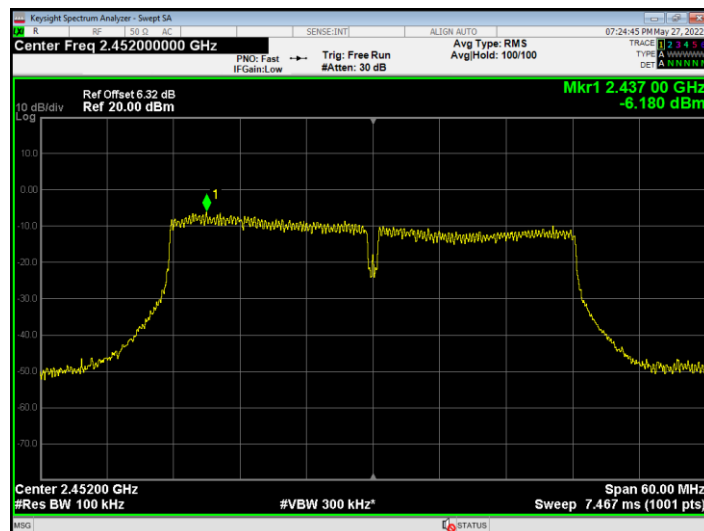
PSD NVNT ax40 2422MHz Ant2



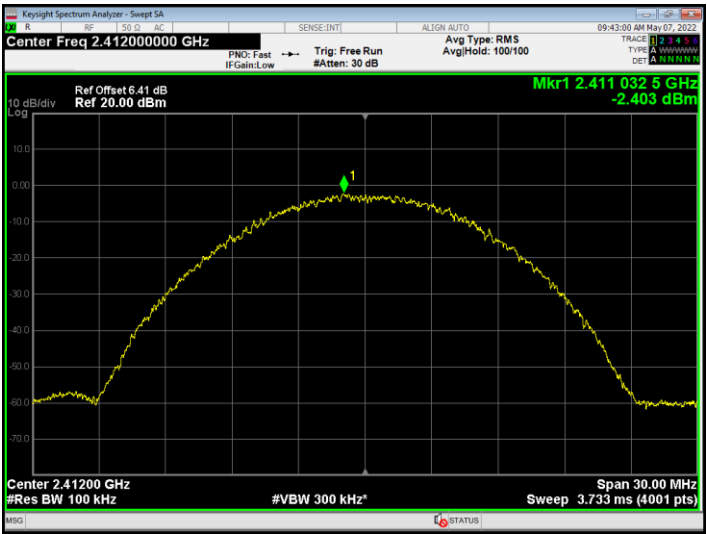
PSD NVNT ax40 2437MHz Ant2



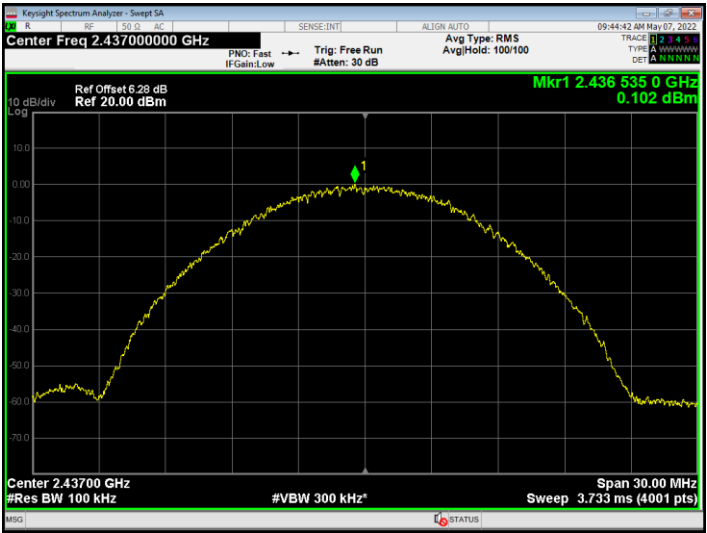
PSD NVNT ax40 2452MHz Ant2



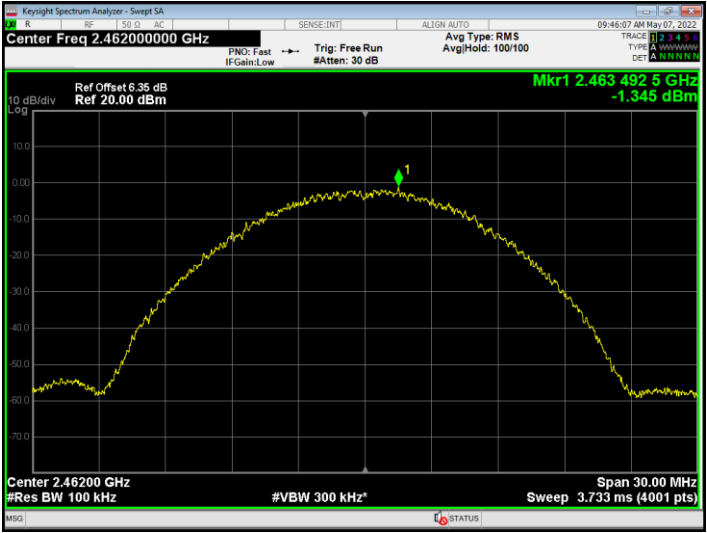
PSD NVHT b 2412MHz Ant2



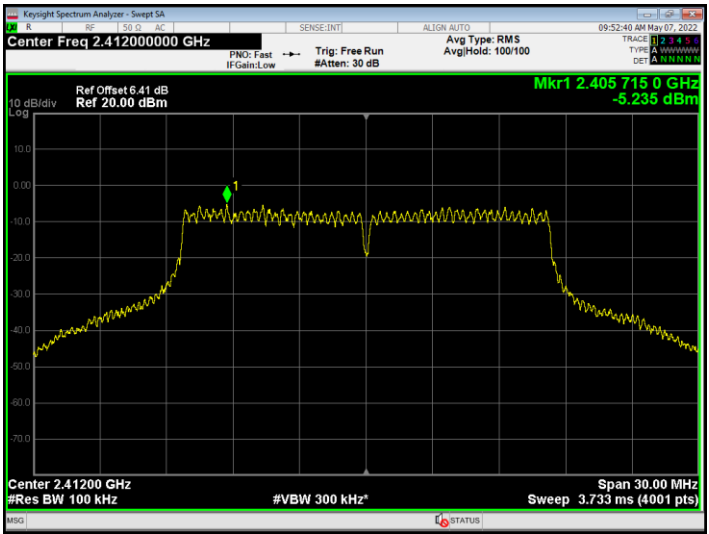
PSD NVHT b 2437MHz Ant2



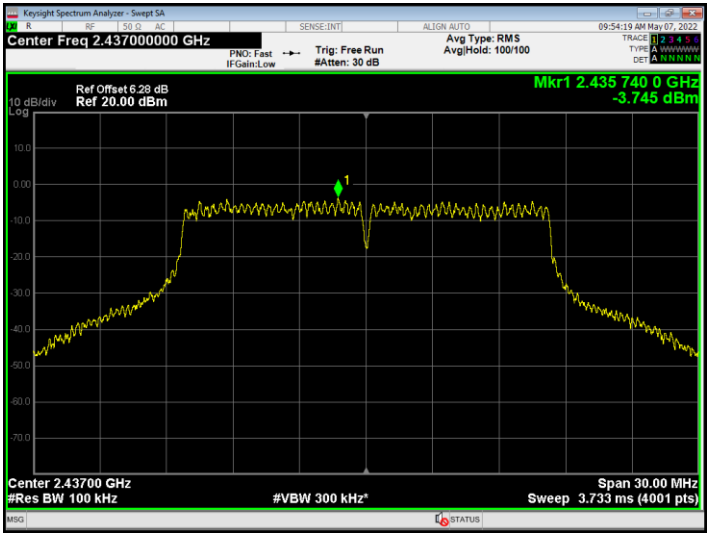
PSD NVHT b 2462MHz Ant2



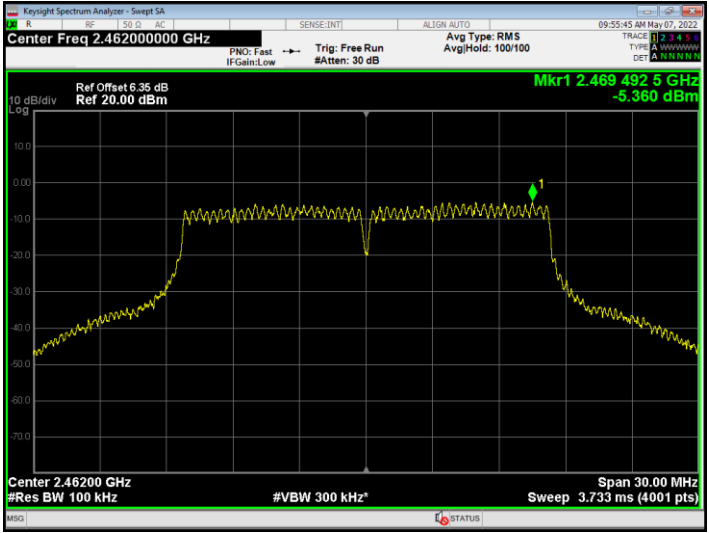
PSD NVHT g 2412MHz Ant2



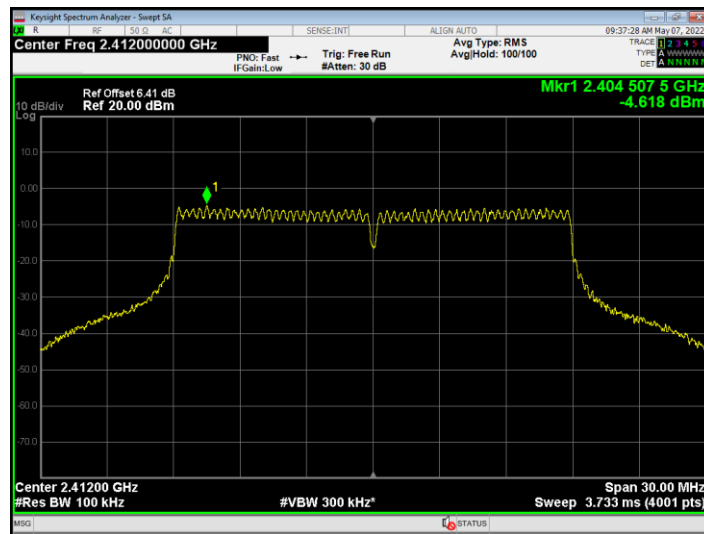
PSD NVHT g 2437MHz Ant2



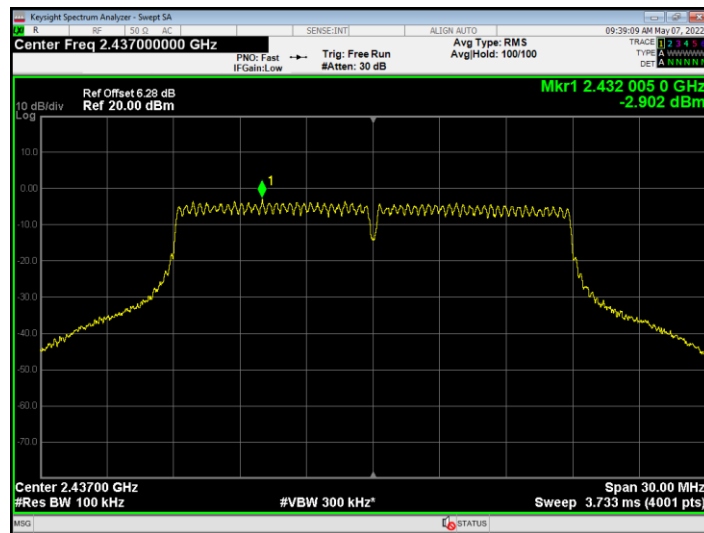
PSD NVHT g 2462MHz Ant2



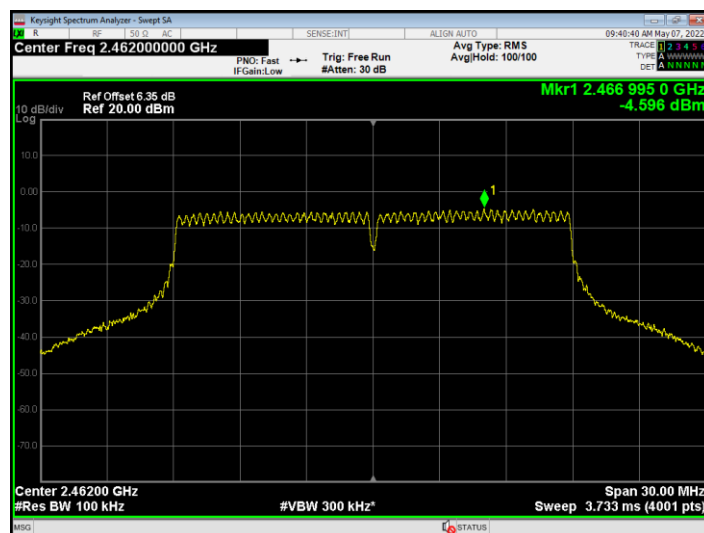
PSD NVHT n20 2412MHz Ant2



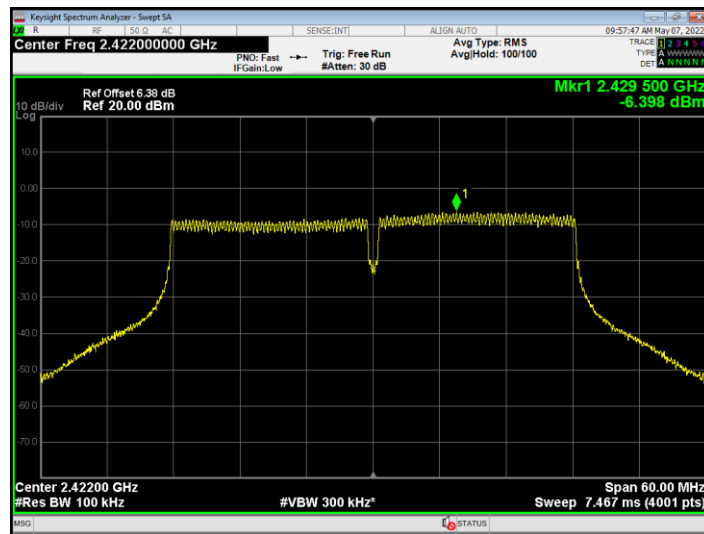
PSD NVHT n20 2437MHz Ant2



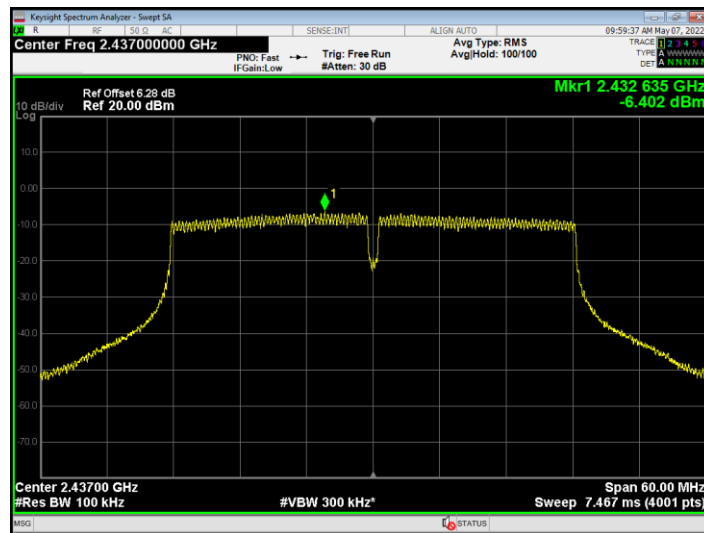
PSD NVHT n20 2462MHz Ant2



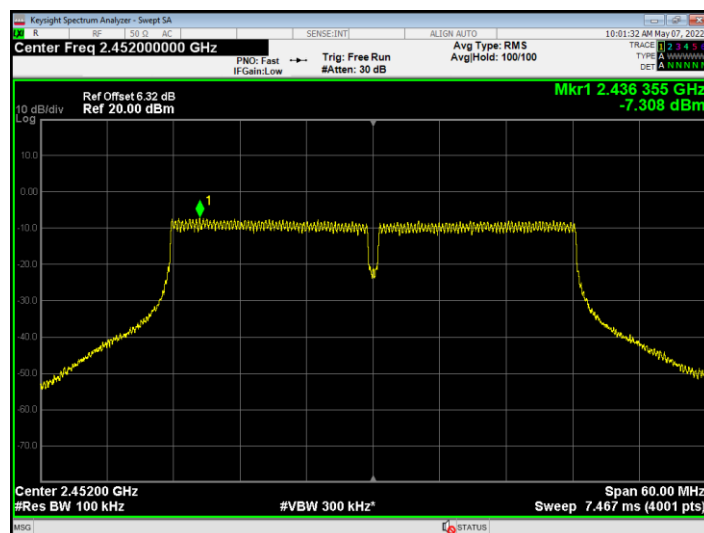
PSD NVHT n40 2422MHz Ant2



PSD NVHT n40 2437MHz Ant2



PSD NVHT n40 2452MHz Ant2

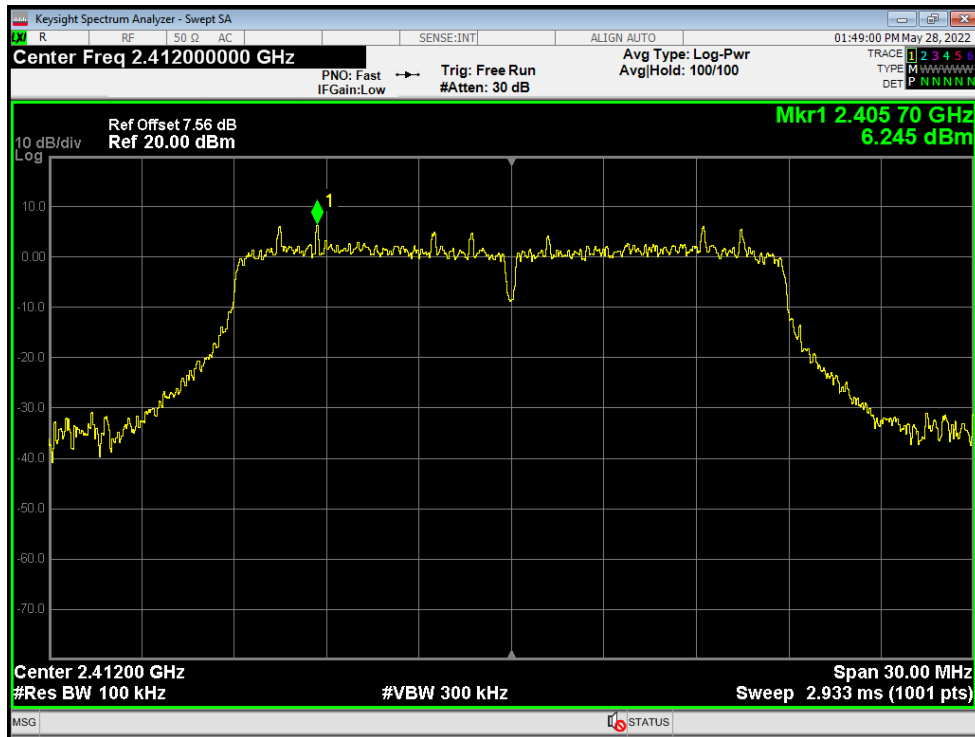


Band Edge

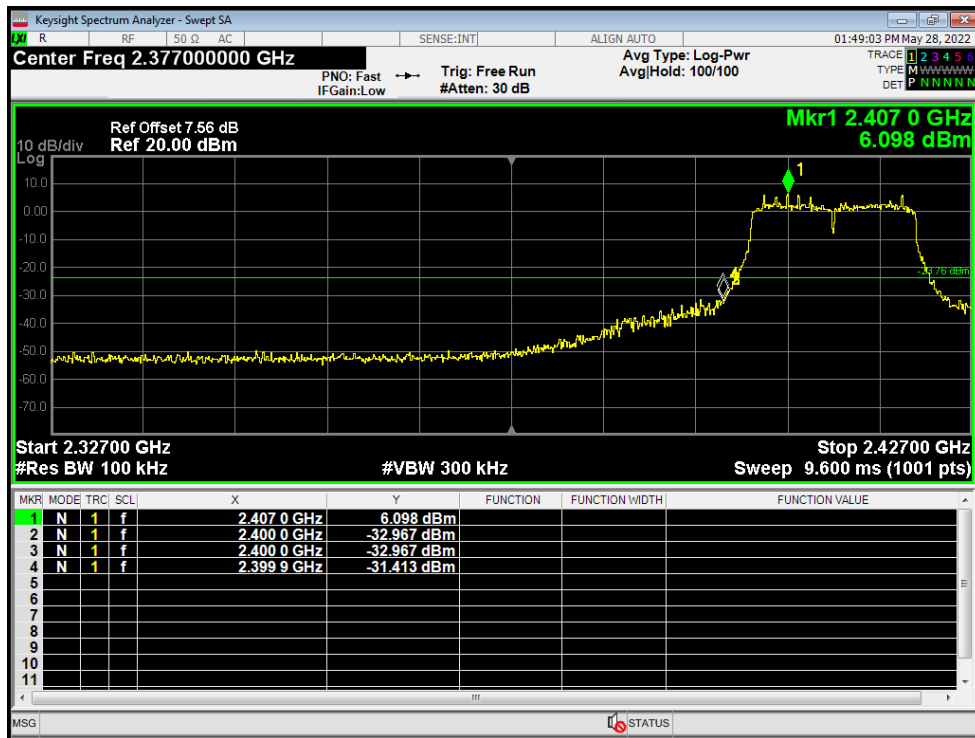
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax20	2412	Ant1	-37.66	-30	Pass
NVNT	ax20	2462	Ant1	-44.46	-30	Pass
NVNT	ax40	2422	Ant1	-32.59	-30	Pass
NVNT	ax40	2452	Ant1	-33.72	-30	Pass
NVNT	b	2412	Ant1	-47.88	-30	Pass
NVNT	b	2462	Ant1	-57.67	-30	Pass
NVNT	g	2412	Ant1	-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

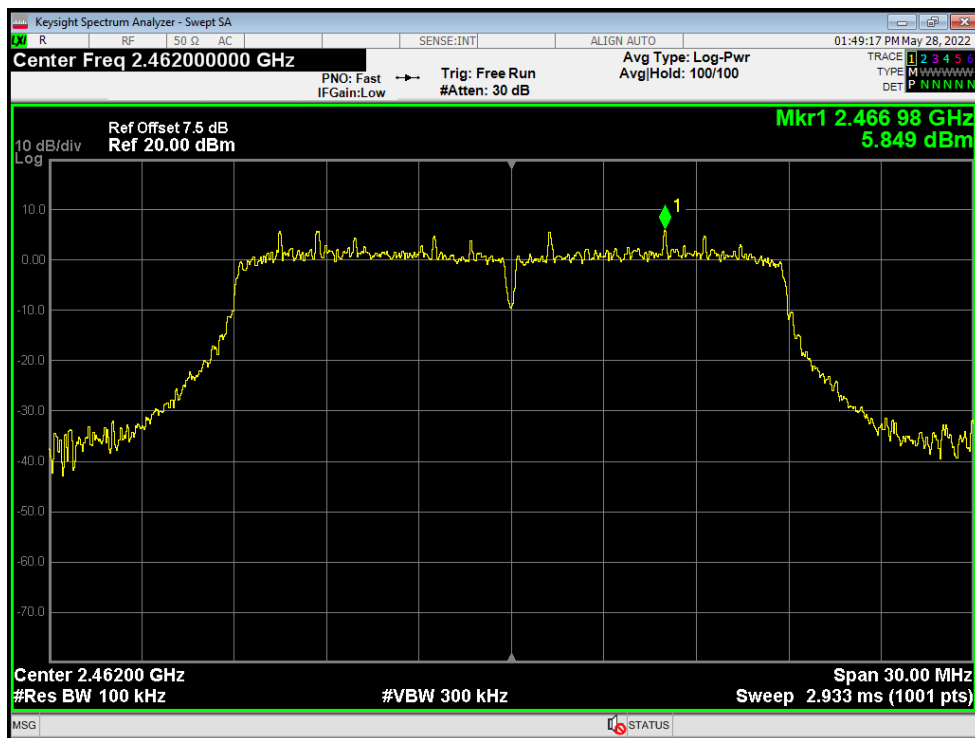
Band Edge NVNT ax20 2412MHz Ant1 Ref



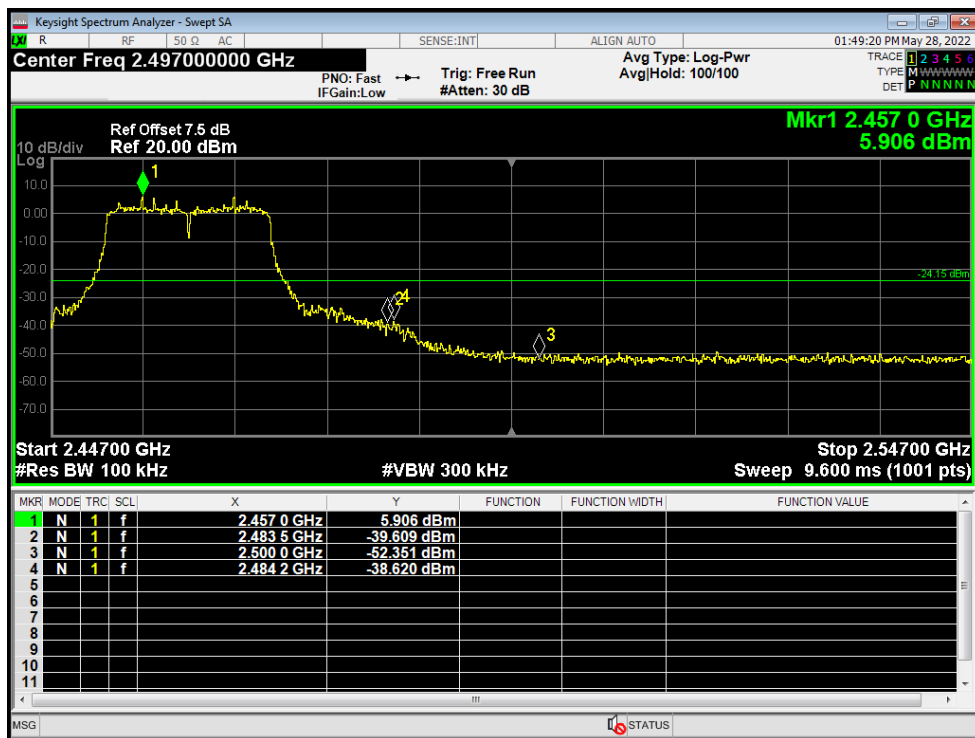
Band Edge NVNT ax20 2412MHz Ant1 Emission



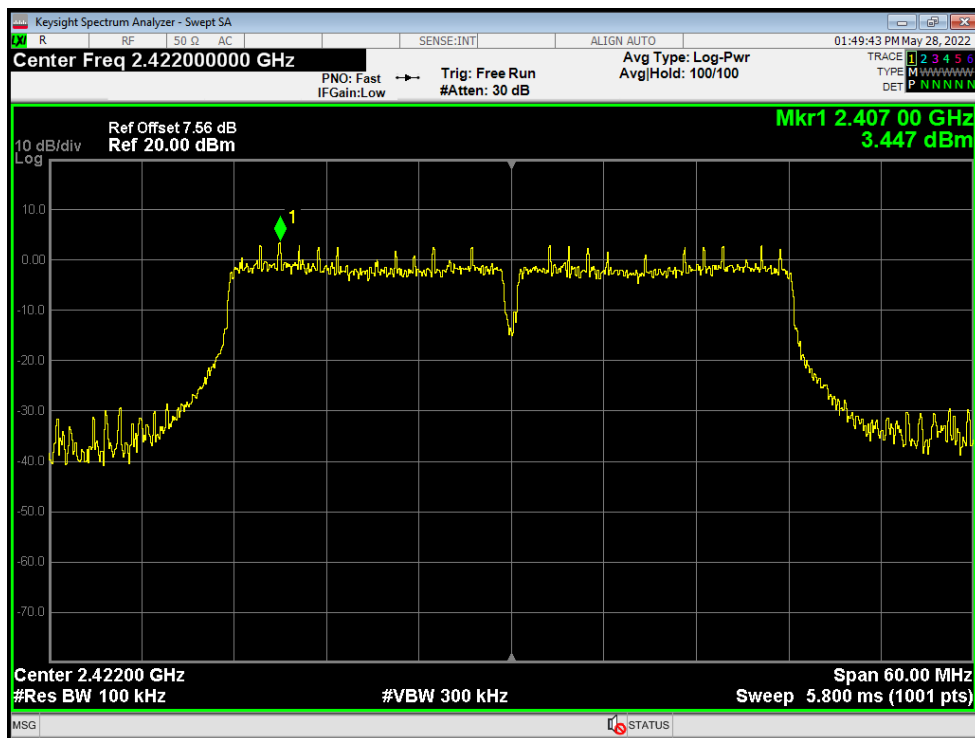
Band Edge NVNT ax20 2462MHz Ant1 Ref



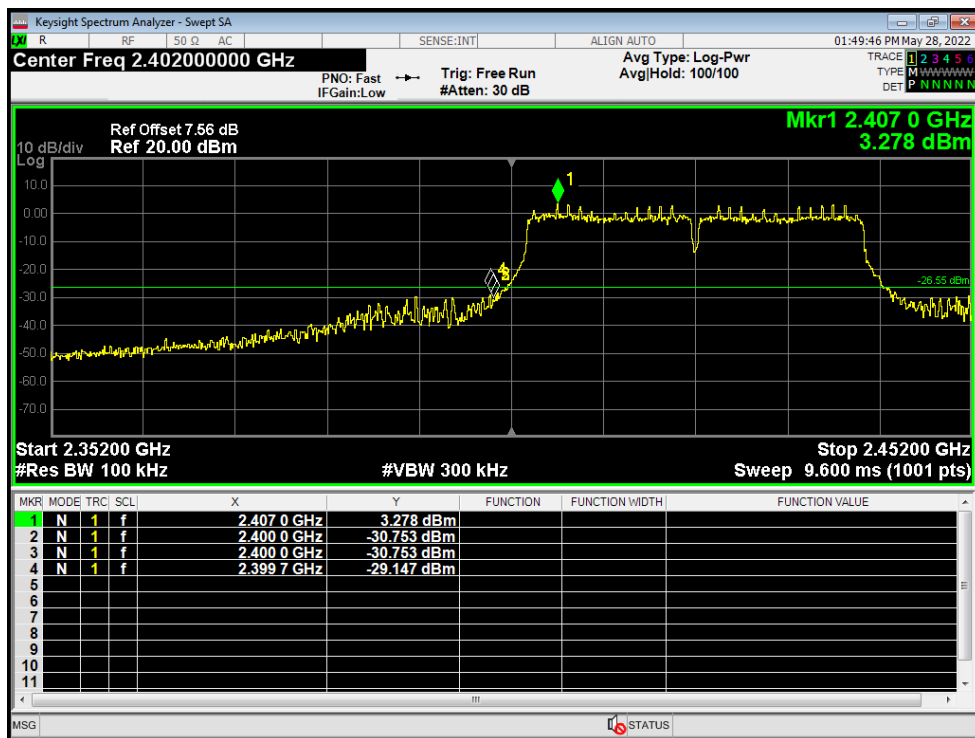
Band Edge NVNT ax20 2462MHz Ant1 Emission



Band Edge NVNT ax40 2422MHz Ant1 Ref



Band Edge NVNT ax40 2422MHz Ant1 Emission



Keysight Spectrum Analyzer - Swept SA

01:50:17 PM May 28, 2022

Center Freq 2.45200000 GHz

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

Ref Offset 7.51 dB
Ref 20.00 dBm

Mkr1 2.466 94 GHz
2.903 dBm

10 dB/div
Log

Center 2.45200 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60.00 MHz
Sweep 5.800 ms (1001 pts)

The figure is a Keysight Spectrum Analyzer display. The main plot area shows a frequency spectrum with a yellow trace. The x-axis represents frequency, with a center frequency of 2.45200 GHz and a span of 60.00 MHz. The y-axis represents power in dBm, ranging from -70.0 to 10.0 dBm. A significant signal is visible at 2.46694 GHz, marked with a green diamond and labeled 'Mkr1 2.466 94 GHz' and '2.903 dBm'. The signal has a bandwidth of 100 kHz and a video bandwidth of 300 kHz. The plot is set to a logarithmic scale (Log) with a resolution of 10 dB/div. The background is black with a white grid. The top of the screen shows the instrument name 'Keysight Spectrum Analyzer - Swept SA' and the date/time '01:50:17 PM May 28, 2022'. The bottom of the screen shows the center frequency 'Center 2.45200 GHz', resolution bandwidth '#Res BW 100 kHz', video bandwidth '#VBW 300 kHz', span 'Span 60.00 MHz', and sweep time 'Sweep 5.800 ms (1001 pts)'. The right side of the screen shows various settings: 'PNO: Fast', 'IFGain: Low', 'Trig: Free Run', 'Avg Type: Log-Pwr', 'Avg|Hold: 100/100', and 'DET P'. The left side of the screen shows 'Ref Offset 7.51 dB' and 'Ref 20.00 dBm'. The top right corner shows the date and time '01:50:17 PM May 28, 2022'.

Keysight Spectrum Analyzer - Swept SA

Center Freq 2.47200000 GHz

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

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

01:50:19 PM May 28, 2022

Ref Offset 7.51 dB Ref 20.00 dBm

Mkr1 2.467 0 GHz 2.700 dBm

10 dB/div Log

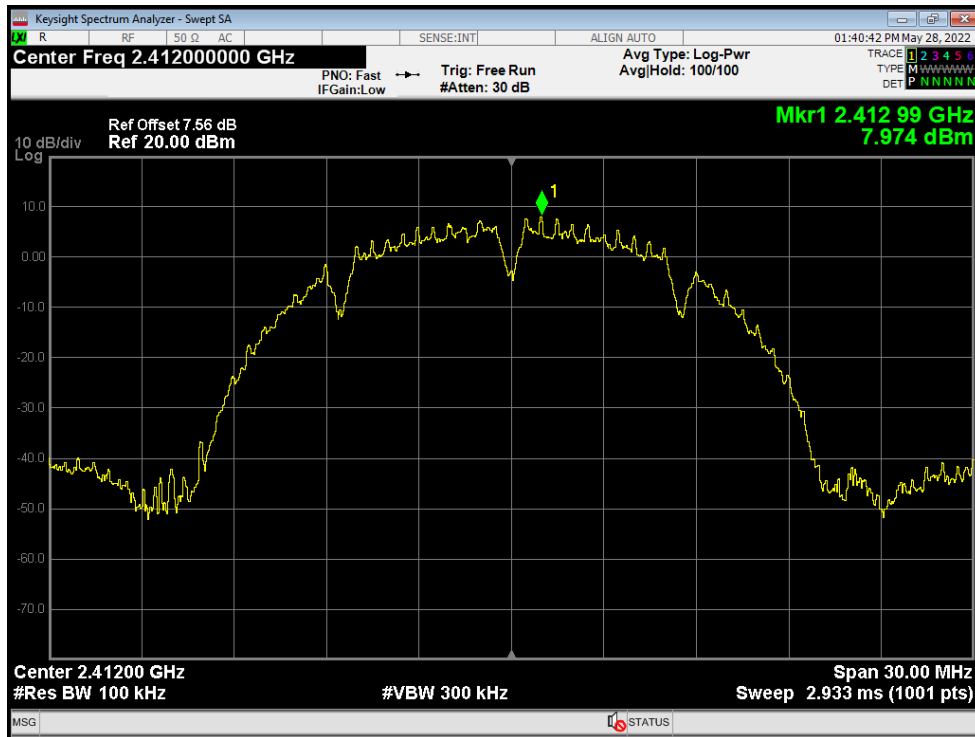
Start 2.42200 GHz Stop 2.52200 GHz

#Res BW 100 kHz #VBW 300 kHz Sweep 9.600 ms (1001 pts)

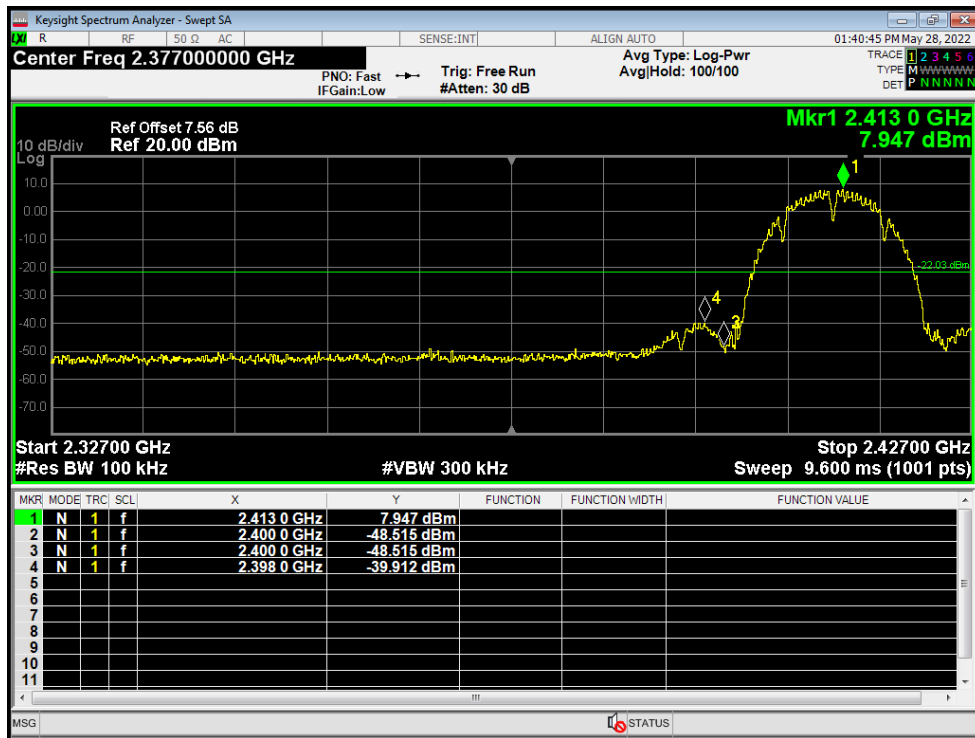
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.467 0 GHz	2.700 dBm			
2	N	1	f	2.483 5 GHz	-33.473 dBm			
3	N	1	f	2.500 0 GHz	-46.650 dBm			
4	N	1	f	2.484 8 GHz	-30.821 dBm			

MSG STATUS

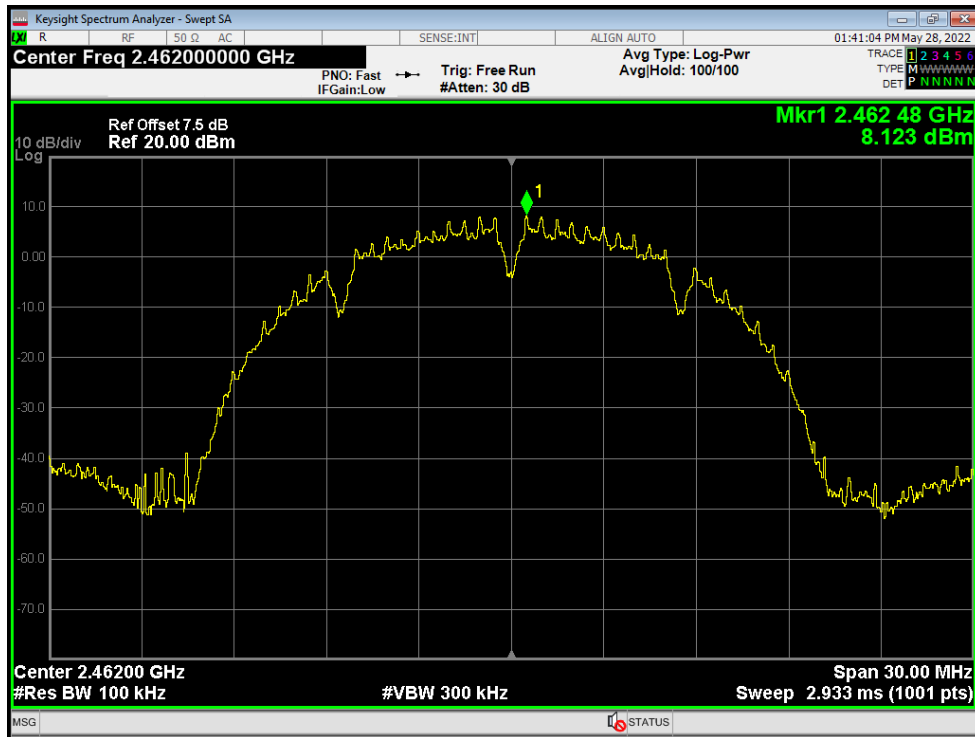
Band Edge NVNT b 2412MHz Ant1 Ref



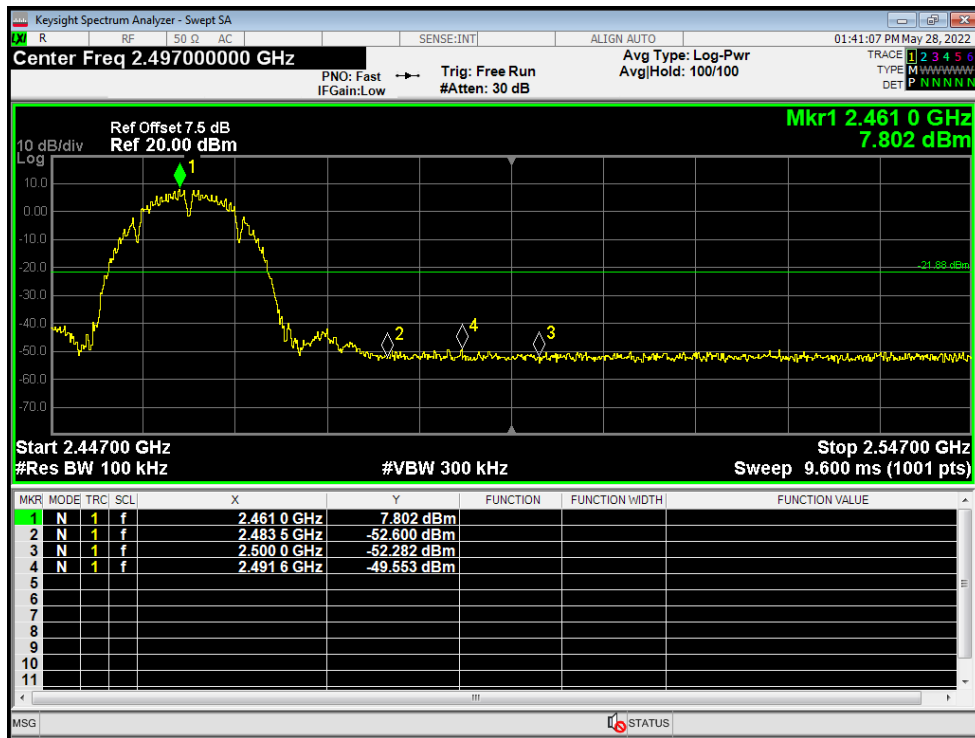
Band Edge NVNT b 2412MHz Ant1 Emission



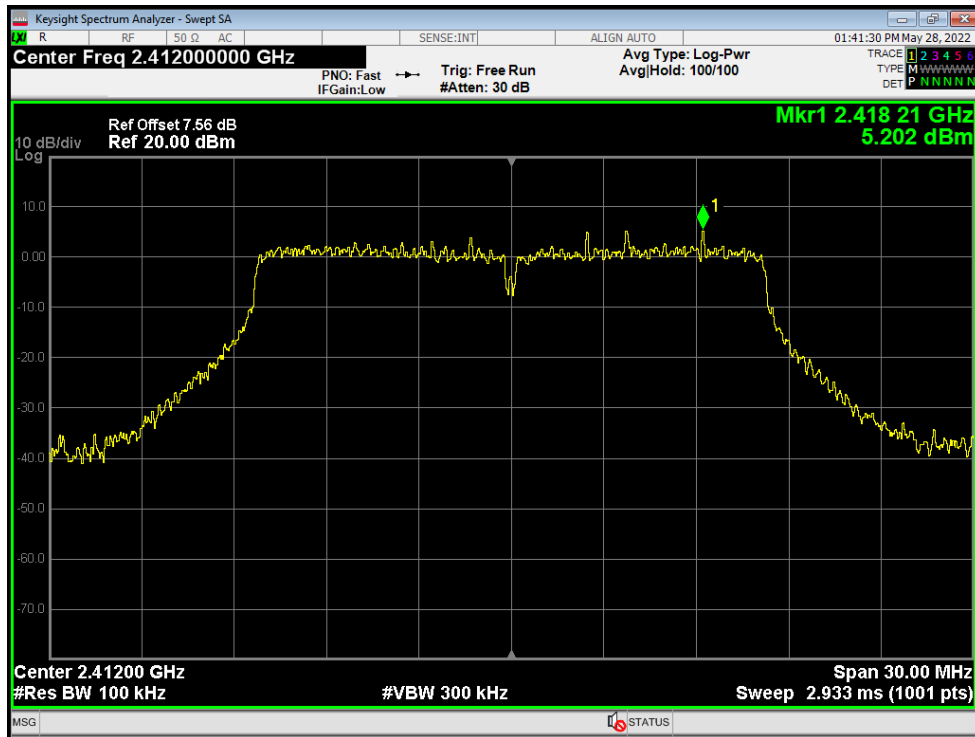
Band Edge NVNT b 2462MHz Ant1 Ref



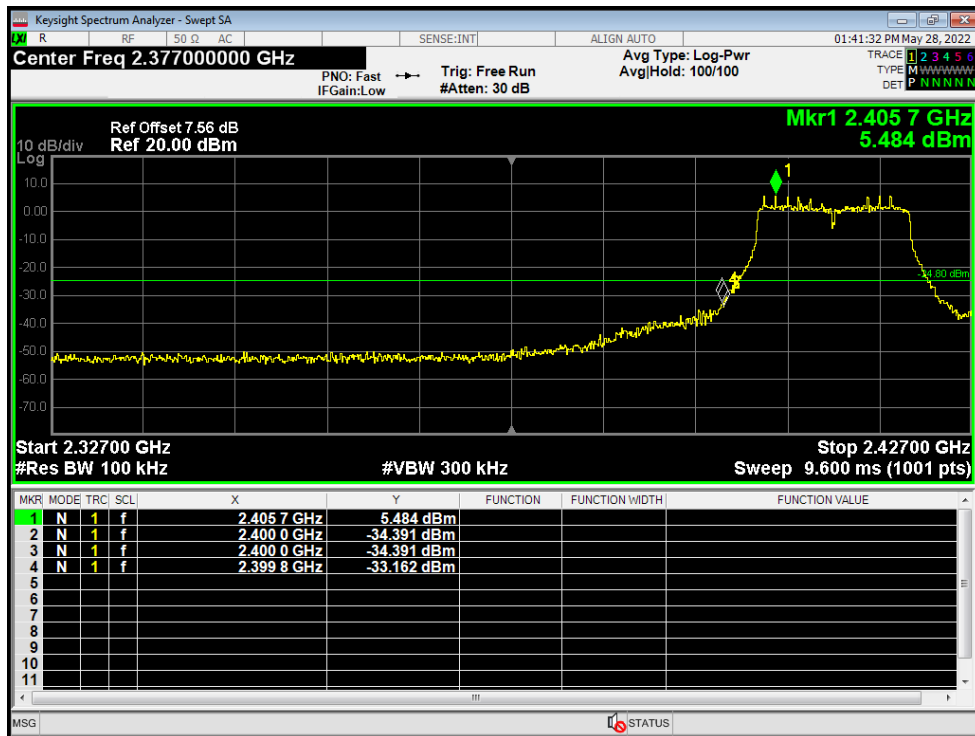
Band Edge NVNT b 2462MHz Ant1 Emission



Band Edge NVNT g 2412MHz Ant1 Ref



Band Edge NVNT g 2412MHz Ant1 Emission



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

DET P

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. The horizontal axis represents frequency, with a center frequency of 2.412 GHz and a span of 30.00 MHz. The vertical axis represents power, with a reference level of 20.00 dBm and a resolution bandwidth of 100 kHz. 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 trace is noisy, and the background is dark. The interface includes various control buttons and status indicators at the top and bottom.

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

Keysight Spectrum Analyzer - Swept SA

Center Freq 2.377000000 GHz

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

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

01:43:35 PM May 28, 2022

Ref Offset 7.56 dB
Ref 20.00 dBm

Mkr1 2.4057 GHz
6.374 dBm

10 dB/div
Log

Start 2.32700 GHz
#Res BW 100 kHz

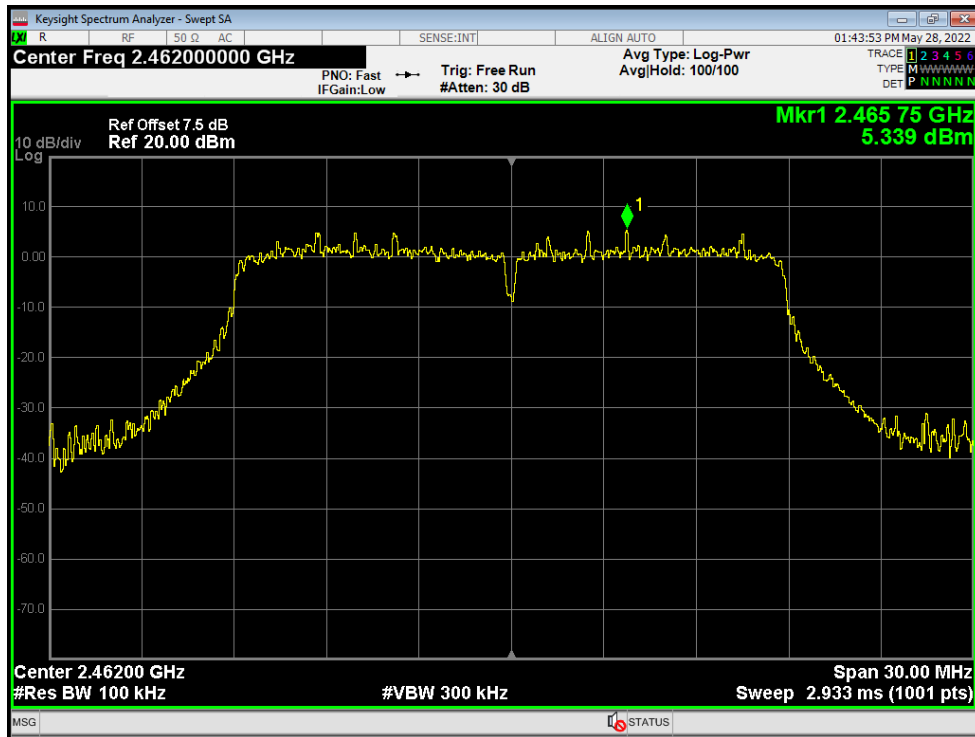
Stop 2.42700 GHz
#VBW 300 kHz
Sweep 9.600 ms (1001 pts)

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			
5								
6								
7								
8								
9								
10								
11								

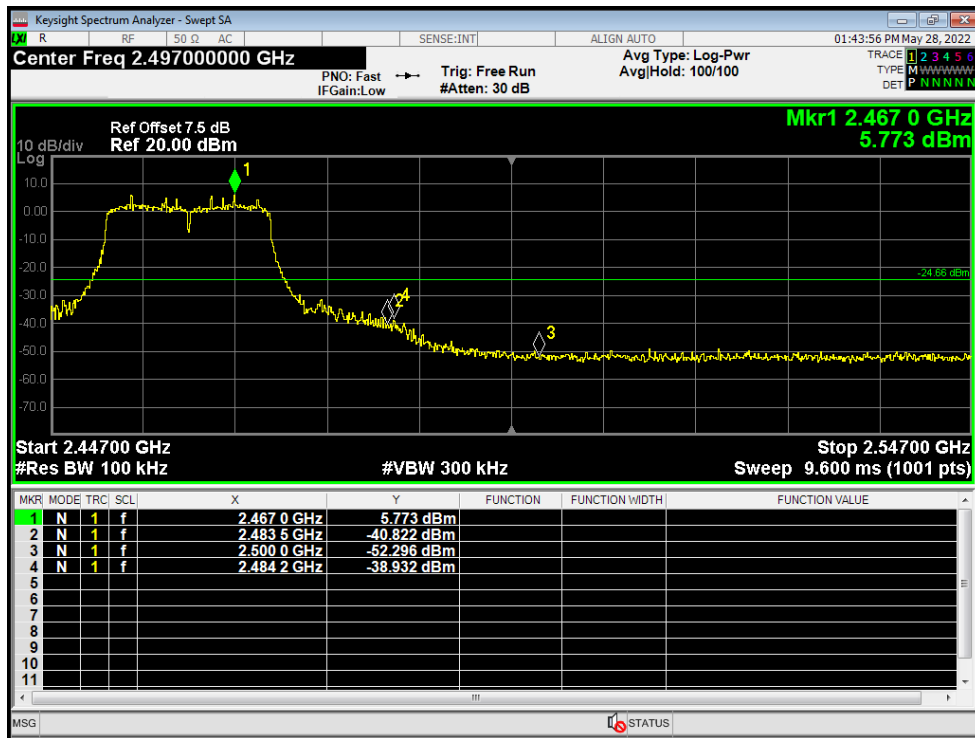
MSG

STATUS

Band Edge NVNT n20 2462MHz Ant1 Ref



Band Edge NVNT n20 2462MHz Ant1 Emission



Keysight Spectrum Analyzer - Swept SA

01:44:19 PM May 28, 2022

Center Freq 2.42200000 GHz

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

Ref Offset 7.56 dB Ref 20.00 dBm

Mkr1 2.40574 GHz 3.305 dBm

10 dB/div Log

Center 2.4220 GHz #Res BW 100 kHz #VBW 300 kHz Span 60.00 MHz Sweep 5.800 ms (1001 pts)

MSG STATUS

Keysight Spectrum Analyzer - Swept SA

Center Freq 2.40200000 GHz

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

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

01:44:22 PM May 28, 2022

Ref Offset 7.56 dB Ref 20.00 dBm

Mkr1 2.407 0 GHz 3.251 dBm

10 dB/div Log

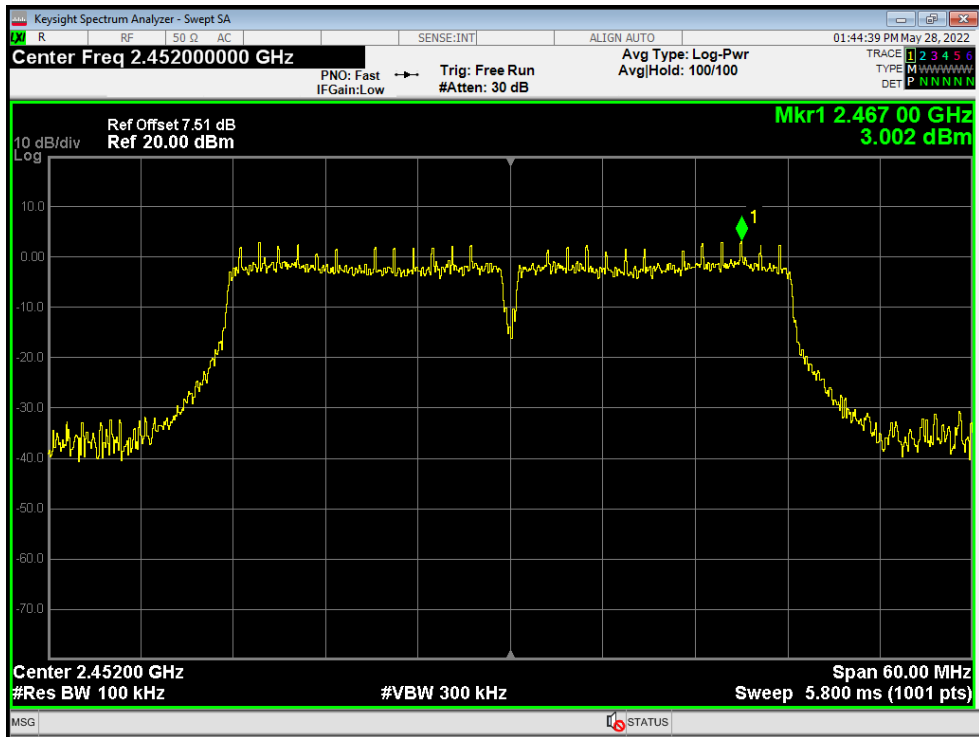
Start 2.35200 GHz #Res BW 100 kHz

Stop 2.45200 GHz #VBW 300 kHz

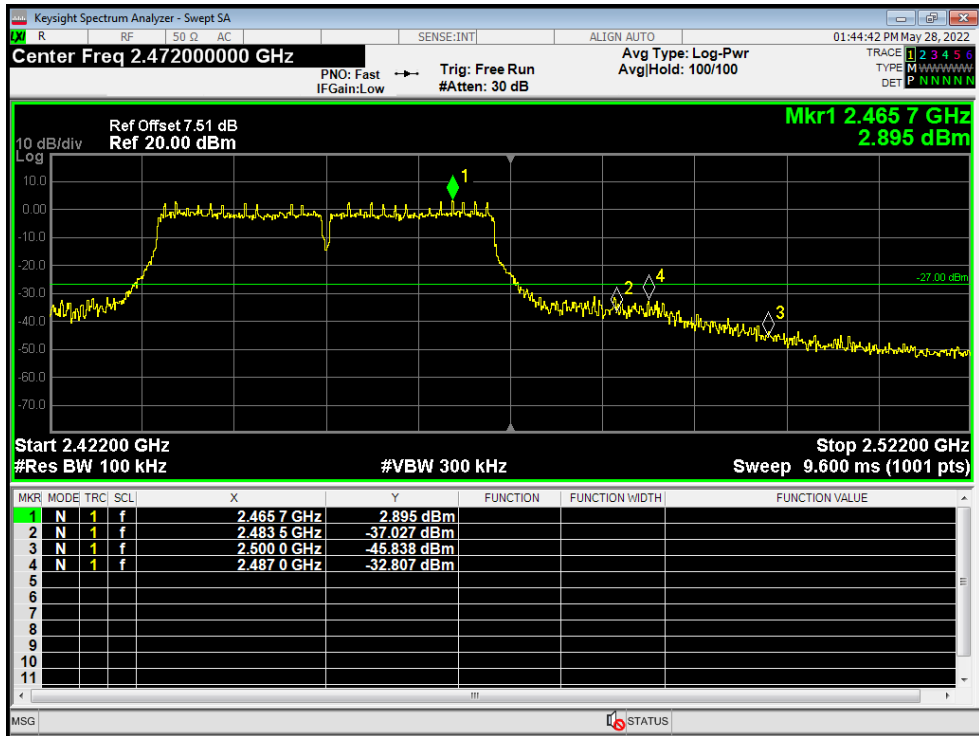
Sweep 9.600 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.407 0 GHz	3.251 dBm			
2	N	1	f	2.400 0 GHz	-30.525 dBm			
3	N	1	f	2.400 0 GHz	-30.525 dBm			
4	N	1	f	2.400 0 GHz	-30.525 dBm			

Band Edge NVNT n40 2452MHz Ant1 Ref

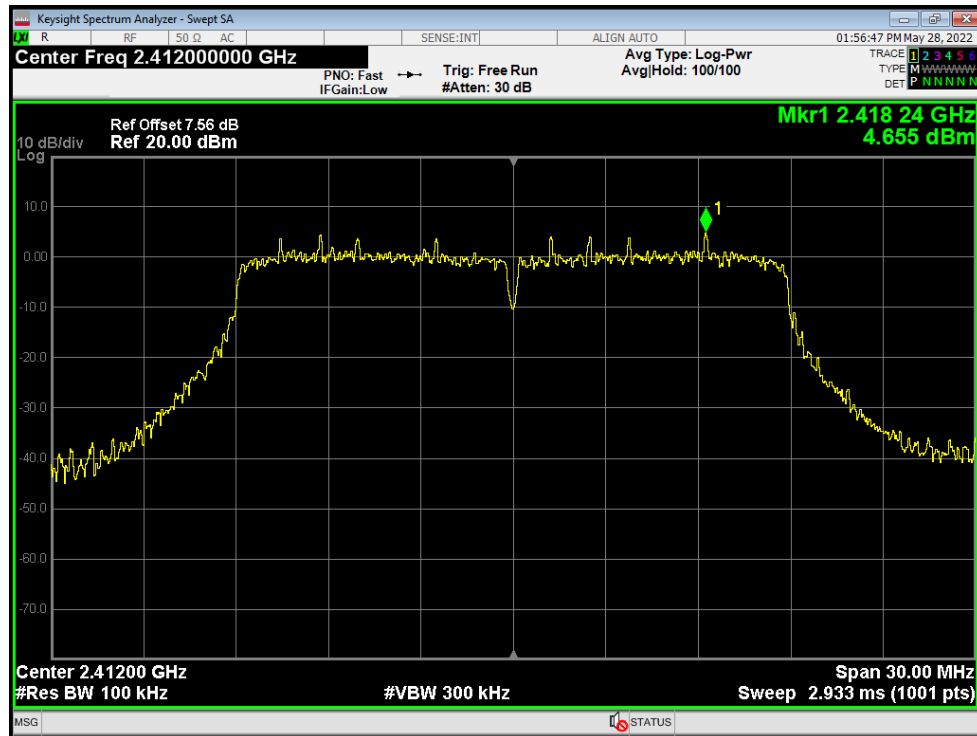


Band Edge NVNT n40 2452MHz Ant1 Emission

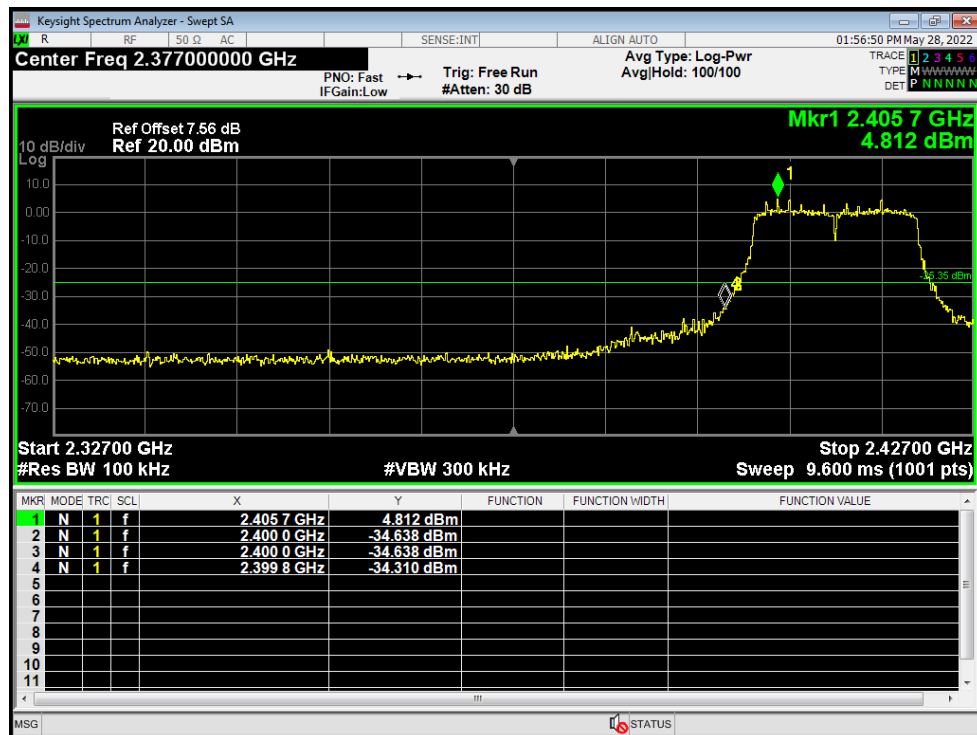


ANT2

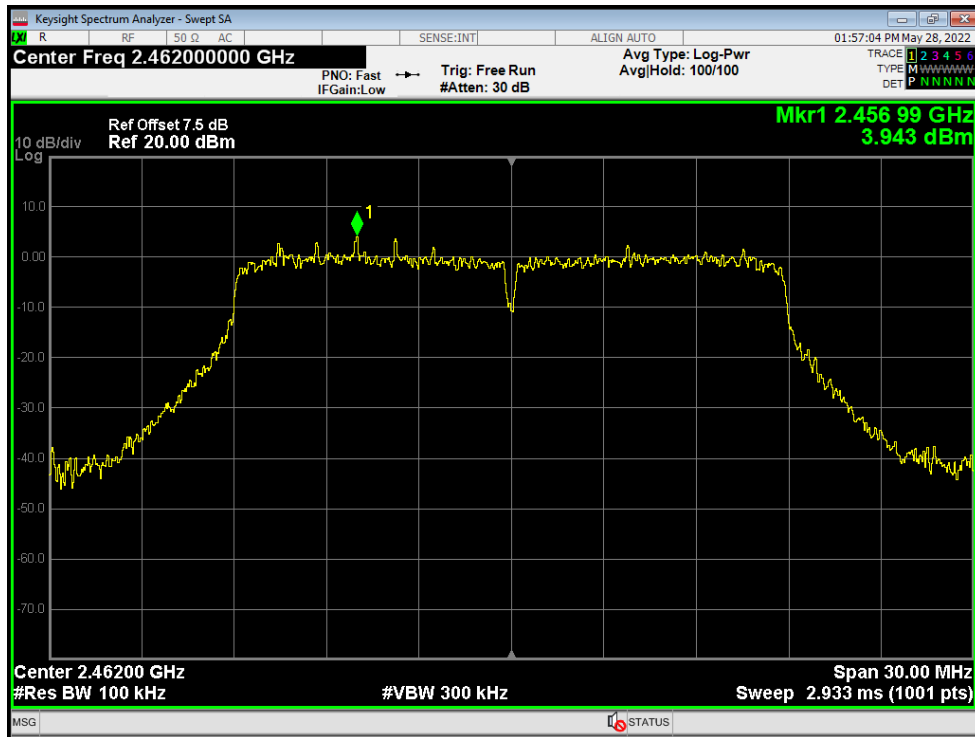
Band Edge NVHT ax20 2412MHz Ant2 Ref



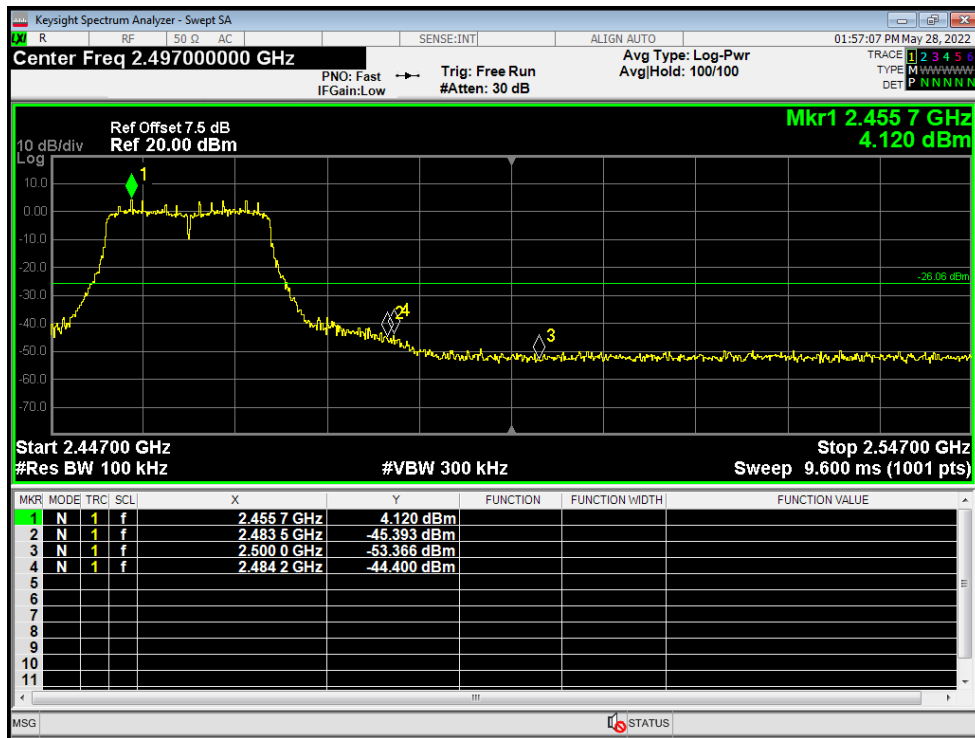
Band Edge NVHT ax20 2412MHz Ant2 Emission



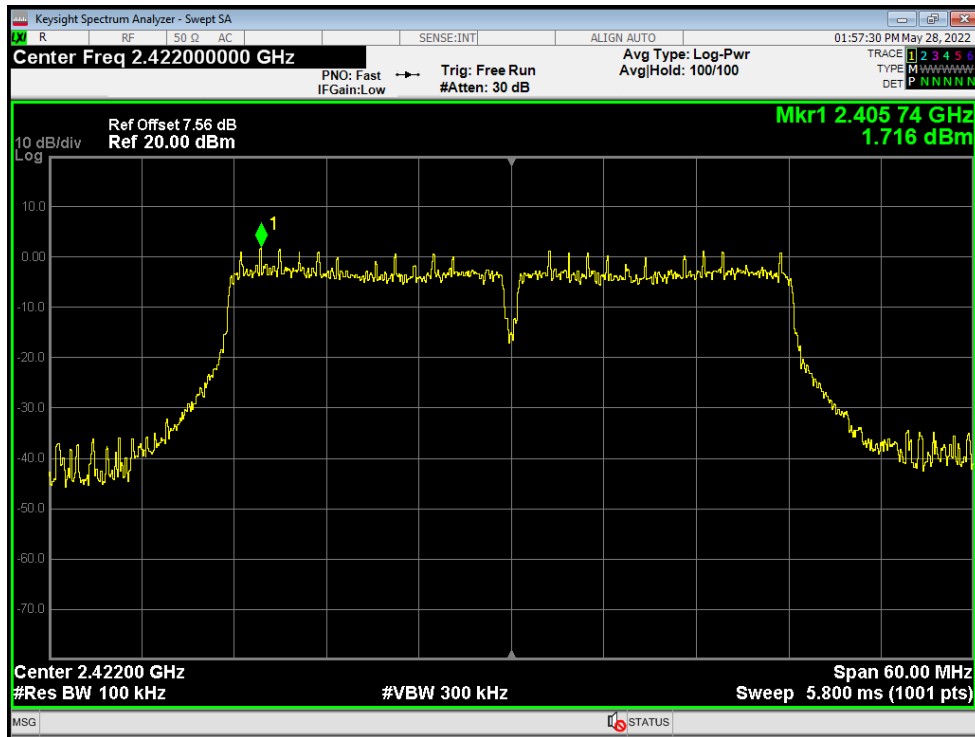
Band Edge NVHT ax20 2462MHz Ant2 Ref



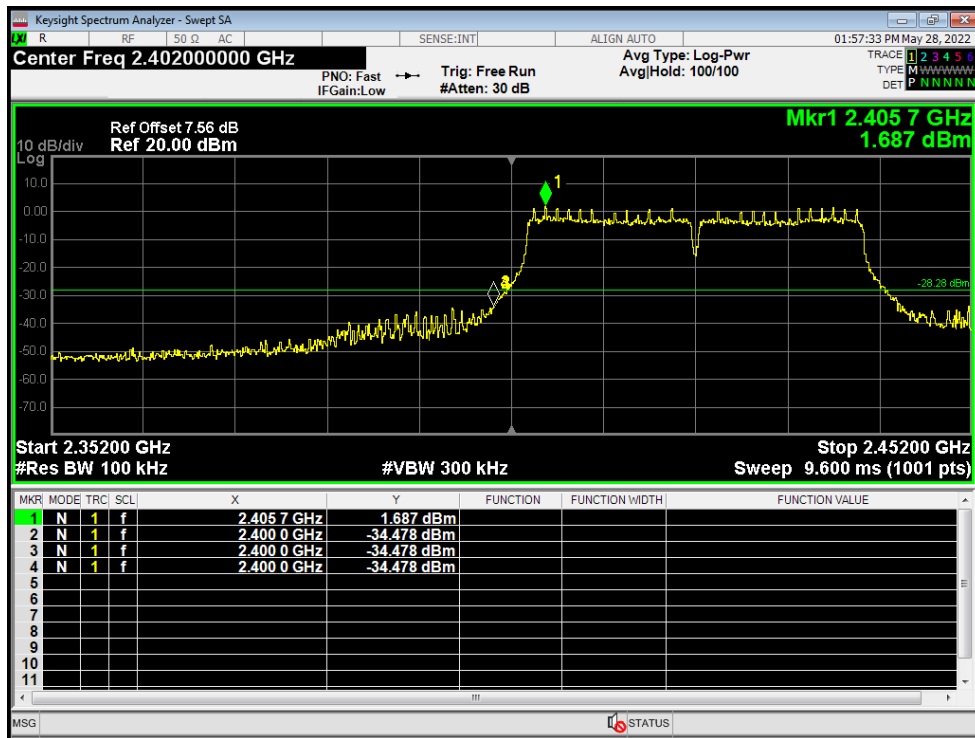
Band Edge NVHT ax20 2462MHz Ant2 Emission



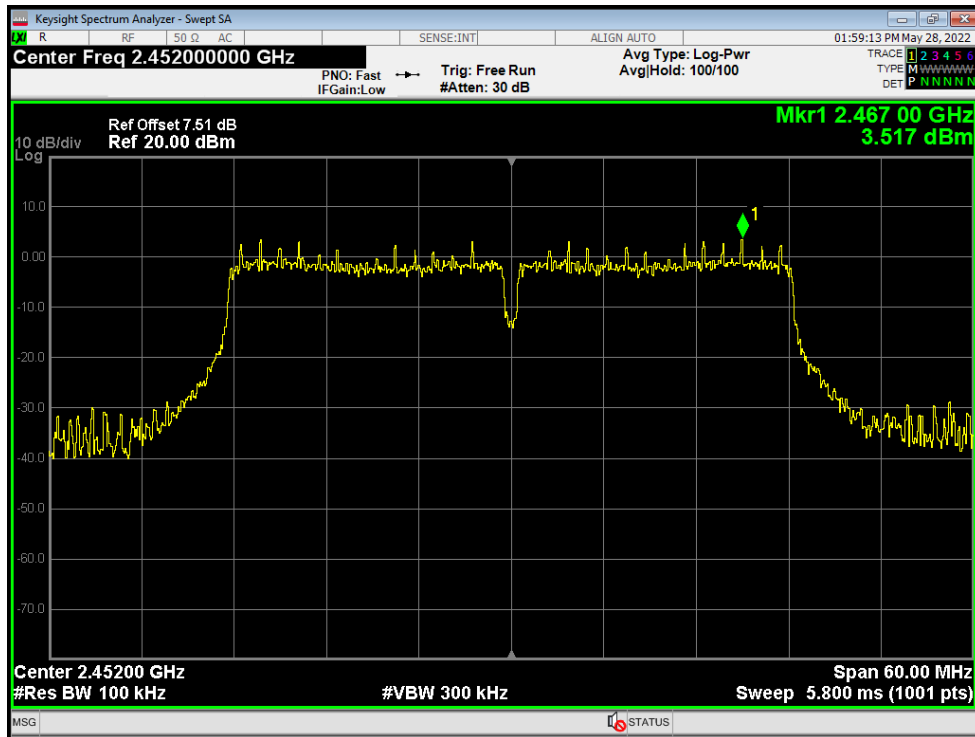
Band Edge NVHT ax40 2422MHz Ant2 Ref



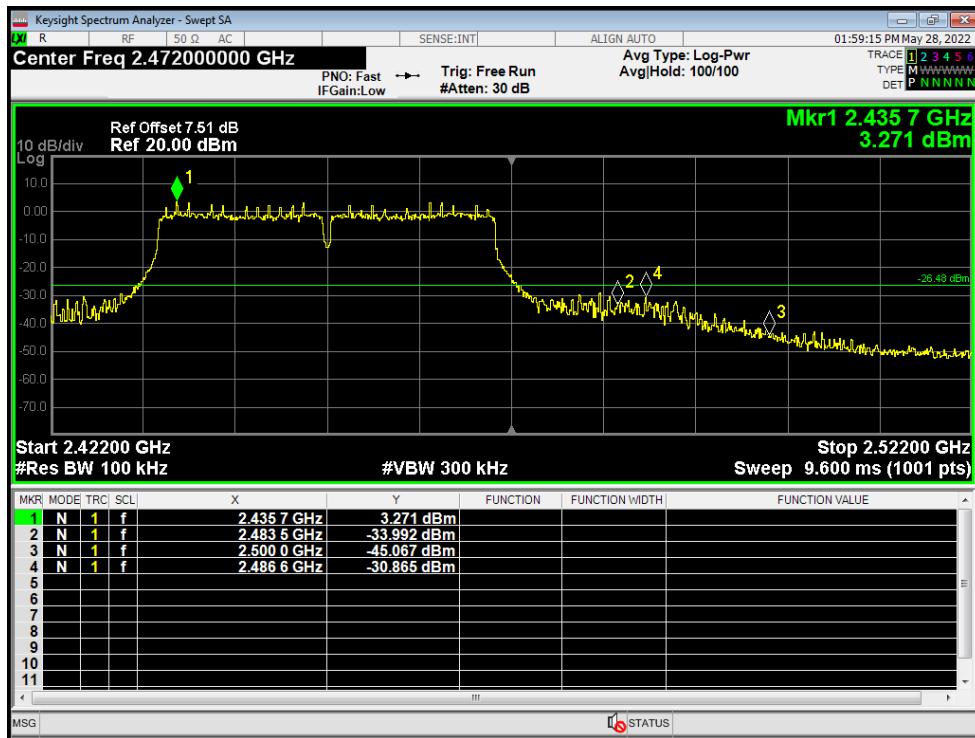
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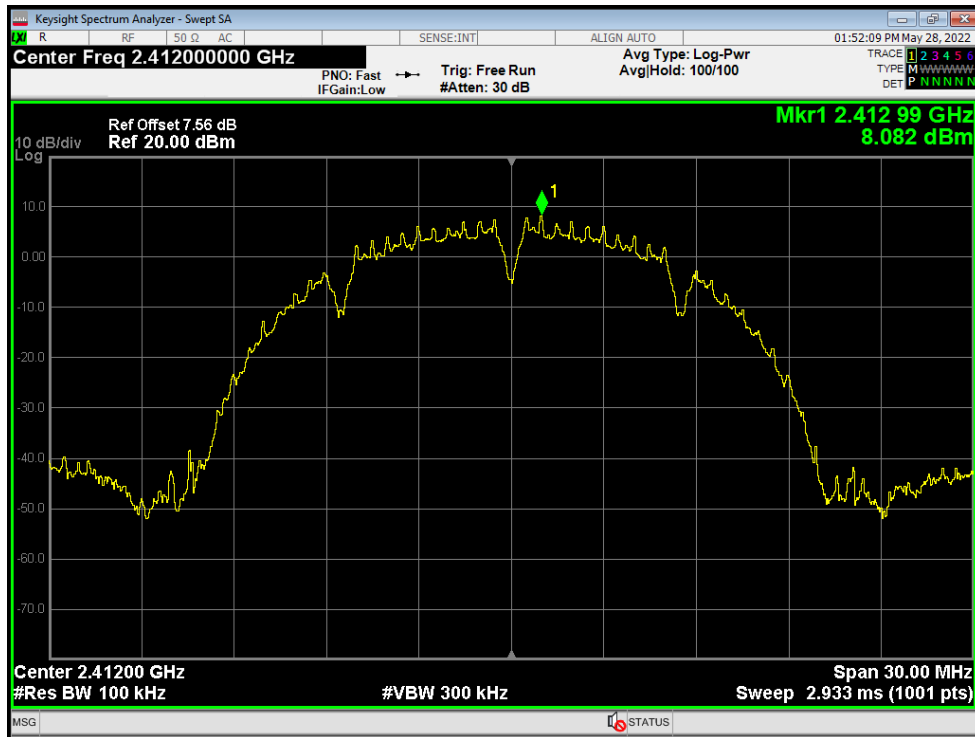
Band Edge NVHT ax40 2452MHz Ant2 Ref



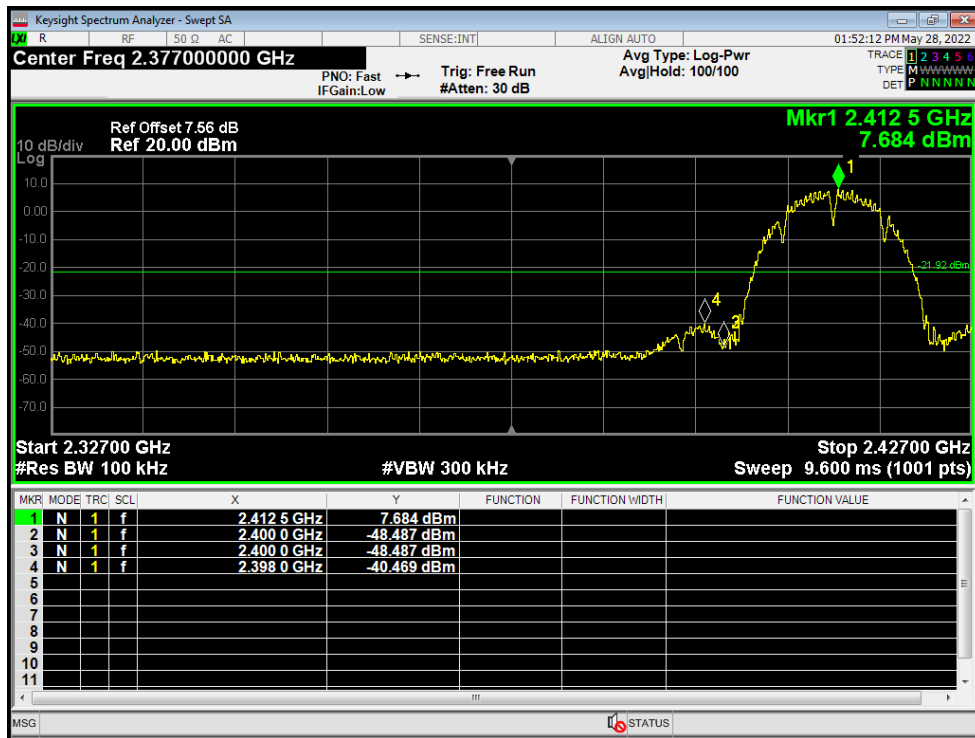
Band Edge NVHT ax40 2452MHz Ant2 Emission



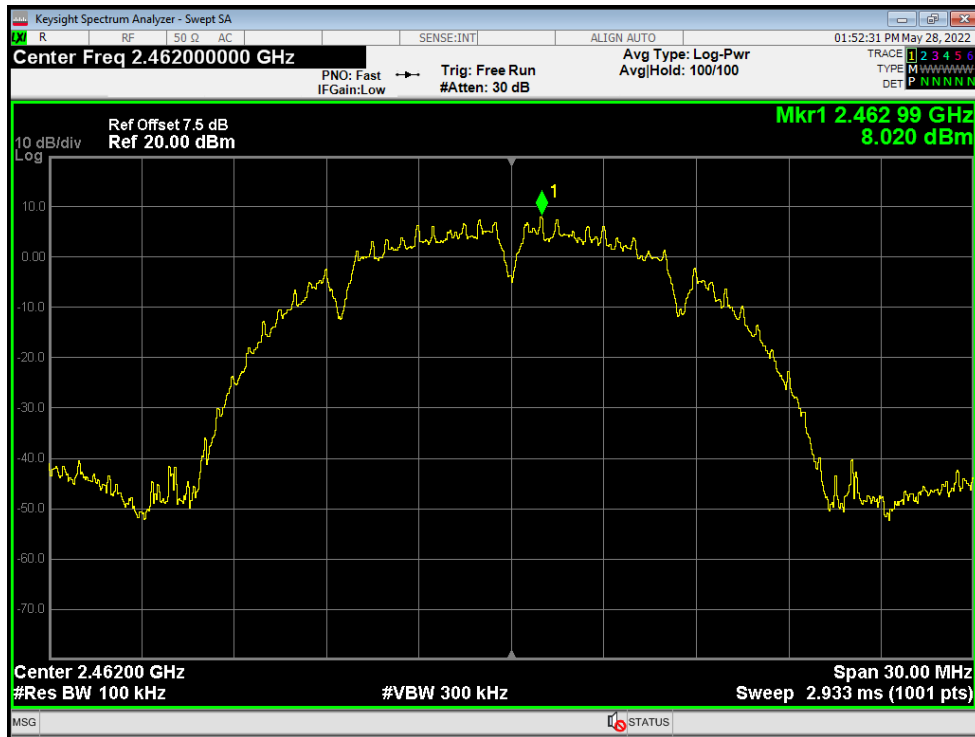
Band Edge NVHT b 2412MHz Ant2 Ref



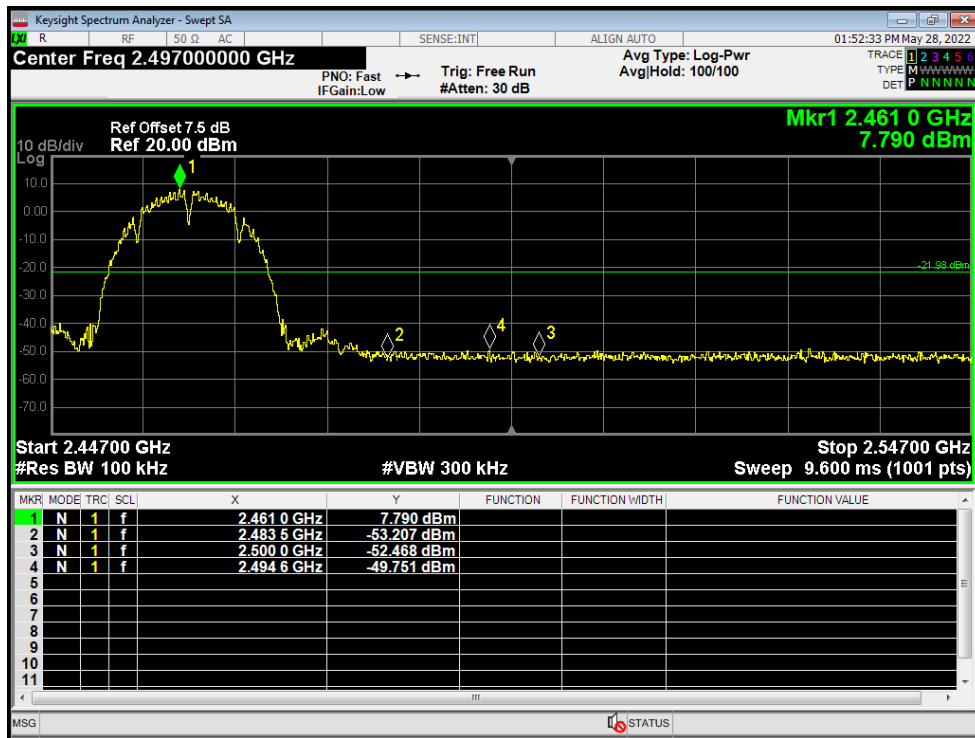
Band Edge NVHT b 2412MHz Ant2 Emission



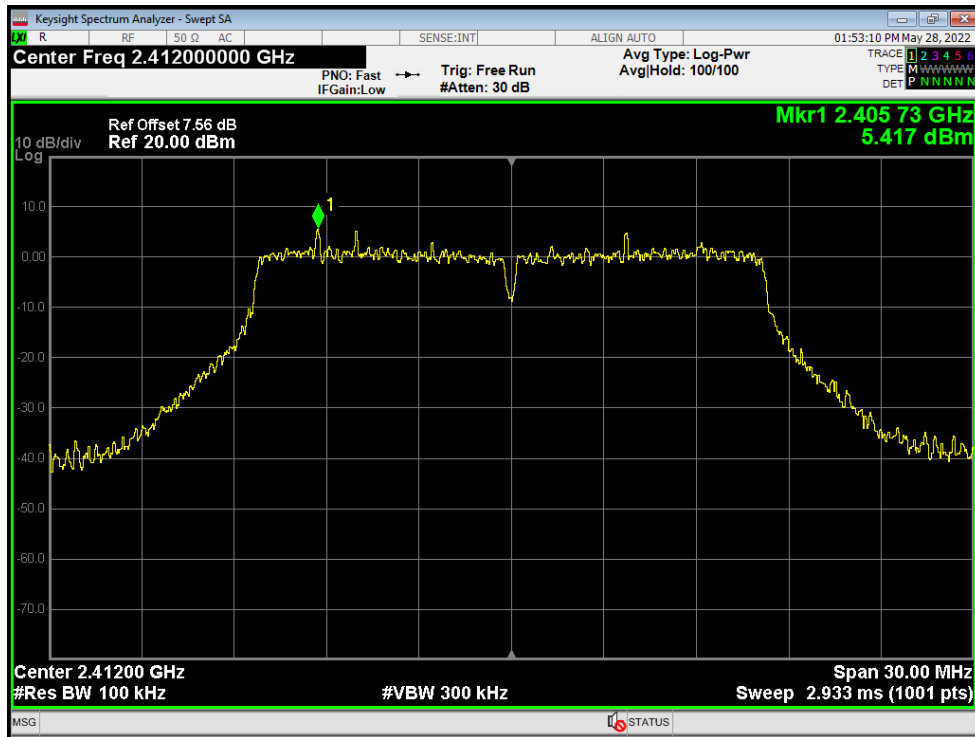
Band Edge NVHT b 2462MHz Ant2 Ref



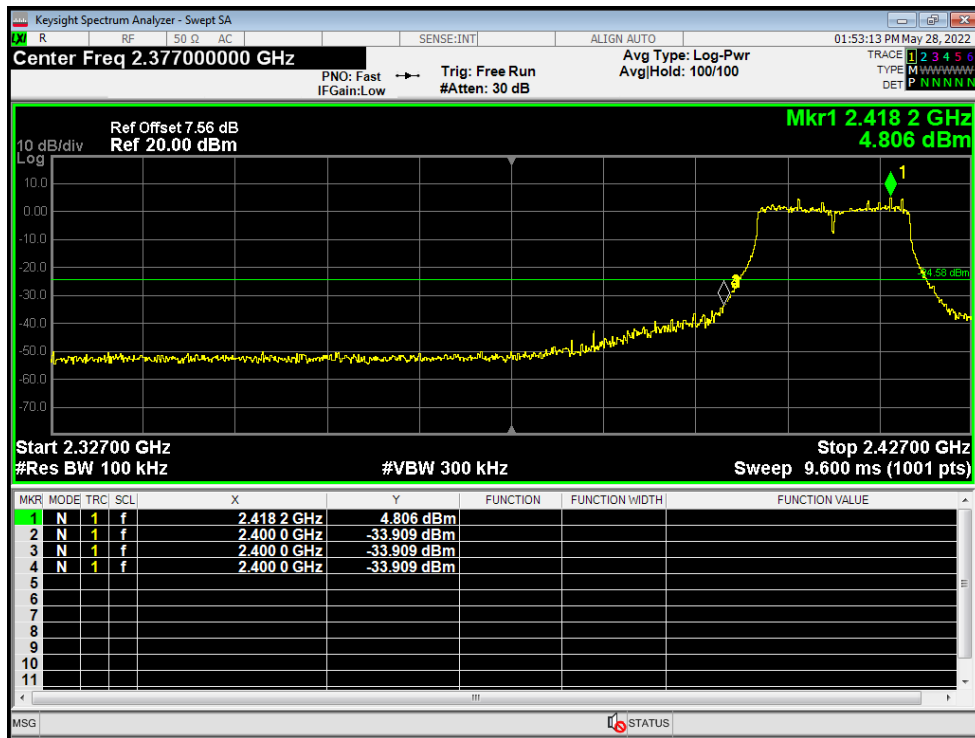
Band Edge NVHT b 2462MHz Ant2 Emission



Band Edge NVHT g 2412MHz Ant2 Ref



Band Edge NVHT g 2412MHz Ant2 Emission



Keysight Spectrum Analyzer - Swept SA

Center Freq 2.462000000 GHz

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

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

01:53:32 PM May 28, 2022

Ref Offset 7.5 dB Ref 20.00 dBm

Mkr1 2.465 72 GHz 5.396 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)

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

Ref Offset 7.5 dB Ref 20.00 dBm

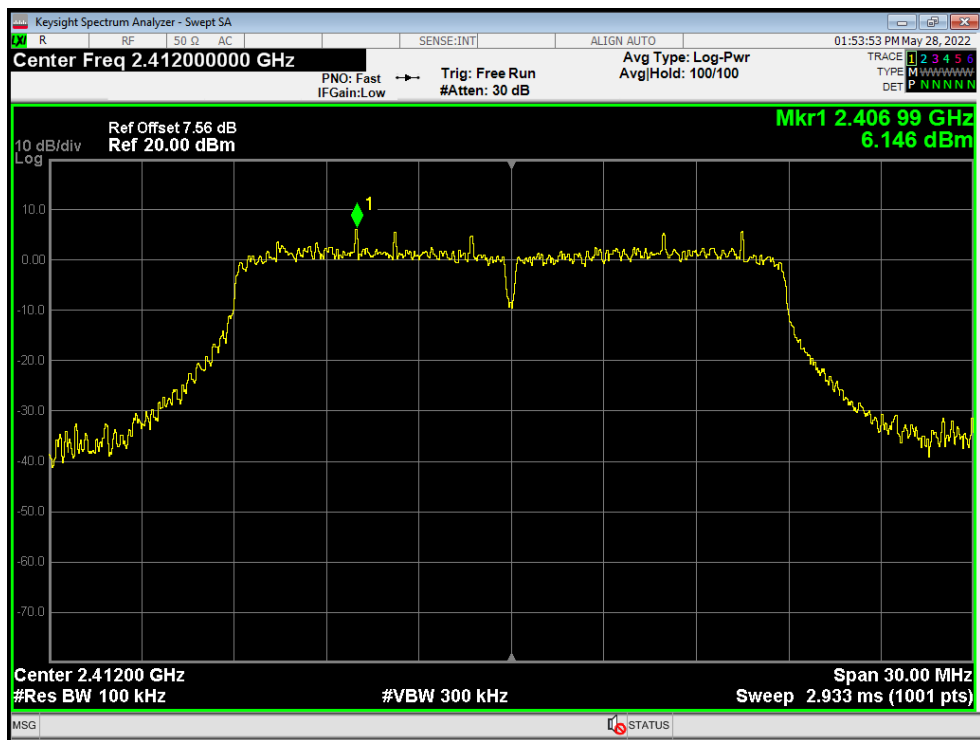
Mkr1 2.467 0 GHz 5.724 dBm

Start 2.44700 GHz Stop 2.54700 GHz

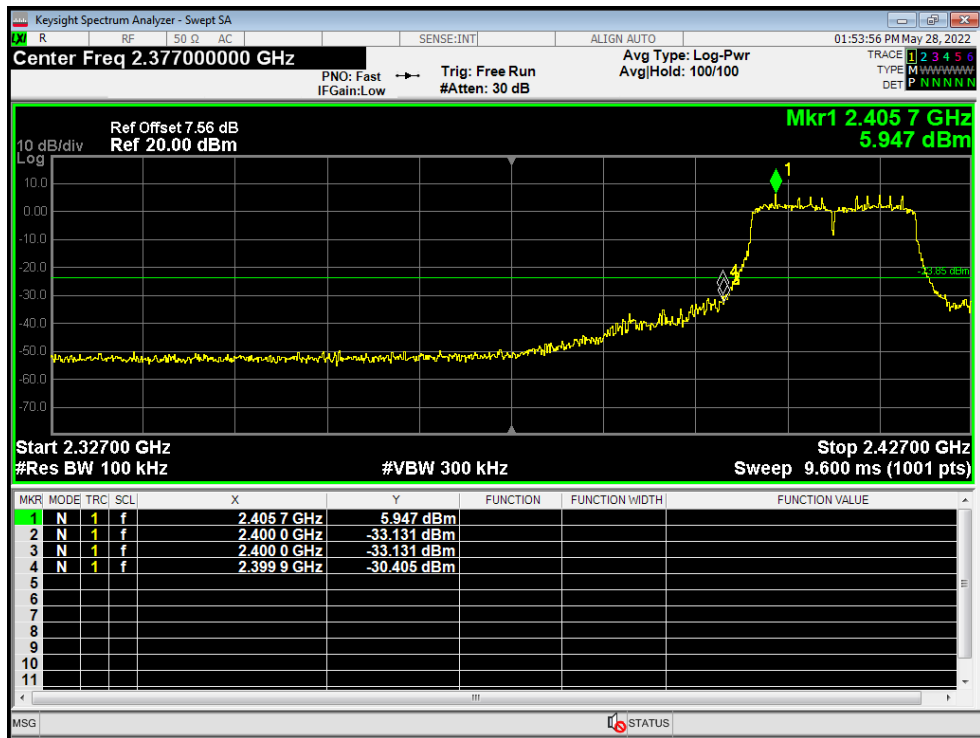
#Res BW 100 kHz #VBW 300 kHz Sweep 9.600 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.467 0 GHz	5.724 dBm			
2	N	1	f	2.483 5 GHz	-41.753 dBm			
3	N	1	f	2.500 0 GHz	-51.149 dBm			
4	N	1	f	2.484 8 GHz	-40.413 dBm			

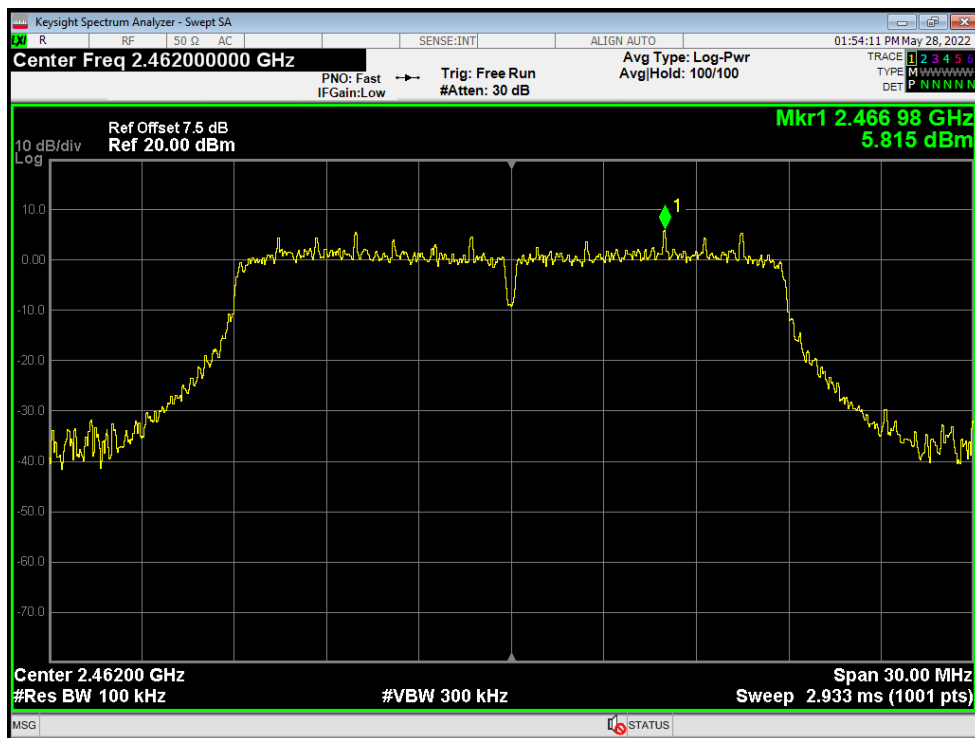
Band Edge NVHT n20 2412MHz Ant2 Ref



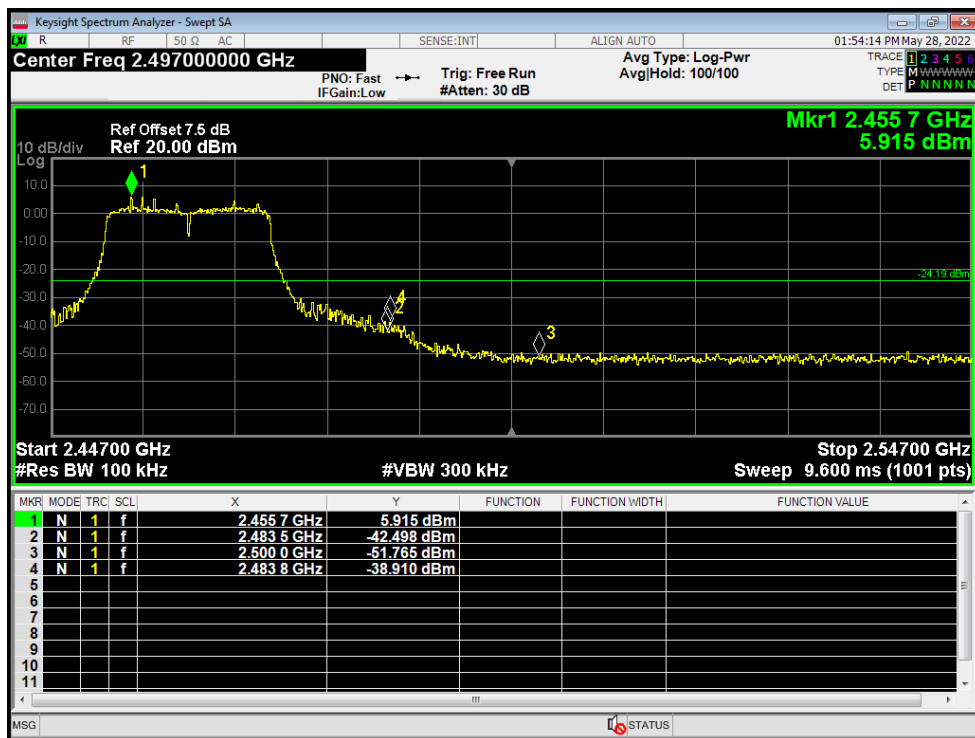
Band Edge NVHT n20 2412MHz Ant2 Emission



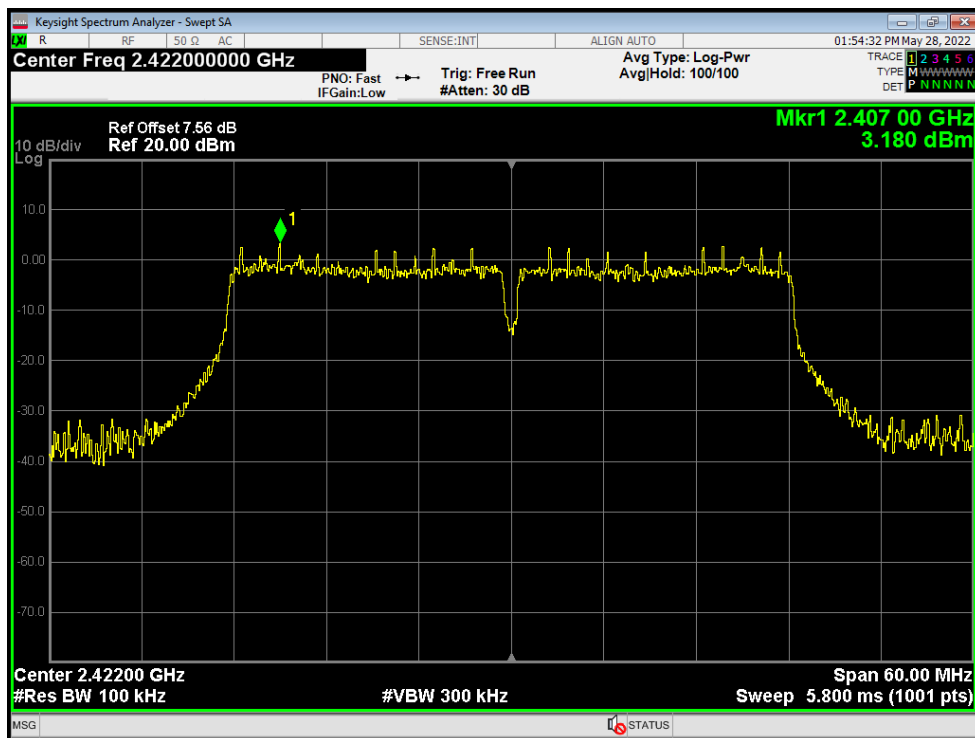
Band Edge NVHT n20 2462MHz Ant2 Ref



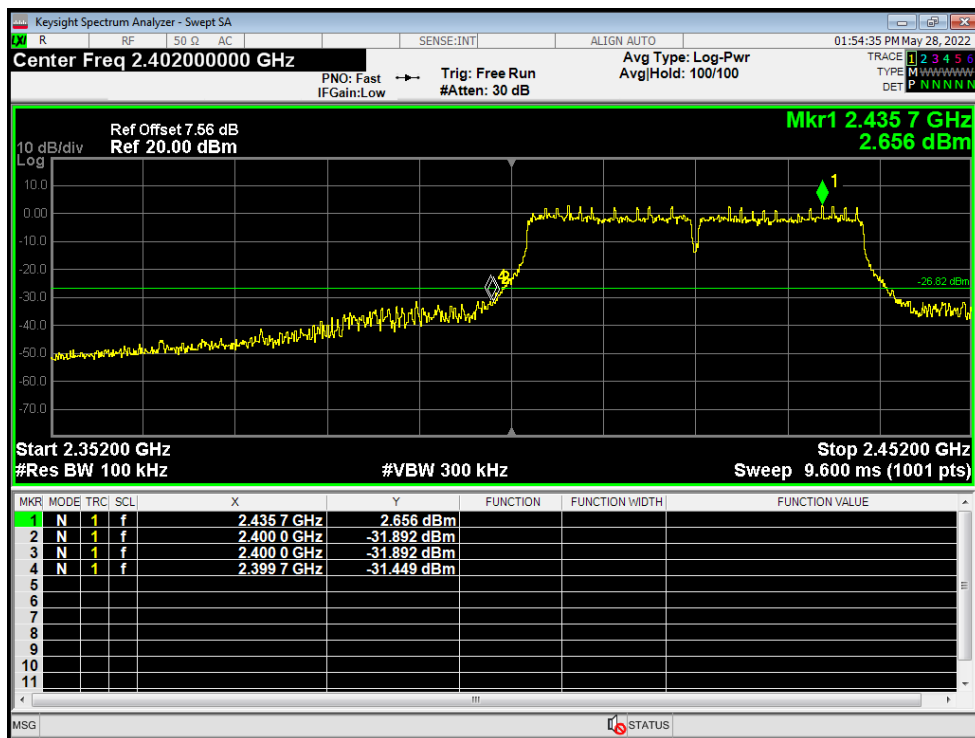
Band Edge NVHT n20 2462MHz Ant2 Emission



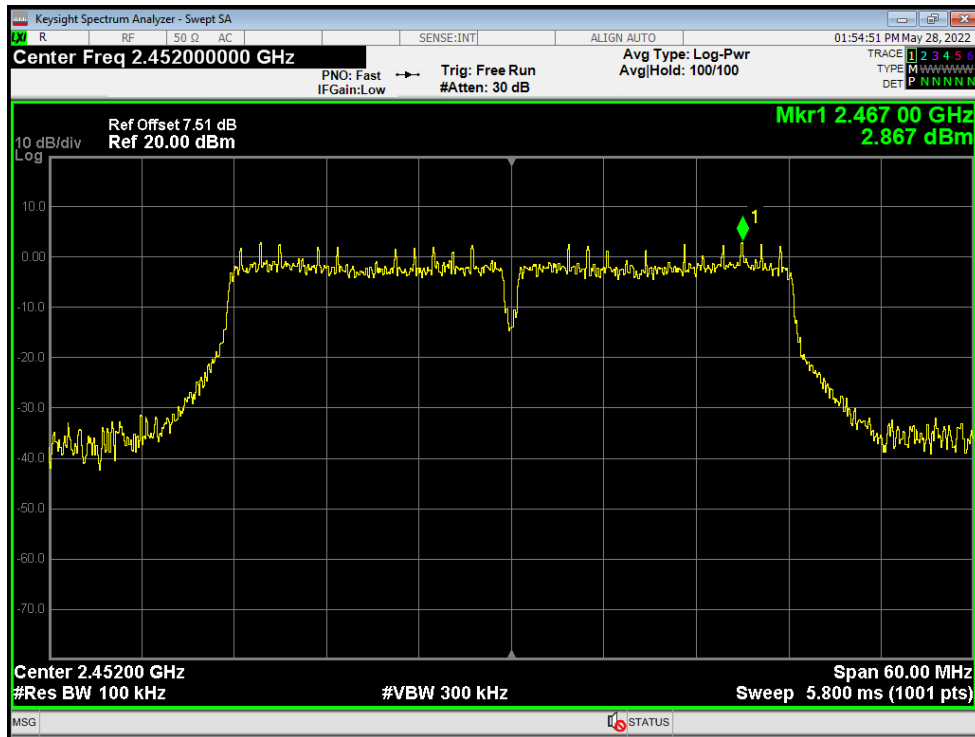
Band Edge NVHT n40 2422MHz Ant2 Ref



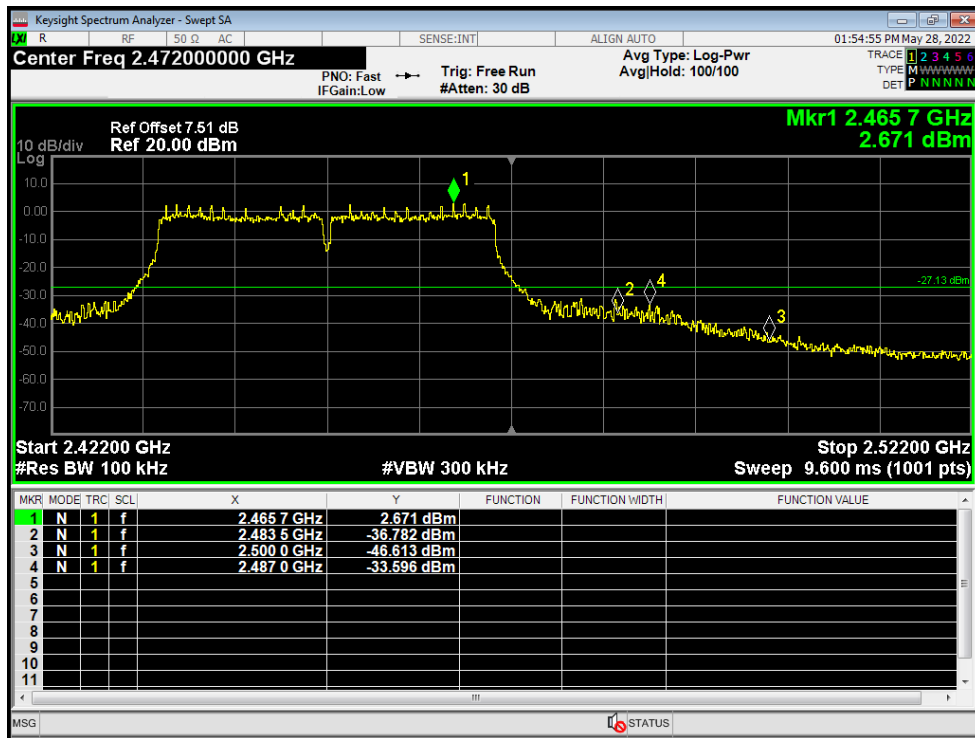
Band Edge NVHT n40 2422MHz Ant2 Emission



Band Edge NVHT n40 2452MHz Ant2 Ref



Band Edge NVHT n40 2452MHz Ant2 Emission

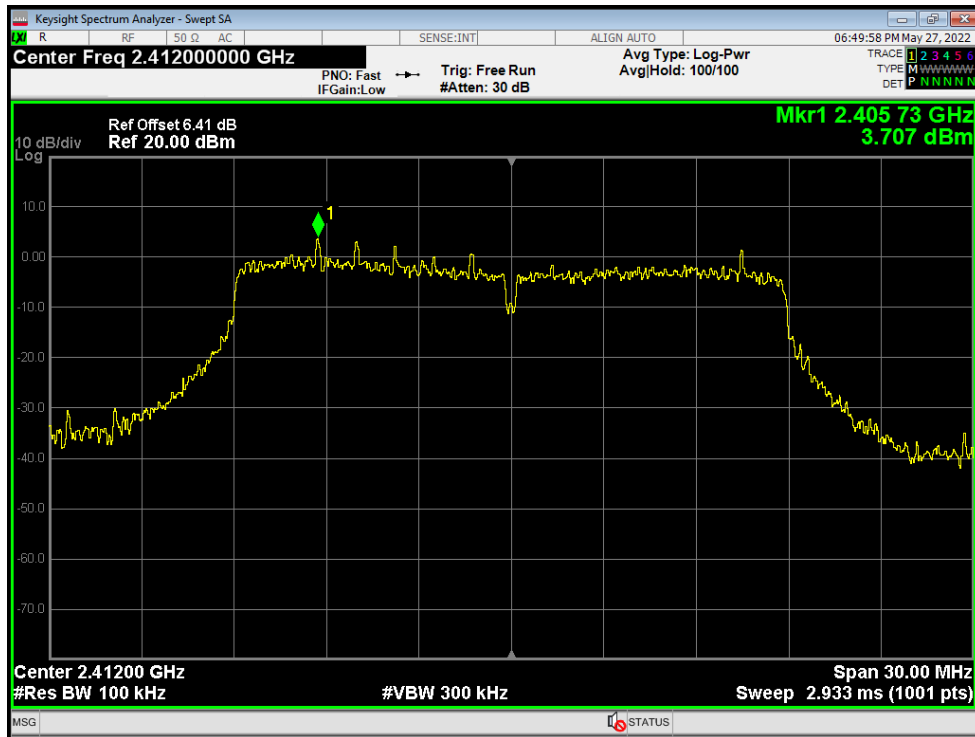


Conducted RF Spurious Emission

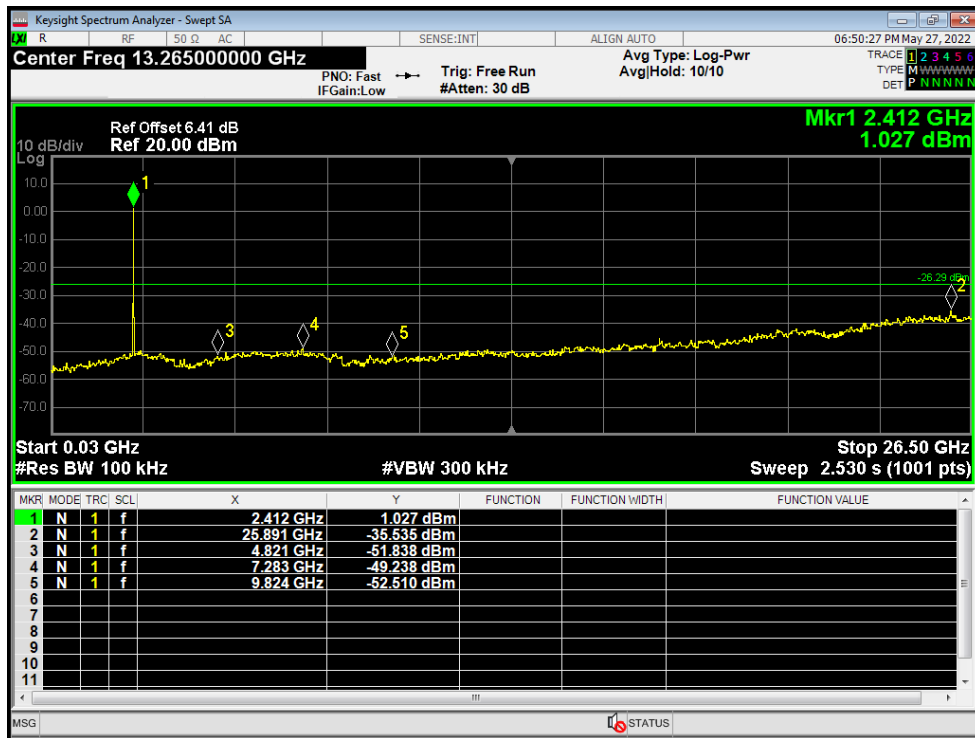
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax20	2412	Ant1	-39.24	-30	Pass
NVNT	ax20	2437	Ant1	-44.71	-30	Pass
NVNT	ax20	2462	Ant1	-38.7	-30	Pass
NVNT	ax40	2422	Ant1	-39.79	-30	Pass
NVNT	ax40	2437	Ant1	-38.85	-30	Pass
NVNT	ax40	2452	Ant1	-36.09	-30	Pass
NVNT	b	2412	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

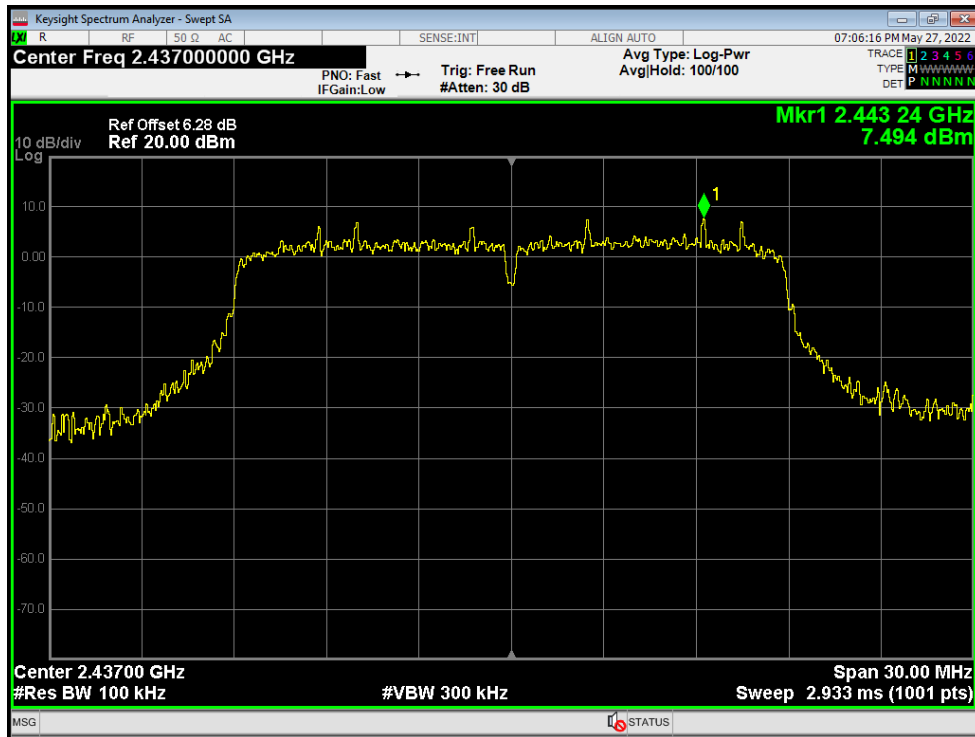
Tx. Spurious NVNT ax20 2412MHz Ant1 Ref



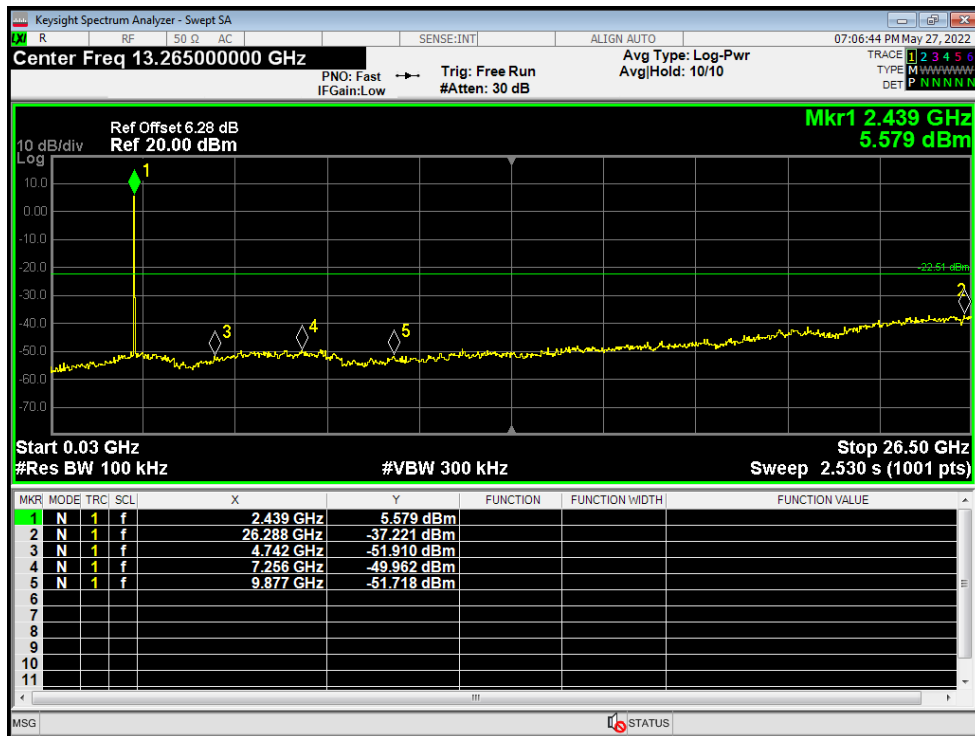
Tx. Spurious NVNT ax20 2412MHz Ant1 Emission



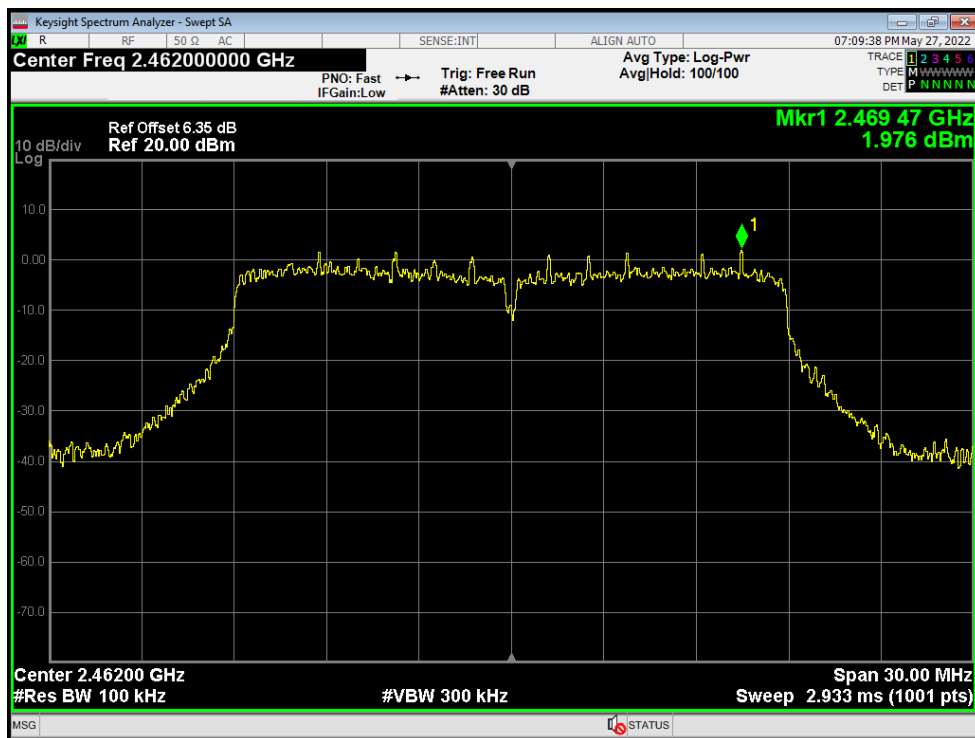
Tx. Spurious NVNT ax20 2437MHz Ant1 Ref



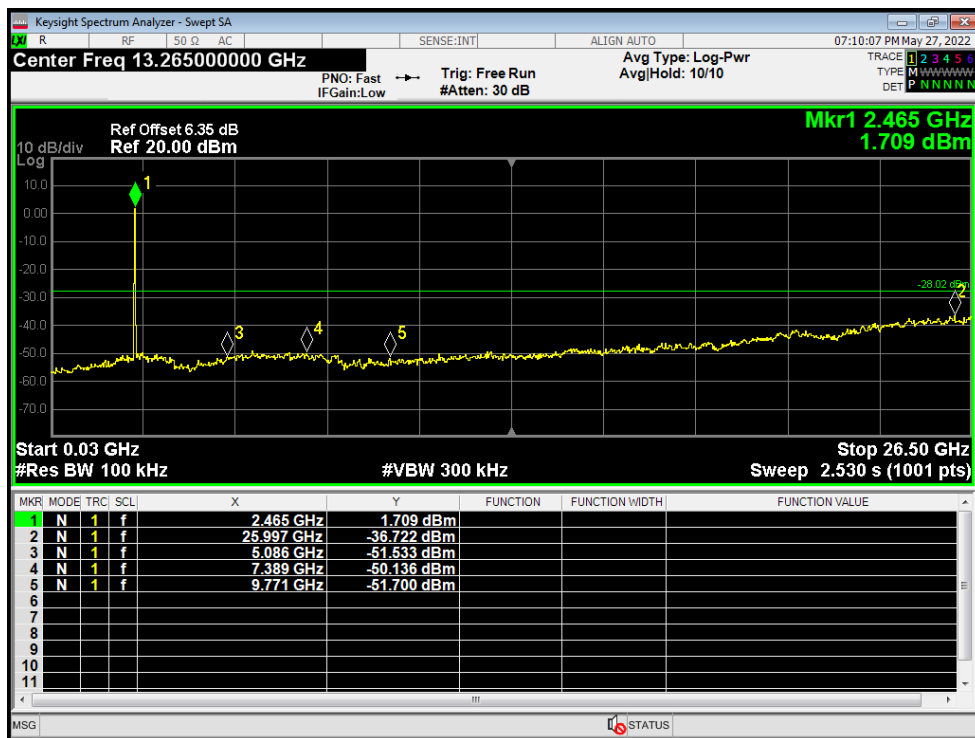
Tx. Spurious NVNT ax20 2437MHz Ant1 Emission



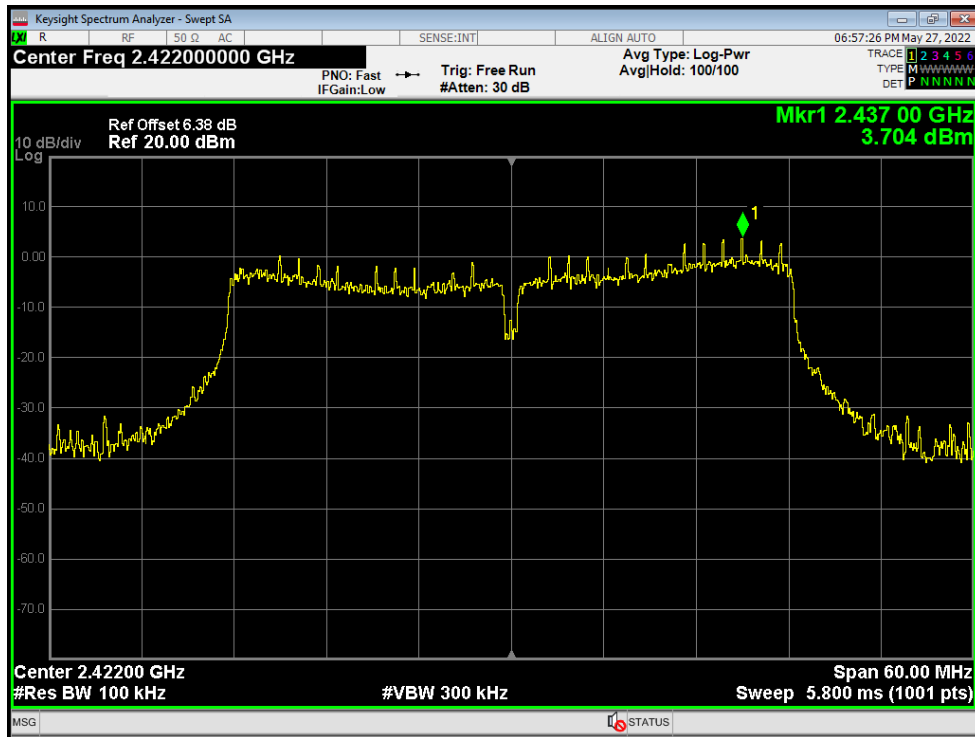
Tx. Spurious NVNT ax20 2462MHz Ant1 Ref



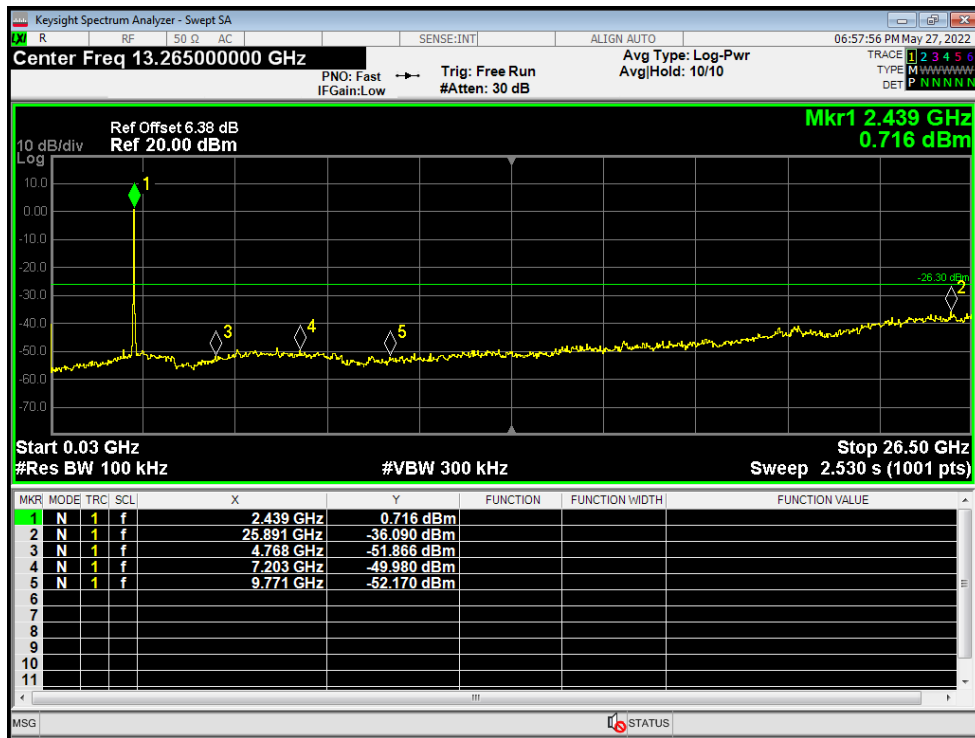
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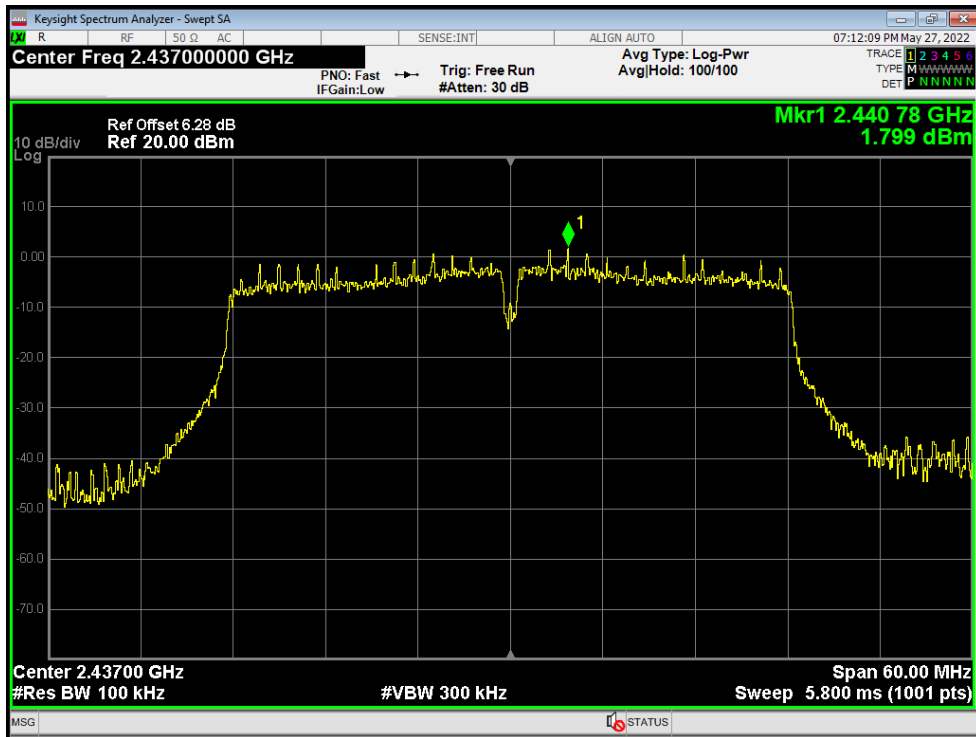
Tx. Spurious NVNT ax40 2422MHz Ant1 Ref



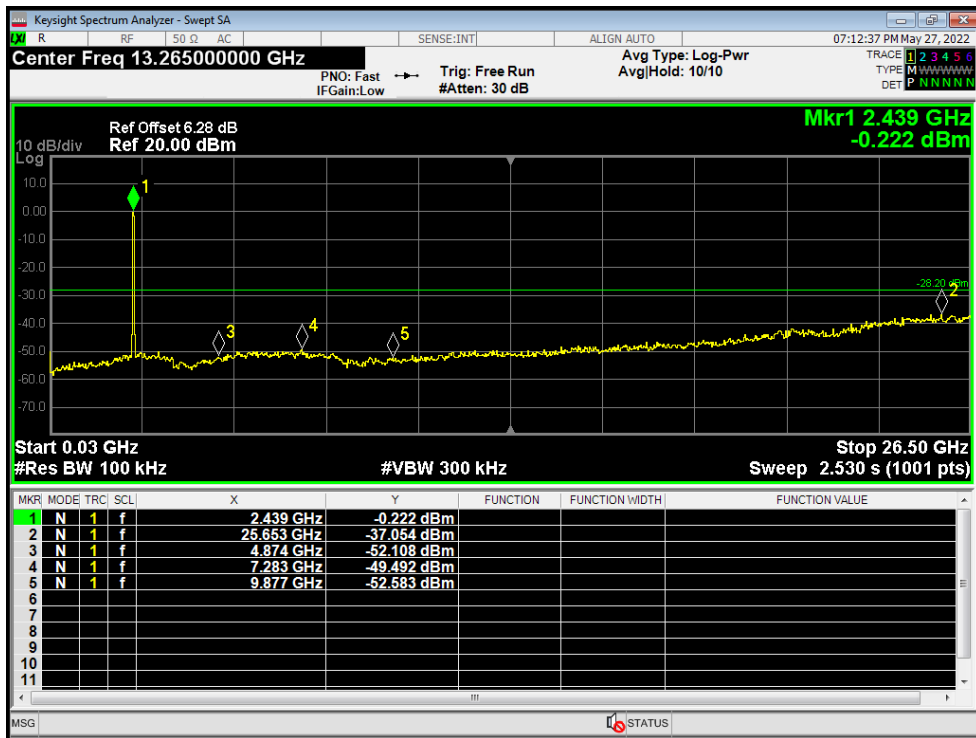
Tx. Spurious NVNT ax40 2422MHz Ant1 Emission



Tx. Spurious NVNT ax40 2437MHz Ant1 Ref



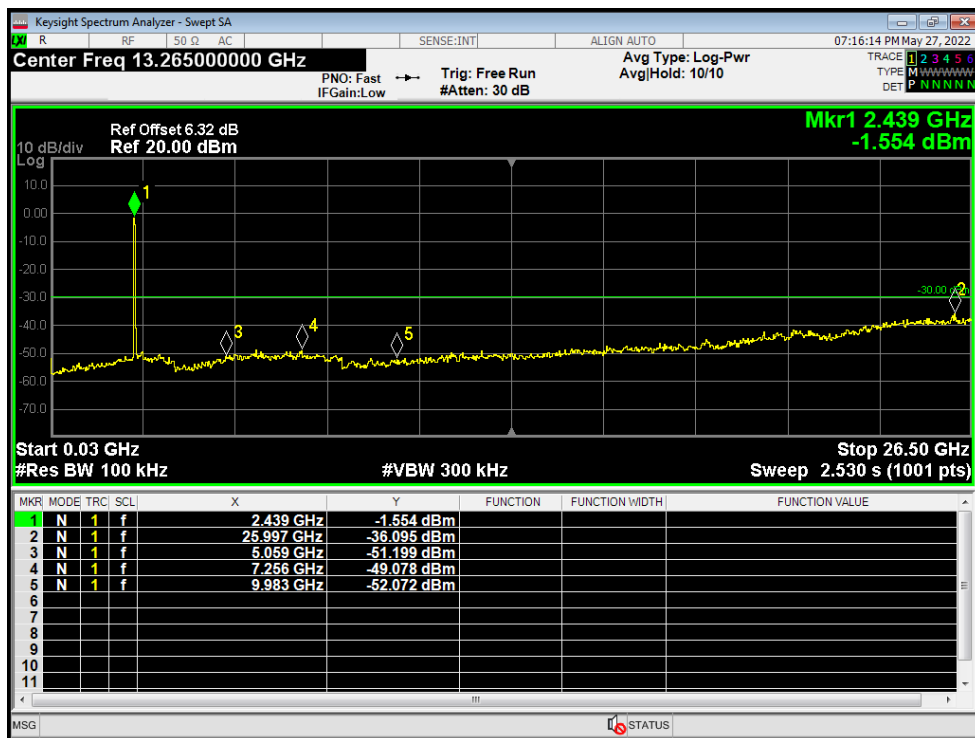
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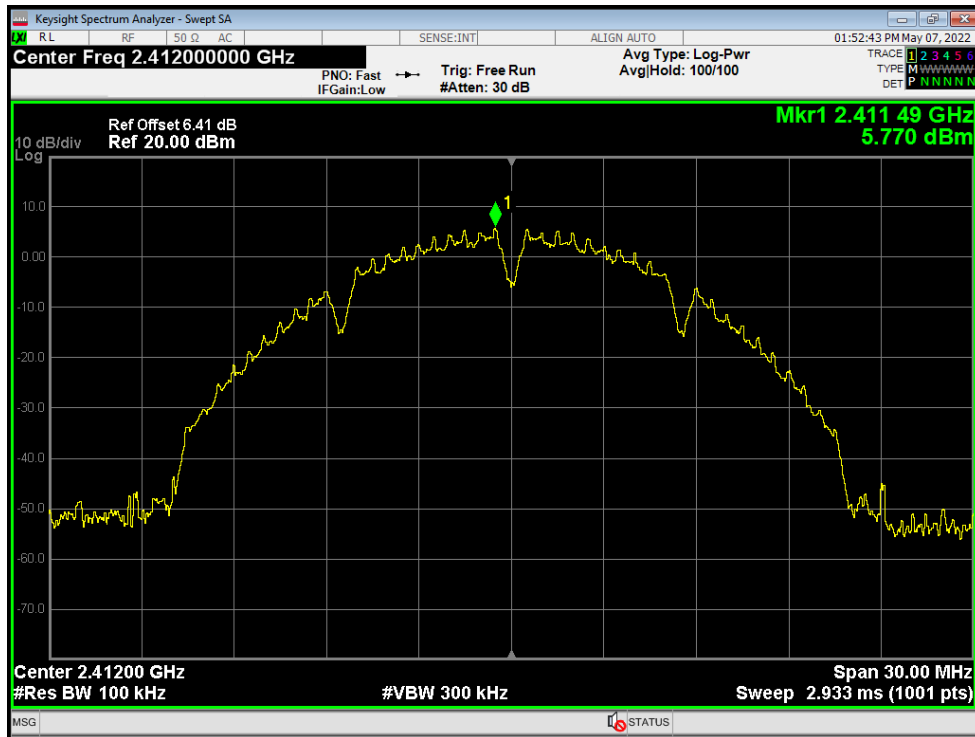
Tx. Spurious NVNT ax40 2452MHz Ant1 Ref



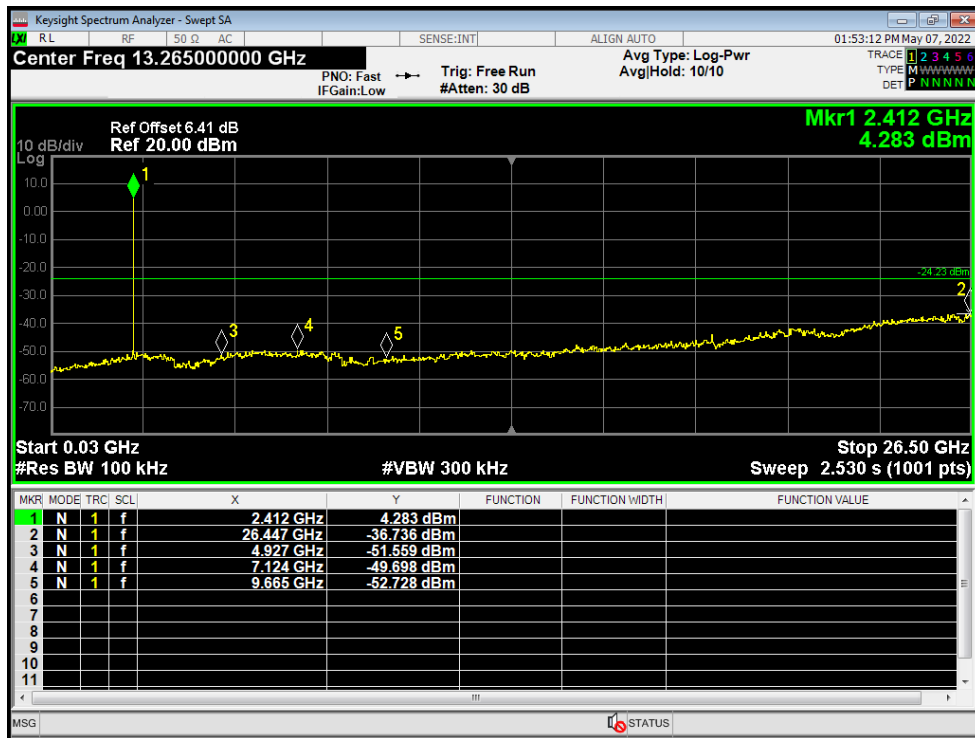
Tx. Spurious NVNT ax40 2452MHz Ant1 Emission



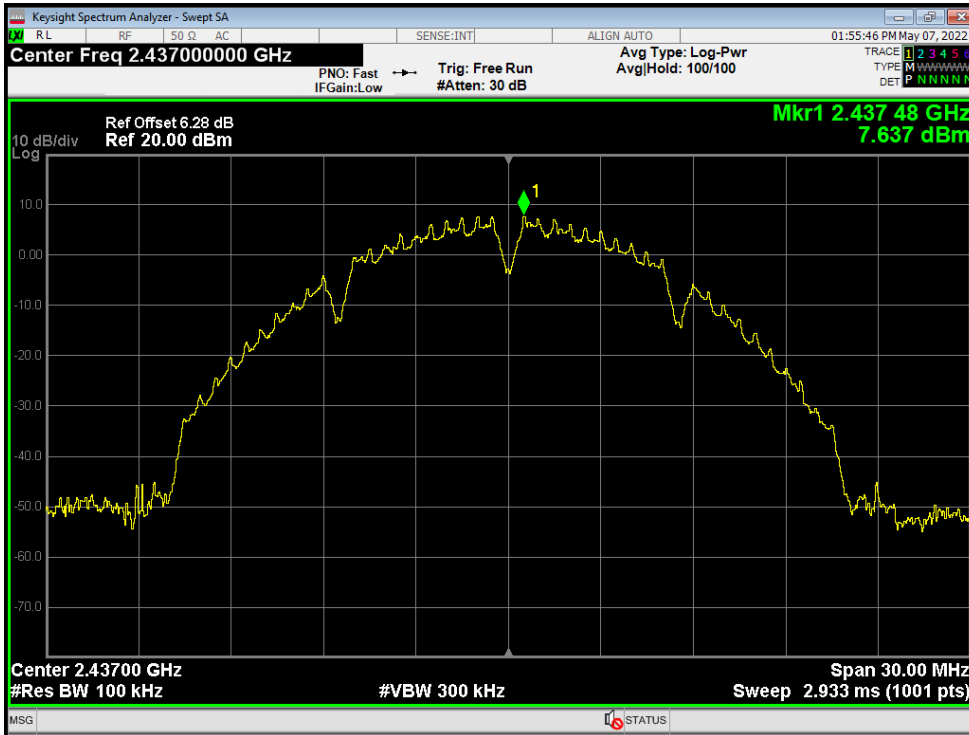
Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission



Tx. Spurious NVNT b 2437MHz Ant1 Ref



Tx. Spurious NVNT b 2437MHz Ant1 Emission

