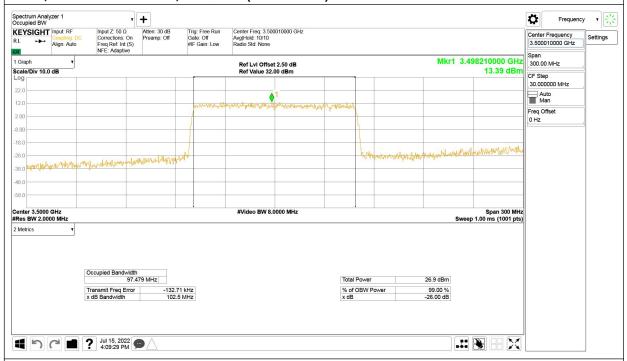


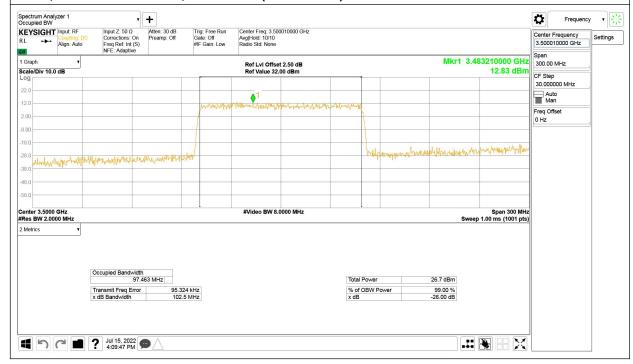


Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	CP QPSK	CP 16QAM	
3500.01	102.490	102.451	
n781 100MHz Bandwidth CB OBSK (26dBa BW)			

n78L,100MHz Bandwidth,CP QPSK (-26dBc BW)



n78L,100MHz Bandwidth,CP 16QAM (-26dBc BW)



n78H-MIMO,10MHz(-26dBc)

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Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	CP QPSK	CP 16QAM	
3750	9.539	9.738	
n78H,10MHz Bandwidth,CP QPSK (-26dBc BW)			

Input Z-50 Ω Corrections: On Freq Ref. Int (S) NFE: Adaptive Spectrum Analyzer 1 Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 3.750000000 GHz Avg|Hold: 10/10 Radio Std: None KEYSIGHT Input RF Settings Alian: Auto Mkr1 3.751650000 GHz 30.000 MHz Ref Lvi Offset 2.50 dB Ref Value 32.00 dBm Scale/Div 10.0 dB Log 9.92 dBr Auto Man Freq Offset 0 Hz 8.00 #Video BW 1.0000 MHz Span 30 MHz Sweep 1.00 ms (1001 pts)

Total Power

% of OBW Power

23.1 dBm

.## **%**

n78H,10MHz Bandwidth,CP 16QAM (-26dBc BW)

Occupied Bandwidth 8.6432 MHz

■ 9 C ■ ? Jul 15, 2022 **●** 5:50:19 PM

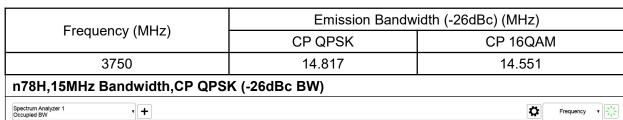


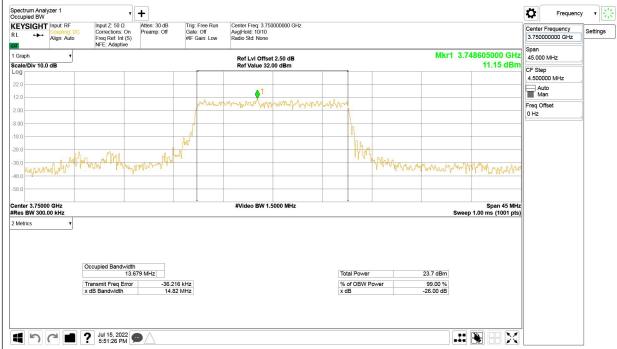
n78H-MIMO,15MHz(-26dBc)

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n78H,15MHz Bandwidth,CP 16QAM (-26dBc BW)

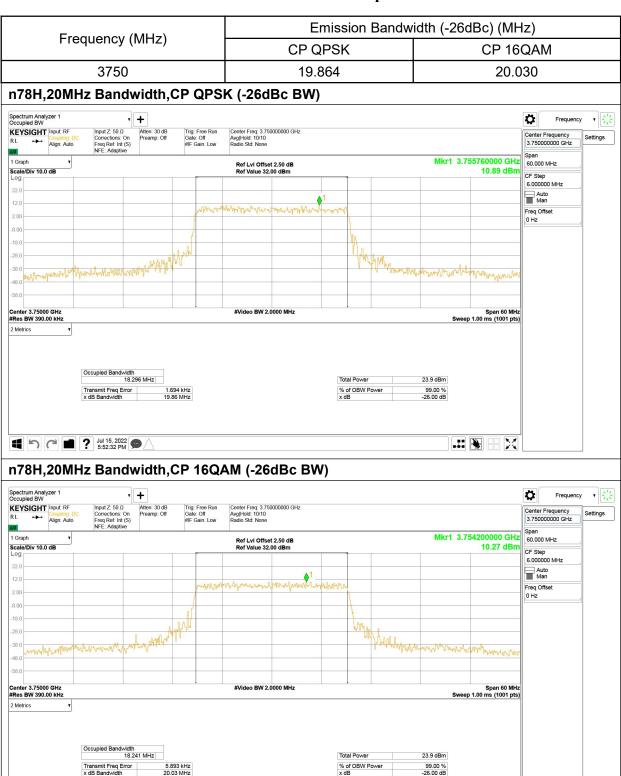


n78H-MIMO,20MHz(-26dBc)

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n78H-MIMO,30MHz(-26dBc)

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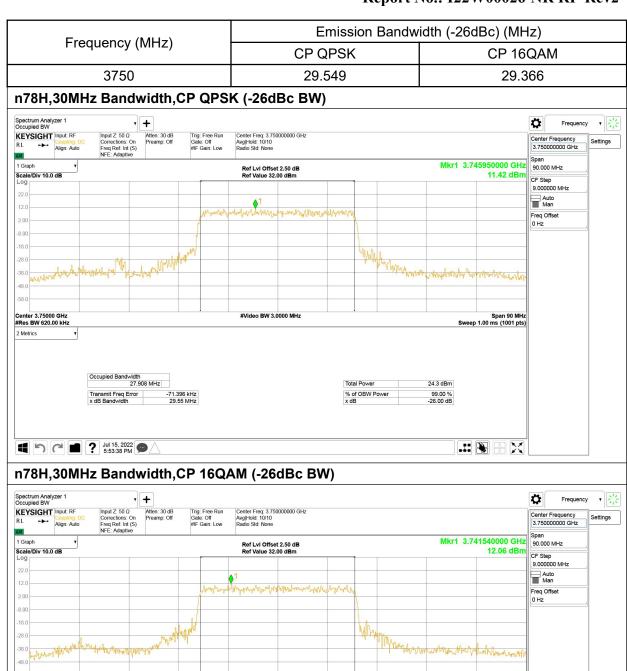
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Span 90 MHz Sweep 1.00 ms (1001 pts)

24.2 dBm



n78H-MIMO,40MHz(-26dBc)

Jul 15, 2022 5:53:57 PM

Occupied Bandwidth 27.932 MHz

smit Freq Error

Center 3.75000 GHz #Res BW 620.00 kHz

2 Metrics

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Total Power

% of OBW Power

#Video BW 3.0000 MHz

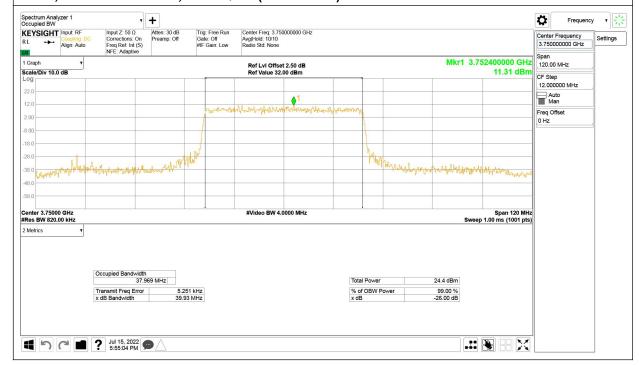




Fragueroy (MIII-)	Emission Bandwidth (-26dBc) (MHz)		
Frequency (MHz)	CP QPSK	CP 16QAM	
3750 39.845		39.929	
n78H,40MHz Bandwidth,CP QPSK (-26dBc BW)			

Input Z: 50 Ω Corrections: On Freq Ref. Int (S) NFE: Adaptive Spectrum Analyzer 1 ٥ Frequency v Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 3.750000000 GHz Avg|Hold: 10/10 Radio Std: None KEYSIGHT Input RF Settings Alian: Auto Mkr1 3.746040000 GHz Ref Lvi Offset 2.50 dB Ref Value 32.00 dBm 120.00 MHz Scale/Div 10.0 dB Log 11.84 dBr CF Step 12.000000 MHz Auto Man atemporal lapely regardent Freq Offset 0 Hz 8.00 - Tyly - Sarpanfrakanterniki fi Thill to at ha horeoforest desired for the second of the se #Video BW 4.0000 MHz Occupied Bandwidth 37.947 MHz Total Power 24.4 dBm % of OBW Power **■** 9 C ■ ? Jul 15, 2022 **●** 5:54:45 PM .## **%**

n78H,40MHz Bandwidth,CP 16QAM (-26dBc BW)

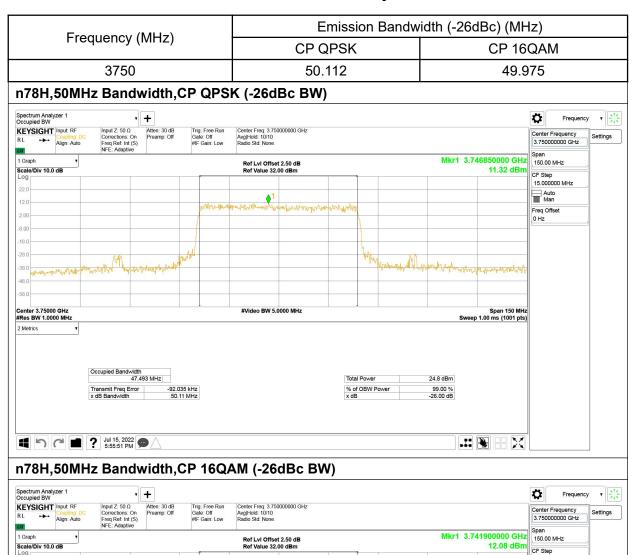


n78H-MIMO,50MHz(-26dBc)

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n78H-MIMO,60MHz(-26dBc)

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n78H-MIMO,70MHz(-26dBc)

Jul 15, 2022 5:57:16 PM

Occupied Bandwidth 57.827 MHz

Transmit Freq Error x dB Bandwidth

2 Metrics

Chongqing Academy of Information and Communication Technology

Total Power

% of OBW Power

26.1 dBm

99.00 % -26.00 dB

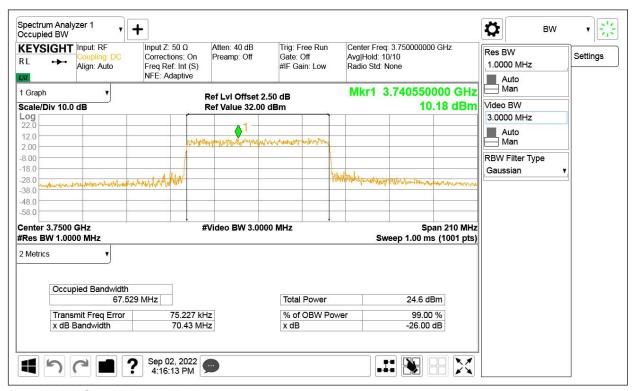




Frequency (MHz)	Emission Bandwidth (-26dl			IBc) (MHz)	
Frequency (MHZ)	CP QPSK	CP QPSK		CP 16QAM	
3750	70.381		70.430		
78H,70MHz Bandwidth,CP QPS	K (-26dBc BW)	•			
pectrum Analyzer 1 v			₩ BW	v 3'	
L Coupling: DC Align: Auto Corrections: On Freq Ref: Int (S)	mp: Off Gate: Off Avg Ho	Freq: 3.750000000 GHz old: 10/10 Std: None	Res BW 1.0000 MHz	Settings	
Graph Ref L	i Oliset 2.50 db	1 3.736140000 GHz 10.21 dBm	Auto Man Video BW		
cale/Div 10.0 dB Ref V	llue 32.00 dBm	10.21 dBiii	3.0000 MHz		
12.0	haladada ya angalaga mangalanga anasah		Auto Man		
8.00			RBW Filter Type Gaussian		
28.0 warmen war war the film of the company of the	V Majira da gata wasan ta	Howay he are a half white half of the wind any of the wind			
58.0	BW 3,0000 MHz	Span 210 MHz			
Res BW 1.0000 MHz	500 3.0000 MINZ	Sweep 1.00 ms (1001 pts)			
Metrics Occupied Bandwidth					
67.699 MHz	Total Power	24.5 dBm			
Transmit Freq Error 42.165 kHz x dB Bandwidth 70.38 MHz	% of OBW Power x dB	99.00 % -26.00 dB			
Sep 02, 2022 4:14:19 PM					







n78H-MIMO,80MHz(-26dBc)

Occupied Bandwidth
77.605 MHz

Jul 15, 2022 5:59:09 PM

Center 3.7500 GHz #Res BW 1.6000 MHz

Eroc	Frequency (MHz)				Z)						
1160	qu e ncy (IVII 1 <i>Z)</i>		CP QPSK CP 160			6QAM				
	3750			81.469 81.46		81.469 81.460		81.469 81.460		60	
n78H,80MH	z Band\	width,C	P QPS	K (-26dBc BW)							
Spectrum Analyzer 1 Occupied BW	•	+					Frequency v	**			
RL Align: Auto	Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Adaptive	Atten: 30 dB Preamp: Off	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 3.750000000 GHz Avg Hold: 10/10 Radio Std: None			Center Frequency 3.750000000 GHz	ngs			
1 Graph v Scale/Div 10.0 dB			-	Ref Lvi Offset 2.50 dB Ref Value 32.00 dBm		Mkr1 3.713040000 GHz 12.58 dBm	240.00 MHz CF Step				
22.0			≬ 1				24.000000 MHz Auto Man				
2.00			hyvrandrahan hyvrandrahan	area bor a locality of the local of the first that the forest the second of the first to be delical			Freq Offset 0 Hz				
-8.00											

Emission Pandwidth / 26dPa) (MUz)

Span 240 MHz Sweep 1.00 ms (1001 pts)

.::

25.8 dBm

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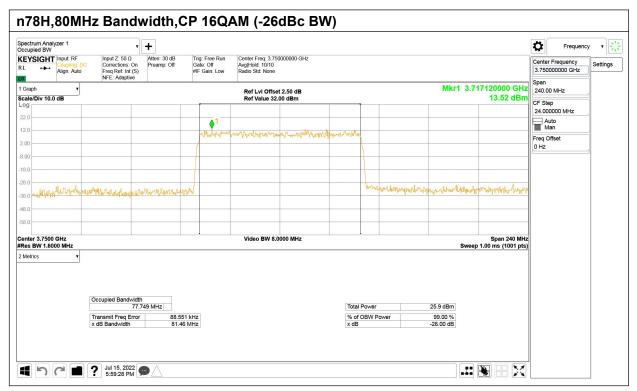
Total Power

% of OBW Power

Video BW 8.0000 MHz



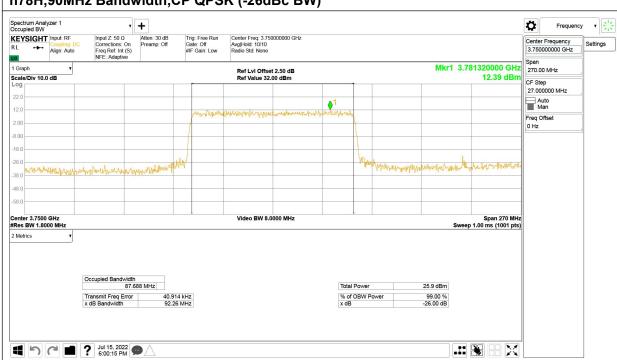




n78H-MIMO,90MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	CP QPSK	CP 16QAM	
3750	92.255	91.744	

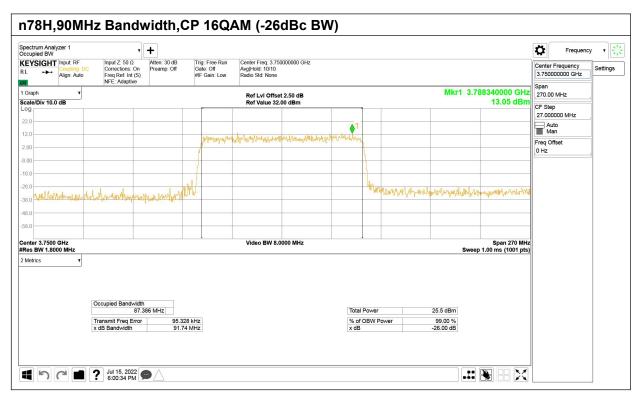
n78H,90MHz Bandwidth,CP QPSK (-26dBc BW)



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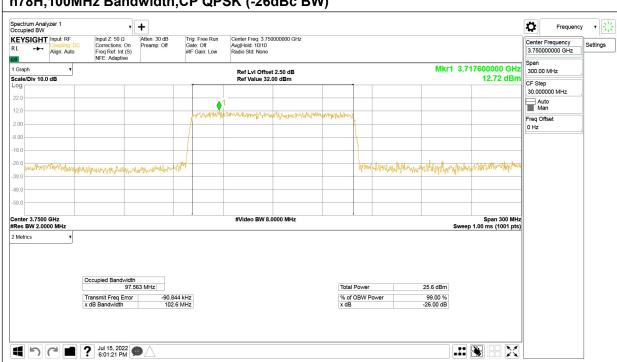




n78H-MIMO,100MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	CP QPSK	CP 16QAM	
3750	102.555	102.174	

n78H,100MHz Bandwidth,CP QPSK (-26dBc BW)

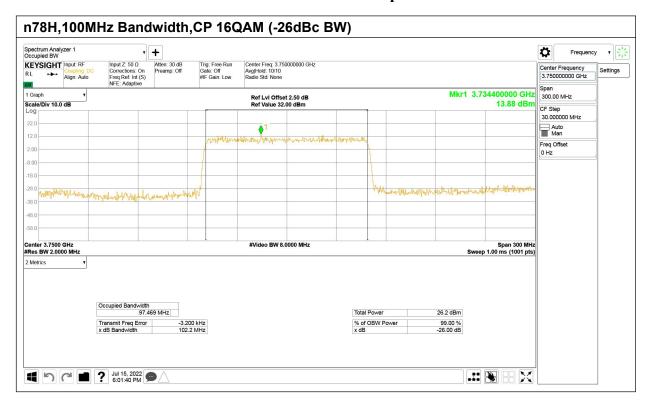


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6.5. Conducted spurious emissions

Specifications:	FCC Part 2.1051,24.238,2.1053,22.917, 27.53,90.691
DUT Serial Number:	864284040456696
Test conditions:	Ambient Temperature:15°C-35°C Relative Humidity:30%-60%
	Air pressure: 86-106kPa
Test Results:	Pass

Limit Level Construction:

According to Part 22.917 (a), i.e., Out of Band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

According to Part 24.238 (a), i.e., Out of Band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB, so the limit level is: $P(dBm) - (43 + 10 \log(P))$ dB= -13dBm.

According to Part 27.53(h):

Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 Bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log10(P) dB.

According to Part 27.53(g):

For operations in the 600 MHz Band and the 698-746 MHz Band, the power of any emission outside a licensee's frequency Band(s) of operation shall be attenuated below the transmitter power (P) within the licensed Band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution Bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz Bands immediately outside and adjacent to a licensee's frequency block, a resolution Bandwidth of at least 30 kHz may be employed.

According to Part 90.691:

- (a) Out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:
- (1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 Log10(f/6.1) decibels or 50 + 10 Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.
- (2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + 10Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the

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center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

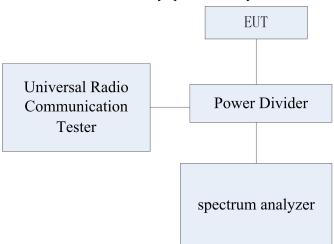
(b) When an emission outside of the authorized bandwidth causes harmful interference, the Commission may, at its discretion, require greater attenuation than specified in this section.

Measurement Uncertainty:

Item	Uncertainty		
	9kHz < f≤4GHz	0.71 dB (k=2)	
Expanded Uncertainty	4GHz≤f < 12.75GHz	0.74 dB (k=2)	
	12.75GHz≤f < 26GHz	2.70 dB (k=2)	

Test Setup:

During the test, the EUT was controlled via the Wireless Communications Test Set to ensure max power transmission and proper modulation and measured by spectrum analyzer.



Test Method:

The measurement was performed accordance with section 2.2.13 of ANSI/TIA-603-E: Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.

The measurement was performed accordance with section 2.2.13 of ANSI/TIA-603-E: Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.

The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-Band emissions, if any, up to 10th harmonic. The EUT was scanned for spurious emissions from 30MHz to 20GHz with sufficient Bandwidth and video resolution.

The spectrum analyzer was set to Maximum hold mode to ensure that the worst-case emissions were captured.

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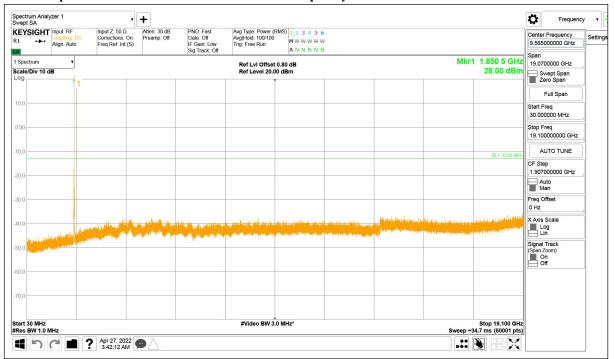


Note: --

6.5.1 Conducted Spurious Emission Results

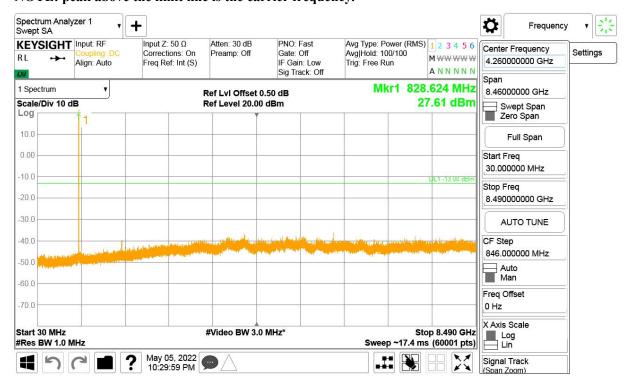
n2

NOTE: peak above the limit line is the carrier frequency.



LTE Band 66+NR n5

NOTE: peak above the limit line is the carrier frequency.



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