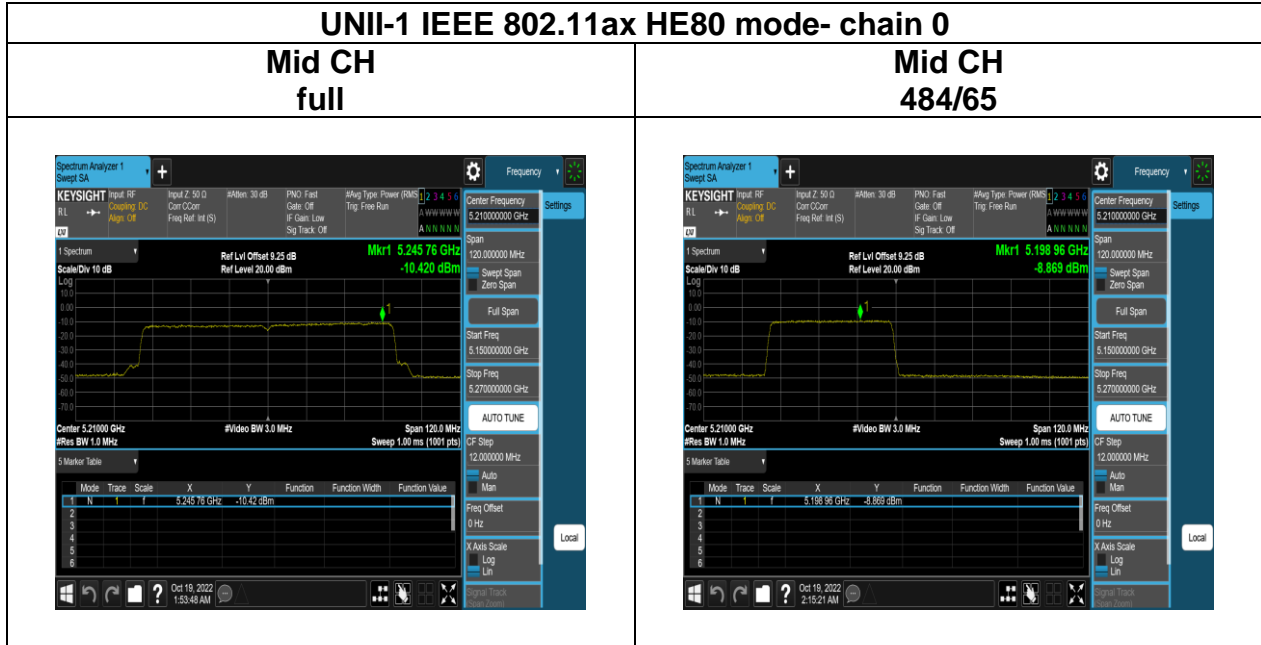


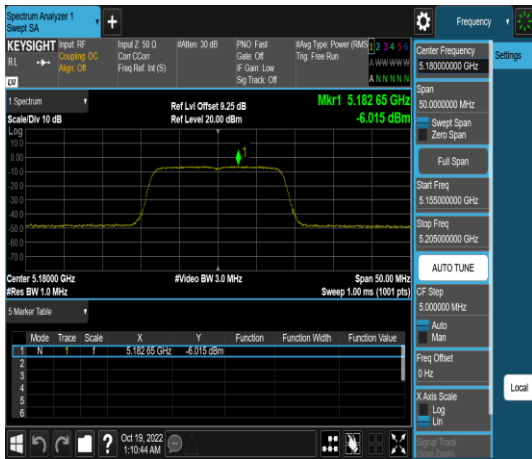
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## UNII-1 IEEE 802.11a mode- chain 1

### Low CH



### Mid CH



### High CH



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## UNII-1 IEEE 802.11n HT20 mode- chain 1

### Low CH



### Mid CH



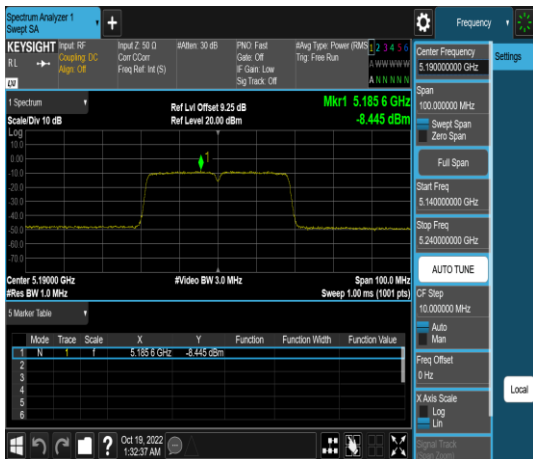
### High CH



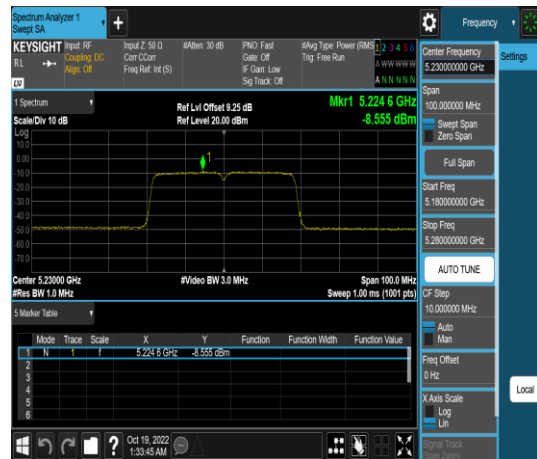
Report No.: TMWK2209003822KR

## UNII-1 IEEE 802.11n HT40 mode- chain 1

### Low CH



### High CH



## UNII-1 IEEE 802.11ac VHT80 mode- chain 1

### Mid CH



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## UNII-1 IEEE 802.11ax HE20 mode- chain 1

### Low CH full



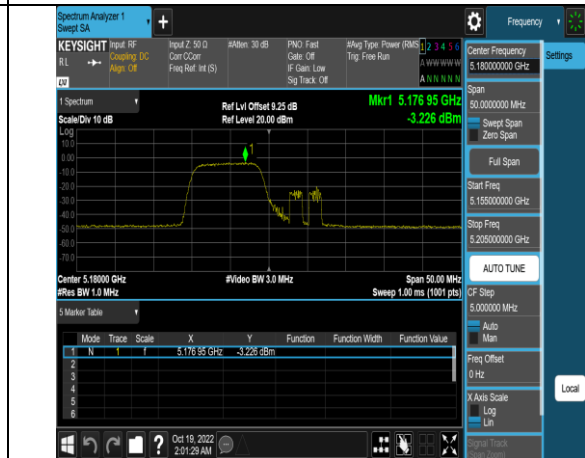
### Low CH 26/0



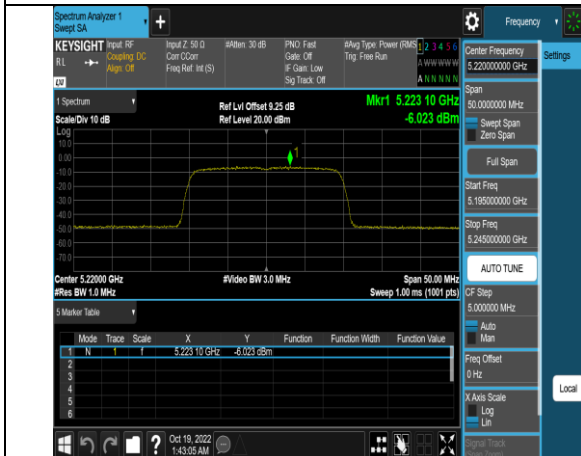
### Low CH 52/37



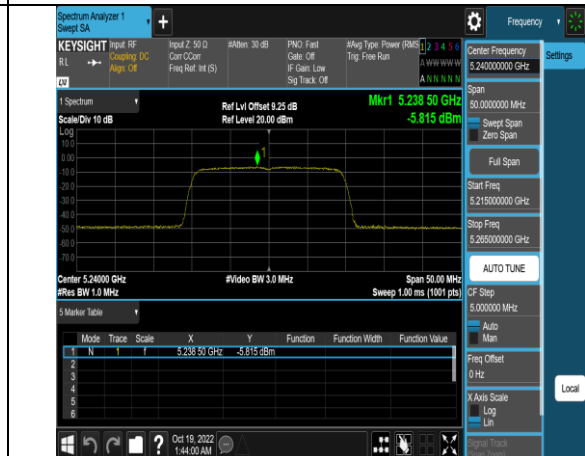
### Low CH 106/53



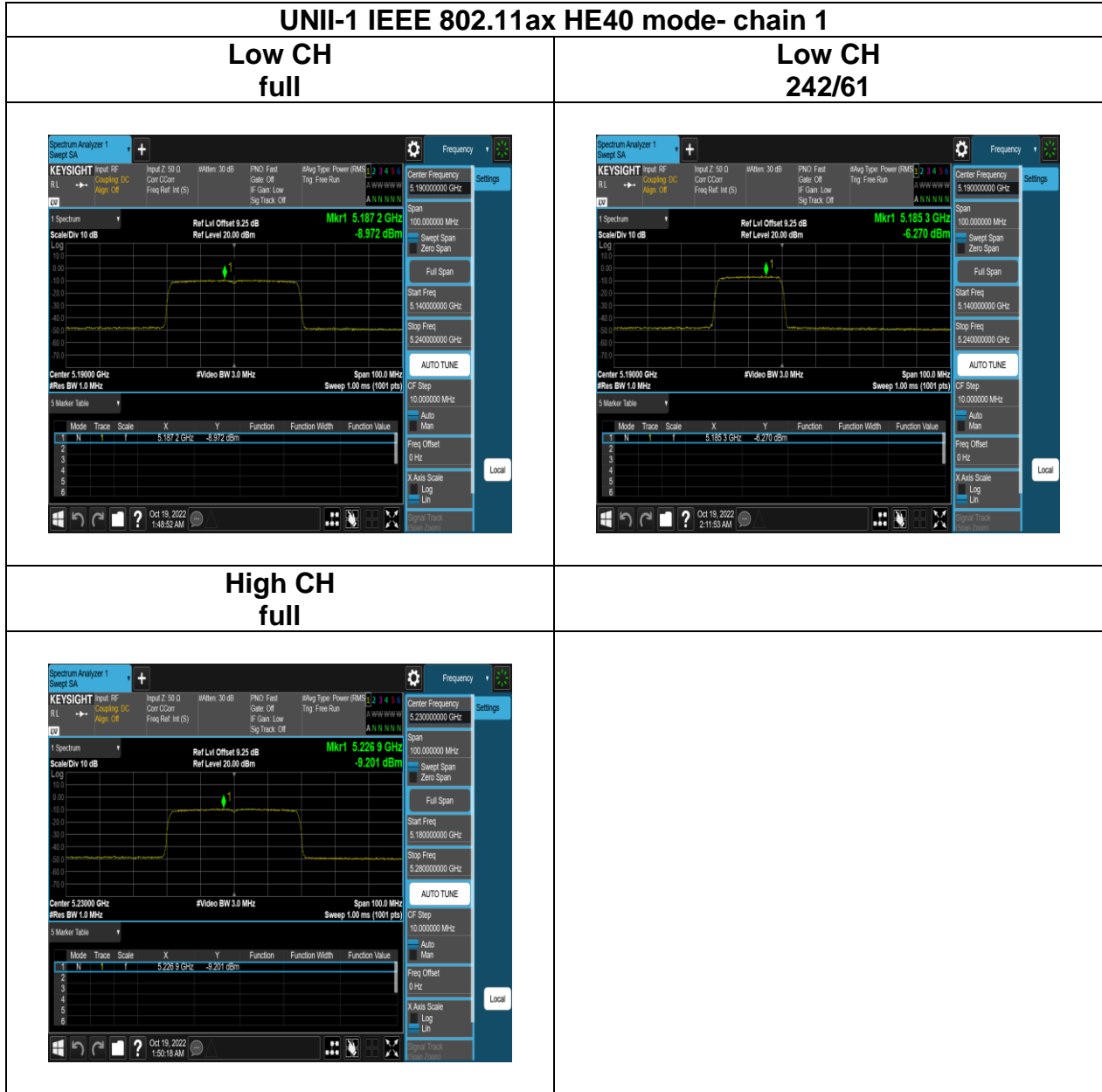
### Mid CH full



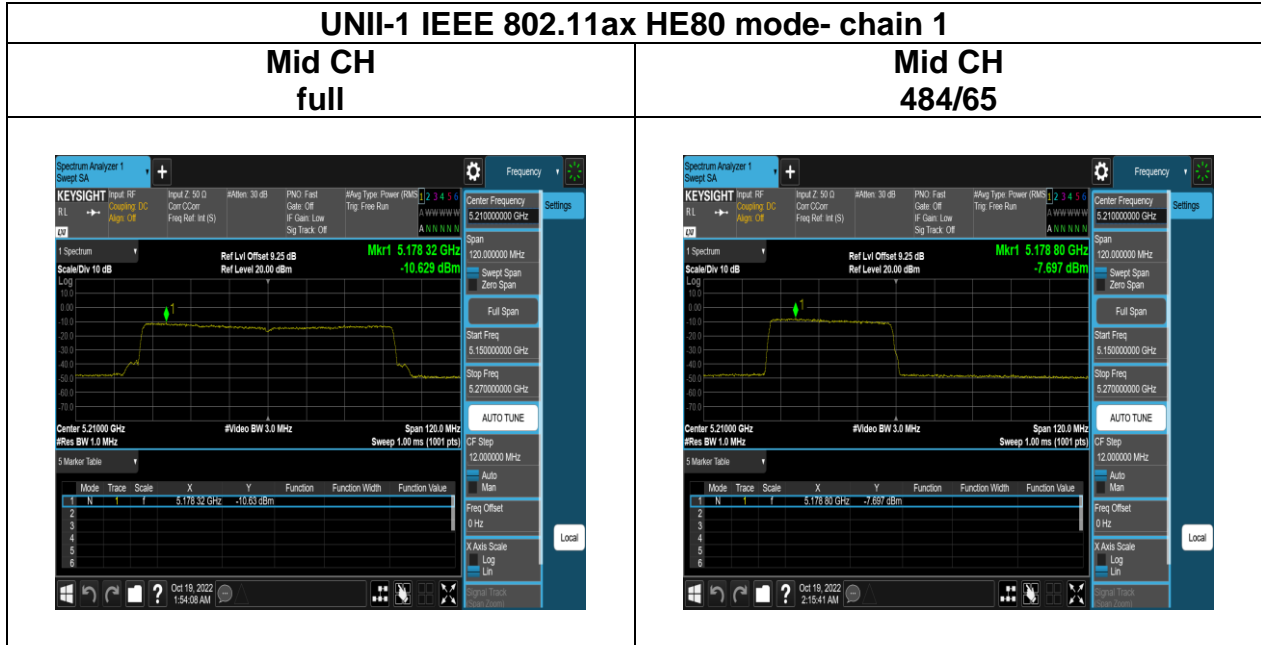
### High CH full



Report No.: TMWK2209003822KR

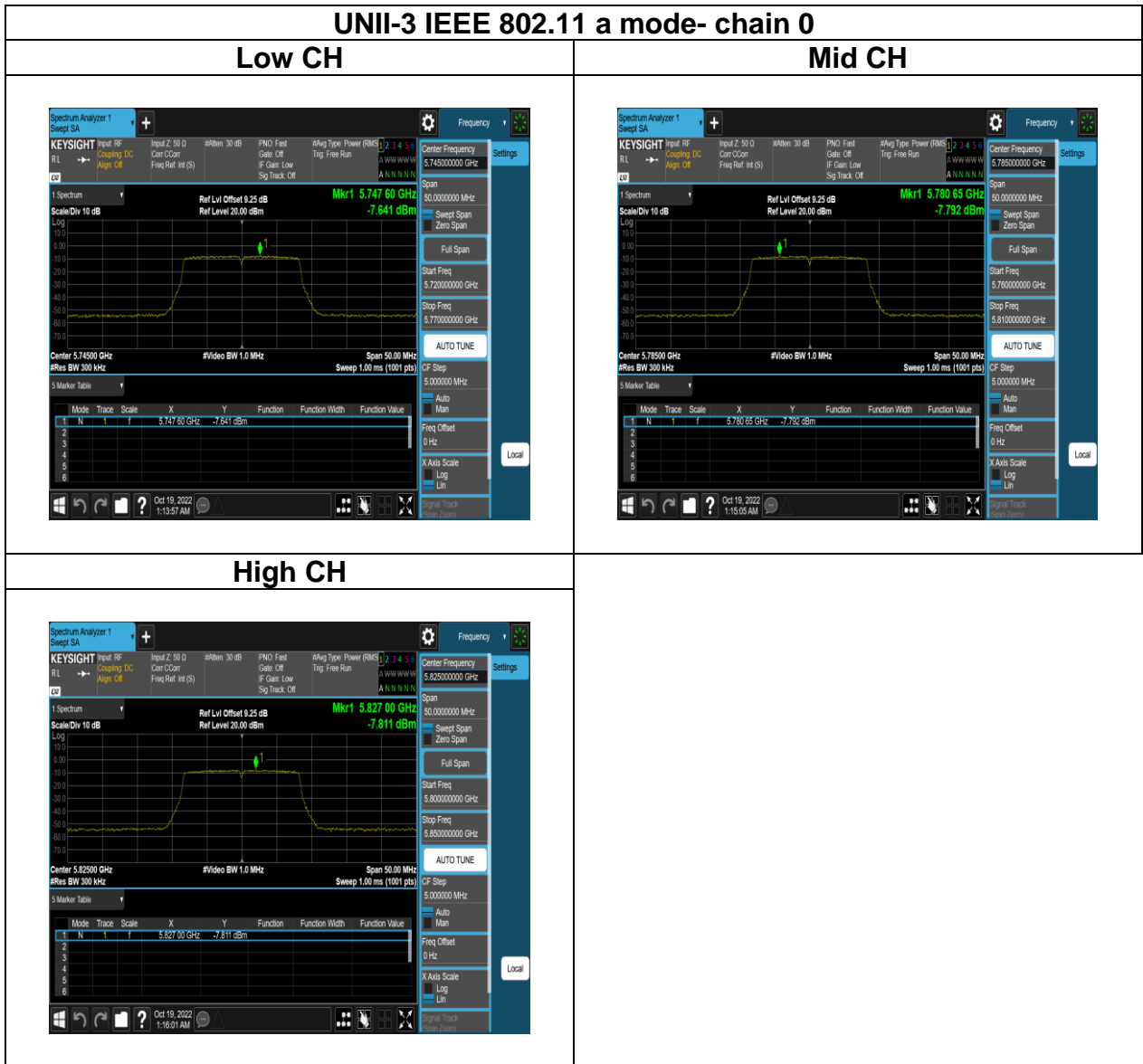


Report No.: TMWK2209003822KR



Report No.: TMWK2209003822KR

## Test Plots

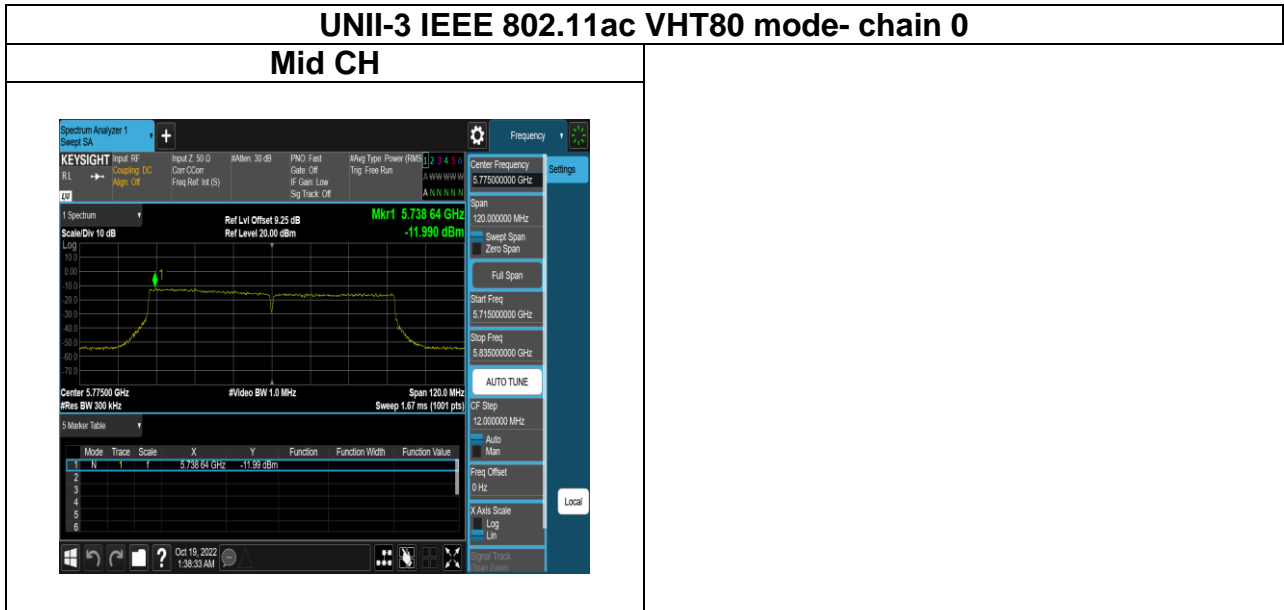
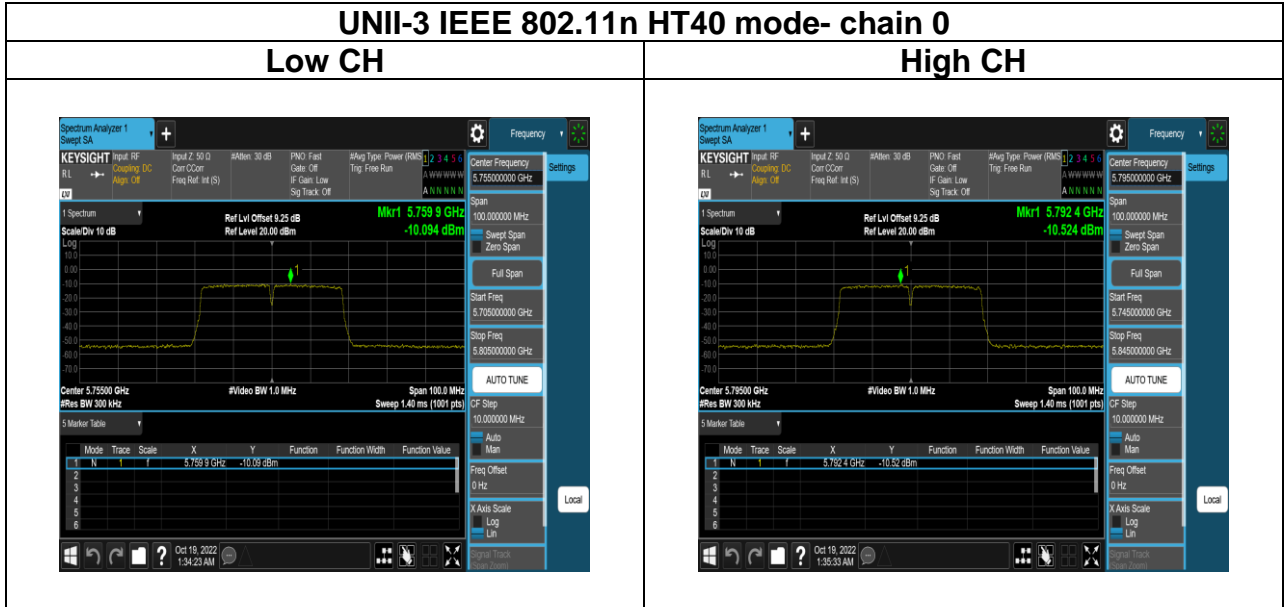




Report No.: TMWK2209003822KR

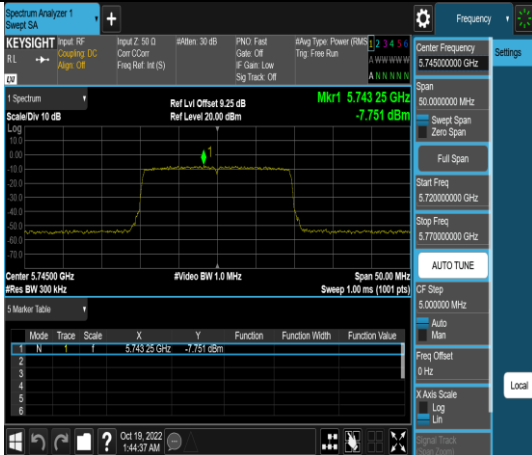


Report No.: TMWK2209003822KR



## UNII-3 IEEE 802.11ax HE20 mode- chain 0

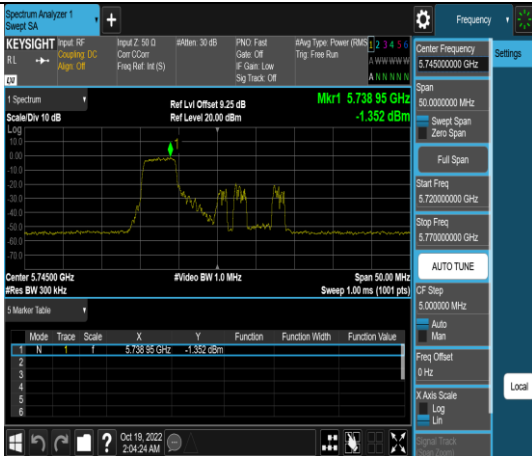
### Low CH full



### Low CH 26/0



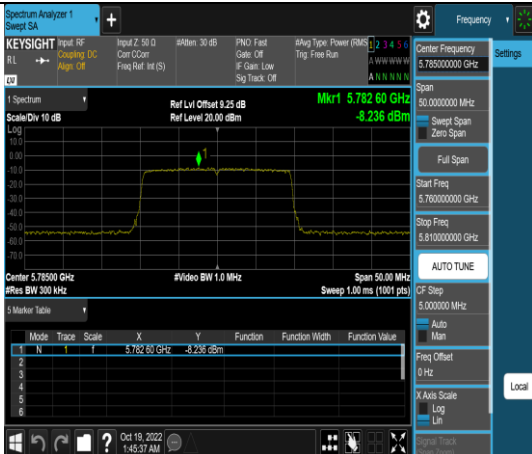
### Low CH 52/37



### Low CH 106/53



### Mid CH full



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**High CH  
full**



**High CH  
26/8**



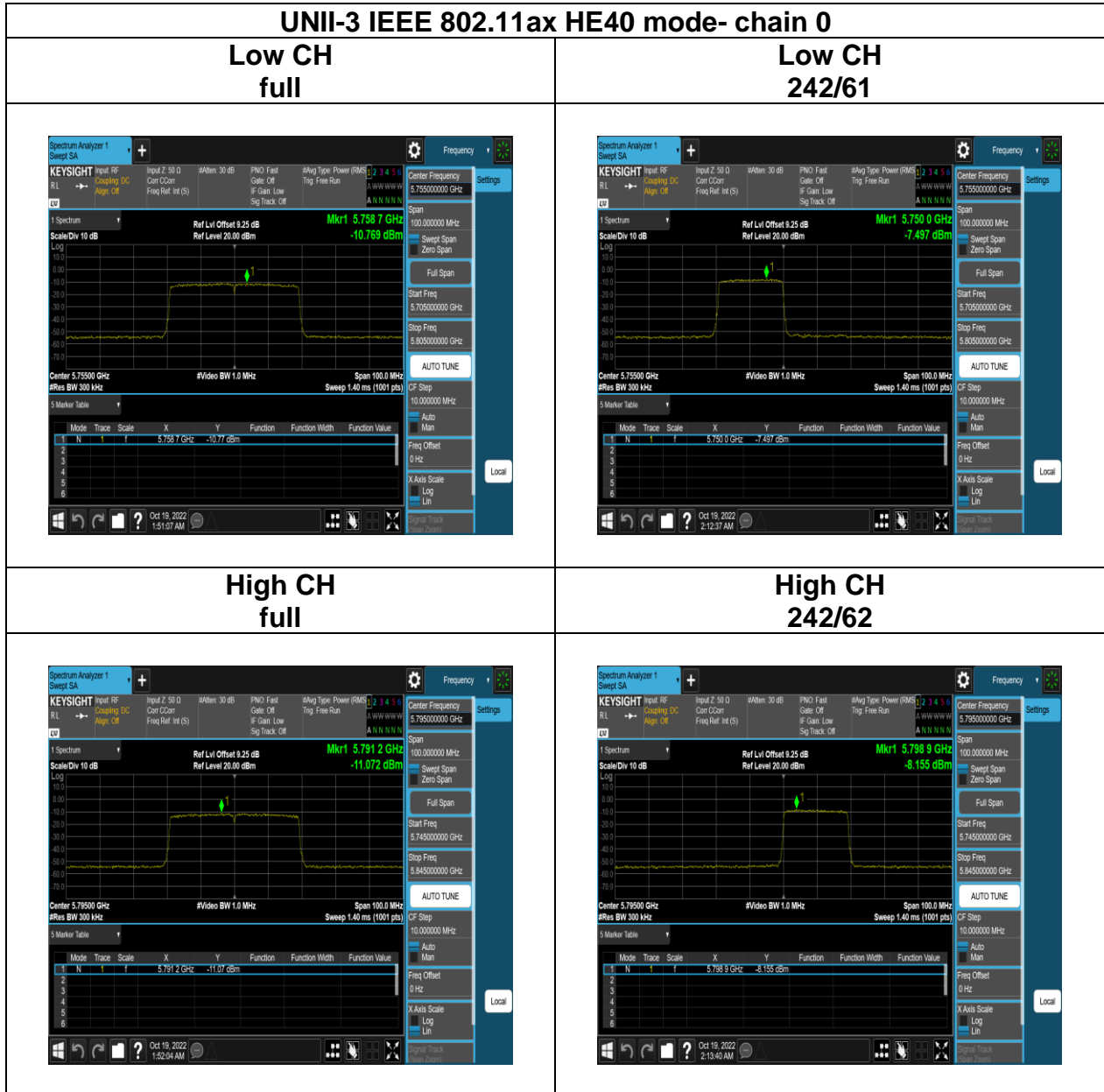
**High CH  
52/40**



**High CH  
106/54**



Report No.: TMWK2209003822KR



Report No.: TMWK2209003822KR



Report No.: TMWK2209003822KR

## UNII-3 IEEE 802.11 a mode- chain 1

### Low CH



### Mid CH



### High CH

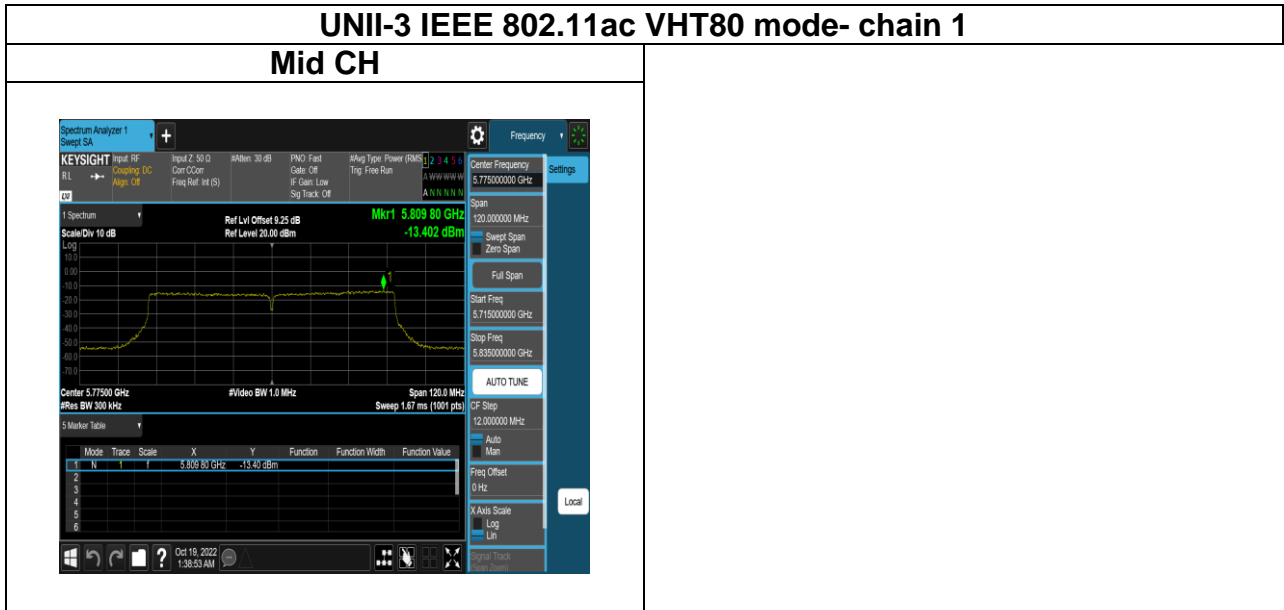
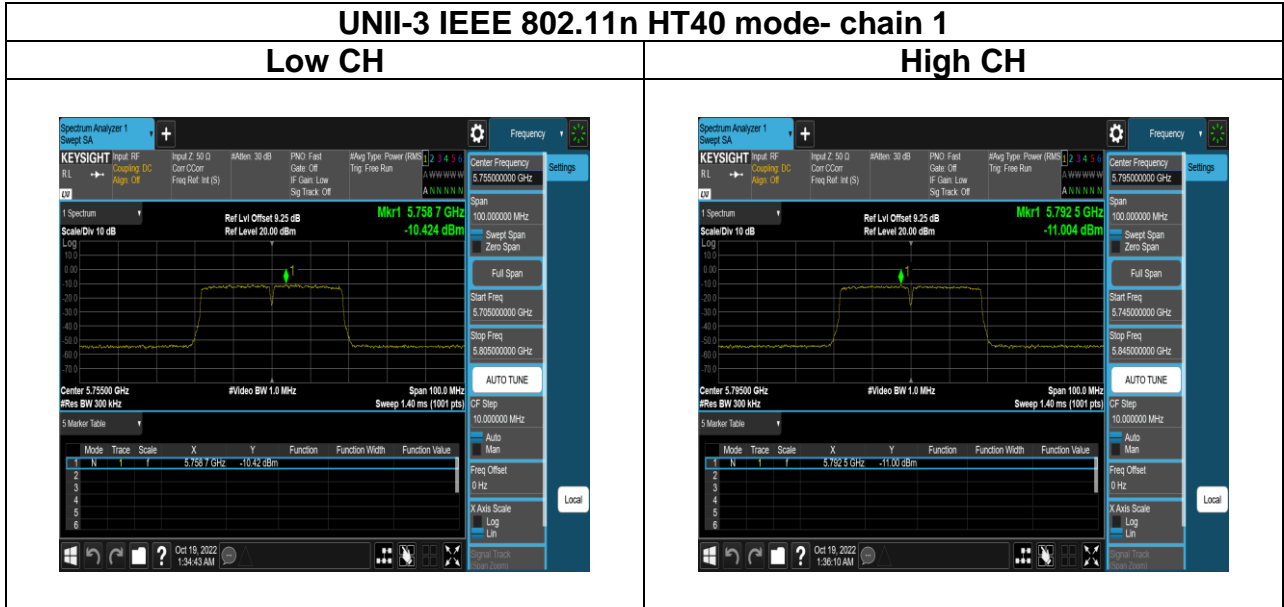


Report No.: TMWK2209003822KR





Report No.: TMWK2209003822KR



## UNII-3 IEEE 802.11ax HE20 mode- chain 1

### Low CH full



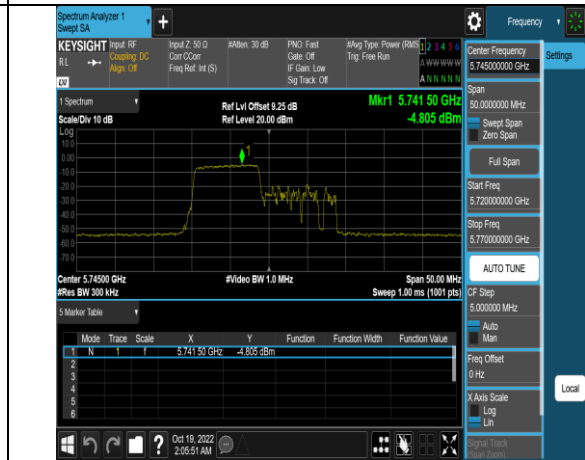
### Low CH 26/0



### Low CH 52/37



### Low CH 106/53

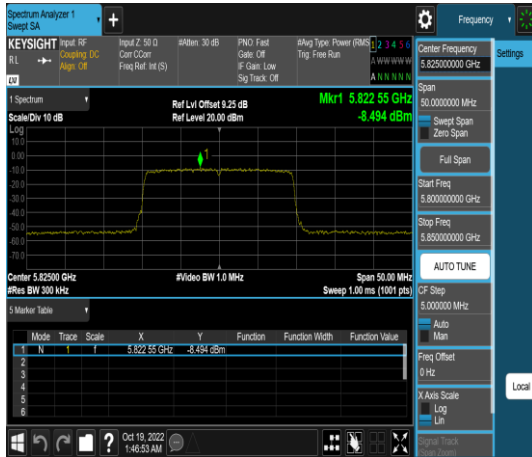


### Mid CH full

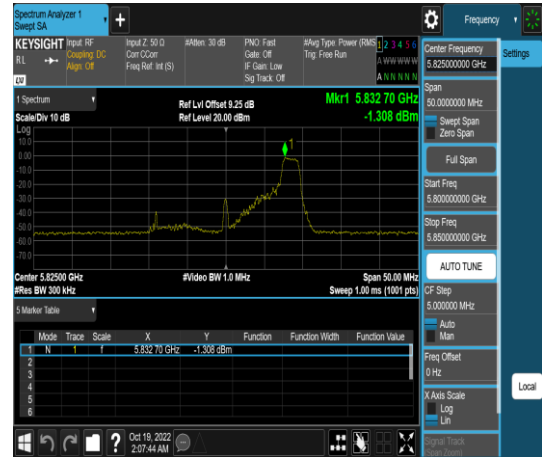


Report No.: TMWK2209003822KR

## High CH full



## High CH 26/8



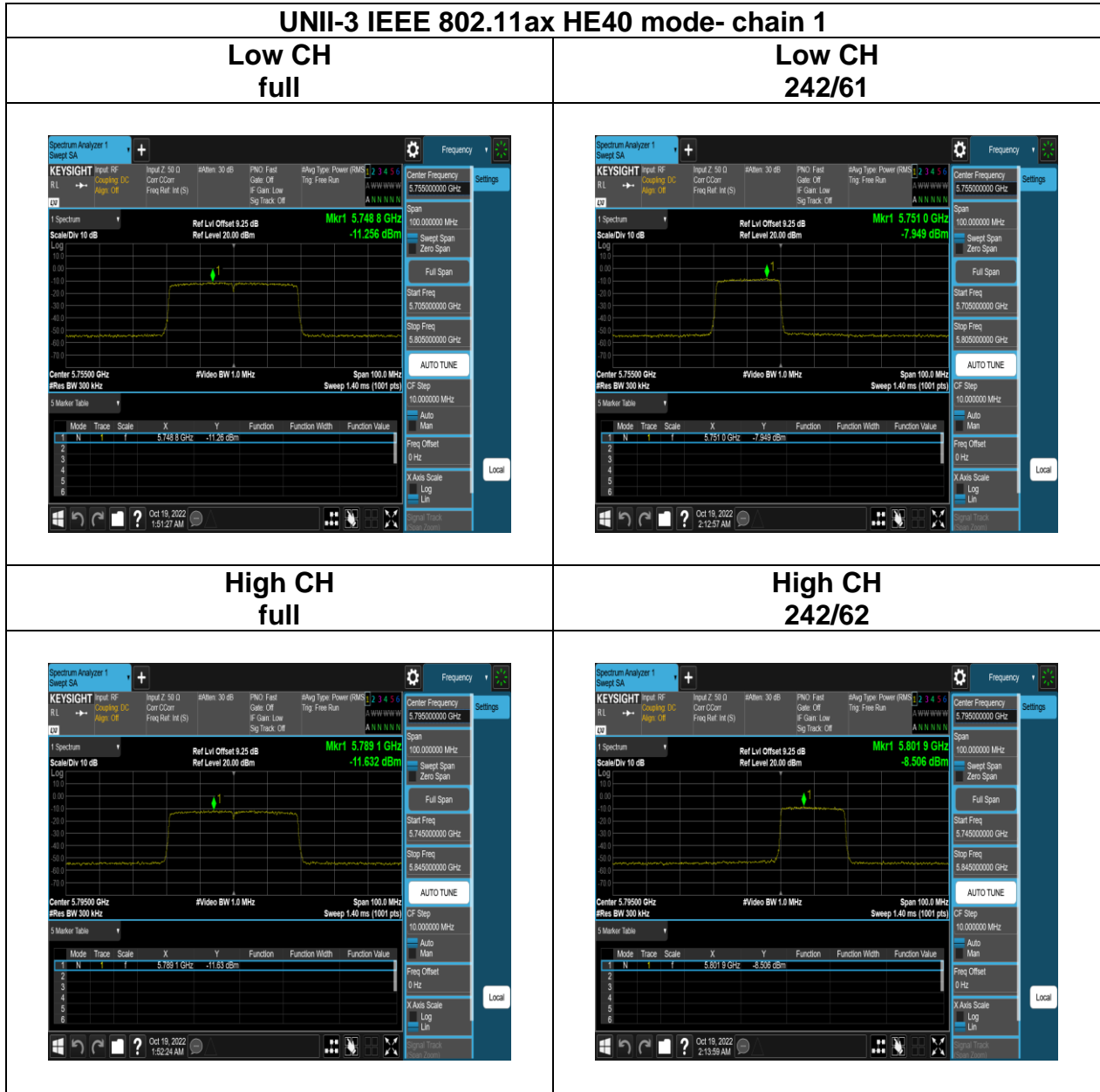
## High CH 52/40



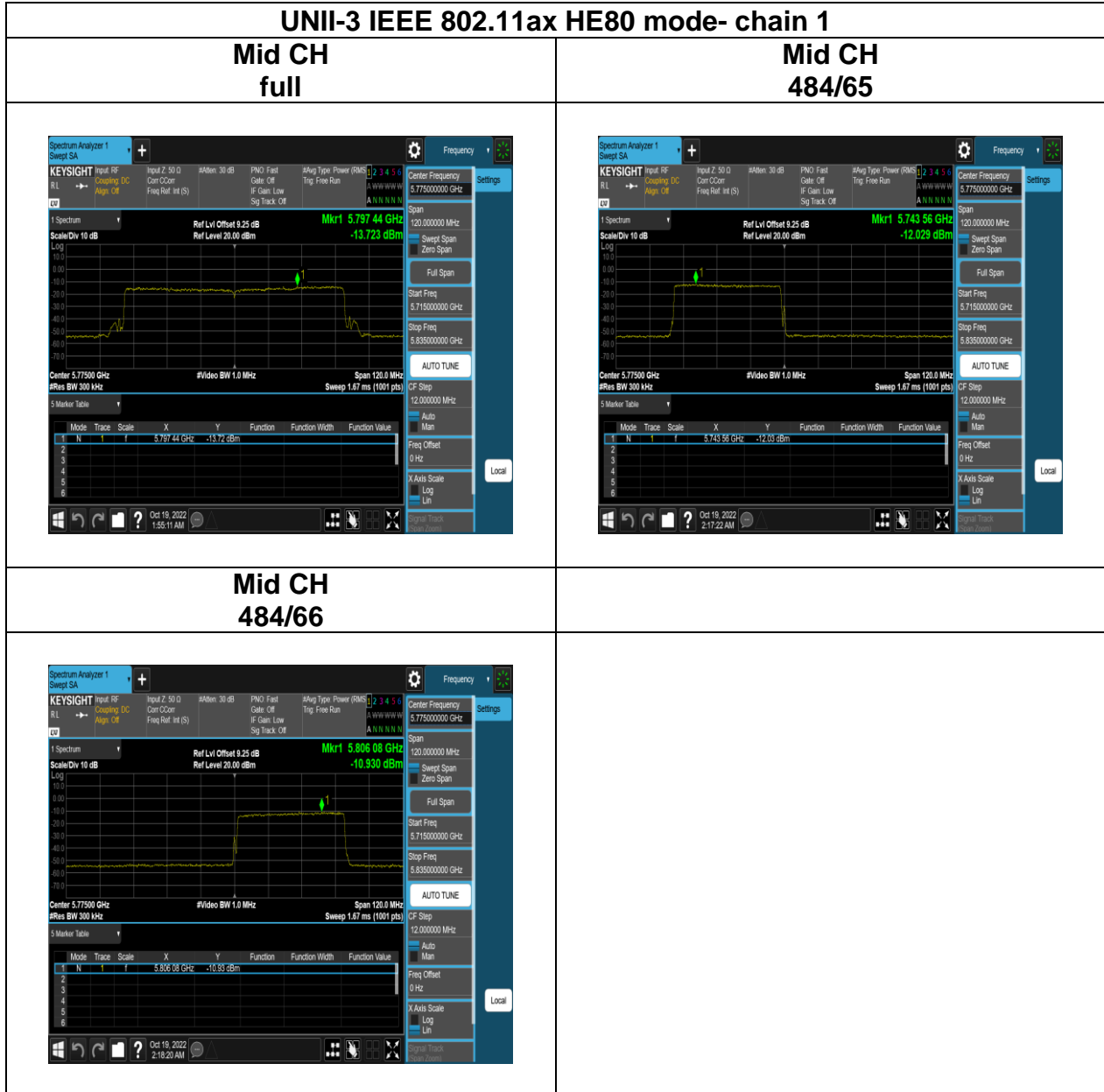
## High CH 106/54



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## 4.5 RADIATION BANDEDGE AND SPURIOUS EMISSION

### 4.5.1 Test Limit

According to §15.407, §15.209 and §15.205,

#### Below 30 MHz

Frequency	Field Strength (microvolts/m)	Magnetic H-Field (microamperes/m)	Measurement Distance (metres)
9-490 kHz	2,400/F (F in kHz)	2,400/F (F in kHz)	300
490-1,705 kHz	24,000/F (F in kHz)	24,000/F (F in kHz)	30
1.705-30 MHz	30	N/A	30

#### Above 30 MHz

Frequency (MHz)	Field Strength microvolts/m at 3 metres (watts, e.i.r.p.)	
	Transmitters	Receivers
30-88	100 (3 nW)	100 (3 nW)
88-216	150 (6.8 nW)	150 (6.8 nW)
216-960	200 (12 nW)	200 (12 nW)
Above 960	500 (75 nW)	500 (75 nW)

#### UNII-1 :

For transmitters operating in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. However, any unwanted emissions that fall into the band 5250-5350 MHz must be 26 dBc, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth, above 5.25 GHz. Otherwise, the transmission is considered as intentional and the devices shall implement dynamic frequency selection (DFS) and transmitter power control (TPC) as per the requirements for the band 5250-5350 MHz

#### UNII-3:

For the band 5725-5850 MHz, emissions at frequencies from the band edges to 10 MHz above or below the band edges shall not exceed -17 dBm/MHz e.i.r.p. For emissions at frequencies more than 10 MHz above or below the band edges, the emissions power shall not exceed -27 dBm/MHz

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## 4.5.2 Test Procedure

Test method Refer as KDB 789033 D02.

1. The EUT is placed on a turntable, Above 1 GHz is 1.5m and below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10: 2013, and the EUT set in a continuous mode.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And EUT is set 3m away from the receiving antenna, which is scanned from 1m to 4m above the ground plane to find out the highest emissions. Measurement are made polarized in both the vertical and the horizontal positions with antenna.
3. Span shall wide enough to full capture the emission measured. The SA from 9kHz to 26.5GHz set to the low, Mid and High channels with the EUT transmit.
4. No emission found between lowest internal used/generated frequency to 30MHz (9KHz~30MHz)
5. The SA setting following :
  - (1) Below 1G : RBW = 100kHz, VBW  $\geq 3 \times$  RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
  - (2) Above 1G :
    - (2.1) For Peak measurement : RBW = 1MHz, VBW  $\geq 3$  RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
    - (2.2) For Average measurement : RBW = 1MHz, VBW
      - If Duty Cycle  $\geq 98\%$ , VBW=10Hz.
      - If Duty Cycle  $< 98\%$ , VBW=1/T.

### 6. Data result

Actual FS=Spectrum Reading Level + Factor

Margin=Actual FS- Limit