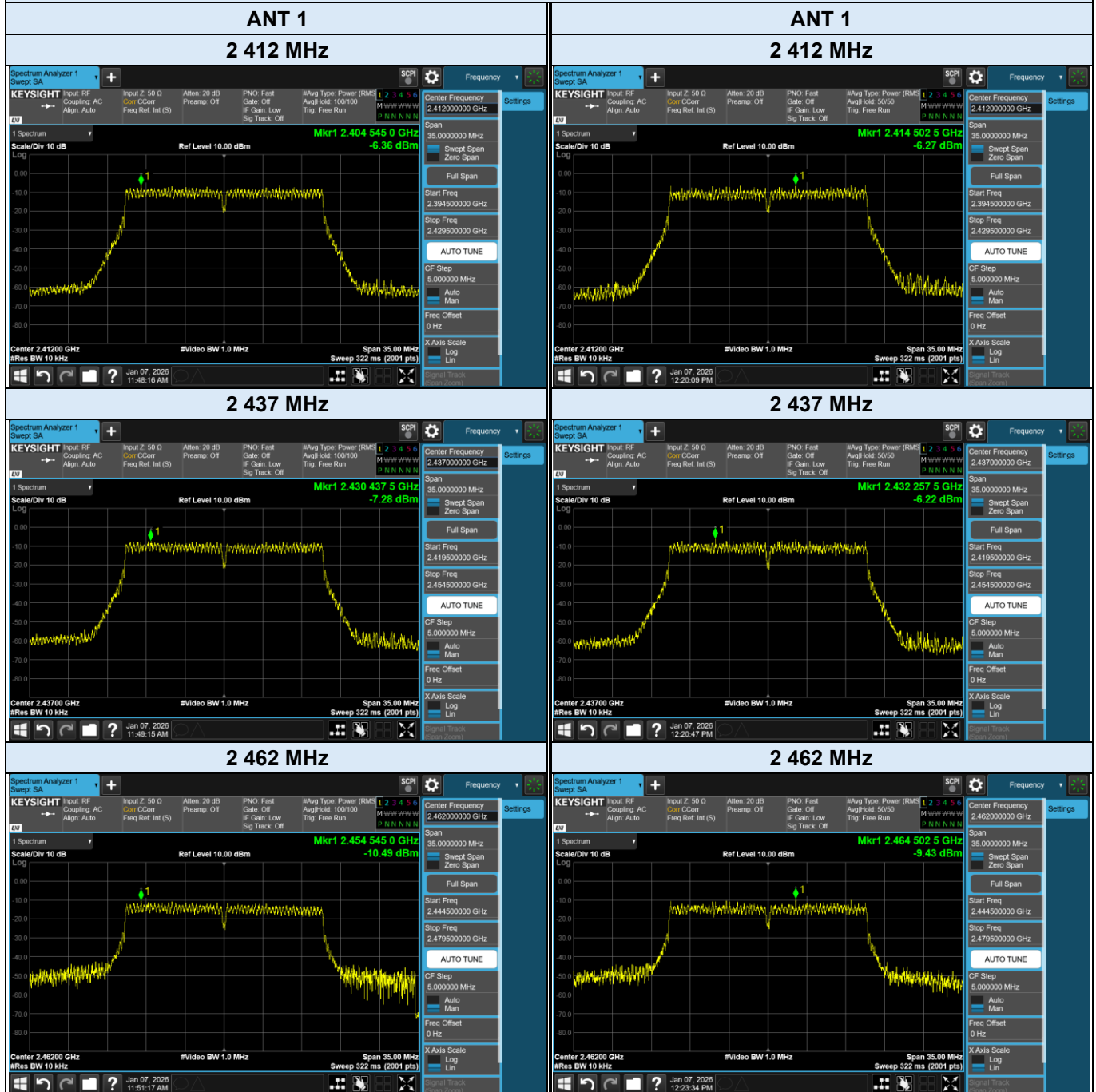




802.11n20 \_ MIMO

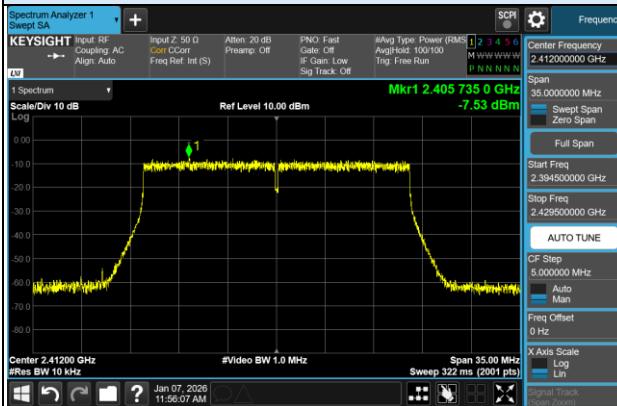




802.11be20 \_ MIMO

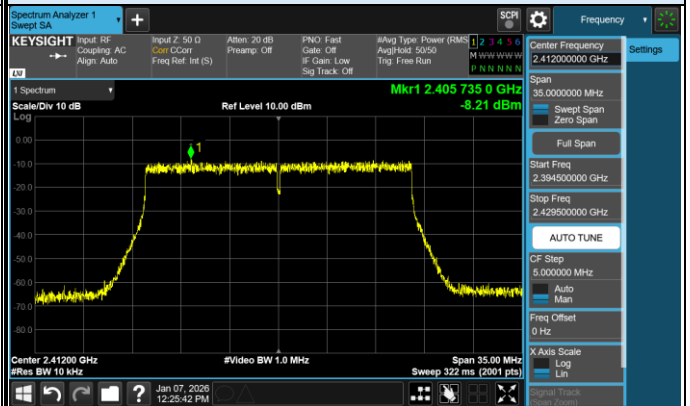
ANT 1

2 412 MHz

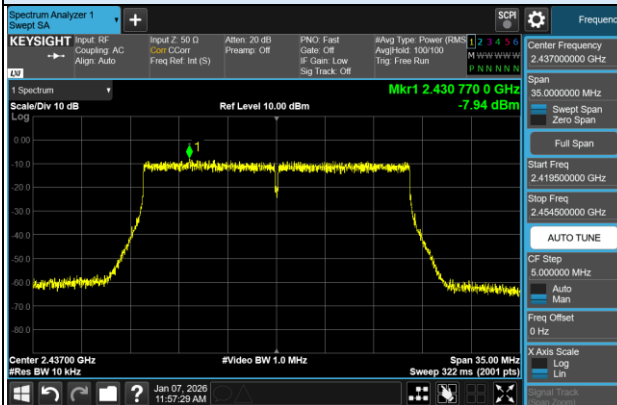


ANT 2

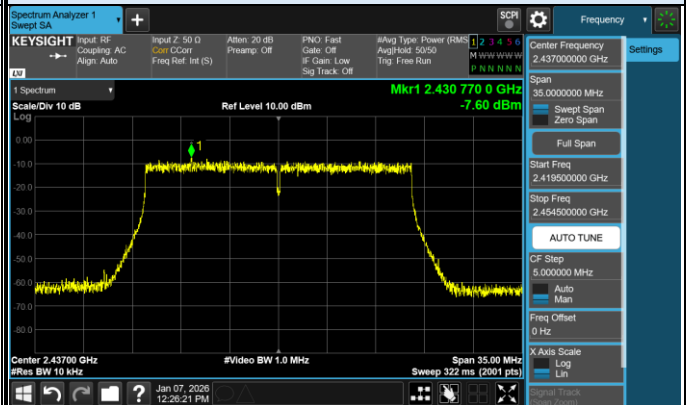
2 412 MHz



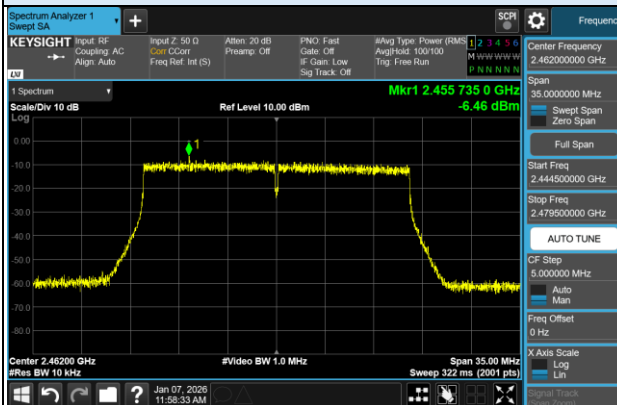
2 437 MHz



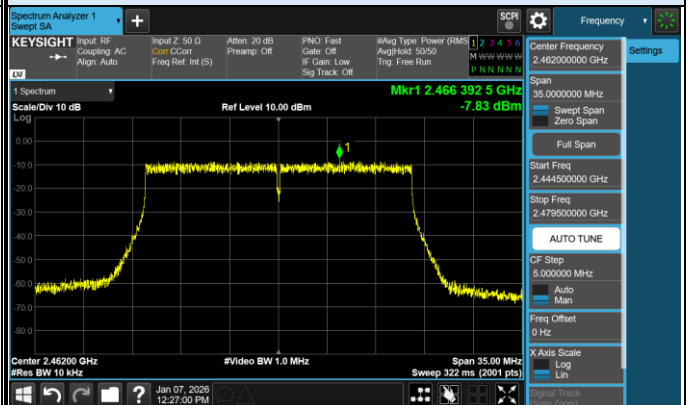
2 437 MHz



2 462 MHz



2 462 MHz





### 3.5 Conducted Spurious Emissions

#### 3.5.1 Regulation

Part. 15.247(d)

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

#### 3.5.2 Conducted Band edge Test Procedure

The transmitter output is connected to the Spectrum Analyzer and used following test procedure of ANSI C63.10-2020

1. Start and stop frequency were set such that the band edge would be placed in the center of the polot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. Set RBW = 100 kHz
4. Set VBW  $\geq 3 \times$  RBW
5. Detector = Peak
6. Number of sweep points  $\geq 2 \times$  SPAN/RBW
7. Trace Mode = max hold

#### 3.5.3 Conducted Band edge Test Procedure

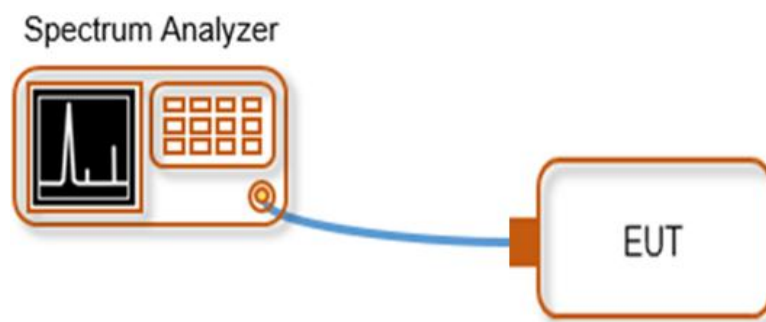
The transmitter output is connected to the Spectrum Analyzer and used following test procedure of ANSI c63.10-2020

1. Start was set to 30 MHz and stop was set to 25GHz.
2. Set RBW = 1 MHz
3. Set VBW  $\geq 3 \times$  RBW
4. Detector = Peak
5. Number of sweep points  $\geq 2 \times$  SPAN/RBW
6. Trace Mode = max hold

Out-of-band conducted spurious emissions were investigated for all data rates. However, the traces in the following plots are measured with a 1MHz RBW to reduce test time, so the display line may not necessarily appear to be 20dB below the level of the fundamental in a 1MHz bandwidth.

If there is no margin or non-conformity occurs, lower RBW to 100 kHz to proceed with the re-measurement.

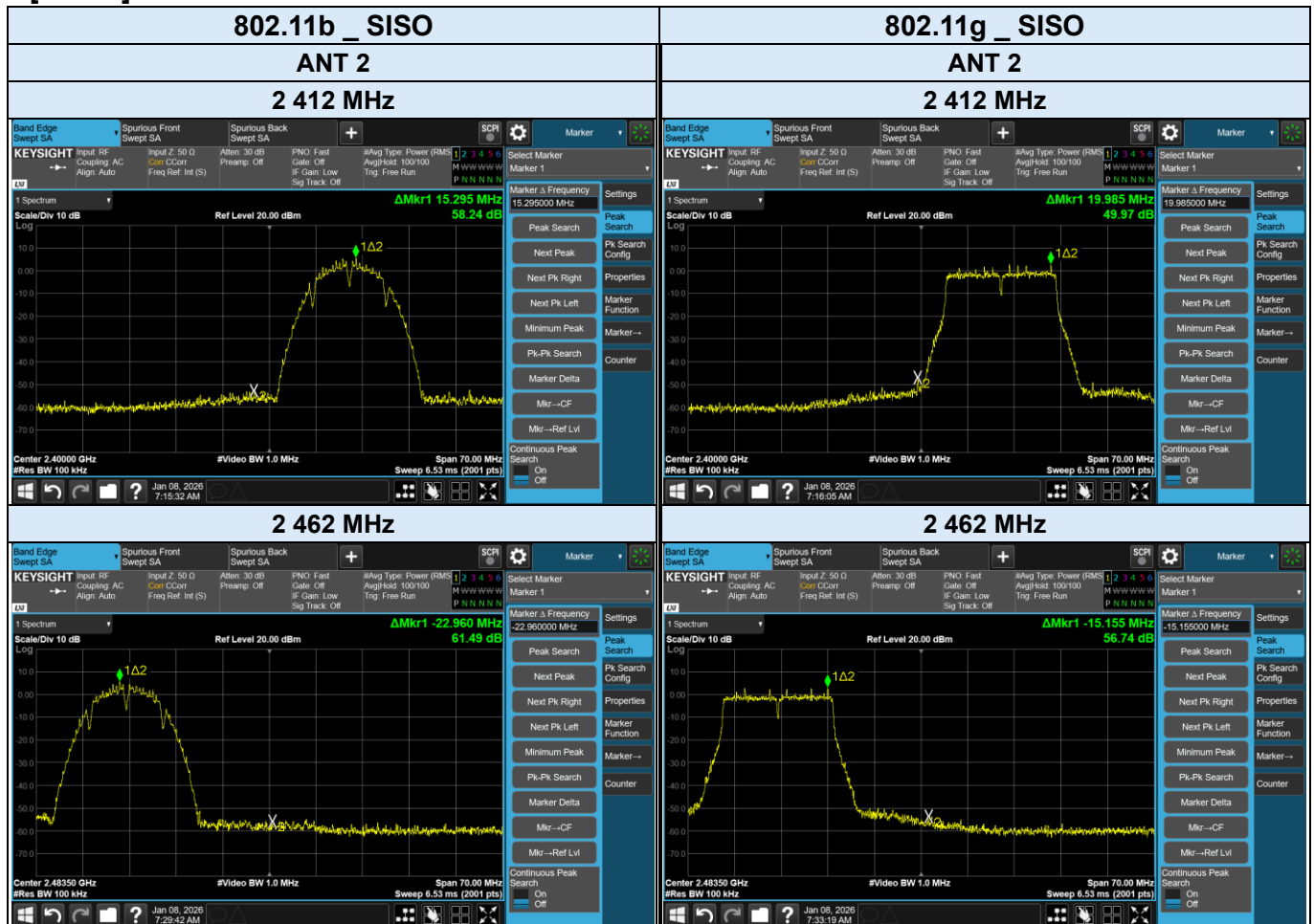
#### 3.5.4 Test Setup

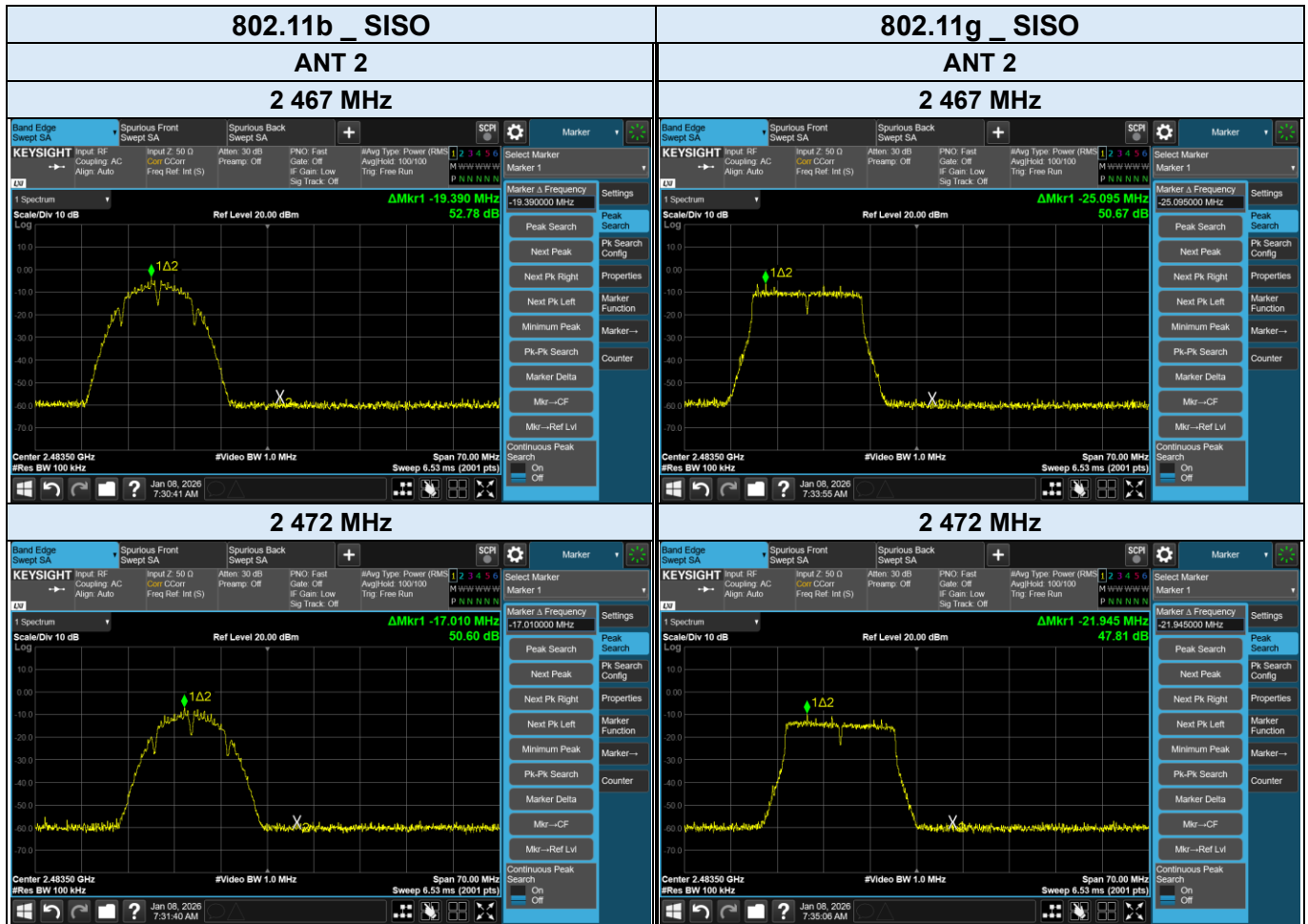


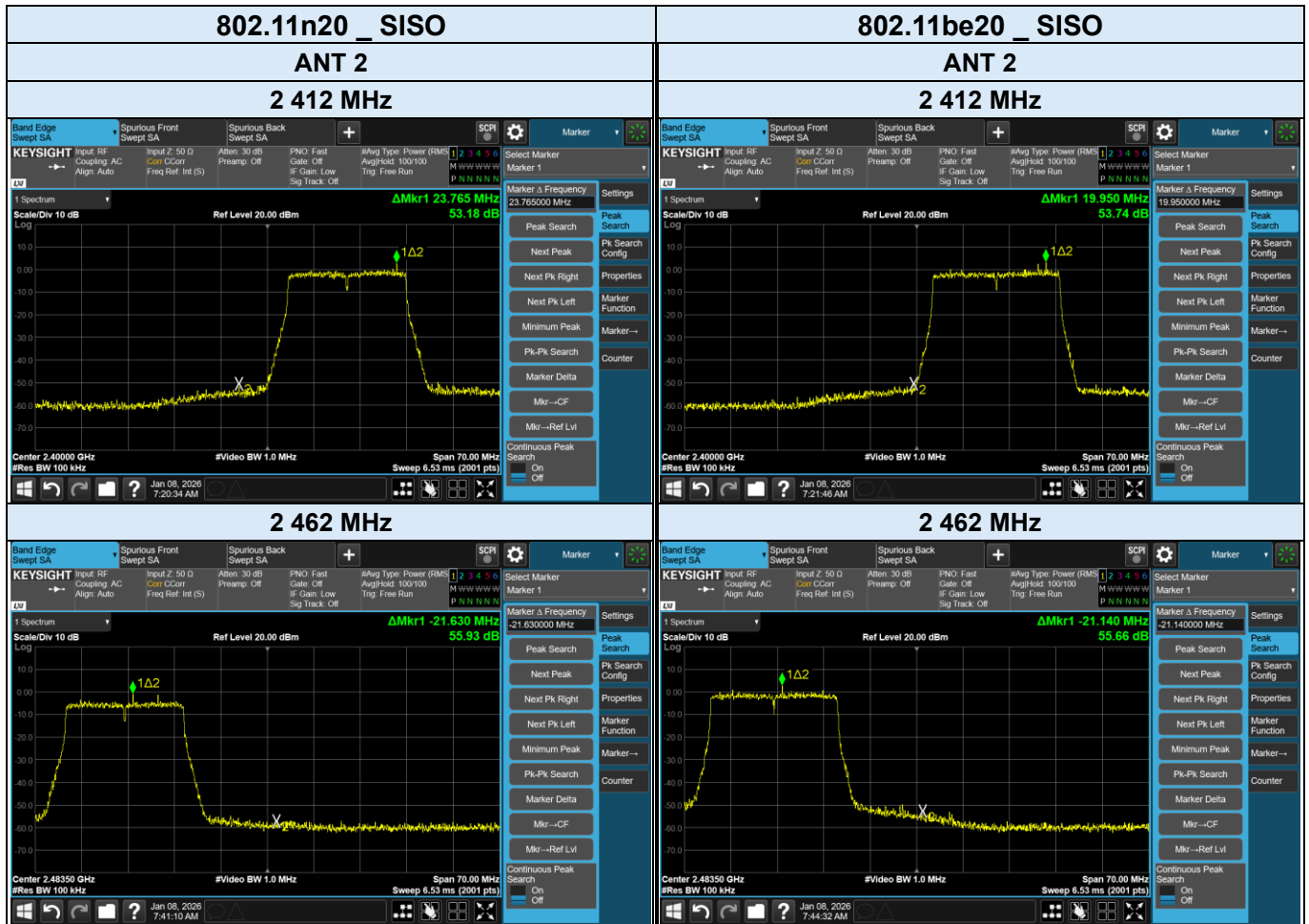
### 3.5.5 Test Result

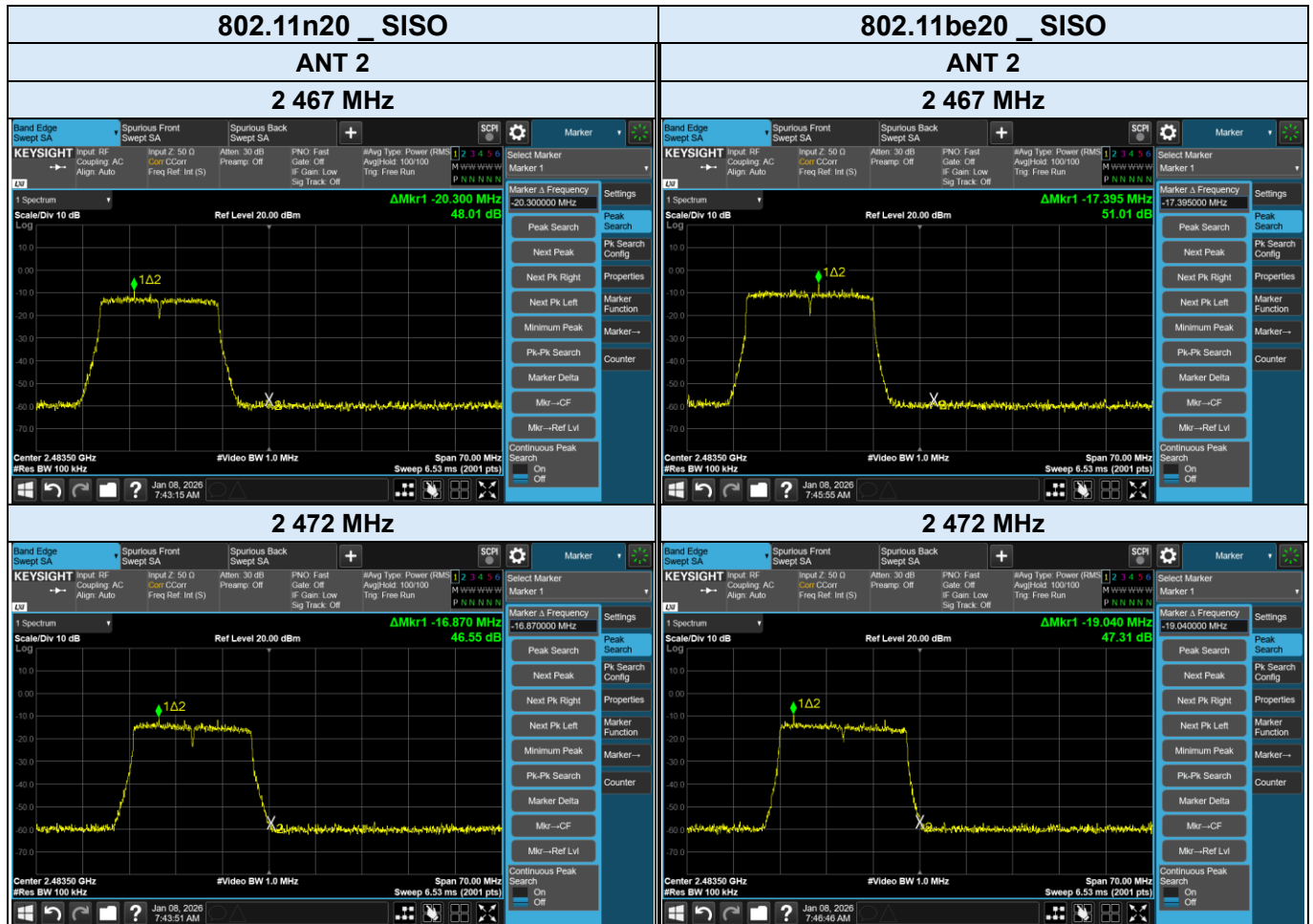
[Test Plot of Band Edge]

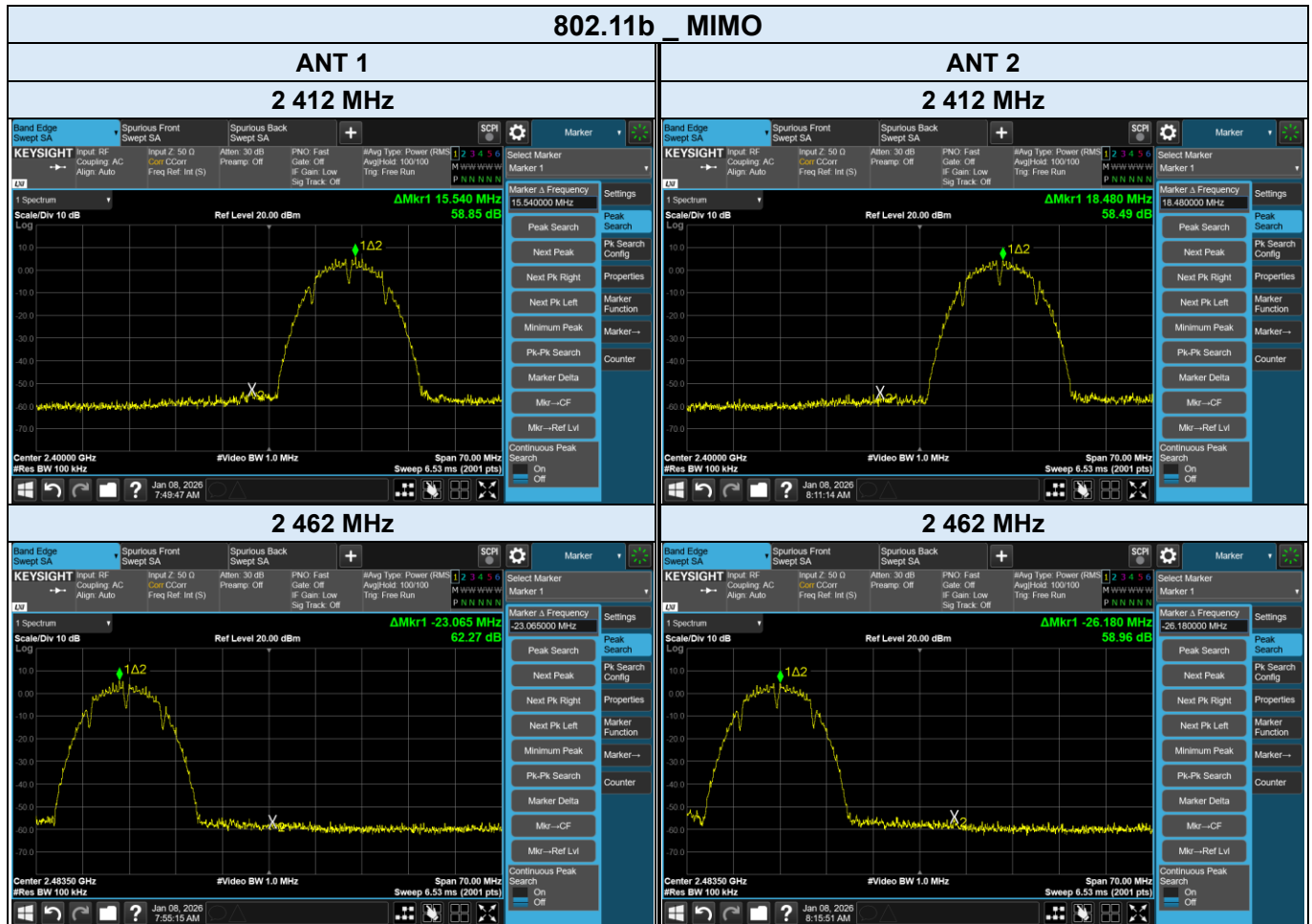
[OFDM]

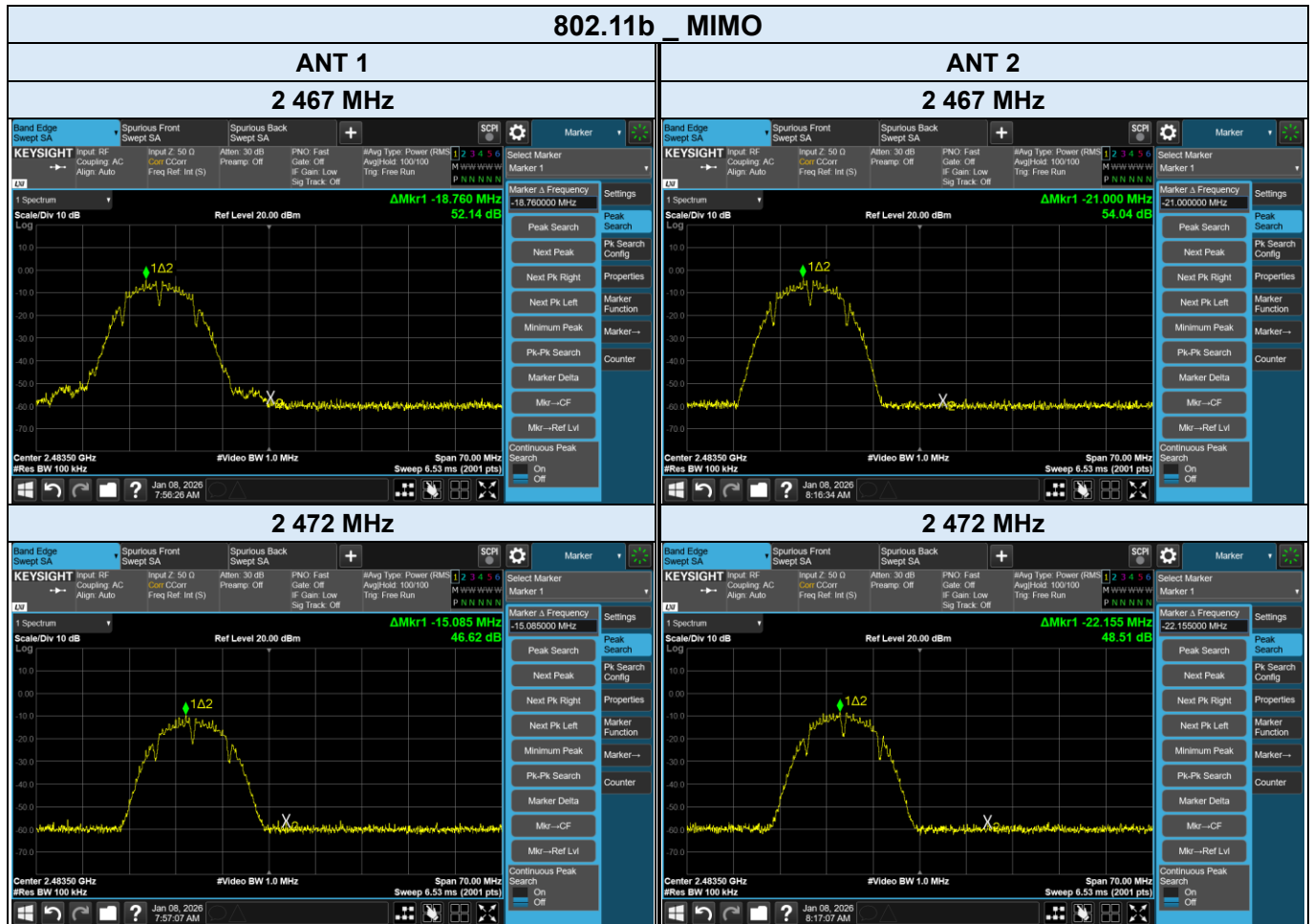


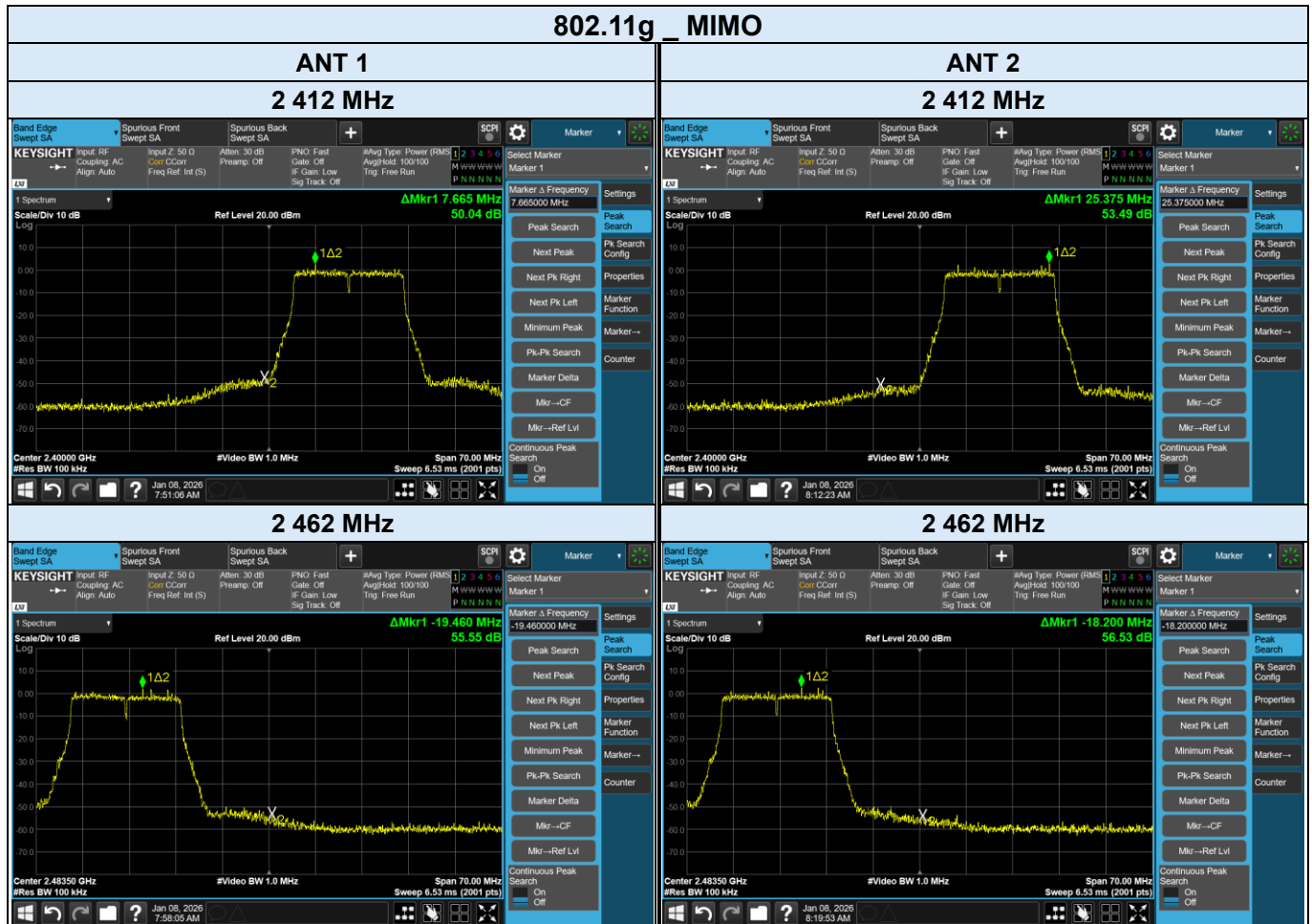


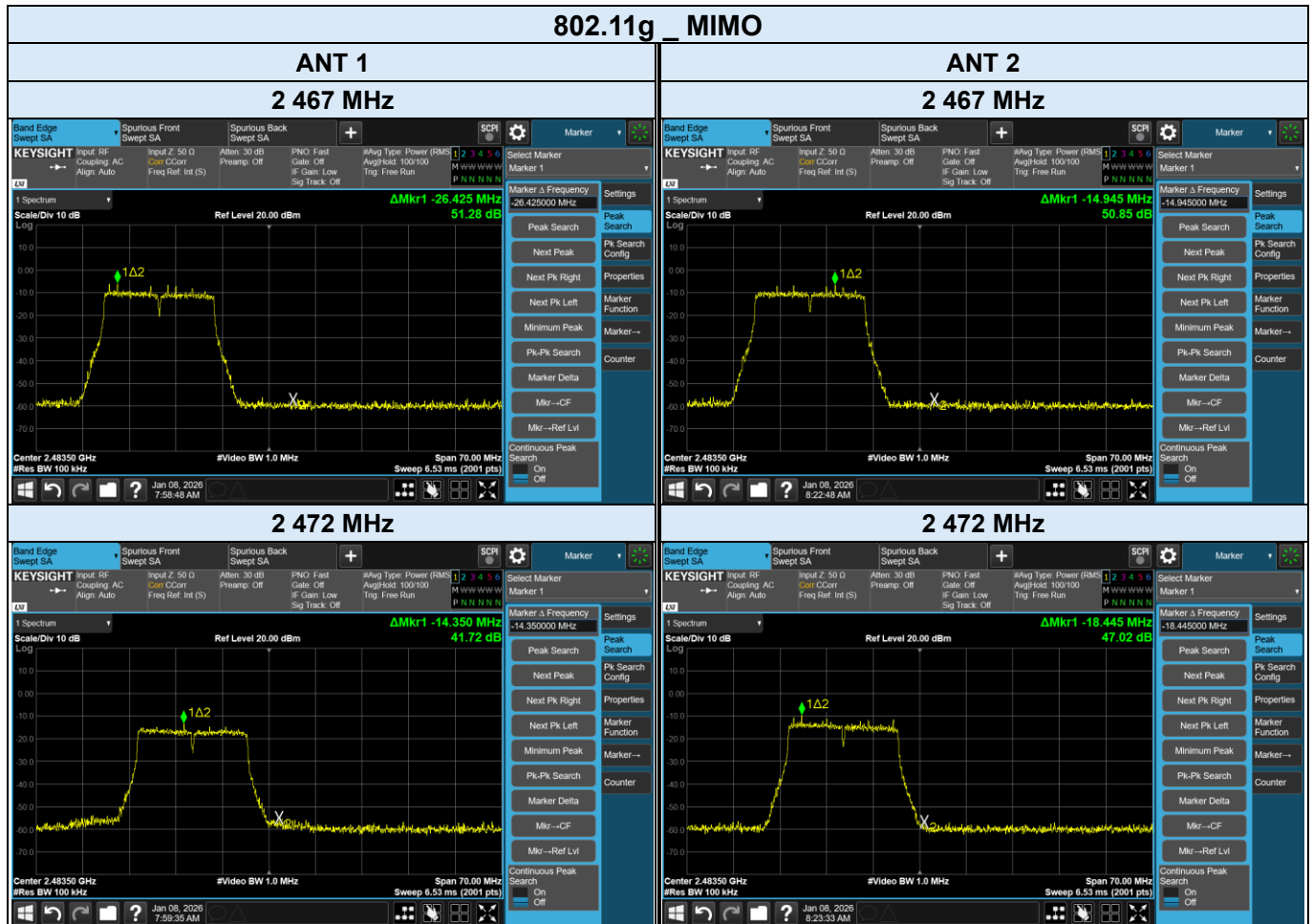


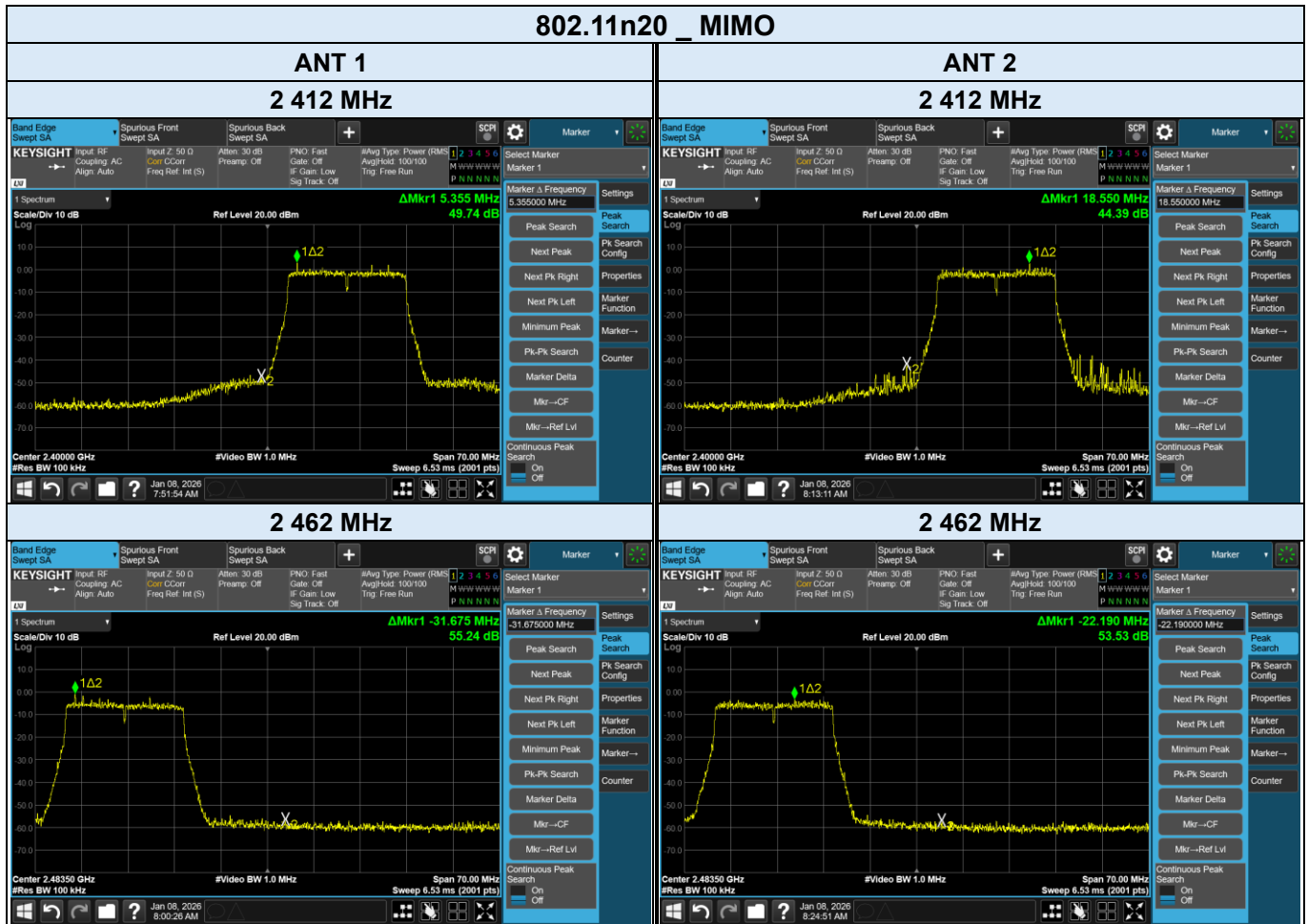


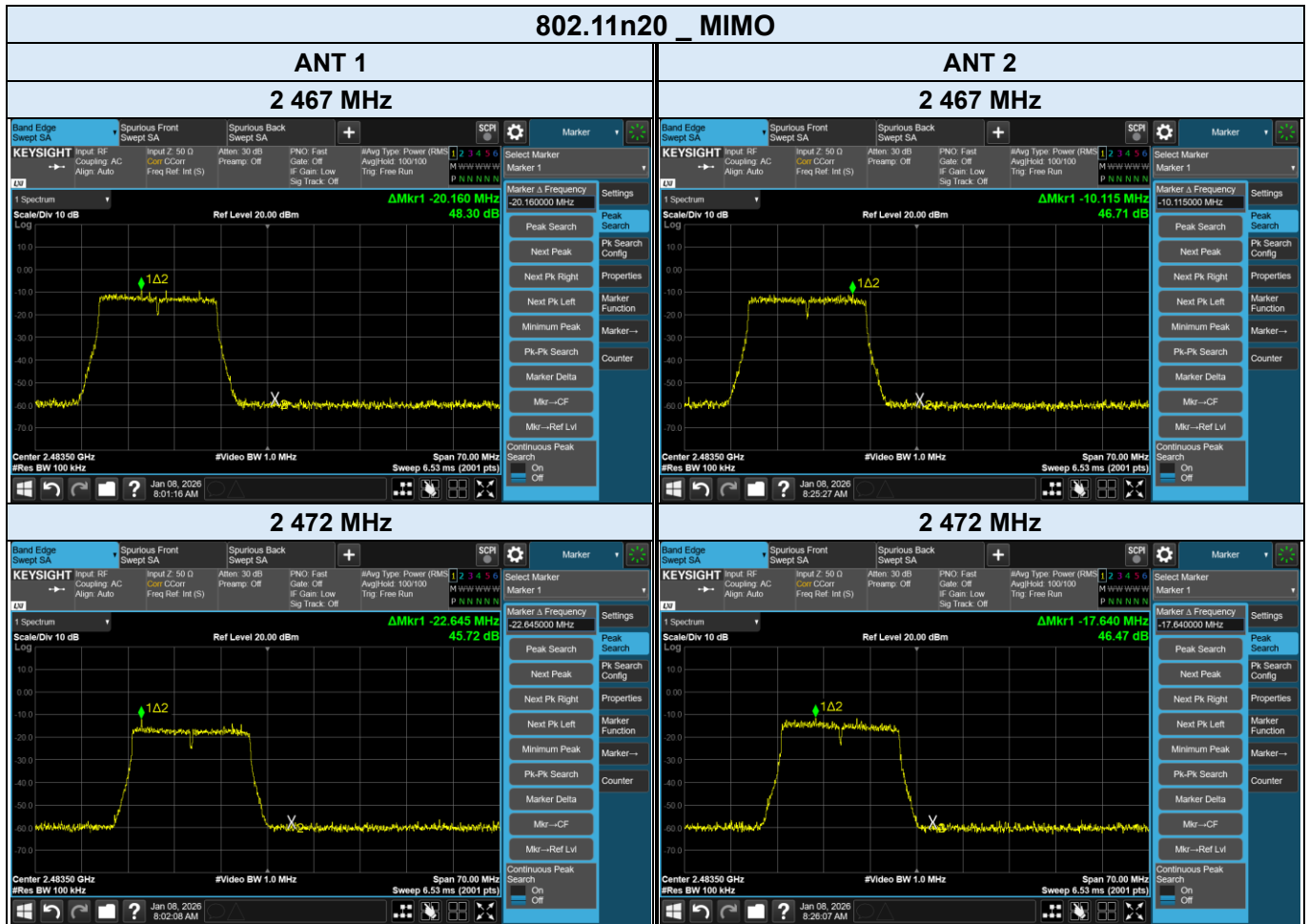


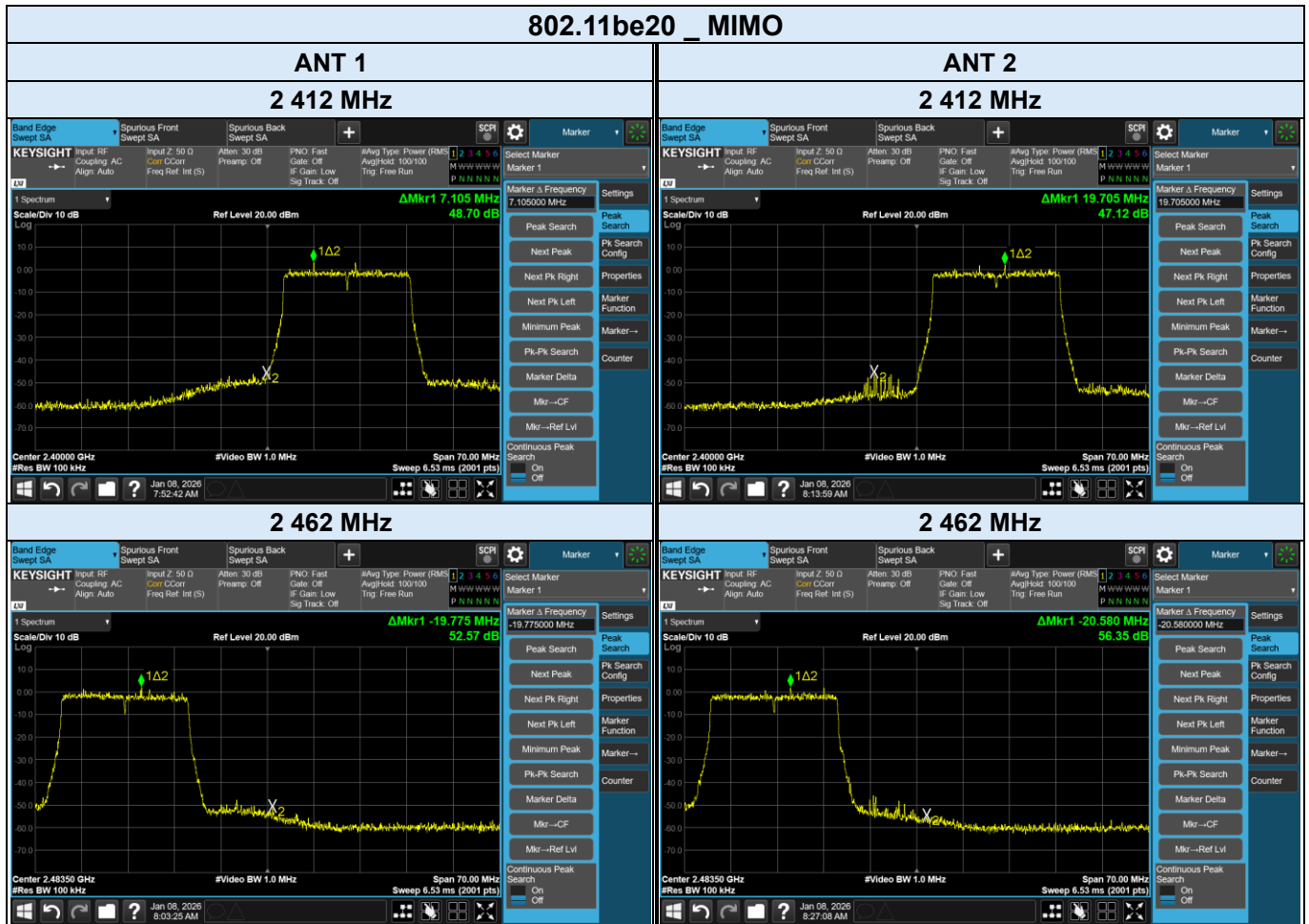


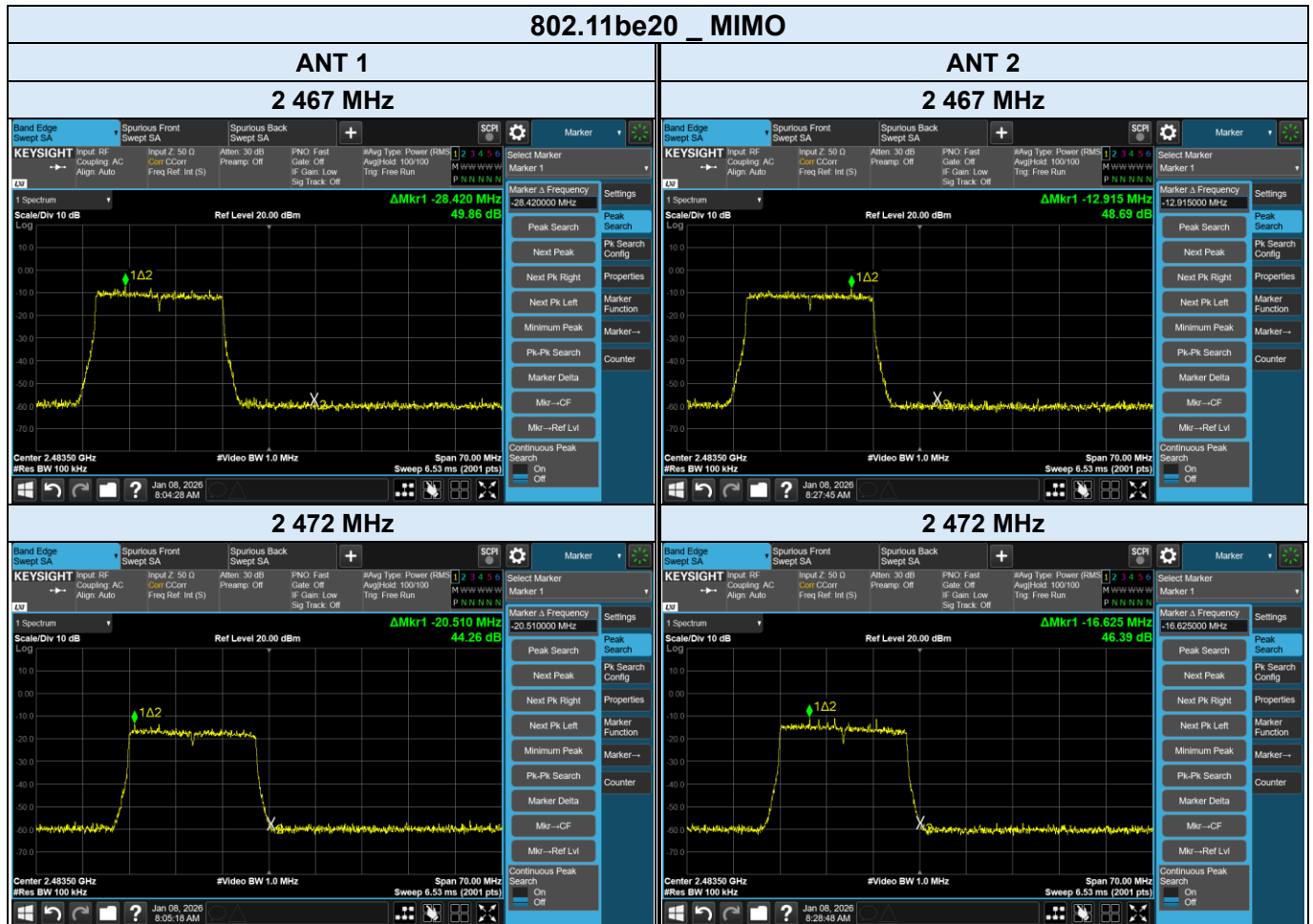














[OFDMA \_ RU & MRU]

