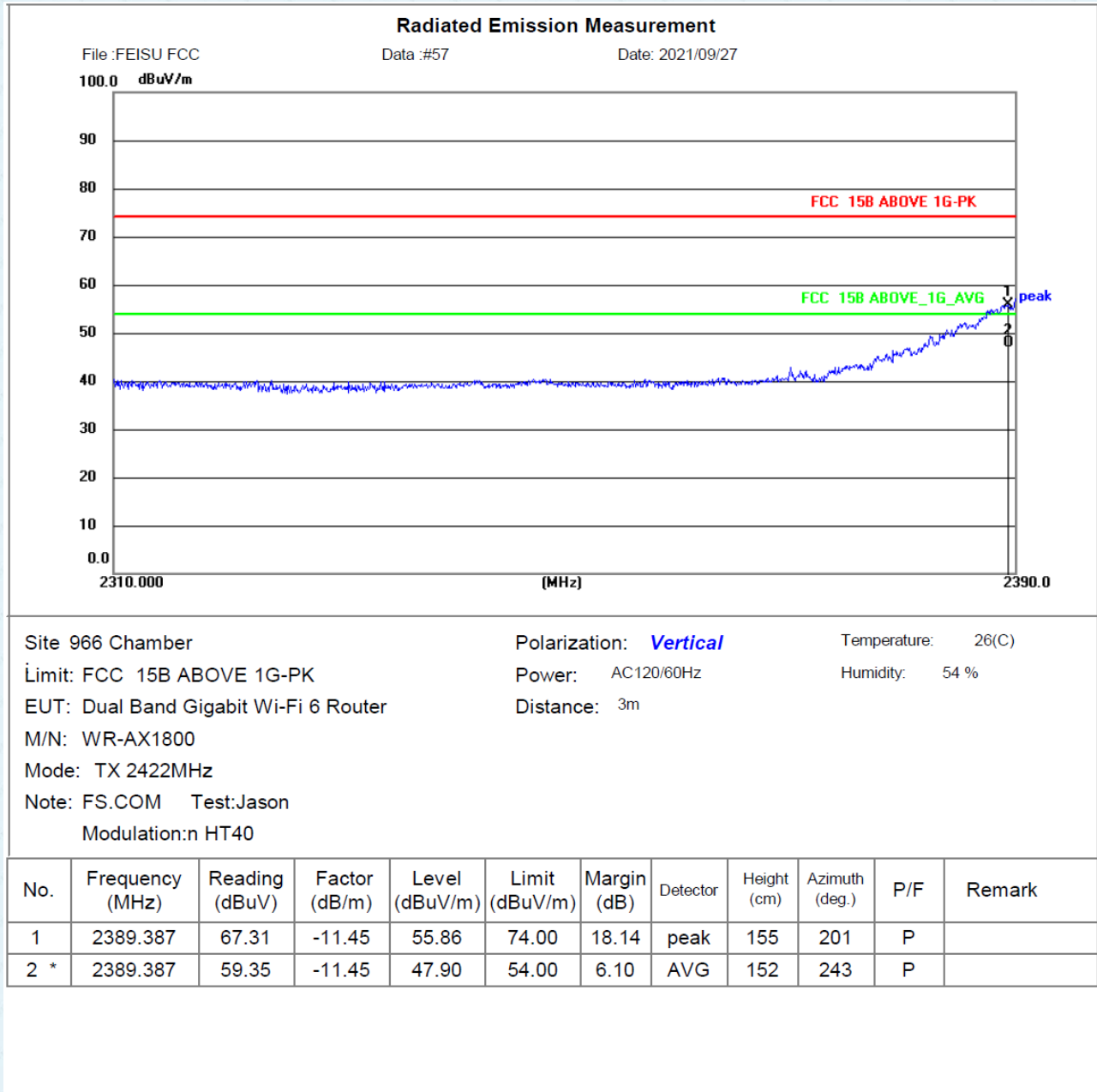
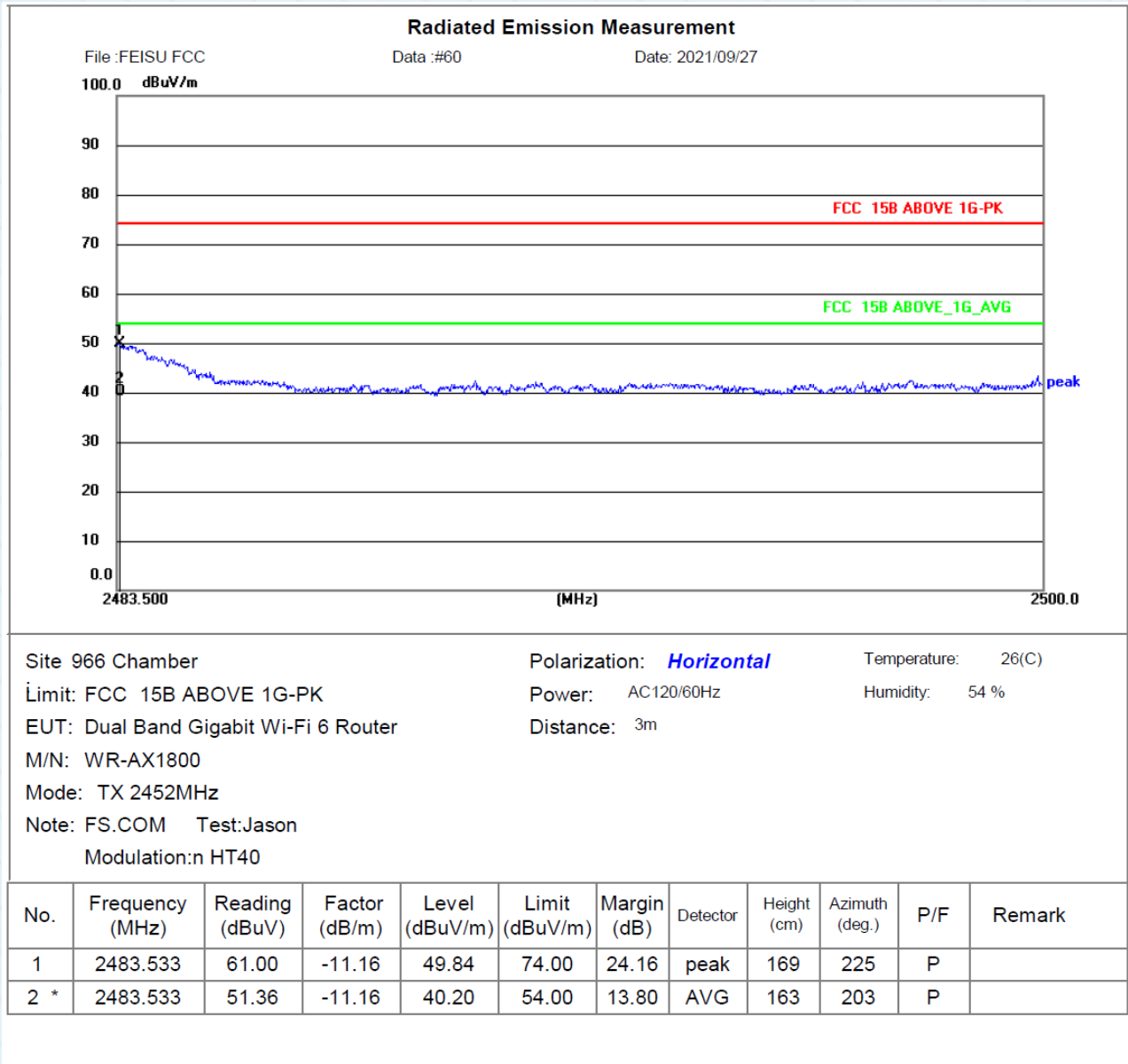


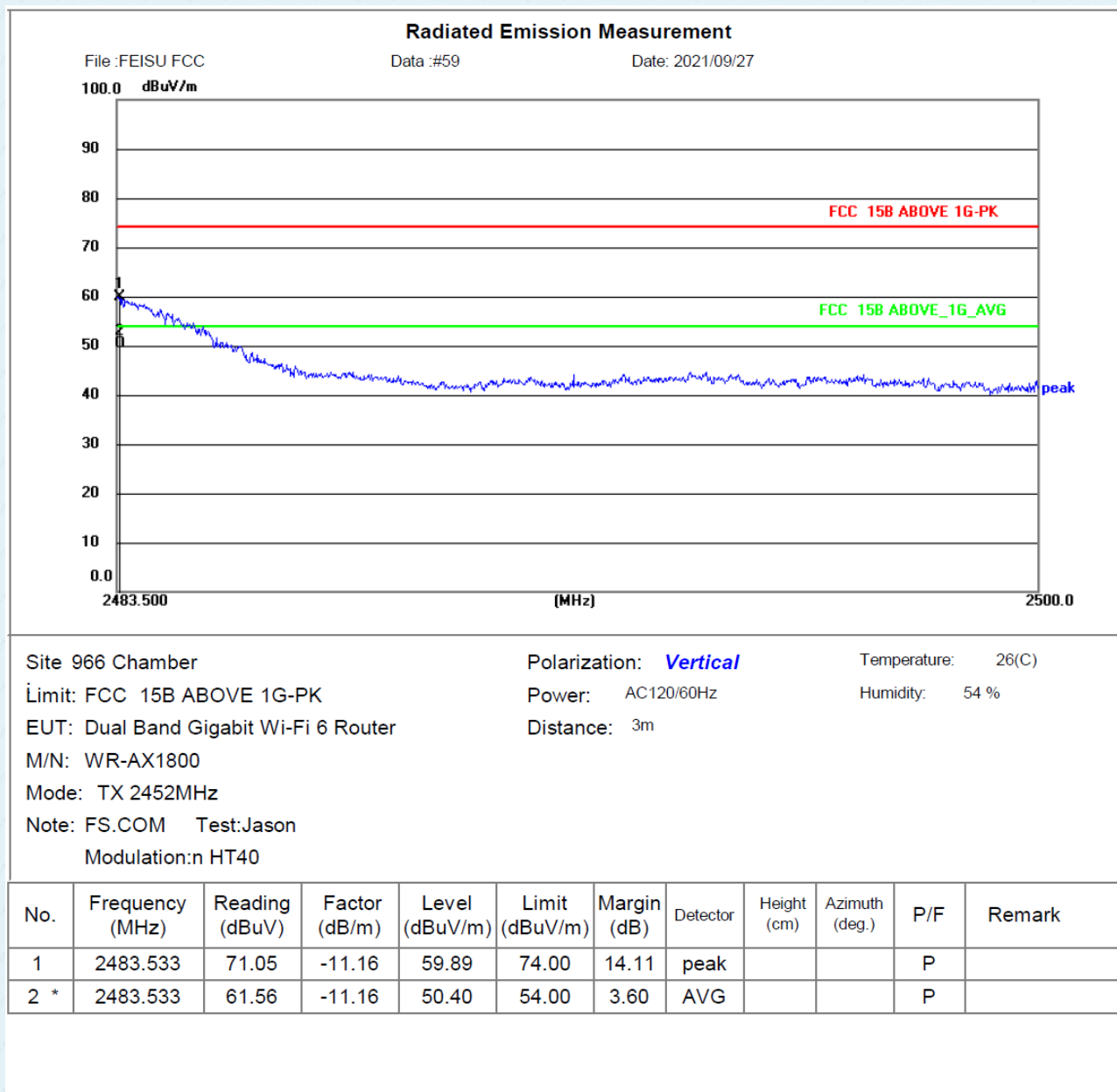
Vertical: 802.11n HT40 (TX 2422MHz)



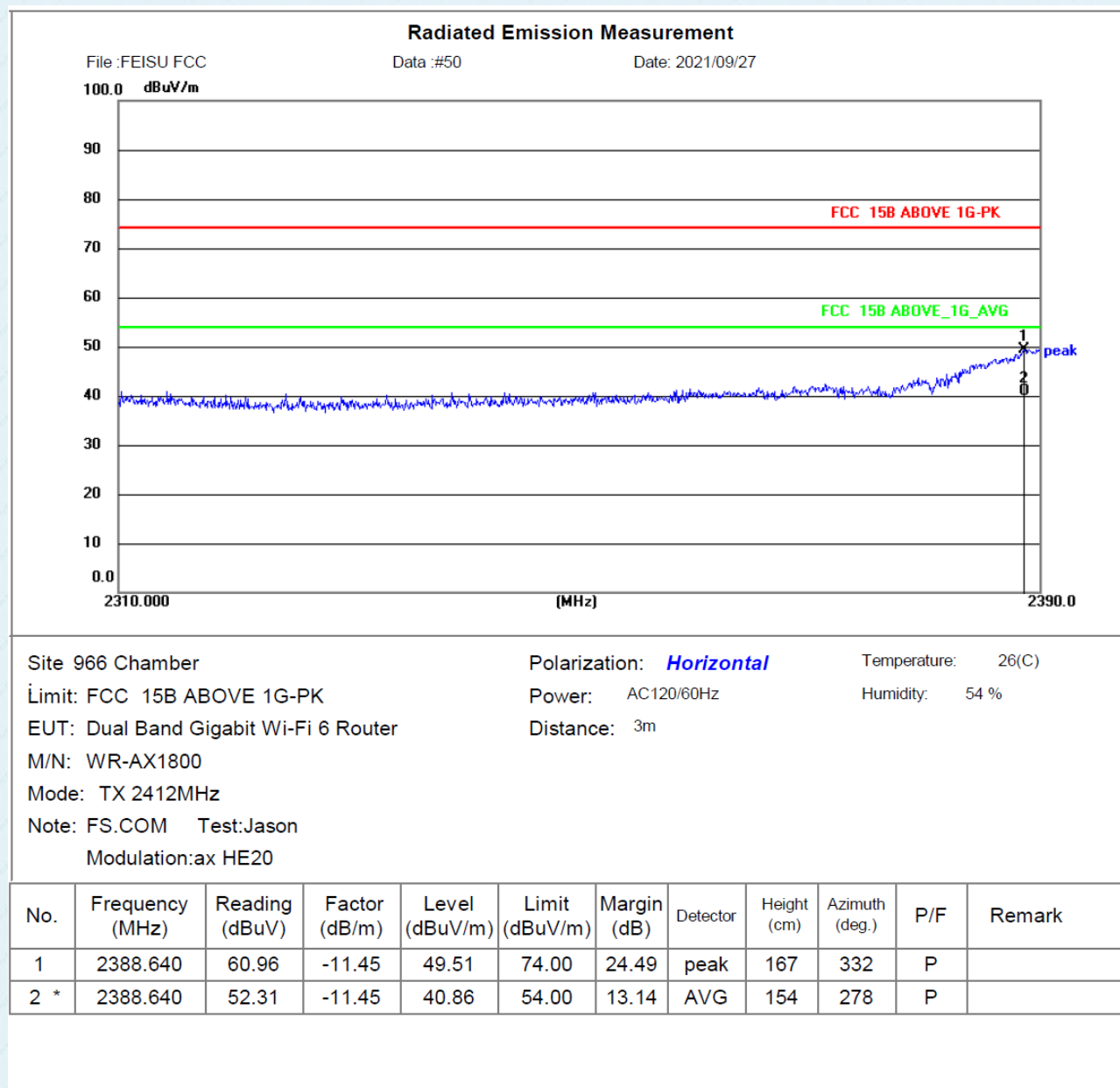
**Horizontal: 802.11n HT40 (TX 2452MHz)**



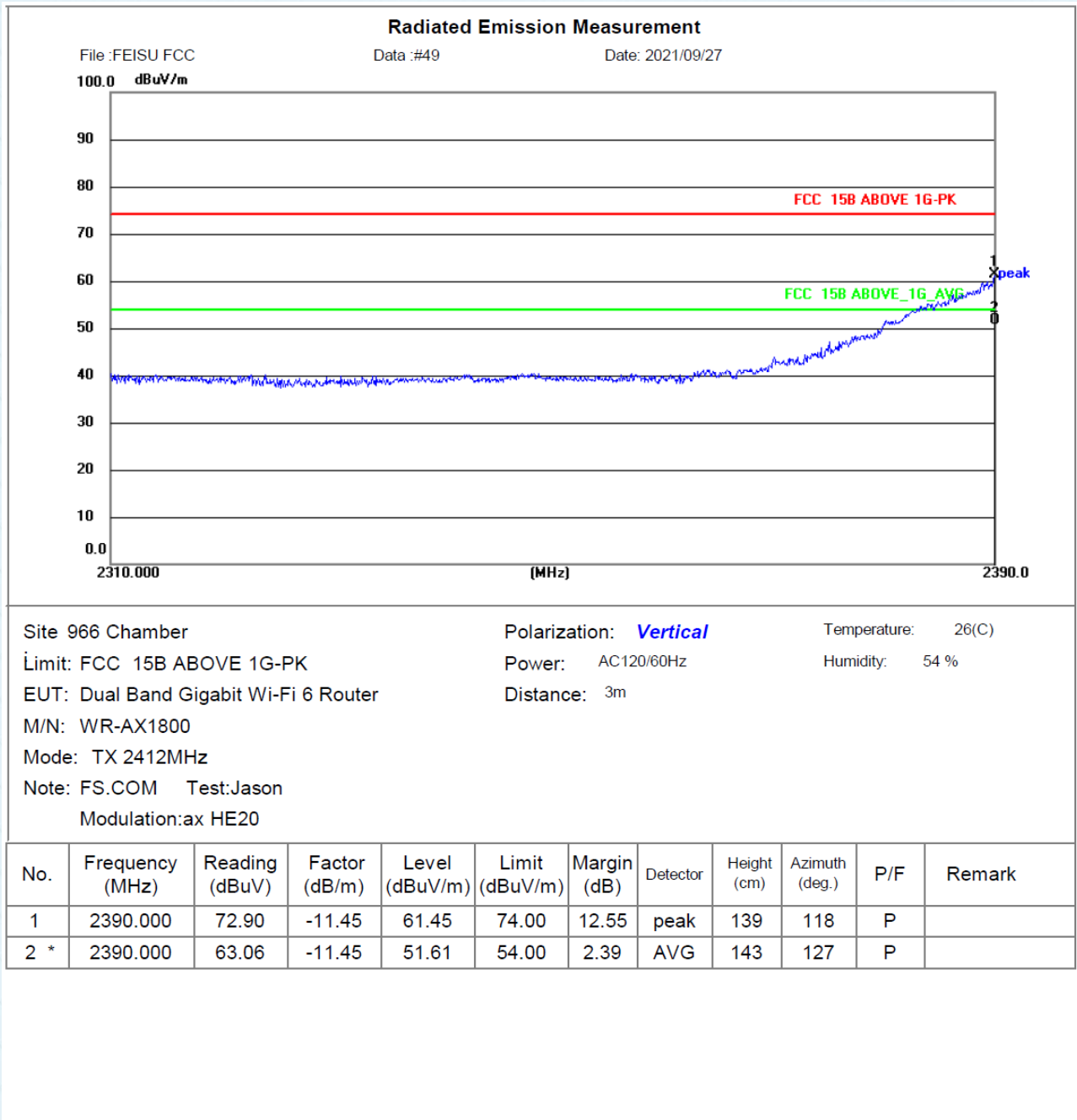
## Vertical: 802.11n HT40 (TX 2452MHz)



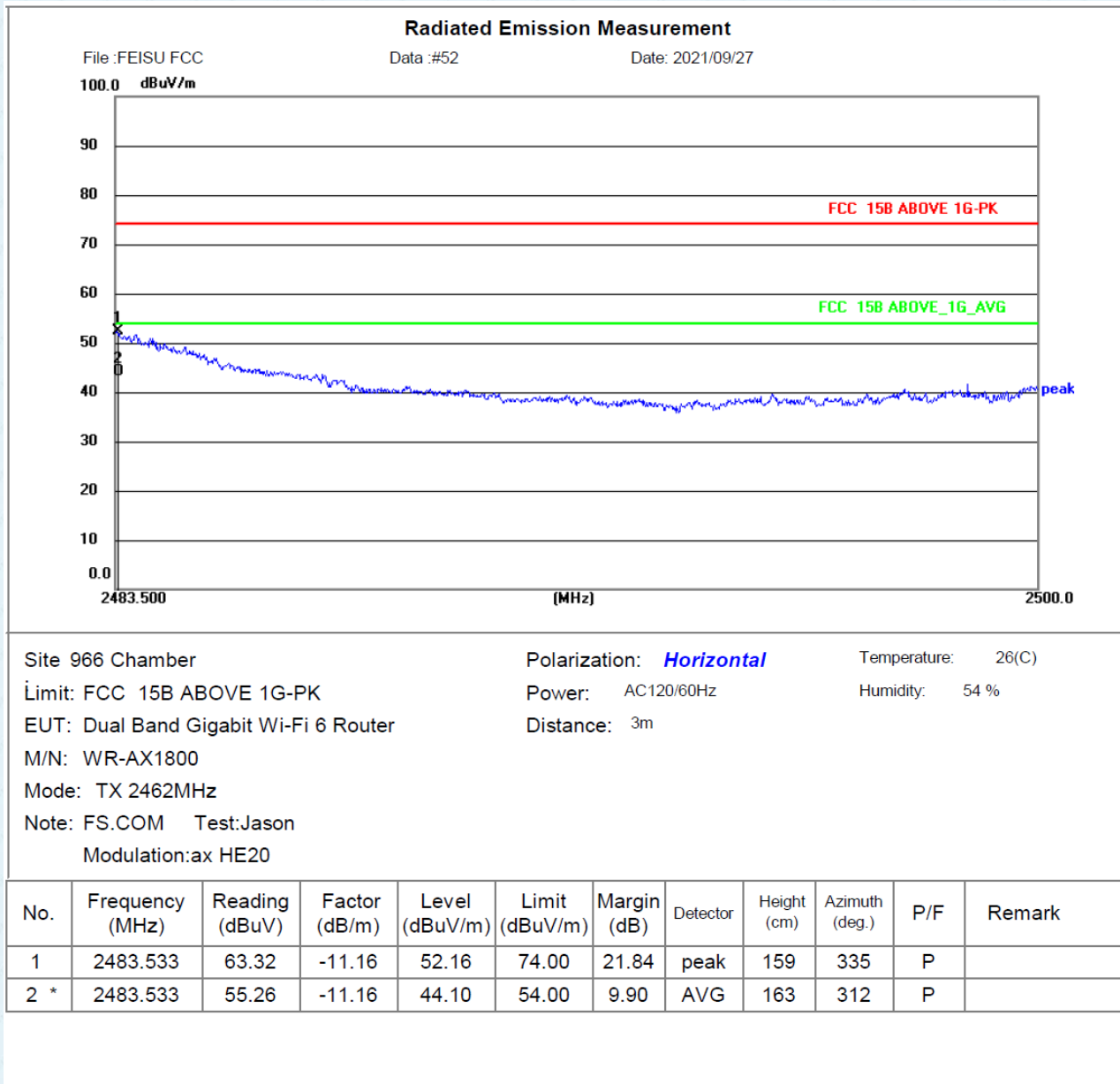
## Horizontal: 802.11aX HE20 (TX 2412MHz)



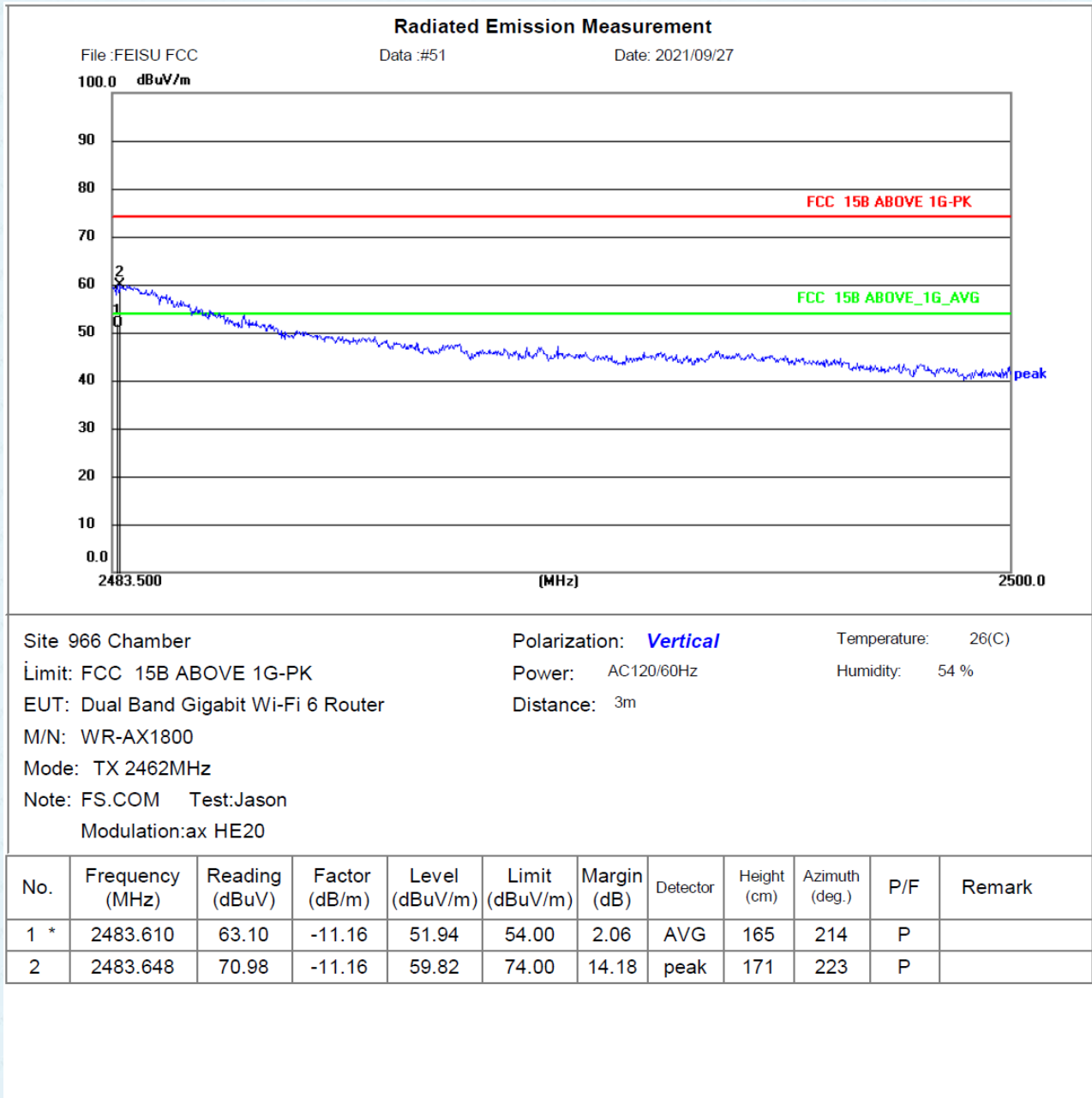
**Vertical: 802.11aX HE20 (TX 2412MHz)**



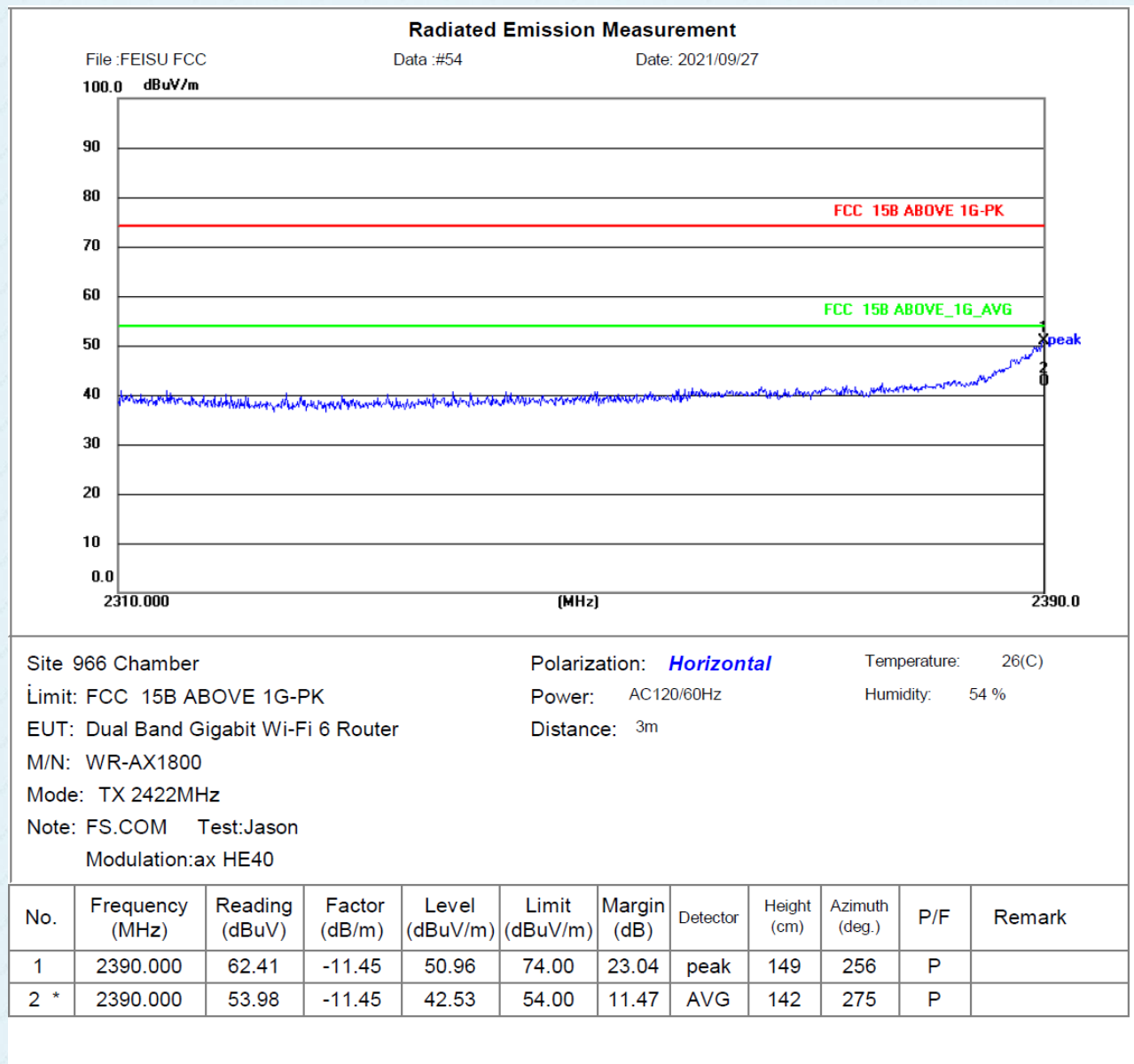
## Horizontal: 802.11aX HE20 (TX 2462MHz)



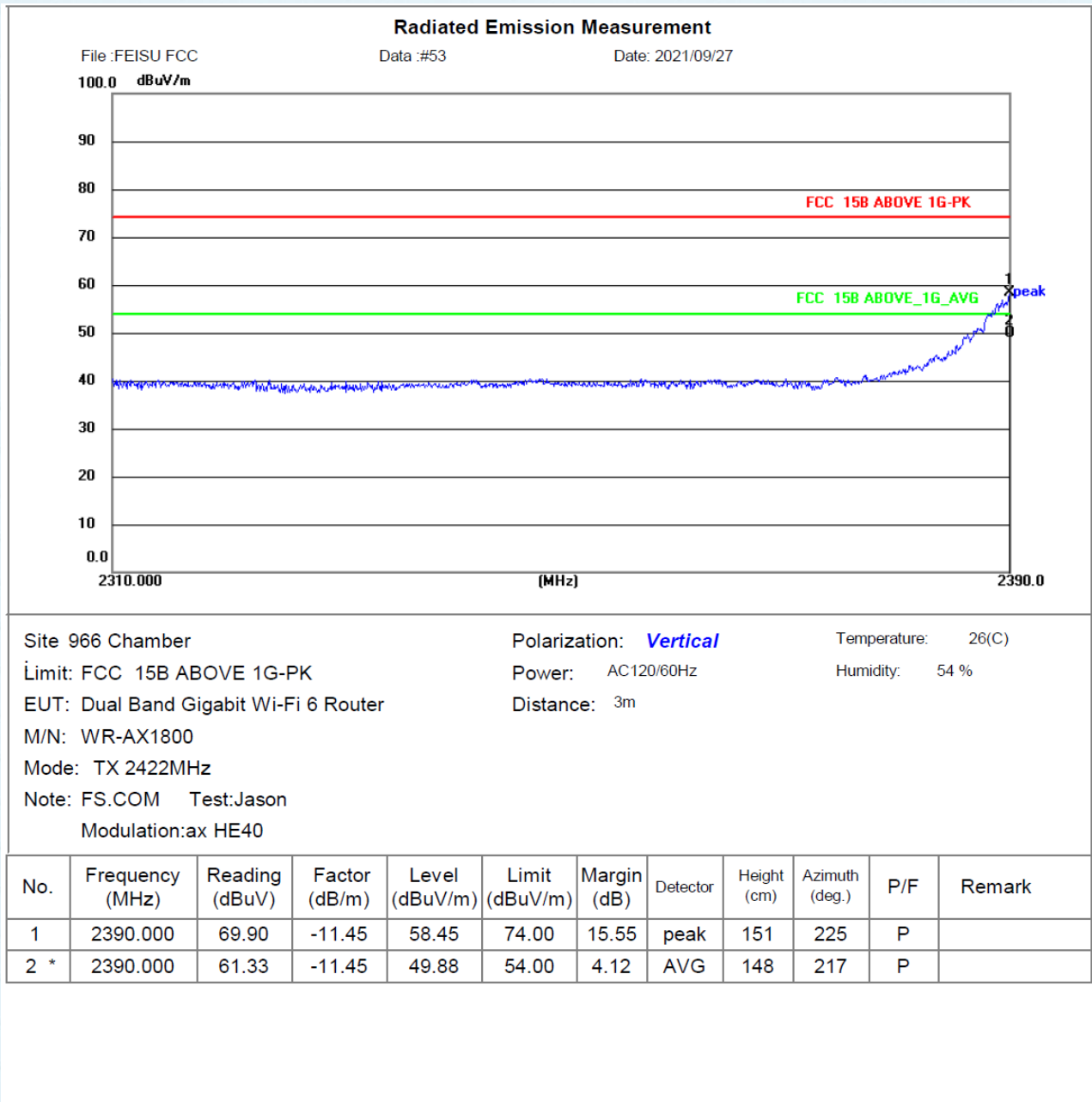
**Vertical: 802.11aX HE20 (TX 2462MHz)**



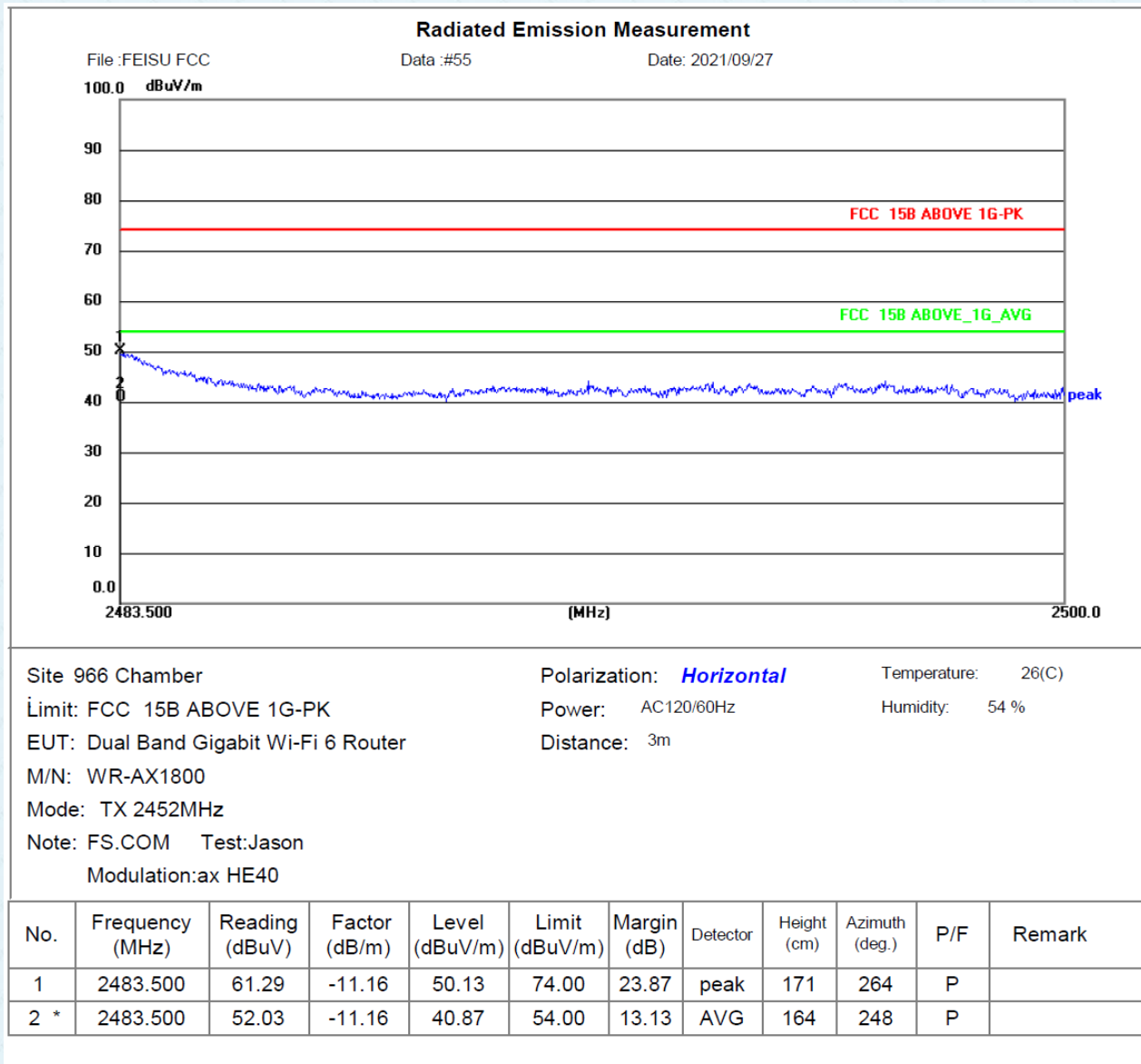
## Horizontal: 802.11aX HE40 (TX 2422MHz)



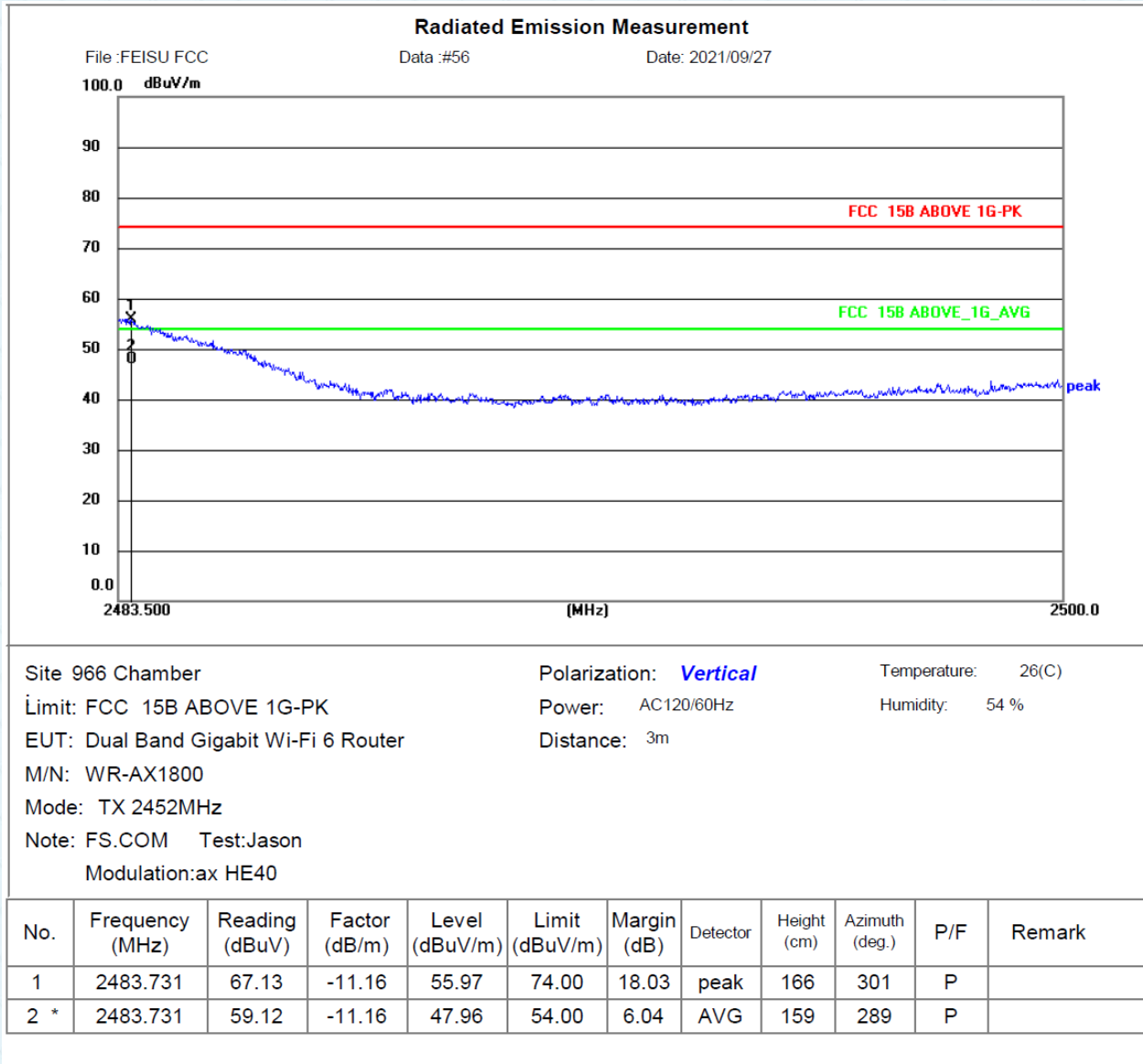
**Vertical: 802.11aX HE40 (TX 2422MHz)**



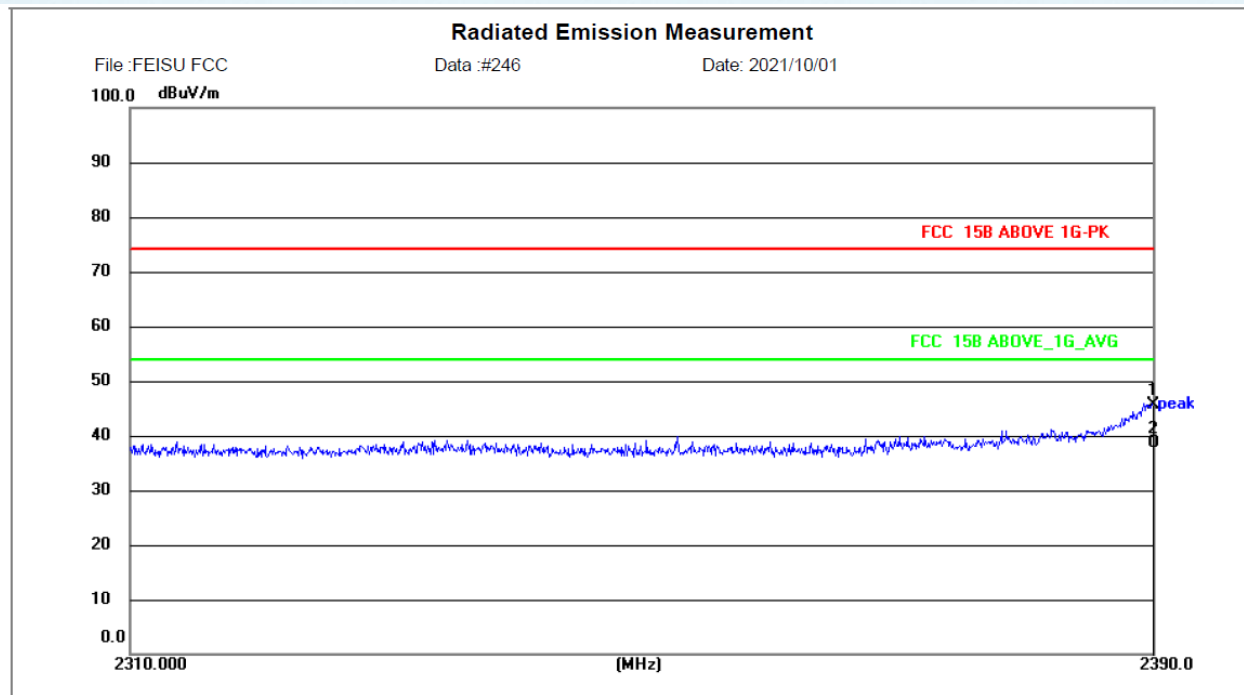
## Horizontal: 802.11aX HE40 (TX 2452MHz)



## Vertical: 802.11aX HE40 (TX 2452MHz)



## Horizontal: IEEE VHT20 (TX 2412MHz)



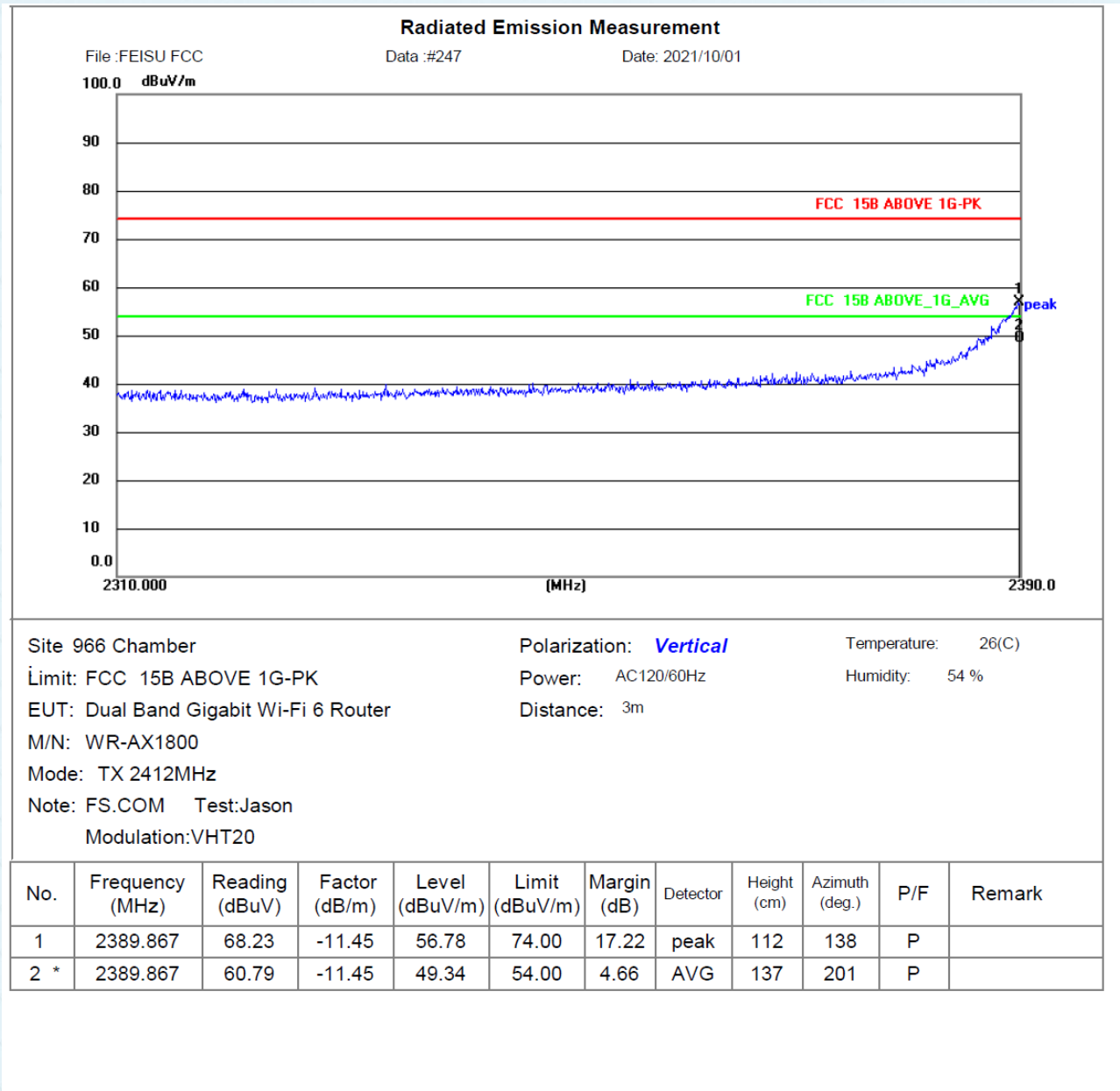
Site 966 Chamber  
 Limit: FCC 15B ABOVE 1G-PK  
 EUT: Dual Band Gigabit Wi-Fi 6 Router  
 M/N: WR-AX1800  
 Mode: TX 2412MHz  
 Note: FS.COM Test:Jason  
 Modulation:VHT20

Polarization: **Horizontal**  
 Power: AC120/60Hz  
 Distance: 3m

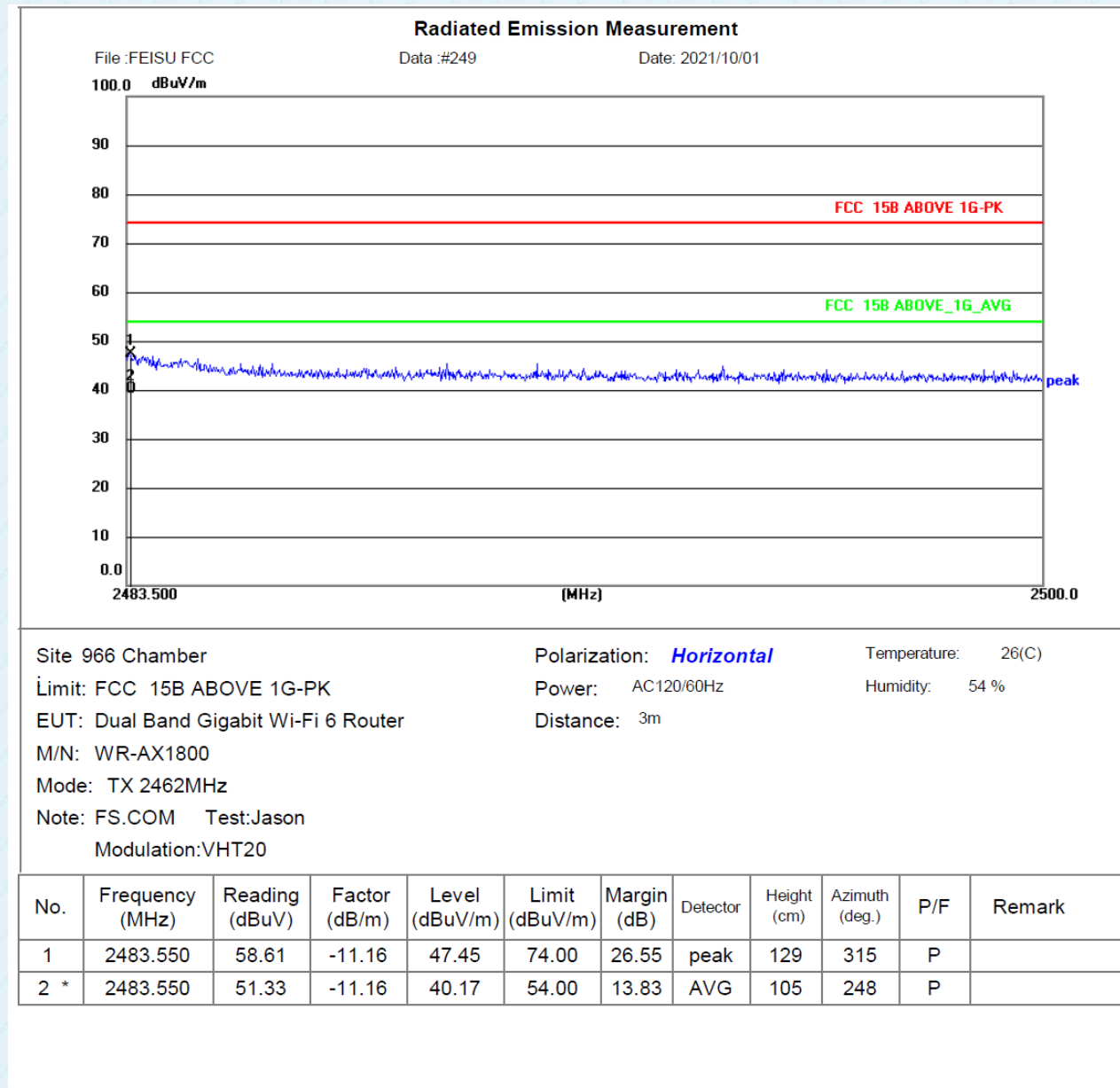
Temperature: 26(C)  
 Humidity: 54 %

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1   | 2390.000        | 57.14          | -11.45        | 45.69          | 74.00          | 28.31       | peak     | 119         | 134            | P   |        |
| 2 * | 2390.000        | 50.02          | -11.45        | 38.57          | 54.00          | 15.43       | AVG      | 109         | 173            | P   |        |

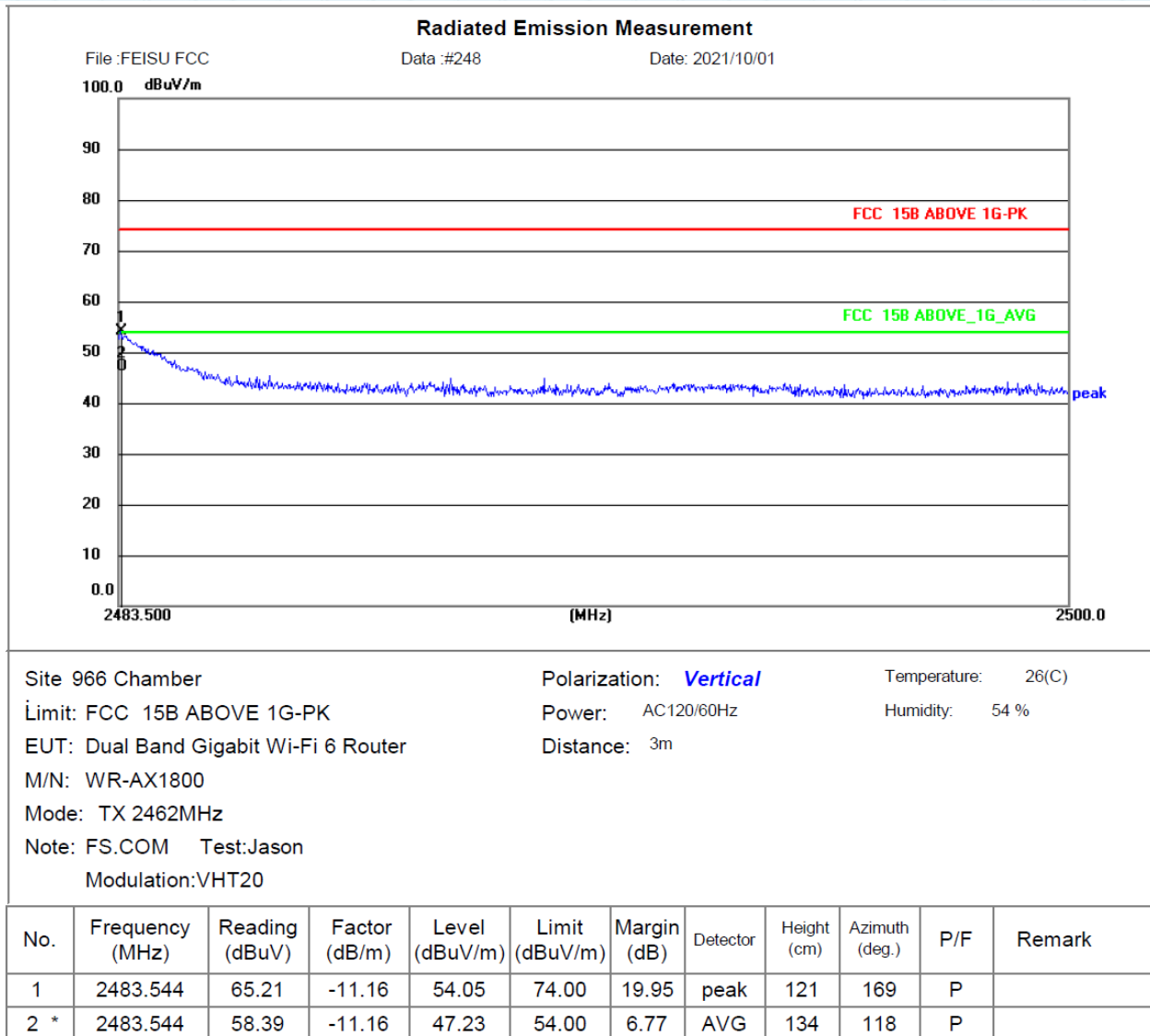
**Vertical: IEEE VHT20 (TX 2412MHz)**



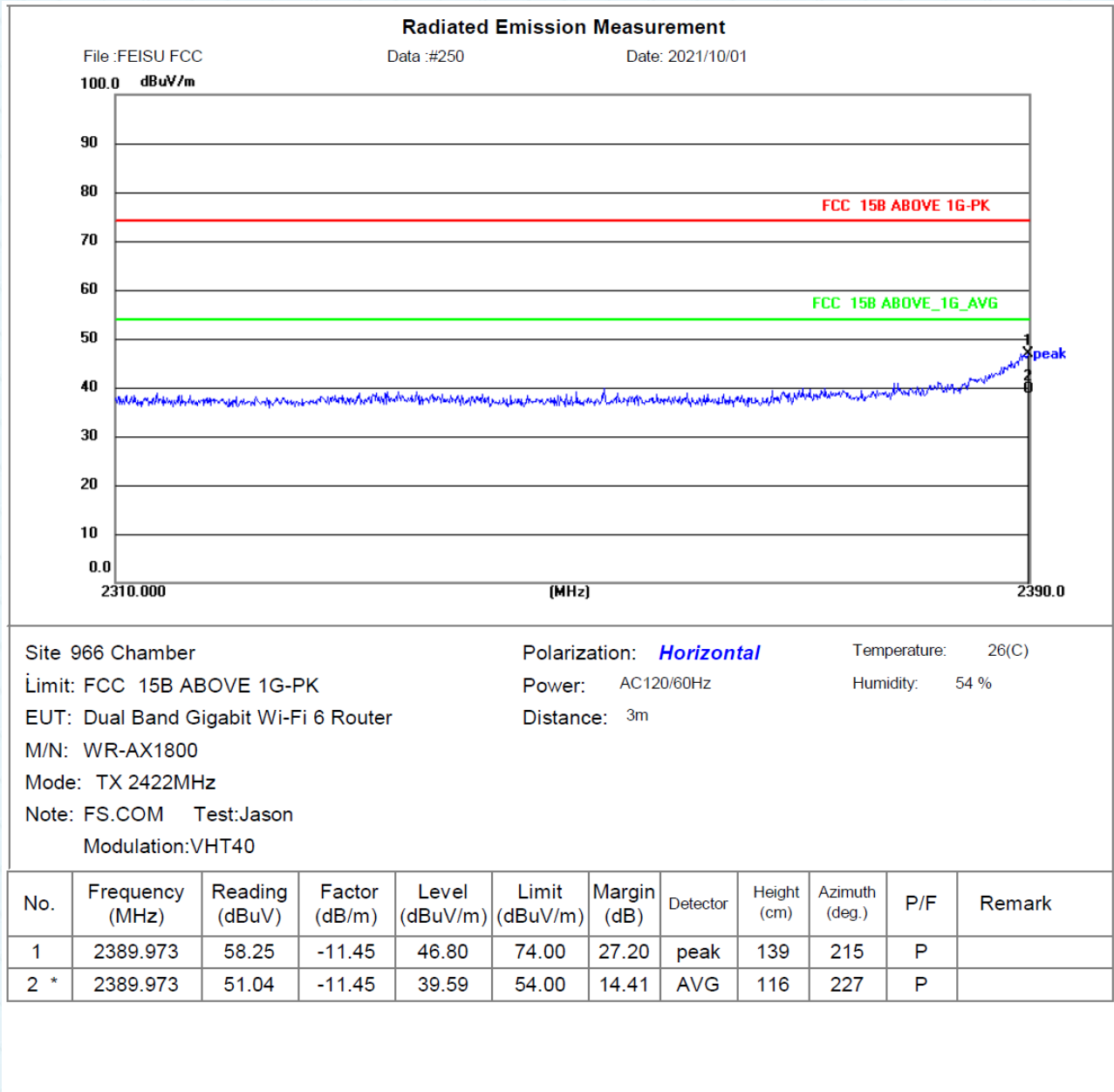
## Horizontal: IEEE VHT20 (TX 2462MHz)



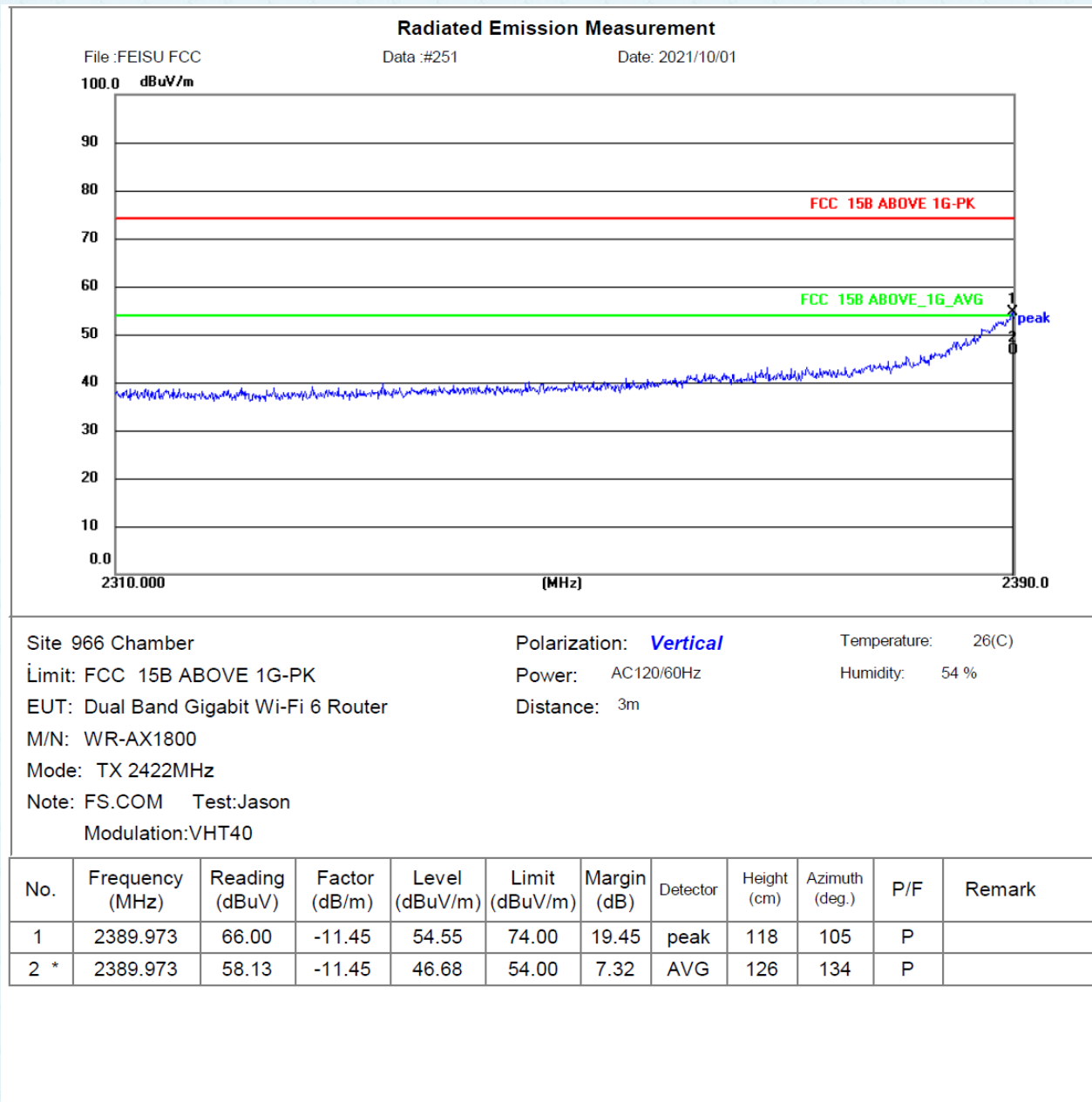
**Vertical: IEEE VHT20 (TX 2462MHz)**



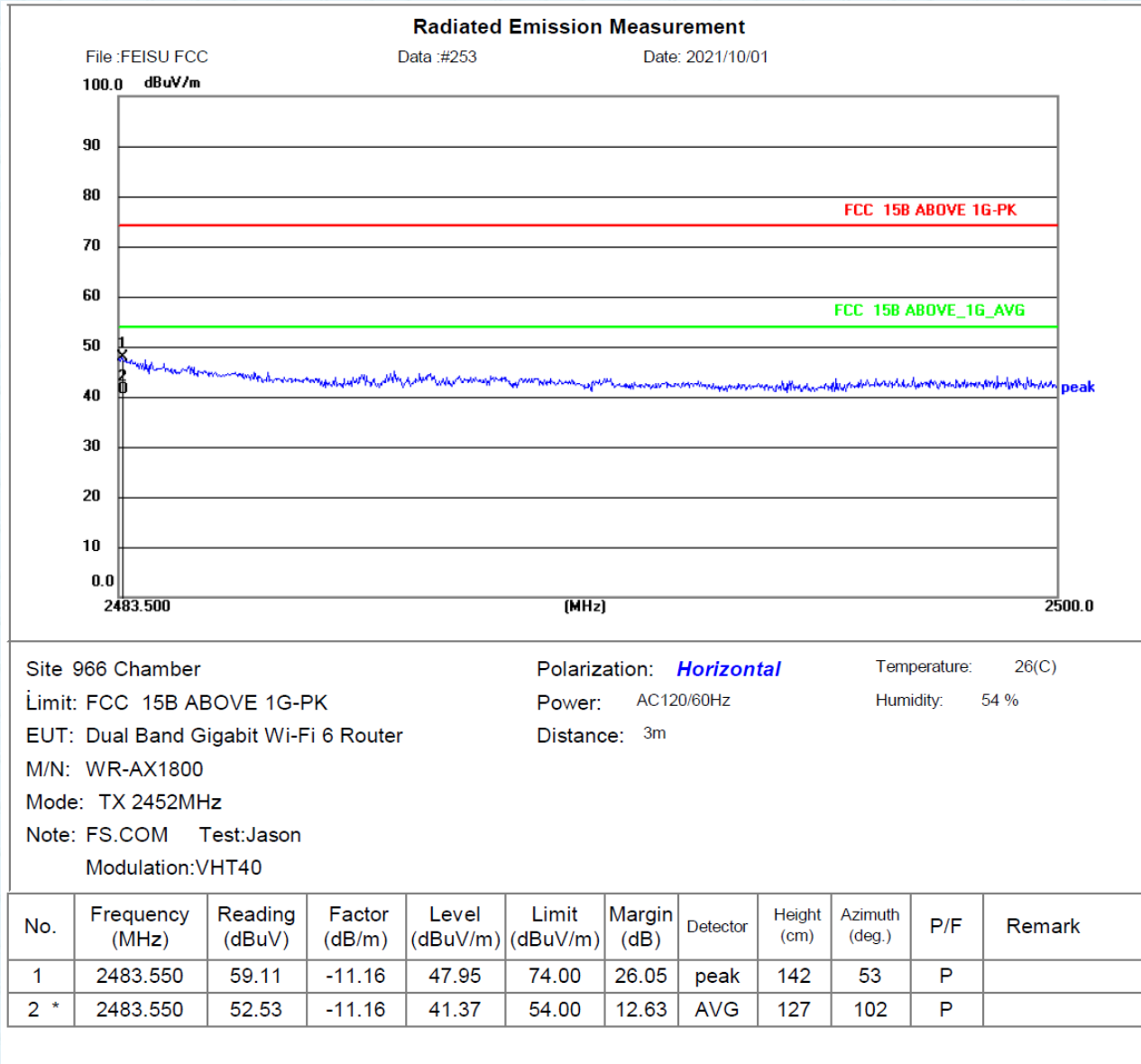
## Horizontal: IEEE VHT40 (TX 2422MHz)



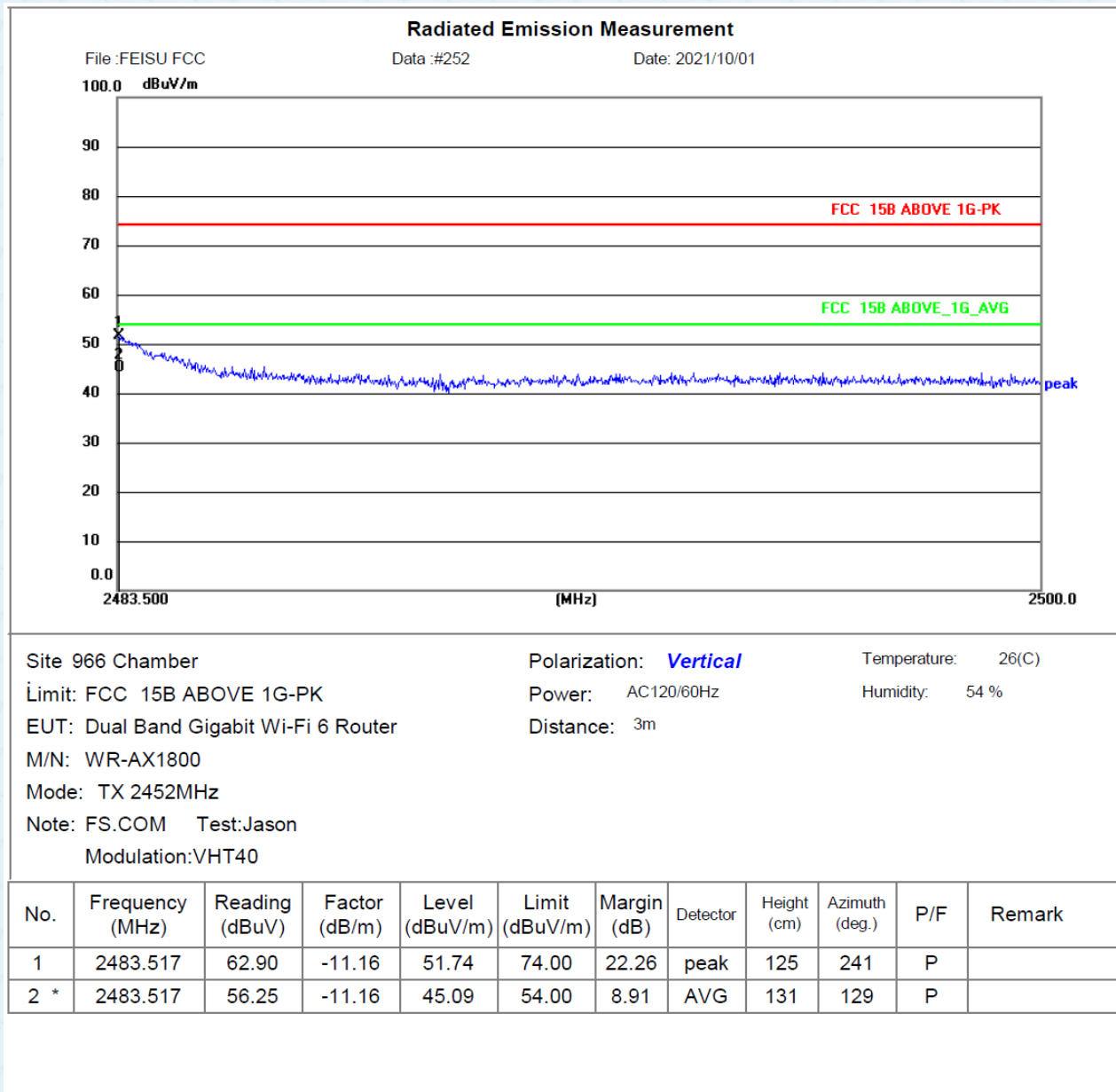
## Vertical: IEEE VHT40 (TX 2422MHz)



## Horizontal: IEEE VHT40 (TX 2452MHz)



## Vertical: IEEE VHT40 (TX 2452MHz)

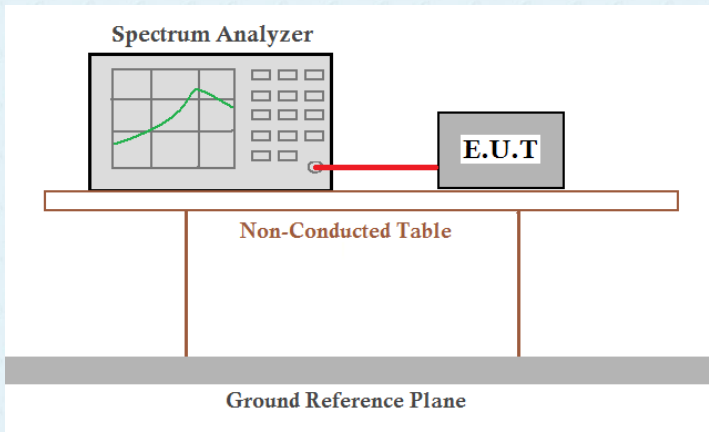


### Remarks:

- Only the worst case Main Antenna test data.
- The pre-test were performed on lowest, middle and highest frequencies, only the worst case's (lowest and highest frequencies) data was showed.
- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- The emission levels of other frequencies are very lower than the limit and not show in test report.

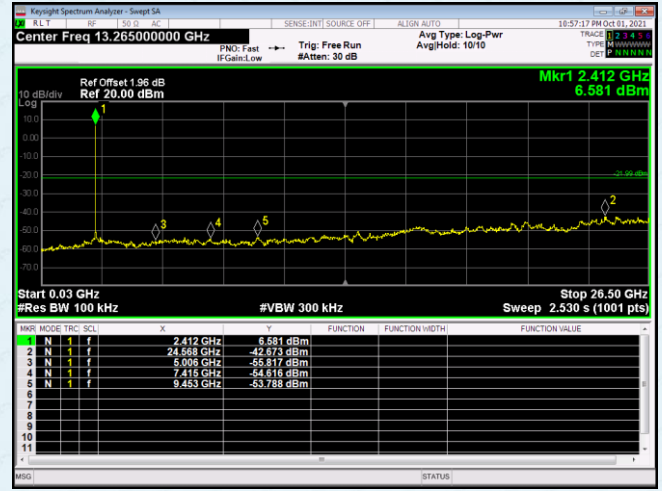
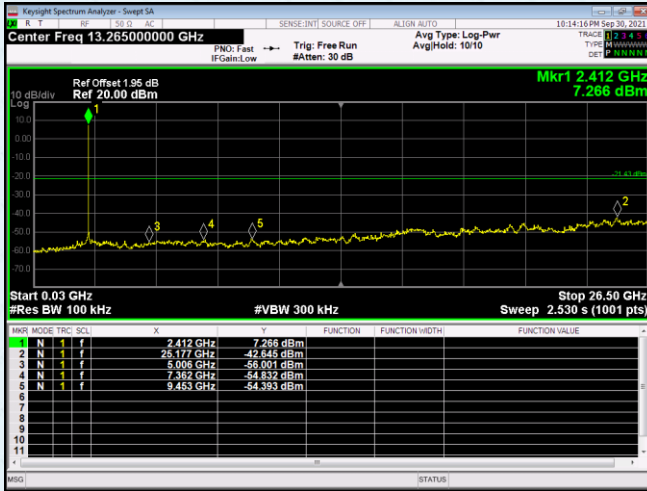
## 7.7 Spurious Emission

### 7.7.1 Conducted Emission Method

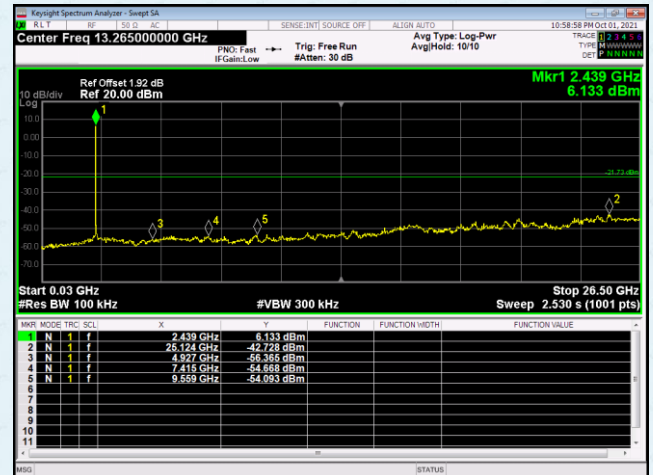
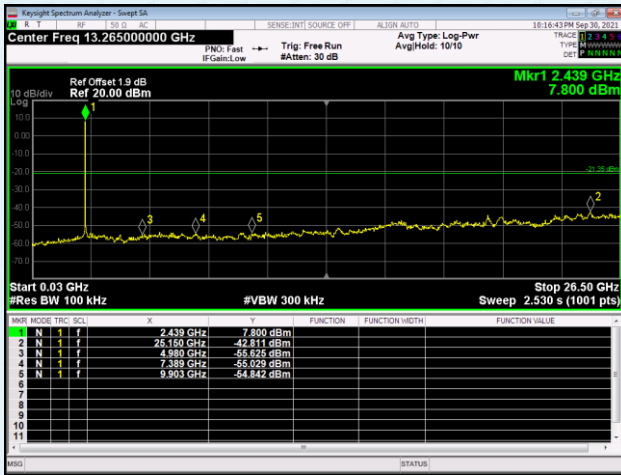
|                   |                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (d)                                                                                                                                                                                                                                                                                                                                                         |
| Test Method:      | KDB558074 D01 15.247 Meas Guidance v05r02                                                                                                                                                                                                                                                                                                                                               |
| Limit:            | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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. |
| Test setup:       |  <p>The diagram illustrates the test setup for conducted emission measurement. A Spectrum Analyzer is connected via a red cable to an E.U.T. (Equipment Under Test). Both are placed on a Non-Conducted Table, which is supported by a Ground Reference Plane.</p>                                   |
| Test Instruments: | Refer to section 6.0 for details                                                                                                                                                                                                                                                                                                                                                        |
| Test mode:        | Refer to section 5.2 for details                                                                                                                                                                                                                                                                                                                                                        |
| Test results:     | Pass                                                                                                                                                                                                                                                                                                                                                                                    |

Test plot as follows:

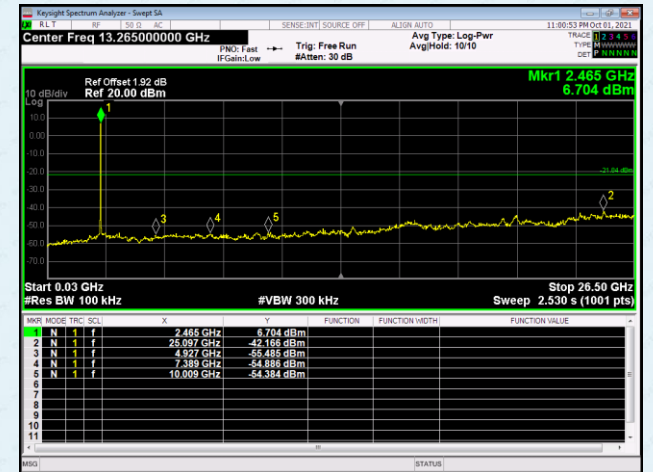
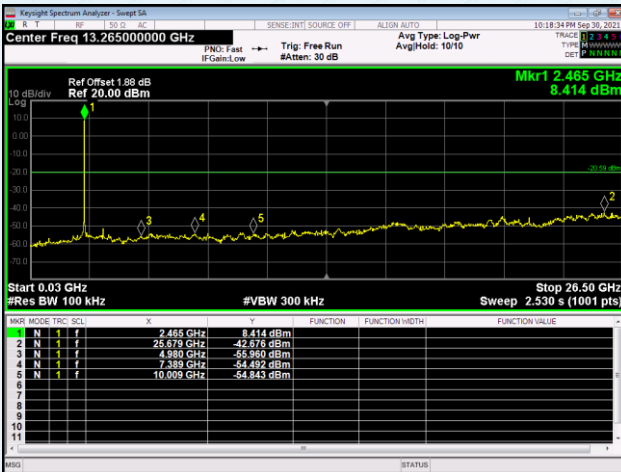
|            |                |            |                |
|------------|----------------|------------|----------------|
| Test mode: | 802.11b(Ant A) | Test mode: | 802.11b(Ant B) |
|------------|----------------|------------|----------------|



Lowest channel

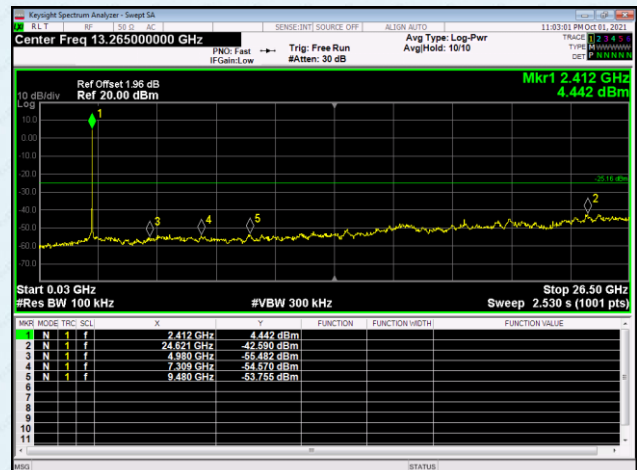
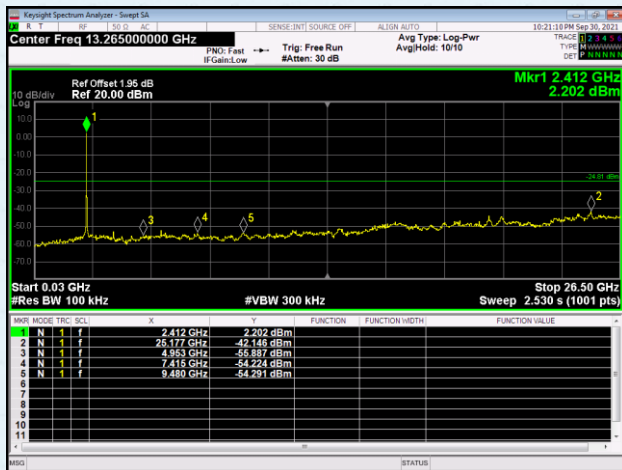


Middle channel

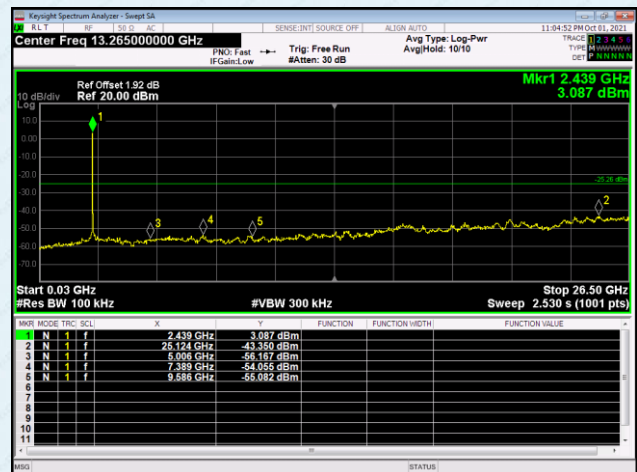
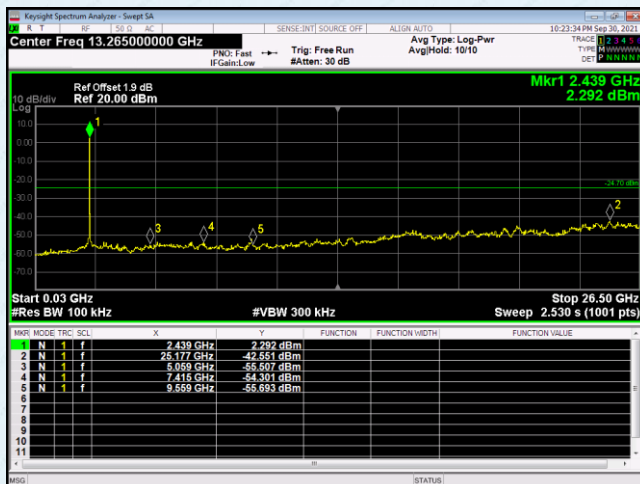


Highest channel

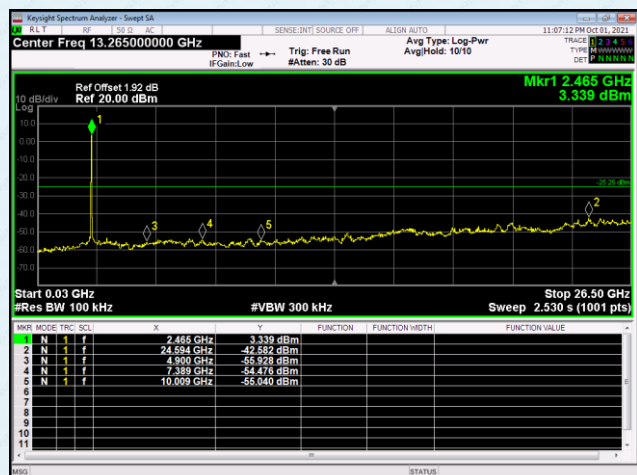
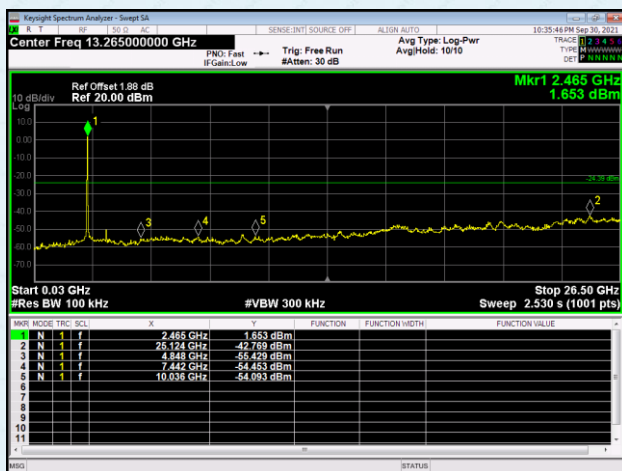
|            |                |            |                |
|------------|----------------|------------|----------------|
| Test mode: | 802.11g(Ant A) | Test mode: | 802.11g(Ant B) |
|------------|----------------|------------|----------------|



Lowest channel



Middle channel



Highest channel