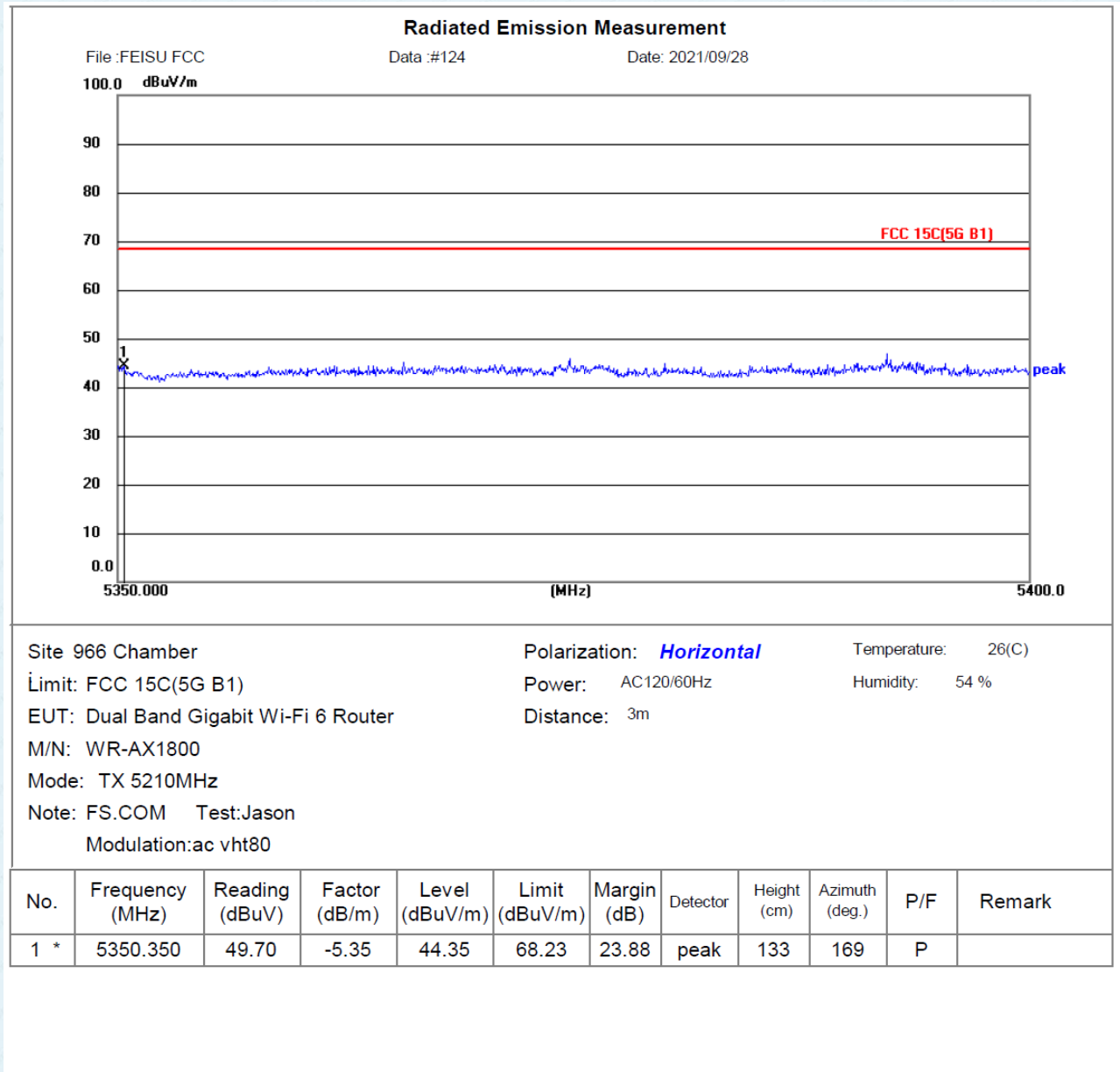
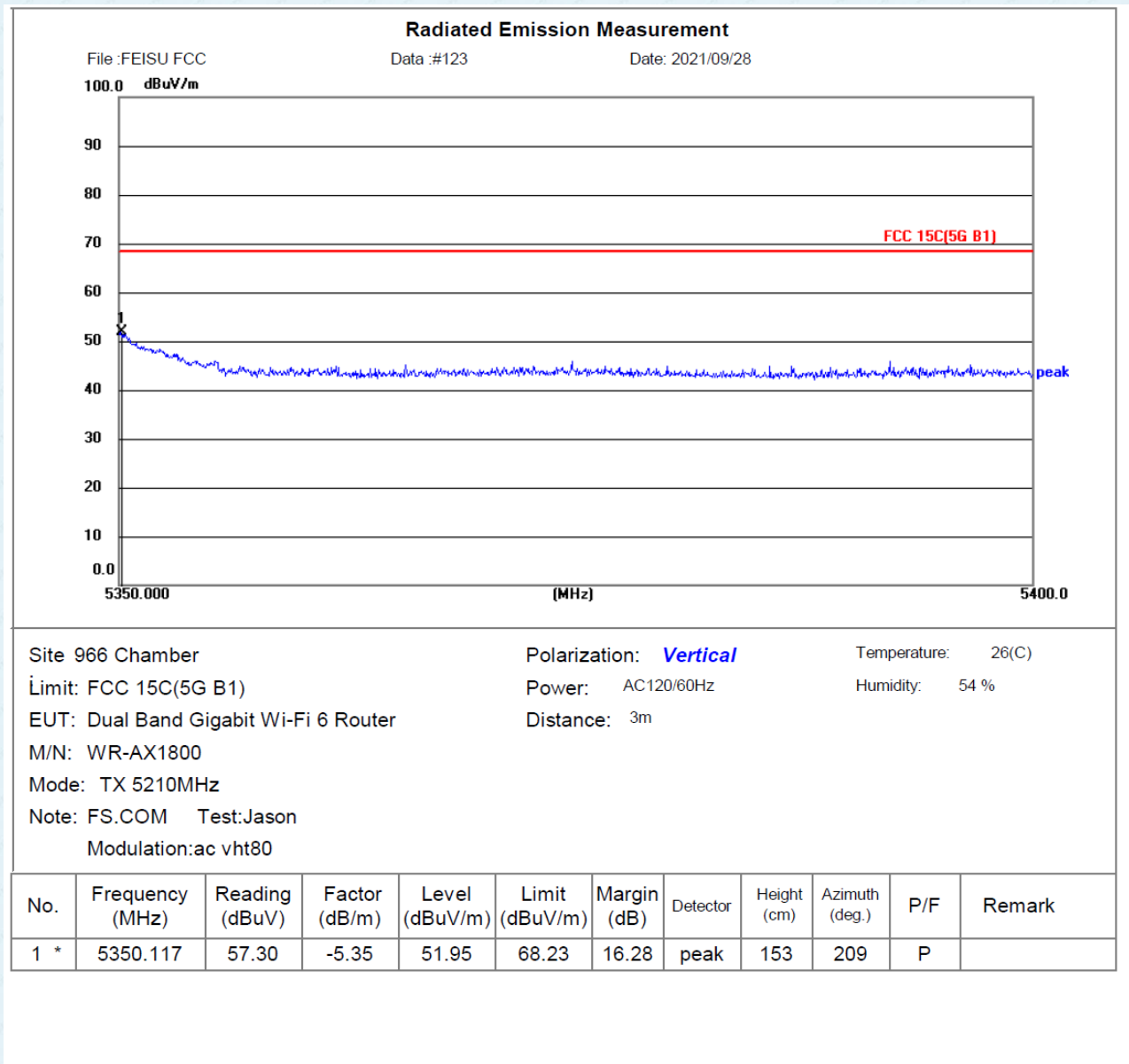


**Horizontal: 802.11ac VHT80 (TX 5210MHz)**



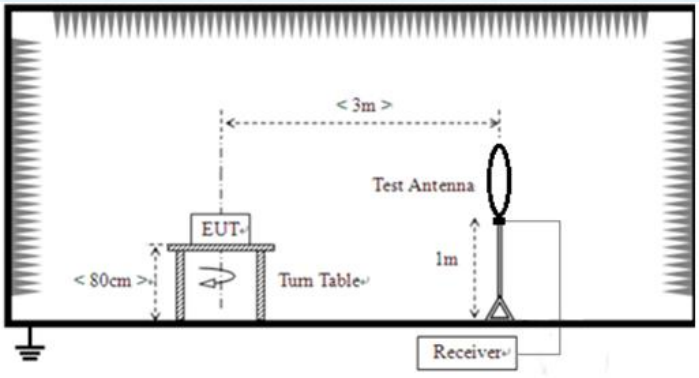
**Vertical: 802.11ac VHT80 (TX 5210MHz)**

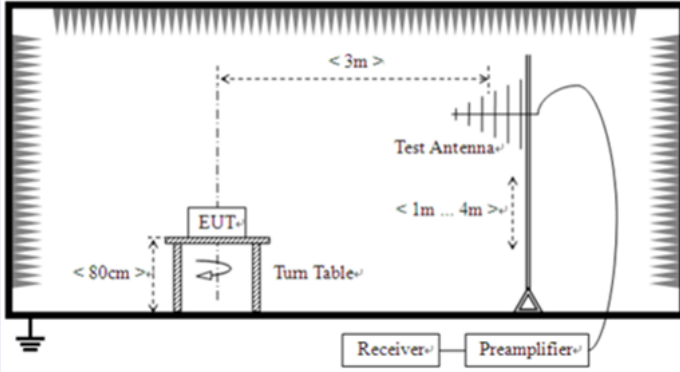
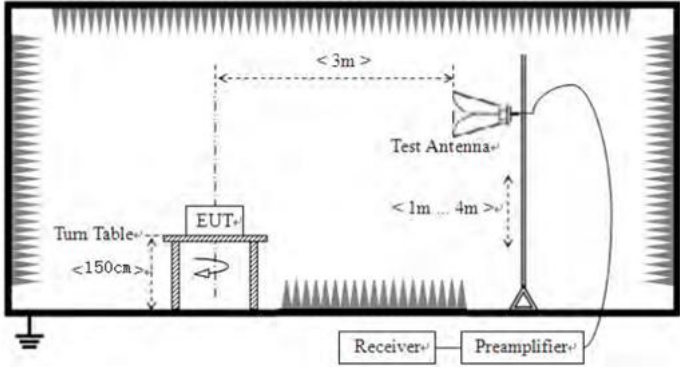


**Note: We tested 802.11a/n /ac/ax mode the all data rate and recorded the worst case data.**

## 7.7 Radiated Emission

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |        |               |                      |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|---------------|----------------------|
| Test Requirement:     | FCC Part15 C Section 15.209 and 15.205                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |        |               |                      |
| Test Method:          | ANSI C63.10:2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |               |                      |
| Test Frequency Range: | 9kHz to 40GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |        |               |                      |
| Test site:            | Measurement Distance: 3m (Semi-Anechoic Chamber)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |               |                      |
| Receiver setup:       | Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Detector     | RBW    | VBW           | Value                |
|                       | 9kHz-150KHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Quasi-peak   | 200Hz  | 1kHz          | Quasi-peak Value     |
|                       | 150kHz-30MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Quasi-peak   | 9kHz   | 30kHz         | Quasi-peak Value     |
|                       | 30MHz-1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Quasi-peak   | 100KHz | 300KHz        | Quasi-peak Value     |
|                       | Above 1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Peak         | 1MHz   | 3MHz          | Peak Value           |
| AV                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1MHz         | 3MHz   | Average Value |                      |
| Limit:                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |        |               |                      |
|                       | Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Limit (uV/m) |        | Value         | Measurement Distance |
|                       | 0.009MHz-0.490MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2400/F(KHz)  |        | QP            | 300m                 |
|                       | 0.490MHz-1.705MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 24000/F(KHz) |        | QP            | 300m                 |
|                       | 1.705MHz-30MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 30           |        | QP            | 30m                  |
|                       | 30MHz-88MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 100          |        | QP            | 3m                   |
|                       | 88MHz-216MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 150          |        | QP            |                      |
|                       | 216MHz-960MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 200          |        | QP            |                      |
|                       | 960MHz-1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 500          |        | QP            |                      |
|                       | Above 1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 500          |        | Average       |                      |
| 5000                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Peak         |        |               |                      |
| Test Procedure:       | <p>Substitution method was performed to determine the actual ERP emission levels of the EUT.</p> <p>The following test procedure as below:</p> <p>1&gt;.Below 1GHz test procedure:</p> <ol style="list-style-type: none"><li>1. The EUT was placed on the top of a rotating table (0.8m for below 1GHz and 1.5 meters for above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li><li>2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li><li>3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li><li>4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</li><li>5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li><li>6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</li></ol> <p>2&gt;.Above 1GHz test procedure:</p> |              |        |               |                      |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    | <ol style="list-style-type: none"> <li>1. On the test site as test setup graph above, the EUT shall be placed at the 0.8m support on the turntable and in the position closest to normal use as declared by the provider.</li> <li>2. The test antenna shall be oriented initially for vertical polarization and shall be chosen to correspond to the frequency of the transmitter. The output of the test antenna shall be connected to the measuring receiver.</li> <li>3. The transmitter shall be switched on, if possible, without modulation and the measuring receiver shall be tuned to the frequency of the transmitter under test.</li> <li>4. The test antenna shall be raised and lowered from 1m to 4m until a maximum signal level is detected by the measuring receiver. Then the turntable should be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.</li> <li>5. Repeat step 4 for test frequency with the test antenna polarized horizontally.</li> <li>6. Remove the transmitter and replace it with a substitution antenna</li> <li>7. Feed the substitution antenna at the transmitter end with a signal generator connected to the antenna by means of a nonradiating cable. With the antennas at both ends vertically polarized, and with the signal generator tuned to a particular test frequency, raise and lower the test antenna to obtain a maximum reading at the spectrum analyzer. Adjust the level of the signal generator output until the previously recorded maximum reading for this set of conditions is obtained. This should be done carefully repeating the adjustment of the test antenna and generator output.</li> <li>8. Repeat step 7 with both antennas horizontally polarized for each test frequency.</li> <li>9. Calculate power in dBm into a reference ideal half-wave dipole antenna by reducing the readings obtained in steps 7 and 8 by the power loss in the cable between the generator and the antenna, and further corrected for the gain of the substitution antenna used relative to an ideal half-wave dipole antenna by the following formula:<br/> <math display="block">\text{EIRP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBi)}</math>                     where:<br/>                     Pg is the generator output power into the substitution antenna.                 </li> </ol> |
| <p>Test setup:</p> | <p>For radiated emissions from 9kHz to 30MHz</p>  <p>For radiated emissions from 30MHz to 1GHz</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

|                   |                                                                                                                                                                                                                 |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   |  <p>For radiated emissions above 1GHz</p>  |
| Test Instruments: | Refer to section 6 for details                                                                                                                                                                                  |
| Test mode:        | Refer to section 5.2 for details                                                                                                                                                                                |
| Test environment: | Temp.: 25 °C      Humid.: 52%      Press.: 1012mbar                                                                                                                                                             |
| Test voltage:     | AC 120V, 60Hz                                                                                                                                                                                                   |
| Test results:     | Pass                                                                                                                                                                                                            |

*Remarks:*

1. Only the worst case Main Antenna test data.
2. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

**Measurement Data:**

**9 kHz ~ 30 MHz**

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

**30MHz~ 1GHz**

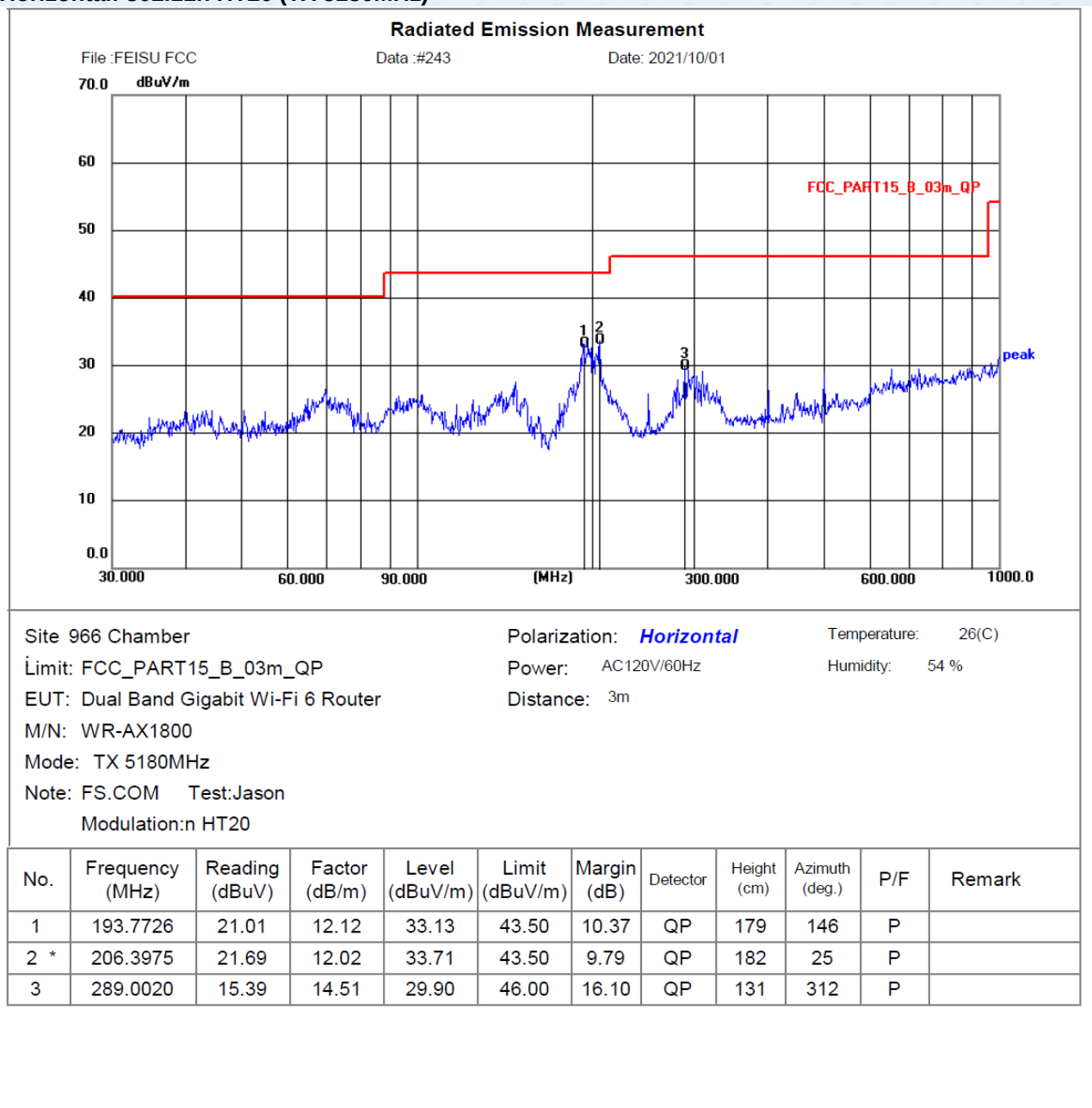
Pre-scan all test modes, found worst case at 802.11n( HT20), and so only show the test result of 802.11n(HT20).

**Above 1GHz**

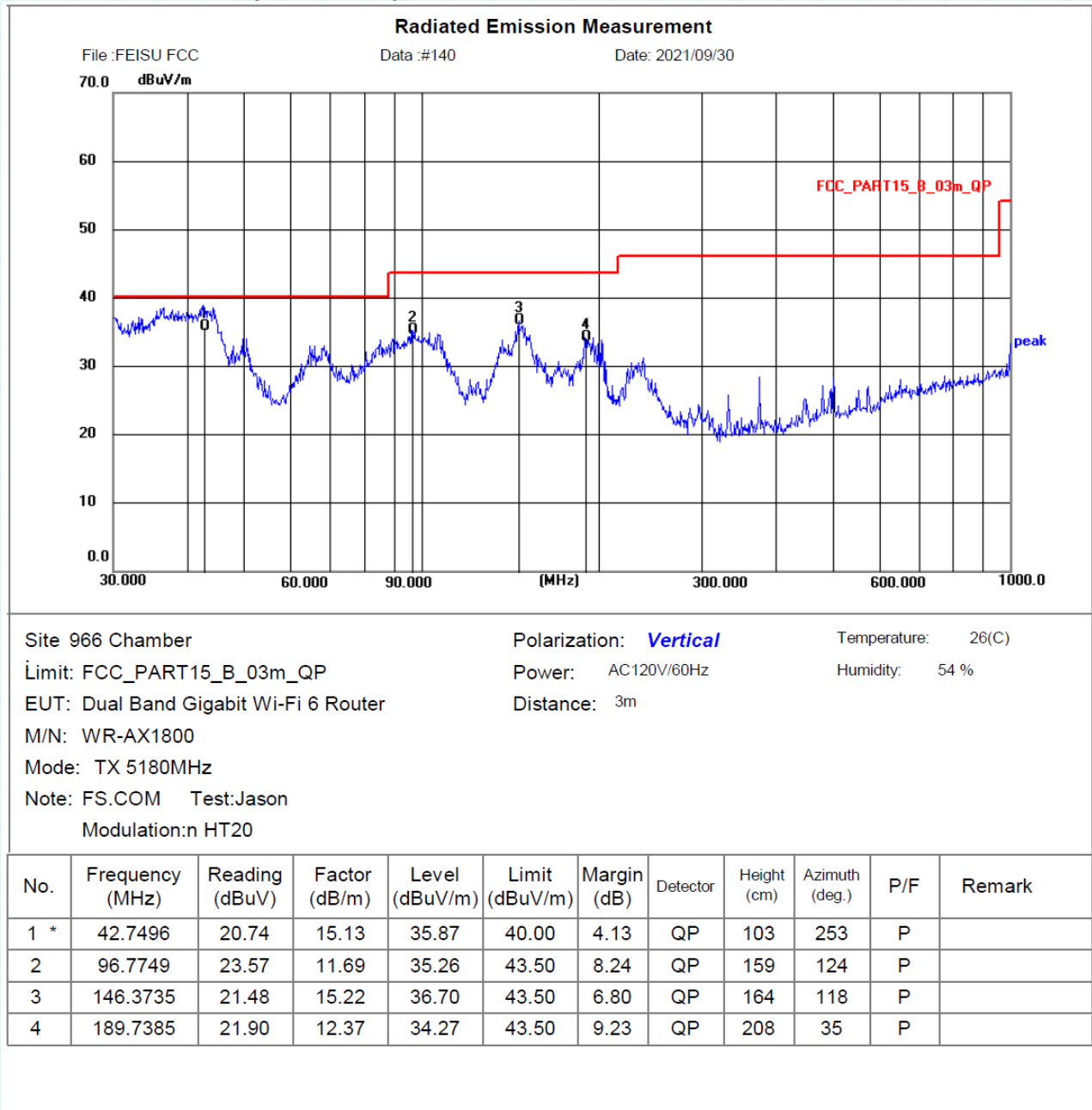
Pre-scan all test modes, found worst case at 802.11a, 802.11ax( HE20), 802.11ax( HE40) and 802.11ax( HE80), and so only show the test result of 802.11a, 802.11ax( HE20), 802.11ax( HE40) and 802.11ax( HE80).

30MHz~ 1GHz

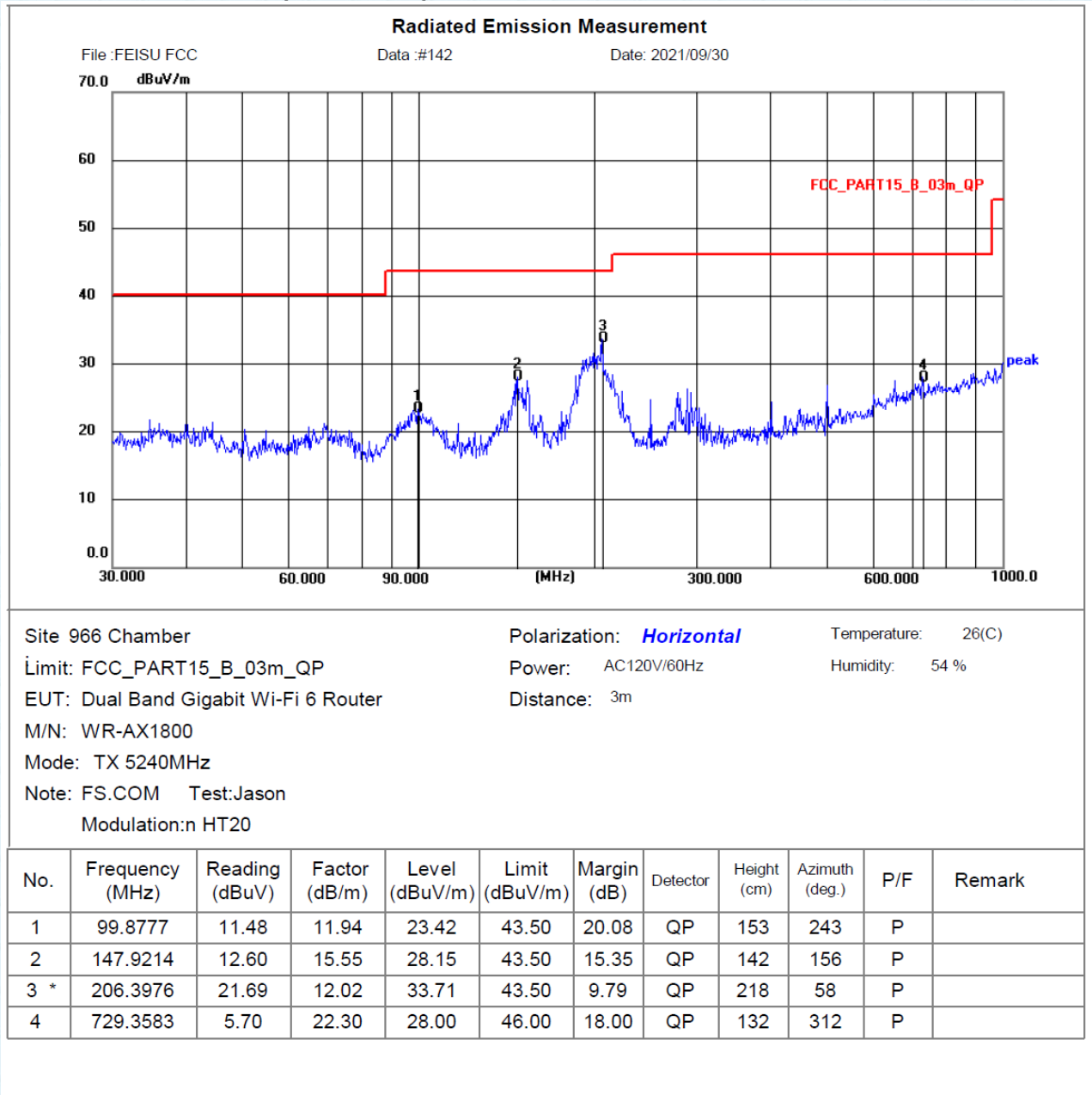
Horizontal: 802.11n HT20 (TX 5180MHz)



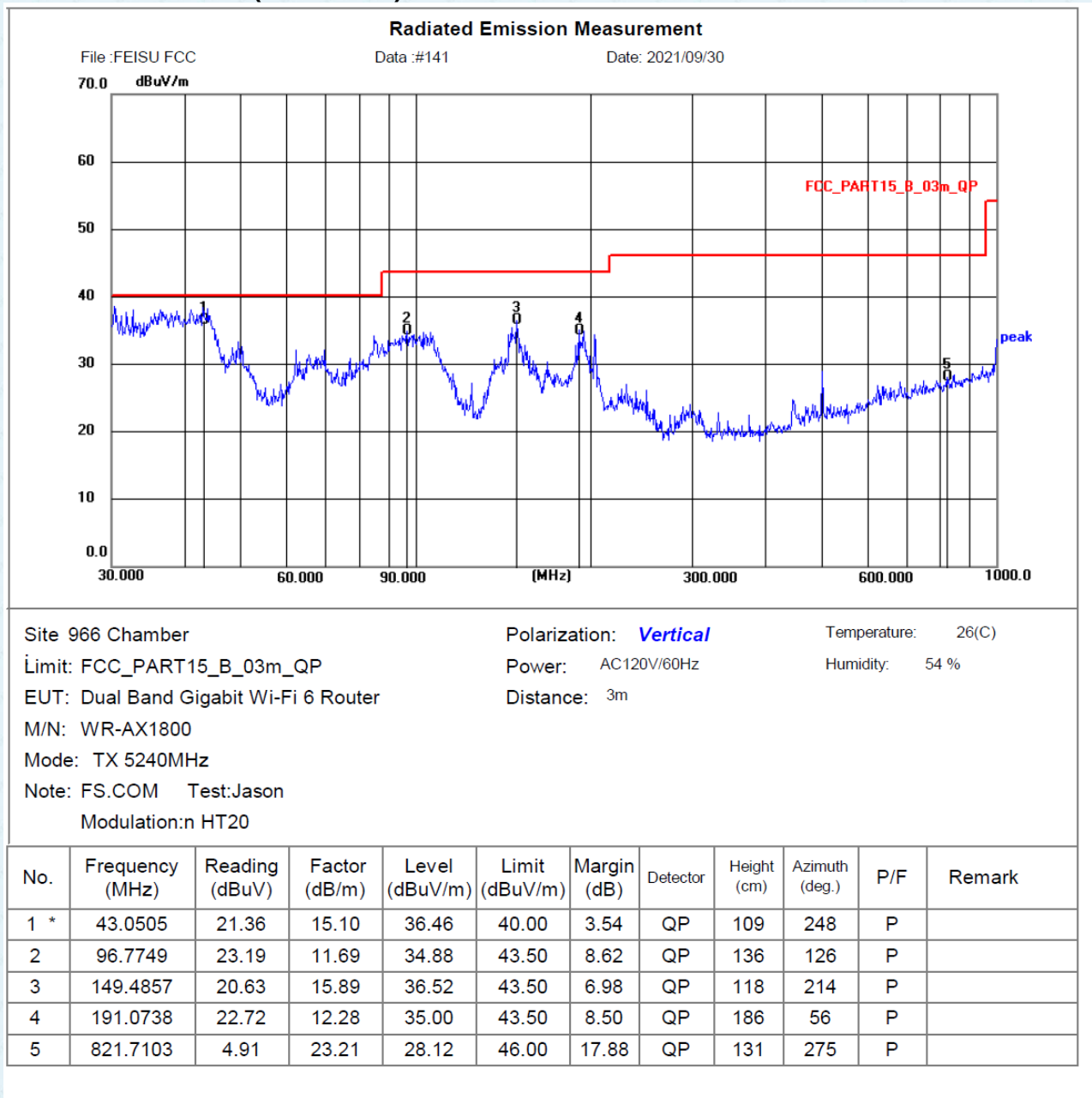
**Vertical: 802.11n HT20 (TX 5180MHz)**



**Horizontal: 802.11n HT20 (TX 5240MHz)**

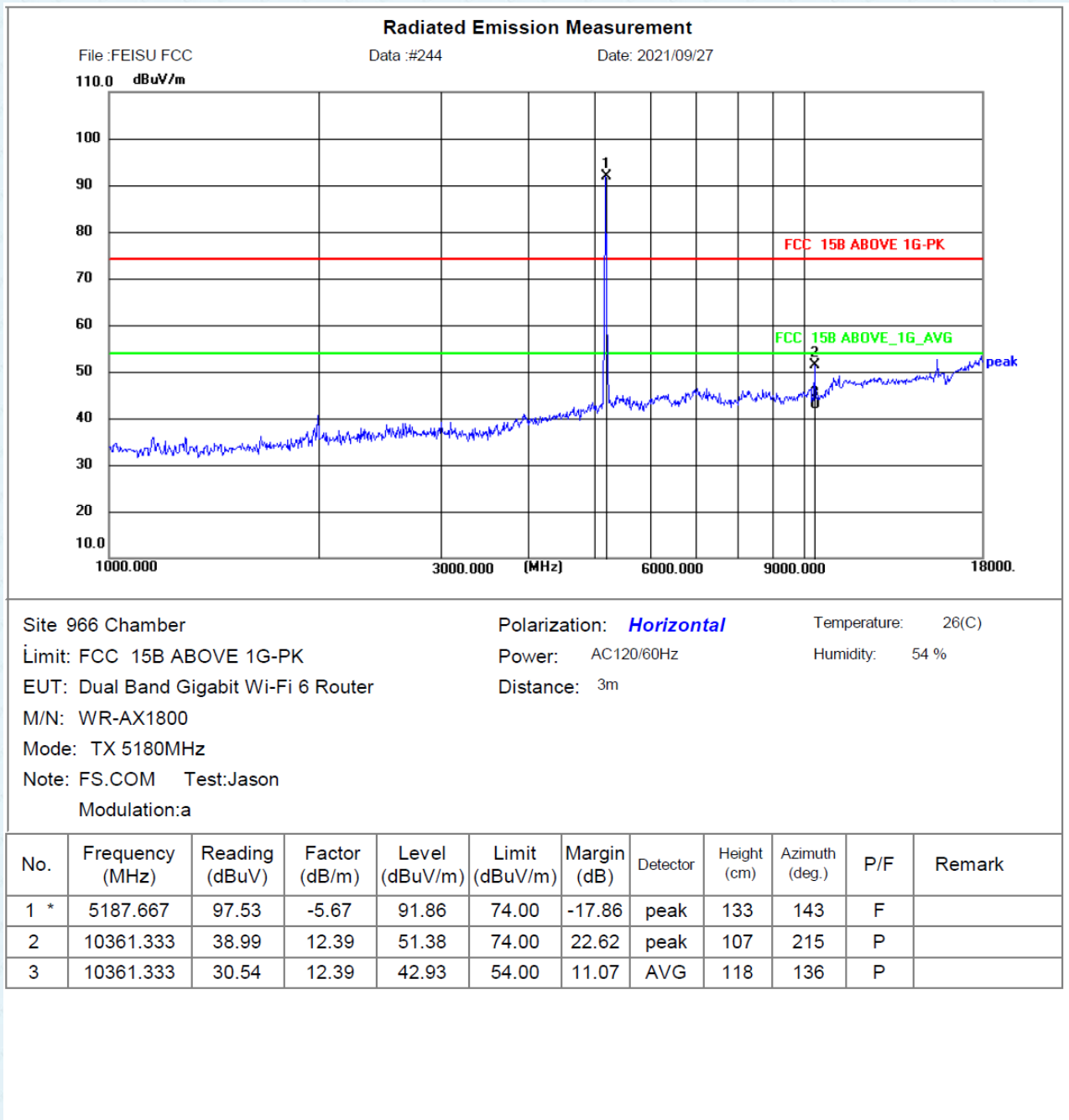


## Vertical: 802.11n HT20 (TX 5240MHz)

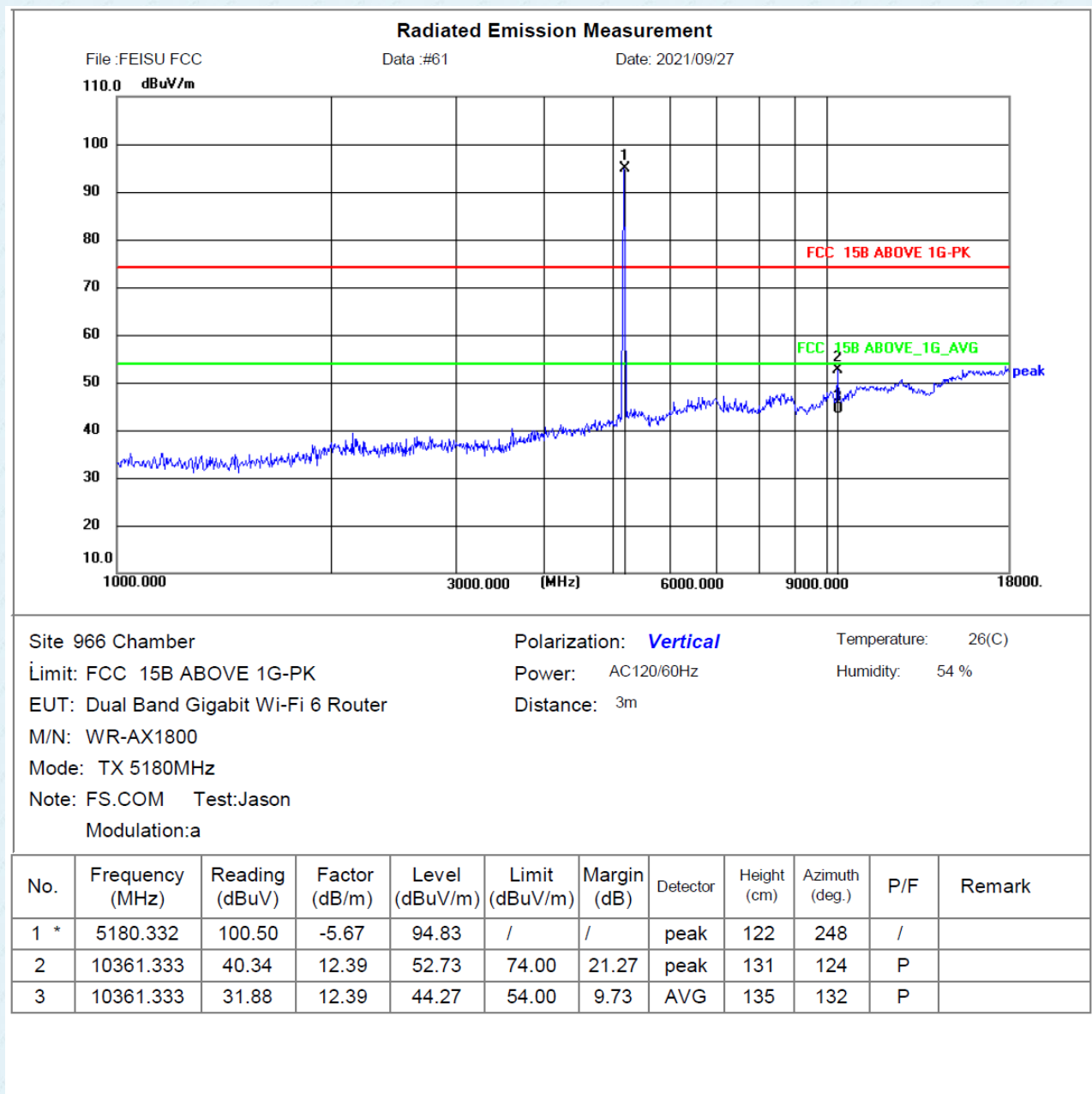


1GHz~18GHz

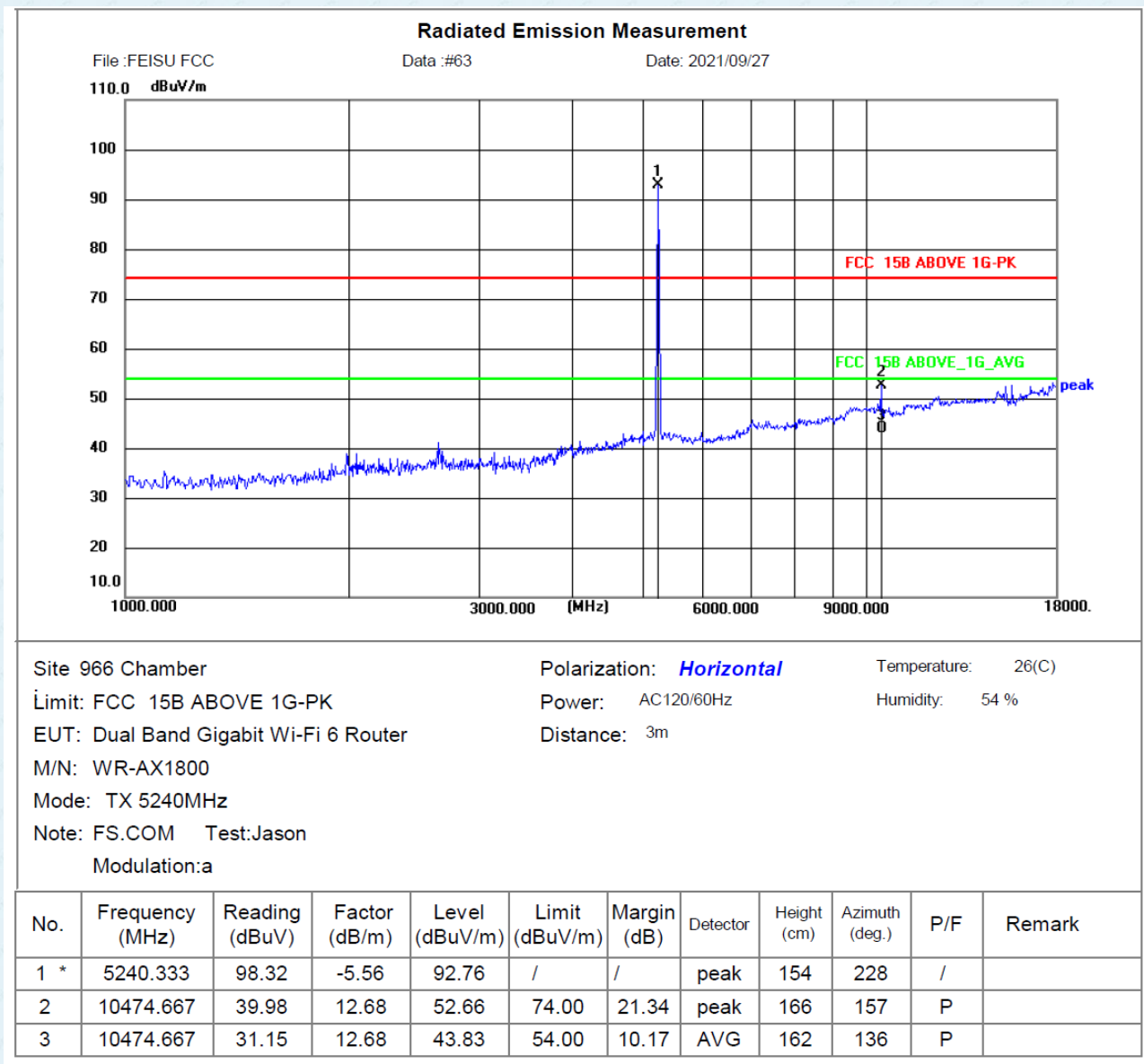
Horizontal: 802.11a (TX 5180MHz)



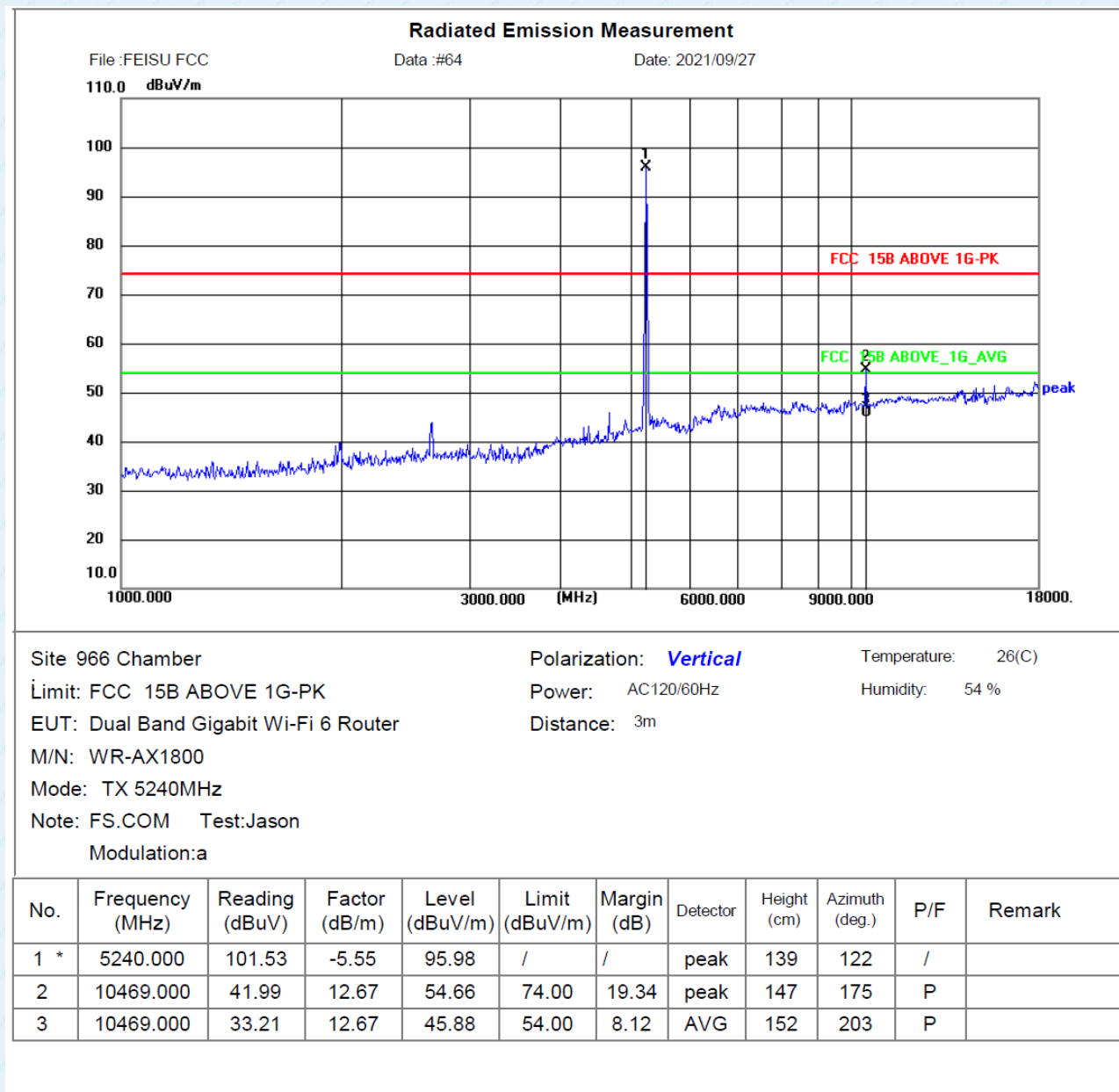
Vertical: 802.11a (TX 5180MHz)



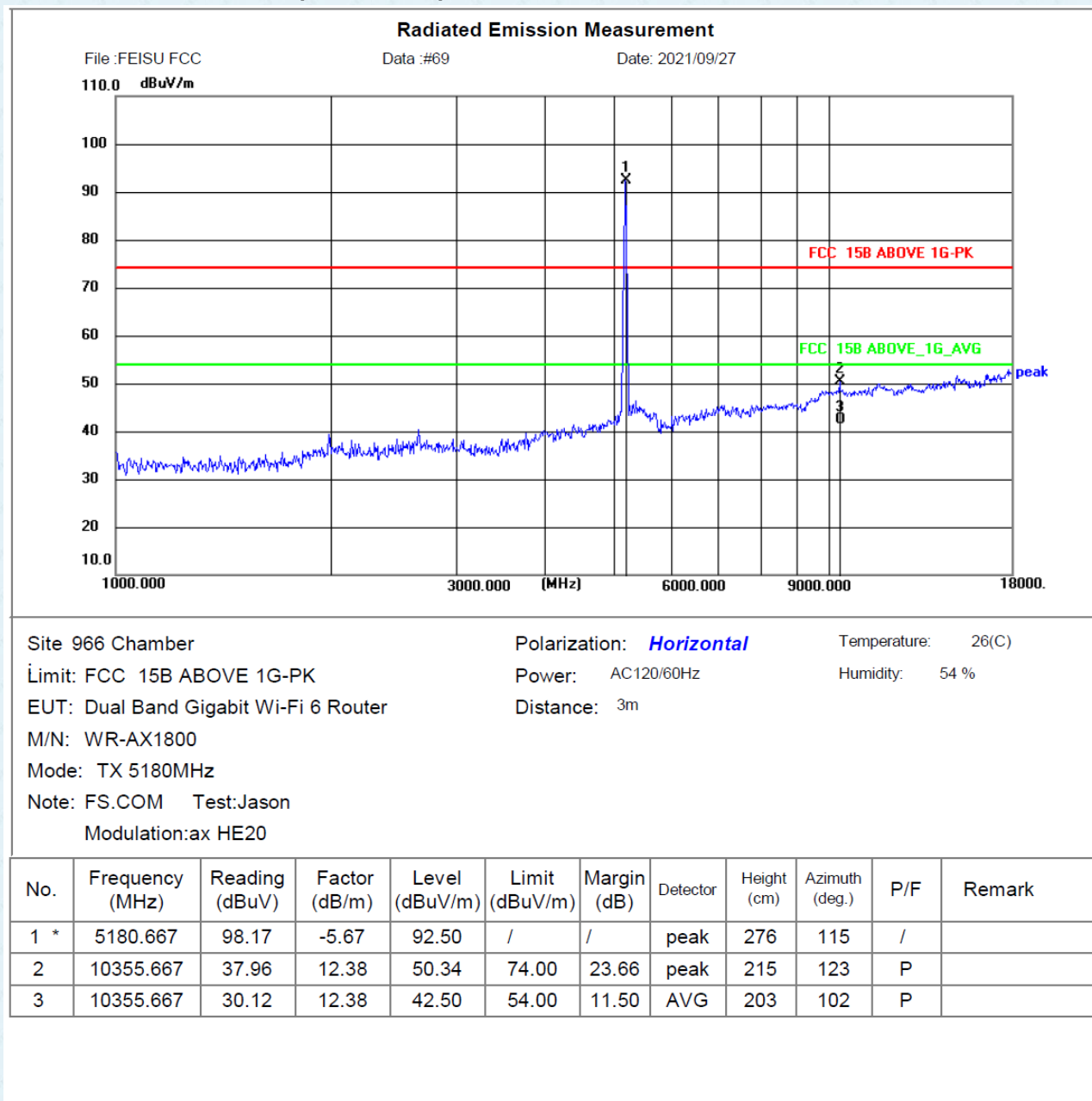
Horizontal: 802.11a (TX 5240MHz)



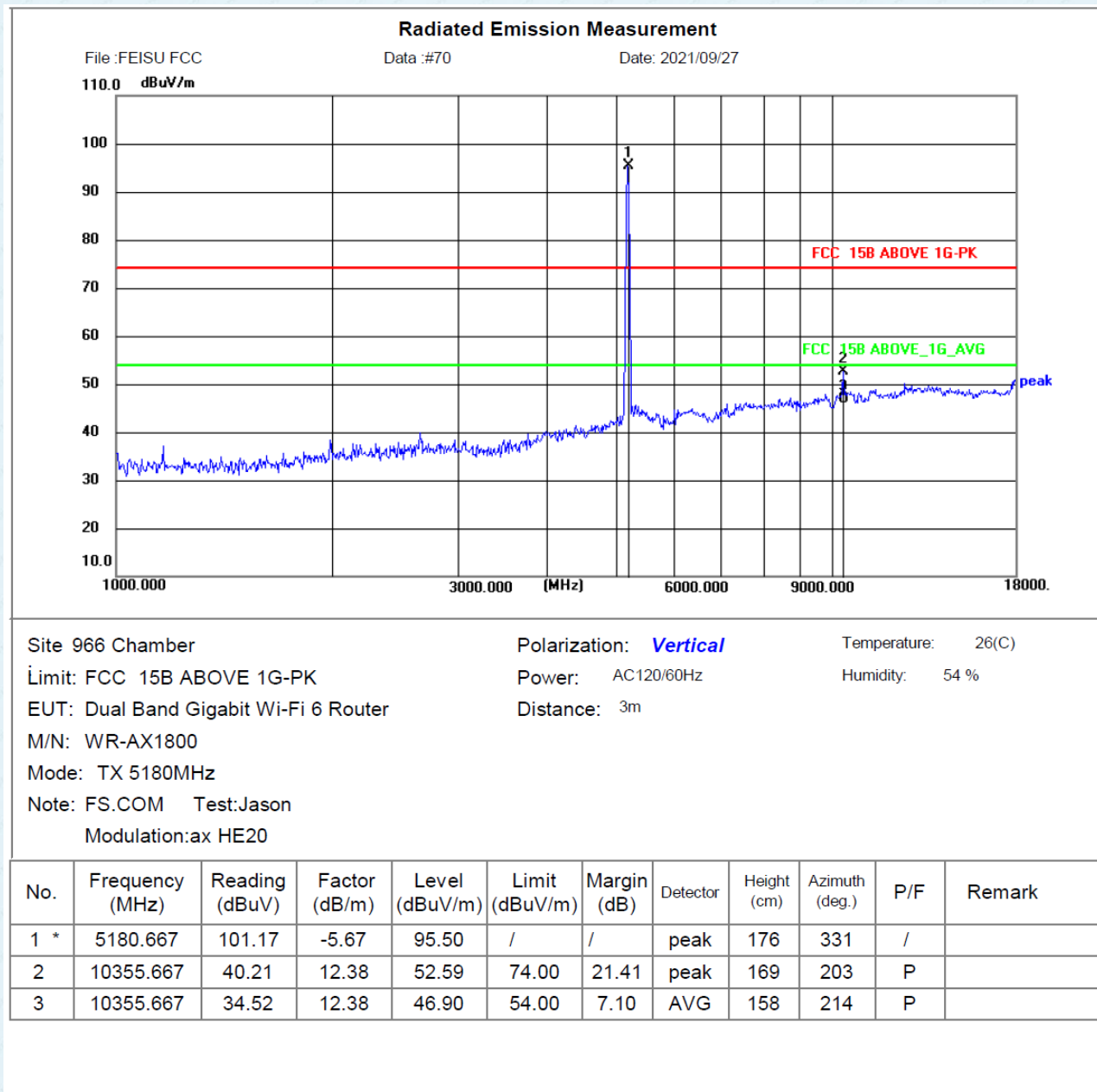
Vertical: 802.11a (TX 5240MHz)



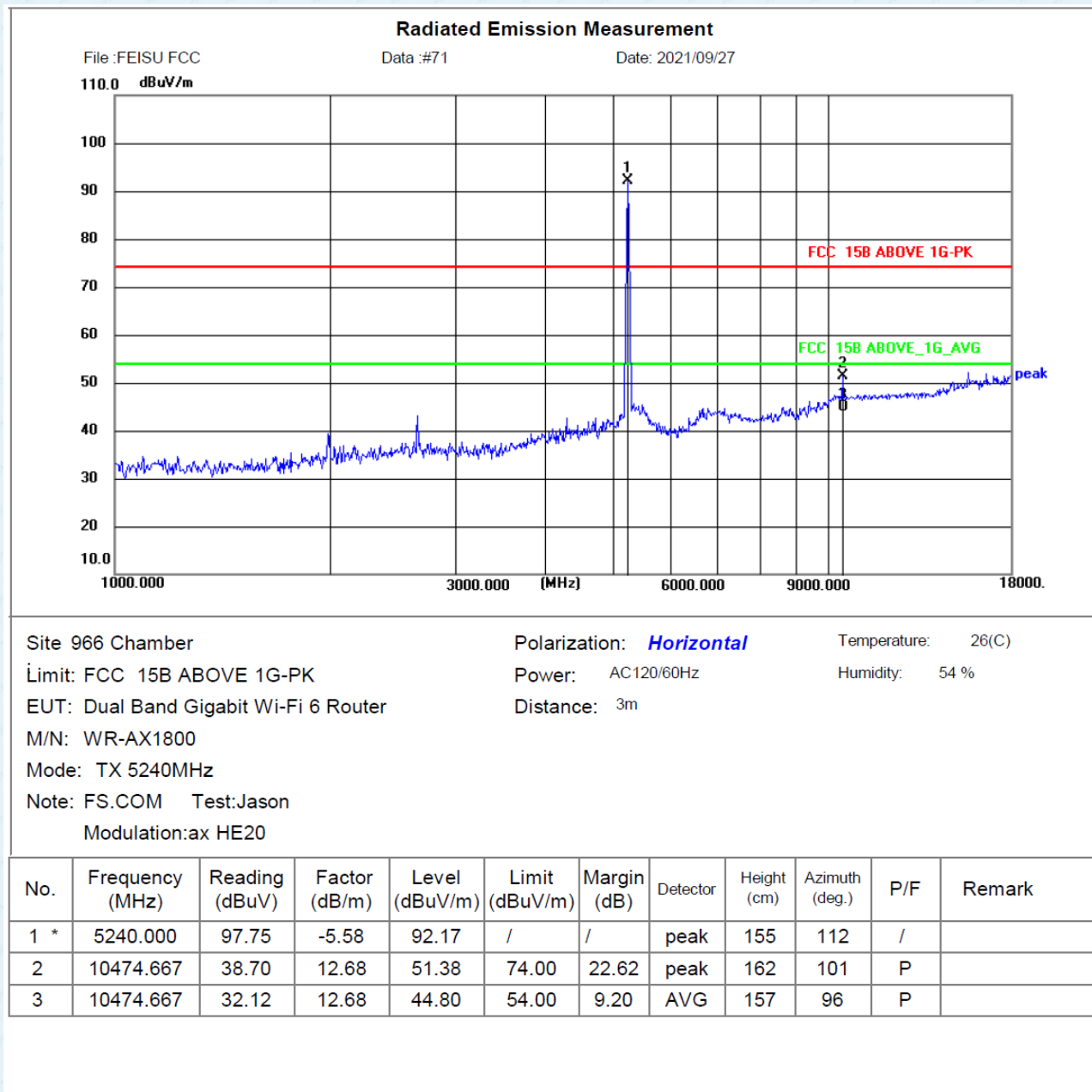
## Horizontal: 802.11ax HE20 (TX 5180MHz)



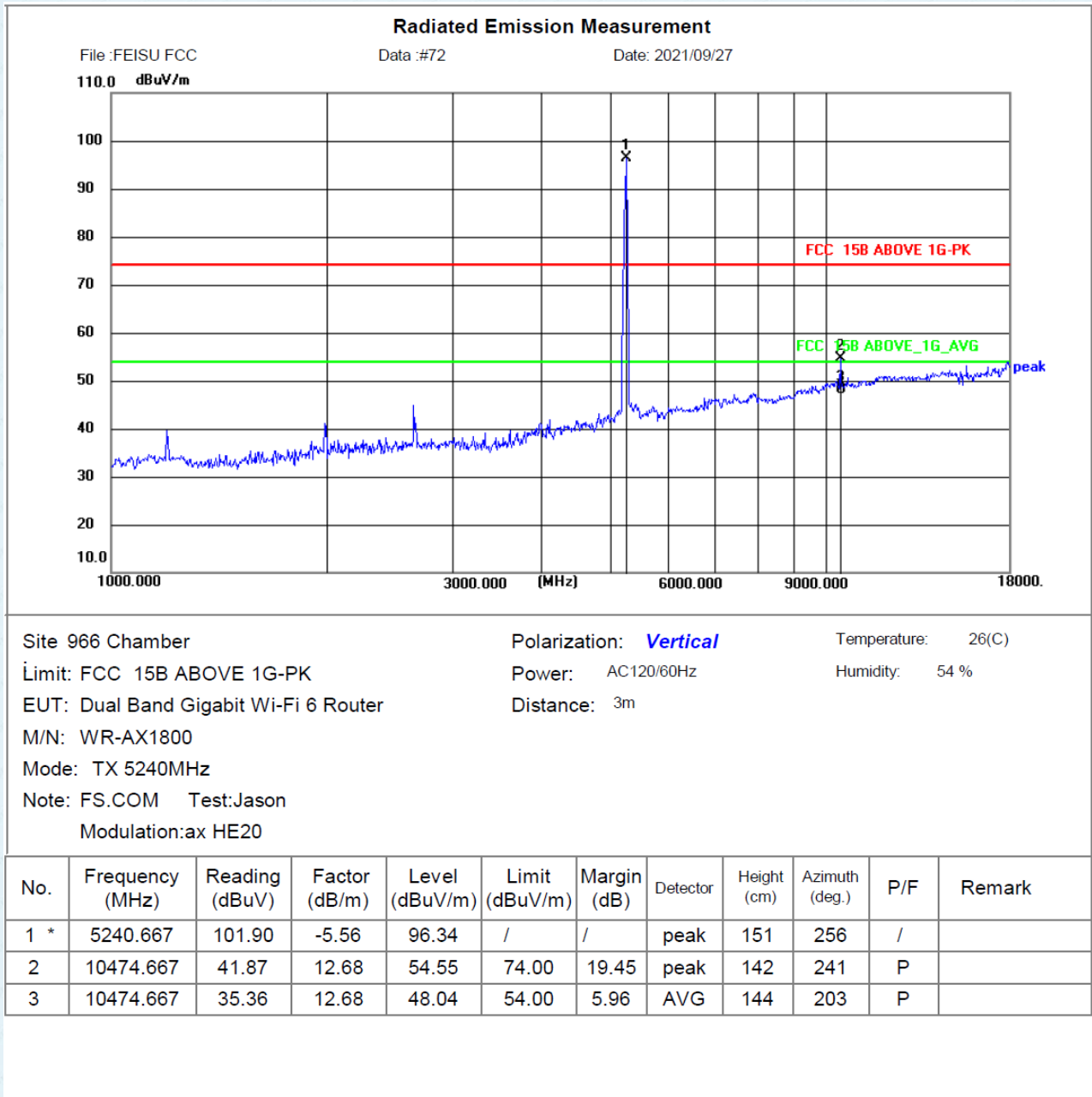
**Vertical: 802.11ax HE20 (TX 5180MHz)**



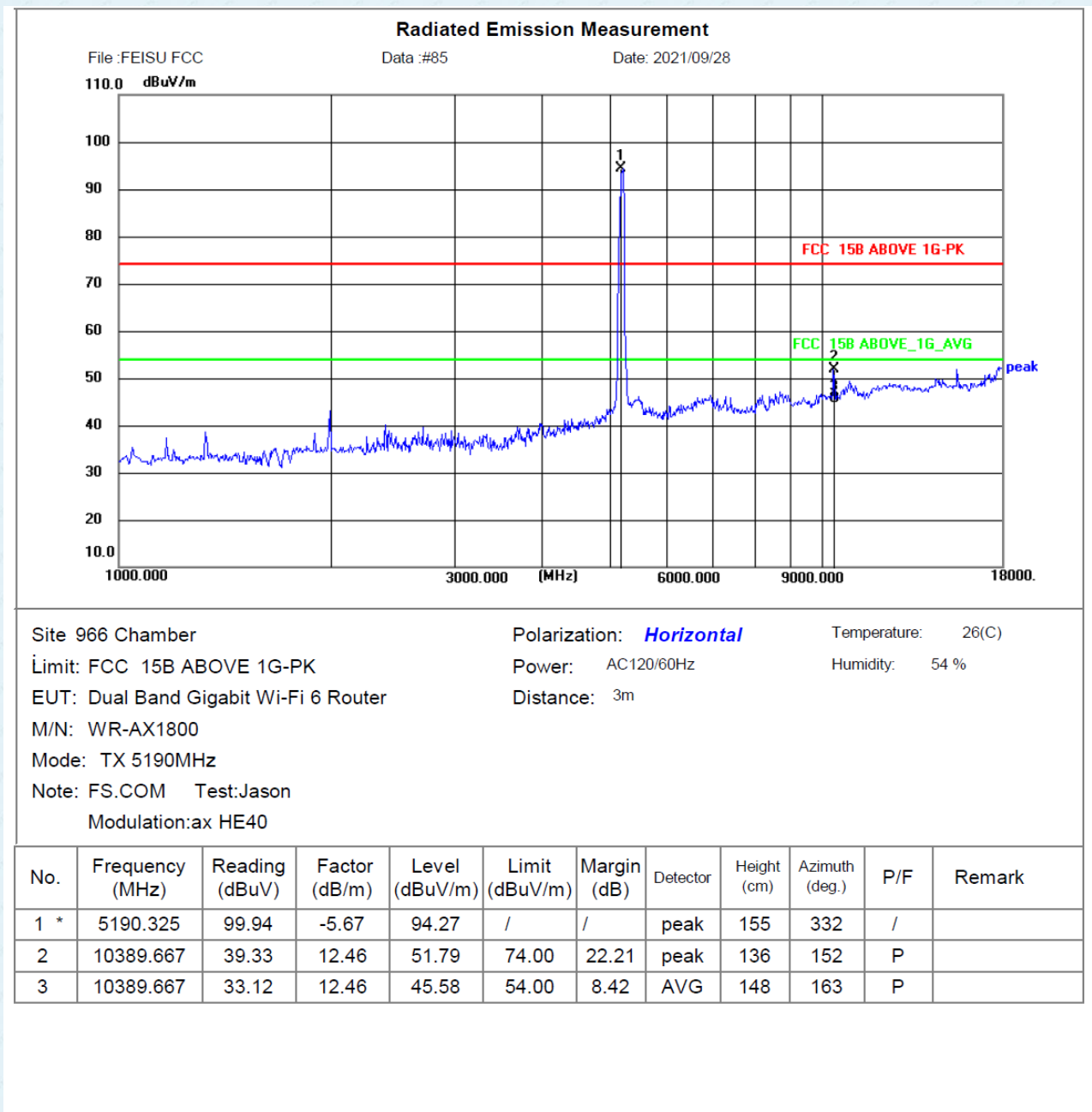
Horizontal: 802.11ax HE20 (TX 5240MHz)



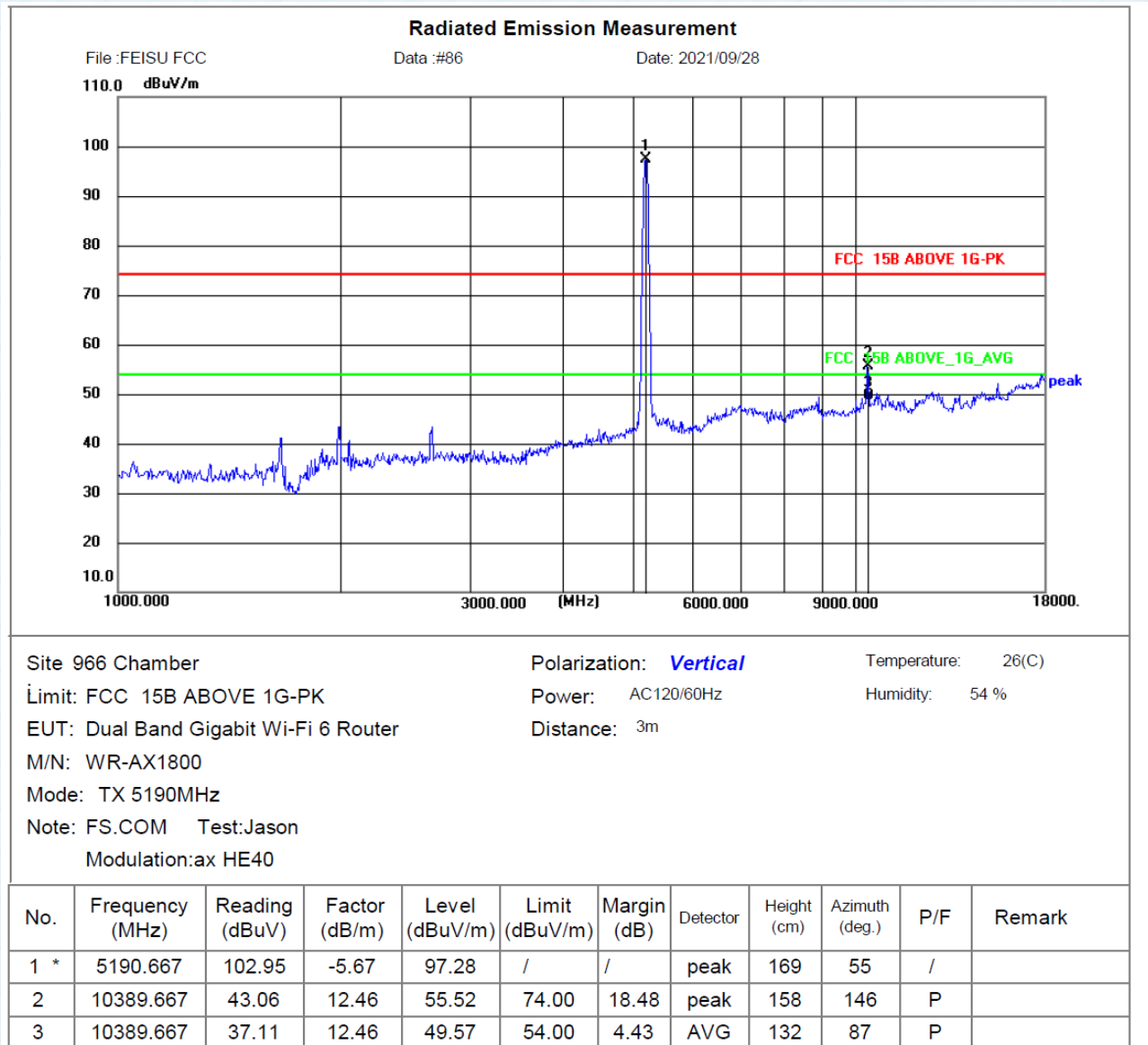
Horizontal: 802.11ax HE20 (TX 5240MHz)



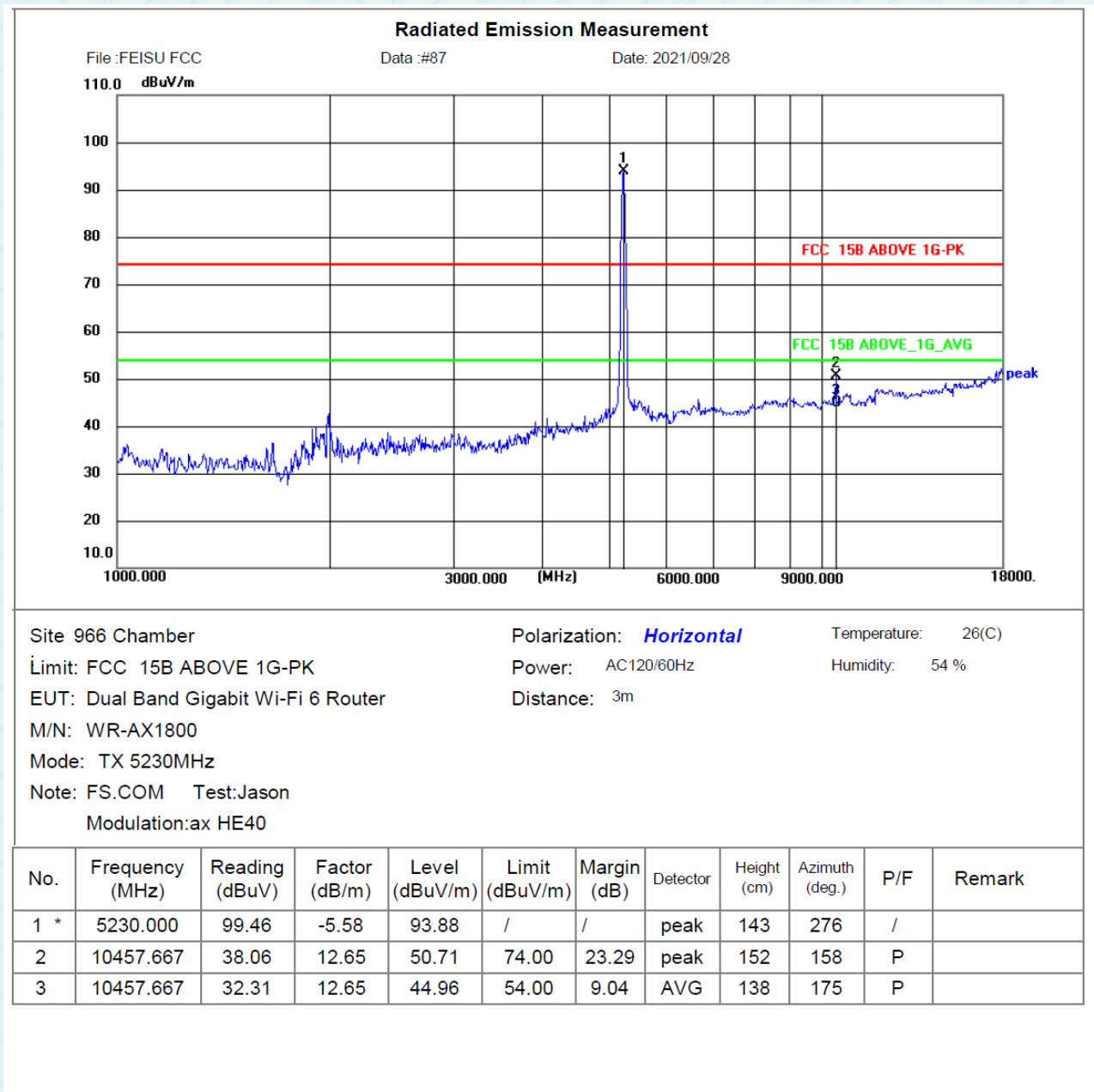
Horizontal: 802.11ax HE40 (TX 5190MHz)



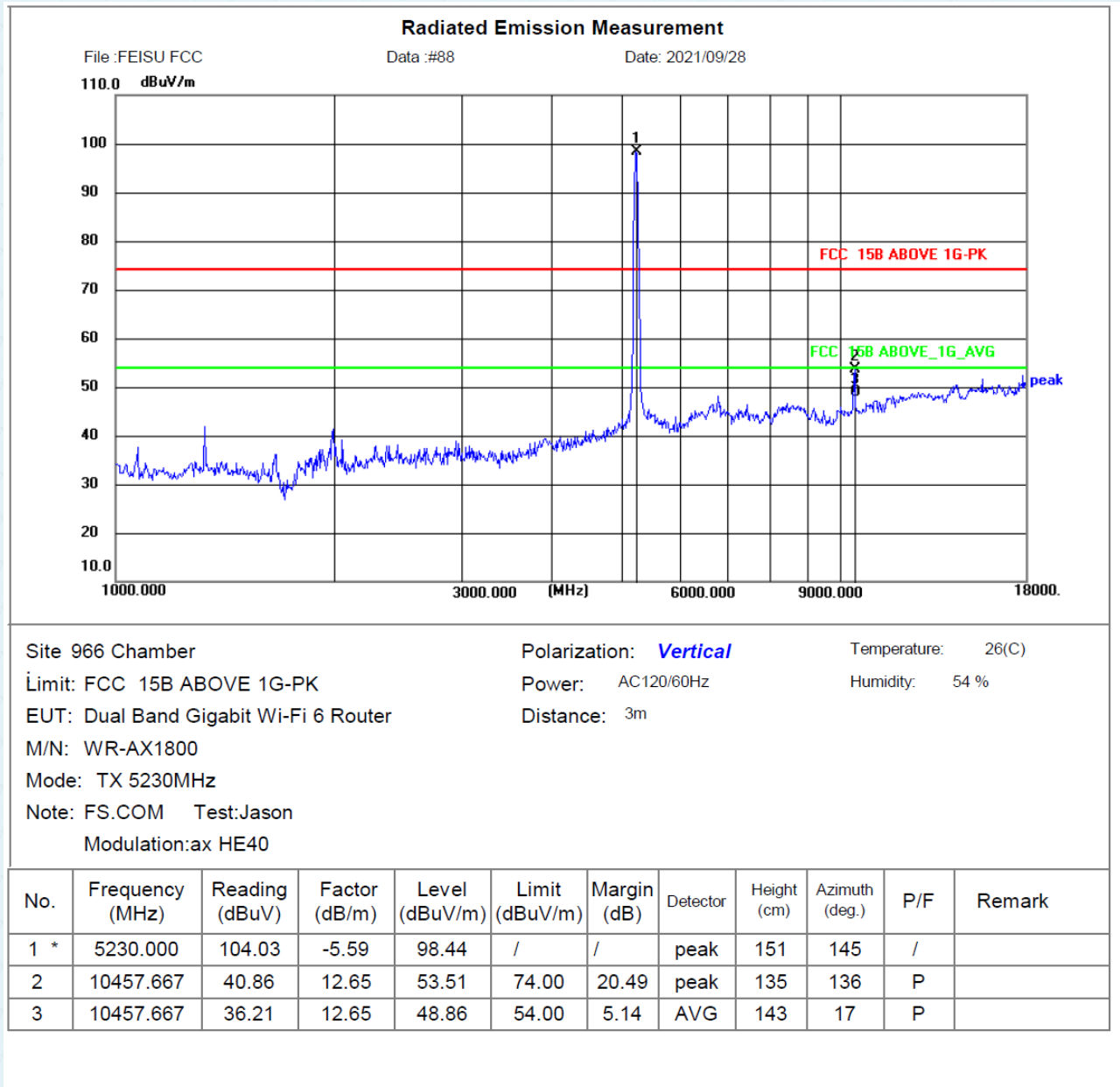
Vertical: 802.11ax HE40 (TX 5190MHz)



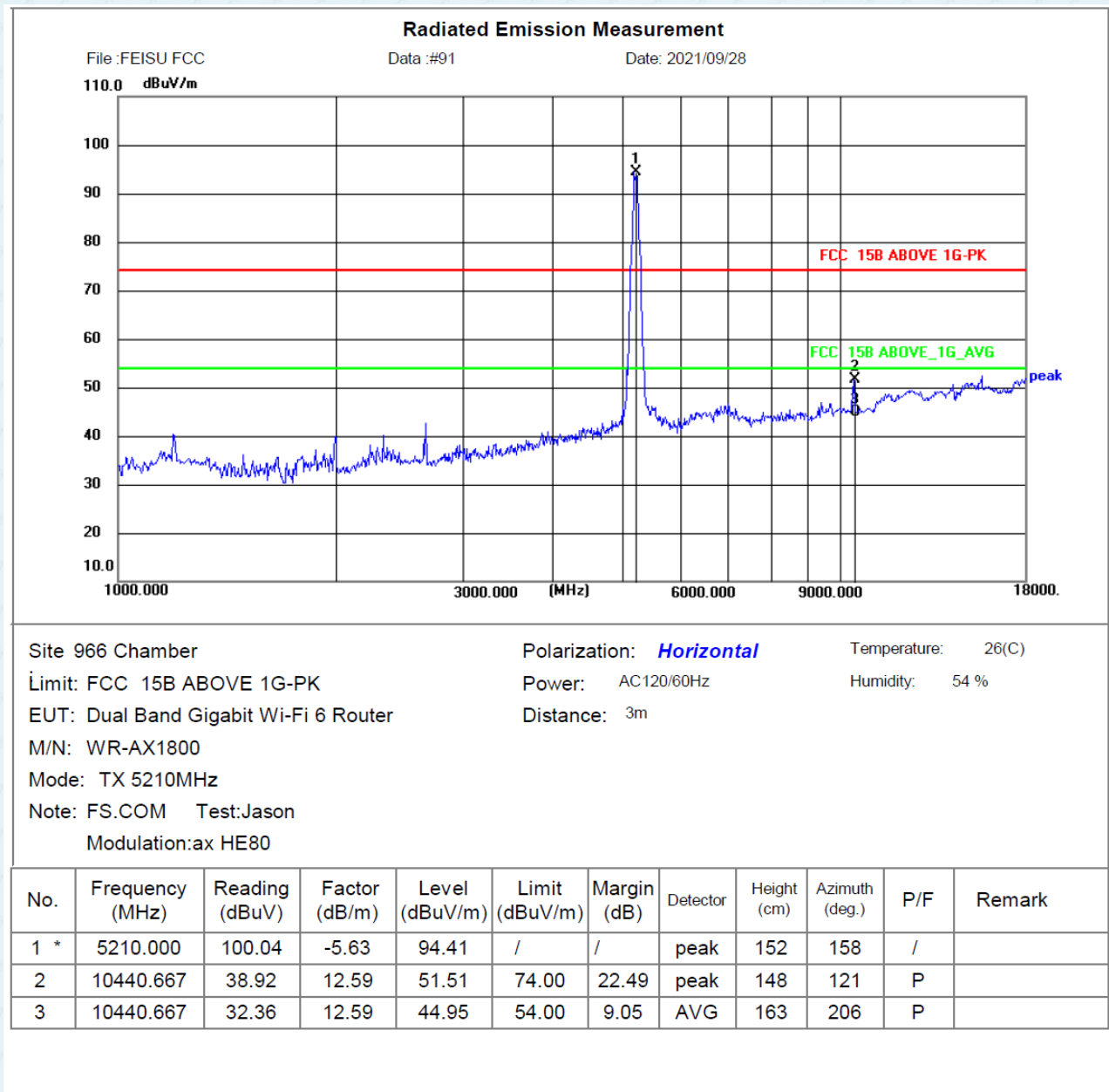
Horizontal: 802.11ax HE40 (TX 5230MHz)



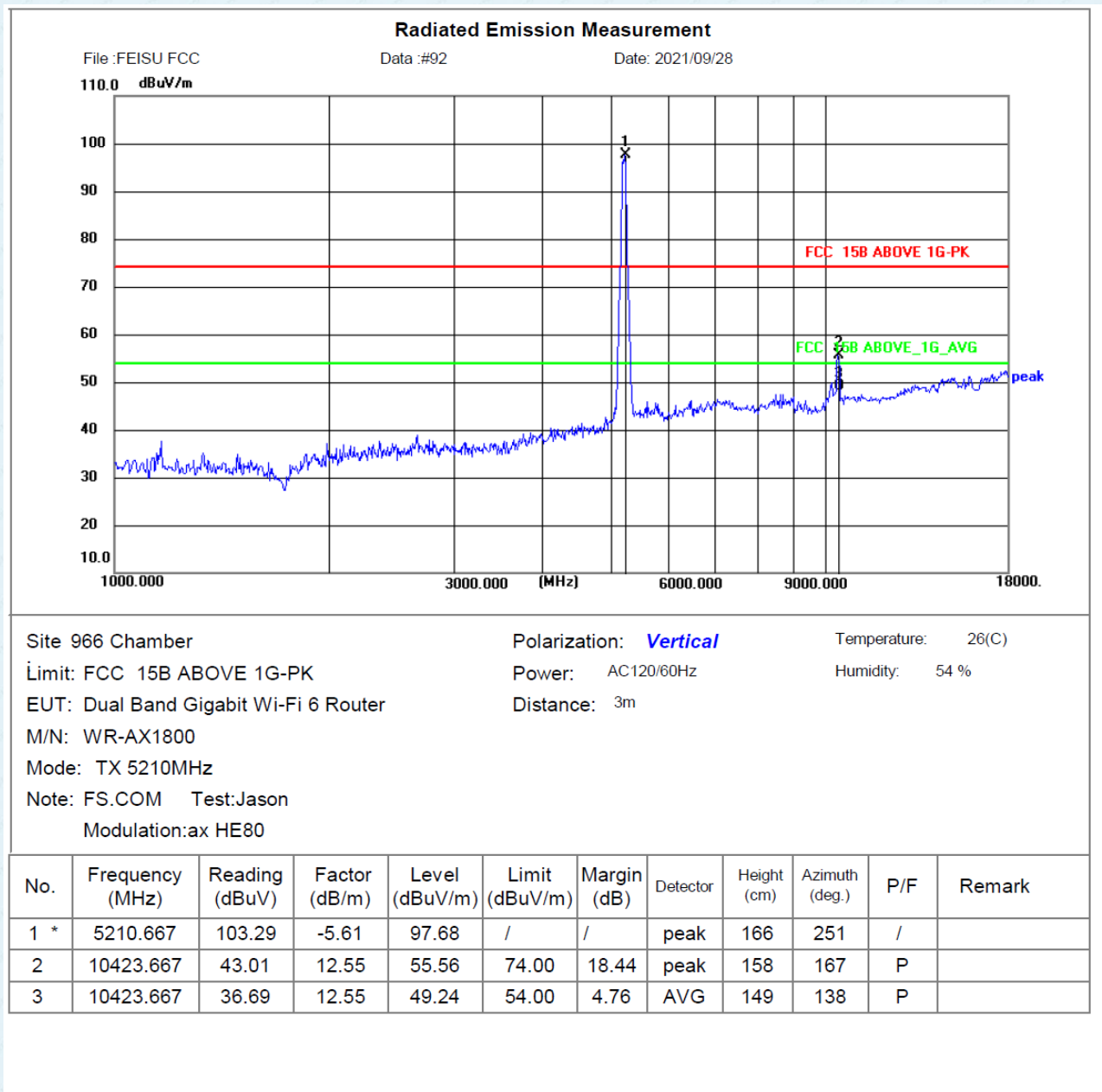
Vertical: 802.11ax HE40 (TX 5230MHz)



Horizontal: 802.11ax HE80 (TX 5210MHz)

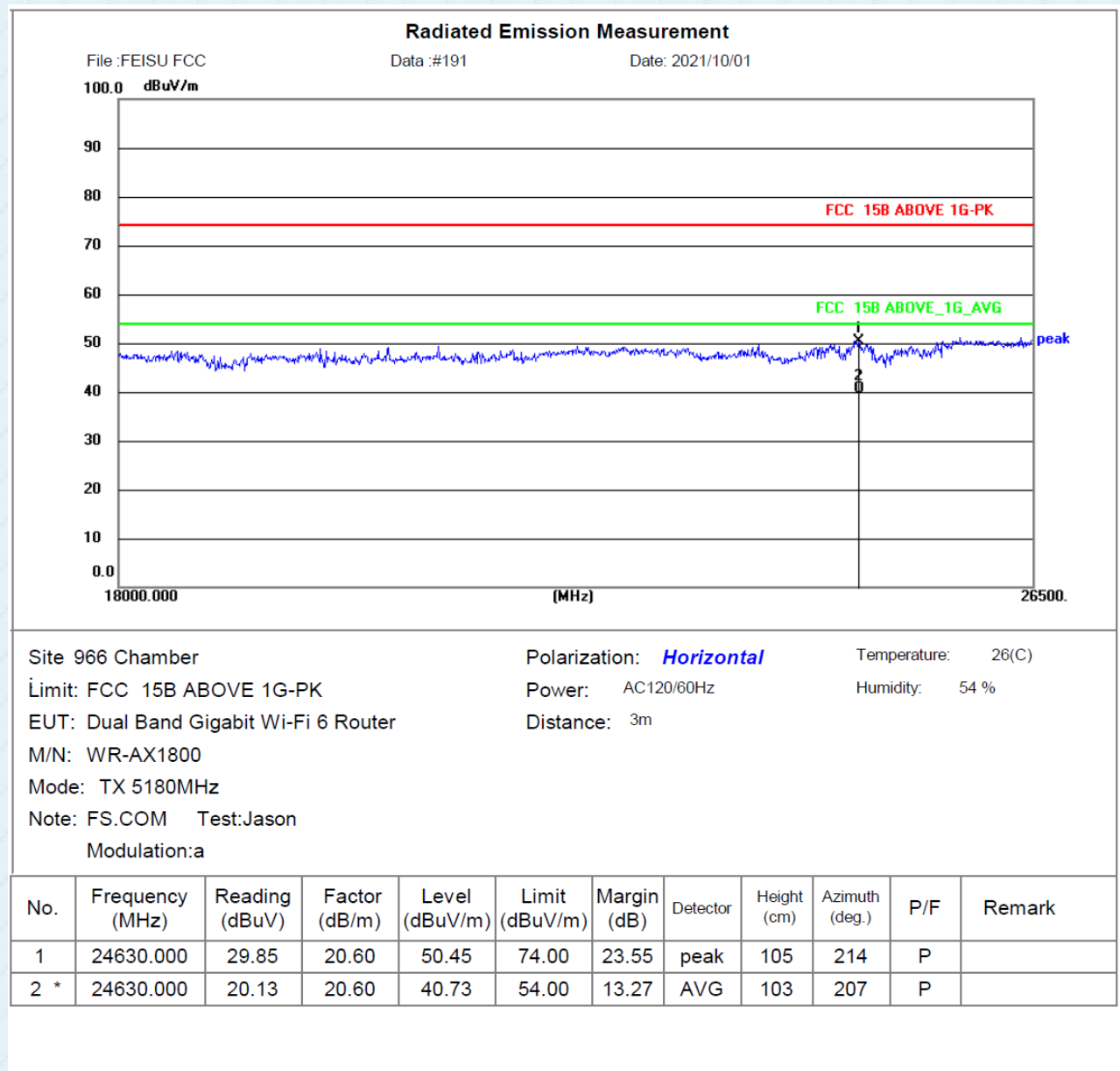


Vertical: 802.11ax HE80 (TX 5210MHz)

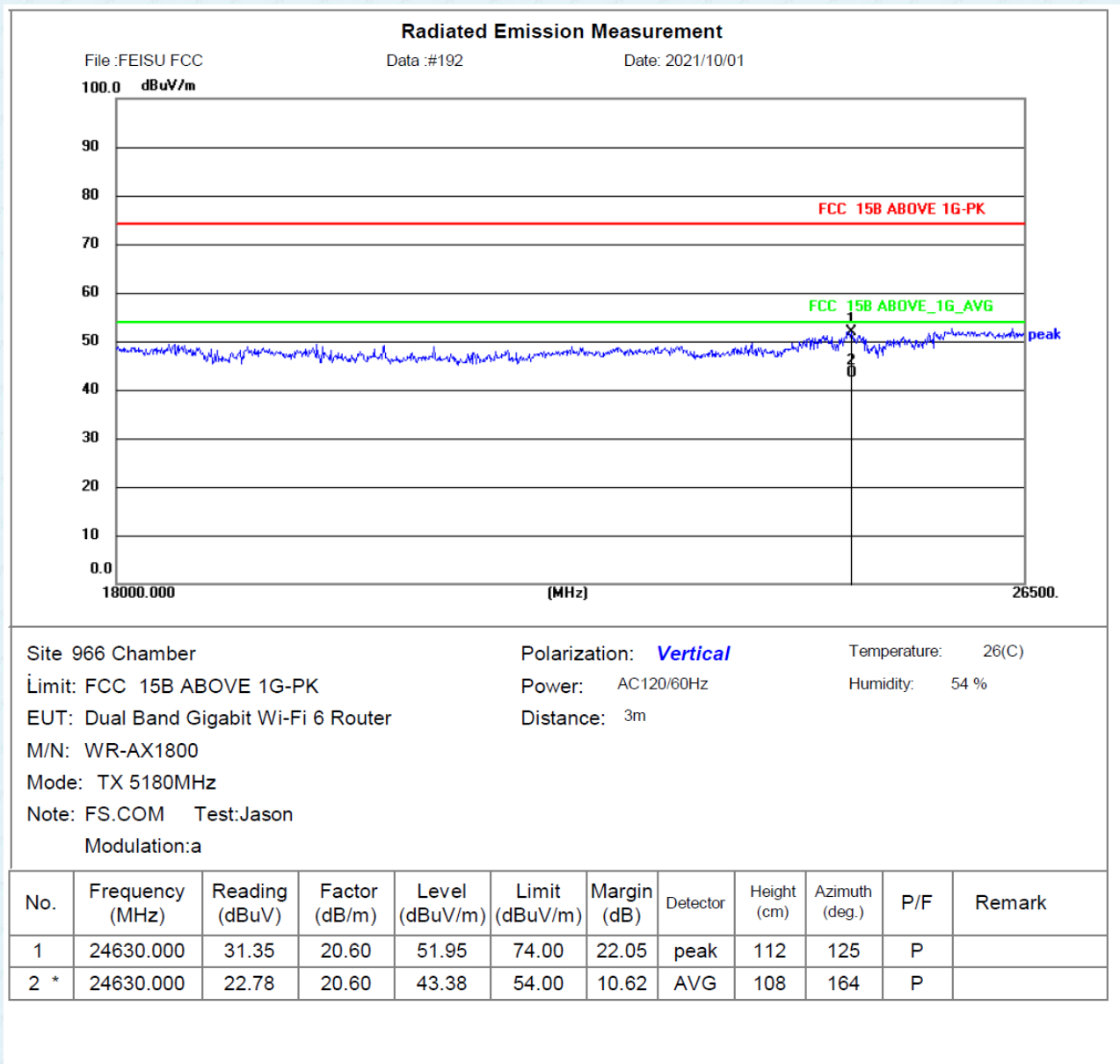


18GHz~ 25GHz

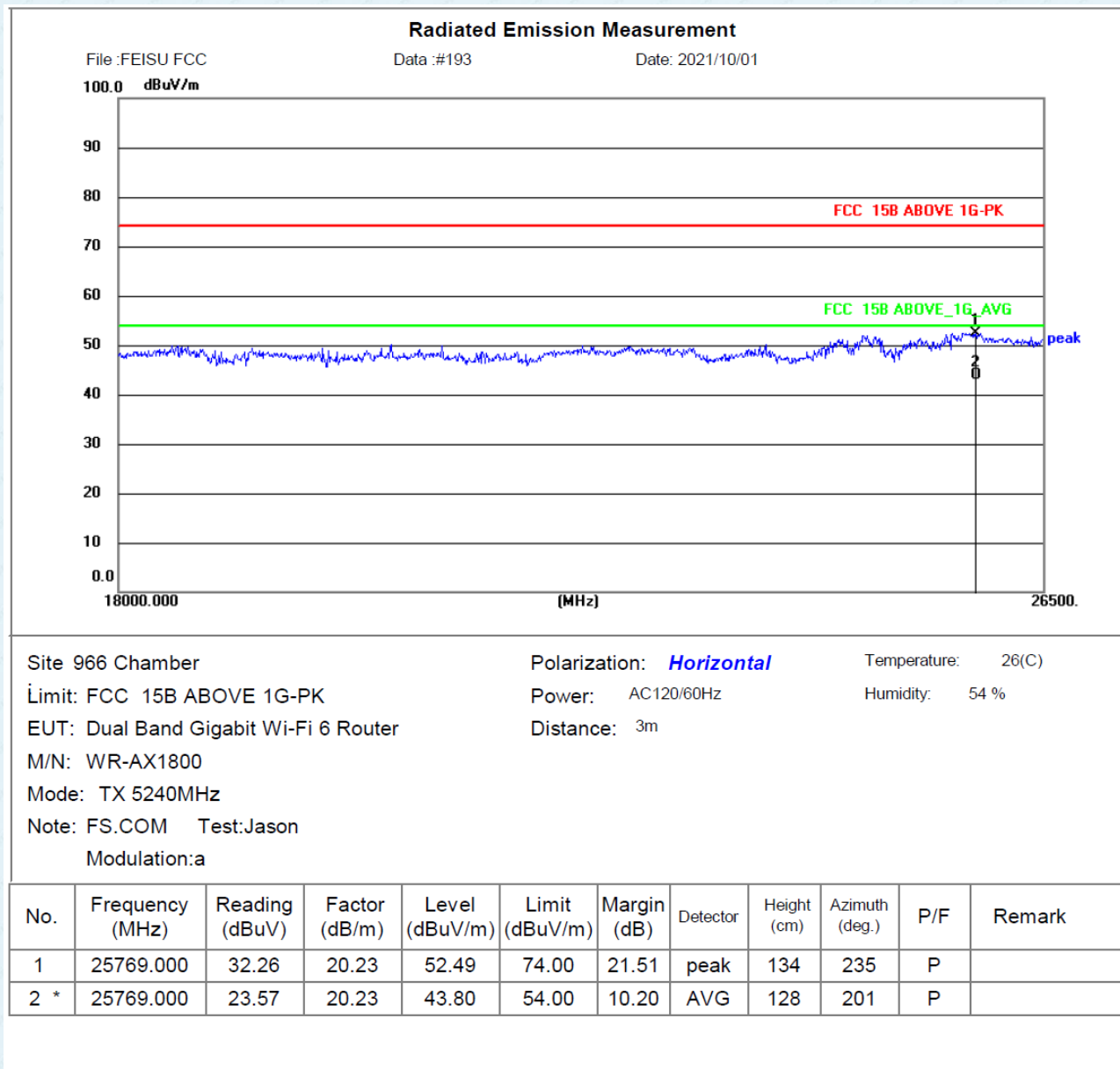
Horizontal: 802.11a (TX 5180MHz)



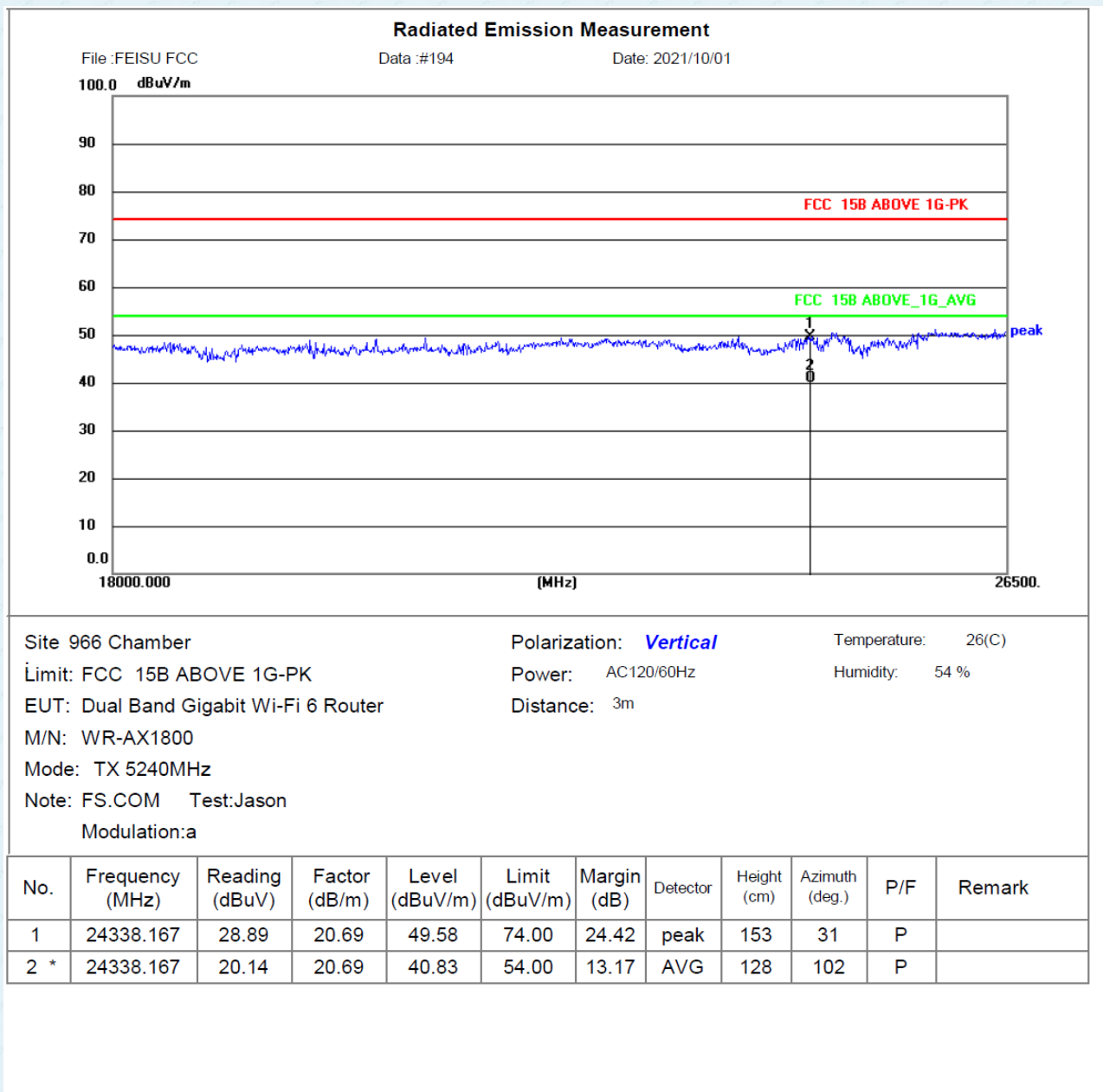
Vertical: 802.11a (TX 5180MHz)



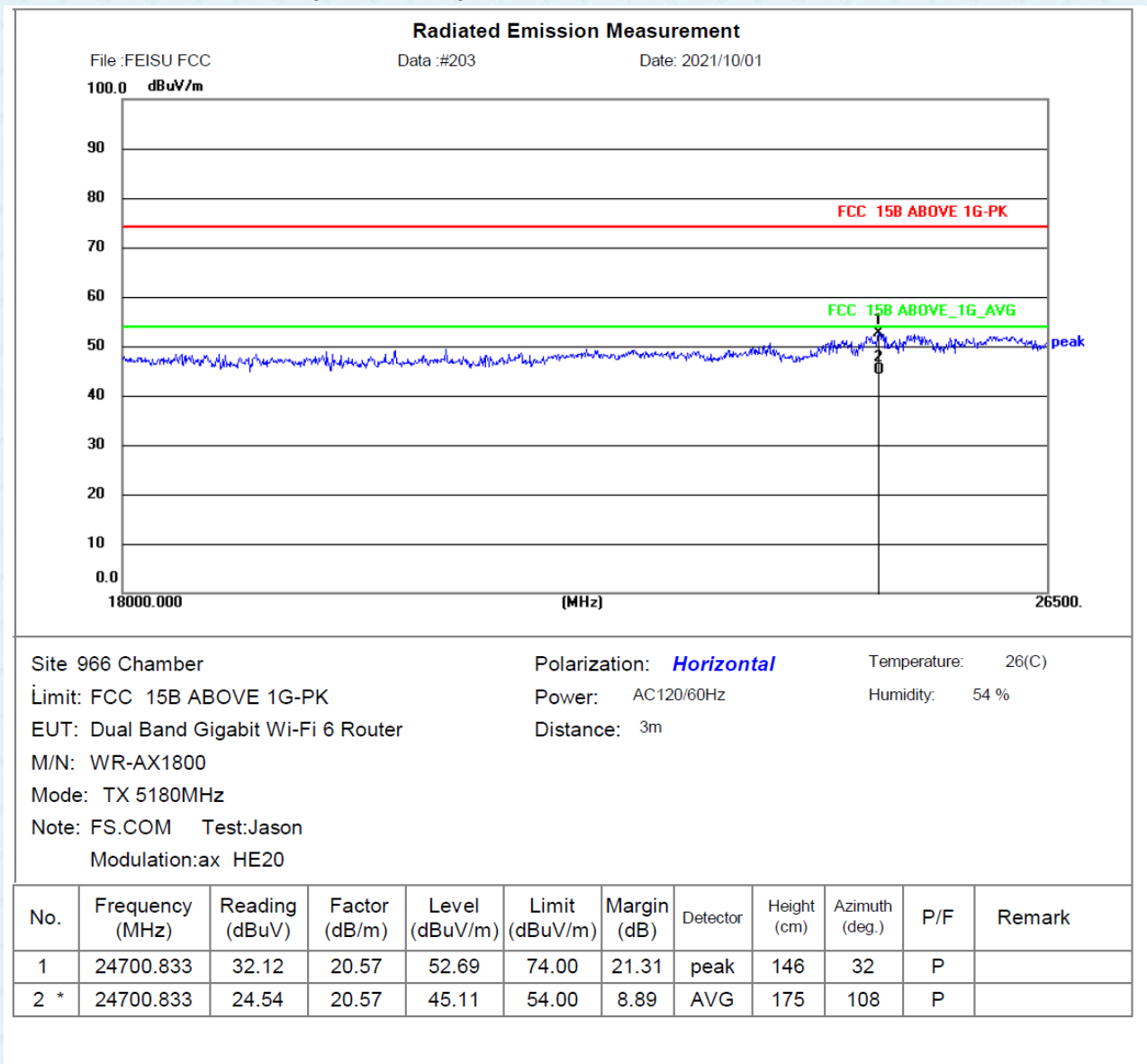
Horizontal: 802.11a (TX 5240MHz)



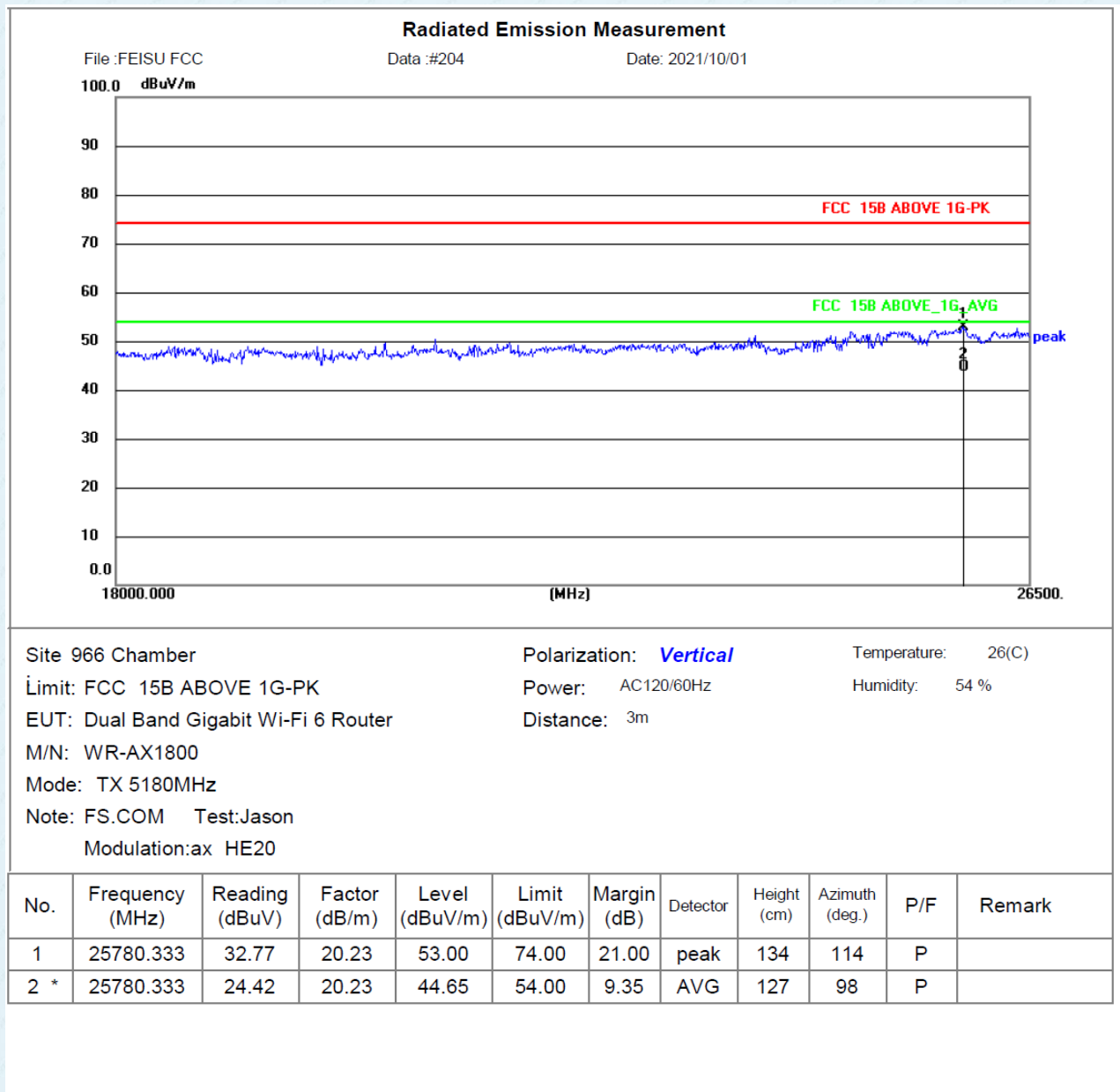
Vertical: 802.11a (TX 5240MHz)



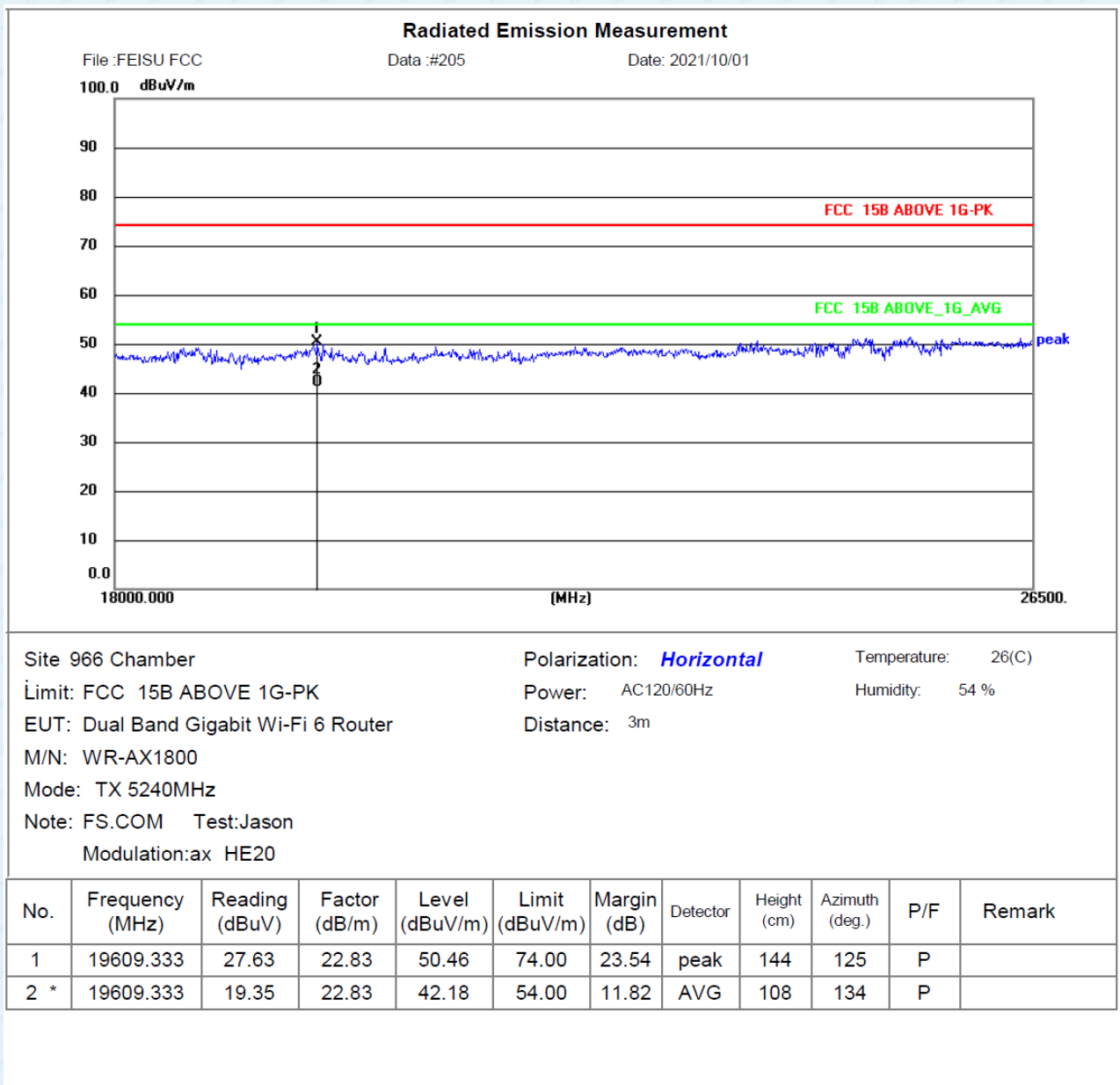
## Horizontal: 802.11ax HE20 (TX 5180MHz)



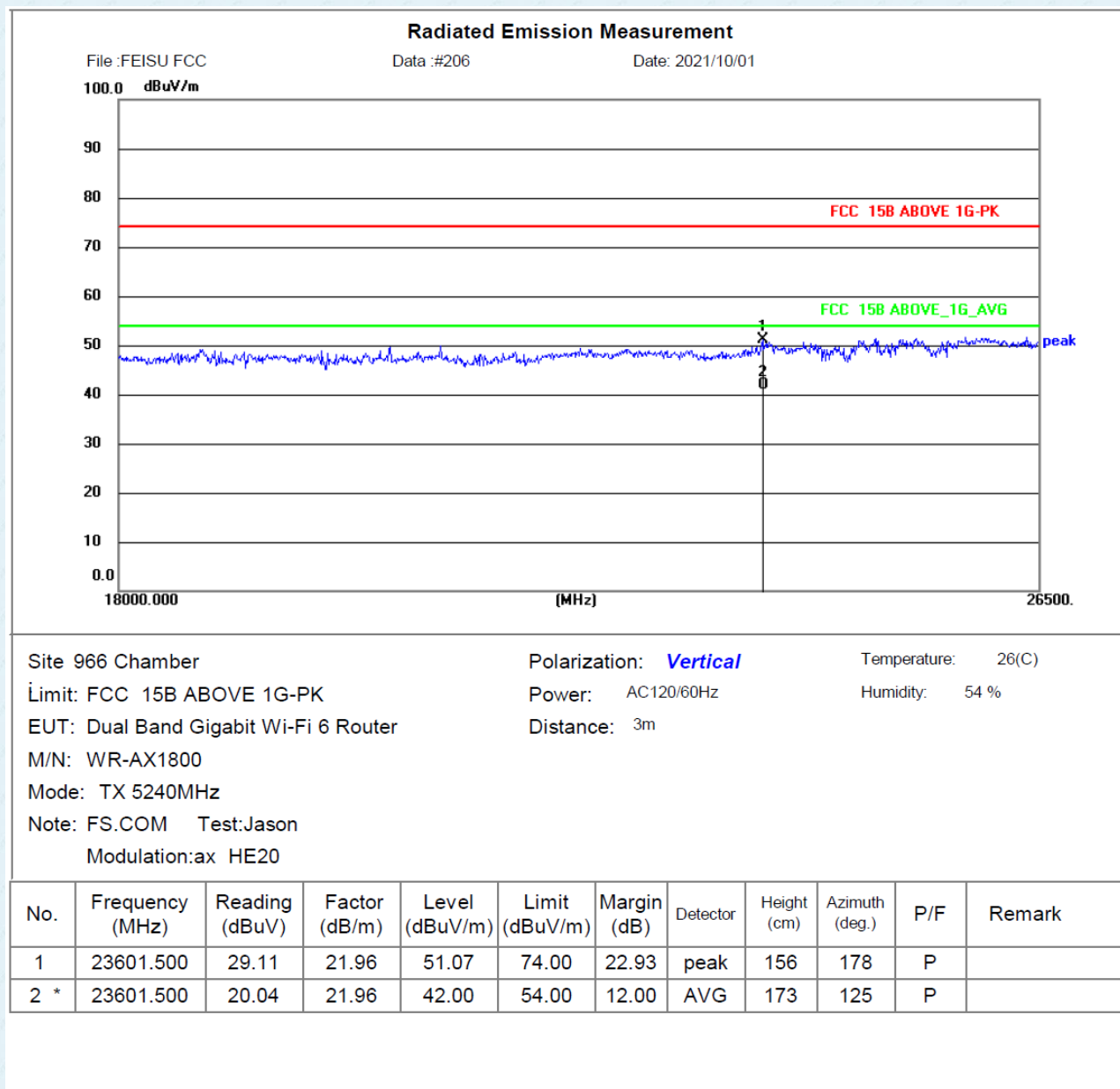
## Vertical: 802.11ax HE20 (TX 5180MHz)

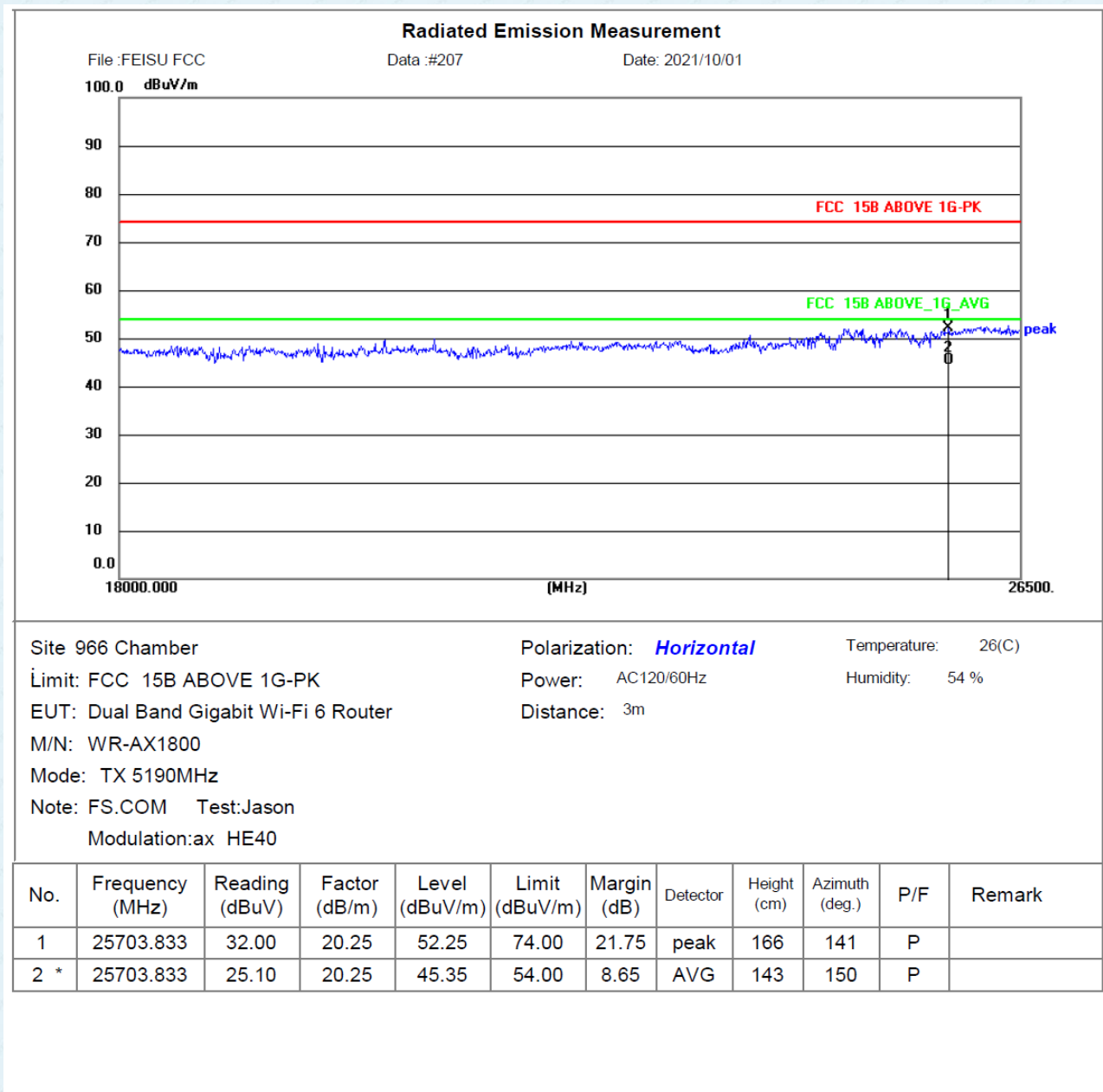


## Horizontal: 802.11ax HE20 (TX 5240MHz)

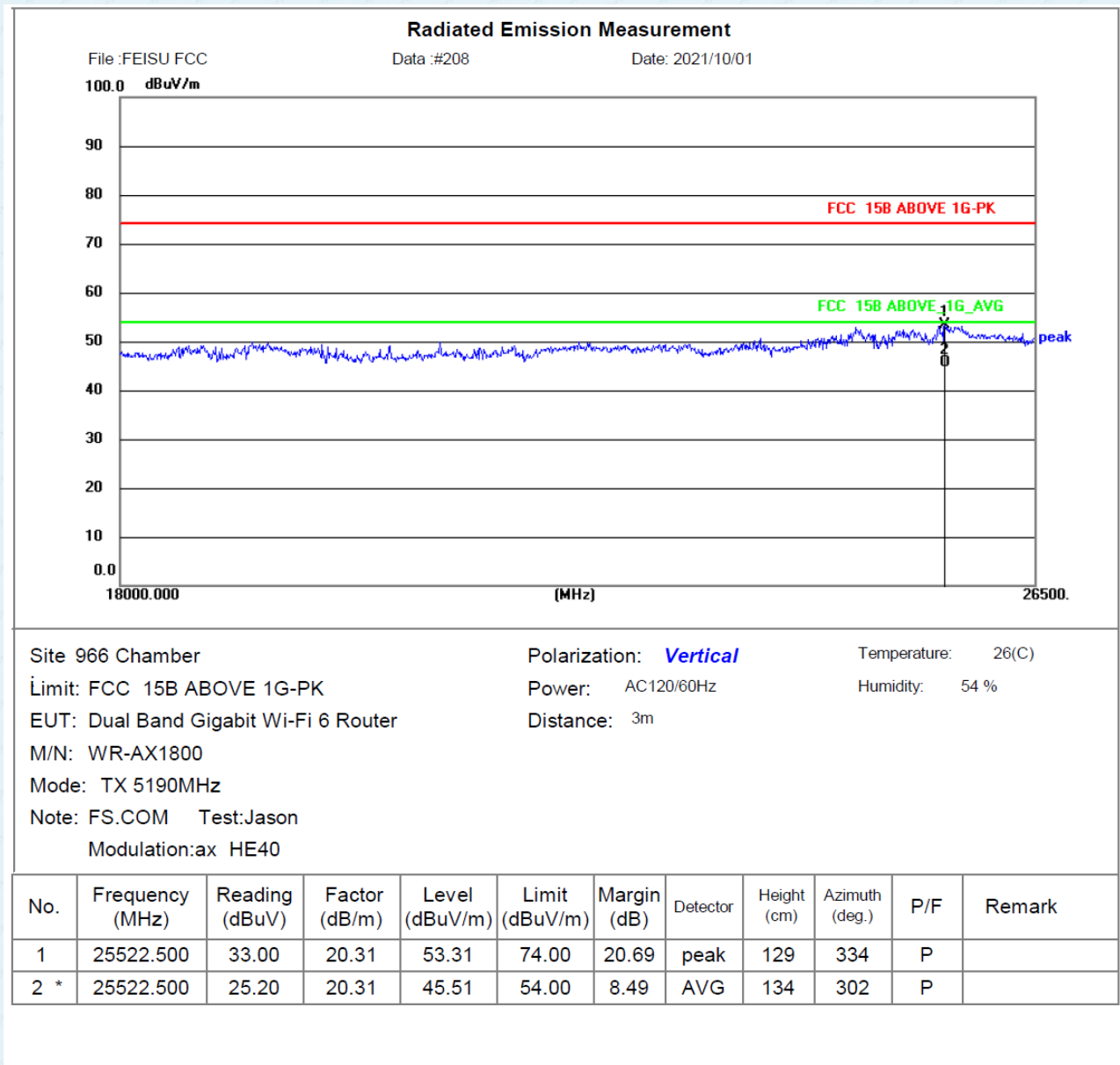


**Vertical: 802.11ax HE20 (TX 5240MHz)**

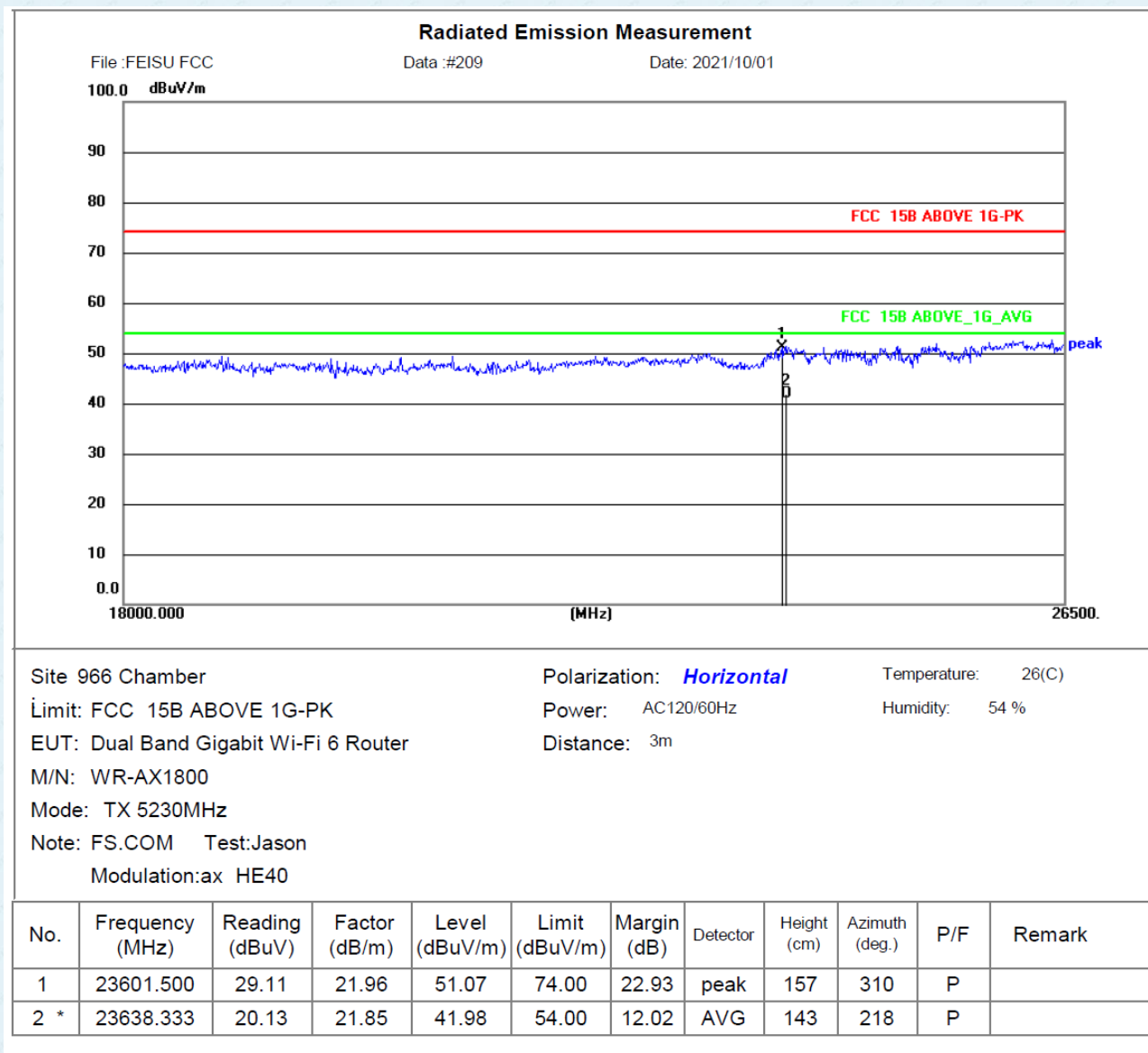


**Horizontal: 802.11ax HE40 (TX 5190MHz)**


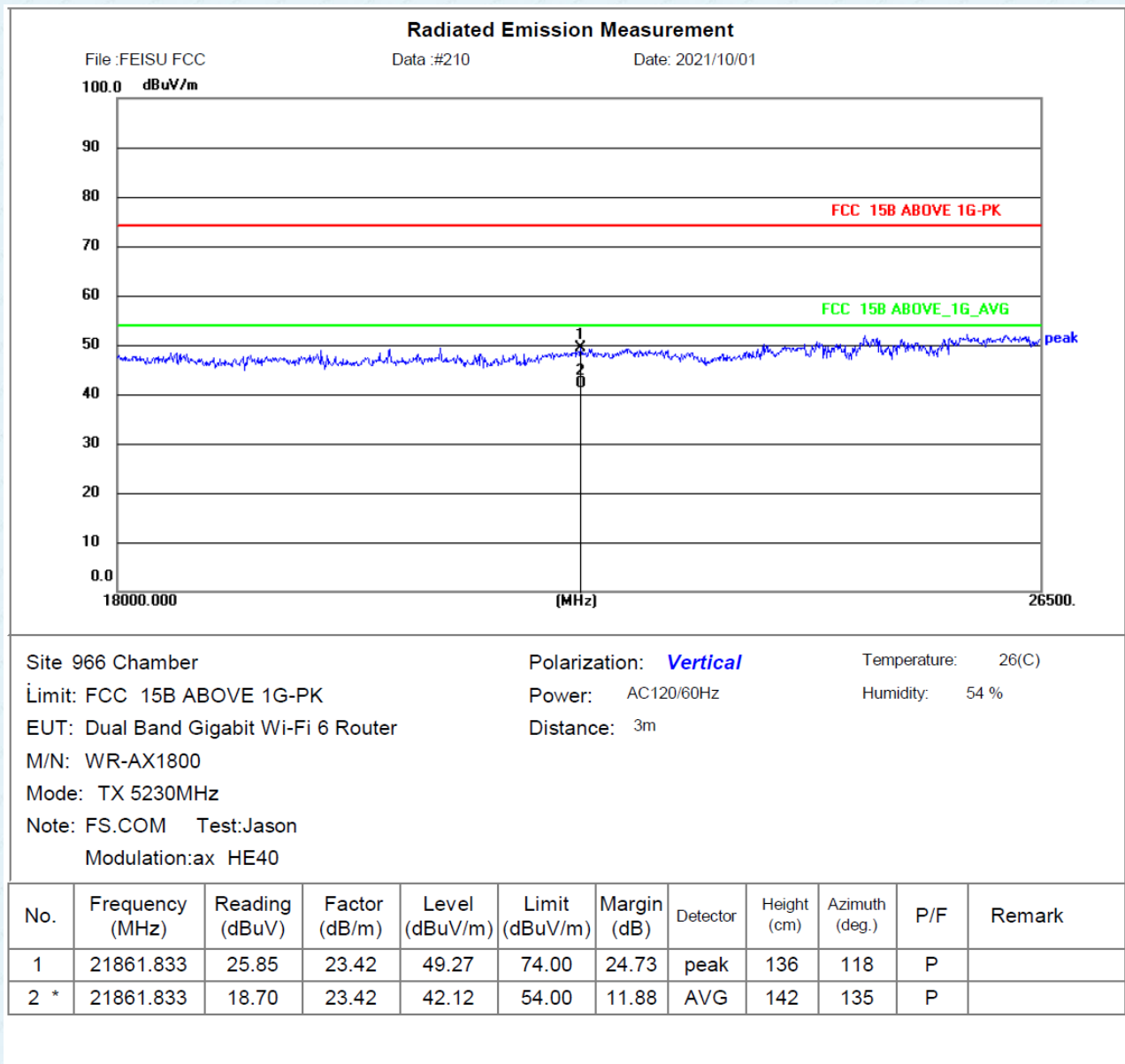
Vertical: 802.11ax HE40 (TX 5190MHz)



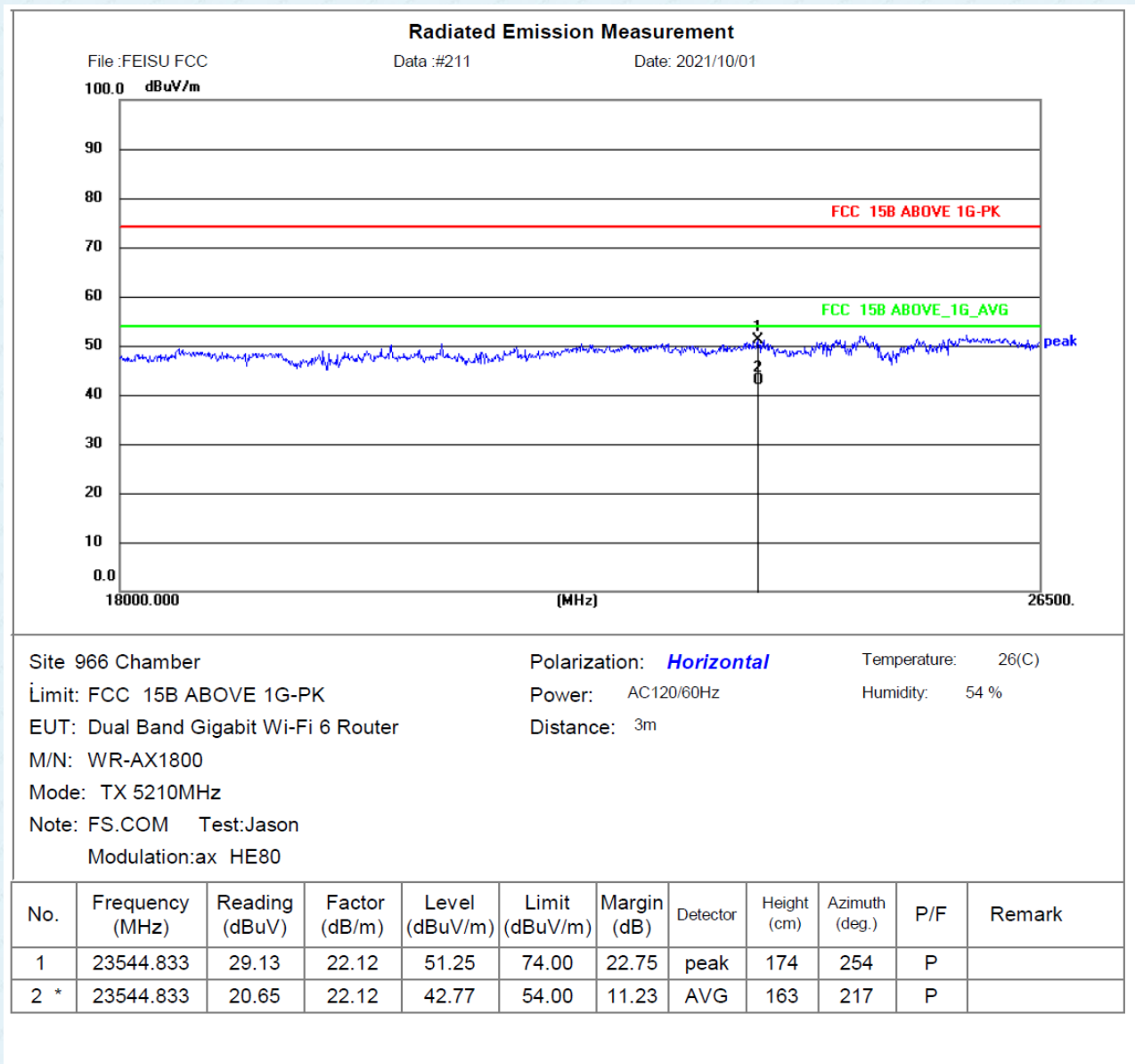
**Horizontal: 802.11ax HE40 (TX 5230MHz)**



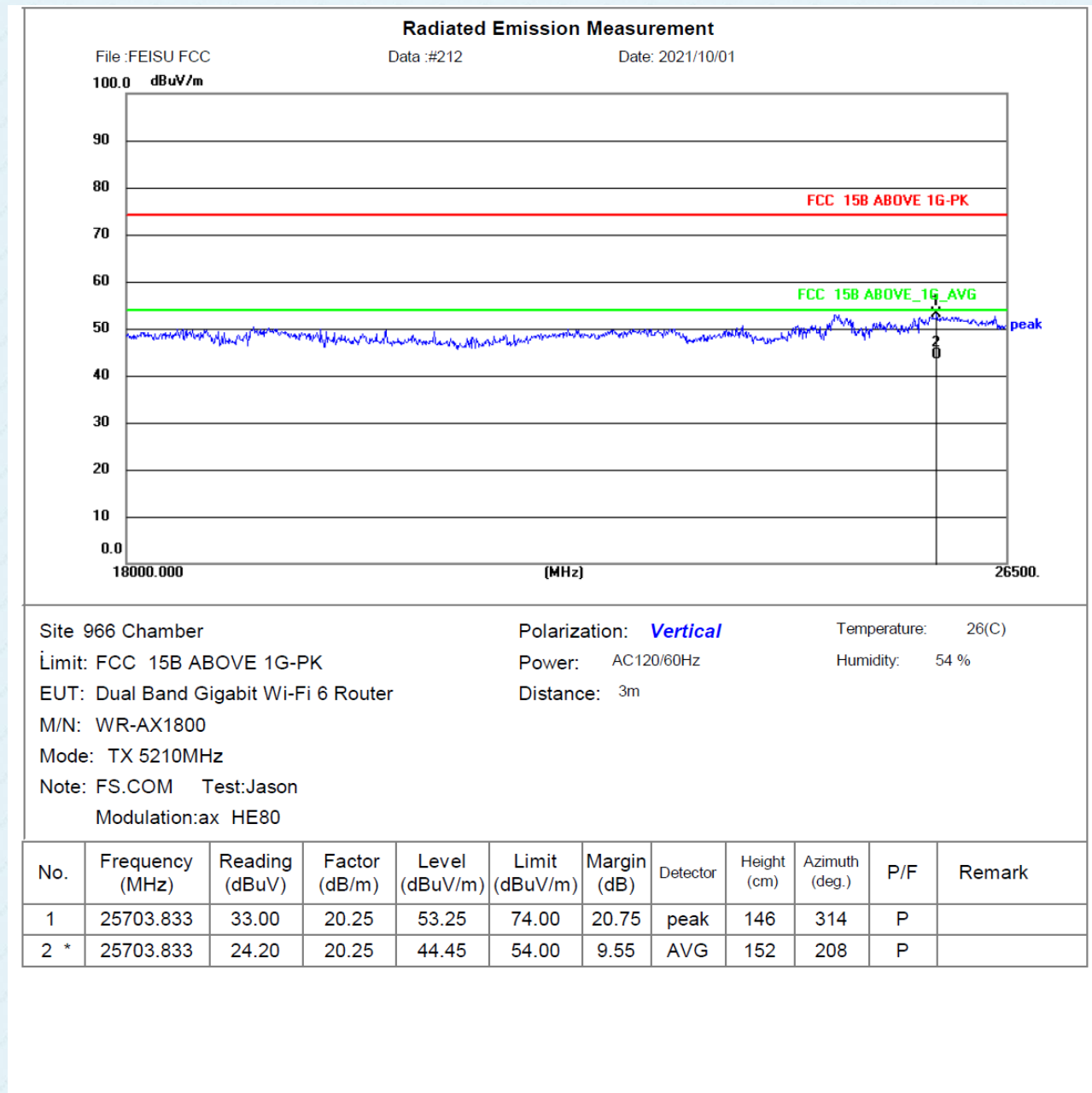
**Vertical: 802.11ax HE40 (TX 5230MHz)**



**Horizontal: 802.11ax HE80 (TX 5210MHz)**



## Vertical: 802.11ax HE80 (TX 5210MHz)



### Notes:

1. Level = Read Level + Antenna Factor+ Cable loss- Preamp Factor.
2. The test trace is same as the ambient noise (the test frequency range: 25GHz~40GHz), therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.
4. Note: We tested 802.11a/n /ac/ax mode the all data rate and recorded the worst case data.

## 26.5GHz~ 40GHz

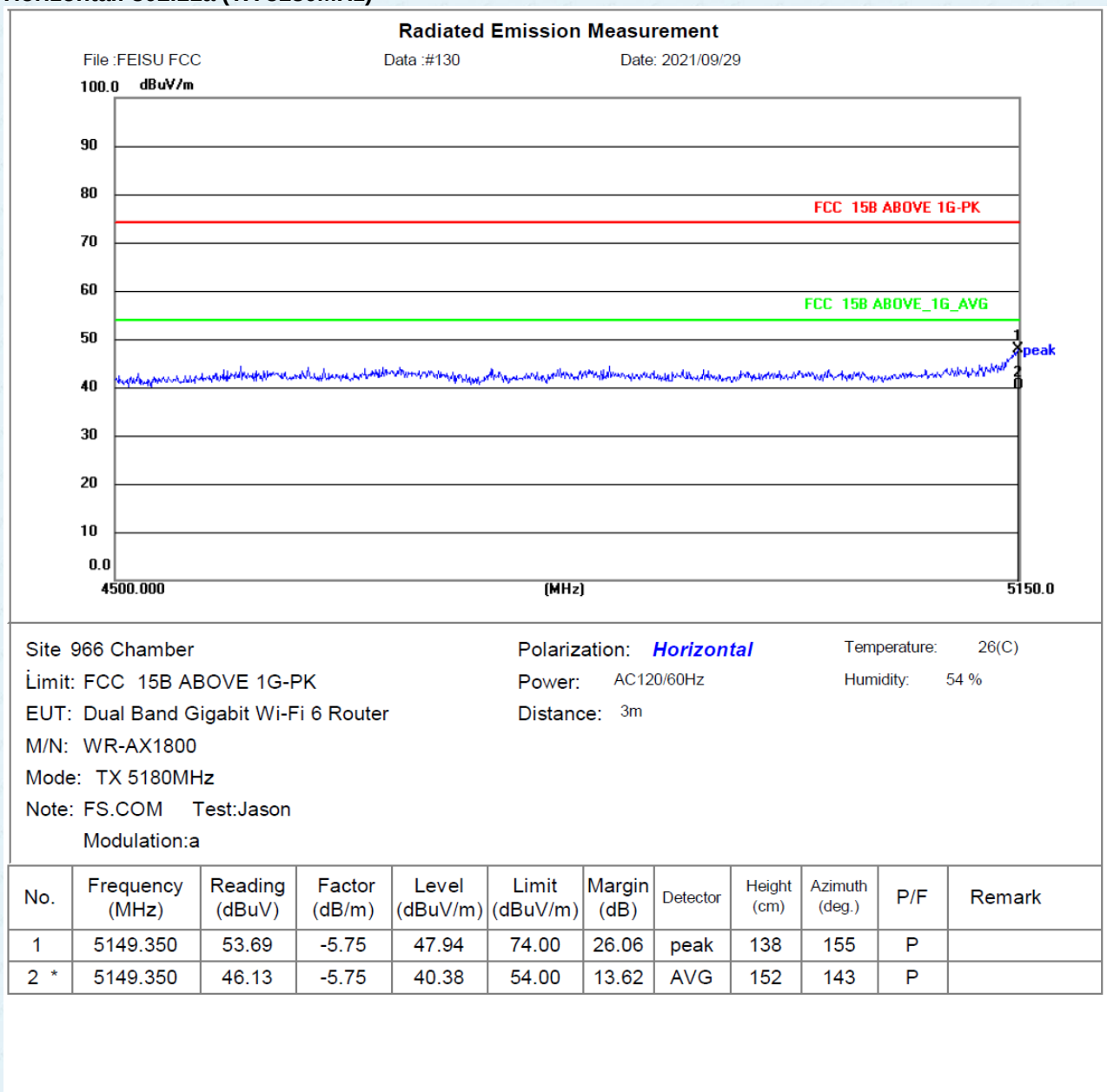
The test trace is same as the ambient noise (the test frequency range: 26.5GHz~40GHz), therefore no data appear in the report.

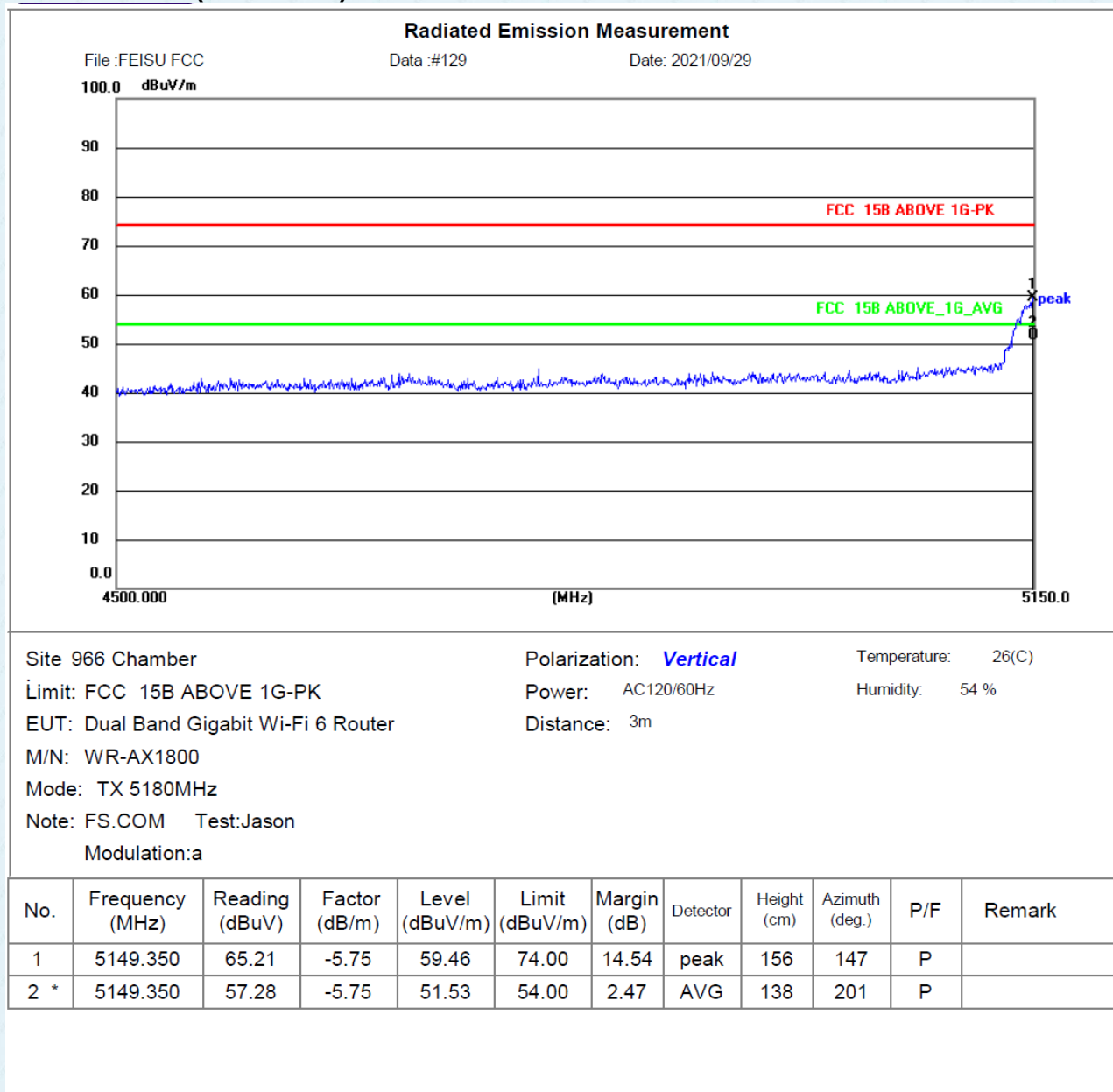
### Notes:

1. Level = Read Level + Antenna Factor+ Cable loss- Preamp Factor.
2. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

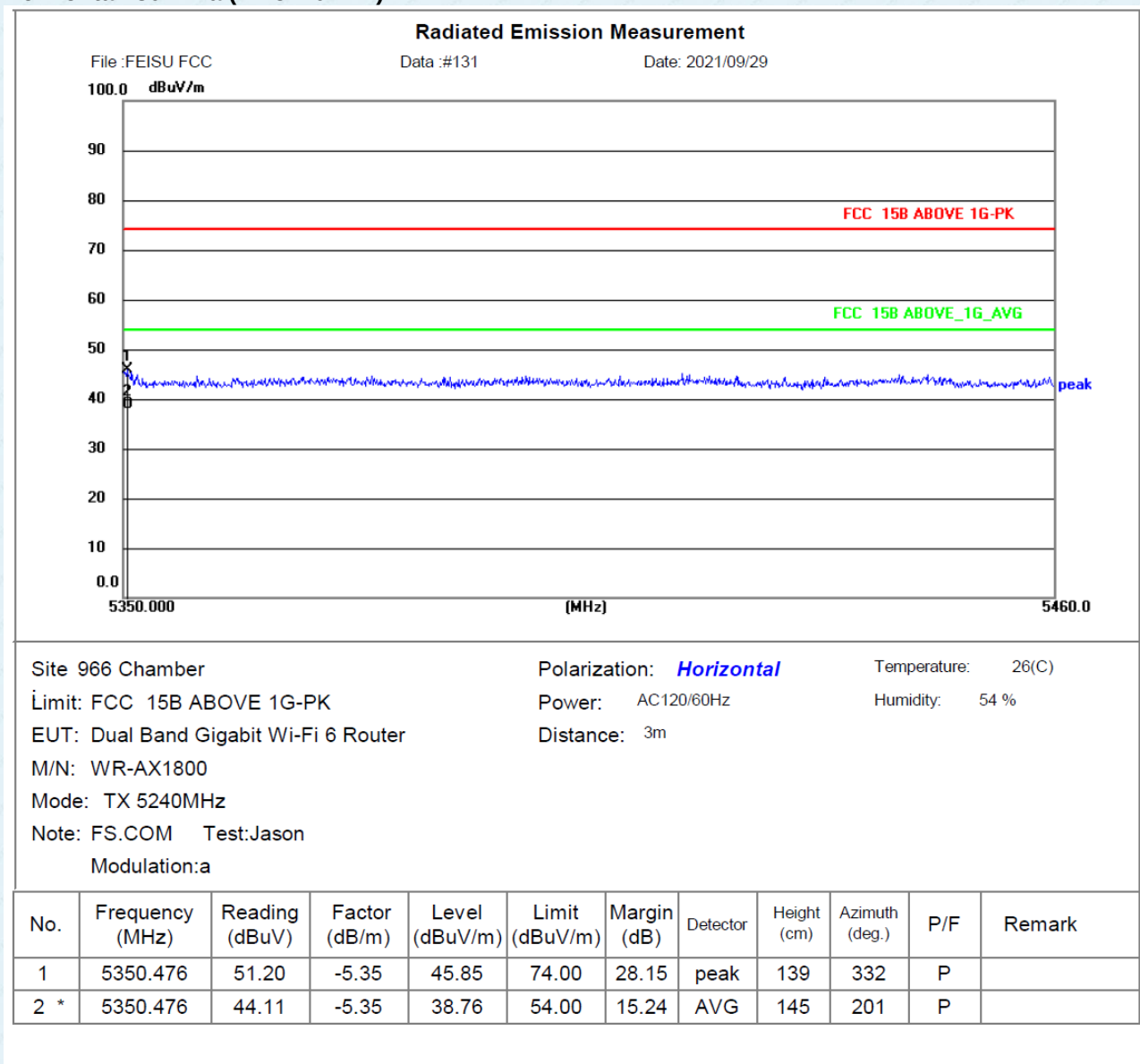
## Spurious Emission in restricted band:

Horizontal: 802.11a (TX 5180MHz)

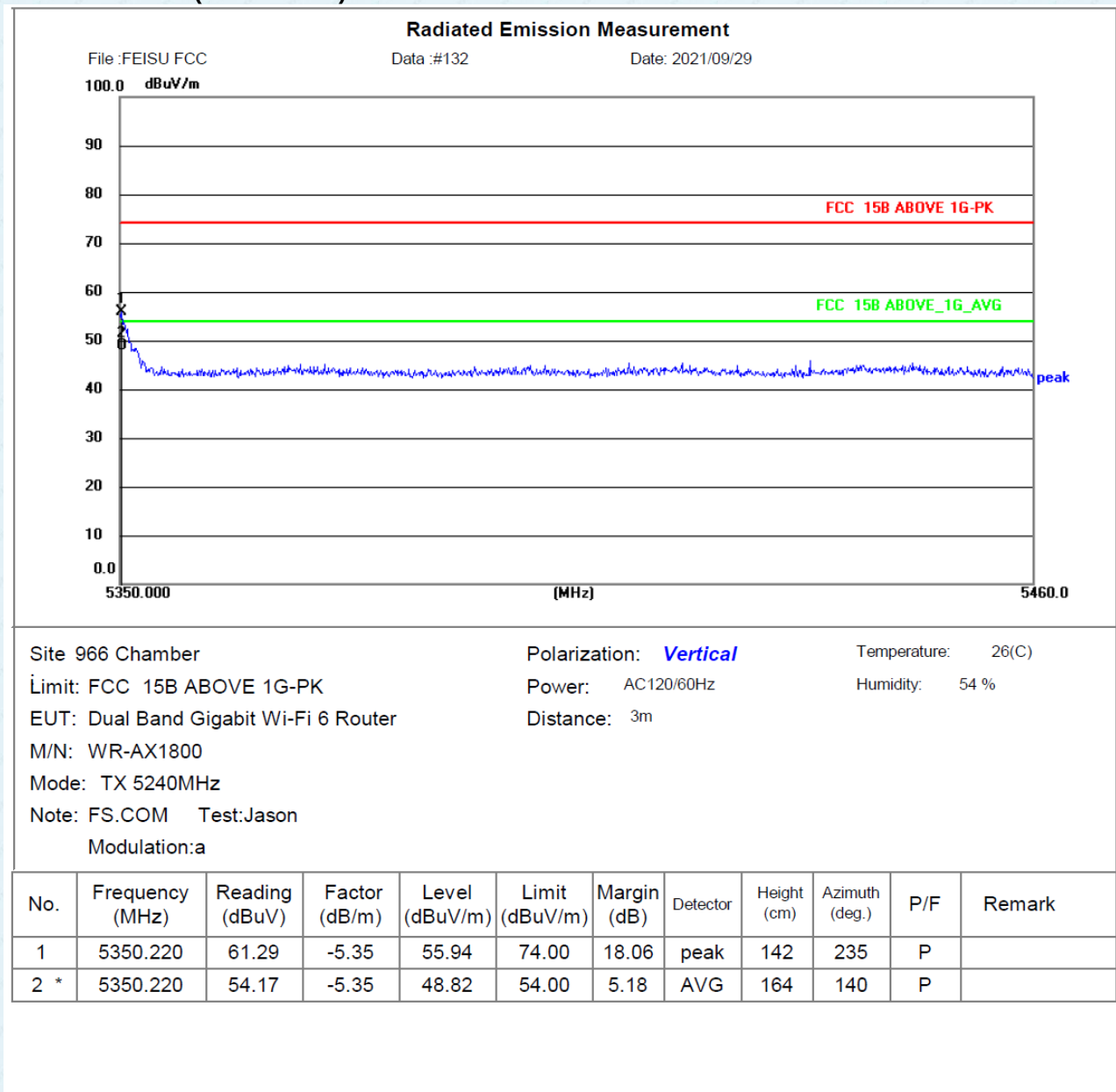


**Vertical: 802.11a (TX 5180MHz)**


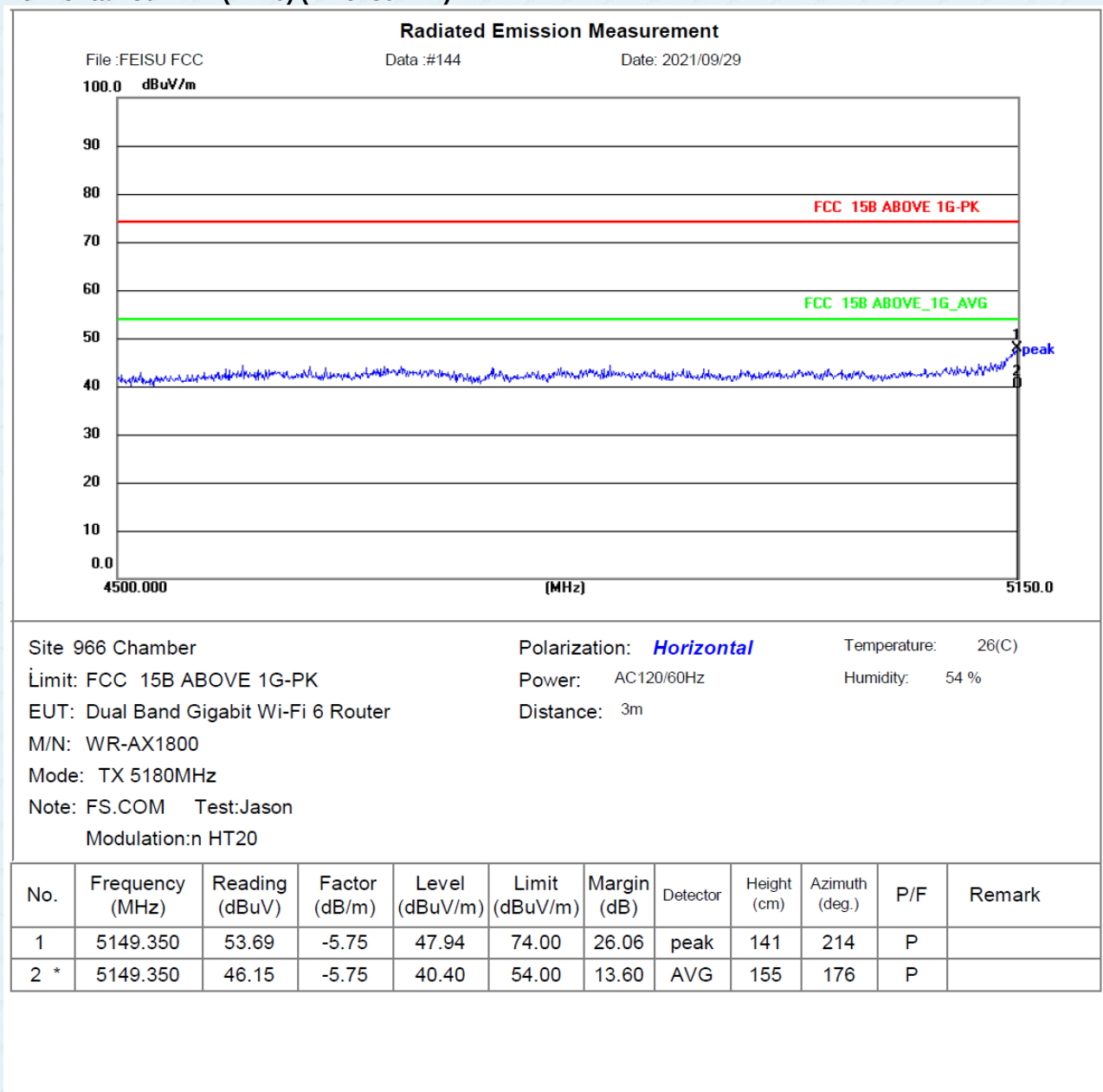
## Horizontal: 802.11a (TX 5240MHz)



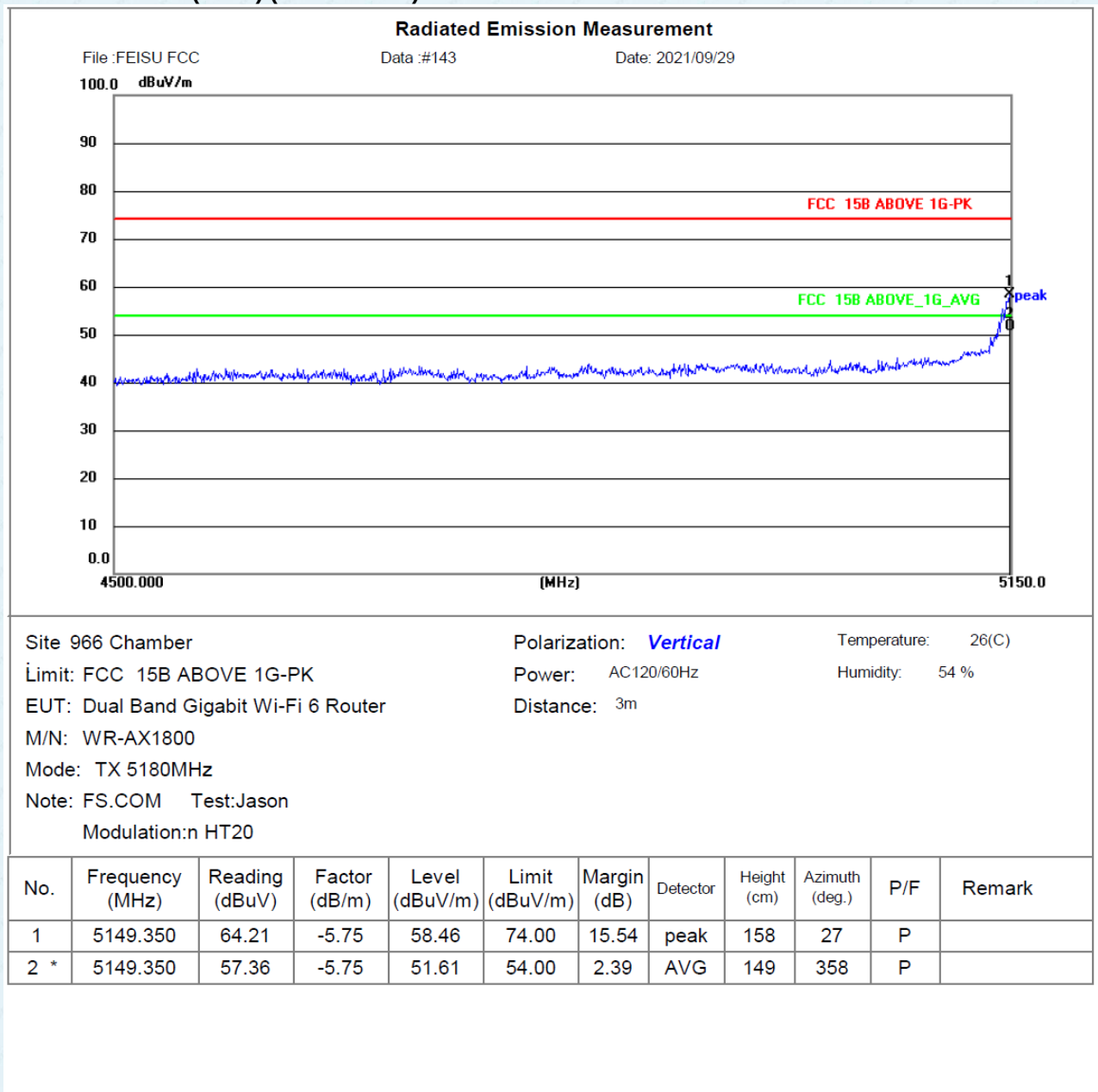
**Vertical: 802.11a (TX 5240MHz)**



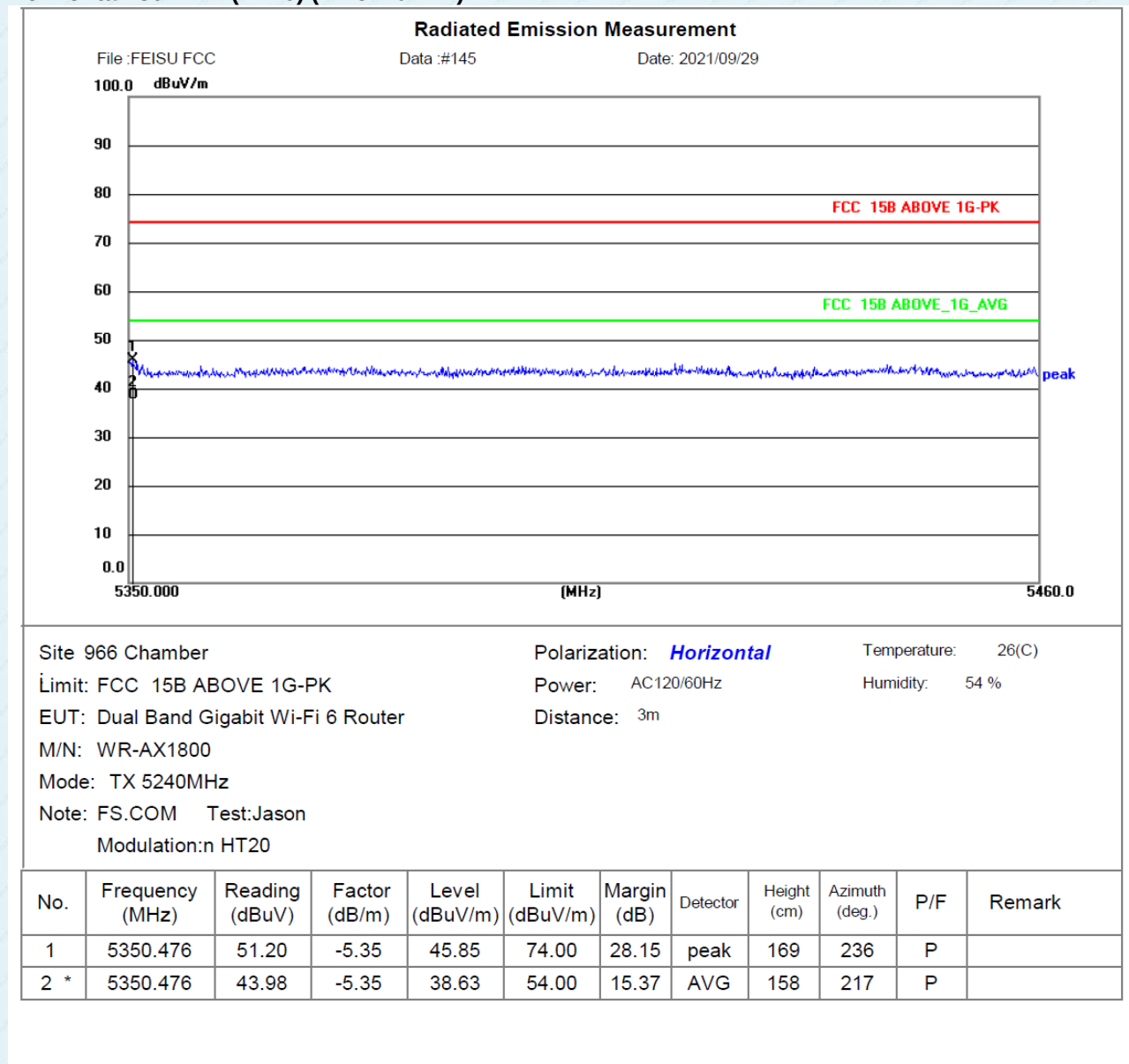
## Horizontal: 802.11n (HT20) (TX 5180MHz)



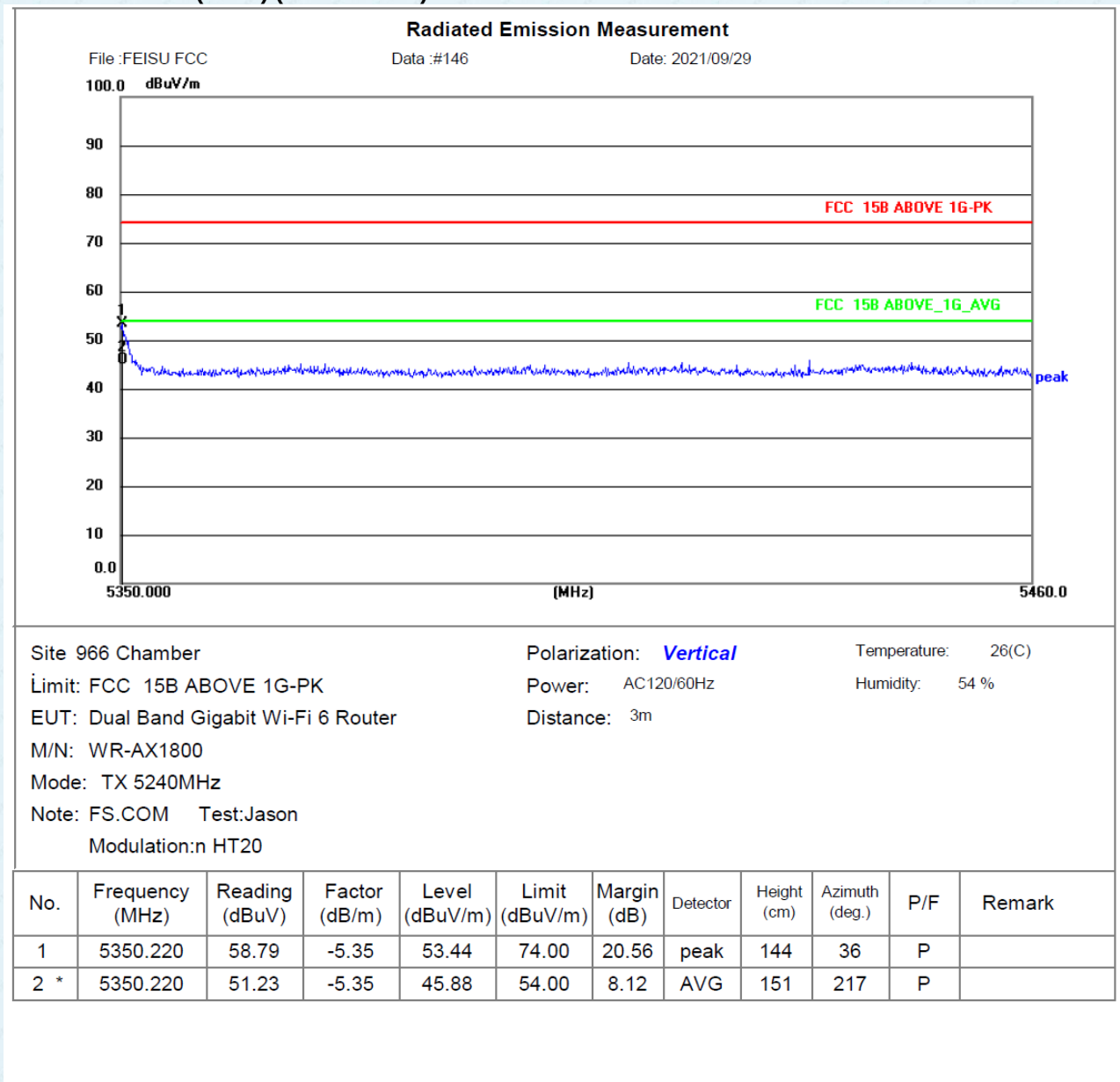
**Vertical: 802.11n (HT20) (TX 5180MHz)**



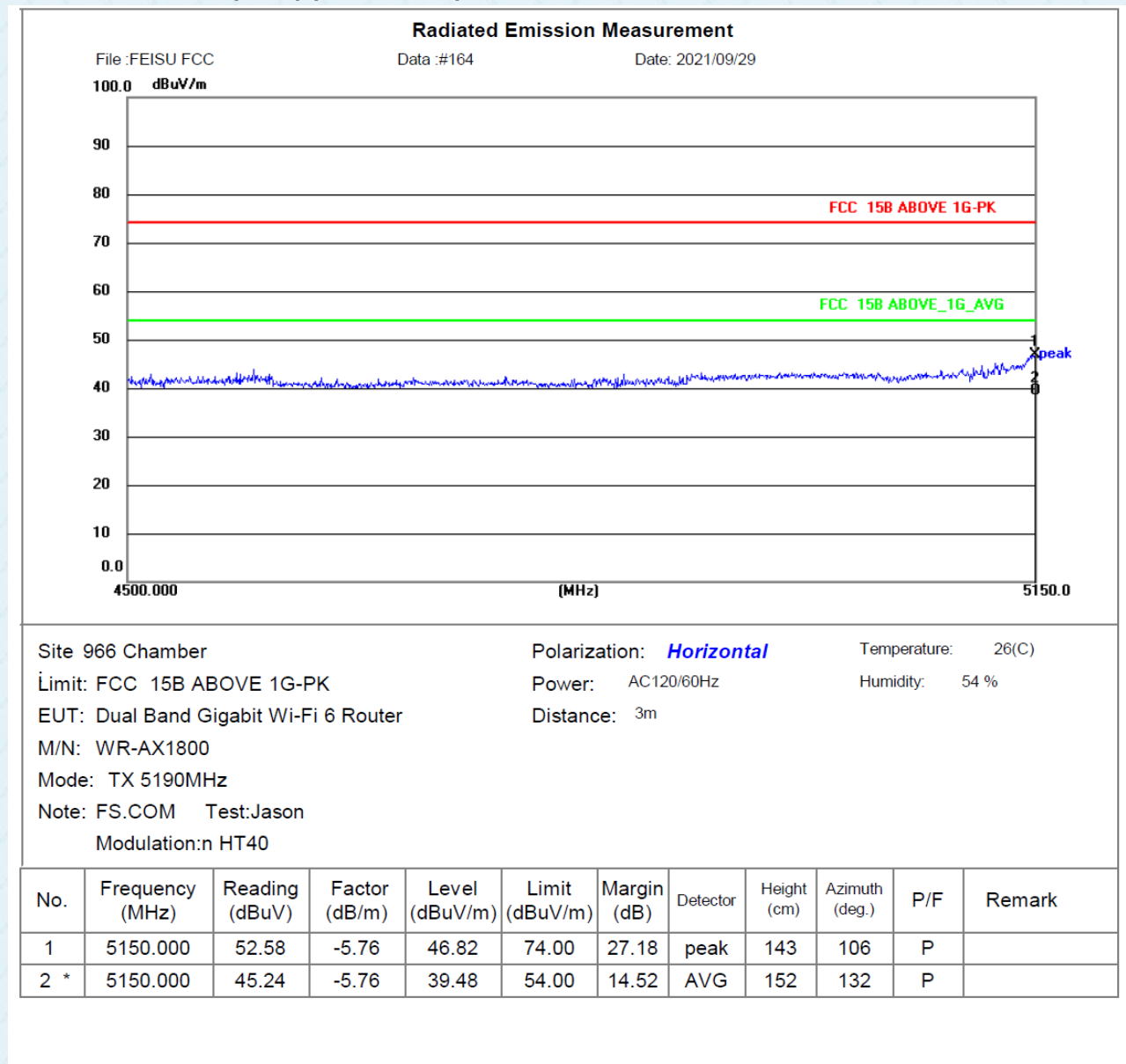
## Horizontal: 802.11n (HT20) (TX 5240MHz)



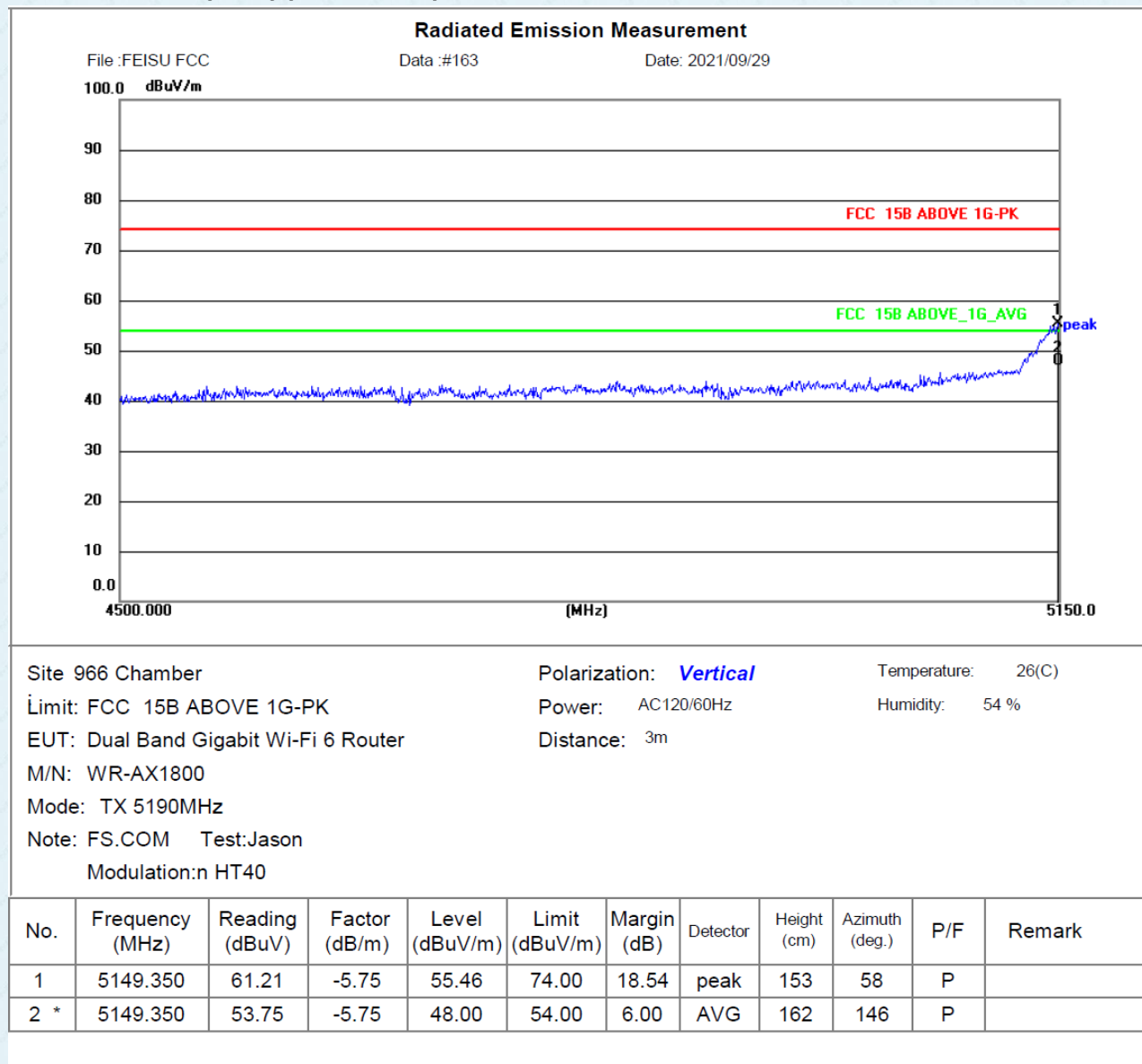
**Vertical: 802.11n (HT20) (TX 5240MHz)**



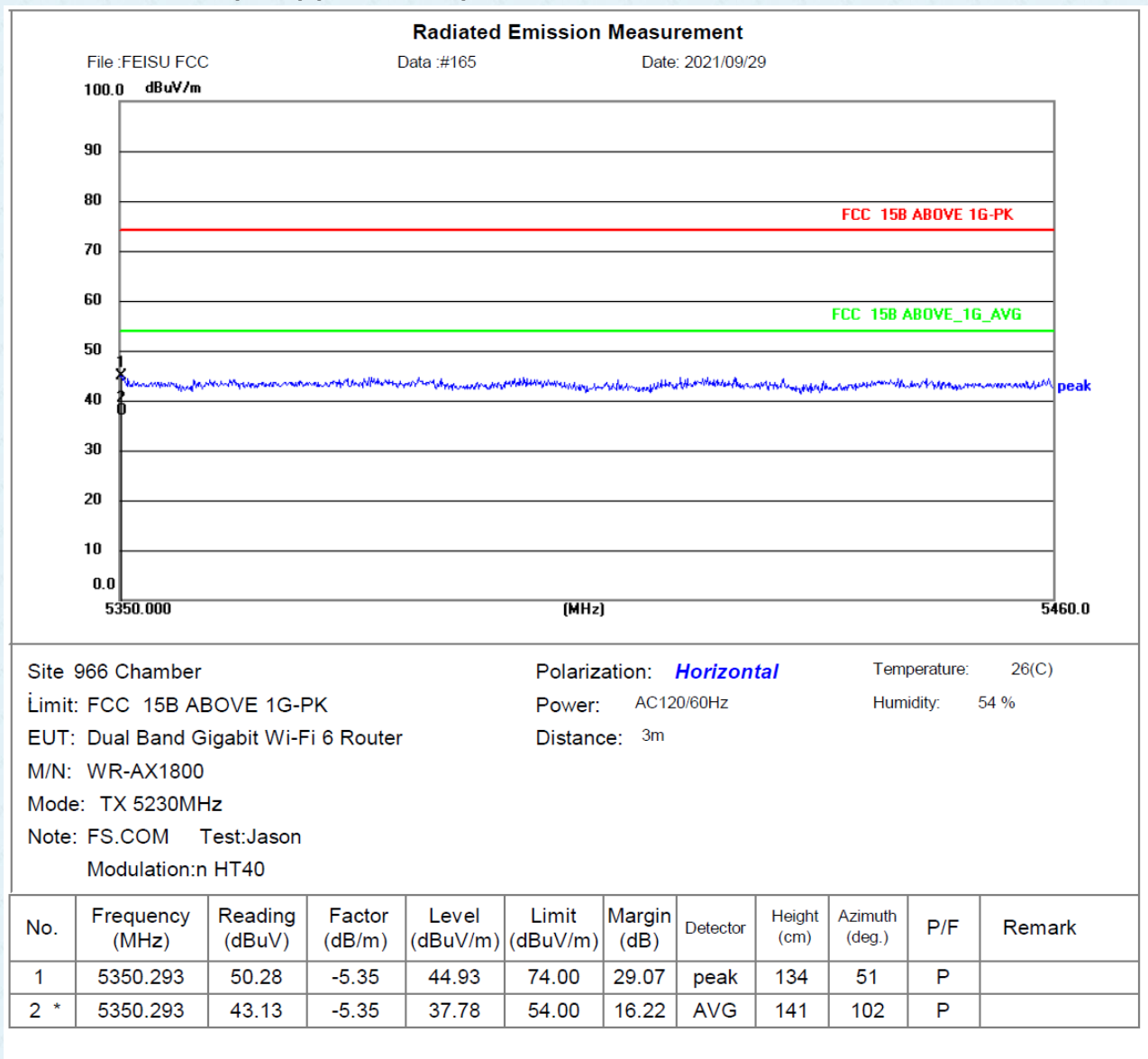
## Horizontal: 802.11n (HT40) (TX 5190MHz)



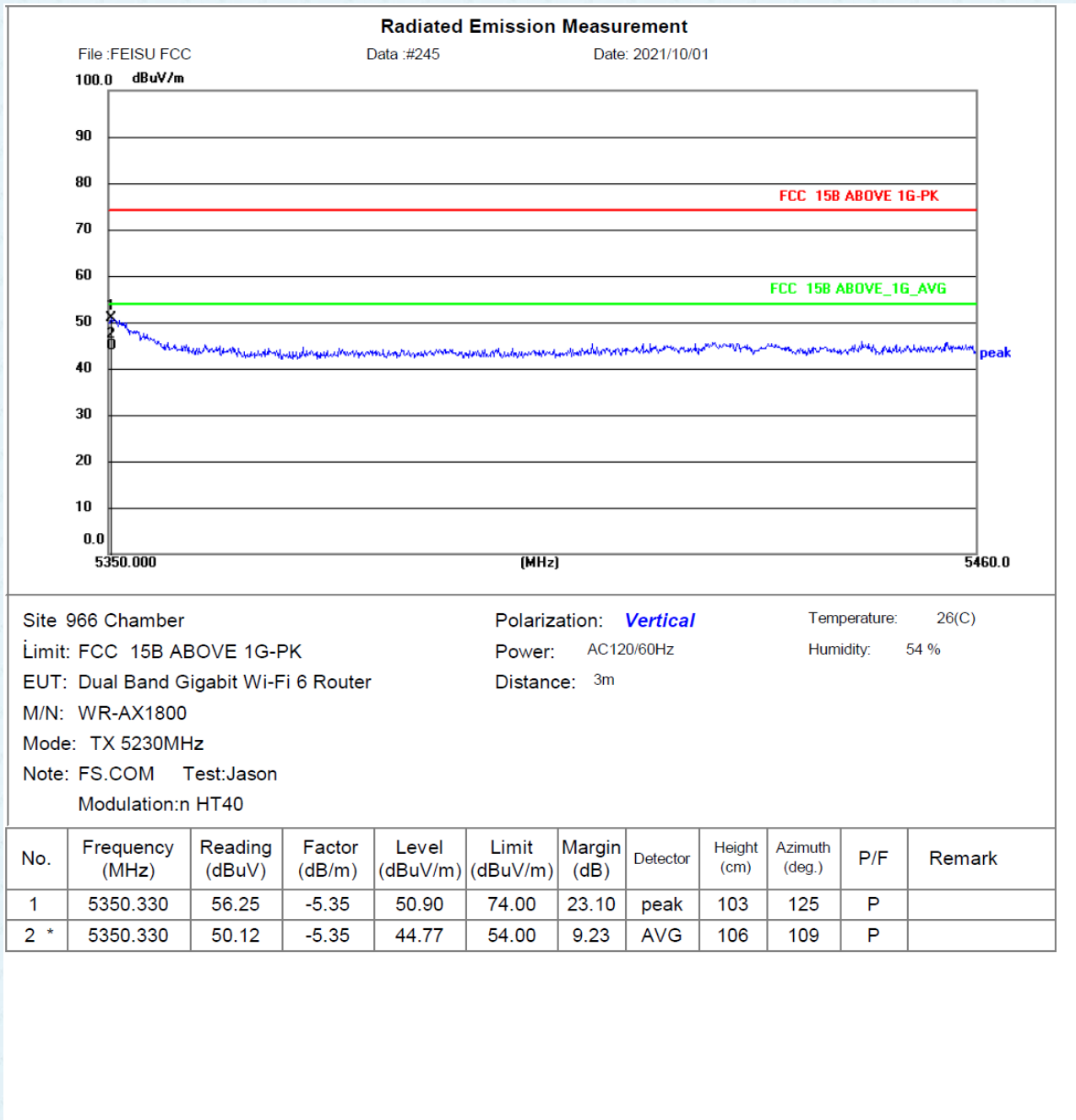
**Vertical: 802.11n (HT40) (TX 5190MHz)**



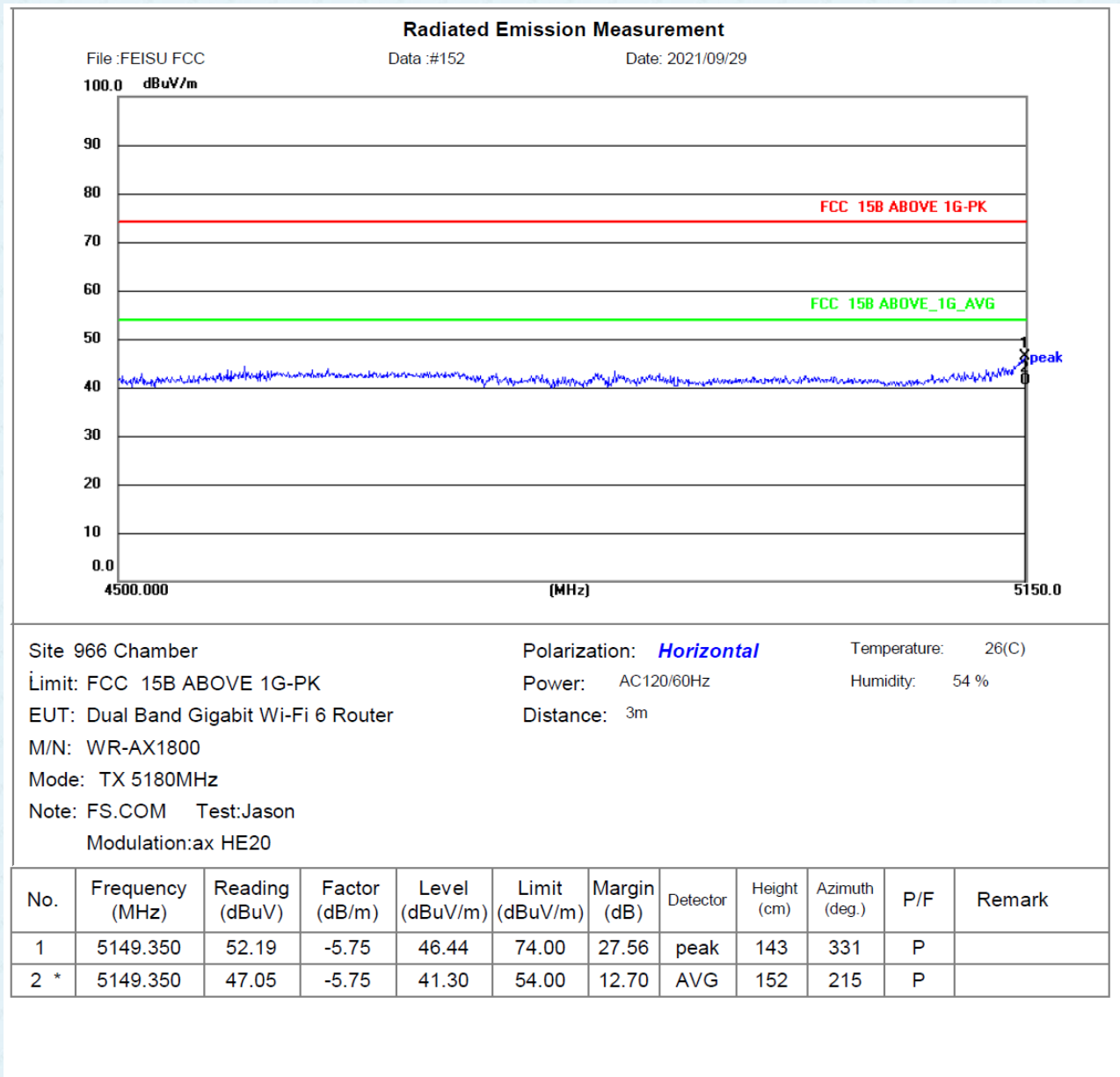
## Horizontal: 802.11n (HT40) (TX 5230MHz)



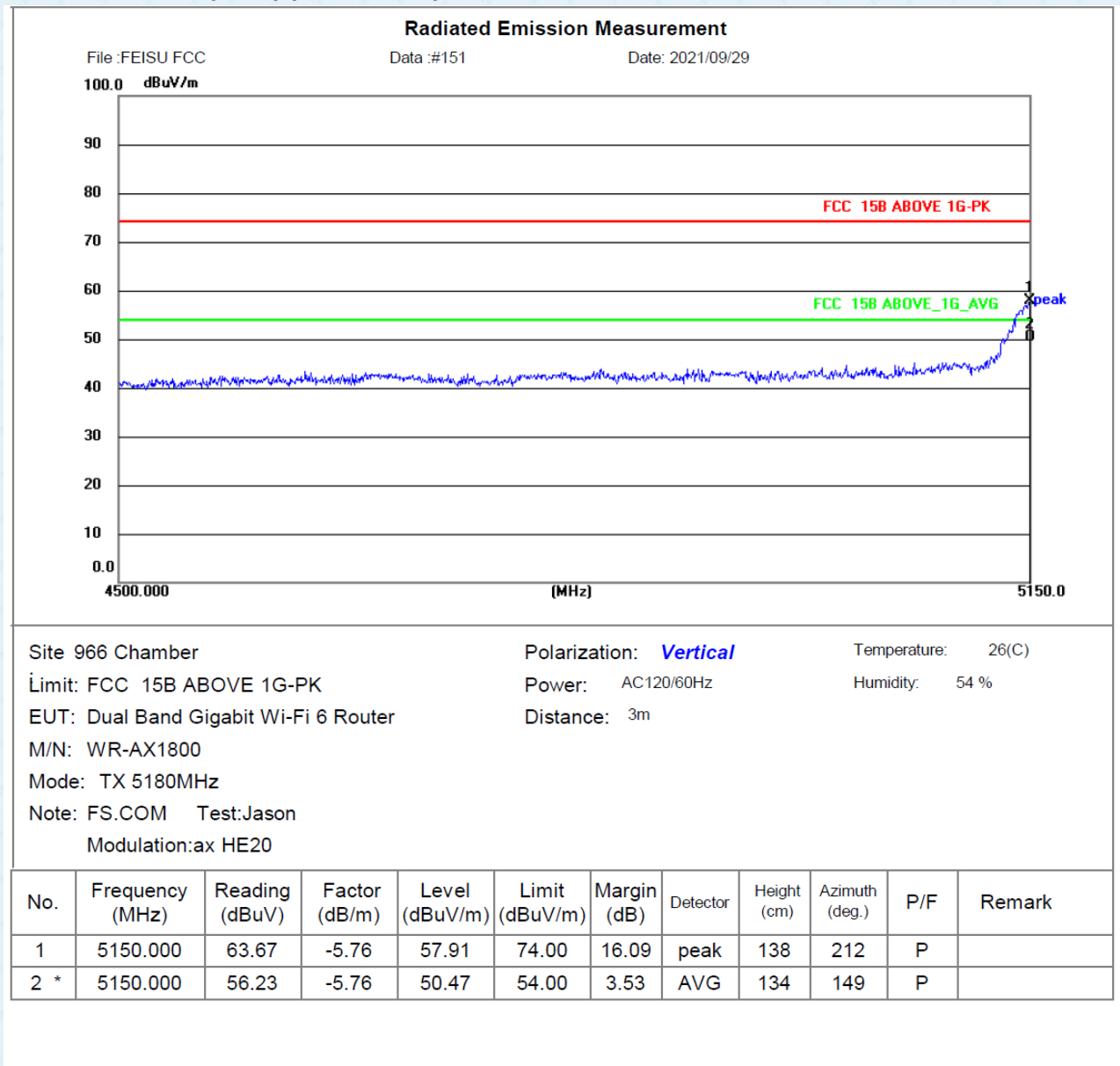
**Vertical: 802.11n (HT40) (TX 5230MHz)**



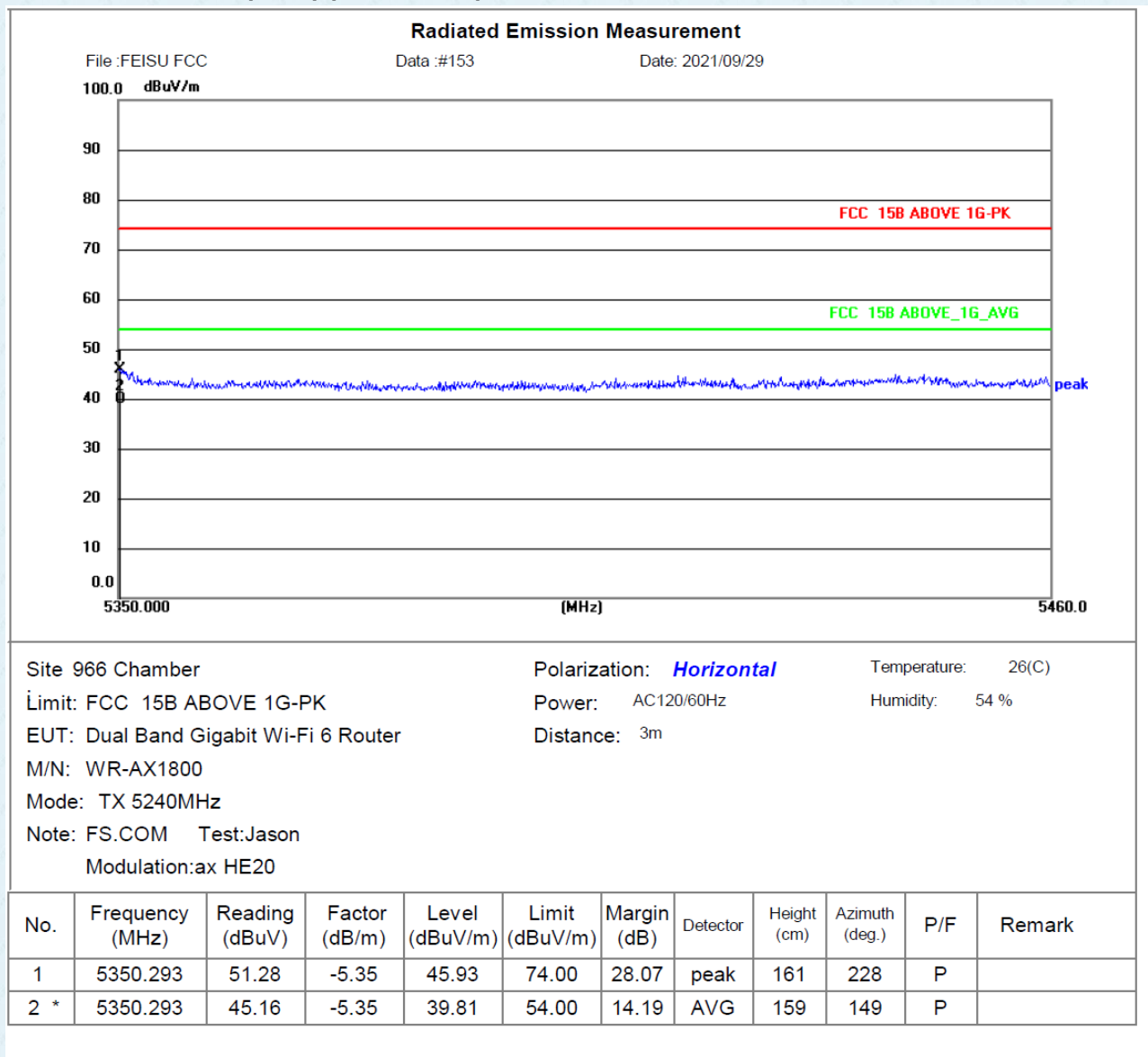
## Horizontal: 802.11ax (HE20) (TX 5180MHz)



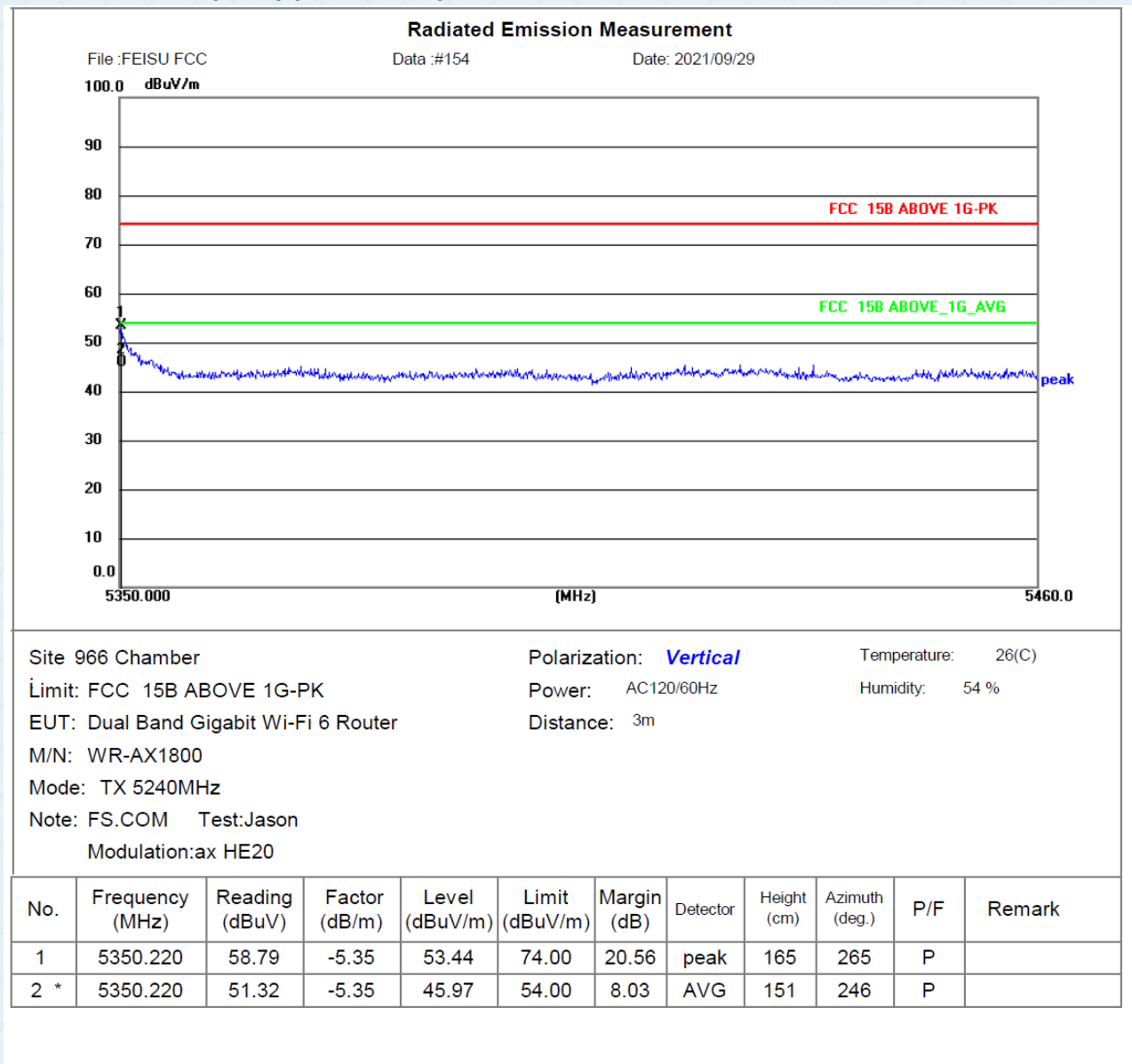
**Vertical: 802.11ax (HE20) (TX 5180MHz)**



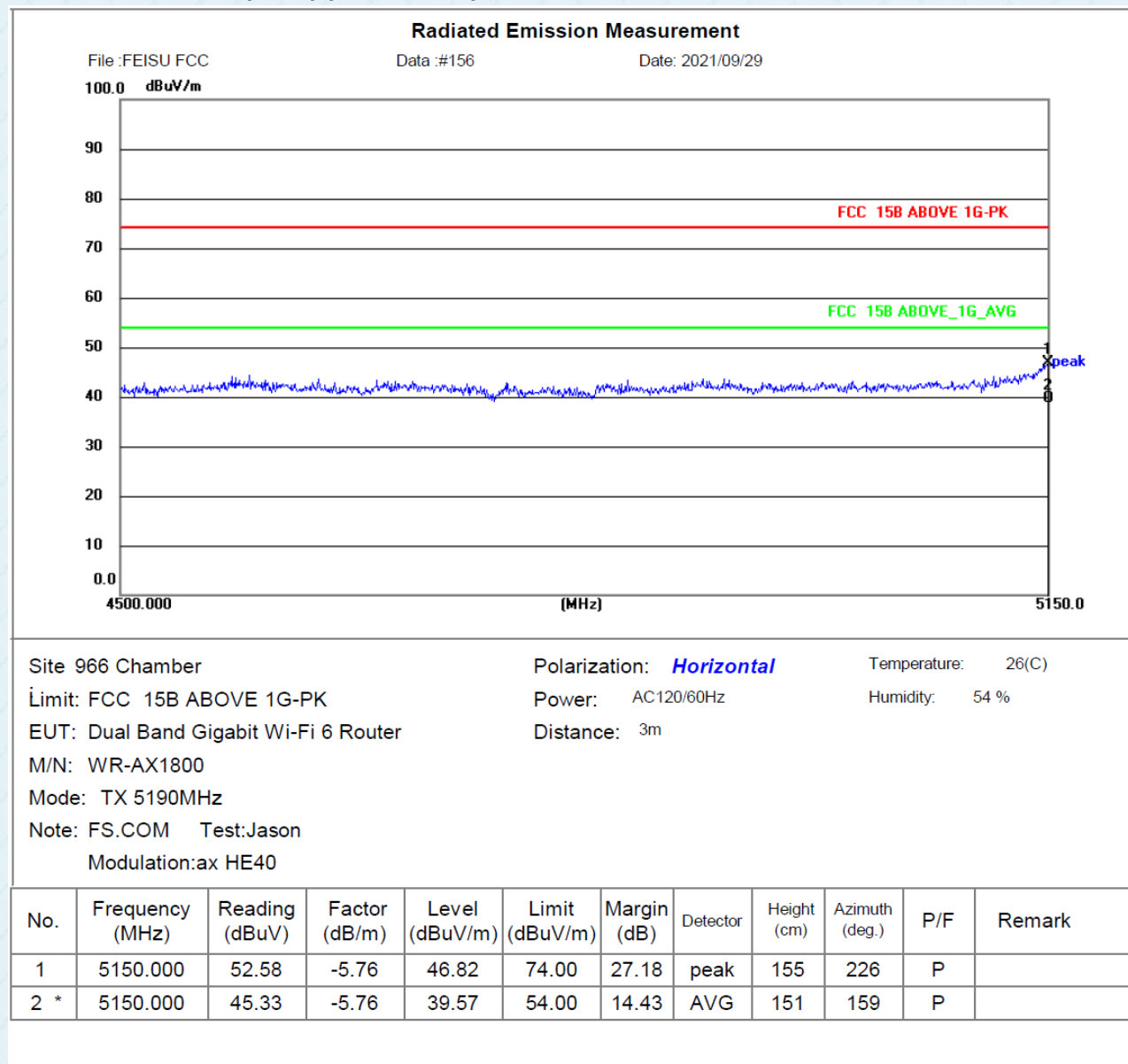
## Horizontal: 802.11ax (HE20) (TX 5240MHz)



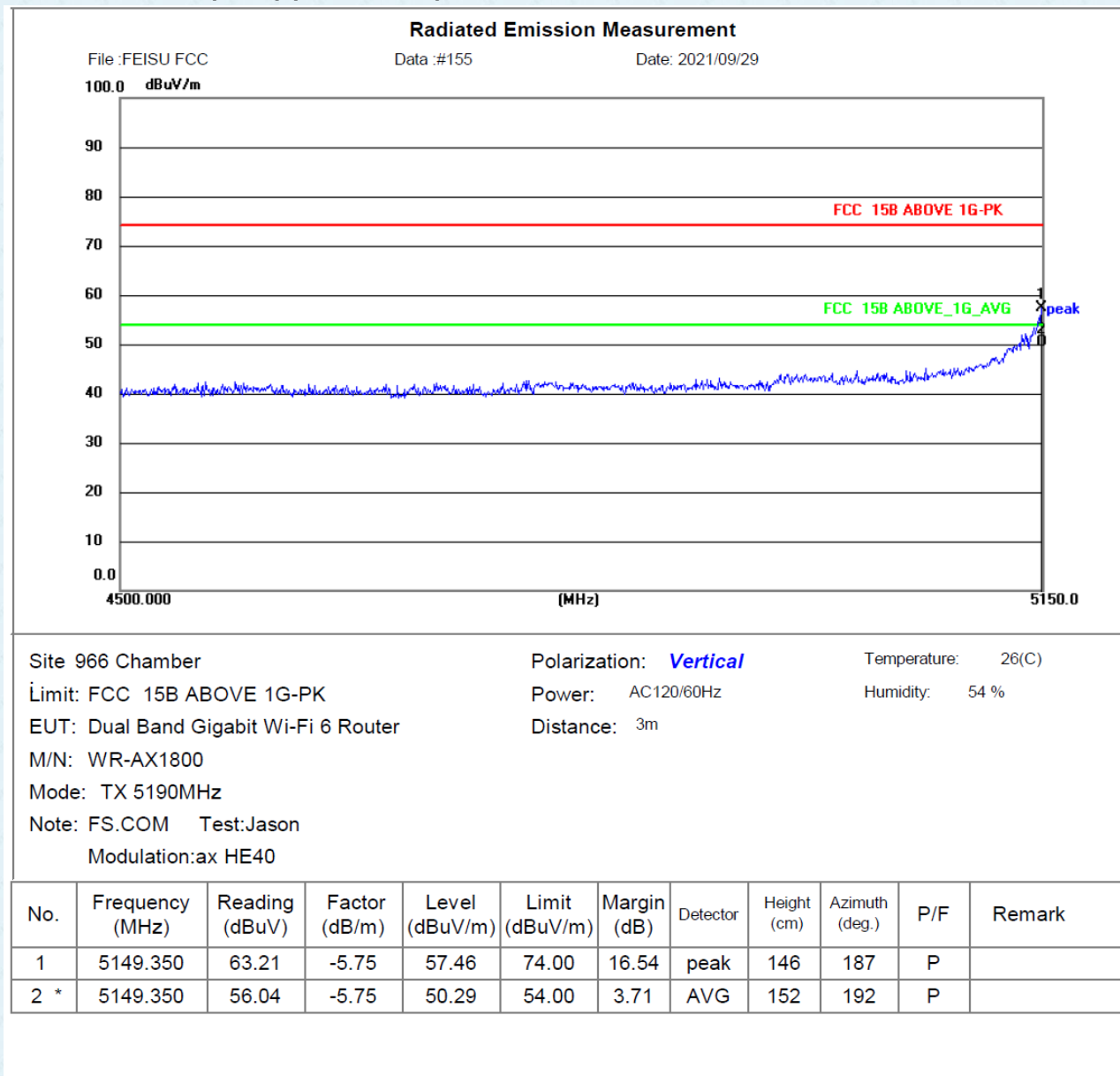
**Vertical: 802.11ax (HE20) (TX 5240MHz)**



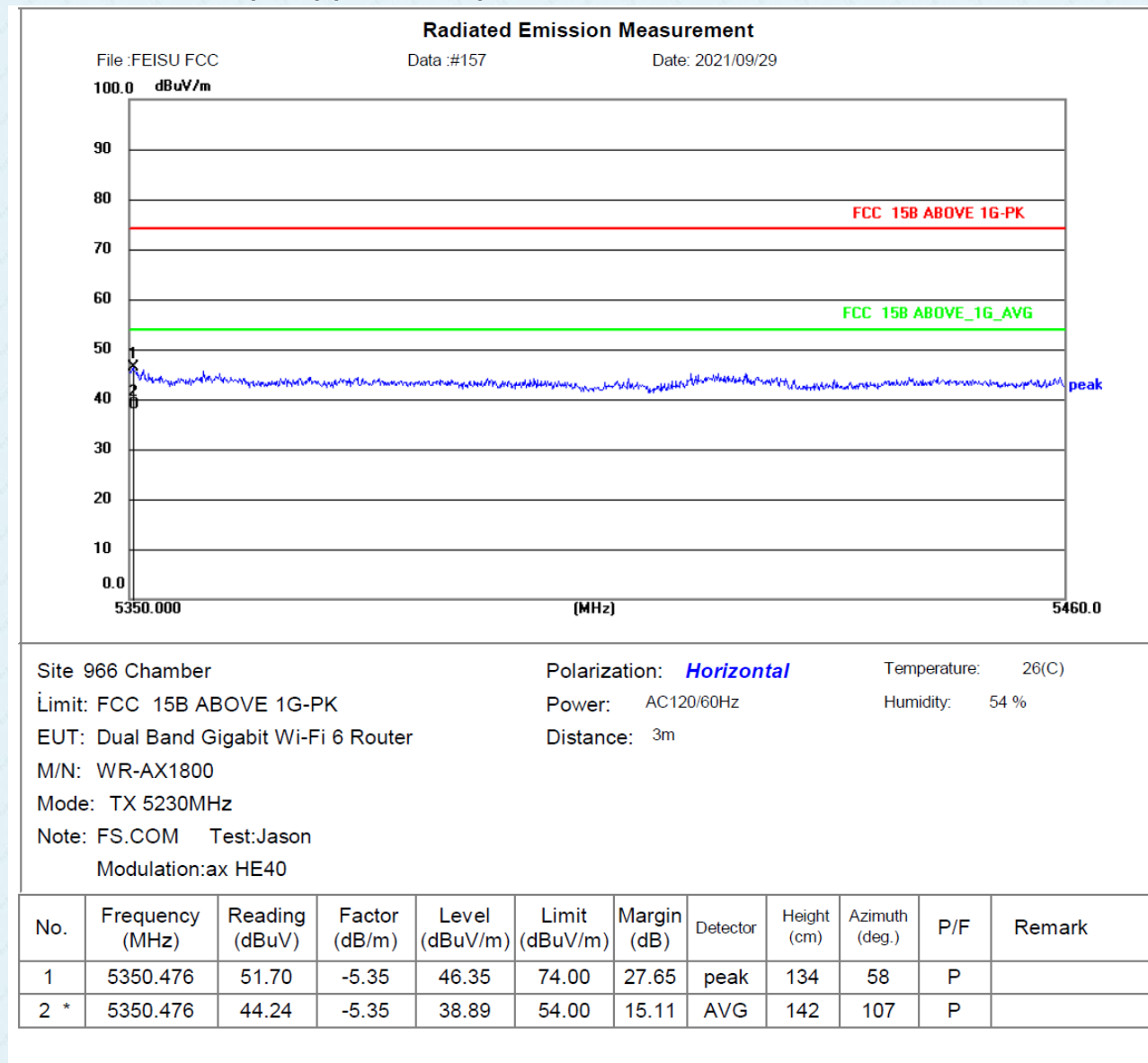
## Horizontal: 802.11ax (HE40) (TX 5190MHz)



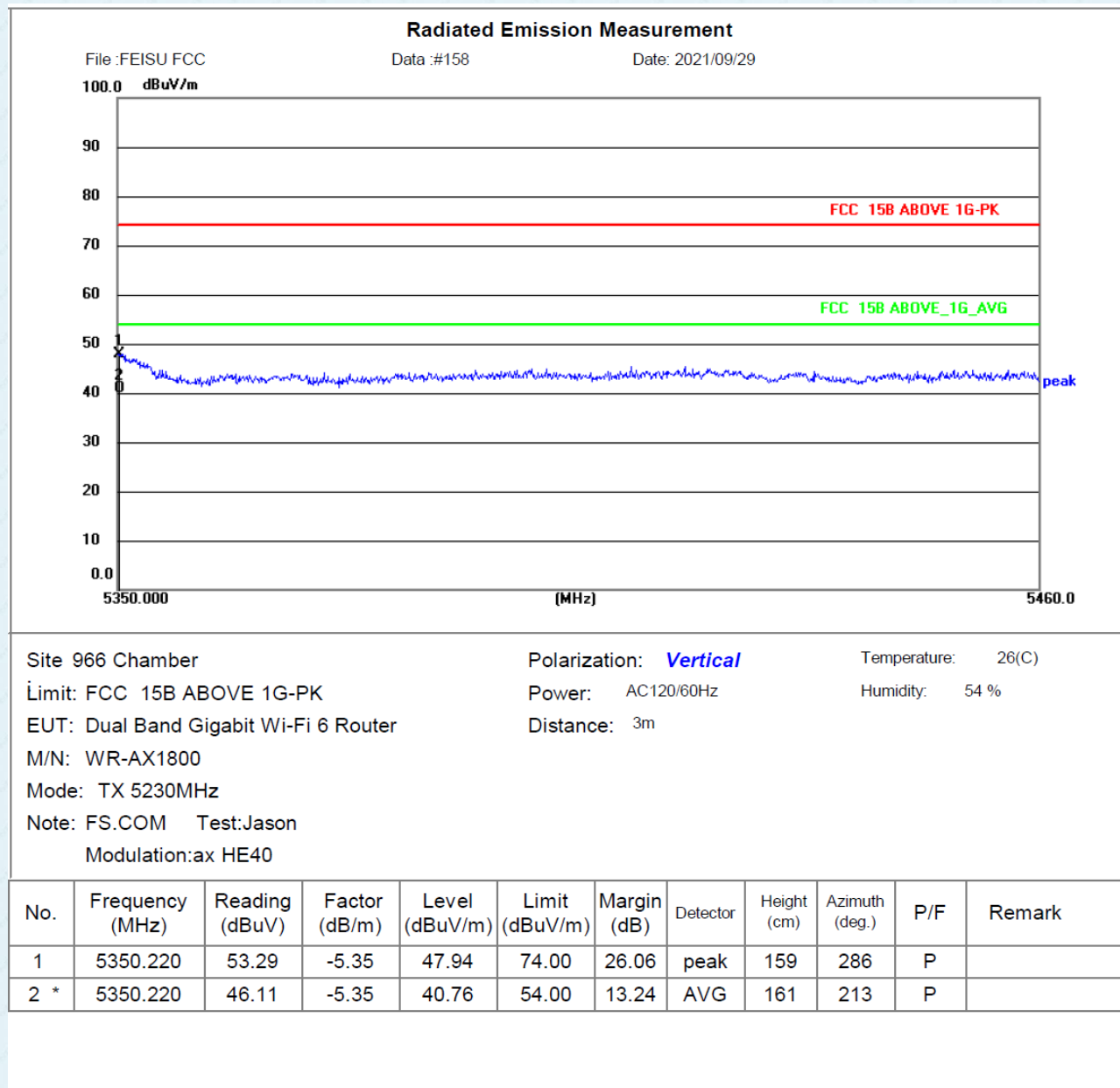
**Vertical: 802.11ax (HE40) (TX 5190MHz)**



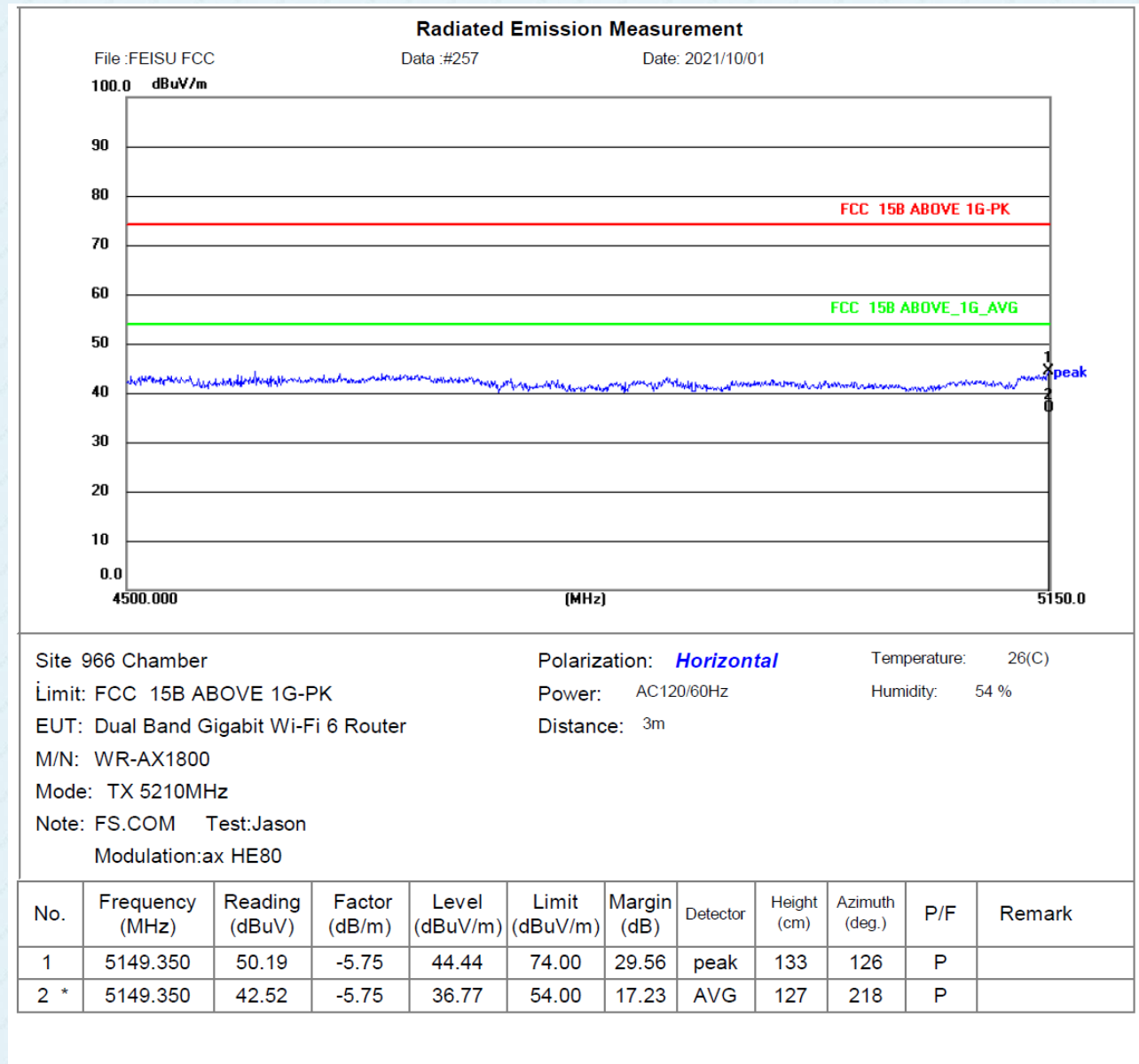
## Horizontal: 802.11ax (HE40) (TX 5230MHz)



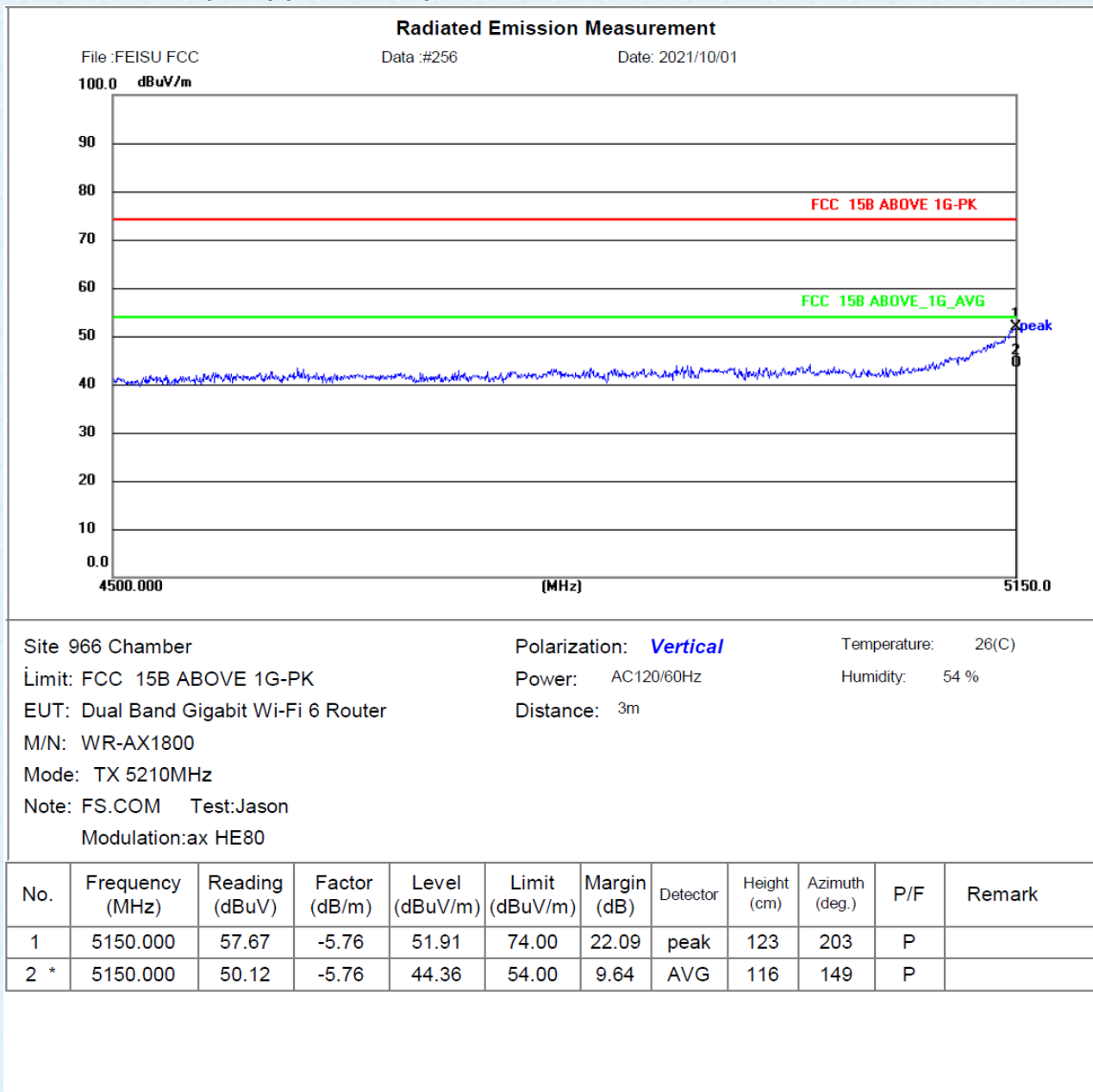
**Vertical: 802.11ax (HE40) (TX 5230MHz)**



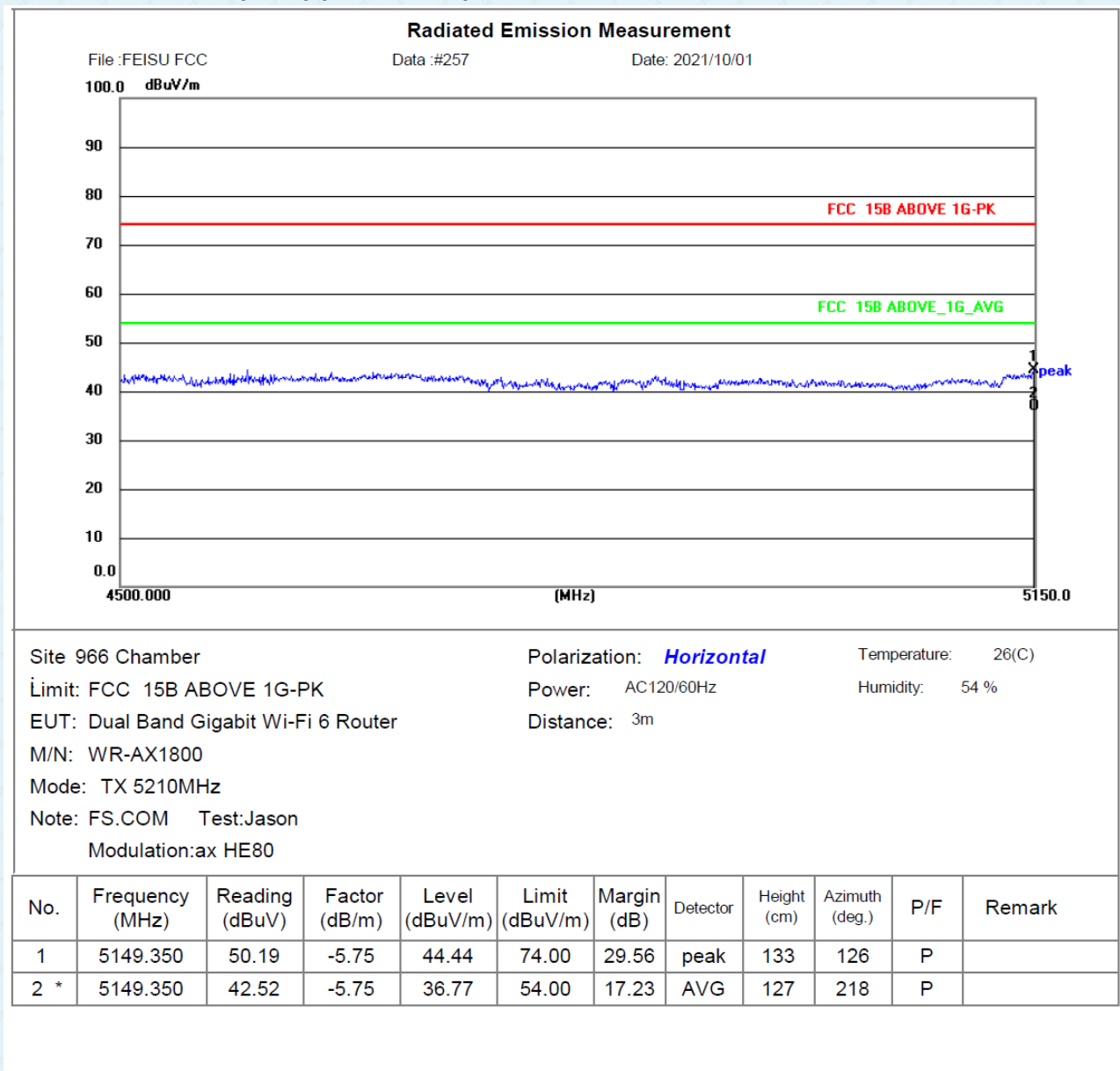
## Horizontal: 802.11ax (HE80) (TX 5210MHz)



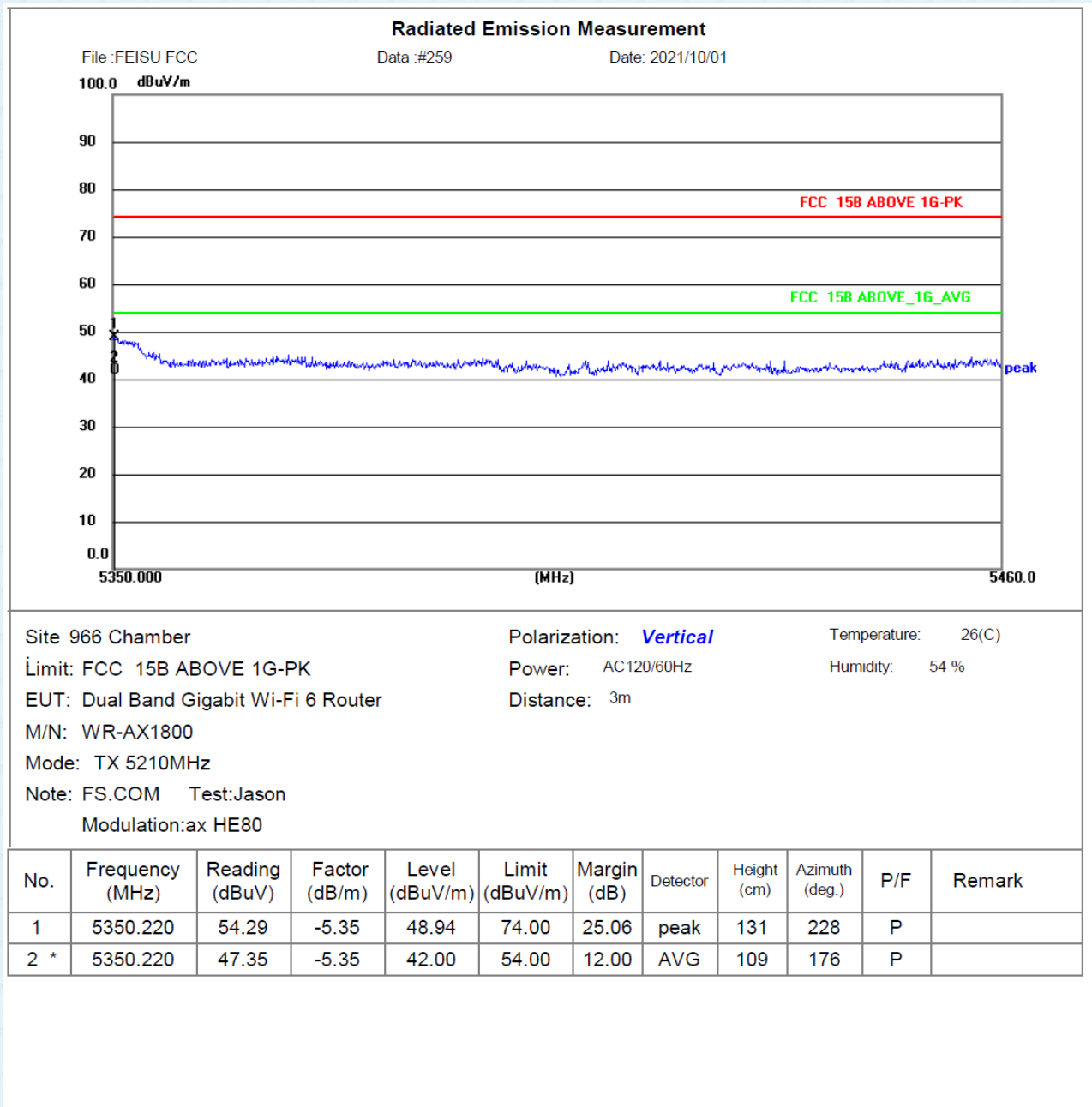
**Vertical: 802.11ax (HE80) (TX 5210MHz)**



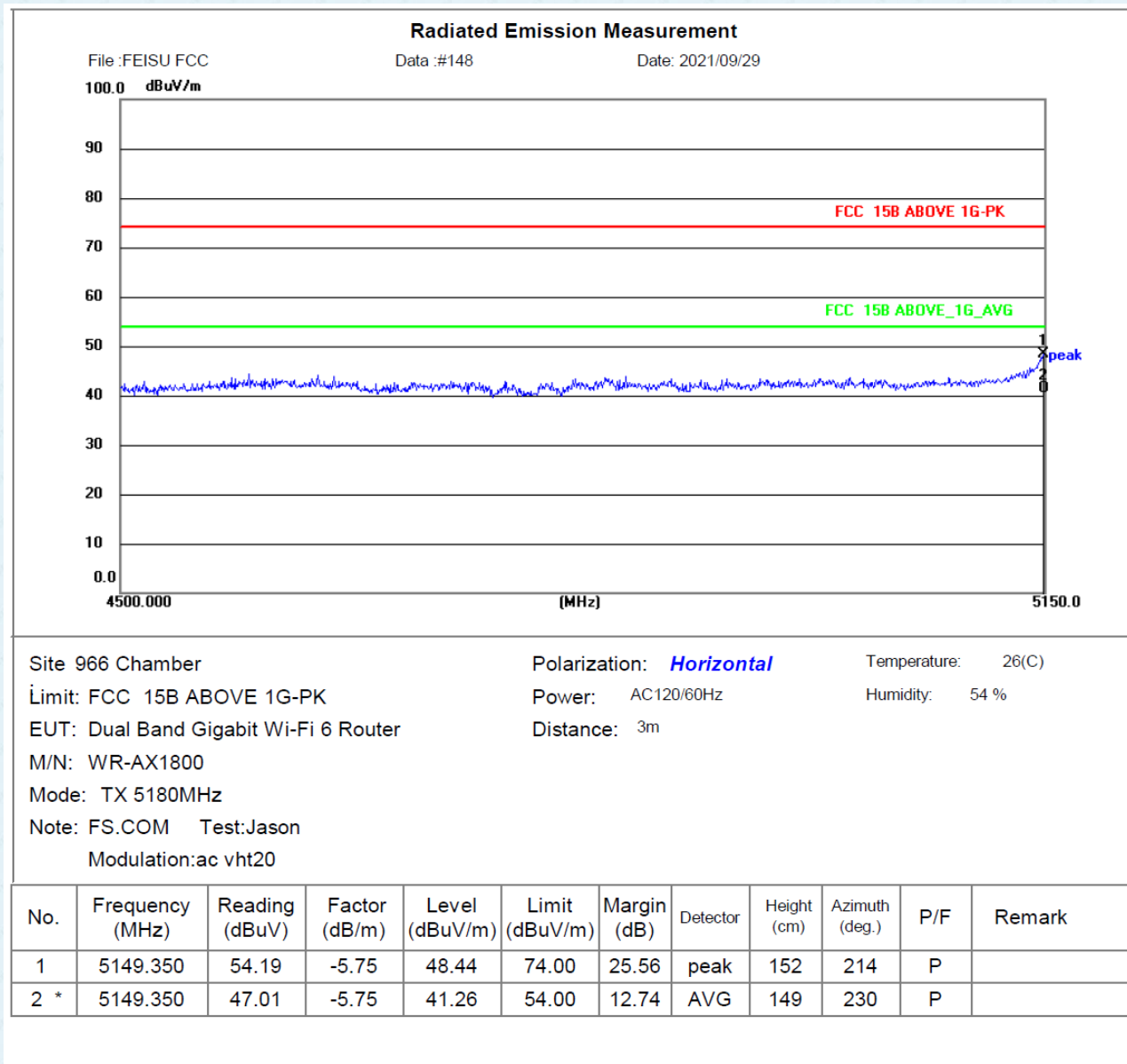
## Horizontal: 802.11ax (HE80) (TX 5210MHz)



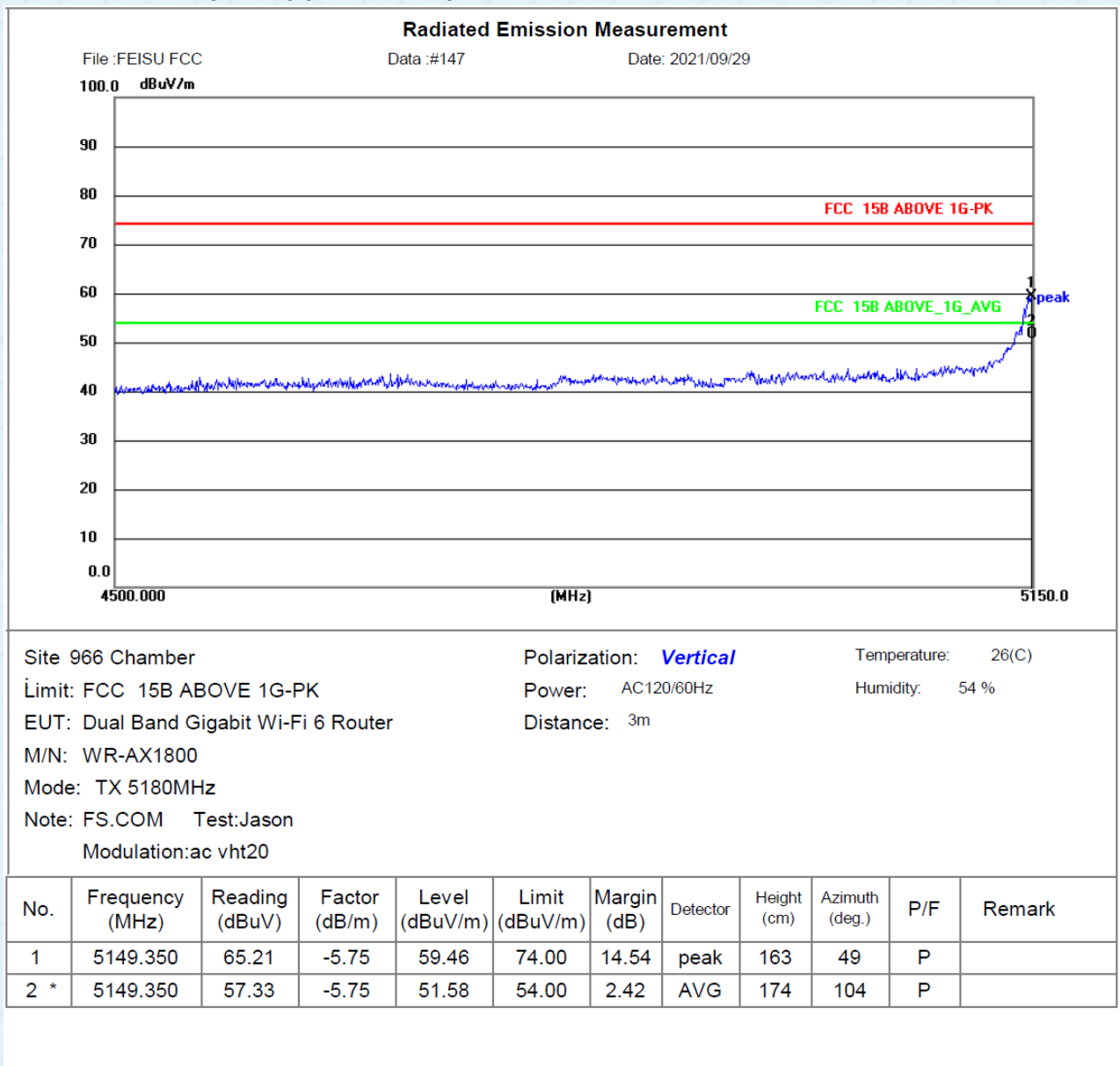
**Vertical: 802.11ax (HE80) (TX 5210MHz)**



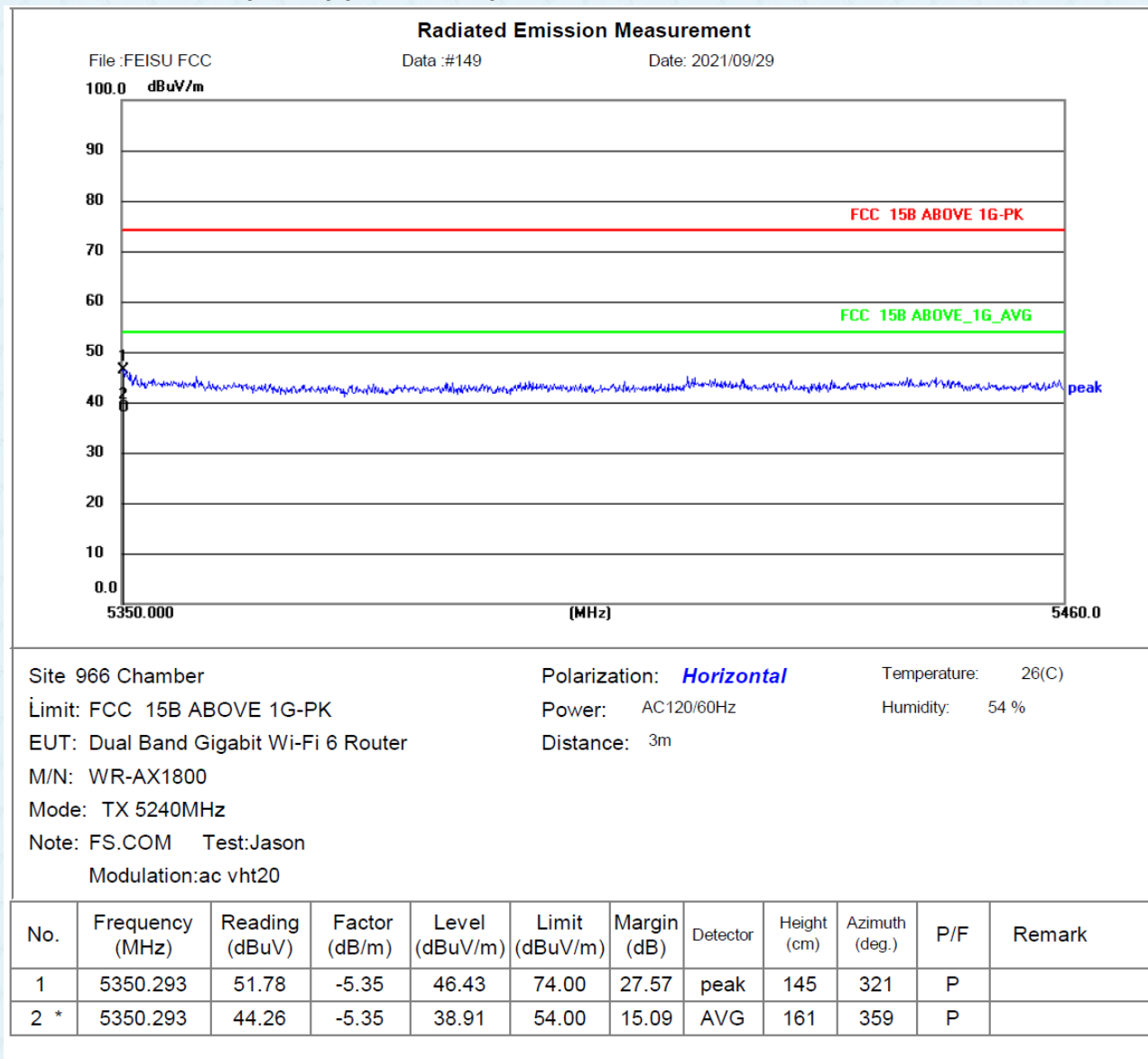
## Horizontal: 802.11ac (VHT20) (TX 5210MHz)



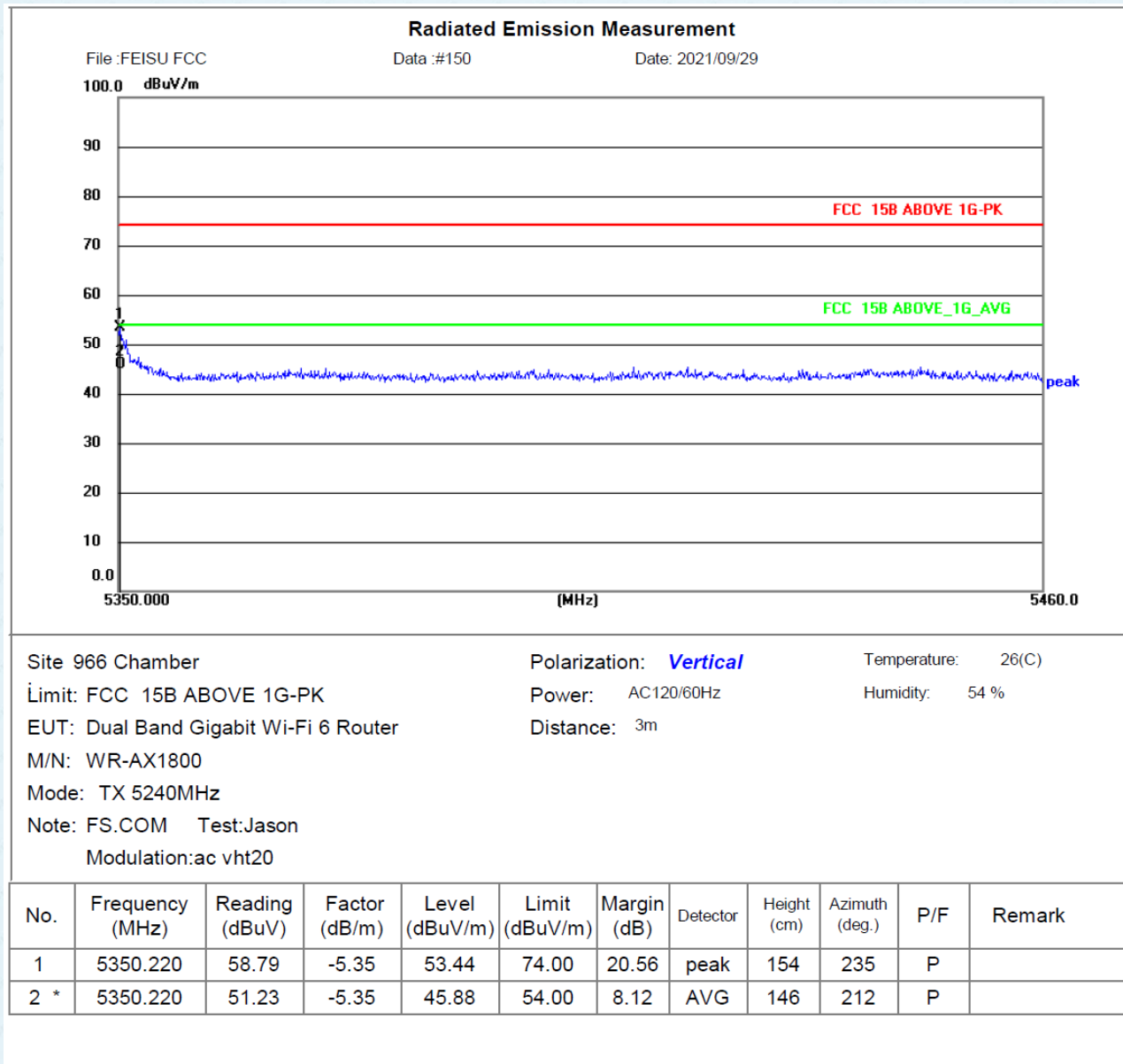
**Vertical: 802.11ac (VHT20) (TX 5180MHz)**



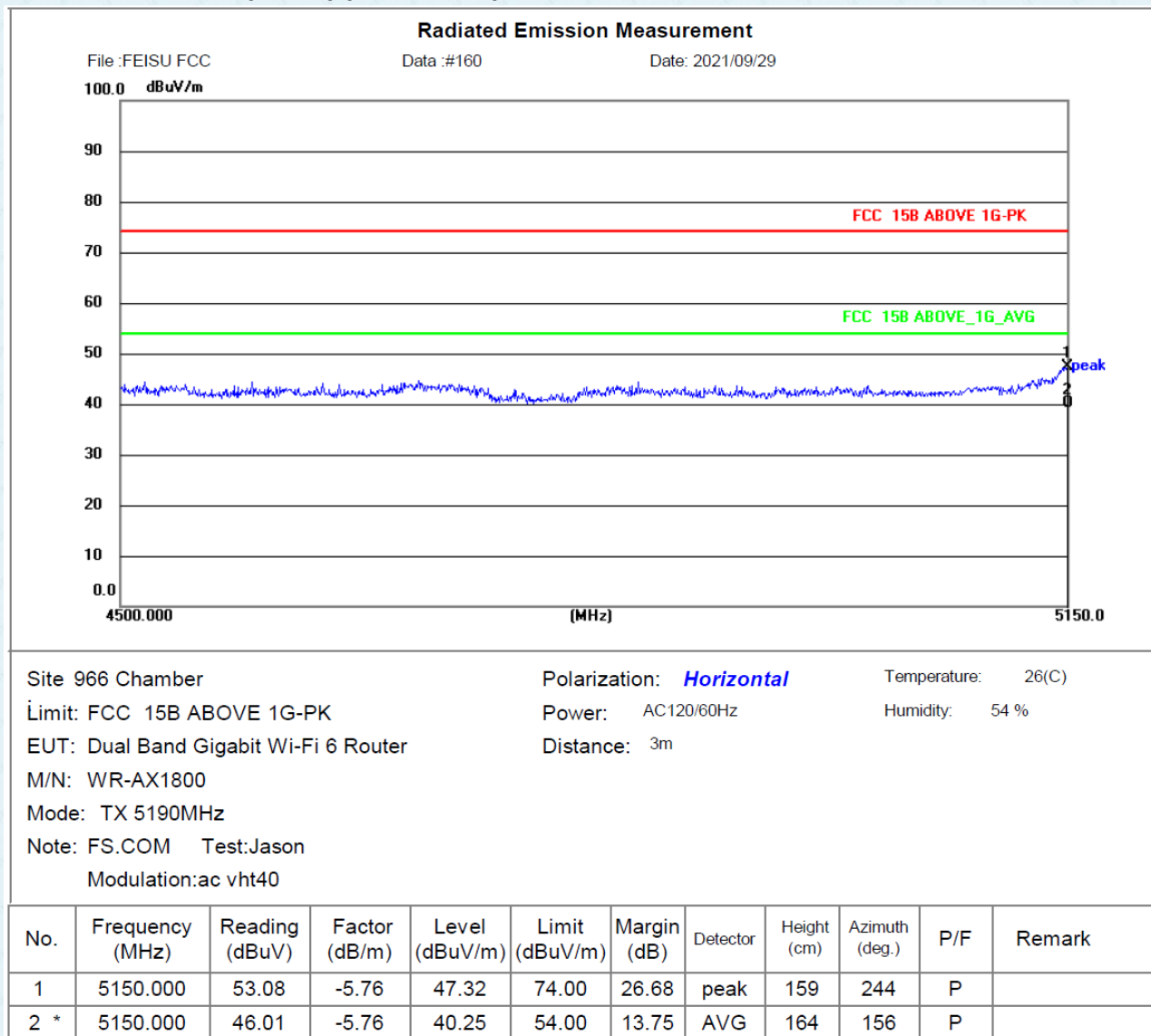
## Horizontal: 802.11ac (VHT20) (TX 5240MHz)



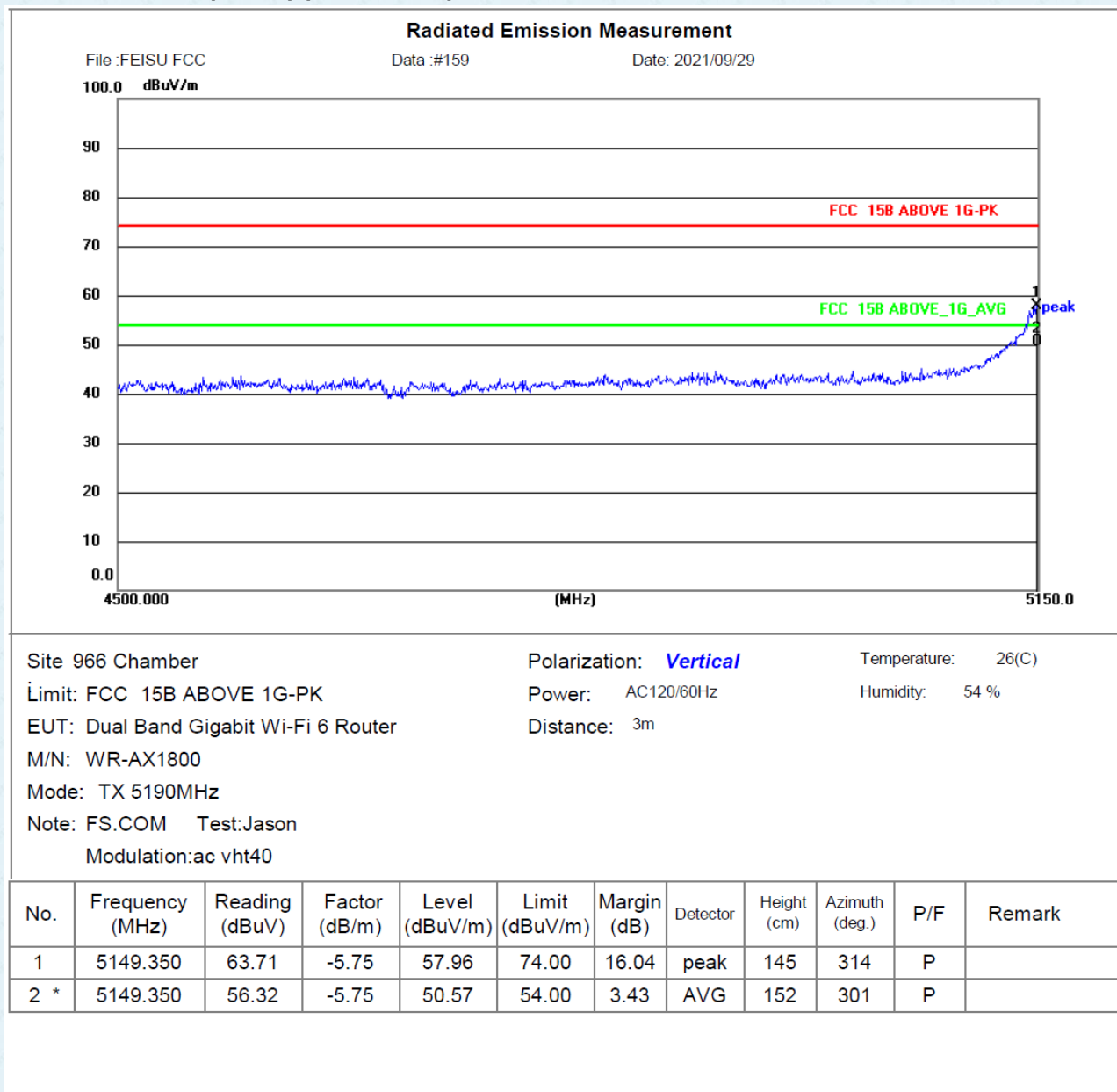
Vertical: 802.11ac (VHT20) (TX 5240MHz)



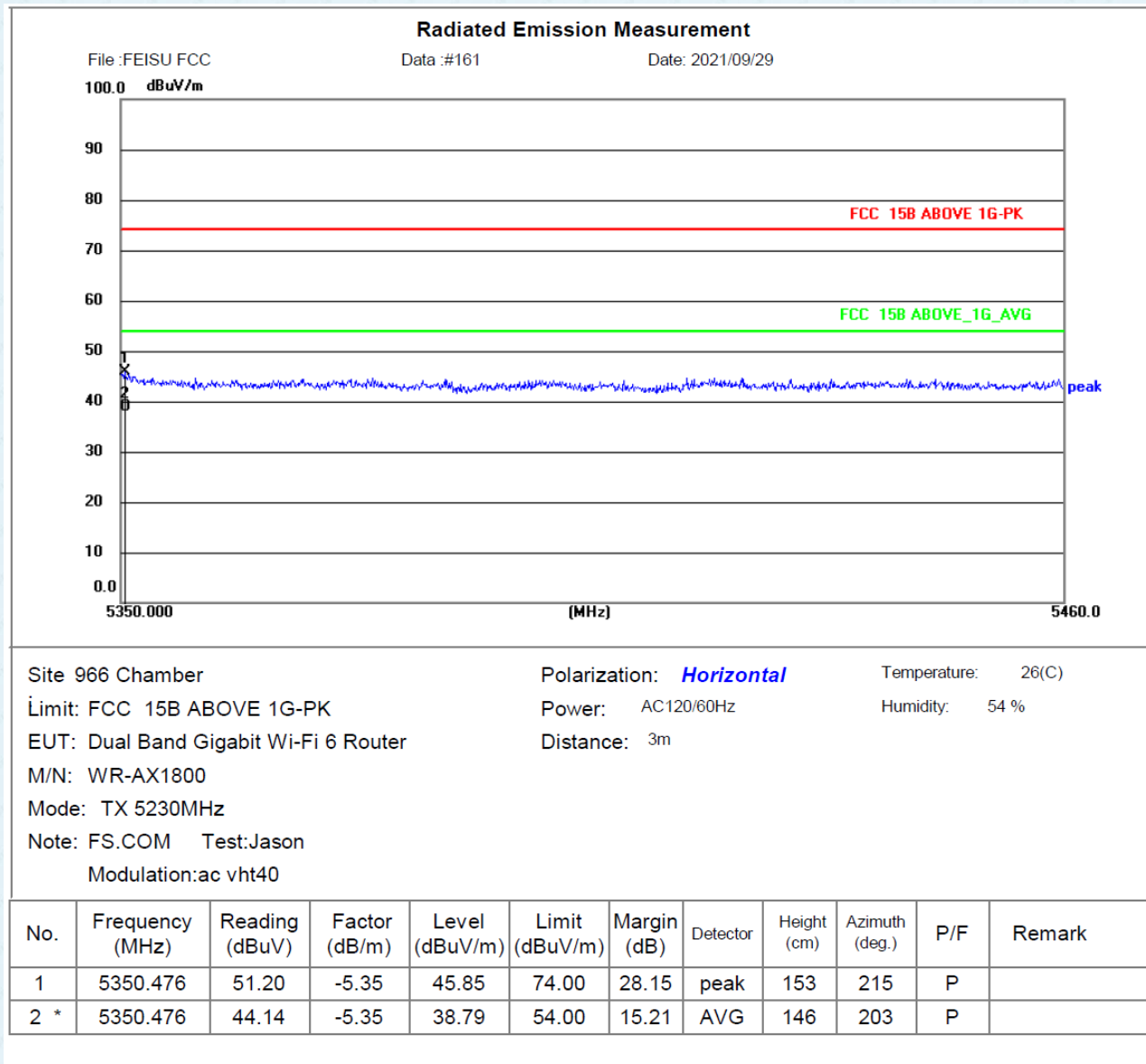
## Horizontal: 802.11ac (VHT40) (TX 5190MHz)



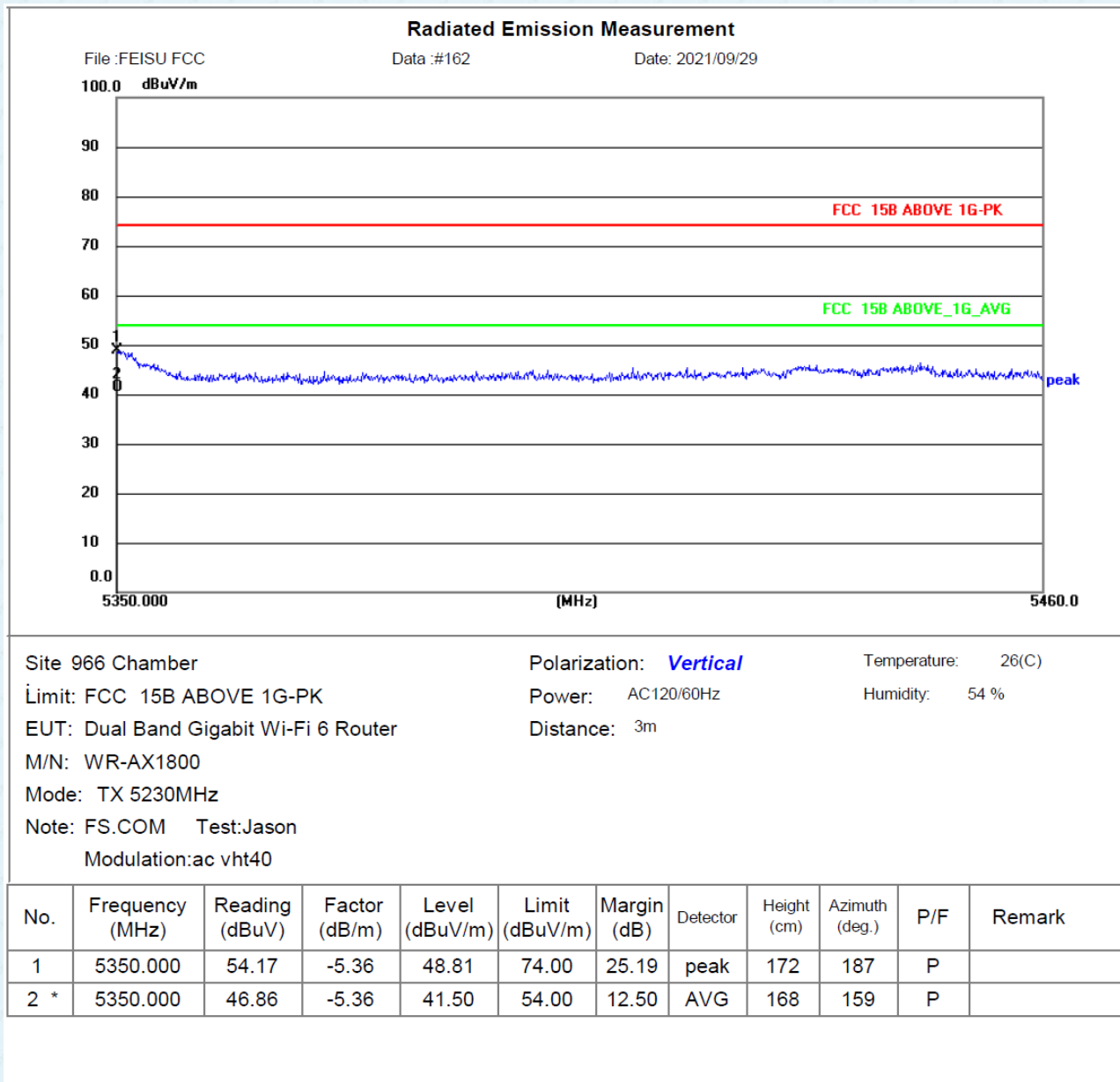
**Vertical: 802.11ac (VHT40) (TX 5190MHz)**



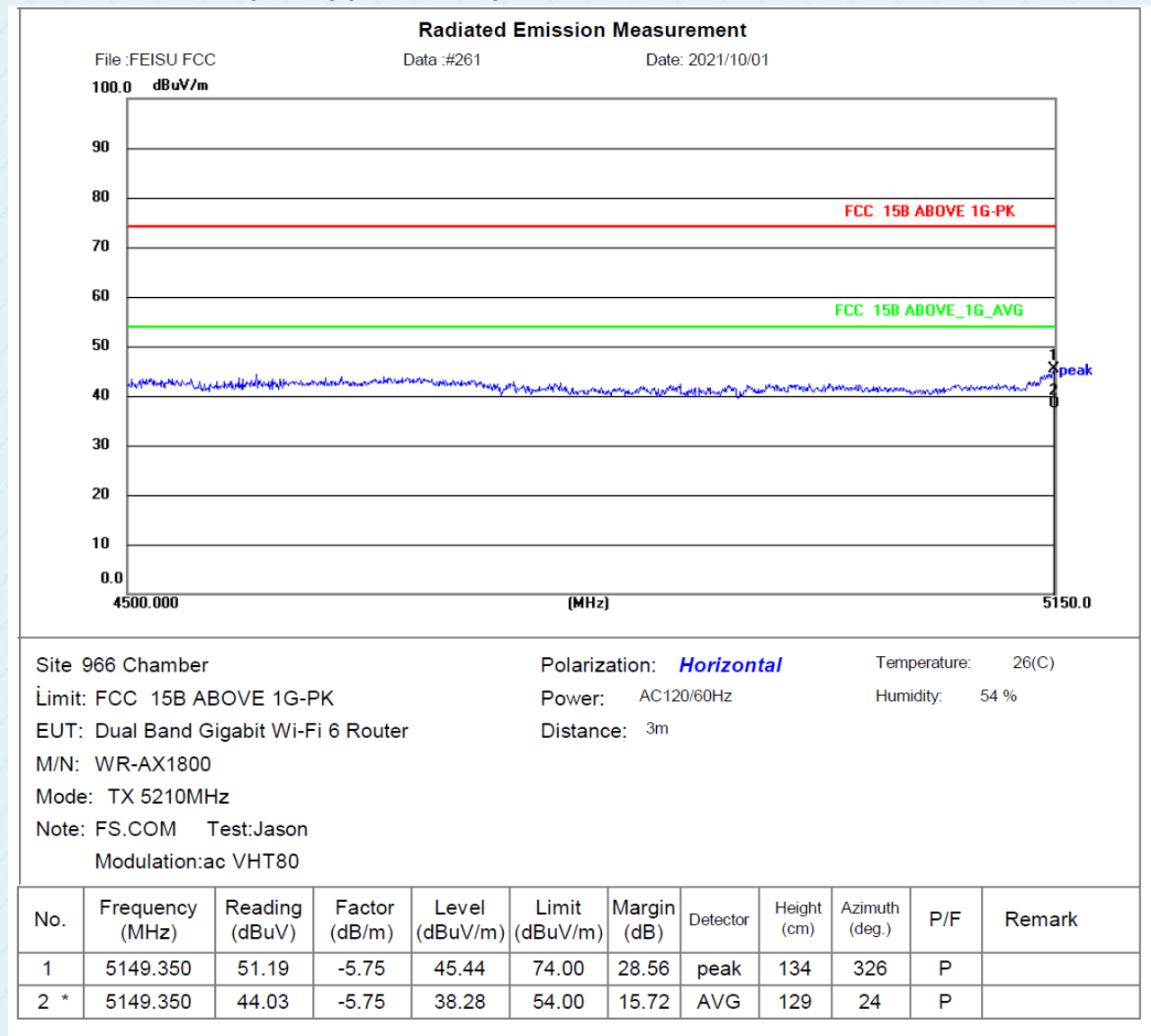
## Horizontal: 802.11ac (VHT40) (TX 5230MHz)



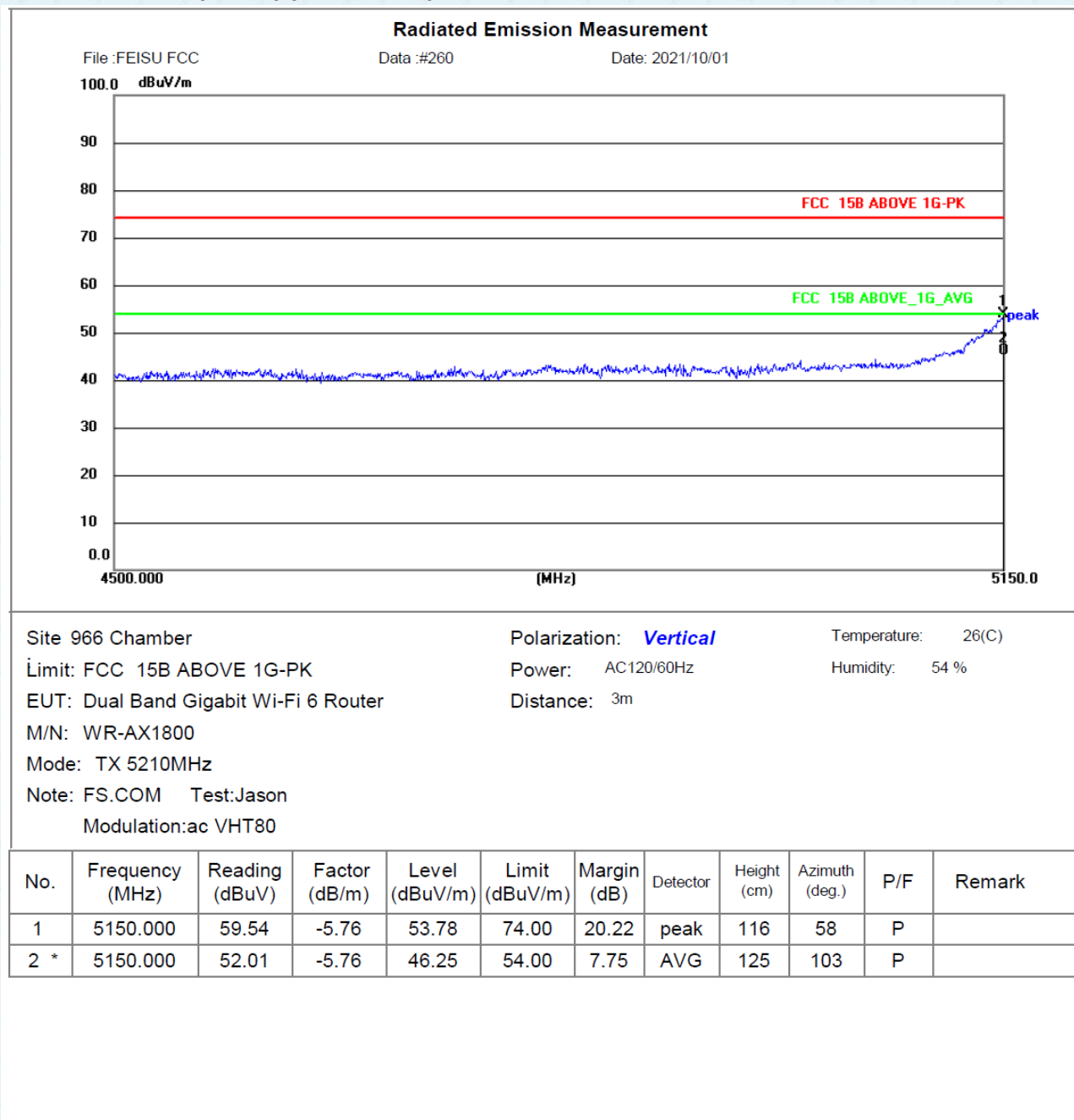
**Vertical: 802.11ac (VHT40) (TX 5230MHz)**



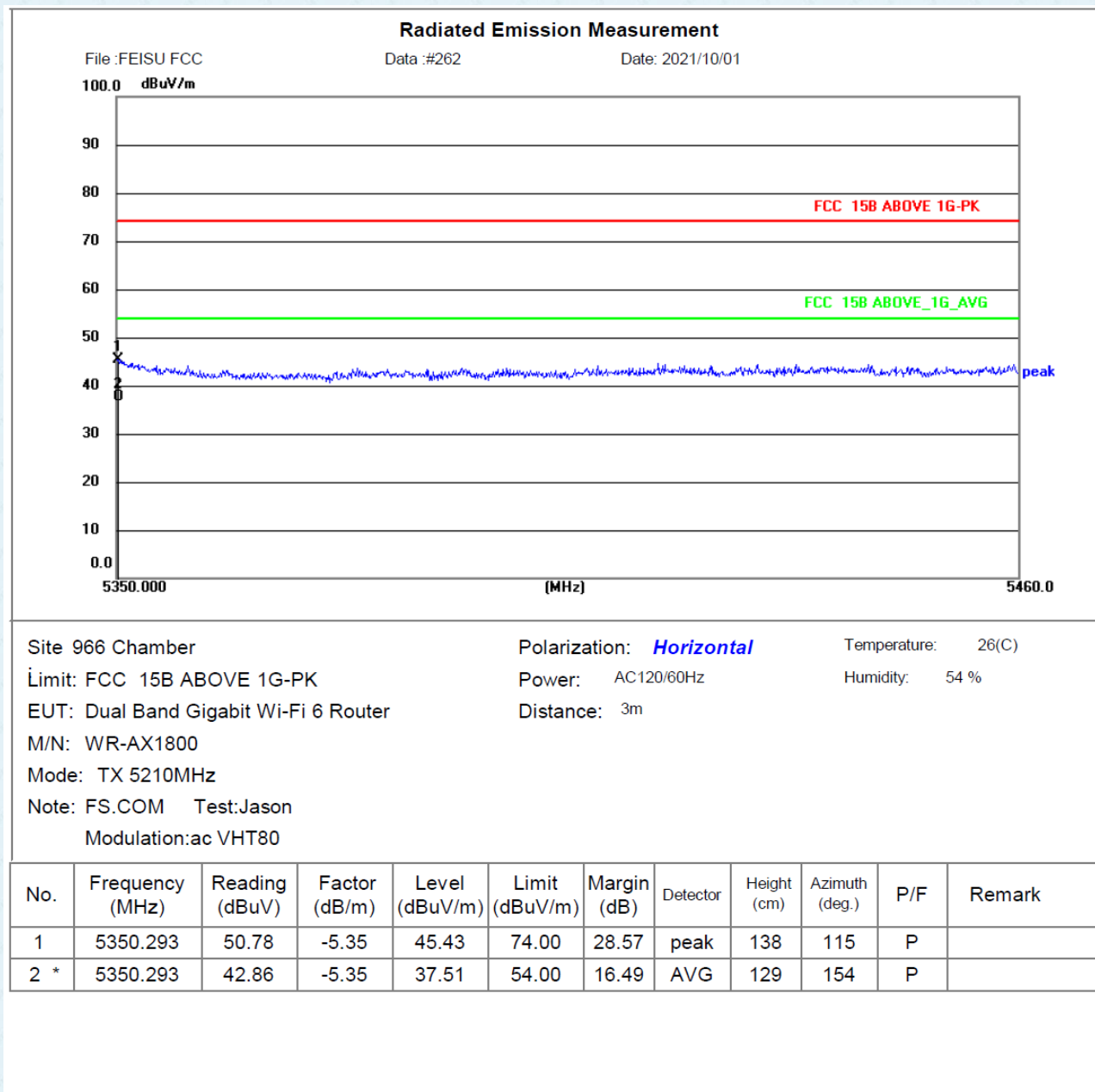
## Horizontal: 802.11ac (VHT80) (TX 5210MHz)



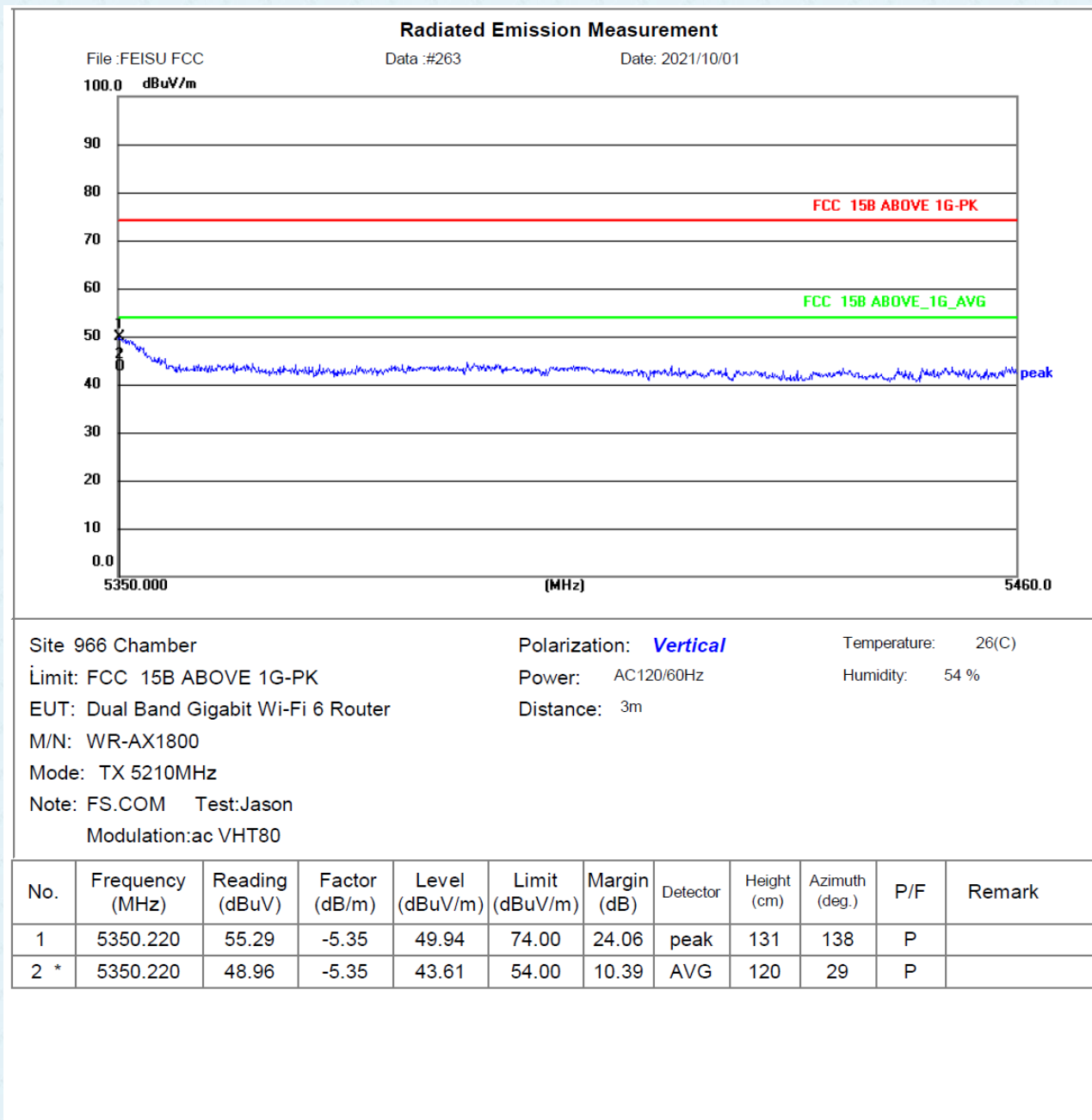
**Vertical: 802.11ac (VHT80) (TX 5210MHz)**



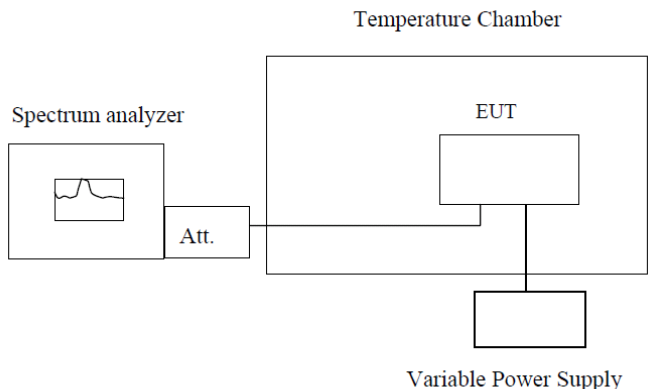
**Horizontal: 802.11ac (VHT80) (TX 5210MHz)**



**Vertical: 802.11ac (VHT80) (TX 5210MHz)**



## 7.8 Frequency stability

|                   |                                                                                                                                                                                                       |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.407(g)                                                                                                                                                                        |
| Test Method:      | ANSI C63.10:2013, FCC Part 2.1055                                                                                                                                                                     |
| Limit:            | Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified |
| Test Procedure:   | The EUT was setup to ANSI C63.4, 2003; tested to 2.1055 for compliance to FCC Part 15.407(g) requirements.                                                                                            |
| Test setup:       |  <p><b>Note :</b> Measurement setup for testing on Antenna connector</p>                                           |
| Test Instruments: | Refer to section 6 for details                                                                                                                                                                        |
| Test mode:        | Refer to section 5.2 for details                                                                                                                                                                      |
| Test results:     | Pass                                                                                                                                                                                                  |

Remark: Set the EUT transmits at un-modulation mode to test frequency stability.

Pre-scan all test modes, found worst case at 802.11a, and so only show the test result of 802.11a

**Measurement data:**

| <b>Frequency stability versus Temp.</b> |                          |                                |               |                                |               |                                |               |                                |               |
|-----------------------------------------|--------------------------|--------------------------------|---------------|--------------------------------|---------------|--------------------------------|---------------|--------------------------------|---------------|
| Worse Case Operating Frequency: 5180MHz |                          |                                |               |                                |               |                                |               |                                |               |
| Temp.<br>(°C)                           | Power<br>Supply<br>(VAC) | 0 minute                       |               | 2 minute                       |               | 5 minute                       |               | 10 minute                      |               |
|                                         |                          | Measured<br>Frequency<br>(MHz) | Pass<br>/Fail | Measured<br>Frequency<br>(MHz) | Pass<br>/Fail | Measured<br>Frequency<br>(MHz) | Pass<br>/Fail | Measured<br>Frequency<br>(MHz) | Pass<br>/Fail |
| -30                                     | 120                      | 5179.95                        | Pass          | 5179.96                        | Pass          | 5179.96                        | Pass          | 5179.97                        | Pass          |
| -20                                     | 120                      | 5179.96                        | Pass          | 5179.97                        | Pass          | 5179.98                        | Pass          | 5179.99                        | Pass          |
| -10                                     | 120                      | 5179.97                        | Pass          | 5179.98                        | Pass          | 5179.98                        | Pass          | 5179.98                        | Pass          |
| 0                                       | 120                      | 5179.97                        | Pass          | 5179.99                        | Pass          | 5179.99                        | Pass          | 5179.98                        | Pass          |
| 10                                      | 120                      | 5179.98                        | Pass          | 5179.98                        | Pass          | 5179.99                        | Pass          | 5179.99                        | Pass          |
| 20                                      | 120                      | 5179.99                        | Pass          | 5179.97                        | Pass          | 5179.99                        | Pass          | 5180.00                        | Pass          |
| 30                                      | 120                      | 5179.97                        | Pass          | 5179.98                        | Pass          | 5179.98                        | Pass          | 5179.98                        | Pass          |
| 40                                      | 120                      | 5179.98                        | Pass          | 5179.98                        | Pass          | 5179.98                        | Pass          | 5180.01                        | Pass          |
| 50                                      | 120                      | 5179.97                        | Pass          | 5179.97                        | Pass          | 5179.97                        | Pass          | 5179.98                        | Pass          |
| <b>Frequency stability versus Temp.</b> |                          |                                |               |                                |               |                                |               |                                |               |
| Worse Case Operating Frequency: 5180MHz |                          |                                |               |                                |               |                                |               |                                |               |
| Temp.<br>(°C)                           | Power<br>Supply<br>(VAC) | 0 minute                       |               | 2 minute                       |               | 5 minute                       |               | 10 minute                      |               |
|                                         |                          | Measured<br>Frequency<br>(MHz) | Pass<br>/Fail | Measured<br>Frequency<br>(MHz) | Pass<br>/Fail | Measured<br>Frequency<br>(MHz) | Pass<br>/Fail | Measured<br>Frequency<br>(MHz) | Pass<br>/Fail |
| 25                                      | 120                      | 5179.99                        | Pass          | 5180.00                        | Pass          | 5179.99                        | Pass          | 5180.00                        | Pass          |

| <b>Frequency stability versus Temp.</b> |                          |                                |               |                                |               |                                |               |                                |               |
|-----------------------------------------|--------------------------|--------------------------------|---------------|--------------------------------|---------------|--------------------------------|---------------|--------------------------------|---------------|
| Worse Case Operating Frequency: 5240MHz |                          |                                |               |                                |               |                                |               |                                |               |
| Temp.<br>(°C)                           | Power<br>Supply<br>(VAC) | 0 minute                       |               | 2 minute                       |               | 5 minute                       |               | 10 minute                      |               |
|                                         |                          | Measured<br>Frequency<br>(MHz) | Pass<br>/Fail | Measured<br>Frequency<br>(MHz) | Pass<br>/Fail | Measured<br>Frequency<br>(MHz) | Pass<br>/Fail | Measured<br>Frequency<br>(MHz) | Pass<br>/Fail |
| -30                                     | 120                      | 5239.98                        | Pass          | 5239.99                        | Pass          | 5239.98                        | Pass          | 5239.99                        | Pass          |
| -20                                     | 120                      | 5239.97                        | Pass          | 5239.98                        | Pass          | 5239.98                        | Pass          | 5239.97                        | Pass          |
| -10                                     | 120                      | 5239.98                        | Pass          | 5239.99                        | Pass          | 5239.99                        | Pass          | 5239.98                        | Pass          |
| 0                                       | 120                      | 5239.99                        | Pass          | 5239.99                        | Pass          | 5240.01                        | Pass          | 5239.99                        | Pass          |
| 10                                      | 120                      | 5239.99                        | Pass          | 5239.98                        | Pass          | 5239.99                        | Pass          | 5239.99                        | Pass          |
| 20                                      | 120                      | 5240.00                        | Pass          | 5239.99                        | Pass          | 5239.98                        | Pass          | 5240.02                        | Pass          |
| 30                                      | 120                      | 5239.98                        | Pass          | 5239.97                        | Pass          | 5239.98                        | Pass          | 5239.98                        | Pass          |
| 40                                      | 120                      | 5239.99                        | Pass          | 5239.98                        | Pass          | 5239.98                        | Pass          | 5239.99                        | Pass          |
| 50                                      | 120                      | 5239.98                        | Pass          | 5239.98                        | Pass          | 5239.97                        | Pass          | 5239.97                        | Pass          |
| <b>Frequency stability versus Temp.</b> |                          |                                |               |                                |               |                                |               |                                |               |
| Worse Case Operating Frequency: 5240MHz |                          |                                |               |                                |               |                                |               |                                |               |
| Temp.<br>(°C)                           | Power<br>Supply<br>(VAC) | 0 minute                       |               | 2 minute                       |               | 5 minute                       |               | 10 minute                      |               |
|                                         |                          | Measured<br>Frequency<br>(MHz) | Pass<br>/Fail | Measured<br>Frequency<br>(MHz) | Pass<br>/Fail | Measured<br>Frequency<br>(MHz) | Pass<br>/Fail | Measured<br>Frequency<br>(MHz) | Pass<br>/Fail |
| 25                                      | 120                      | 5239.98                        | Pass          | 5239.98                        | Pass          | 5239.99                        | Pass          | 5240.01                        | Pass          |

## 8 Test Setup Photo

Reference to the **appendix I** for details.

## 9 EUT Constructional Details

Reference to the **appendix II** for details.

---END---