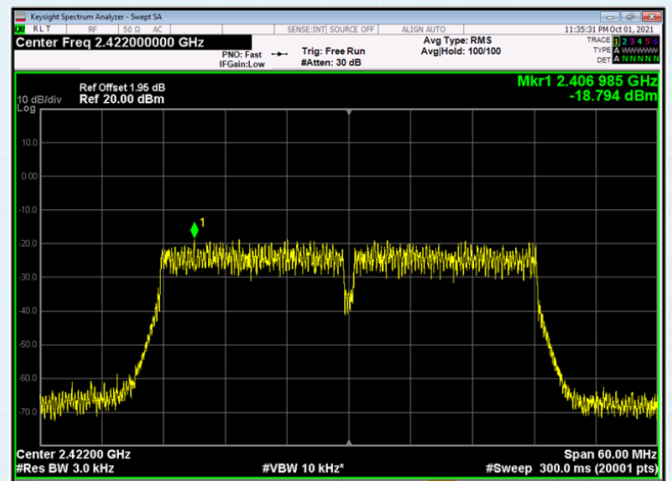
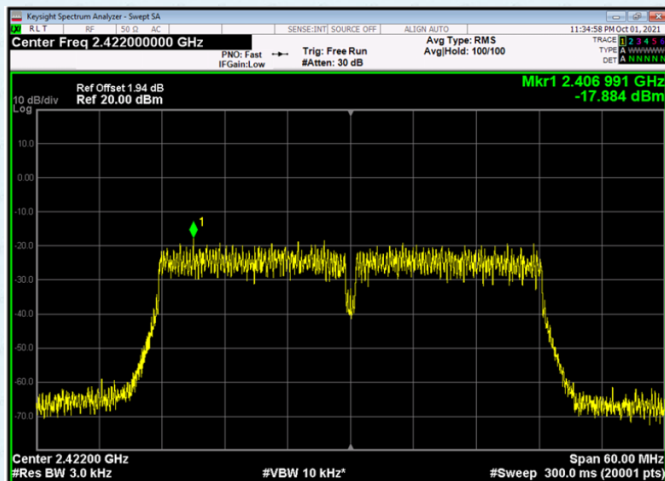
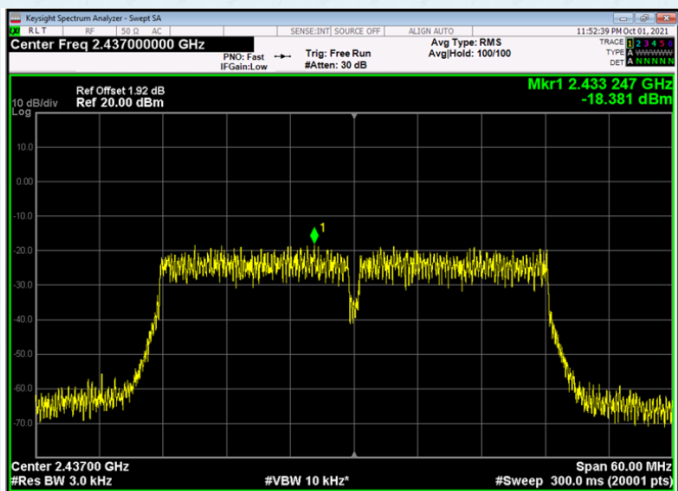
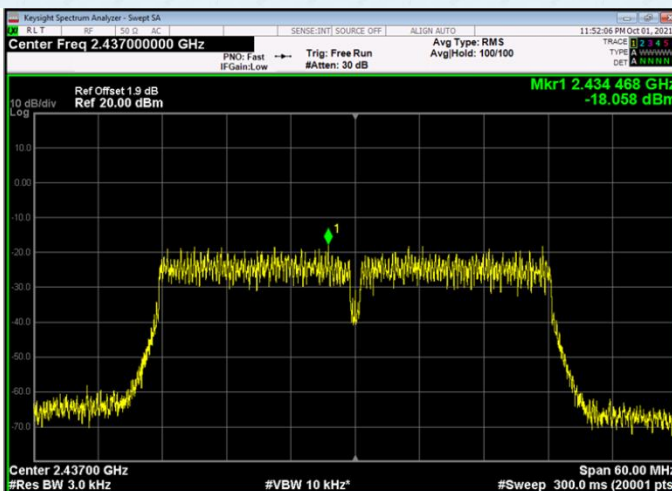


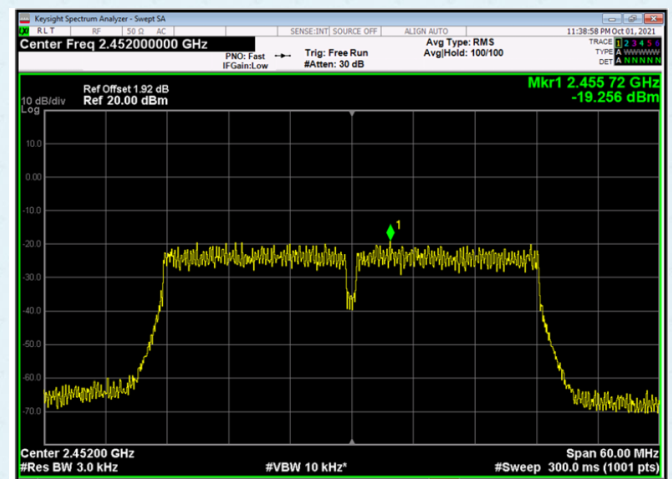
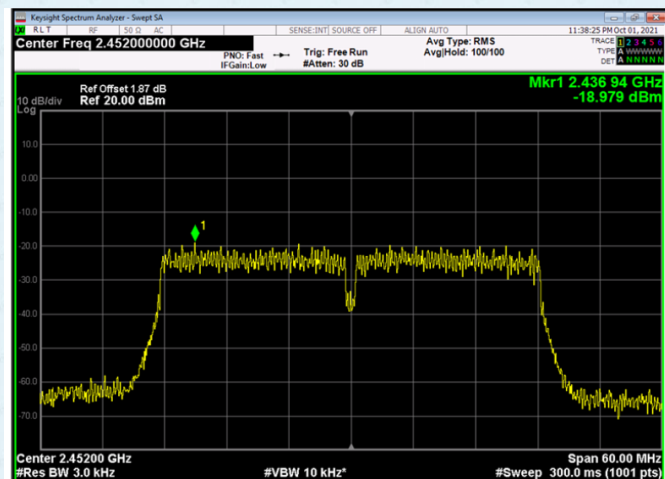
Test mode:	IEEE VHT40 Ant A	Test mode:	IEEE VHT40 (Ant B)
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Lowest channel



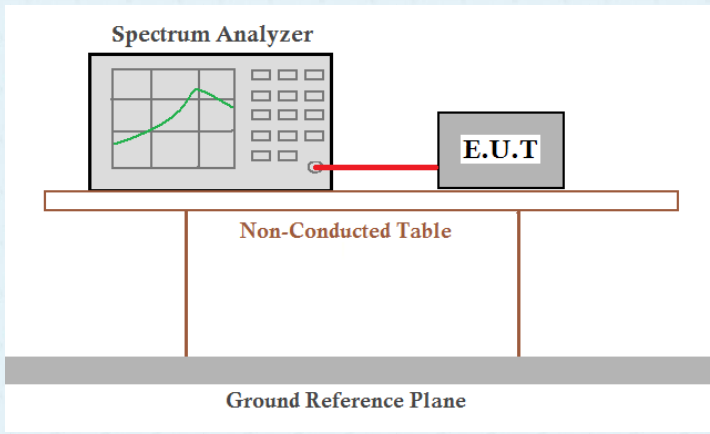
Middle channel



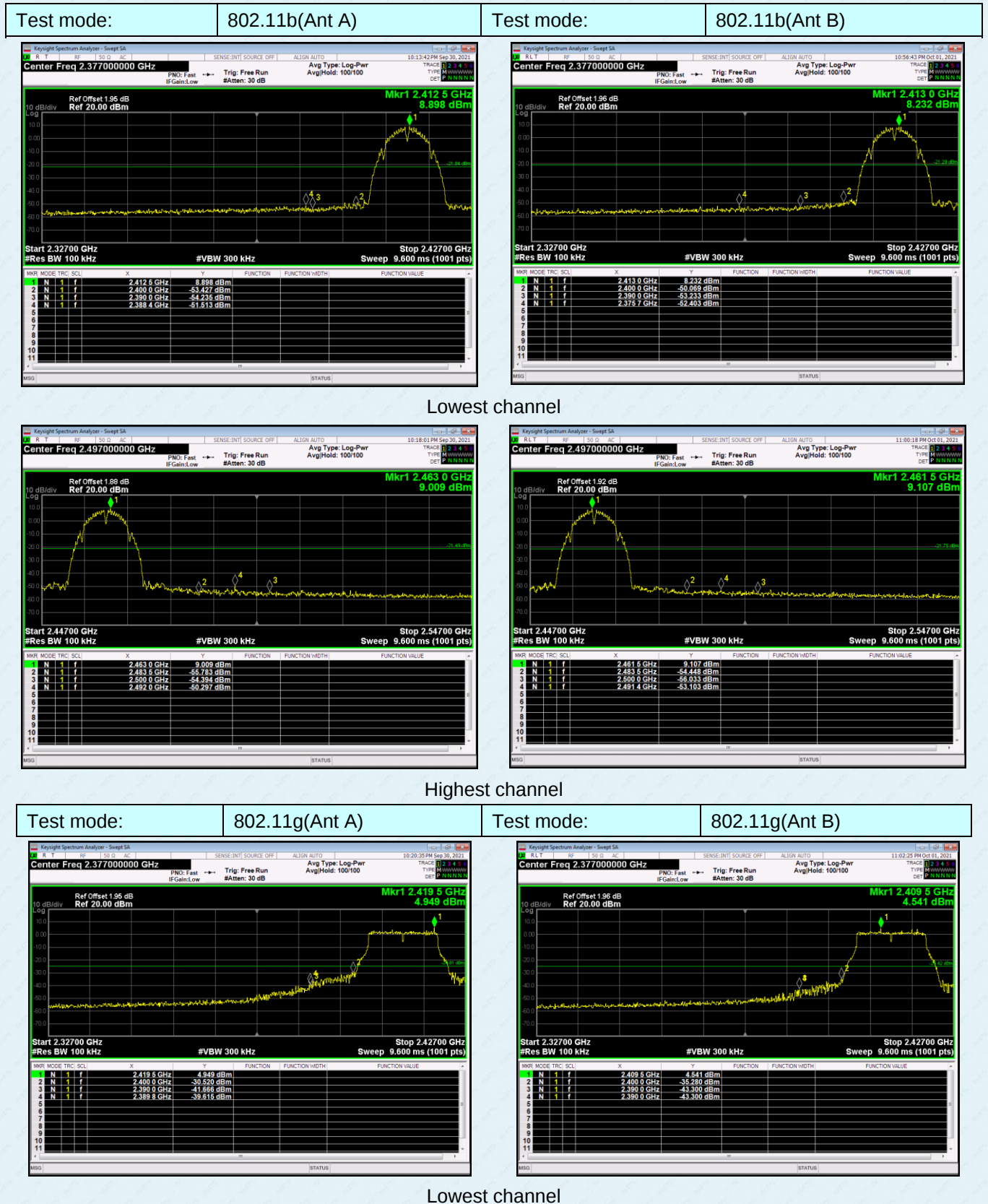
Highest channel

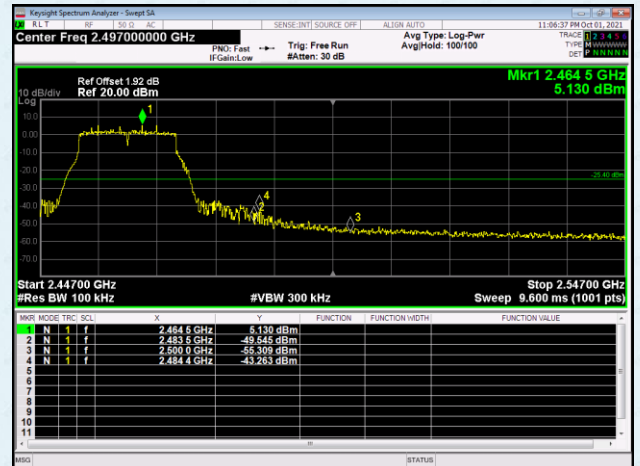
7.6 Band edges

7.6.1 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:	 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 sits on a Ground Reference Plane.
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:





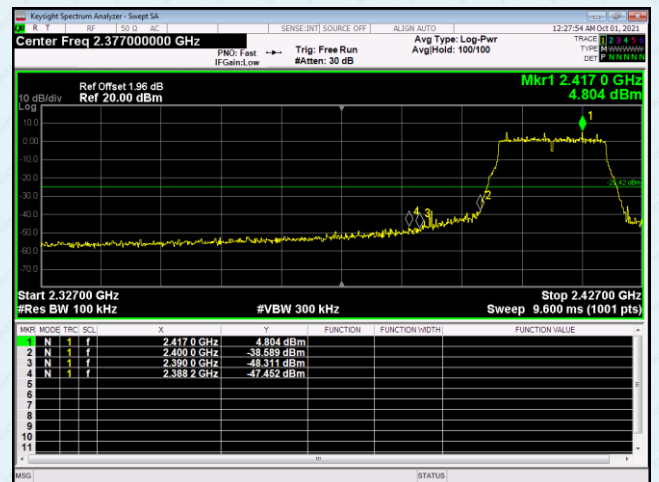
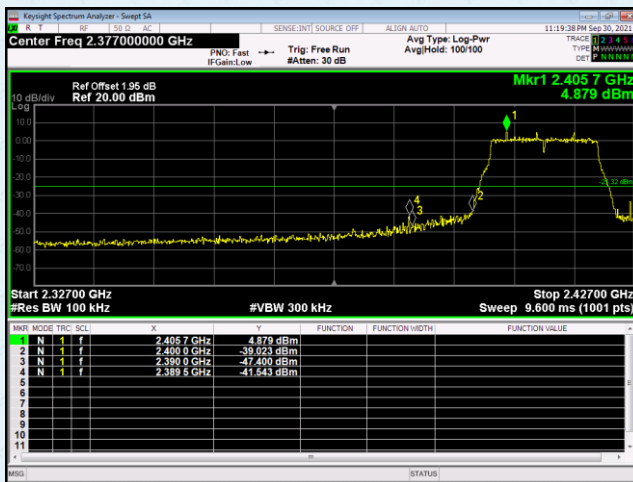
Highest channel

Test mode:

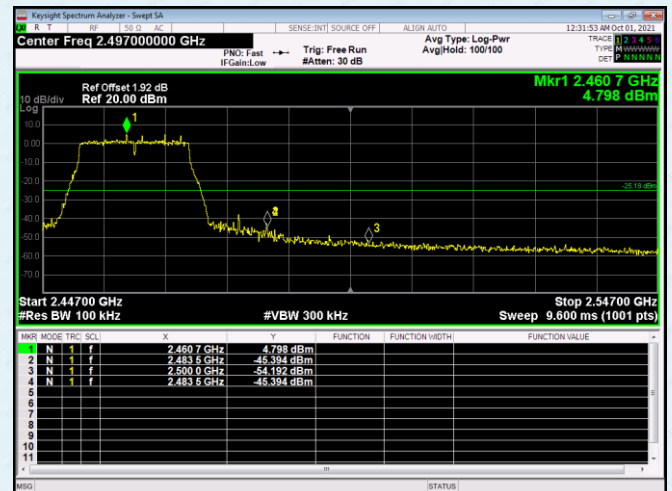
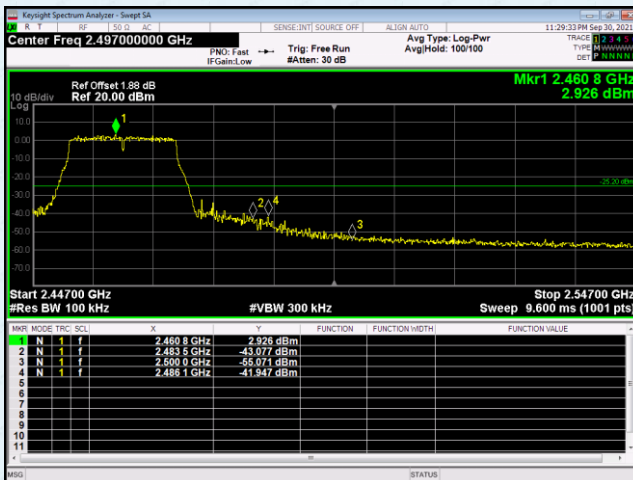
802.11n (HT20) Ant A

Test mode:

802.11n (HT20) (Ant B)

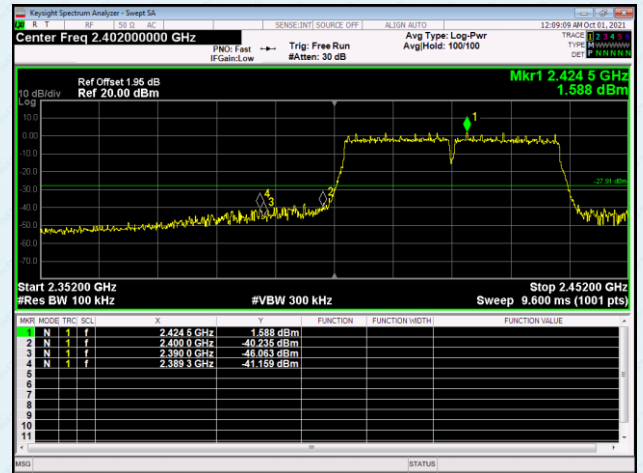
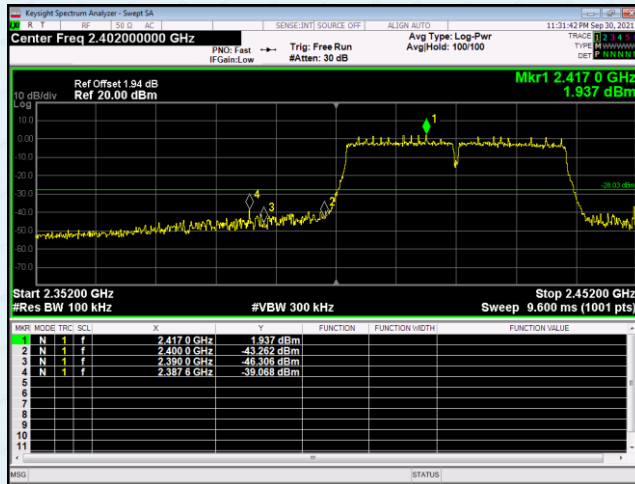


Lowest channel

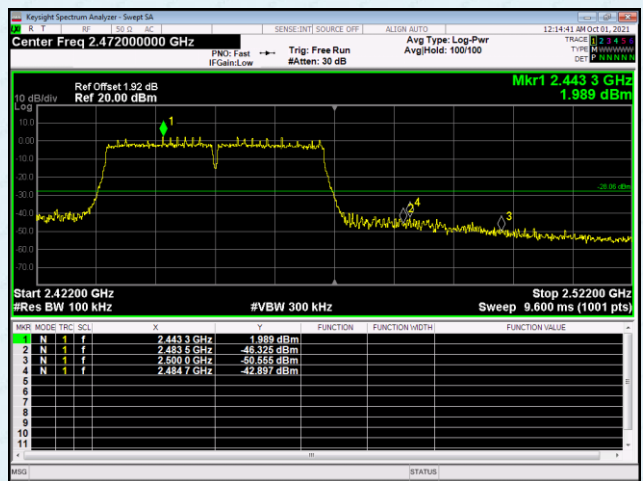
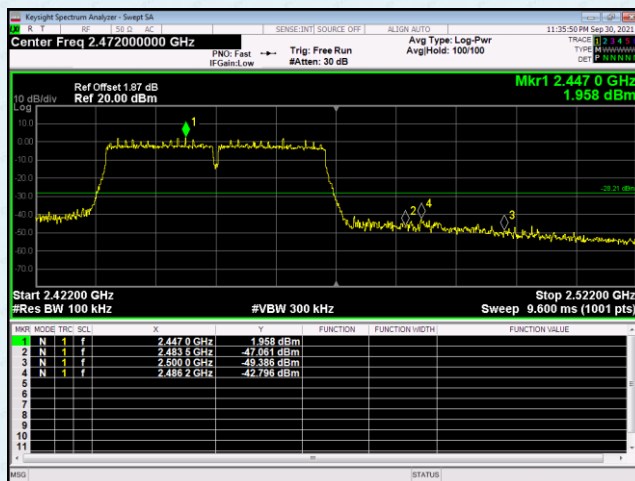


Highest channel

Test mode:	802.11n (HT40) Ant A	Test mode:	802.11n (HT40) (Ant B)
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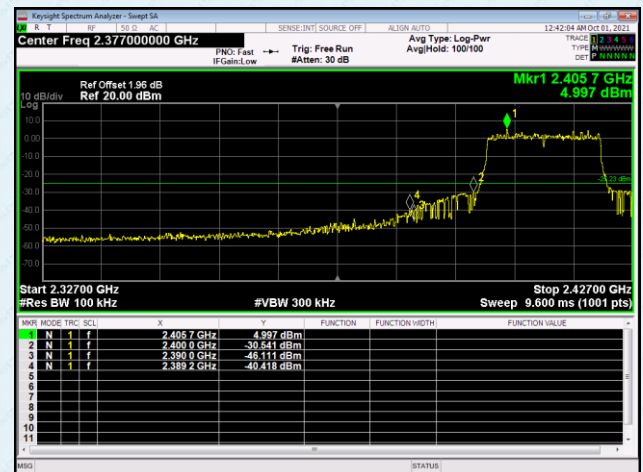
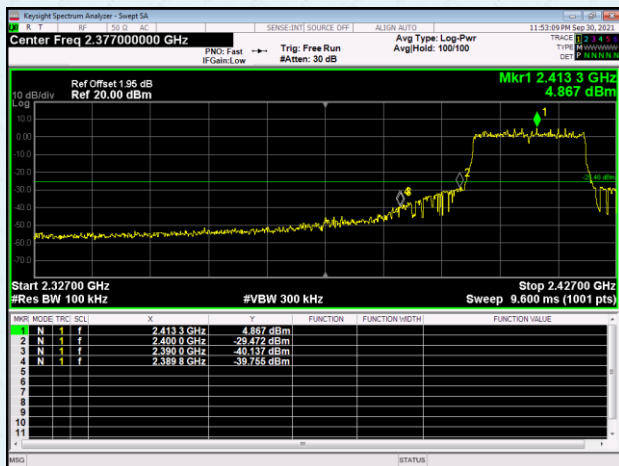


Lowest channel

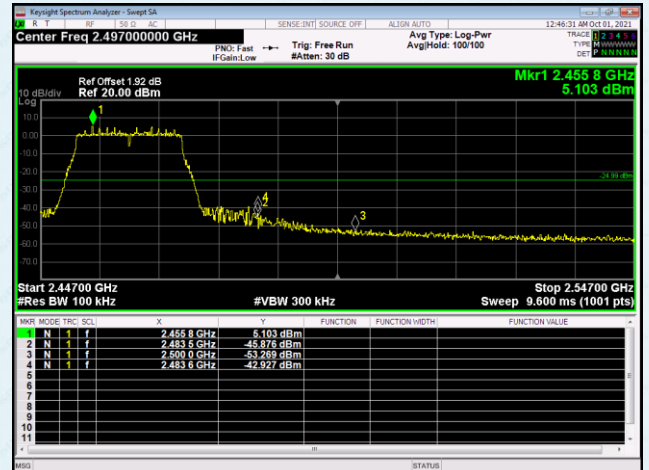


Highest channel

Test mode:	802.11ax (HE20) Ant A	Test mode:	802.11ax (HE20) (Ant B)
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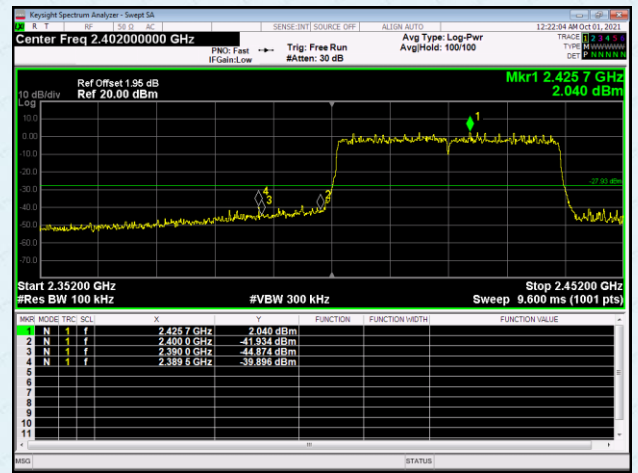
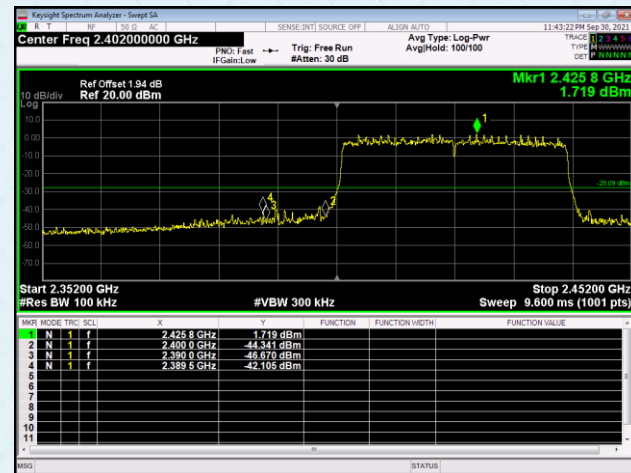


Lowest channel

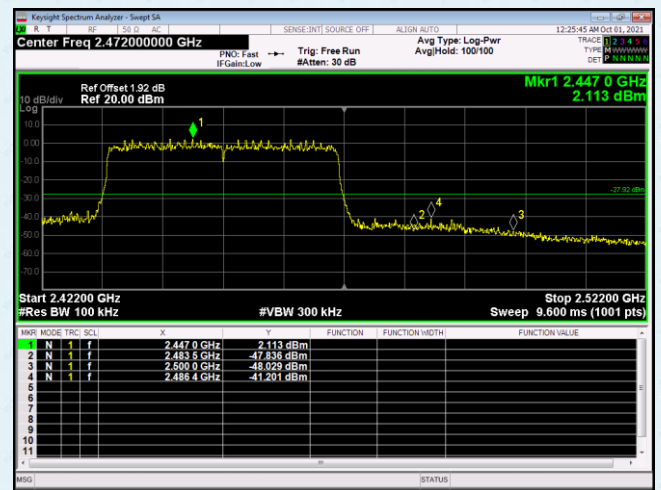
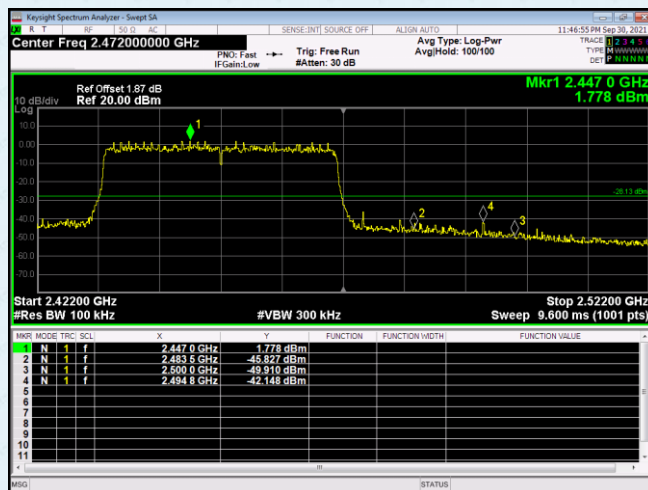


Highest channel

Test mode:	802.11ax (HE40) Ant A	Test mode:	802.11ax (HE40) (Ant B)
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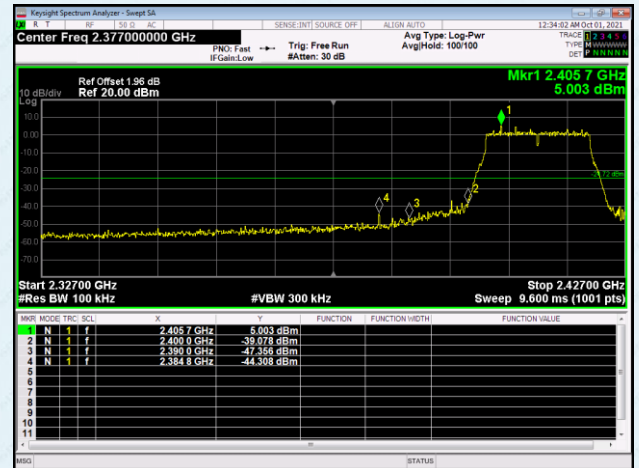
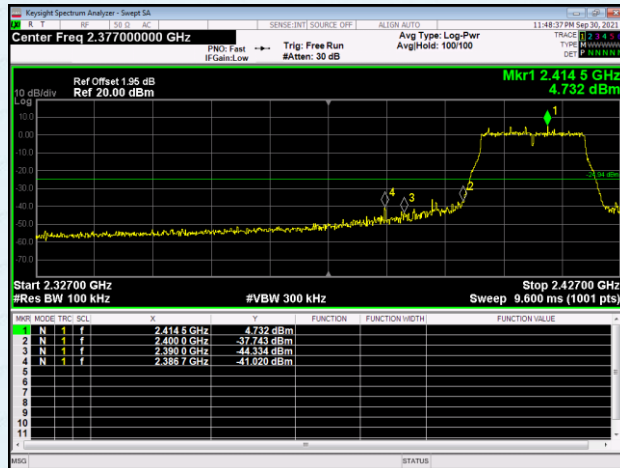


Lowest channel

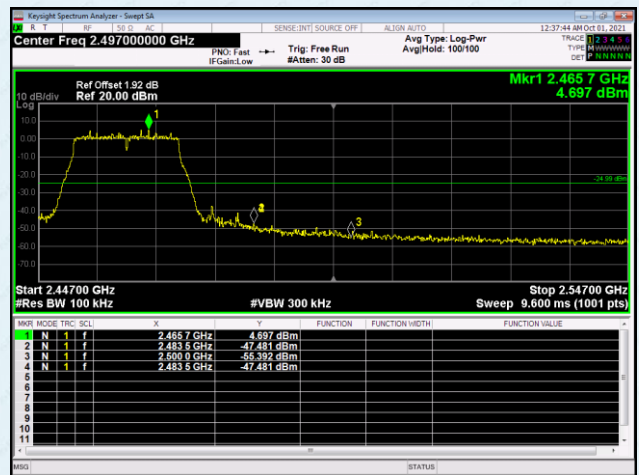
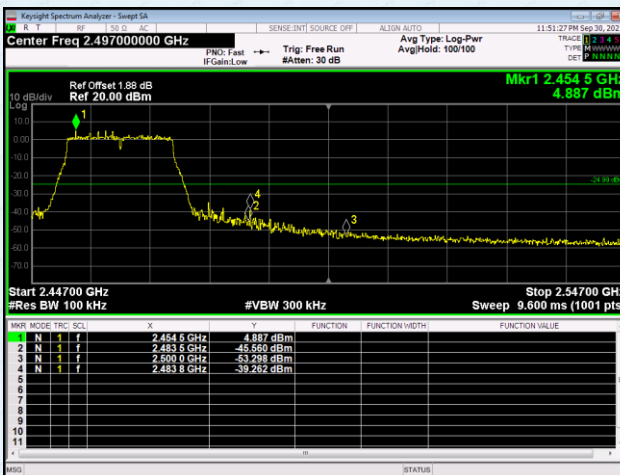


Highest channel

Test mode:	IEEE VHT20 Ant A	Test mode:	IEEE VHT20 (Ant B)
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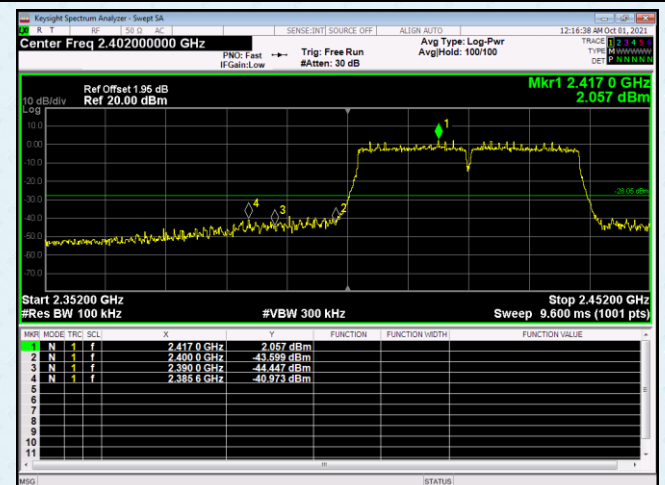
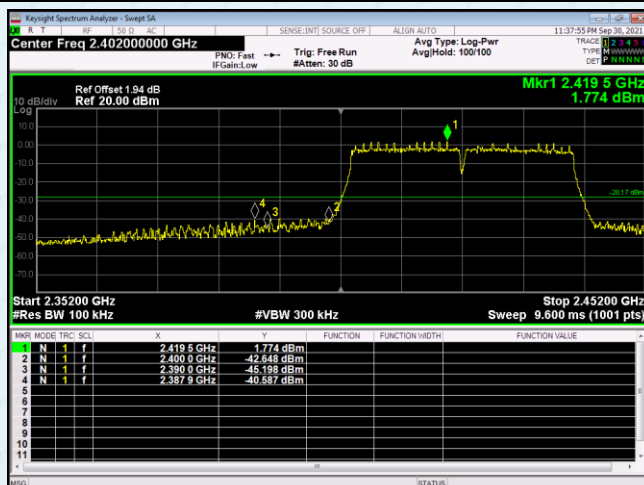


Lowest channel

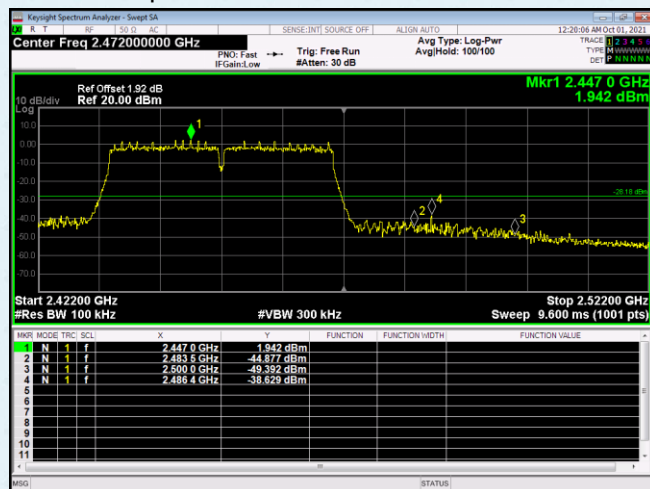
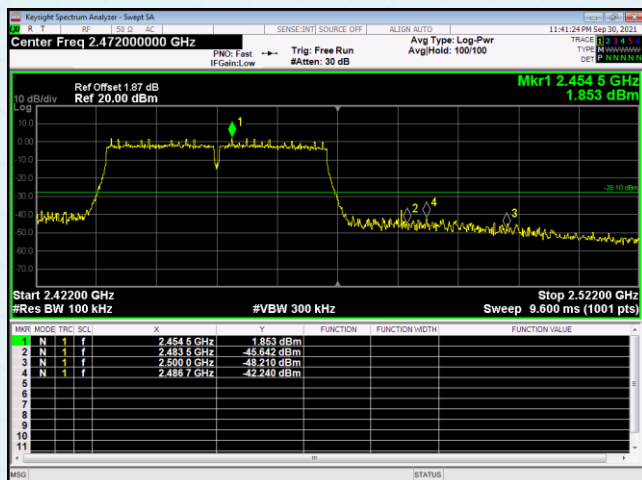


Highest channel

Test mode:	IEEE VHT40 Ant A	Test mode:	IEEE VHT40 (Ant B)
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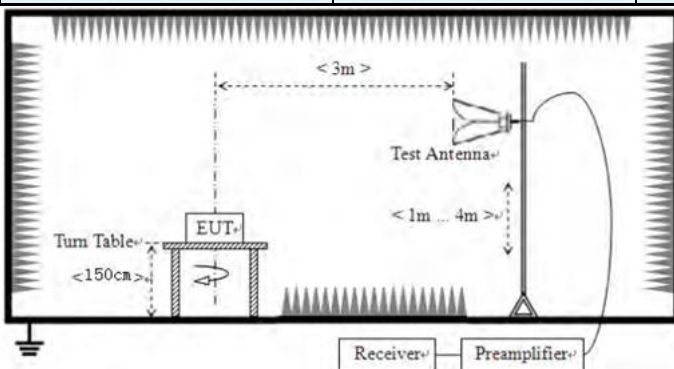


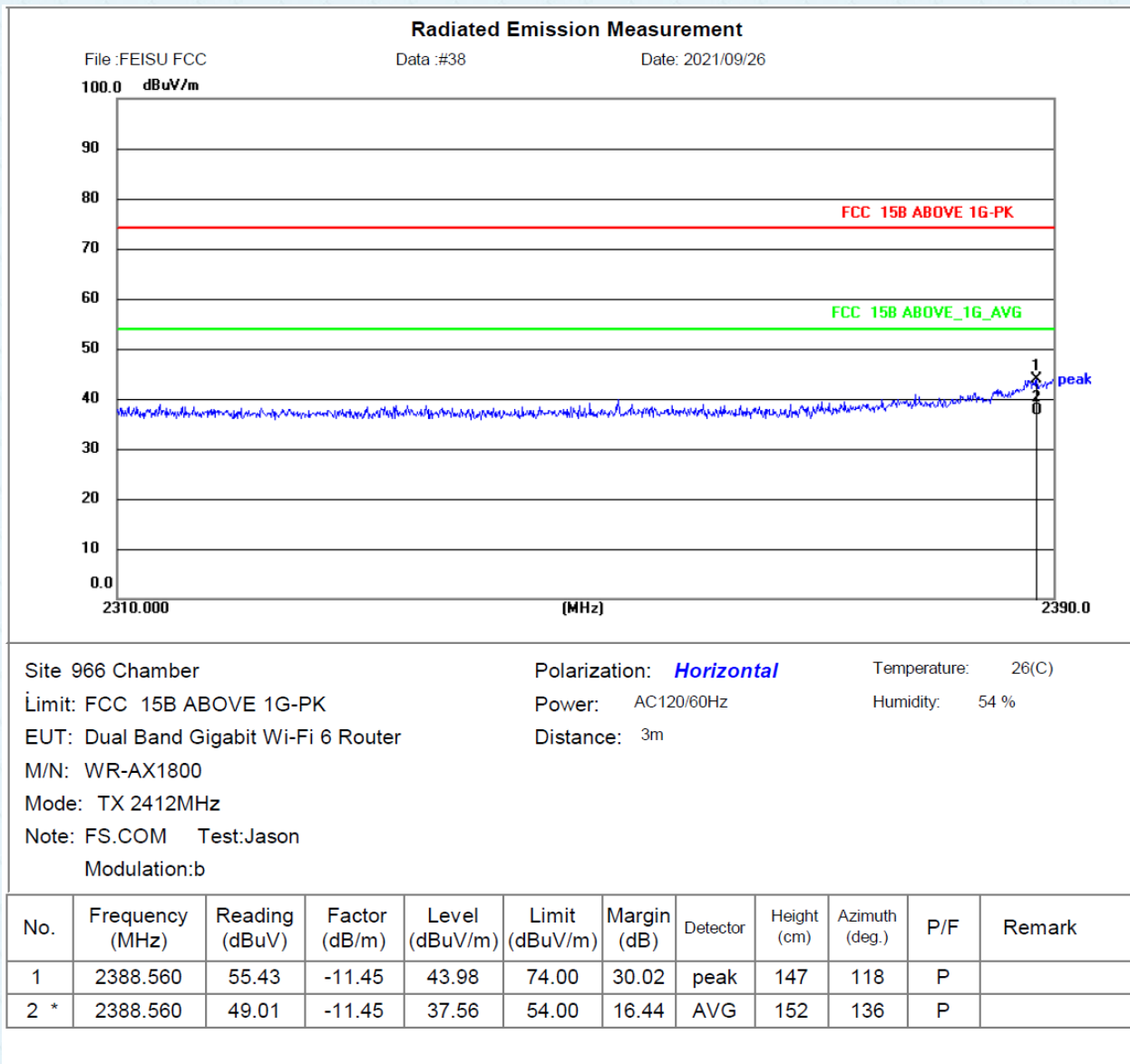
Lowest channel



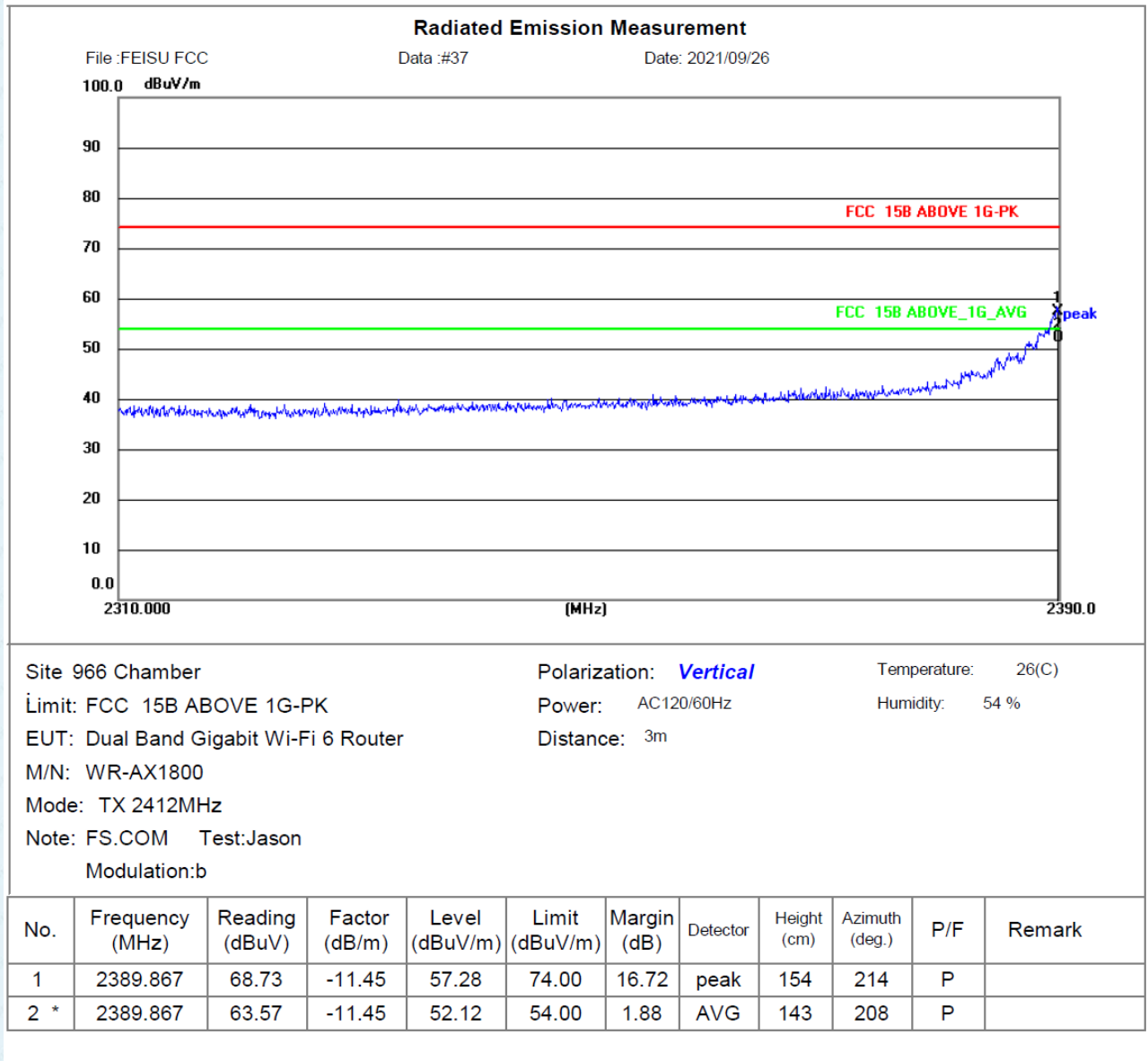
Highest channel

Radiated Emission Method

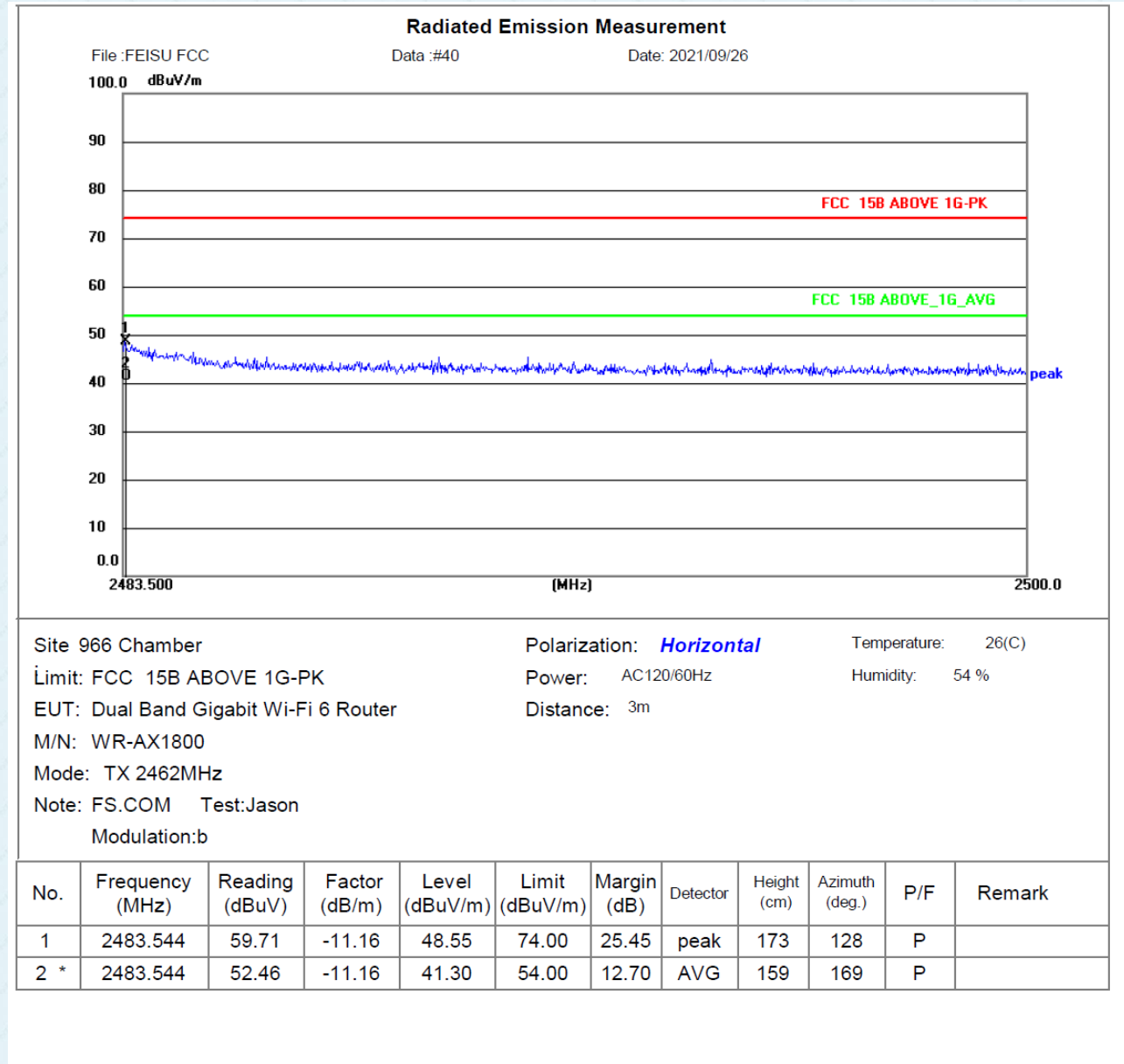
Test Requirement:	FCC Part15 C Section 15.209 and 15.205				
Test Method:	ANSI C63.10: 2013				
Test Frequency Range:	All of the restrict bands were tested, only the worst band's (2310MHz to 2500MHz) data was showed.				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Average	1MHz	3MHz	Average
Limit:	Frequency		Limit (dBuV/m @3m)		Value
	Above 1GHz		54.00		Average
			74.00		Peak
Test setup:					
Test Procedure:	1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 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. 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. 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 rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 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. 7. The radiation measurements are performed in X, Y, Z axis positioning. And found the Y axis positioning which it is worse case, only the test worst case mode is recorded in the report.				
Test Instruments:	Refer to section 6.0 for details				
Test mode:	Refer to section 5.2 for details				
Test results:	Pass				

Measurement data:
Horizontal: 802.11b (TX 2412MHz)


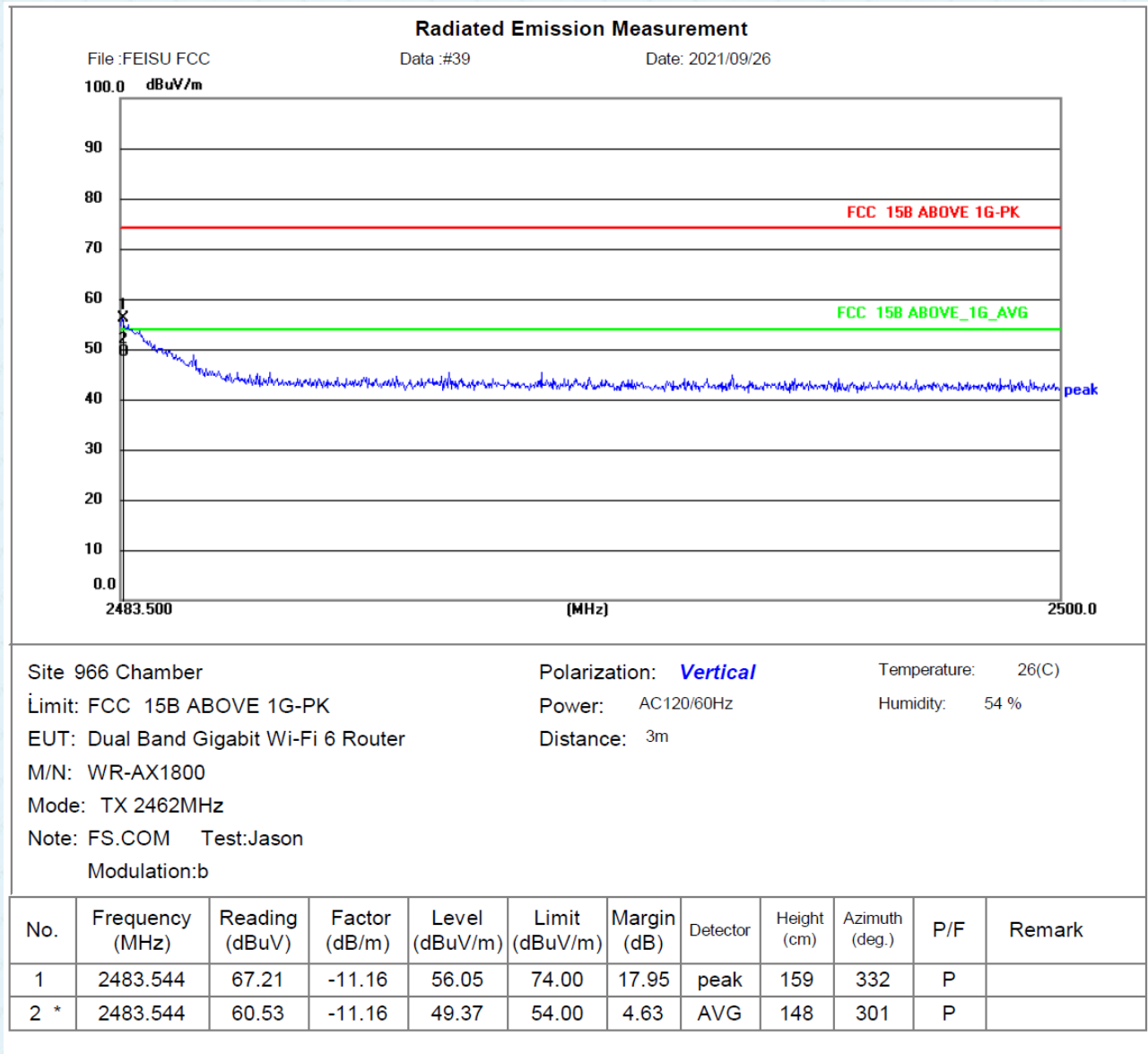
Vertical: 802.11b (TX 2412MHz)



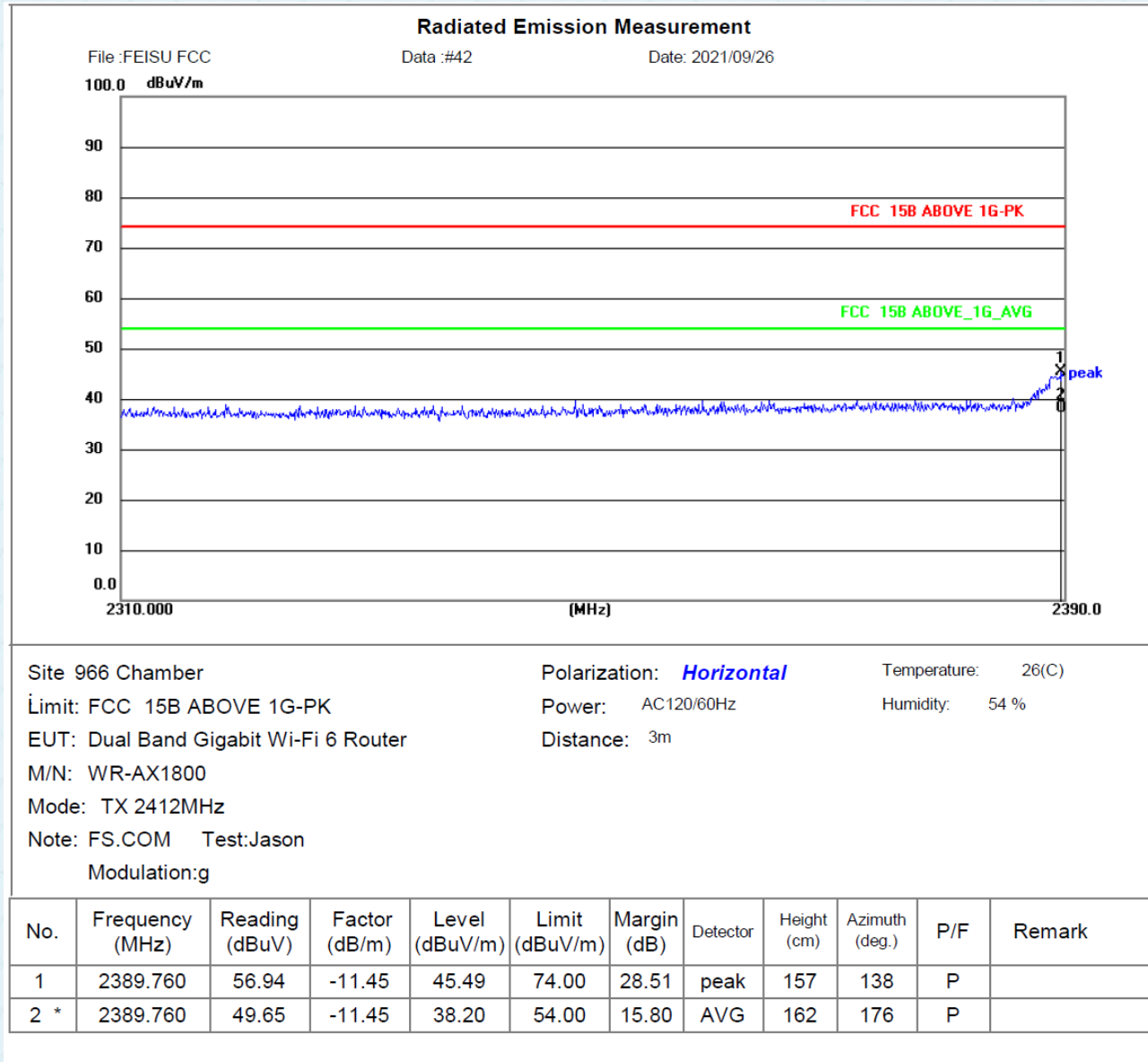
Horizontal: 802.11b (TX 2462MHz)



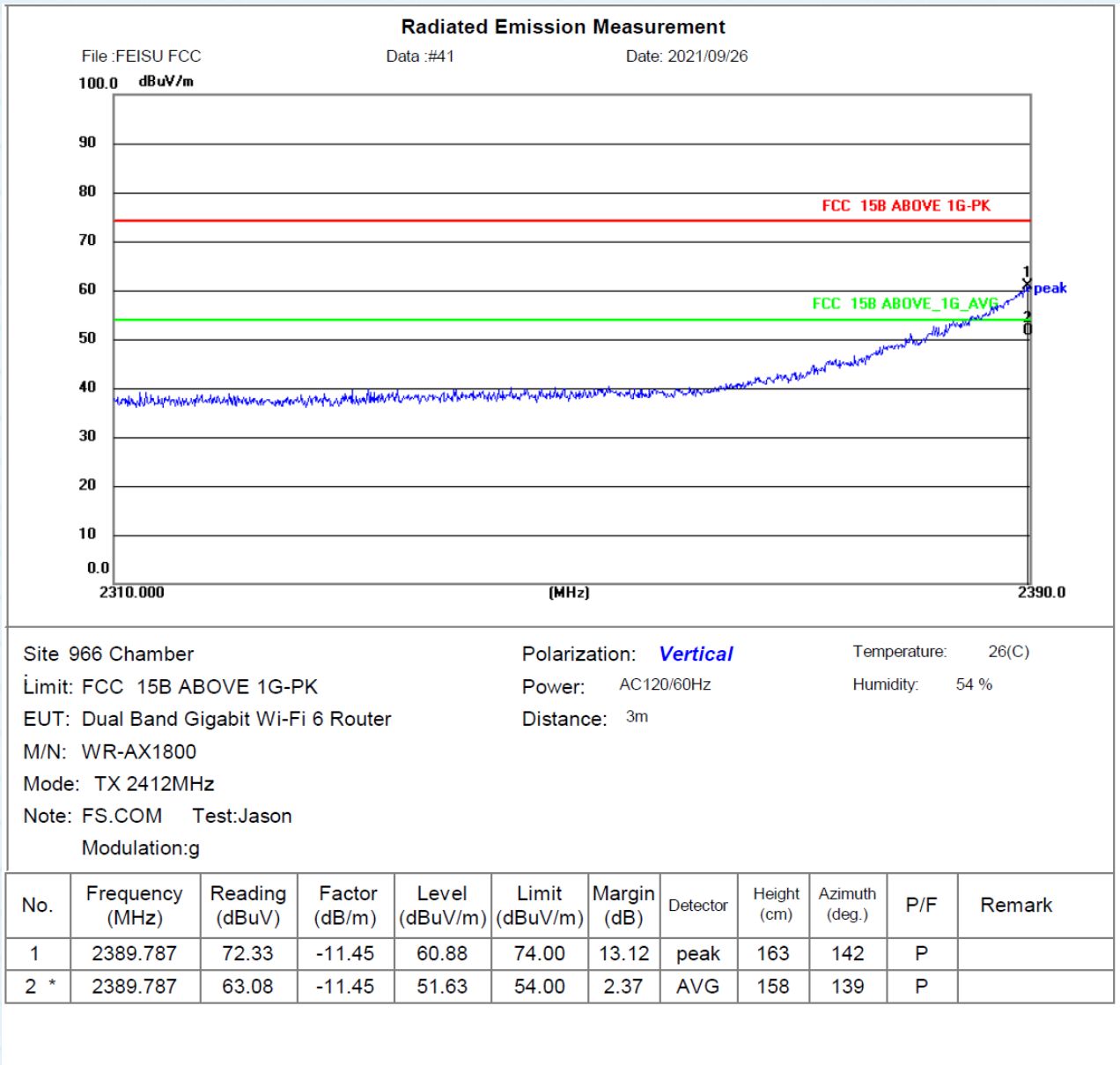
Vertical: 802.11b (TX 2462MHz)



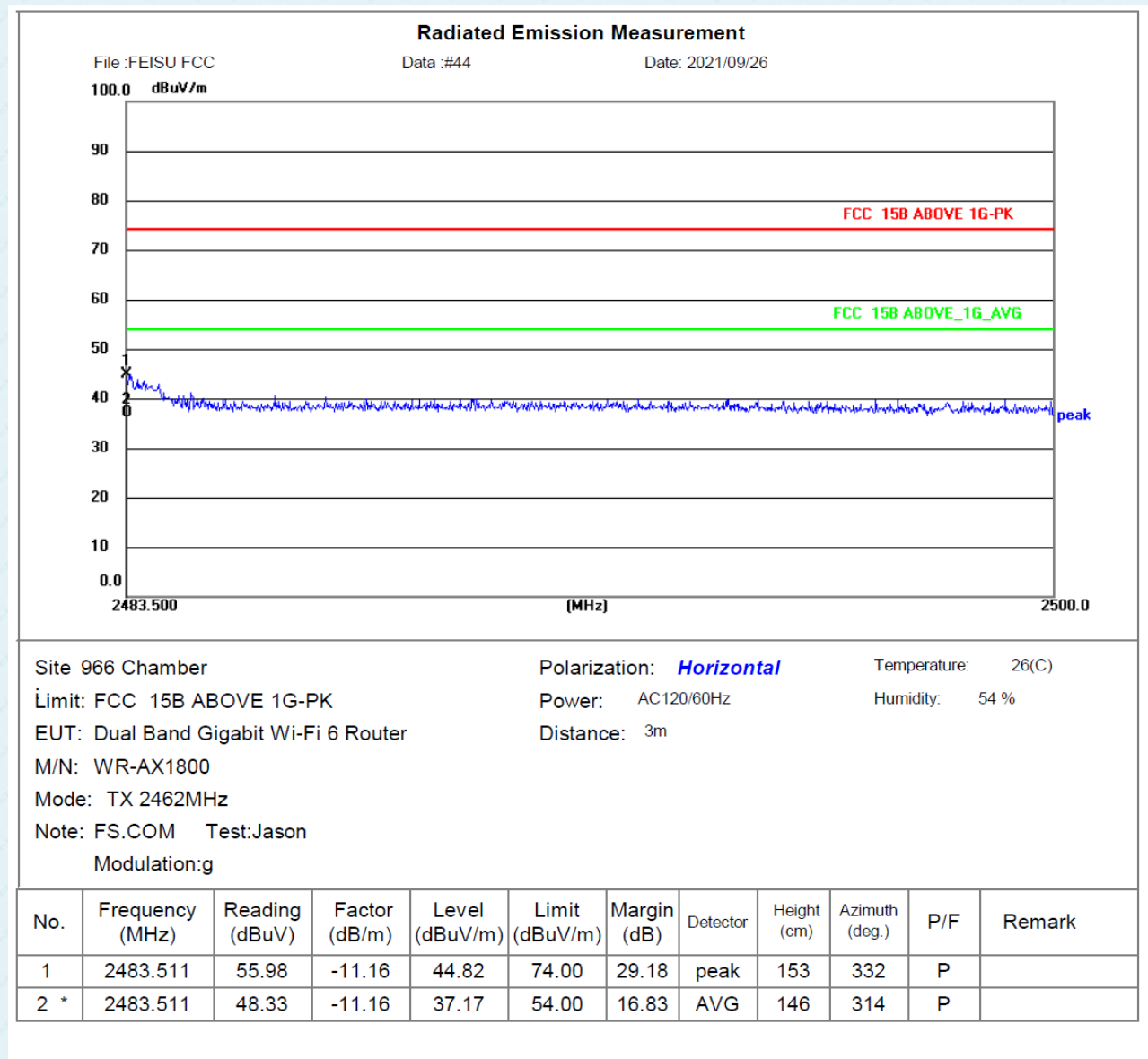
Horizontal: 802.11g (TX 2412MHz)



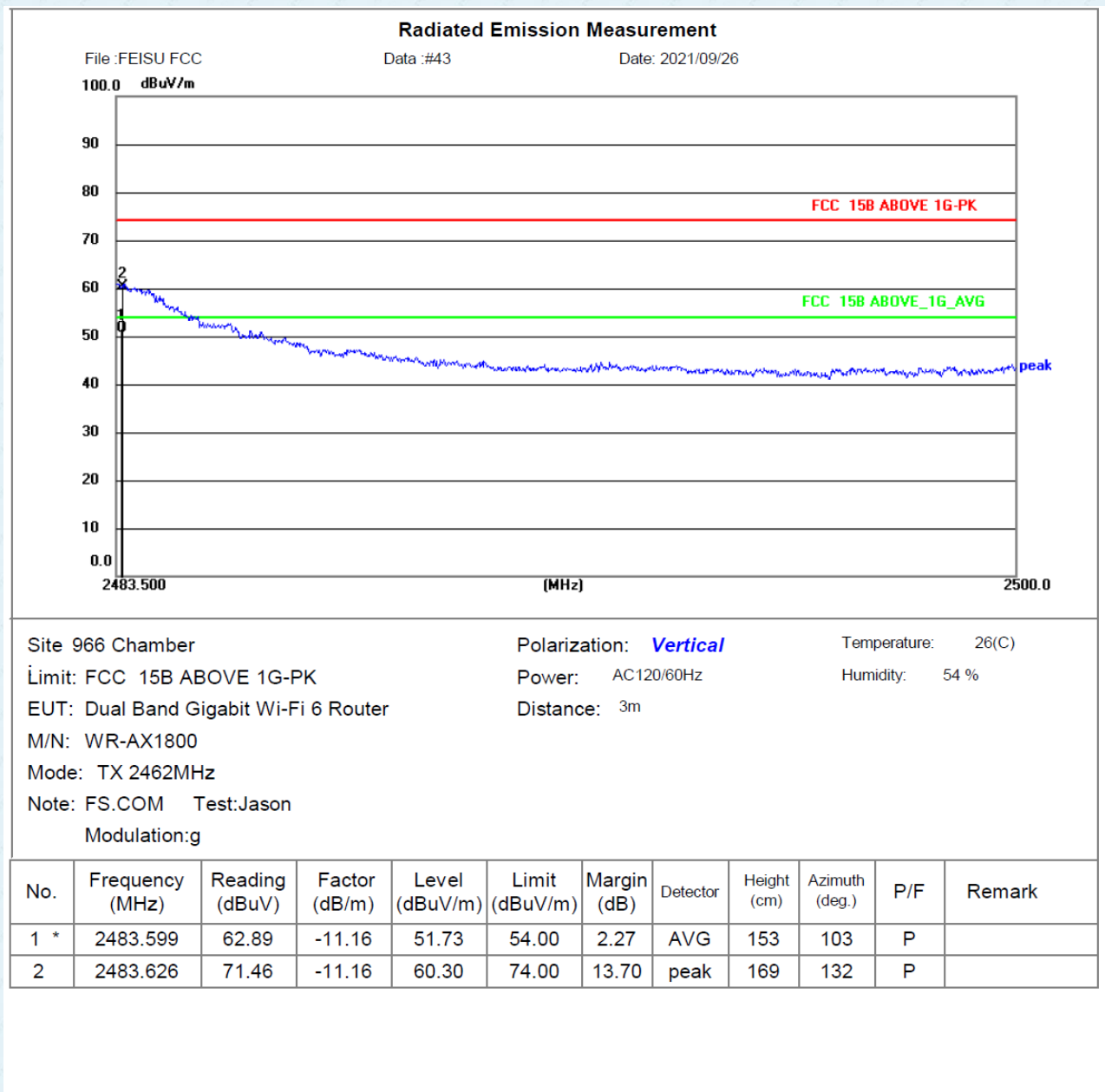
Vertical: 802.11g (TX 2412MHz)



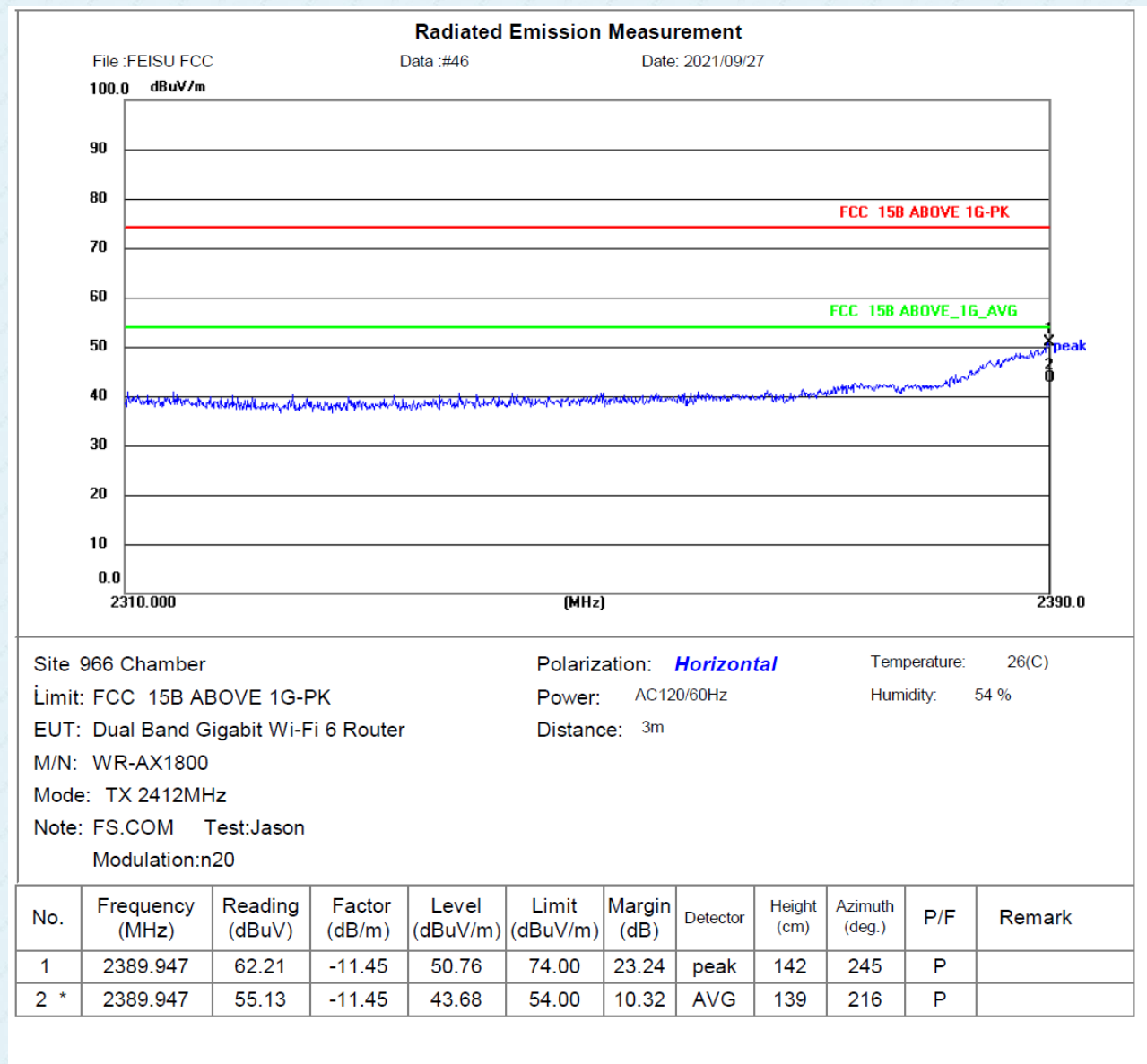
Horizontal: 802.11g (TX 2462MHz)



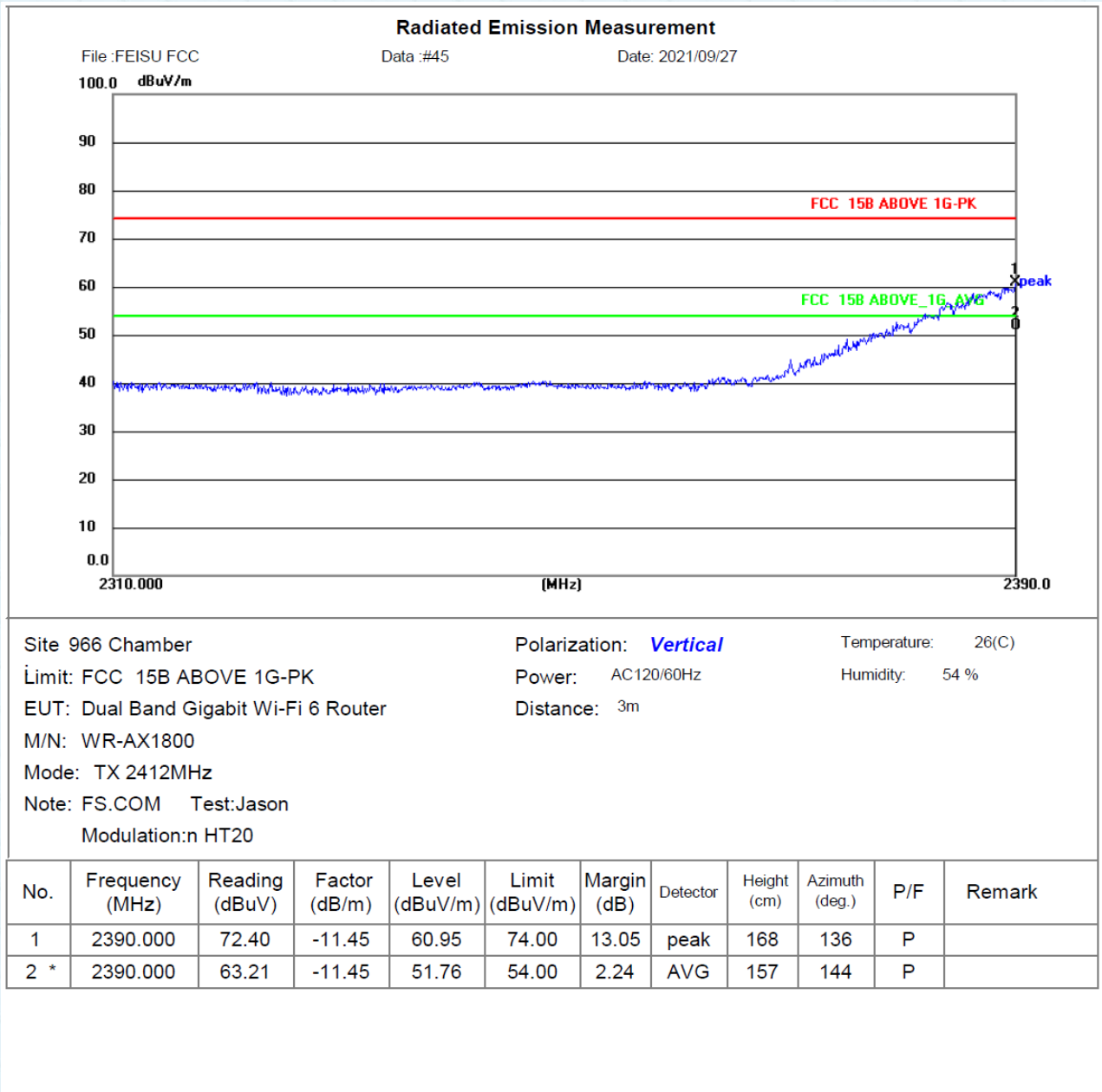
Vertical: 802.11g (TX 2462MHz)



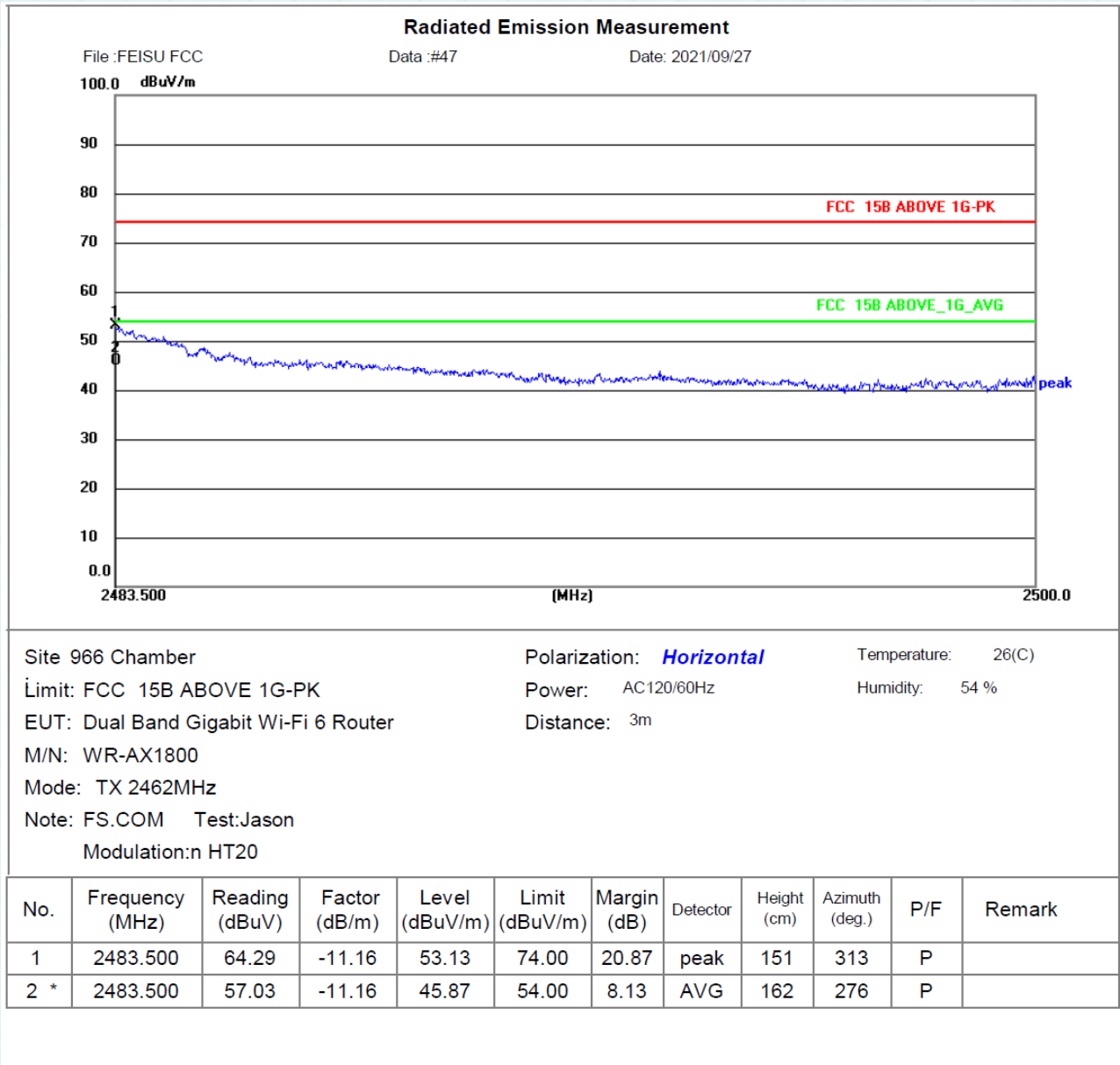
Horizontal: 802.11a HT20 (TX 2412MHz)



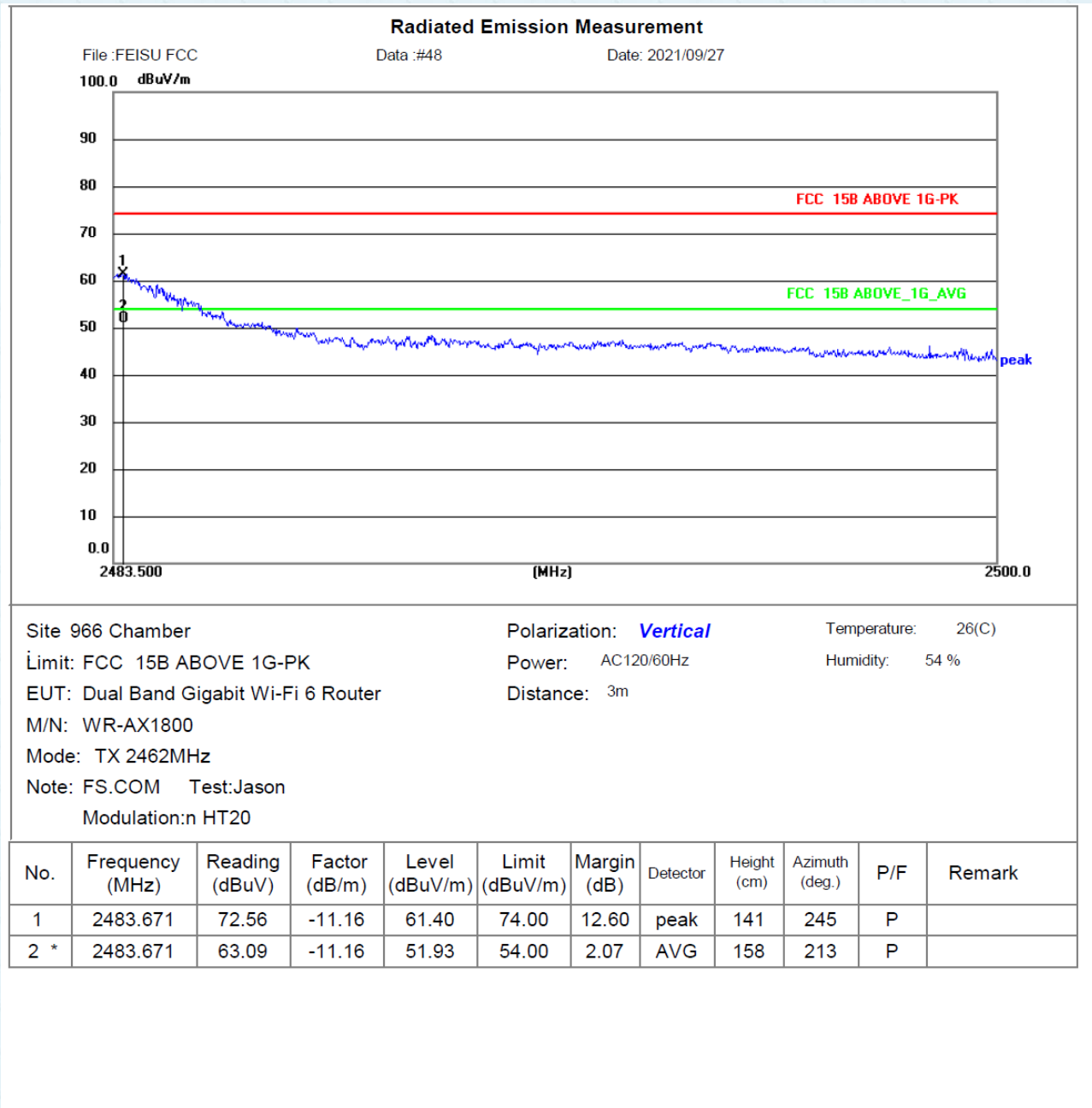
Vertical: 802.11a HT20 (TX 2412MHz)



Horizontal: 802.11a HT20 (TX 2462MHz)



Vertical: 802.11a HT20 (TX 2462MHz)



Horizontal: 802.11n HT40 (TX 2422MHz)

