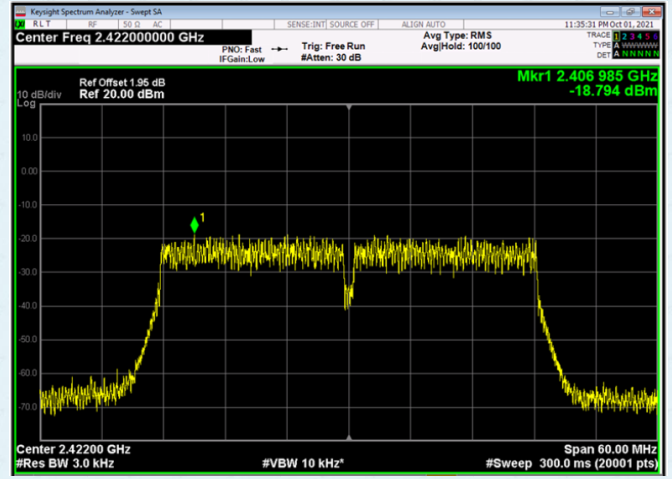
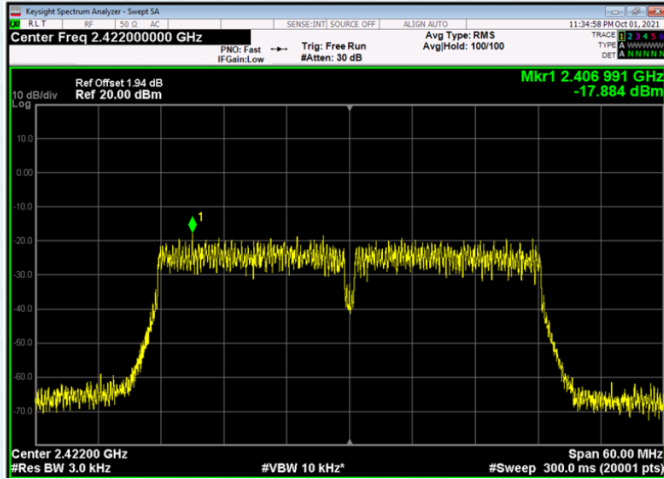
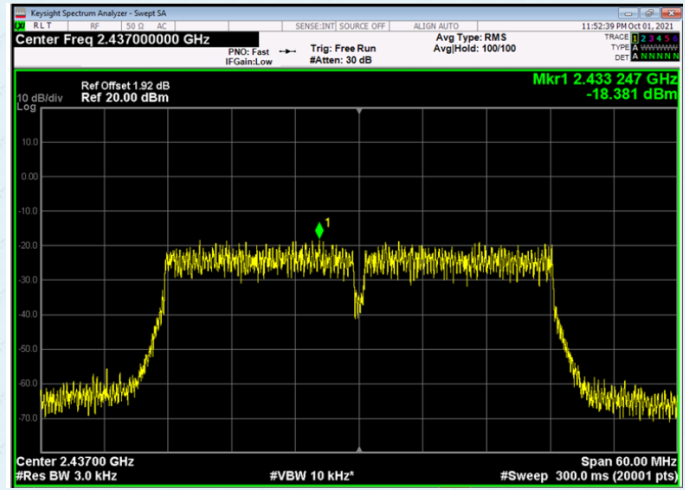
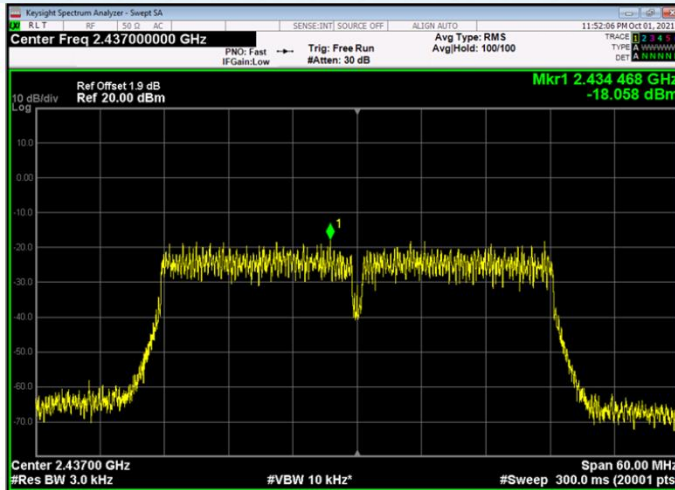


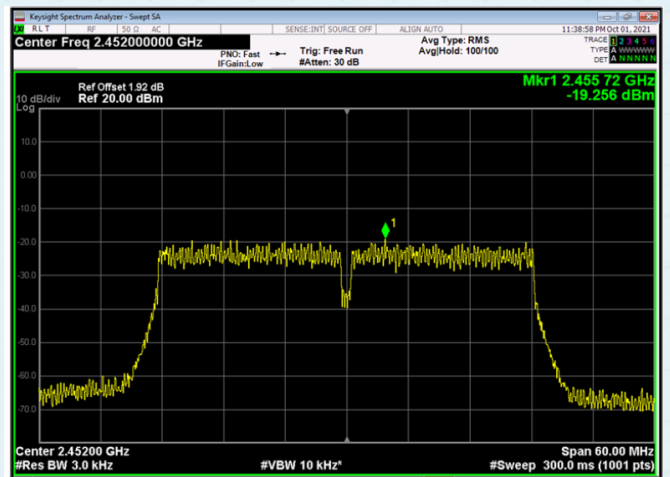
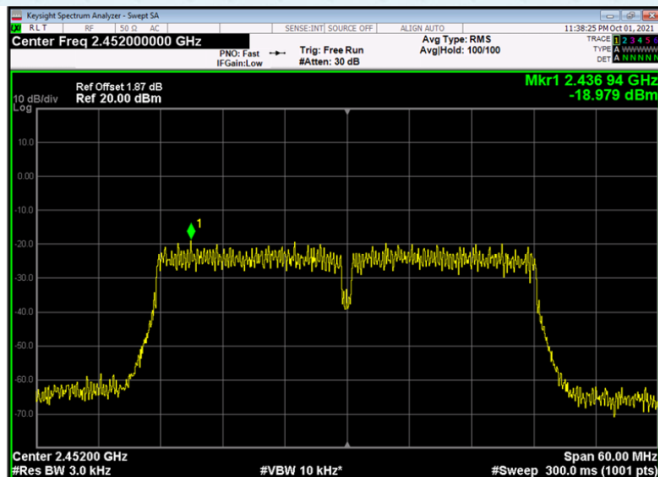
Test mode:	IEEE VHT40 Ant A	Test mode:	IEEE VHT40 (Ant B)
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Lowest channel



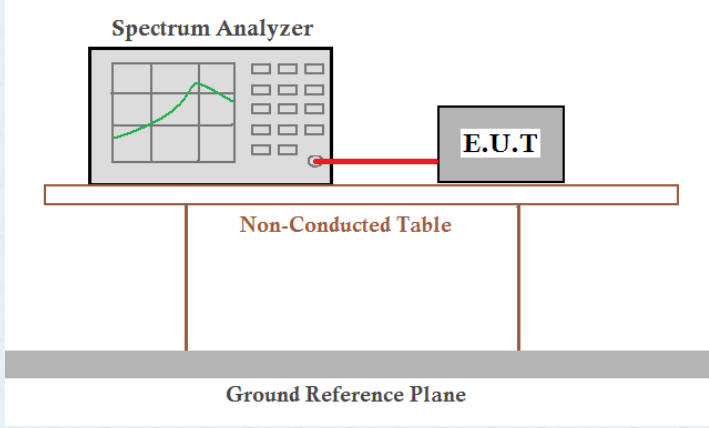
Middle channel



Highest channel

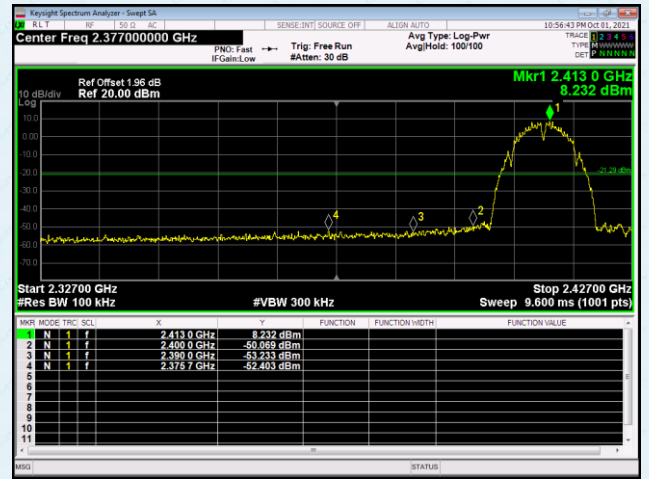
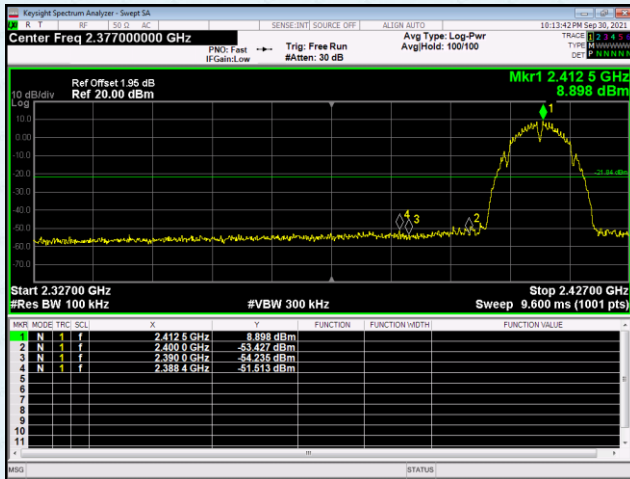
7.6 Band edges

7.6.1 Conducted Emission Method

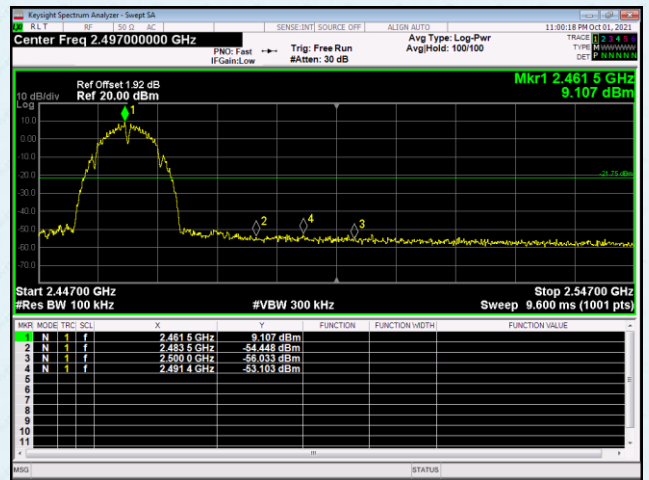
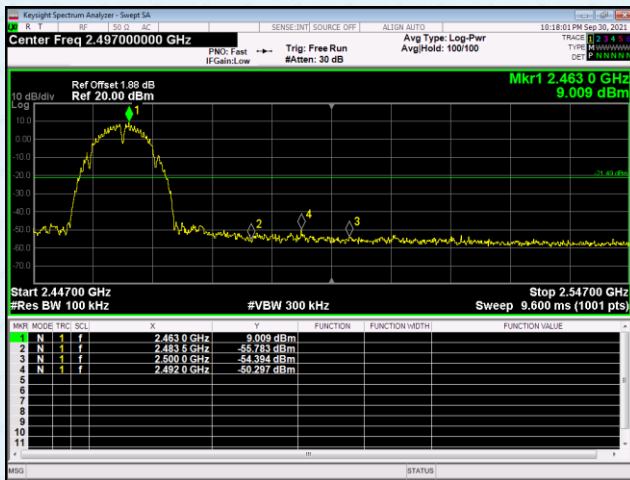
Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	KDB558074 D01 15.247 Meas Guidance v05r02
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall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

Test plot as follows:

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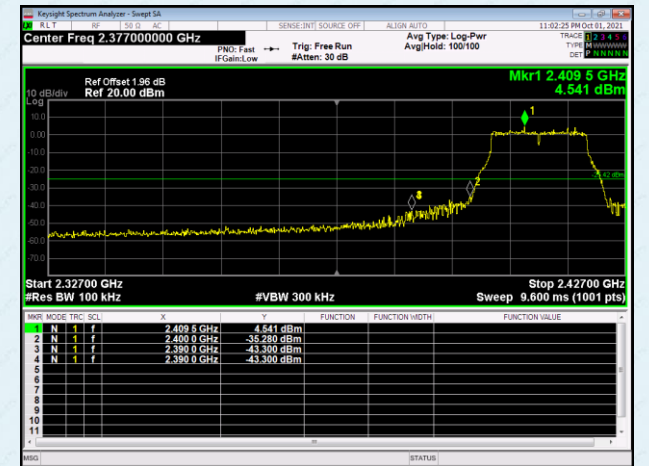
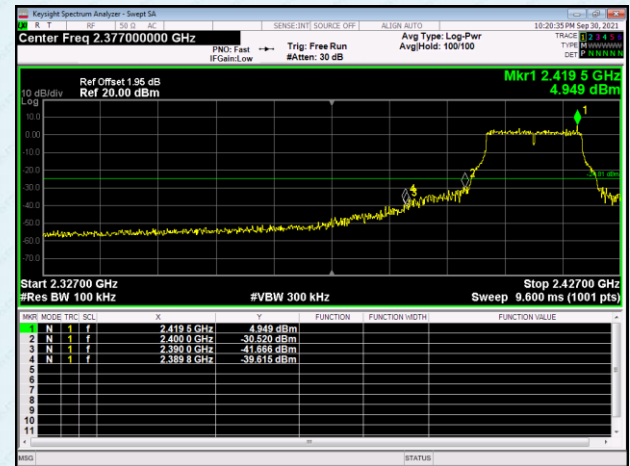


Lowest channel

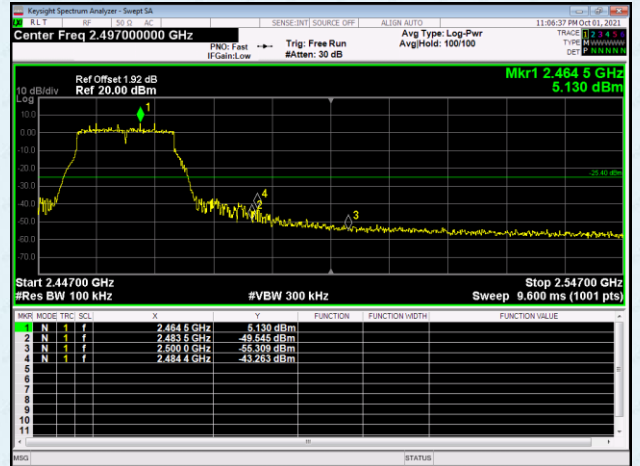


Highest channel

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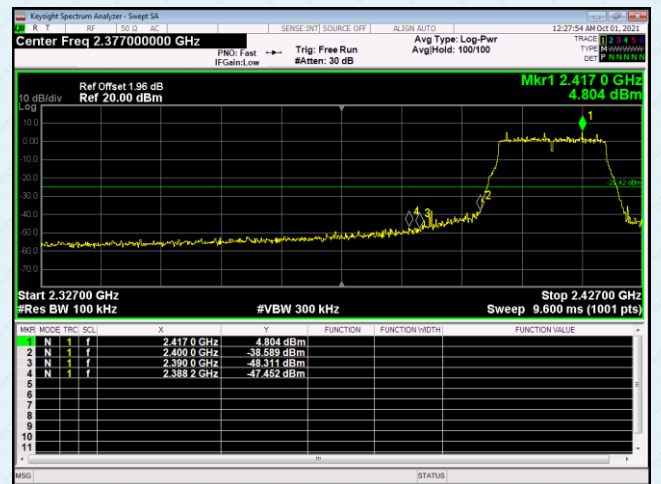
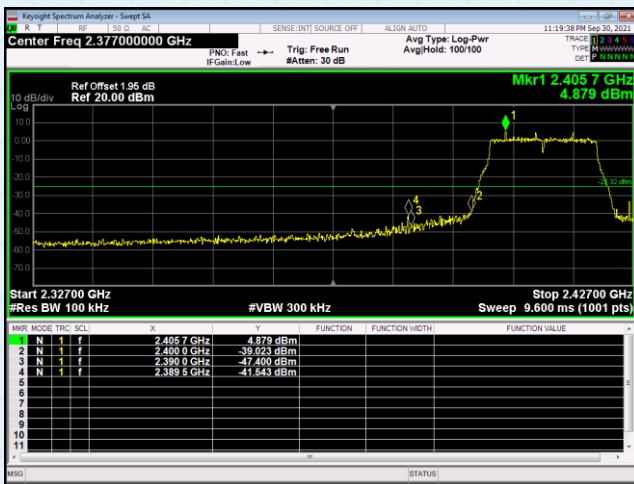


Lowest channel

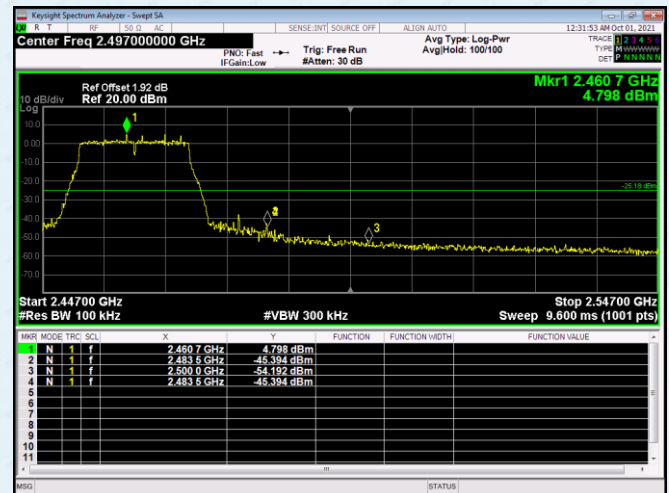


Highest channel

Test mode:	802.11n (HT20) Ant A	Test mode:	802.11n (HT20) (Ant B)
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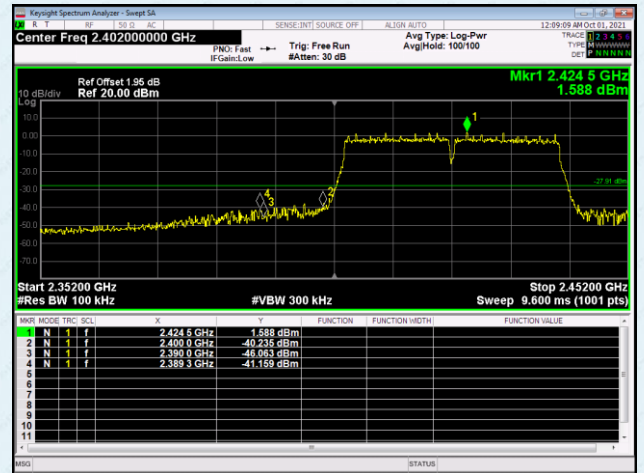
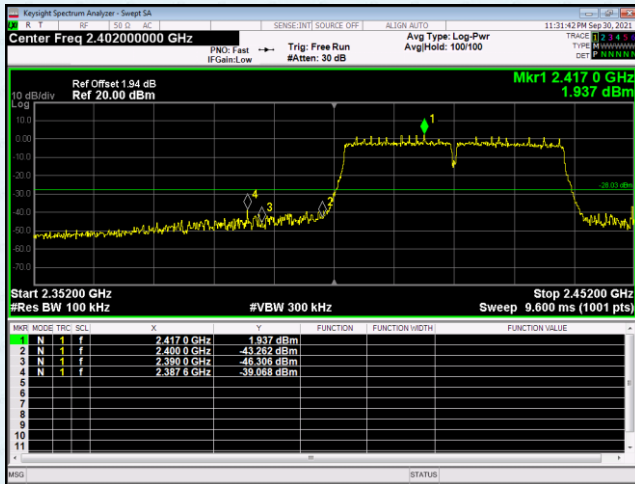


Lowest channel

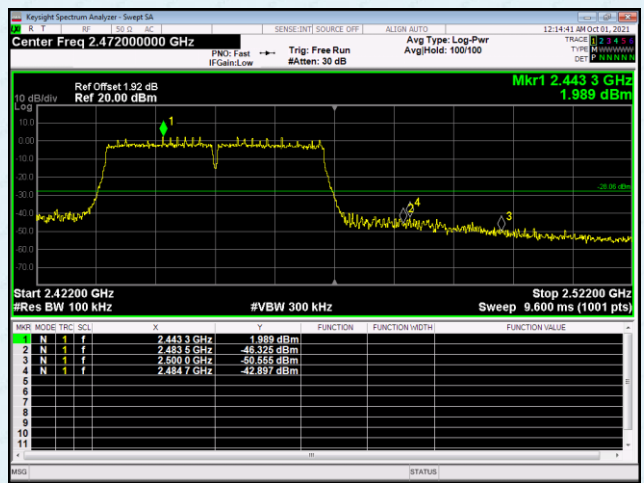
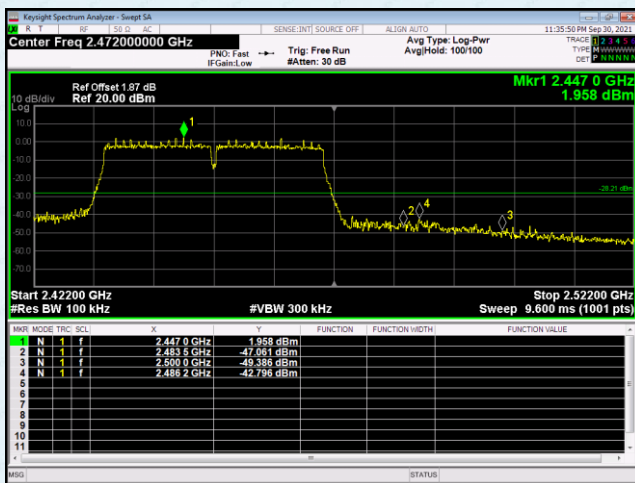


Highest channel

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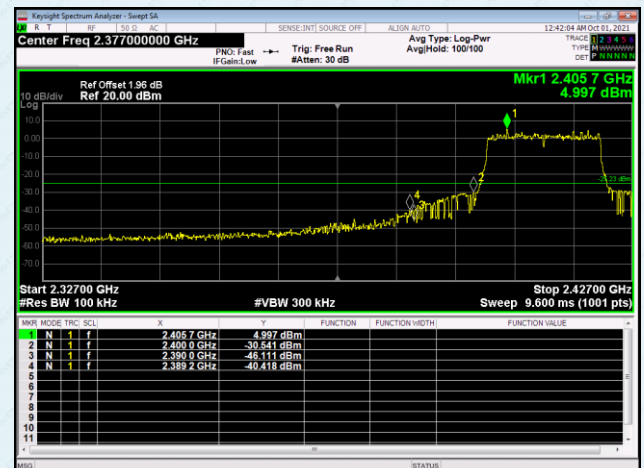
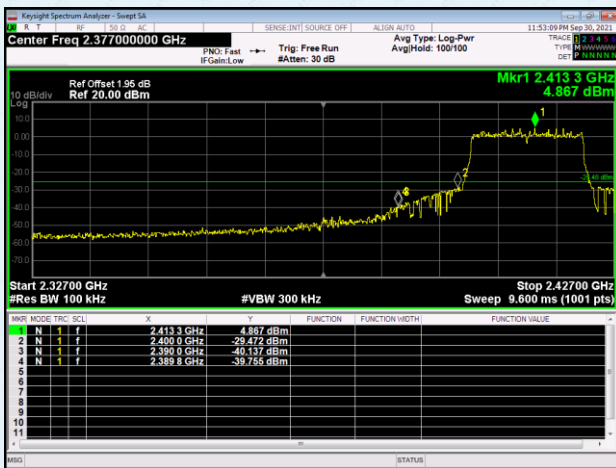


Lowest channel

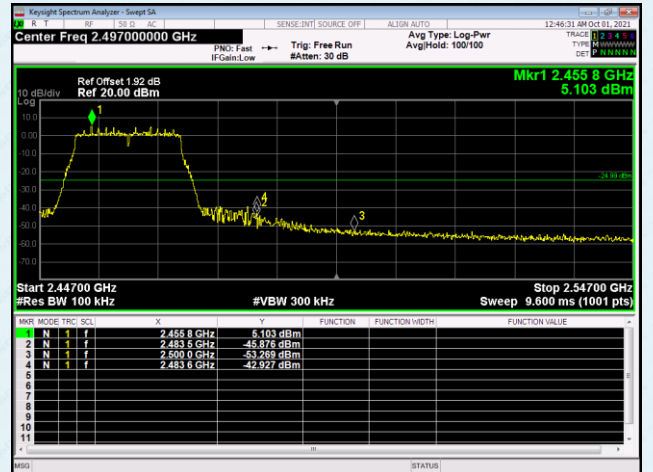


Highest channel

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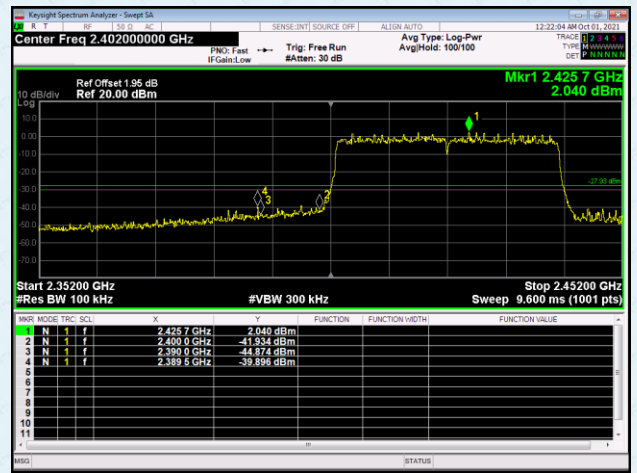
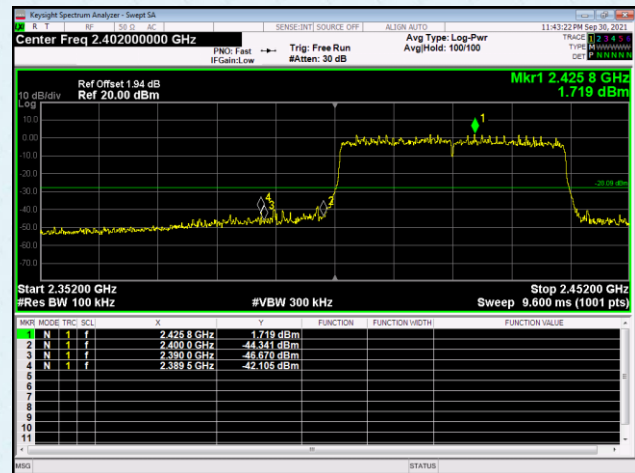


Lowest channel

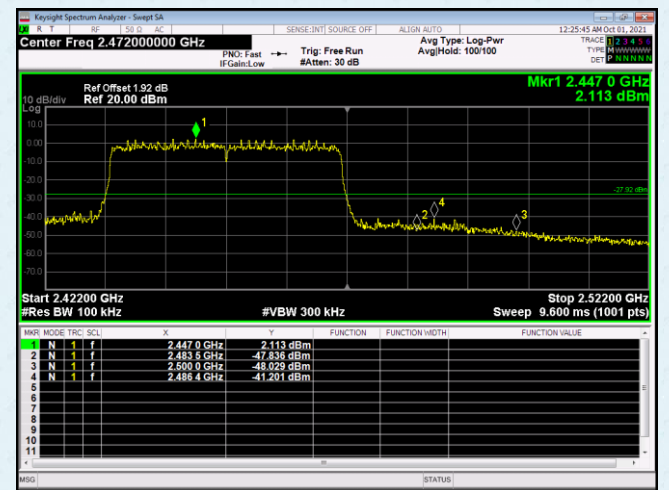
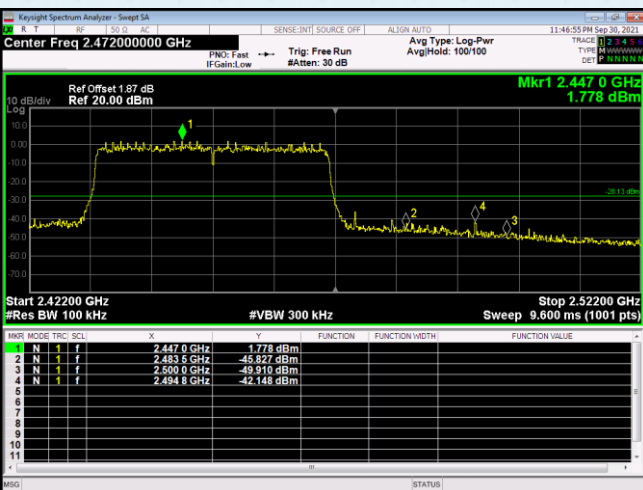


Highest channel

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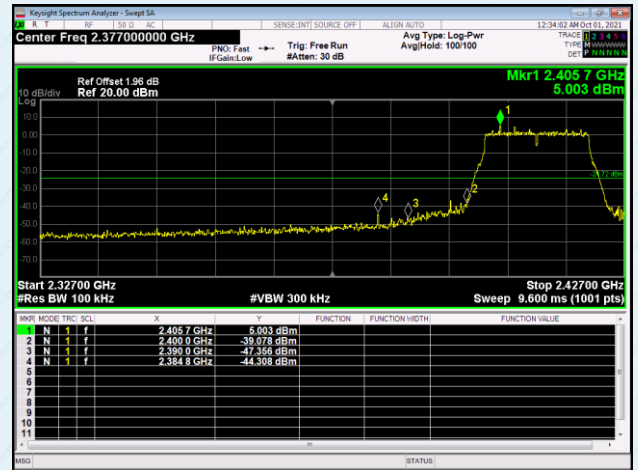
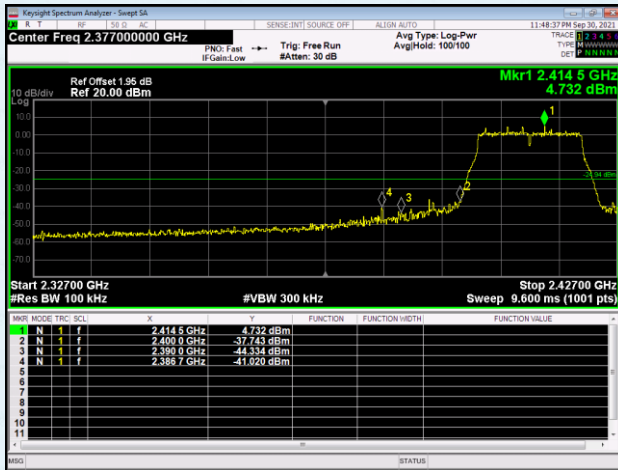


Lowest channel

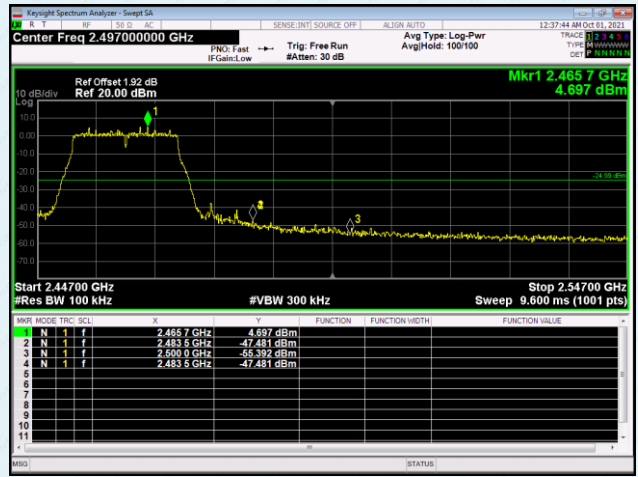
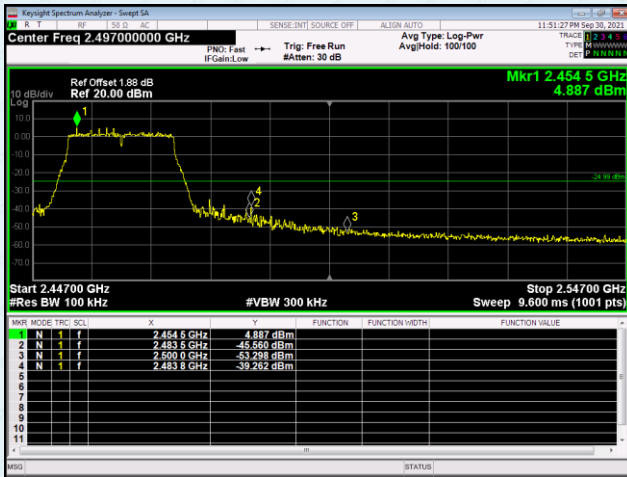


Highest channel

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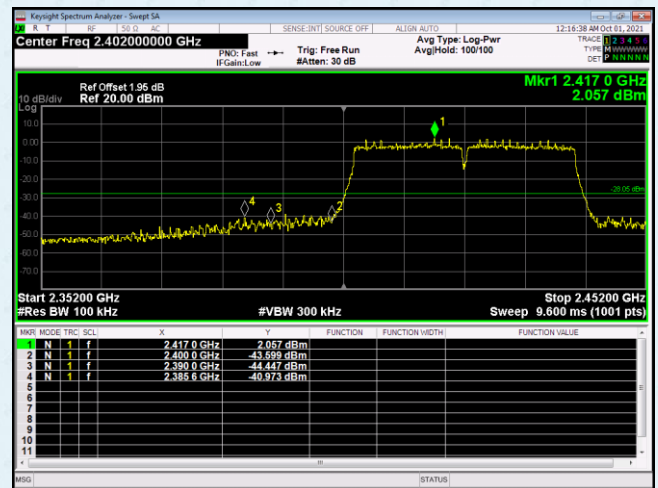
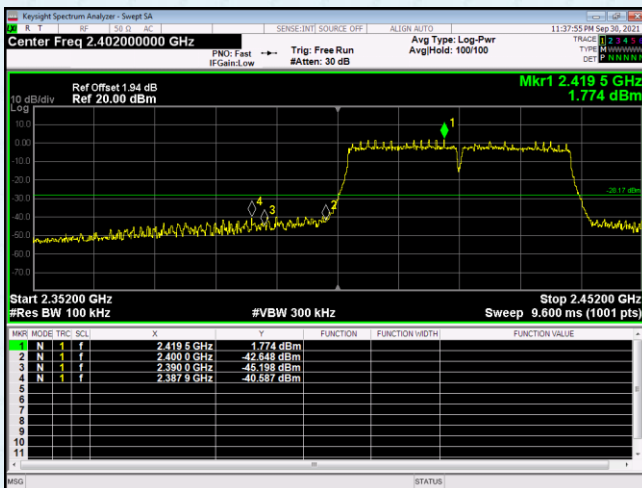


Lowest channel

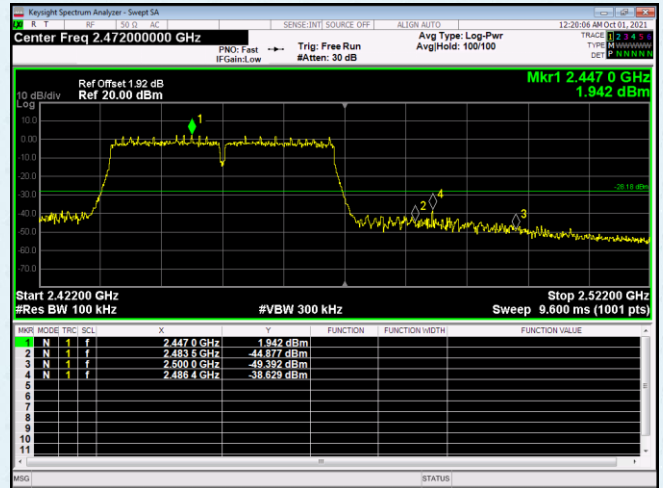
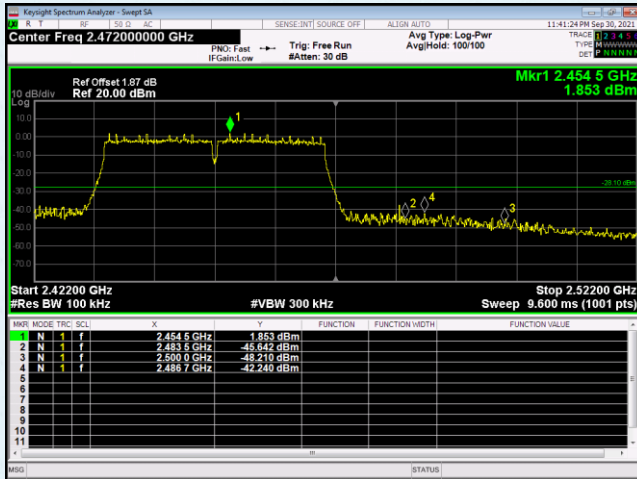


Highest channel

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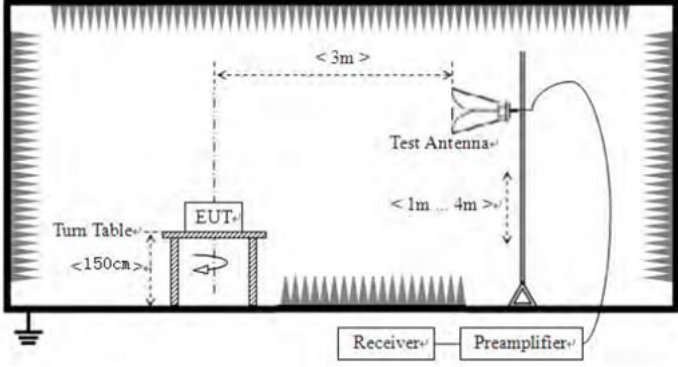


Lowest channel



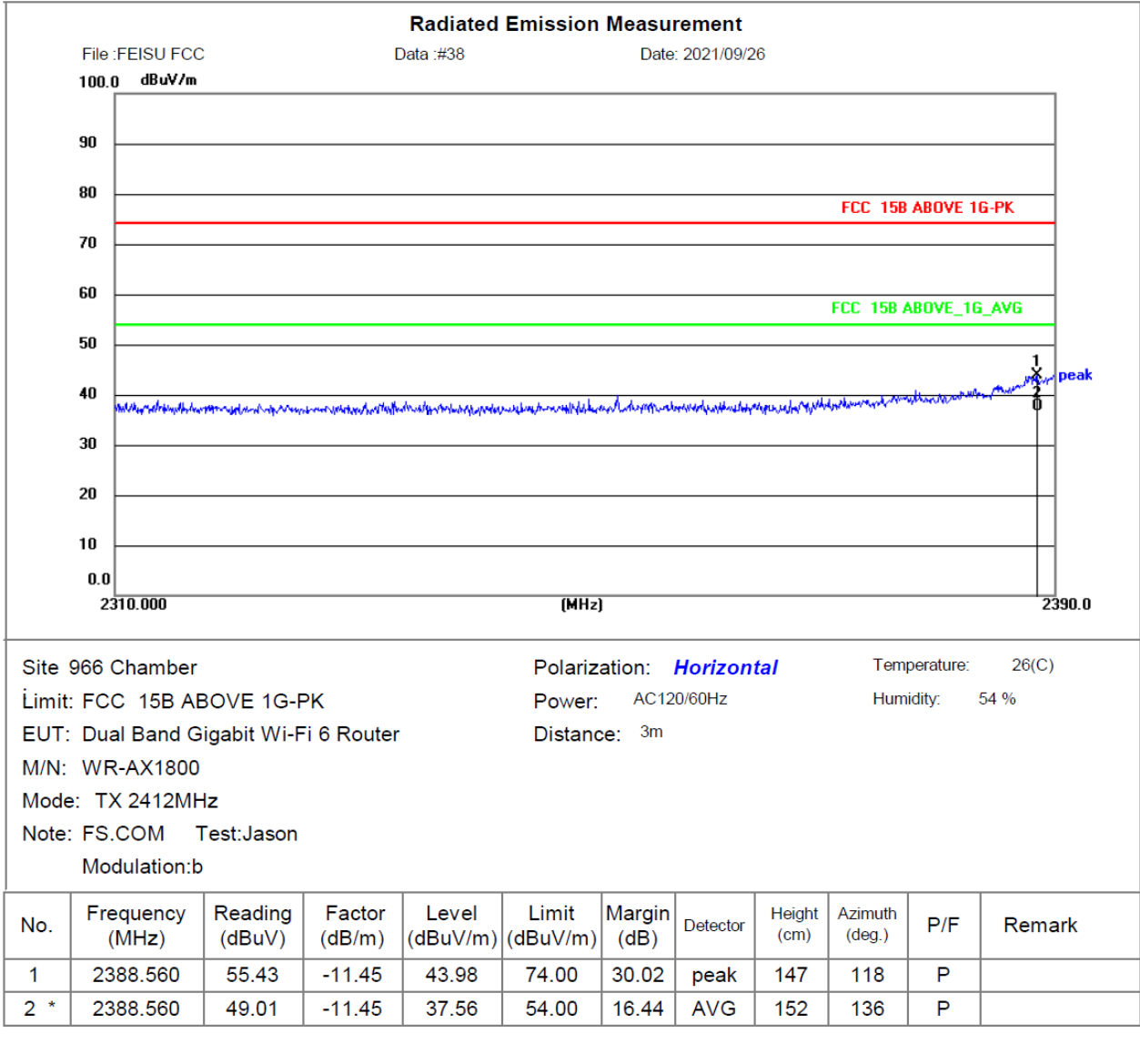
Highest channel

Radiated Emission Method

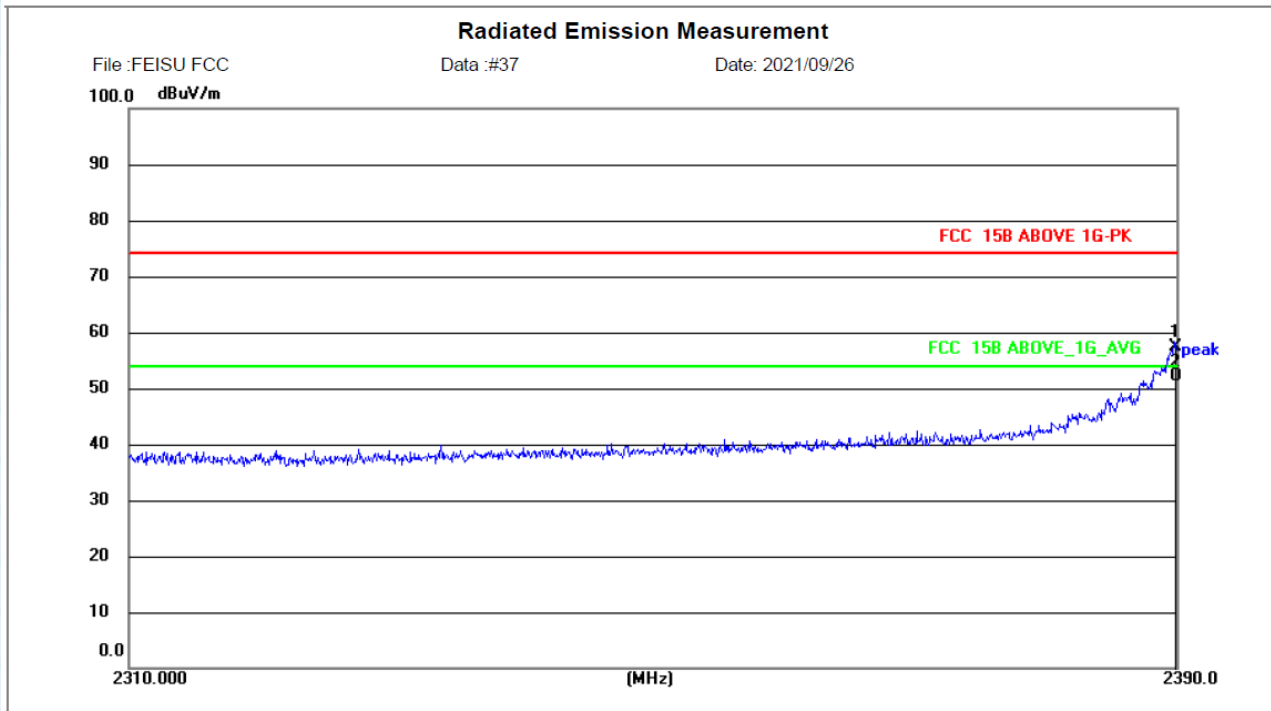
Test Requirement:	FCC Part15 C Section 15.209 and 15.205			
Test Method:	ANSI C63.10: 2013			
Test Frequency Range:	All of the restrict bands were tested, only the worst band's (2310MHz to 2500MHz) data was showed.			
Test site:	Measurement Distance: 3m			
Receiver setup:	Frequency	Detector	RBW	VBW
	Above 1GHz	Peak	1MHz	3MHz
		Average	1MHz	3MHz
Limit:	Frequency	Limit (dBuV/m @3m)		Value
	Above 1GHz	54.00		Average
		74.00		Peak
Test setup:				
Test Procedure:	<ol style="list-style-type: none"> 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)



Site 966 Chamber Polarization: **Vertical** Temperature: 26(C)

Limit: FCC 15B ABOVE 1G-PK Power: AC120/60Hz Humidity: 54 %

EUT: Dual Band Gigabit Wi-Fi 6 Router Distance: 3m

M/N: WR-AX1800

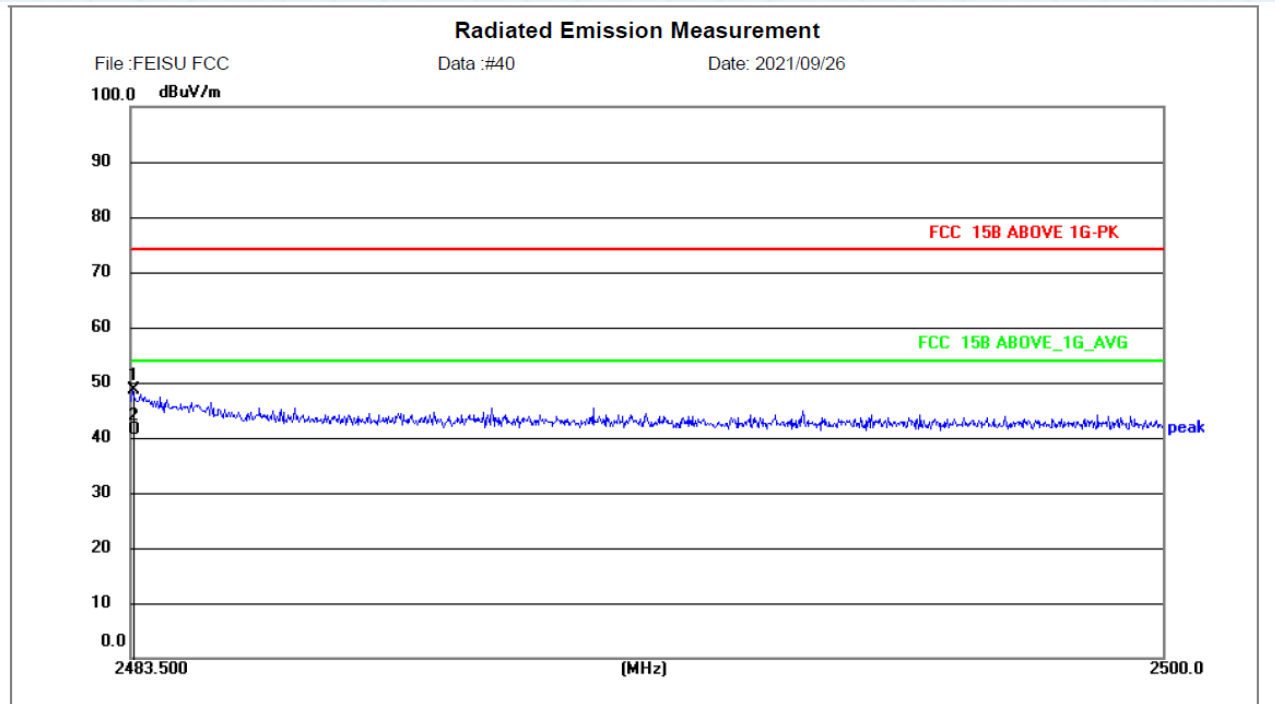
Mode: TX 2412MHz

Note: FS.COM Test:Jason

Modulation:b

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2389.867	68.73	-11.45	57.28	74.00	16.72	peak	154	214	P	
2 *	2389.867	63.57	-11.45	52.12	54.00	1.88	AVG	143	208	P	

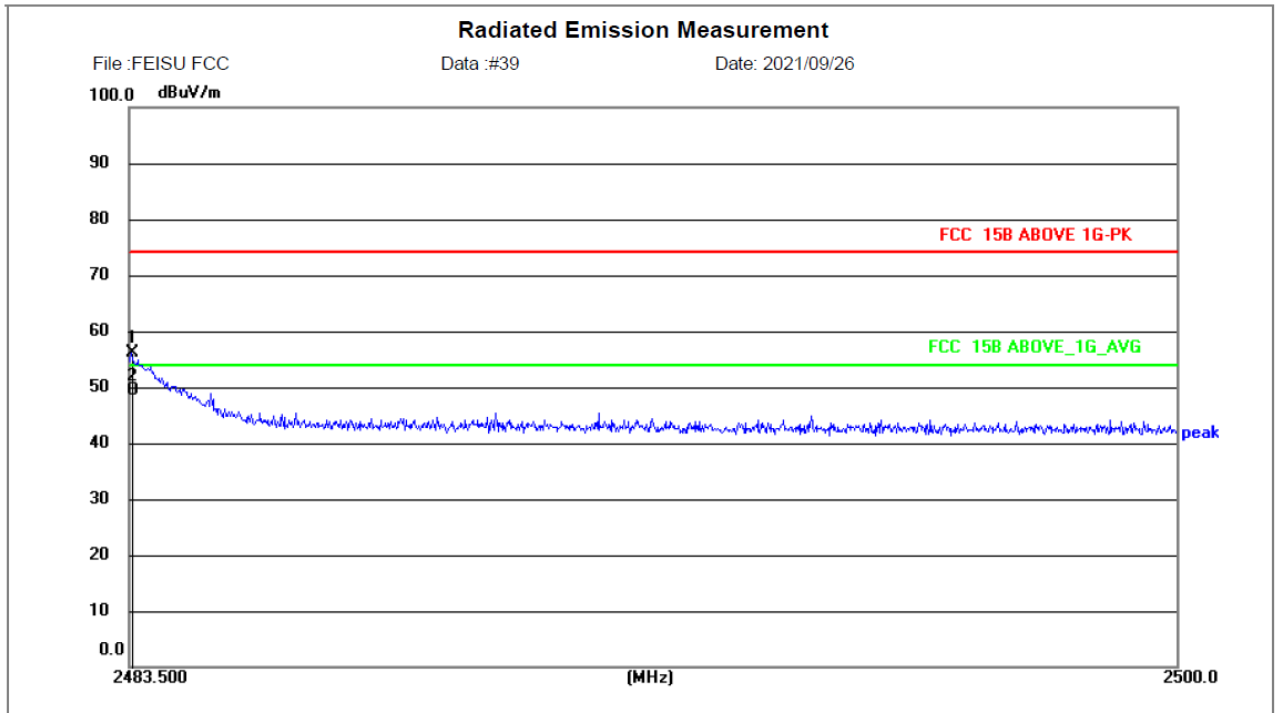
Horizontal: 802.11b (TX 2462MHz)



Site 966 Chamber	Polarization: <i>Horizontal</i>	Temperature: 26(C)
Limit: FCC 15B ABOVE 1G-PK	Power: AC120/60Hz	Humidity: 54 %
EUT: Dual Band Gigabit Wi-Fi 6 Router	Distance: 3m	
M/N: WR-AX1800		
Mode: TX 2462MHz		
Note: FS.COM Test:Jason		
Modulation:b		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.544	59.71	-11.16	48.55	74.00	25.45	peak	173	128	P	
2 *	2483.544	52.46	-11.16	41.30	54.00	12.70	AVG	159	169	P	

Vertical: 802.11b (TX 2462MHz)



Site 966 Chamber Polarization: **Vertical** Temperature: 26(C)

Limit: FCC 15B ABOVE 1G-PK Power: AC120/60Hz Humidity: 54 %

EUT: Dual Band Gigabit Wi-Fi 6 Router Distance: 3m

M/N: WR-AX1800

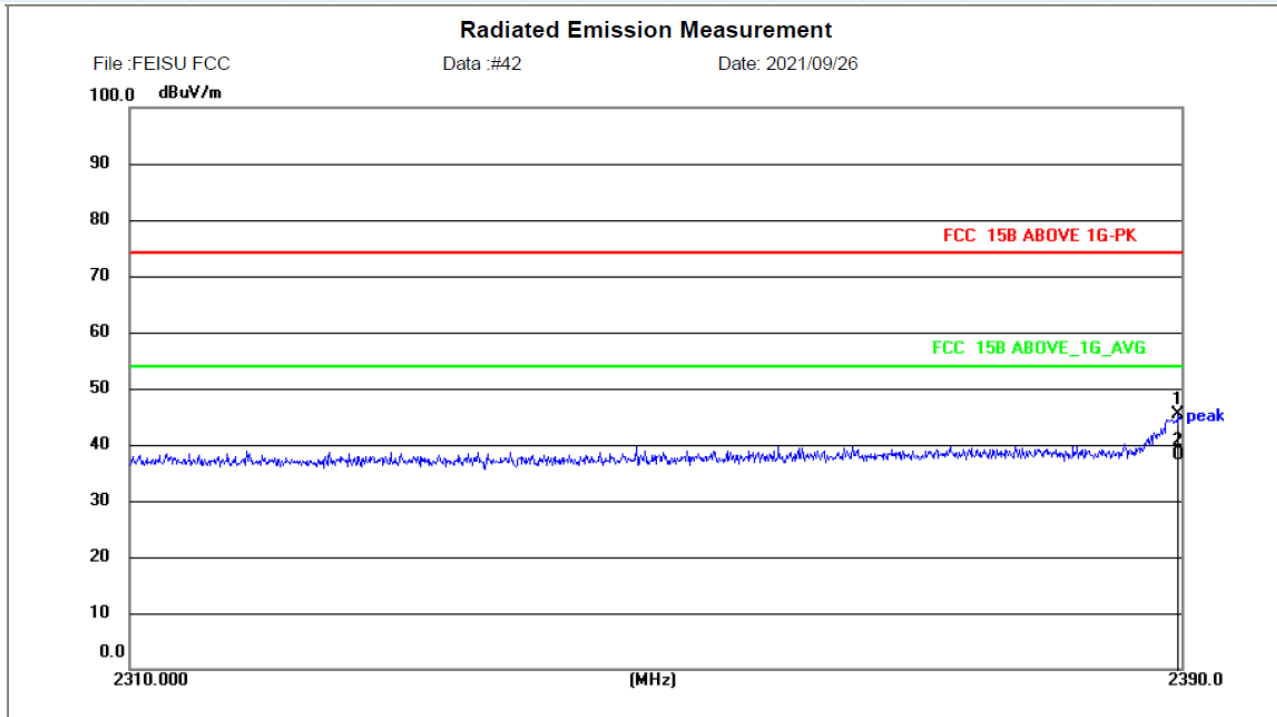
Mode: TX 2462MHz

Note: FS.COM Test:Jason

Modulation:b

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.544	67.21	-11.16	56.05	74.00	17.95	peak	159	332	P	
2 *	2483.544	60.53	-11.16	49.37	54.00	4.63	AVG	148	301	P	

Horizontal: 802.11g (TX 2412MHz)



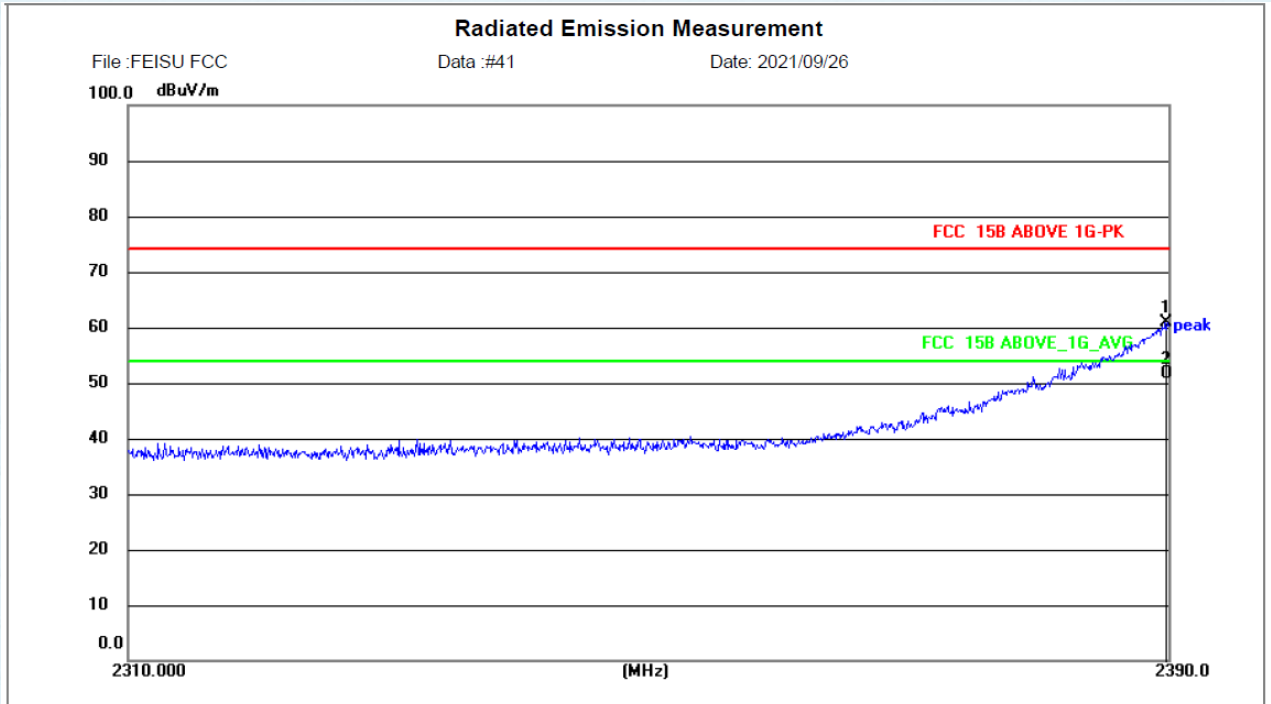
Site: 966 Chamber
 Limit: FCC 15B ABOVE 1G-PK
 EUT: Dual Band Gigabit Wi-Fi 6 Router
 M/N: WR-AX1800
 Mode: TX 2412MHz
 Note: FS.COM Test:Jason
 Modulation:g

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

Temperature: 26(C)
 Humidity: 54 %

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2389.760	56.94	-11.45	45.49	74.00	28.51	peak	157	138	P	
2 *	2389.760	49.65	-11.45	38.20	54.00	15.80	AVG	162	176	P	

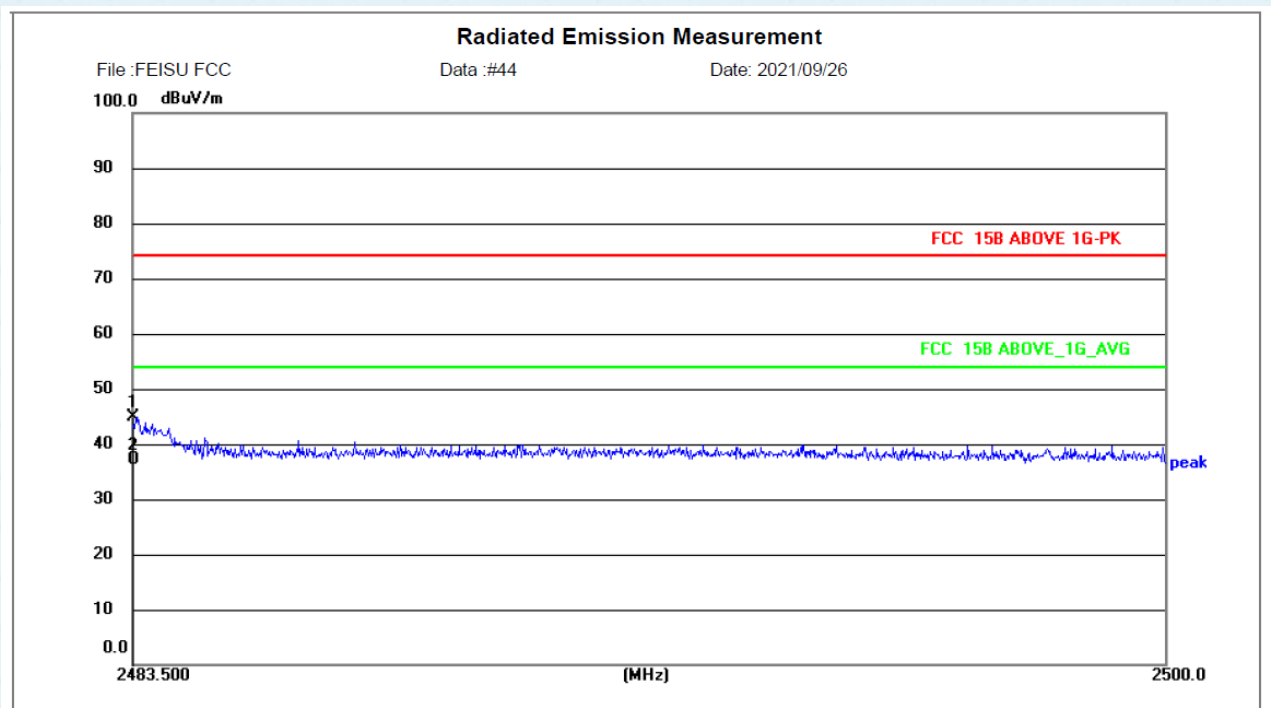
Vertical: 802.11g (TX 2412MHz)



Site 966 Chamber	Polarization: Vertical	Temperature: 26(C)
Limit: FCC 15B ABOVE 1G-PK	Power: AC120/60Hz	Humidity: 54 %
EUT: Dual Band Gigabit Wi-Fi 6 Router	Distance: 3m	
M/N: WR-AX1800		
Mode: TX 2412MHz		
Note: FS.COM Test:Jason		
Modulation:g		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2389.787	72.33	-11.45	60.88	74.00	13.12	peak	163	142	P	
2 *	2389.787	63.08	-11.45	51.63	54.00	2.37	AVG	158	139	P	

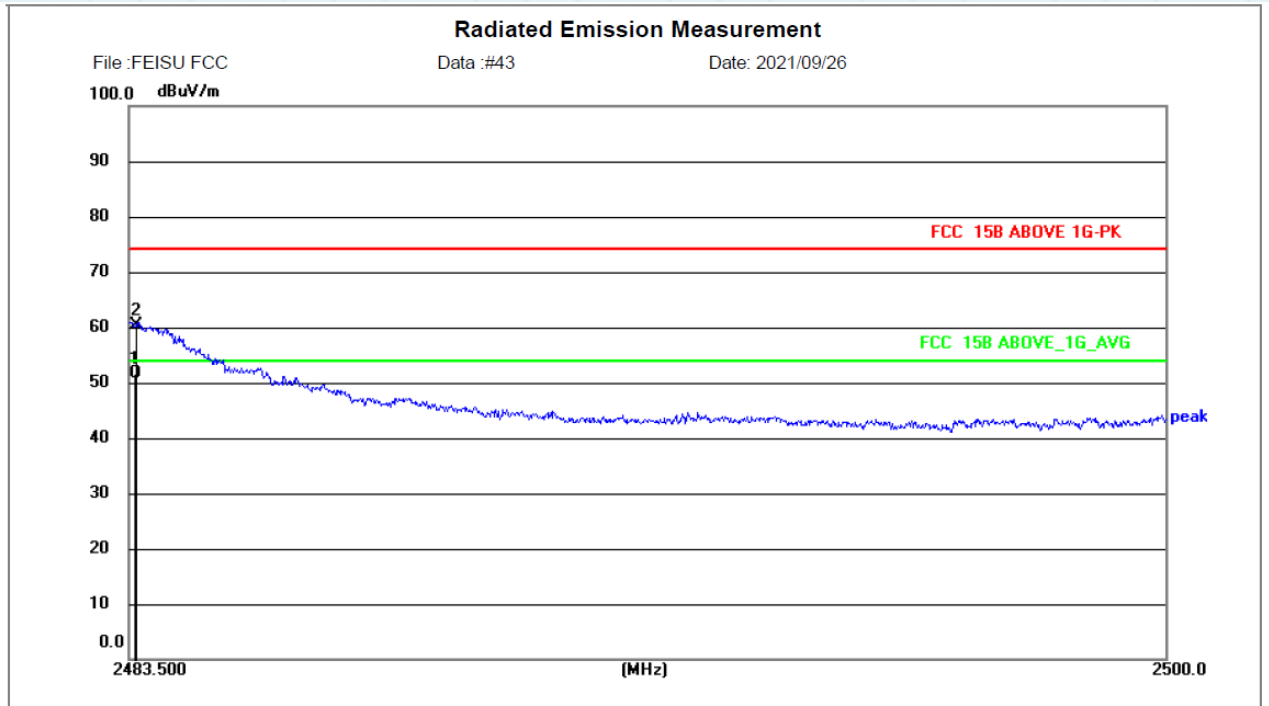
Horizontal: 802.11g (TX 2462MHz)



Site 966 Chamber	Polarization: Horizontal	Temperature: 26(C)
Limit: FCC 15B ABOVE 1G-PK	Power: AC120/60Hz	Humidity: 54 %
EUT: Dual Band Gigabit Wi-Fi 6 Router	Distance: 3m	
M/N: WR-AX1800		
Mode: TX 2462MHz		
Note: FS.COM Test:Jason		
Modulation:g		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.511	55.98	-11.16	44.82	74.00	29.18	peak	153	332	P	
2 *	2483.511	48.33	-11.16	37.17	54.00	16.83	AVG	146	314	P	

Vertical: 802.11g (TX 2462MHz)



Site 966 Chamber Polarization: **Vertical** Temperature: 26(C)

Limit: FCC 15B ABOVE 1G-PK Power: AC120/60Hz Humidity: 54 %

EUT: Dual Band Gigabit Wi-Fi 6 Router Distance: 3m

M/N: WR-AX1800

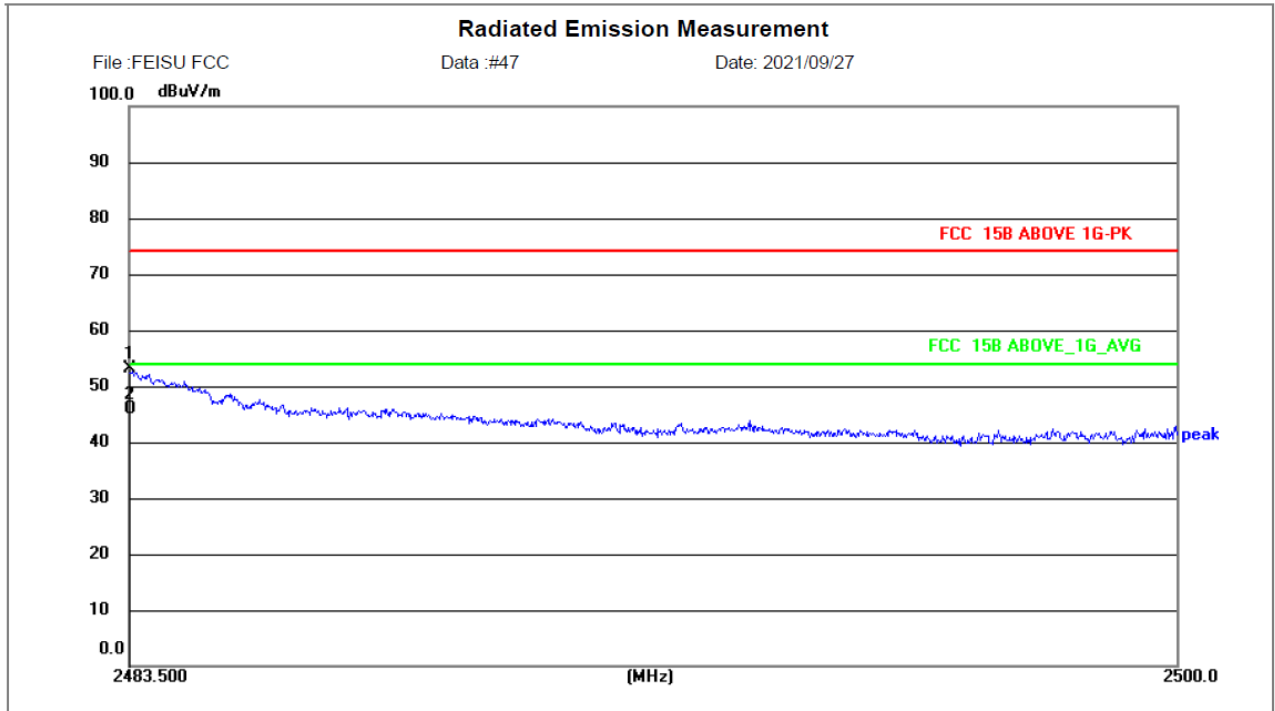
Mode: TX 2462MHz

Note: FS.COM Test:Jason

Modulation:g

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2483.599	62.89	-11.16	51.73	54.00	2.27	AVG	153	103	P	
2	2483.626	71.46	-11.16	60.30	74.00	13.70	peak	169	132	P	

Horizontal: 802.11a HT20 (TX 2462MHz)



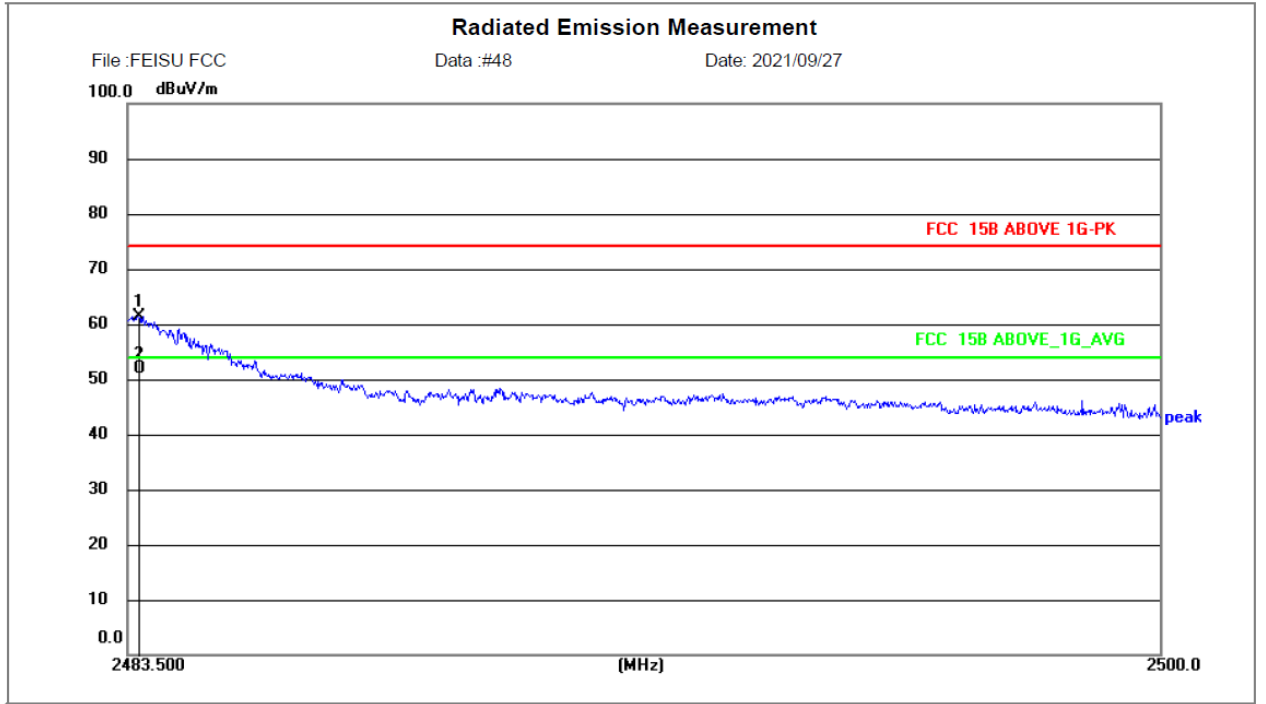
Site: 966 Chamber
 Limit: FCC 15B ABOVE 1G-PK
 EUT: Dual Band Gigabit Wi-Fi 6 Router
 M/N: WR-AX1800
 Mode: TX 2462MHz
 Note: FS.COM Test: Jason
 Modulation: n HT20

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

Temperature: 26(C)
 Humidity: 54 %

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.500	64.29	-11.16	53.13	74.00	20.87	peak	151	313	P	
2 *	2483.500	57.03	-11.16	45.87	54.00	8.13	AVG	162	276	P	

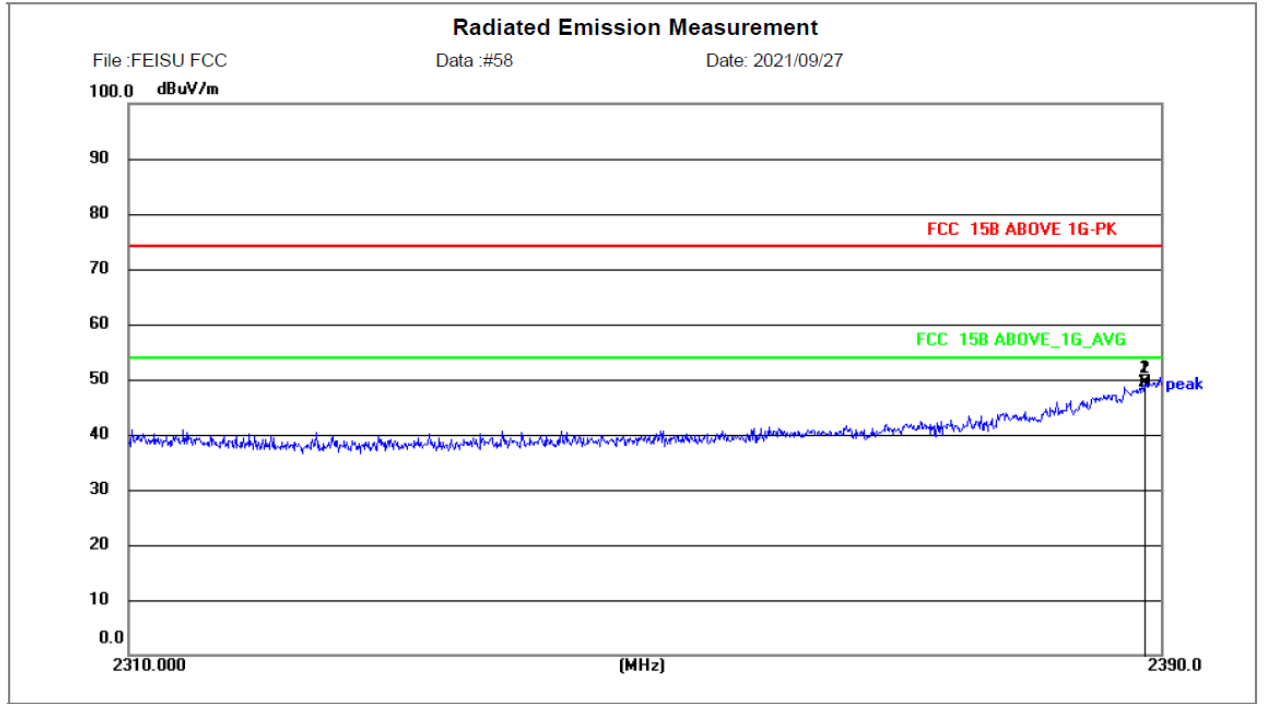
Vertical: 802.11a HT20 (TX 2462MHz)



Site 966 Chamber	Polarization: Vertical	Temperature: 26(C)
Limit: FCC 15B ABOVE 1G-PK	Power: AC120/60Hz	Humidity: 54 %
EUT: Dual Band Gigabit Wi-Fi 6 Router	Distance: 3m	
M/N: WR-AX1800		
Mode: TX 2462MHz		
Note: FS.COM Test:Jason		
Modulation:n HT20		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.671	72.56	-11.16	61.40	74.00	12.60	peak	141	245	P	
2 *	2483.671	63.09	-11.16	51.93	54.00	2.07	AVG	158	213	P	

Horizontal: 802.11n HT40 (TX 2422MHz)



Site 966 Chamber	Polarization: Horizontal	Temperature: 26(C)
Limit: FCC 15B ABOVE 1G-PK	Power: AC120/60Hz	Humidity: 54 %
EUT: Dual Band Gigabit Wi-Fi 6 Router	Distance: 3m	
M/N: WR-AX1800		
Mode: TX 2422MHz		
Note: FS.COM Test:Jason		
Modulation:n HT40		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2388.800	60.93	-11.45	49.48	74.00	24.52	peak	149	156	P	
2 *	2388.800	60.93	-11.45	49.48	54.00	4.52	AVG	137	185	P	