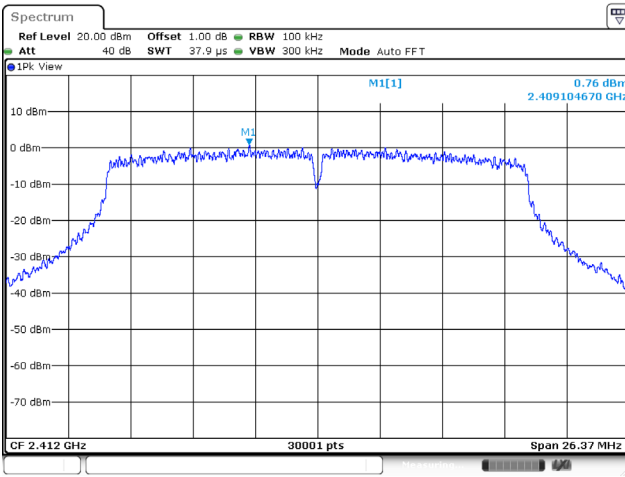
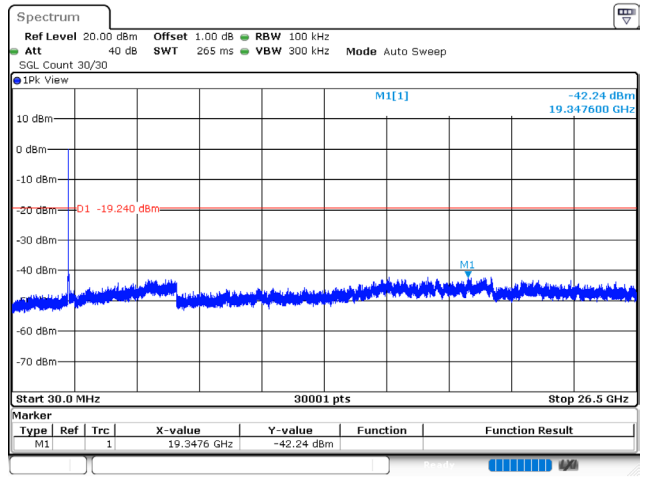


802.11n (20 MHz) / 2412 MHz / Ant. 1

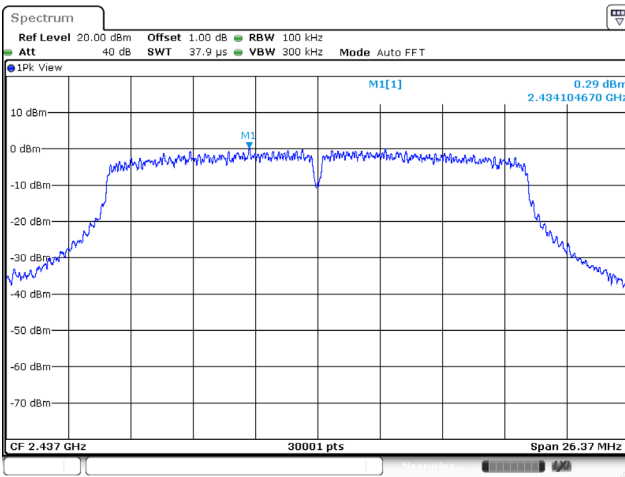


Date: 9 JUN.2022 14:20:27

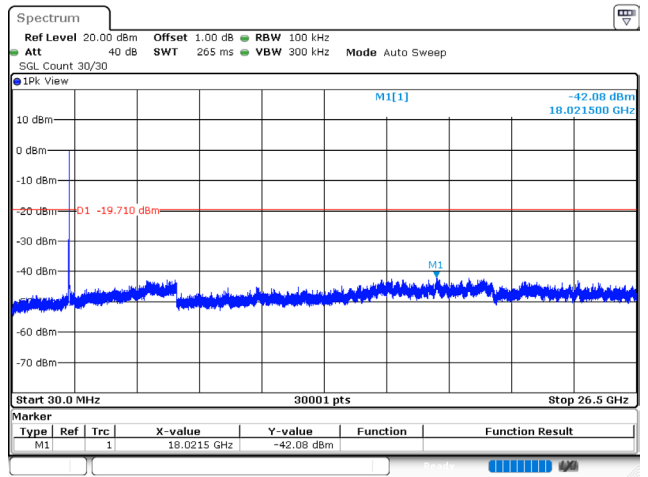


Date: 9 JUN.2022 14:21:19

802.11n (20 MHz) / 2437 MHz / Ant. 1

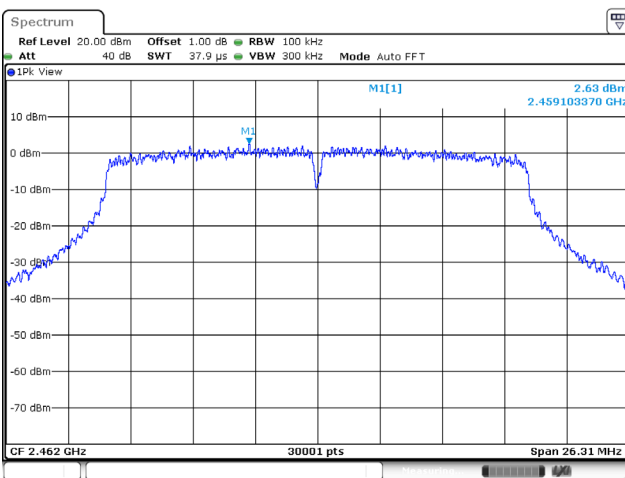


Date: 9 JUN.2022 14:24:10

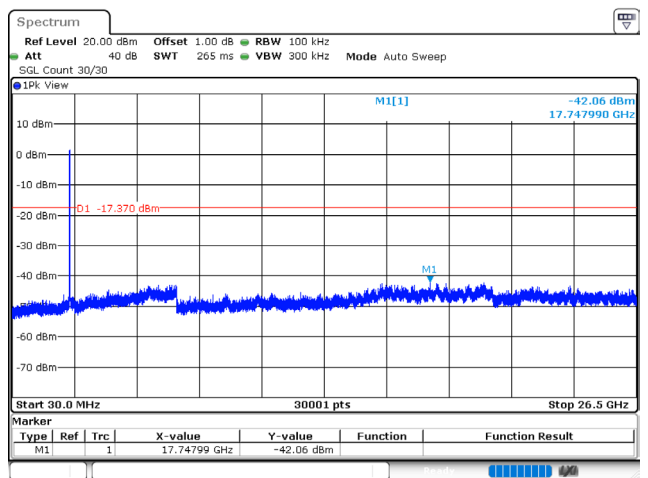


Date: 9 JUN.2022 14:24:41

802.11n (20 MHz) / 2462 MHz / Ant. 1

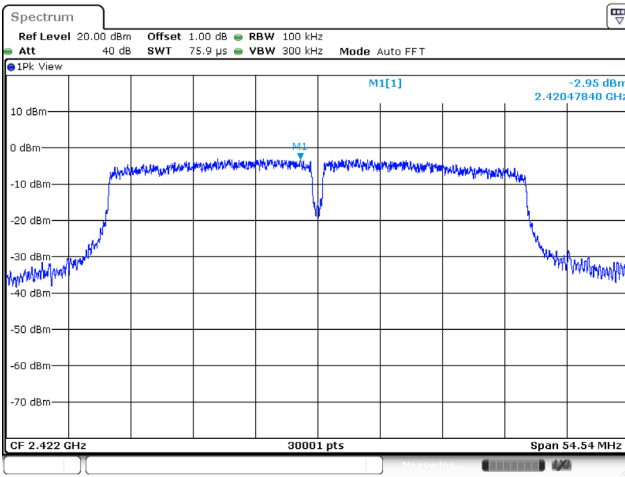


Date: 9 JUN.2022 14:38:34

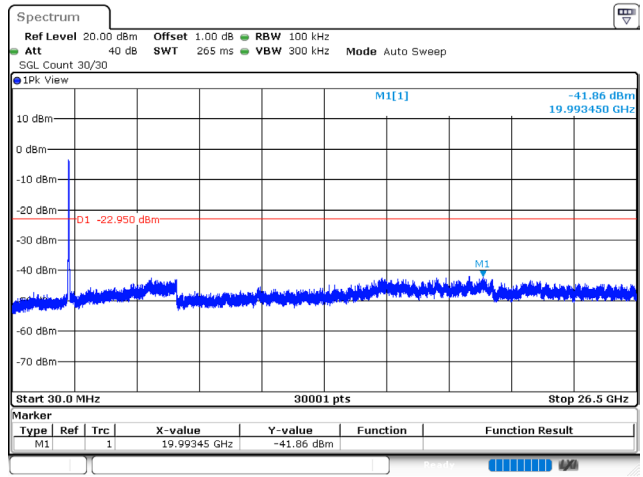


Date: 9 JUN.2022 14:39:26

802.11n (40 MHz) / 2422 MHz / Ant. 0

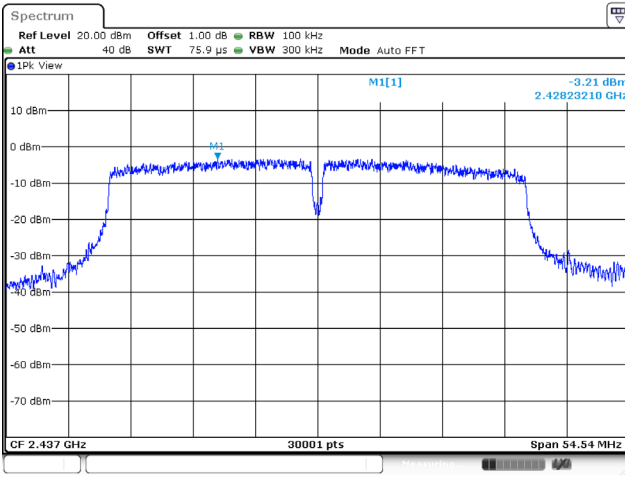


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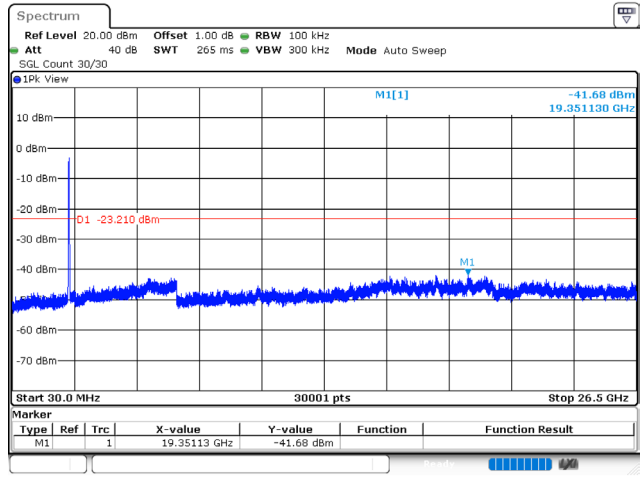


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802.11n (40 MHz) / 2437 MHz / Ant. 0

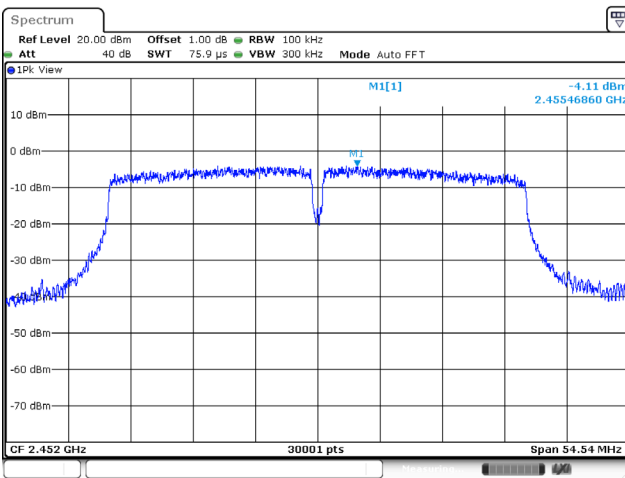


Date: 9 JUN.2022 14:55:24

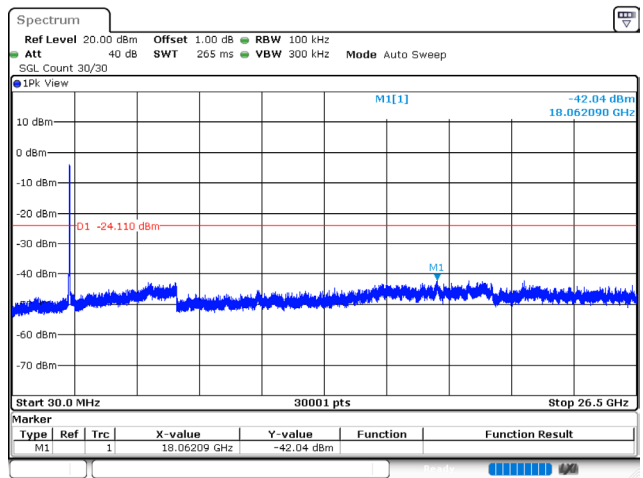


Date: 9 JUN.2022 14:55:55

802.11n (40 MHz) / 2452 MHz / Ant. 0

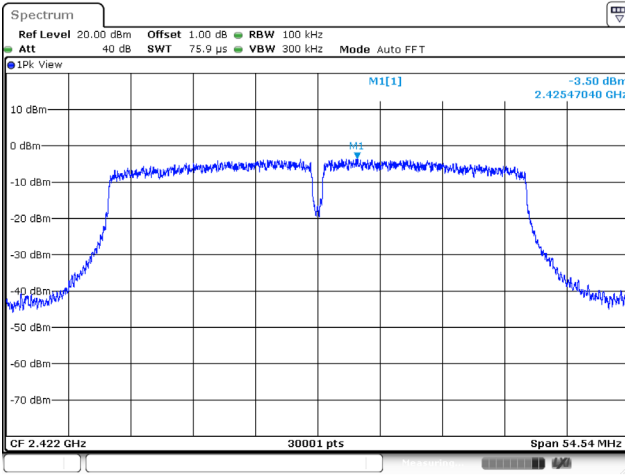


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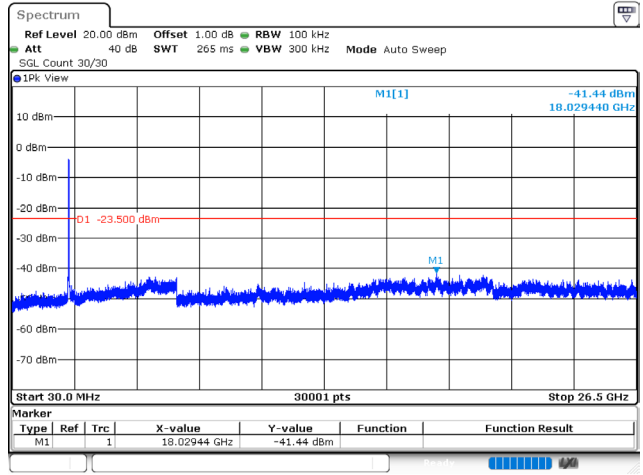


Date: 9 JUN.2022 15:13:13

802.11n (40 MHz) / 2422 MHz / Ant. 1

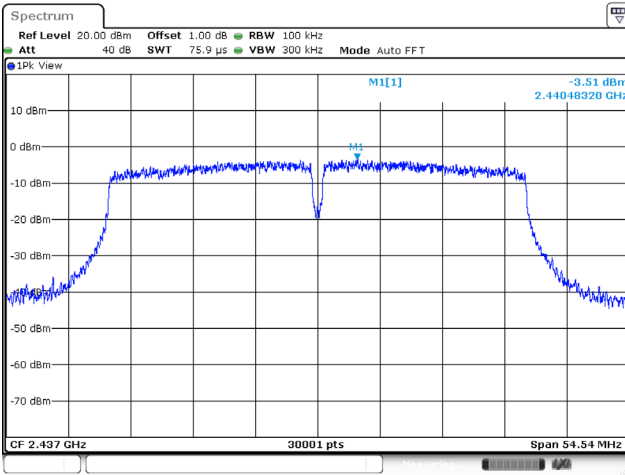


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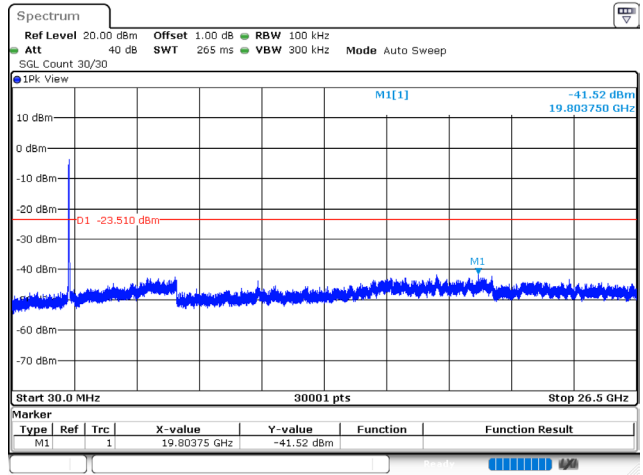


Date: 9 JUN.2022 14:45:07

802.11n (40 MHz) / 2437 MHz / Ant. 1

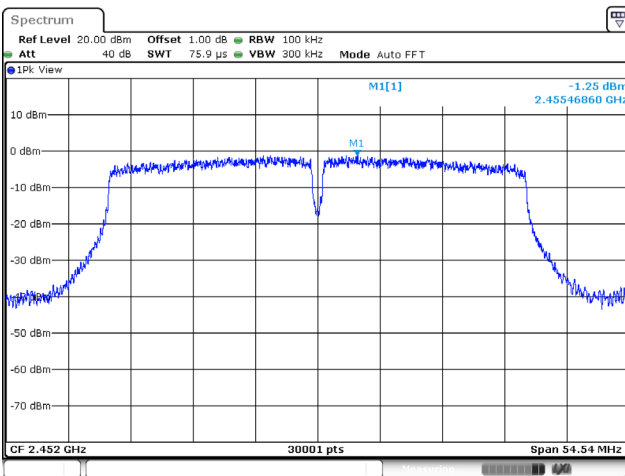


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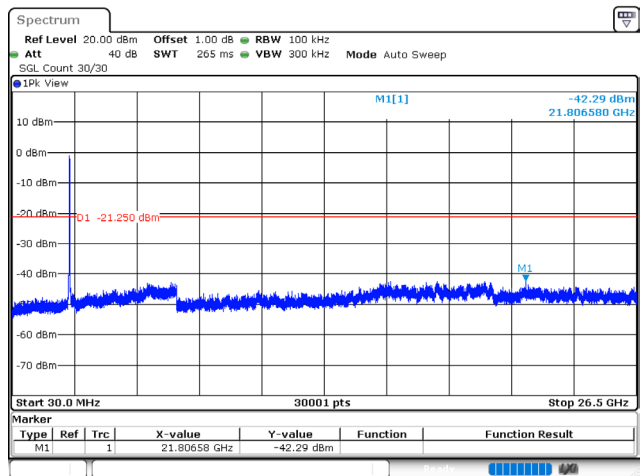


Date: 9 JUN.2022 14:59:24

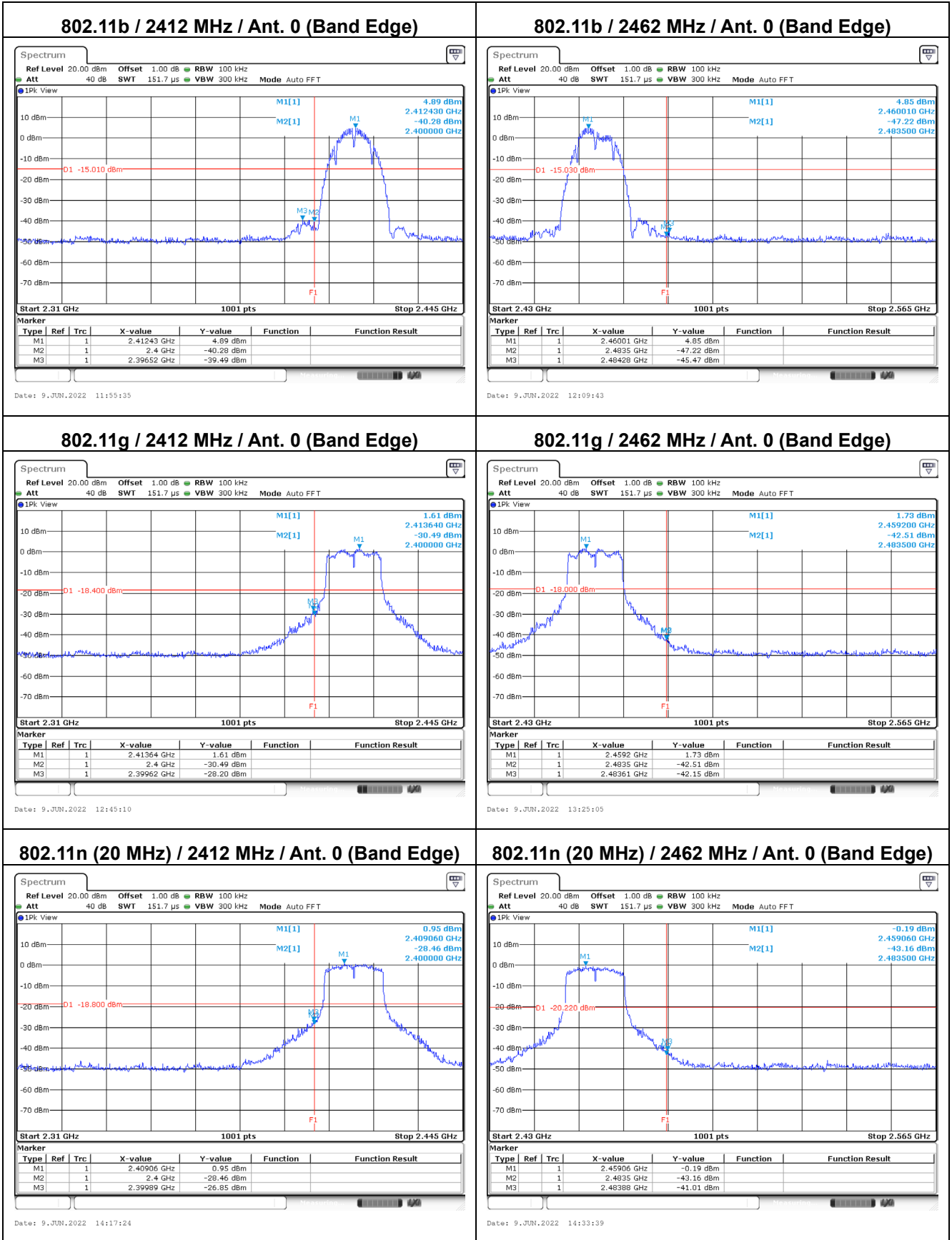
802.11n (40 MHz) / 2452 MHz / Ant. 1

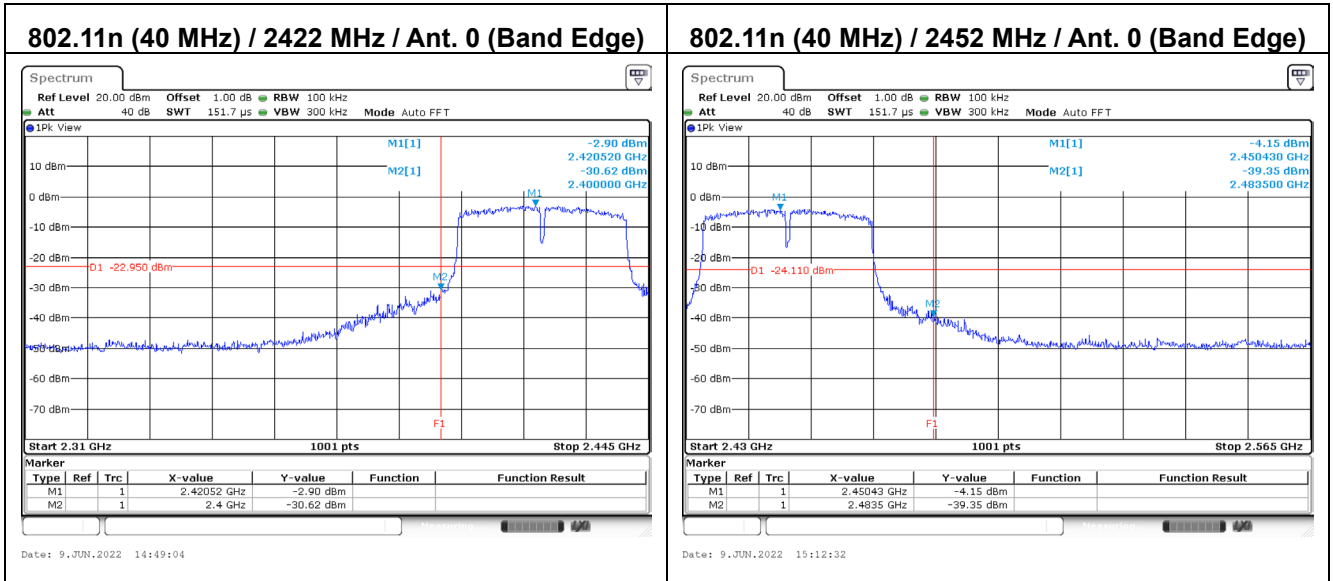


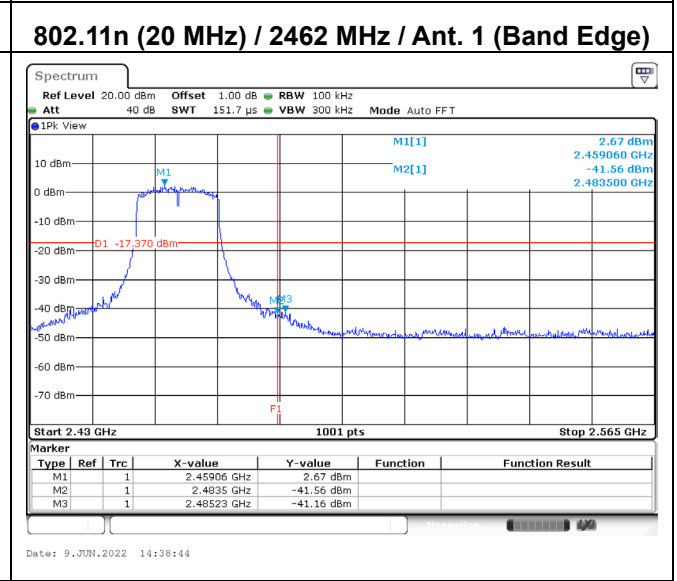
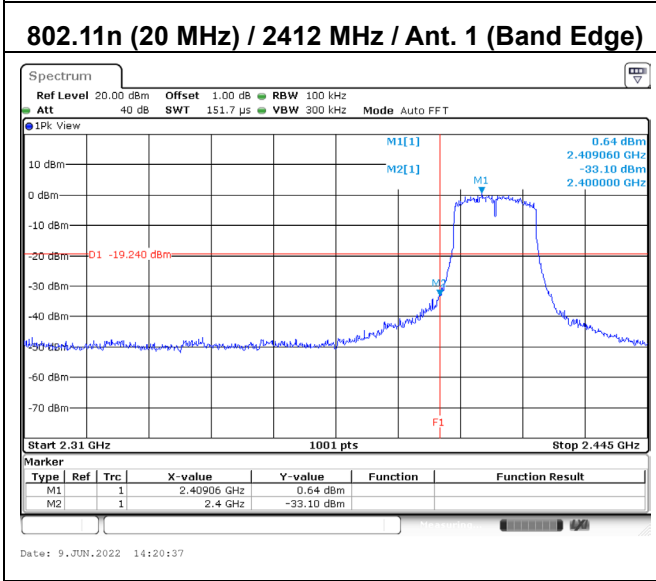
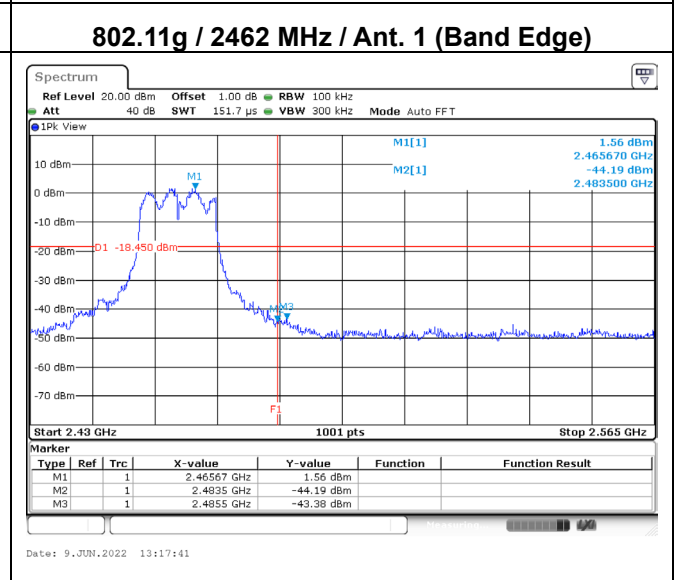
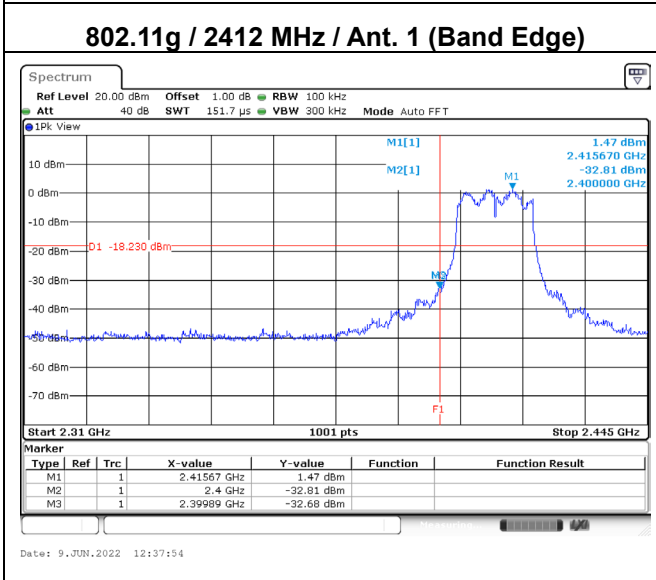
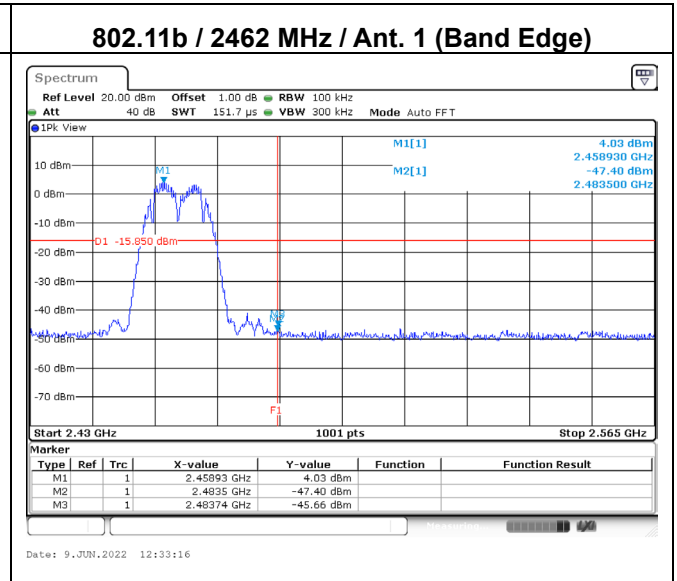
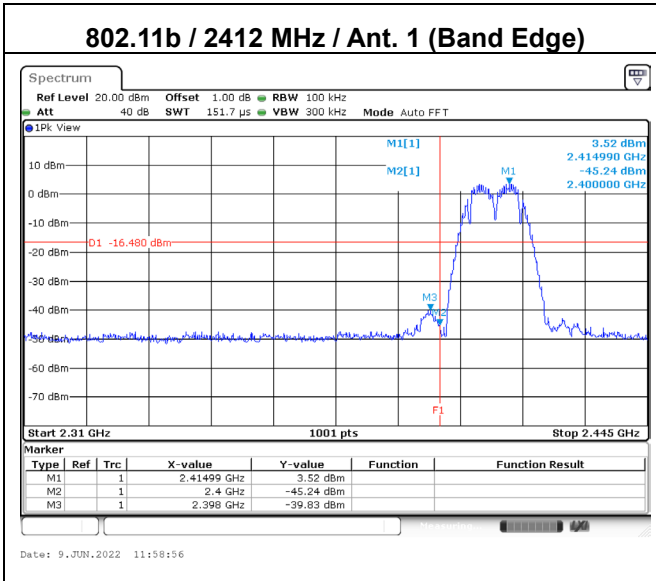
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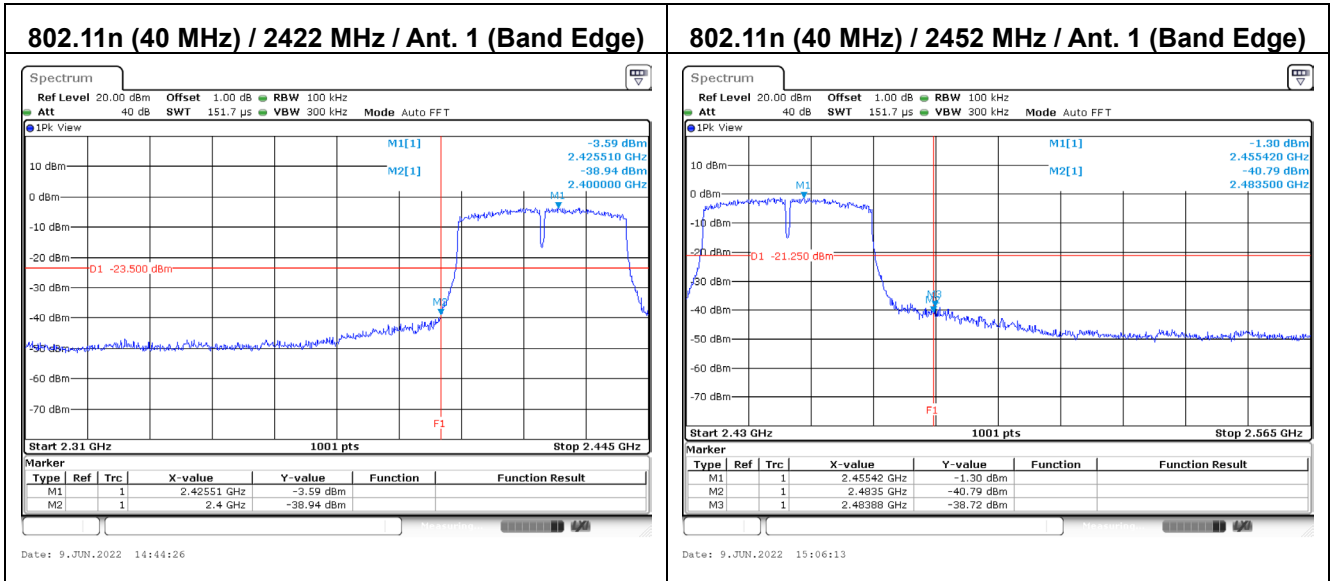


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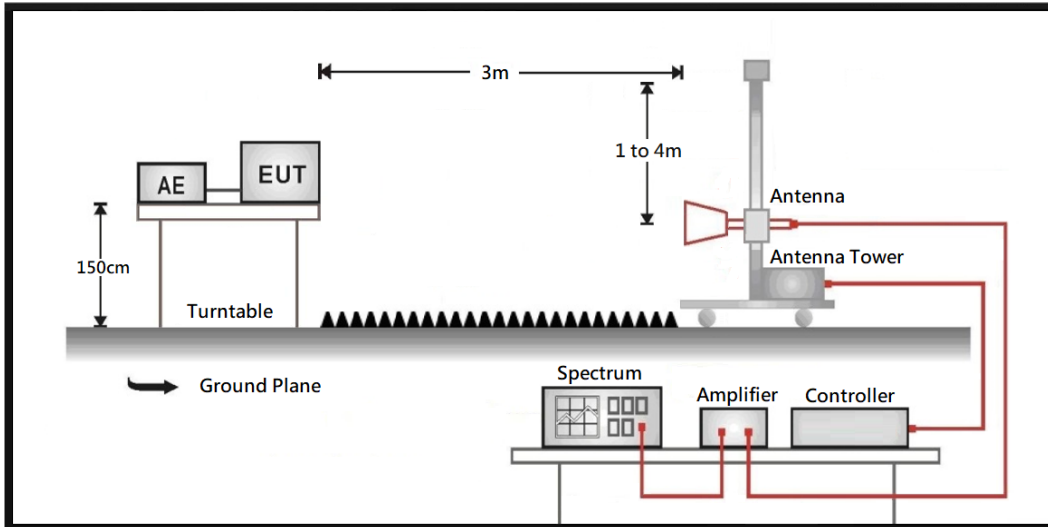




V

## 6. Radiated Emission Band Edge

### 6.1. Test Setup



### 6.2. Test Limit

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 30 dB below the level of the fundamental or to the general radiated emission limit in paragraph 15.209, whichever is the lesser attenuation.

Frequency (MHz)	Field strength (uV/m)	Field strength (dBuV/m)	Measurement distance (m)
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
Above 960	500	54	3

Remarks:

1. Field strength (dBuV/m) = 20 log Field strength (uV/m)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system



### **6.3. Test Procedure**

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247 requirements.

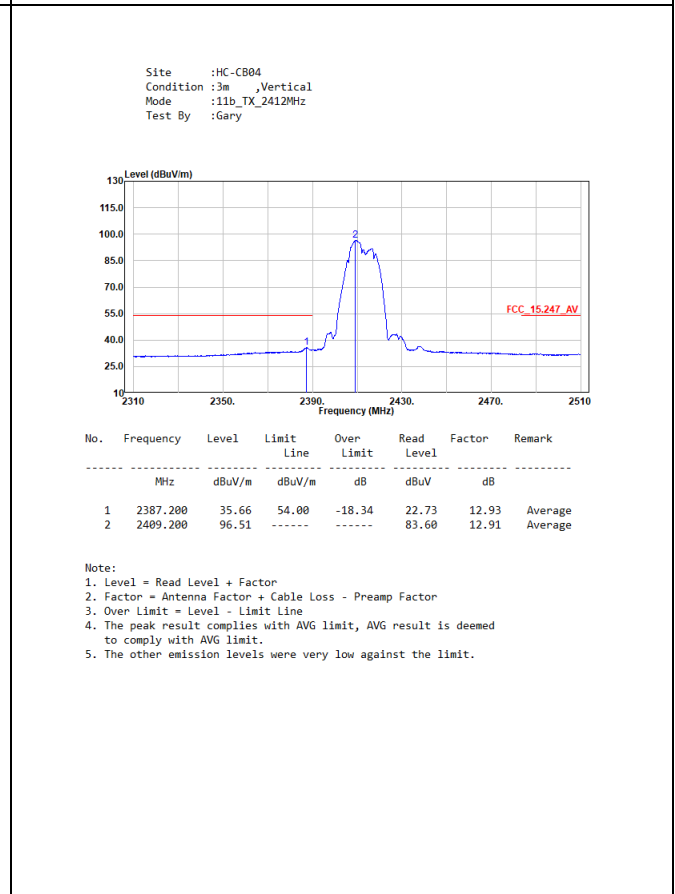
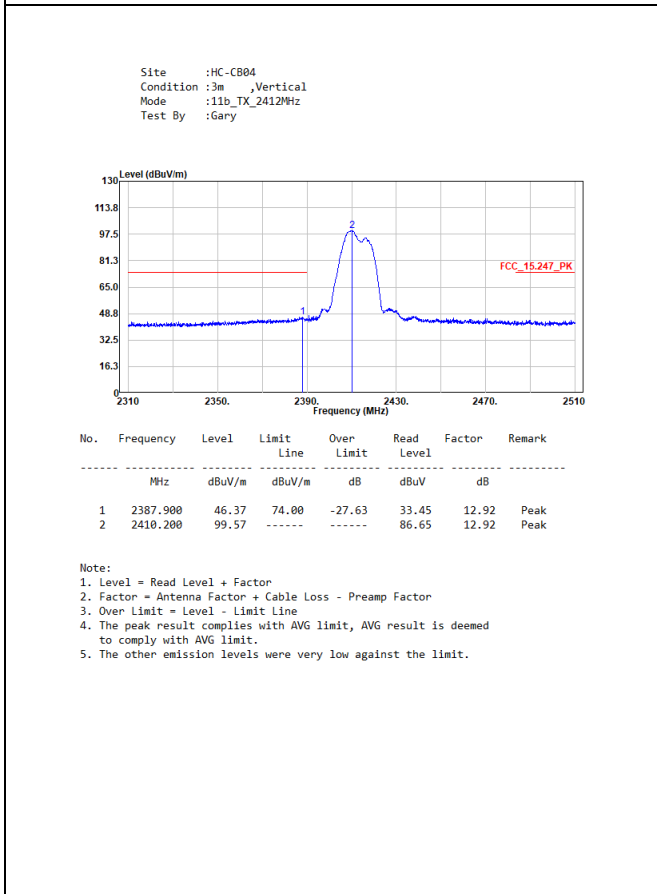
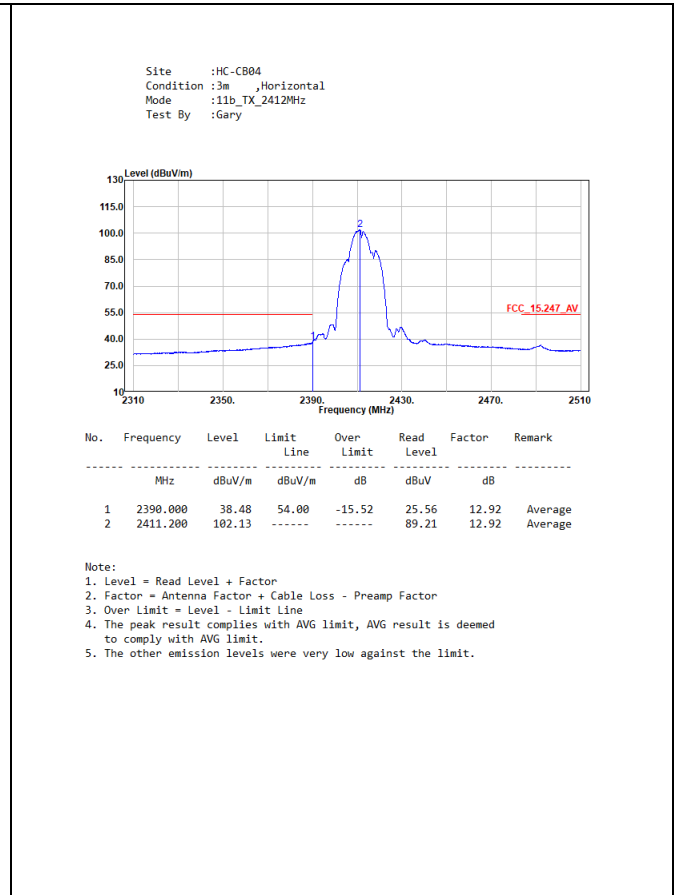
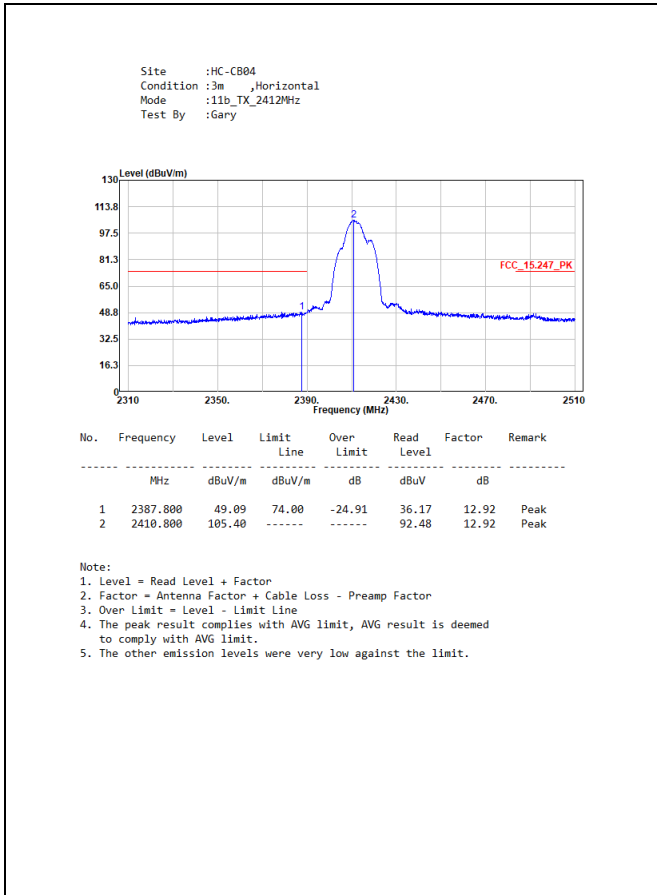
The EUT and its simulators are placed on a turn table which is 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

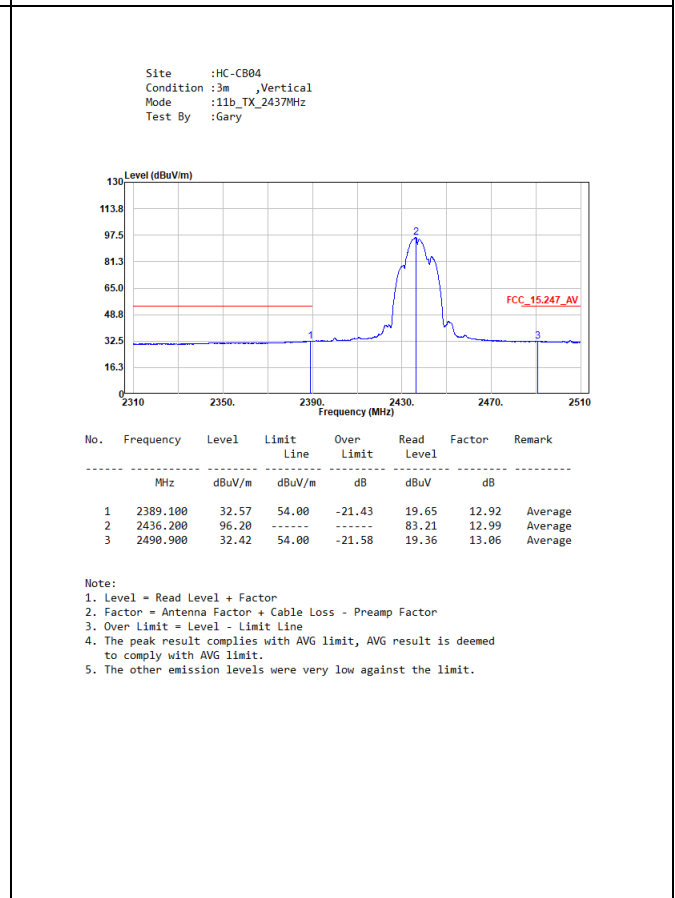
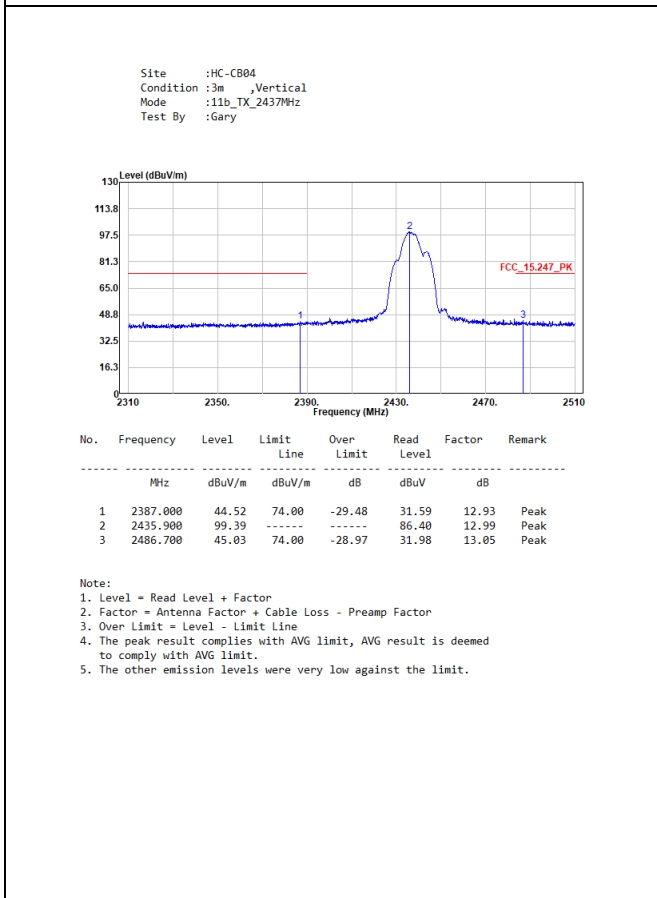
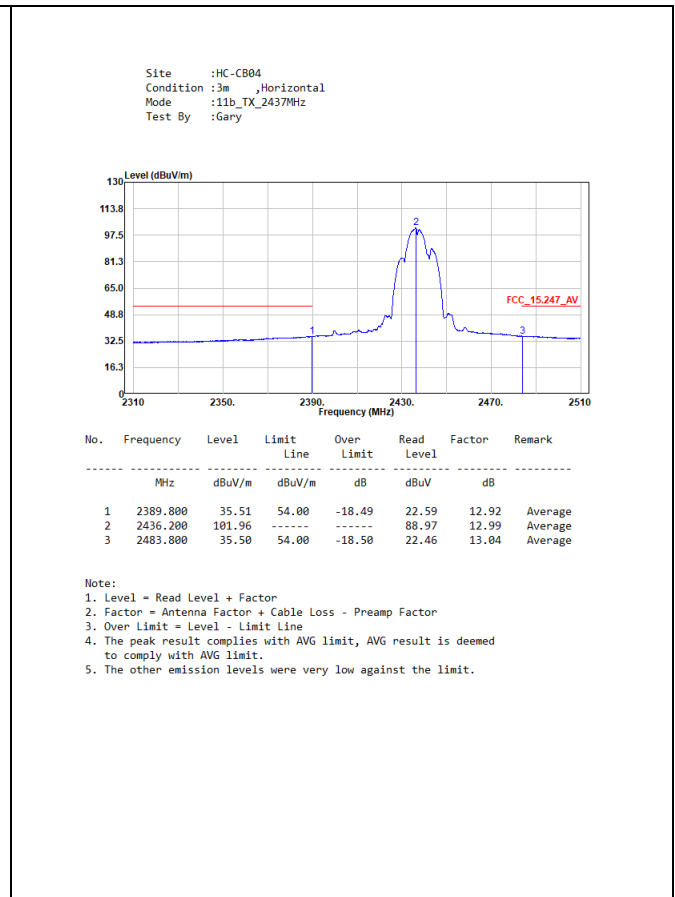
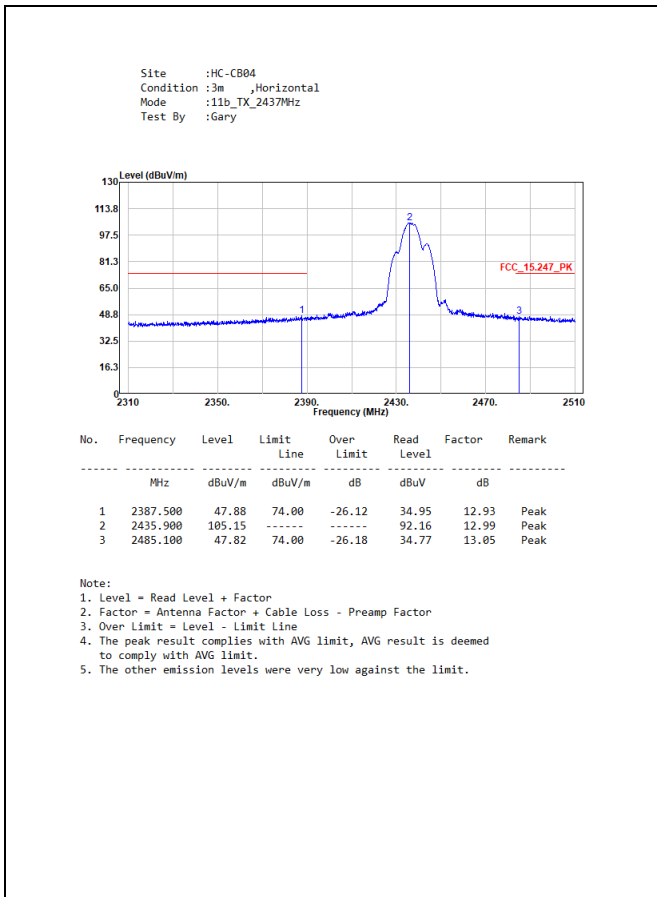
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

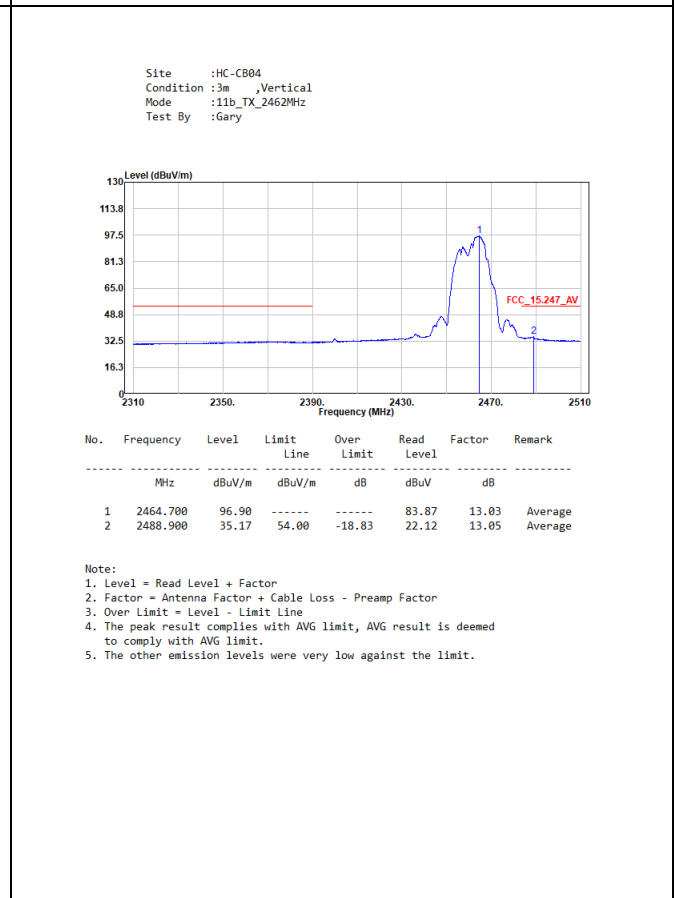
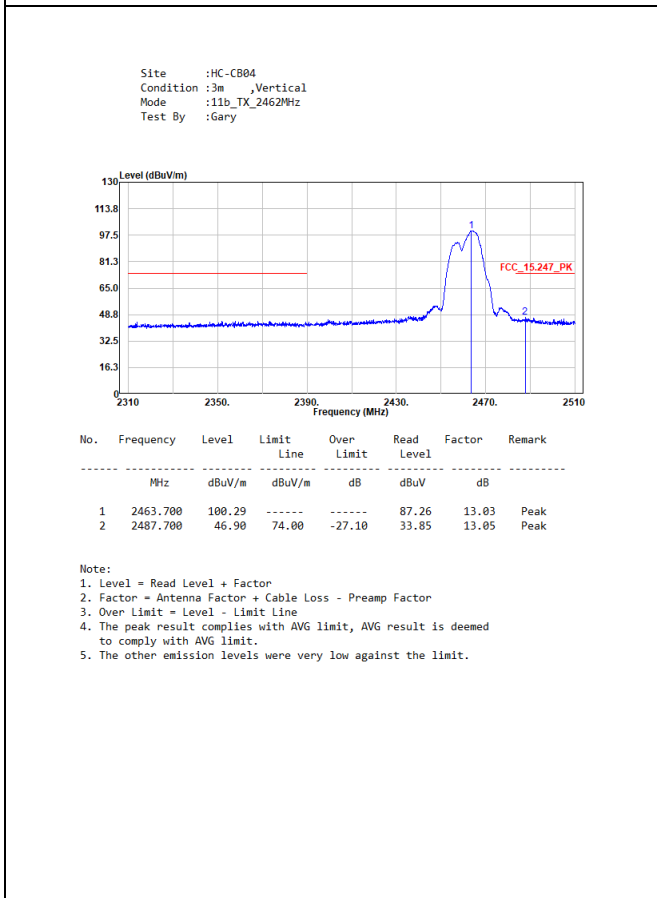
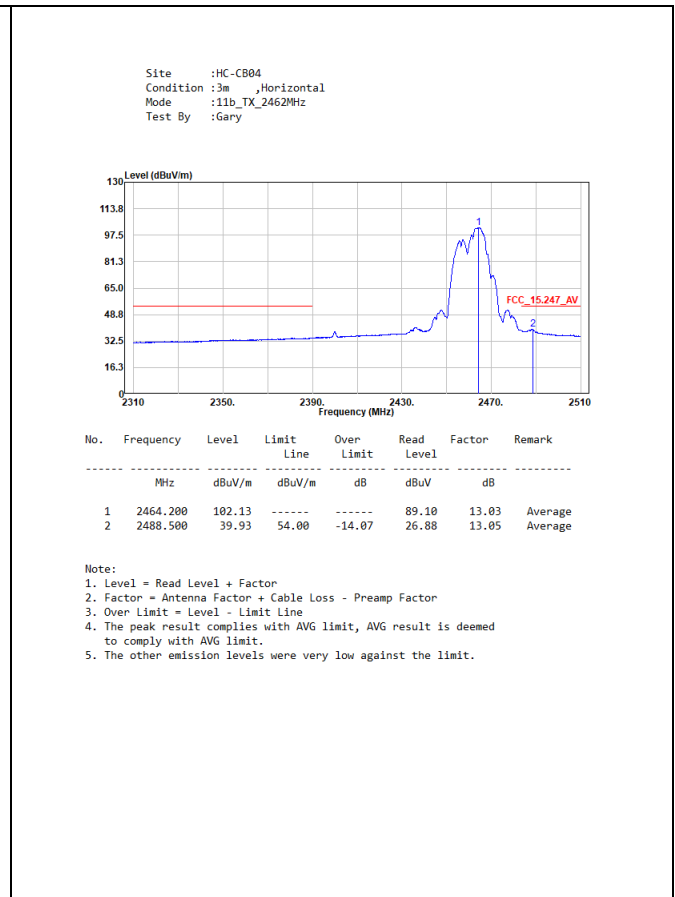
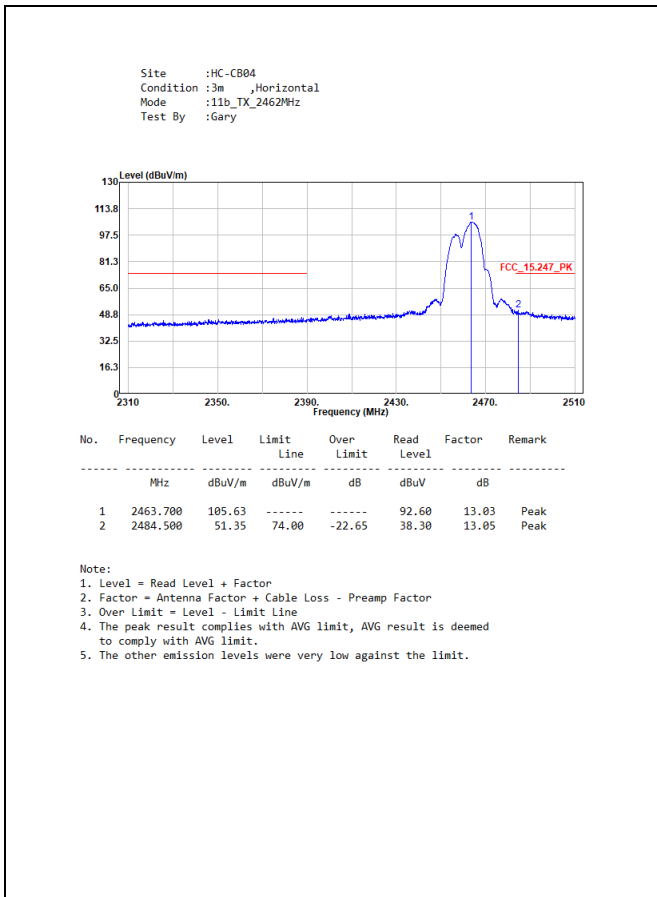
### **6.4. Test Specification**

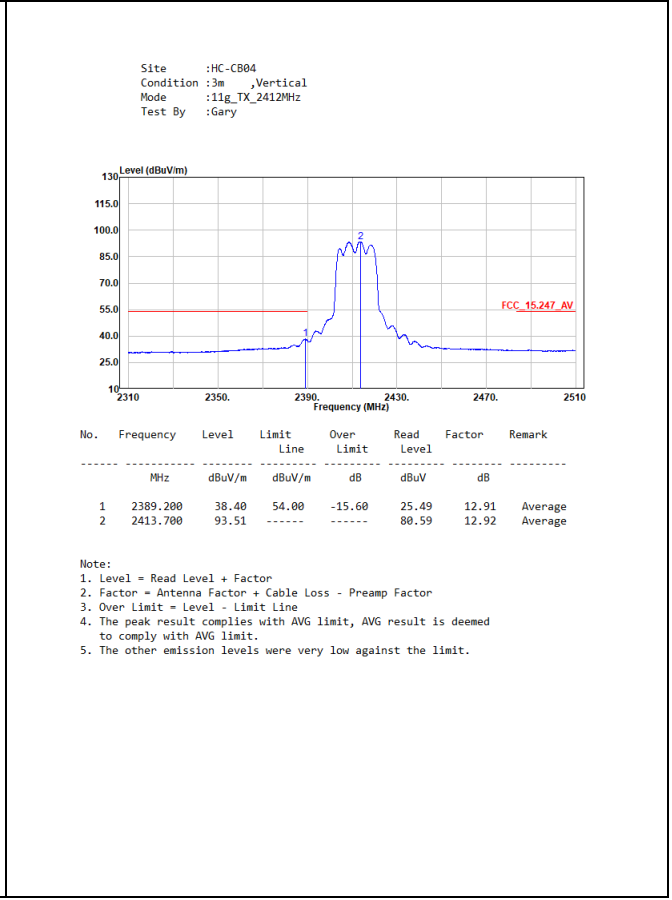
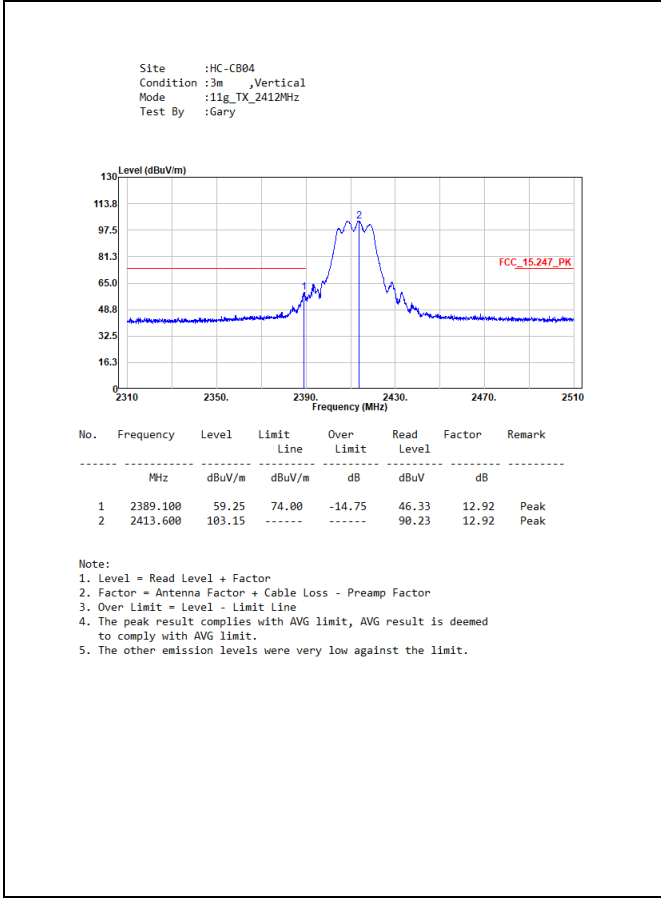
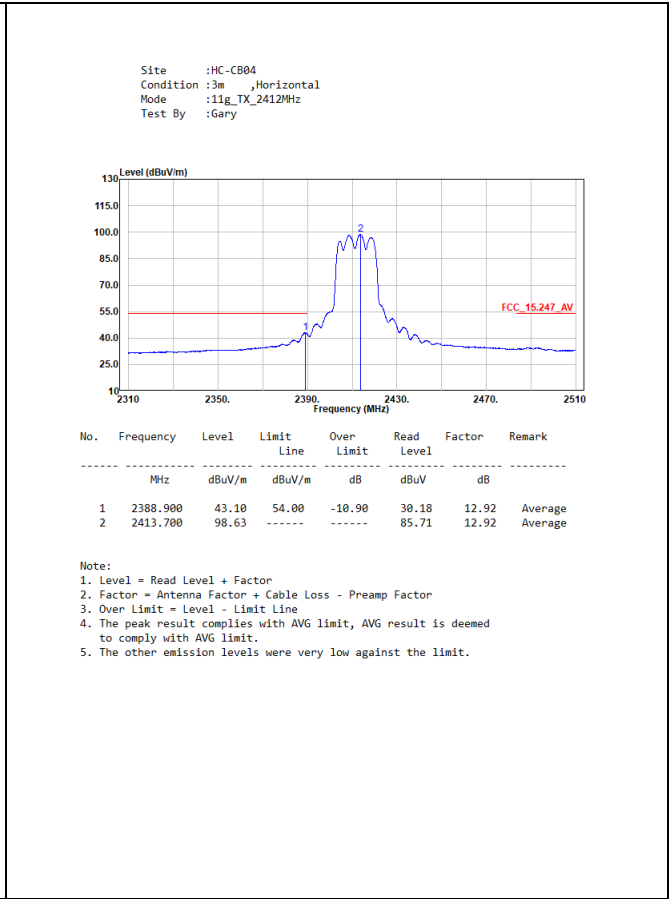
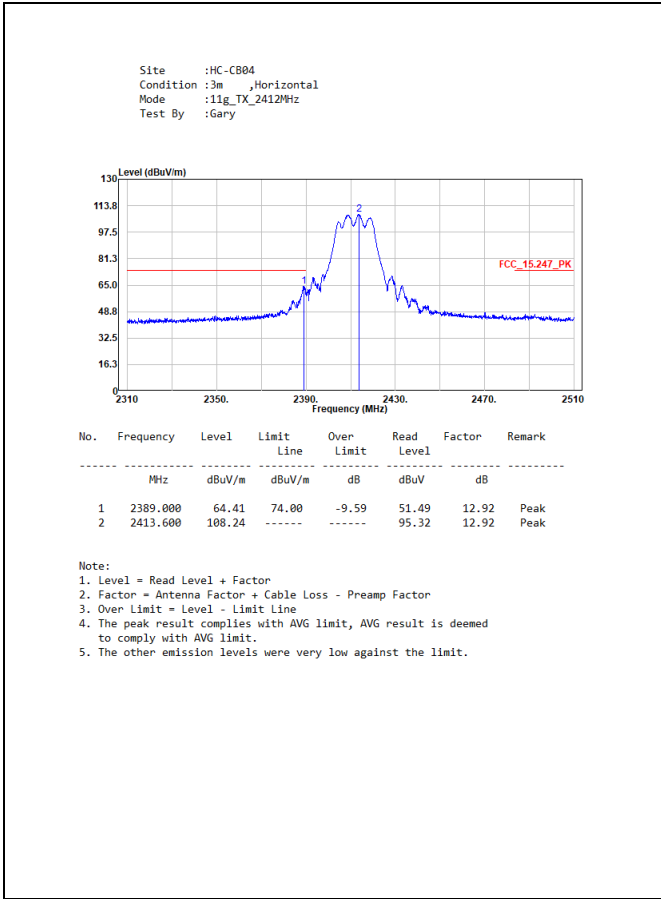
According to FCC Part 15 Subpart C Paragraph 15.247.

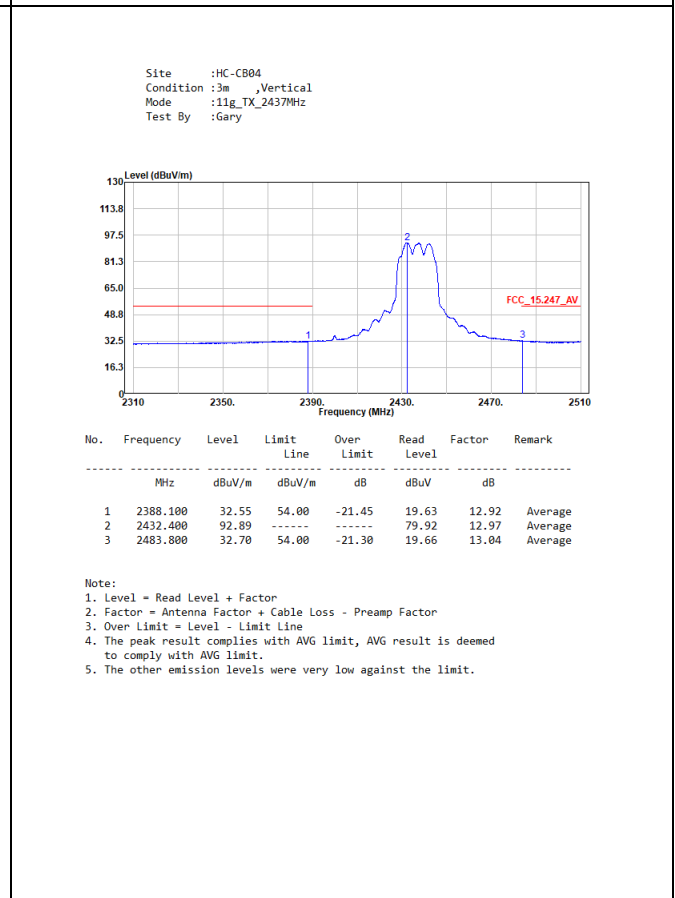
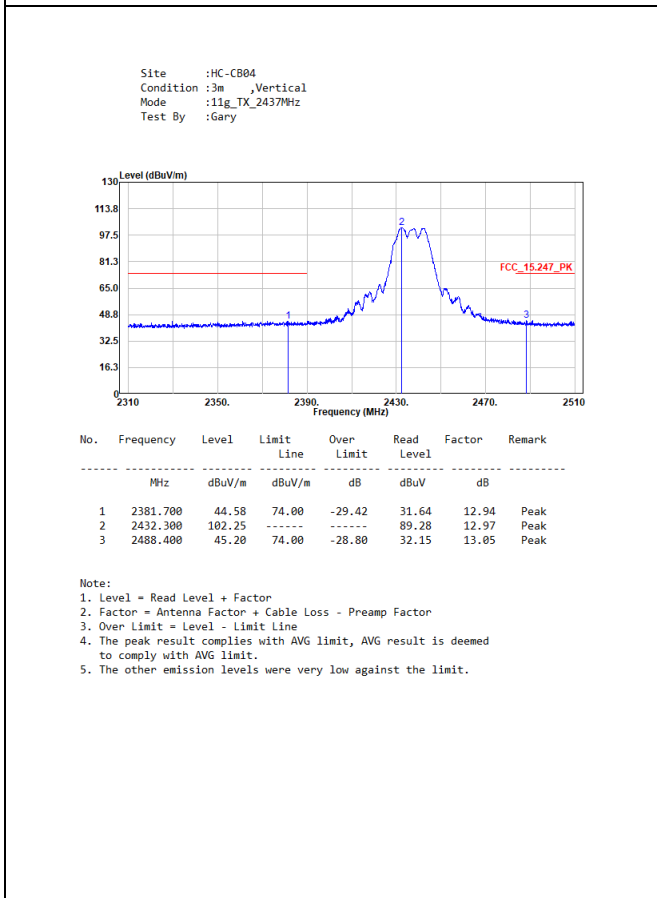
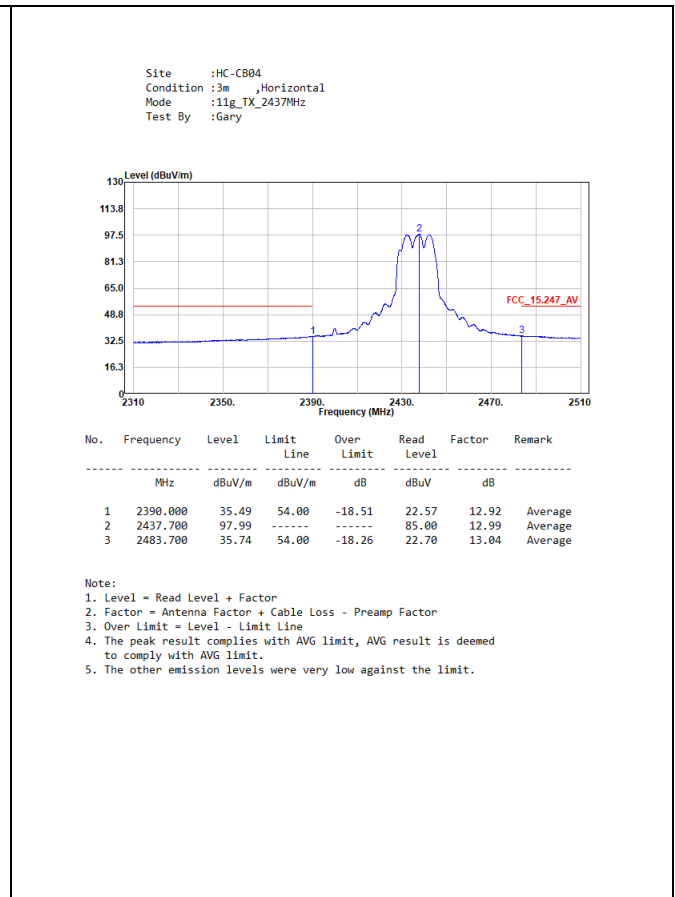
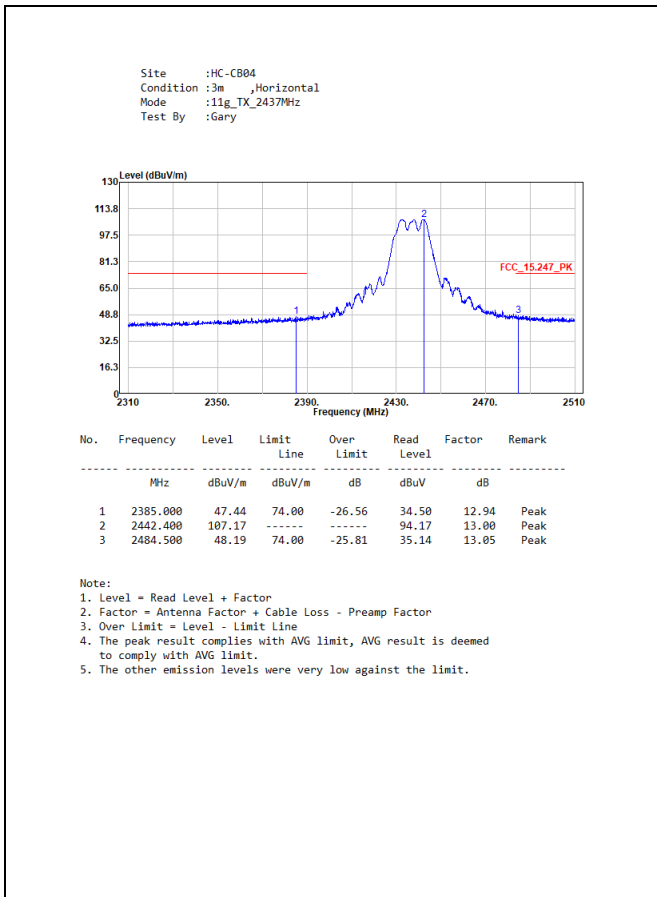
### 6.5. Test Result of Radiated Emission Band Edge

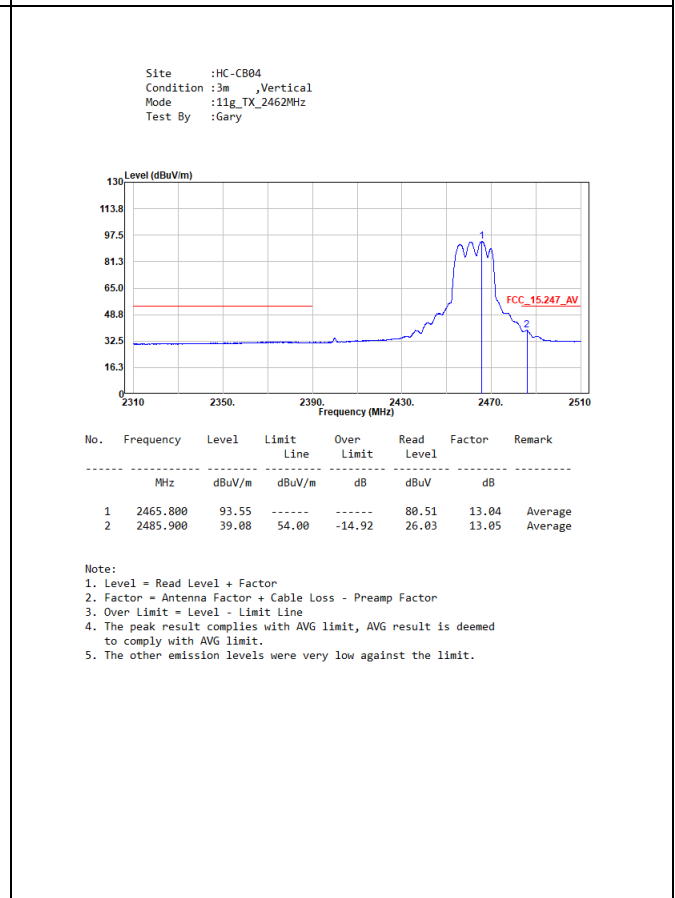
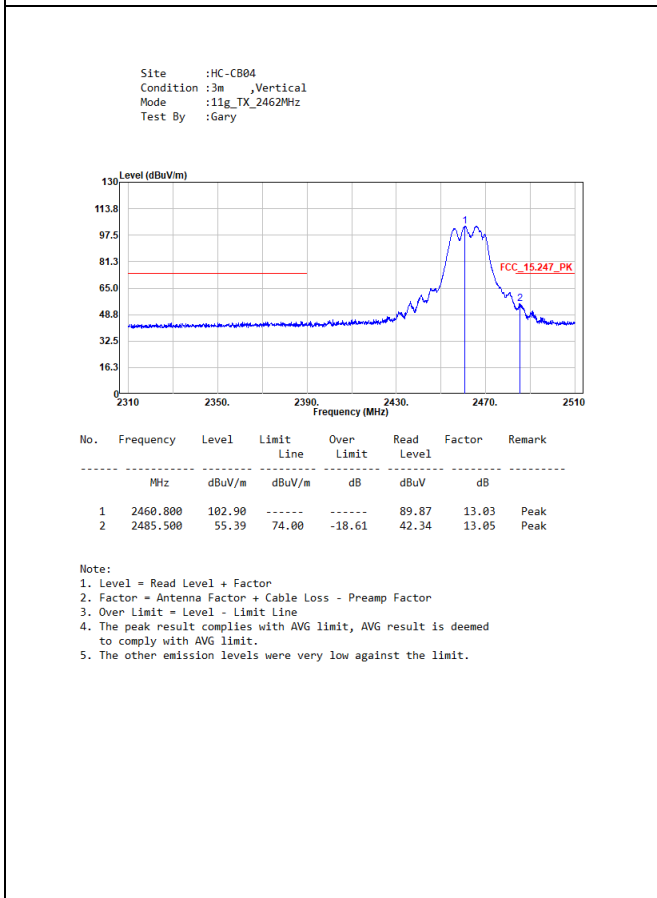
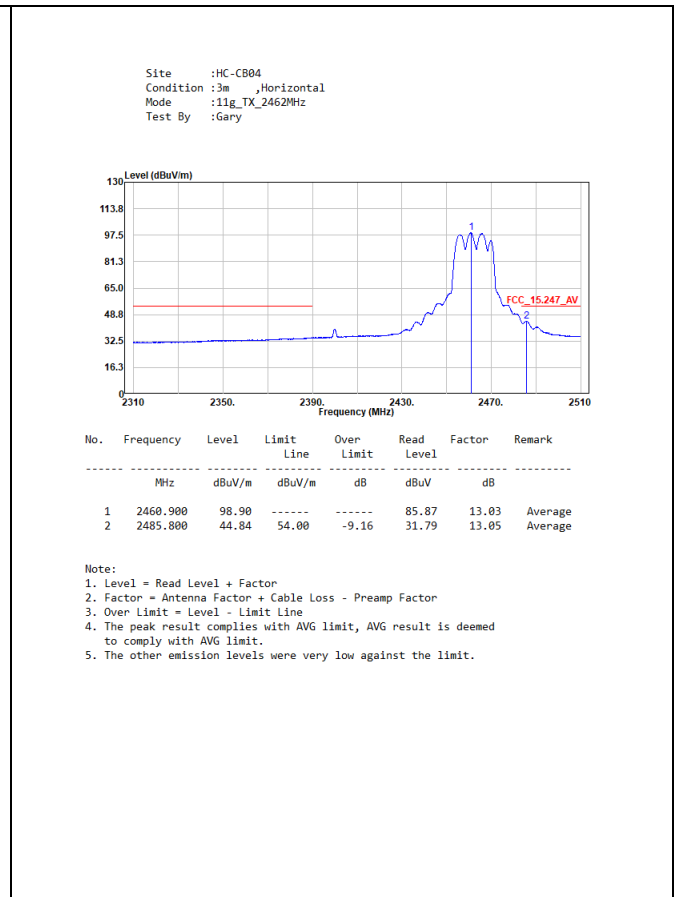
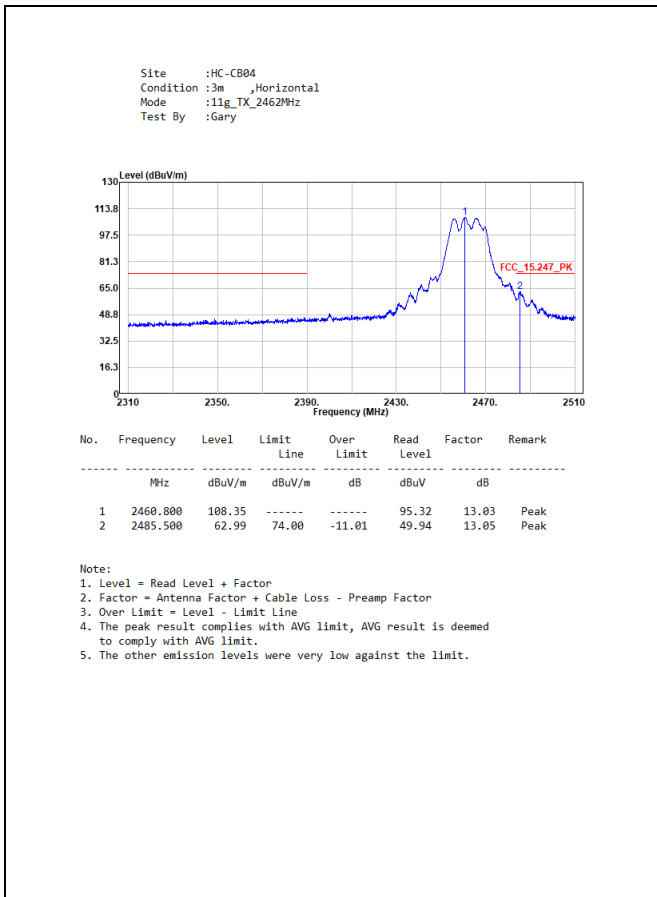


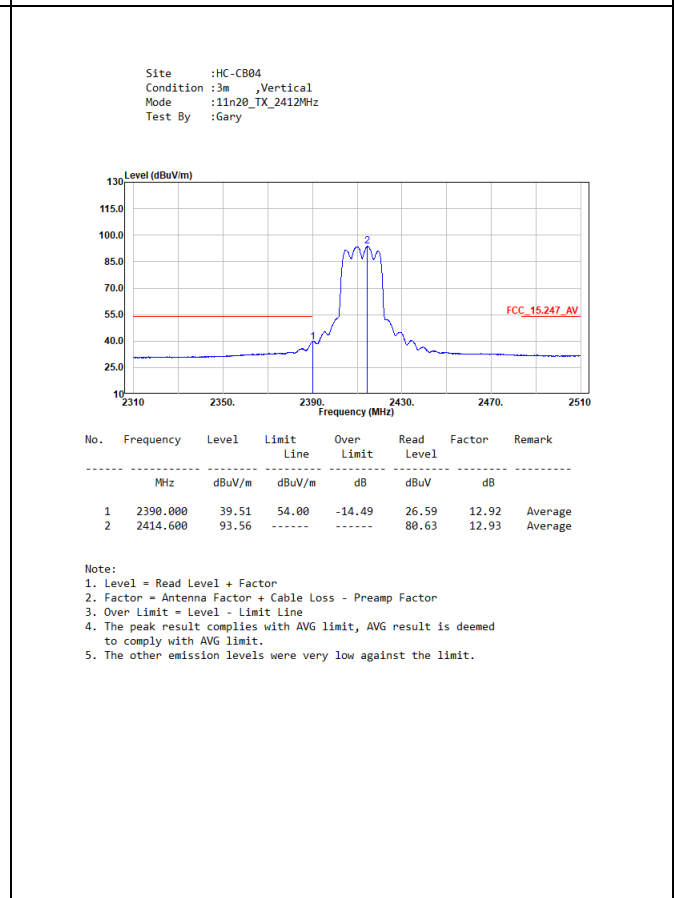
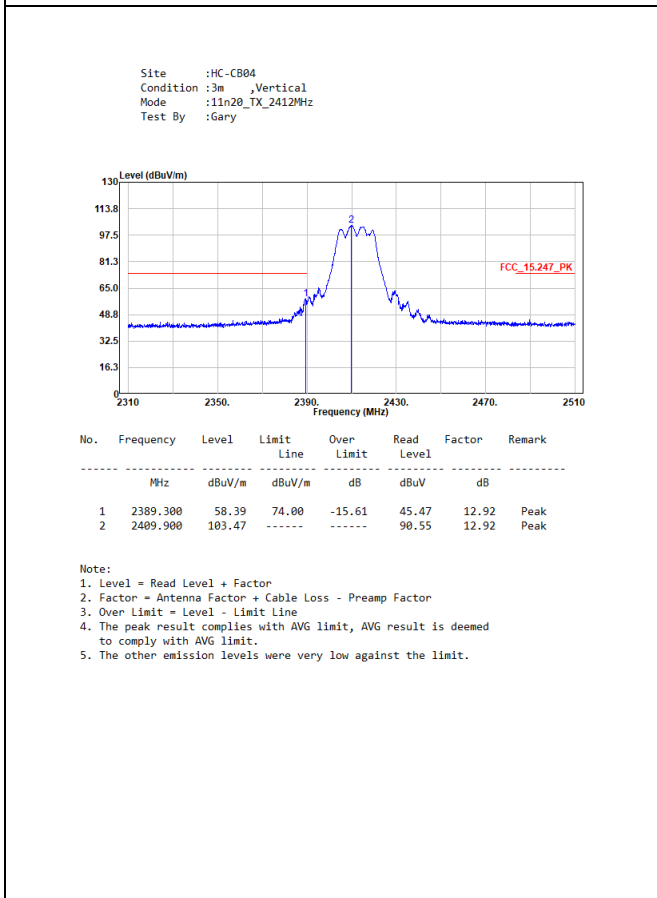
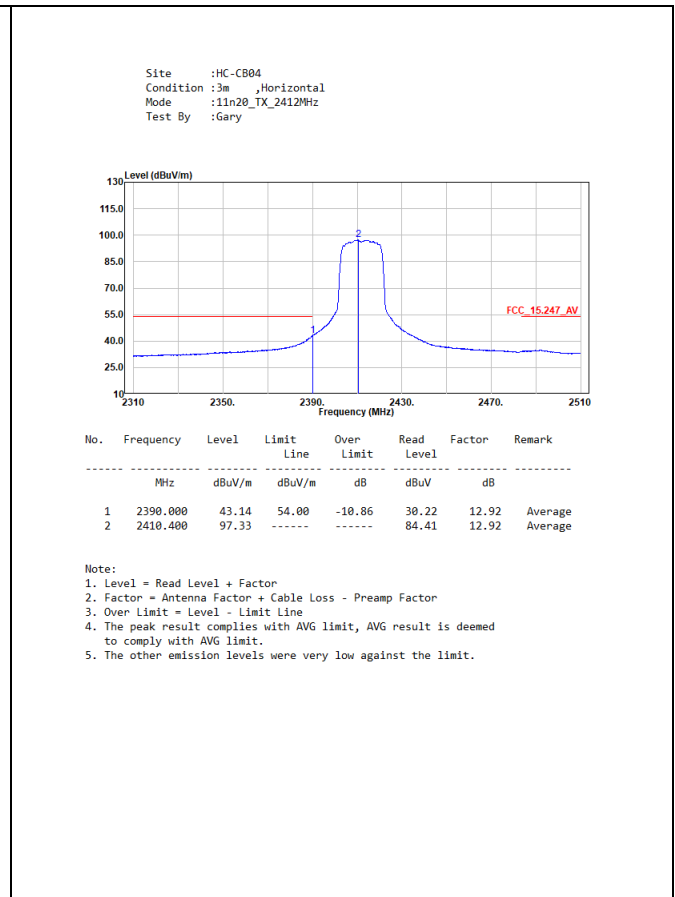
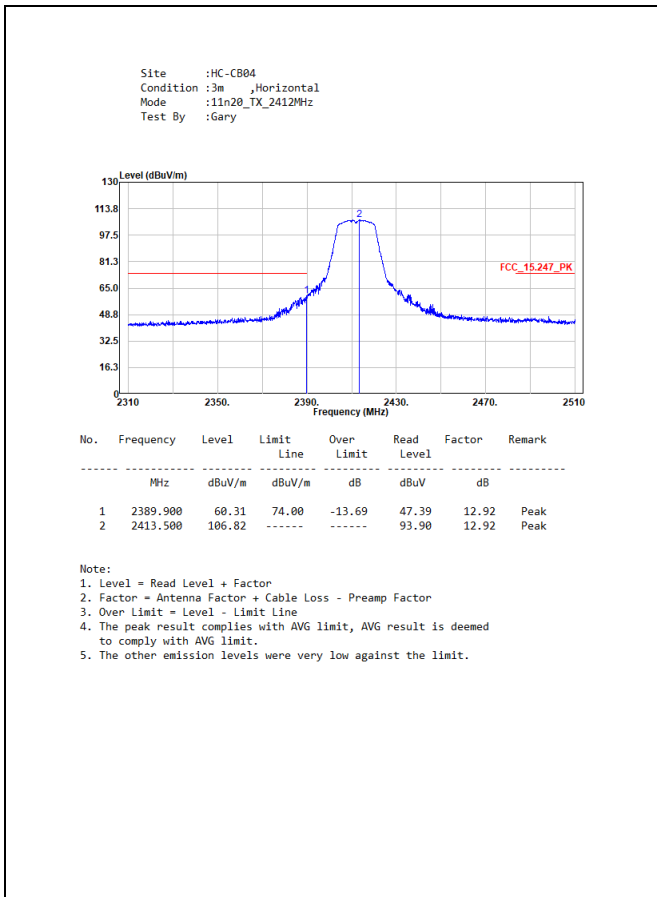




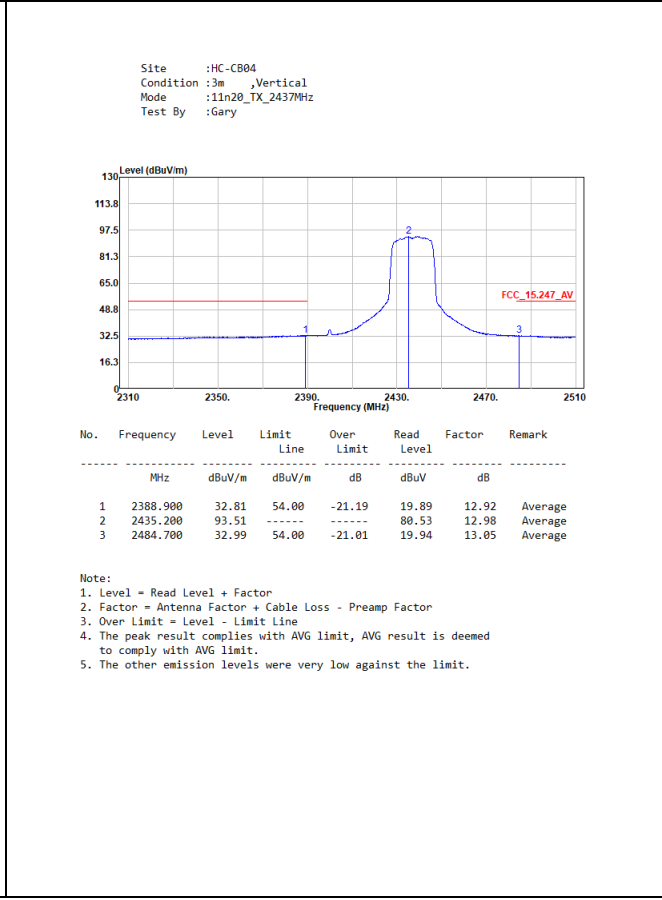
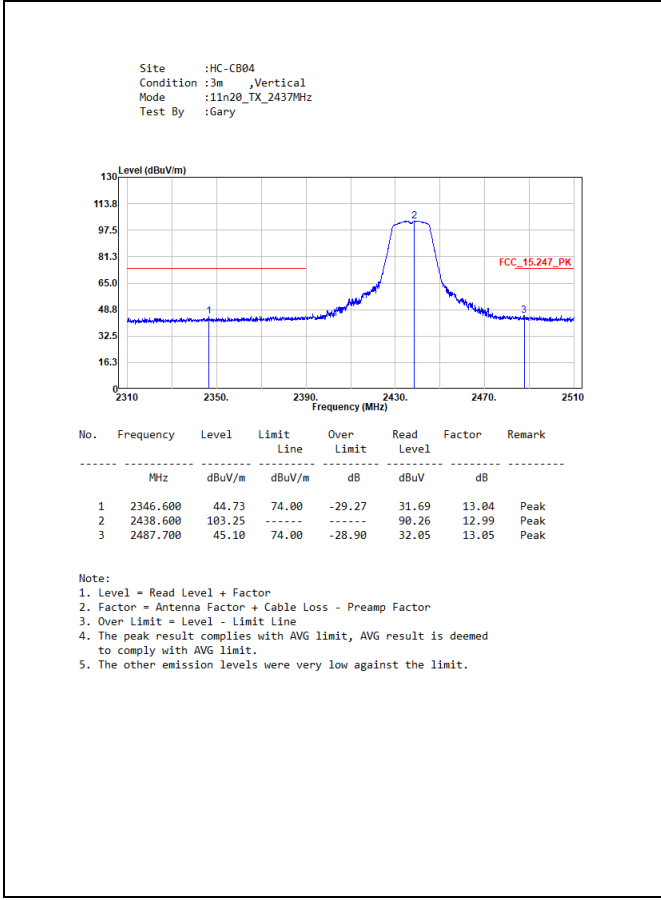
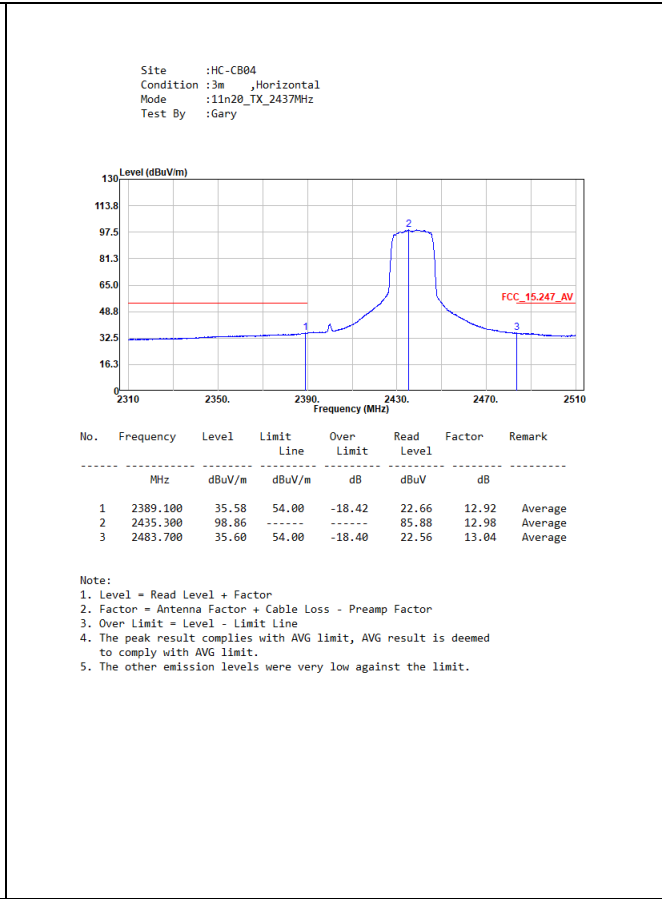
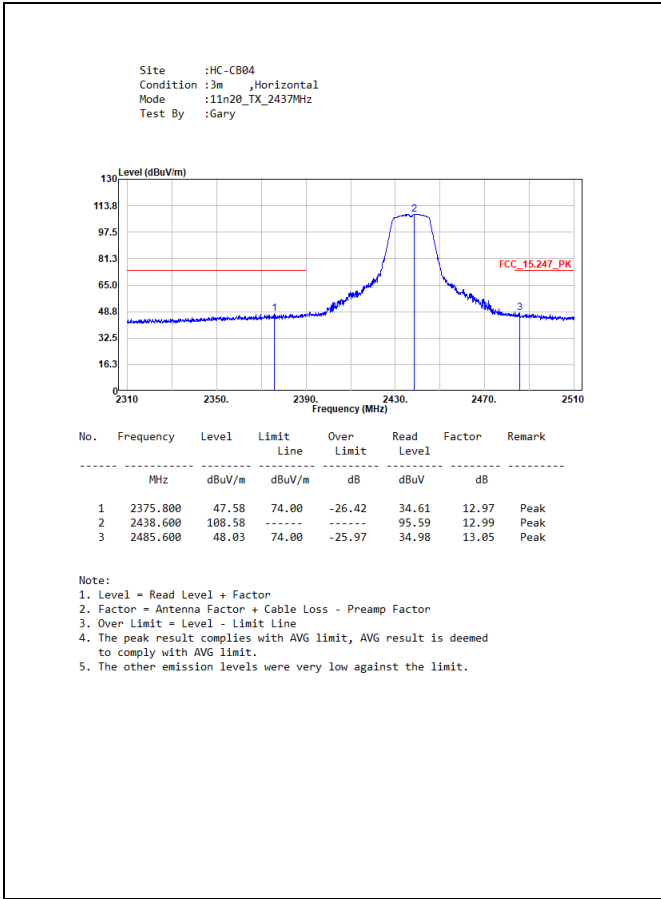


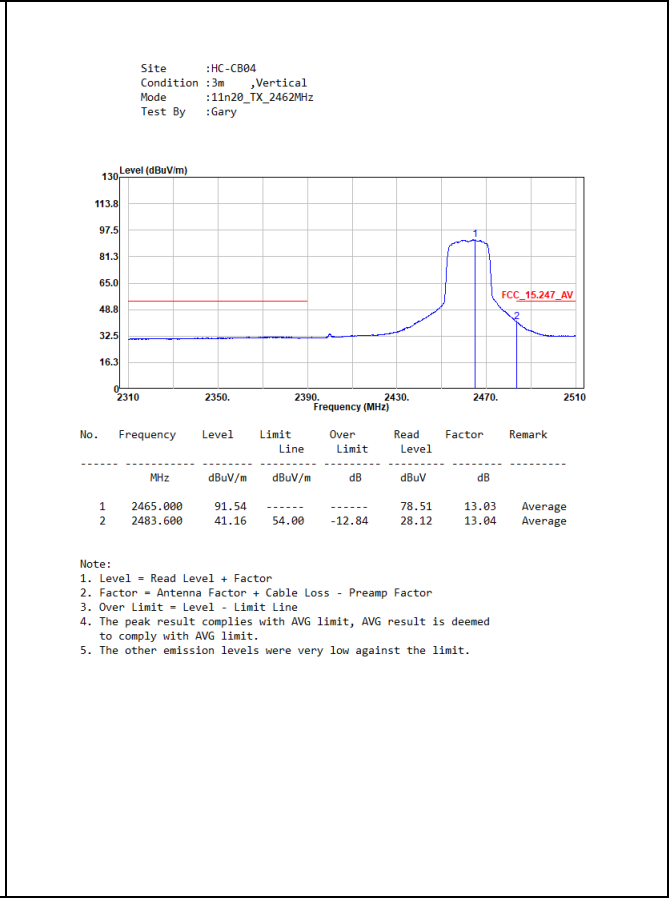
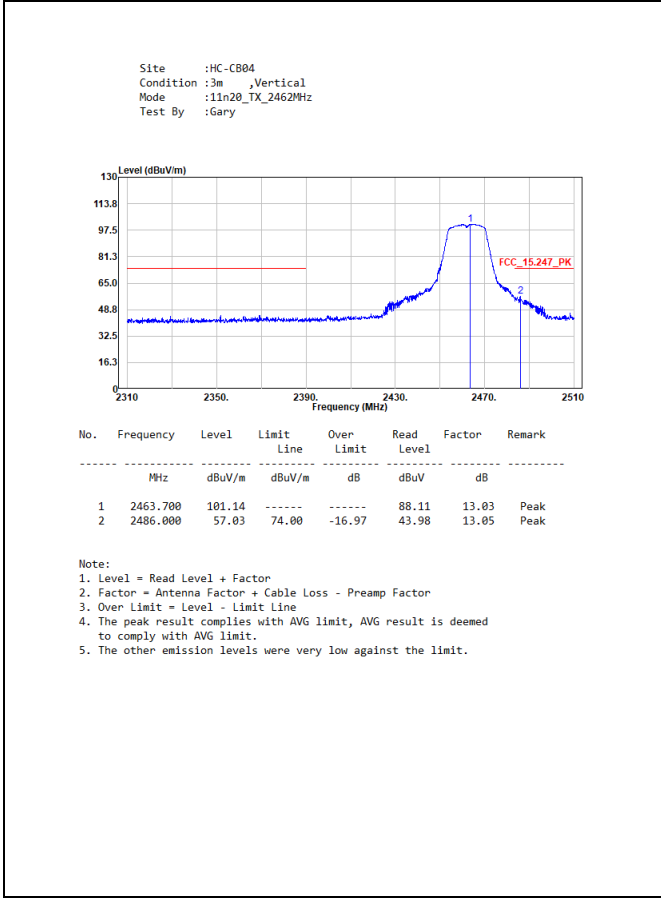
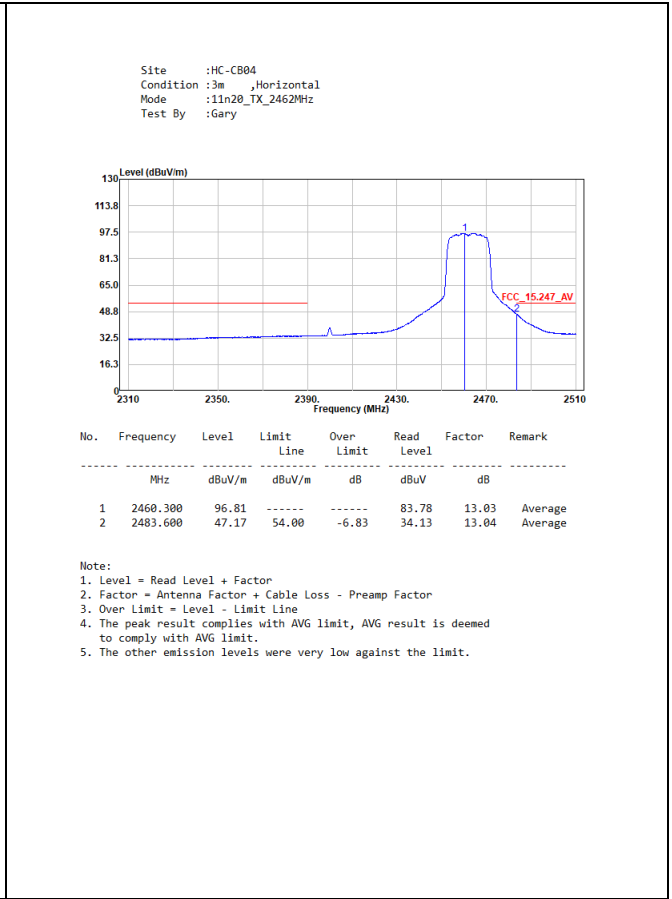
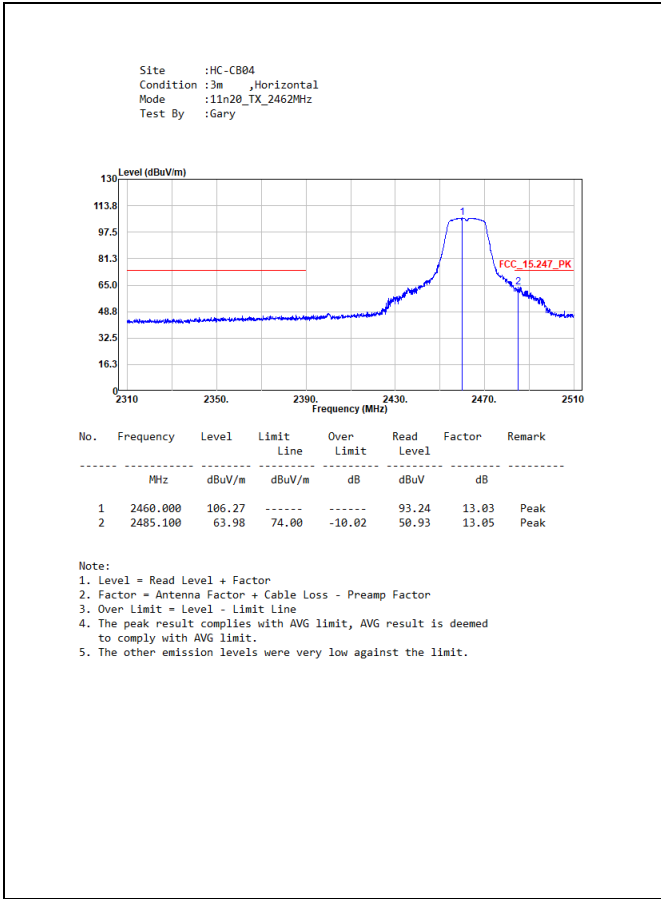


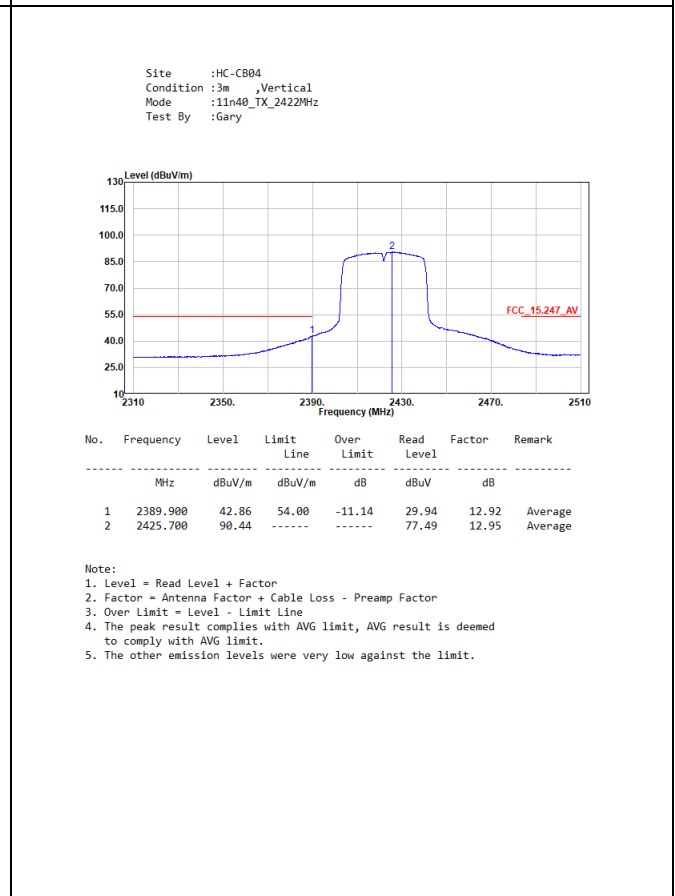
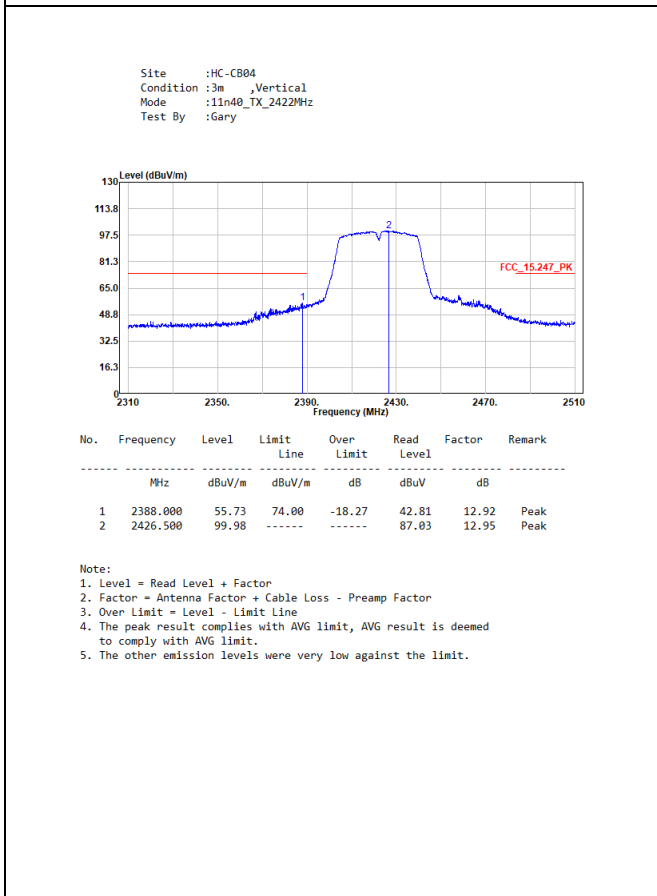
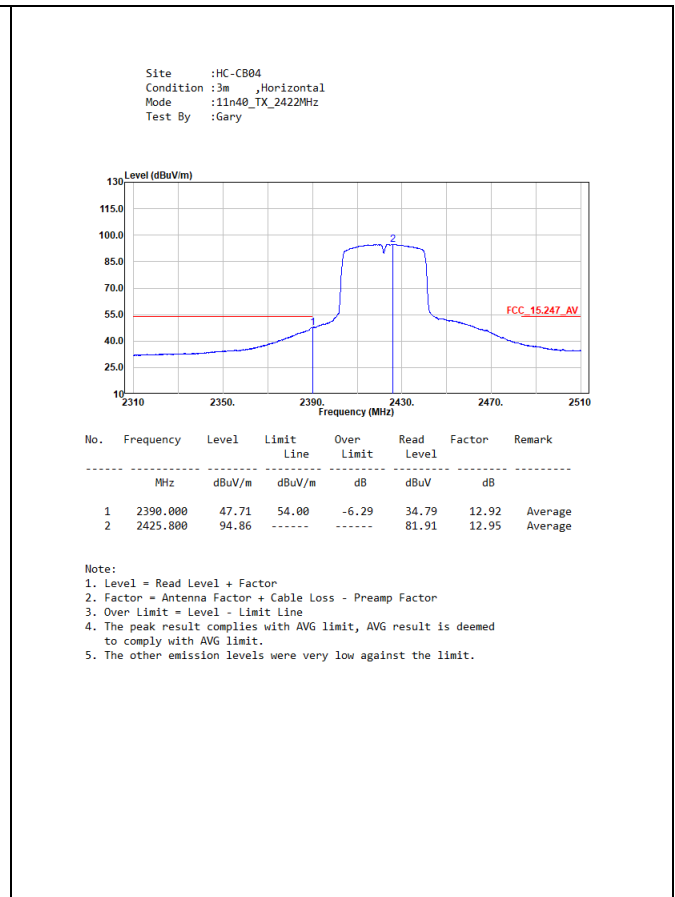
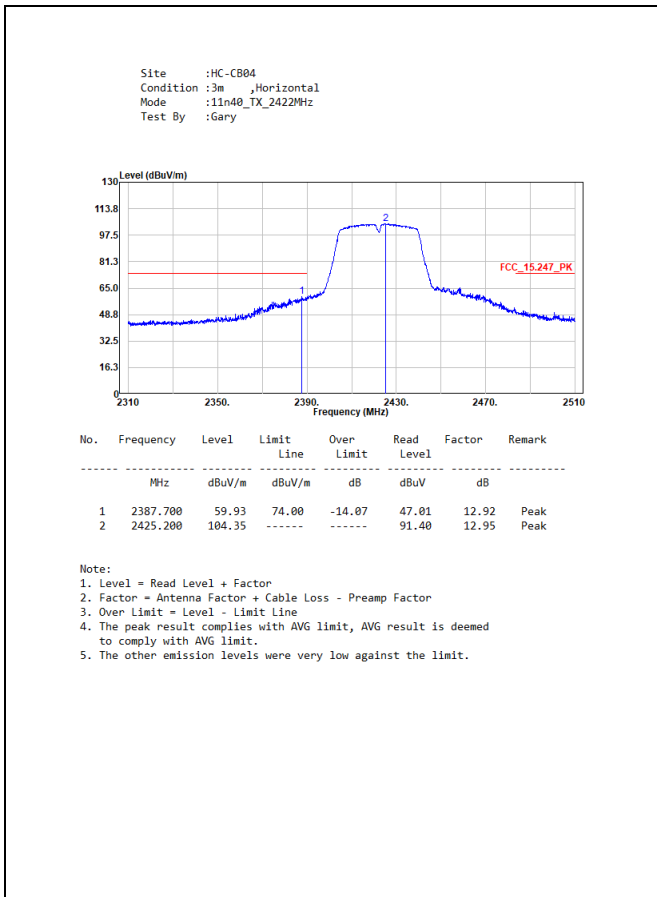


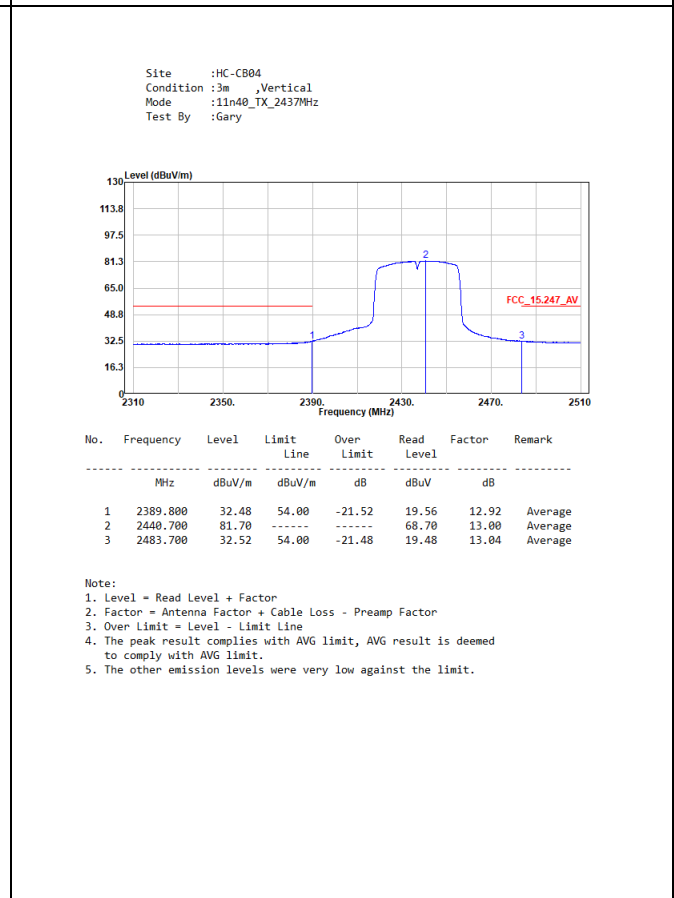
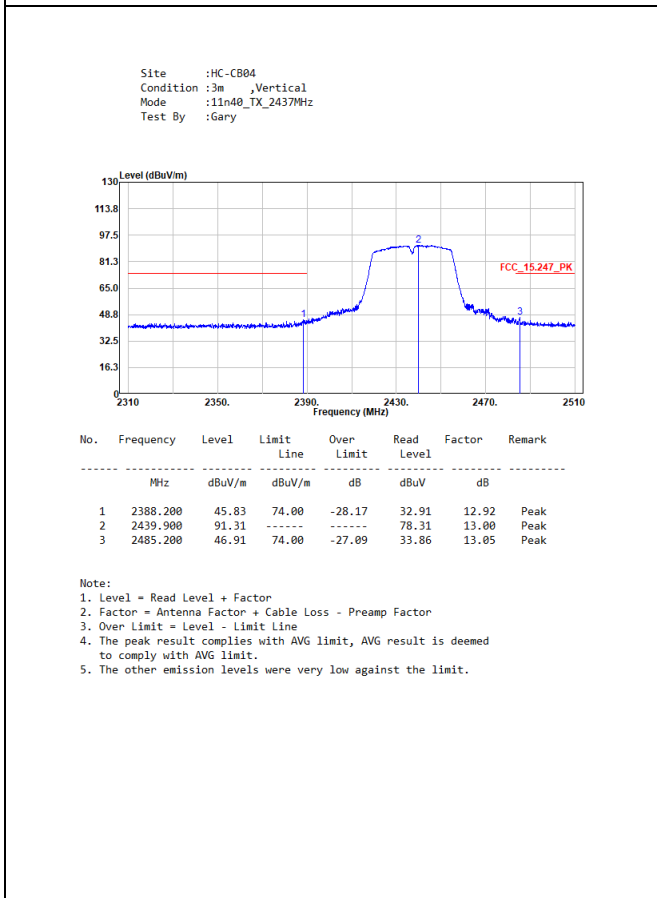
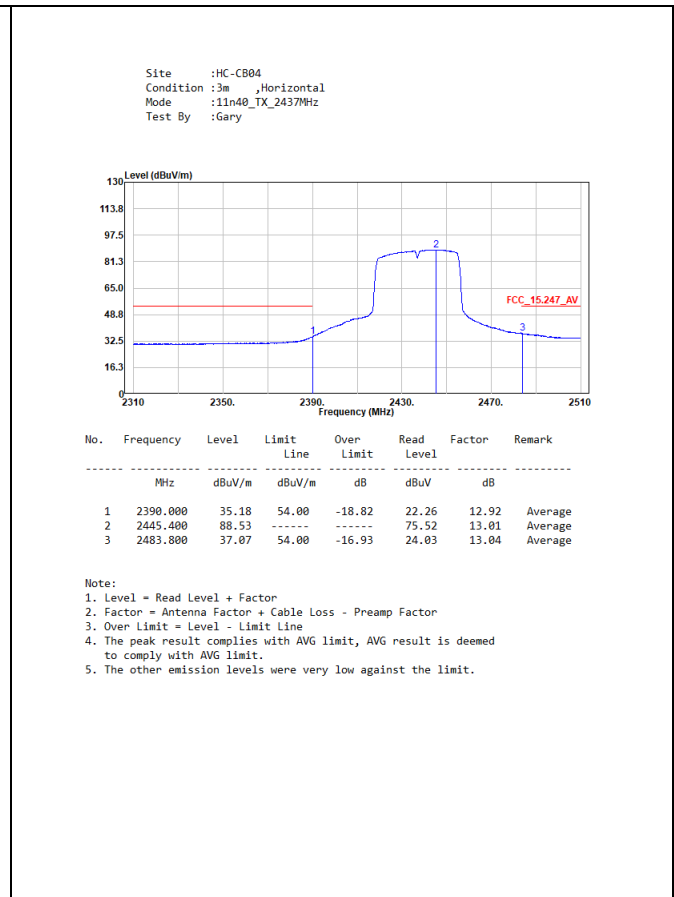
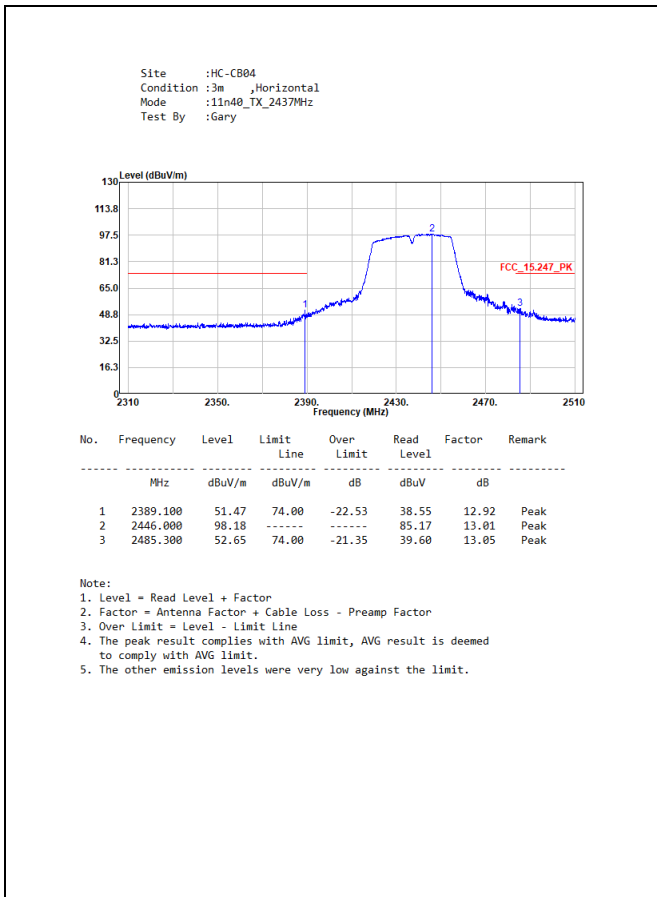


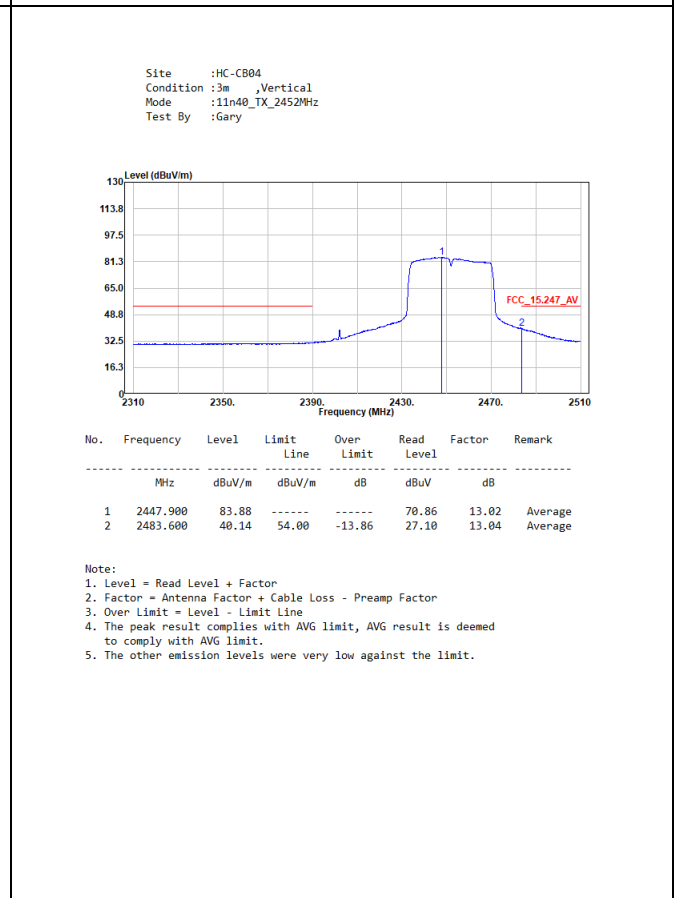
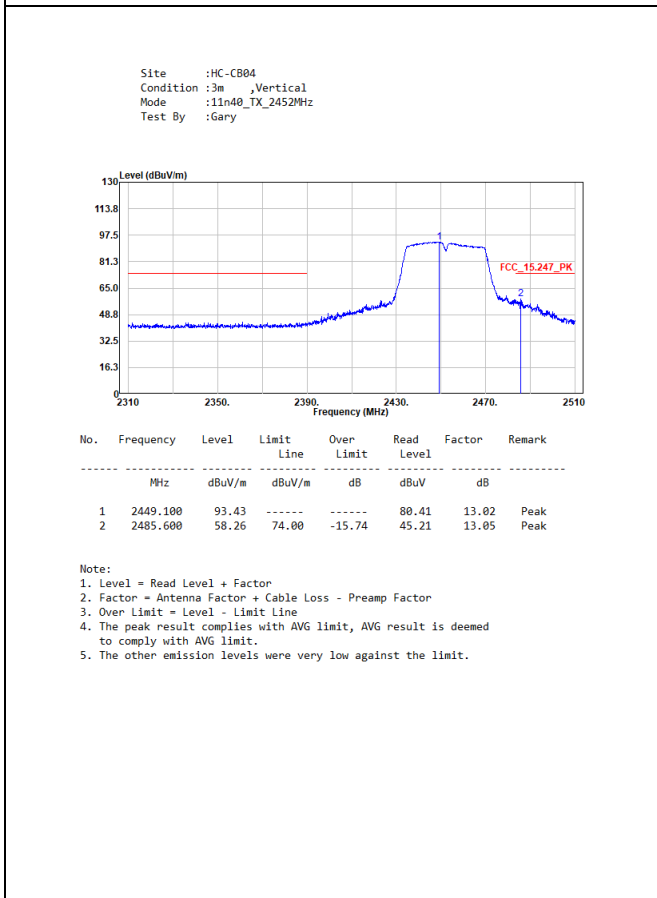
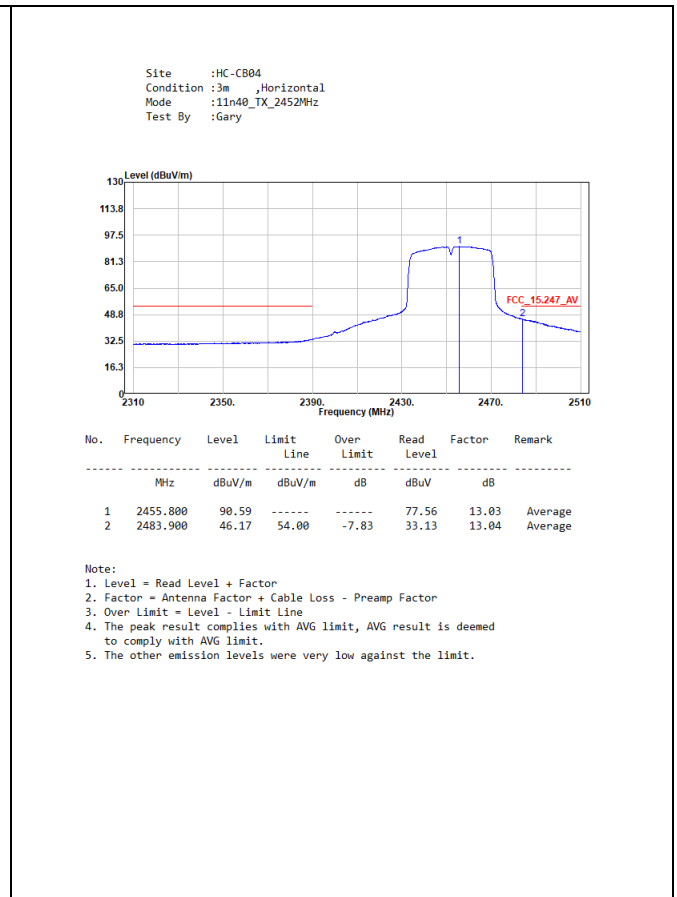
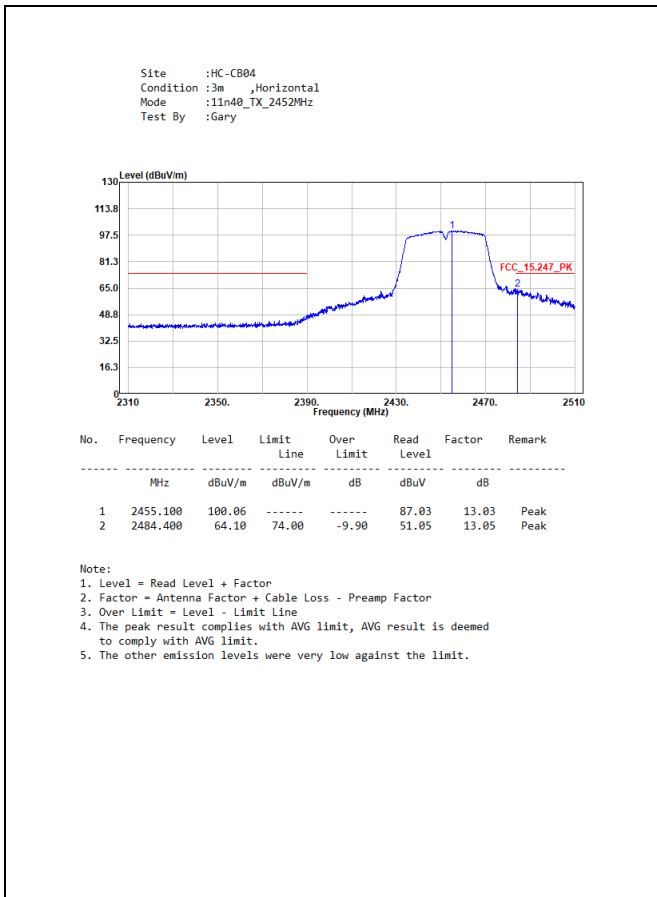






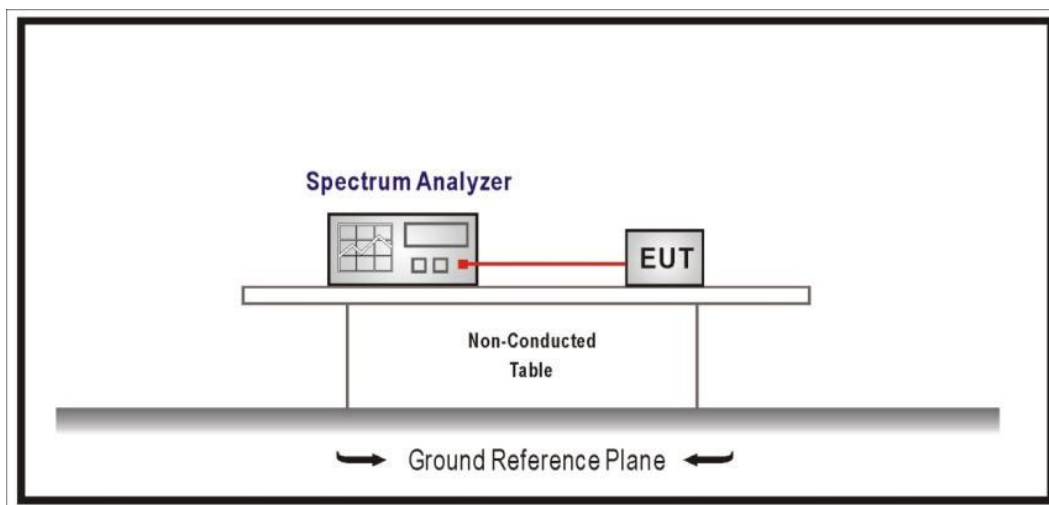






## 7. Occupied Bandwidth & DTS Bandwidth

### 7.1. Test Setup



### 7.2. Test Limit

The 6 dB bandwidth:  $\geq 0.50$  MHz.

Occupied Bandwidth: NA

### 7.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074 D01 V05r02 for compliance to FCC 47CFR 15.247 requirements.

### 7.4. Test Specification

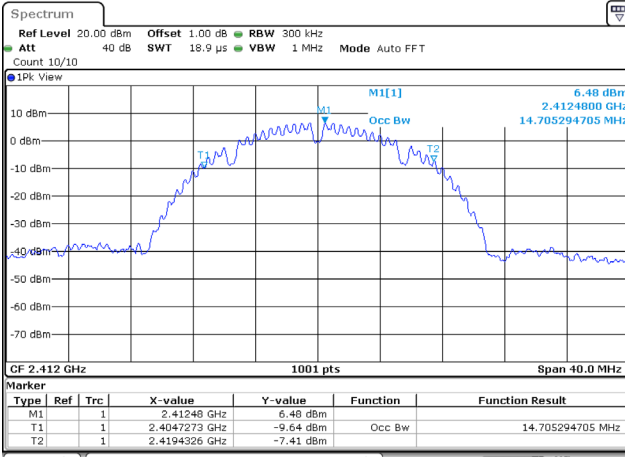
According to FCC Part 15 Subpart C Paragraph 15.247.

## 7.5. Test Result of Occupied Bandwidth

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Limit (MHz)
			Ant. 0	Ant. 1	
802.11b	1	2412	14.705	14.305	-
	6	2437	14.585	14.105	-
	11	2462	14.545	14.345	-
802.11g	1	2412	16.663	16.463	-
	6	2437	16.463	16.703	-
	11	2462	16.623	16.463	-
802.11n (20 MHz)	1	2412	17.822	17.662	-
	6	2437	17.702	17.702	-
	11	2462	17.742	17.662	-
802.11n (40 MHz)	3	2422	36.523	36.363	-
	6	2437	36.363	36.443	-
	9	2452	36.363	36.363	-

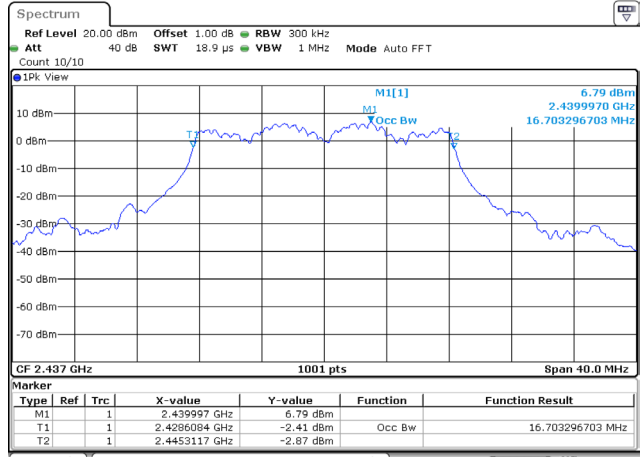
Spectrum plot of maximum value

802.11b / Ant. 0 / 2412 MHz



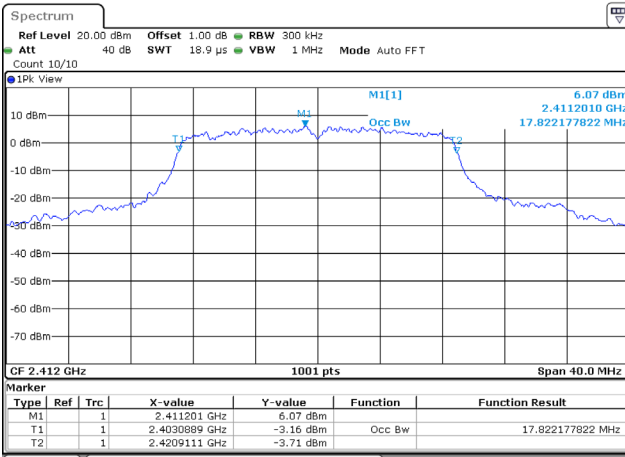
Date: 9.JUN.2022 11:54:55

802.11g / Ant. 1 / 2437 MHz



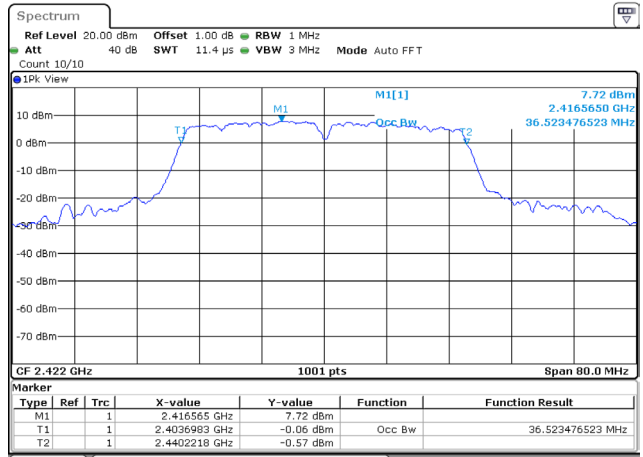
Date: 9.JUN.2022 12:58:19

802.11n (20 MHz) / Ant. 0 / 2412 MHz



Date: 9.JUN.2022 14:16:45

802.11n (40 MHz) / Ant. 0 / 2422 MHz



Date: 9.JUN.2022 14:48:24

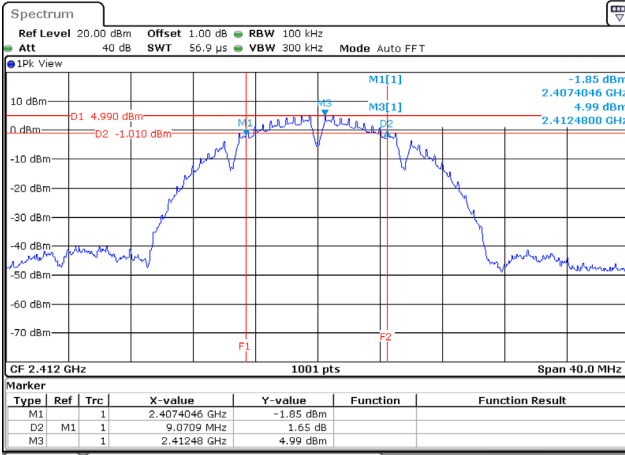


## 7.6. Test Result of DTS Bandwidth

Modulation	Channel	Frequency (MHz)	DTS Bandwidth (MHz)		Limit (MHz)	Result
			Ant. 0	Ant. 1		
802.11b	1	2412	9.070	12.067	$\geq 0.50$	Pass
	6	2437	10.109	10.030	$\geq 0.50$	Pass
	11	2462	10.109	12.028	$\geq 0.50$	Pass
802.11g	1	2412	16.343	16.063	$\geq 0.50$	Pass
	6	2437	16.303	16.343	$\geq 0.50$	Pass
	11	2462	16.303	16.063	$\geq 0.50$	Pass
802.11n (20 MHz)	1	2412	17.542	17.582	$\geq 0.50$	Pass
	6	2437	17.542	17.582	$\geq 0.50$	Pass
	11	2462	17.582	17.542	$\geq 0.50$	Pass
802.11n (40 MHz)	3	2422	36.363	36.363	$\geq 0.50$	Pass
	6	2437	36.363	36.363	$\geq 0.50$	Pass
	9	2452	36.363	36.363	$\geq 0.50$	Pass

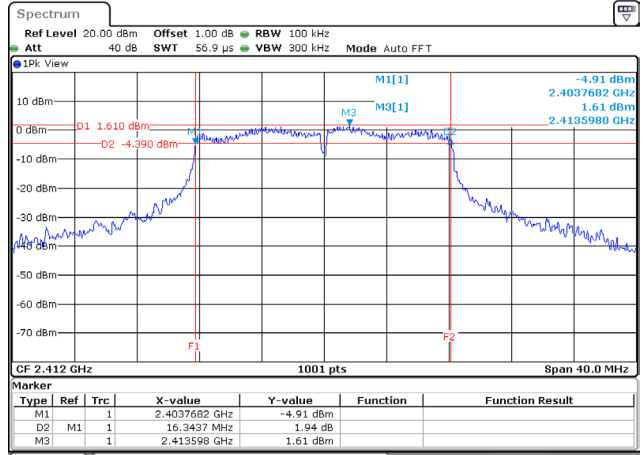
Spectrum plot of worst value

802.11b / Ant. 0 / 2412 MHz



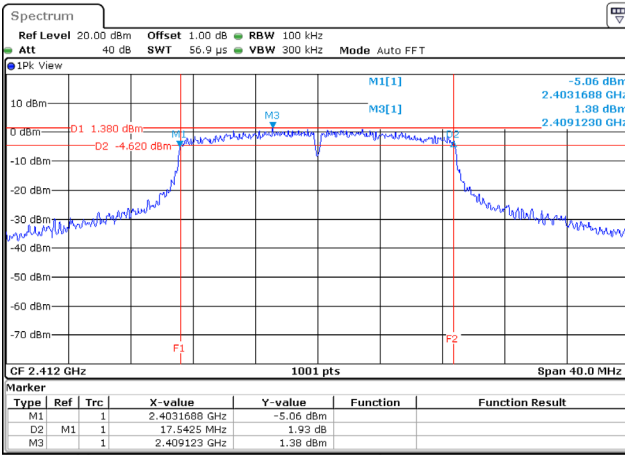
Date: 9.JUN.2022 11:54:47

802.11g / Ant. 1 / 2412 MHz



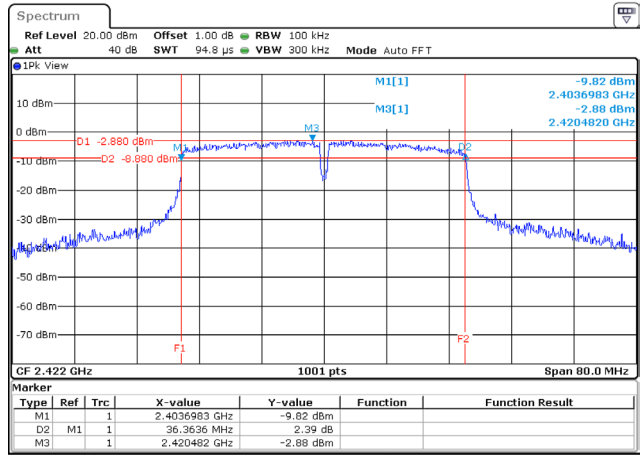
Date: 9.JUN.2022 12:44:22

802.11n (20 MHz) / Ant. 0 / 2412 MHz



Date: 9.JUN.2022 14:16:36

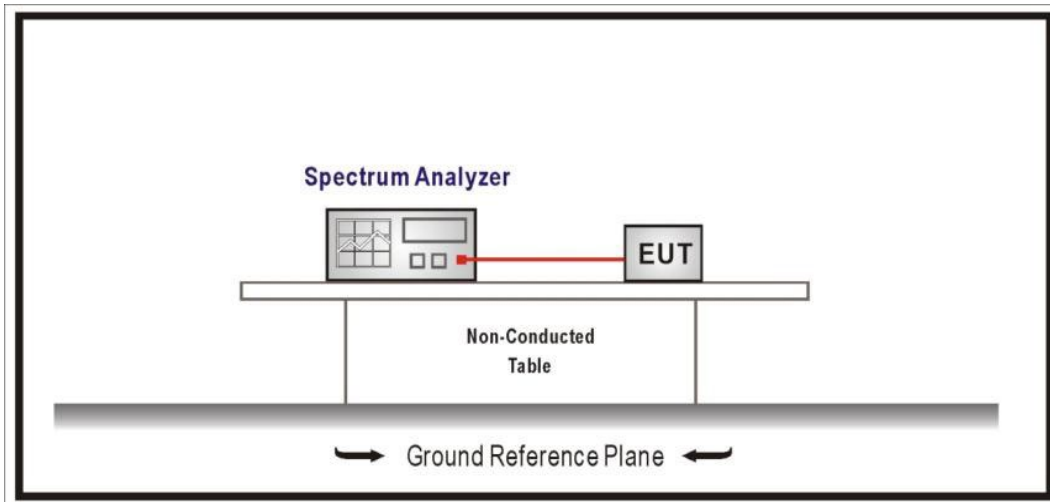
802.11n (40 MHz) / Ant. 0 / 2422 MHz



Date: 9.JUN.2022 14:48:16

## 8. Maximum Power Spectral Density

### 8.1. Test Setup



### 8.2. Test Limit

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8 dBm in any 3 kHz band during any time interval of continuous transmission.

### 8.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074 D01 V05r02 for compliance to FCC 47CFR 15.247 requirements.

### 8.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247.