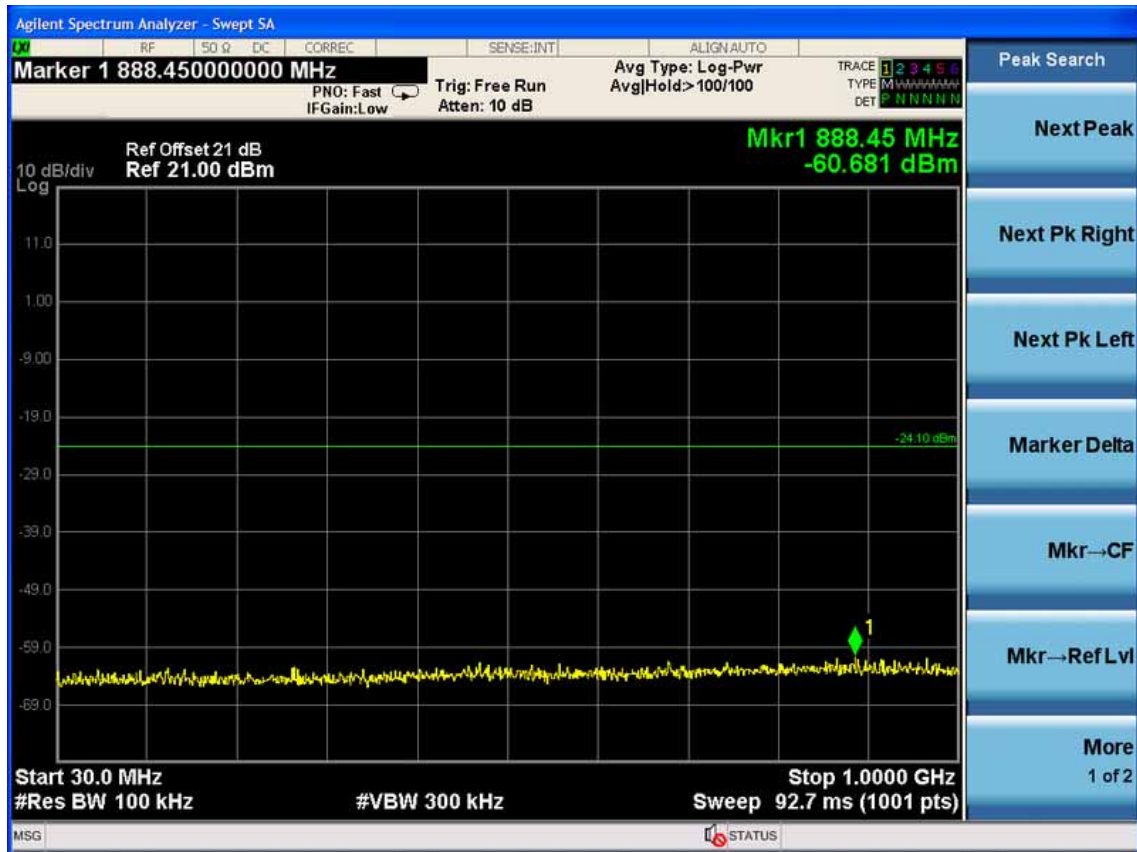
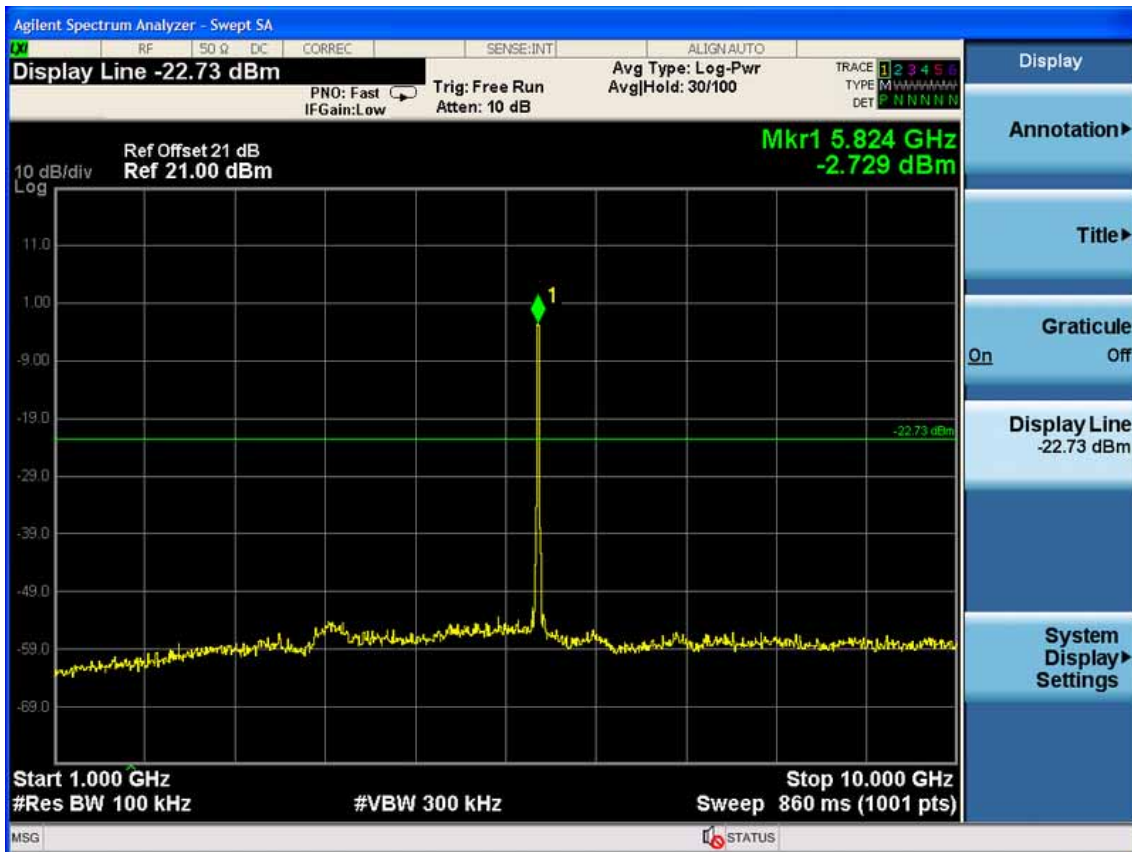
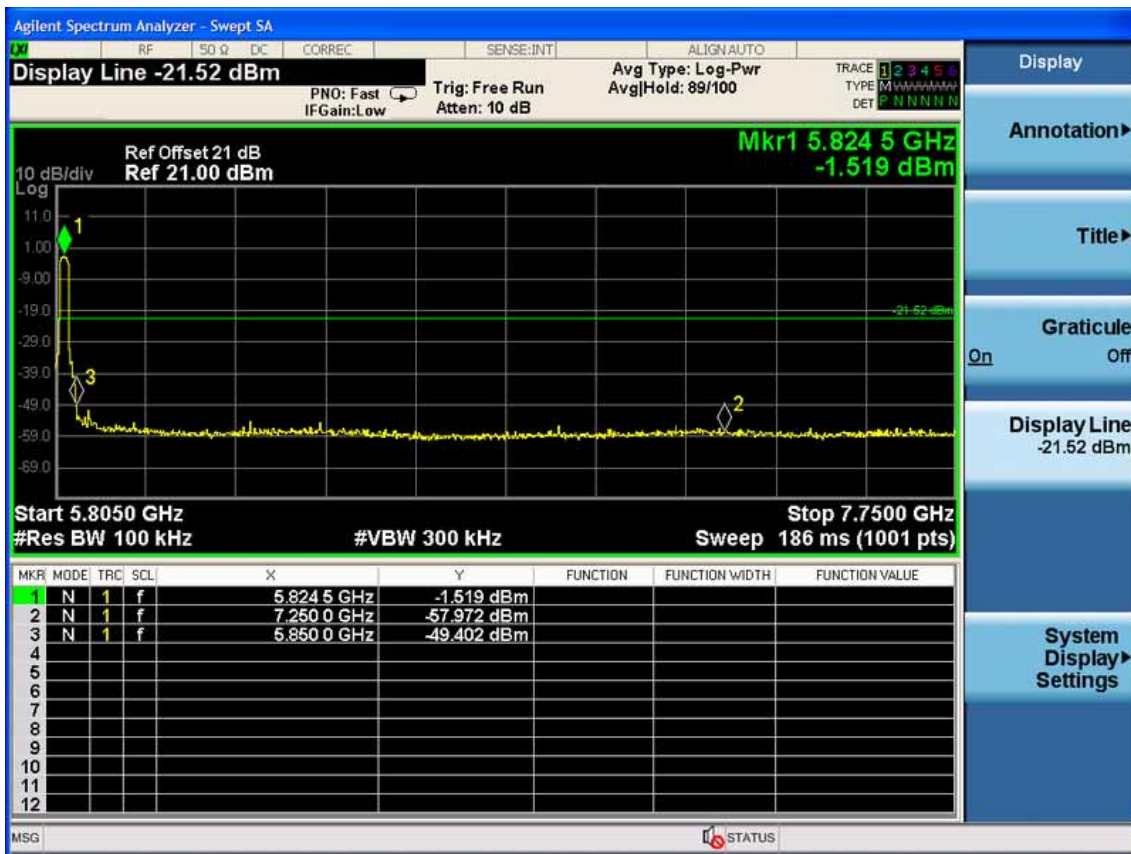


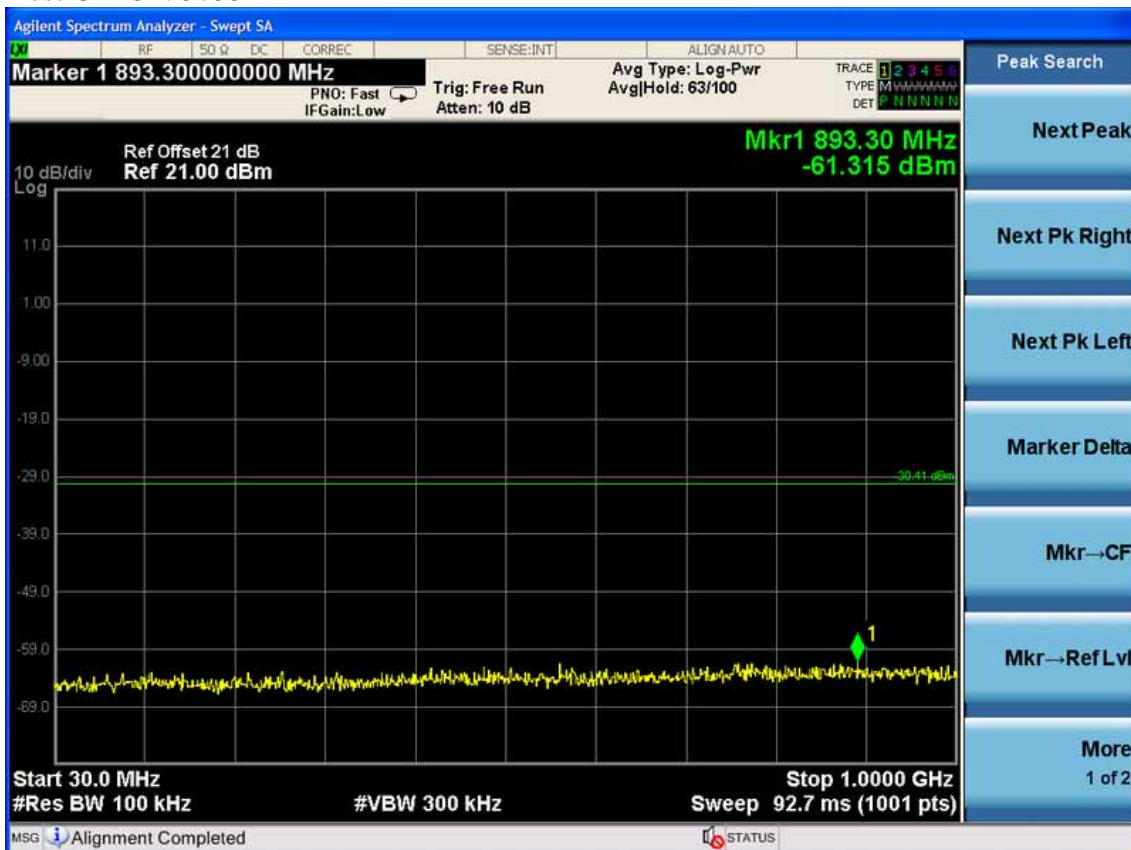
Test CH157: 5785MHz

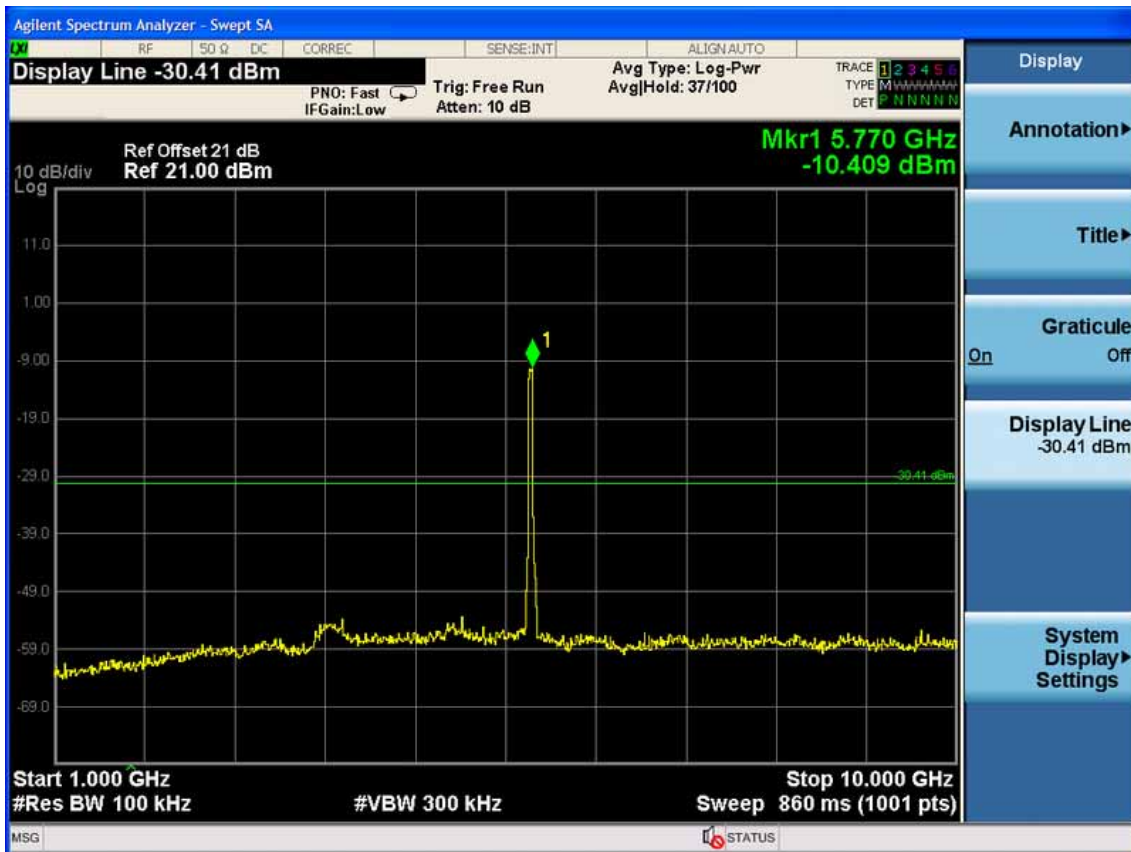






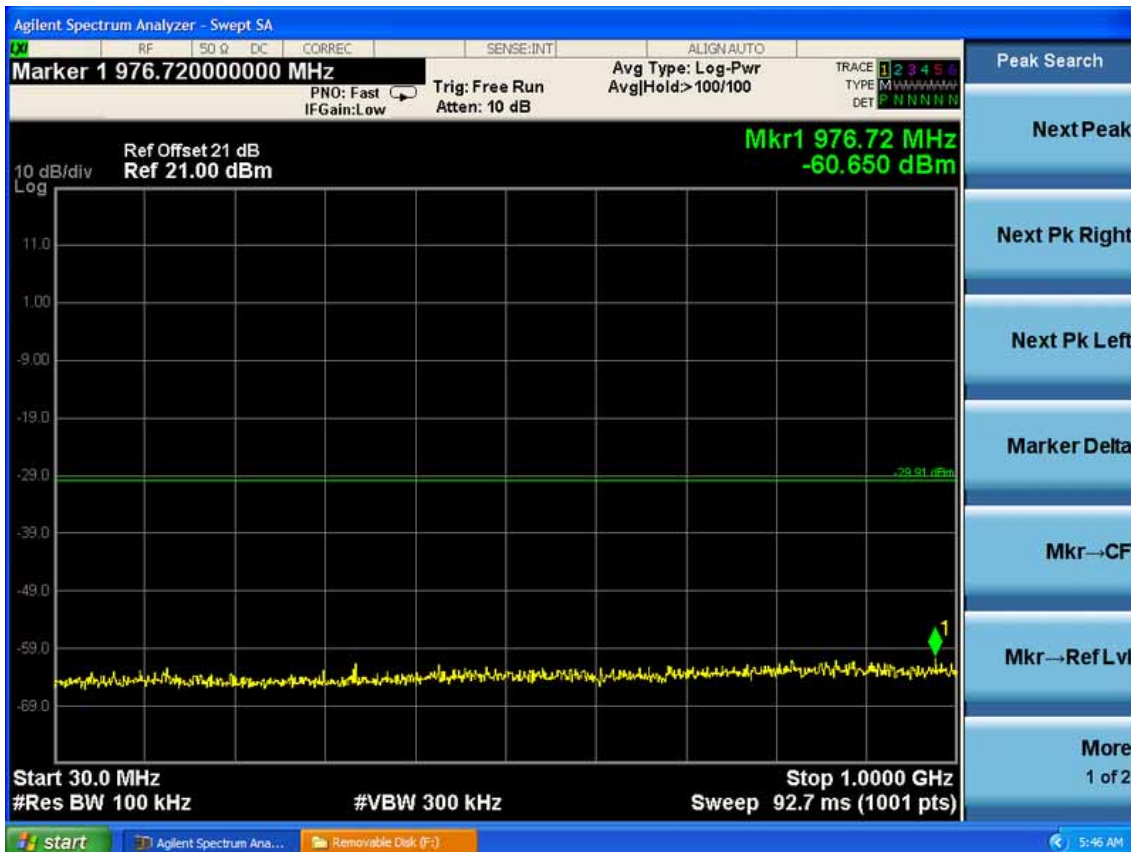
Test Mode: IEEE 802.11n HT40 TX
Test CH151: 5755MHz

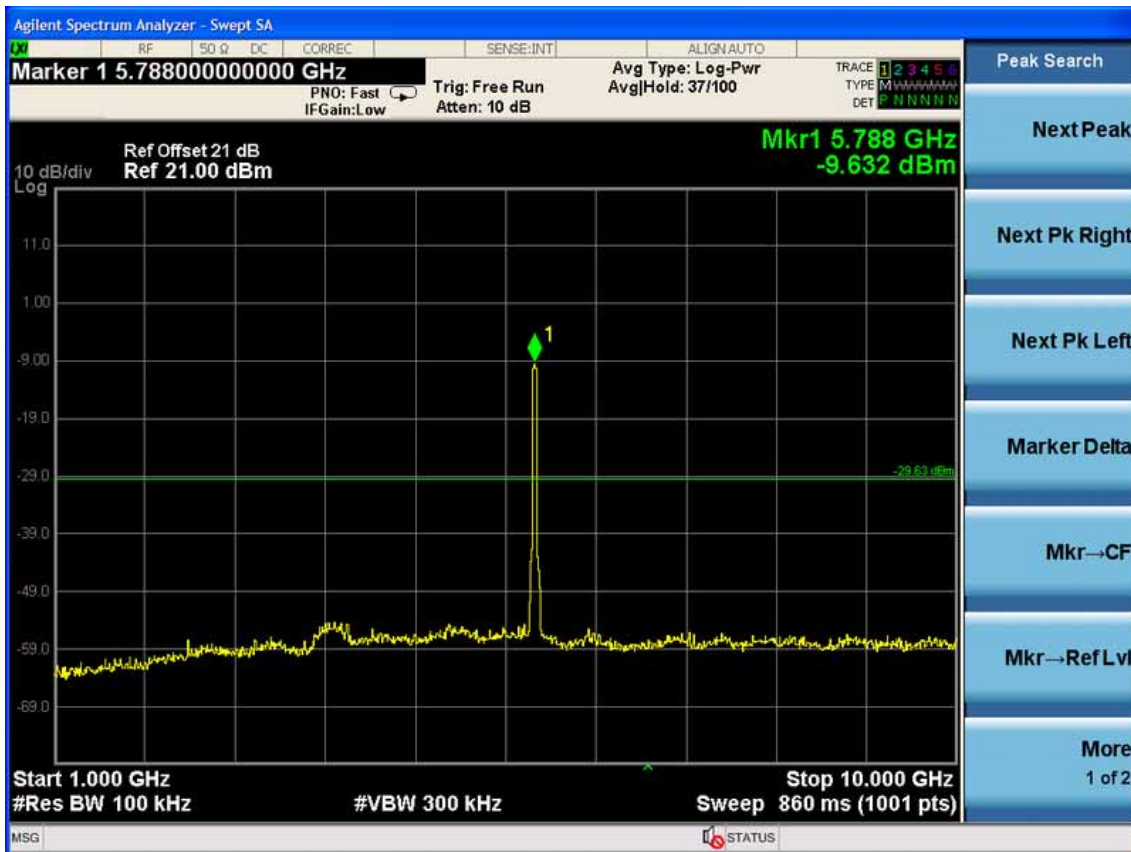
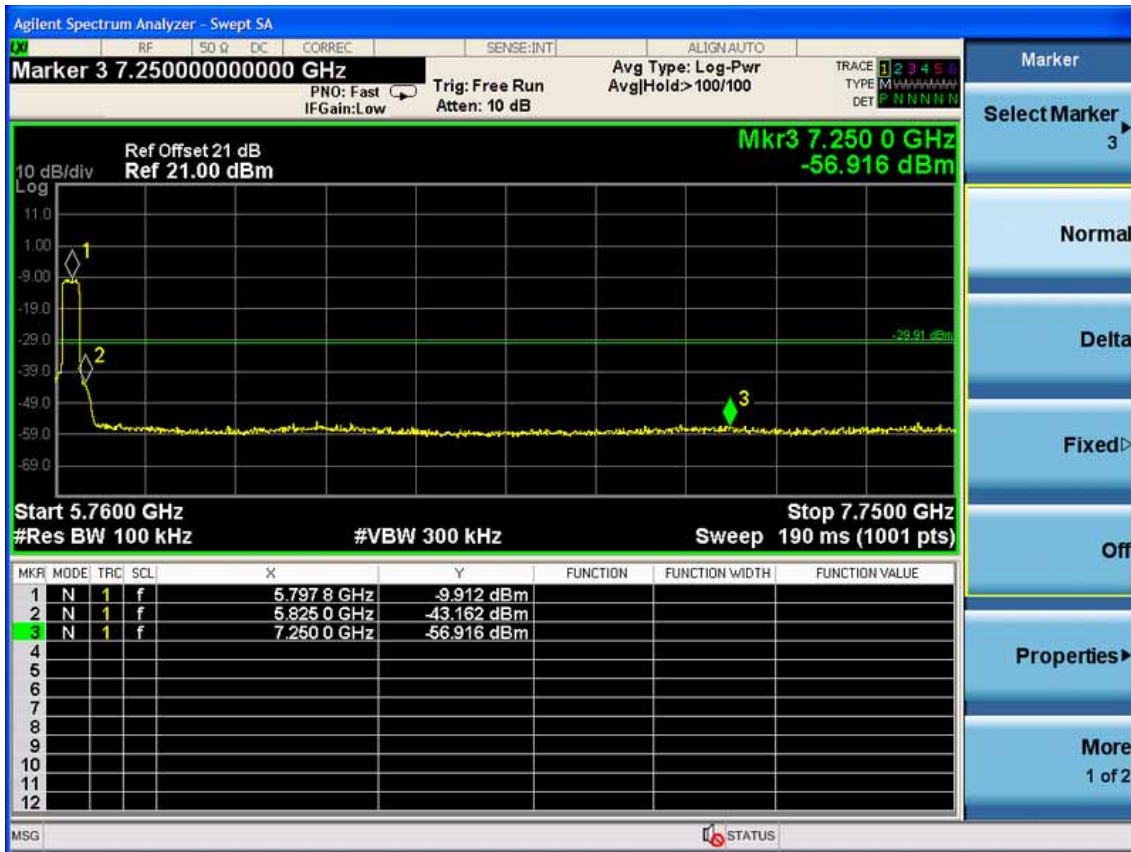






Test CH159: 5795MHz





6. BAND EDGE COMPLIANCE TEST

6.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	US44300459	May.08, 13	1 Year
2.	Amp	HP	8449B	3008A08495	May.08, 13	1 Year
3.	Horn Antenna	EMCO	3115	9510-4580	May.28, 13	1 Year
4.	HF Cable	Hubersuhne	Sucoflex104	-	May.08, 13	1 Year

6.2. Limit

All the lower and upper band-edges emissions appearing within 5.35-5.46GHz and 7.25-7.75GHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 5725MHz to 5850MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

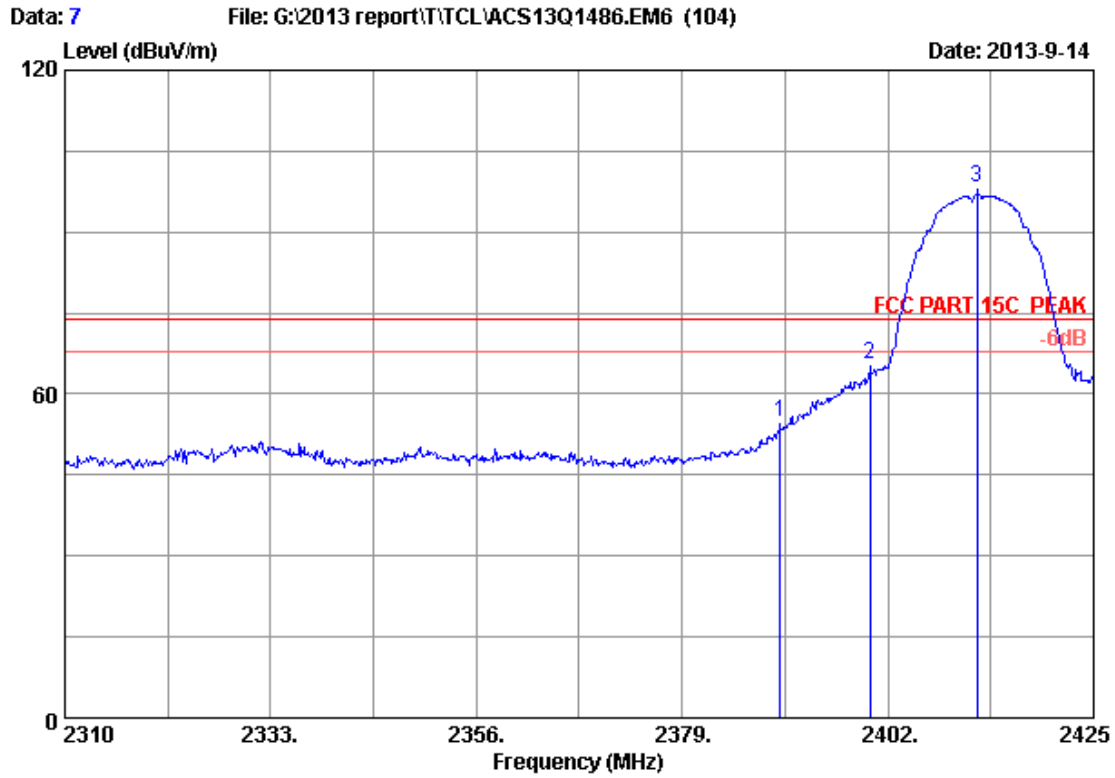
6.3. Test Produce

1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - (a) PEAK: RBW=1MHz; VBW=3MHz; Sweep=AUTO
 - (b) AVERAGE: RBW=1MHz; VBW=10Hz; Sweep=AUTO

6.4. Test Results

Pass (The testing data was attached in the next pages.)

2.4G:

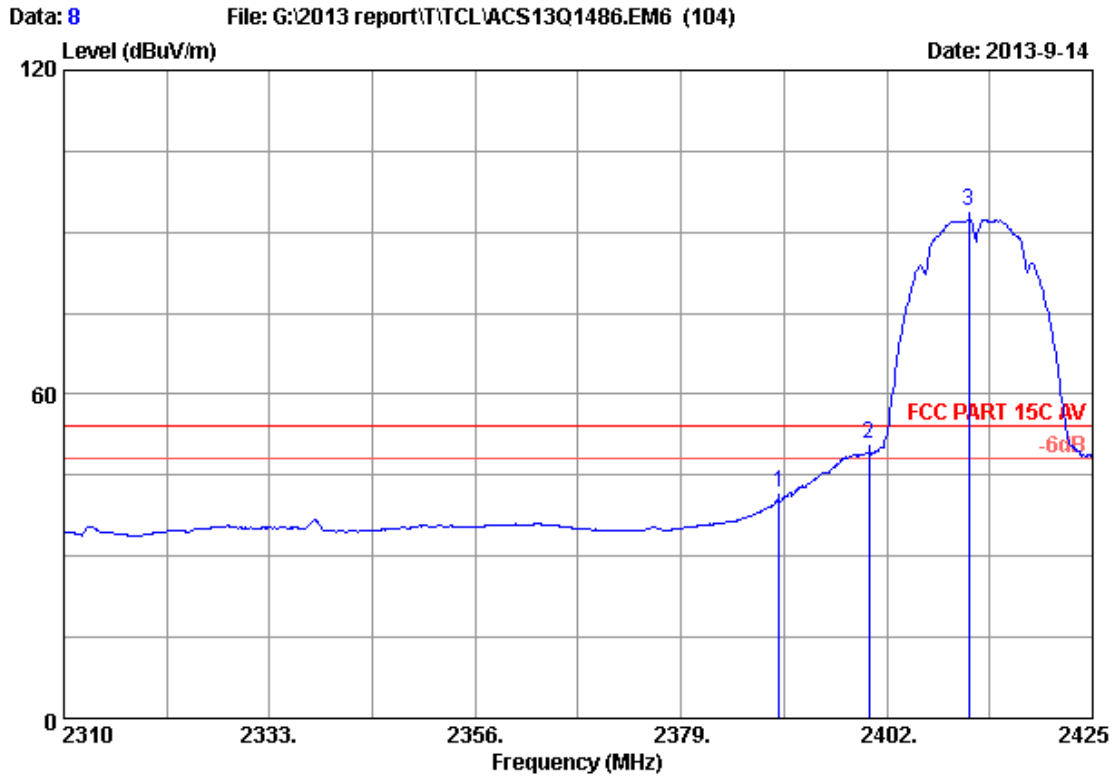


Site no. : 3m Chamber Data no. : 7
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11b 2412MHz Tx Mode
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	28.16	5.78	35.70	56.64	54.88	74.00	19.12	Peak
2	2400.000	28.18	5.80	35.70	67.15	65.43	74.00	8.57	Peak
3	2412.005	28.21	5.81	35.70	100.09	98.41	74.00	-24.41	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

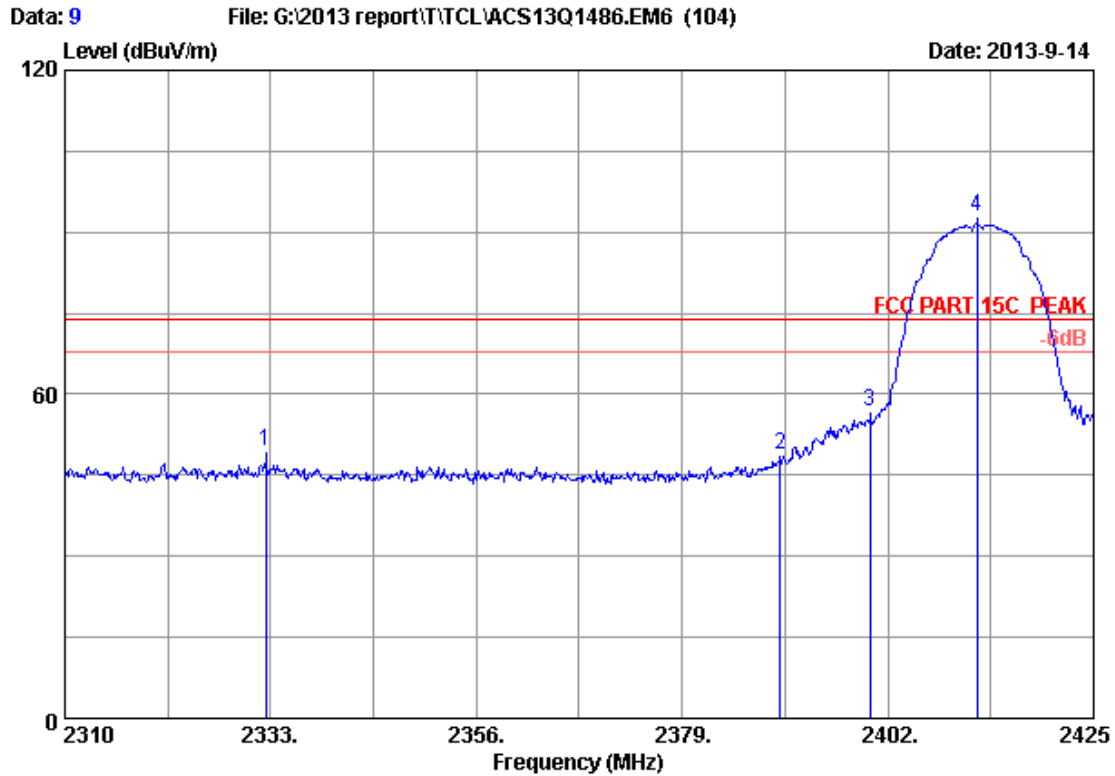


Site no. : 3m Chamber Data no. : 8
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11b 2412MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.16	5.78	35.70	43.47	41.71	54.00	12.29	Average
2	28.18	5.80	35.70	52.50	50.78	54.00	3.22	Average
3	28.20	5.81	35.70	95.48	93.79	54.00	-39.79	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

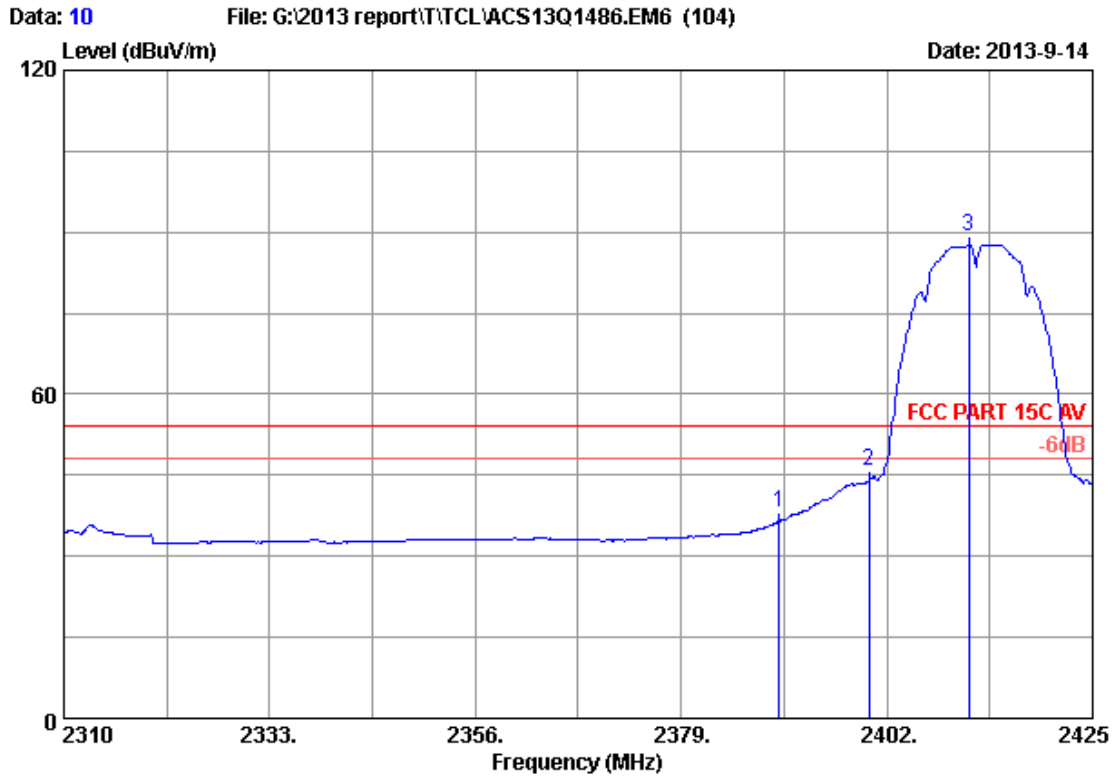


Site no. : 3m Chamber Data no. : 9
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11b 2412MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.03	5.70	35.70	51.47	49.50	74.00	24.50	Peak
2	28.16	5.78	35.70	50.45	48.69	74.00	25.31	Peak
3	28.18	5.80	35.70	58.66	56.94	74.00	17.06	Peak
4	28.21	5.81	35.70	94.64	92.96	74.00	-18.96	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

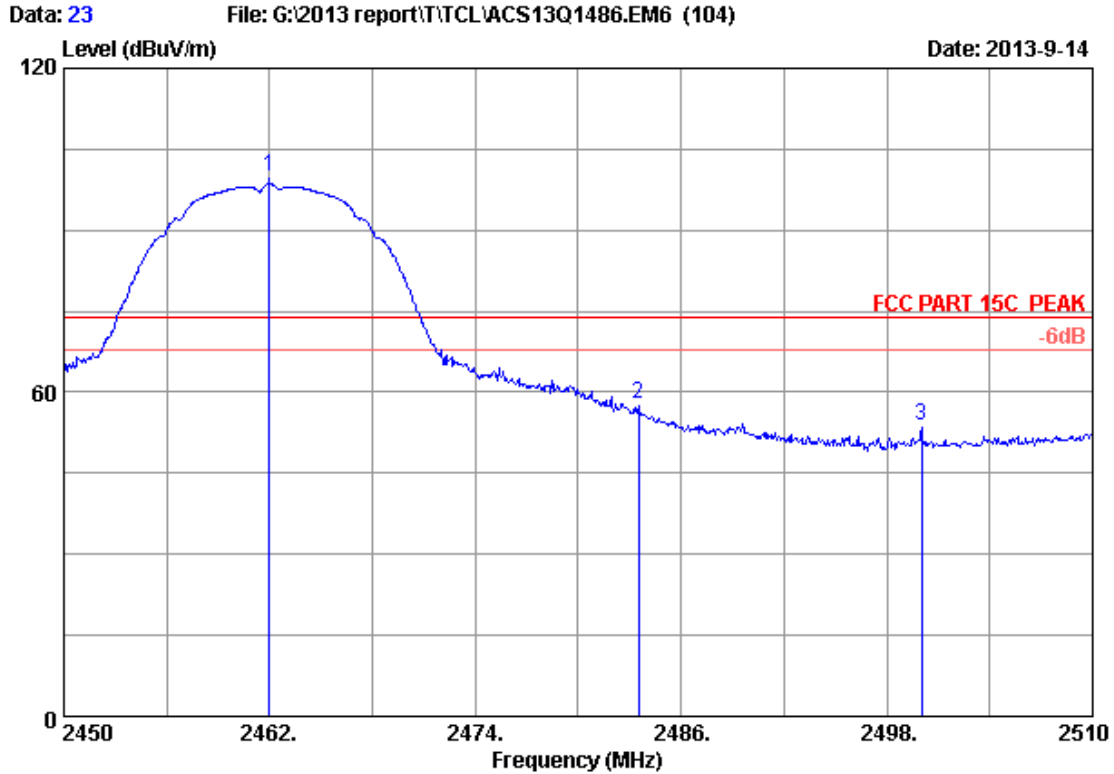


Site no. : 3m Chamber Data no. : 10
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11b 2412MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.16	5.78	35.70	39.81	38.05	54.00	15.95	Average
2	28.18	5.80	35.70	47.41	45.69	54.00	8.31	Average
3	28.20	5.81	35.70	90.82	89.13	54.00	-35.13	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

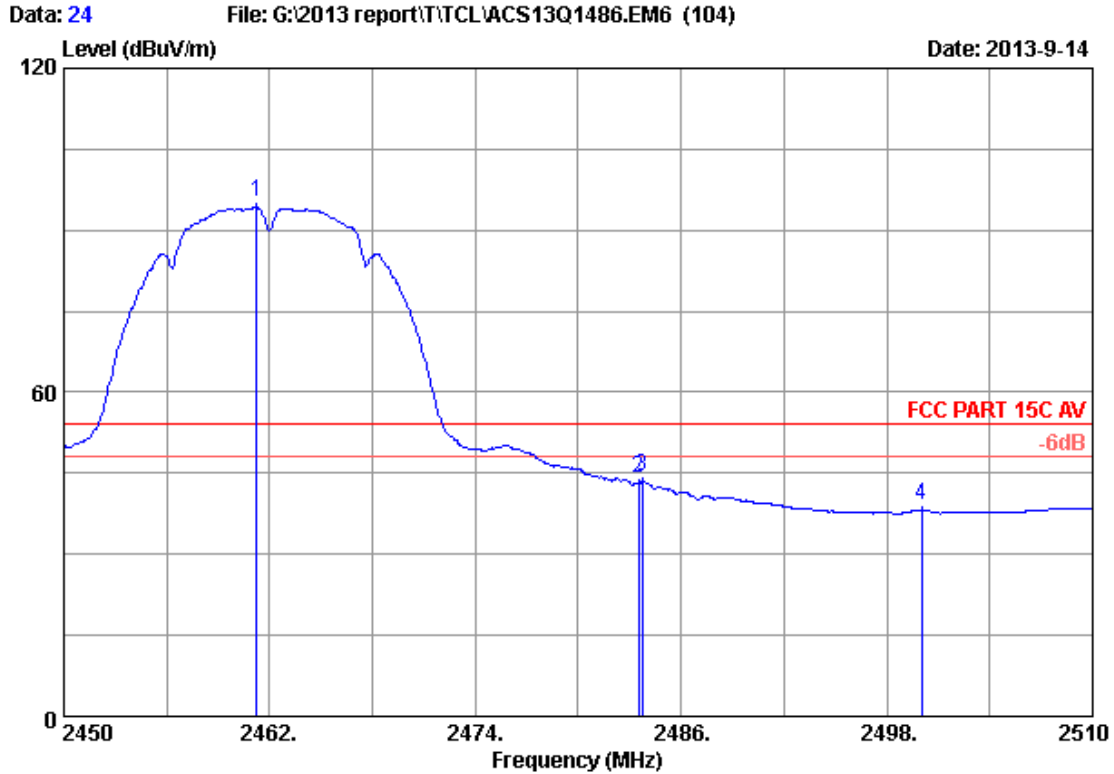


Site no. : 3m Chamber Data no. : 23
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11b 2462MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.32	5.89	35.70	101.28	99.79	74.00	-25.79	Peak
2	28.36	5.92	35.70	59.35	57.93	74.00	16.07	Peak
3	28.40	5.94	35.70	55.19	53.83	74.00	20.17	Peak

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

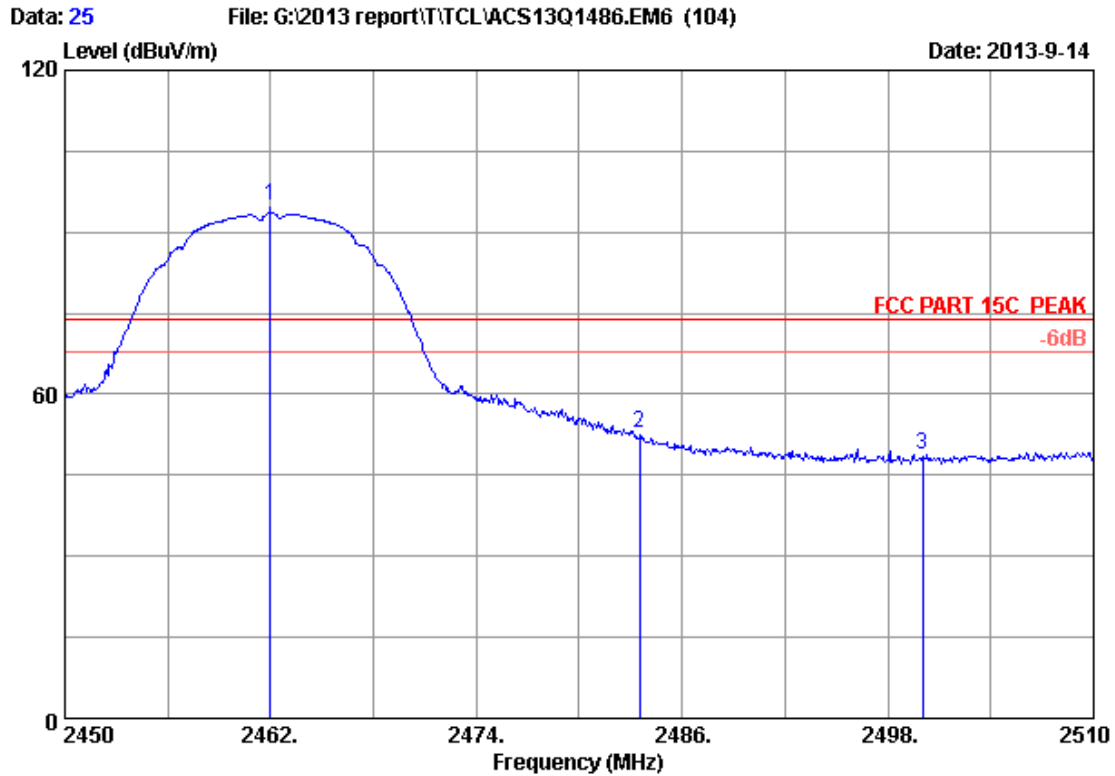


Site no. : 3m Chamber Data no. : 24
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11b 2462MHz Tx Mode
 WAE22-DF01-AR

	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2461.220	28.31	5.89	35.70	96.87	95.37	54.00	-41.37	Average	
2 2483.500	28.36	5.92	35.70	45.53	44.11	54.00	9.89	Average	
3 2483.720	28.36	5.92	35.70	45.87	44.45	54.00	9.55	Average	
4 2500.000	28.40	5.94	35.70	40.58	39.22	54.00	14.78	Average	

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

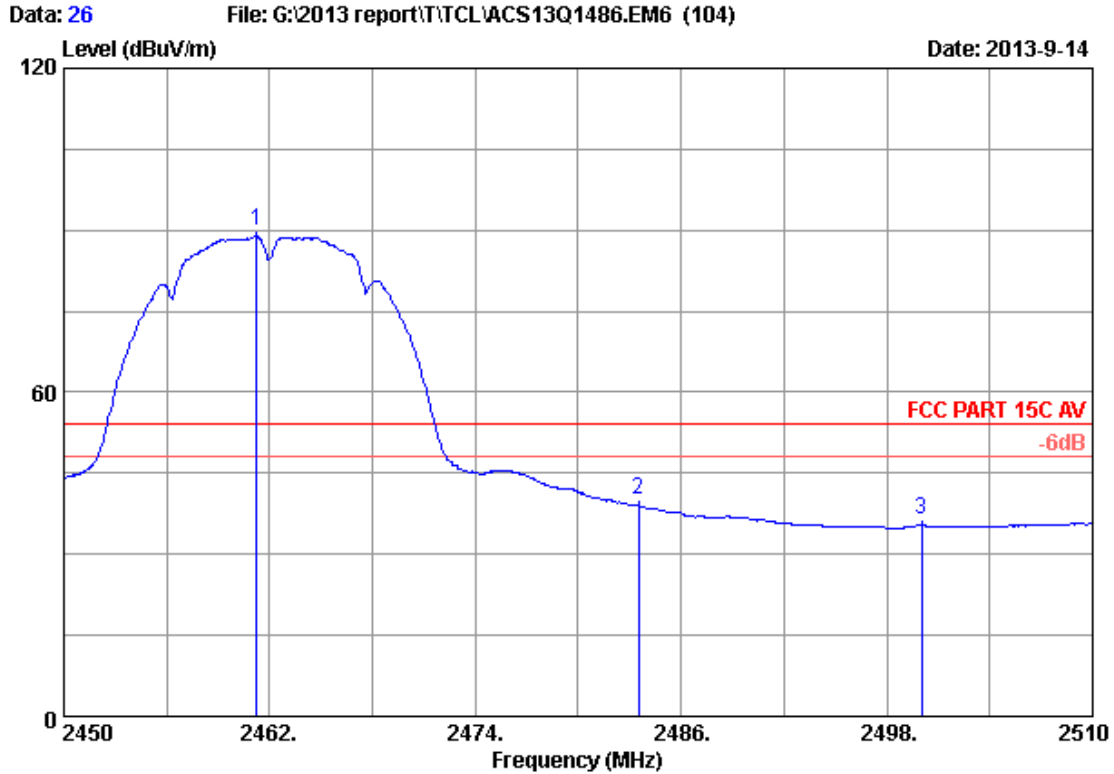


Site no. : 3m Chamber Data no. : 25
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11b 2462MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.32	5.89	35.70	96.39	94.90	74.00	-20.90	Peak
2	28.36	5.92	35.70	54.33	52.91	74.00	21.09	Peak
3	28.40	5.94	35.70	50.14	48.78	74.00	25.22	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

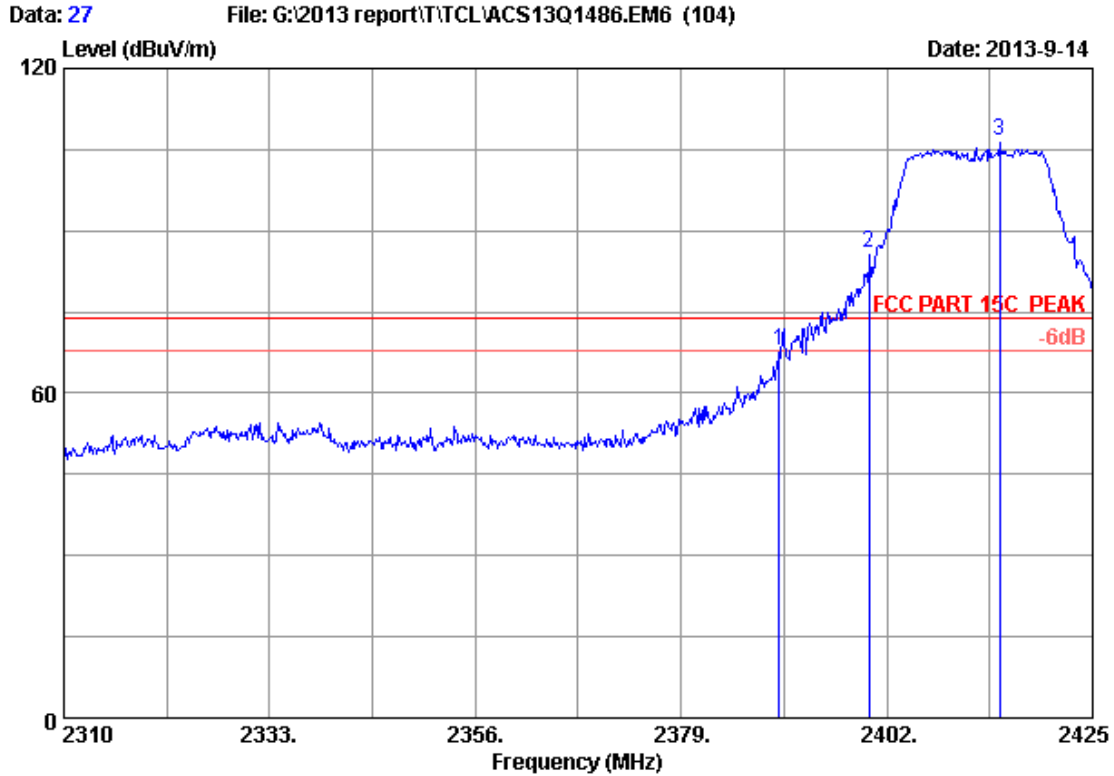


Site no. : 3m Chamber Data no. : 26
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11b 2462MHz Tx Mode
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.220	28.31	5.89	35.70	91.44	89.94	54.00	-35.94	Average
2	2483.500	28.36	5.92	35.70	41.48	40.06	54.00	13.94	Average
3	2500.000	28.40	5.94	35.70	37.65	36.29	54.00	17.71	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



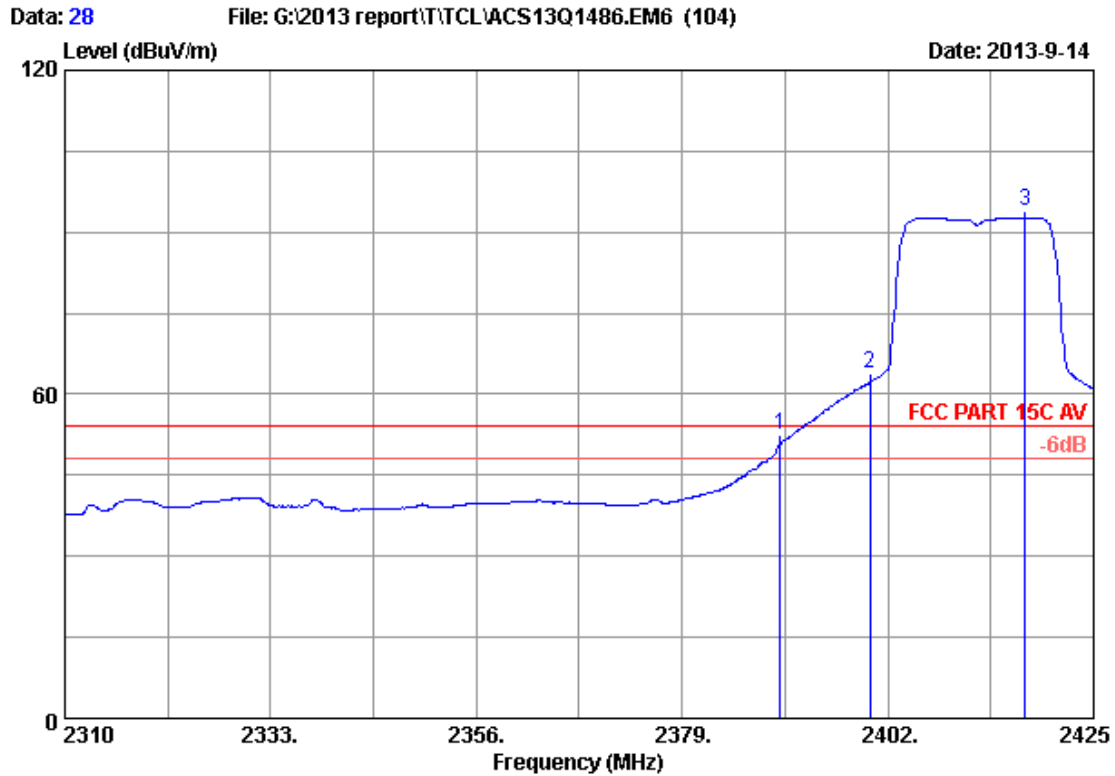
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Site no.      : 3m Chamber           Data no.   : 27
Dis. / Ant.  : 3m 2013 3115 (4580)  Ant. pol.  : HORIZONTAL
Limit        : FCC PART 15C PEAK
Env. / Ins.  : 23*C/54%             Engineer   : Kevin_Hu
EUT          : WIFI Module
Power supply : DC 5V
Test mode    : IEEE802.11g 2412MHz Tx Mode
                WAE22-DF01-AR
    
```

	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2390.000	28.16	5.78	35.70	69.61	67.85	74.00	6.15	Peak	
2 2400.000	28.18	5.80	35.70	87.54	85.82	74.00	-11.82	Peak	
3 2414.650	28.21	5.82	35.70	108.18	106.51	74.00	-32.51	Peak	

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

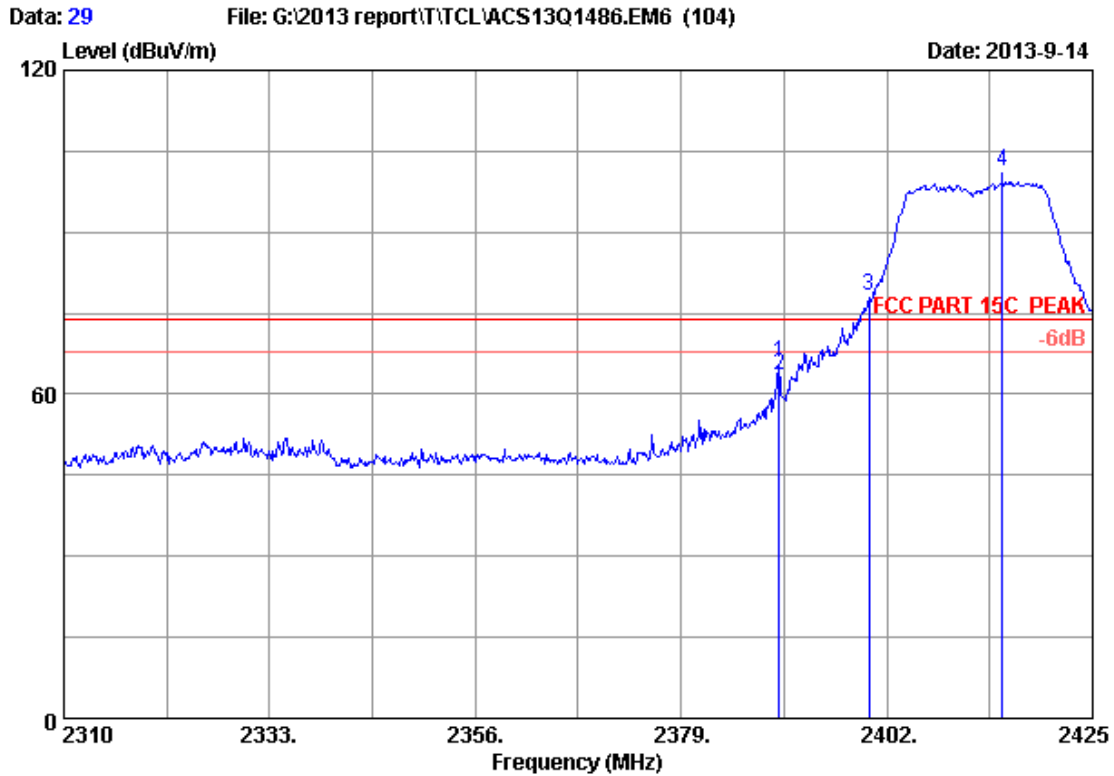


Site no. : 3m Chamber Data no. : 28
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11g 2412MHz Tx Mode
 WAE22-DF01-AR

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 2390.000	28.16	5.78	35.70	54.32	52.56	54.00	1.44	Average
2 2400.000	28.18	5.80	35.70	65.49	63.77	54.00	-9.77	Average
3 2417.295	28.22	5.82	35.70	95.74	94.08	54.00	-40.08	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



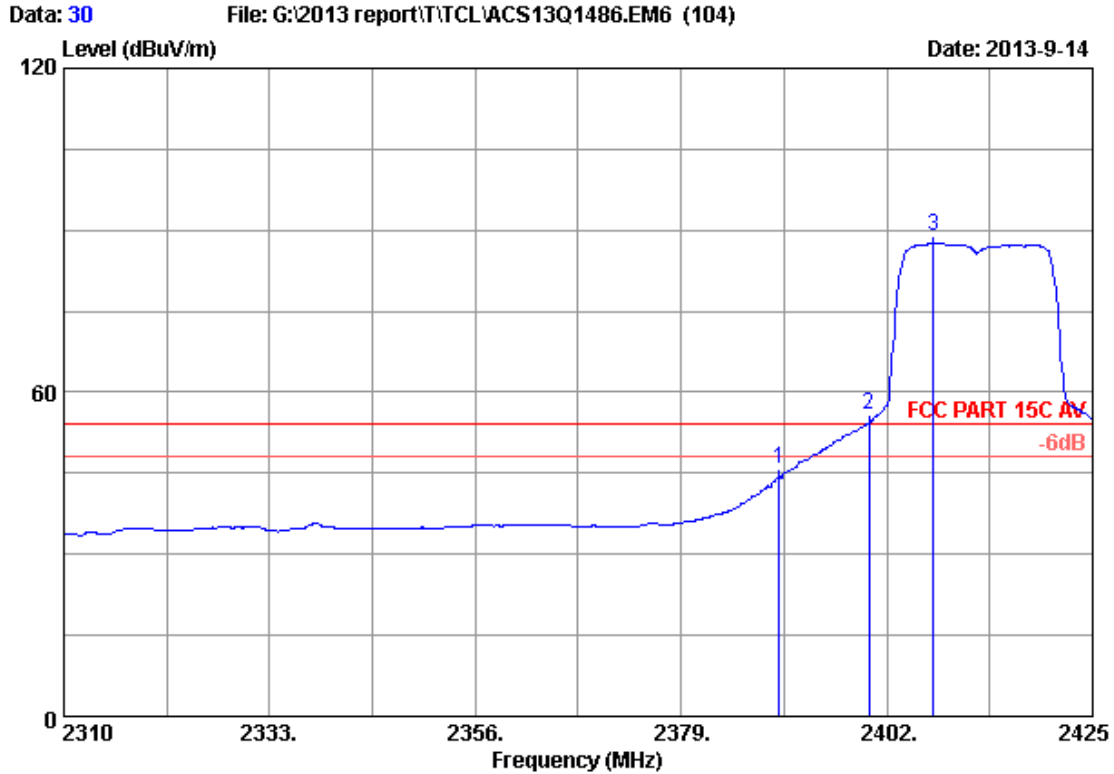
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Site no.       : 3m Chamber                Data no.   : 29
Dis. / Ant.   : 3m 2013 3115 (4580)       Ant. pol.  : VERTICAL
Limit         : FCC PART 15C PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Kevin_Hu
EUT           : WIFI Module
Power supply  : DC 5V
Test mode     : IEEE802.11g 2412MHz Tx Mode
               WAE22-DF01-AR
    
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2389.925	28.16	5.78	35.70	67.66	65.90	74.00	8.10	Peak
2	2390.000	28.16	5.78	35.70	65.36	63.60	74.00	10.40	Peak
3	2400.000	28.18	5.80	35.70	80.01	78.29	74.00	-4.29	Peak
4	2414.880	28.21	5.82	35.70	102.94	101.27	74.00	-27.27	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

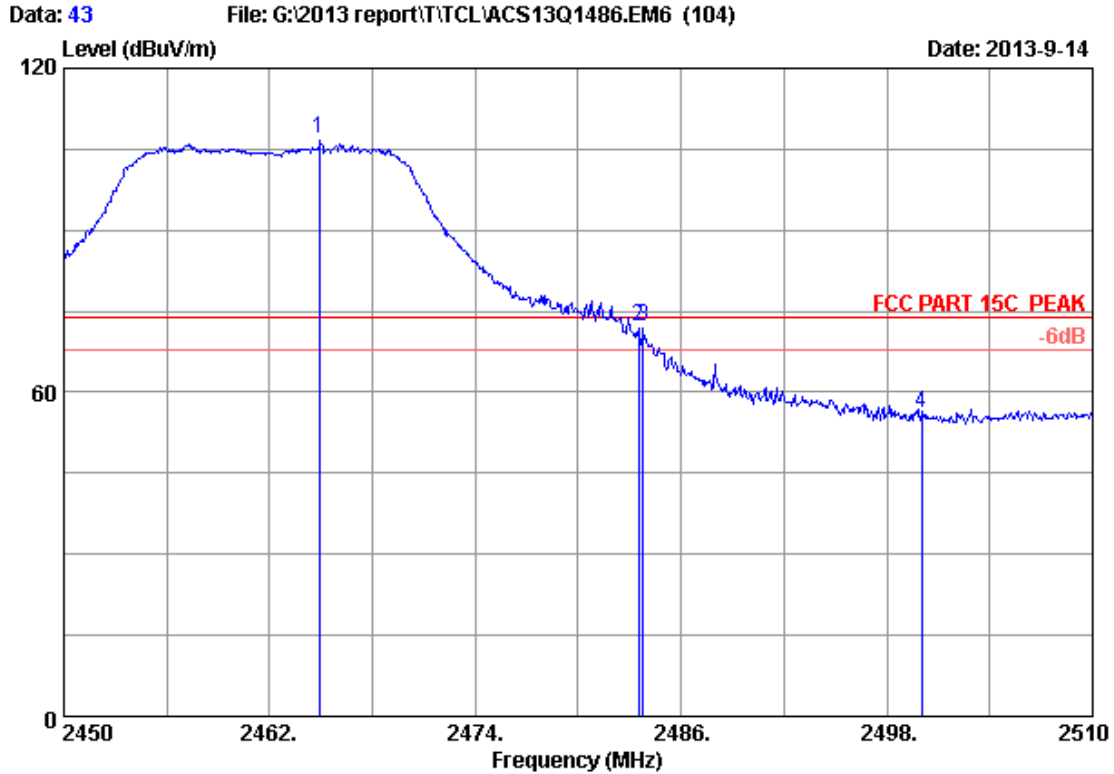


Site no. : 3m Chamber Data no. : 30
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11g 2412MHz Tx Mode
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	28.16	5.78	35.70	47.48	45.72	54.00	8.28	Average
2	2400.000	28.18	5.80	35.70	57.57	55.85	54.00	-1.85	Average
3	2407.175	28.20	5.81	35.70	90.60	88.91	54.00	-34.91	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

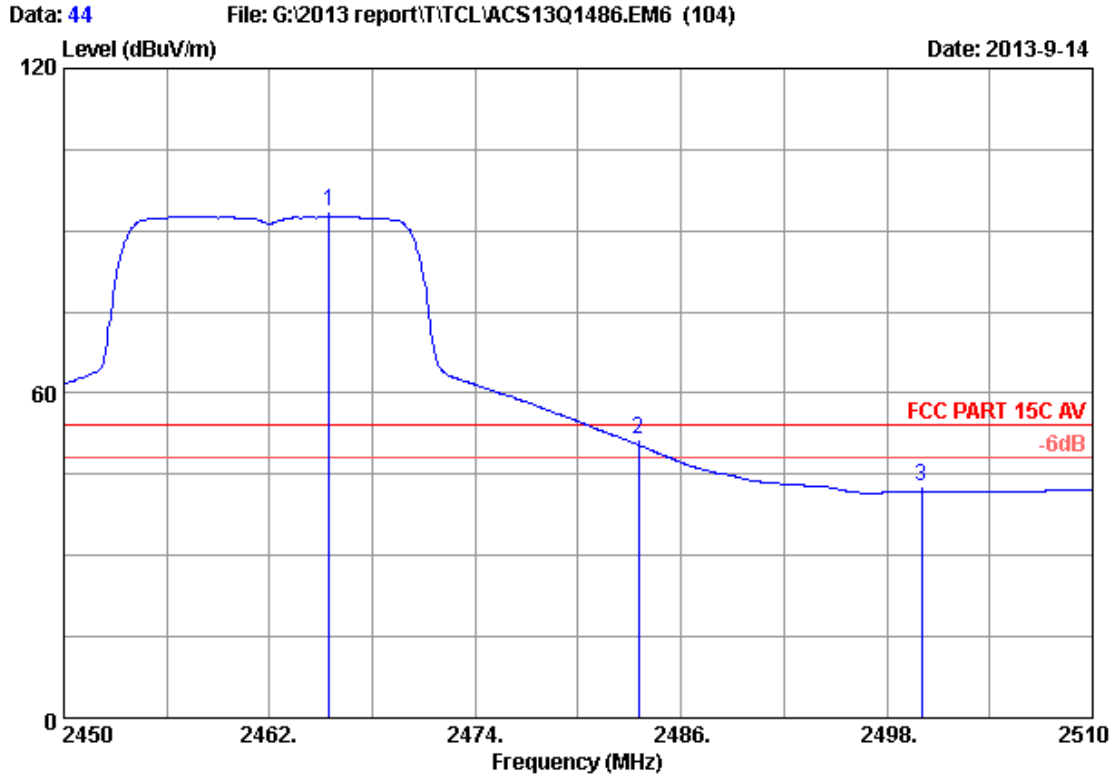


Site no. : 3m Chamber Data no. : 43
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11g 2462MHz Tx Mode
 WAE22-DF01-AR

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 2464.880	28.32	5.89	35.70	108.59	107.10	74.00	-33.10	Peak
2 2483.500	28.36	5.92	35.70	73.53	72.11	74.00	1.89	Peak
3 2483.780	28.36	5.92	35.70	73.73	72.31	74.00	1.69	Peak
4 2500.000	28.40	5.94	35.70	57.43	56.07	74.00	17.93	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

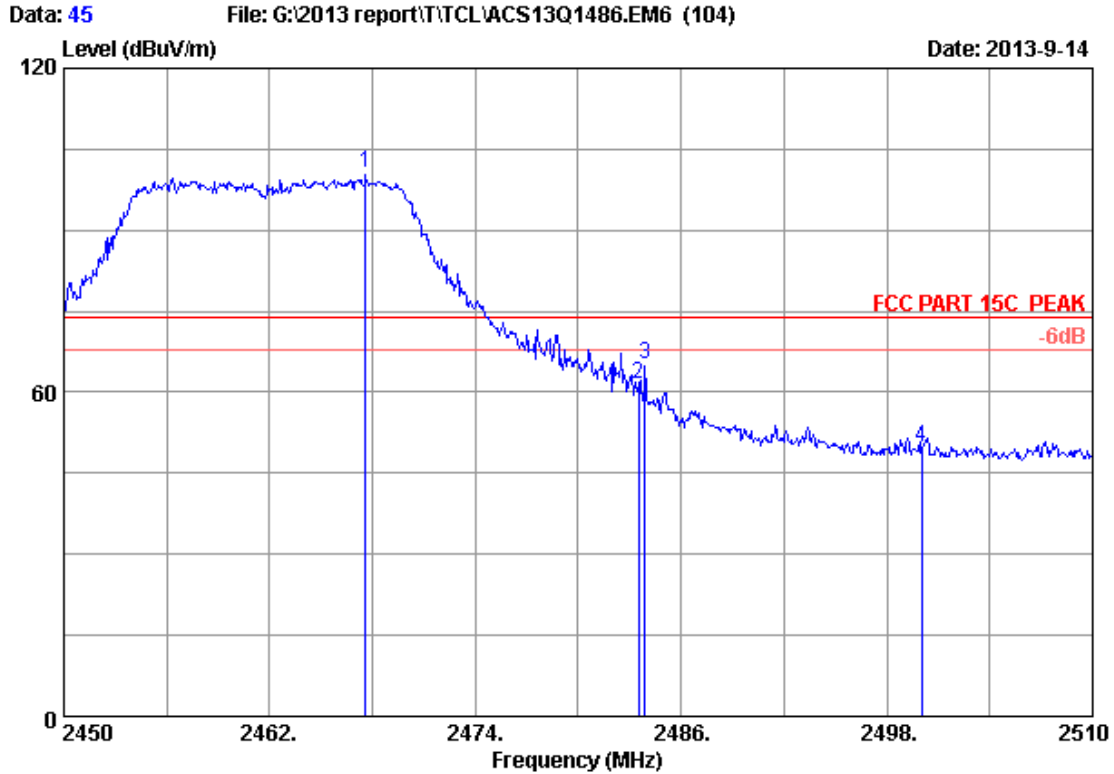


Site no. : 3m Chamber Data no. : 44
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23*C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11g 2462MHz Tx Mode
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2465.480	28.32	5.89	35.70	95.21	93.72	54.00	-39.72	Average
2	2483.500	28.36	5.92	35.70	53.01	51.59	54.00	2.41	Average
3	2500.000	28.40	5.94	35.70	44.11	42.75	54.00	11.25	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

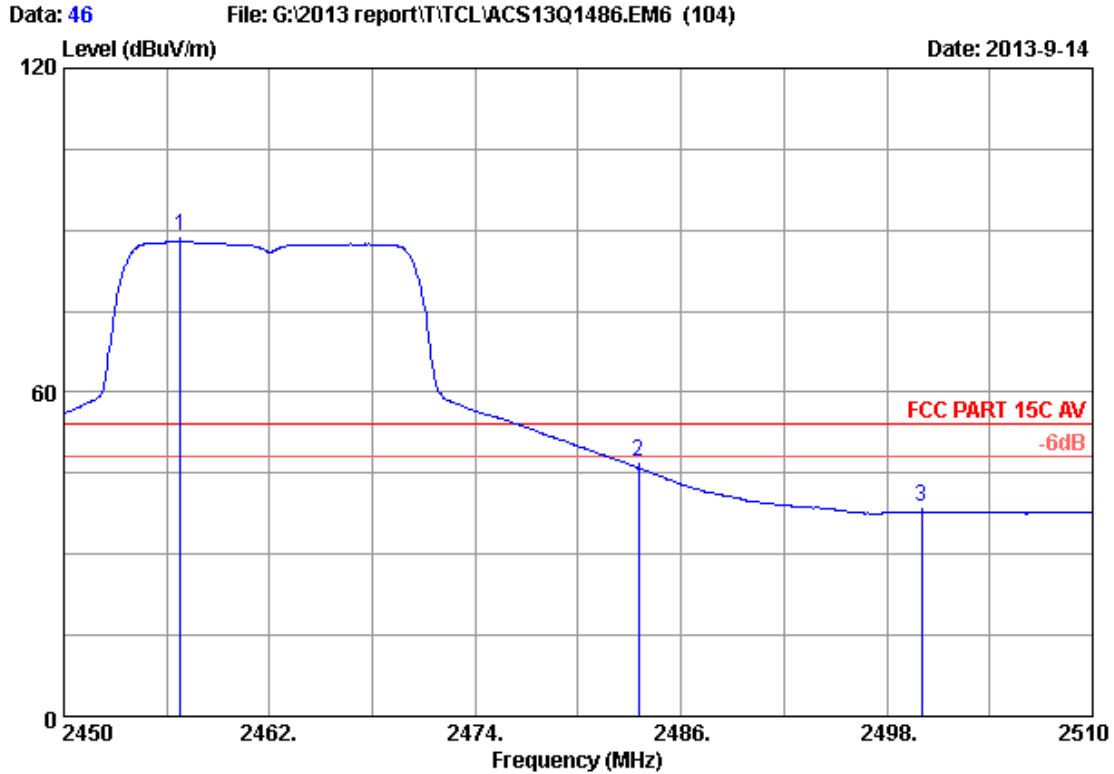


Site no. : 3m Chamber Data no. : 45
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11g 2462MHz Tx Mode
 WAE22-DF01-AR

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 2467.580	28.33	5.90	35.70	102.17	100.70	74.00	-26.70	Peak
2 2483.500	28.36	5.92	35.70	62.88	61.46	74.00	12.54	Peak
3 2483.900	28.36	5.92	35.70	66.49	65.07	74.00	8.93	Peak
4 2500.000	28.40	5.94	35.70	51.22	49.86	74.00	24.14	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

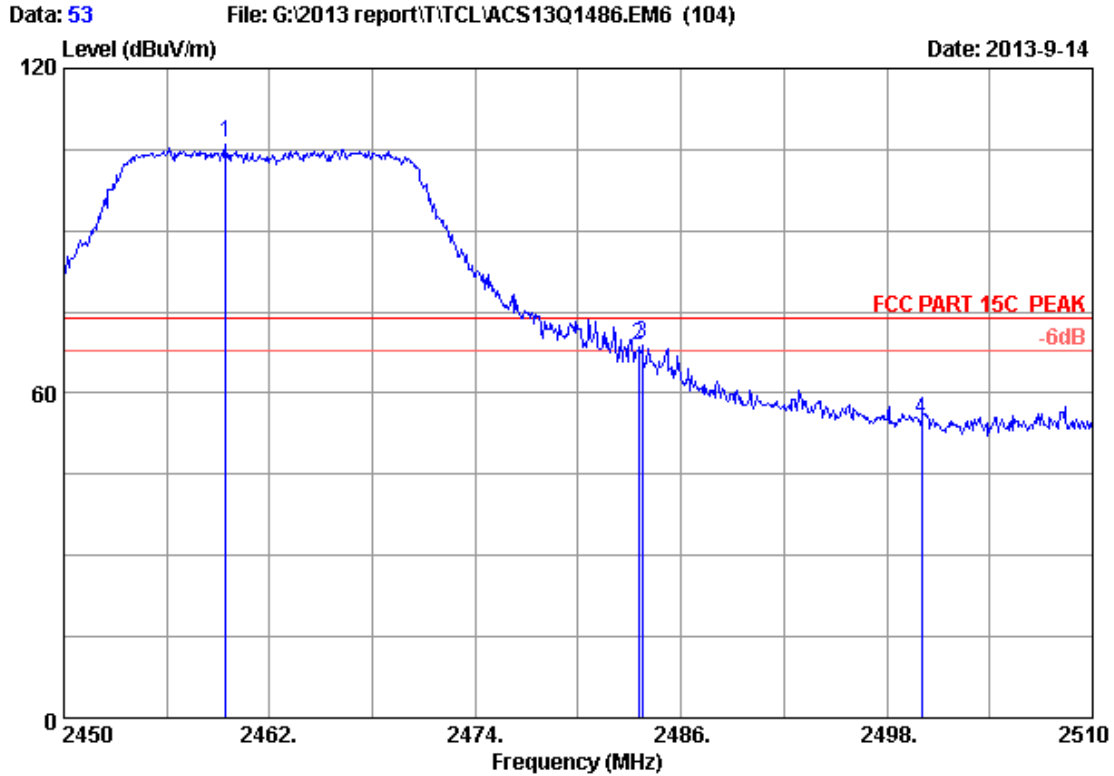


Site no. : 3m Chamber Data no. : 46
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11g 2462MHz Tx Mode
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2456.780	28.30	5.88	35.70	90.55	89.03	54.00	-35.03	Average
2	2483.500	28.36	5.92	35.70	48.41	46.99	54.00	7.01	Average
3	2500.000	28.40	5.94	35.70	40.03	38.67	54.00	15.33	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

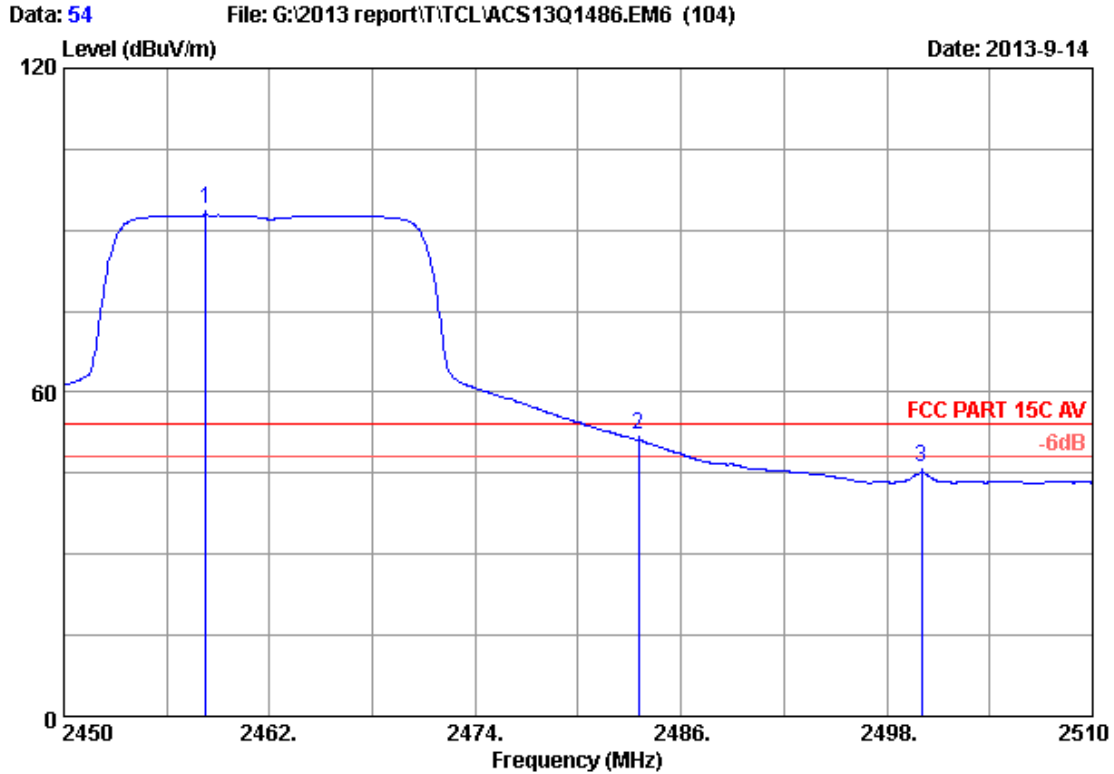


Site no. : 3m Chamber Data no. : 53
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 2462MHz Tx Mode
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2459.420	28.31	5.88	35.70	107.89	106.38	74.00	-32.38	Peak
2	2483.500	28.36	5.92	35.70	70.19	68.77	74.00	5.23	Peak
3	2483.720	28.36	5.92	35.70	70.56	69.14	74.00	4.86	Peak
4	2500.000	28.40	5.94	35.70	56.61	55.25	74.00	18.75	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

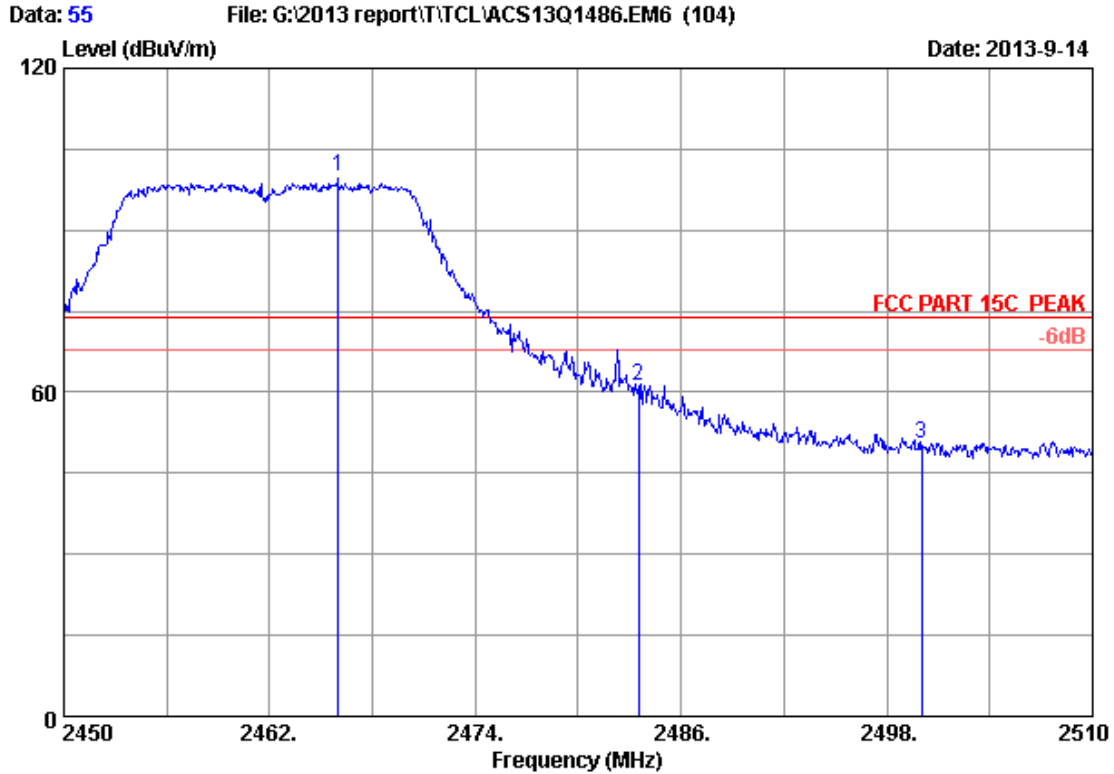


Site no. : 3m Chamber Data no. : 54
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 2462MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.31	5.88	35.70	95.45	93.94	54.00	-39.94	Average
2	28.36	5.92	35.70	53.61	52.19	54.00	1.81	Average
3	28.40	5.94	35.70	47.38	46.02	54.00	7.98	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

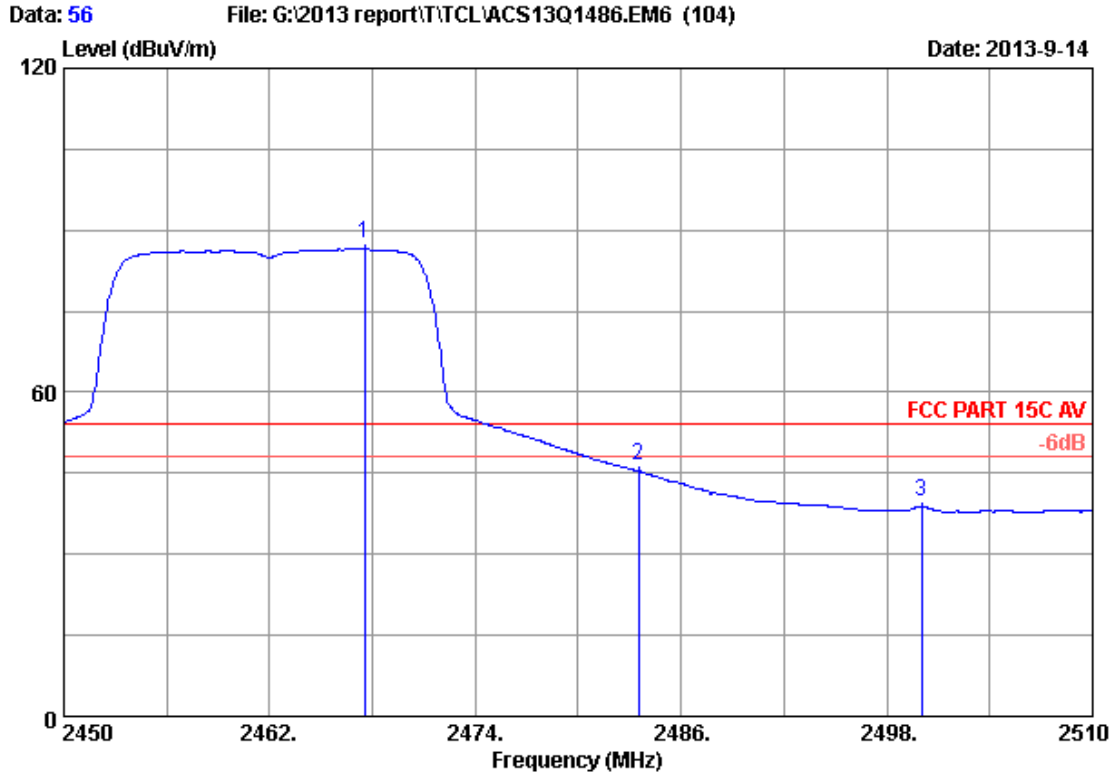


Site no. : 3m Chamber Data no. : 55
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 2462MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor	Cable loss	Amp. Factor	Reading	Emission Level	Limits	Margin	Remark
Freq. (MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 2466.020	28.33	5.89	35.70	101.43	99.95	74.00	-25.95	Peak
2 2483.500	28.36	5.92	35.70	62.55	61.13	74.00	12.87	Peak
3 2500.000	28.40	5.94	35.70	51.67	50.31	74.00	23.69	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

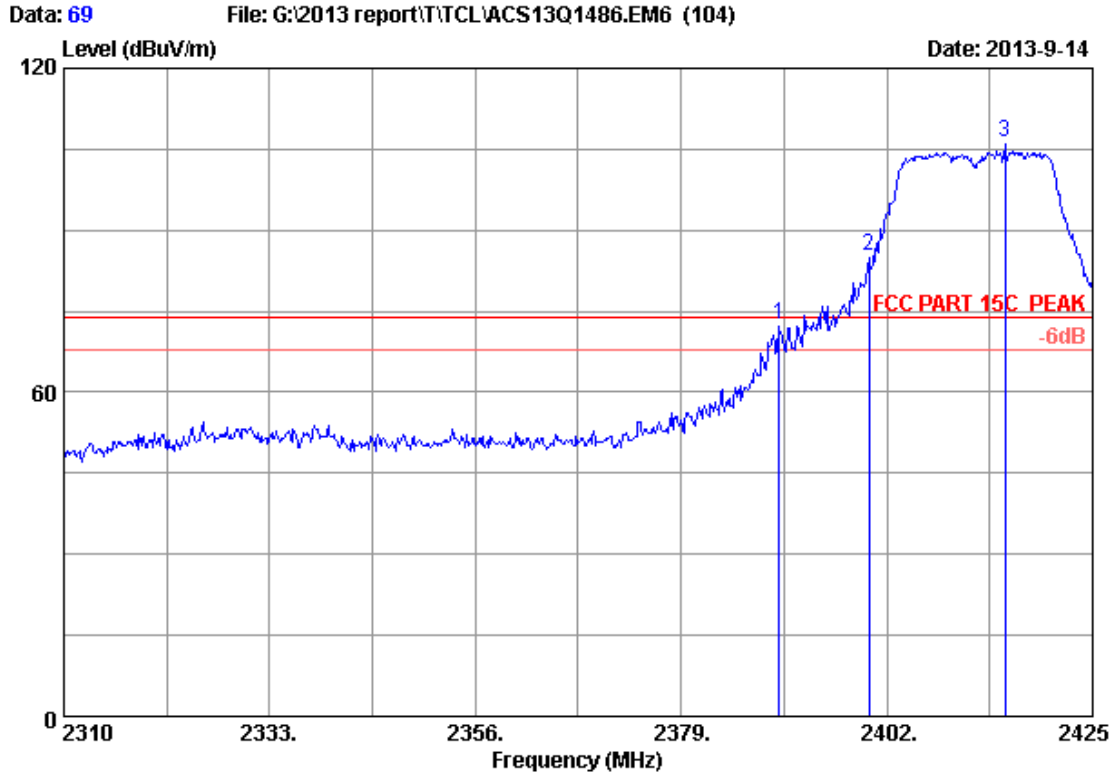


Site no. : 3m Chamber Data no. : 56
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 2462MHz Tx Mode
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2467.520	28.33	5.90	35.70	89.10	87.63	54.00	-33.63	Average
2	2483.500	28.36	5.92	35.70	47.92	46.50	54.00	7.50	Average
3	2500.000	28.40	5.94	35.70	41.13	39.77	54.00	14.23	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

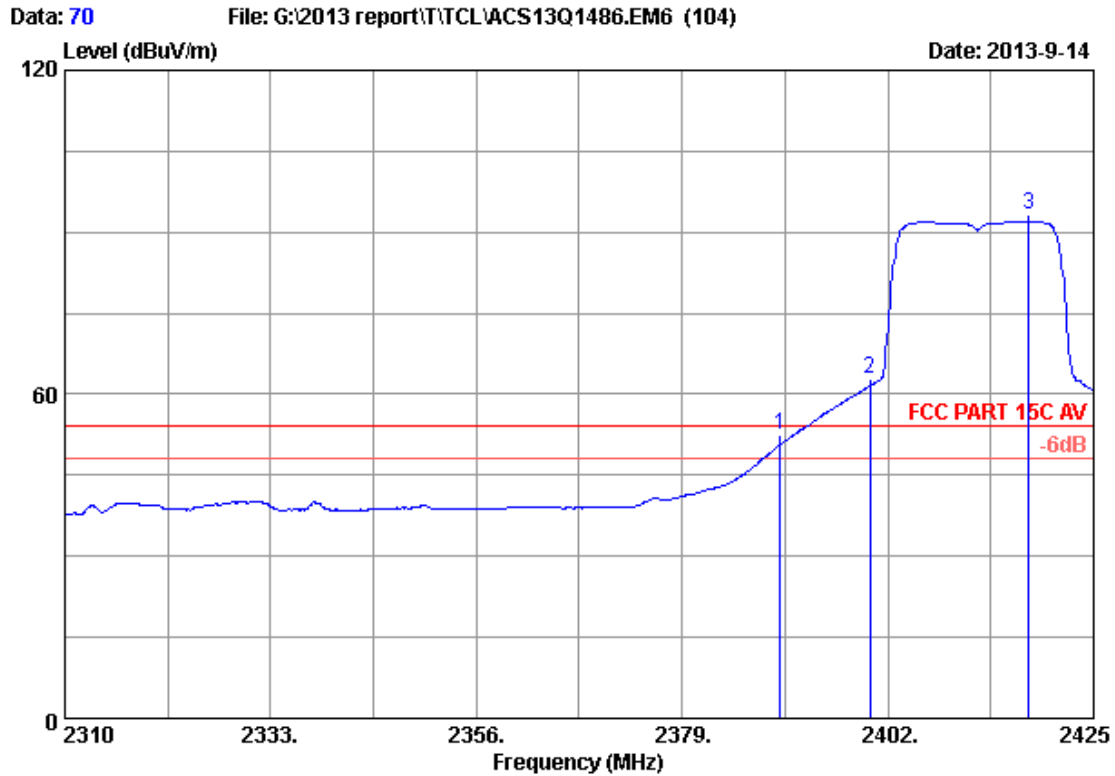


Site no. : 3m Chamber Data no. : 69
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 2412MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.16	5.78	35.70	74.15	72.39	74.00	1.61	Peak
2	28.18	5.80	35.70	86.97	85.25	74.00	-11.25	Peak
3	28.21	5.82	35.70	107.99	106.32	74.00	-32.32	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

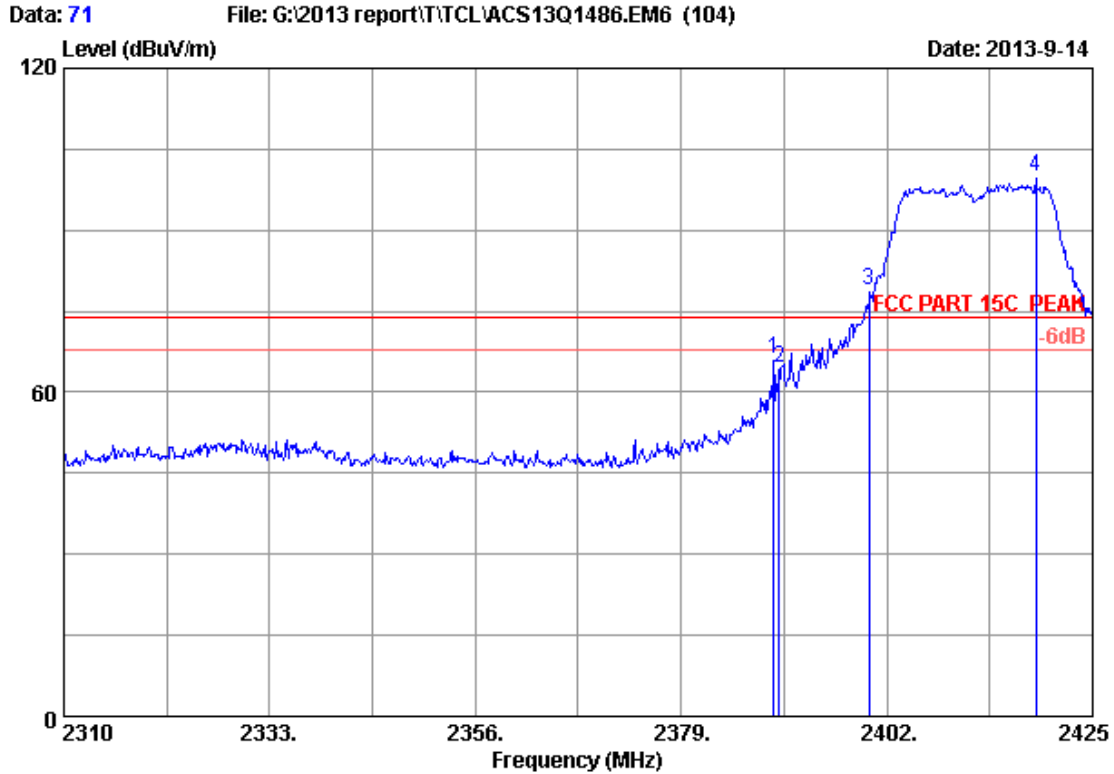


Site no. : 3m Chamber Data no. : 70
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 2412MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.16	5.78	35.70	54.21	52.45	54.00	1.55	Average
2	28.18	5.80	35.70	64.72	63.00	54.00	-9.00	Average
3	28.22	5.82	35.70	94.97	93.31	54.00	-39.31	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

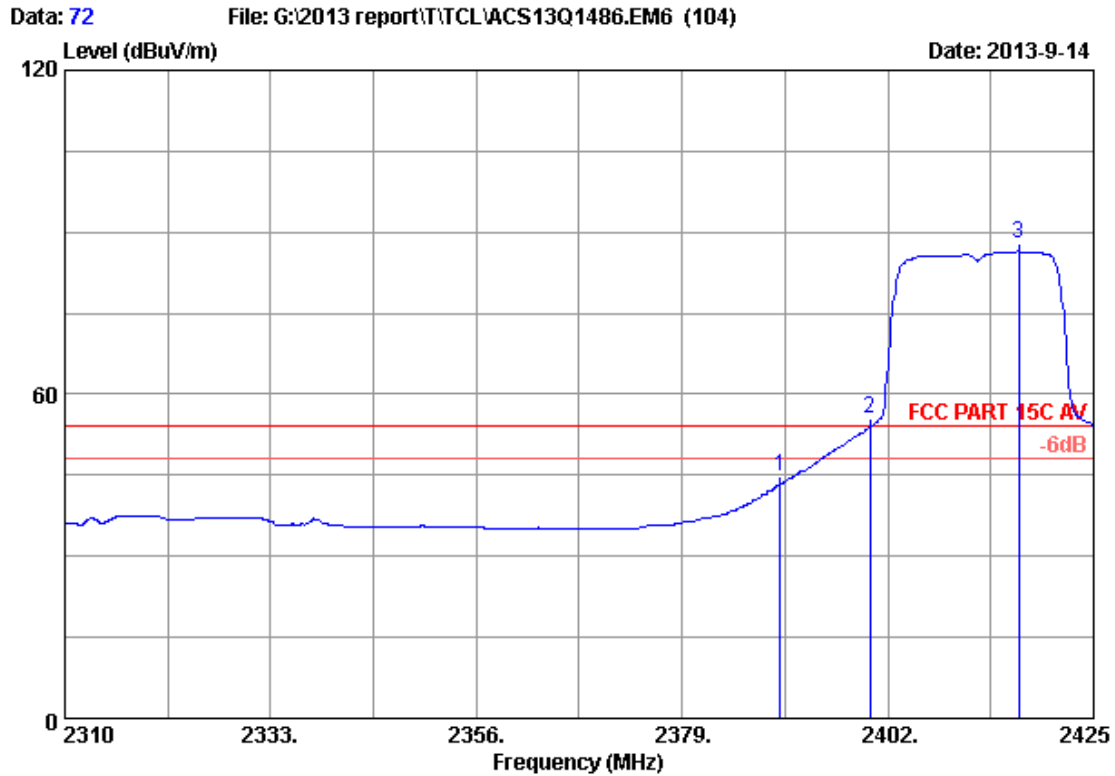


Site no. : 3m Chamber Data no. : 71
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 2412MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.16	5.78	35.70	68.08	66.32	74.00	7.68	Peak
2	28.16	5.78	35.70	66.14	64.38	74.00	9.62	Peak
3	28.18	5.80	35.70	80.46	78.74	74.00	-4.74	Peak
4	28.22	5.82	35.70	101.65	99.99	74.00	-25.99	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

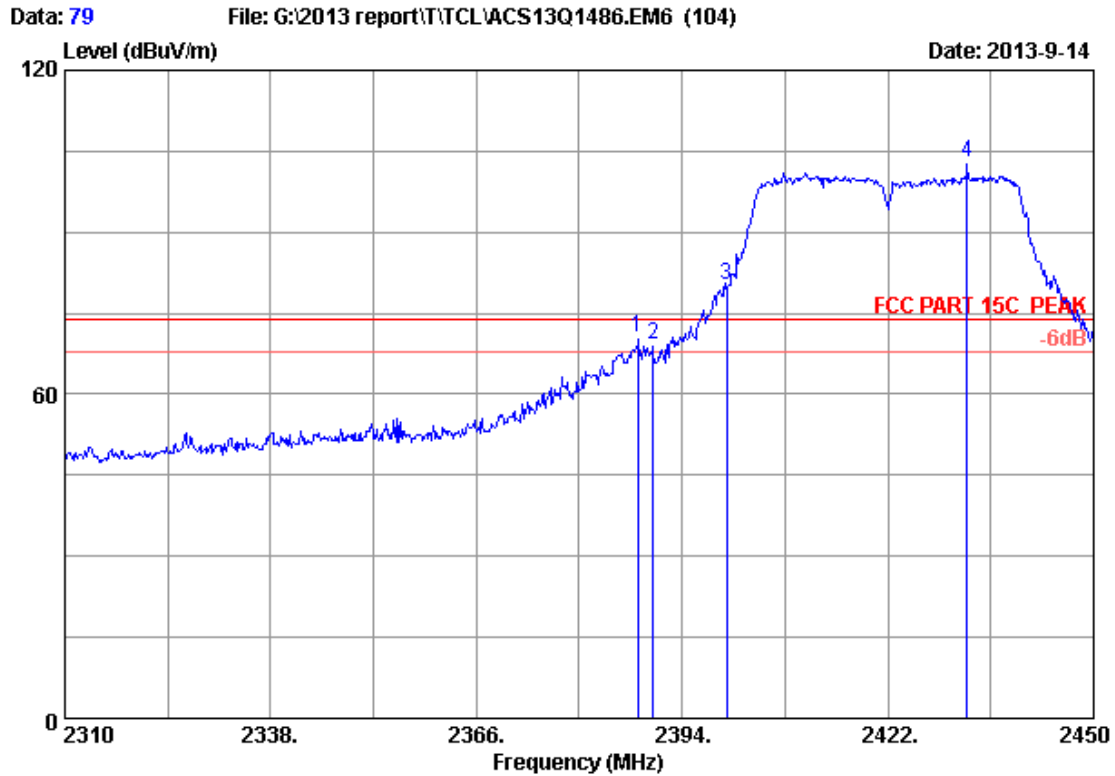


Site no. : 3m Chamber Data no. : 72
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 2412MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.16	5.78	35.70	46.53	44.77	54.00	9.23	Average
2	28.18	5.80	35.70	57.20	55.48	54.00	-1.48	Average
3	28.22	5.82	35.70	89.43	87.77	54.00	-33.77	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

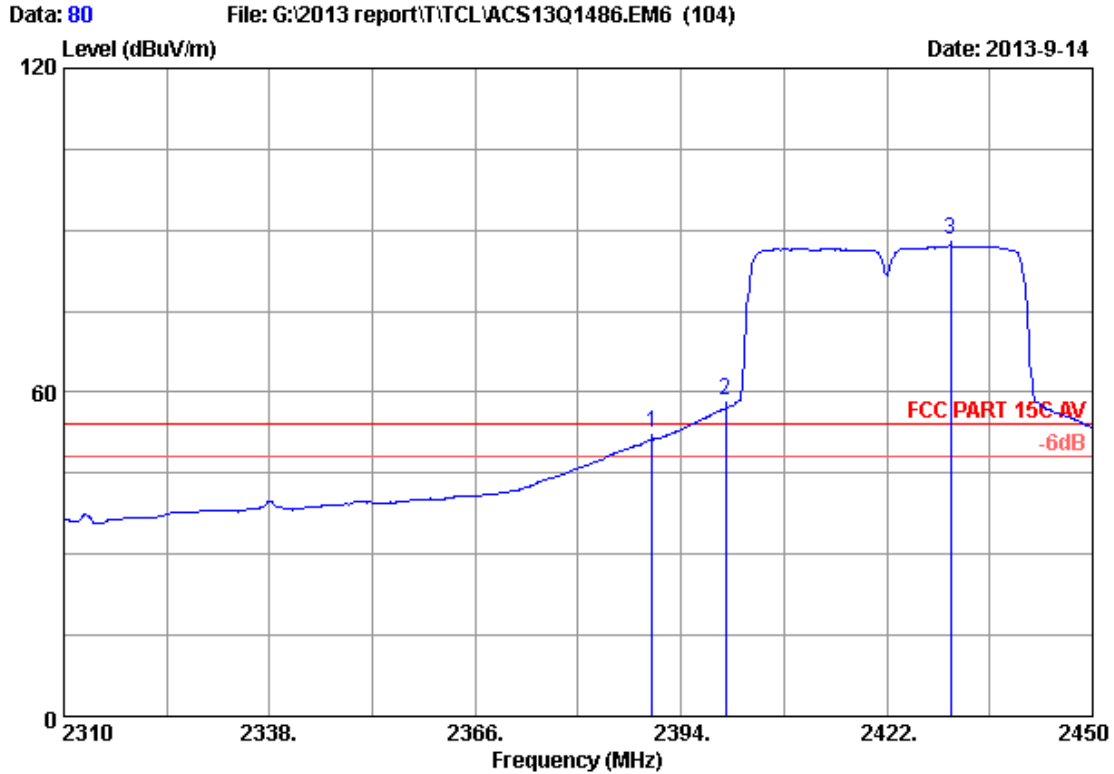


Site no. : 3m Chamber Data no. : 79
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 2422MHz Tx Mode
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2387.980	28.15	5.78	35.70	72.21	70.44	74.00	3.56	Peak
2	2390.000	28.16	5.78	35.70	71.02	69.26	74.00	4.74	Peak
3	2400.000	28.18	5.80	35.70	81.82	80.10	74.00	-6.10	Peak
4	2432.780	28.25	5.84	35.70	104.57	102.96	74.00	-28.96	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

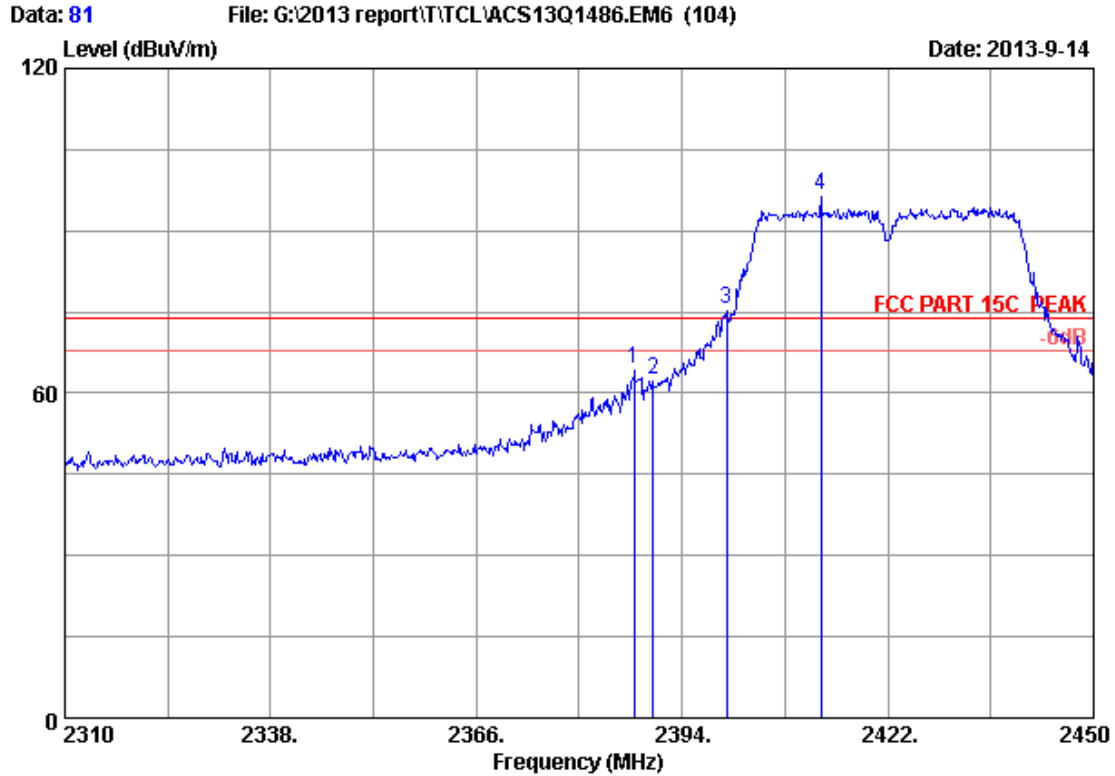


Site no. : 3m Chamber Data no. : 80
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 2422MHz Tx Mode
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	28.16	5.78	35.70	54.29	52.53	54.00	1.47	Average
2	2400.000	28.18	5.80	35.70	60.24	58.52	54.00	-4.52	Average
3	2430.680	28.25	5.84	35.70	89.99	88.38	54.00	-34.38	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

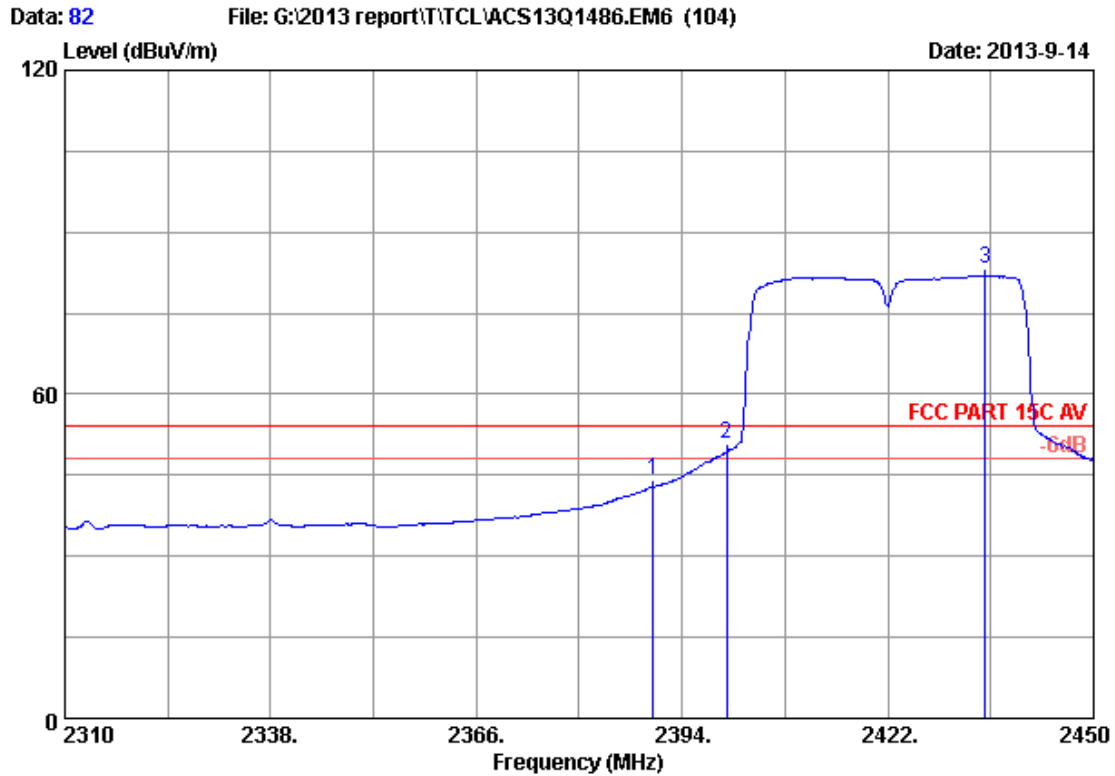


Site no. : 3m Chamber Data no. : 81
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 2422MHz Tx Mode
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2387.420	28.15	5.78	35.70	66.15	64.38	74.00	9.62	Peak
2	2390.000	28.16	5.78	35.70	64.34	62.58	74.00	11.42	Peak
3	2400.000	28.18	5.80	35.70	77.17	75.45	74.00	-1.45	Peak
4	2412.900	28.21	5.82	35.70	98.31	96.64	74.00	-22.64	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

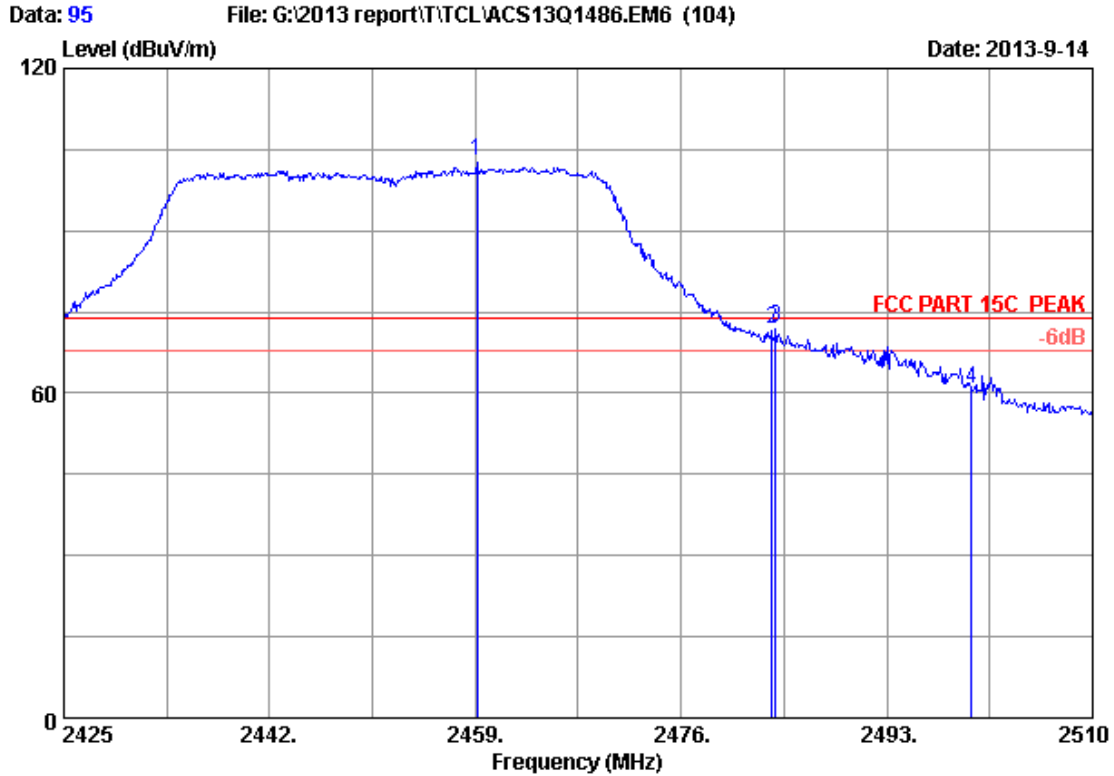


Site no. : 3m Chamber Data no. : 82
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23*C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 2422MHz Tx Mode
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	28.16	5.78	35.70	45.98	44.22	54.00	9.78	Average
2	2400.000	28.18	5.80	35.70	52.64	50.92	54.00	3.08	Average
3	2435.300	28.26	5.85	35.70	84.78	83.19	54.00	-29.19	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

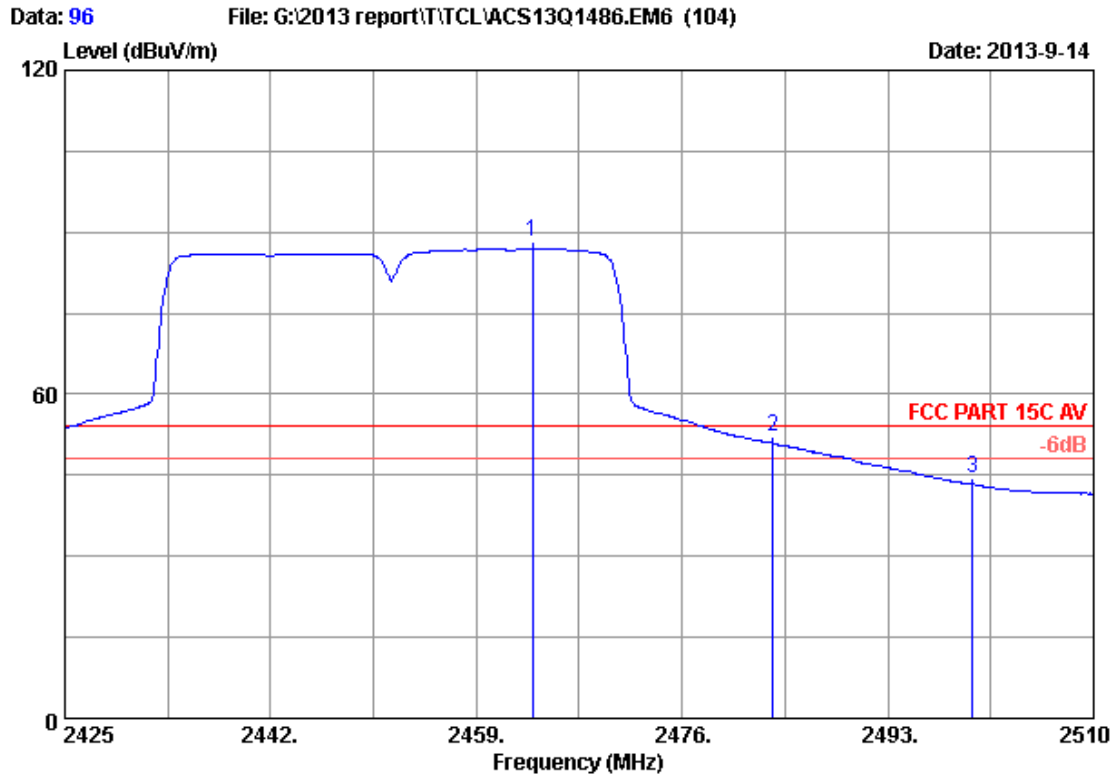


Site no. : 3m Chamber Data no. : 95
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 2452MHz Tx Mode
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2459.170	28.31	5.88	35.70	104.46	102.95	74.00	-28.95	Peak
2	2483.500	28.36	5.92	35.70	73.17	71.75	74.00	2.25	Peak
3	2483.820	28.36	5.92	35.70	73.46	72.04	74.00	1.96	Peak
4	2500.000	28.40	5.94	35.70	62.36	61.00	74.00	13.00	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

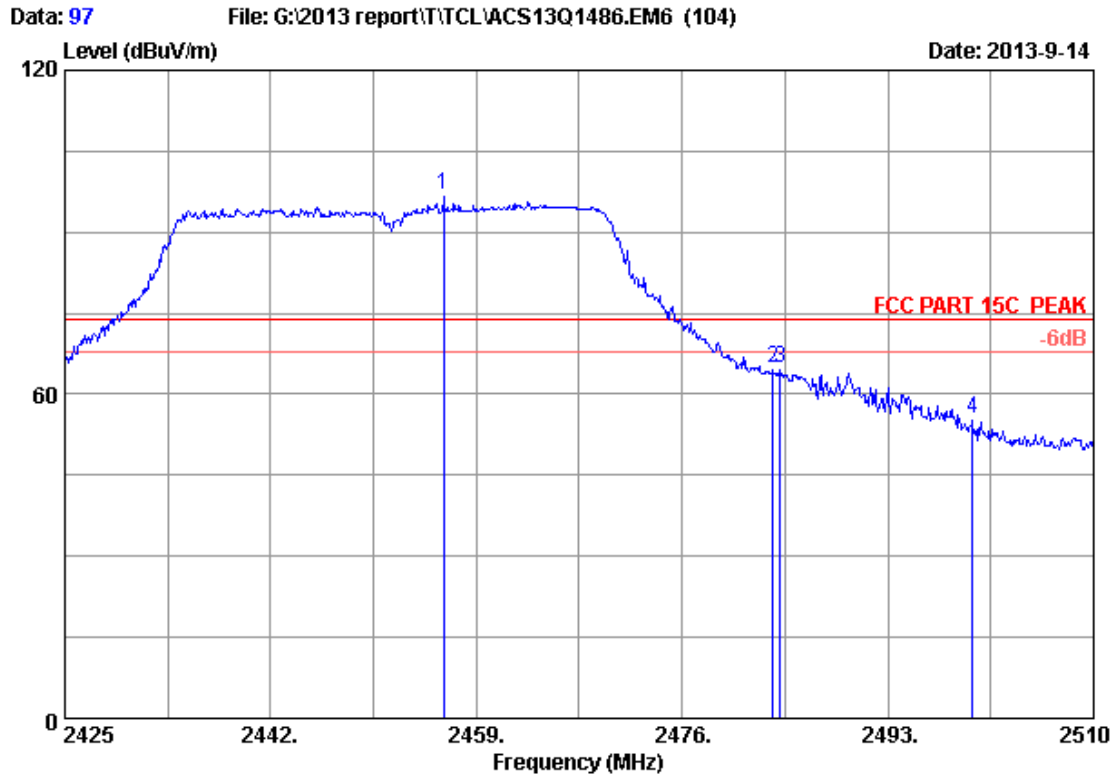


Site no. : 3m Chamber Data no. : 96
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 2452MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.32	5.89	35.70	89.57	88.08	54.00	-34.08	Average
2	28.36	5.92	35.70	53.41	51.99	54.00	2.01	Average
3	28.40	5.94	35.70	45.76	44.40	54.00	9.60	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

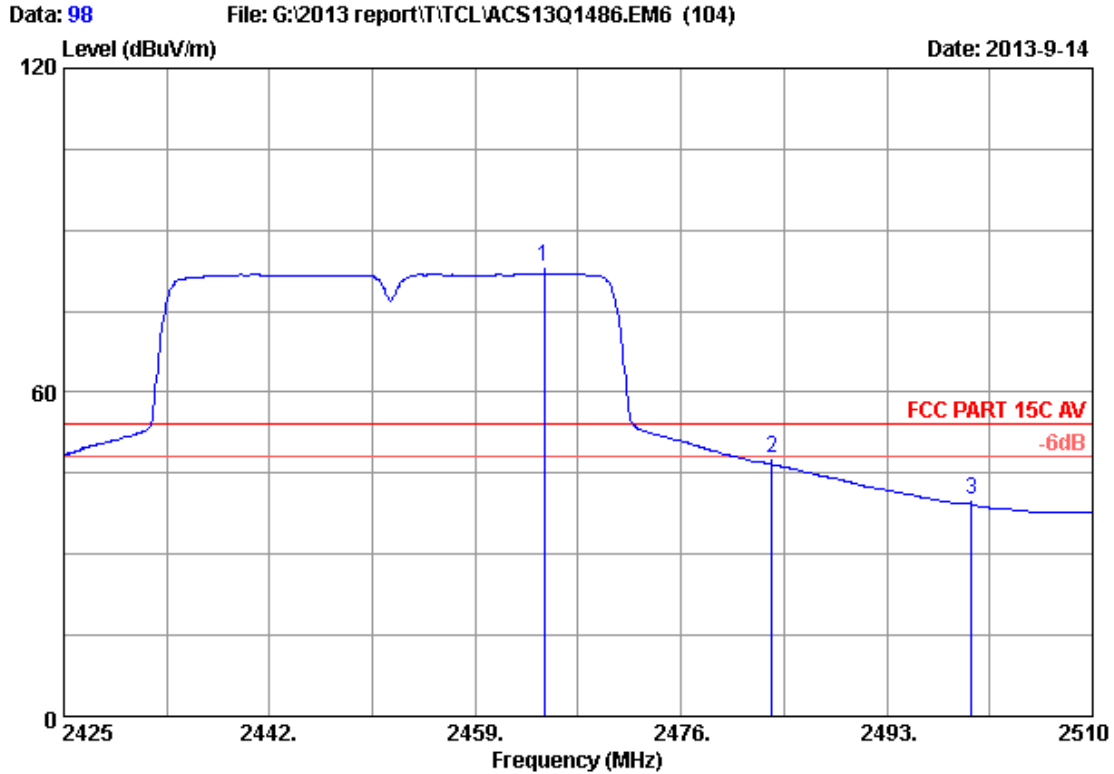


Site no. : 3m Chamber Data no. : 97
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 2452MHz Tx Mode
 WAE22-DF01-AR

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 2456.280	28.30	5.88	35.70	98.36	96.84	74.00	-22.84	Peak
2 2483.500	28.36	5.92	35.70	66.13	64.71	74.00	9.29	Peak
3 2484.075	28.36	5.92	35.70	66.41	64.99	74.00	9.01	Peak
4 2500.000	28.40	5.94	35.70	56.72	55.36	74.00	18.64	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



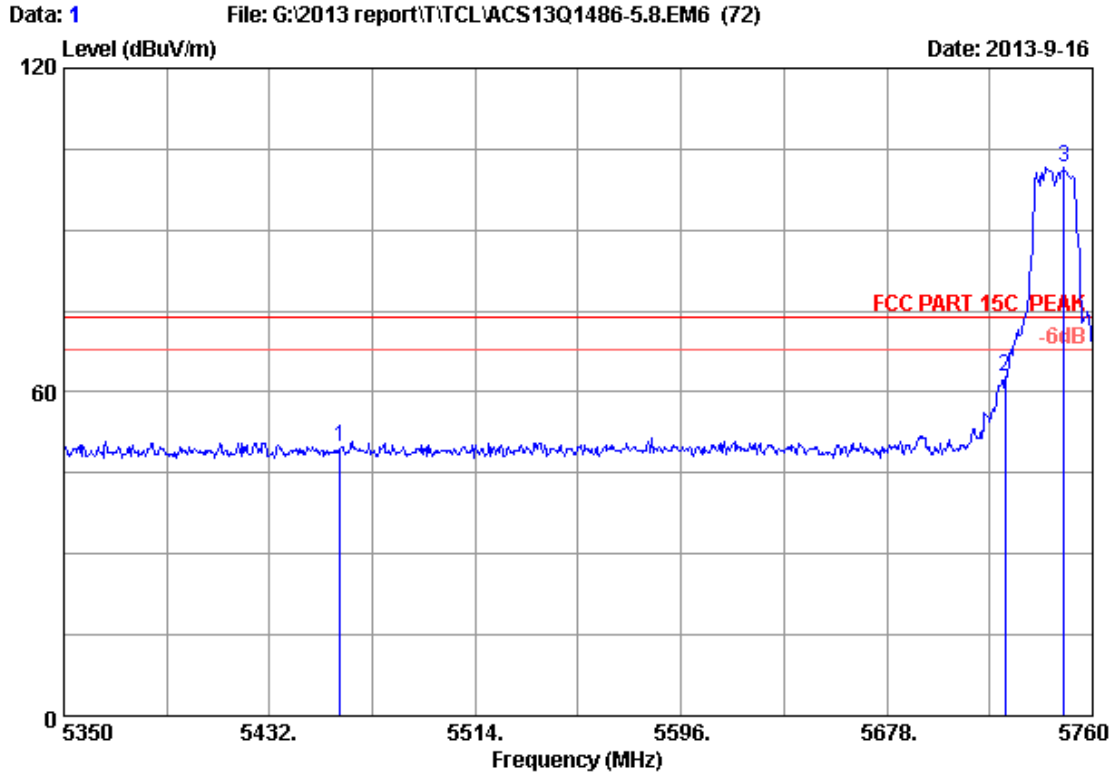
Site no. : 3m Chamber Data no. : 98
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 2452MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.32	5.89	35.70	84.66	83.17	54.00	-29.17	Average
2	28.36	5.92	35.70	49.06	47.64	54.00	6.36	Average
3	28.40	5.94	35.70	41.58	40.22	54.00	13.78	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

5.8G:

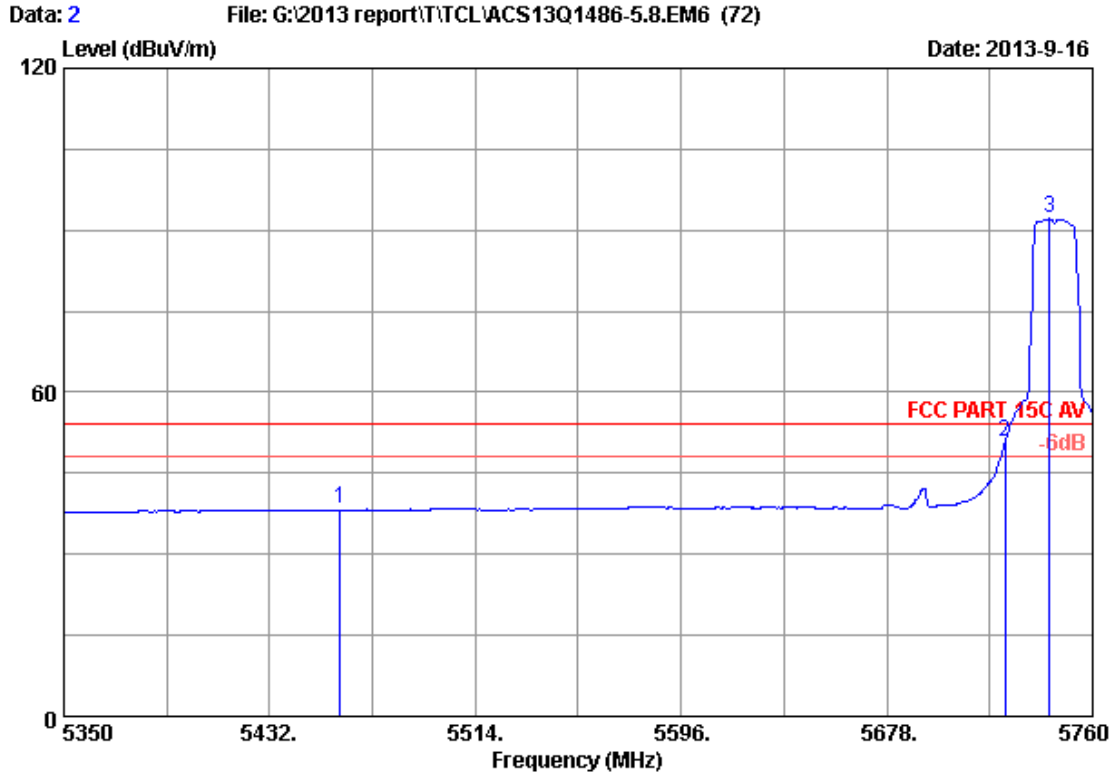


Site no. : 3m Chamber Data no. : 1
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11a CH149 5745MHz Tx
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.000	33.94	9.25	35.70	42.22	49.71	74.00	24.29	Peak
2	5725.000	34.09	9.52	35.70	54.94	62.85	74.00	11.15	Peak
3	5748.520	34.10	9.55	35.70	93.72	101.67	74.00	-27.67	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

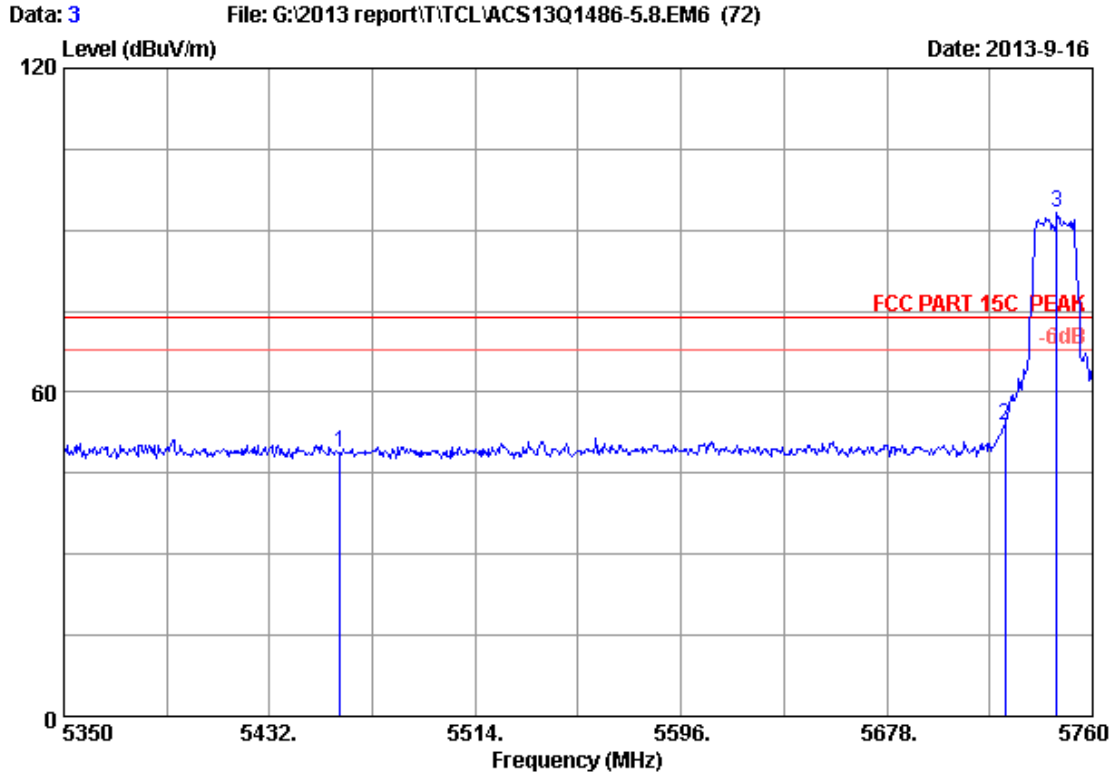


Site no. : 3m Chamber Data no. : 2
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11a CH149 5745MHz Tx
 WAE22-DF01-AR

	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 5460.000	33.94	9.25	35.70	30.87	38.36	54.00	15.64	Average	
2 5725.000	34.09	9.52	35.70	42.84	50.75	54.00	3.25	Average	
3 5742.780	34.10	9.54	35.70	84.19	92.13	54.00	-38.13	Average	

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

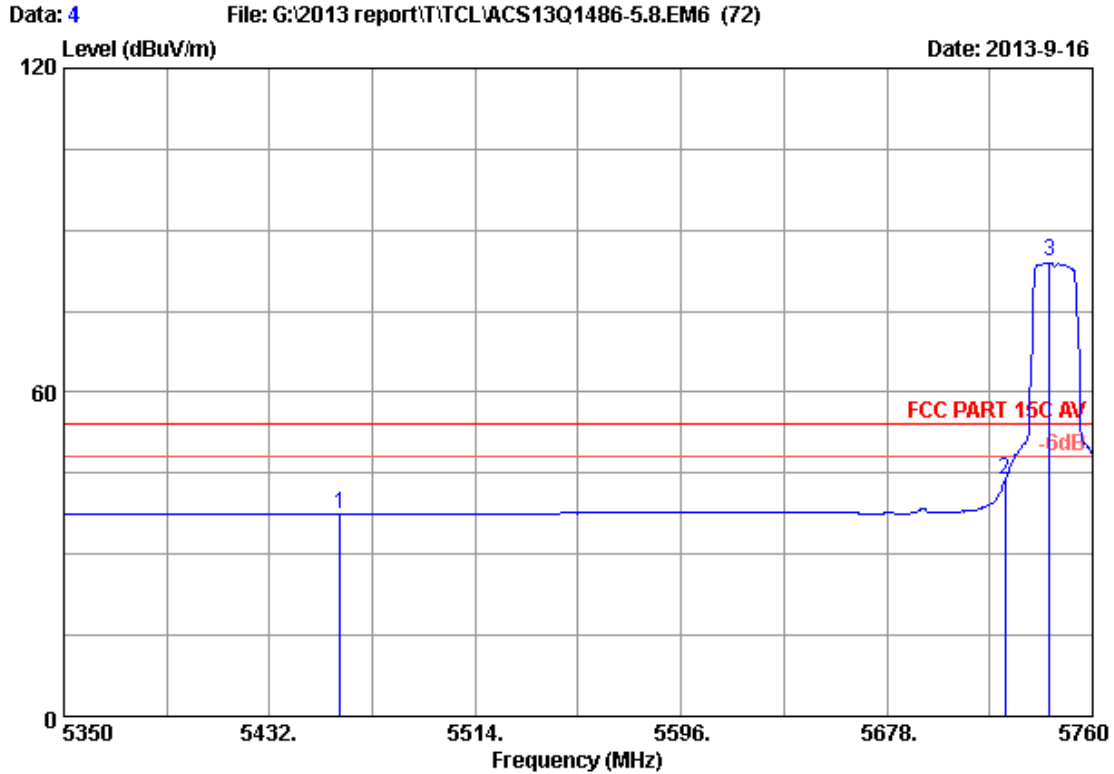


Site no. : 3m Chamber Data no. : 3
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11a CH149 5745MHz Tx
 WAE22-DF01-AR

	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 5460.000	33.94	9.25	35.70	41.47	48.96	74.00	25.04	Peak	
2 5725.000	34.09	9.52	35.70	45.85	53.76	74.00	20.24	Peak	
3 5745.650	34.10	9.55	35.70	85.19	93.14	74.00	-19.14	Peak	

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

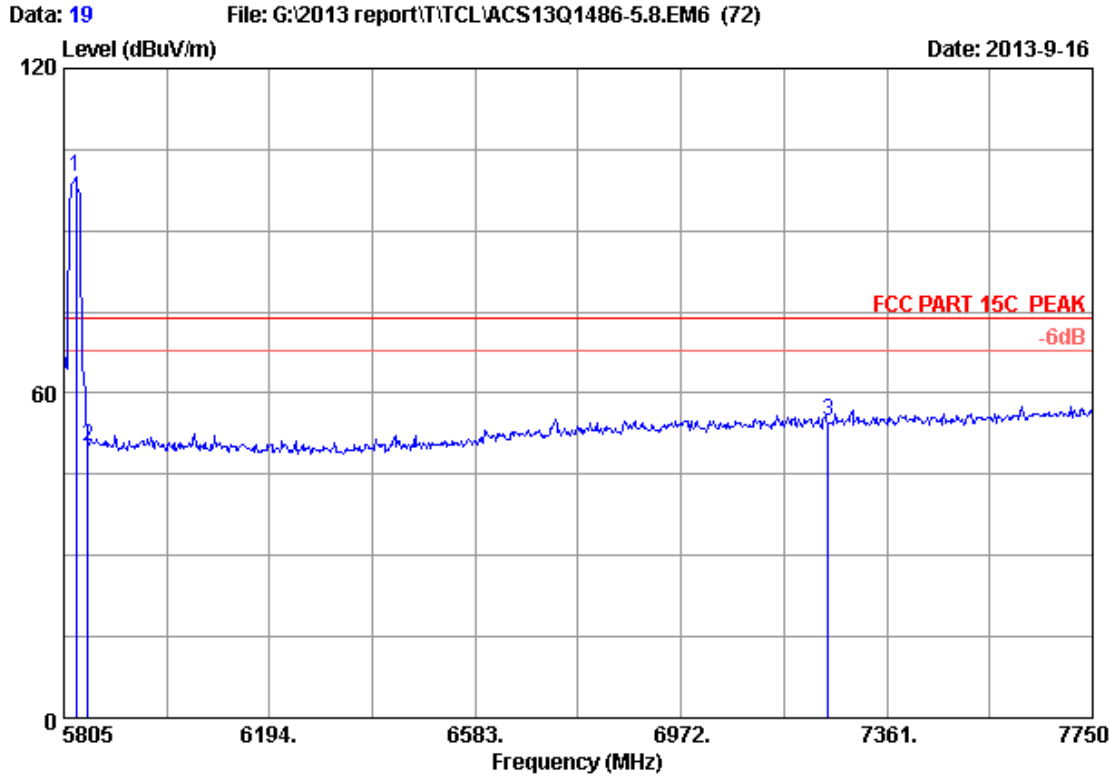


Site no. : 3m Chamber Data no. : 4
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11a CH149 5745MHz Tx
 WAE22-DF01-AR

	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 5460.000	33.94	9.25	35.70	30.01	37.50	54.00	16.50	Average	
2 5725.000	34.09	9.52	35.70	35.92	43.83	54.00	10.17	Average	
3 5742.780	34.10	9.54	35.70	76.13	84.07	54.00	-30.07	Average	

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



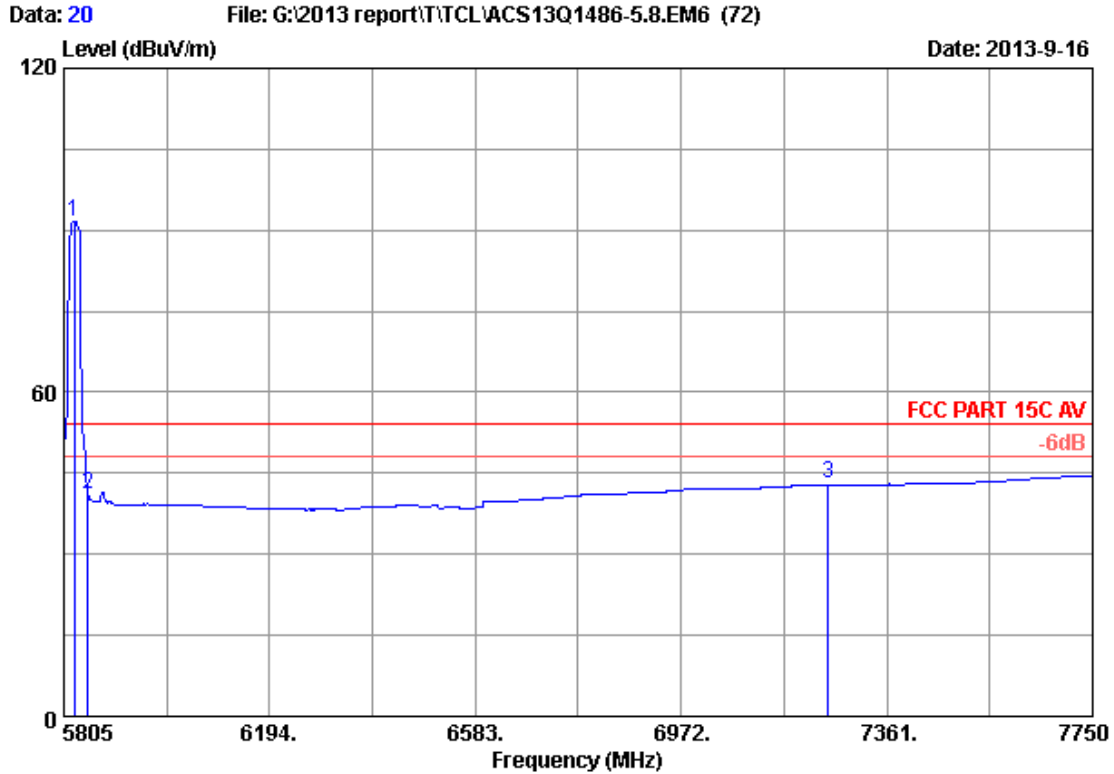
```

Site no.       : 3m Chamber           Data no.   : 19
Dis. / Ant.   : 3m 2013 3115 (4580)  Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15C PEAK
Env. / Ins.   : 23*C/54%             Engineer   : leo-Li
EUT           : WIFI Module
Power supply  : DC 5V
Test mode     : IEEE802.11a CH165 5825MHz Tx
               WAE22-DF01-AR
    
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5828.340	34.13	9.63	35.70	91.76	99.82	74.00	-25.82	Peak
2	5850.000	34.14	9.66	35.70	41.98	50.08	74.00	23.92	Peak
3	7250.000	36.05	10.99	35.45	43.18	54.77	74.00	19.23	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

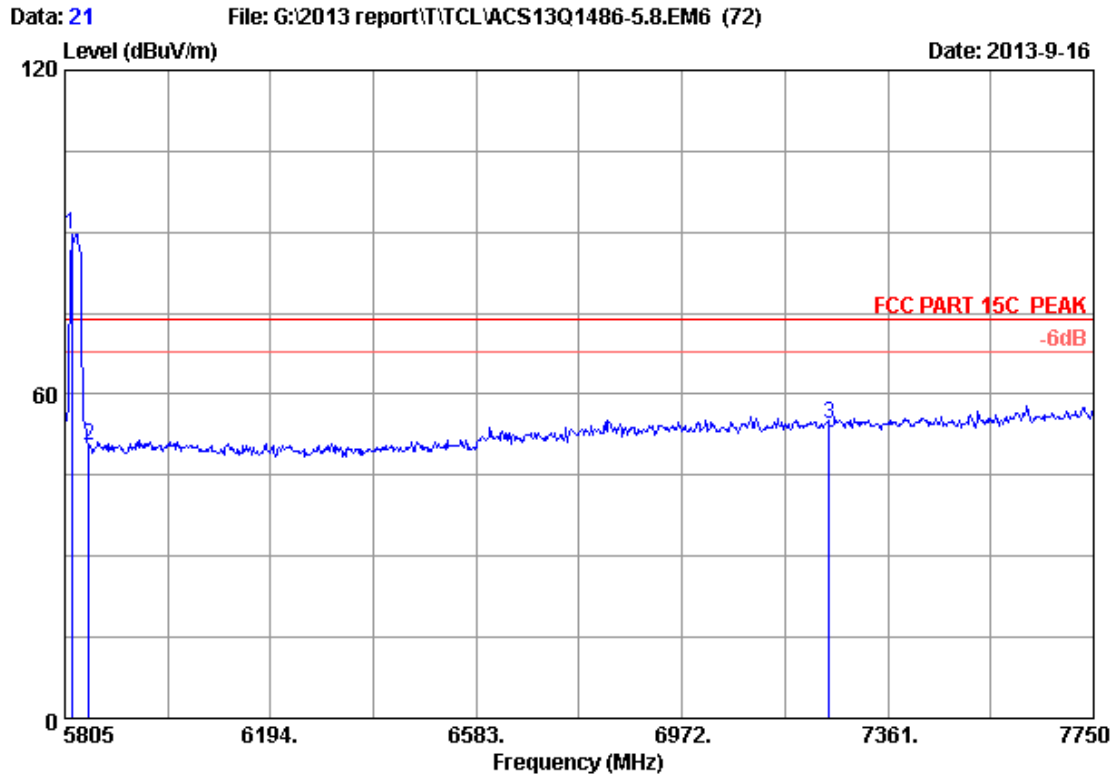


Site no. : 3m Chamber Data no. : 20
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11a CH165 5825MHz Tx
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	34.13	9.63	35.70	83.44	91.50	54.00	-37.50	Average
2	34.14	9.66	35.70	33.05	41.15	54.00	12.85	Average
3	36.05	10.99	35.45	31.48	43.07	54.00	10.93	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

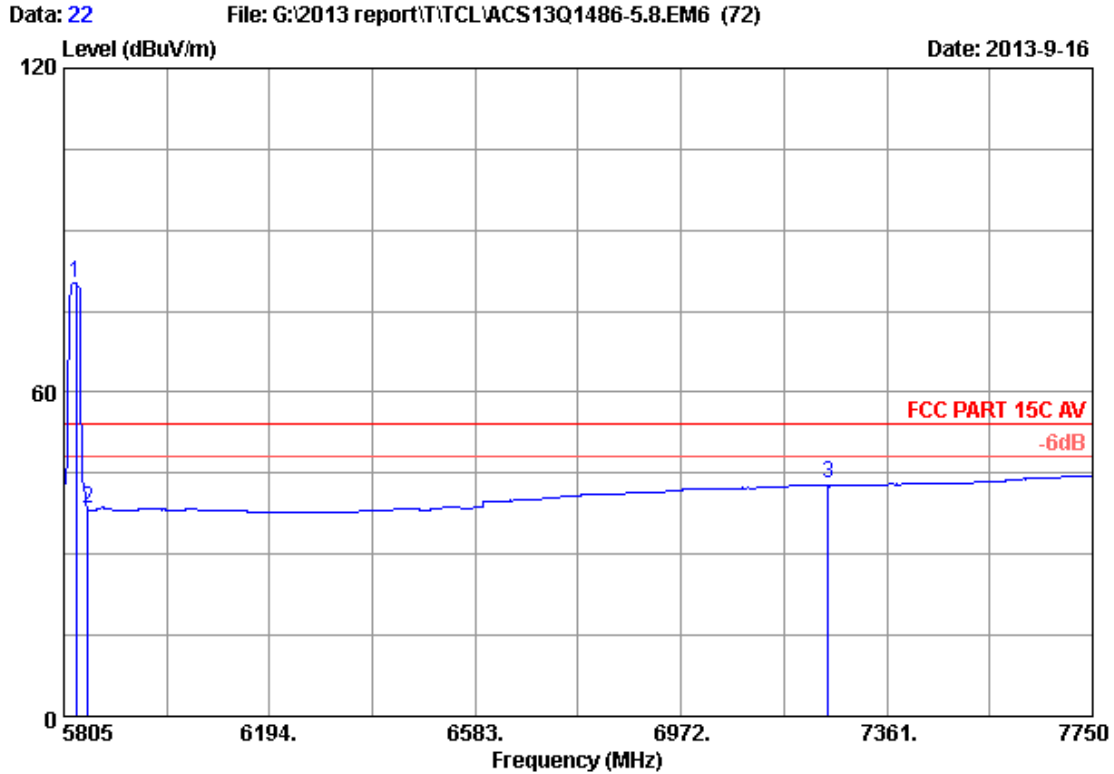


Site no. : 3m Chamber Data no. : 21
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11a CH165 5825MHz Tx
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5818.615	34.13	9.62	35.70	81.48	89.53	74.00	-15.53	Peak
2	5850.000	34.14	9.66	35.70	42.23	50.33	74.00	23.67	Peak
3	7250.000	36.05	10.99	35.45	42.85	54.44	74.00	19.56	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

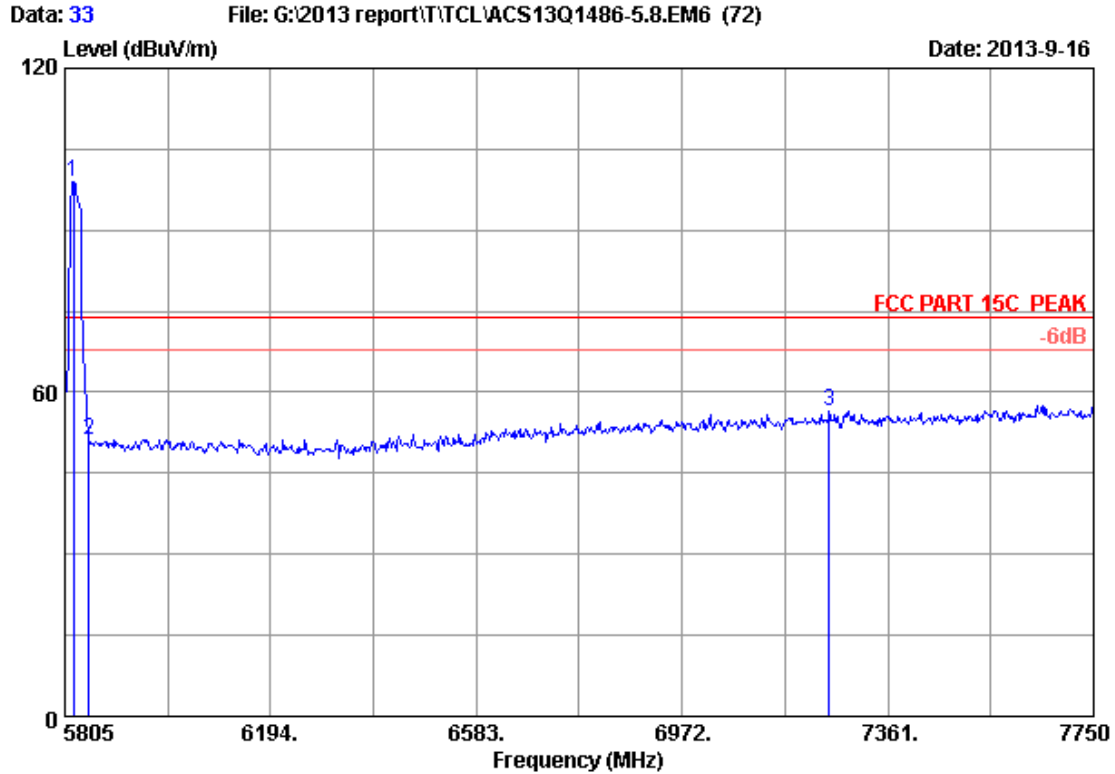


Site no. : 3m Chamber Data no. : 22
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11a CH165 5825MHz Tx
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	34.13	9.63	35.70	72.30	80.36	54.00	-26.36	Average
2	34.14	9.66	35.70	30.18	38.28	54.00	15.72	Average
3	36.05	10.99	35.45	31.50	43.09	54.00	10.91	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

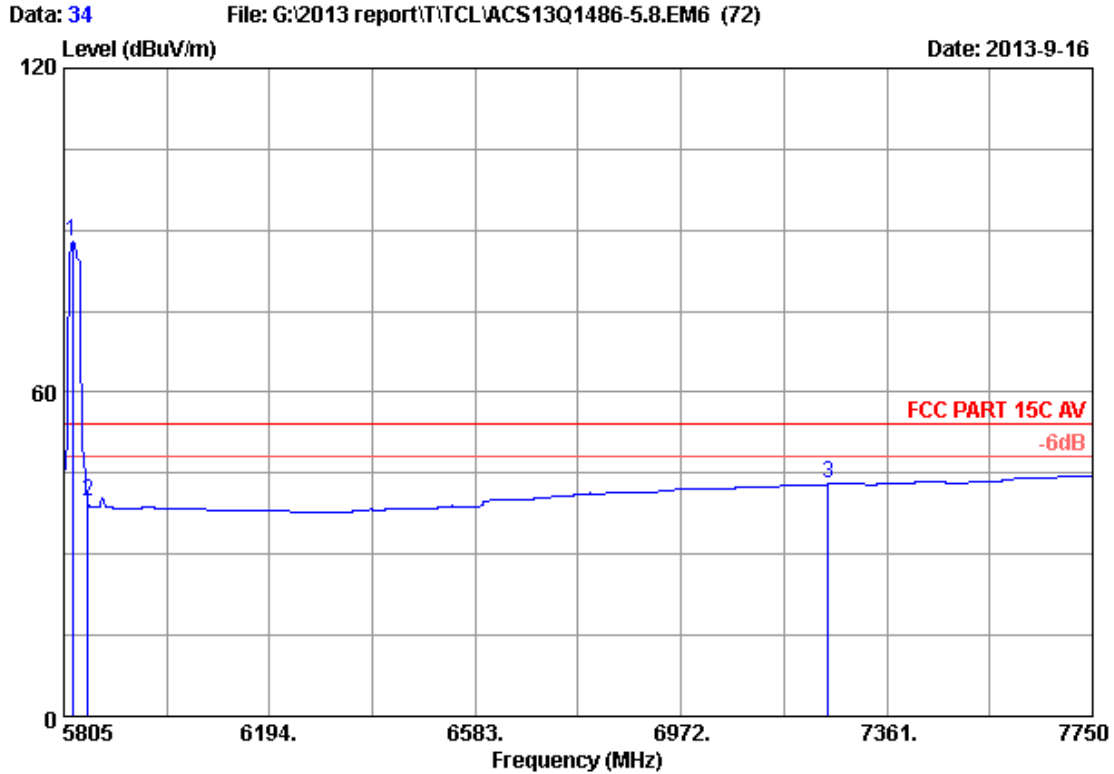


Site no. : 3m Chamber Data no. : 33
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 CH165 5825MHz Tx
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5820.560	34.13	9.62	35.70	91.00	99.05	74.00	-25.05	Peak
2	5850.000	34.14	9.66	35.70	43.12	51.22	74.00	22.78	Peak
3	7250.000	36.05	10.99	35.45	45.02	56.61	74.00	17.39	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

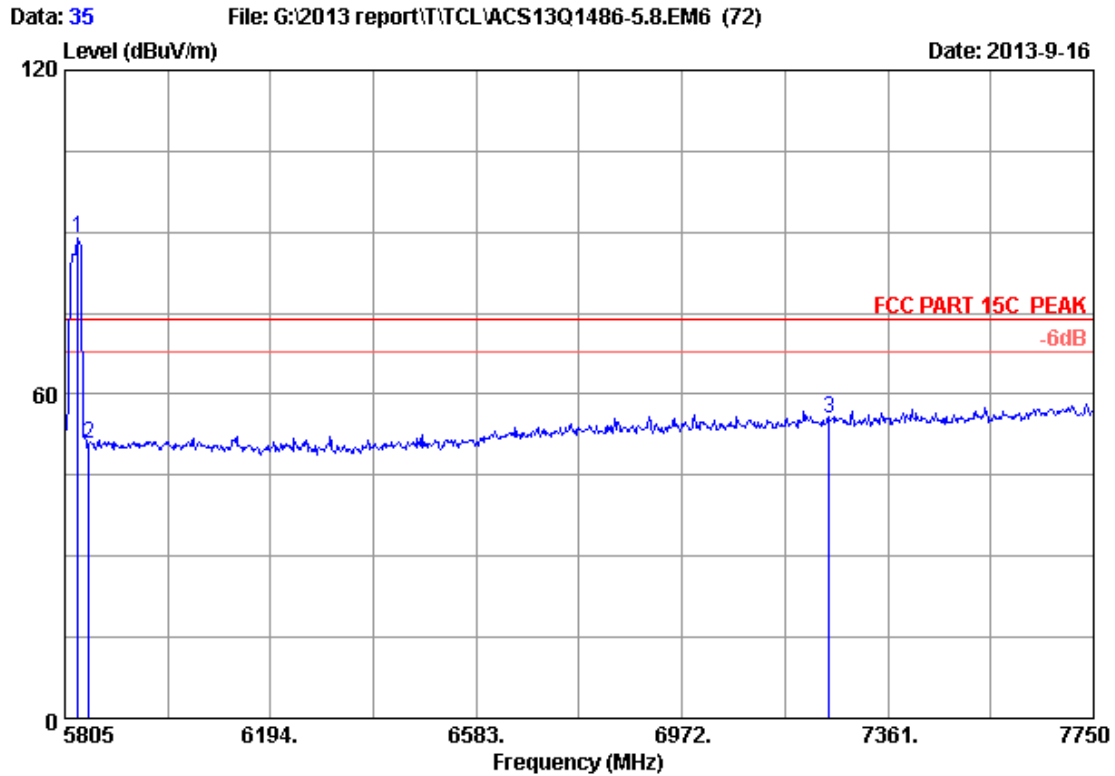


Site no. : 3m Chamber Data no. : 34
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 CH165 5825MHz Tx
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	34.13	9.62	35.70	79.80	87.85	54.00	-33.85	Average
2	34.14	9.66	35.70	31.70	39.80	54.00	14.20	Average
3	36.05	10.99	35.45	31.64	43.23	54.00	10.77	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

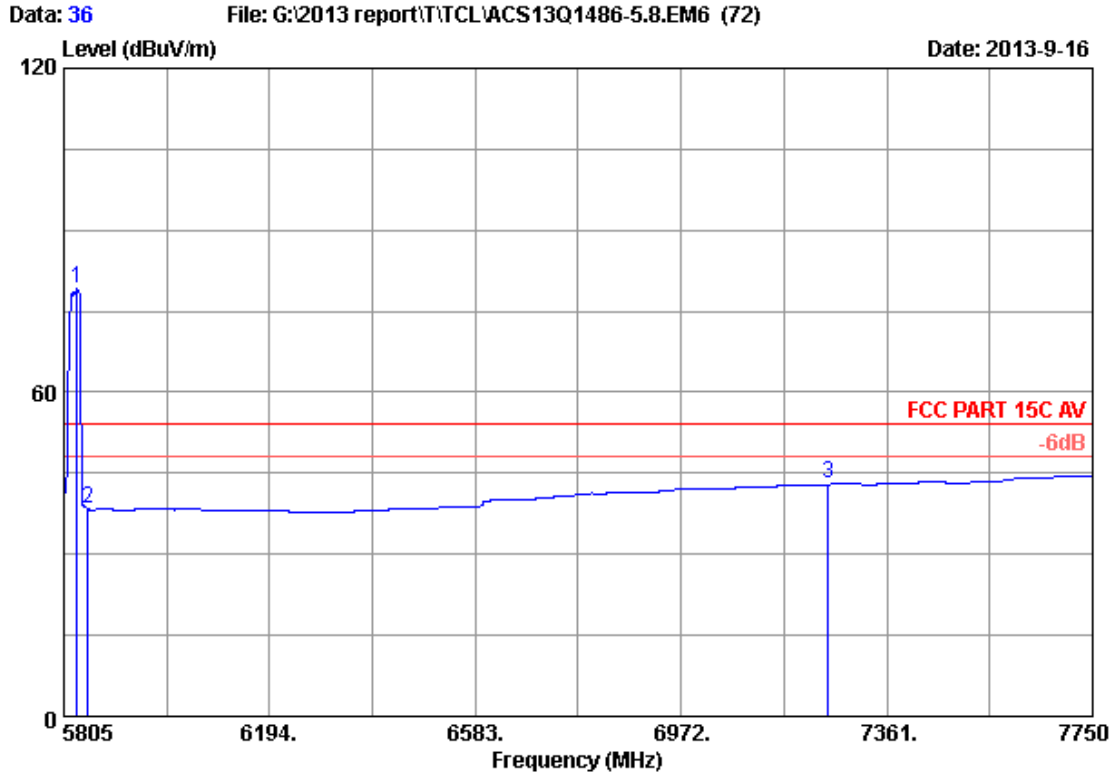


Site no. : 3m Chamber Data no. : 35
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 CH165 5825MHz Tx
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5830.285	34.13	9.63	35.70	80.97	89.03	74.00	-15.03	Peak
2	5850.000	34.14	9.66	35.70	42.82	50.92	74.00	23.08	Peak
3	7250.000	36.05	10.99	35.45	43.86	55.45	74.00	18.55	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

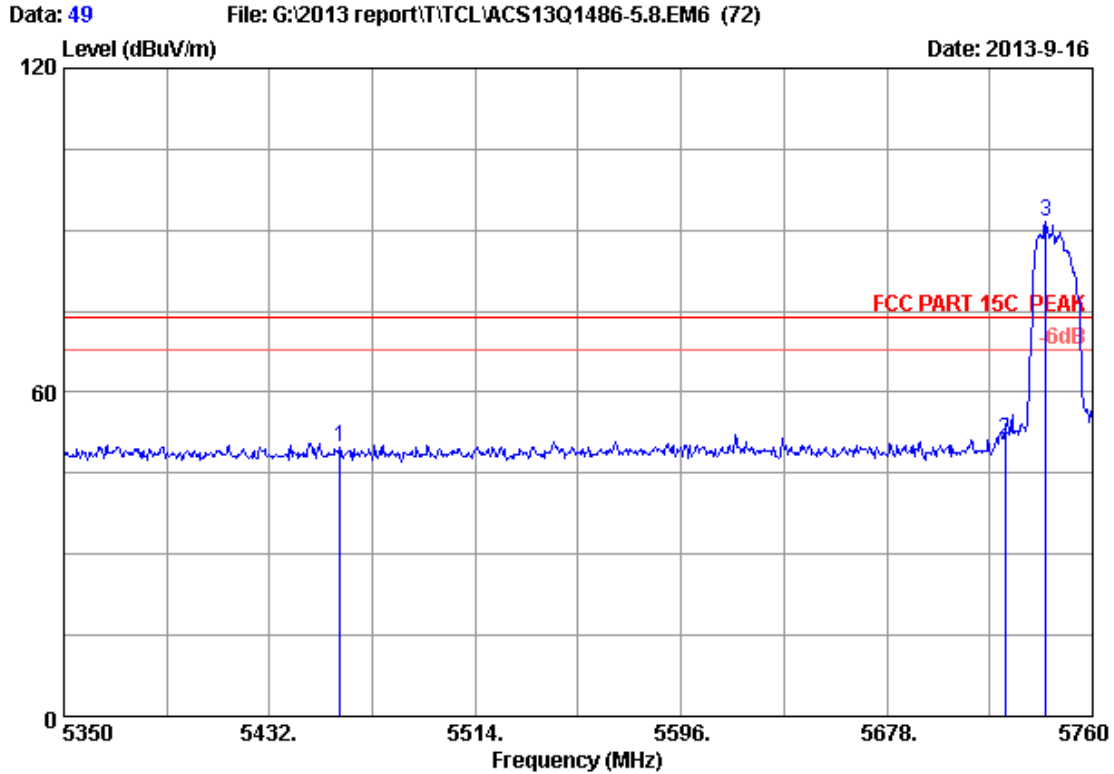


Site no. : 3m Chamber Data no. : 36
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 CH165 5825MHz Tx
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5830.285	34.13	9.63	35.70	71.26	79.32	54.00	-25.32	Average
2	5850.000	34.14	9.66	35.70	30.37	38.47	54.00	15.53	Average
3	7250.000	36.05	10.99	35.45	31.61	43.20	54.00	10.80	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

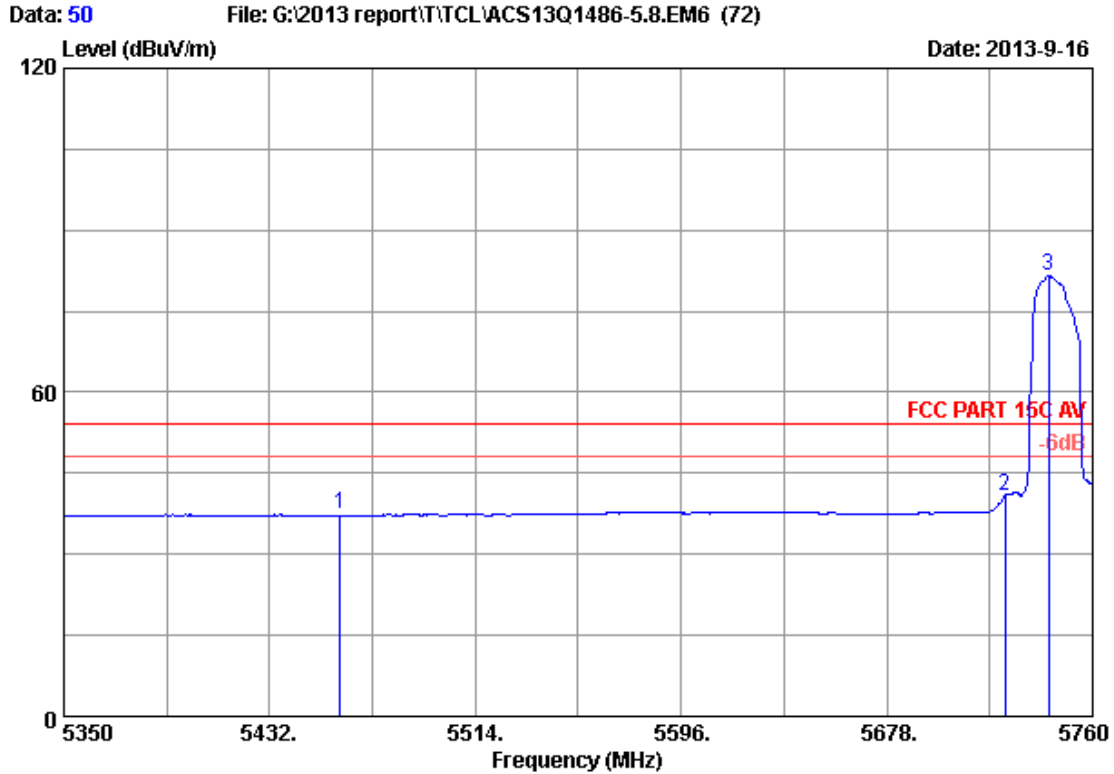


Site no. : 3m Chamber Data no. : 49
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 CH149 5745MHz Tx
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.000	33.94	9.25	35.70	42.37	49.86	74.00	24.14	Peak
2	5725.000	34.09	9.52	35.70	43.26	51.17	74.00	22.83	Peak
3	5741.550	34.10	9.54	35.70	83.58	91.52	74.00	-17.52	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

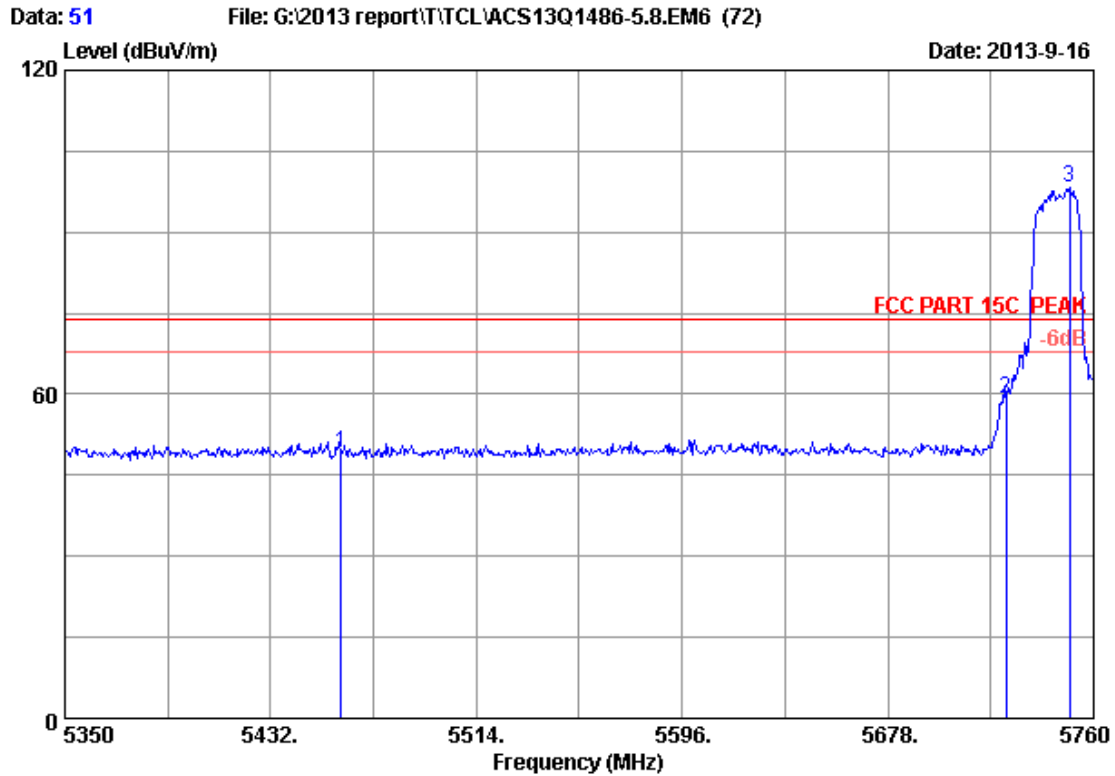


Site no. : 3m Chamber Data no. : 50
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 CH149 5745MHz Tx
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.000	33.94	9.25	35.70	29.89	37.38	54.00	16.62	Average
2	5725.000	34.09	9.52	35.70	32.98	40.89	54.00	13.11	Average
3	5742.370	34.10	9.54	35.70	73.63	81.57	54.00	-27.57	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

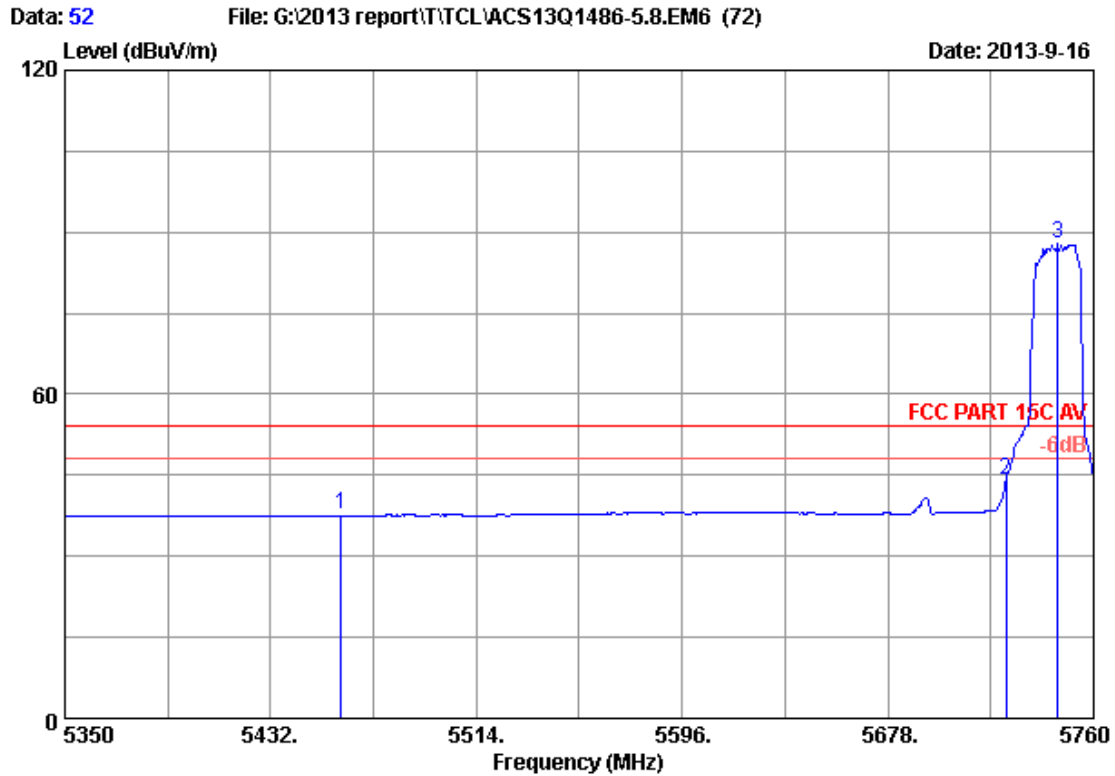


Site no. : 3m Chamber Data no. : 51
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 CH149 5745MHz Tx
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	33.94	9.25	35.70	41.69	49.18	74.00	24.82	Peak
2	34.09	9.52	35.70	51.10	59.01	74.00	14.99	Peak
3	34.10	9.55	35.70	90.34	98.29	74.00	-24.29	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

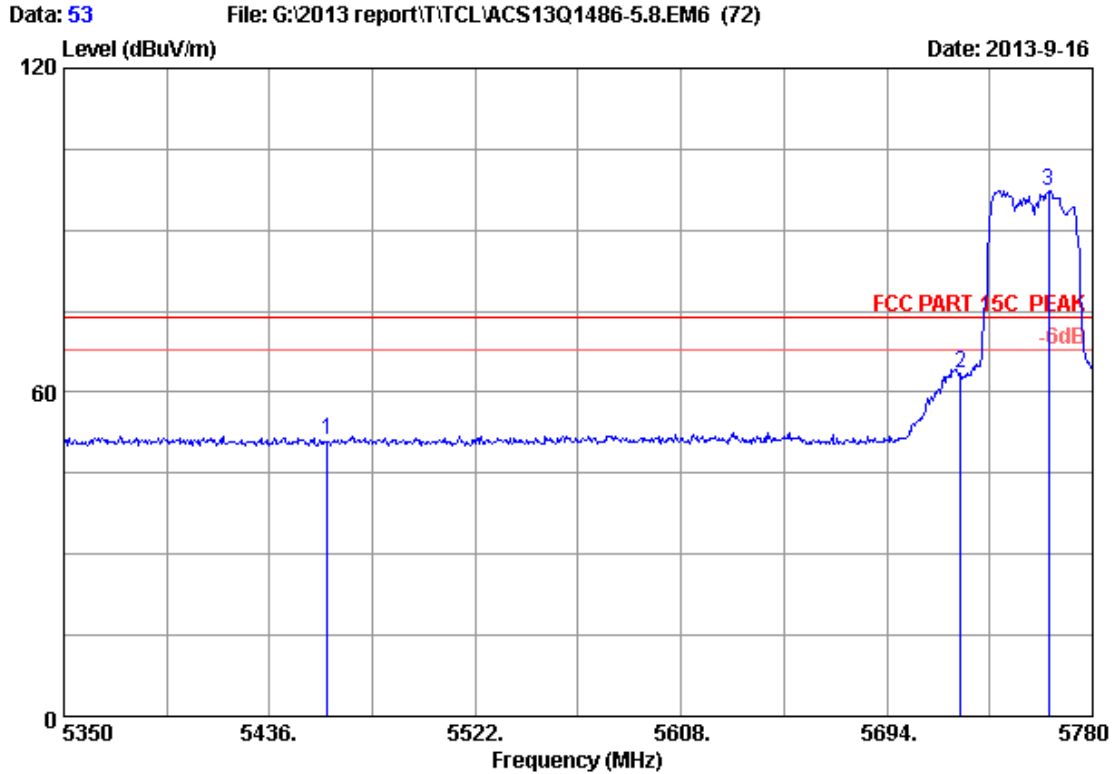


Site no. : 3m Chamber Data no. : 52
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 CH149 5745MHz Tx
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	33.94	9.25	35.70	30.20	37.69	54.00	16.31	Average
2	34.09	9.52	35.70	36.11	44.02	54.00	9.98	Average
3	34.10	9.55	35.70	80.06	88.01	54.00	-34.01	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

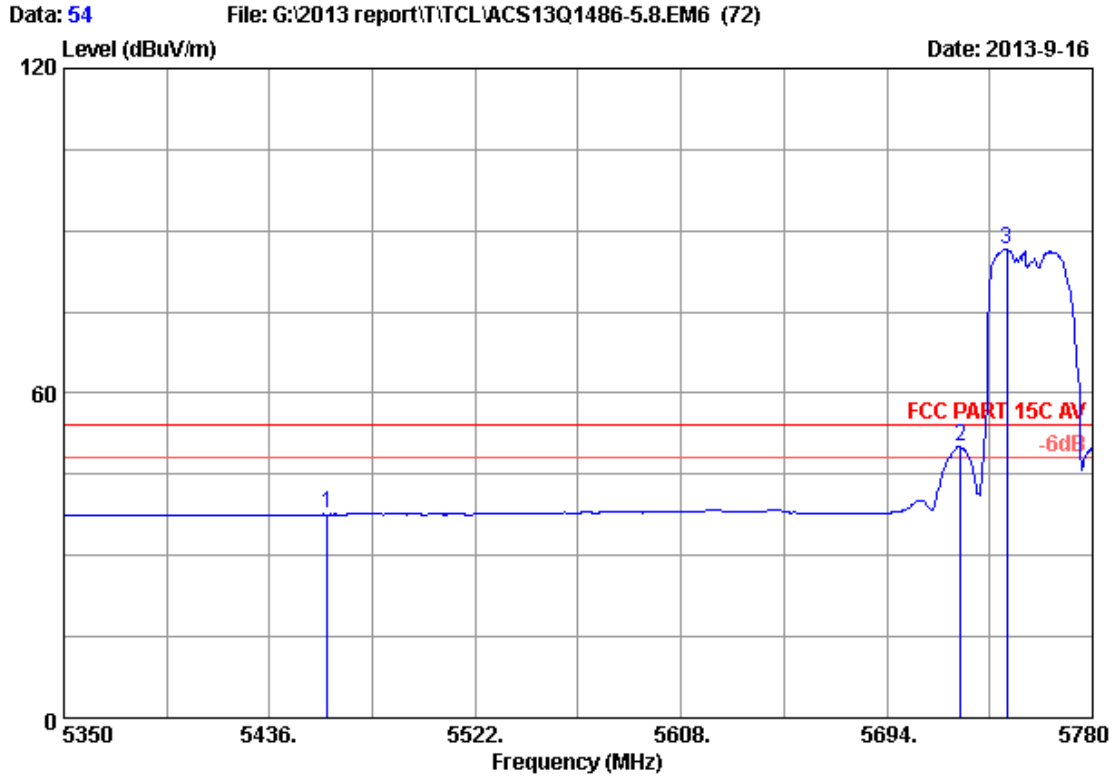


Site no. : 3m Chamber Data no. : 53
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 CH151 5755MHz Tx
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	33.94	9.25	35.70	43.54	51.03	74.00	22.97	Peak
2	34.09	9.52	35.70	55.58	63.49	74.00	10.51	Peak
3	34.10	9.56	35.70	89.45	97.41	74.00	-23.41	Peak

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

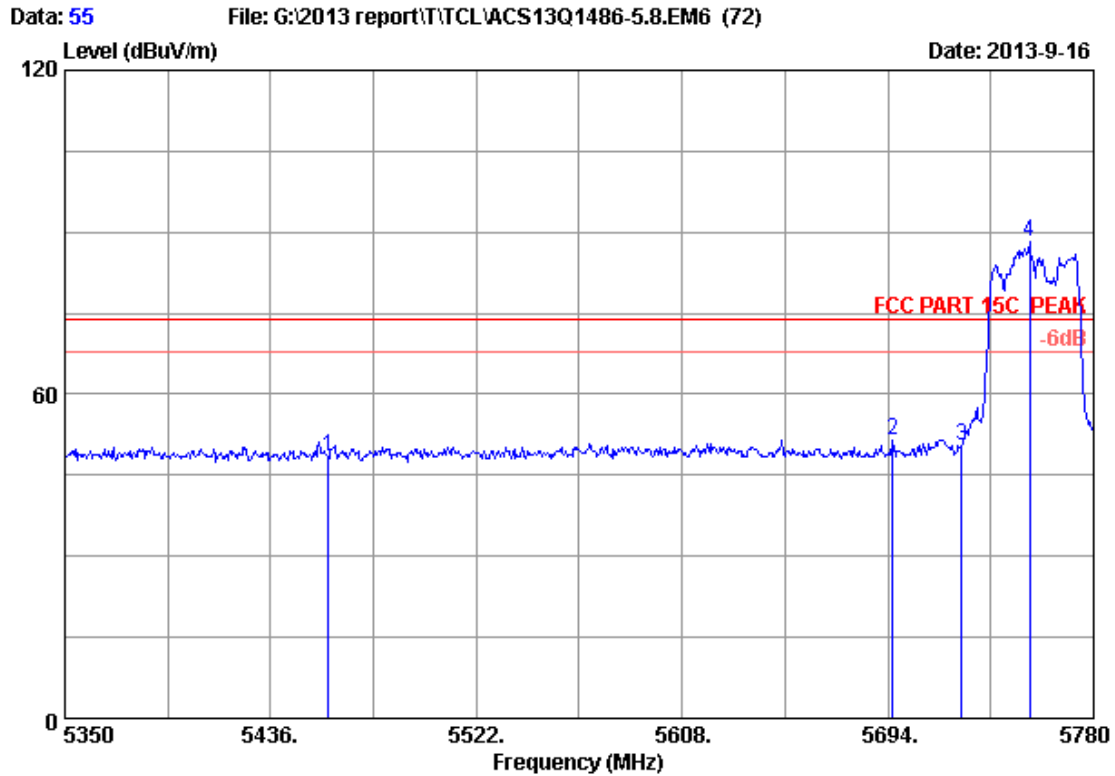


Site no. : 3m Chamber Data no. : 54
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23*C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 CH151 5755MHz Tx
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.000	33.94	9.25	35.70	30.26	37.75	54.00	16.25	Average
2	5725.000	34.09	9.52	35.70	42.14	50.05	54.00	3.95	Average
3	5744.310	34.10	9.54	35.70	78.74	86.68	54.00	-32.68	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

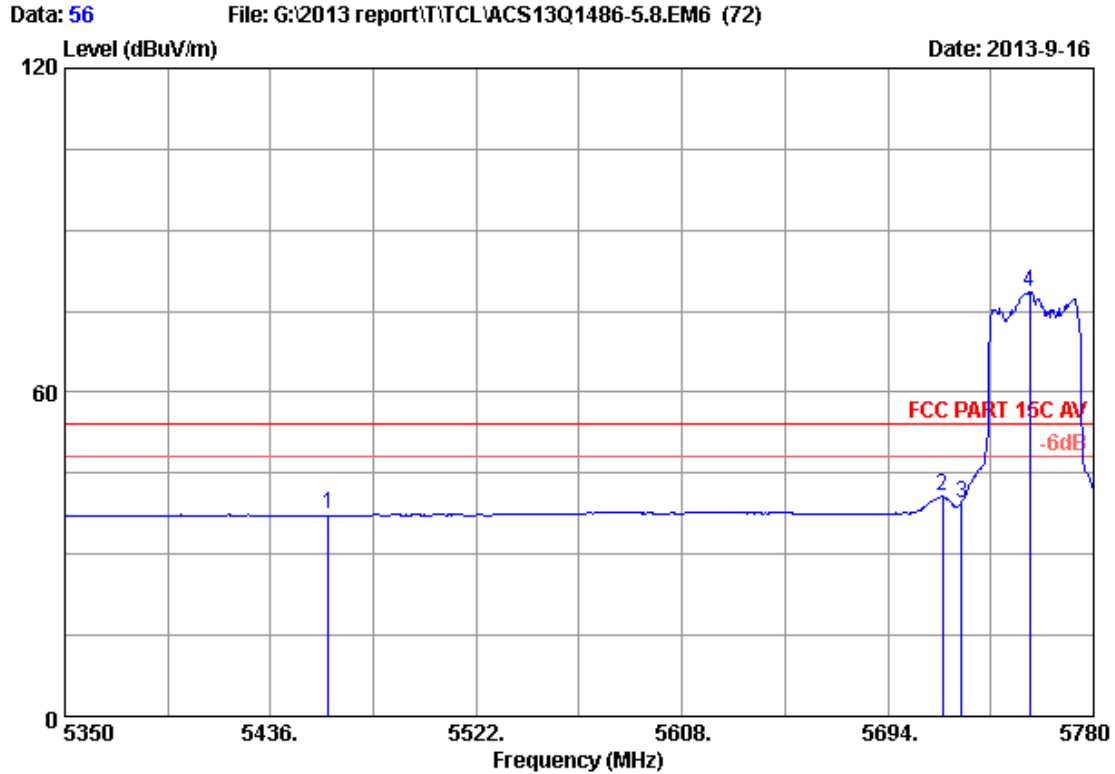


Site no. : 3m Chamber Data no. : 55
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 CH151 5755MHz Tx
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.000	33.94	9.25	35.70	40.97	48.46	74.00	25.54	Peak
2	5696.150	34.08	9.49	35.70	43.69	51.56	74.00	22.44	Peak
3	5725.000	34.09	9.52	35.70	42.43	50.34	74.00	23.66	Peak
4	5753.340	34.10	9.55	35.70	80.33	88.28	74.00	-14.28	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

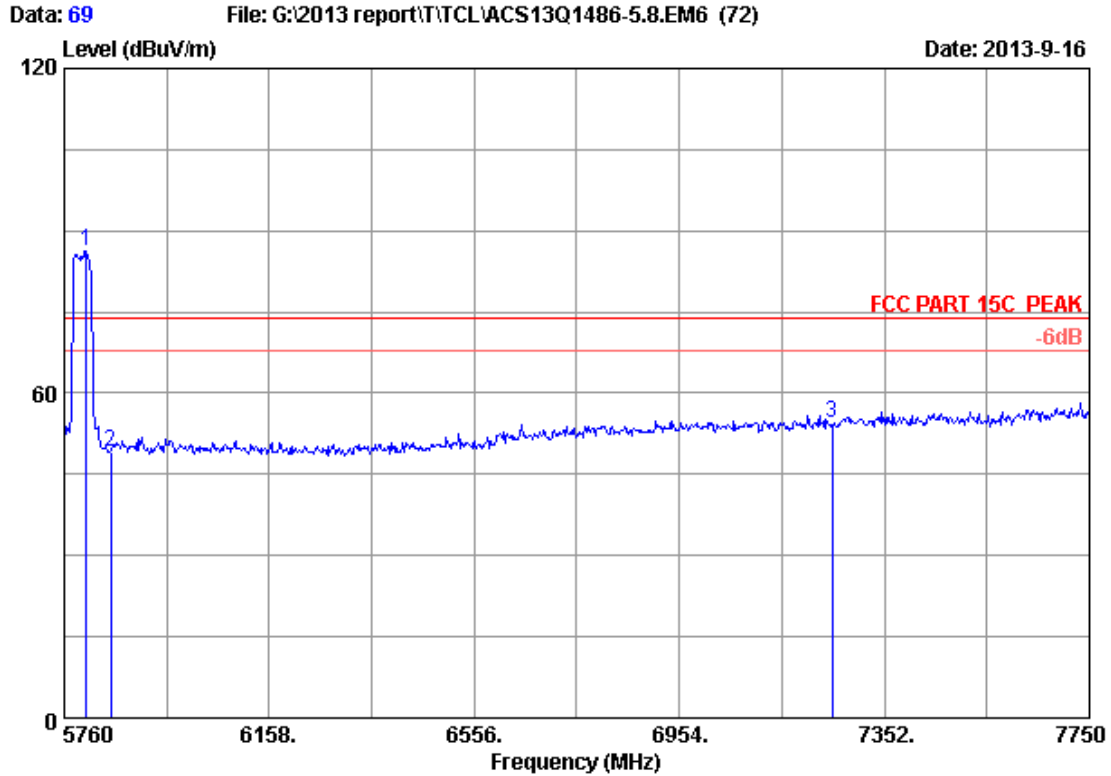


Site no. : 3m Chamber Data no. : 56
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23*C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 CH151 5755MHz Tx
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.000	33.94	9.25	35.70	29.86	37.35	54.00	16.65	Average
2	5716.790	34.09	9.52	35.70	32.81	40.72	54.00	13.28	Average
3	5725.000	34.09	9.52	35.70	31.70	39.61	54.00	14.39	Average
4	5753.340	34.10	9.55	35.70	70.56	78.51	54.00	-24.51	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

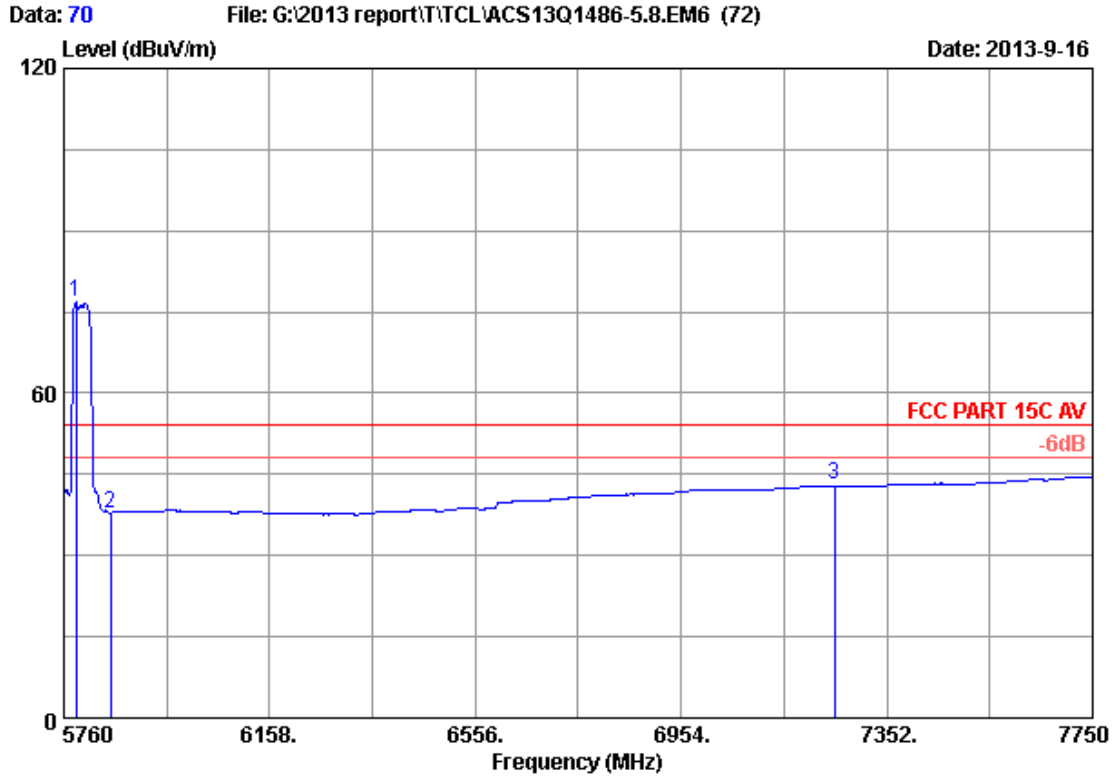


Site no. : 3m Chamber Data no. : 69
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 CH159 5795MHz Tx
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5803.780	34.12	9.61	35.70	78.35	86.38	74.00	-12.38	Peak
2	5850.000	34.14	9.66	35.70	41.18	49.28	74.00	24.72	Peak
3	7250.000	36.05	10.99	35.45	42.74	54.33	74.00	19.67	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

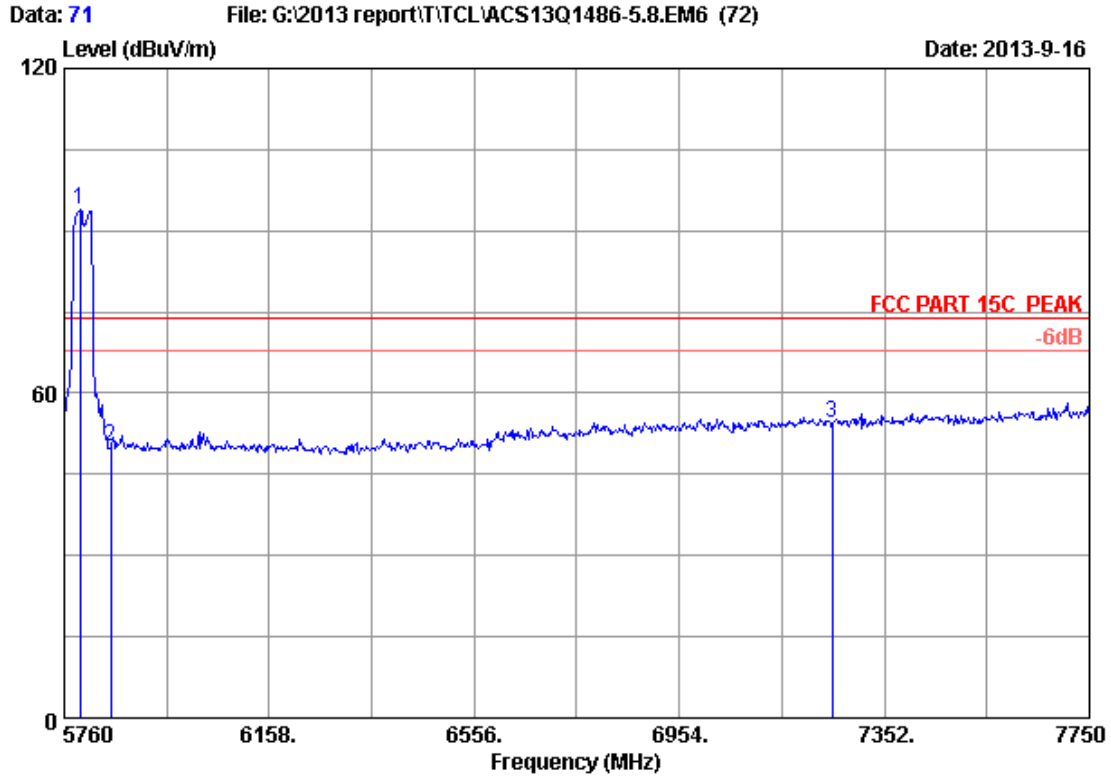


Site no. : 3m Chamber Data no. : 70
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 CH159 5795MHz Tx
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5783.880	34.11	9.59	35.70	68.92	76.92	54.00	-22.92	Average
2	5850.000	34.14	9.66	35.70	29.76	37.86	54.00	16.14	Average
3	7250.000	36.05	10.99	35.45	31.50	43.09	54.00	10.91	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

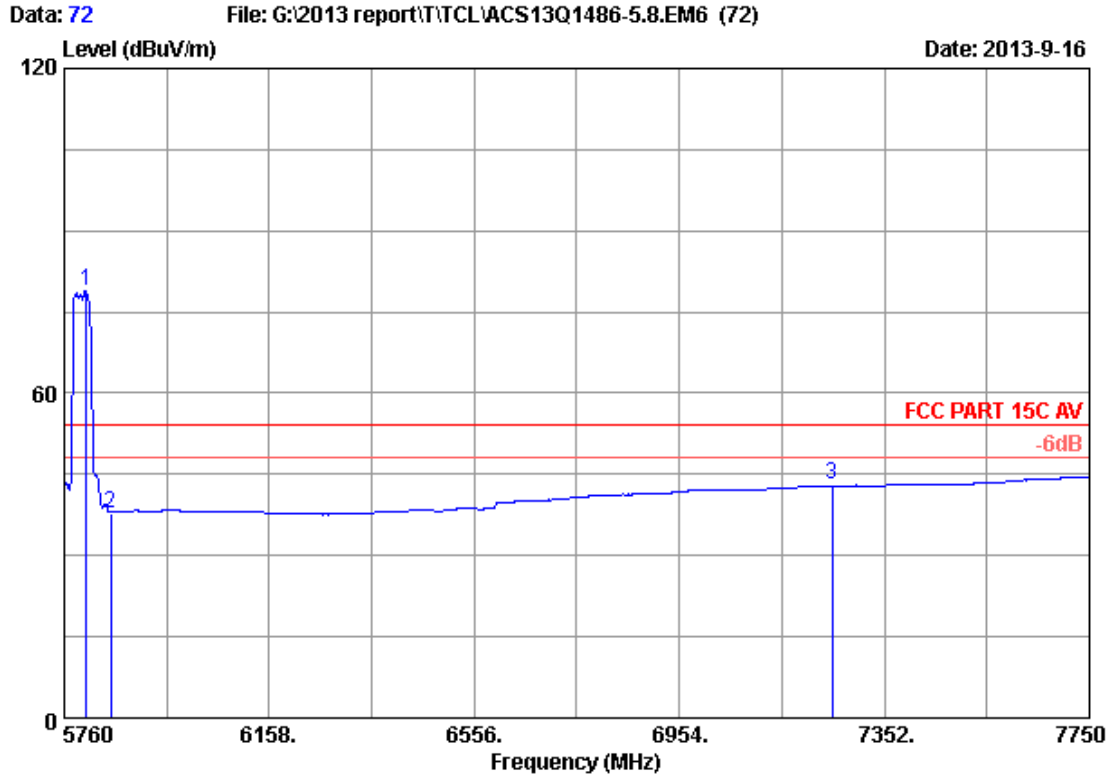


Site no. : 3m Chamber Data no. : 71
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 CH159 5795MHz Tx
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5789.850	34.12	9.59	35.70	85.93	93.94	74.00	-19.94	Peak
2	5850.000	34.14	9.66	35.70	41.89	49.99	74.00	24.01	Peak
3	7250.000	36.05	10.99	35.45	42.76	54.35	74.00	19.65	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 72
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 CH159 5795MHz Tx
 WAE22-DF01-AR

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5803.780	34.12	9.61	35.70	70.90	78.93	54.00	-24.93	Average
2	5850.000	34.14	9.66	35.70	29.83	37.93	54.00	16.07	Average
3	7250.000	36.05	10.99	35.45	31.51	43.10	54.00	10.90	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

7. 6dB Bandwidth Test

7.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	PXA Signal Analyzer	Agilent	N9030A	MY51380221	Oct.31, 12	1 Year
2	Horn Antenna	EMCO	3115	9510-4580	May.28, 13	1 Year
3	HF Cable	Hubersuhner	Sucoflex104	-	May.08, 13	1 Year

7.2. Limit

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500kHz

7.3. Test Procedure

The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 300kHz RBW and 1MHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

7.4. Test Results

2.4G:

EUT:WIFI Module		
M/N: WAE22-DF01-AR		
Test date: 2013-09-13	Pressure: 101.2±1.0 kpa	Humidity: 48.4±3.0%
Tested by: Leo-Li	Test site: RF site	Temperature:20.7±0.6 °C

Cable loss: 1 dB		Attenuator loss: 20 dB		
Test Mode	CH	6dB bandwidth (MHz)		Limit (KHz)
		ANT0	ANT1	
11b	CH1	10.37	10.25	>500
	CH6	10.37	10.25	>500
	CH11	10.37	10.25	>500
11g	CH1	16.63	16.47	>500
	CH6	16.57	16.45	>500
	CH11	16.63	16.44	>500
11n HT20	CH1	17.76	17.63	>500
	CH6	17.76	17.66	>500
	CH11	17.82	17.62	>500
11n HT40	CH1	36.53	36.45	>500
	CH4	36.47	36.51	>500
	CH7	36.47	36.49	>500
Conclusion : PASS				

5.8G:

EUT:WIFI Module		
M/N:WAE22-DF01-AR		
Test date: 2013-09-15	Pressure: 101.1±1.0 kpa	Humidity: 49.9±3.0%
Tested by: Kevin_Hu	Test site: RF site	Temperature:22.1±0.6 °C

Cable loss: 1 dB		Attenuator loss: 20 dB		
Test Mode	CH	6dB bandwidth (MHz)		Limit (KHz)
		Chain 0	Chain 1	
11a	CH149	16.43	16.56	>500
	CH157	16.55	16.56	>500
	CH165	16.49	16.54	>500
11n HT20	CH149	17.55	17.62	>500
	CH157	17.64	17.65	>500
	CH165	17.7	17.66	>500
11n HT40	CH151	35.78	35.93	>500
	CH159	35.91	35.38	>500

Conclusion : PASS

2.4G:

Chain 0:

Test Mode: IEEE 802.11b TX

Test CH1: 2412MHz



Test CH6: 2437MHz

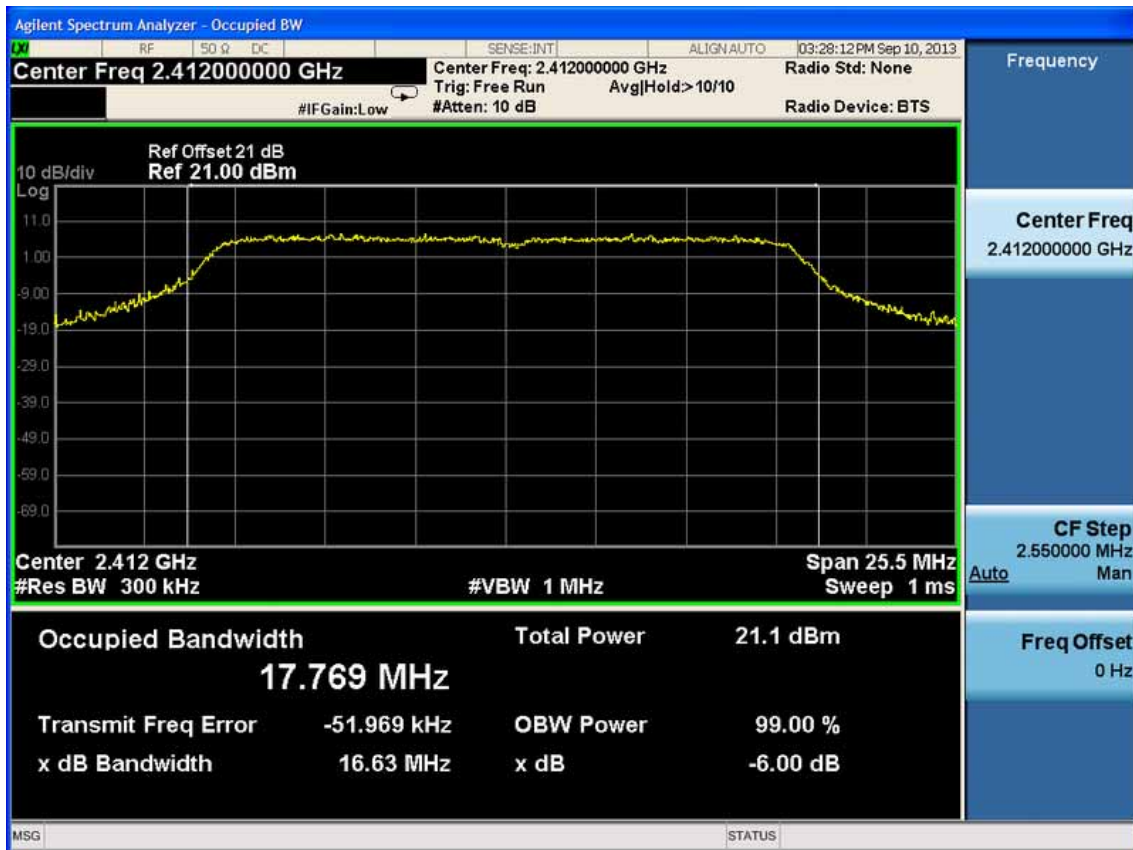


Test CH11: 2462MHz



Test Mode: IEEE 802.11g TX

Test CH1: 2412MHz



Test CH6: 2437MHz



Test CH11: 2462MHz



Test Mode: IEEE 802.11n HT20 TX
 Test CH1: 2412MHz



Test CH6: 2437MHz

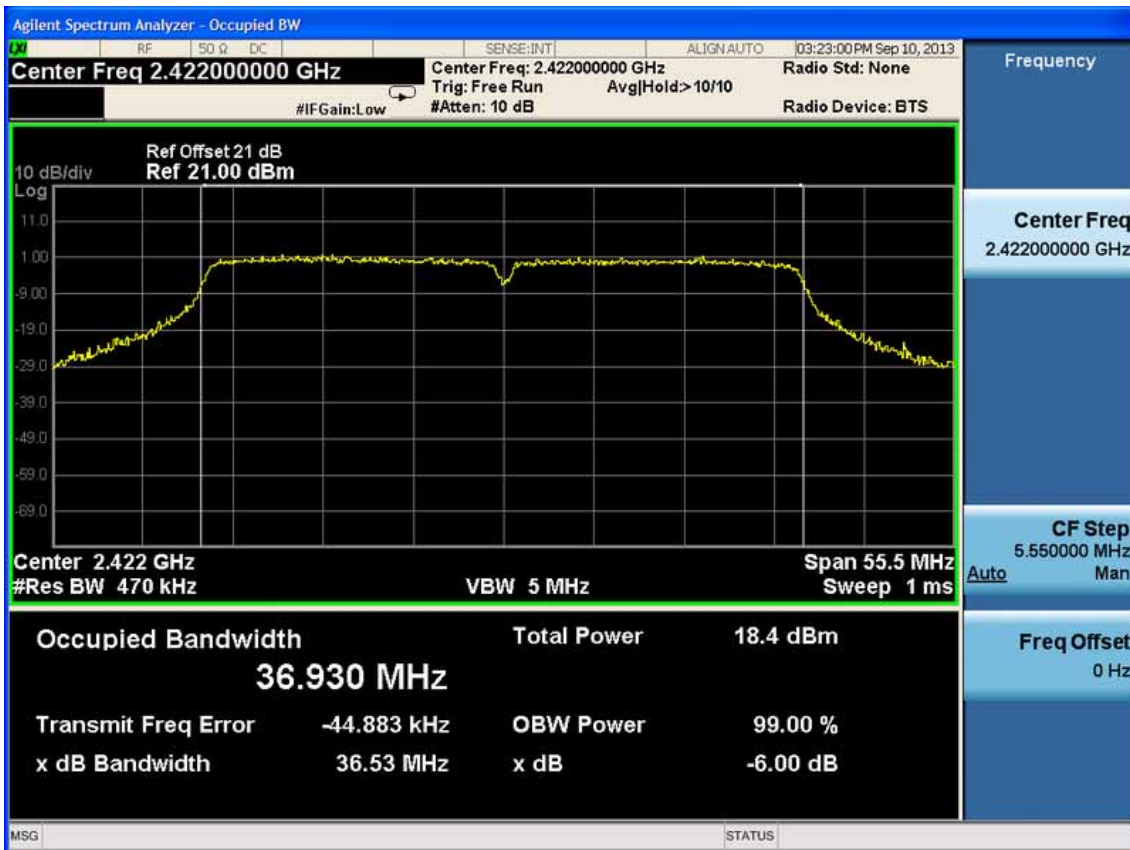


Test CH11: 2462MHz



Test Mode: IEEE 802.11n HT40 TX

Test CH1: 2422MHz



Test CH4: 2437MHz



Test CH7: 2452MHz



Chain 1:

Test Mode: IEEE 802.11b TX

Test CH1: 2412MHz



Test CH6: 2437MHz

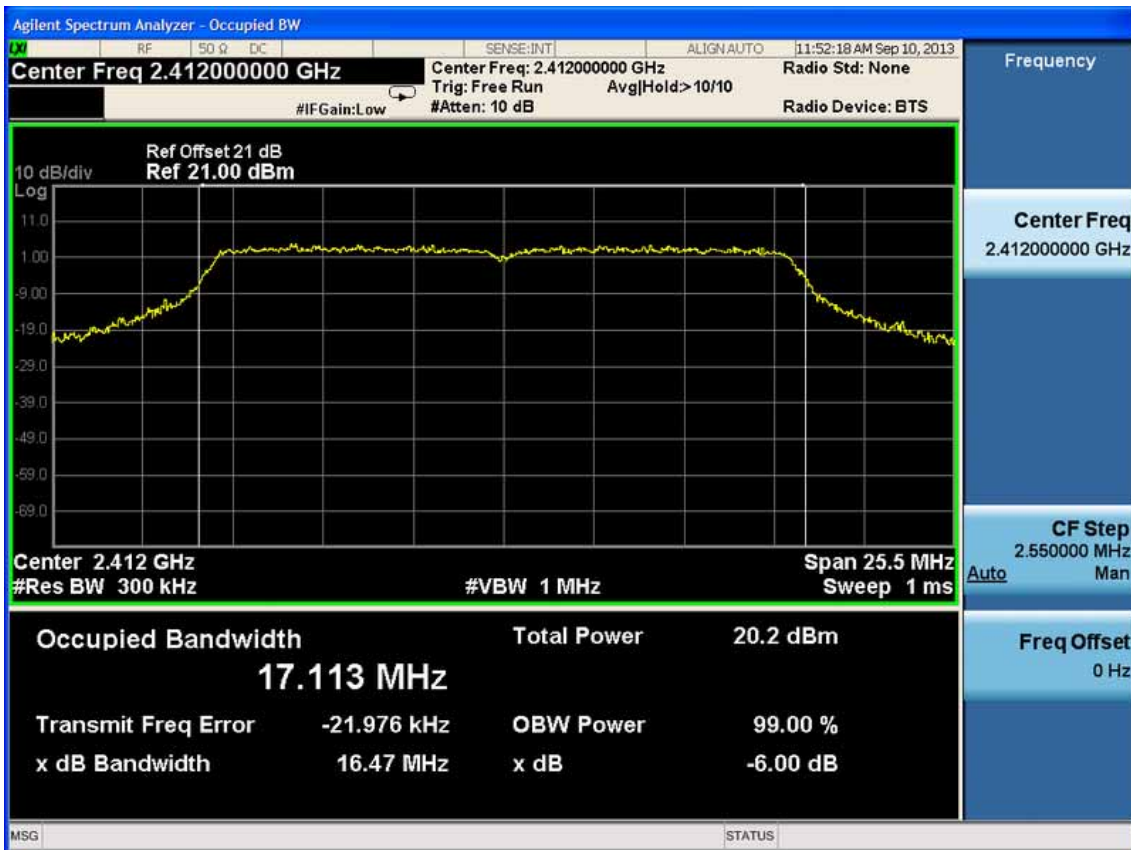


Test CH11: 2462MHz

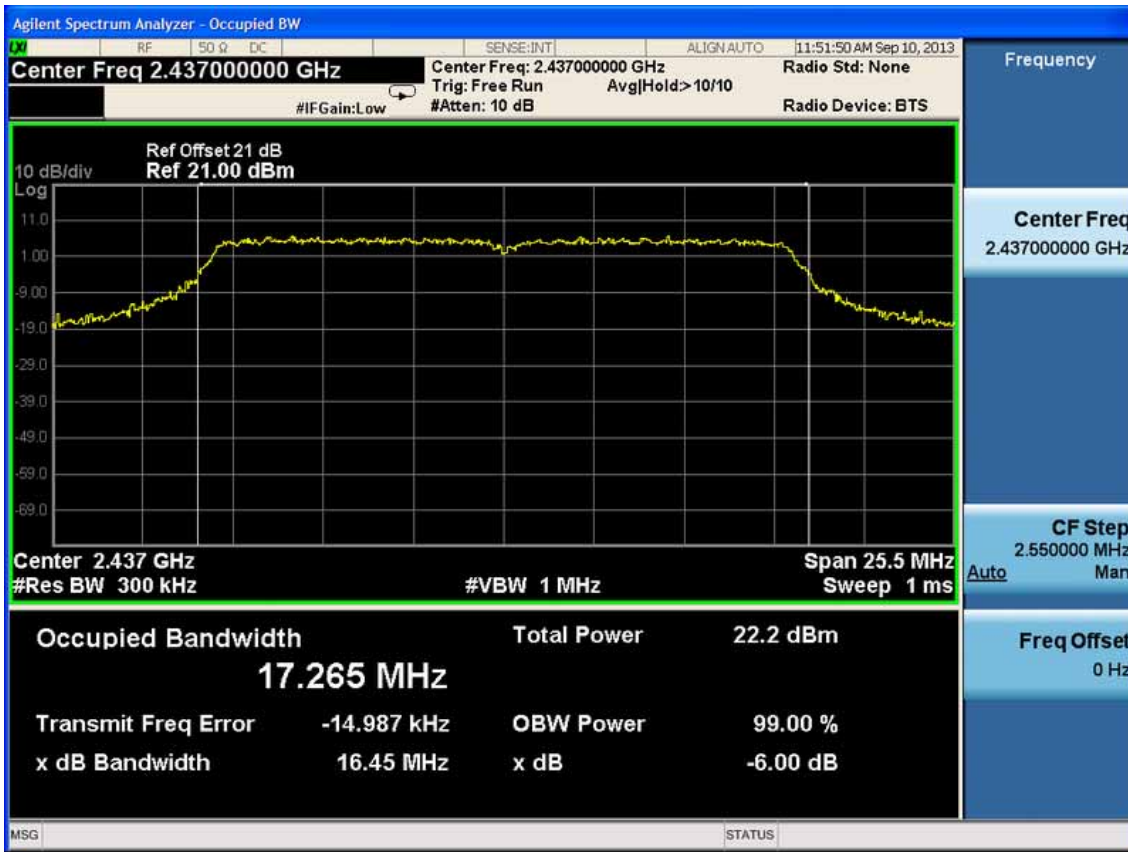


Test Mode: IEEE 802.11g TX

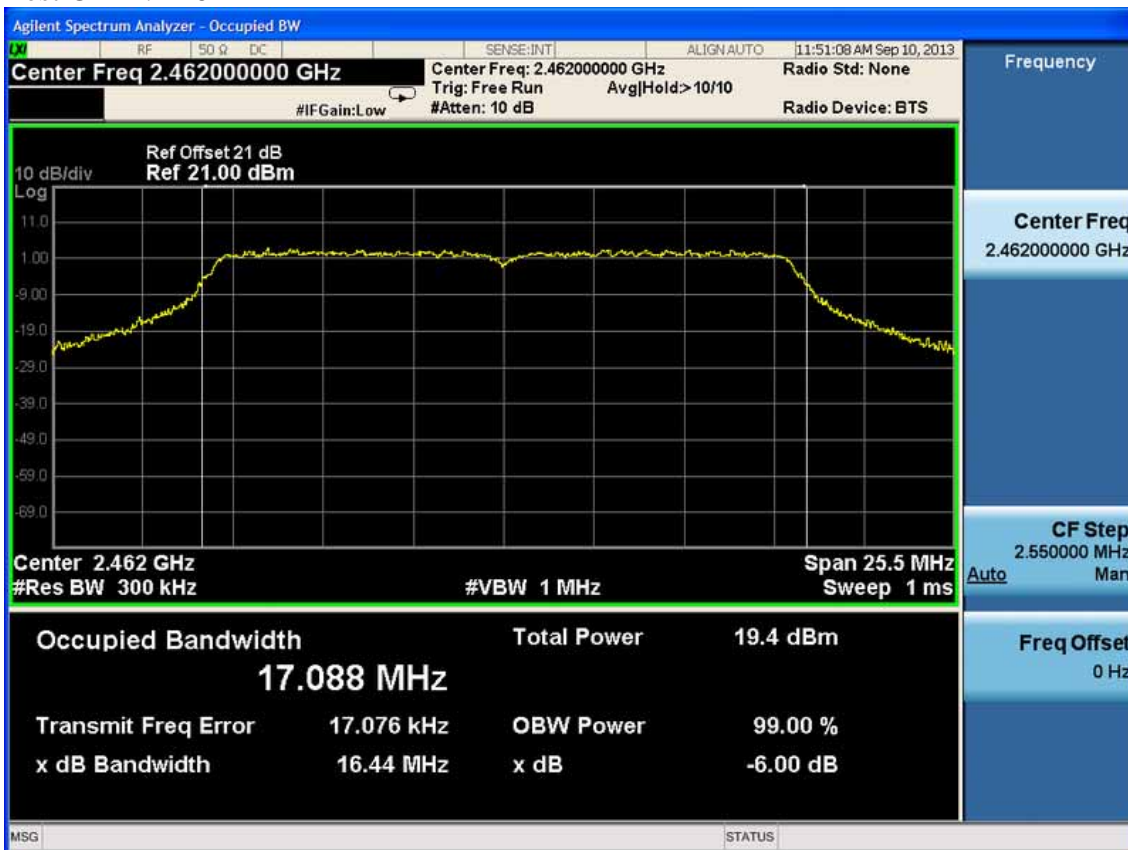
Test CH1: 2412MHz



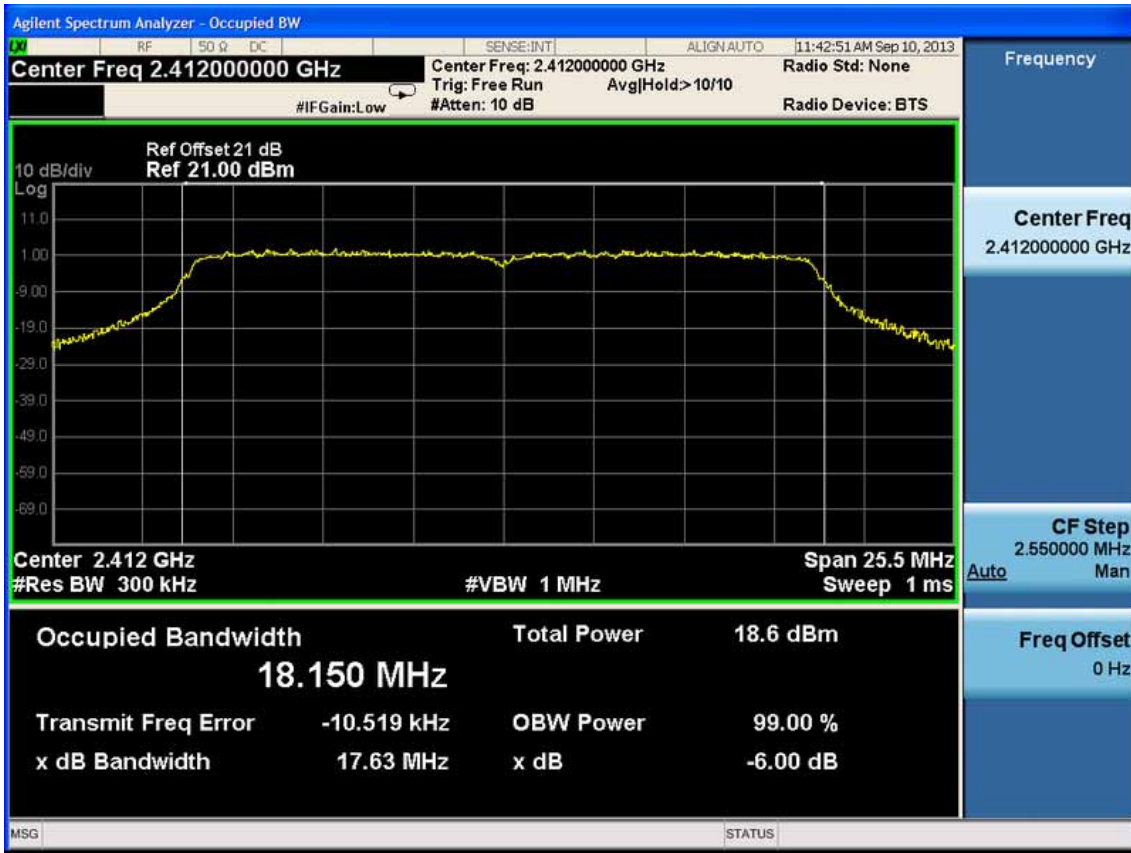
Test CH6: 2437MHz



Test CH11: 2462MHz



Test Mode: IEEE 802.11n HT20 TX
 Test CH1: 2412MHz



Test CH6: 2437MHz

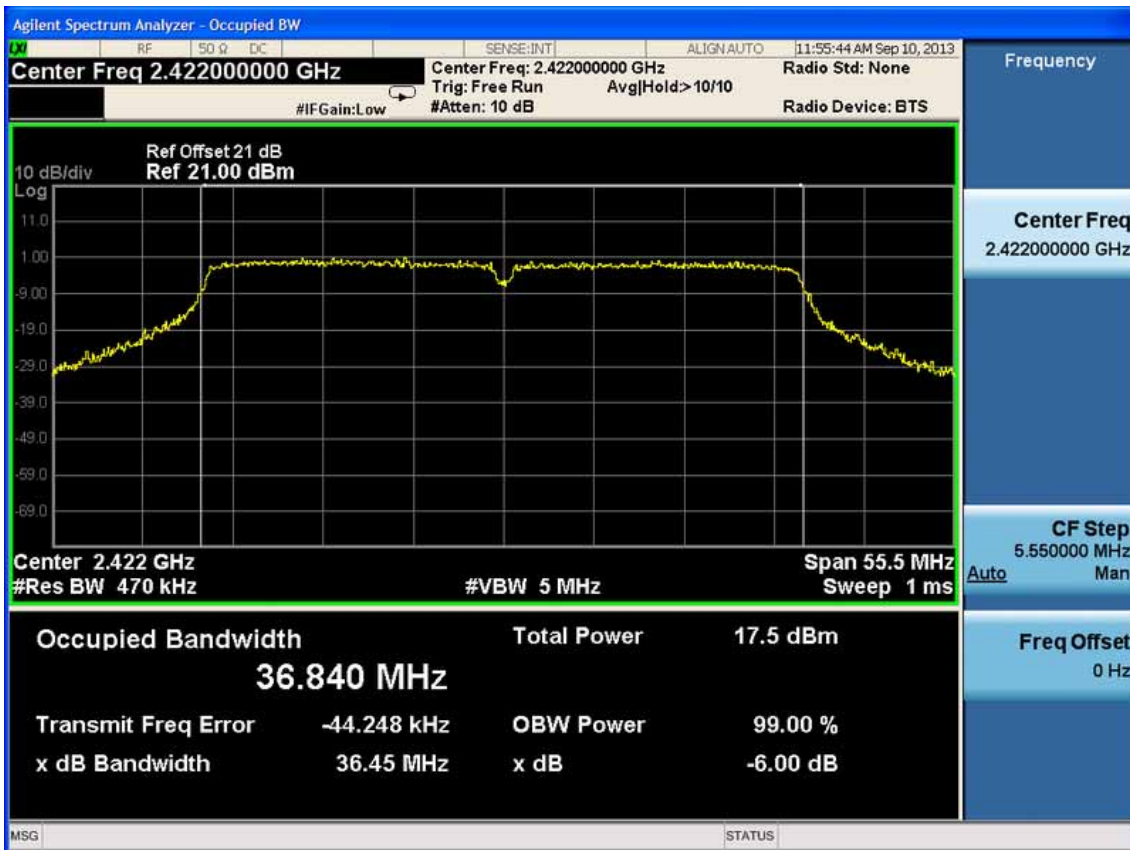


Test CH11: 2462MHz



Test Mode: IEEE 802.11n HT40 TX

Test CH1: 2422MHz



Test CH4: 2437MHz



Test CH7: 2452MHz

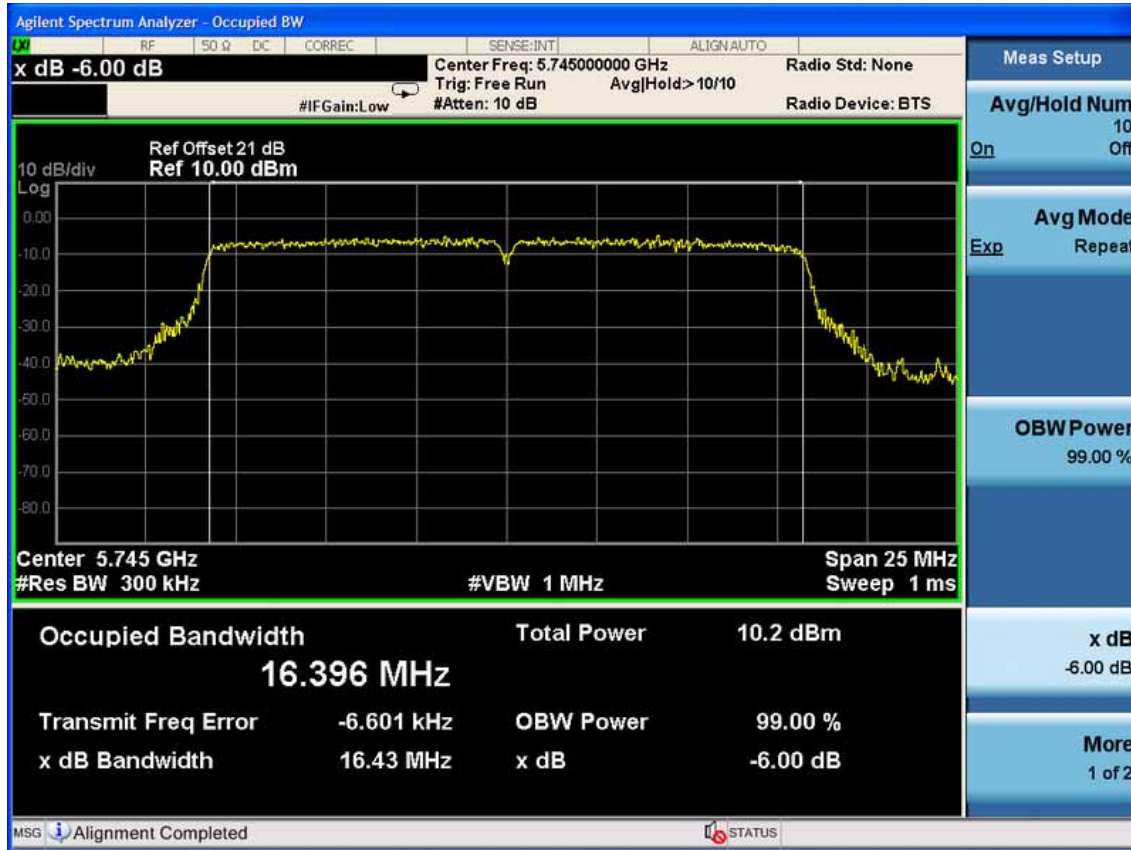


5.8G:

Chain 0:

Test Mode: IEEE 802.11a TX

Test CH149: 5745MHz



Test CH157: 5785MHz

