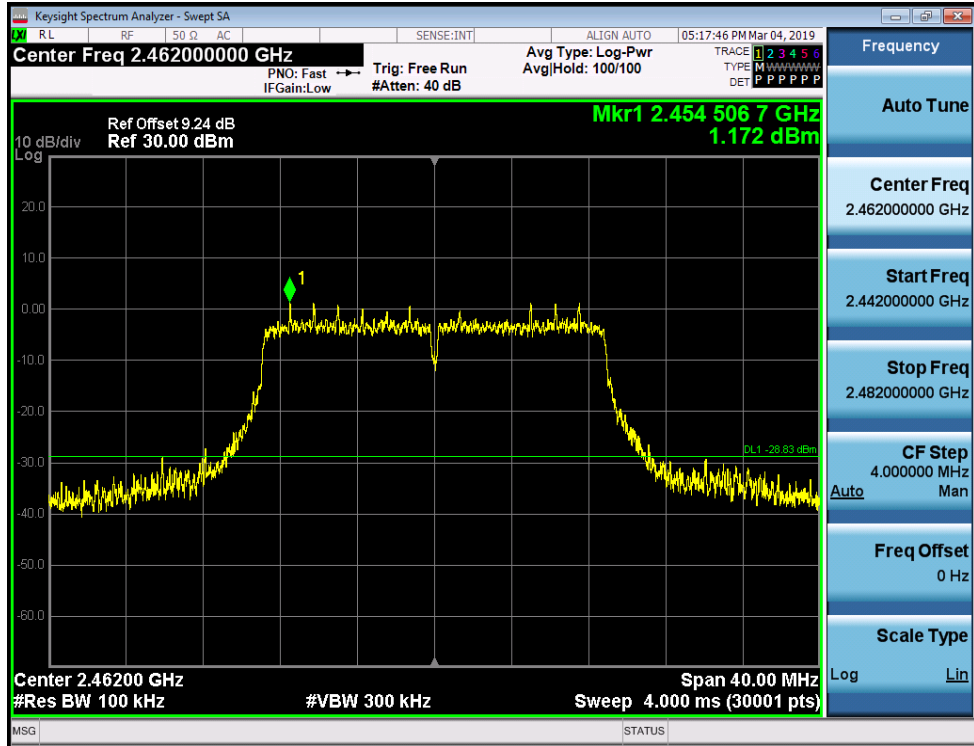
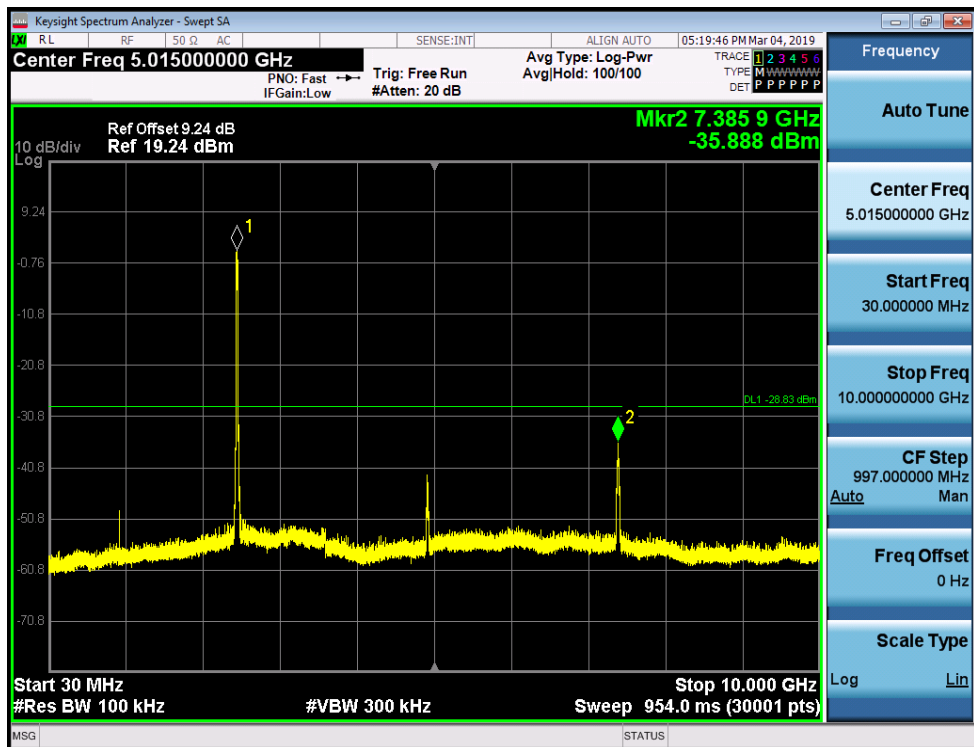


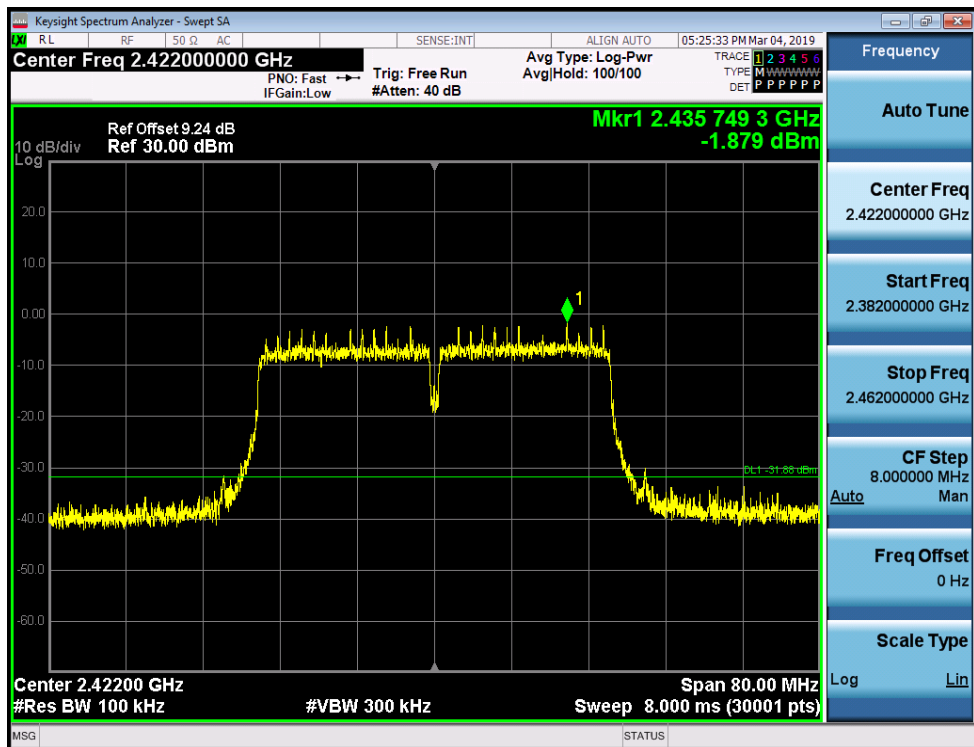
## 11N20\_HCH\_Graphs

 Pref/11N20/HC  
H

 Puw/11N20/HC  
H


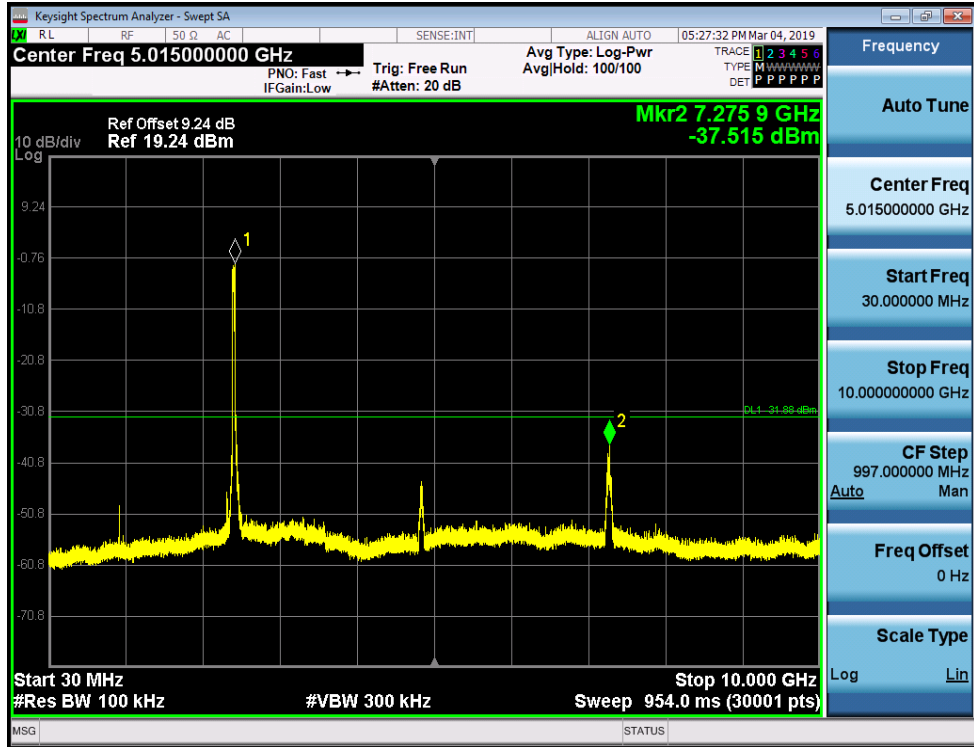


11N40\_LCH\_Graphs

Pref/11N40/LC  
H

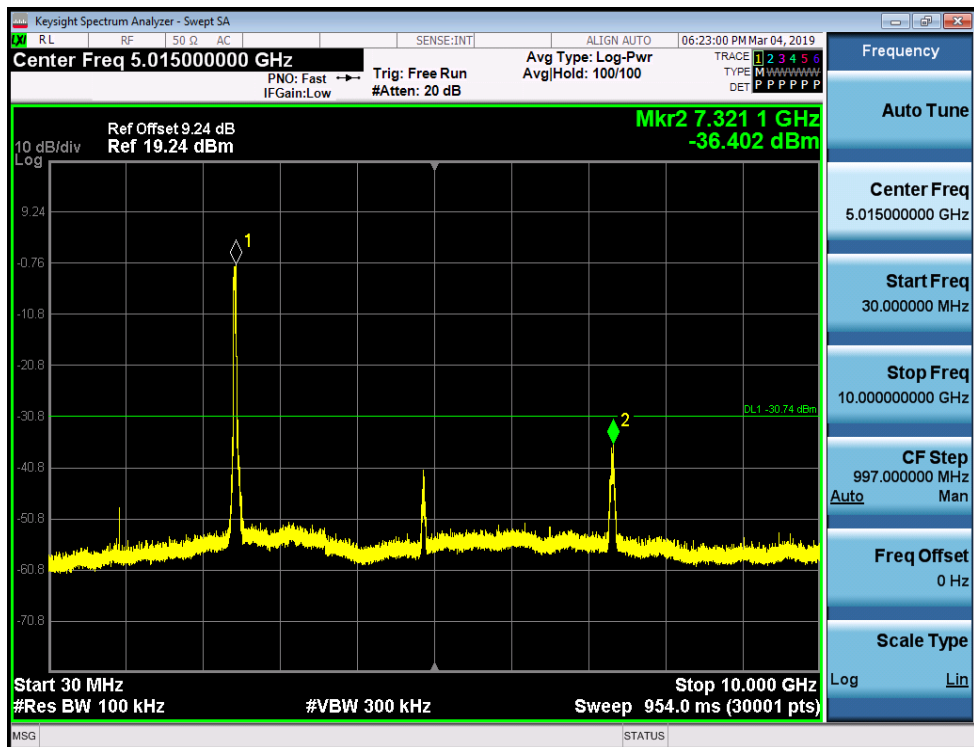


Puw/11N40/LC  
H



## 11N40\_MCH\_Graphs

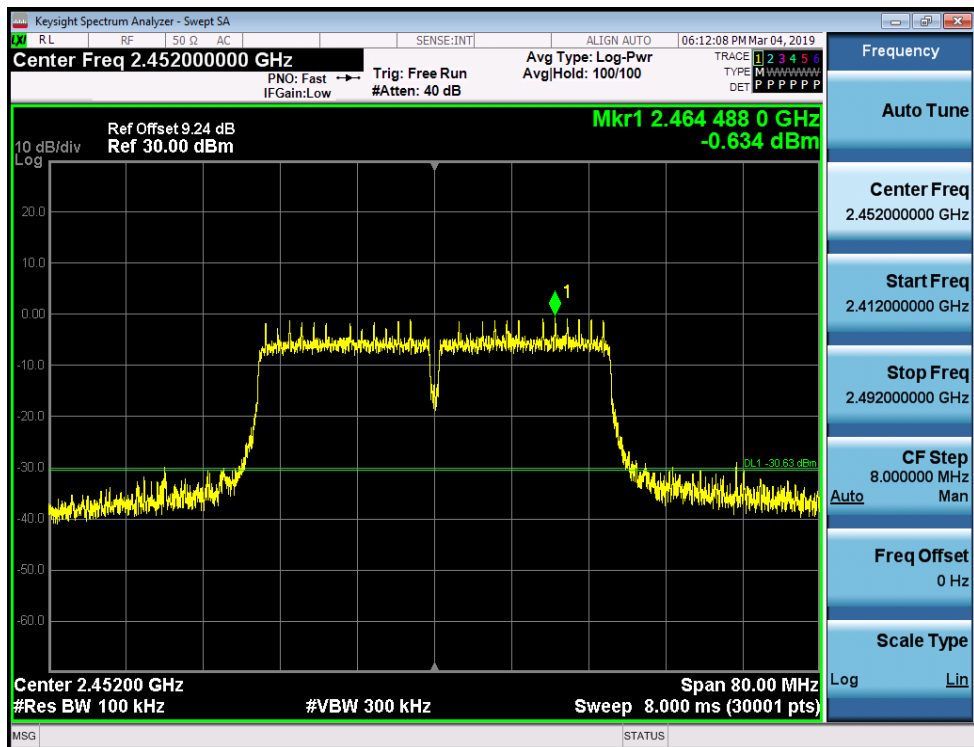
 Pref/11N40/MC  
H

 Puw/11N40/M  
CH


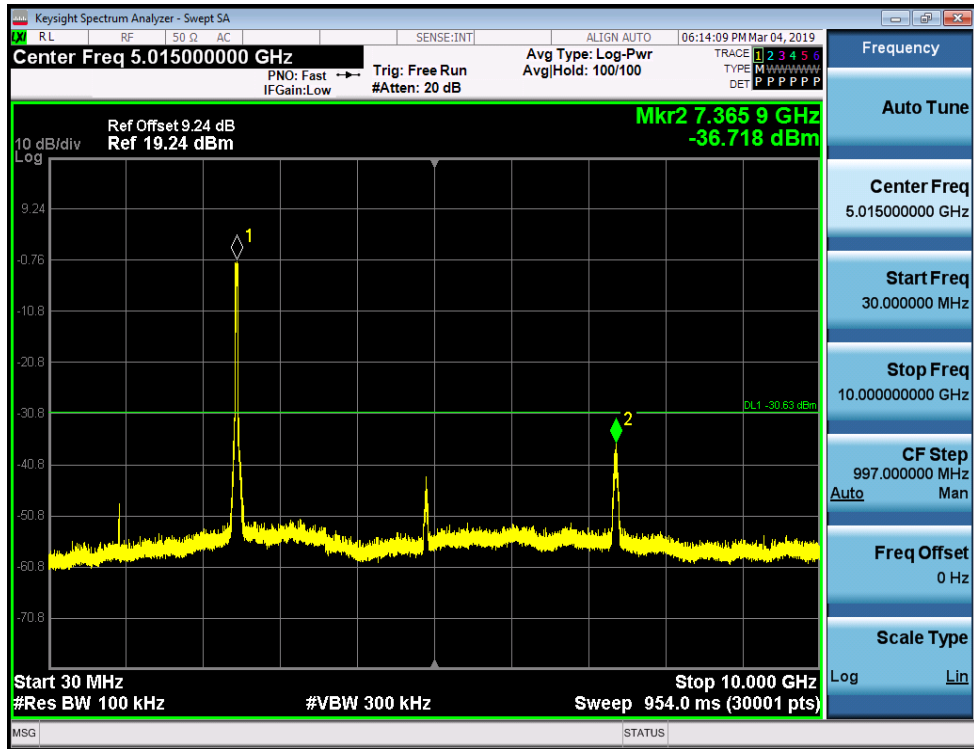


11N40\_HCH\_Graphs

Pref/11N40/HC  
H



Puw/11N40/HC  
H



## 4.5 Radiated Band Edges and Spurious Emission Measurement

### 4.5.1 Limit of Radiated Band Edges and Spurious Emission

FCC §15.247 (d)

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. In addition, radiated emissions which fall in the restricted bands must also comply with the FCC section 15.209 limits as below.

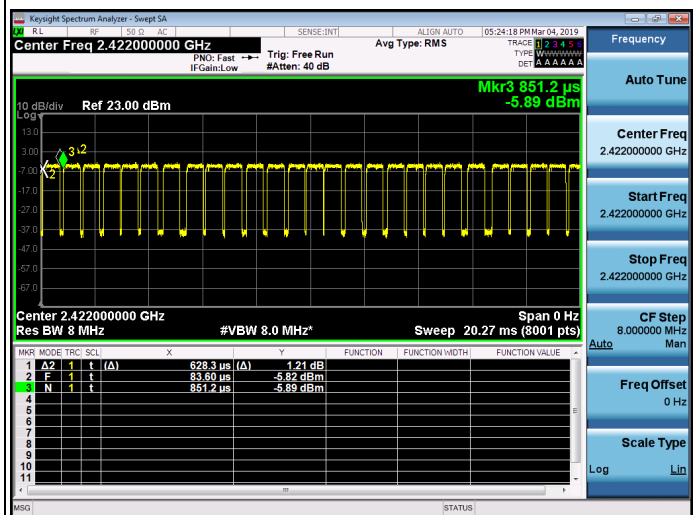
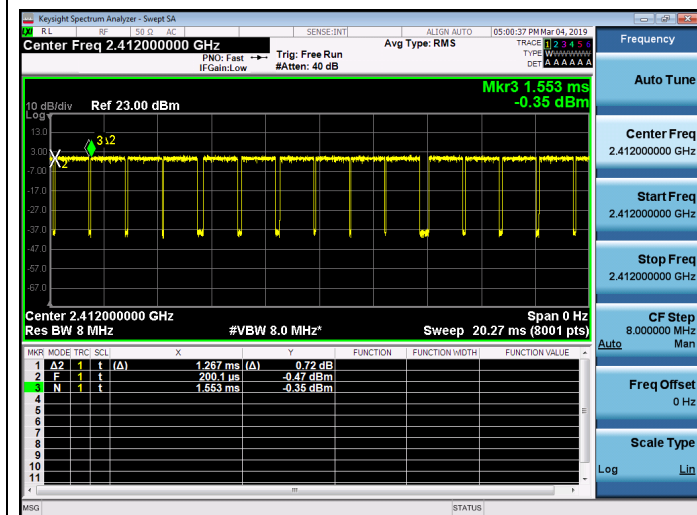
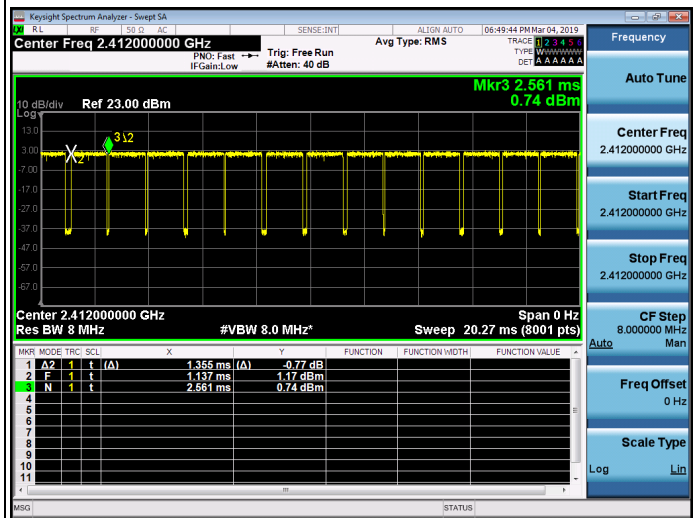
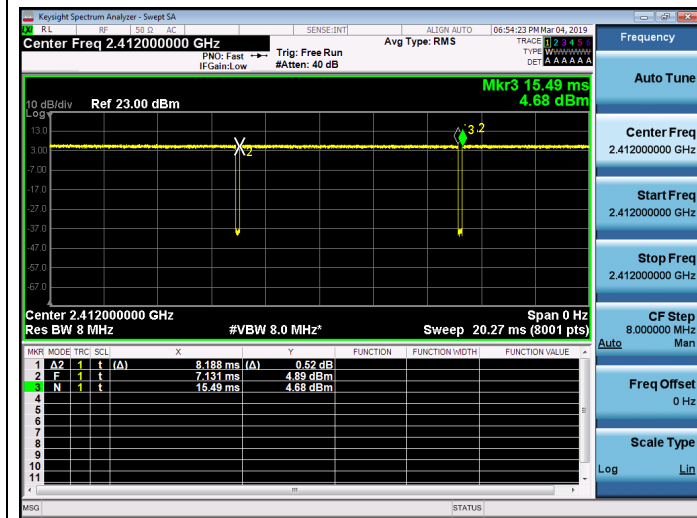
Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

#### 4.5.2 Test Procedures

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The measurement distance is 3 meter.
3. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
4. Set to the maximum power setting and enable the EUT transmit continuously.
5. Use the following spectrum analyzer settings:
  - (1) Span shall wide enough to fully capture the emission being measured;
  - (2) Set RBW=100 kHz for  $f < 1$  GHz, RBW=1MHz for  $f > 1$ GHz ; VBW  $\geq$  RBW; Sweep = auto; Detector function = peak; Trace = max hold for peak
  - (3) For average measurement:  
VBW = 10 Hz, when duty cycle is no less than 98 percent.  
VBW  $\geq 1/T$ , when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.



Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11b	97.95	8.188	0.122	1kHz
802.11g	95.20	1.355	0.738	1kHz
2.4GHz 802.11n HT20	93.63	1.267	0.789	1kHz
2.4GHz 802.11n HT40	89.21	0.628	1.592	2kHz



6. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

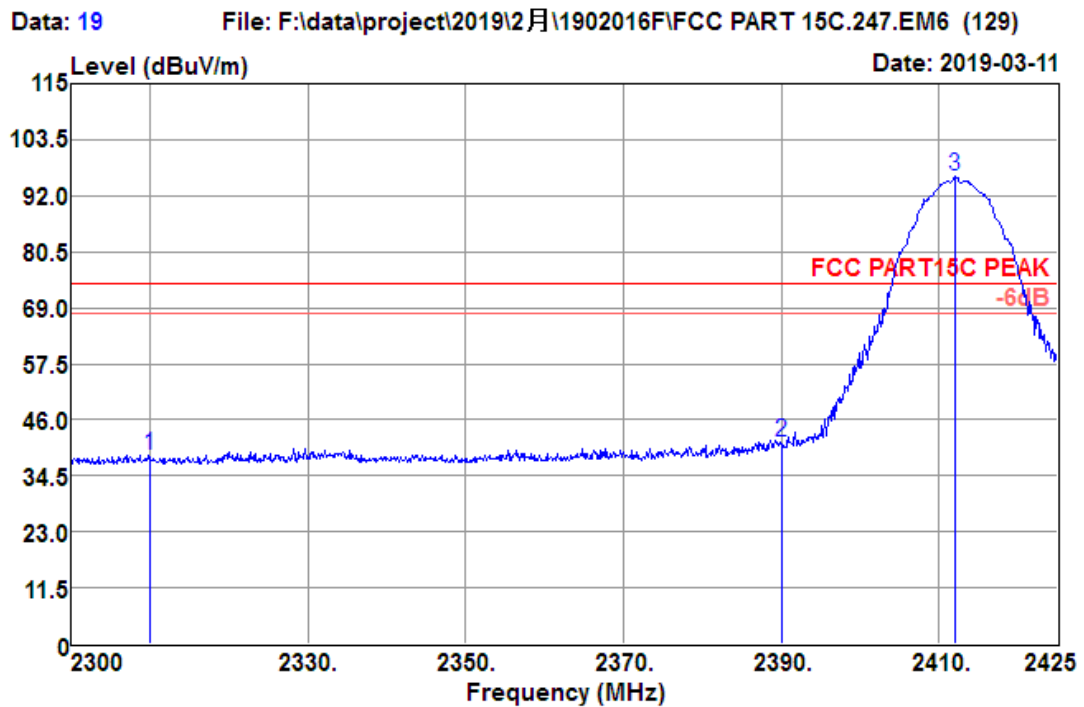
#### 4.5.3 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

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

#### 4.5.4 Test Result of Radiated Spurious at Band Edges

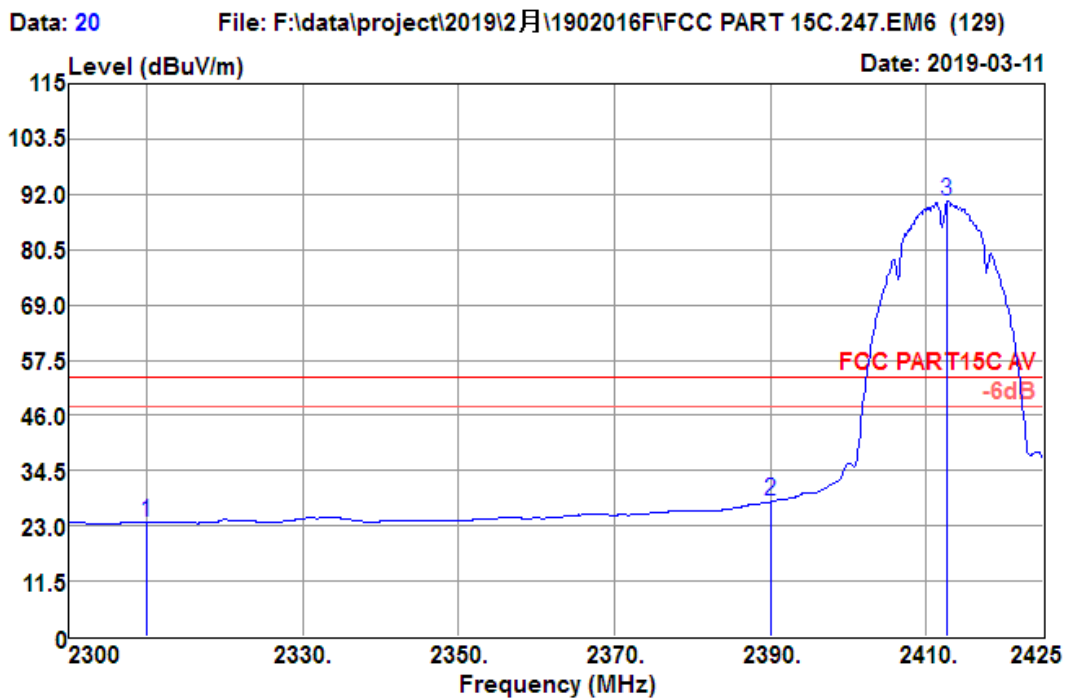
##### 802.11b mode

Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60Hz
-----		-----	
EUT	: Smart Camera	Pol/Phase	: VERTICAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----		-----	
Test Mode	: 802.11b CH01(2412MHz)		
-----		-----	



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2310.000	43.92	26.91	3.56	35.87	38.52	74.00	-35.48	Peak
2390.000	46.77	27.11	3.64	36.08	41.44	74.00	-32.56	Peak
2412.000	101.26	27.17	3.65	36.14	95.94	74.00	21.94	Peak

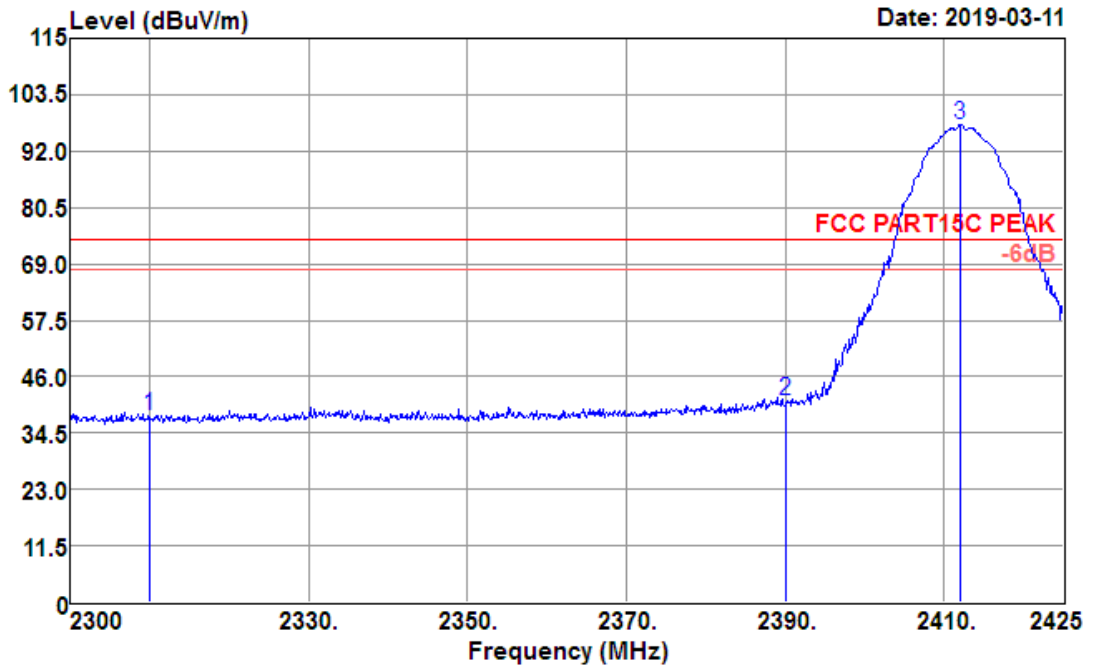
Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH01(2412MHz)		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Limit level dBuV	Limit level dBuV/m	Over limit dB	Remark
2310.000	29.33	26.91	3.56	35.87	23.93	54.00	-30.07	Average
2390.000	33.46	27.11	3.64	36.08	28.13	54.00	-25.87	Average
2412.750	95.95	27.17	3.65	36.14	90.63	54.00	36.63	Average

Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH01(2412MHz)		

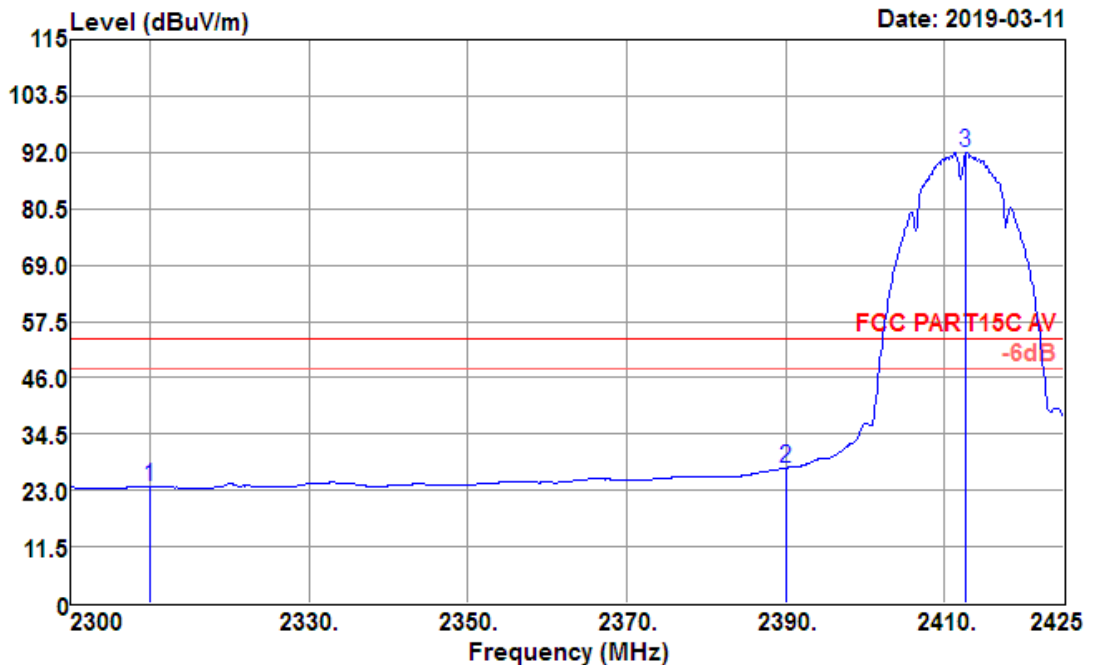
Data: 16 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129)



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2310.000	43.31	26.91	3.56	35.87	37.91	74.00	-36.09	Peak
2390.000	46.35	27.11	3.64	36.08	41.02	74.00	-32.98	Peak
2412.000	102.84	27.17	3.65	36.14	97.52	74.00	23.52	Peak

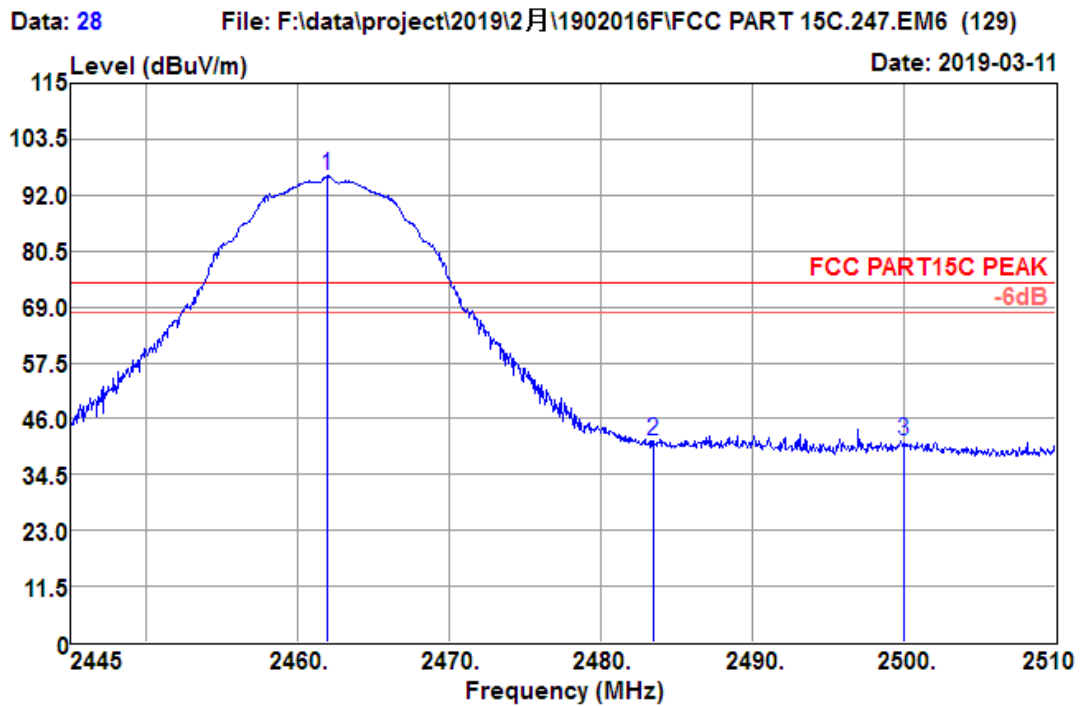
Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH01(2412MHz)		

Data: 17 File: F:\data\project2019\12月\1902016F\FCC PART 15C.247.EM6 (129)



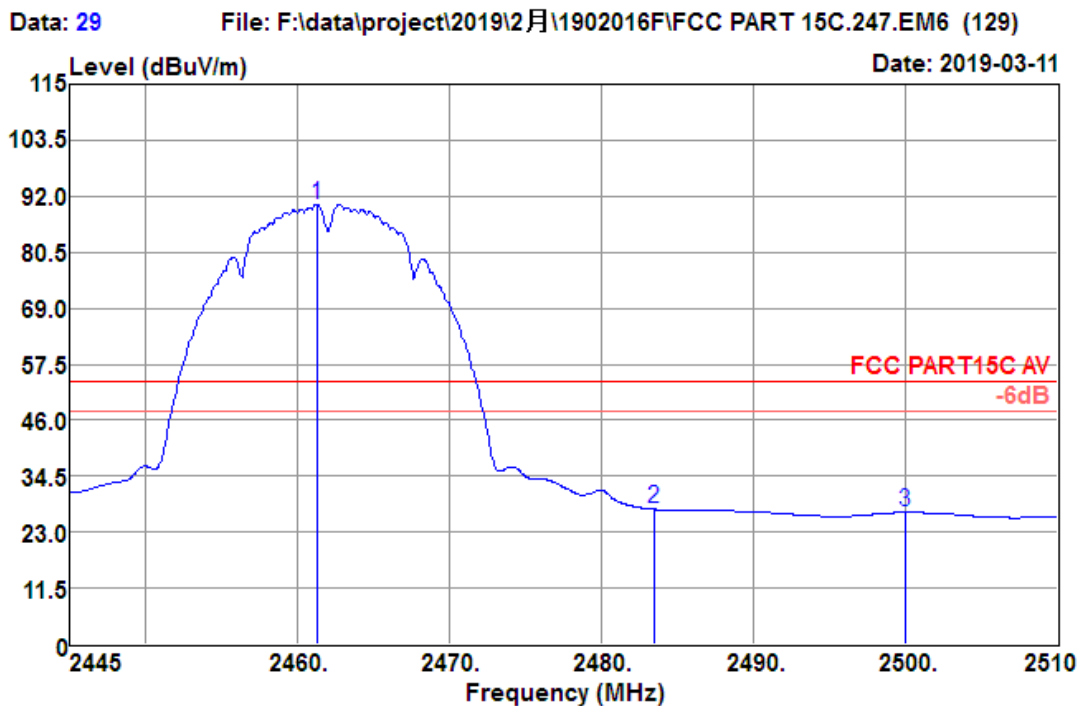
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2310.000	29.31	26.91	3.56	35.87	23.91	54.00	-30.09	Average
2390.000	32.98	27.11	3.64	36.08	27.65	54.00	-26.35	Average
2412.750	97.29	27.17	3.65	36.14	91.97	54.00	37.97	Average

Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH11(2462MHz)		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2461.965	101.22	27.30	3.67	36.27	95.92	74.00	21.92	Peak
2483.500	46.85	27.36	3.68	36.33	41.56	74.00	-32.44	Peak
2500.000	46.68	27.40	3.68	36.37	41.39	74.00	-32.61	Peak

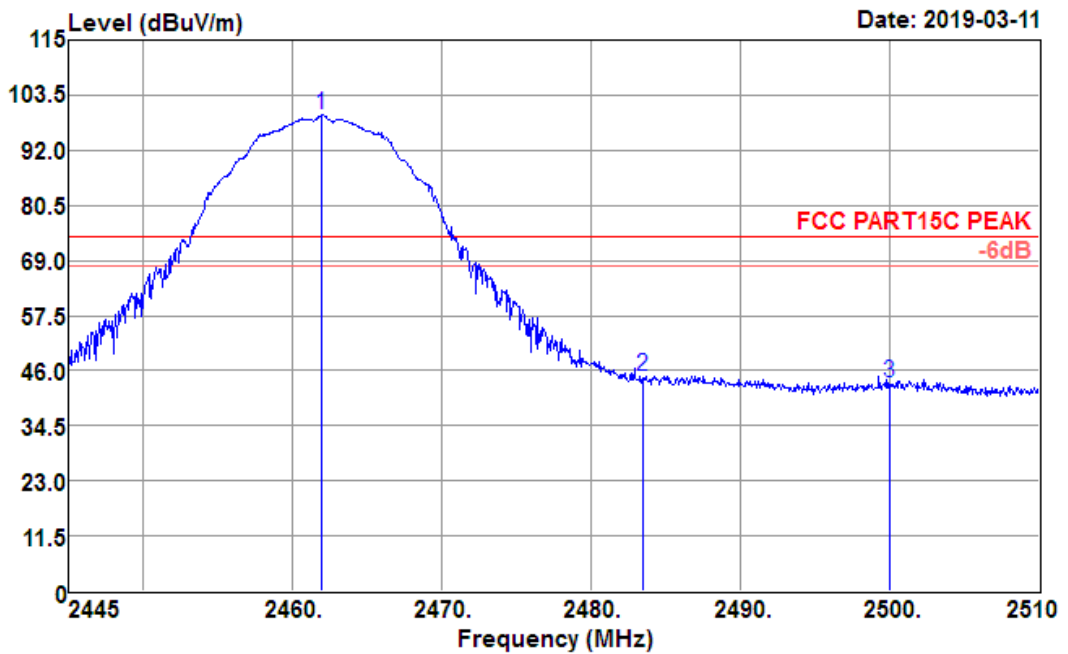
Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH11(2462MHz)		



Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV	Limit level dBUV/m	Over limit dB	Remark
2461.250	95.60	27.30	3.67	36.27	90.30	54.00	36.30	Average
2483.500	33.05	27.36	3.68	36.33	27.76	54.00	-26.24	Average
2500.000	32.35	27.40	3.68	36.37	27.06	54.00	-26.94	Average

Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH11(2462MHz)		

Data: 31 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129)

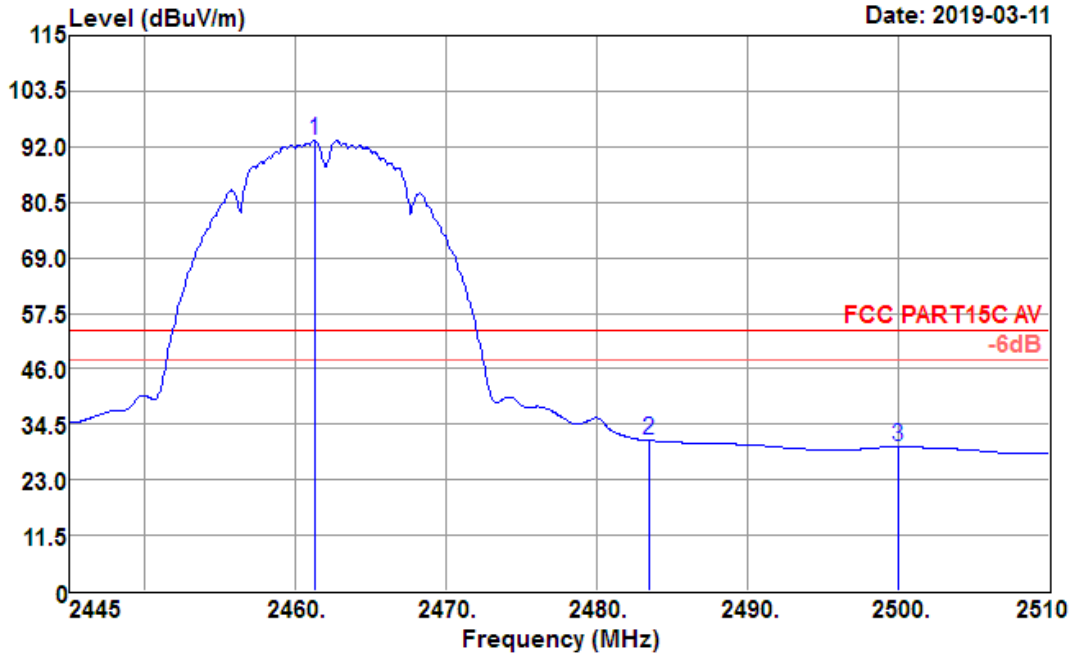


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2461.965	104.67	27.30	3.67	36.27	99.37	74.00	25.37	Peak
2483.500	50.03	27.36	3.68	36.33	44.74	74.00	-29.26	Peak
2500.000	48.74	27.40	3.68	36.37	43.45	74.00	-30.55	Peak



Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH11(2462MHz)		

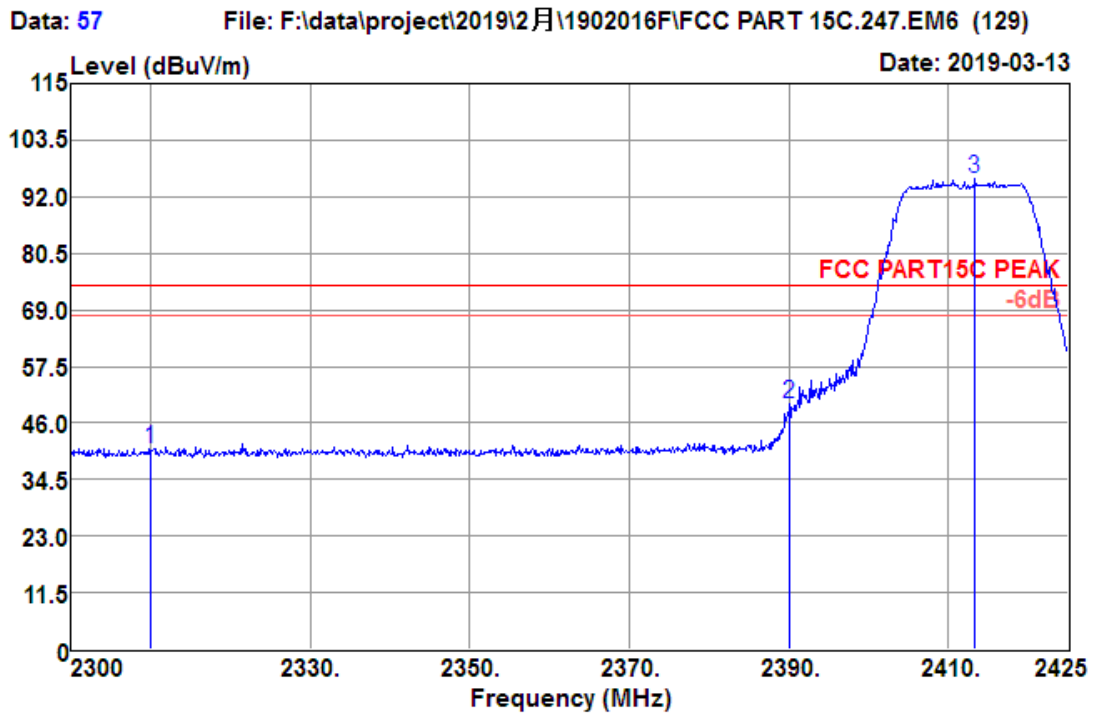
Data: 32 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-11



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2461.250	98.60	27.30	3.67	36.27	93.30	54.00	39.30	Average
2483.500	36.48	27.36	3.68	36.33	31.19	54.00	-22.81	Average
2500.000	35.20	27.40	3.68	36.37	29.91	54.00	-24.09	Average

**802.11g mode**

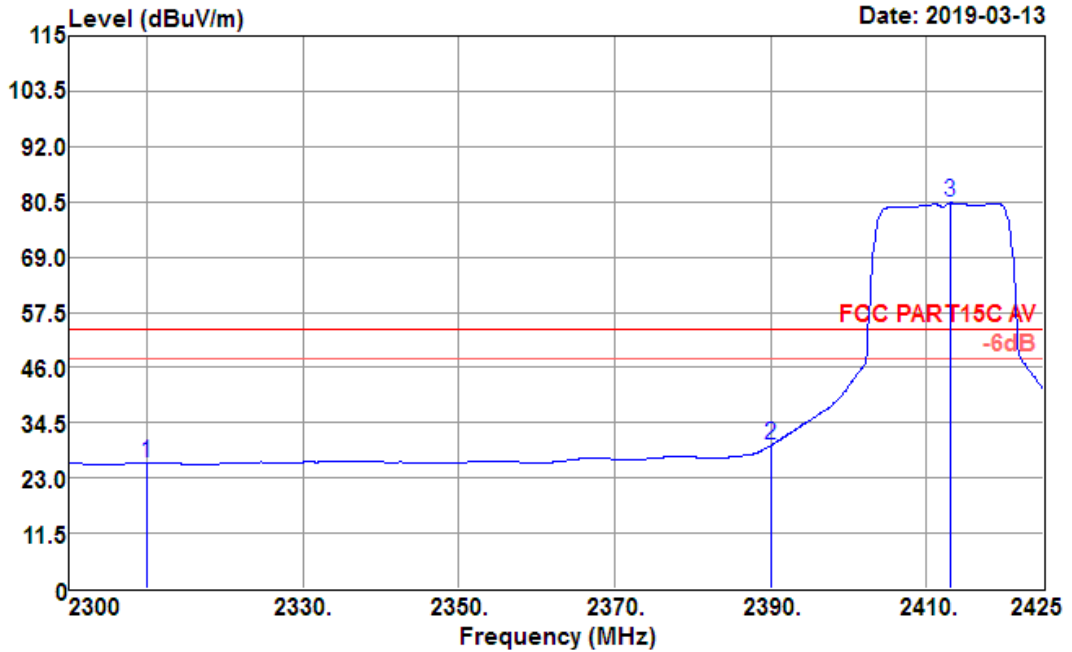
Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
Tested by	: Damon	Power rating:	AC120V/60HZ
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11g CH01(2412MHz)		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2310.000	46.18	26.91	3.56	35.87	40.78	74.00	-33.22	Peak
2390.000	55.14	27.11	3.64	36.08	49.81	74.00	-24.19	Peak
2413.375	100.86	27.17	3.65	36.14	95.54	74.00	21.54	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11g CH01(2412MHz)		

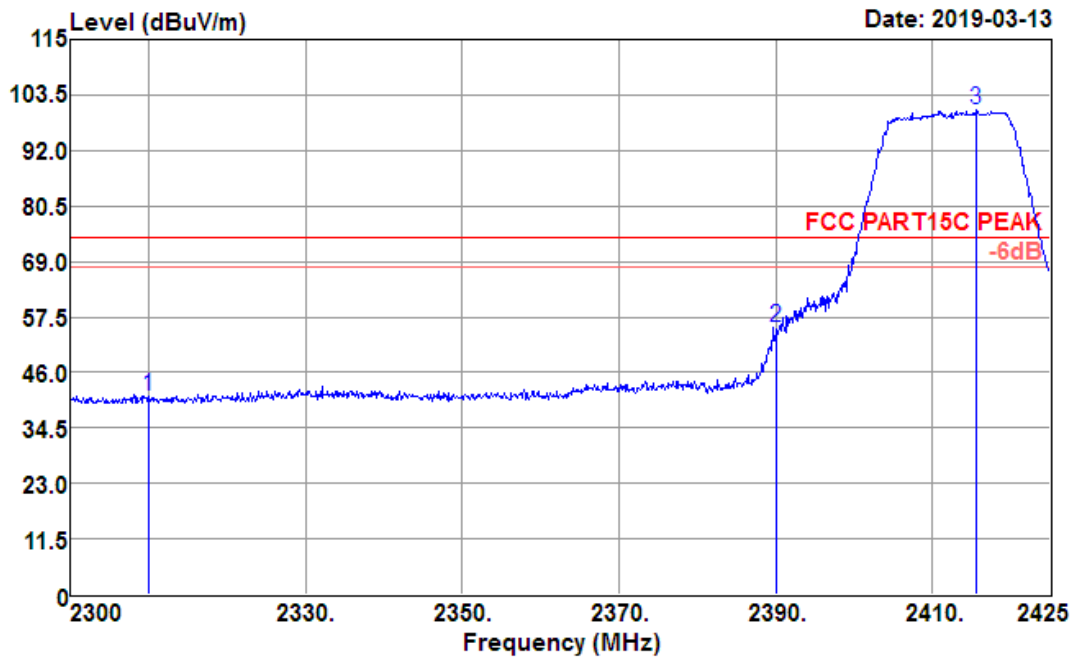
Data: 58 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-13



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2310.000	31.64	26.91	3.56	35.87	26.24	54.00	-27.76	Average
2390.000	35.34	27.11	3.64	36.08	30.01	54.00	-23.99	Average
2413.125	85.59	27.17	3.65	36.14	80.27	54.00	26.27	Average

Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11g CH01(2412MHz)		

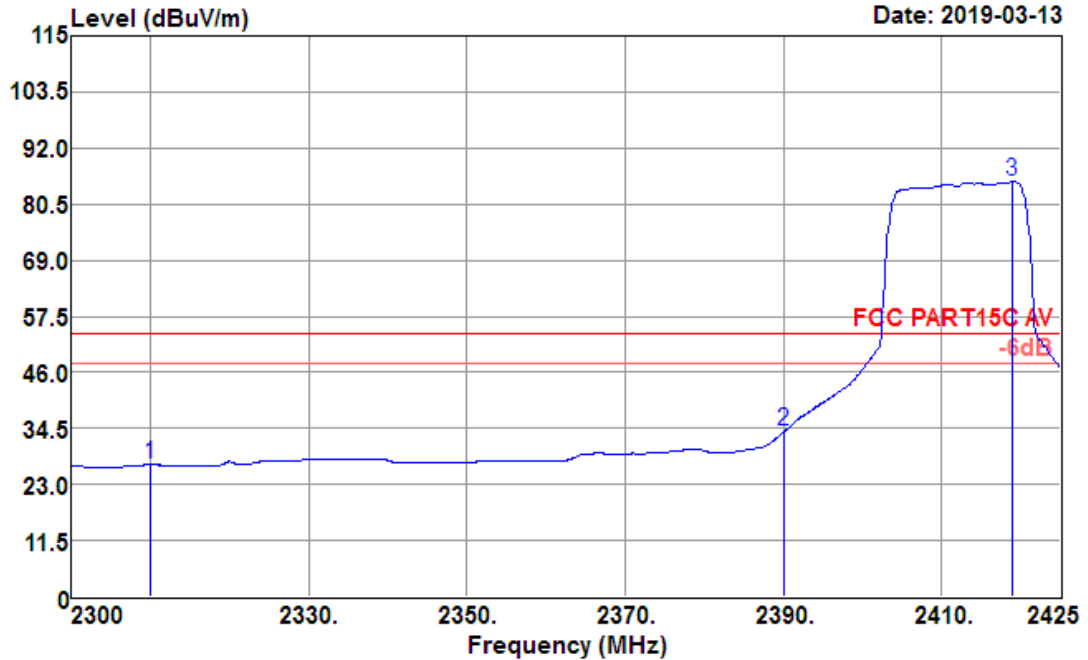
Data: 54 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129)



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2310.000	46.33	26.91	3.56	35.87	40.93	74.00	-33.07	Peak
2390.000	60.62	27.11	3.64	36.08	55.29	74.00	-18.71	Peak
2415.500	105.63	27.18	3.66	36.15	100.32	74.00	26.32	Peak

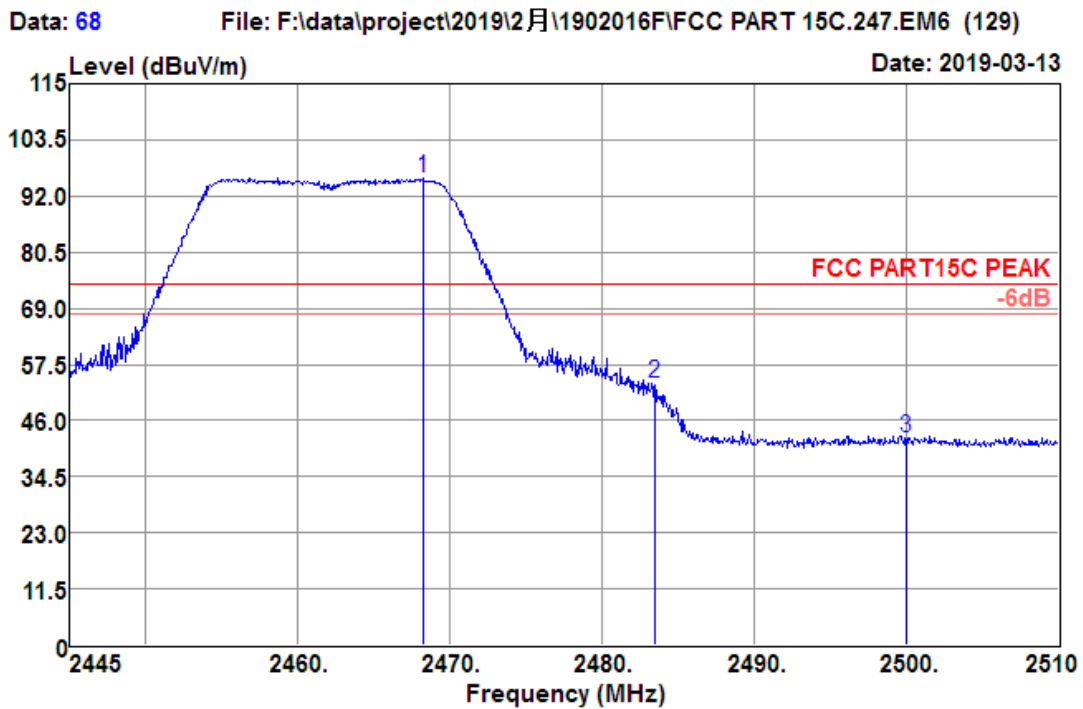
Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60Hz
-----		-----	
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----		-----	
Test Mode	: 802.11g CH01(2412MHz)		
-----		-----	

Data: 55 File: F:\data\project2019\12月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-13



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2310.000	32.44	26.91	3.56	35.87	27.04	54.00	-26.96	Average
2390.000	39.40	27.11	3.64	36.08	34.07	54.00	-19.93	Average
2419.000	90.42	27.19	3.66	36.16	85.11	54.00	31.11	Average

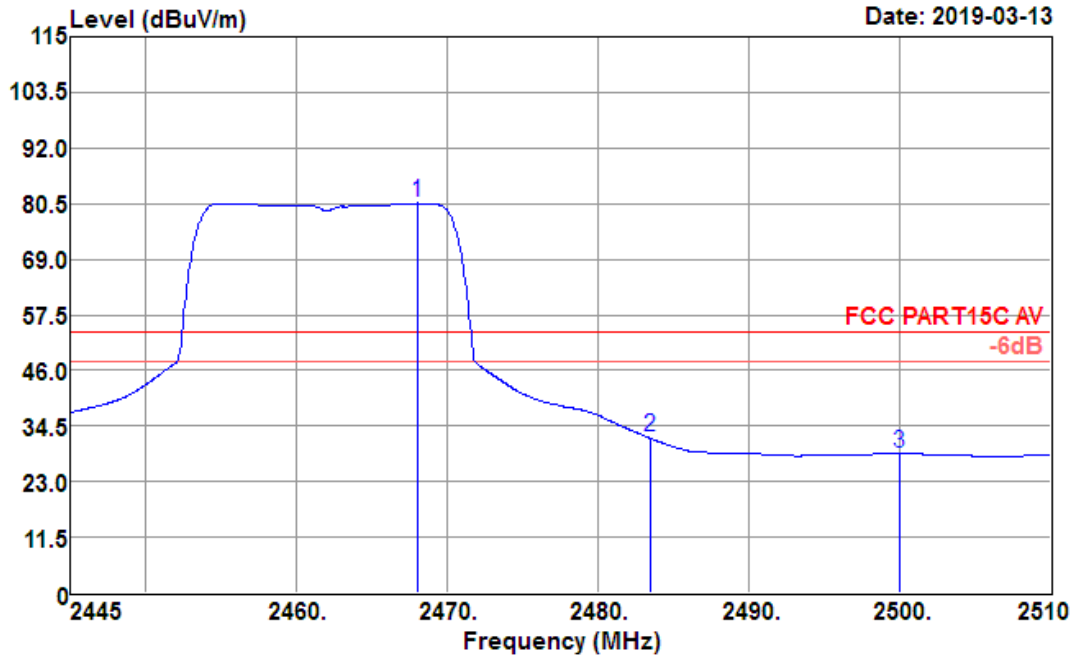
Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60Hz
-----		-----	
EUT	: Smart Camera	Pol/Phase	: VERTICAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----			
Test Mode	: 802.11g CH11(2462MHz)		
-----			



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2468.205	100.97	27.32	3.67	36.29	95.67	74.00	21.67	Peak
2483.500	58.90	27.36	3.68	36.33	53.61	74.00	-20.39	Peak
2500.000	47.78	27.40	3.68	36.37	42.49	74.00	-31.51	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11g CH11(2462MHz)		

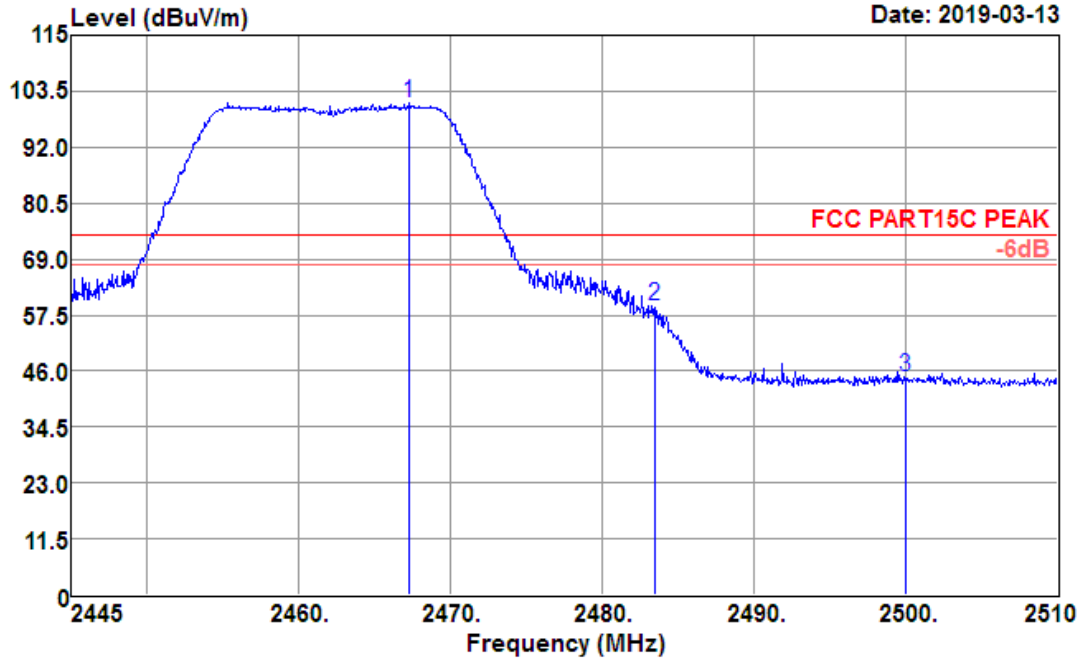
Data: 69 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-13



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2468.010	85.89	27.32	3.67	36.29	80.59	54.00	26.59	Average
2483.500	37.55	27.36	3.68	36.33	32.26	54.00	-21.74	Average
2500.000	34.13	27.40	3.68	36.37	28.84	54.00	-25.16	Average

Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60Hz
-----		-----	
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----			
Test Mode	: 802.11g CH11(2462MHz)		
-----			

Data: 71 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-13

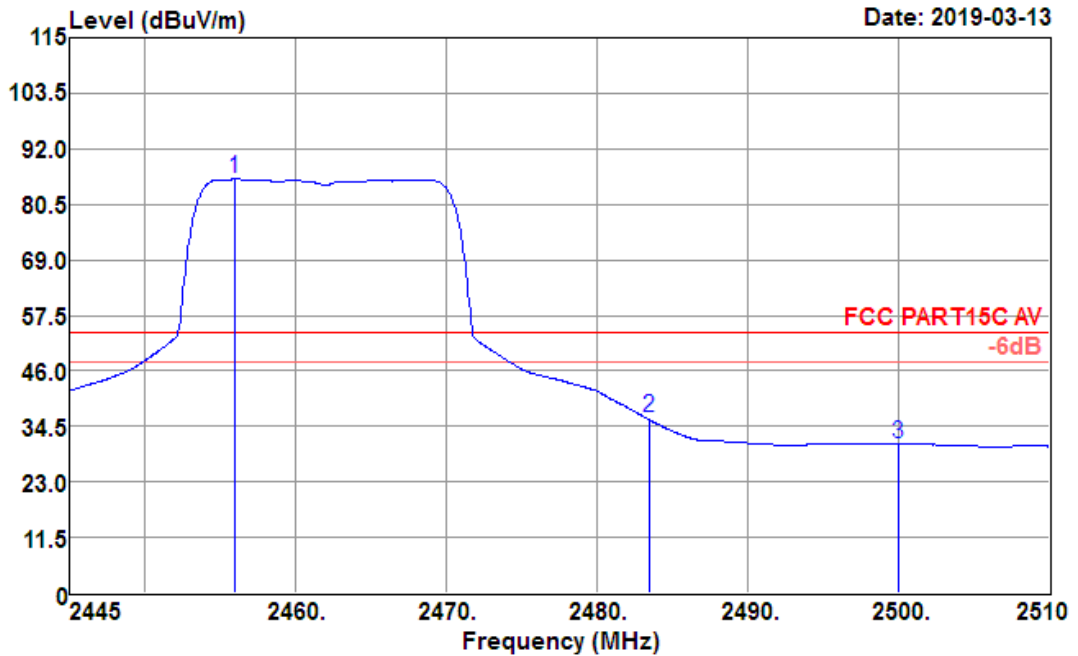


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2467.230	106.27	27.31	3.67	36.28	100.97	74.00	26.97	Peak
2483.500	64.66	27.36	3.68	36.33	59.37	74.00	-14.63	Peak
2500.000	50.16	27.40	3.68	36.37	44.87	74.00	-29.13	Peak



Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60Hz
-----		-----	
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----			
Test Mode	: 802.11g CH11(2462MHz)		
-----			

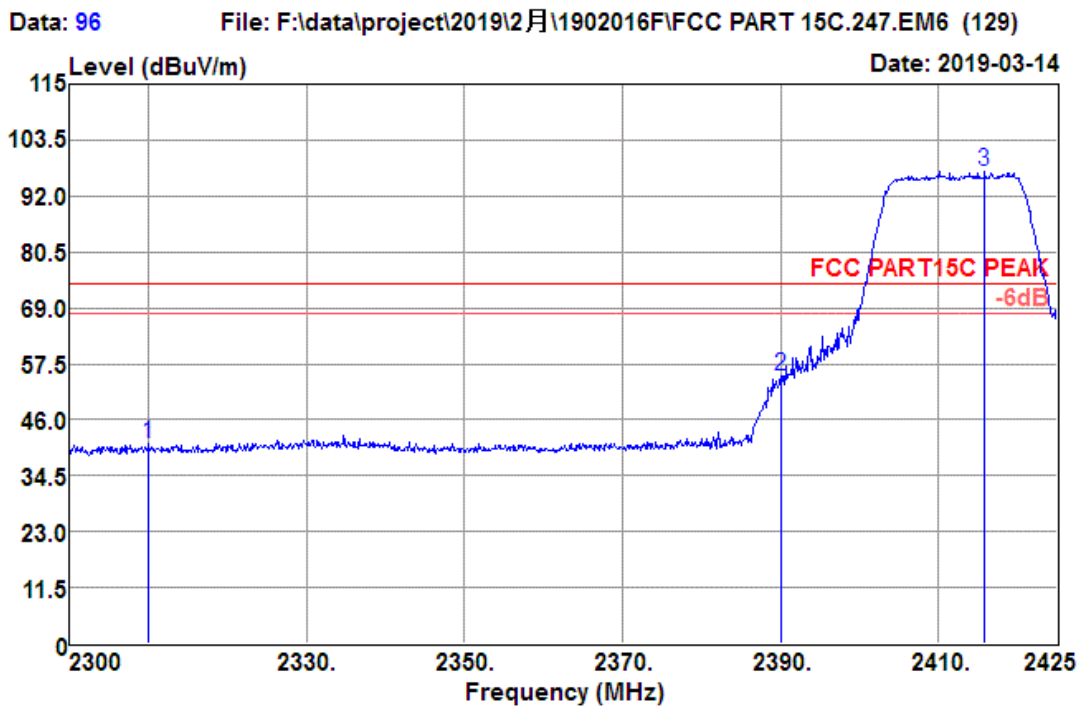
Data: 72 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-13



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2455.985	91.03	27.29	3.67	36.25	85.74	54.00	31.74	Average
2483.500	41.63	27.36	3.68	36.33	36.34	54.00	-17.66	Average
2500.000	36.22	27.40	3.68	36.37	30.93	54.00	-23.07	Average

**802.11n20 mode**

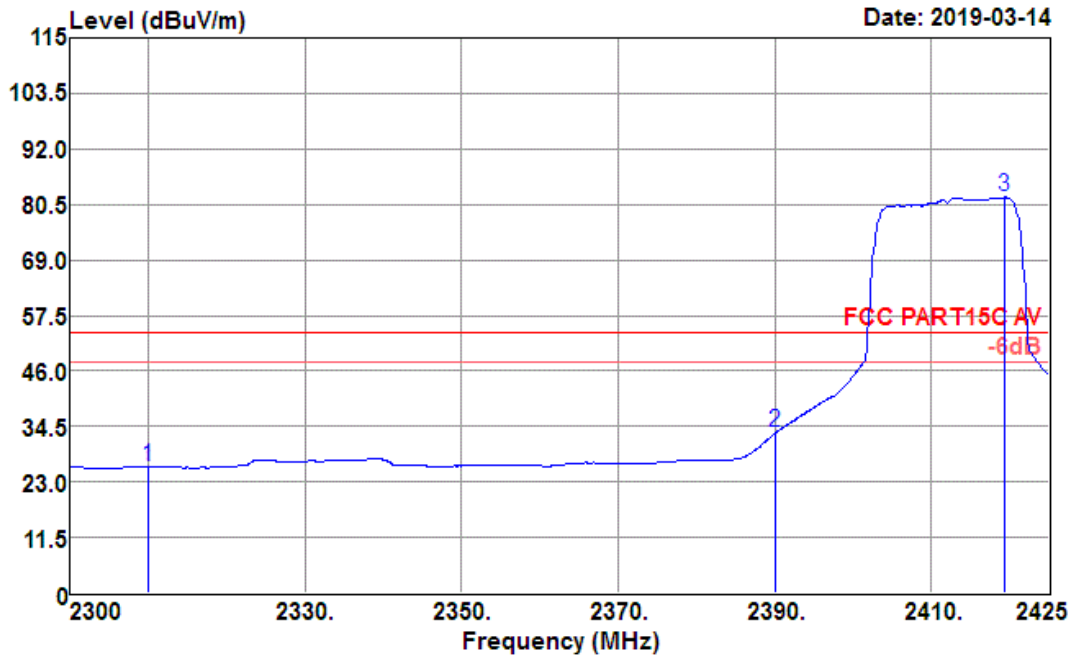
Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60HZ
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT20 CH01(2412MHz)		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2310.000	46.46	26.91	3.56	35.87	41.06	74.00	-32.94	Peak
2390.000	60.36	27.11	3.64	36.08	55.03	74.00	-18.97	Peak
2415.875	102.47	27.18	3.66	36.15	97.16	74.00	23.16	Peak

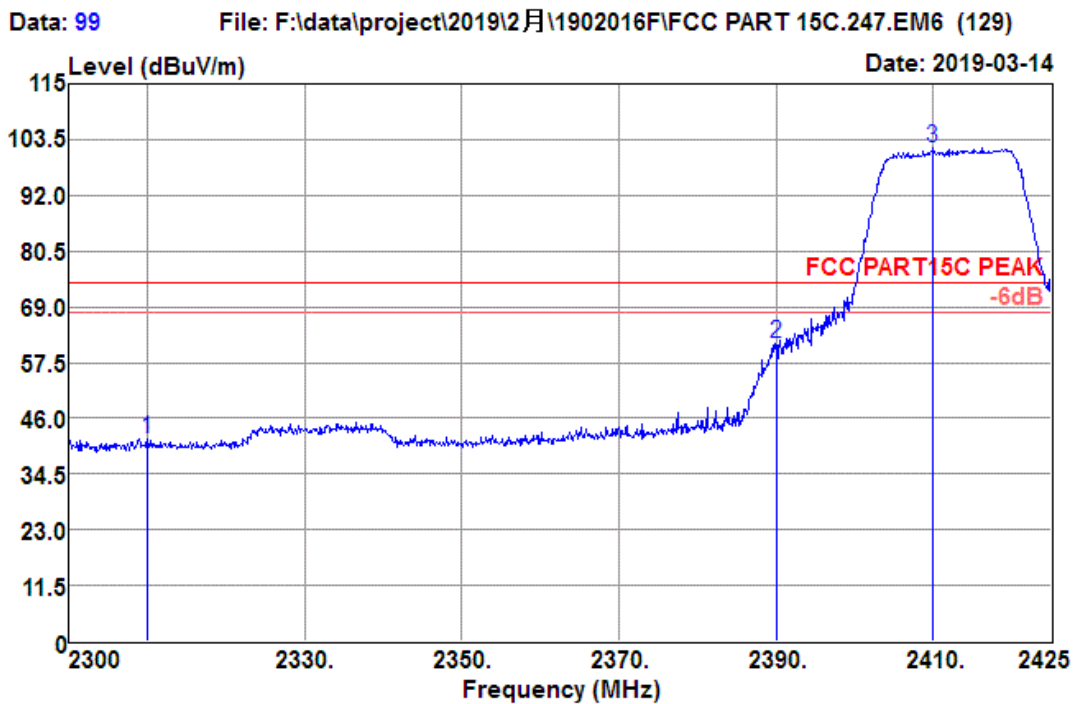
Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
-----			
Tested by	: Damon	Power rating:	AC120V/60Hz
-----			
EUT	: Smart Camera	Pol/Phase	: VERTICAL
-----			
Model No.	: XY/TA-R9820-K2		
-----			
Test Mode	: 802.11n HT20 CH01(2412MHz)		
-----			

Data: 97 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129)



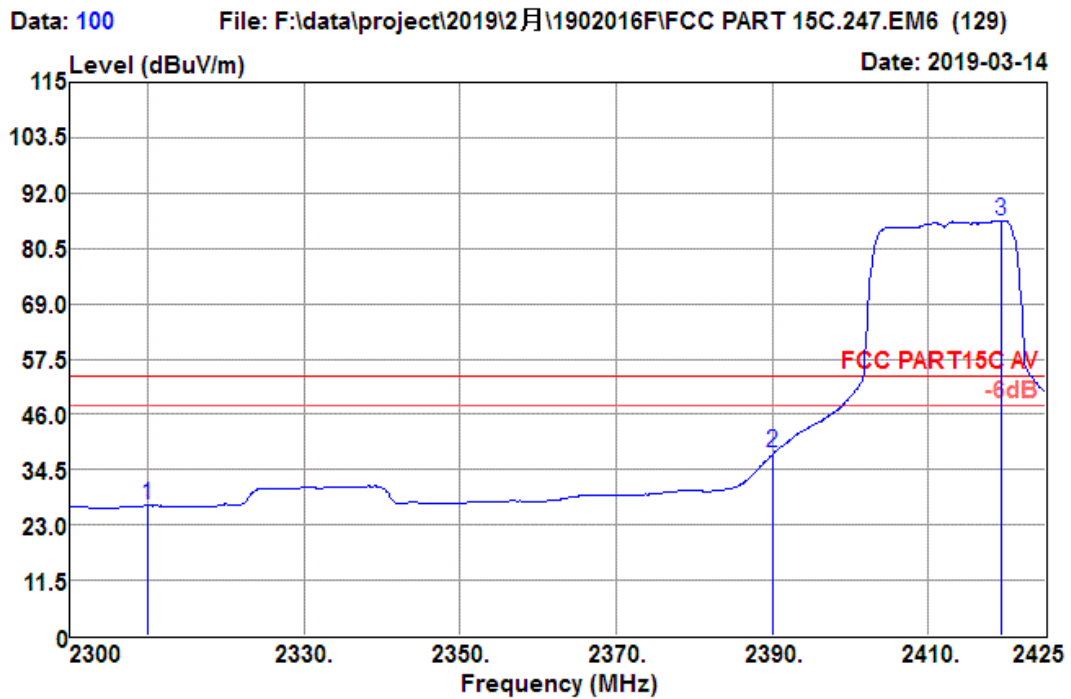
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2310.000	31.68	26.91	3.56	35.87	26.28	54.00	-27.72	Average
2390.000	38.66	27.11	3.64	36.08	33.33	54.00	-20.67	Average
2419.375	87.29	27.19	3.66	36.16	81.98	54.00	27.98	Average

Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
-----			
Tested by	: Damon	Power rating:	AC120V/60Hz
-----			
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
-----			
Model No.	: XY/TA-R9820-K2		
-----			
Test Mode	: 802.11n HT20 CH01(2412MHz)		
-----			



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2310.000	47.06	26.91	3.56	35.87	41.66	74.00	-32.34	Peak
2390.000	66.63	27.11	3.64	36.08	61.30	74.00	-12.70	Peak
2410.000	107.18	27.17	3.65	36.13	101.87	74.00	27.87	Peak

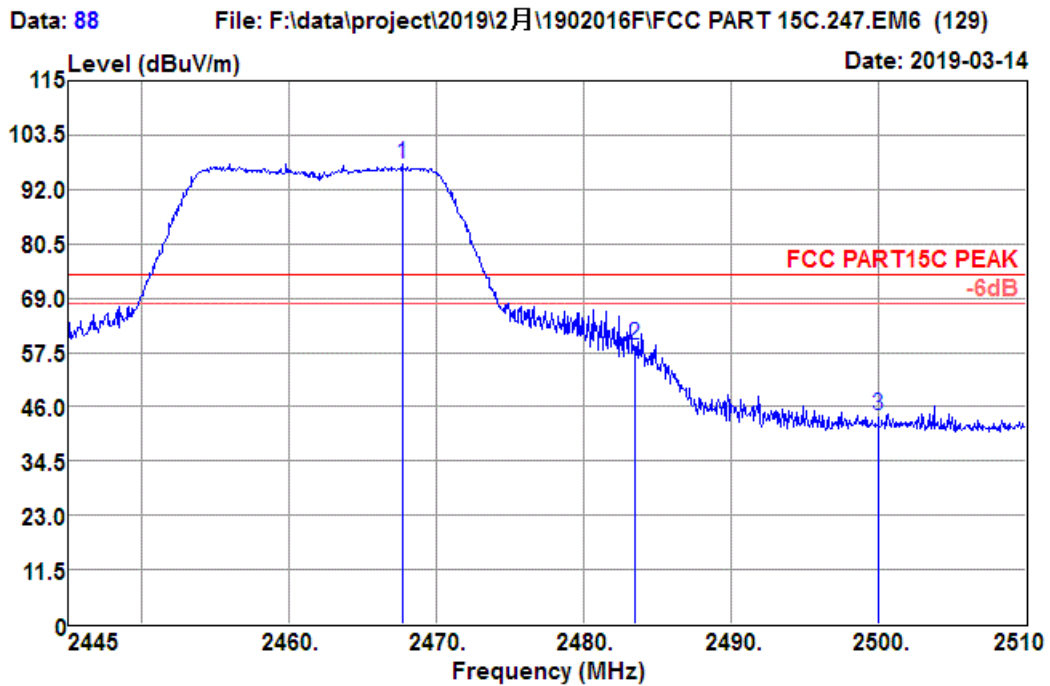
Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT20 CH01(2412MHz)		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2310.000	32.42	26.91	3.56	35.87	27.02	54.00	-26.98	Average
2390.000	43.33	27.11	3.64	36.08	38.00	54.00	-16.00	Average
2419.375	91.53	27.19	3.66	36.16	86.22	54.00	32.22	Average

Test Site : 3m Chamber  
 -----  
 Tested by : Damon  
 -----  
 EUT : Smart Camera  
 -----  
 Model No. : XY/TA-R9820-K2  
 -----  
 Test Mode : 802.11n HT20 CH11(2462MHz)  
 -----

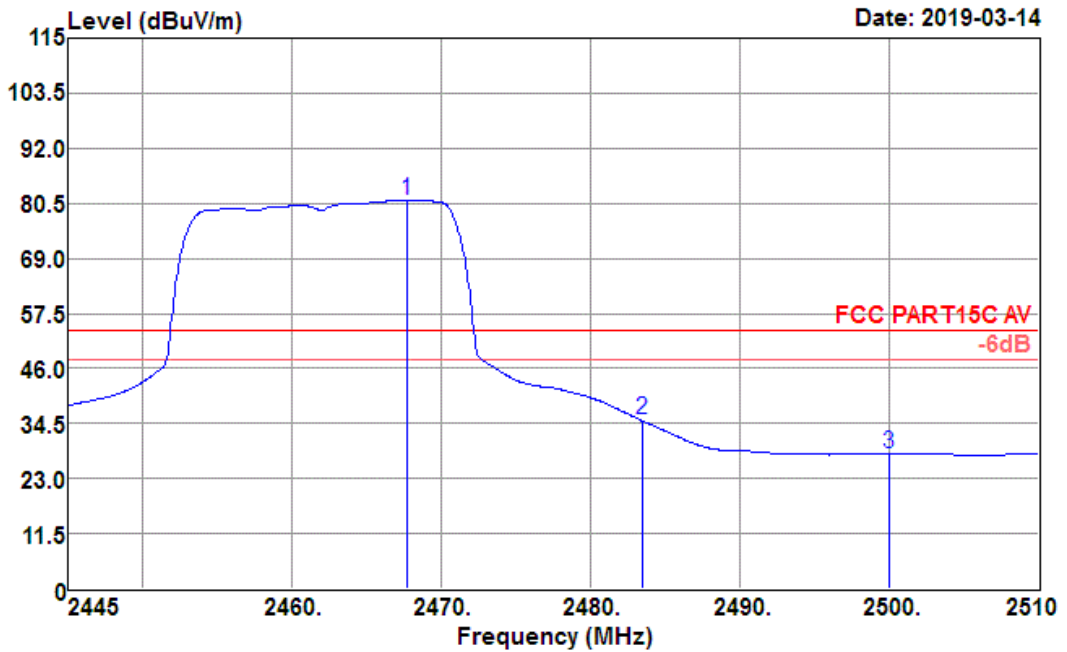
Temp/Humi : 17°C/61%  
 -----  
 Power rating: AC120V/60Hz  
 -----  
 Pol/Phase : VERTICAL  
 -----



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2467.685	102.69	27.32	3.67	36.28	97.40	74.00	23.40	Peak
2483.500	64.33	27.36	3.68	36.33	59.04	74.00	-14.96	Peak
2500.000	49.24	27.40	3.68	36.37	43.95	74.00	-30.05	Peak

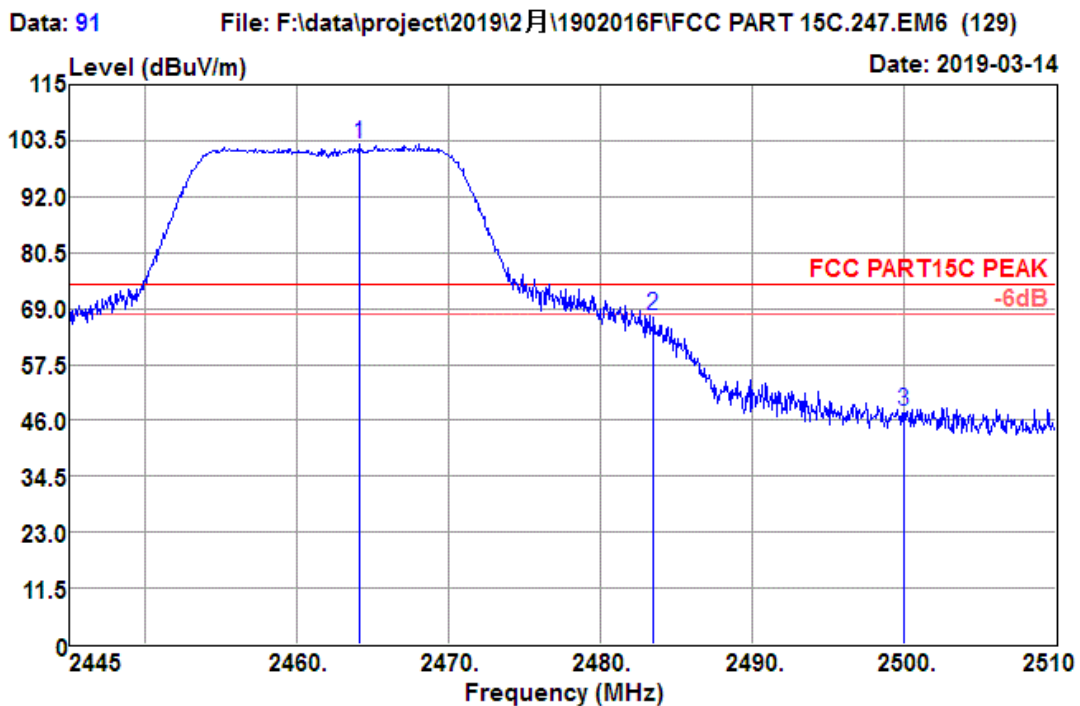
Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT20 CH11(2462MHz)		

Data: 89 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129)



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2467.685	86.53	27.32	3.67	36.28	81.24	54.00	27.24	Average
2483.500	40.69	27.36	3.68	36.33	35.40	54.00	-18.60	Average
2500.000	33.59	27.40	3.68	36.37	28.30	54.00	-25.70	Average

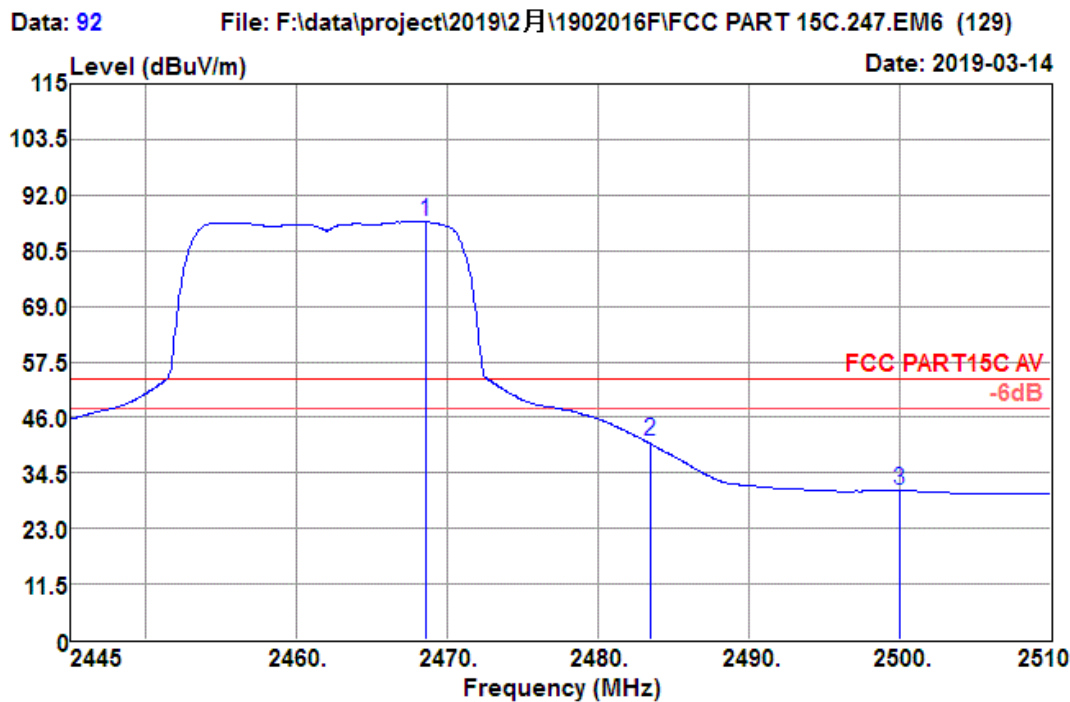
Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60HZ
-----		-----	
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----		-----	
Test Mode	: 802.11n HT20 CH11(2462MHz)		
-----		-----	



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2464.110	108.17	27.31	3.67	36.28	102.87	74.00	28.87	Peak
2483.500	72.72	27.36	3.68	36.33	67.43	74.00	-6.57	Peak
2500.000	53.01	27.40	3.68	36.37	47.72	74.00	-26.28	Peak



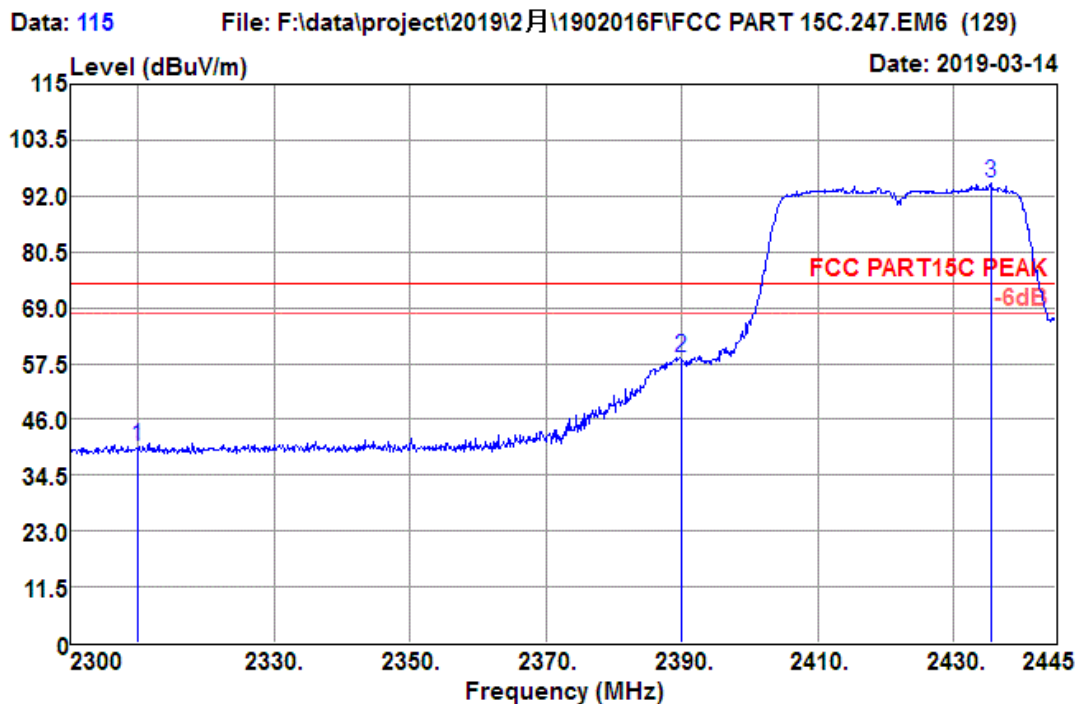
Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60Hz
-----		-----	
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----		-----	
Test Mode	: 802.11n HT20 CH11(2462MHz)		
-----		-----	



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2468.595	91.85	27.32	3.67	36.29	86.55	54.00	32.55	Average
2483.500	46.26	27.36	3.68	36.33	40.97	54.00	-13.03	Average
2500.000	36.07	27.40	3.68	36.37	30.78	54.00	-23.22	Average

**802.11n40 mode**

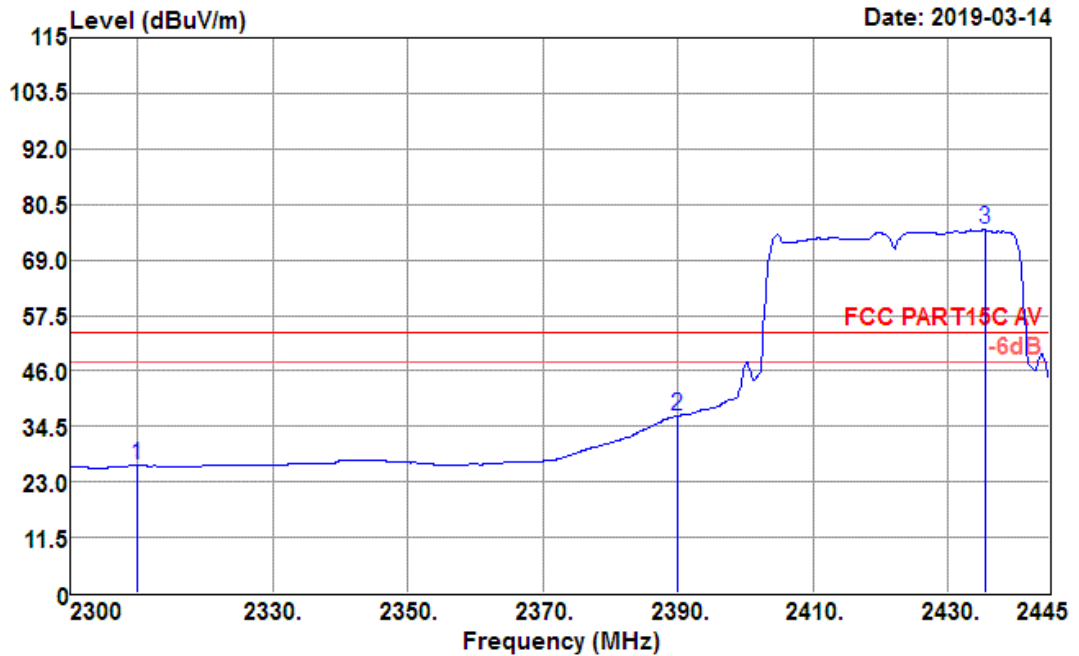
Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating	: AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT40 CH03(2422MHz)		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2310.000	45.63	26.91	3.56	35.87	40.23	74.00	-33.77	Peak
2390.000	64.04	27.11	3.64	36.08	58.71	74.00	-15.29	Peak
2435.575	99.88	27.23	3.66	36.20	94.57	74.00	20.57	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60HZ
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT40 CH03(2422MHz)		

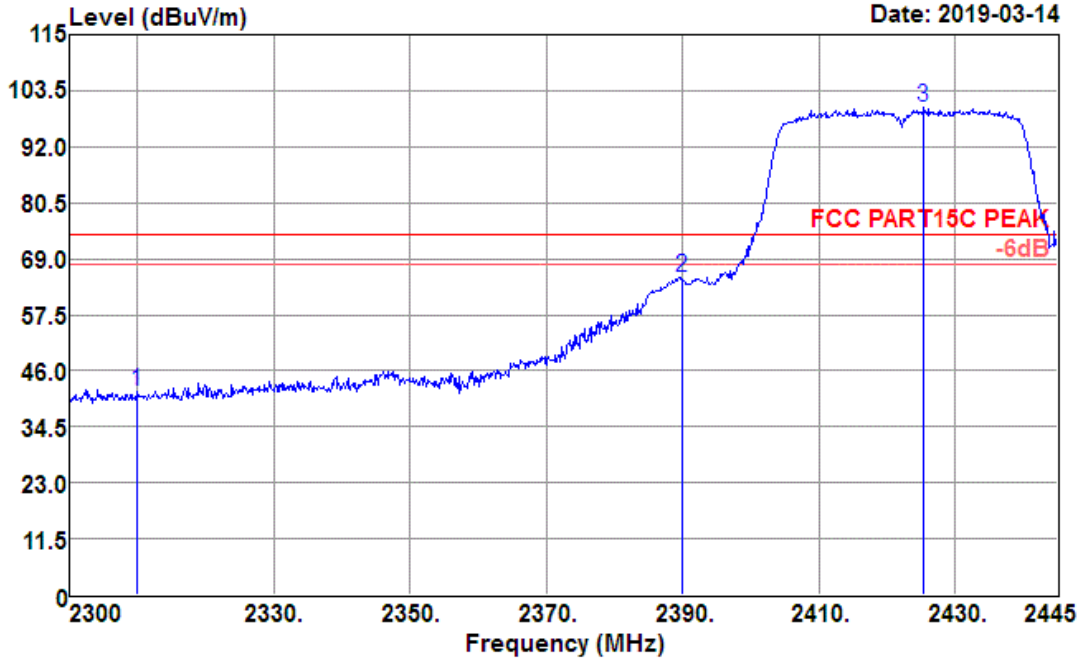
Data: 116 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-14



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2310.000	31.76	26.91	3.56	35.87	26.36	54.00	-27.64	Average
2390.000	42.09	27.11	3.64	36.08	36.76	54.00	-17.24	Average
2435.430	80.57	27.23	3.66	36.20	75.26	54.00	21.26	Average

Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT40 CH03(2422MHz)		

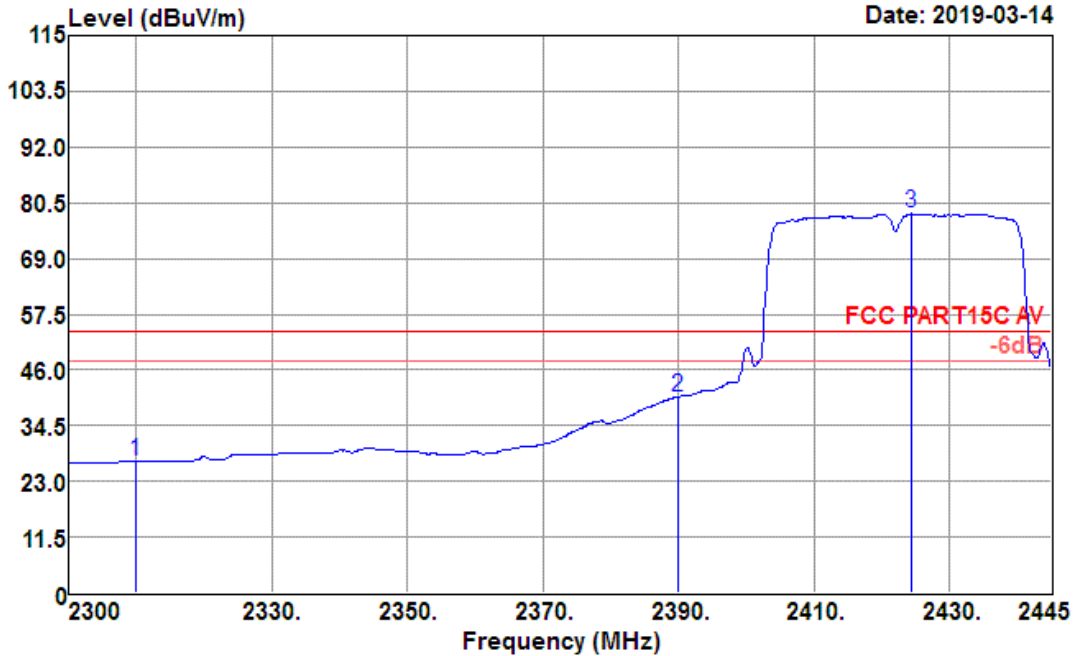
Data: 112 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-14



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2310.000	47.05	26.91	3.56	35.87	41.65	74.00	-32.35	Peak
2390.000	70.49	27.11	3.64	36.08	65.16	74.00	-8.84	Peak
2425.425	105.24	27.21	3.66	36.17	99.94	74.00	25.94	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60Hz
-----		-----	
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----			
Test Mode	: 802.11n HT40 CH03(2422MHz)		
-----			

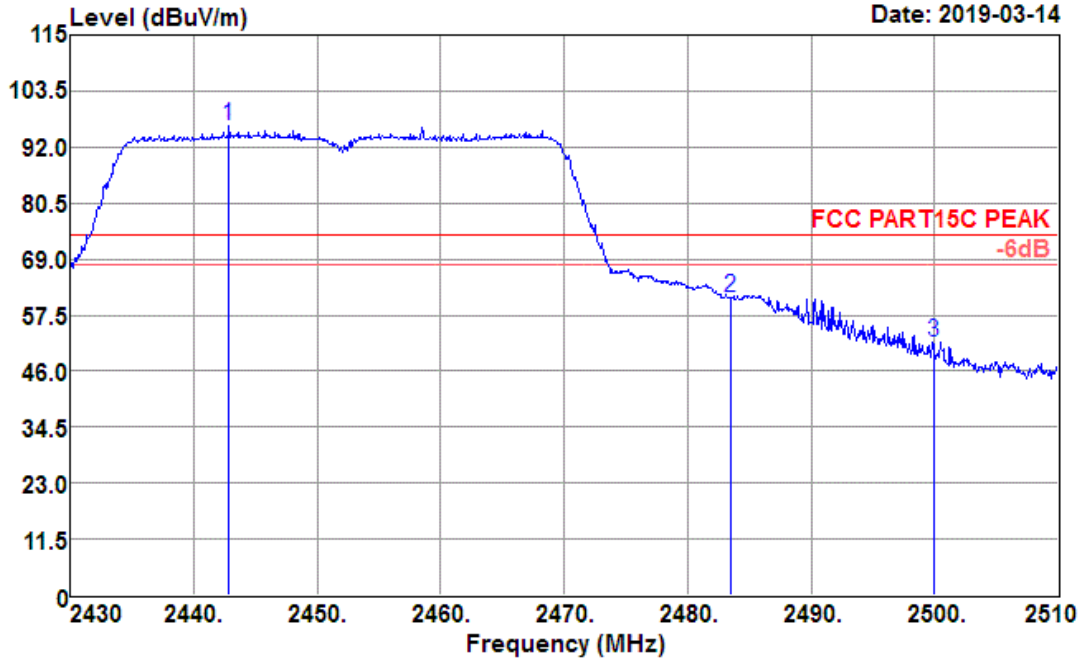
Data: 113 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-14



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2310.000	32.71	26.91	3.56	35.87	27.31	54.00	-26.69	Average
2390.000	45.82	27.11	3.64	36.08	40.49	54.00	-13.51	Average
2424.410	83.52	27.20	3.66	36.17	78.21	54.00	24.21	Average

Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT40 CH09(2452MHz)		

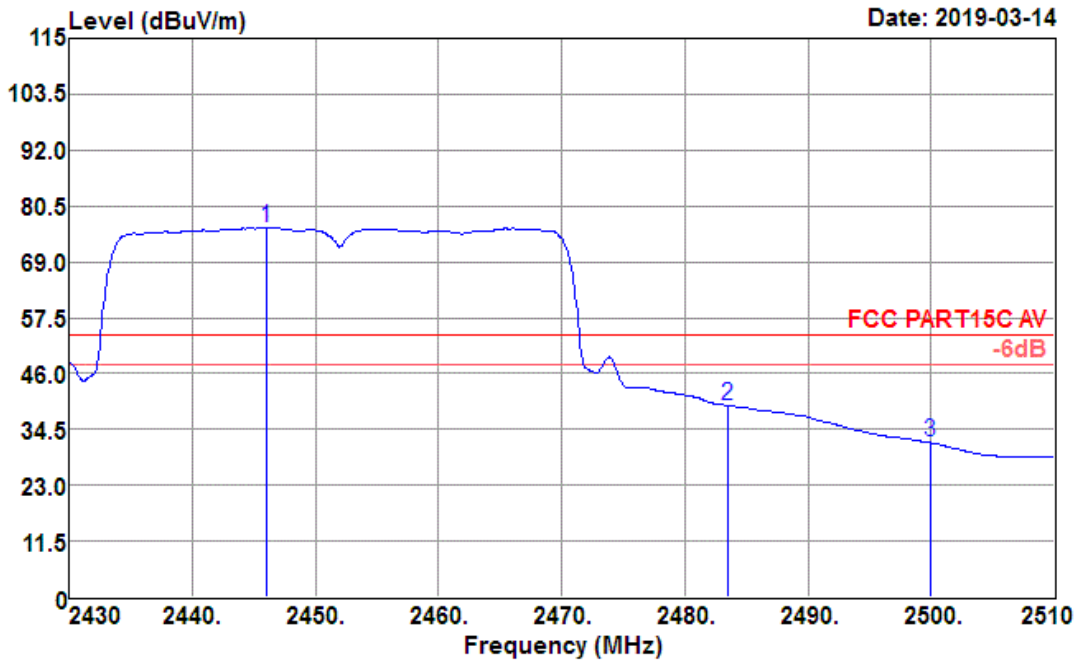
Data: 118 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-14



Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV	Limit level dBUV/m	Over limit dB	Remark
2442.880	101.49	27.25	3.67	36.22	96.19	74.00	22.19	Peak
2483.500	66.46	27.36	3.68	36.33	61.17	74.00	-12.83	Peak
2500.000	57.32	27.40	3.68	36.37	52.03	74.00	-21.97	Peak

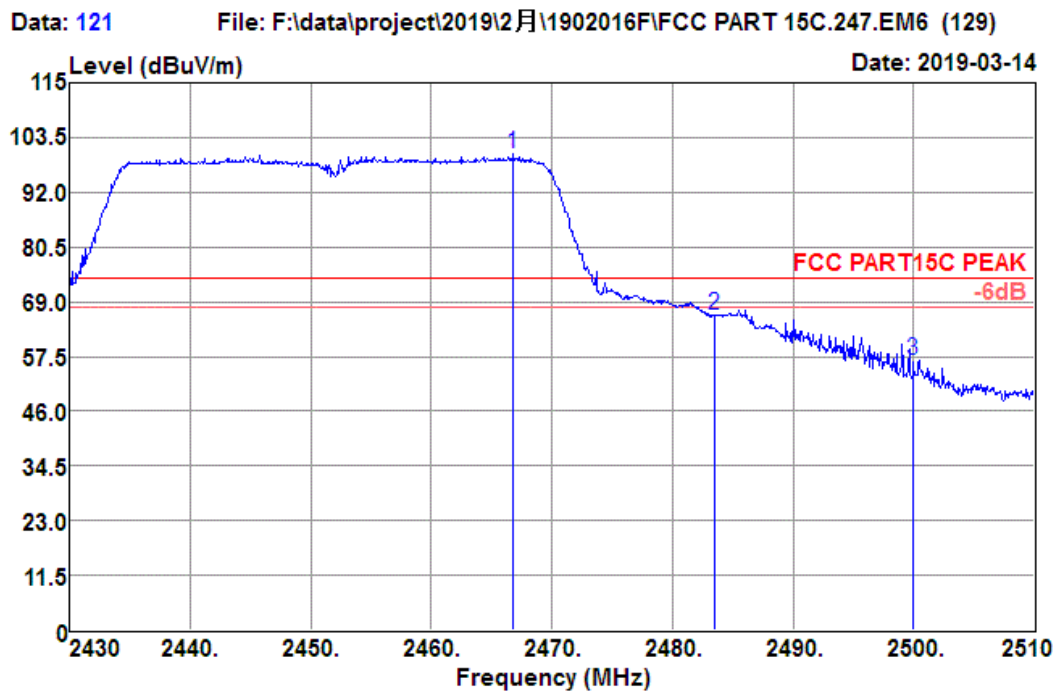
Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT40 CH09(2452MHz)		

Data: 119 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-14



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2446.080	81.31	27.26	3.67	36.23	76.01	54.00	22.01	Average
2483.500	44.81	27.36	3.68	36.33	39.52	54.00	-14.48	Average
2500.000	37.06	27.40	3.68	36.37	31.77	54.00	-22.23	Average

Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT40 CH09(2452MHz)		

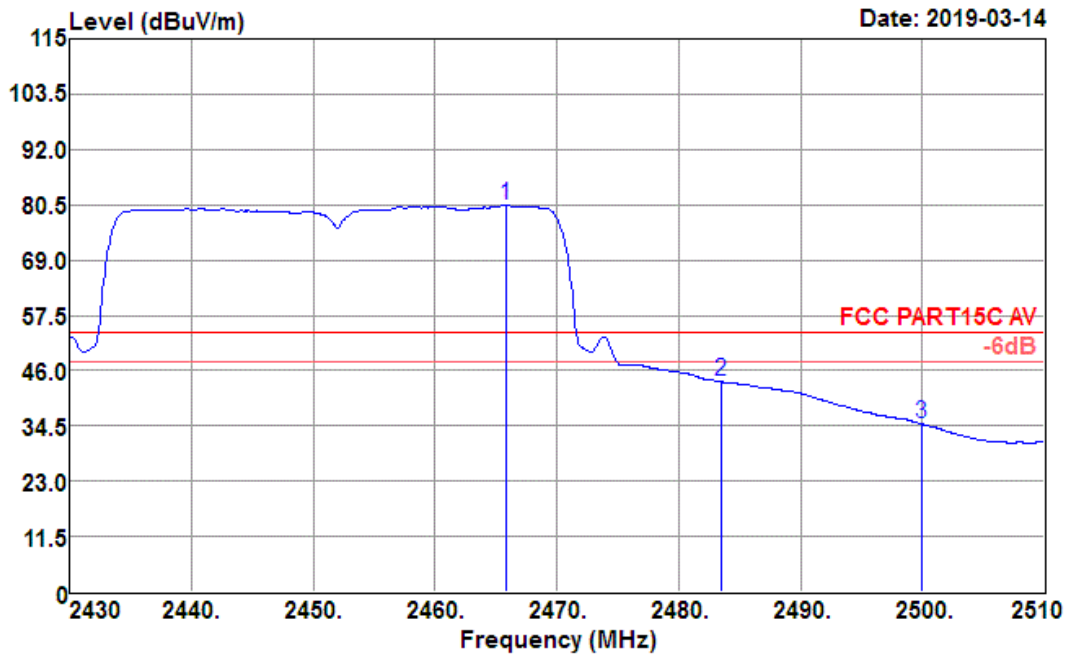


Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV	Limit level dBUV/m	Over limit dB	Remark
2466.800	105.38	27.31	3.67	36.28	100.08	74.00	26.08	Peak
2483.500	71.48	27.36	3.68	36.33	66.19	74.00	-7.81	Peak
2500.000	61.84	27.40	3.68	36.37	56.55	74.00	-17.45	Peak



Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT40 CH09(2452MHz)		

Data: 122 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129)

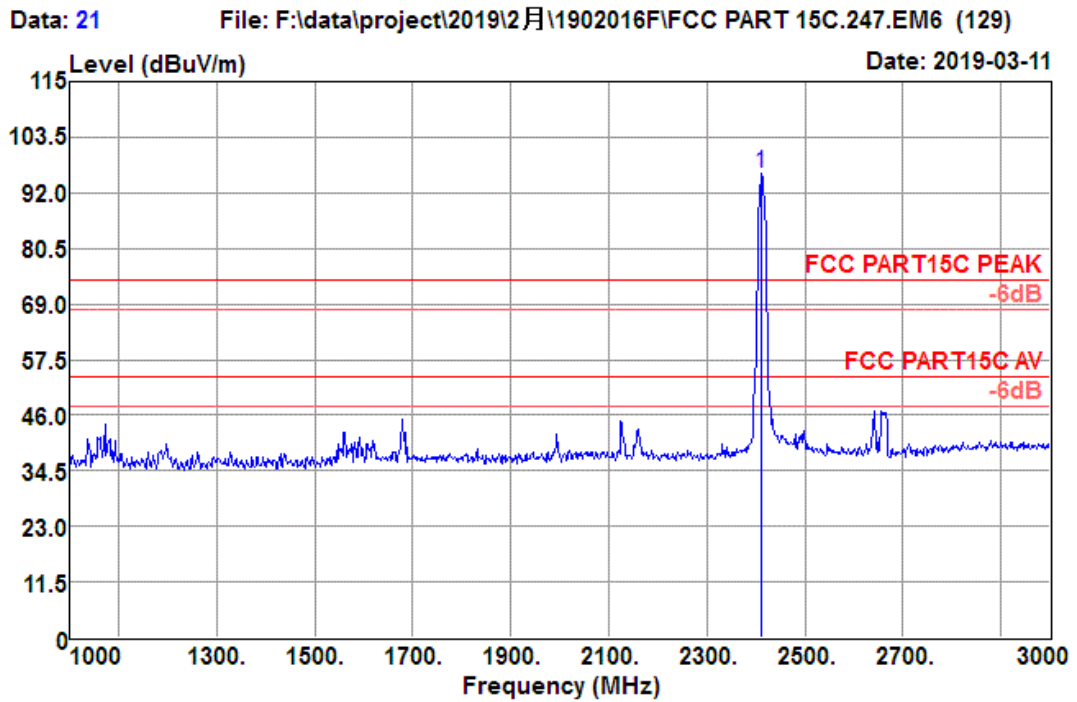


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2465.840	85.72	27.31	3.67	36.28	80.42	54.00	26.42	Average
2483.500	49.12	27.36	3.68	36.33	43.83	54.00	-10.17	Average
2500.000	40.27	27.40	3.68	36.37	34.98	54.00	-19.02	Average

### 4.5.5 Test Result of Radiated Spurious Emission (1GHz ~ 10<sup>th</sup> Harmonic)

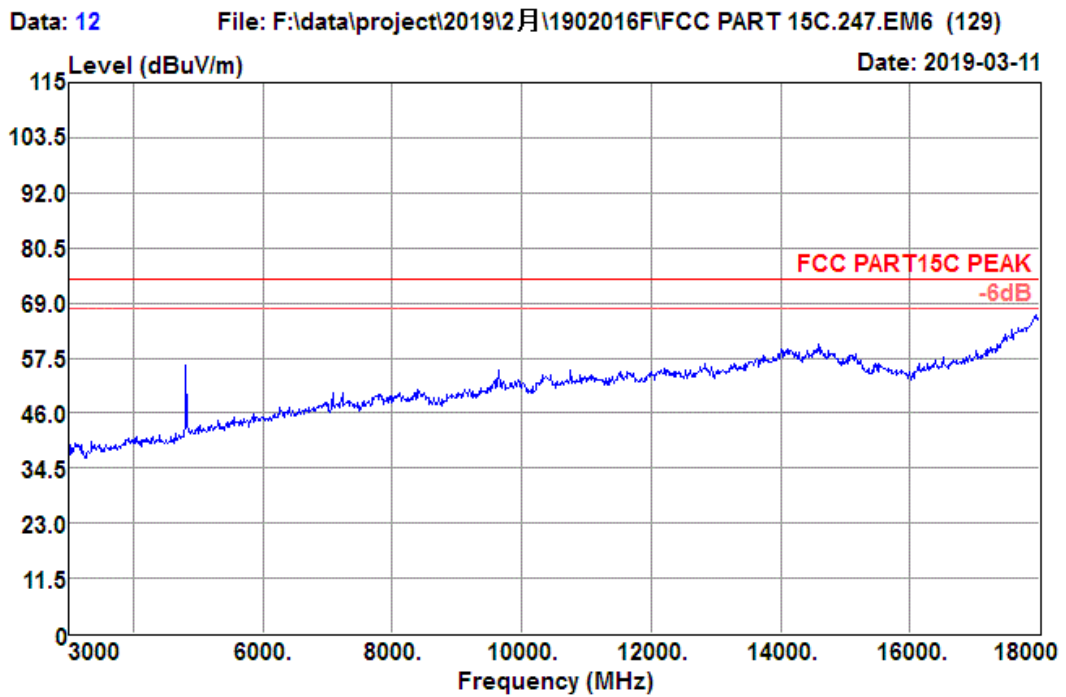
#### 802.11b mode

Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH01(2412MHz)		



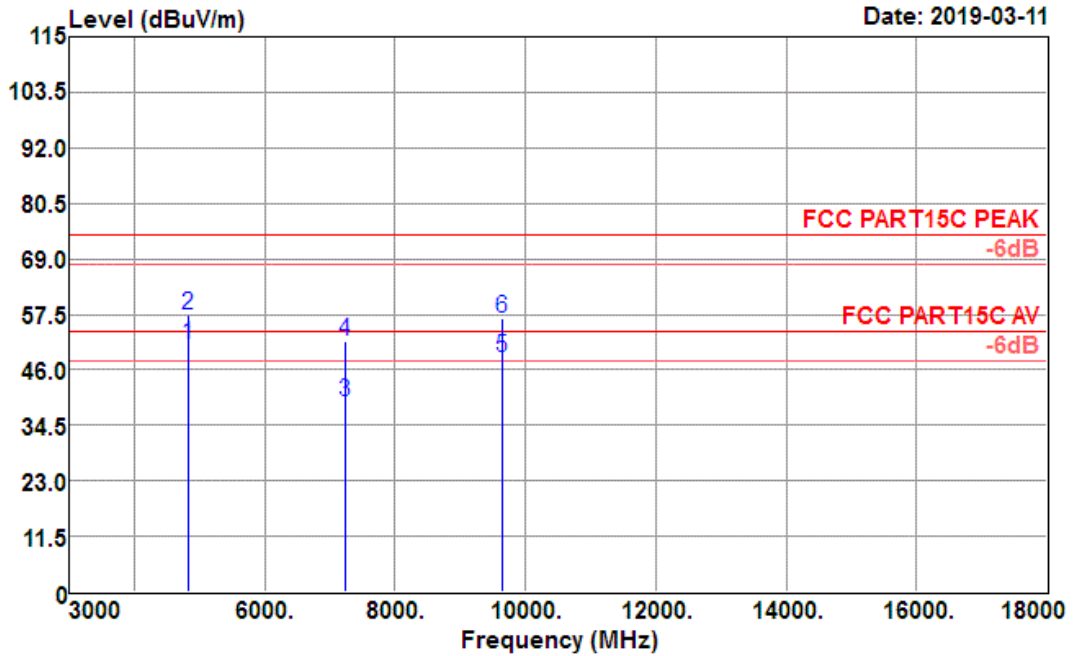
Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV	Limit level dBUV/m	Over limit dB	Remark
2412.000	101.19	27.17	3.65	36.14	95.87	74.00	21.87	Peak

Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH01(2412MHz)		



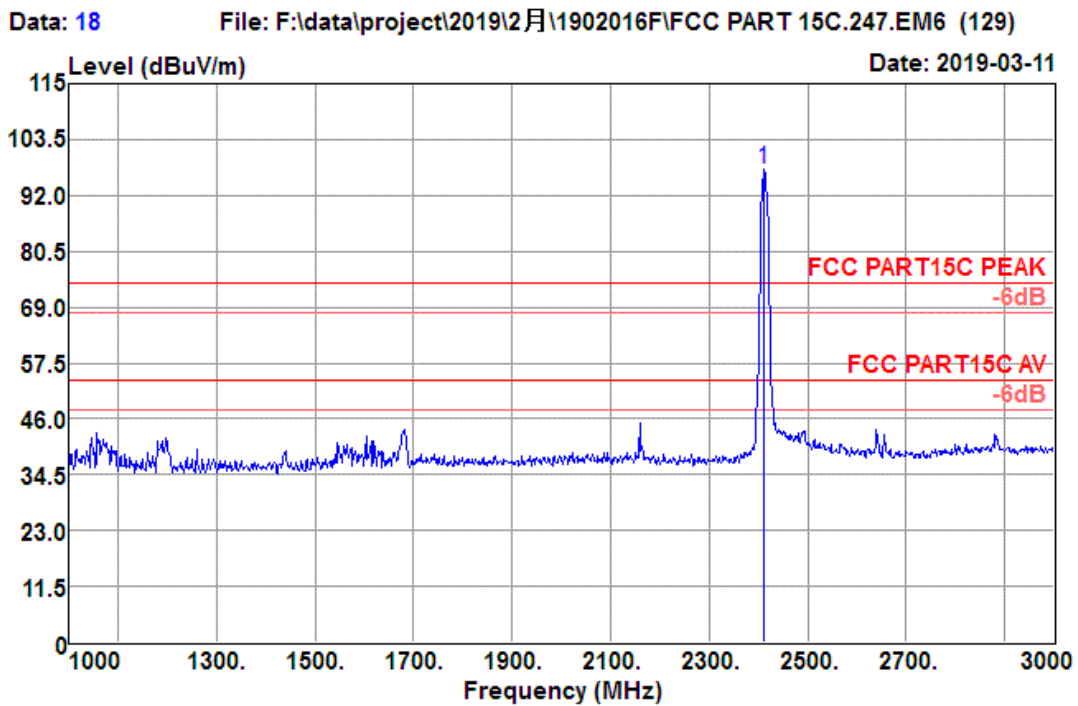
Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH01(2412MHz)		

Data: 13 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129)



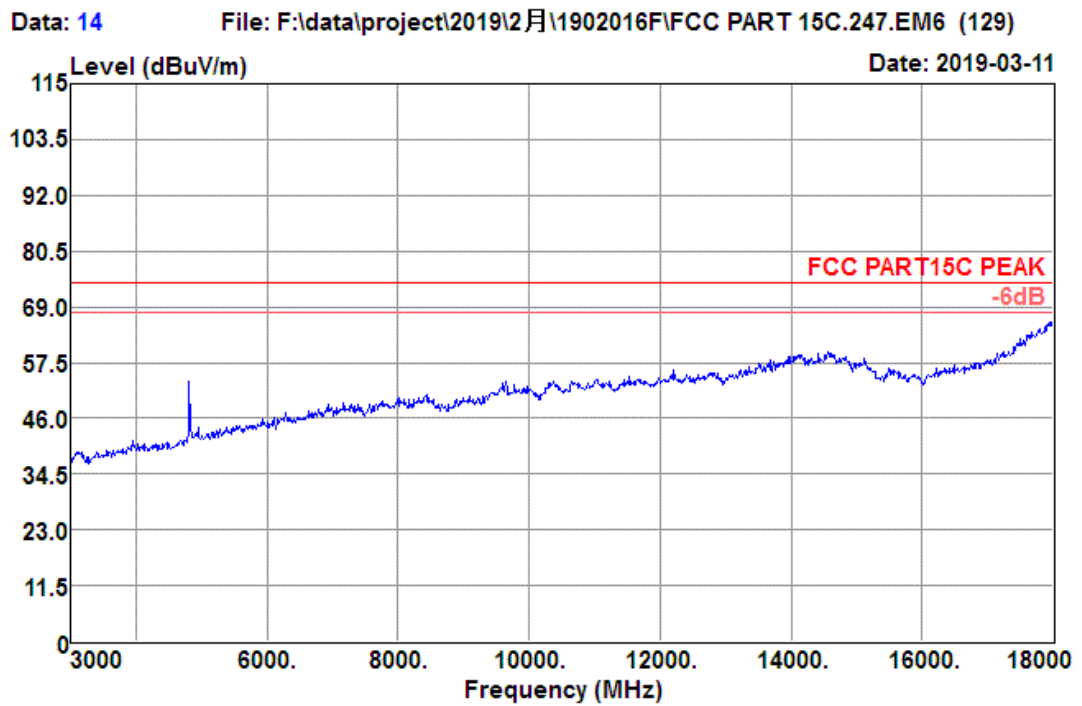
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4824.000	50.79	31.28	5.44	36.26	51.25	54.00	-2.75	Average
4824.000	56.94	31.28	5.44	36.26	57.40	74.00	-16.60	Peak
7236.000	30.67	35.94	7.02	34.27	39.36	54.00	-14.64	Average
7236.000	43.26	35.94	7.02	34.27	51.95	74.00	-22.05	Peak
9648.000	36.83	37.87	7.82	34.15	48.37	54.00	-5.63	Average
9648.000	45.05	37.87	7.82	34.15	56.59	74.00	-17.41	Peak

Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH01(2412MHz)		

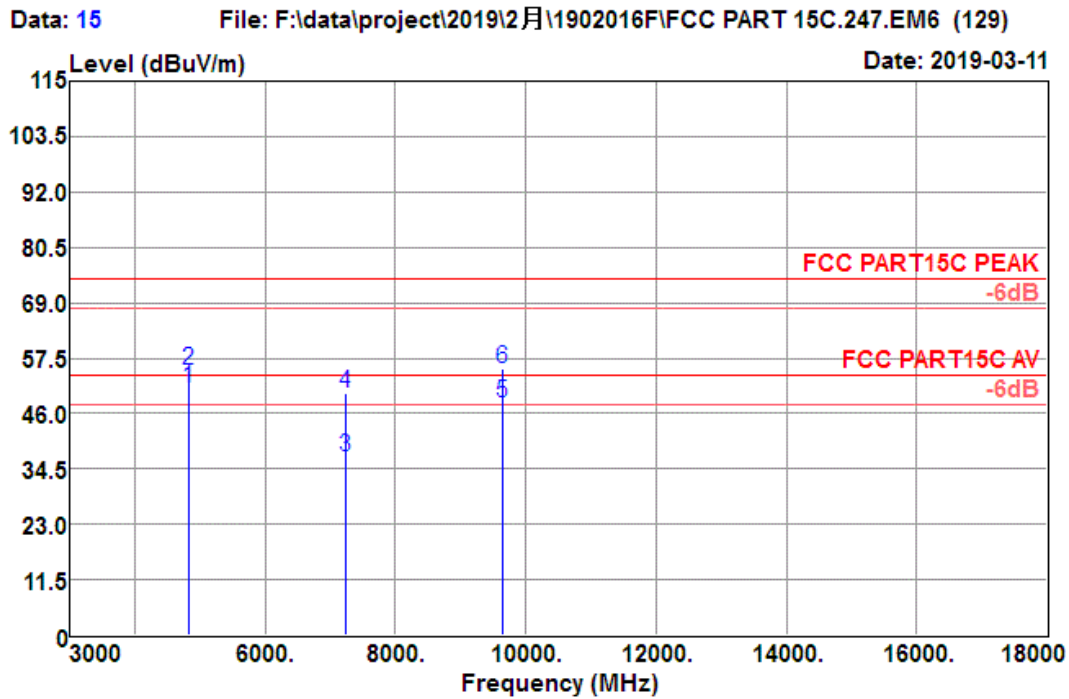


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2412.000	102.74	27.17	3.65	36.14	97.42	74.00	23.42	Peak

Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
Tested by	: Damon	Power rating:	AC120V/60HZ
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH01(2412MHz)		



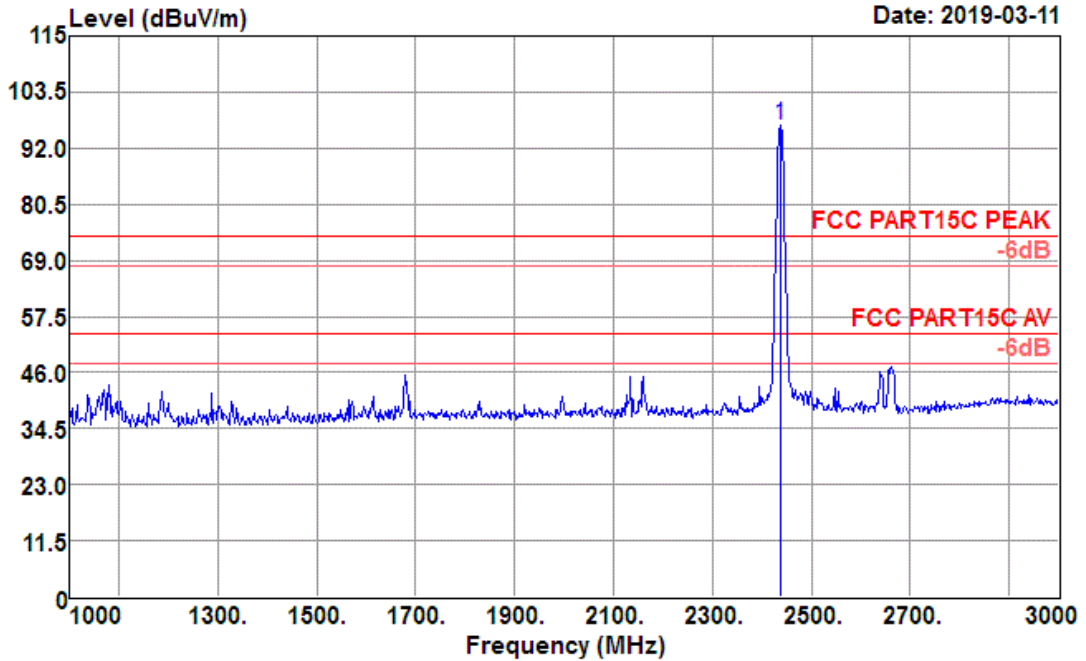
Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60Hz
-----		-----	
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----		-----	
Test Mode	: 802.11b CH01(2412MHz)		
-----		-----	



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4824.000	50.64	31.28	5.44	36.26	51.10	54.00	-2.90	Average
4824.000	54.50	31.28	5.44	36.26	54.96	74.00	-19.04	Peak
7236.000	28.16	35.94	7.02	34.27	36.85	54.00	-17.15	Average
7236.000	41.43	35.94	7.02	34.27	50.12	74.00	-23.88	Peak
9648.000	36.78	37.87	7.82	34.15	48.32	54.00	-5.68	Average
9648.000	43.89	37.87	7.82	34.15	55.43	74.00	-18.57	Peak

Test Site	: 3m Chamber	Temp/Humi	: 19°C /62%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH06(2437MHz)		

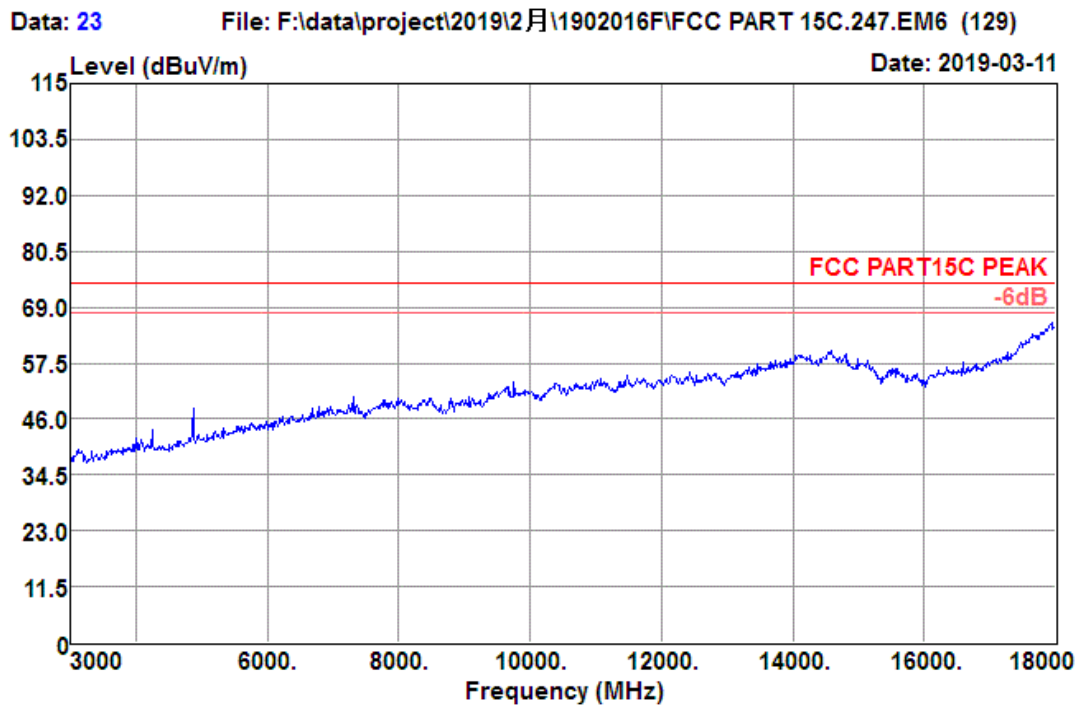
Data: 27 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-11



Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV	Limit level dBUV/m	Over limit dB	Remark
2438.000	101.92	27.24	3.66	36.21	96.61	74.00	22.61	Peak

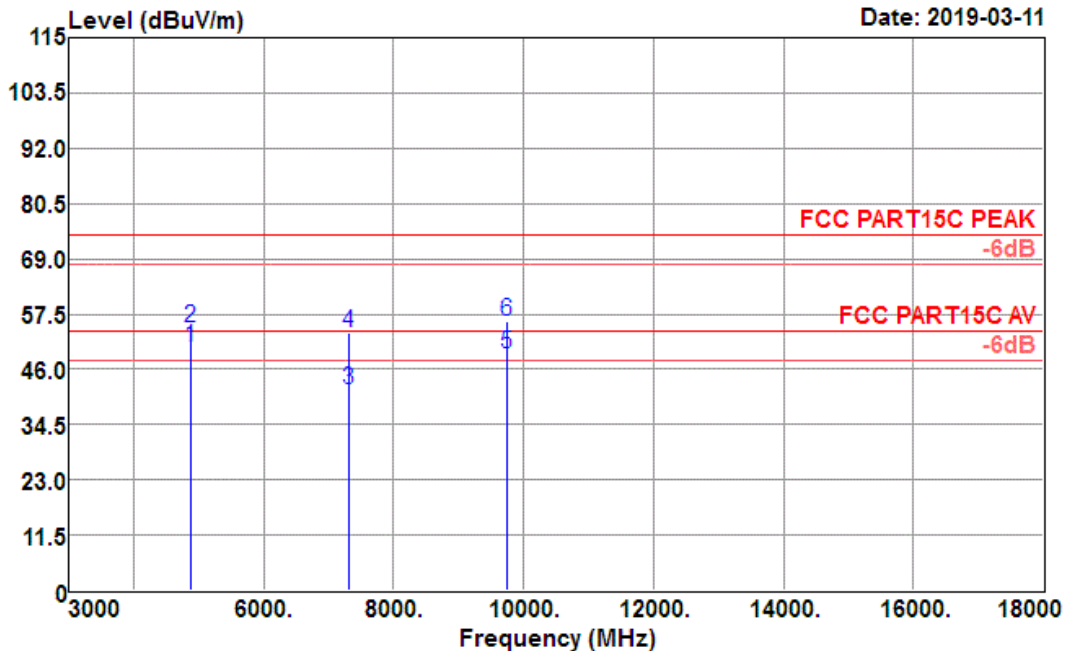


Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60HZ
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH06(2437MHz)		



Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
-----			
Tested by	: Damon	Power rating:	AC120V/60Hz
-----			
EUT	: Smart Camera	Pol/Phase	: VERTICAL
-----			
Model No.	: XY/TA-R9820-K2		
-----			
Test Mode	: 802.11b CH06(2437MHz)		
-----			

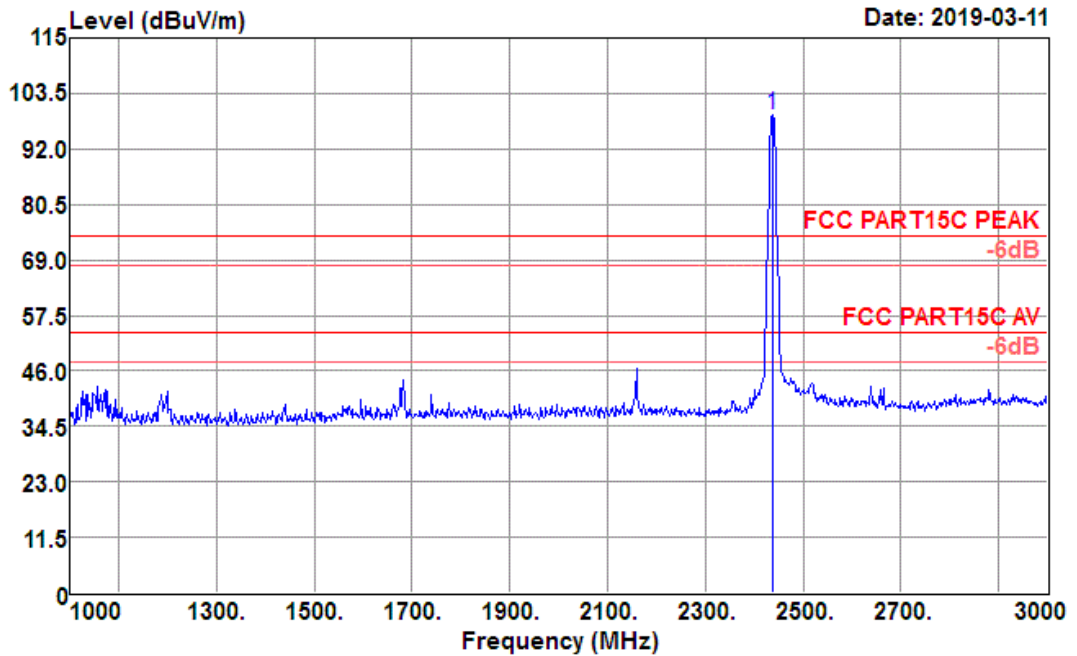
Data: 22 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-11



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4874.000	49.82	31.40	5.41	36.24	50.39	54.00	-3.61	Average
4874.000	54.01	31.40	5.41	36.24	54.58	74.00	-19.42	Peak
7311.000	32.71	36.12	7.24	34.35	41.72	54.00	-12.28	Average
7311.000	44.61	36.12	7.24	34.35	53.62	74.00	-20.38	Peak
9748.000	37.54	38.05	7.96	34.19	49.36	54.00	-4.64	Average
9748.000	44.30	38.05	7.96	34.19	56.12	74.00	-17.88	Peak

Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH06(2437MHz)		

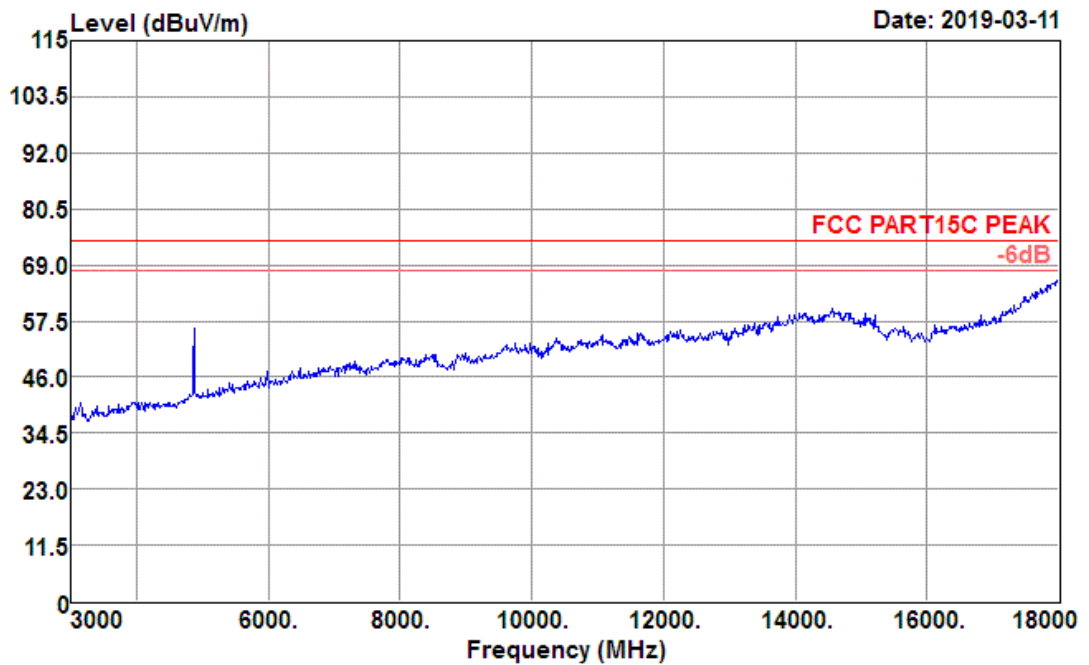
Data: 26 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129)



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2438.000	104.51	27.24	3.66	36.21	99.20	74.00	25.20	Peak

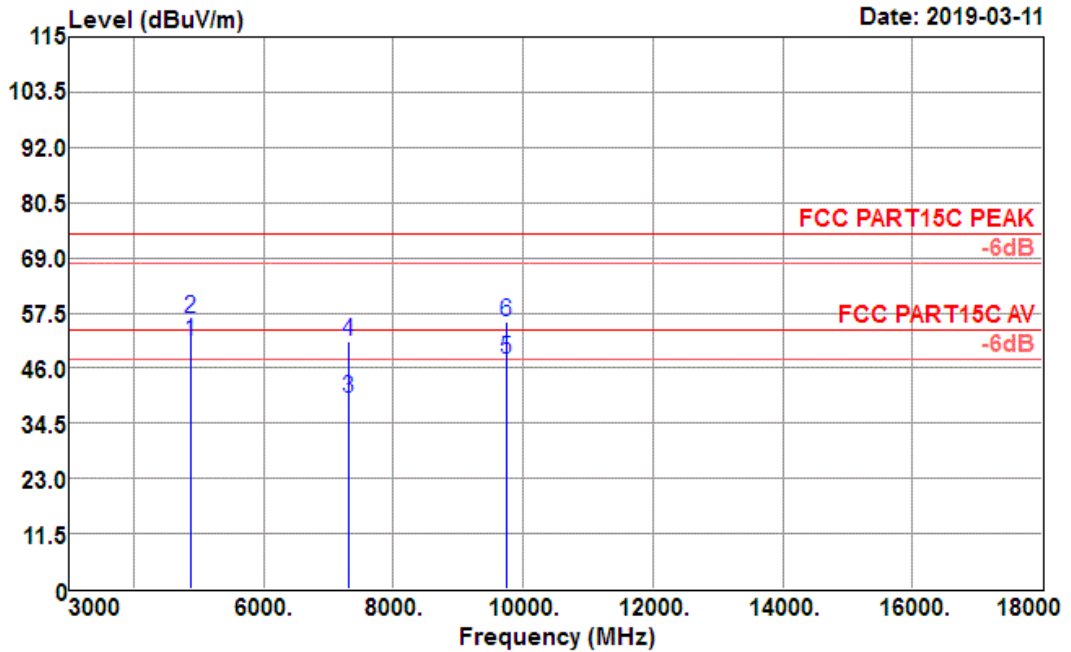
Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH06(2437MHz)		

Data: 24 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129)



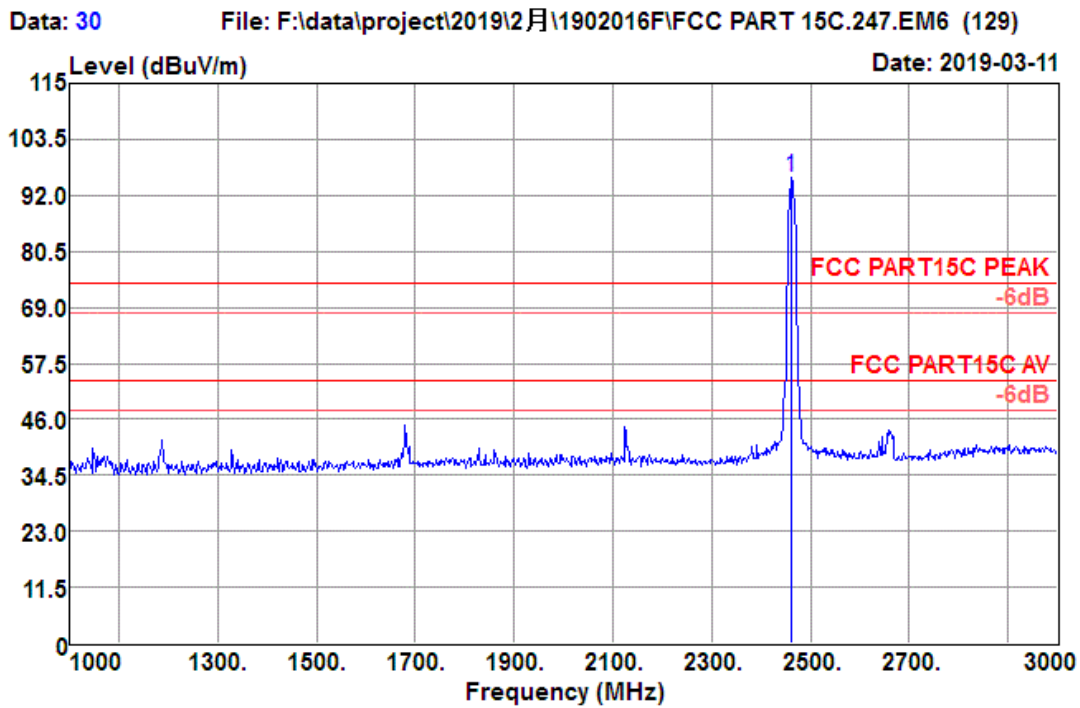
Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH06(2437MHz)		

Data: 25 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-11



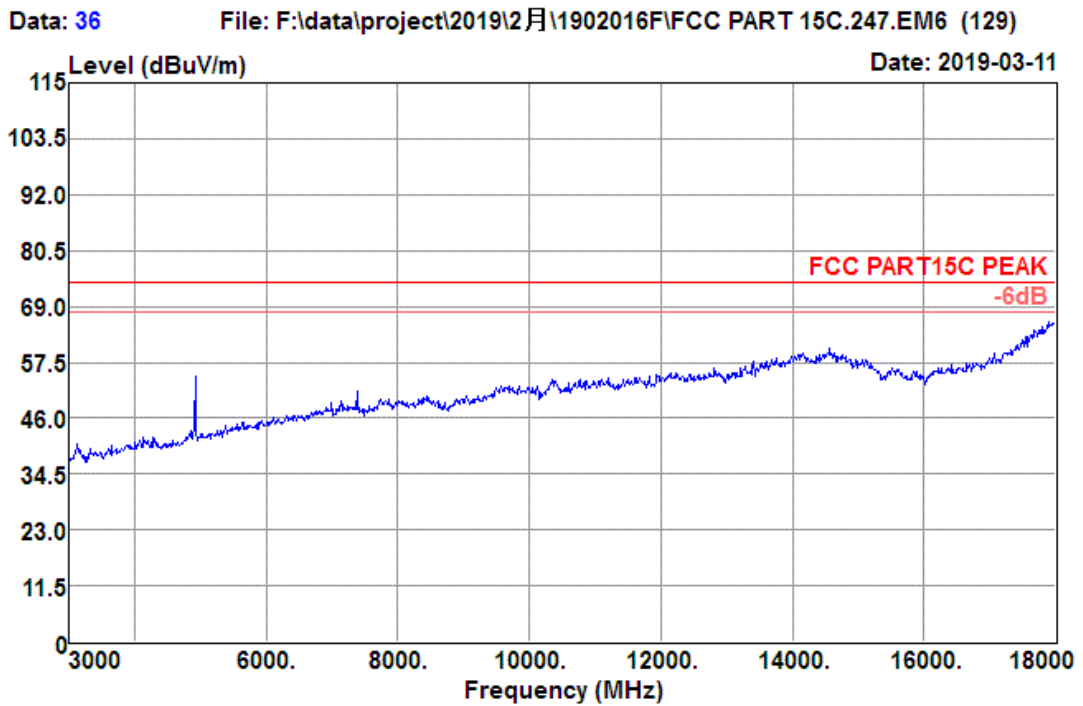
Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV	Limit level dBUV/m	Over limit dB	Remark
4874.000	51.05	31.40	5.41	36.24	51.62	54.00	-2.38	Average
4874.000	55.69	31.40	5.41	36.24	56.26	74.00	-17.74	Peak
7311.000	30.76	36.12	7.24	34.35	39.77	54.00	-14.23	Average
7311.000	42.53	36.12	7.24	34.35	51.54	74.00	-22.46	Peak
9748.000	36.08	38.05	7.96	34.19	47.90	54.00	-6.10	Average
9748.000	43.97	38.05	7.96	34.19	55.79	74.00	-18.21	Peak

Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH11(2462MHz)		



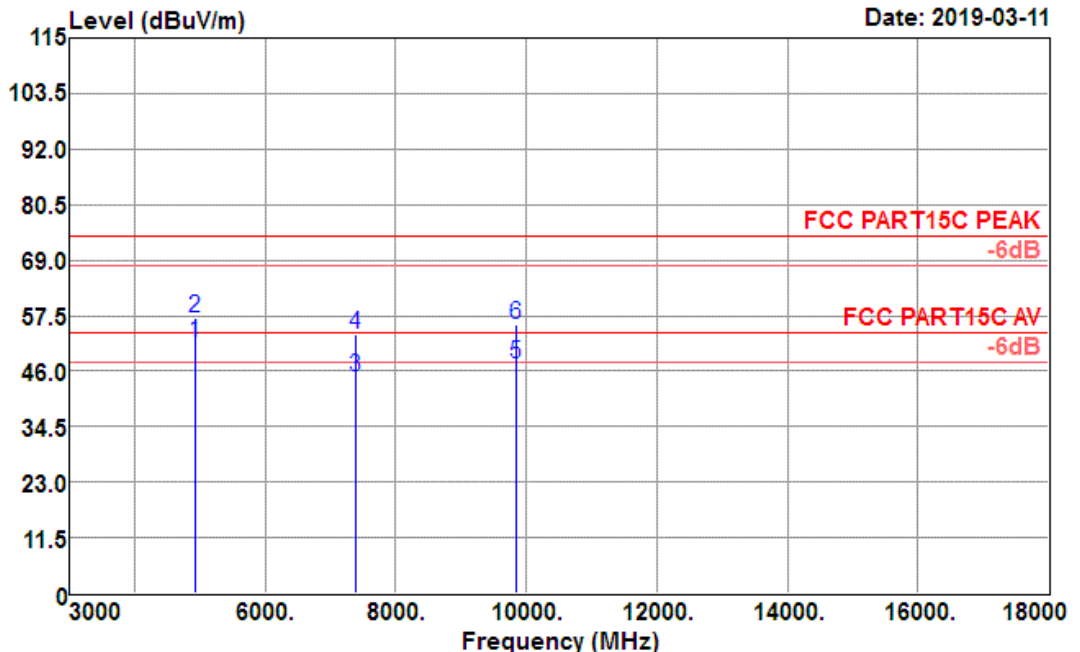
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2462.000	100.82	27.30	3.67	36.27	95.52	74.00	21.52	Peak

Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH11(2462MHz)		



Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH11(2462MHz)		

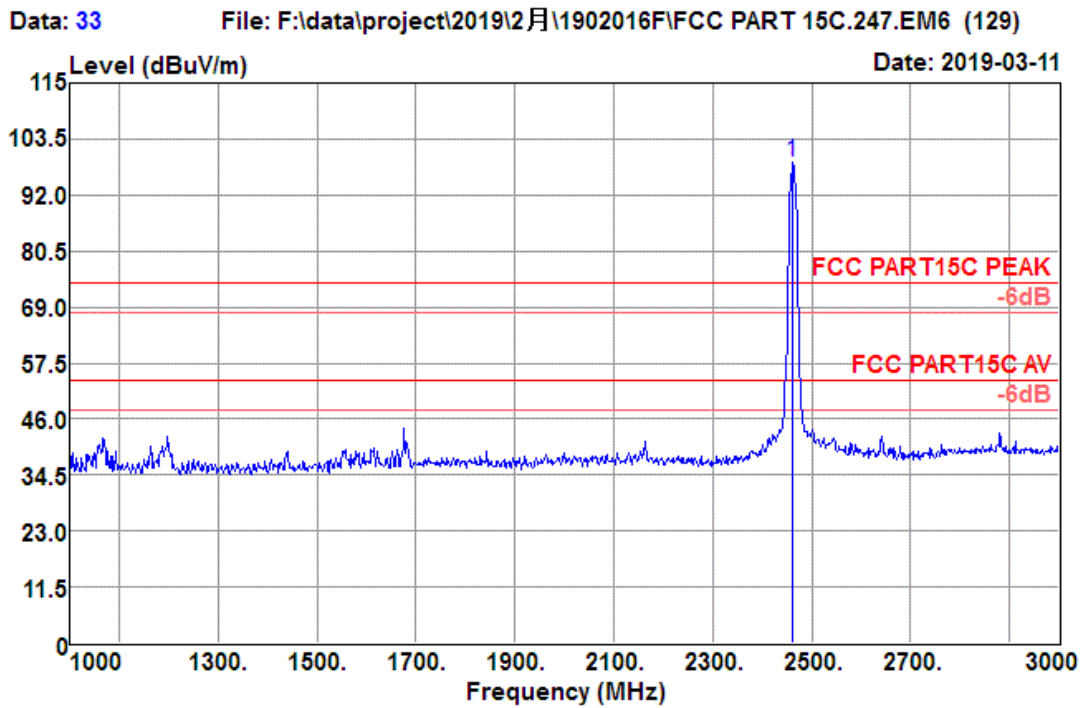
Data: 37 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-11



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4924.000	51.15	31.52	5.38	36.23	51.82	54.00	-2.18	Average
4924.000	56.46	31.52	5.38	36.23	57.13	74.00	-16.87	Peak
7386.000	35.31	36.29	7.46	34.42	44.64	54.00	-9.36	Average
7386.000	44.39	36.29	7.46	34.42	53.72	74.00	-20.28	Peak
9848.000	35.56	38.23	8.04	34.23	47.60	54.00	-6.40	Average
9848.000	43.54	38.23	8.04	34.23	55.58	74.00	-18.42	Peak

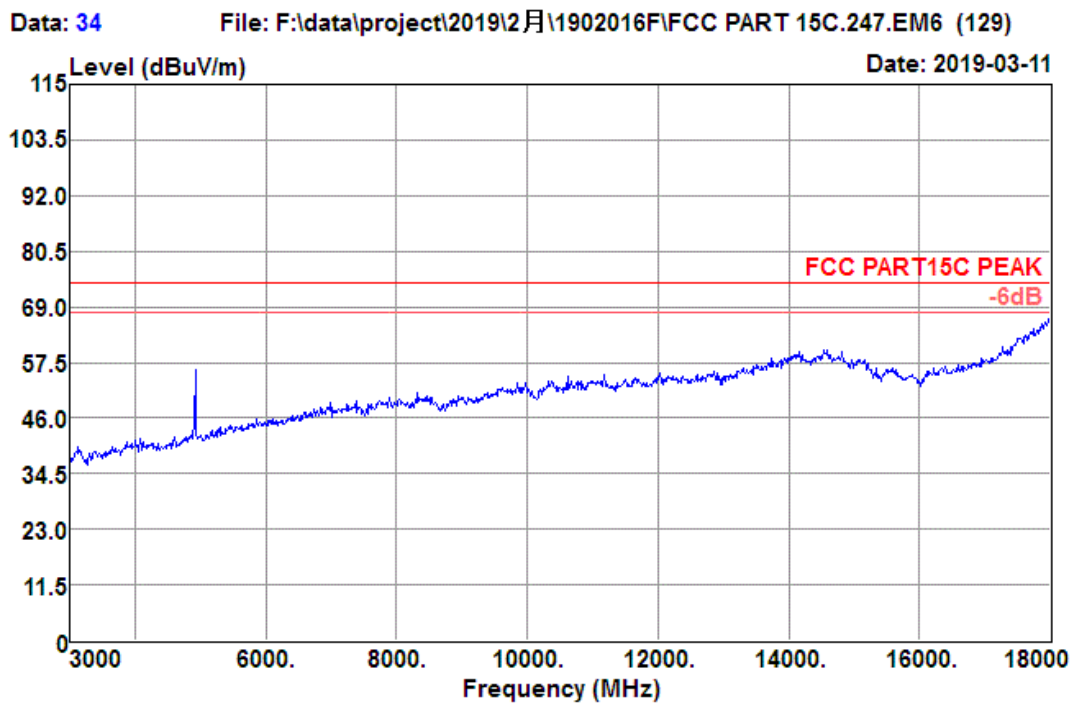


Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60Hz
-----		-----	
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----			
Test Mode	: 802.11b CH11(2462MHz)		
-----			



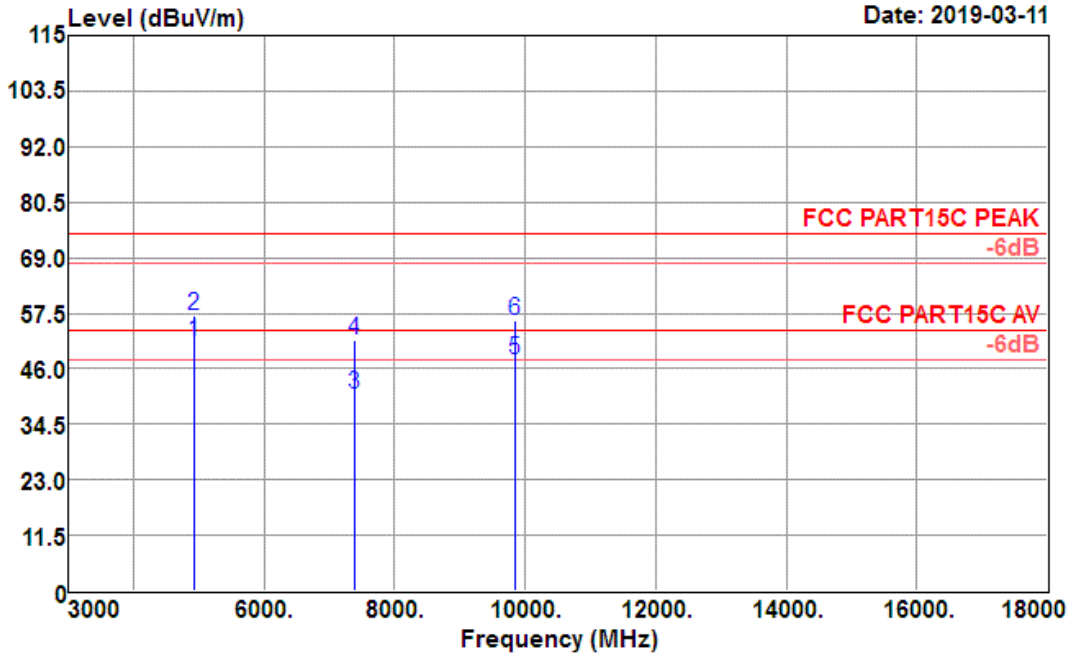
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2462.000	103.97	27.30	3.67	36.27	98.67	74.00	24.67	Peak

Test Site	: 3m Chamber	Temp/Humi	: 19°C /62%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH11(2462MHz)		



Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
Tested by	: Damon	Power rating:	: AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH11(2462MHz)		

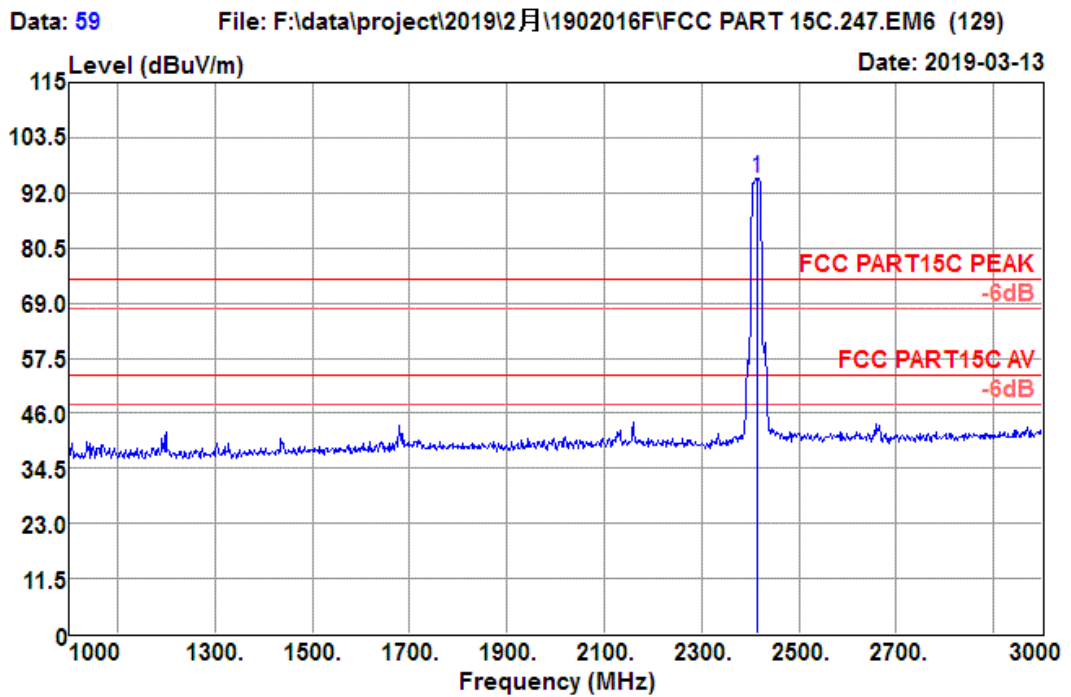
Data: 35 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-11



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4924.000	50.82	31.52	5.38	36.23	51.49	54.00	-2.51	Average
4924.000	56.48	31.52	5.38	36.23	57.15	74.00	-16.85	Peak
7386.000	31.47	36.29	7.46	34.42	40.80	54.00	-13.20	Average
7386.000	42.43	36.29	7.46	34.42	51.76	74.00	-22.24	Peak
9848.000	35.67	38.23	8.04	34.23	47.71	54.00	-6.29	Average
9848.000	44.11	38.23	8.04	34.23	56.15	74.00	-17.85	Peak

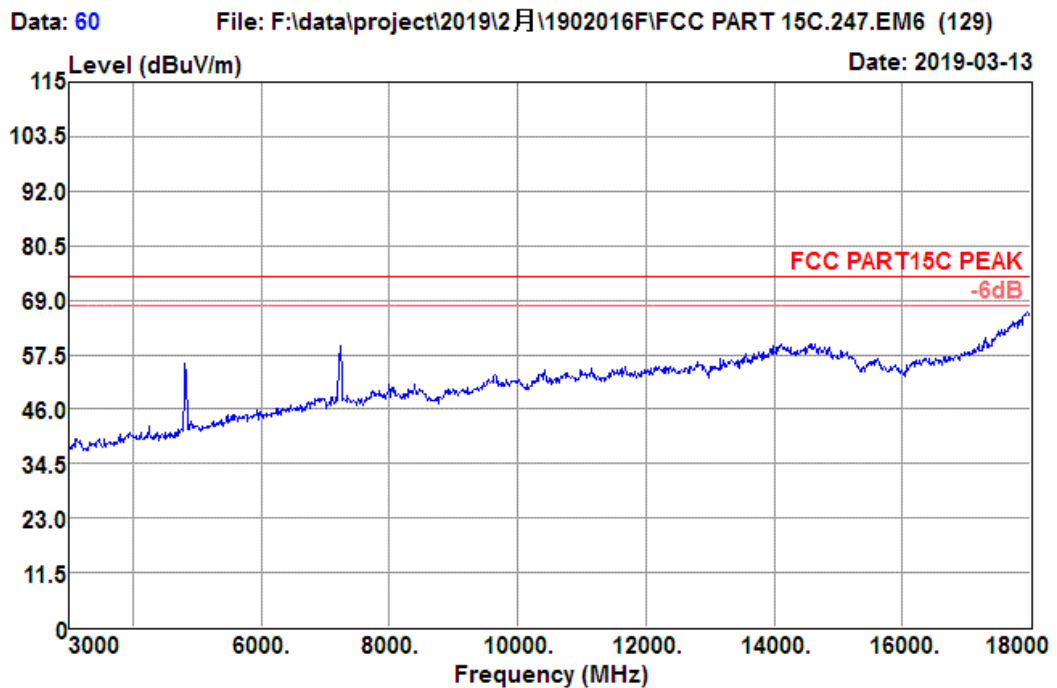
**802.11g mode**

Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11g CH01(2412MHz)		



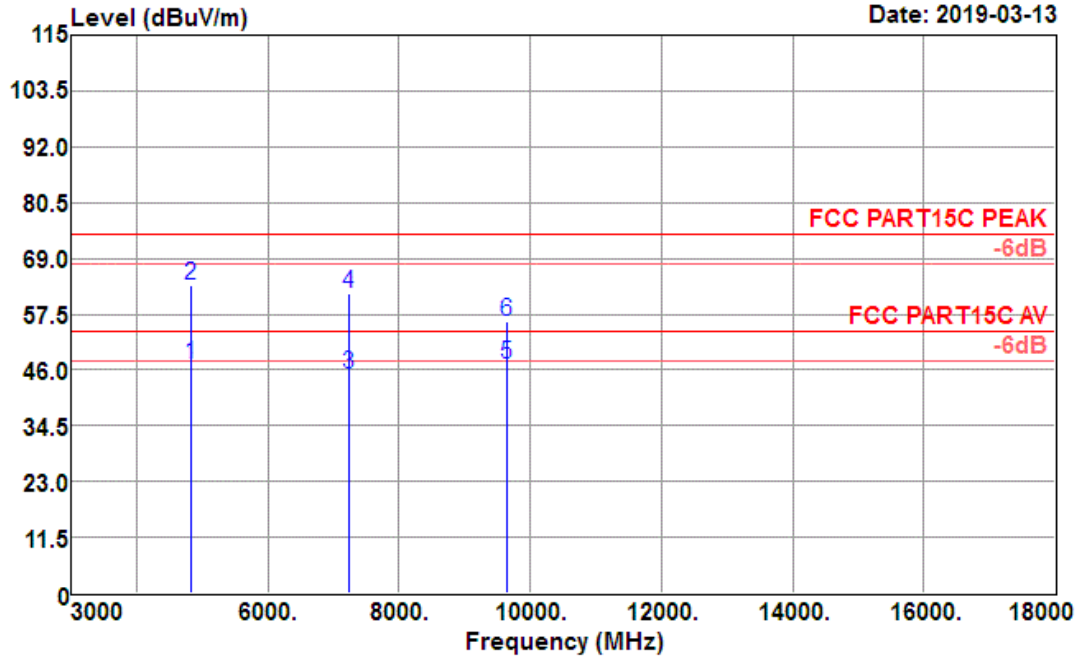
Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV	Limit level dBUV/m	Over limit dB	Remark
2416.000	100.36	27.18	3.66	36.15	95.05	74.00	21.05	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11g CH01(2412MHz)		



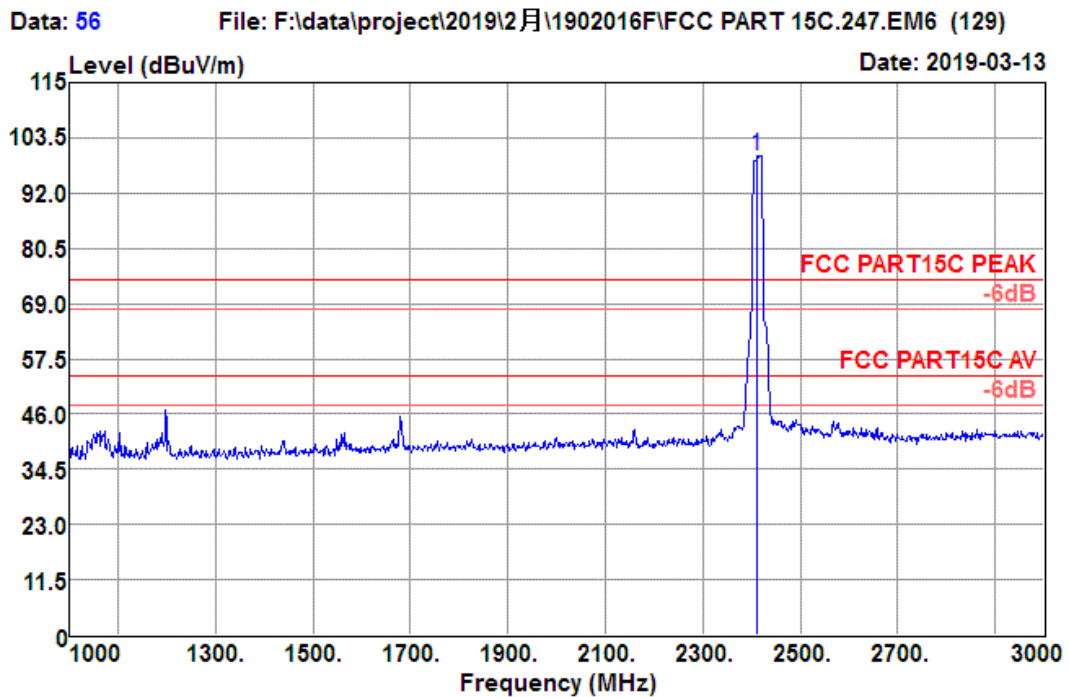
Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60Hz
-----		-----	
EUT	: Smart Camera	Pol/Phase	: VERTICAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----			
Test Mode	: 802.11g CH01(2412MHz)		
-----			

Data: 61 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-13



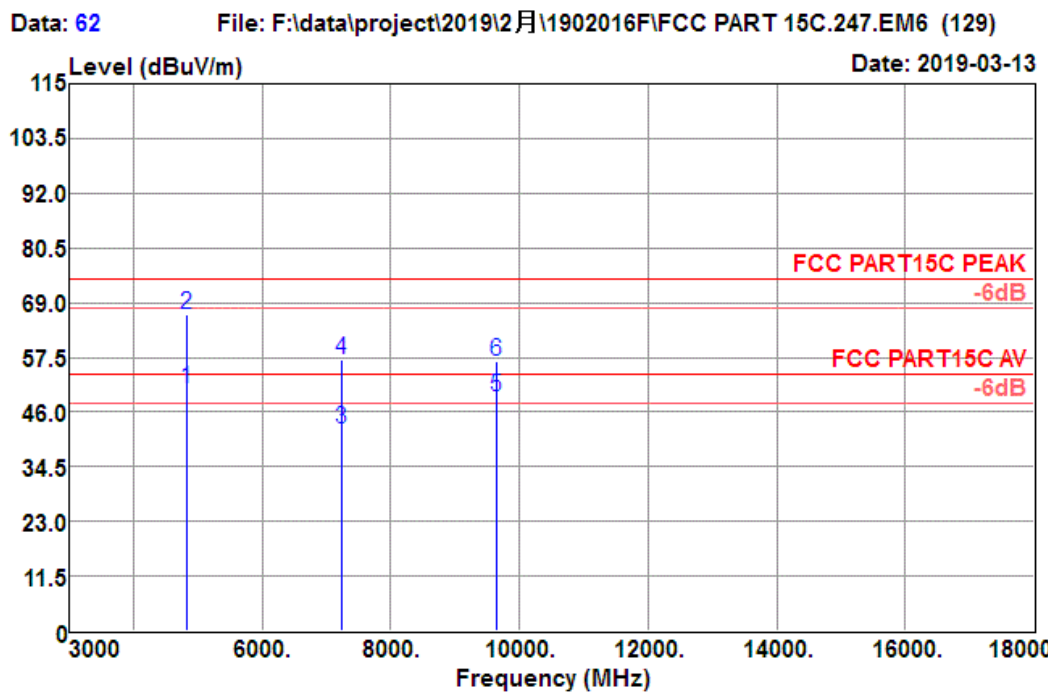
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4824.000	46.61	31.28	5.44	36.26	47.07	54.00	-6.93	Average
4824.000	62.99	31.28	5.44	36.26	63.45	74.00	-10.55	Peak
7236.000	36.59	35.94	7.02	34.27	45.28	54.00	-8.72	Average
7236.000	52.98	35.94	7.02	34.27	61.67	74.00	-12.33	Peak
9648.000	35.69	37.87	7.82	34.15	47.23	54.00	-6.77	Average
9648.000	44.36	37.87	7.82	34.15	55.90	74.00	-18.10	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60Hz
-----		-----	
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----			
Test Mode	: 802.11g CH01(2412MHz)		
-----			



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2412.000	105.13	27.17	3.65	36.14	99.81	74.00	25.81	Peak

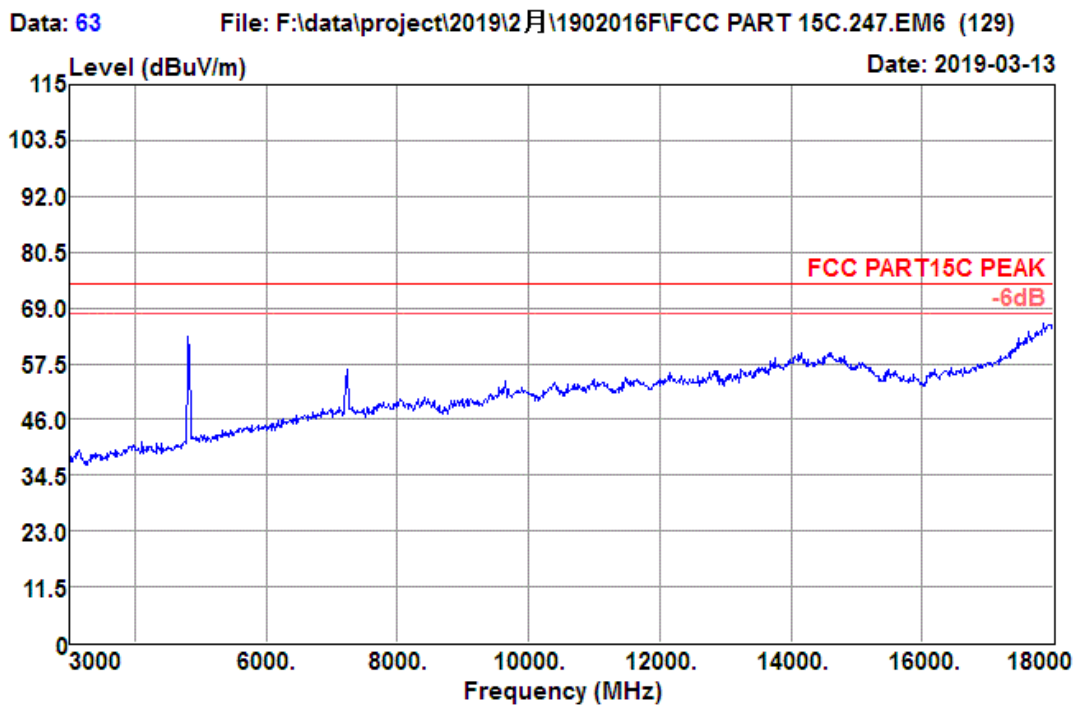
Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60Hz
-----		-----	
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----		-----	
Test Mode	: 802.11g CH01(2412MHz)		
-----		-----	



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4824.000	50.36	31.28	5.44	36.26	50.82	54.00	-3.18	Average
4824.000	65.99	31.28	5.44	36.26	66.45	74.00	-7.55	Peak
7236.000	33.64	35.94	7.02	34.27	42.33	54.00	-11.67	Average
7236.000	48.47	35.94	7.02	34.27	57.16	74.00	-16.84	Peak
9648.000	37.53	37.87	7.82	34.15	49.07	54.00	-4.93	Average
9648.000	45.24	37.87	7.82	34.15	56.78	74.00	-17.22	Peak

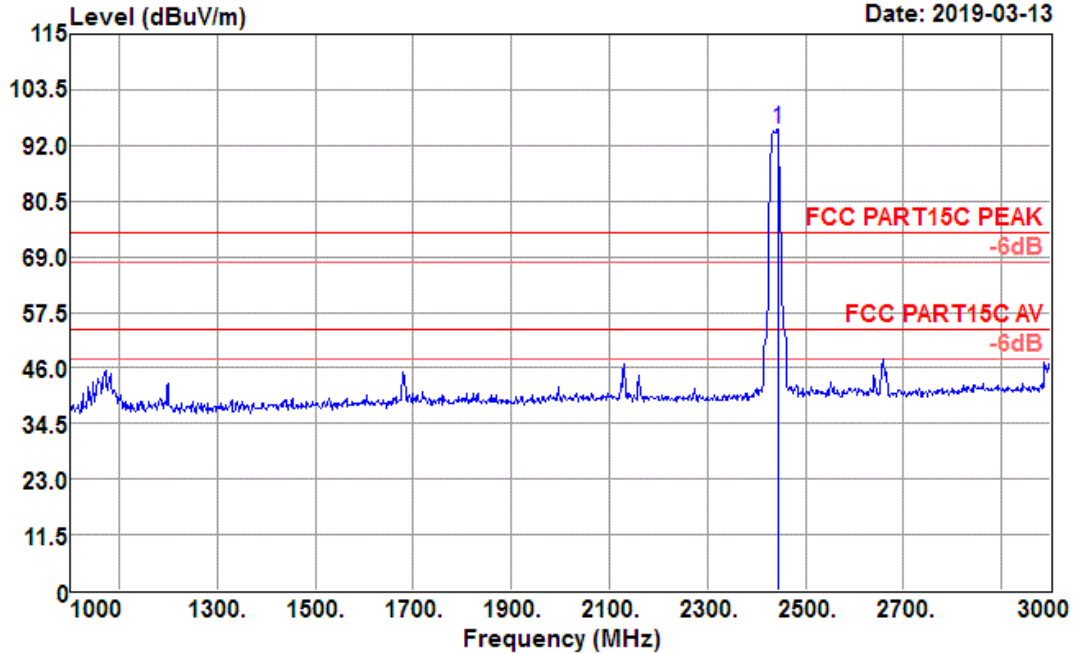


Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11g CH01(2412MHz)		



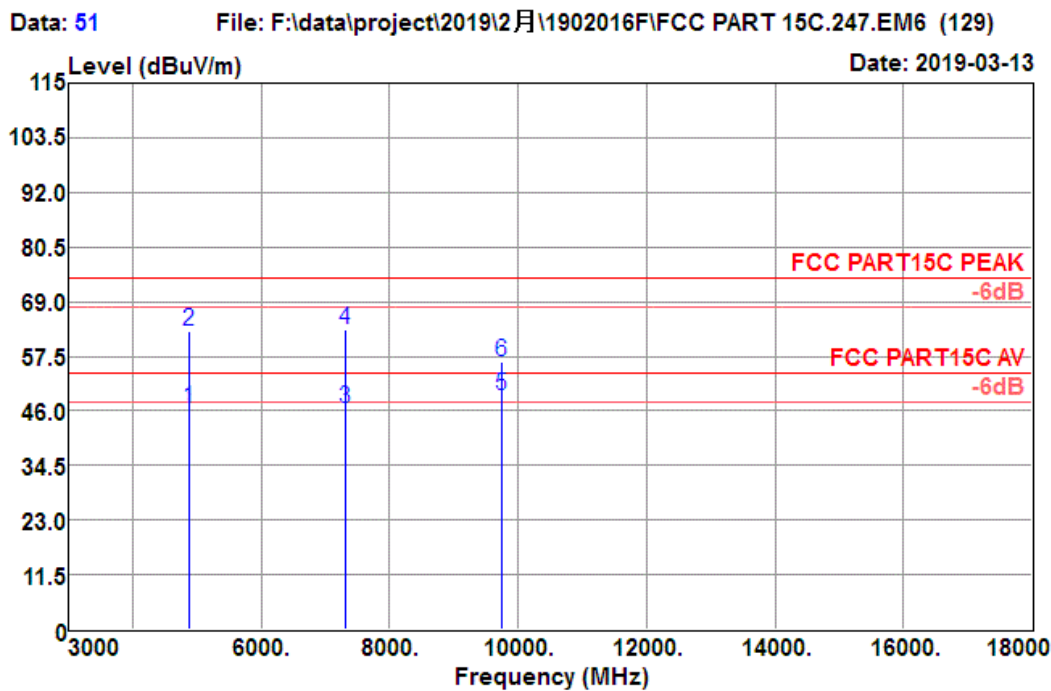
Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11g CH06(2437MHz)		

Data: 52 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-13



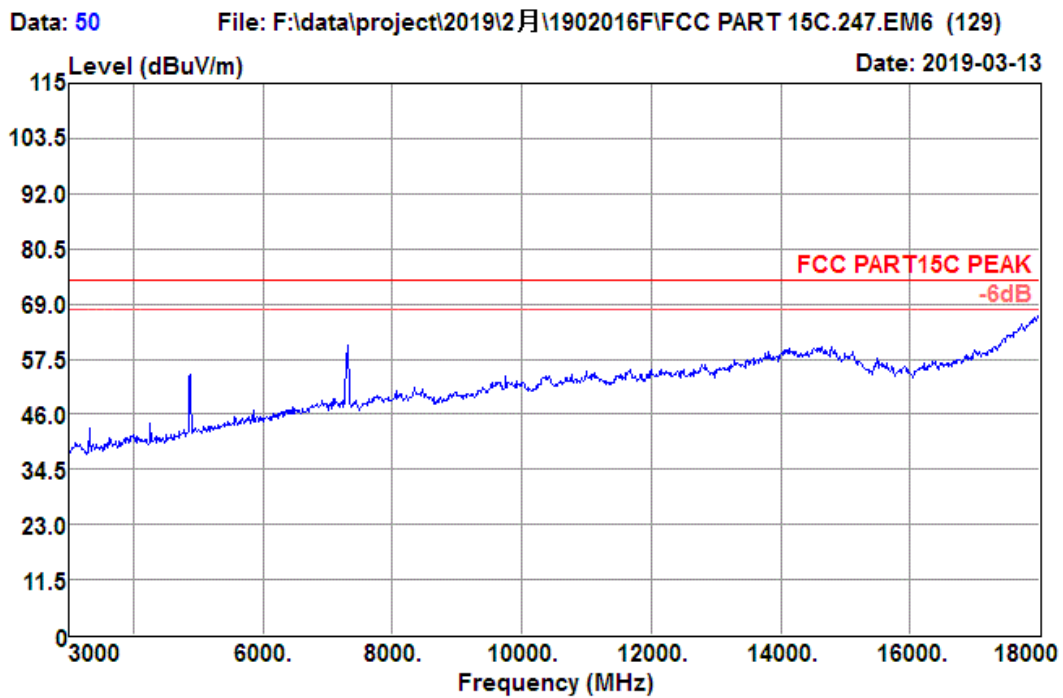
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2444.000	100.60	27.25	3.67	36.22	95.30	74.00	21.30	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60Hz
-----		-----	
EUT	: Smart Camera	Pol/Phase	: VERTICAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----		-----	
Test Mode	: 802.11g CH06(2437MHz)		
-----		-----	

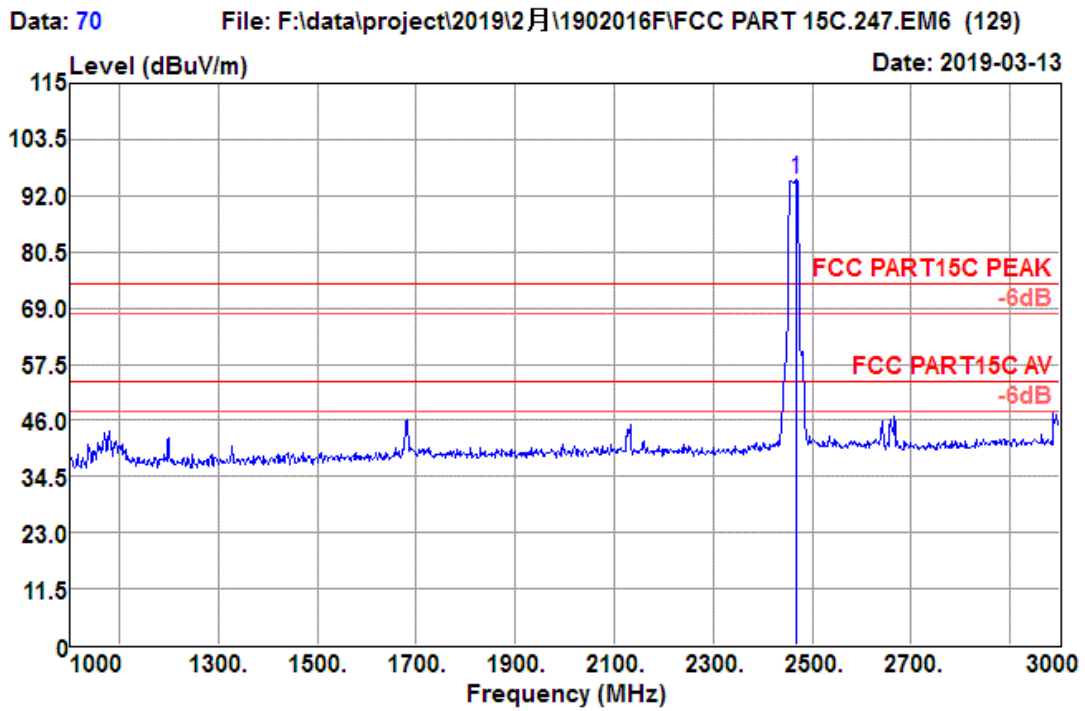


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4874.000	46.01	31.40	5.41	36.24	46.58	54.00	-7.42	Average
4874.000	62.04	31.40	5.41	36.24	62.61	74.00	-11.39	Peak
7311.000	37.42	36.12	7.24	34.35	46.43	54.00	-7.57	Average
7311.000	54.08	36.12	7.24	34.35	63.09	74.00	-10.91	Peak
9748.000	37.37	38.05	7.96	34.19	49.19	54.00	-4.81	Average
9748.000	44.58	38.05	7.96	34.19	56.40	74.00	-17.60	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
Tested by	: Damon	Power rating:	: AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11g CH06(2437MHz)		

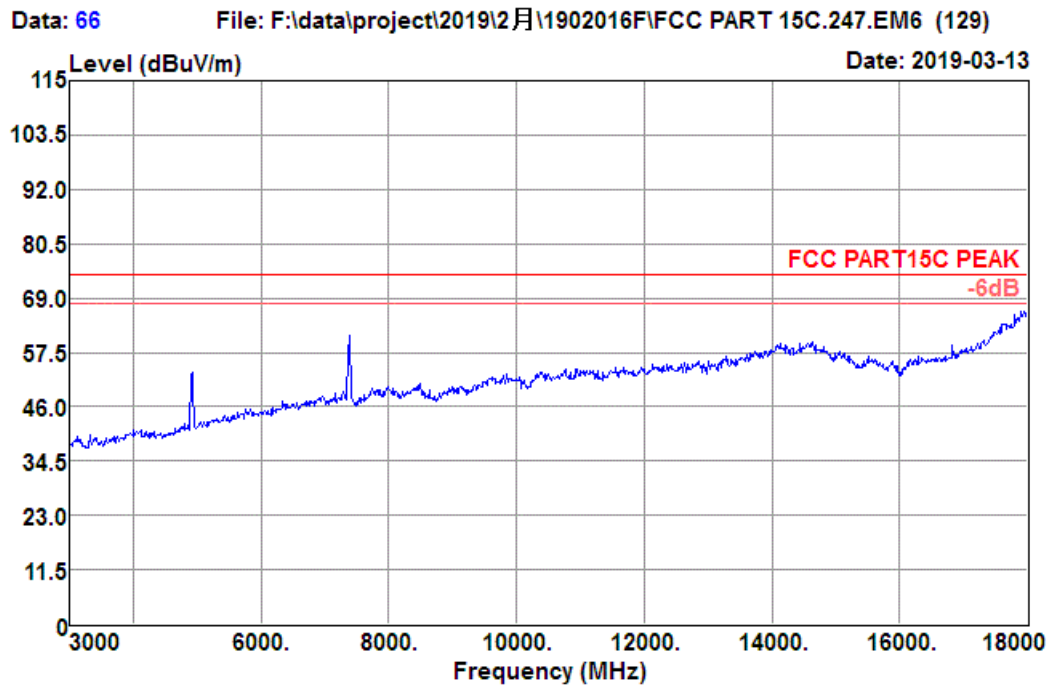


Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60Hz
-----		-----	
EUT	: Smart Camera	Pol/Phase	: VERTICAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----		-----	
Test Mode	: 802.11g CH11(2462MHz)		
-----		-----	

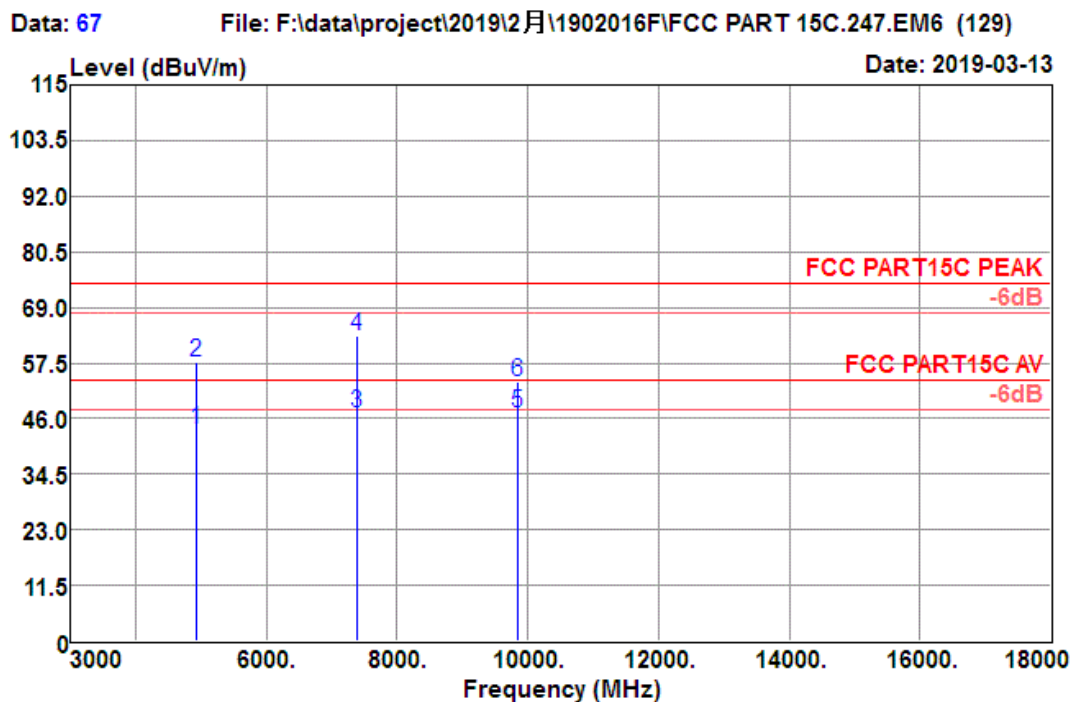


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2468.000	100.53	27.32	3.67	36.29	95.23	74.00	21.23	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
-----			
Tested by	: Damon	Power rating:	AC120V/60Hz
-----			
EUT	: Smart Camera	Pol/Phase	: VERTICAL
-----			
Model No.	: XY/TA-R9820-K2		
-----			
Test Mode	: 802.11g CH11(2462MHz)		
-----			

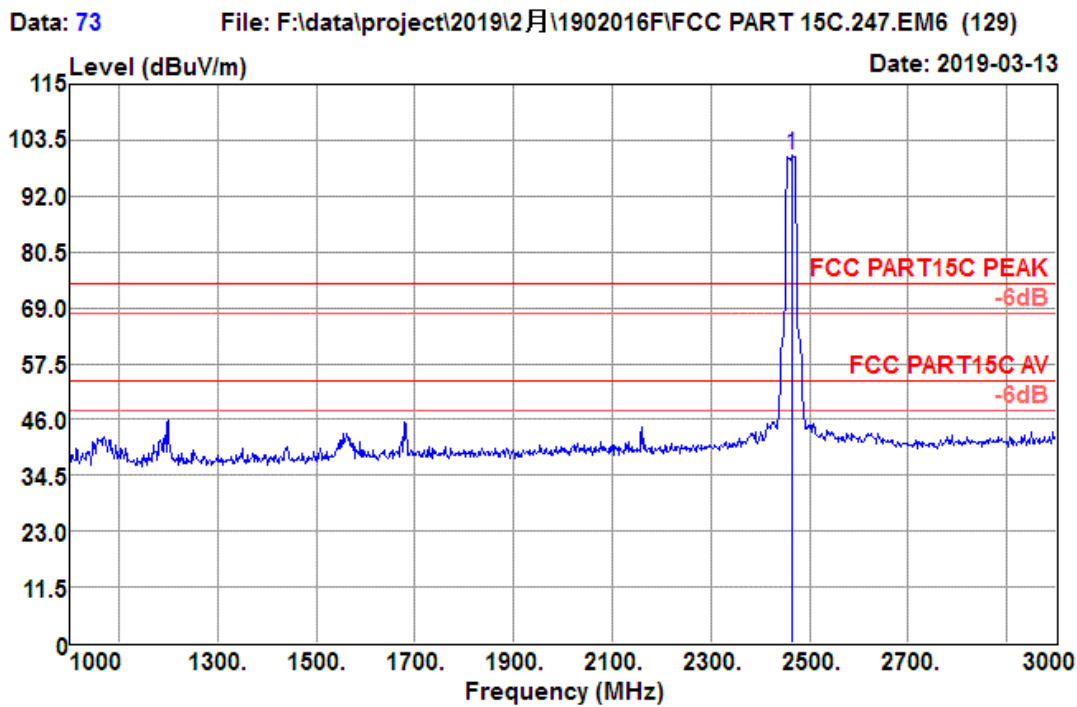


Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11g CH11(2462MHz)		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4924.000	43.07	31.52	5.38	36.23	43.74	54.00	-10.26	Average
4924.000	57.14	31.52	5.38	36.23	57.81	74.00	-16.19	Peak
7386.000	37.92	36.29	7.46	34.42	47.25	54.00	-6.75	Average
7386.000	53.69	36.29	7.46	34.42	63.02	74.00	-10.98	Peak
9848.000	35.01	38.23	8.04	34.23	47.05	54.00	-6.95	Average
9848.000	41.51	38.23	8.04	34.23	53.55	74.00	-20.45	Peak

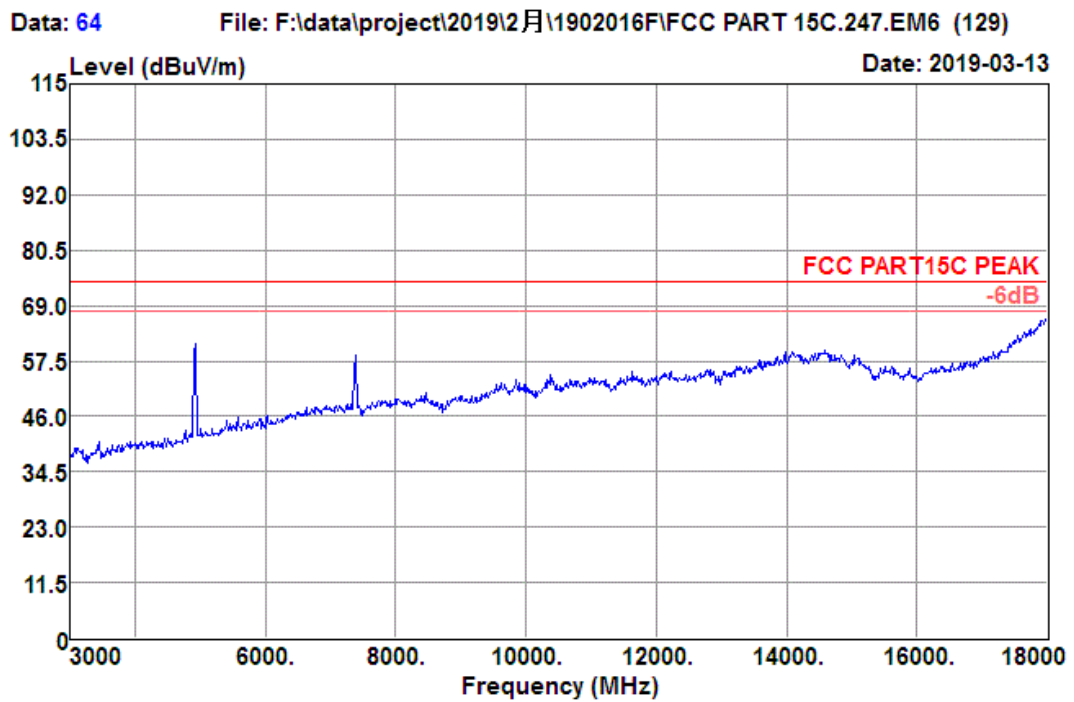
Test Site	: 3m Chamber	Temp/Humi	: 17°C / 60%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60Hz
-----		-----	
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----			
Test Mode	: 802.11g CH11(2462MHz)		
-----			



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2466.000	105.61	27.31	3.67	36.28	100.31	74.00	26.31	Peak

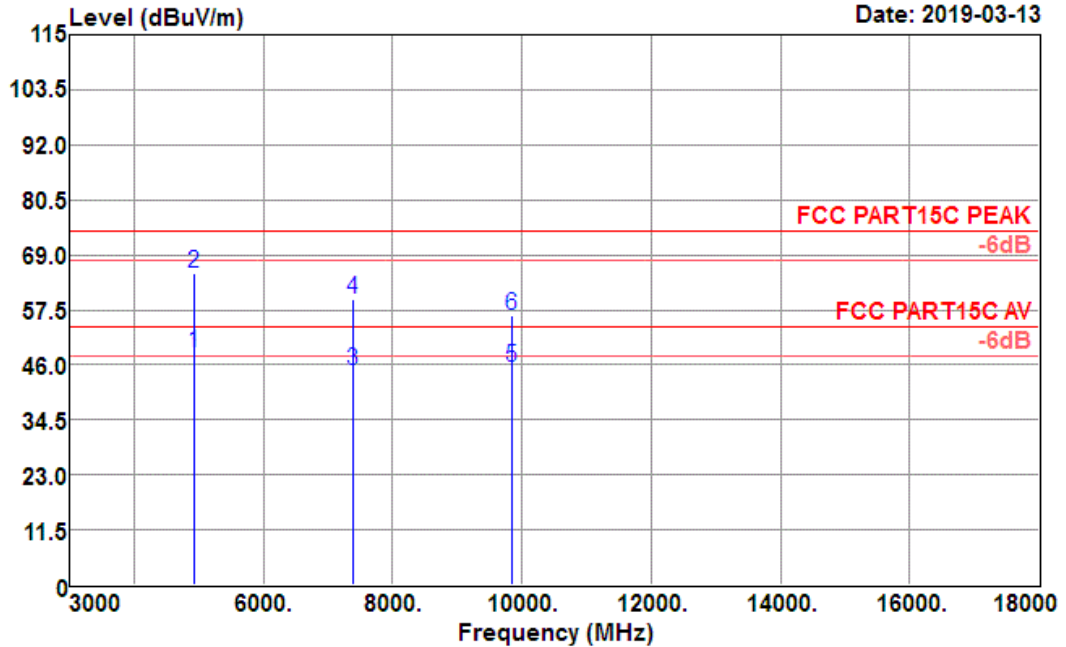


Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
Tested by	: Damon	Power rating:	AC120V/60HZ
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11g CH11(2462MHz)		



Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11g CH11(2462MHz)		

Data: 65 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-13

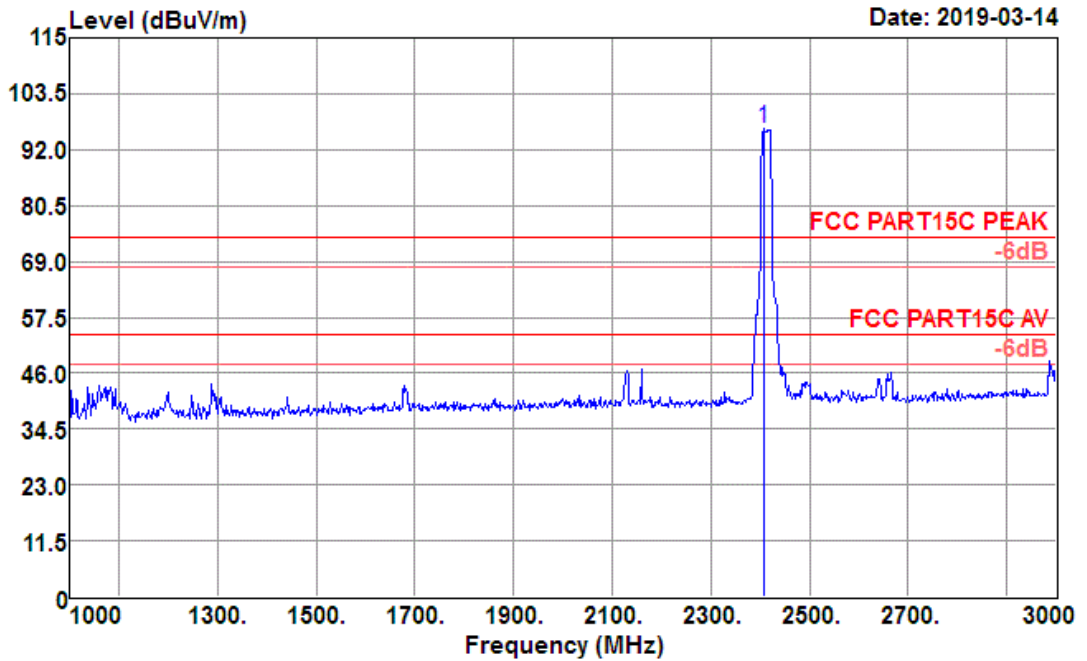


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4924.000	47.70	31.52	5.38	36.23	48.37	54.00	-5.63	Average
4924.000	64.55	31.52	5.38	36.23	65.22	74.00	-8.78	Peak
7386.000	35.38	36.29	7.46	34.42	44.71	54.00	-9.29	Average
7386.000	50.49	36.29	7.46	34.42	59.82	74.00	-14.18	Peak
9848.000	33.29	38.23	8.04	34.23	45.33	54.00	-8.67	Average
9848.000	44.34	38.23	8.04	34.23	56.38	74.00	-17.62	Peak

**802.11n20 mode**

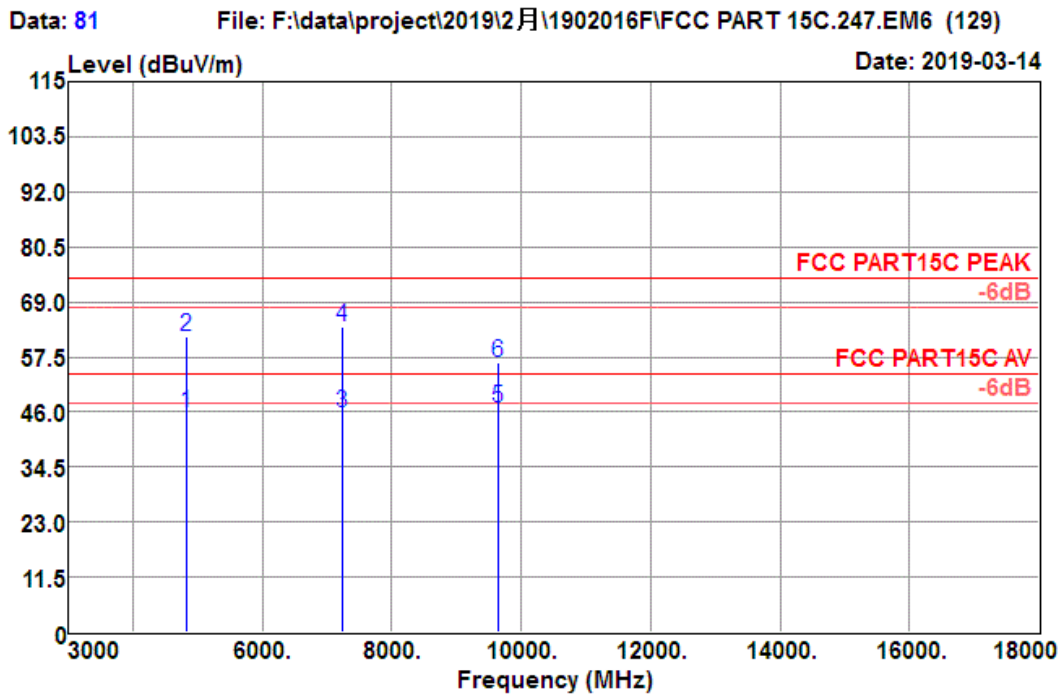
Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60Hz
-----		-----	
EUT	: Smart Camera	Pol/Phase	: VERTICAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----			
Test Mode	: 802.11n HT20 CH01(2412MHz)		
-----			

Data: 98 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129)



Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV	Limit level dBUV/m	Over limit dB	Remark
2408.000	101.53	27.16	3.65	36.13	96.21	74.00	22.21	Peak

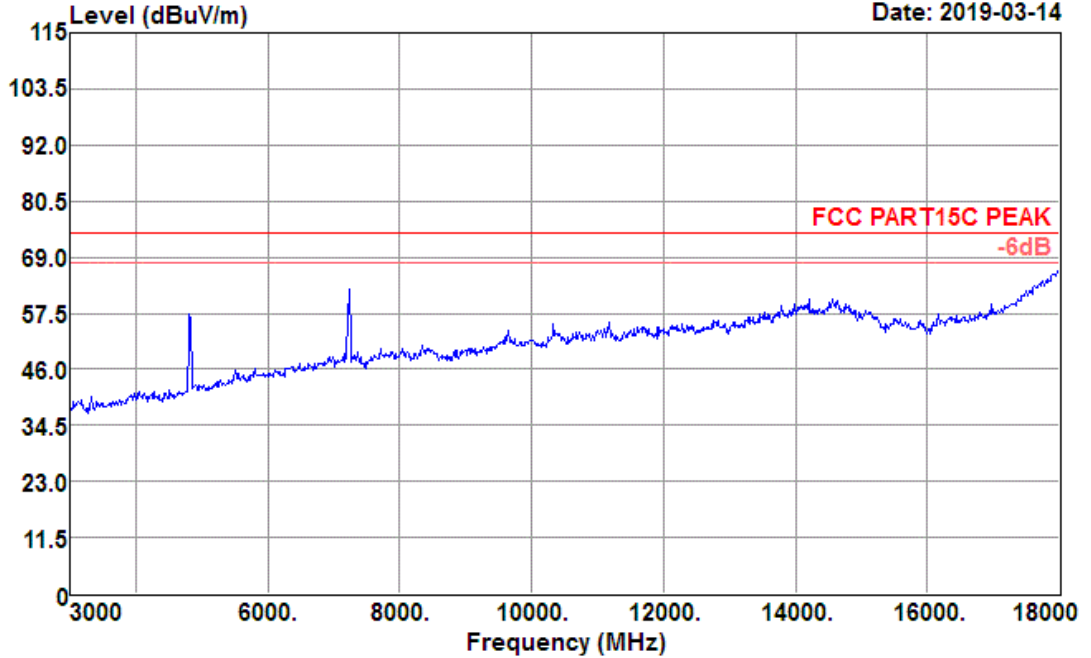
Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
-----			
Tested by	: Damon	Power rating:	AC120V/60Hz
-----			
EUT	: Smart Camera	Pol/Phase	: VERTICAL
-----			
Model No.	: XY/TA-R9820-K2		
-----			
Test Mode	: 802.11n HT20 CH01(2412MHz)		
-----			



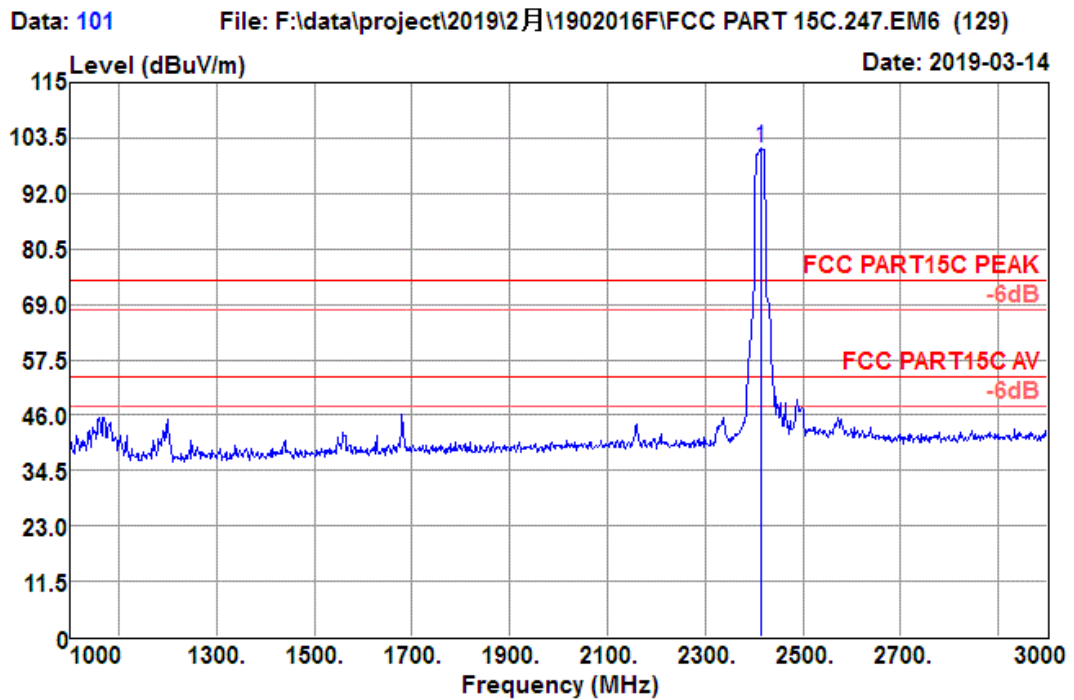
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4824.000	45.29	31.28	5.44	36.26	45.75	54.00	-8.25	Average
4824.000	61.13	31.28	5.44	36.26	61.59	74.00	-12.41	Peak
7236.000	37.17	35.94	7.02	34.27	45.86	54.00	-8.14	Average
7236.000	54.95	35.94	7.02	34.27	63.64	74.00	-10.36	Peak
9648.000	35.17	37.87	7.82	34.15	46.71	54.00	-7.29	Average
9648.000	44.77	37.87	7.82	34.15	56.31	74.00	-17.69	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT20 CH01(2412MHz)		

Data: 80 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-14

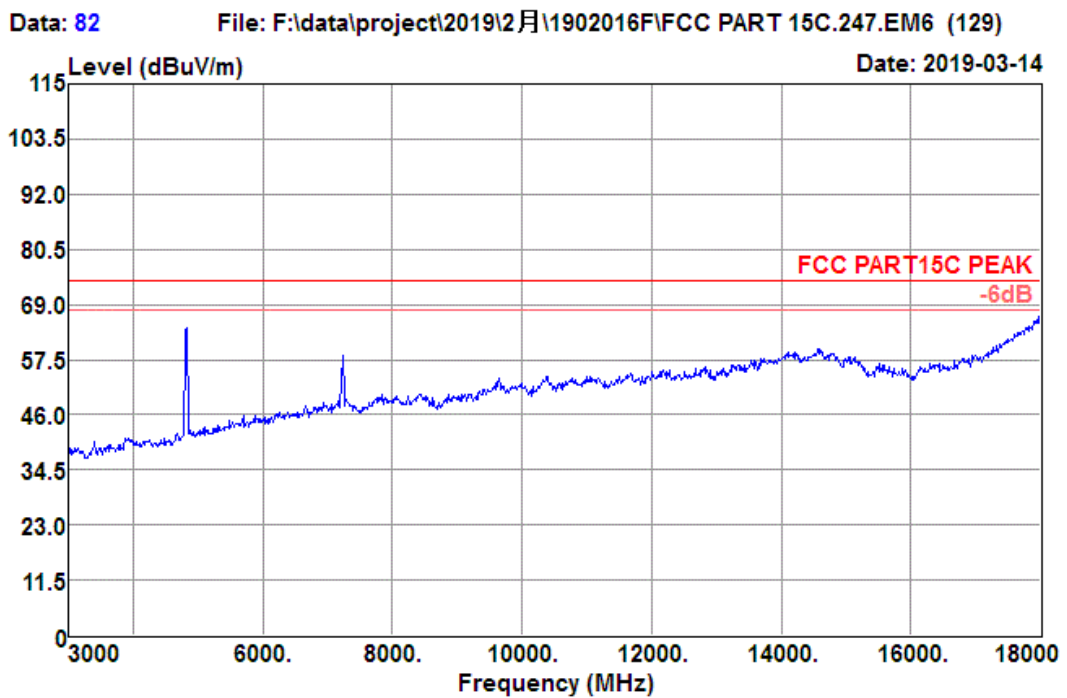


Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60HZ
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT20 CH01(2412MHz)		



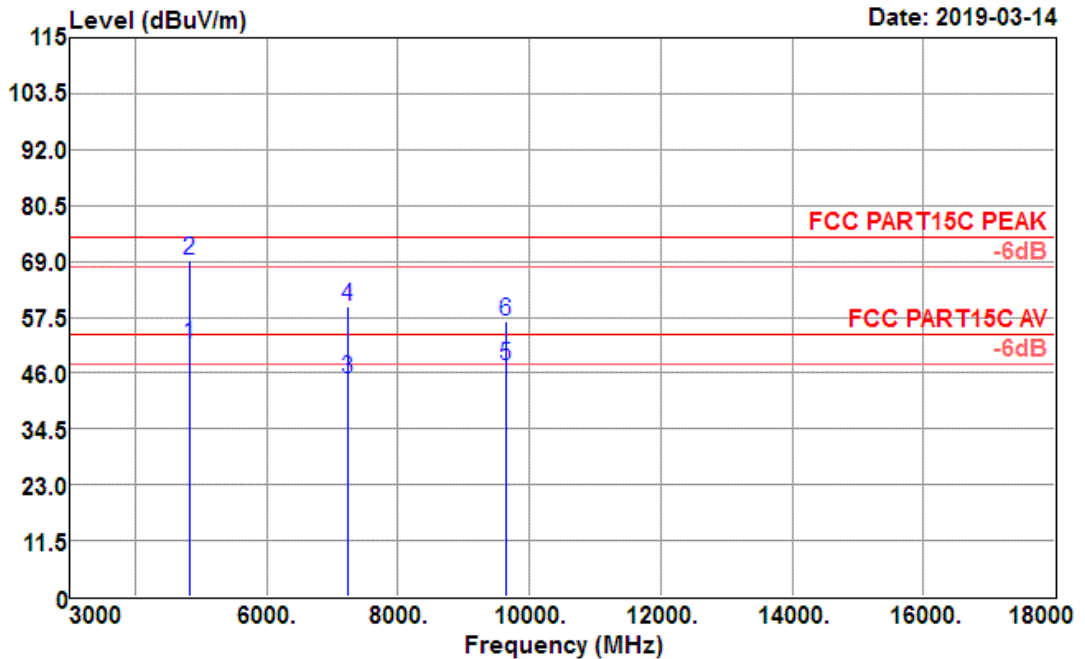
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2414.000	106.79	27.18	3.65	36.14	101.48	74.00	27.48	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
-----			
Tested by	: Damon	Power rating:	AC120V/60Hz
-----			
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
-----			
Model No.	: XY/TA-R9820-K2		
-----			
Test Mode	: 802.11n HT20 CH01(2412MHz)		
-----			



Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT20 CH01(2412MHz)		

Data: 83 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-14

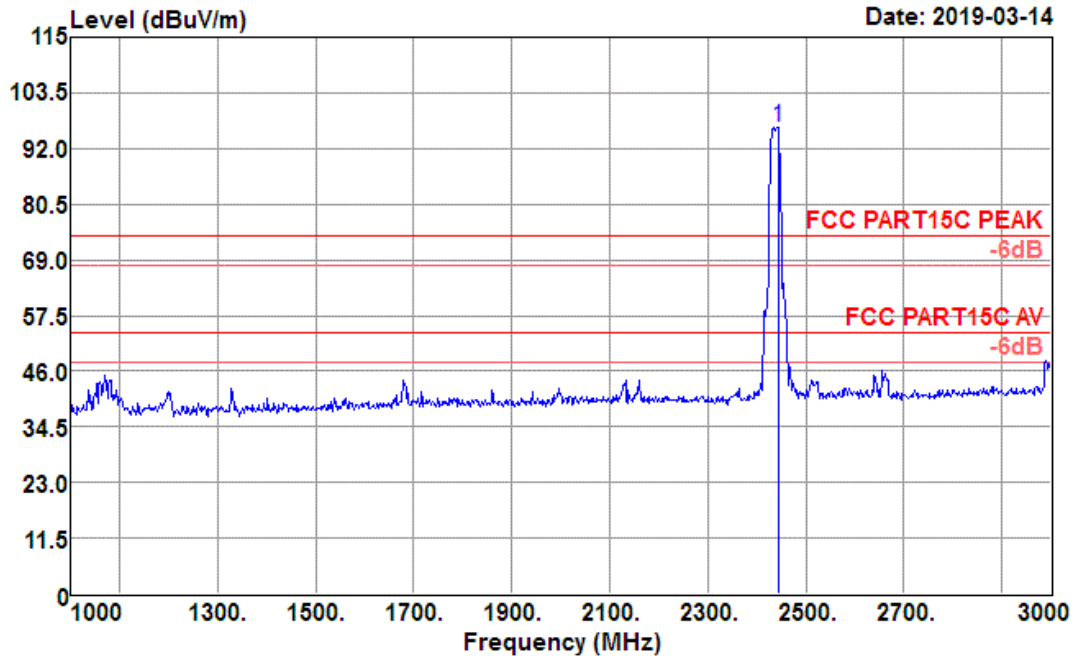


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4824.000	51.44	31.28	5.44	36.26	51.90	54.00	-2.10	Average
4824.000	68.61	31.28	5.44	36.26	69.07	74.00	-4.93	Peak
7236.000	36.25	35.94	7.02	34.27	44.94	54.00	-9.06	Average
7236.000	51.06	35.94	7.02	34.27	59.75	74.00	-14.25	Peak
9648.000	36.13	37.87	7.82	34.15	47.67	54.00	-6.33	Average
9648.000	45.02	37.87	7.82	34.15	56.56	74.00	-17.44	Peak



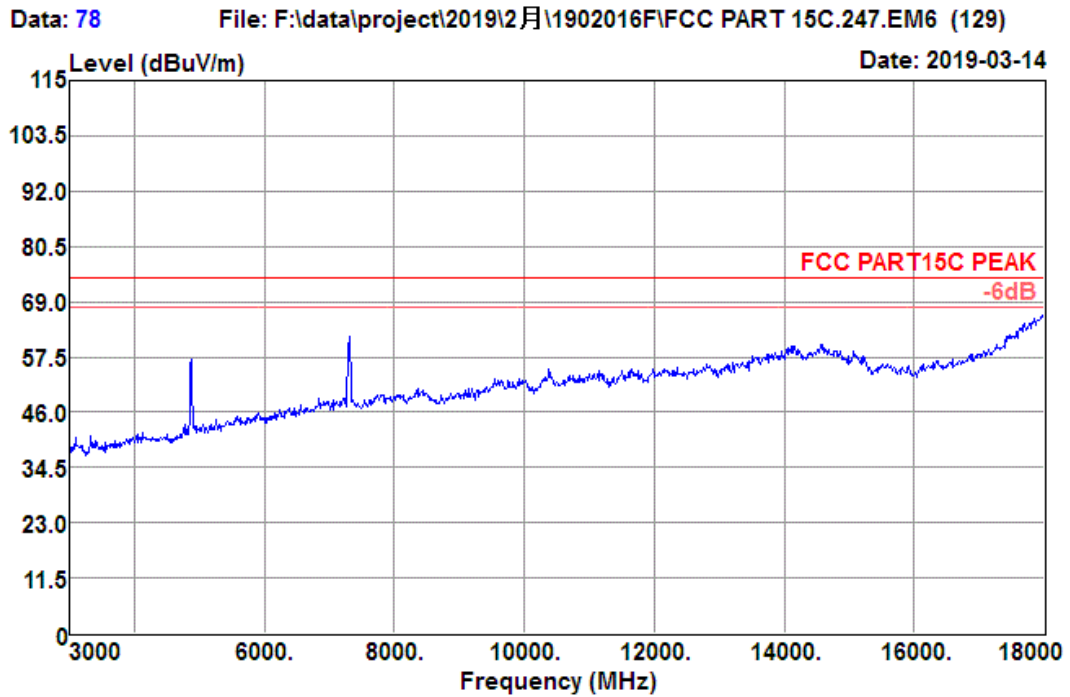
Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT20 CH06(2437MHz)		

Data: 95 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-14

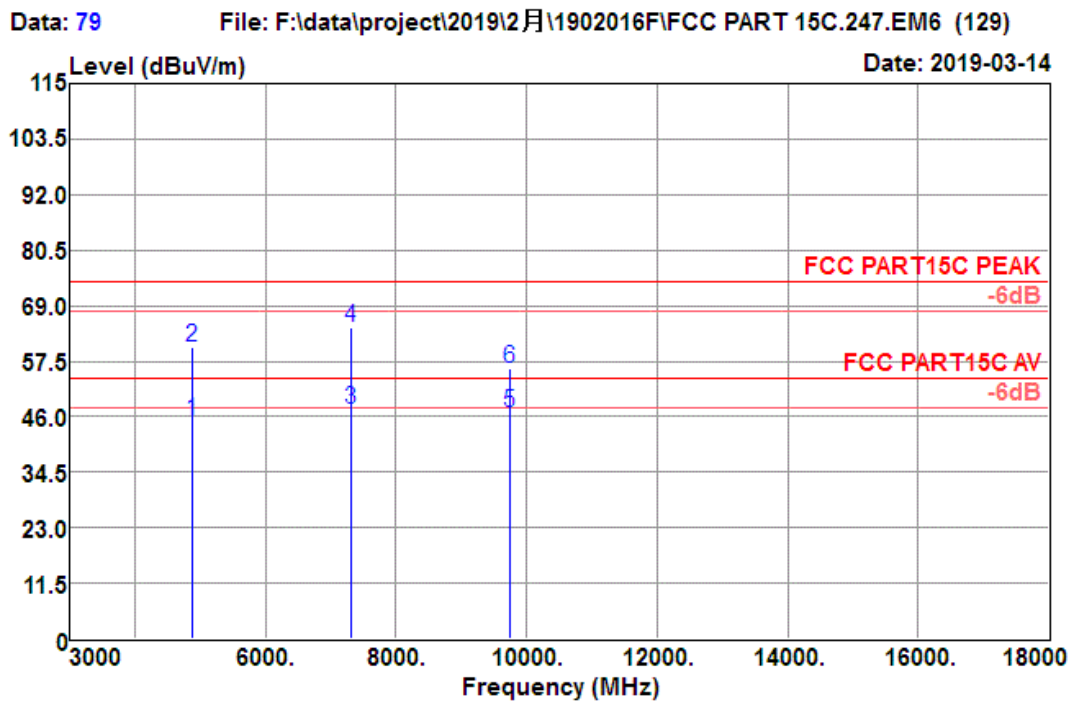


Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV	Limit level dBUV/m	Over limit dB	Remark
2444.000	101.71	27.25	3.67	36.22	96.41	74.00	22.41	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT20 CH06(2437MHz)		



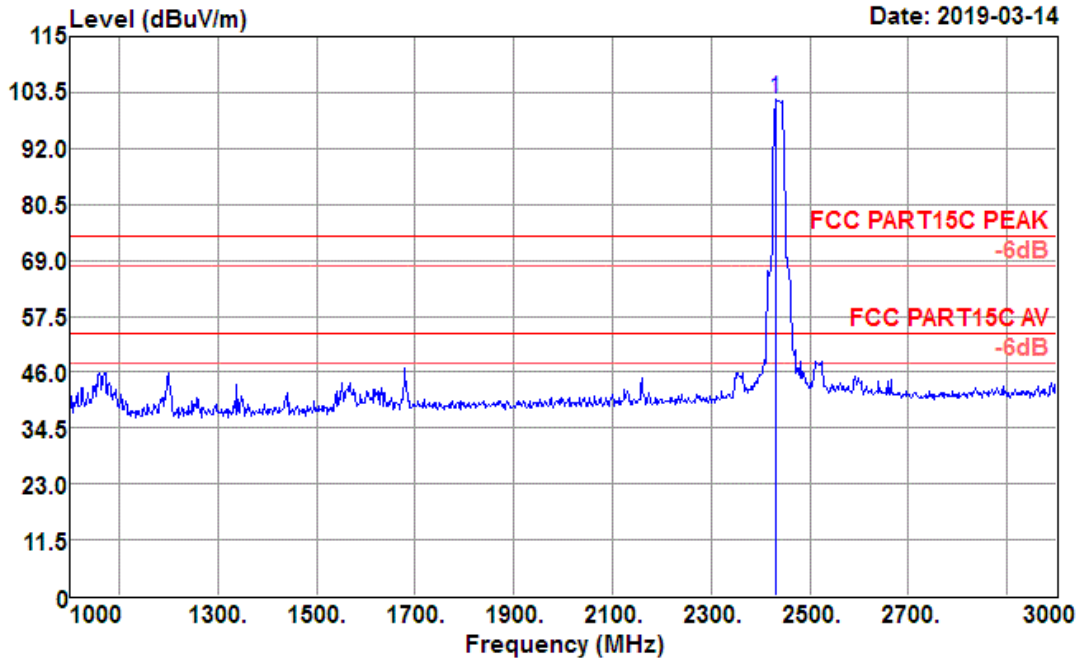
Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT20 CH06(2437MHz)		



Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV	Limit level dBUV/m	Over limit dB	Remark
4874.000	44.71	31.40	5.41	36.24	45.28	54.00	-8.72	Average
4874.000	59.93	31.40	5.41	36.24	60.50	74.00	-13.50	Peak
7311.000	38.54	36.12	7.24	34.35	47.55	54.00	-6.45	Average
7311.000	55.34	36.12	7.24	34.35	64.35	74.00	-9.65	Peak
9748.000	35.15	38.05	7.96	34.19	46.97	54.00	-7.03	Average
9748.000	44.21	38.05	7.96	34.19	56.03	74.00	-17.97	Peak

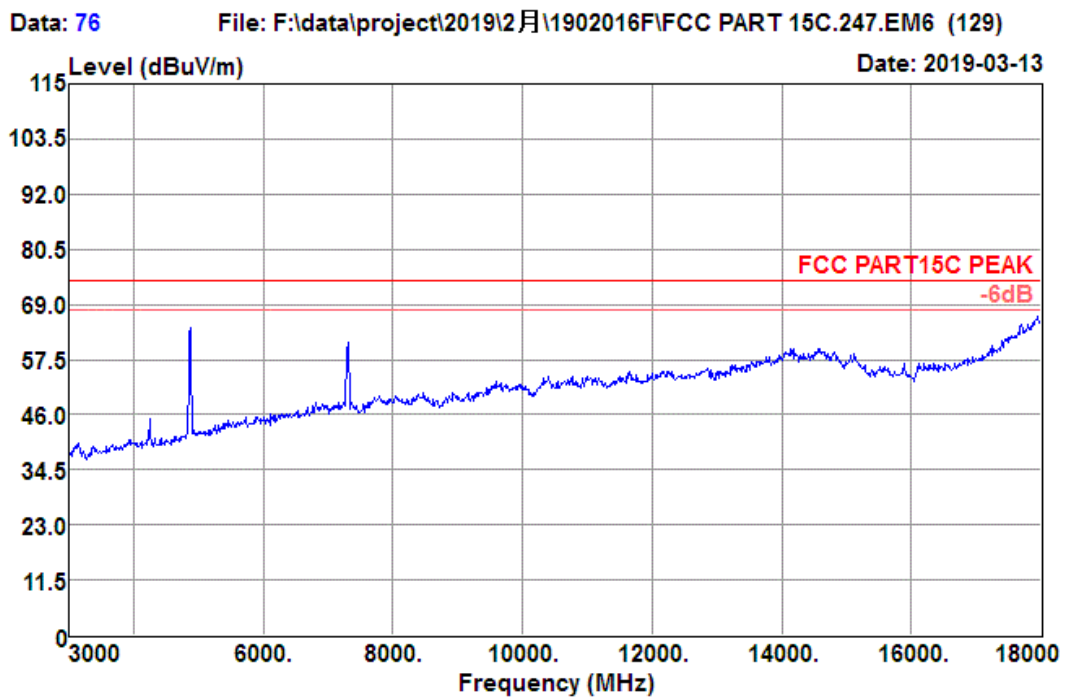
Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT20 CH06(2437MHz)		

Data: 94 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-14

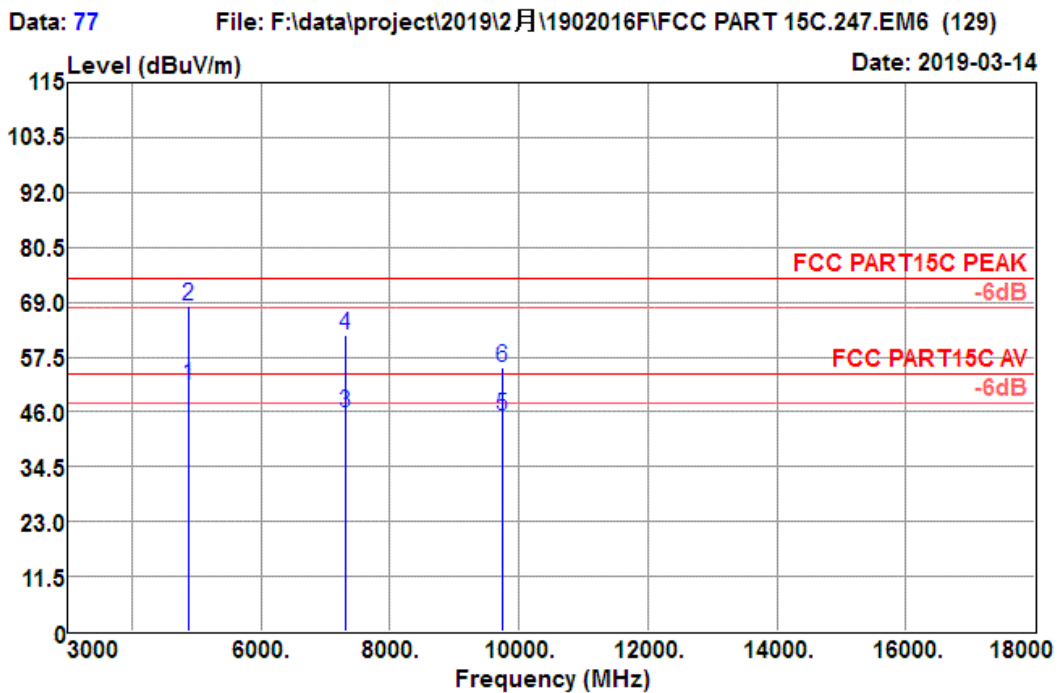


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2432.000	107.36	27.22	3.66	36.19	102.05	74.00	28.05	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT20 CH06(2437MHz)		

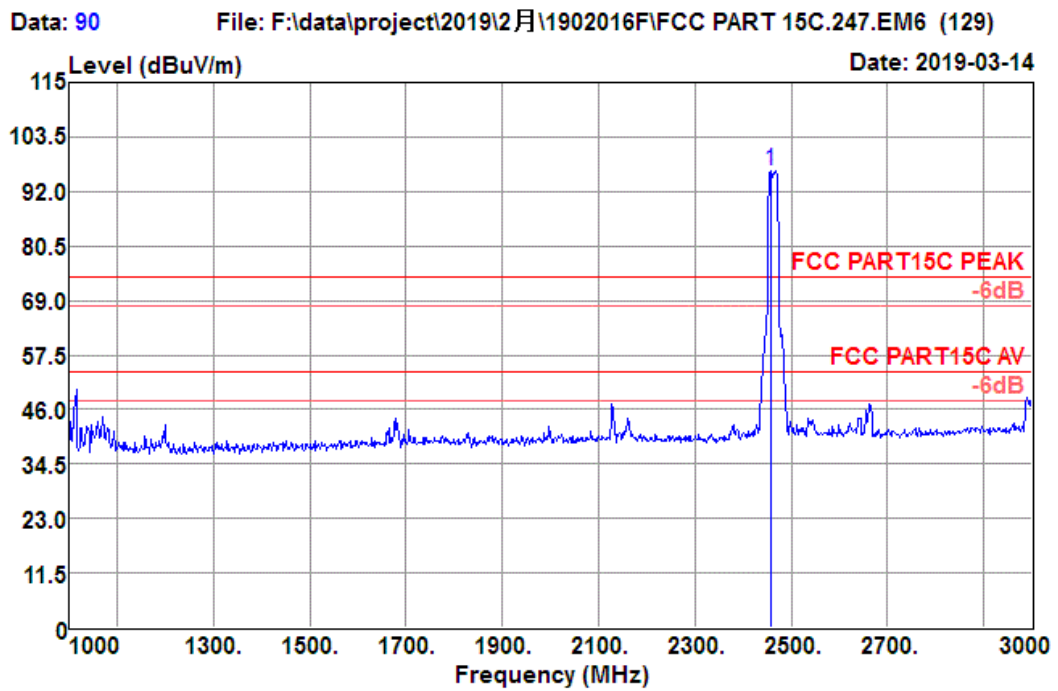


Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
-----			
Tested by	: Damon	Power rating:	AC120V/60Hz
-----			
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
-----			
Model No.	: XY/TA-R9820-K2		
-----			
Test Mode	: 802.11n HT20 CH06(2437MHz)		
-----			



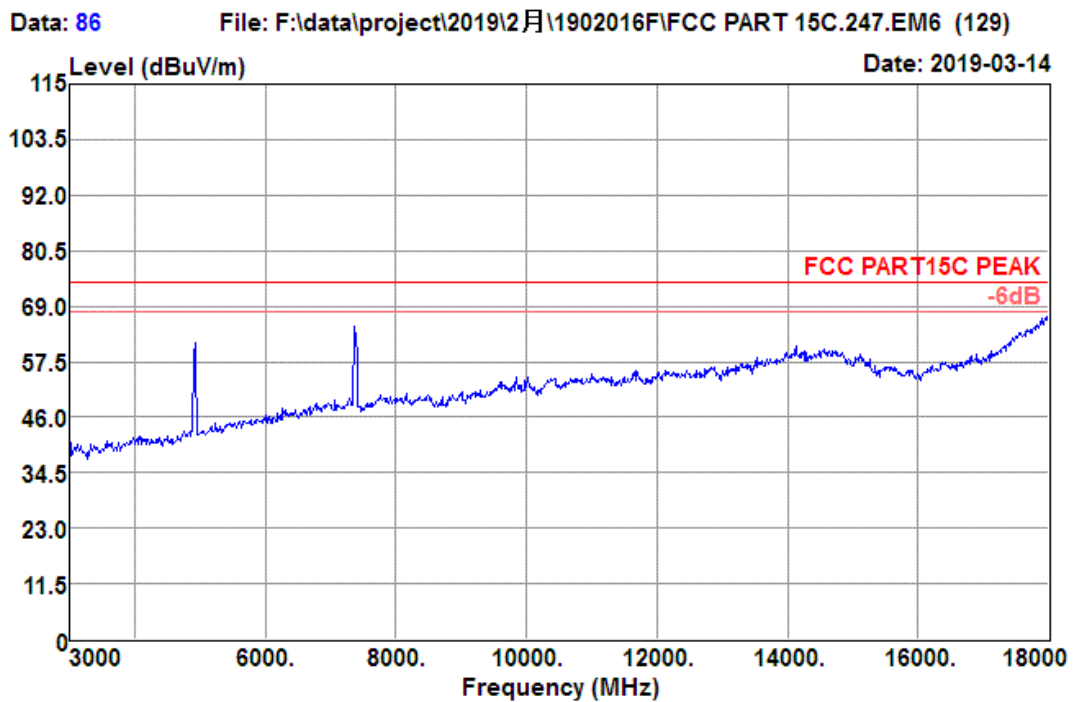
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4874.000	50.88	31.40	5.41	36.24	51.45	54.00	-2.55	Average
4874.000	67.77	31.40	5.41	36.24	68.34	74.00	-5.66	Peak
7311.000	36.75	36.12	7.24	34.35	45.76	54.00	-8.24	Average
7311.000	53.08	36.12	7.24	34.35	62.09	74.00	-11.91	Peak
9748.000	33.22	38.05	7.96	34.19	45.04	54.00	-8.96	Average
9748.000	43.66	38.05	7.96	34.19	55.48	74.00	-18.52	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60HZ
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT20 CH11(2462MHz)		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2458.000	101.68	27.29	3.67	36.26	96.38	74.00	22.38	Peak

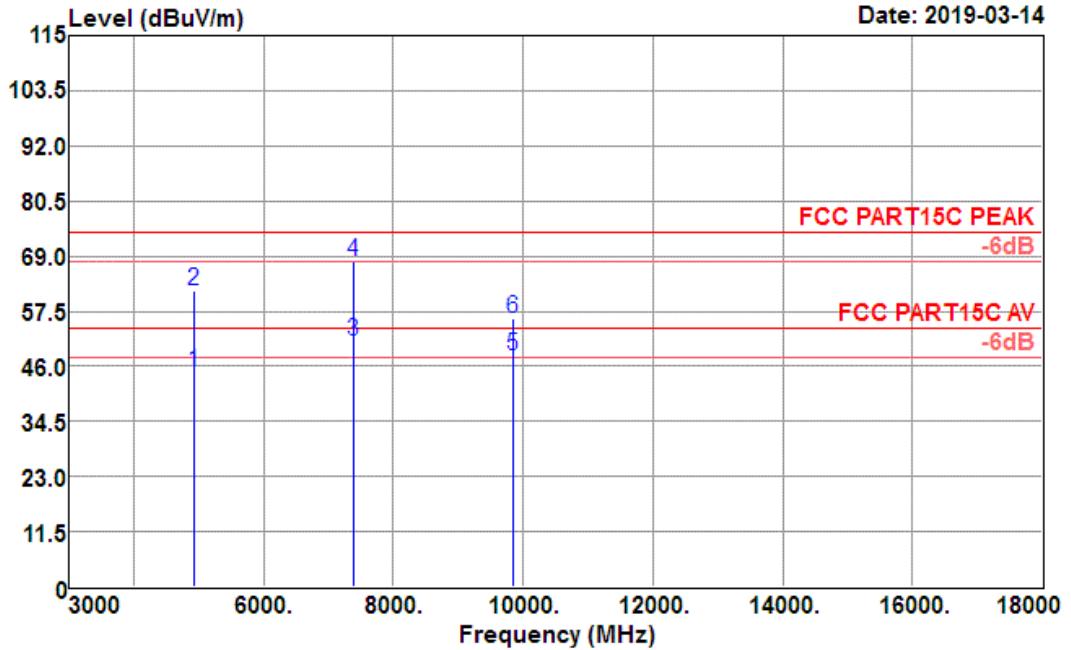
Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT20 CH11(2462MHz)		





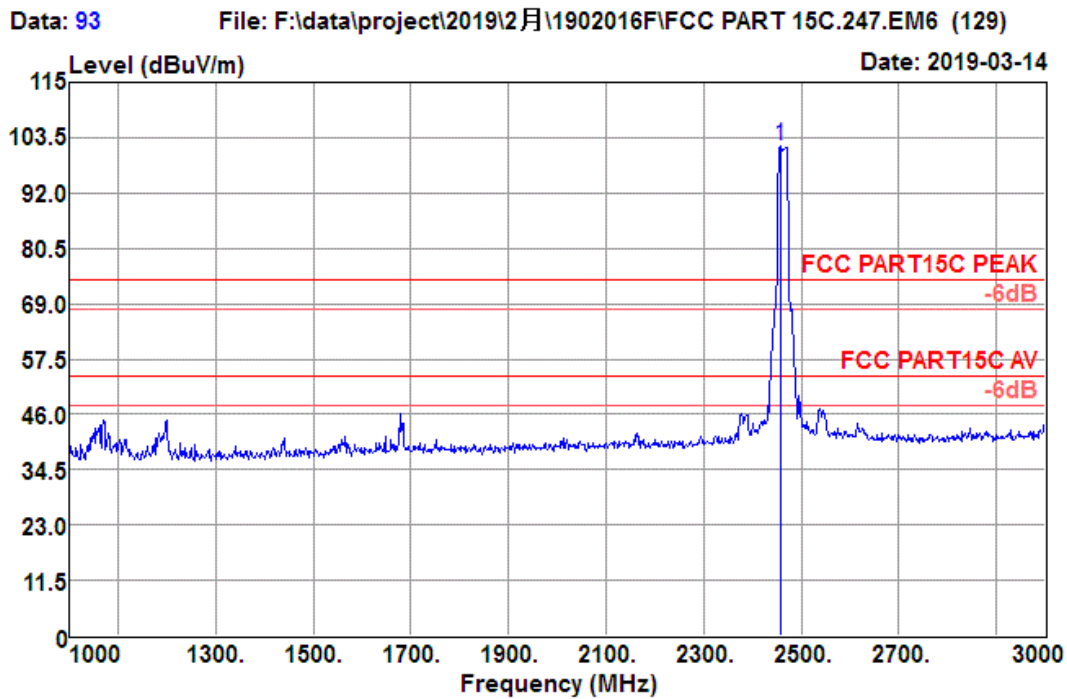
Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60Hz
-----		-----	
EUT	: Smart Camera	Pol/Phase	: VERTICAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----		-----	
Test Mode	: 802.11n HT20 CH11(2462MHz)		
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Data: 87 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-14



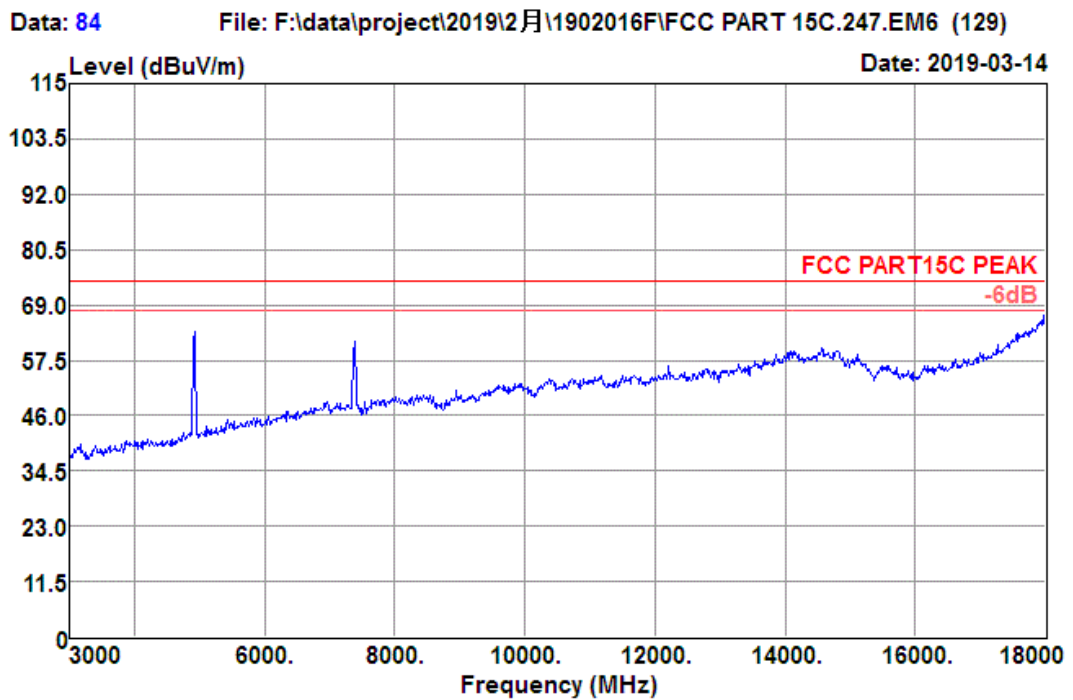
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4924.000	44.17	31.52	5.38	36.23	44.84	54.00	-9.16	Average
4924.000	61.13	31.52	5.38	36.23	61.80	74.00	-12.20	Peak
7386.000	41.86	36.29	7.46	34.42	51.19	54.00	-2.81	Average
7386.000	58.62	36.29	7.46	34.42	67.95	74.00	-6.05	Peak
9848.000	36.30	38.23	8.04	34.23	48.34	54.00	-5.66	Average
9848.000	44.10	38.23	8.04	34.23	56.14	74.00	-17.86	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60Hz
-----		-----	
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----		-----	
Test Mode	: 802.11n HT20 CH11(2462MHz)		
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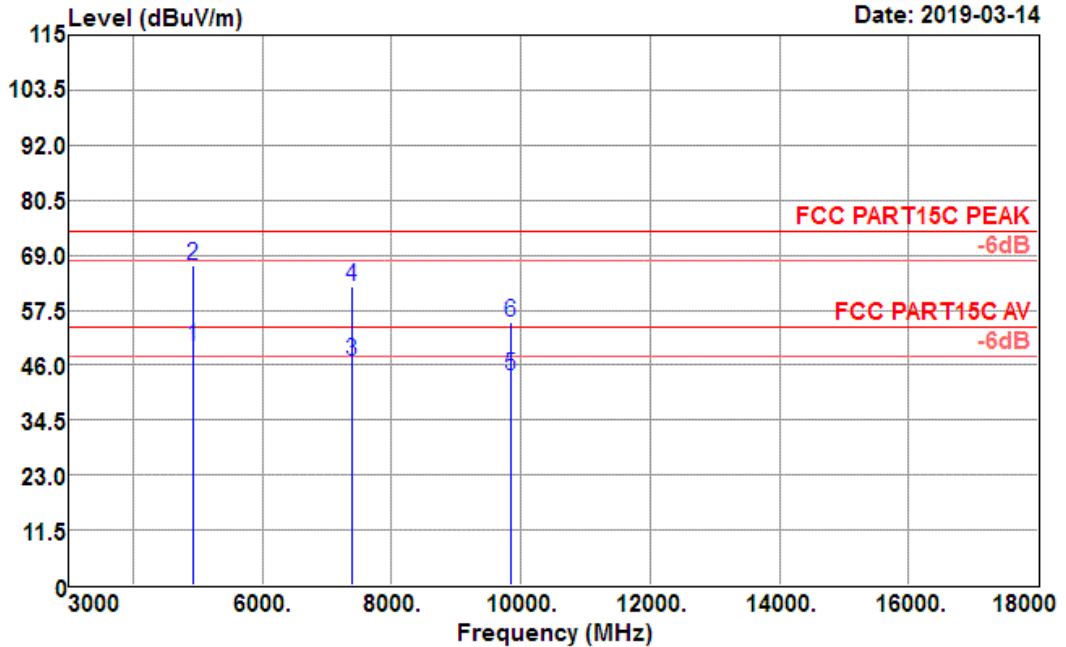
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2458.000	107.07	27.29	3.67	36.26	101.77	74.00	27.77	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT20 CH11(2462MHz)		



Test Site	: 3m Chamber	Temp/Humi	: 17°C/60%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60Hz
-----		-----	
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----			
Test Mode	: 802.11n HT20 CH11(2462MHz)		
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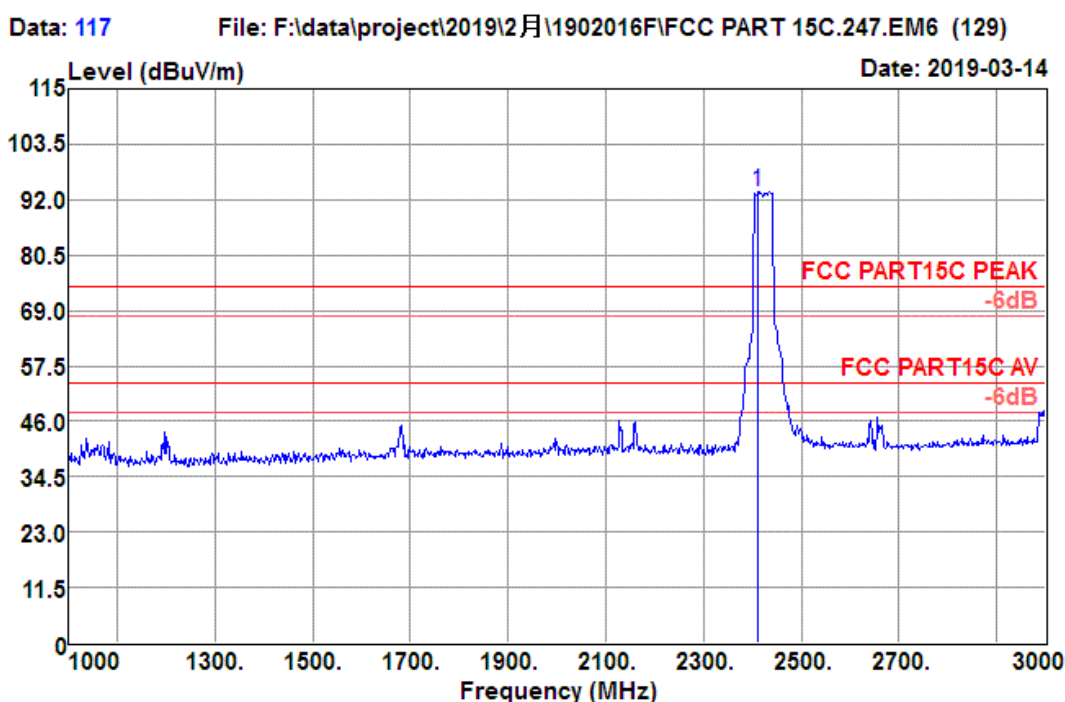
Data: 85 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-14



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4924.000	49.23	31.52	5.38	36.23	49.90	54.00	-4.10	Average
4924.000	66.32	31.52	5.38	36.23	66.99	74.00	-7.01	Peak
7386.000	37.42	36.29	7.46	34.42	46.75	54.00	-7.25	Average
7386.000	53.26	36.29	7.46	34.42	62.59	74.00	-11.41	Peak
9848.000	31.70	38.23	8.04	34.23	43.74	54.00	-10.26	Average
9848.000	43.00	38.23	8.04	34.23	55.04	74.00	-18.96	Peak

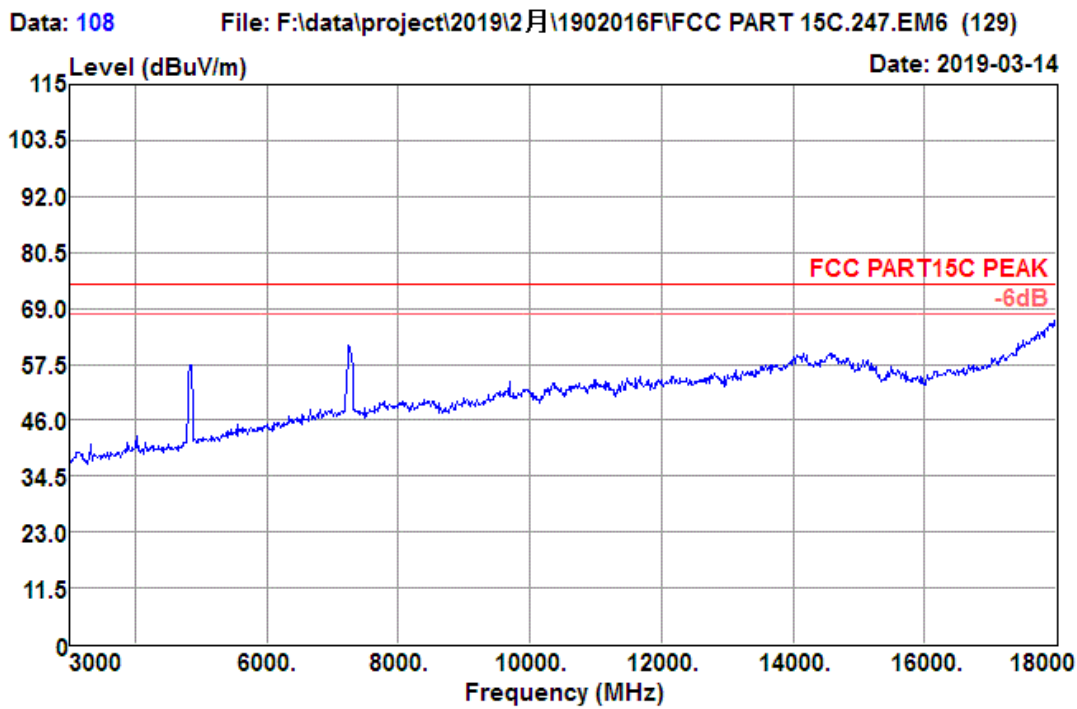
**802.11n40 mode**

Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT40 CH03(2422MHz)		



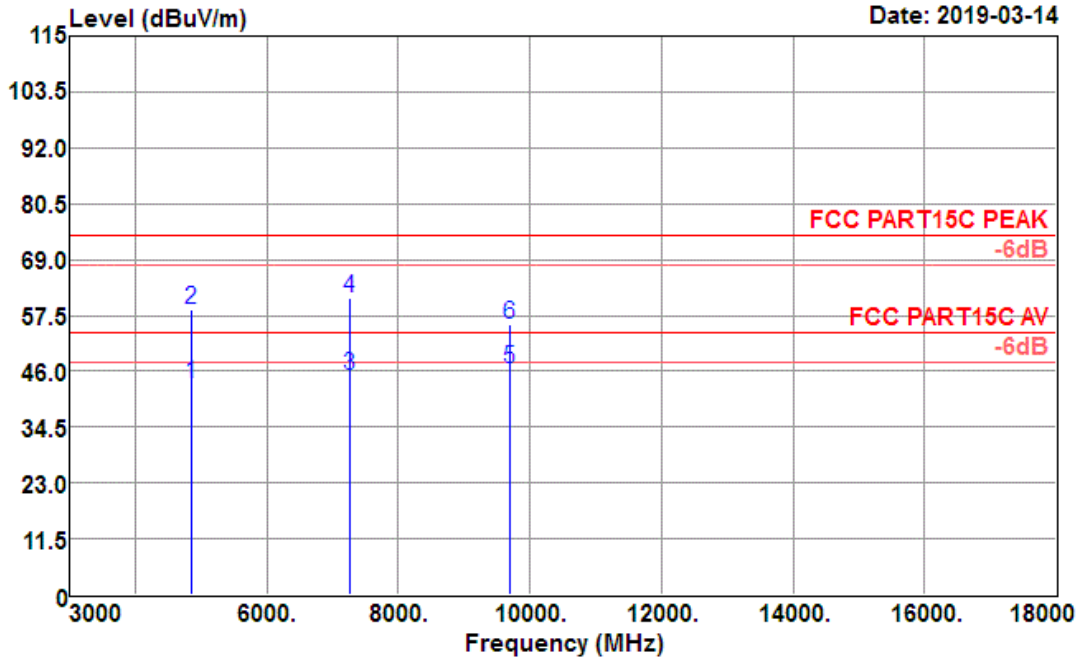
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2412.000	99.00	27.17	3.65	36.14	93.68	74.00	19.68	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT40 CH03(2422MHz)		



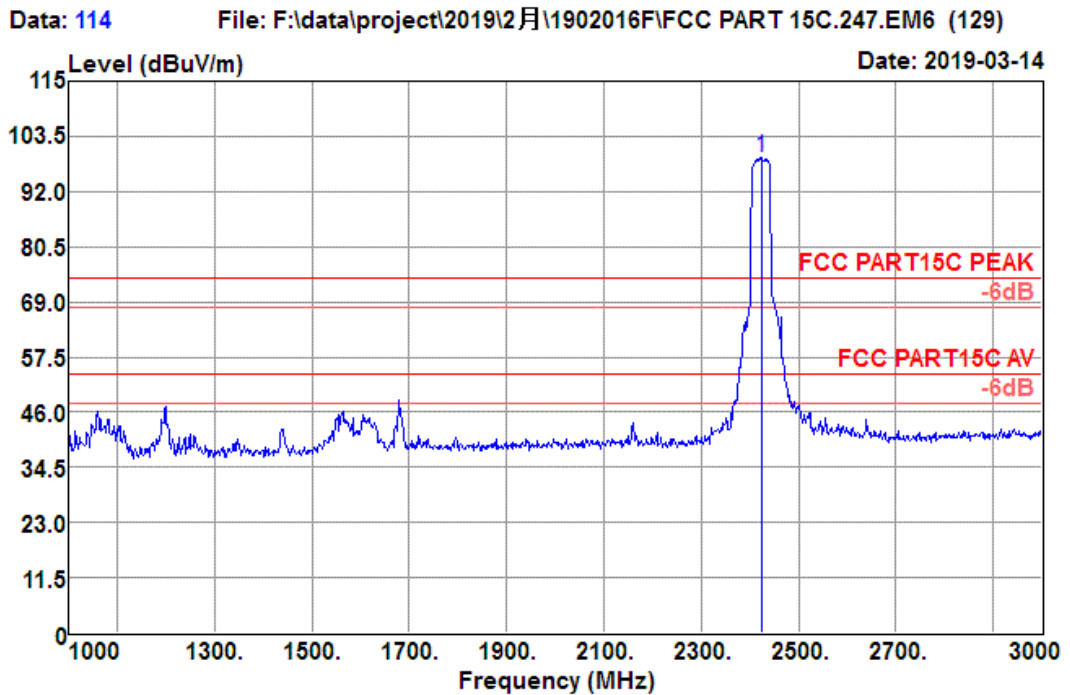
Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	: AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT40 CH03(2422MHz)		

Data: 109 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-14



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4844.000	42.79	31.33	5.43	36.25	43.30	54.00	-10.70	Average
4844.000	58.25	31.33	5.43	36.25	58.76	74.00	-15.24	Peak
7266.000	36.44	36.01	7.11	34.30	45.26	54.00	-8.74	Average
7266.000	52.34	36.01	7.11	34.30	61.16	74.00	-12.84	Peak
9688.000	34.69	37.94	7.88	34.16	46.35	54.00	-7.65	Average
9688.000	44.15	37.94	7.88	34.16	55.81	74.00	-18.19	Peak

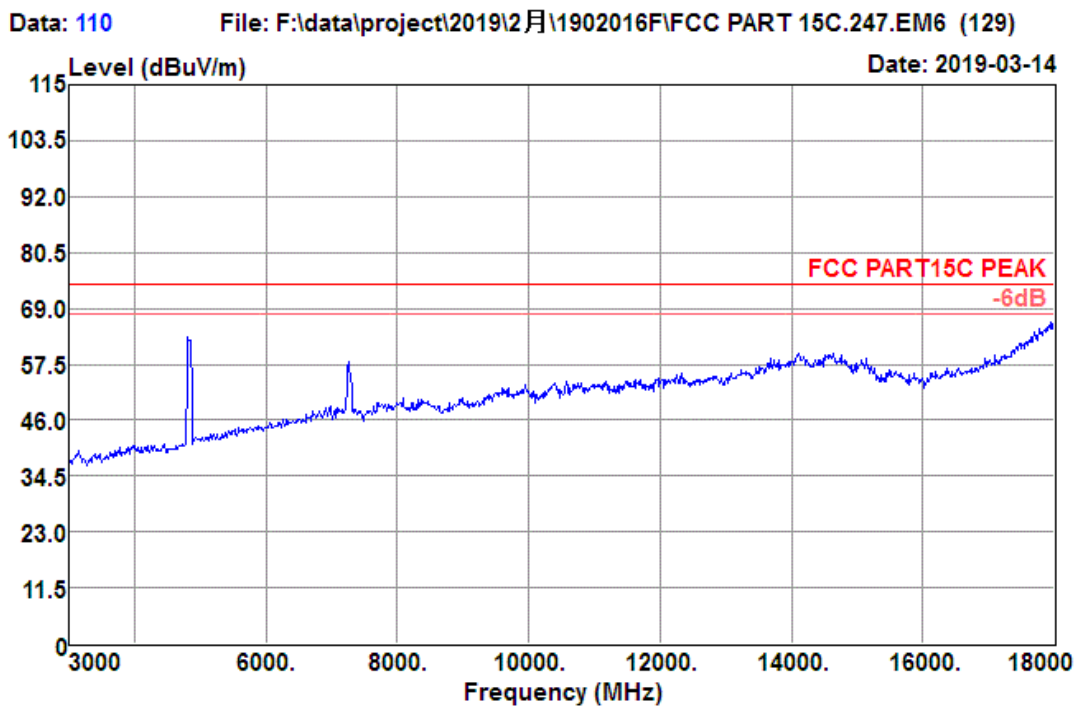
Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT40 CH03(2422MHz)		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2424.000	104.36	27.20	3.66	36.17	99.05	74.00	25.05	Peak

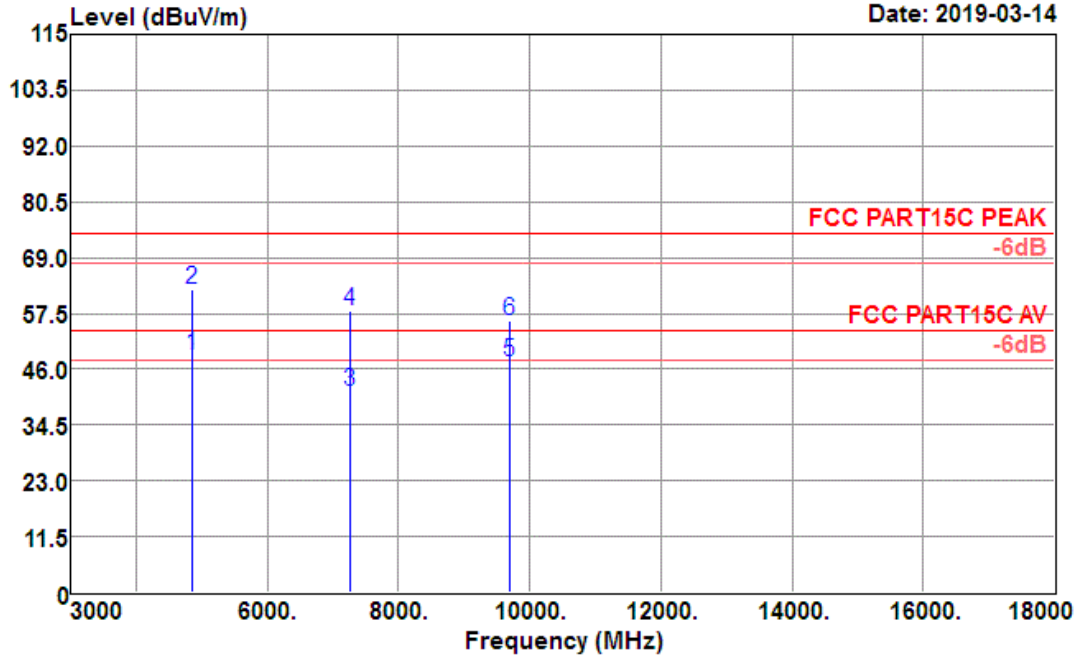


Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT40 CH03(2422MHz)		



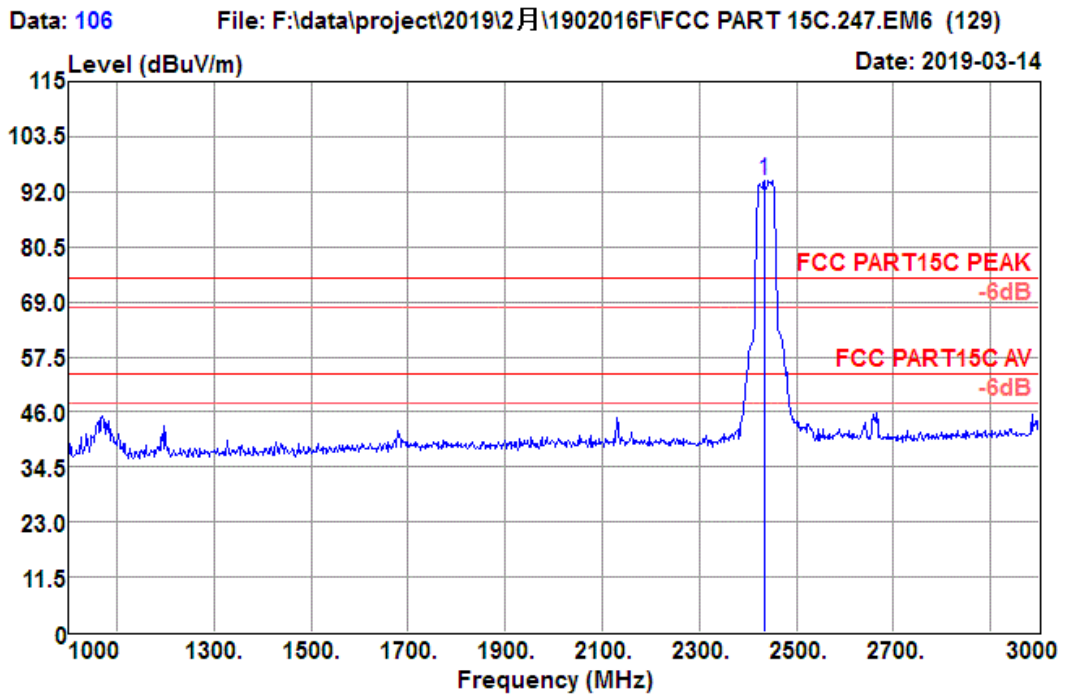
Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60Hz
-----		-----	
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----		-----	
Test Mode	: 802.11n HT40 CH03(2422MHz)		
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Data: 111      File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129)      Date: 2019-03-14



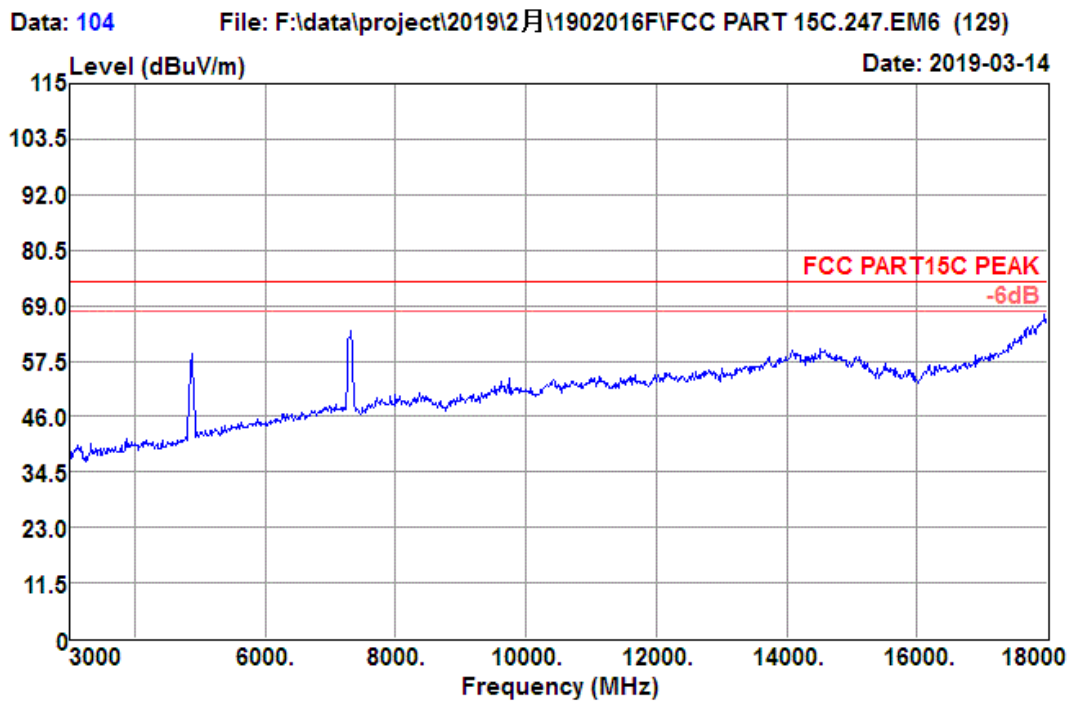
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4844.000	48.29	31.33	5.43	36.25	48.80	54.00	-5.20	Average
4844.000	61.81	31.33	5.43	36.25	62.32	74.00	-11.68	Peak
7266.000	32.46	36.01	7.11	34.30	41.28	54.00	-12.72	Average
7266.000	49.06	36.01	7.11	34.30	57.88	74.00	-16.12	Peak
9688.000	35.79	37.94	7.88	34.16	47.45	54.00	-6.55	Average
9688.000	44.27	37.94	7.88	34.16	55.93	74.00	-18.07	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT40 CH06(2437MHz)		

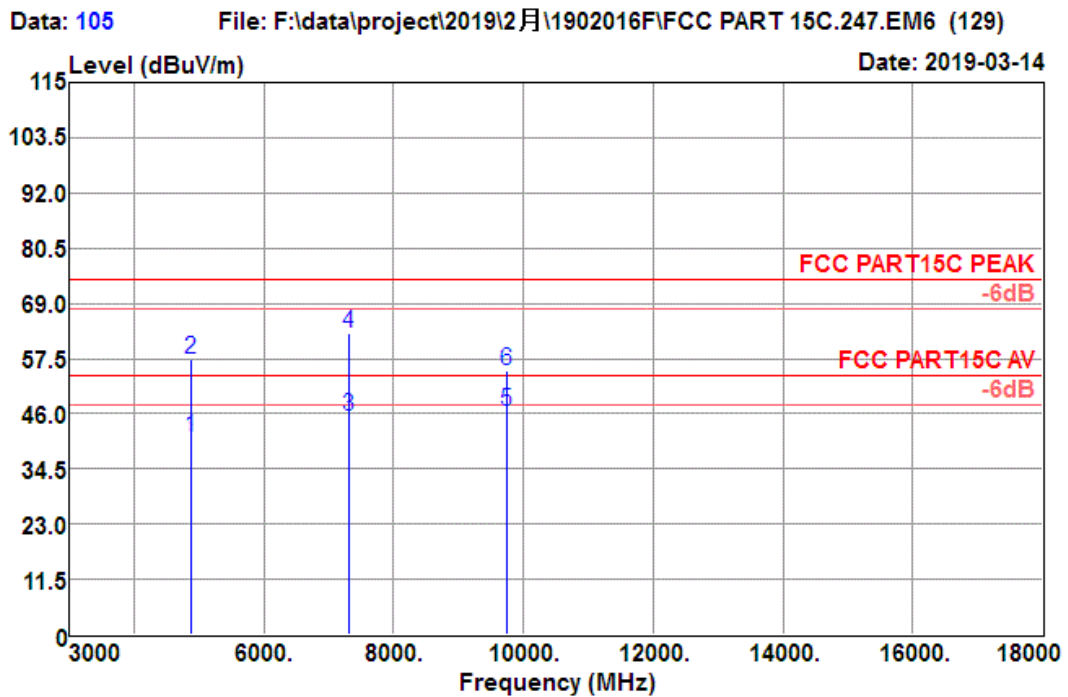


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2434.000	99.77	27.23	3.66	36.20	94.46	74.00	20.46	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT40 CH06(2437MHz)		

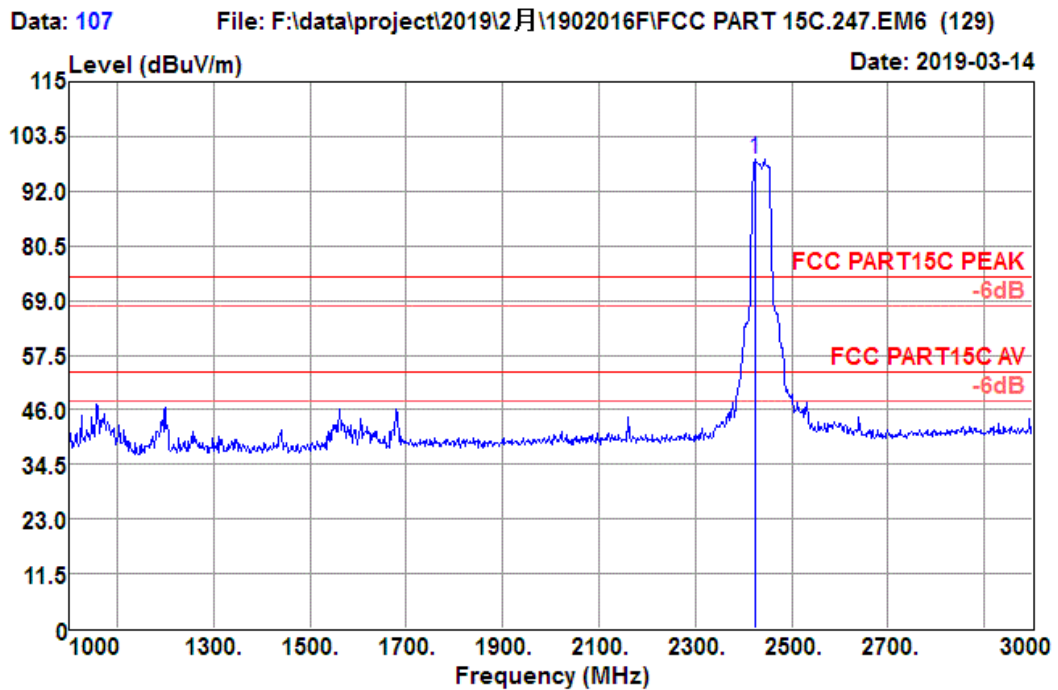


Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
-----		-----	
Tested by	: Damon	Power rating:	AC120V/60Hz
-----		-----	
EUT	: Smart Camera	Pol/Phase	: VERTICAL
-----		-----	
Model No.	: XY/TA-R9820-K2		
-----		-----	
Test Mode	: 802.11n HT40 CH06(2437MHz)		
-----		-----	



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4874.000	40.46	31.40	5.41	36.24	41.03	54.00	-12.97	Average
4874.000	56.77	31.40	5.41	36.24	57.34	74.00	-16.66	Peak
7311.000	36.61	36.12	7.24	34.35	45.62	54.00	-8.38	Average
7311.000	53.90	36.12	7.24	34.35	62.91	74.00	-11.09	Peak
9748.000	34.52	38.05	7.96	34.19	46.34	54.00	-7.66	Average
9748.000	43.24	38.05	7.96	34.19	55.06	74.00	-18.94	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT40 CH06(2437MHz)		

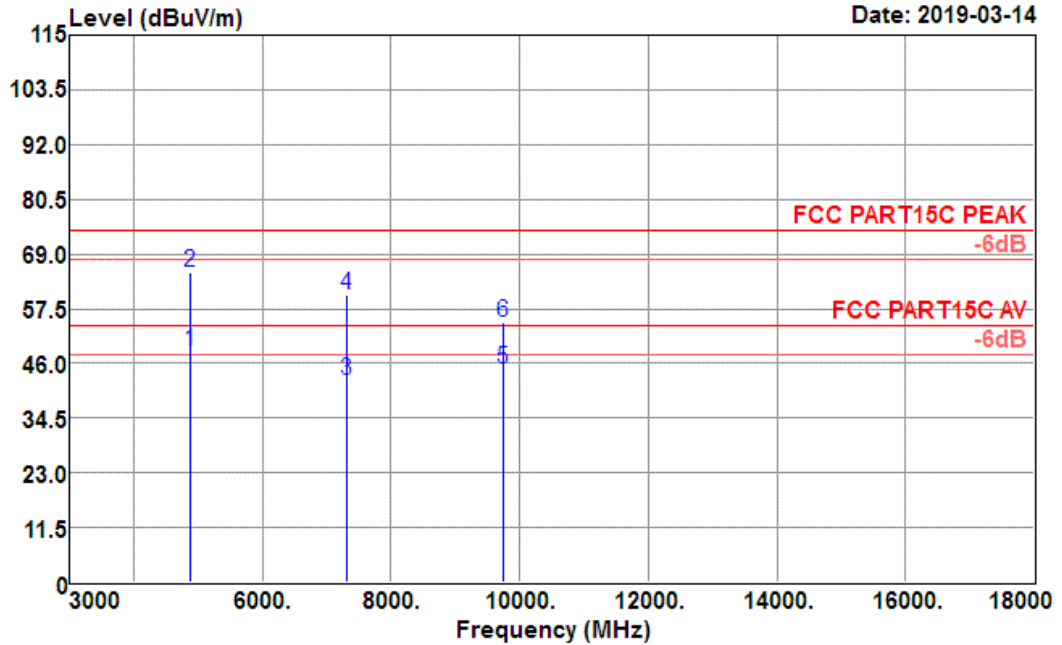


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2426.000	104.06	27.21	3.66	36.17	98.76	74.00	24.76	Peak

Test Site : 3m Chamber  
 -----  
 Tested by : Damon  
 -----  
 EUT : Smart Camera  
 -----  
 Model No. : XY/TA-R9820-K2  
 -----  
 Test Mode : 802.11n HT40 CH06(2437MHz)  
 -----

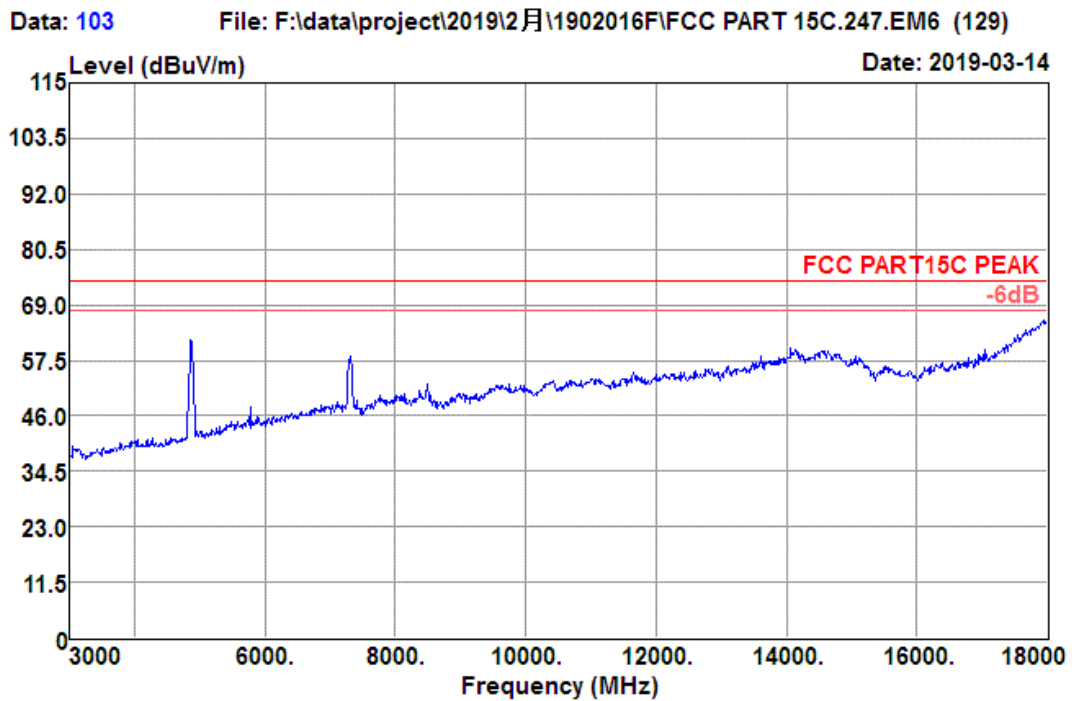
Temp/Humi : 17°C/61%  
 -----  
 Power rating: AC120V/60Hz  
 -----  
 Pol/Phase : HORIZONTAL  
 -----

Data: 102 File: F:\data\project\2019\2月\1902016FIFCC PART 15C.247.EM6 (129) Date: 2019-03-14



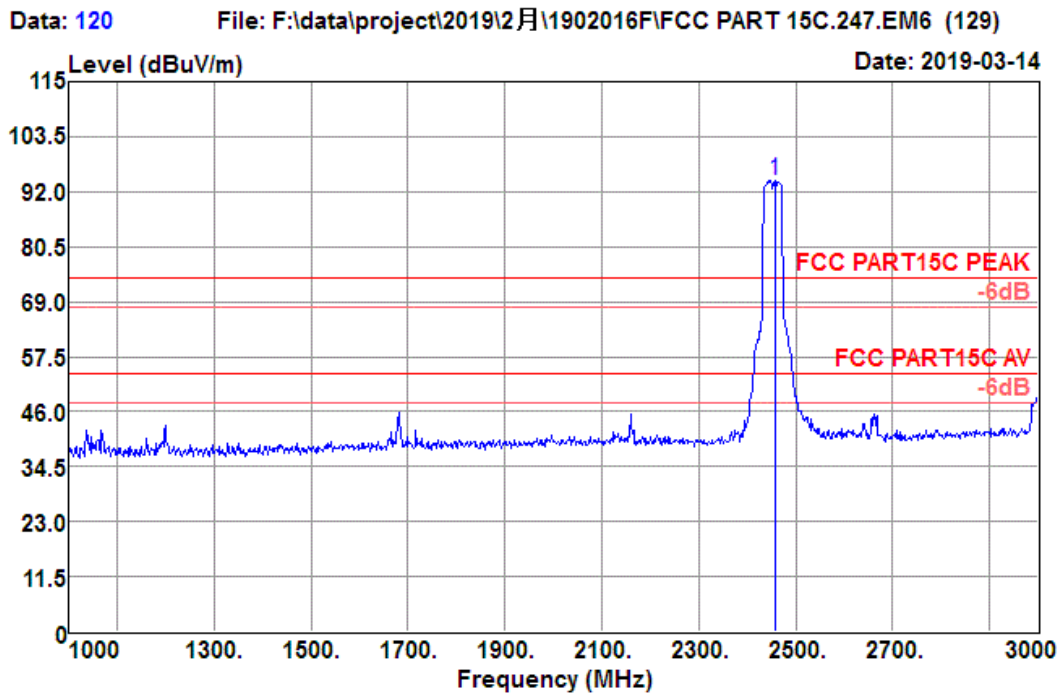
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4874.000	48.04	31.40	5.41	36.24	48.61	54.00	-5.39	Average
4874.000	64.69	31.40	5.41	36.24	65.26	74.00	-8.74	Peak
7311.000	33.49	36.12	7.24	34.35	42.50	54.00	-11.50	Average
7311.000	51.47	36.12	7.24	34.35	60.48	74.00	-13.52	Peak
9748.000	33.07	38.05	7.96	34.19	44.89	54.00	-9.11	Average
9748.000	42.88	38.05	7.96	34.19	54.70	74.00	-19.30	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT40 CH06(2437MHz)		





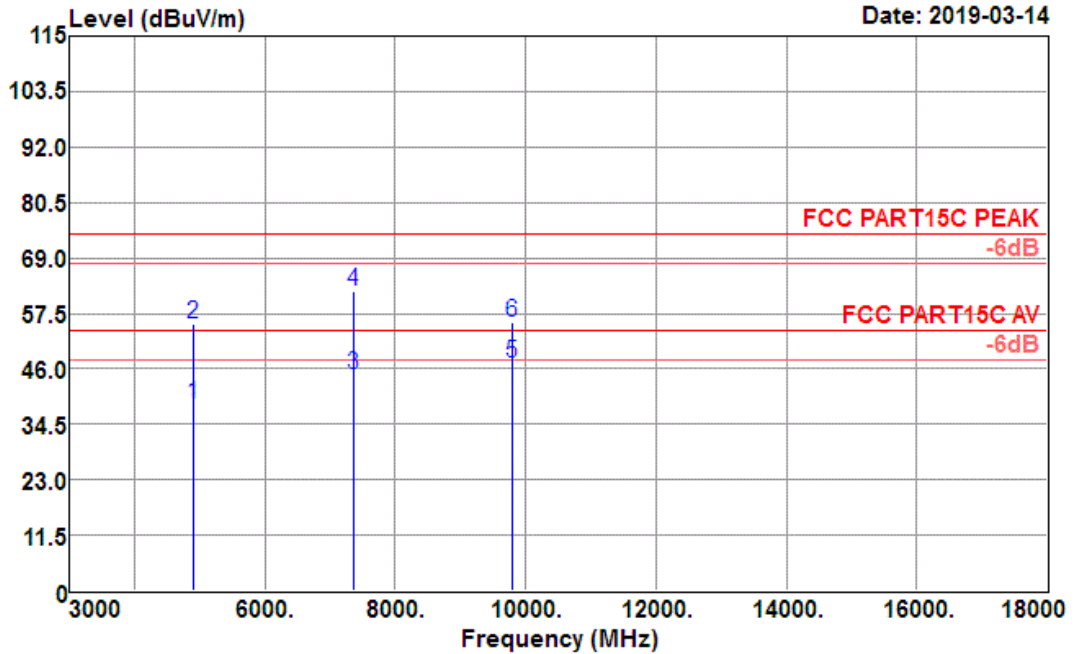
Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT40 CH09(2452MHz)		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2458.000	99.74	27.29	3.67	36.26	94.44	74.00	20.44	Peak

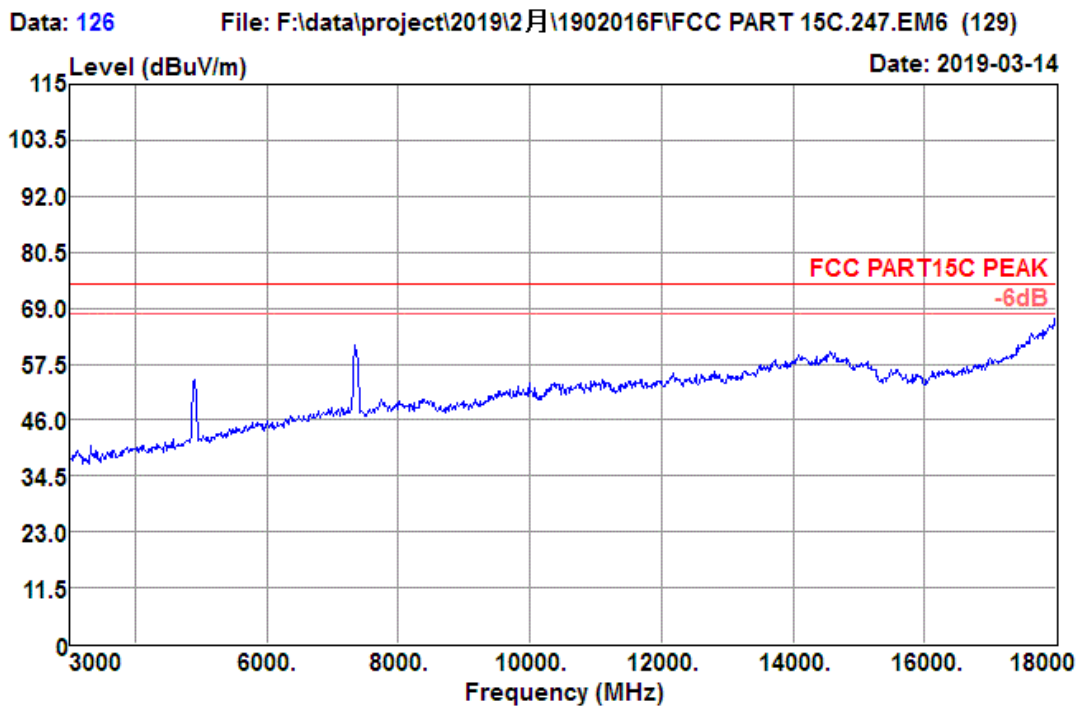
Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
-----			
Tested by	: Damon	Power rating:	AC120V/60Hz
-----			
EUT	: Smart Camera	Pol/Phase	: VERTICAL
-----			
Model No.	: XY/TA-R9820-K2		
-----			
Test Mode	: 802.11n HT40 CH09(2452MHz)		
-----			

Data: 127 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-14



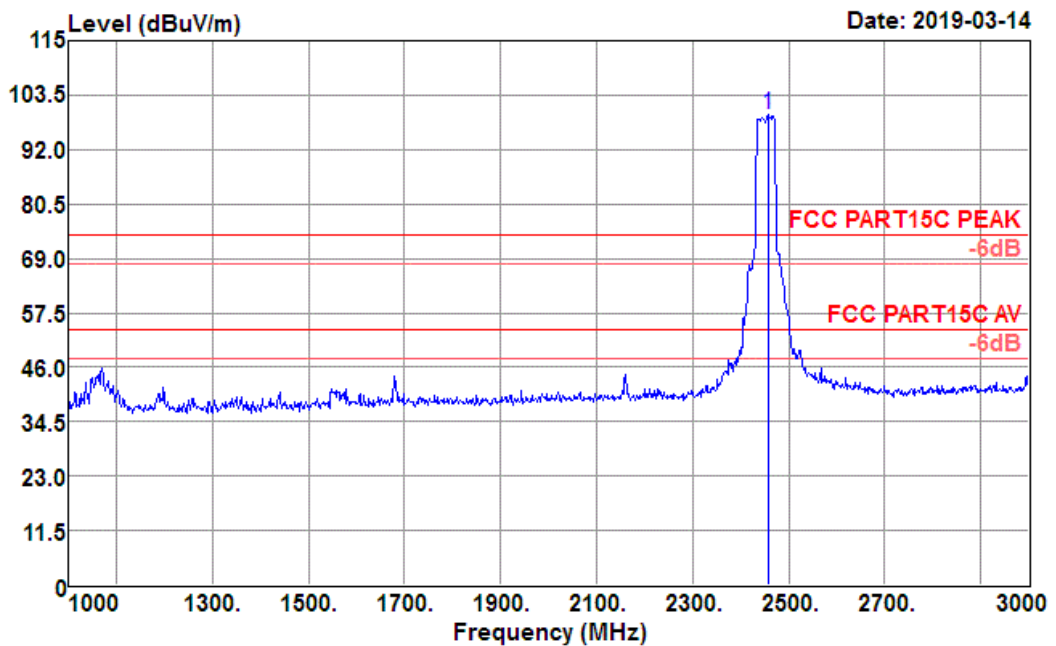
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4904.000	38.20	31.47	5.39	36.23	38.83	54.00	-15.17	Average
4904.000	54.81	31.47	5.39	36.23	55.44	74.00	-18.56	Peak
7356.000	35.60	36.22	7.37	34.39	44.80	54.00	-9.20	Average
7356.000	52.81	36.22	7.37	34.39	62.01	74.00	-11.99	Peak
9808.000	35.15	38.15	8.03	34.22	47.11	54.00	-6.89	Average
9808.000	43.74	38.15	8.03	34.22	55.70	74.00	-18.30	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT40 CH09(2452MHz)		



Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT40 CH09(2452MHz)		

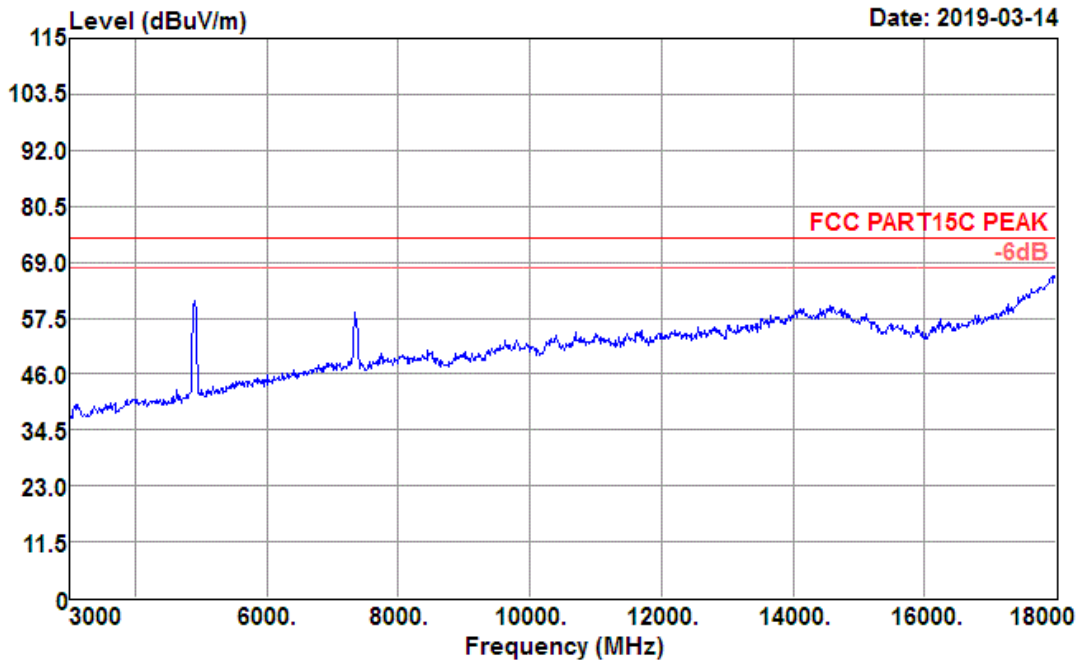
Data: 123 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129)



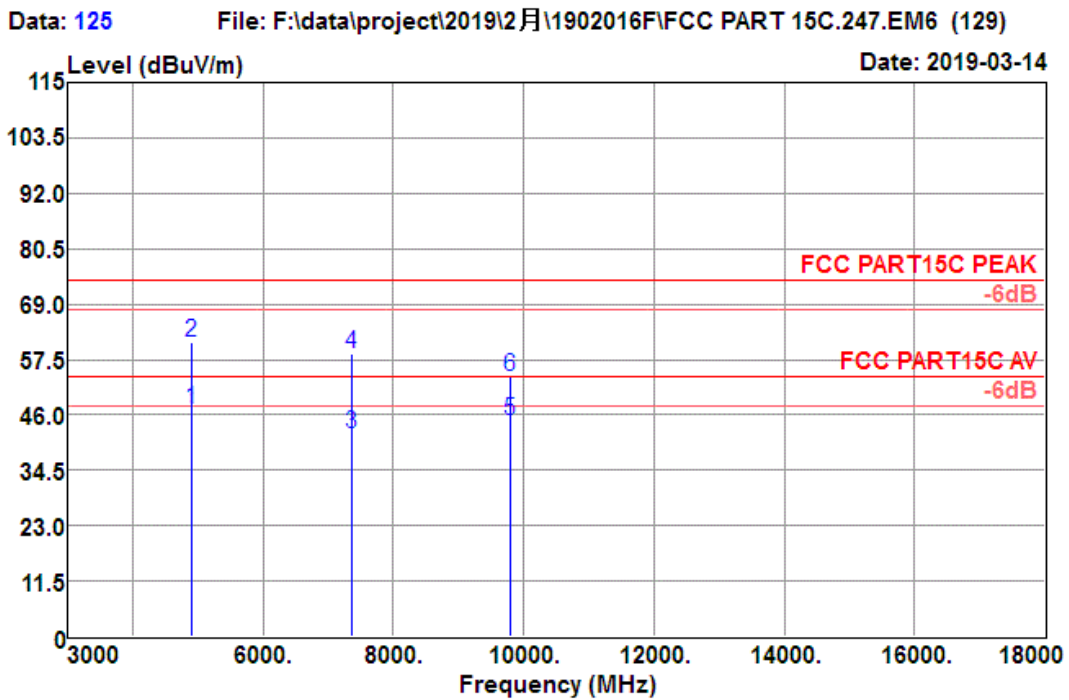
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2458.000	104.55	27.29	3.67	36.26	99.25	74.00	25.25	Peak

Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT40 CH09(2452MHz)		

Data: 124 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129)



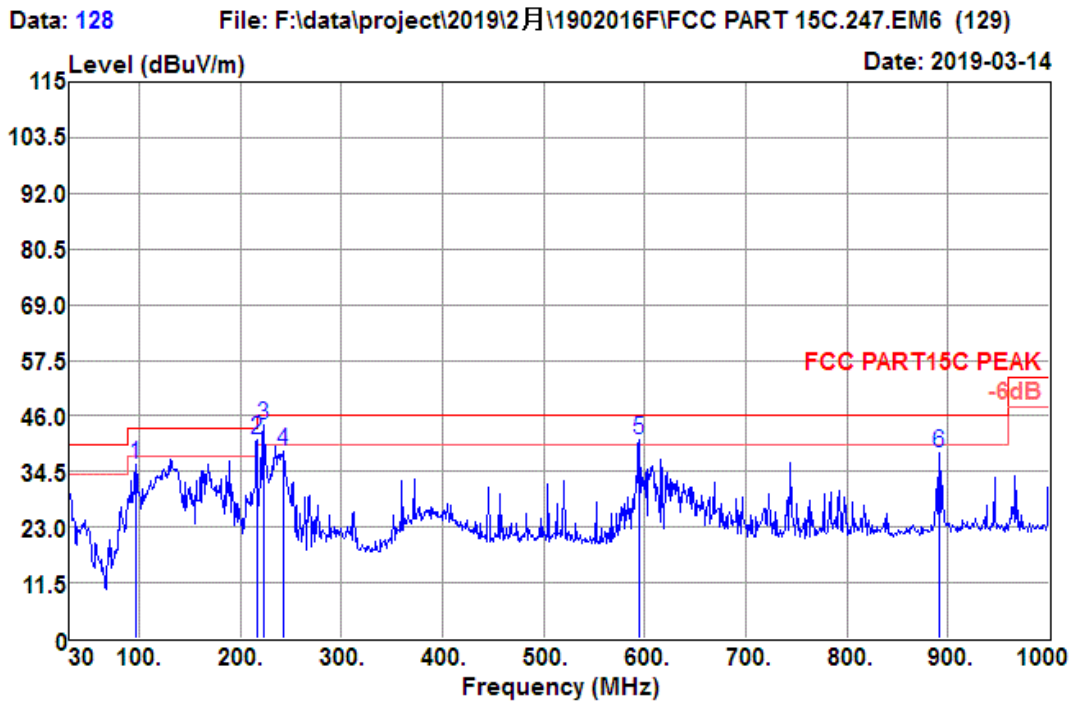
Test Site	: 3m Chamber	Temp/Humi	: 17°C/61%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11n HT40 CH09(2452MHz)		



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4904.000	46.66	31.47	5.39	36.23	47.29	54.00	-6.71	Average
4904.000	60.43	31.47	5.39	36.23	61.06	74.00	-12.94	Peak
7356.000	33.00	36.22	7.37	34.39	42.20	54.00	-11.80	Average
7356.000	49.45	36.22	7.37	34.39	58.65	74.00	-15.35	Peak
9808.000	32.80	38.15	8.03	34.22	44.76	54.00	-9.24	Average
9808.000	42.06	38.15	8.03	34.22	54.02	74.00	-19.98	Peak

#### 4.5.6 Test Result of Radiated Spurious Emission (30MHz ~ 1GHz)

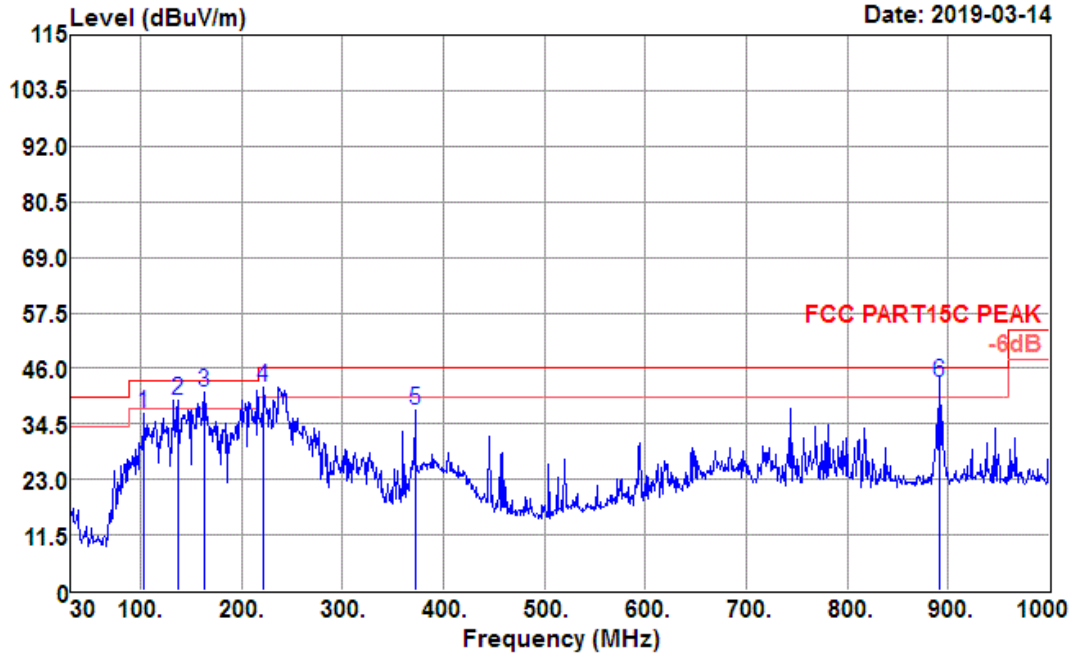
Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: VERTICAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH11(2462MHz)		



Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV	Limit level dBUV/m	Over limit dB	Remark
95.960	56.63	9.92	1.91	32.45	36.01	43.50	-7.49	QP
216.240	60.37	10.39	2.91	32.54	41.13	46.00	-4.87	QP
223.030	62.97	10.59	2.94	32.54	43.96	46.00	-2.04	QP
242.430	57.02	11.17	3.11	32.54	38.76	46.00	-7.24	QP
594.540	50.27	18.30	5.01	32.68	40.90	46.00	-5.10	QP
891.360	42.44	21.62	6.38	32.14	38.30	46.00	-7.70	QP

Test Site	: 3m Chamber	Temp/Humi	: 19°C/62%
Tested by	: Damon	Power rating:	AC120V/60Hz
EUT	: Smart Camera	Pol/Phase	: HORIZONTAL
Model No.	: XY/TA-R9820-K2		
Test Mode	: 802.11b CH11(2462MHz)		

Data: 129 File: F:\data\project\2019\2月\1902016F\FCC PART 15C.247.EM6 (129) Date: 2019-03-14



Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV	Limit level dBUV/m	Over limit dB	Remark
103.720	56.53	10.57	1.99	32.45	36.64	43.50	-6.86	QP
136.700	56.40	13.27	2.29	32.49	39.47	43.50	-4.03	QP
162.890	57.03	13.91	2.50	32.52	40.92	43.50	-2.58	QP
222.060	61.16	10.56	2.93	32.54	42.11	46.00	-3.89	QP
371.440	51.61	14.26	3.88	32.48	37.27	46.00	-8.73	QP
891.360	47.39	21.62	6.38	32.14	43.25	46.00	-2.75	QP



## 4.6 AC Conducted Emission Measurement

### 4.6.1 Limit of AC Conducted Emission

FCC §15.207

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dB $\mu$ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

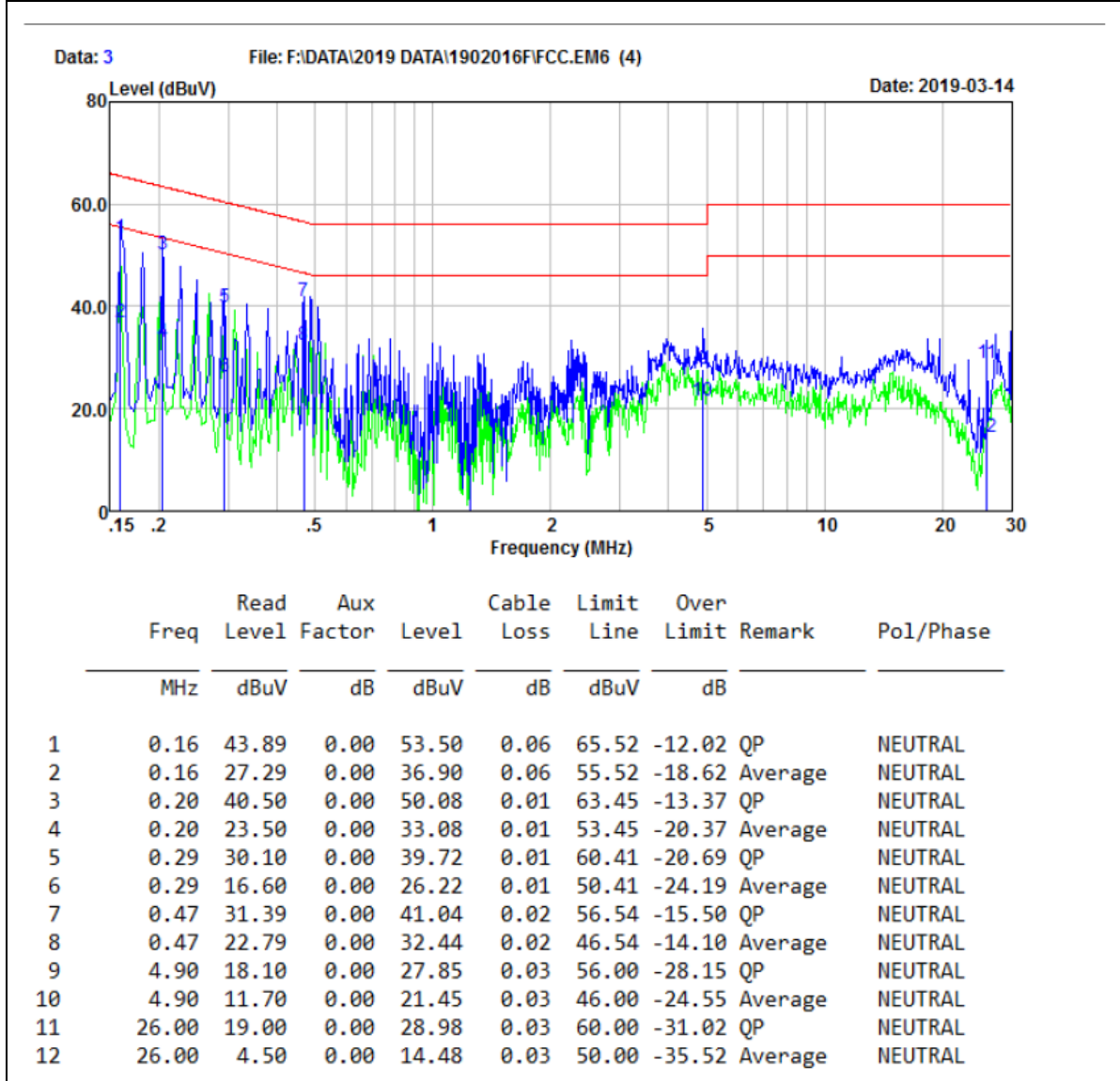
\*Decreases with the logarithm of the frequency.

### 4.6.2 Test Procedures

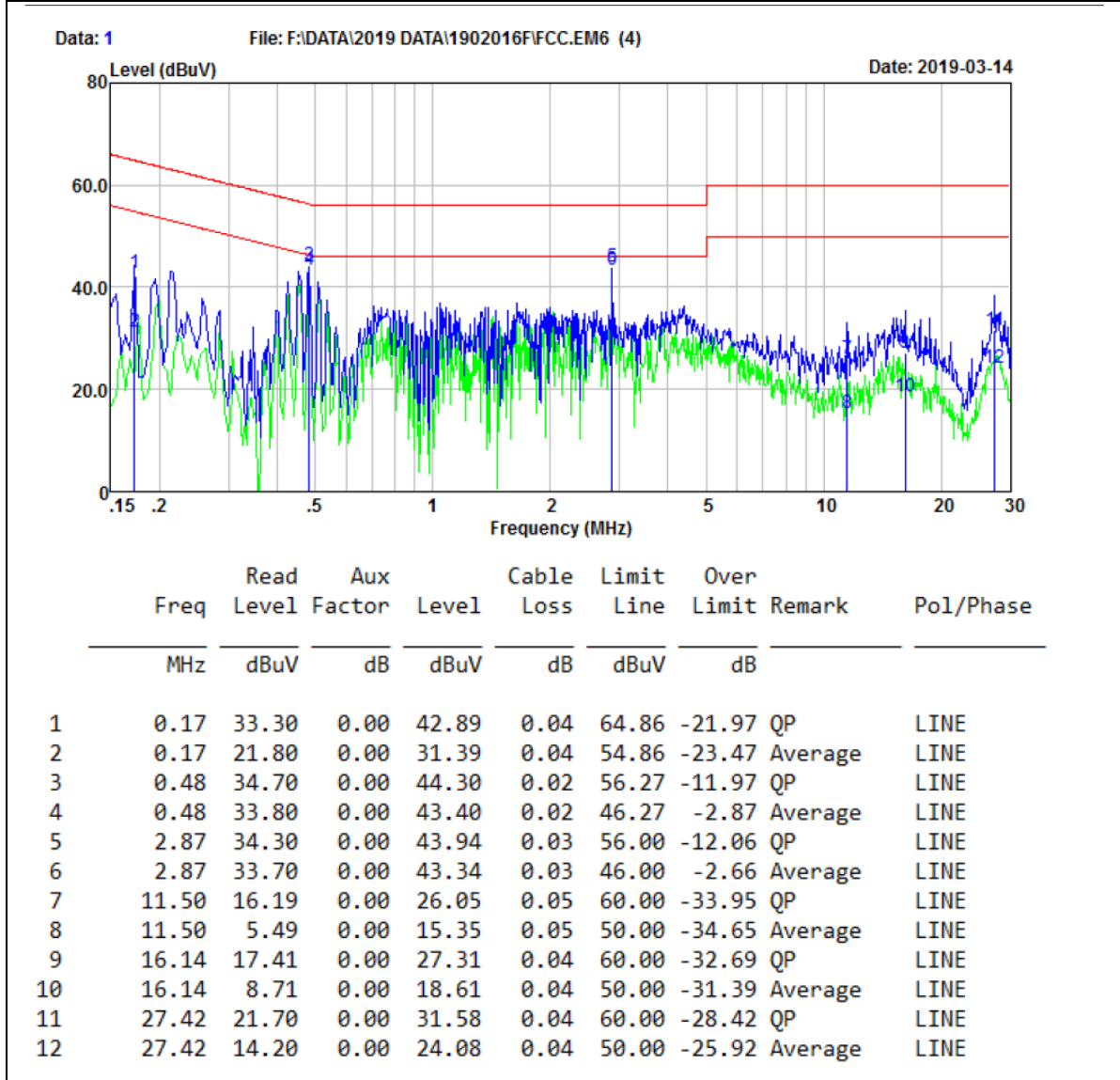
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

### 4.6.3 Test Result of AC Conducted Emission

<b>Test Mode :</b>	Mode 1	<b>Temperature :</b>	21~23°C
<b>Test Engineer :</b>	Tiny Yang	<b>Relative Humidity :</b>	41~43%
<b>Test Voltage :</b>	120Vac / 60Hz	<b>Phase :</b>	Neutral
<b>Function Type :</b>	Camera Record+WLAN Link+TF Card+USB Cable(Charging from Adapter)		



<b>Test Mode :</b>	Mode 1	<b>Temperature :</b>	21~23℃
<b>Test Engineer :</b>	Tiny Yang	<b>Relative Humidity :</b>	41~43%
<b>Test Voltage :</b>	120Vac / 60Hz	<b>Phase :</b>	Line
<b>Function Type :</b>	Camera Record+WLAN Link+TF Card+USB Cable(Charging from Adapter)		



## 4.7 Antenna Requirements

### 4.7.1 Standard Applicable

According to antenna requirement of §15.203.

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be re-placed by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded..

And according to §15.247(4)(1), system operating in the 2400-2483.5MHz bands that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

### 4.7.2 Antenna Connected Construction

An embedded-in antenna design is used.

### 4.7.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

## 5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Due Date	Remark
Spectrum Analyzer	Keysight	N9010A	MY56070788	2019-01-23	2020-01-22	Conducted
Power Sensor	Keysight	U2021XA	MY56510025	2019-01-23	2020-01-22	Conducted
Power Sensor	Keysight	U2021XA	MY57030005	2019-01-23	2020-01-22	Conducted
Power Sensor	Keysight	U2021XA	MY56510018	2019-01-23	2020-01-22	Conducted
Power Sensor	Keysight	U2021XA	MY56480002	2019-01-23	2020-01-22	Conducted
Thermal Chamber	Sanmtest	SMC-408-CD	2435	2018-07-05	2019-07-04	Conducted
Base Station	R&S	CMW 270	101231	2019-01-23	2020-01-22	Conducted
Signal Generator (Interferer)	Keysight	N5182B	MY56200384	2018-04-10	2019-04-09	Conducted
Signal Generator (Blocker)	Keysight	N5171B	MY56200661	2019-01-23	2020-01-22	Conducted

Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV 40	101433	2019-02-18	2020-02-17	Radiation
Amplifier	Sonoma	310	363917	2019-01-22	2020-01-21	Radiation
Amplifier	Schwarzbeck	BBV 9718	327	2019-01-22	2020-01-21	Radiation
Amplifier	Narda	TTA1840-35-HG	2034380	2018-07-18	2019-07-17	Radiation
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-051	2017/3/3	2020-03-02	Radiation
Broadband Antenna	Schwarzbeck	VULB 9168	9168-757	2017-03-03	2020-03-02	Radiation
Horn Antenna	Schwarzbeck	BBHA 9120 D	1677	2017-03-03	2020-03-02	Radiation
Horn Antenna	COM-POWER	AH-1840	101117	2018-06-20	2021-06-19	Radiation
Test Software	Auidx	E3	6.111221a	N/A	N/A	Radiation
Filter	Micro-Tronics	BRM 50702	G266	N/A	N/A	Radiation

N/A: No Calibration Required

## 6 Uncertainty of Evaluation

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	9kHz~30MHz	2.67dB
Radiated emissions	30MHz ~ 1GMHz	5.05dB
	1GHz ~ 18GHz	5.06 dB
	18GHz ~ 40GHz	3.65dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$ .