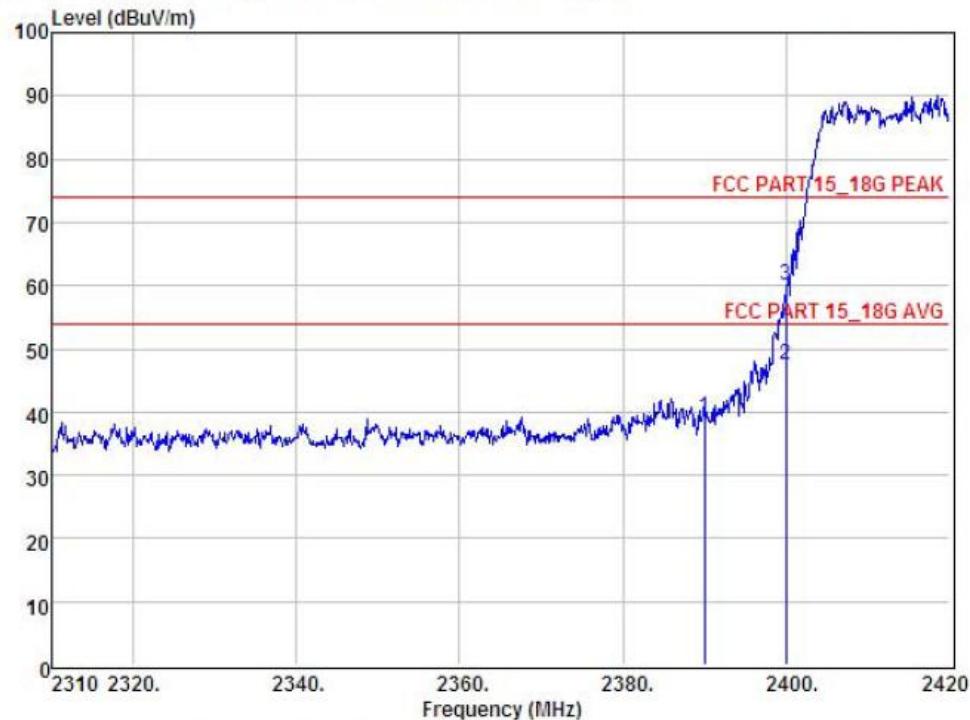




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 2F, Building B, East Area of Nanchang Second Industrial Zone,  
 Gushu 2nd Road, Bao'an District, Shenzhen 518126, P.R. China  
 Tel: 4006786199 FAX: +86-755-26736857  
 Website: <http://www.cessz.com> Email: [Service@cessz.com](mailto:Service@cessz.com)

Data: 6 File: D:\REPORT DATA\IMOTIC\0912.EM6 (32)



Condition : FCC PART 15\_18G PEAK 3m POL: VERTICAL

EUT :

Model No :

Test Mode : IEEE.802.11g CH Low: 2412

Power :

Test Engineer :

Remark :

Temp : 24.2°C

Hum : 54%

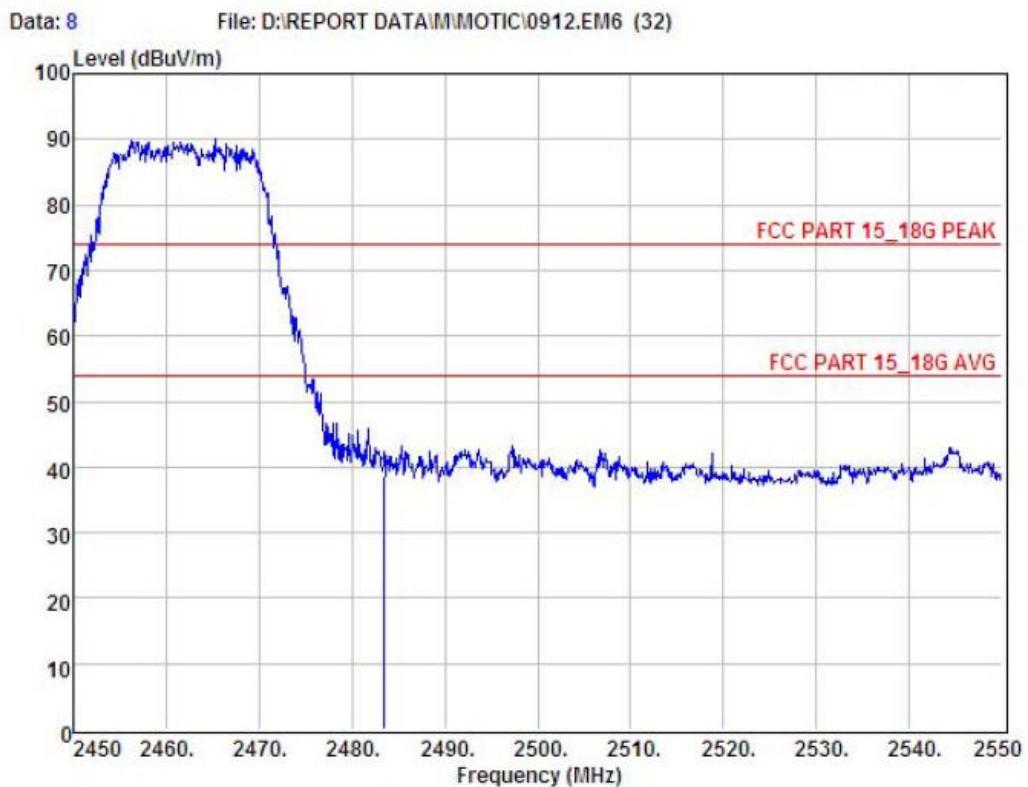
Item	Freq	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Level	Limit	Margin	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dBuV	
1	2390.00	42.48	27.62	34.97	3.92	39.05	74.00	-34.95	Peak
2	2400.00	50.83	27.62	34.97	3.94	47.42	54.00	-6.58	Average
3	2400.00	63.45	27.62	34.97	3.94	60.04	74.00	-13.96	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

CH High :



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Condition : FCC PART 15\_18G PEAK 3m POL: HORIZONTAL

EUT :

Model No :

Test Mode : IEEE.802.11g CH High: 2462

Power :

Test Engineer :

Remark :

Temp : 24.2°C

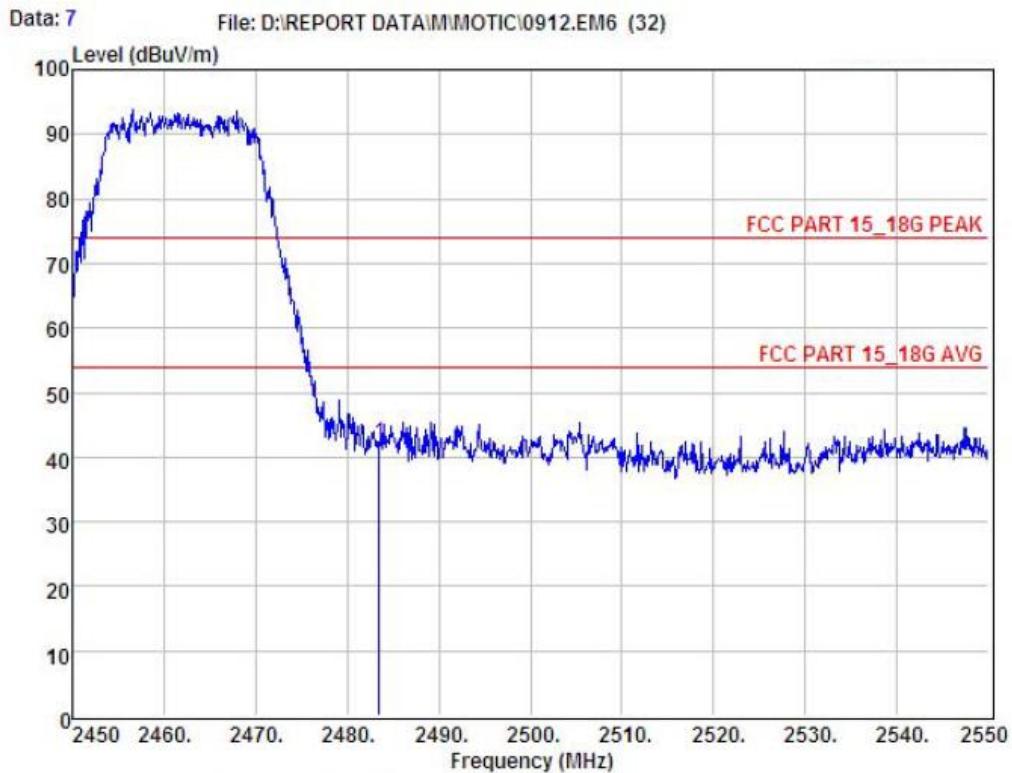
Hum : 54%

Item	Freq	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Level	Limit	Margin	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dBuV	
1	2483.50	42.02	27.59	34.97	4.00	38.64	74.00	-35.36	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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 Website: <http://www.cessz.com> Email: [Service@cessz.com](mailto:Service@cessz.com)



Condition : FCC PART 15\_18G PEAK 3m POL: VERTICAL

EUT :

Model No :

Test Mode : IEEE.802.g CH High: 2462

Power :

Test Engineer :

Remark :

Temp : 24.2°C

Hum : 54%

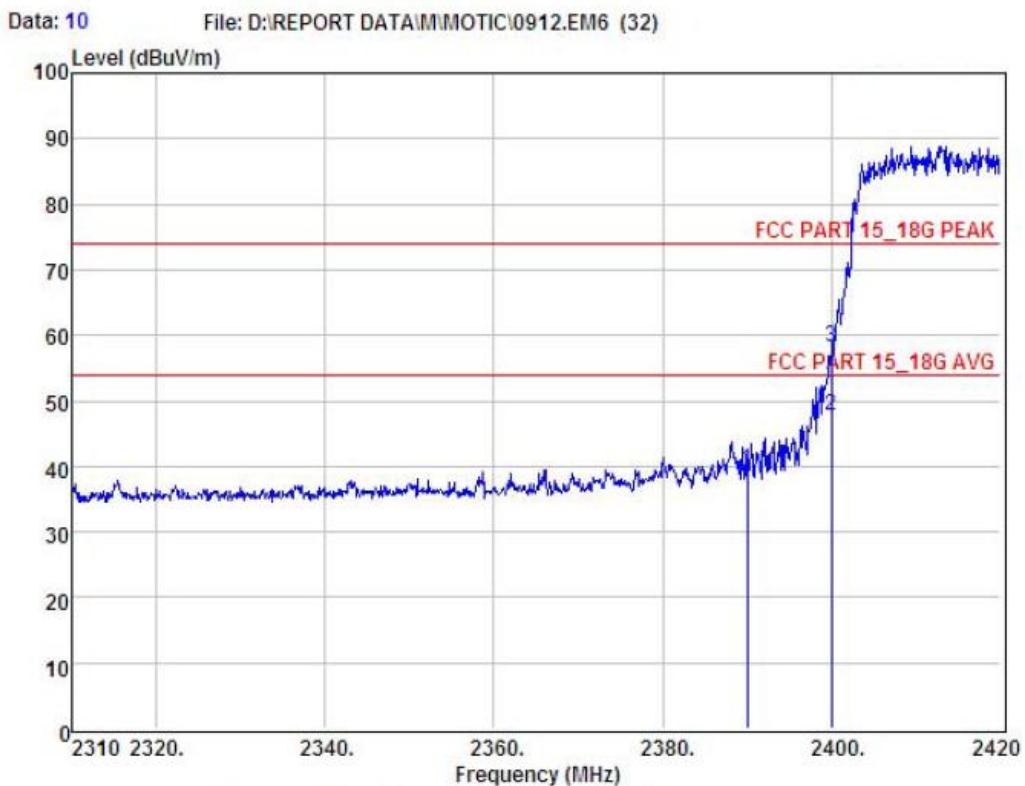
Item	Freq	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Level	Limit	Margin	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dBuV	
1	2483.50	45.60	27.59	34.97	4.00	42.22	74.00	-31.78	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

IEEE 802.11n/HT20 with 2.4G:  
CH LOW :



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Condition : FCC PART 15\_18G PEAK 3m POL: HORIZONTAL

EUT :

Model No :

Test Mode : IEEE.802.n/HT20 CH Low: 2412

Power :

Test Engineer :

Remark :

Temp : 24.2°C

Hum : 54%

Item	Freq	Read	Antenna	Preamp	Cable	Level	Limit	Margin	Remark
		Level	Factor	Factor	Loss				
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dBuV	
1	2390.00	42.84	27.62	34.97	3.92	39.41	74.00	-34.59	Peak
2	2400.00	51.06	27.62	34.97	3.94	47.65	54.00	-6.35	Average
3	2400.00	61.61	27.62	34.97	3.94	58.20	74.00	-15.80	Peak

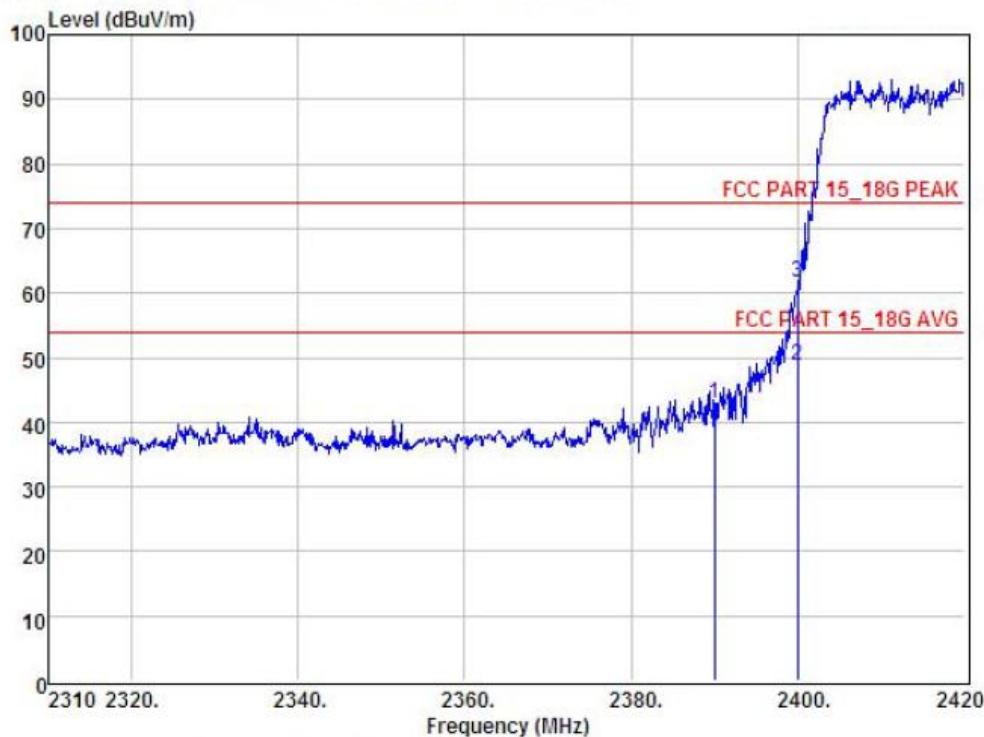
Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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Data: 9

File: D:\REPORT DATA\IMMOTIC\0912.EM6 (32)



Condition : FCC PART 15\_18G PEAK 3m POL: VERTICAL  
 EUT :  
 Model No :  
 Test Mode : IEEE.802.n/HT20 CH Low: 2412  
 Power :  
 Test Engineer :  
 Remark :  
 Temp : 24.2°C  
 Hum : 54%

Item	Freq	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Level	Limit	Margin	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dBuV	
1	2390.00	46.21	27.62	34.97	3.92	42.78	74.00	-31.22	Peak
2	2400.00	52.33	27.62	34.97	3.94	48.92	54.00	-5.08	Average
3	2400.00	64.99	27.62	34.97	3.94	61.58	74.00	-12.42	Peak

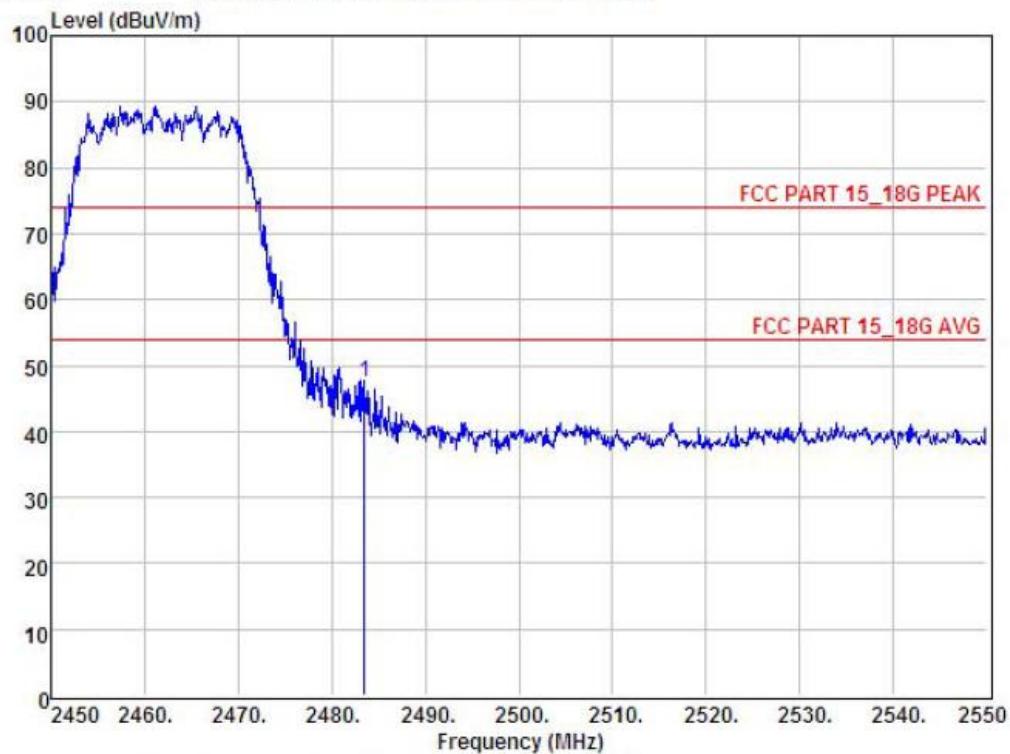
Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

CH High :



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Data: 11 File: D:\REPORT DATA\MMOTIC\0912.EM6 (32)



Condition : FCC PART 15\_18G PEAK 3m POL: HORIZONTAL

EUT :

Model No :

Test Mode : IEEE.802.n/HT20 CH High: 2462

Power :

Test Engineer :

Remark :

Temp : 24.2°C

Hum : 54%

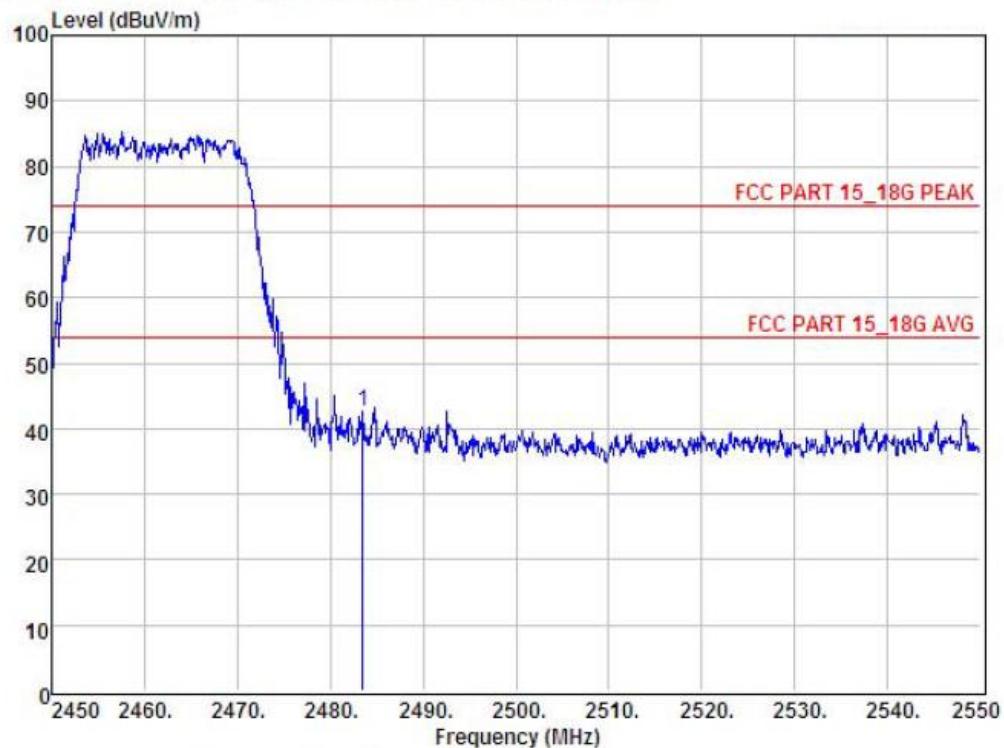
Item	Freq	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Level	Limit	Margin	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dBuV	
1	2483.50	50.81	27.59	34.97	4.00	47.43	74.00	-26.57	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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Data: 12 File: D:\REPORT DATA\IMMOTIC\0912.EM6 (32)



Condition : FCC PART 15 18G PEAK 3m POL: VERTICAL

EUT :

Model No :

Test Mode : IEEE.802.n/HT20 CH High: 2462

Power :

Test Engineer :

Remark :

Temp : 24.2°C

Hum : 54%

Item	Freq	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Level	Limit	Margin	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dBuV	
1	2483.50	46.02	27.59	34.97	4.00	42.64	74.00	-31.36	Peak

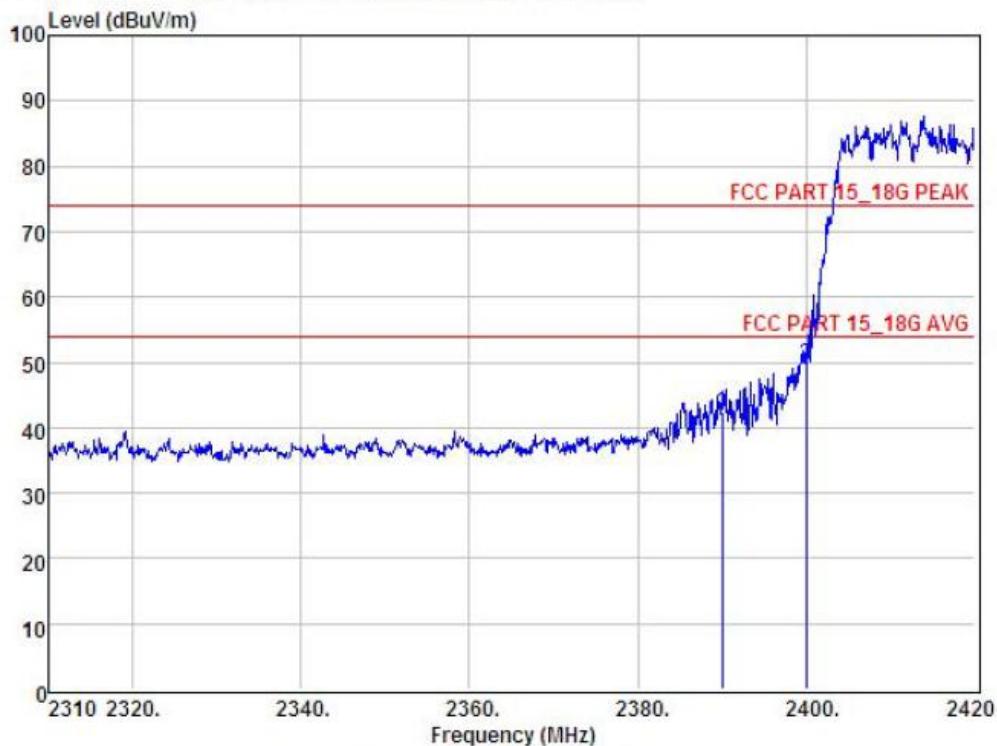
Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

IEEE 802.11 n/HT40 with 2.4G::  
CH LOW :



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Data: 13 File: D:\REPORT DATA\1\1\0912.EM6 (32)



Condition : FCC PART 15\_18G PEAK 3m POL: HORIZONTAL

EUT :

Model No :

Test Mode : IEEE.802.n/HT40 CH Low: 2422

Power :

Test Engineer :

Remark :

Temp : 24.2°C

Hum : 54%

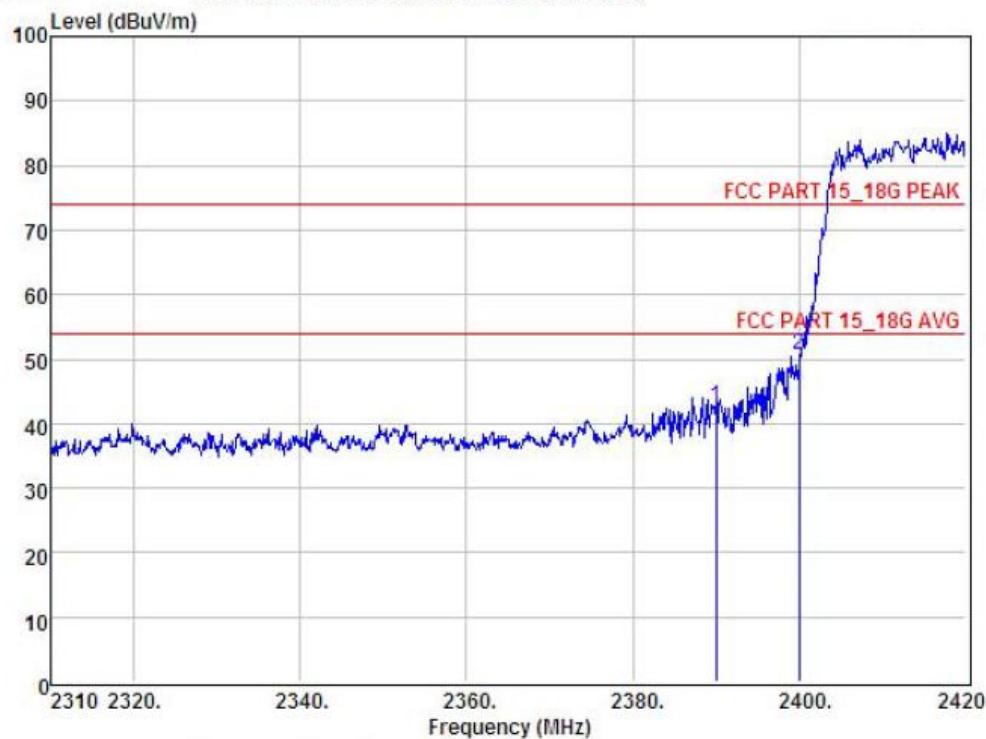
Item	Freq	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Level	Limit	Margin	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dBuV	
1	2390.00	45.72	27.62	34.97	3.92	42.29	74.00	-31.71	Peak
2	2400.00	53.14	27.62	34.97	3.94	49.73	74.00	-24.27	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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Data: 14 File: D:\REPORT DATA\IMMOTIC\0912.EM6 (32)



Condition : FCC PART 15\_18G PEAK 3m POL: VERTICAL

EUT :

Model No :

Test Mode : IEEE.802.n/HT40 CH Low: 2422

Power :

Test Engineer :

Remark :

Temp : 24.2°C

Hum : 54%

Item	Freq	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Level	Limit	Margin	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dBuV	
1	2390.00	46.10	27.62	34.97	3.92	42.67	74.00	-31.33	Peak
2	2400.00	54.03	27.62	34.97	3.94	50.62	74.00	-23.38	Peak

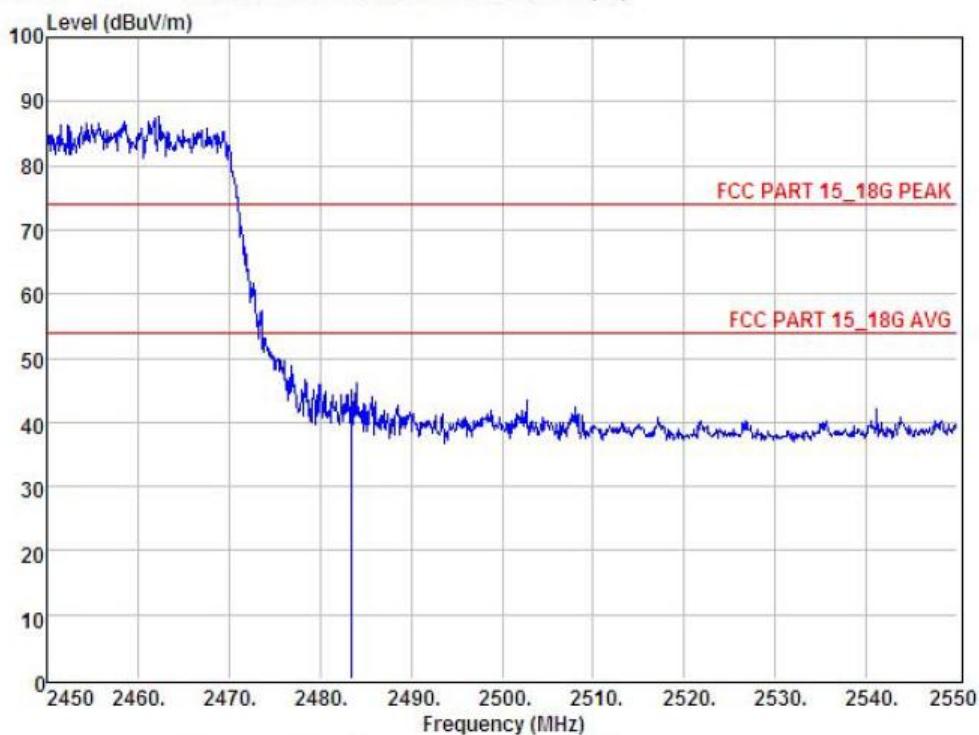
Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

CH High :



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Data: 16 File: D:\REPORT DATA\IMMOTIC\0912.EM6 (32)



Condition : FCC PART 15\_18G PEAK 3m POL: HORIZONTAL

EUT :

Model No :

Test Mode : IEEE.802.n/HI40 CH High: 2452

Power :

Test Engineer :

Remark :

Temp : 24.2°C

Hum : 54%

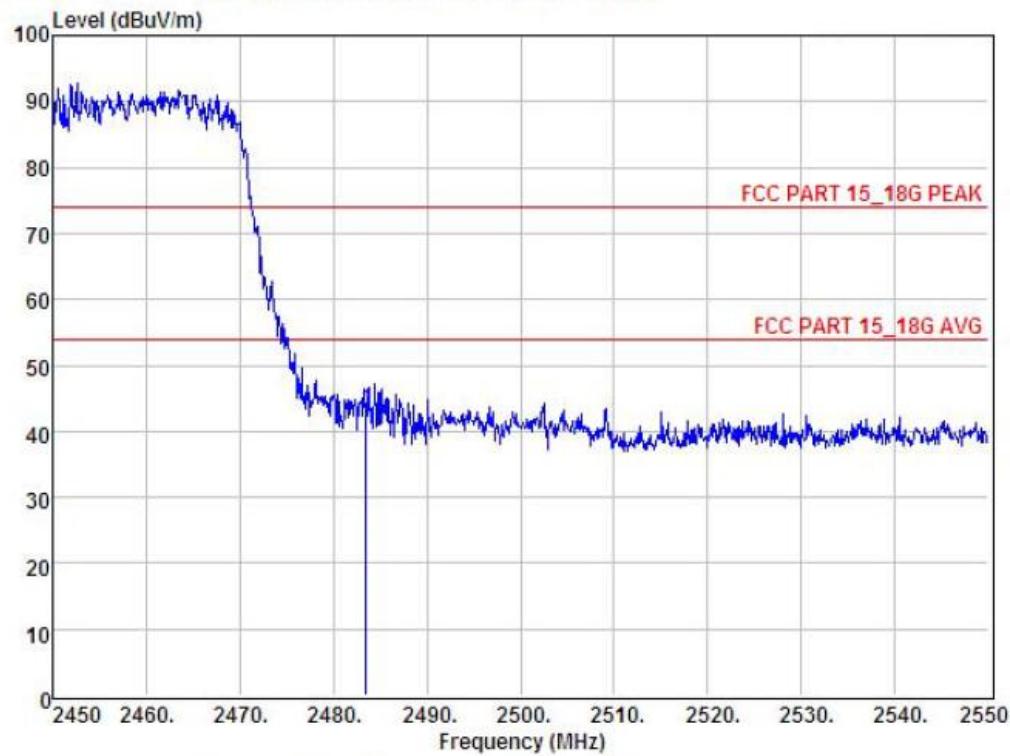
Item	Freq	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Level	Limit	Margin	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dBuV	
1	2483.50	42.96	27.59	34.97	4.00	39.58	74.00	-34.42	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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Data: 15 File: D:\REPORT DATA\IMOTIC\0912.EM6 (32)



Condition : FCC PART 15\_18G PEAK 3m POL: VERTICAL

EUT :

Model No :

Test Mode : IEEE.802.n/HT40 CH High: 2452

Power :

Test Engineer :

Remark :

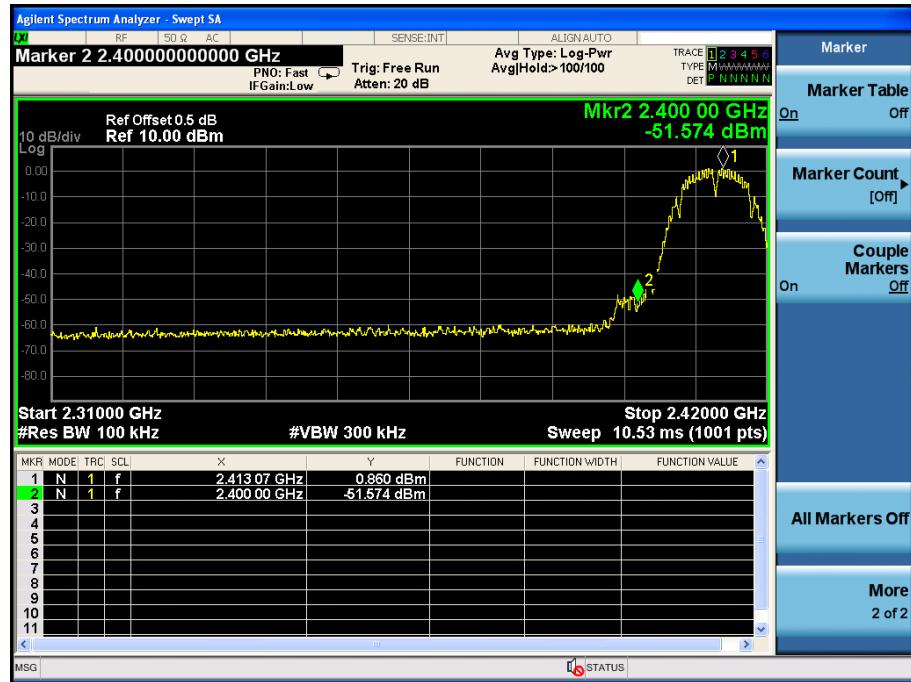
Temp : 24.2°C

Hum : 54%

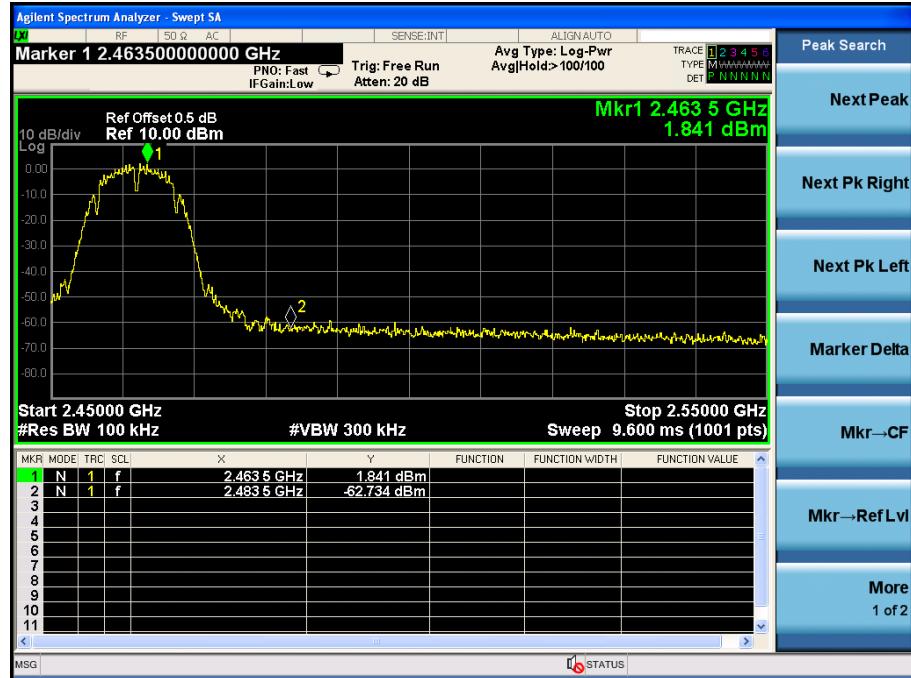
Item	Freq	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Level	Limit	Margin	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dBuV	
1	2483.50	46.53	27.59	34.97	4.00	43.15	74.00	-30.85	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

Conducted Emission Method  
802.11b Mode:  
Low Channel:

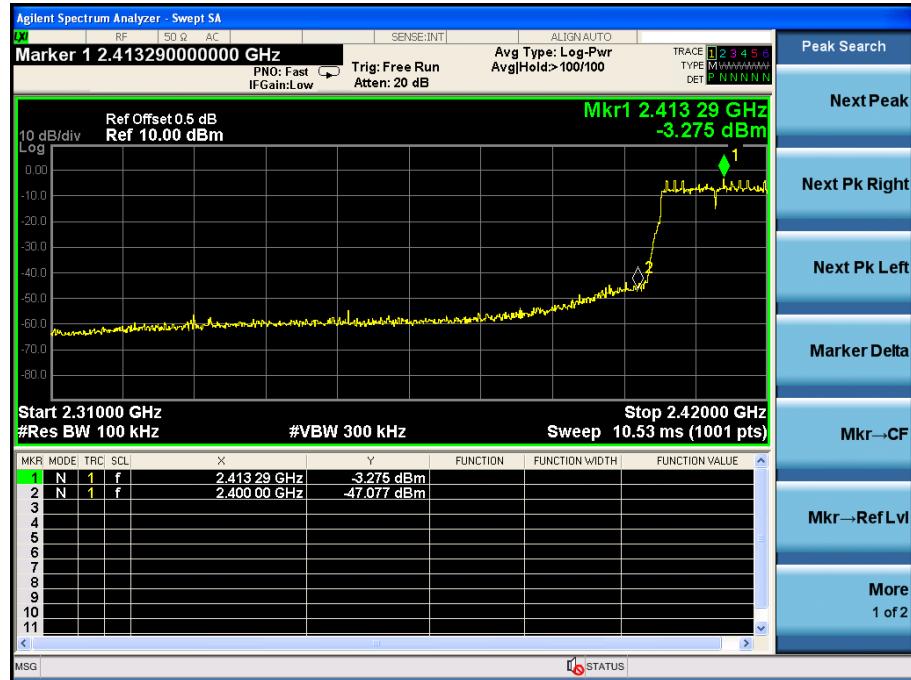


High Channel:

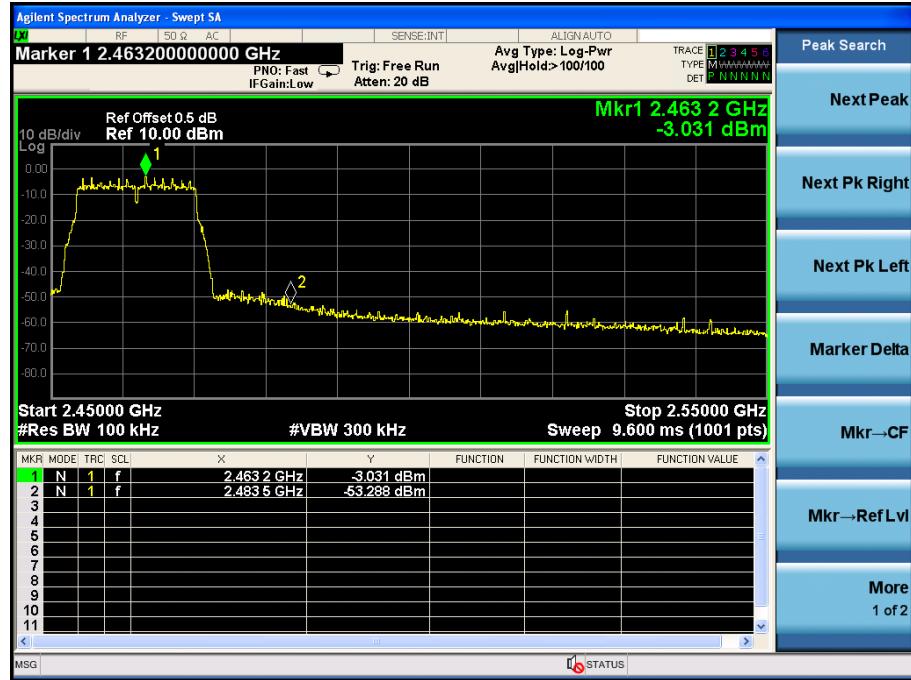


802.11g Mode:

Low Channel:

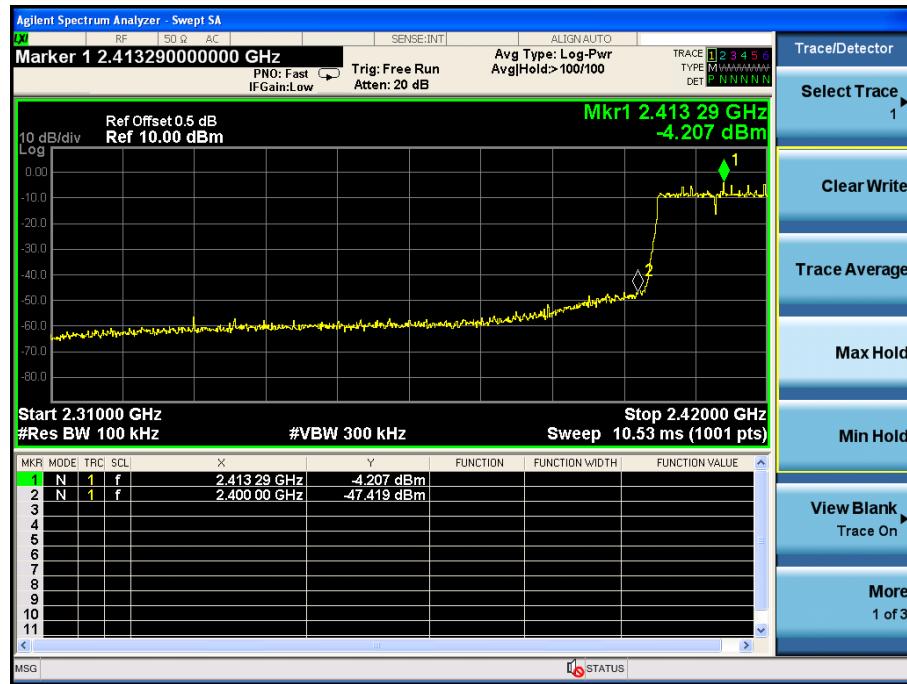


High Channel:



802.11n/HT20 Mode:

Low Channel:

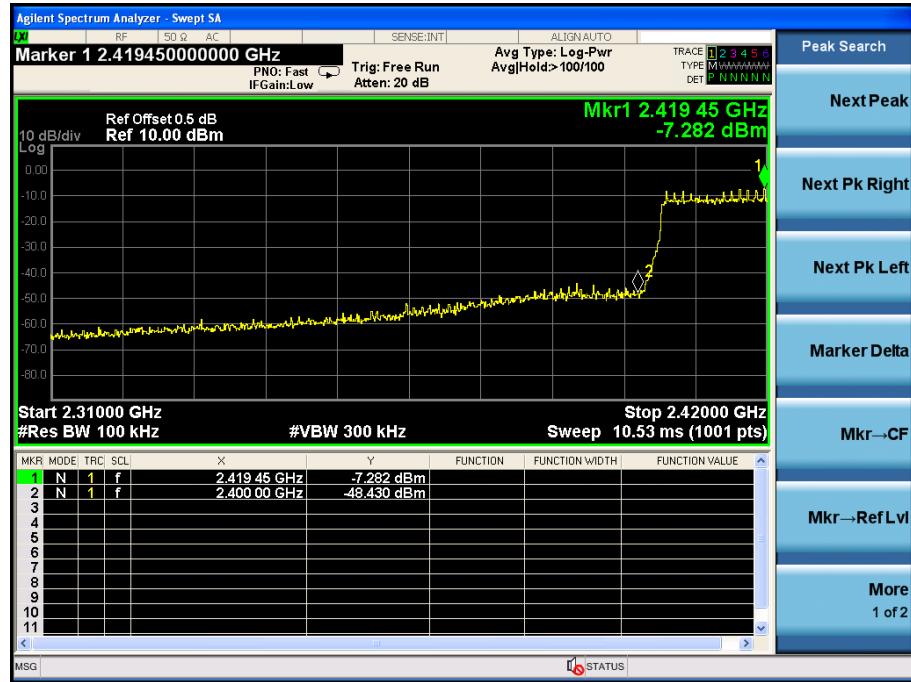


High Channel:



802.11n/HT40 Mode:

Low Channel:



High Channel:



## 11 Antenna Requirement

### 11.1 Standard Requirement

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 replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

### 11.2 Antenna Connected Construction

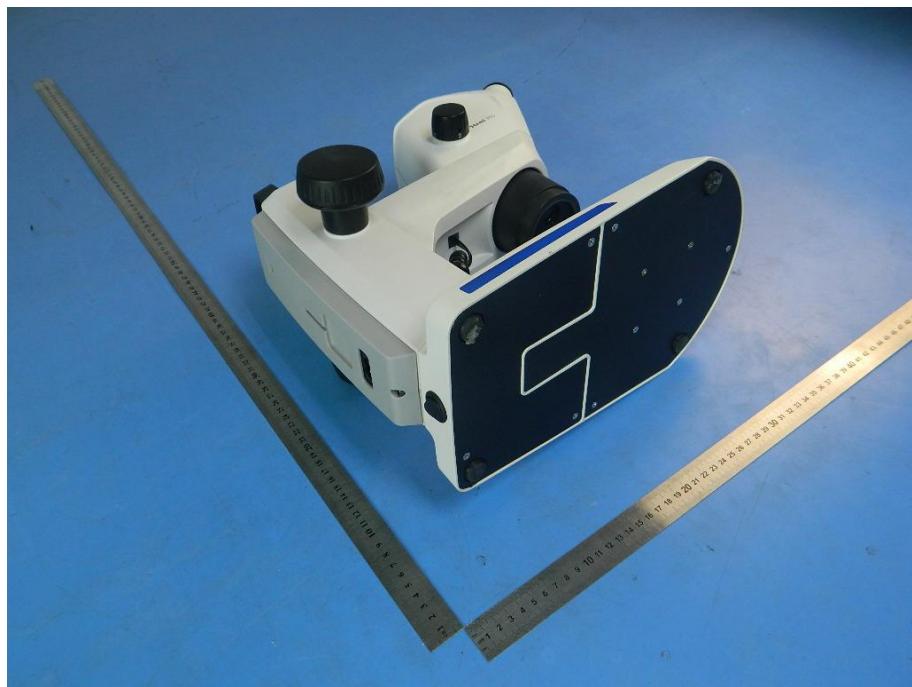
The directional gains of antenna used for transmitting is 2.5dBi , and the antenna connector is unique connector and no consideration of replacement. Please see EUT photo for details.

### 11.3 Result

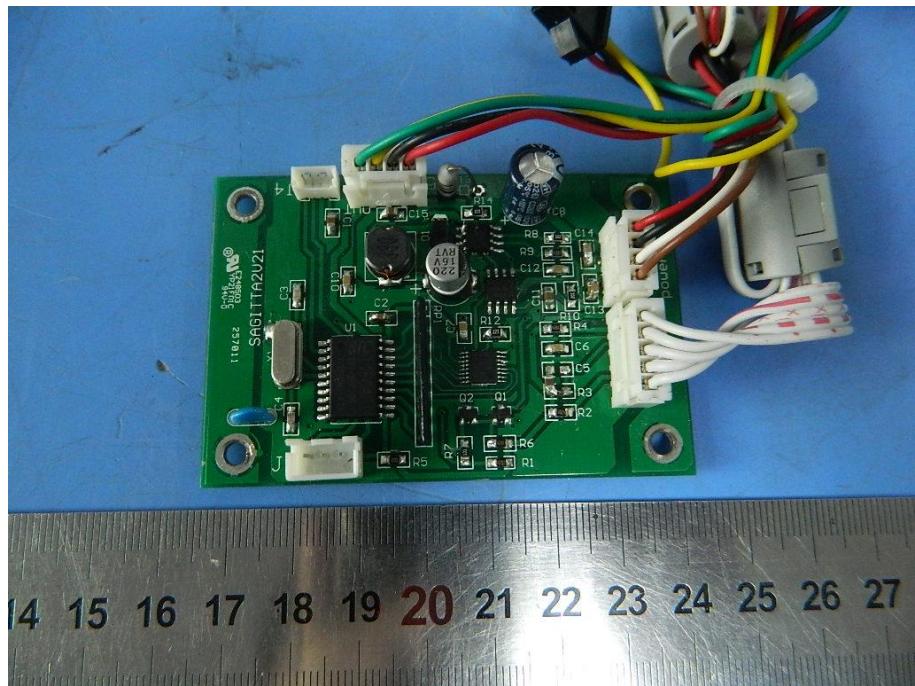
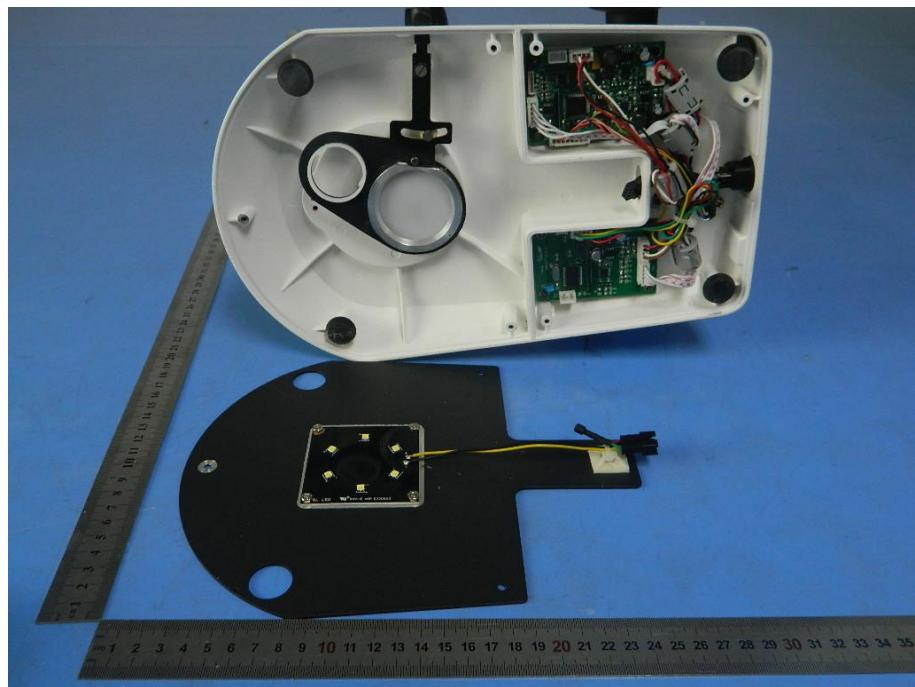
The EUT antenna is Integral Antenna. It comply with the standard requirement.

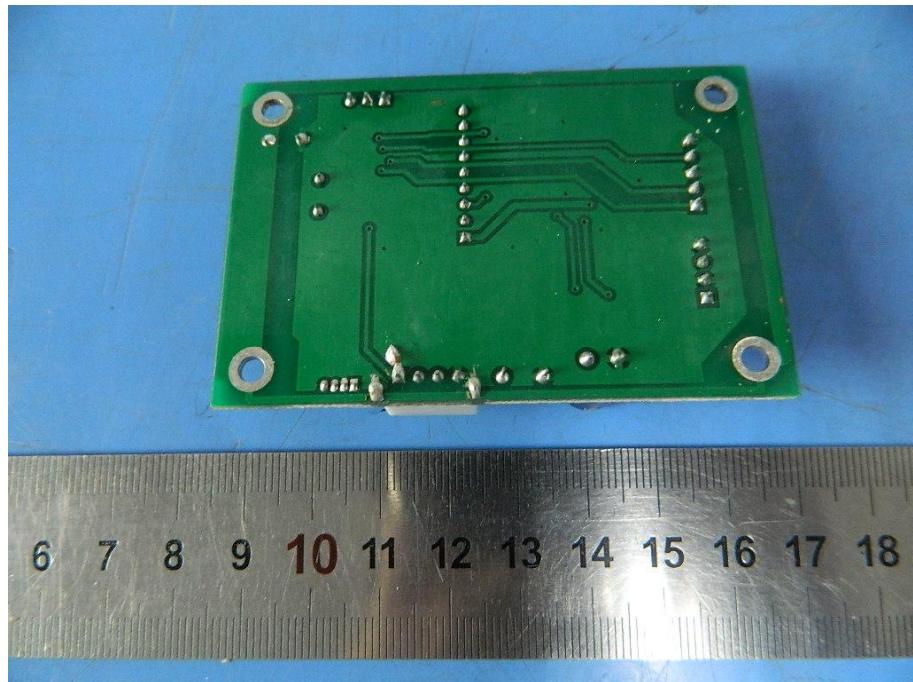
## 12 Photographs of EUT

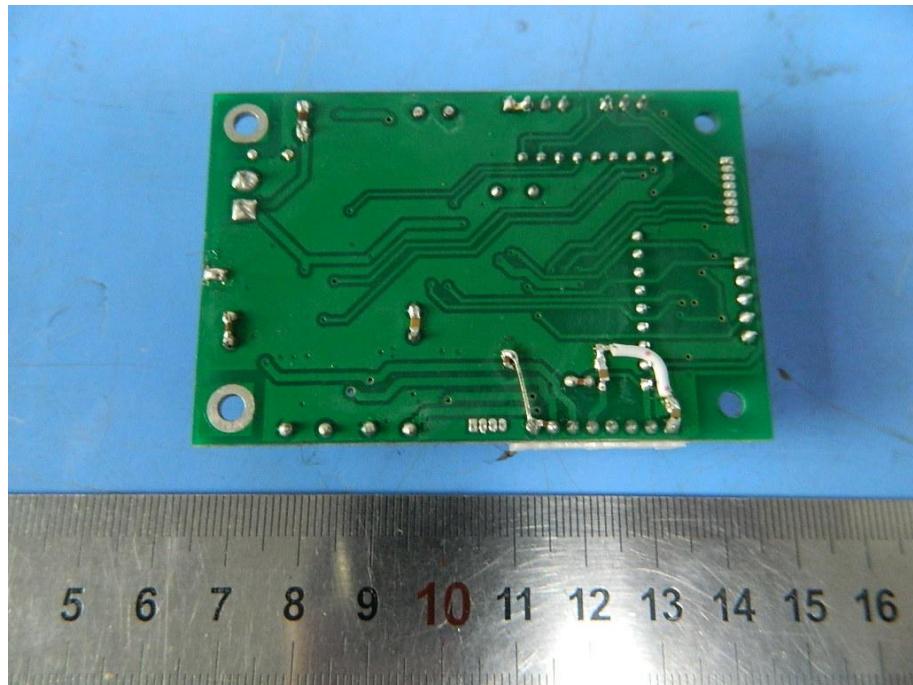


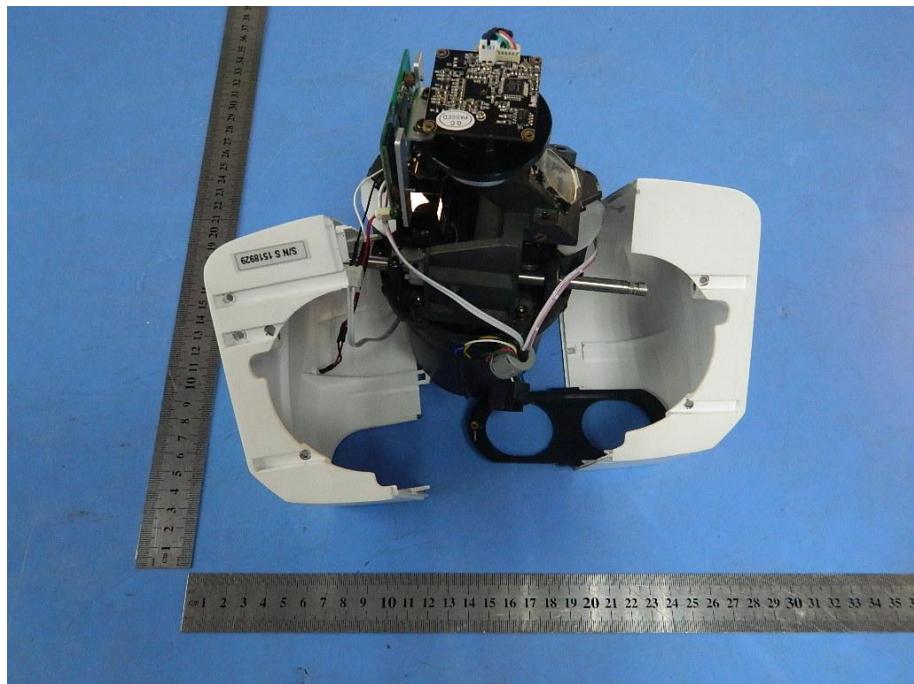
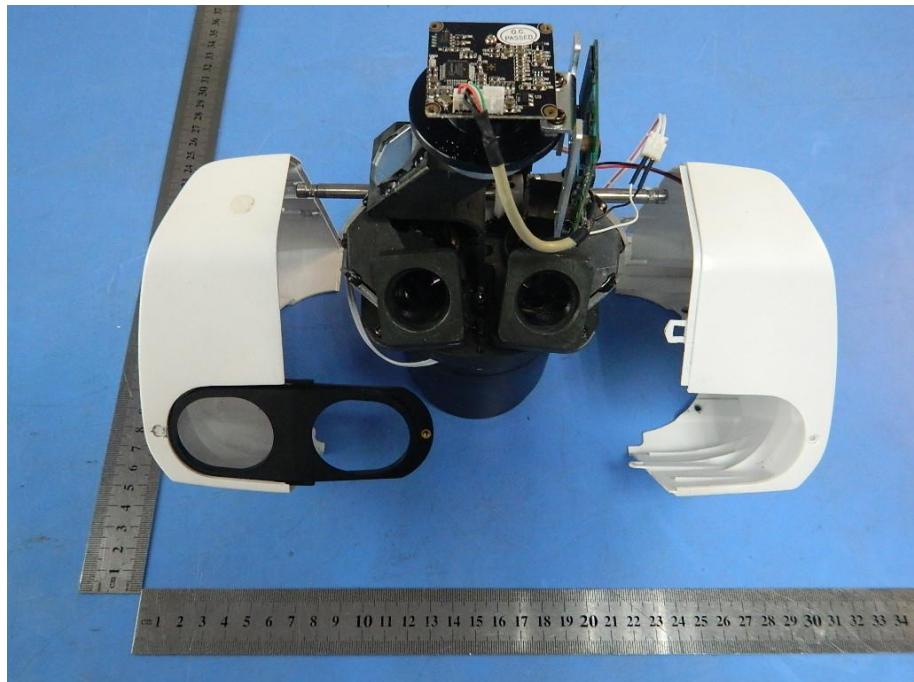


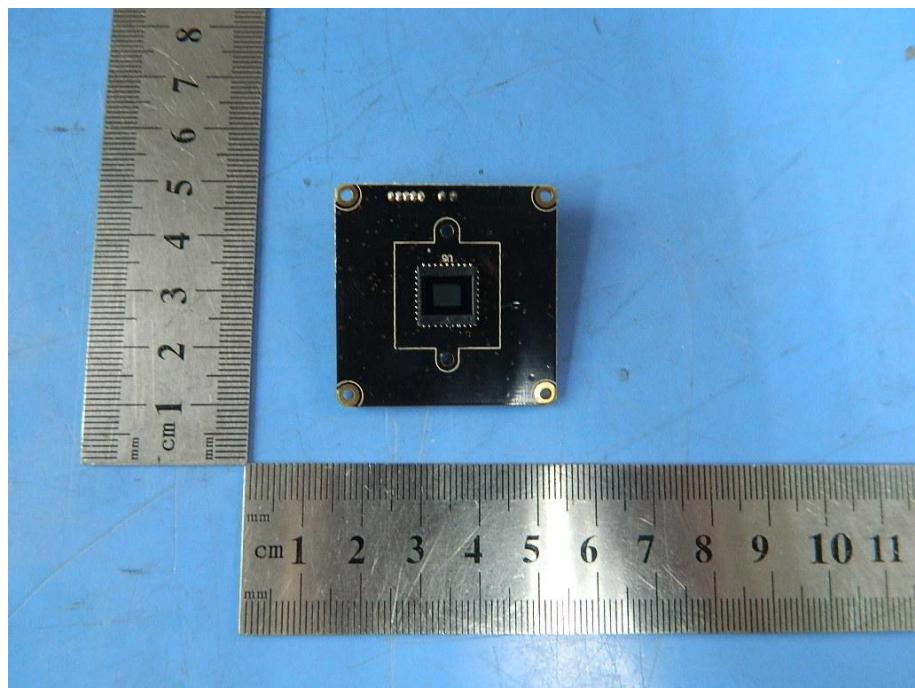
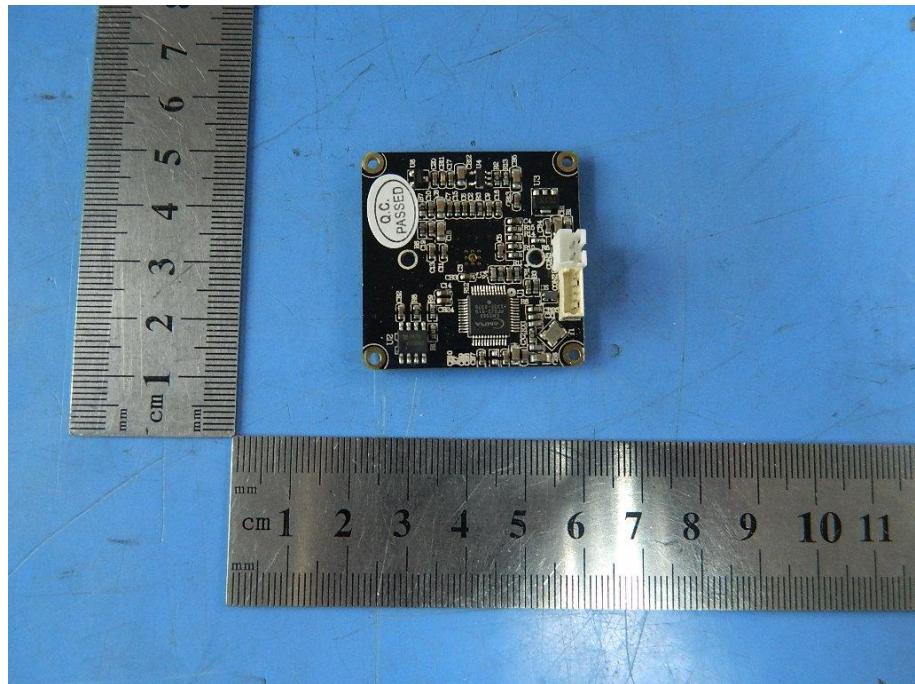


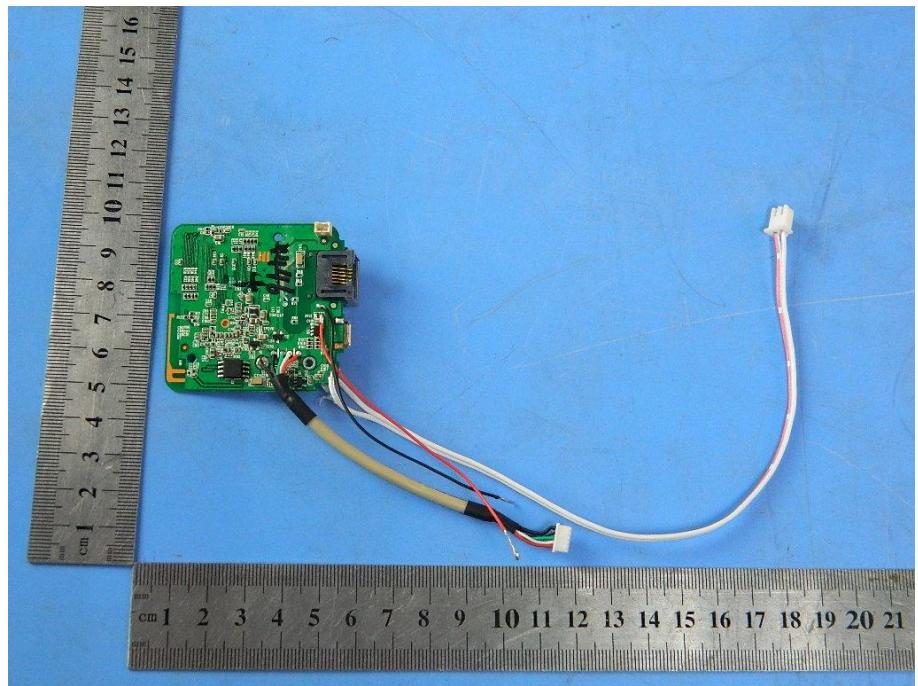
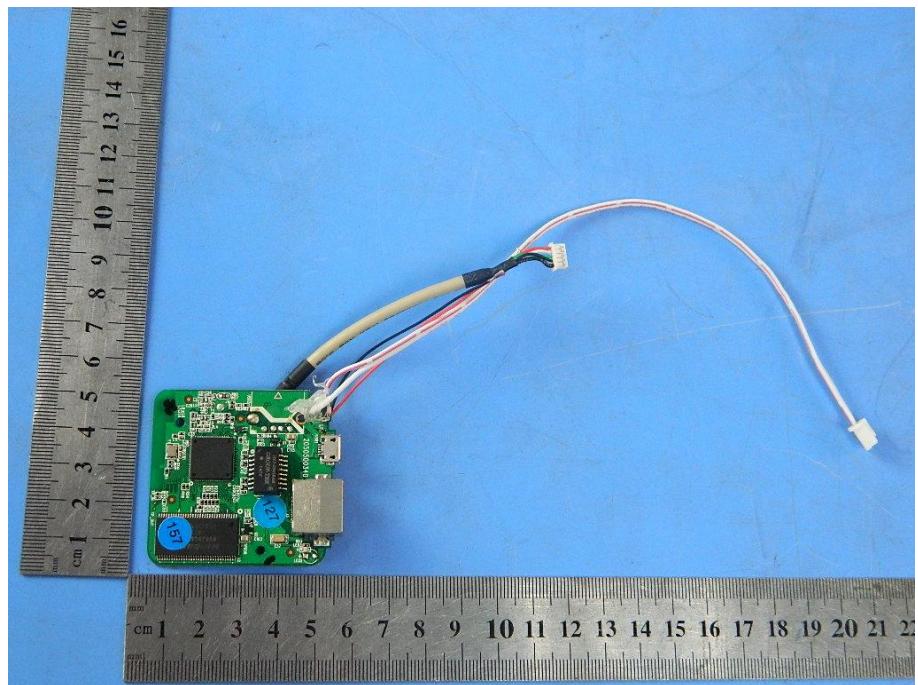












-----END OF THE REPORT-----