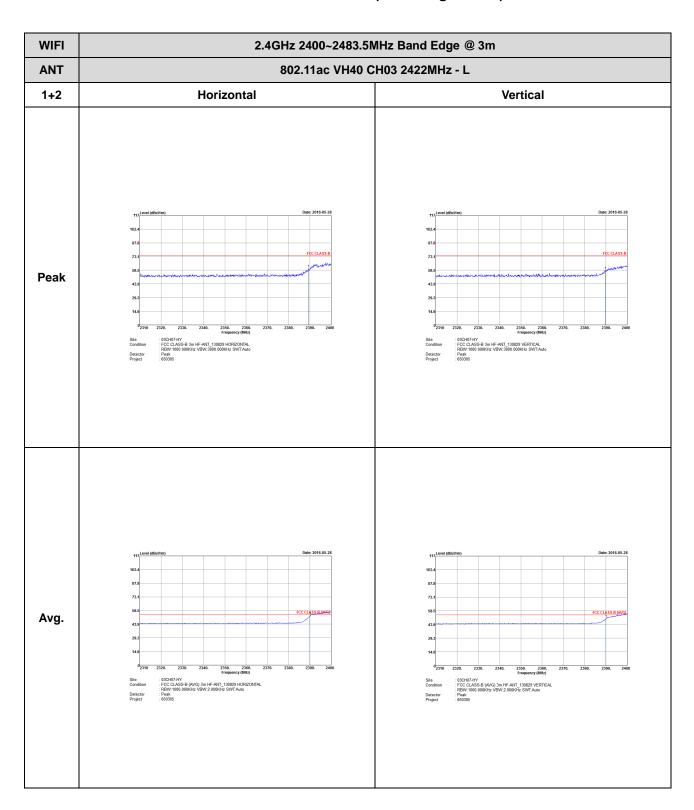


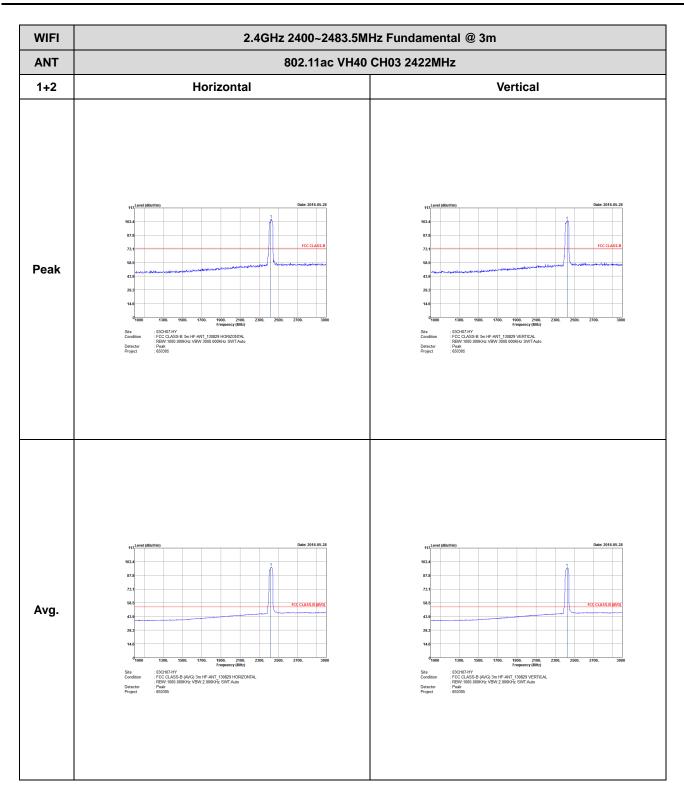
# 2.4GHz 2400~2483.5MHz WIFI 802.11ac VHT40 (Band Edge @ 3m)



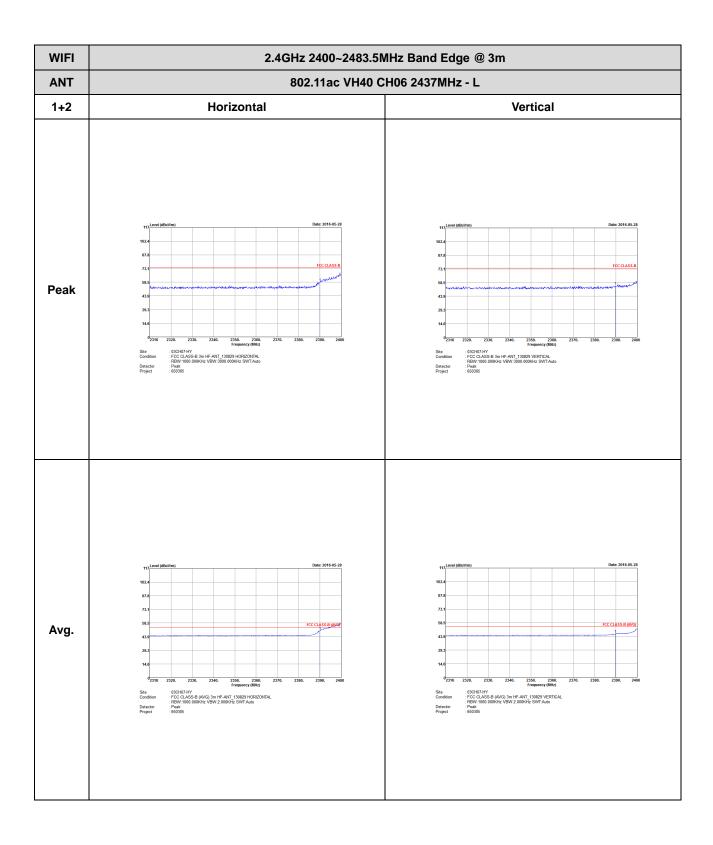
TEL: 886-3-327-3456 FAX: 886-3-328-4978

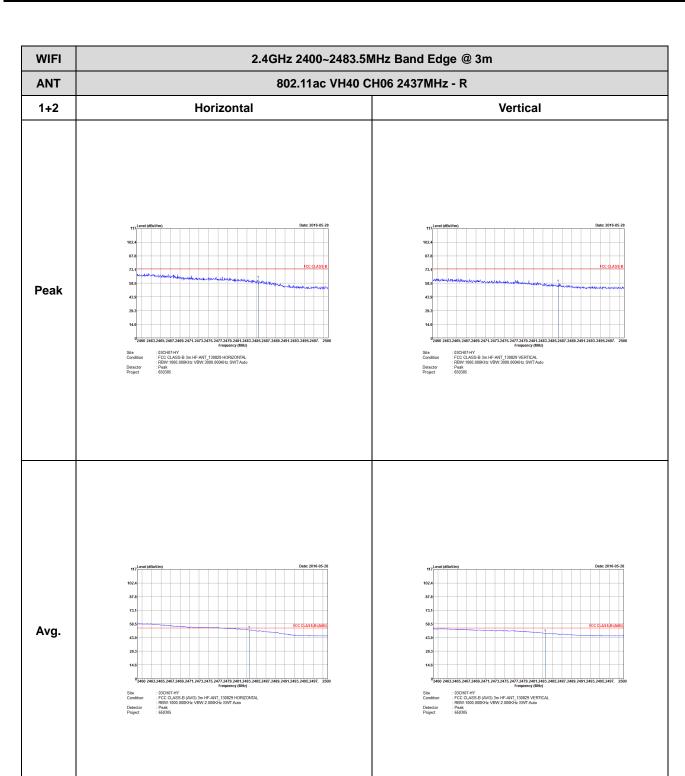
WIFI 2.4GHz 2400~2483.5MHz Band Edge @ 3m **ANT** 802.11ac VH40 CH03 2422MHz - R 1+2 Vertical Horizontal Peak Avg. . 03CH07-HY FCC CLASS-B (AVG) 3m HF-ANT\_130829 HORIZONTAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Peak 5650305 : 03CH07-HY : FCC CLASS-B (AVG) 3m HF-ANT\_130829 VERTICAL : RBW:1000.000KHz VBW:2.000KHz SWT:Auto : Peak : 650305

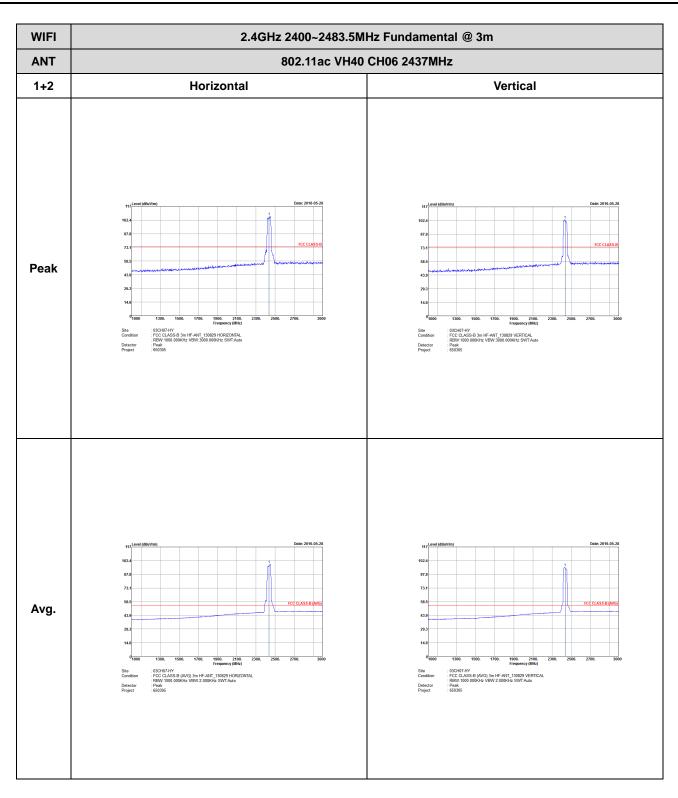
TEL: 886-3-327-3456 FAX: 886-3-328-4978









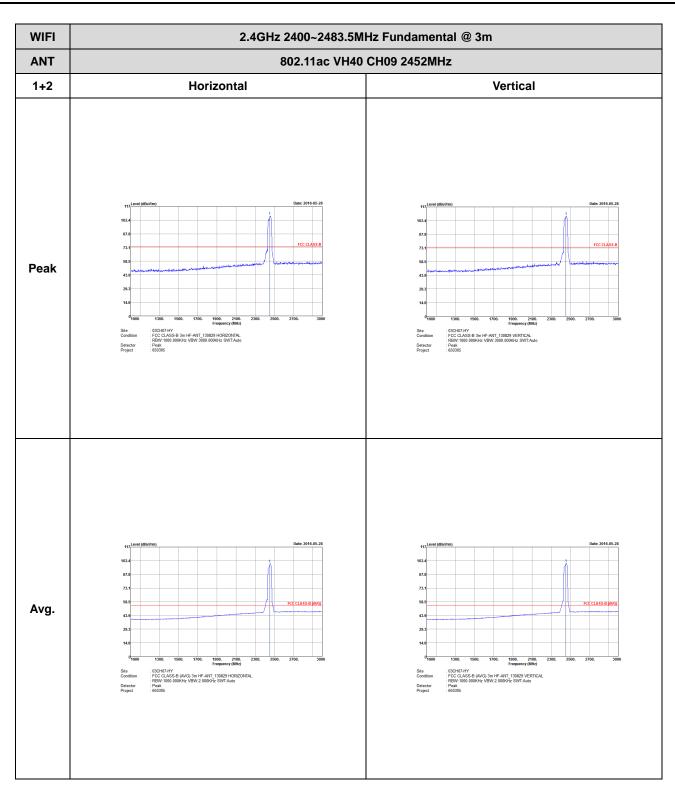


WIFI 2.4GHz 2400~2483.5MHz Band Edge @ 3m **ANT** 802.11ac VH40 CH09 2452MHz - L 1+2 Horizontal Vertical Peak Avg. : 03CH07-HY : FCC CLASS-B (AVG) 3m HF-ANT\_130829 HORIZONTAL : RBW:1000.000KHz VBW:2.000KHz SWT:Auto : Peak : 550305 : 03CH07-HY : FCC CLASS-B (AVG) 3m HF-ANT\_130829 VERTICAL : RBW:1000.000KHz VBW:2.000KHz SWT:Auto : Peak : 563305

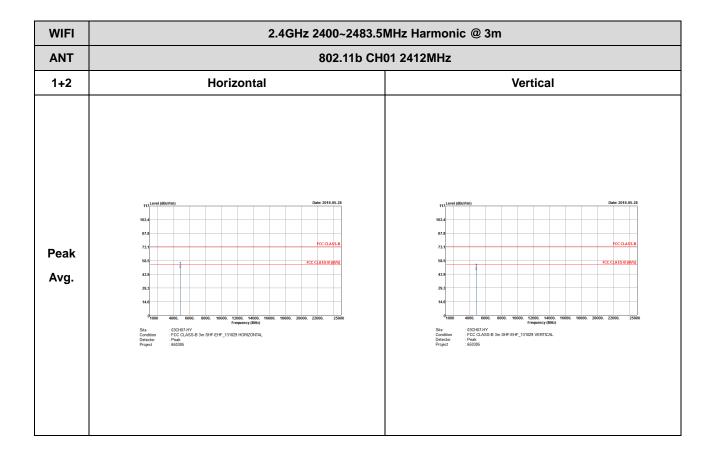
TEL: 886-3-327-3456 FAX: 886-3-328-4978

WIFI 2.4GHz 2400~2483.5MHz Band Edge @ 3m **ANT** 802.11ac VH40 CH09 2452MHz - R 1+2 Vertical Horizontal Peak Avg. : 03CH07-HY : FCC CLASS-B (AVG) 3m HF-ANT\_130829 HORIZONTAL : RBW:1000.000KHz VBW:2.000KHz SWT:Auto : Peak : 650305 : 03CH07-HY : FCC CLASS-B (AVG) 3m HF-ANT\_130829 VERTICAL : RBW:1000.000KHz VBW:2.000KHz SWT:Auto : Peak : 650305

TEL: 886-3-327-3456 FAX: 886-3-328-4978

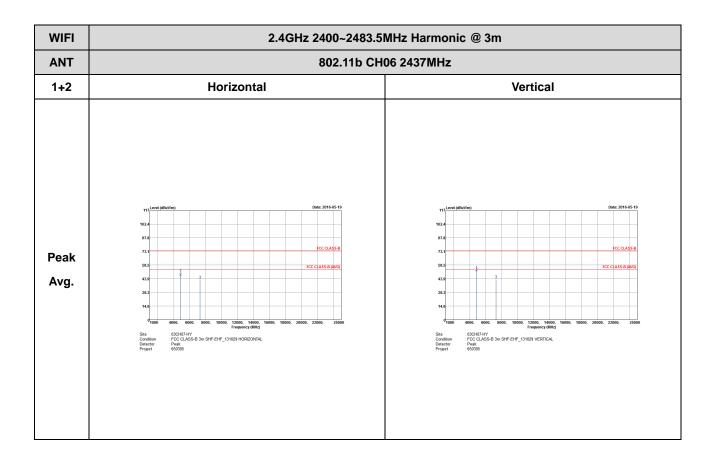


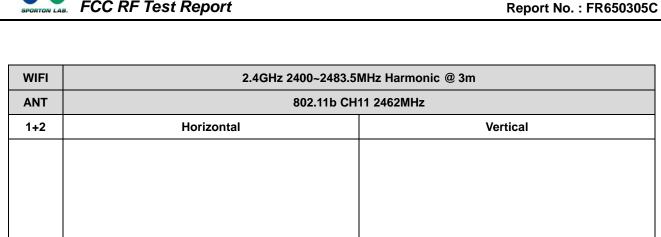
### WIFI 802.11b (Harmonic @ 3m)

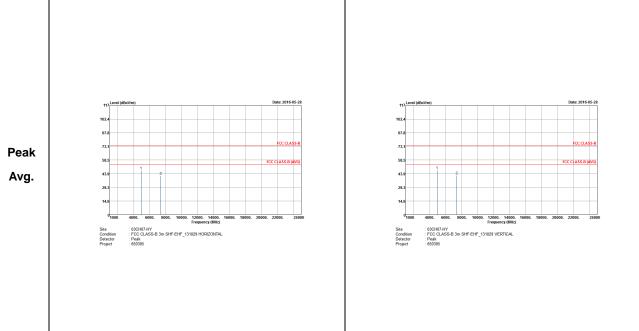


TEL: 886-3-327-3456 FAX: 886-3-328-4978

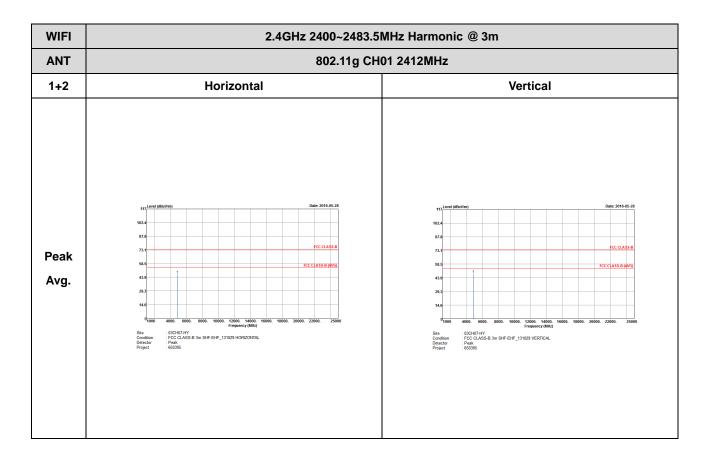






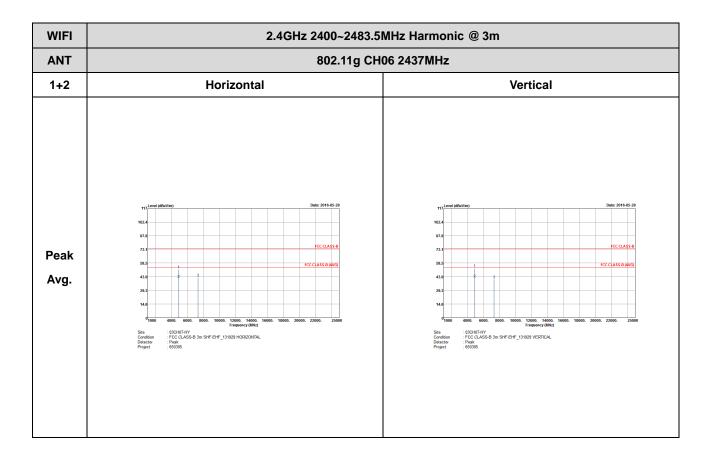


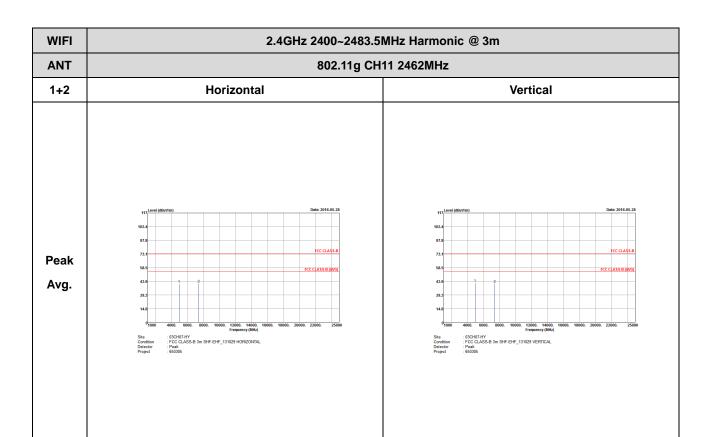
### WIFI 802.11g (Harmonic @ 3m)



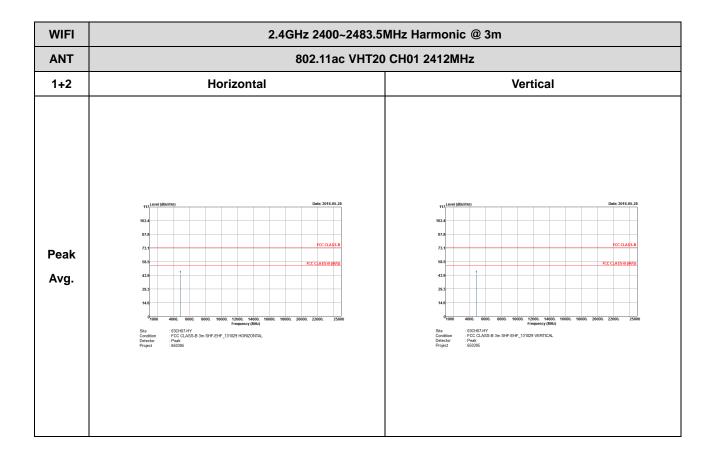
TEL: 886-3-327-3456 FAX: 886-3-328-4978



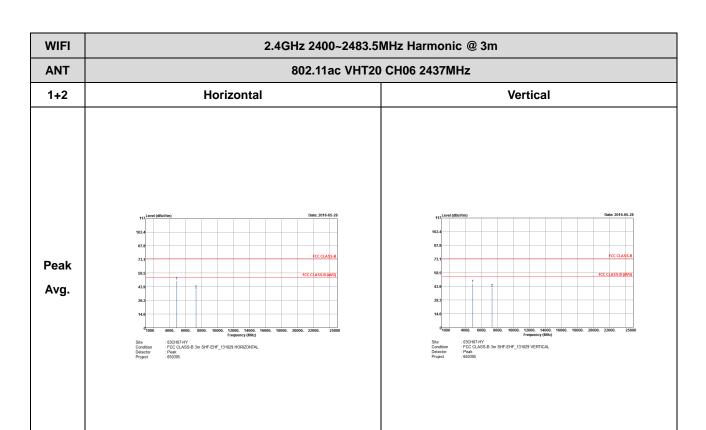


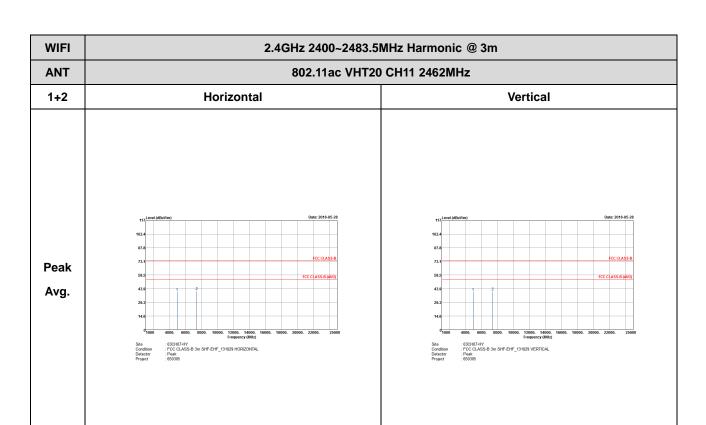


# 2.4GHz 2400~2483.5MHz WIFI 802.11ac VHT20 (Harmonic @ 3m)



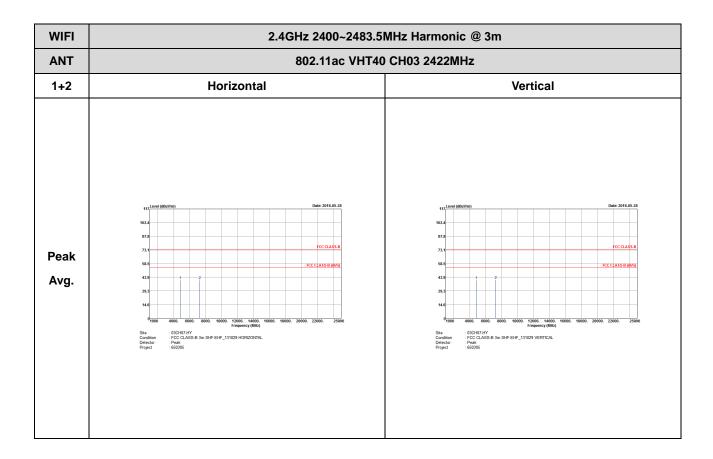
TEL: 886-3-327-3456 FAX: 886-3-328-4978



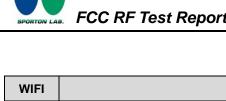


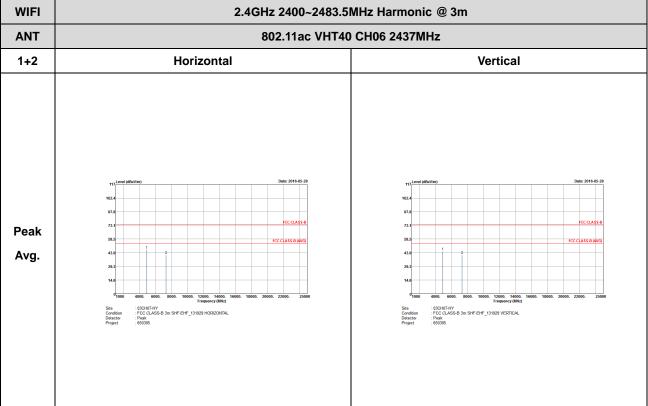
: C3-39 of 46

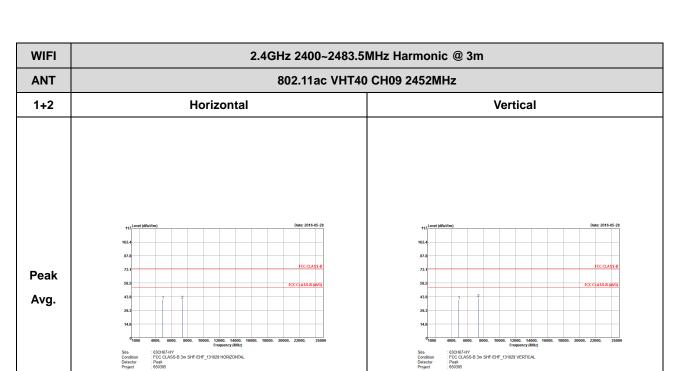
# 2.4GHz 2400~2483.5MHz WIFI 802.11ac VHT40 (Harmonic @ 3m)



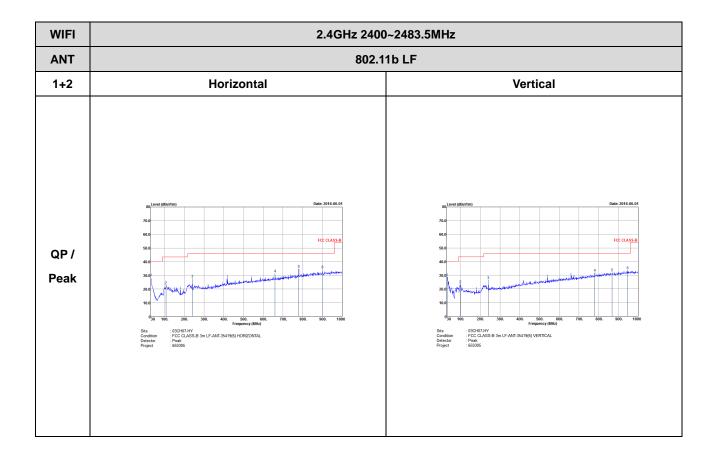
TEL: 886-3-327-3456 FAX: 886-3-328-4978







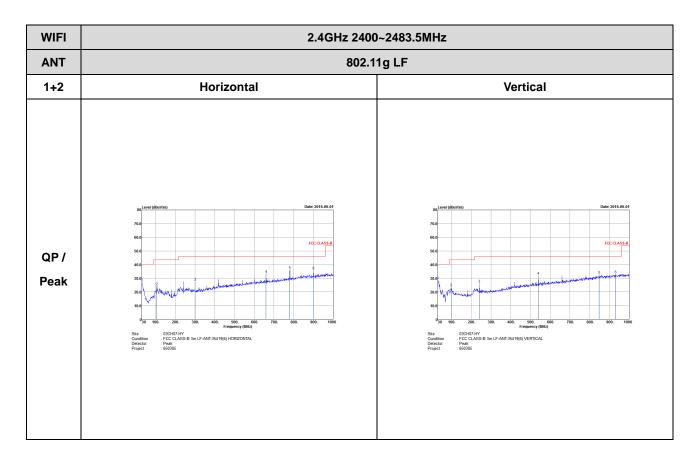
### Emission below 1GHz 2.4GHz WIFI 802.11b (LF)



TEL: 886-3-327-3456 FAX: 886-3-328-4978

# Emission below 1GHz

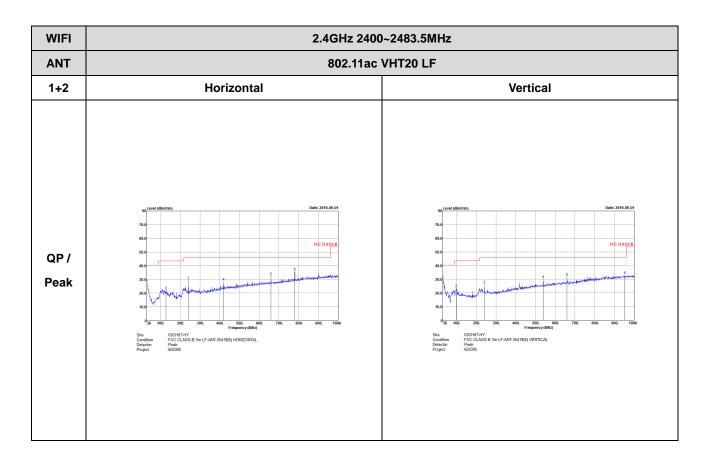
### 2.4GHz WIFI 802.11g (LF)



TEL: 886-3-327-3456 FAX: 886-3-328-4978

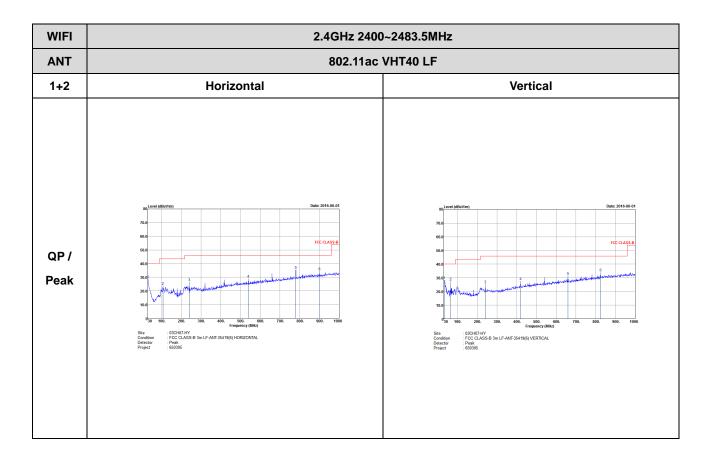
Report No.: FR650305C

### Emission below 1GHz 2.4GHz WIFI 802.11ac VHT20 (LF)



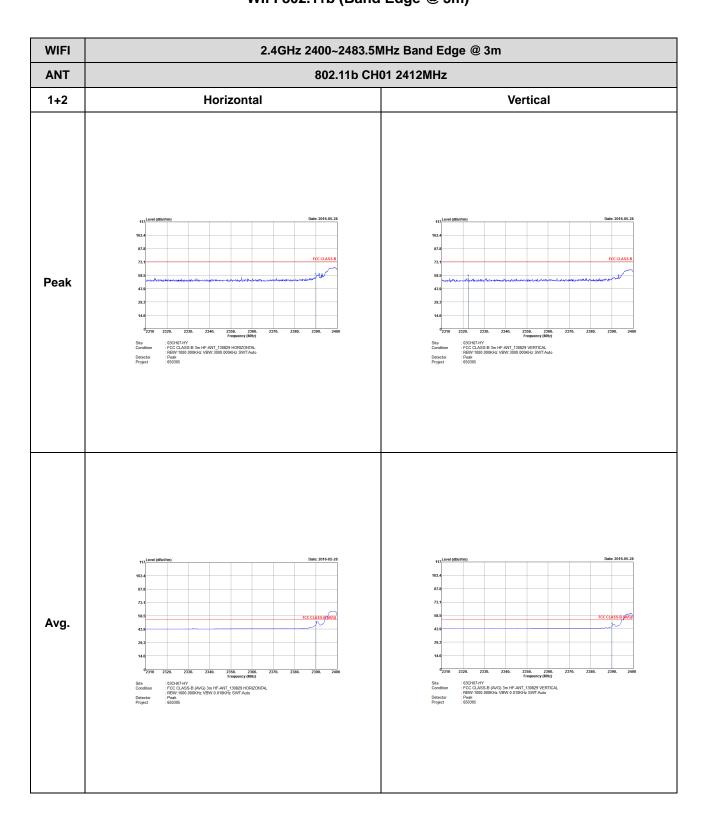
TEL: 886-3-327-3456 FAX: 886-3-328-4978

### Emission below 1GHz 2.4GHz WIFI 802.11ac VHT40 (LF)

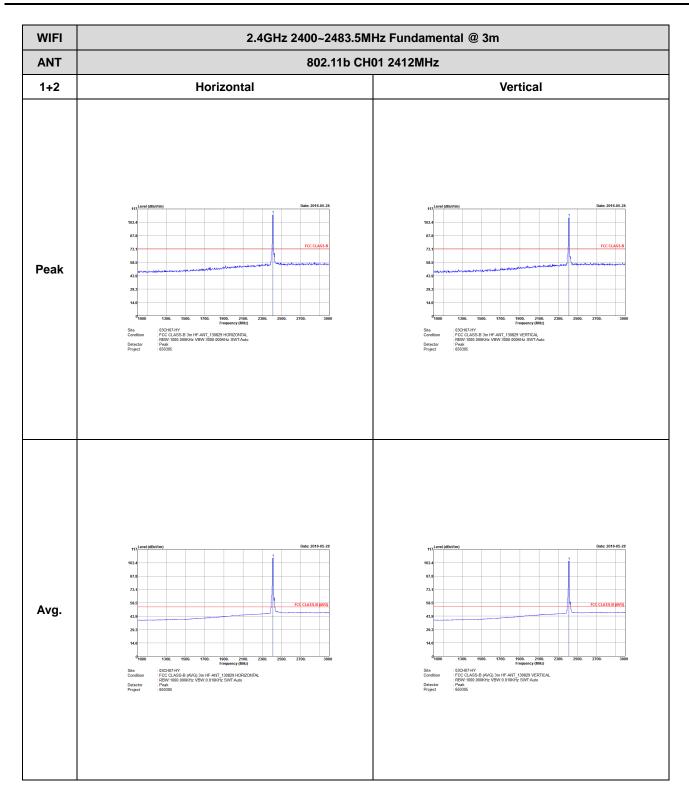


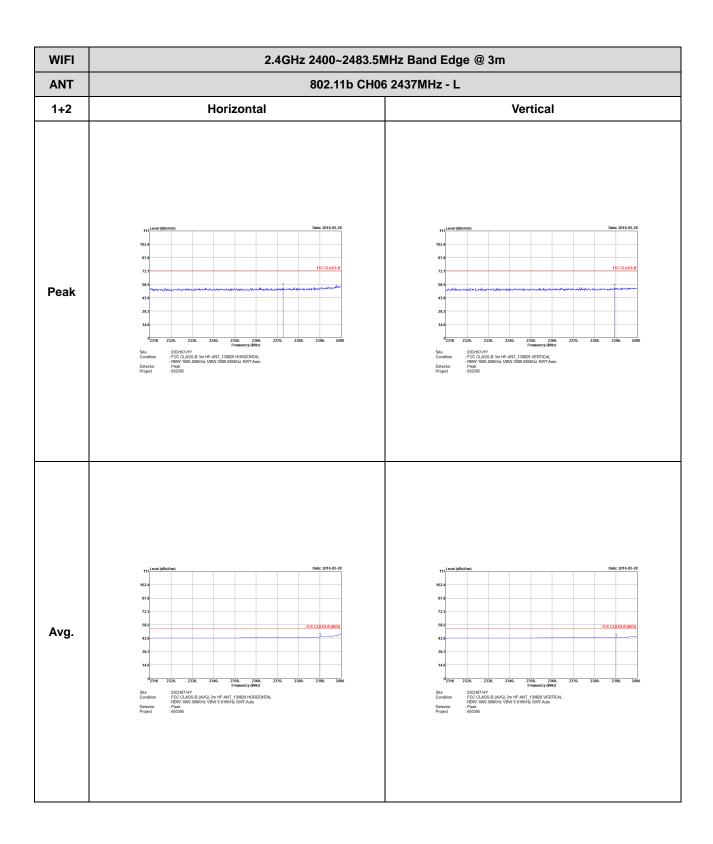
TEL: 886-3-327-3456 FAX: 886-3-328-4978

## 2.4GHz 2400~2483.5MHz WIFI 802.11b (Band Edge @ 3m)



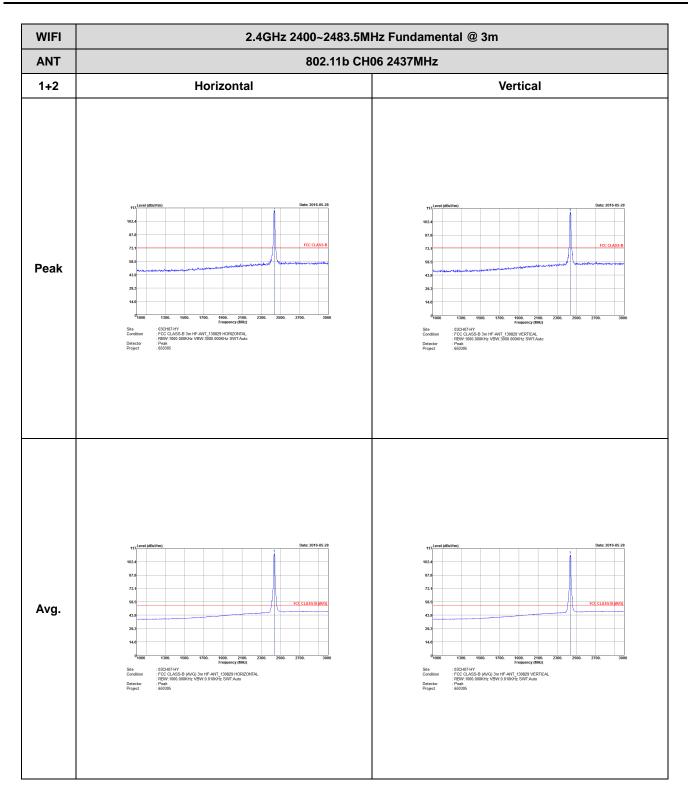
TEL: 886-3-327-3456 FAX: 886-3-328-4978

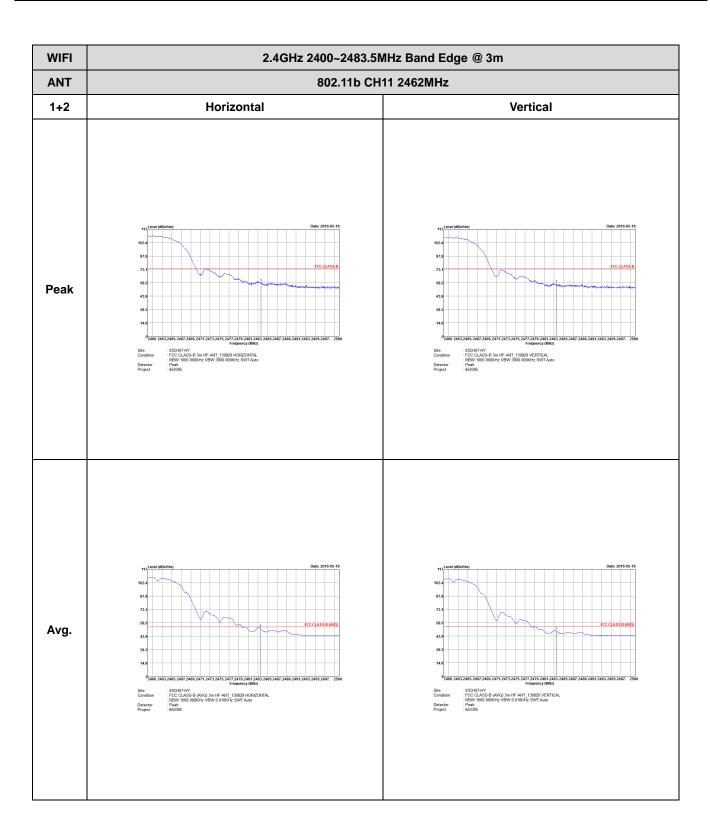


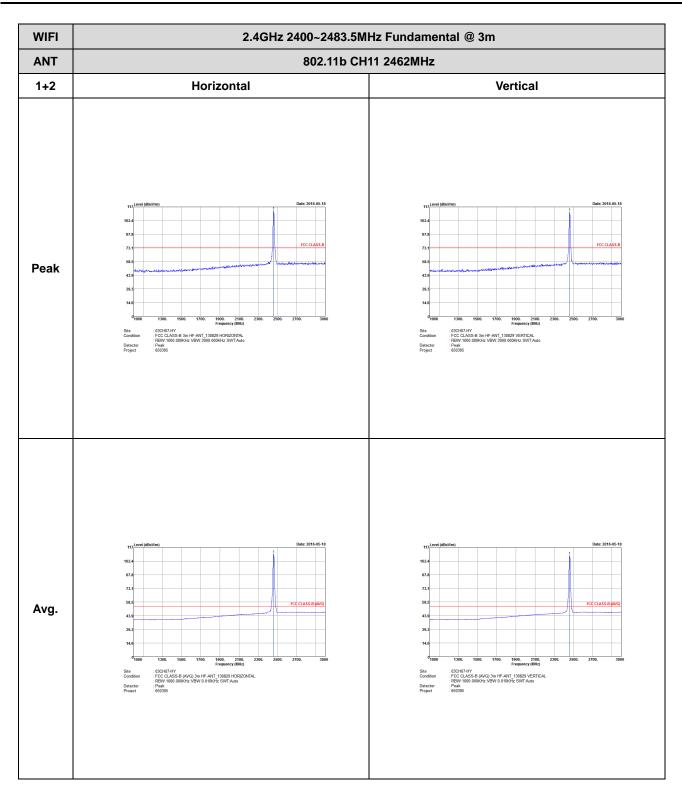


WIFI 2.4GHz 2400~2483.5MHz Band Edge @ 3m **ANT** 802.11b CH06 2437MHz - R 1+2 Horizontal Vertical Peak Avg. : 03CH07-HY : FCC CLASS-B (AVG) 3m HF-ANT\_130829 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWIT:Auto : Peak : 563305 : 03CH07-HY : FCC CLASS-B (AVG) 3m HF-ANT\_130829 HORIZONTAI : RBW:1000.000KHz VBW:0.010KHz SWT:Auto : Peak : 650305

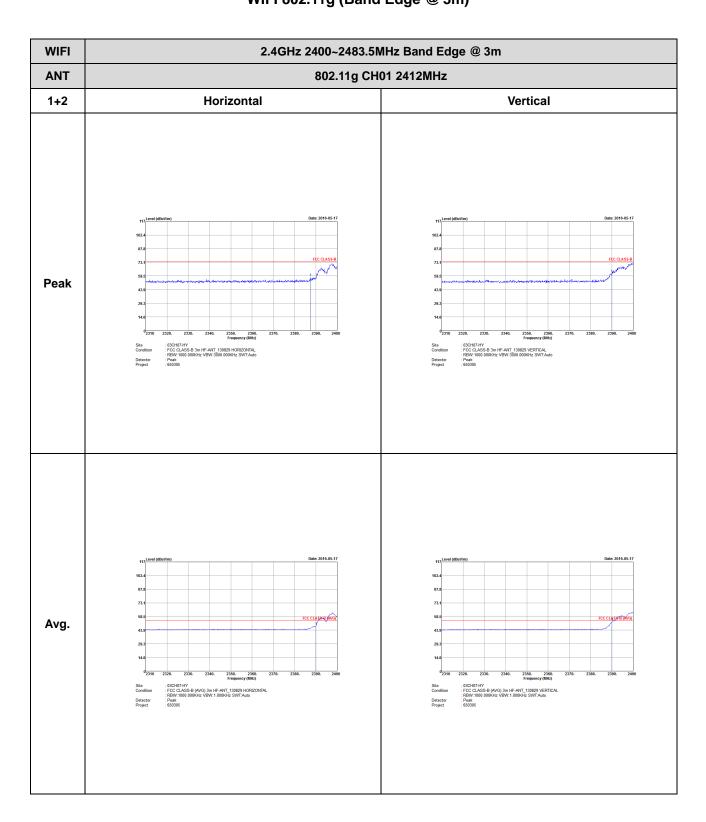
TEL: 886-3-327-3456 FAX: 886-3-328-4978



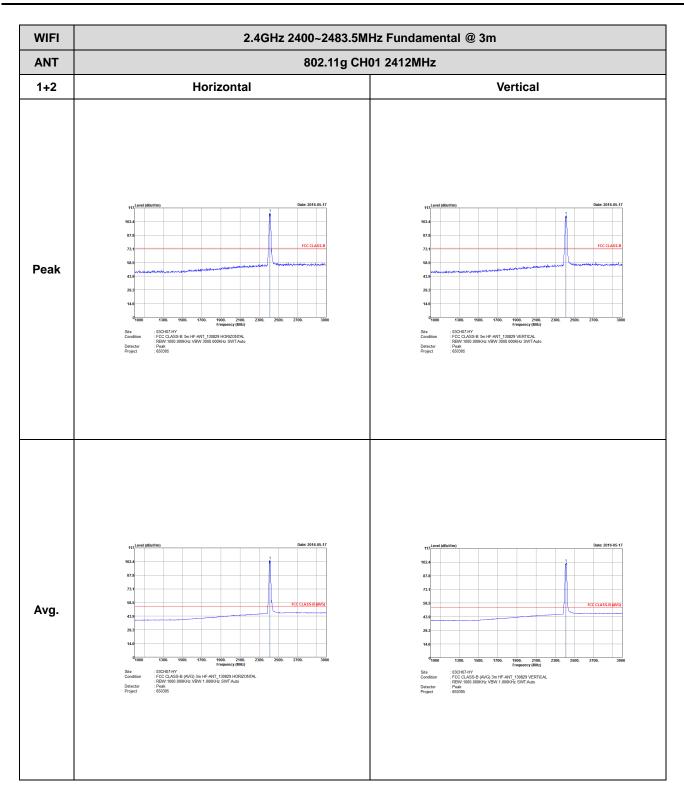




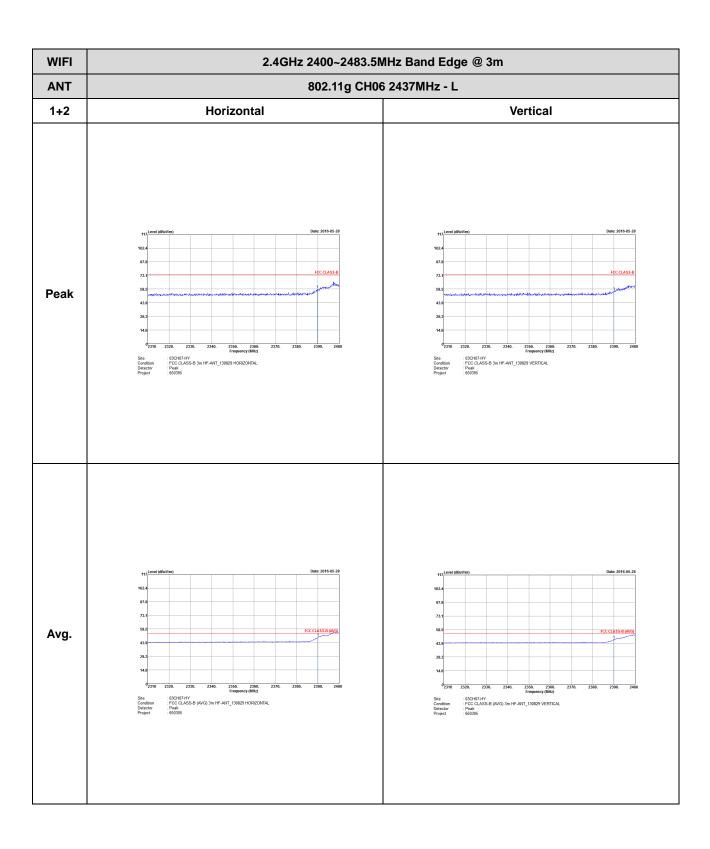
### 2.4GHz 2400~2483.5MHz WIFI 802.11g (Band Edge @ 3m)



TEL: 886-3-327-3456 FAX: 886-3-328-4978

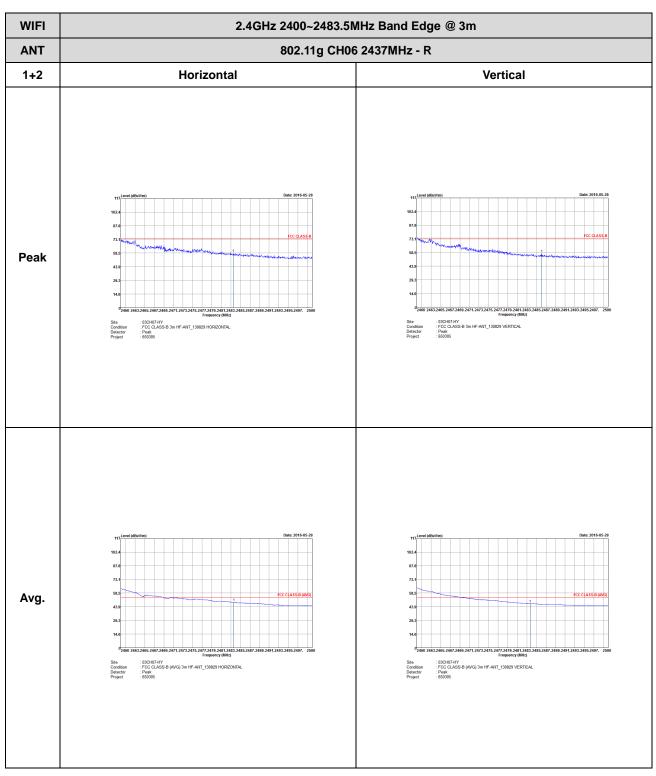


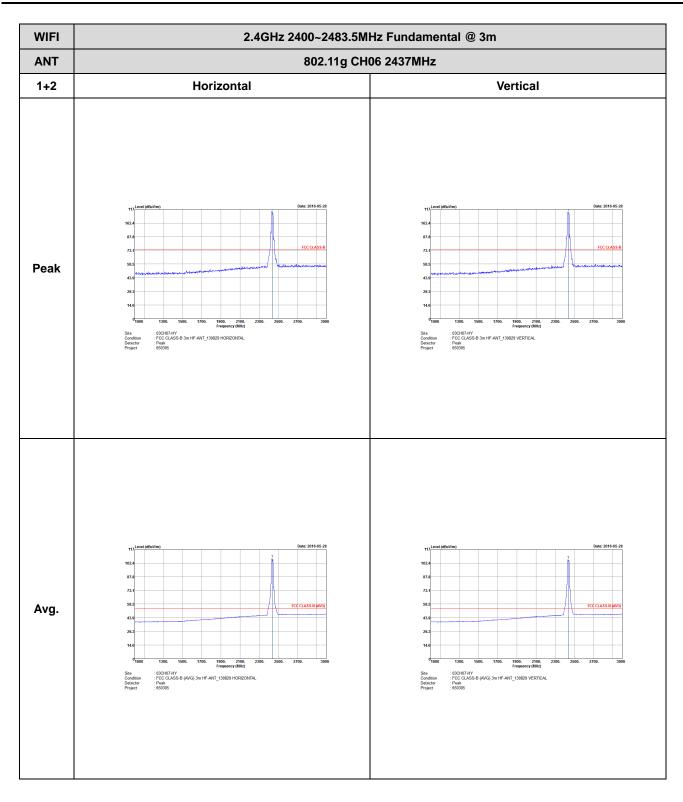
FCC RF Test Report

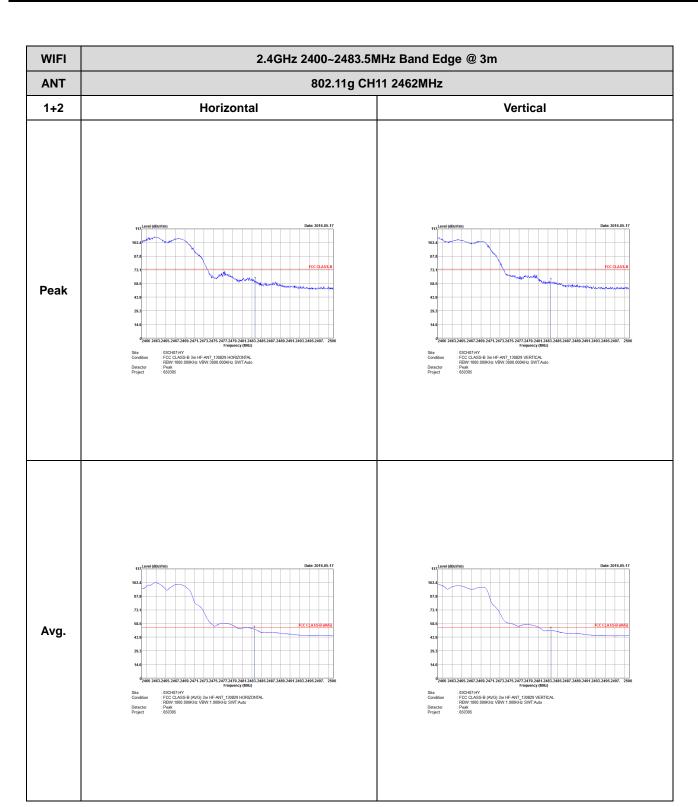


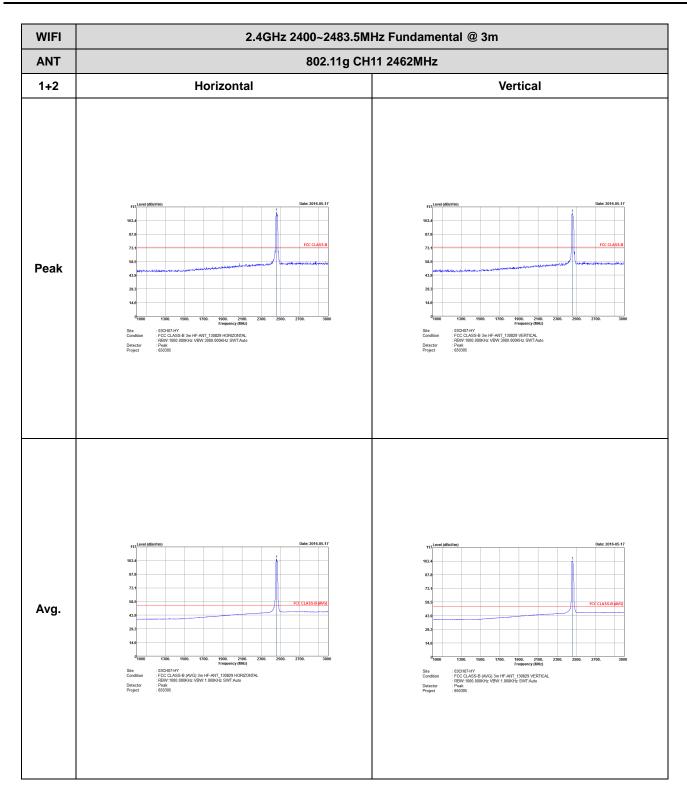
TEL: 886-3-327-3456 FAX: 886-3-328-4978



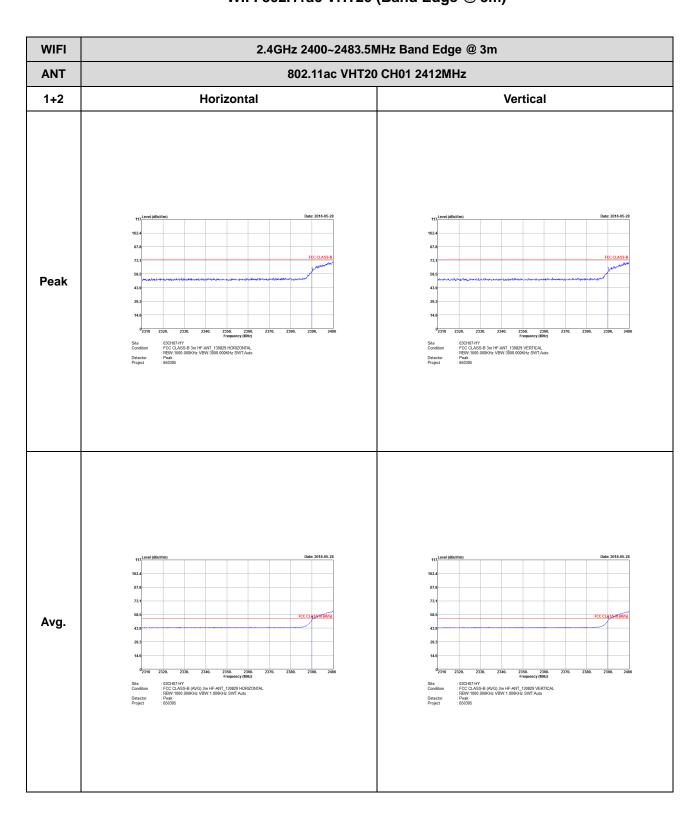




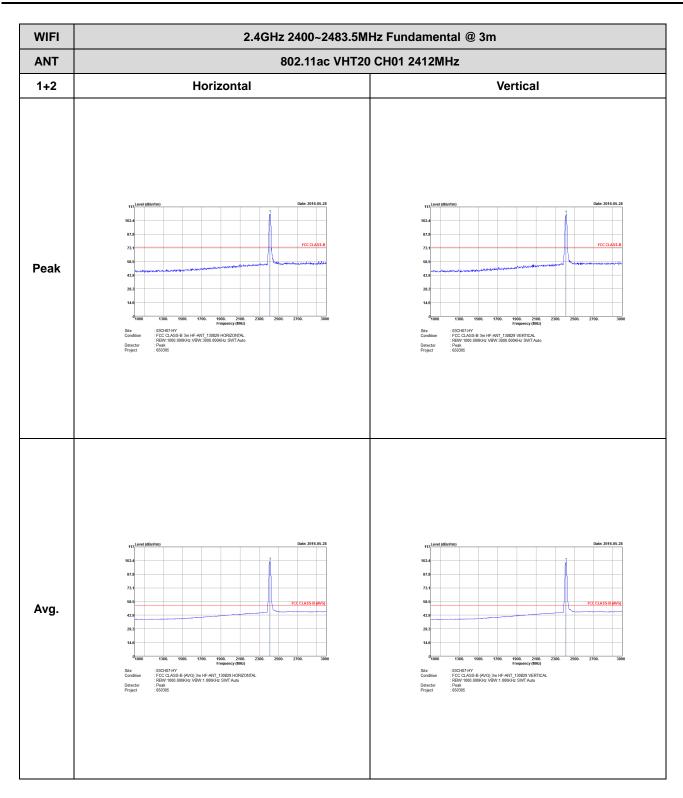




### 2.4GHz 2400~2483.5MHz WIFI 802.11ac VHT20 (Band Edge @ 3m)

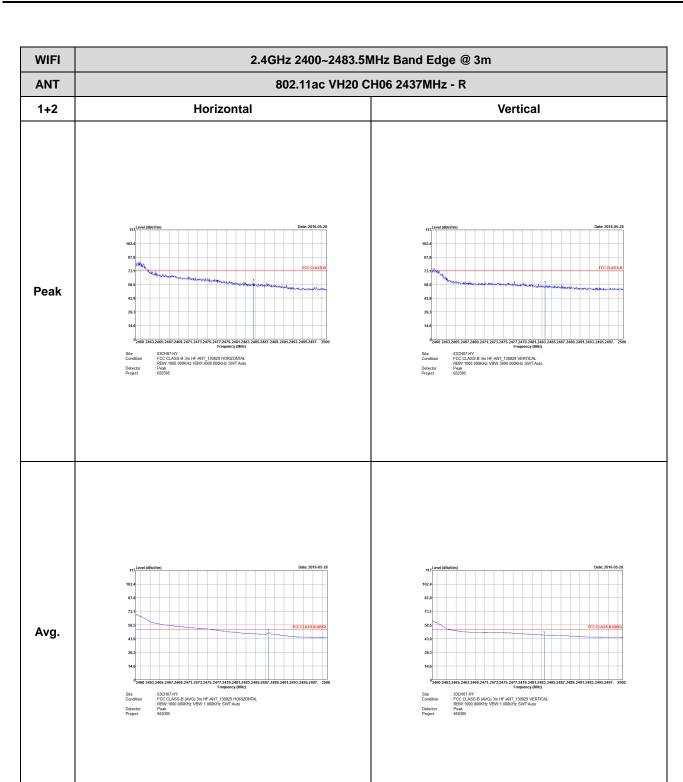


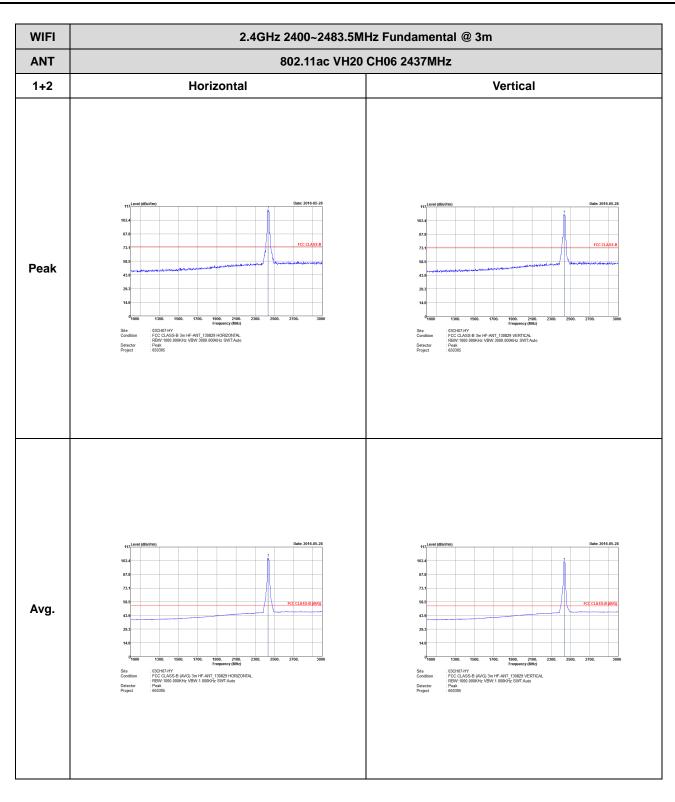
TEL: 886-3-327-3456 FAX: 886-3-328-4978



WIFI 2.4GHz 2400~2483.5MHz Band Edge @ 3m ANT 802.11ac VHT20 CH06 2437MHz - L 1+2 Horizontal **Vertical** Peak Avg.

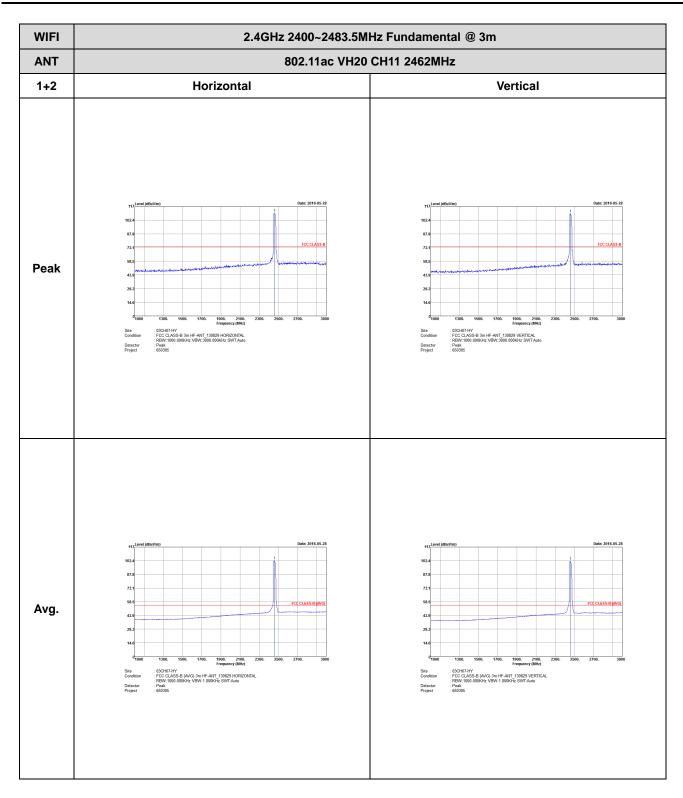
TEL: 886-3-327-3456 FAX: 886-3-328-4978



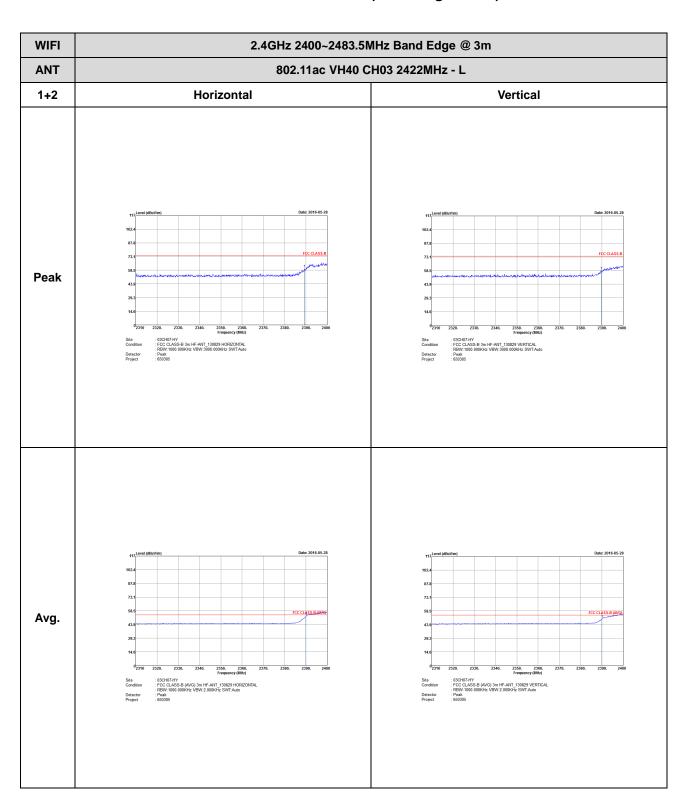


WIFI 2.4GHz 2400~2483.5MHz Band Edge @ 3m **ANT** 802.11ac VH20 CH11 2462MHz 1+2 Vertical Horizontal Peak : 03CH07-HY : FCC CLASS-B 3m HF-ANT\_130829 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto : Peak : 650305 Avg. : 03CH07-HY : FCC CLASS-B (AVG) 3m HF-ANT\_130829 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto : Peak : 650305 : 03CH07-HY : FCC CLASS-B (AVG) 3m HF-ANT\_130829 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto : Peak : 650305

TEL: 886-3-327-3456 FAX: 886-3-328-4978



## 2.4GHz 2400~2483.5MHz WIFI 802.11ac VHT40 (Band Edge @ 3m)



TEL: 886-3-327-3456 FAX: 886-3-328-4978

WIFI 2.4GHz 2400~2483.5MHz Band Edge @ 3m **ANT** 802.11ac VH40 CH03 2422MHz - R 1+2 Vertical Horizontal Peak Avg. Frequency (MHz)

O3CH07-HY

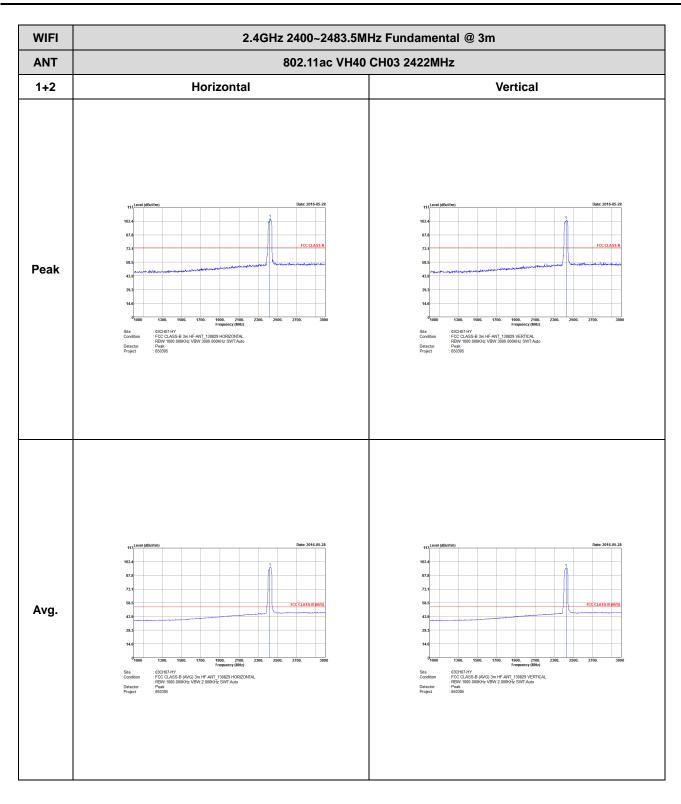
FCC CLASS-B (AVG) 3m HF-ANT\_130829 HORIZONTAL

RBW-1000 000KHz VBW-2 000KHz SWT-Auto

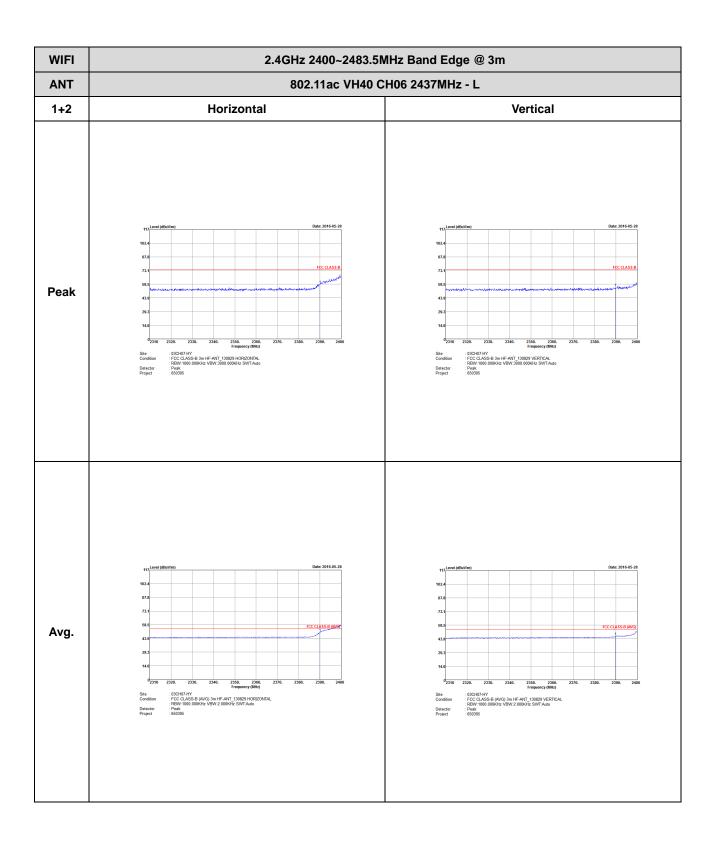
Peak

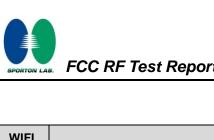
650305 : 03CH07-HY : FCC CLASS-B (AVG) 3m HF-ANT\_130829 VERTICAL : RBW:1000.000KHz VBW:2.000KHz SWT:Auto : Peak : 650305

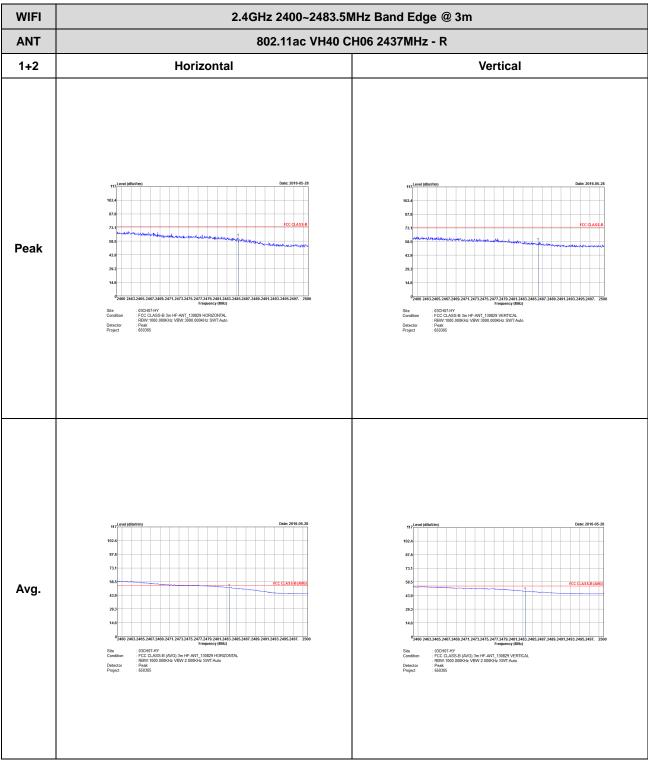
TEL: 886-3-327-3456 FAX: 886-3-328-4978

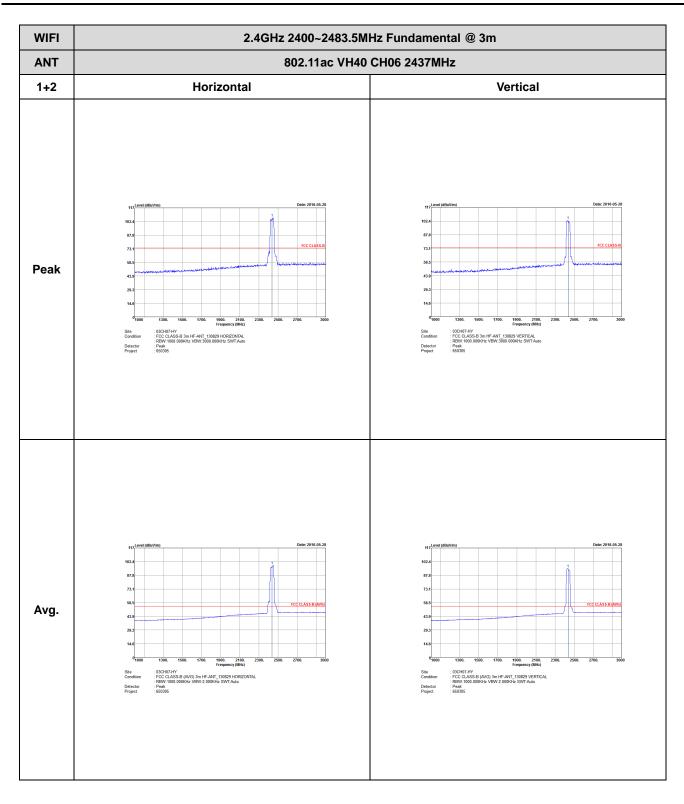




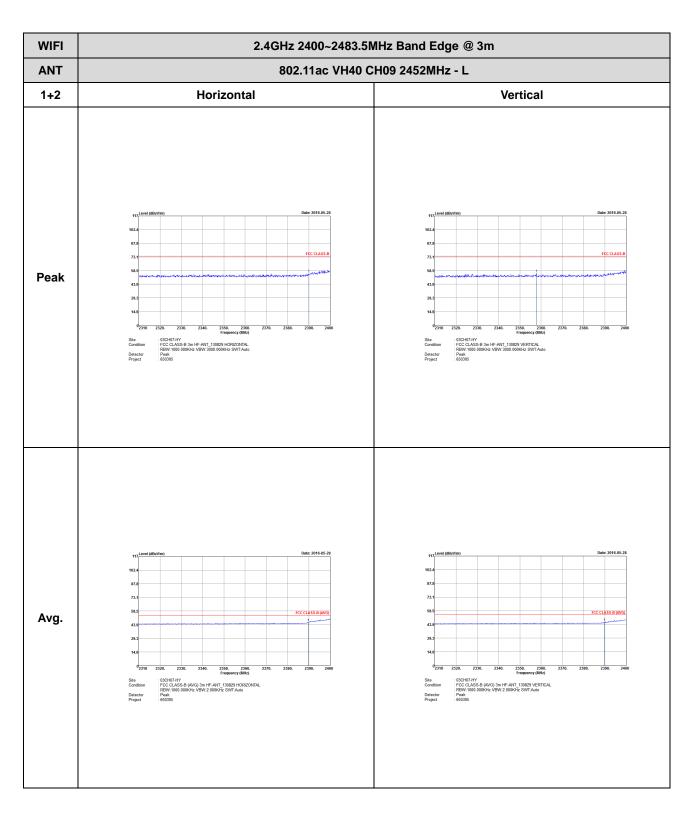








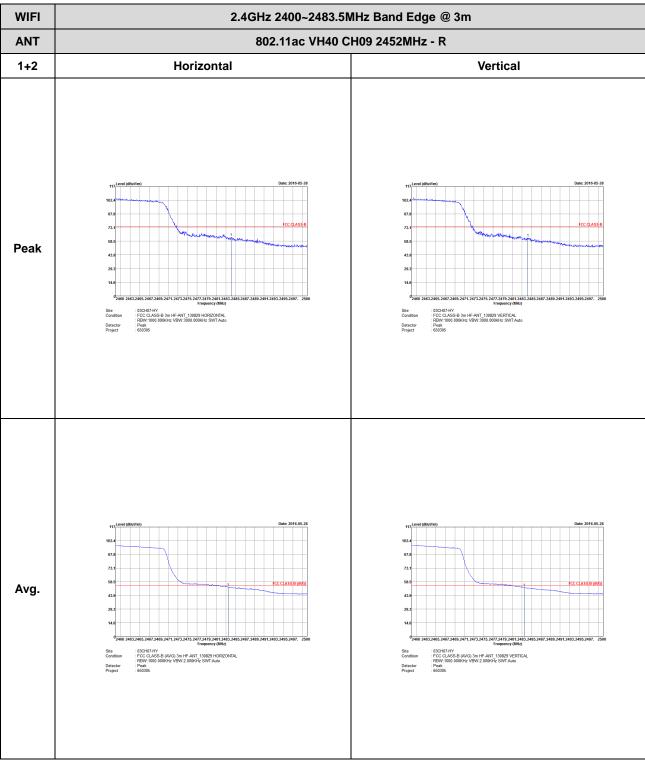
TON LAB. FCC RF Test Report



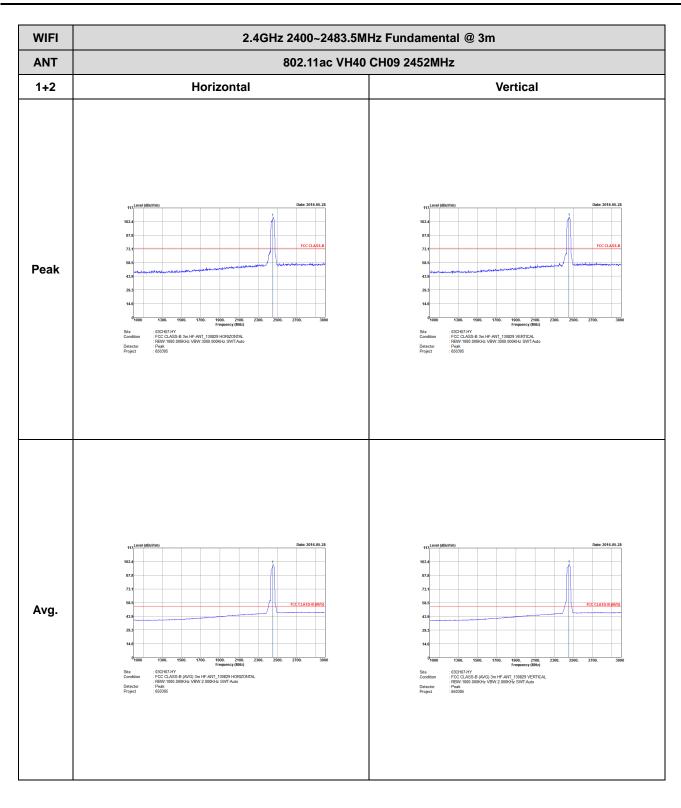
TEL: 886-3-327-3456 FAX: 886-3-328-4978

WIFI 2.4GHz 2400~2483.

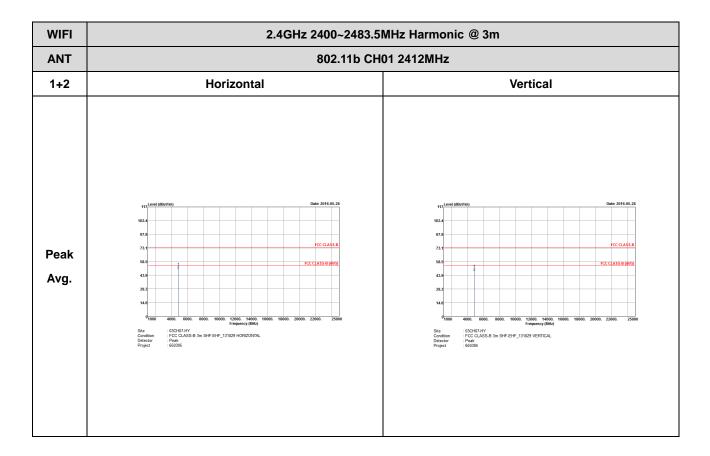
ANT 802.11ac VH40



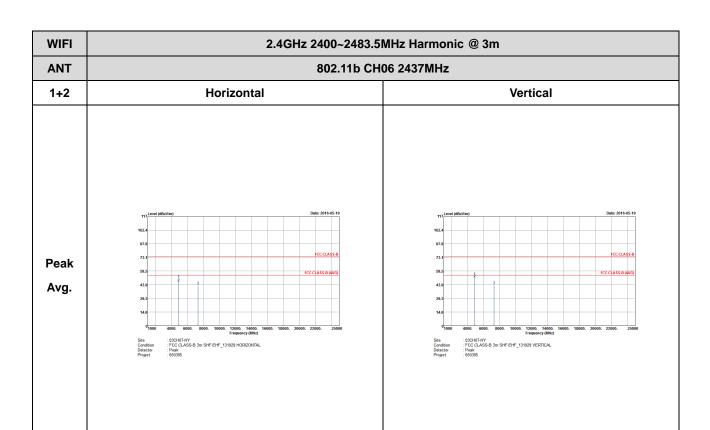
TEL: 886-3-327-3456 FAX: 886-3-328-4978



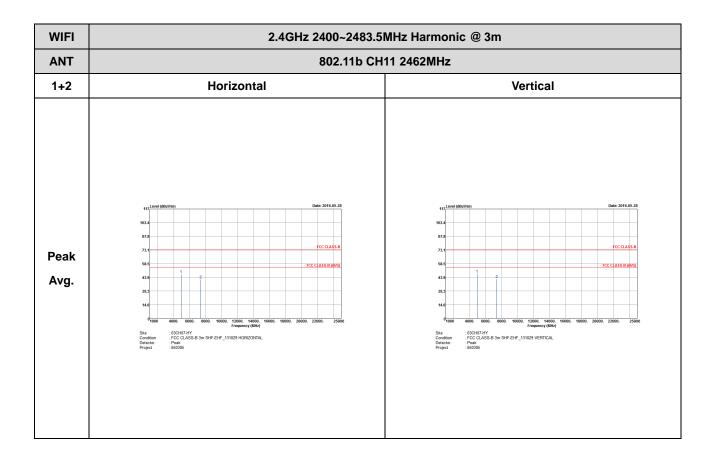
### WIFI 802.11b (Harmonic @ 3m)



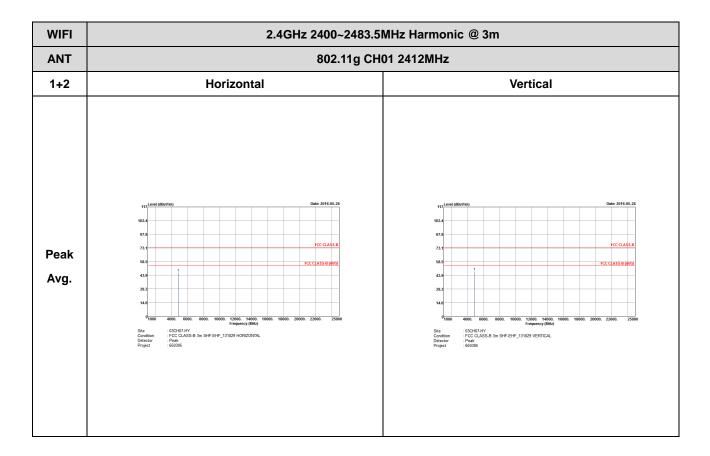
TEL: 886-3-327-3456 FAX: 886-3-328-4978



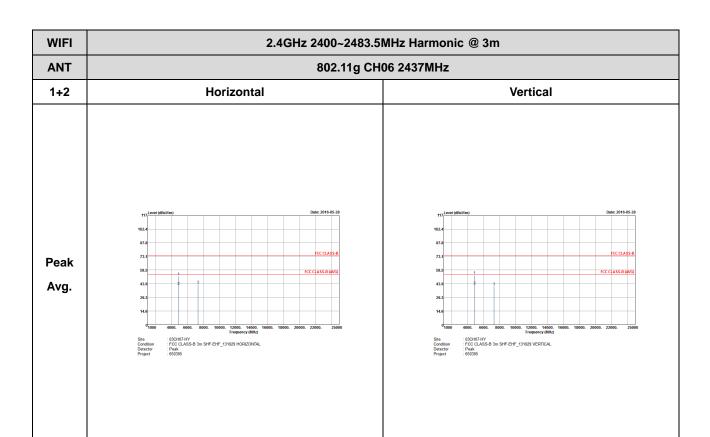


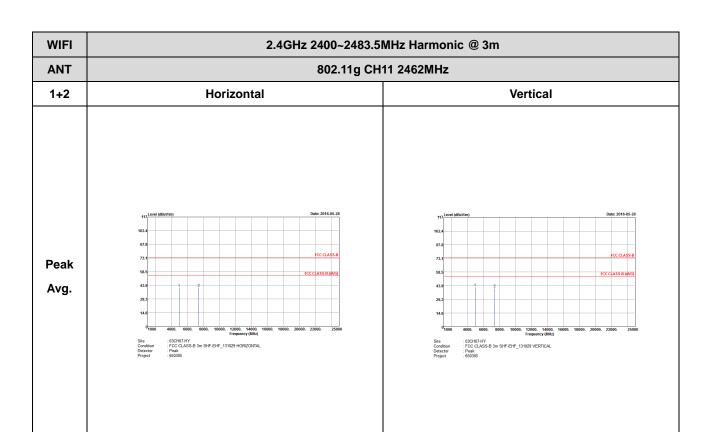


### WIFI 802.11g (Harmonic @ 3m)

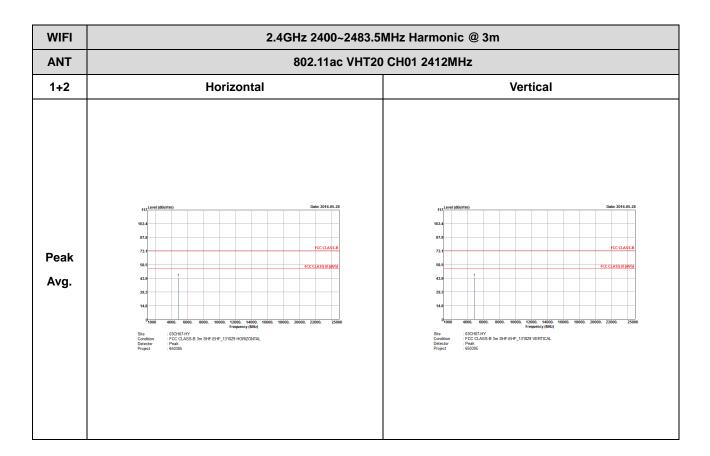


TEL: 886-3-327-3456 FAX: 886-3-328-4978

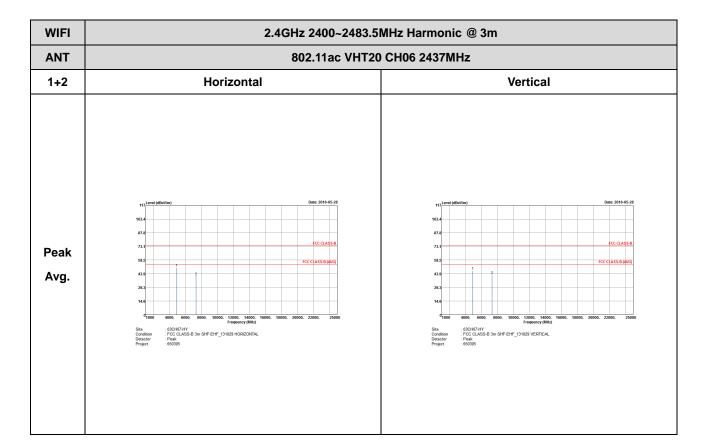


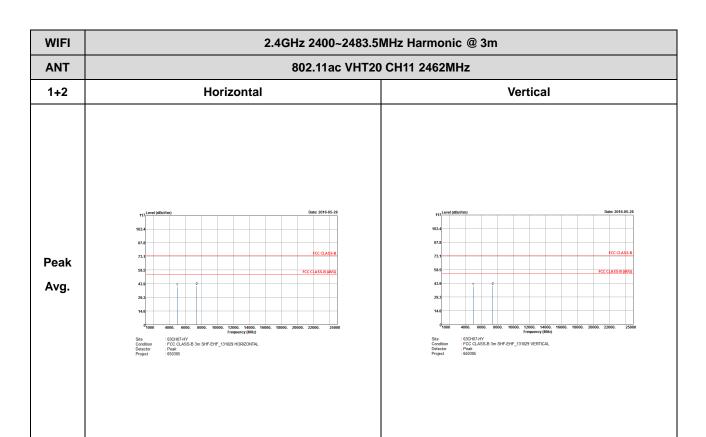


## 2.4GHz 2400~2483.5MHz WIFI 802.11ac VHT20 (Harmonic @ 3m)

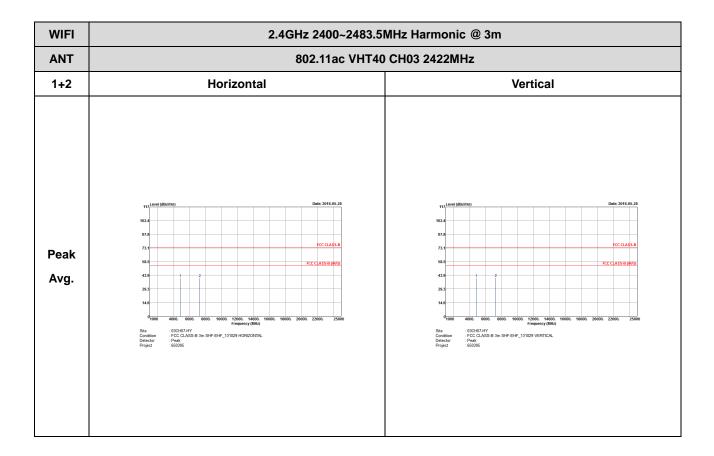


TEL: 886-3-327-3456 FAX: 886-3-328-4978

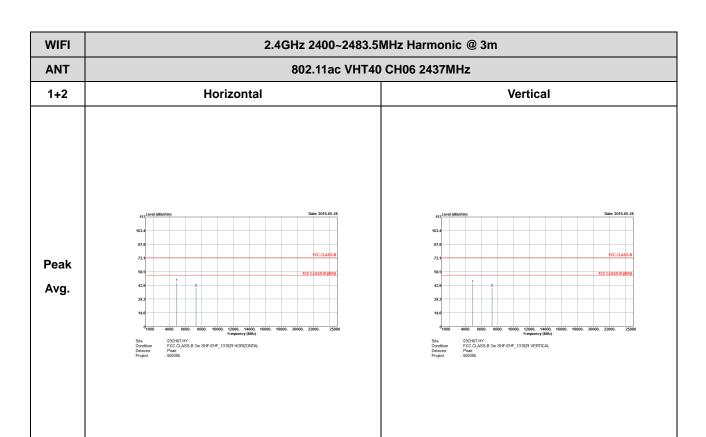




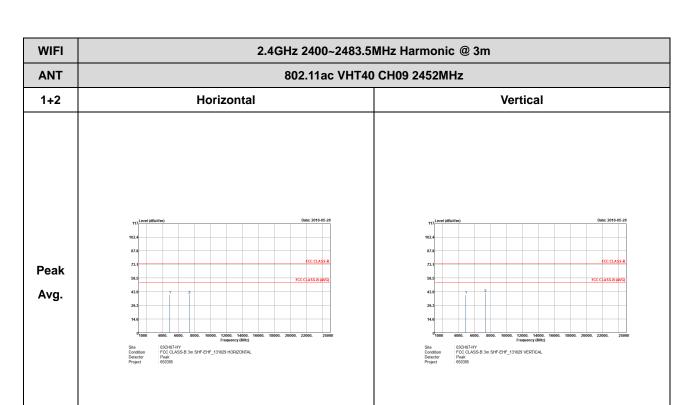
## 2.4GHz 2400~2483.5MHz WIFI 802.11ac VHT40 (Harmonic @ 3m)



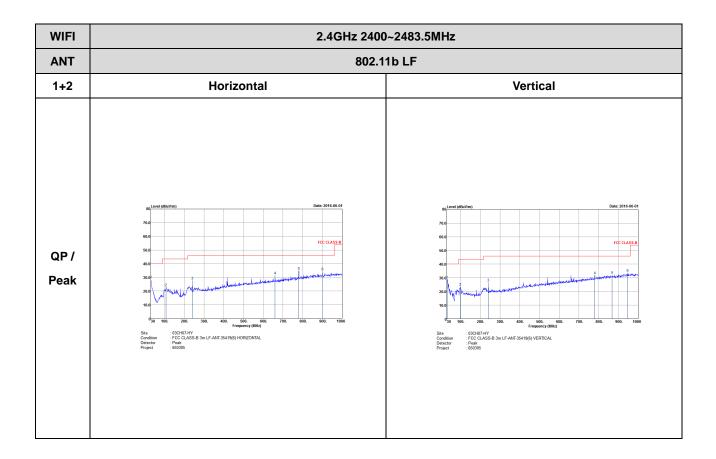
TEL: 886-3-327-3456 FAX: 886-3-328-4978



: C4-41 of 46



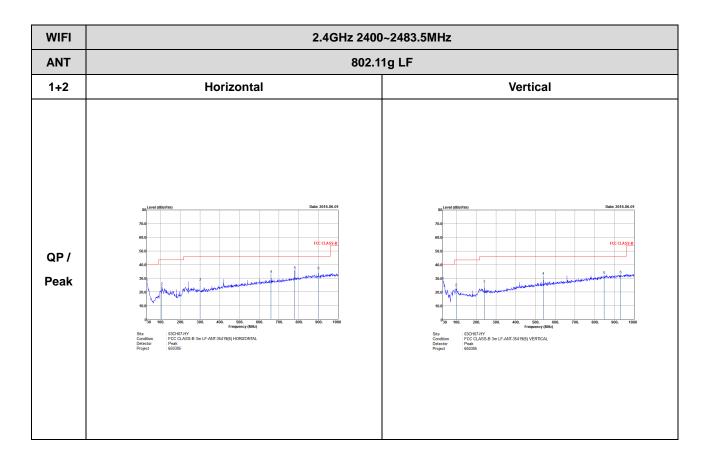
### Emission below 1GHz 2.4GHz WIFI 802.11b (LF)



TEL: 886-3-327-3456 FAX: 886-3-328-4978

# Emission below 1GHz

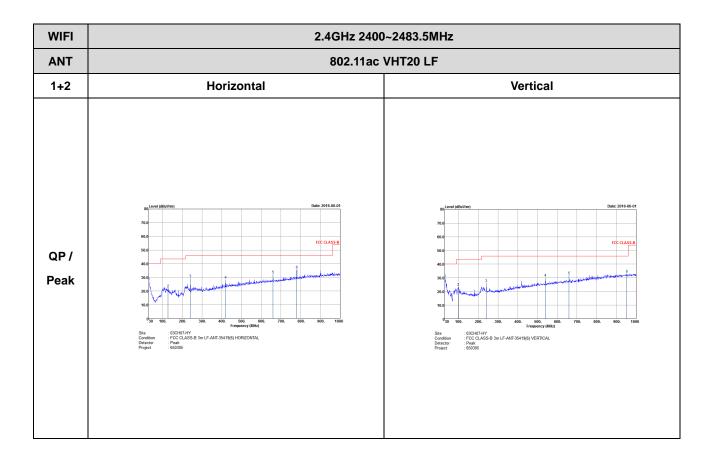
### 2.4GHz WIFI 802.11g (LF)



TEL: 886-3-327-3456 FAX: 886-3-328-4978

Report No.: FR650305C

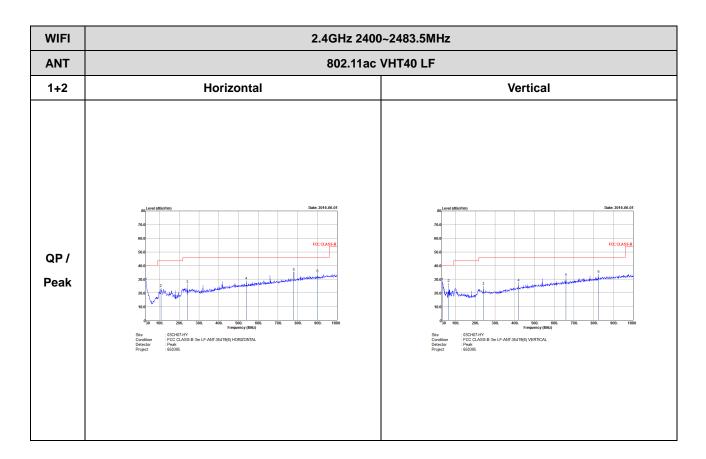
### Emission below 1GHz 2.4GHz WIFI 802.11ac VHT20 (LF)



TEL: 886-3-327-3456 FAX: 886-3-328-4978

Report No.: FR650305C

### Emission below 1GHz 2.4GHz WIFI 802.11ac VHT40 (LF)



TEL: 886-3-327-3456 FAX: 886-3-328-4978



# Appendix D. Duty Cycle Plots

### <Non-TXBF Modes>

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1	802.11b	98.85	1	-	10Hz
2	802.11b	98.62	•	-	10Hz
1+2	2.4GHz 802.11b for Ant 1	98.85	-	-	10Hz
1+2	2.4GHz 802.11b for Ant 2	98.62	-	-	10Hz
1+2	2.4GHz 802.11g for Ant 1	92.86	1430	0.699300699	1kHz
1+2	2.4GHz 802.11g for Ant 2	92.86	1430	0.699300699	1kHz
1+2	2.4GHz 802.11ac VHT20 for Ant 1	93.1	1350	0.740740741	1kHz
1+2	2.4GHz 802.11ac VHT20 for Ant 2	93.1	1350	0.740740741	1kHz
1+2	2.4GHz 802.11ac VHT40 for Ant 1	85.94	660	1.515151515	2kHz
1+2	2.4GHz 802.11ac VHT40 for Ant 2	85.9	670	1.492537313	2kHz

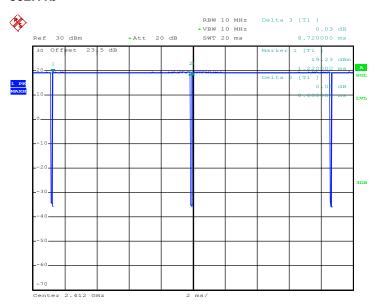
TEL: 886-3-327-3456 FAX: 886-3-328-4978



### FCC RF Test Report

### **SISO <Ant. 1>**

### 802.11b



Date: 1.JUN.2016 23:49:39

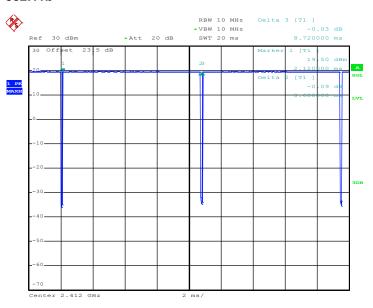
TEL: 886-3-327-3456 FAX: 886-3-328-4978



### FCC RF Test Report

### SISO <Ant. 2>

### 802.11b

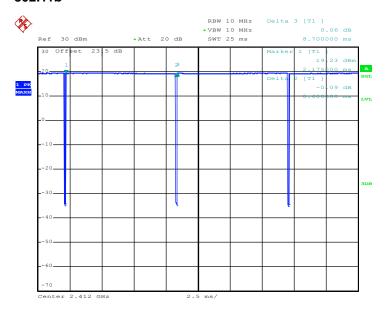


Date: 1.JUN.2016 23:51:28

TEL: 886-3-327-3456 FAX: 886-3-328-4978

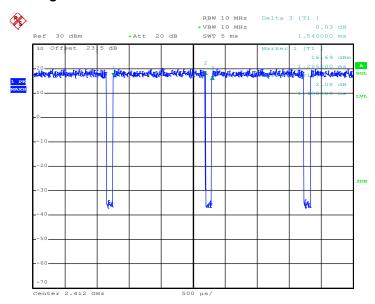
### MIMO <Ant. 1+2(1)>

### 802.11b



Date: 2.JUN.2016 00:00:13

### 802.11g



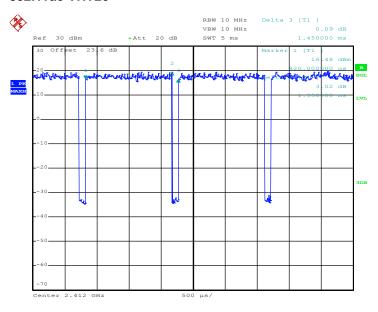
Date: 2.JUN.2016 00:06:47

TEL: 886-3-327-3456 FAX: 886-3-328-4978



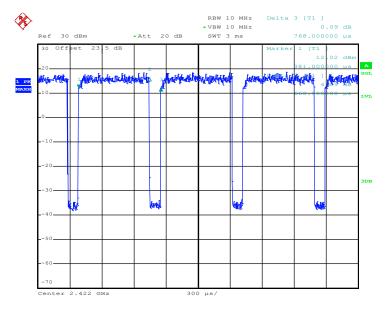
### Report No.: FR650305C





Date: 6.JUN.2016 15:51:39

### 802.11ac VHT40



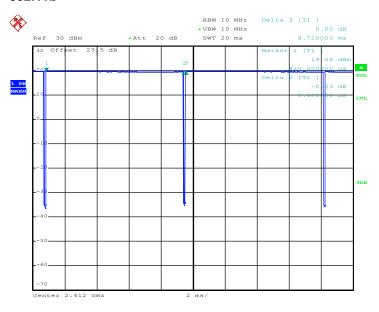
Date: 2.JUN.2016 03:07:02

TEL: 886-3-327-3456 FAX: 886-3-328-4978



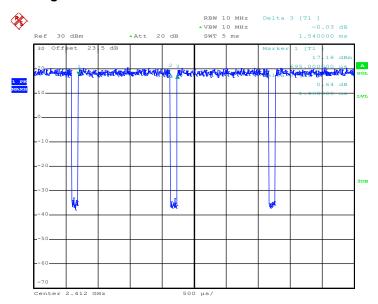
### MIMO <Ant. 1+2(2)>

### 802.11b



Date: 2.JUN.2016 00:01:25

### 802.11g

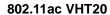


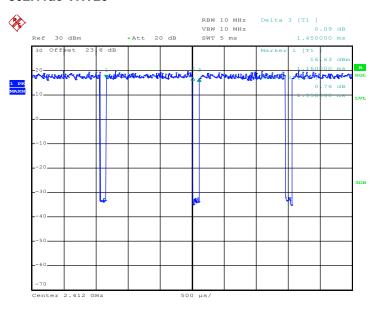
Date: 2.JUN.2016 00:05:50

TEL: 886-3-327-3456 FAX: 886-3-328-4978



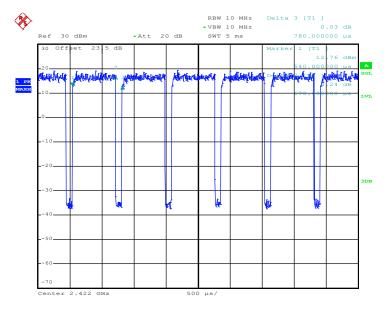
### Report No.: FR650305C





Date: 6.JUN.2016 15:51:15

### 802.11ac VHT40



Date: 2.JUN.2016 03:07:56

TEL: 886-3-327-3456 FAX: 886-3-328-4978



### FCC RF Test Report

### <TXBF Modes>

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1+2	2.4GHz 802.11ac VHT20	80.35	1268	0.788643533	1kHz
1+2	2.4GHz 802.11ac VHT40	57.33	430	2.325581395	3kHz

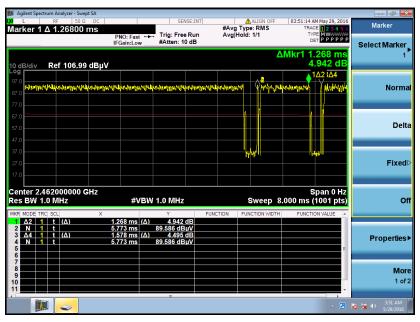
TEL: 886-3-327-3456 FAX: 886-3-328-4978



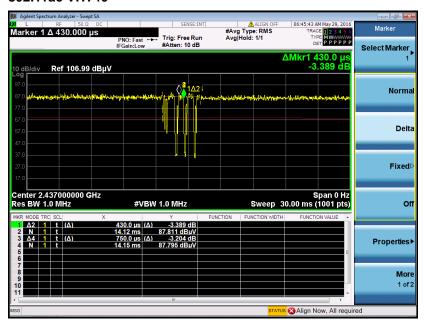
Report No.: FR650305C

#### MIMO < Ant. 1+2>

#### 802.11ac VHT20



#### 802.11ac VHT40



TEL: 886-3-327-3456 FAX: 886-3-328-4978