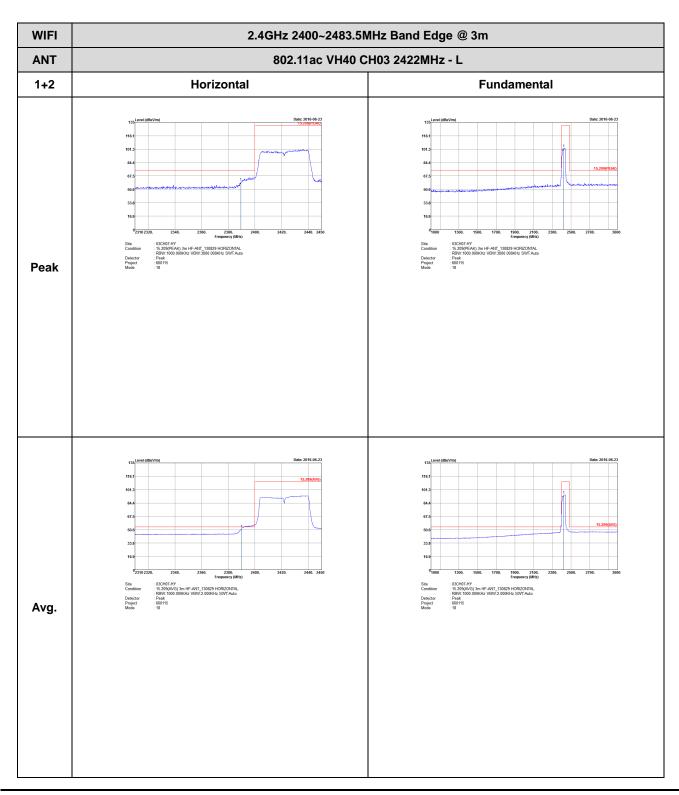
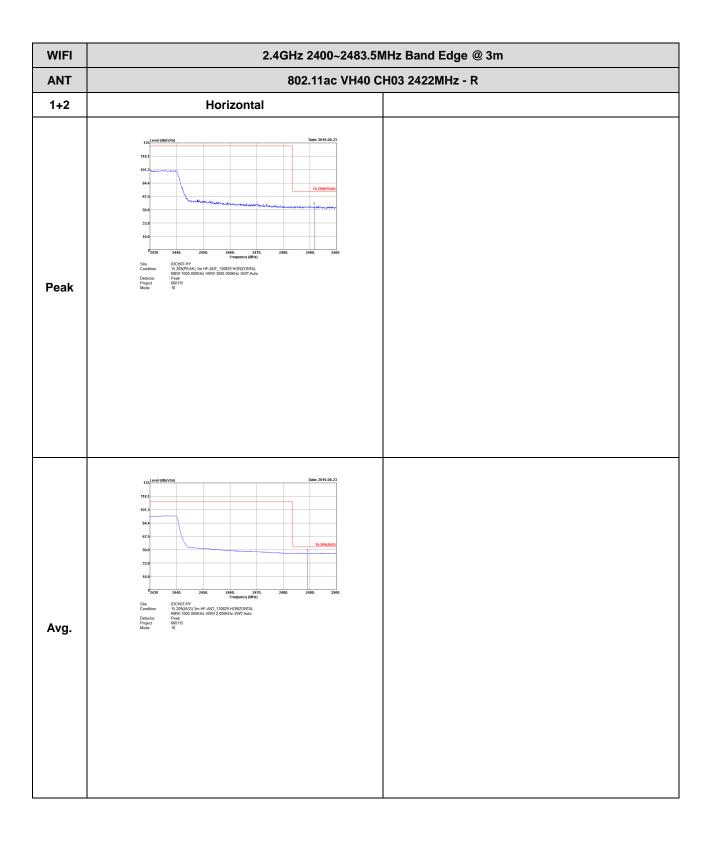
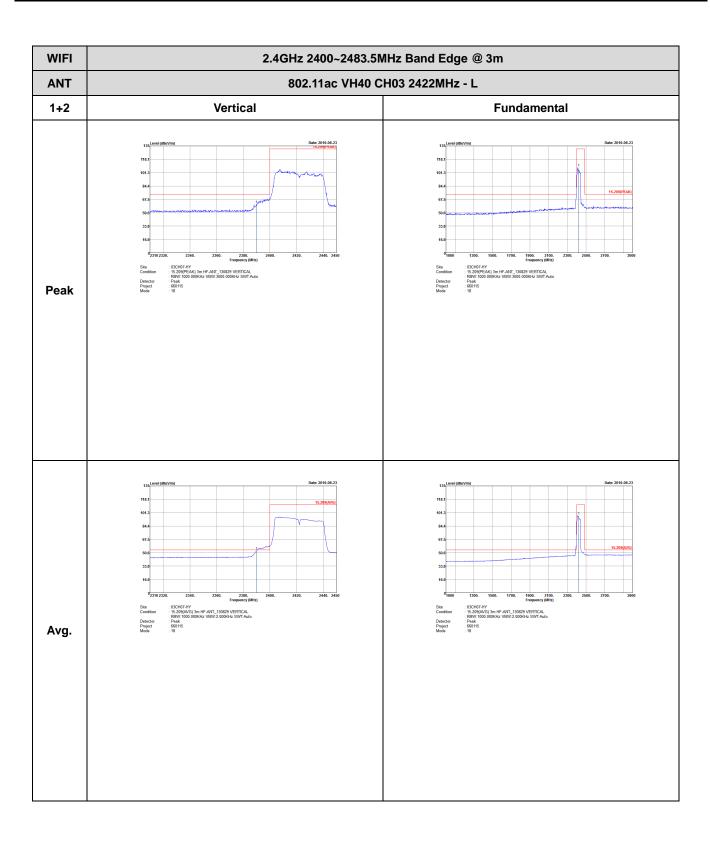
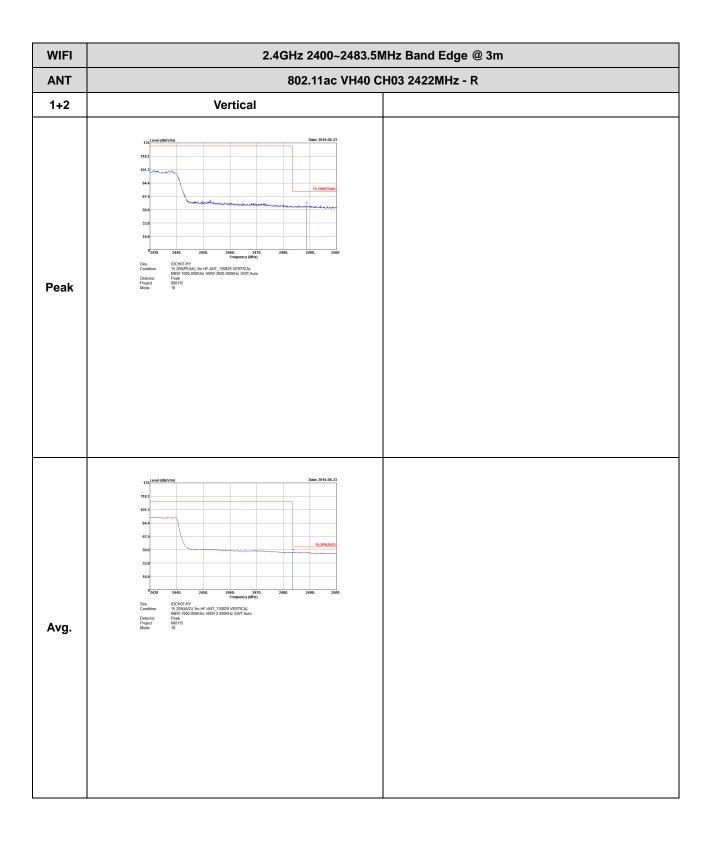
# 2.4GHz 2400~2483.5MHz WIFI 802.11ac VHT40 (Band Edge @ 3m)

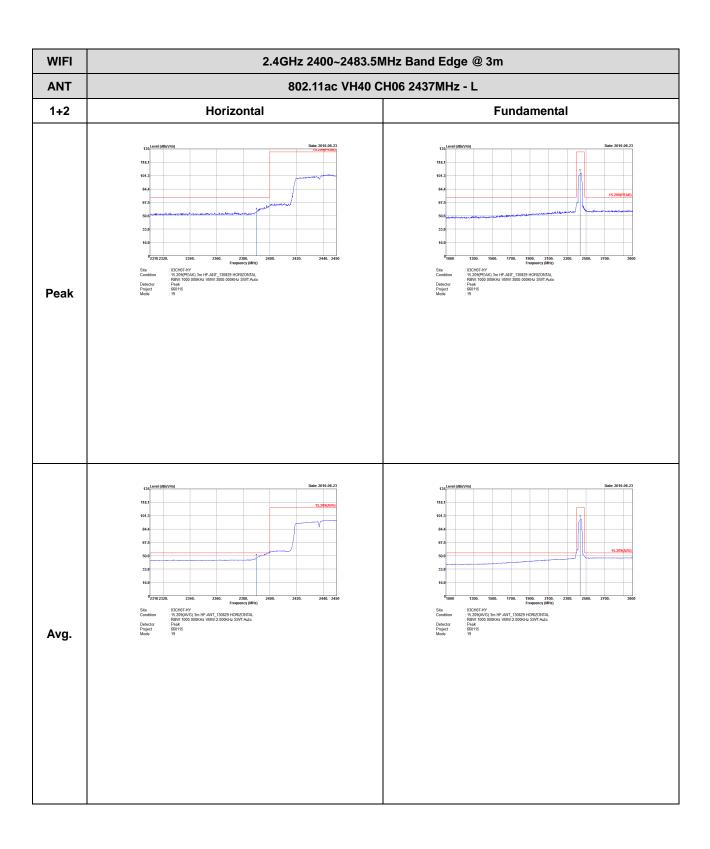


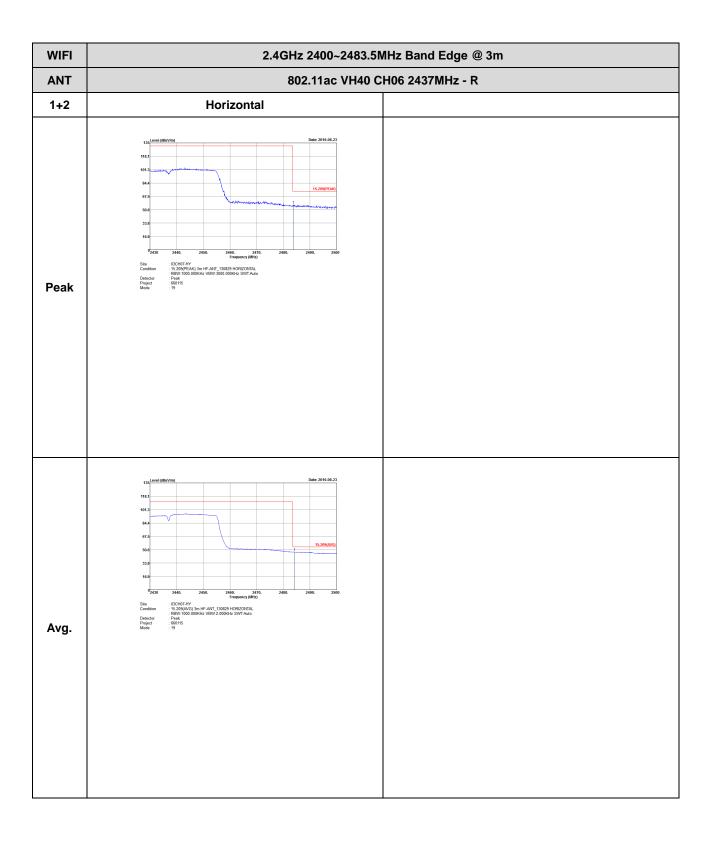
TEL: 886-3-327-3456 FAX: 886-3-328-4978

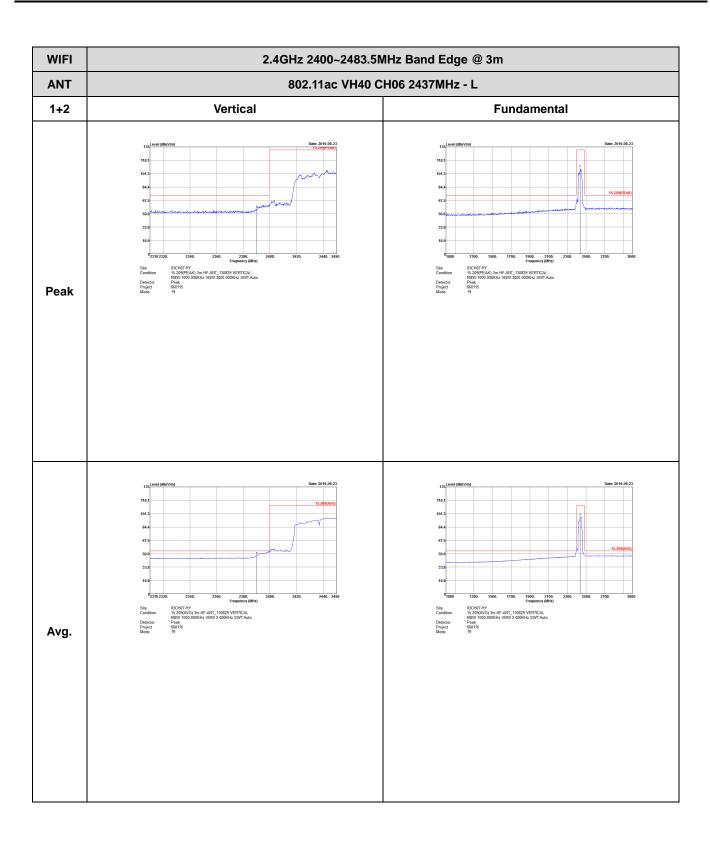


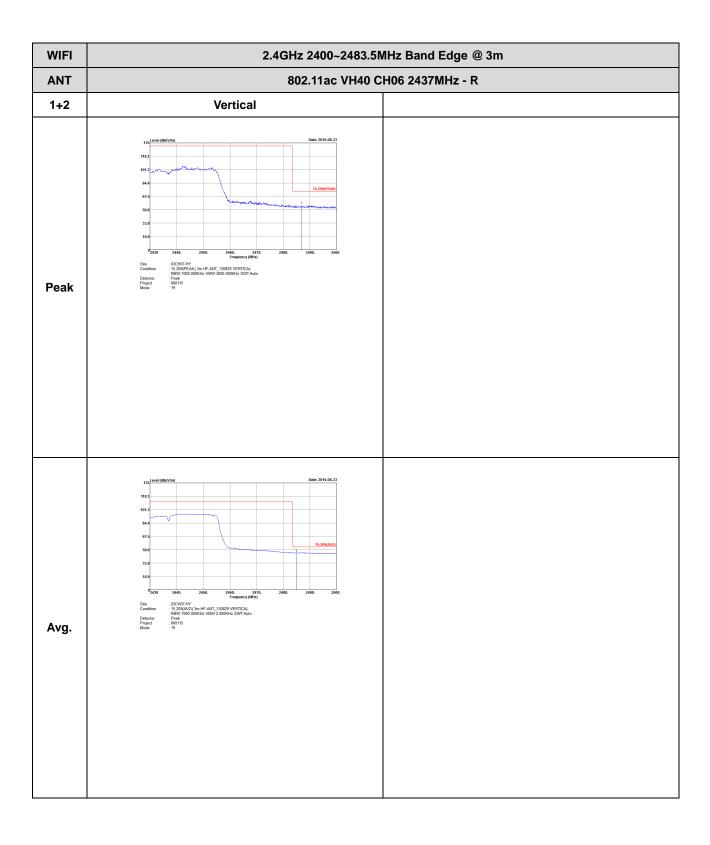


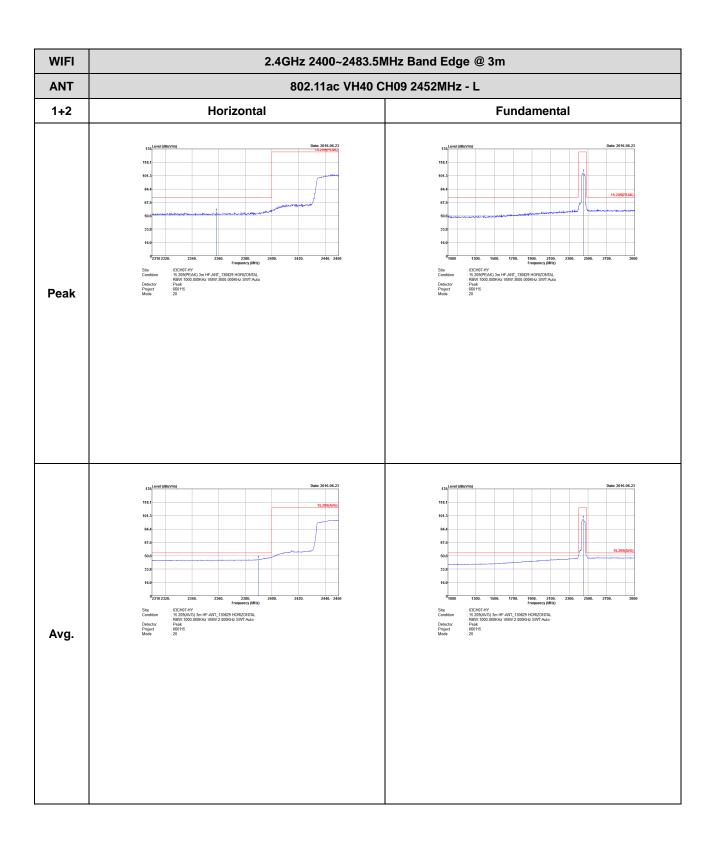


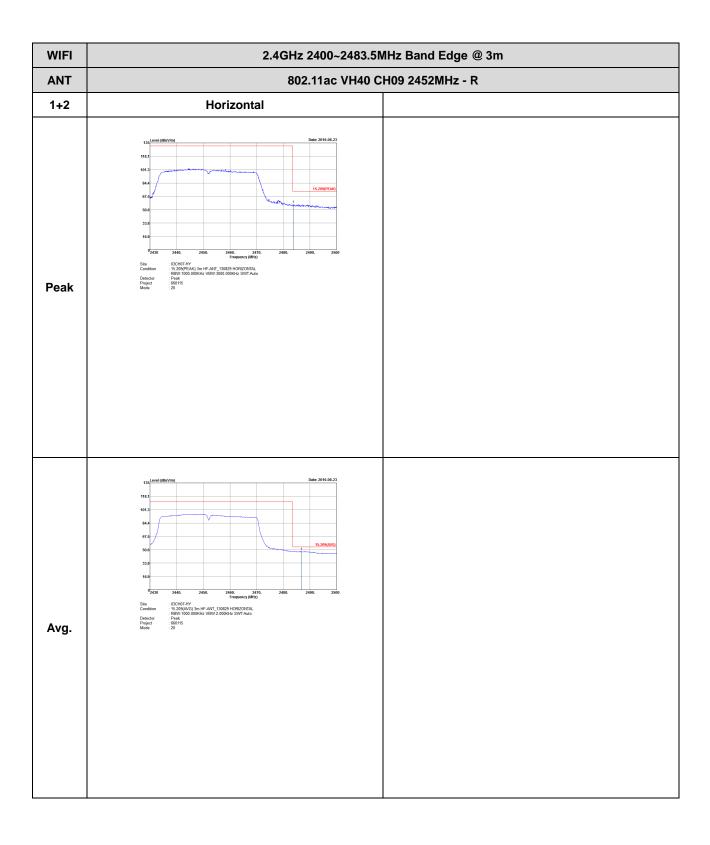


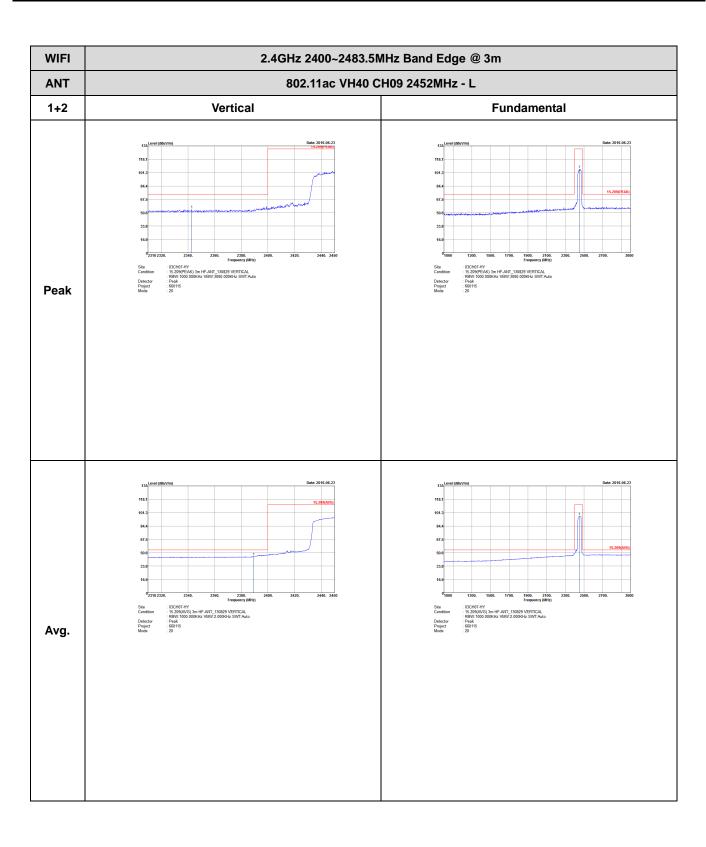


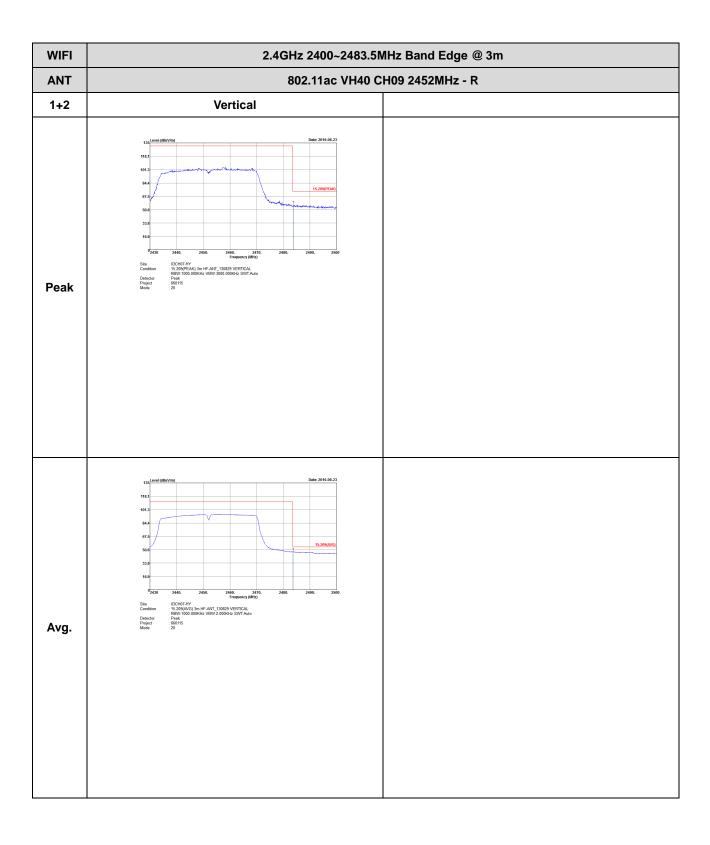




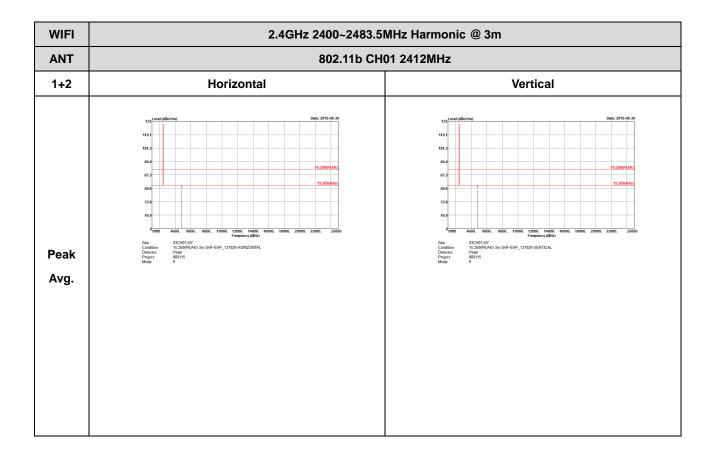




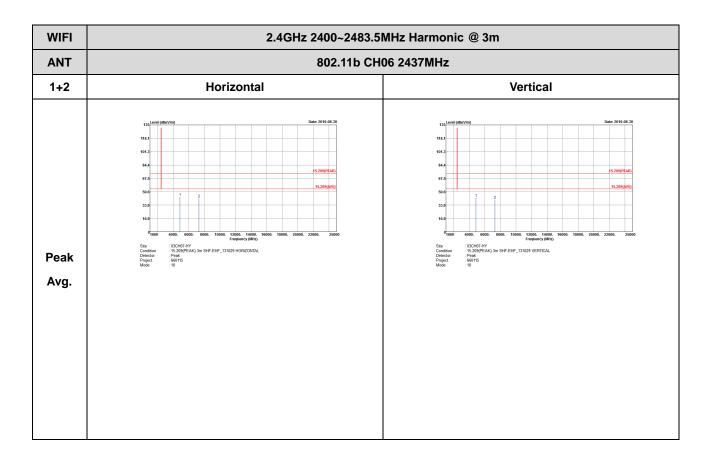


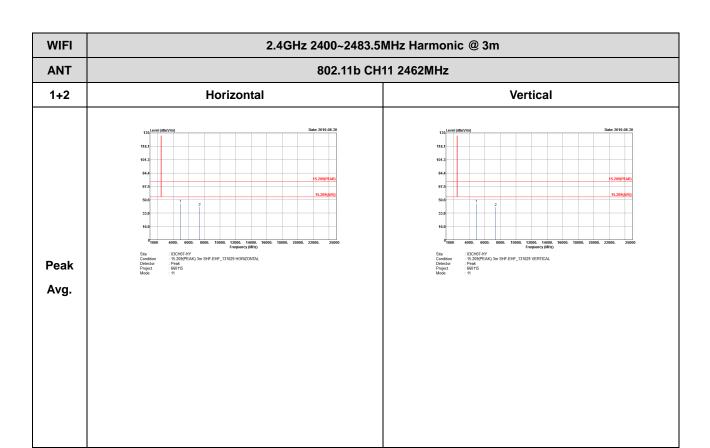


# WIFI 802.11b (Harmonic @ 3m)

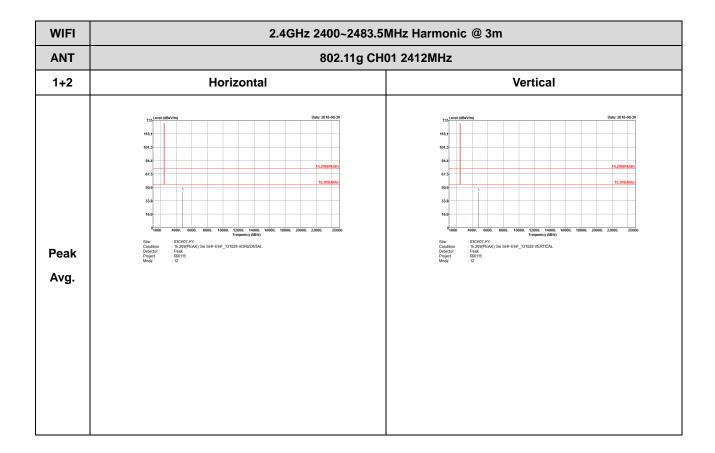


TEL: 886-3-327-3456 FAX: 886-3-328-4978

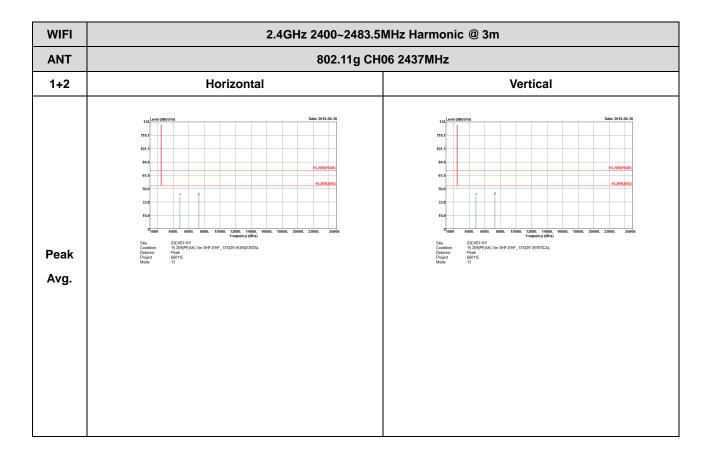


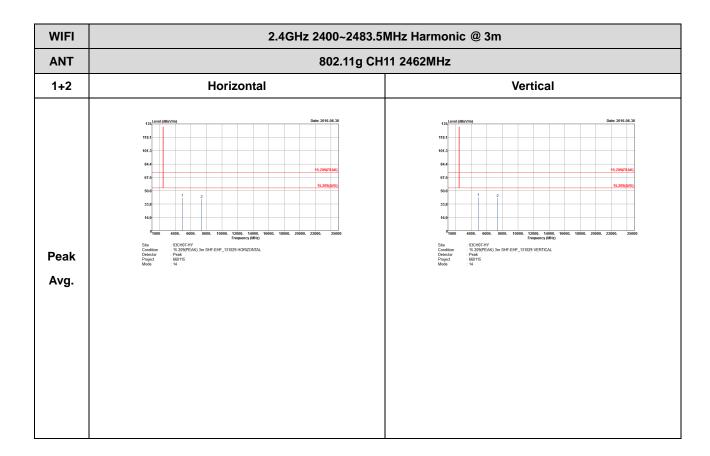


#### WIFI 802.11g (Harmonic @ 3m)

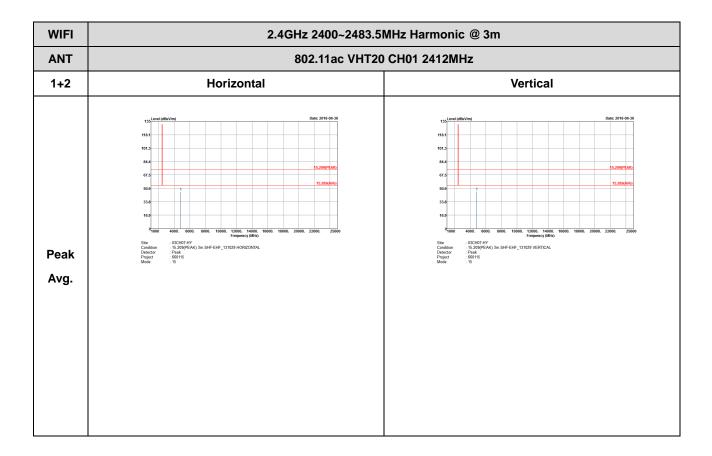


TEL: 886-3-327-3456 FAX: 886-3-328-4978

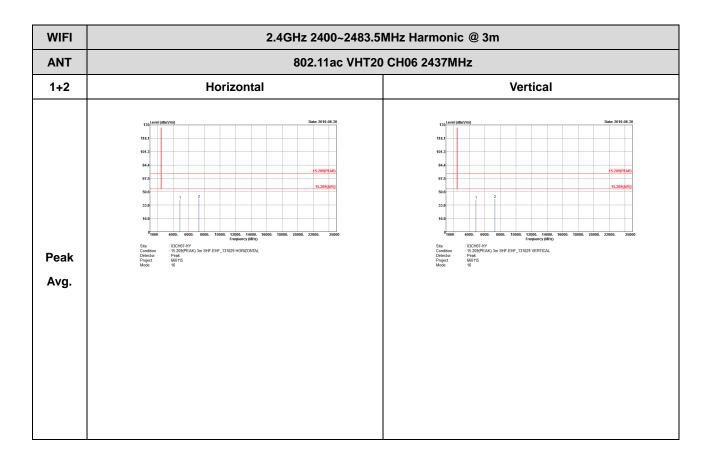


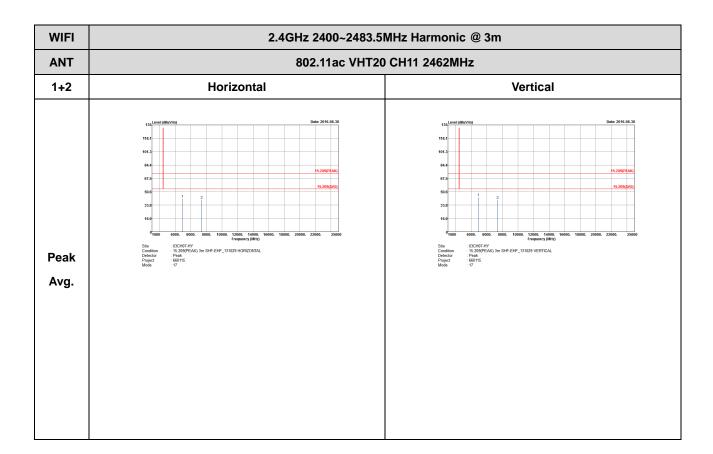


#### WIFI 802.11ac VHT20 (Harmonic @ 3m)

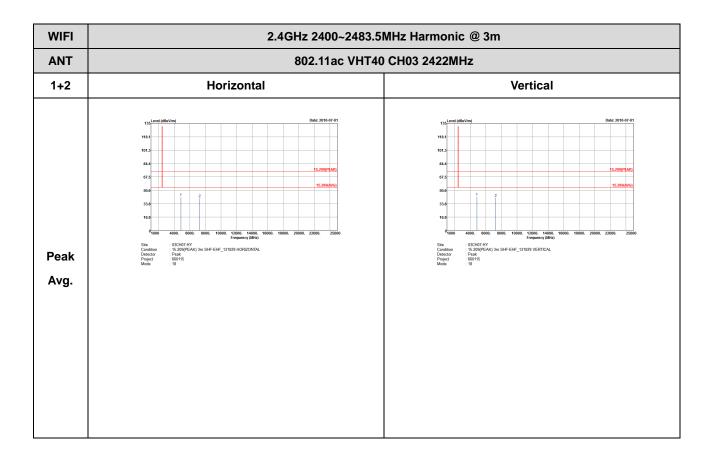


TEL: 886-3-327-3456 FAX: 886-3-328-4978

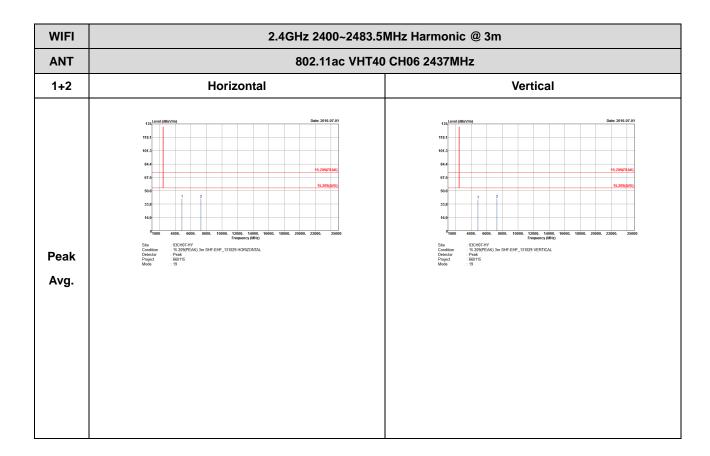


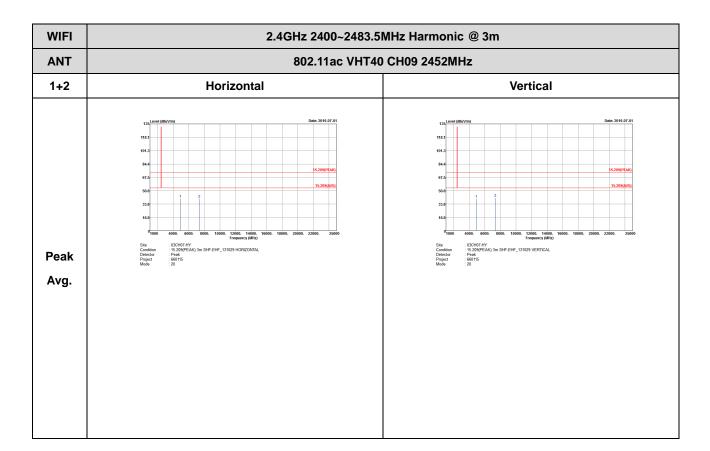


#### WIFI 802.11ac VHT40 (Harmonic @ 3m)



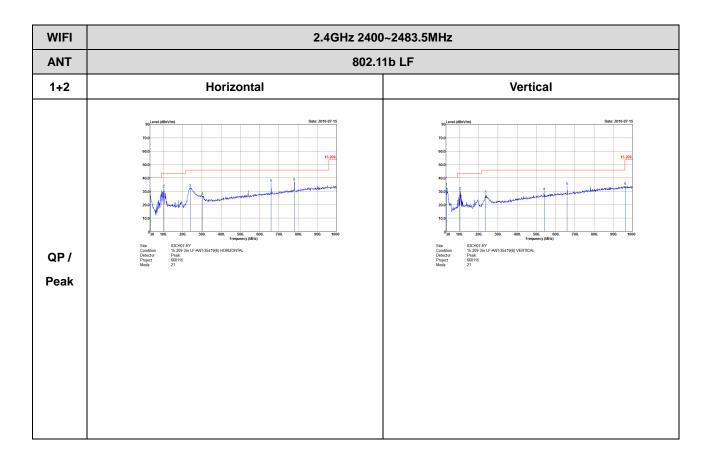
TEL: 886-3-327-3456 FAX: 886-3-328-4978





#### **Emission below 1GHz**

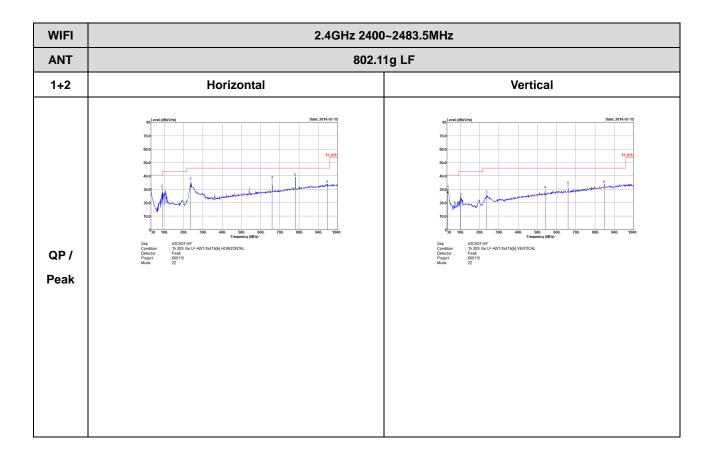
# 2.4GHz WIFI 802.11b (LF)



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

#### **Emission below 1GHz**

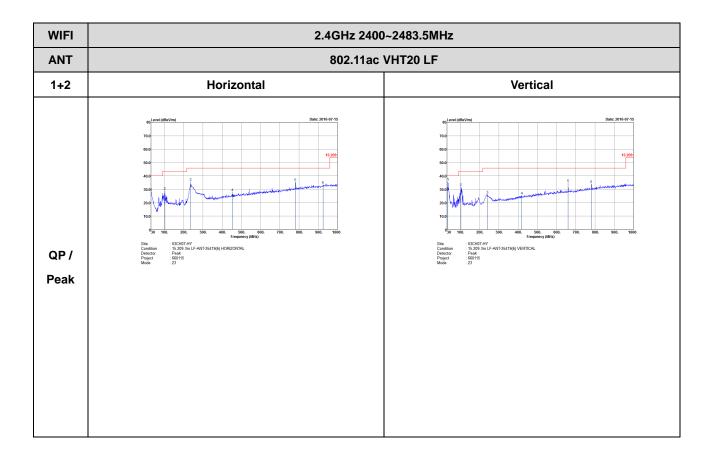
# 2.4GHz WIFI 802.11g (LF)



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

#### **Emission below 1GHz**

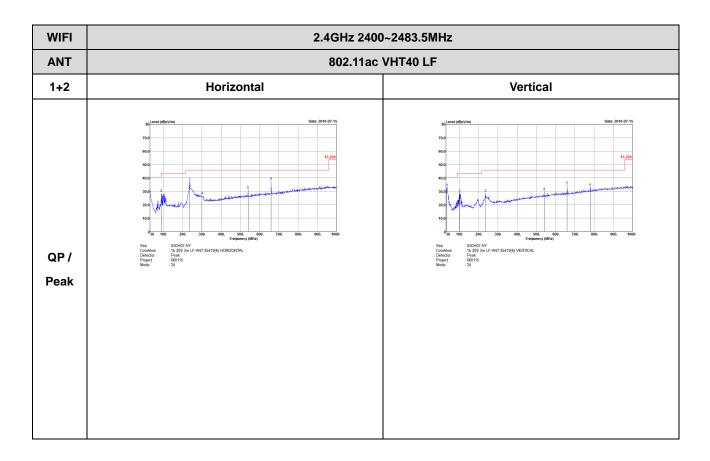
# 2.4GHz WIFI 802.11ac VHT20 (LF)



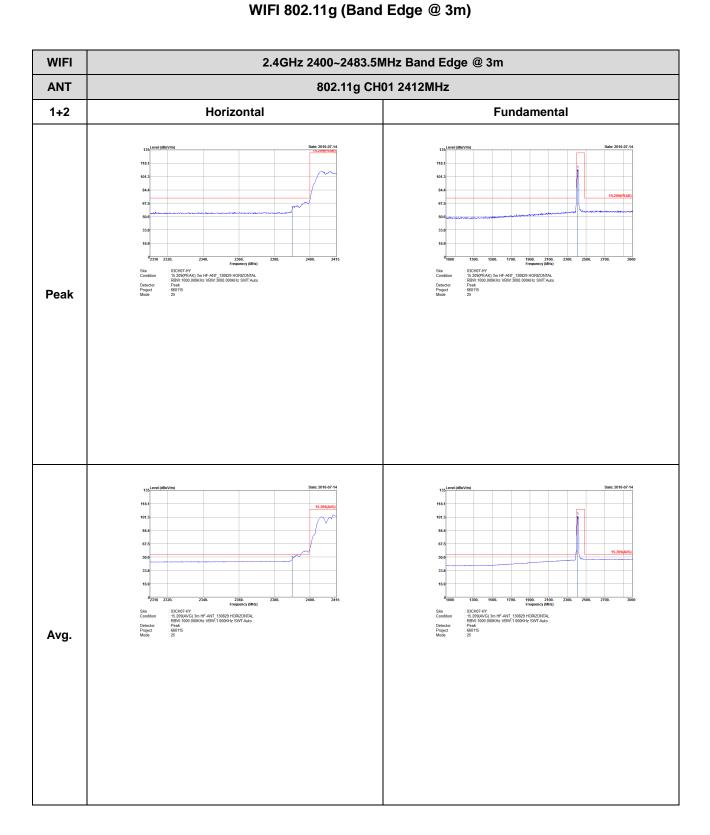
TEL: 886-3-327-3456 FAX: 886-3-328-4978

#### **Emission below 1GHz**

# 2.4GHz WIFI 802.11ac VHT40 (LF)



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

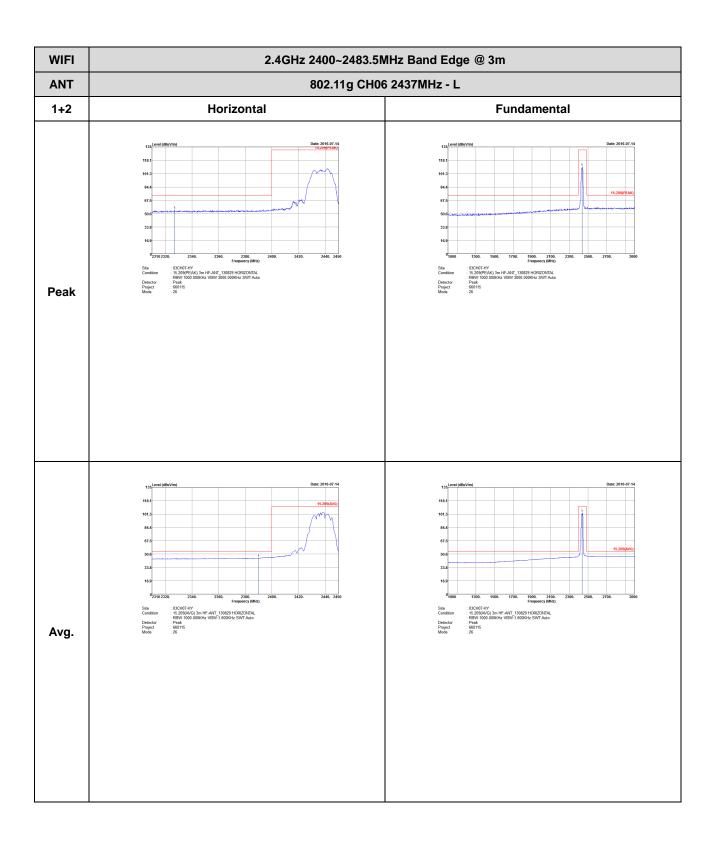


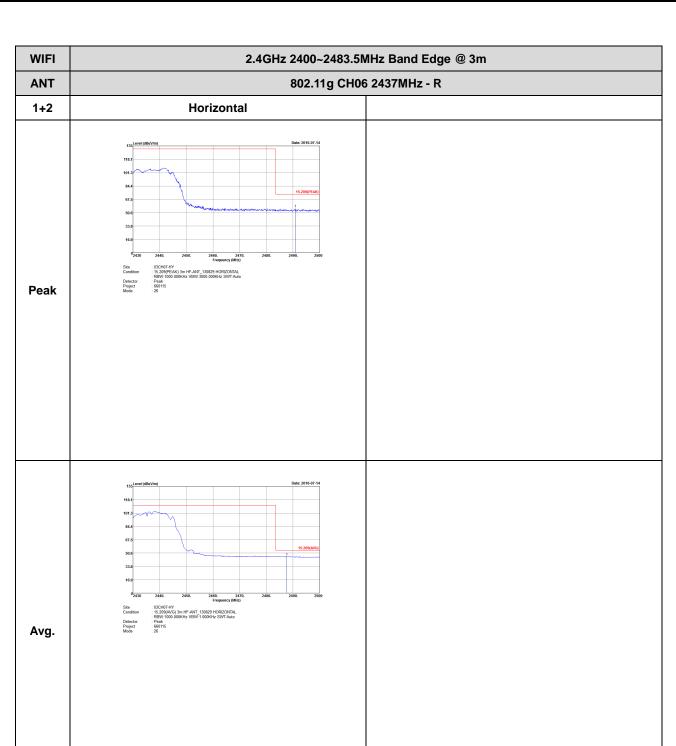
TEL: 886-3-327-3456 FAX: 886-3-328-4978

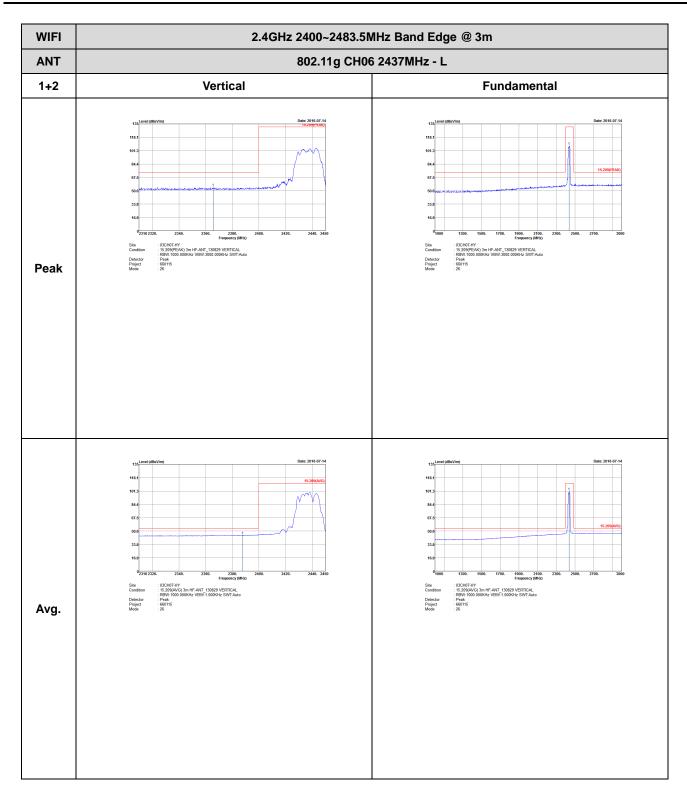


WIFI 2.4GHz 2400~2483.5MHz Band Edge @ 3m  $\,$ **ANT** 802.11g CH01 2412MHz Vertical 1+2 **Fundamental** Peak Avg.

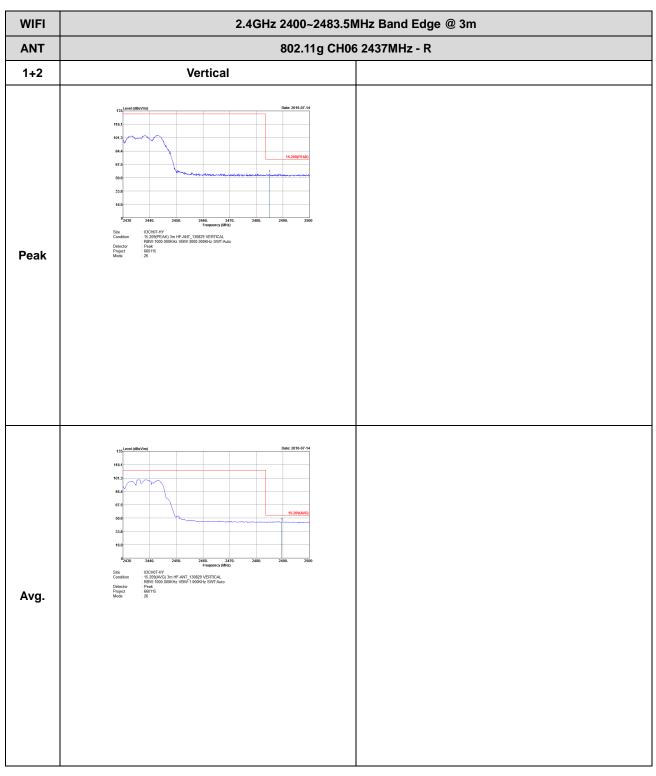
TEL: 886-3-327-3456 FAX: 886-3-328-4978

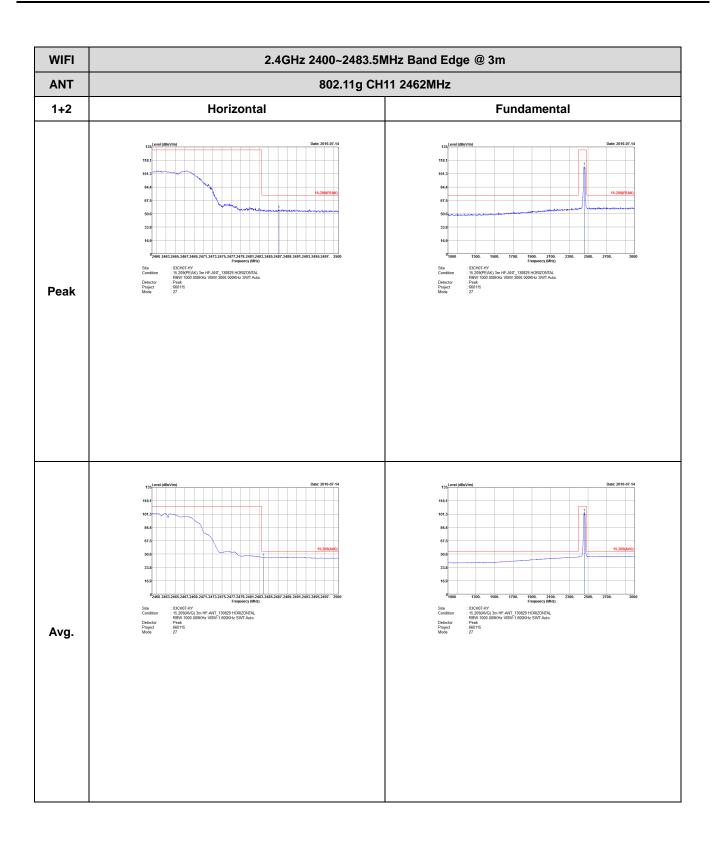


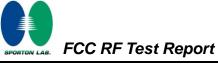


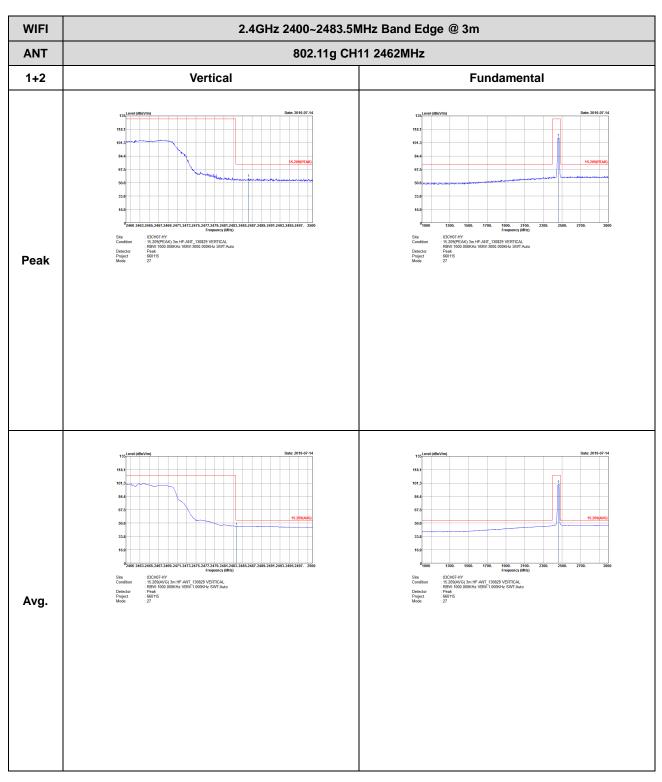






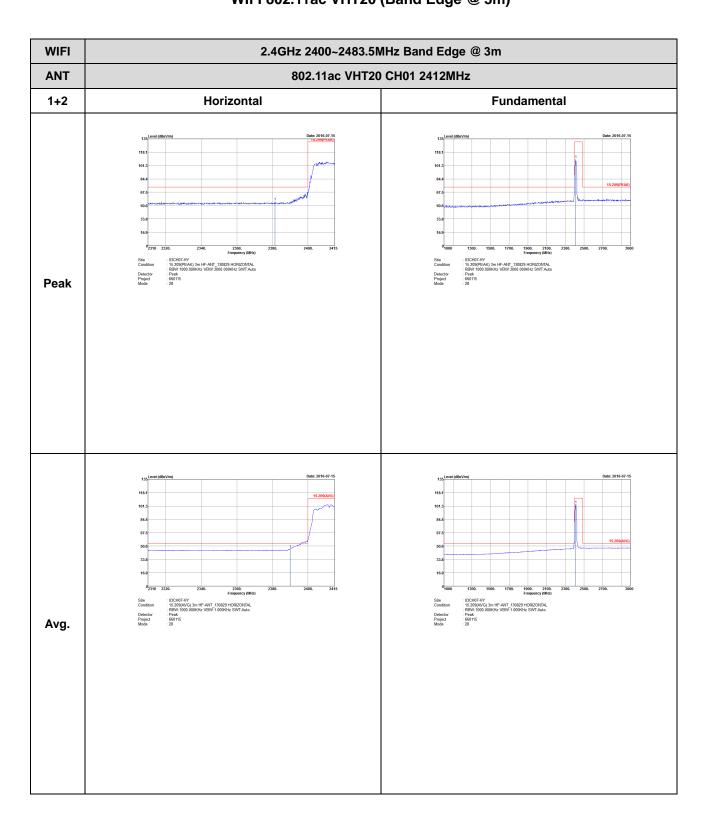


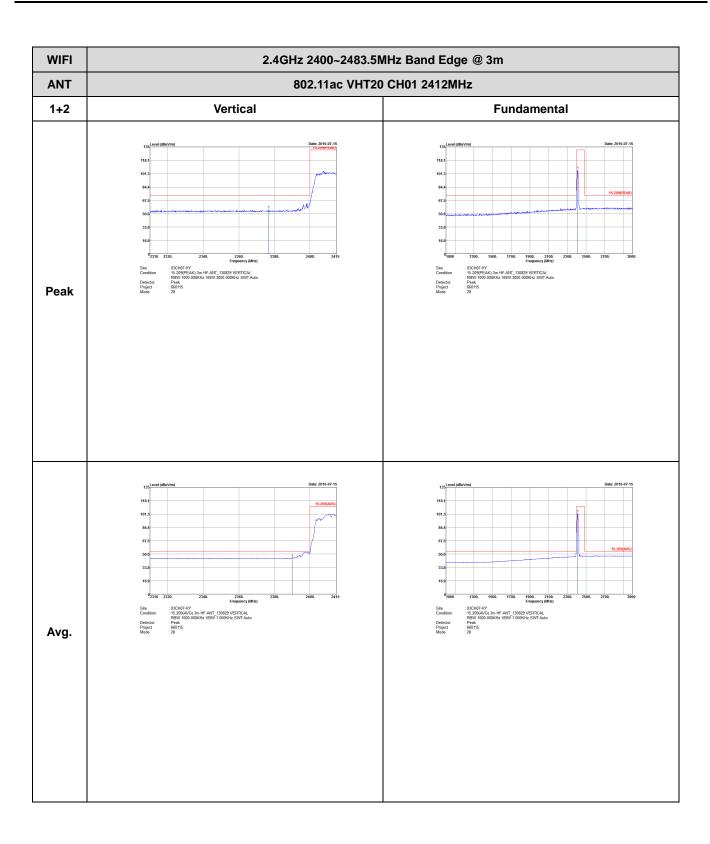


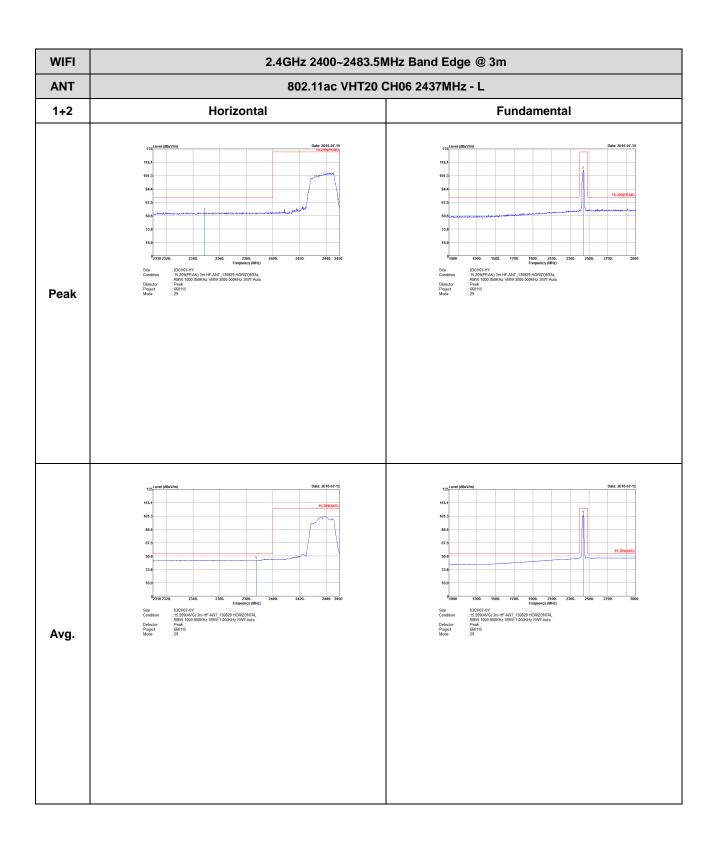


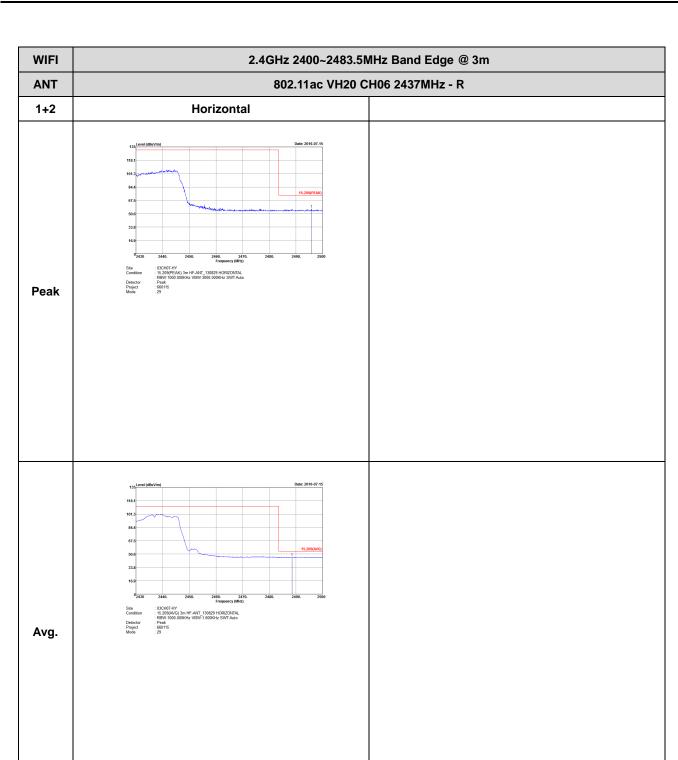
## 2.4GHz 2400~2483.5MHz WIFI 802.11ac VHT20 (Band Edge @ 3m)

Report No.: FR660115C

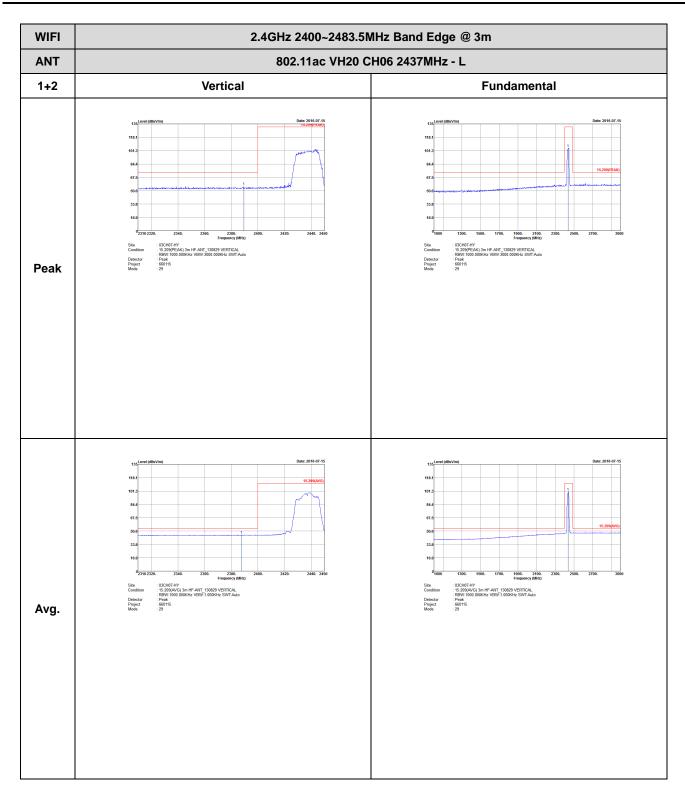


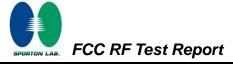


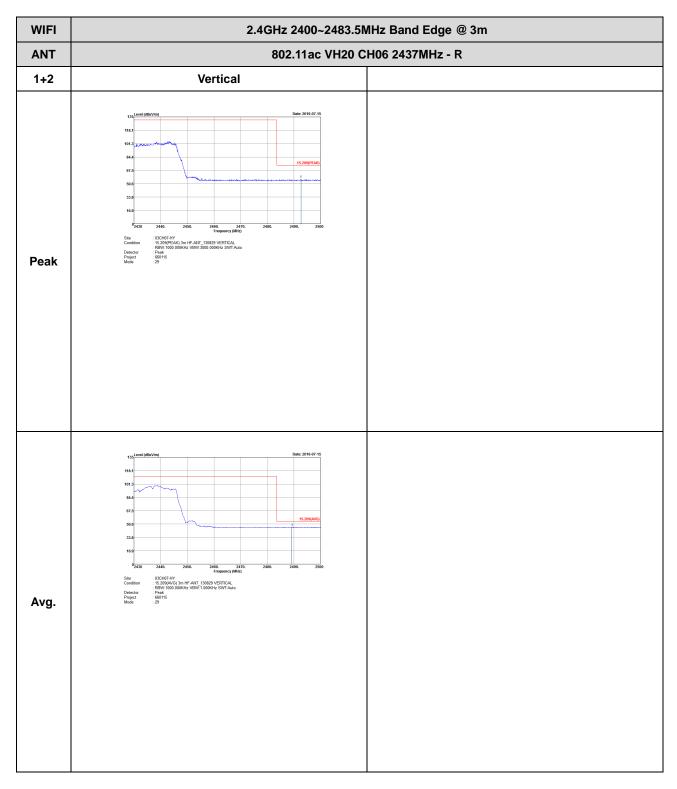


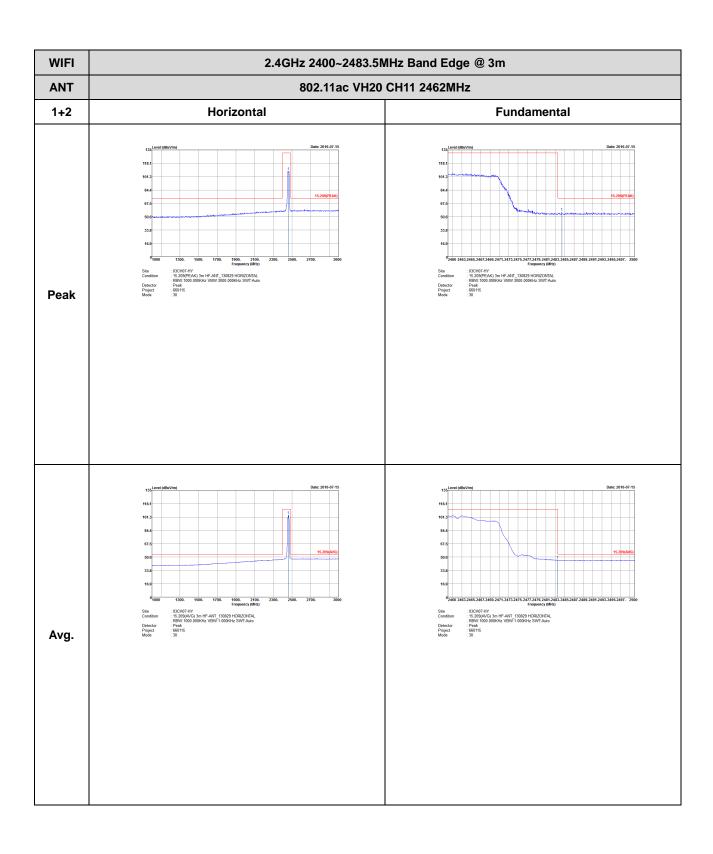


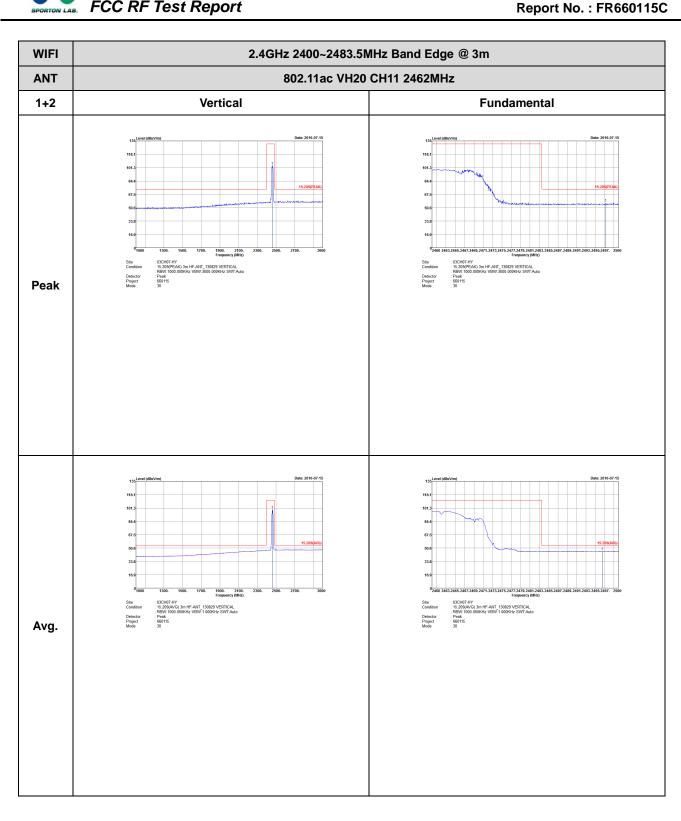




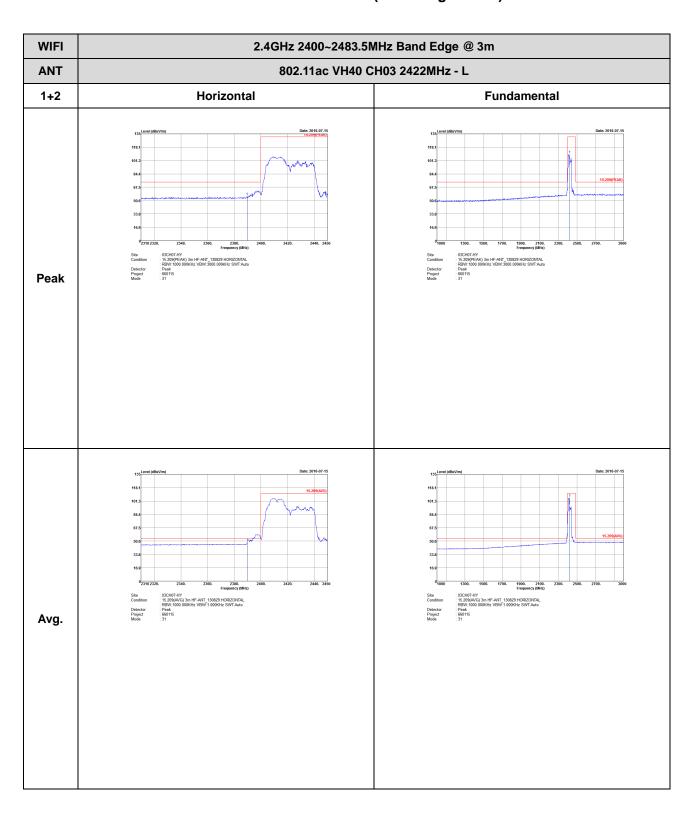




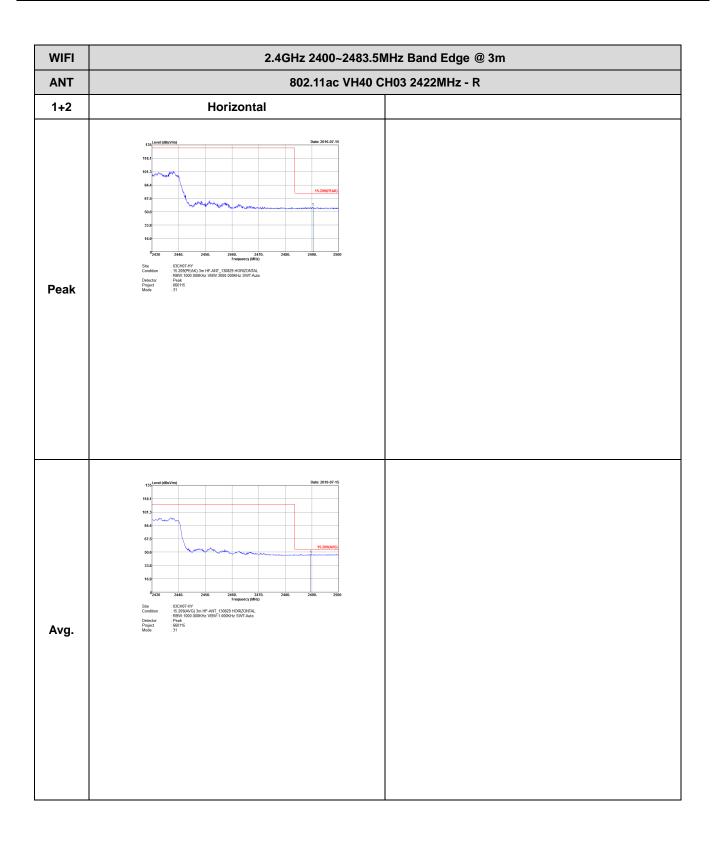


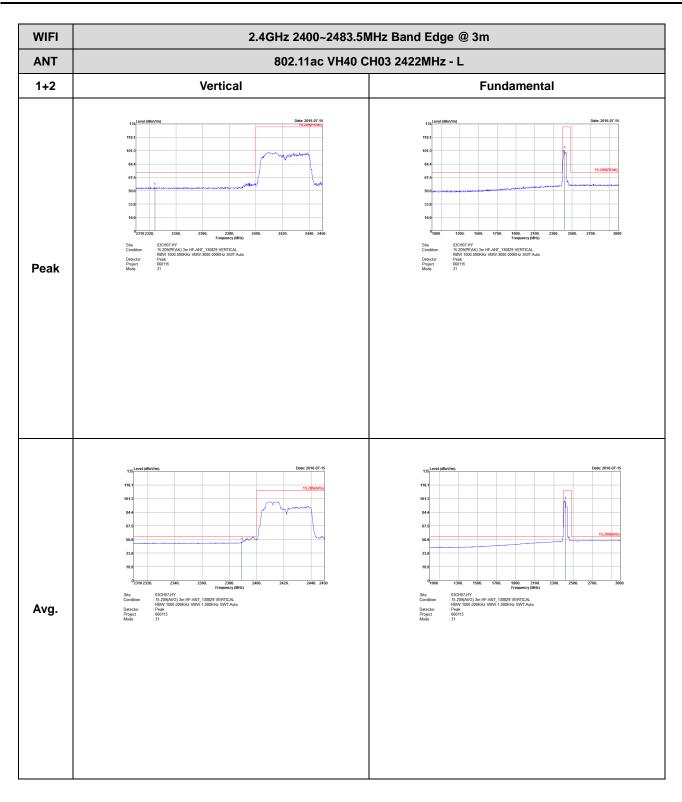


## 2.4GHz 2400~2483.5MHz WIFI 802.11ac VHT40 (Band Edge @ 3m)

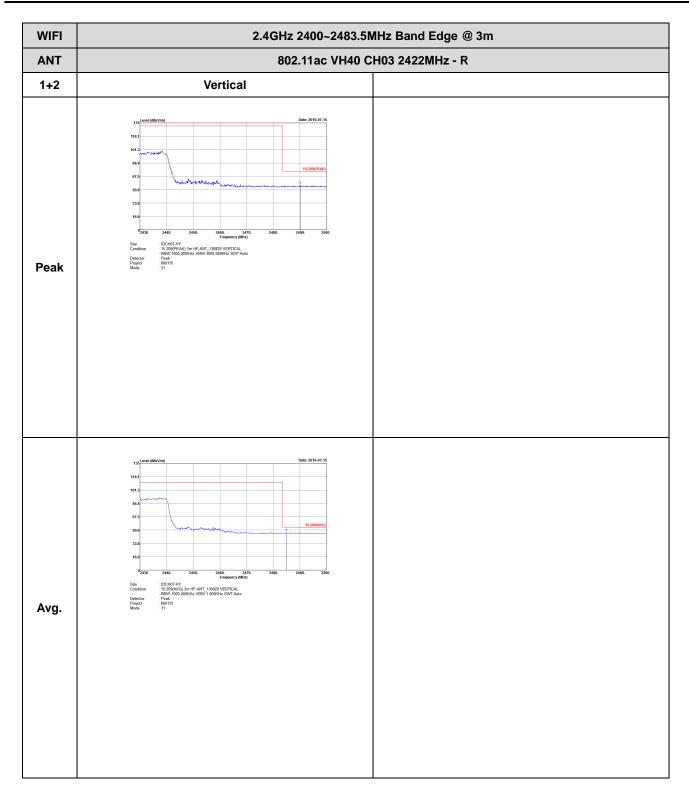


TEL: 886-3-327-3456 FAX: 886-3-328-4978

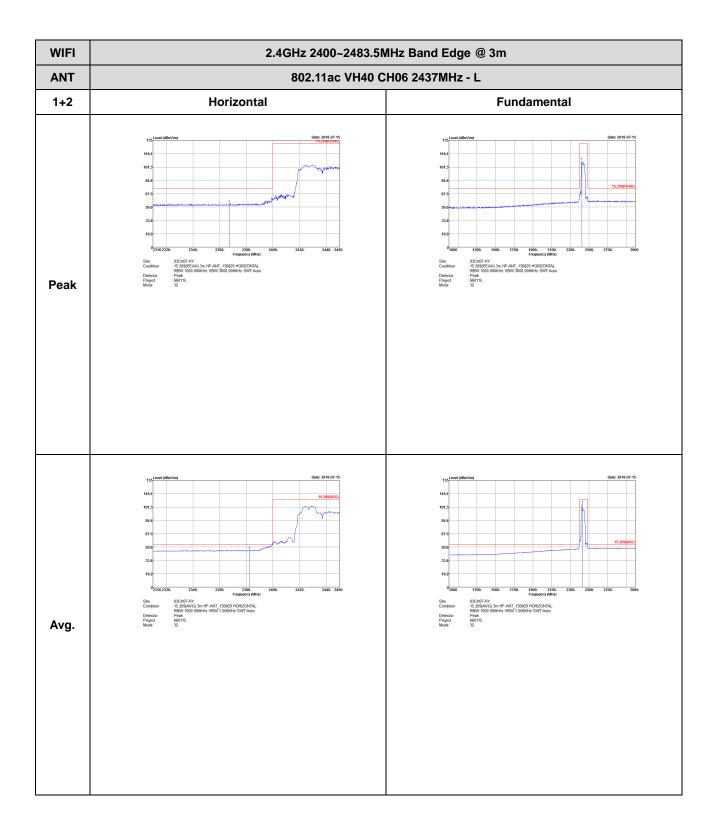




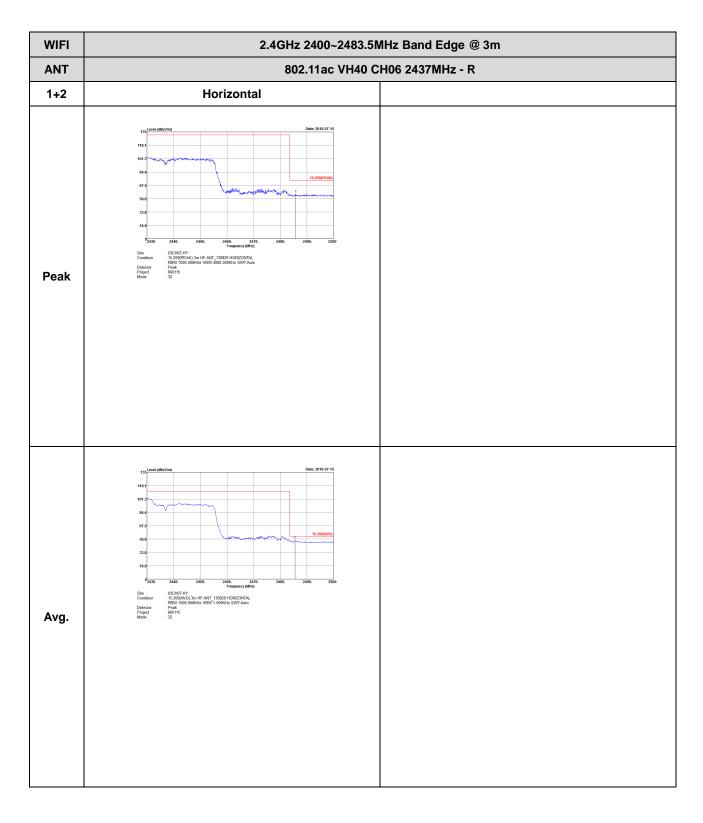


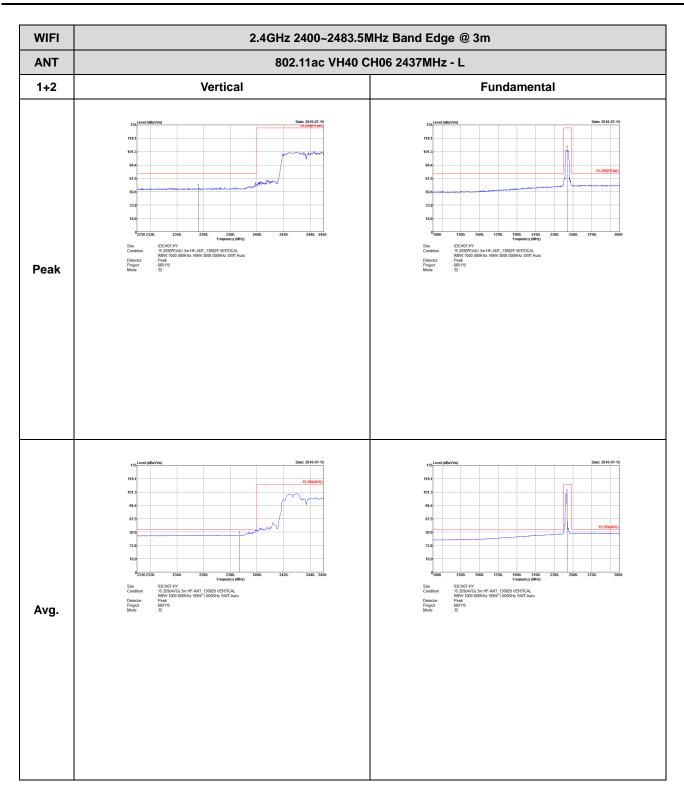


Report No.: FR660115C

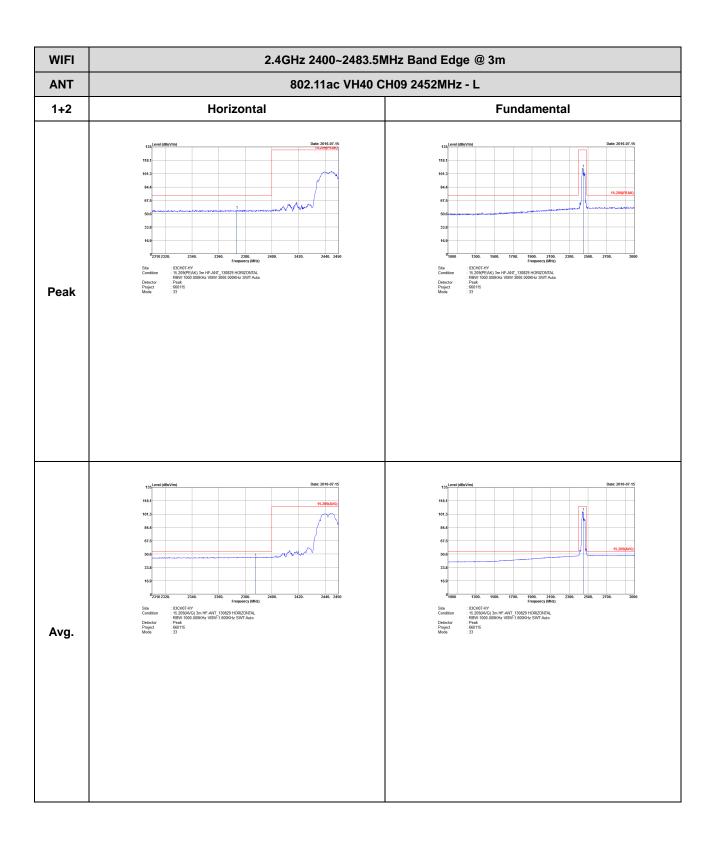


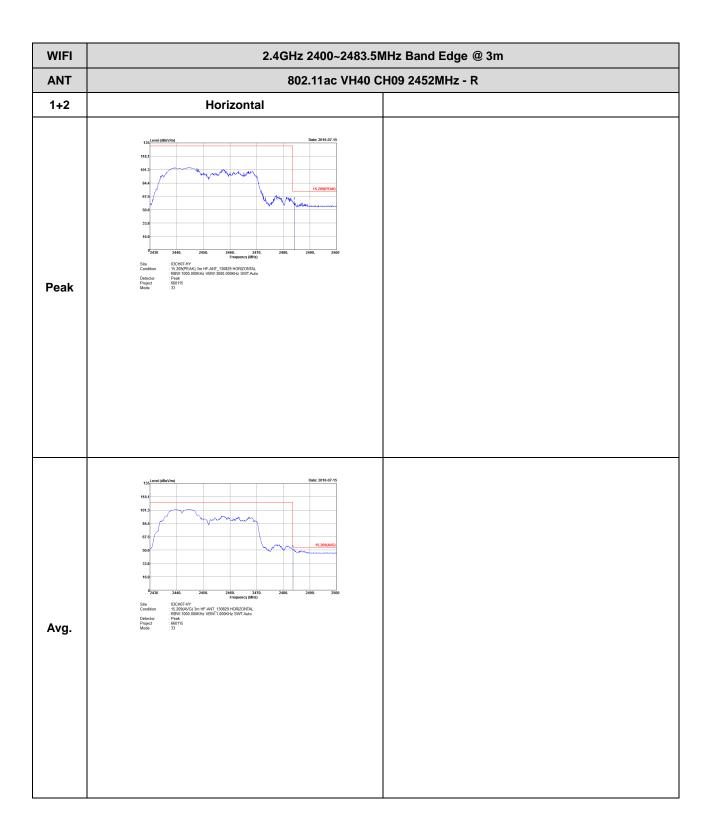


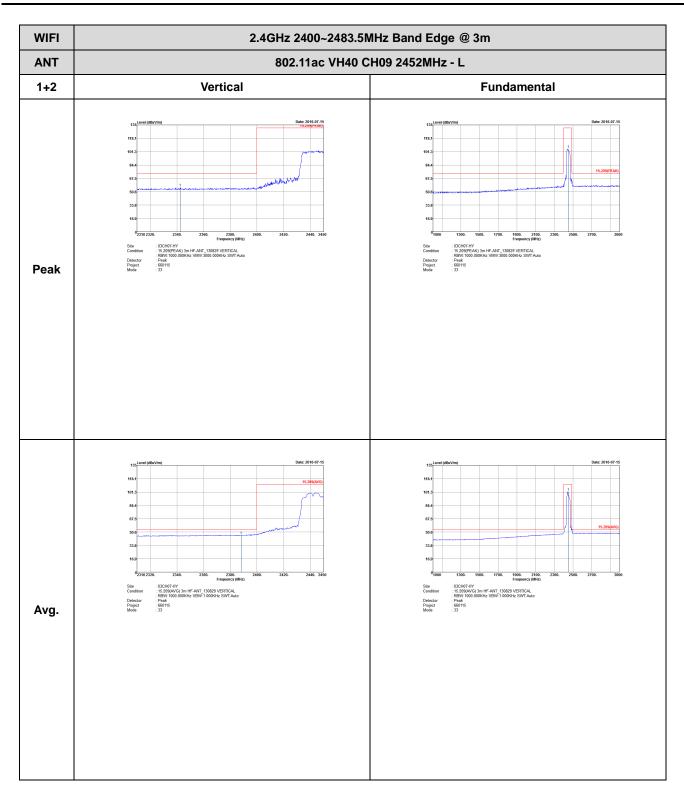


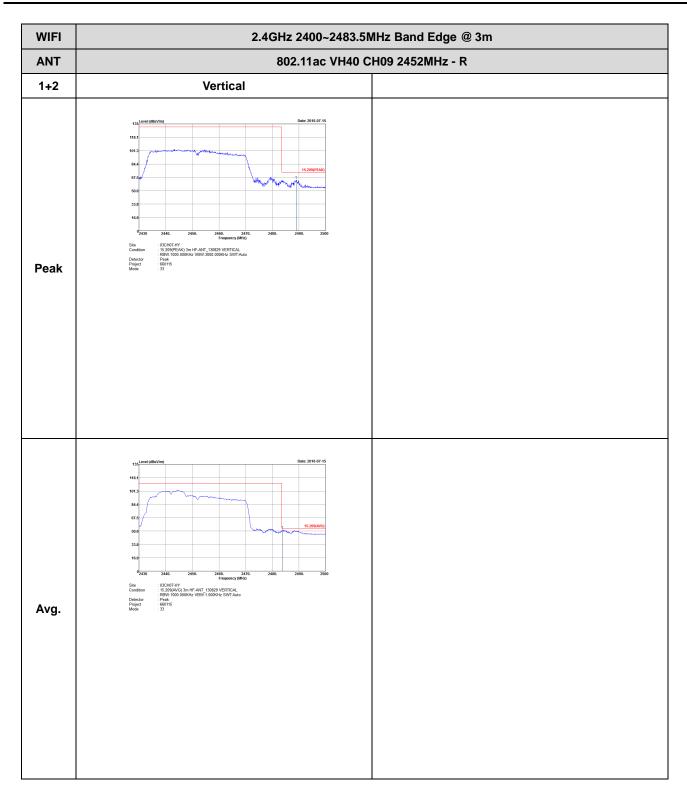


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m						
ANT	T 802.11ac VH40 CH06 2437MHz - R						
1+2	Vertical						
Peak	116. 116. 117. 118. 118. 118. 118. 118. 118. 118						
Avg.	135, kmm (distribut)						



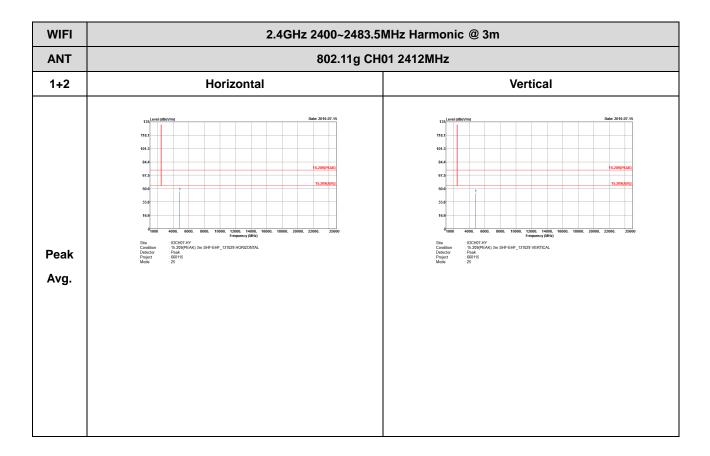


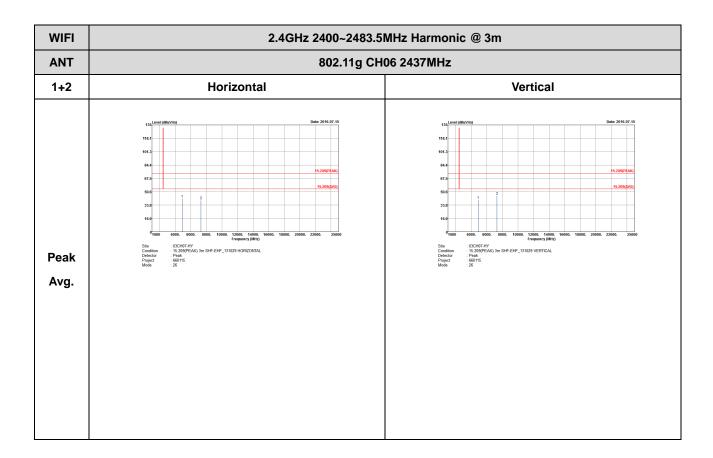


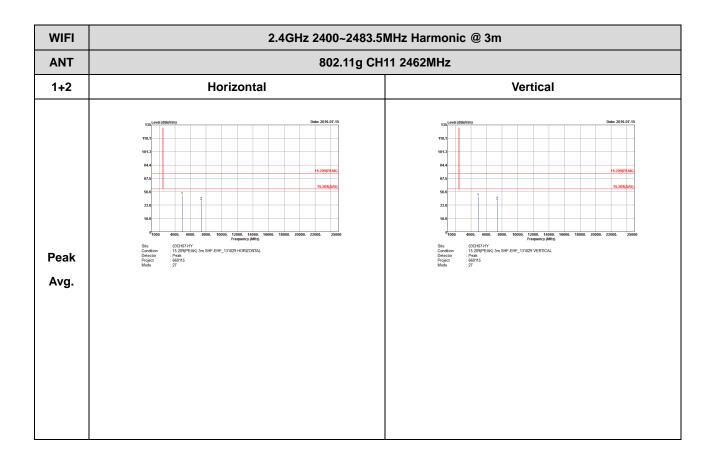


Report No.: FR660115C

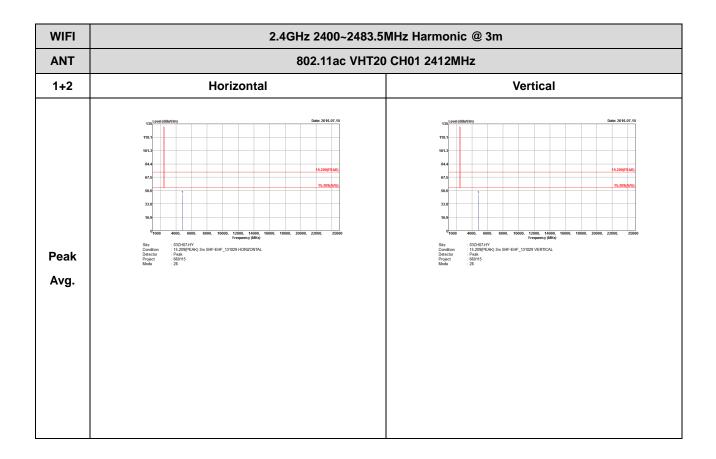
### WIFI 802.11g (Harmonic @ 3m)



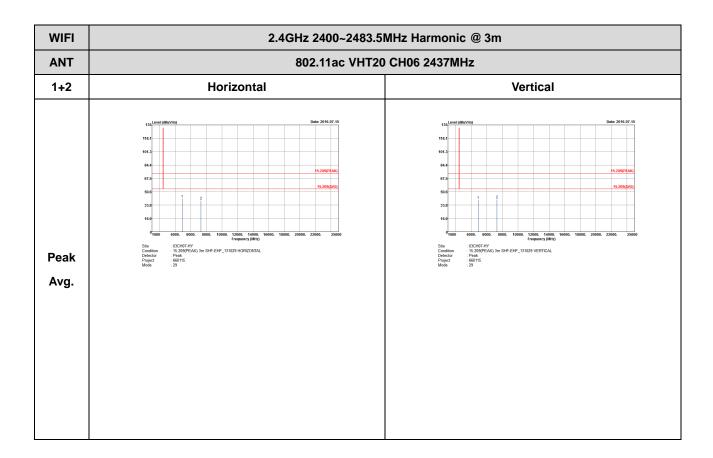


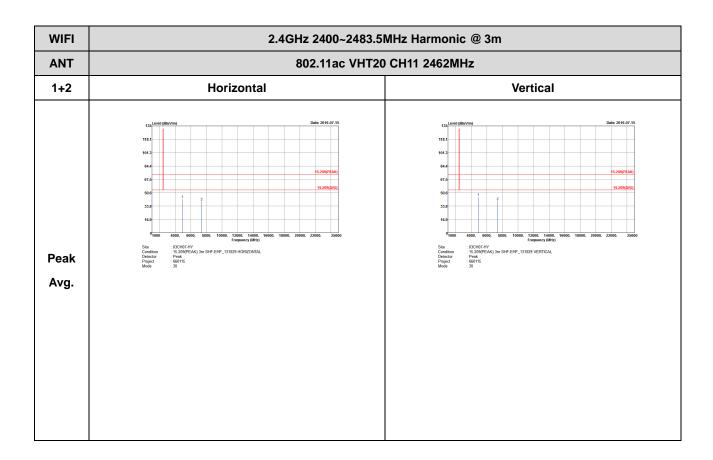


## 2.4GHz 2400~2483.5MHz WIFI 802.11ac VHT20 (Harmonic @ 3m)

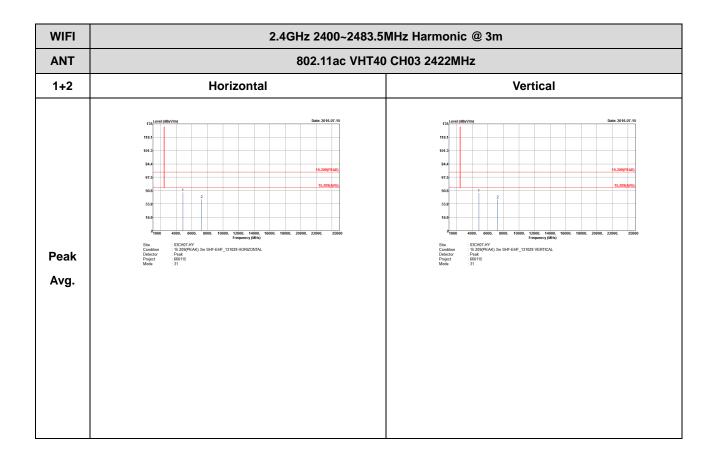


TEL: 886-3-327-3456 FAX: 886-3-328-4978



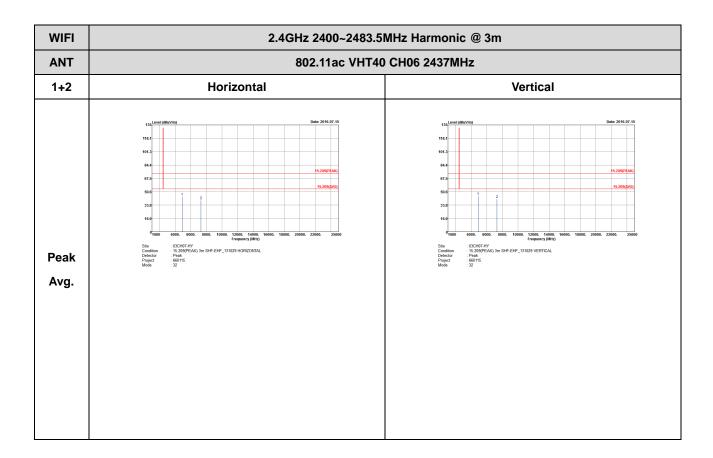


## 2.4GHz 2400~2483.5MHz WIFI 802.11ac VHT40 (Harmonic @ 3m)

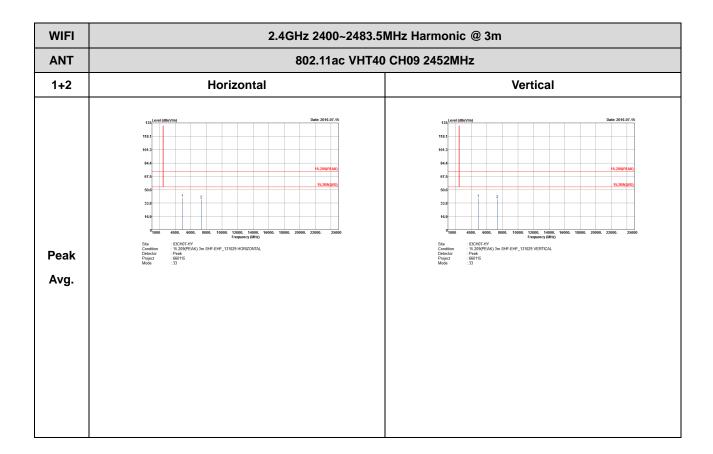


TEL: 886-3-327-3456 FAX: 886-3-328-4978





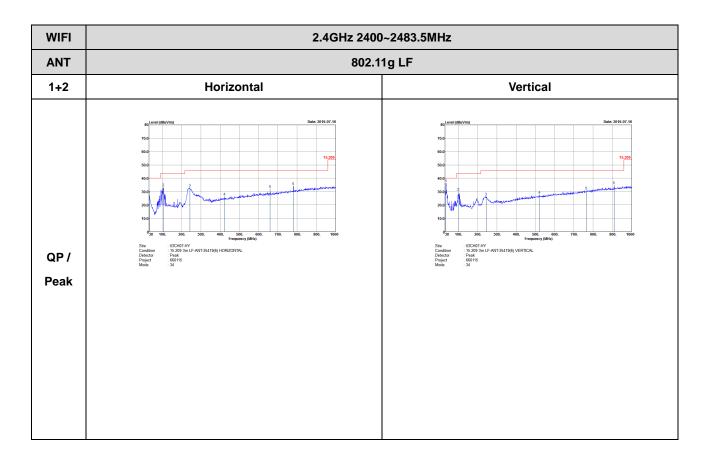




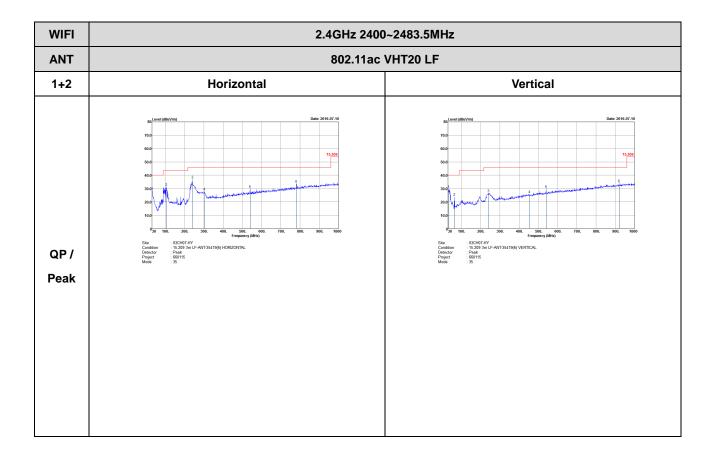
Report No.: FR660115C

### **Emission below 1GHz**

### 2.4GHz WIFI 802.11g (LF)

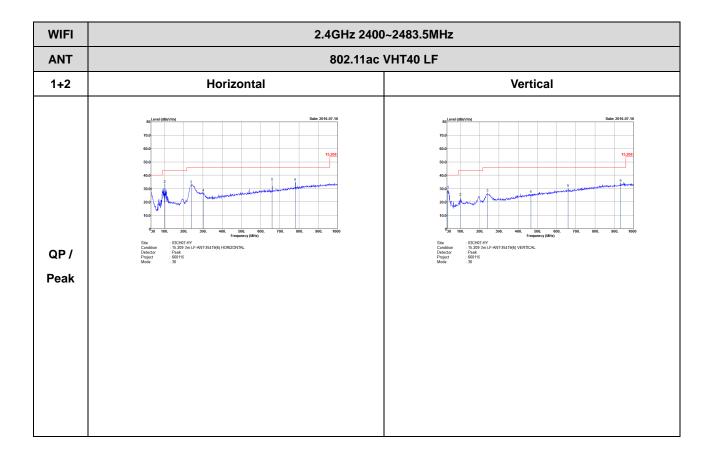


### Emission below 1GHz 2.4GHz WIFI 802.11ac VHT20 (LF)



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



# **Appendix D. Duty Cycle Plots**

#### <Non-TXBF Modes>

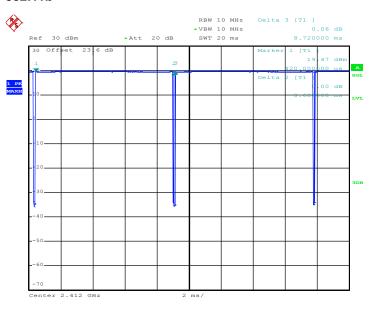
Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
2	802.11b	98.62	1	-	10Hz
1+2	2.4GHz 802.11b for Ant 1	98.62	-	-	10Hz
1+2	2.4GHz 802.11b for Ant 2	98.62	-	-	10Hz
2	802.11g	92.21	1420	0.704225352	1kHz
1+2	2.4GHz 802.11g for Ant 1	92.21	1420	0.704225352	1kHz
1+2	2.4GHz 802.11g for Ant 2	92.21	1420	0.704225352	1kHz
2	802.11ac VHT20	93.06	1340	0.746268657	1kHz
1+2	2.4GHz 802.11ac VHT20 for Ant 1	93.06	1340	0.746268657	1kHz
1+2	2.4GHz 802.11ac VHT20 for Ant 2	93.06	1340	0.746268657	1kHz
2	802.11ac VHT40	85.71	660	1.515151515	2kHz
1+2	2.4GHz 802.11ac VHT40 for Ant 1	85.9	670	1.492537313	2kHz
1+2	2.4GHz 802.11ac VHT40 for Ant 2	85.71	660	1.515151515	2kHz

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

## FCC RF Test Report Report No.: FR660115C

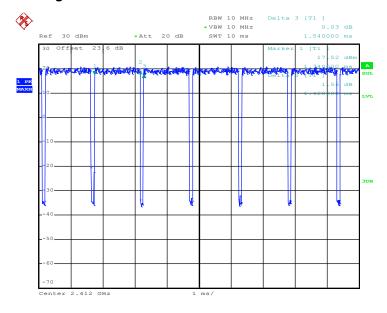
#### <SISO Ant. 2>





Date: 17.JUN.2016 00:43:51

#### 802.11g

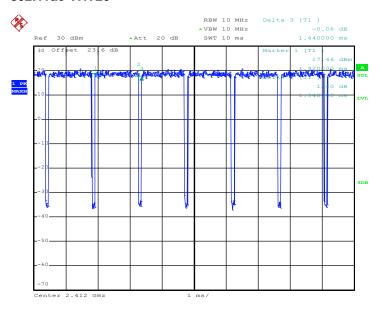


Date: 17.JUN.2016 01:39:44



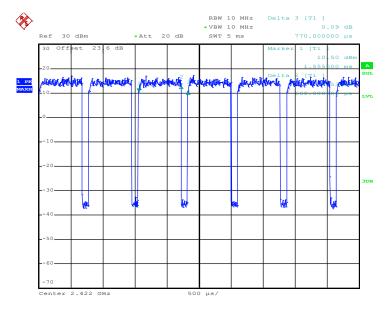
#### Report No.: FR660115C





Date: 17.JUN.2016 03:33:41

#### 802.11ac VHT40



Date: 17.JUN.2016 04:04:06

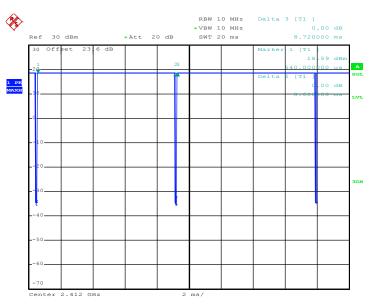


## FCC RF Test Report

Report No.: FR660115C

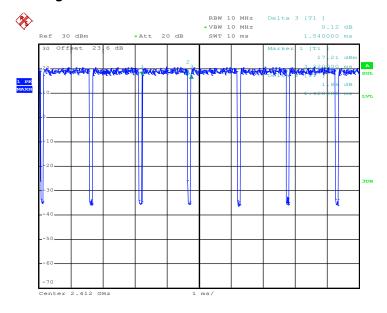
#### MIMO <Ant. 1+2(1)>

#### 802.11b



Date: 17.JUN.2016 00:59:34

#### 802.11g

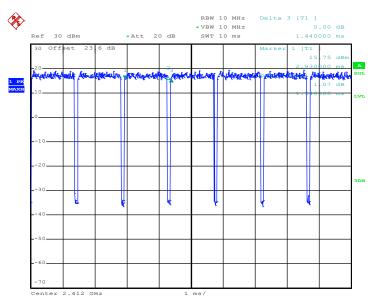


Date: 17.JUN.2016 02:02:30



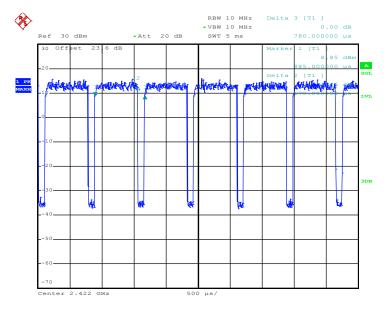
#### Report No.: FR660115C





Date: 17.JUN.2016 03:44:32

#### 802.11ac VHT40



Date: 17.JUN.2016 04:17:22

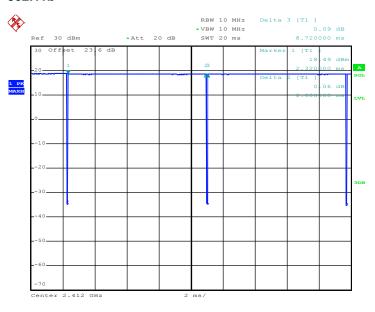


## FCC RF Test Report

Report No.: FR660115C

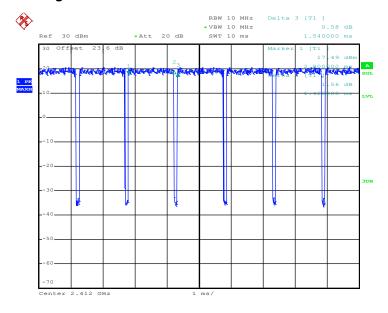
#### MIMO <Ant. 1+2(2)>

#### 802.11b



Date: 17.JUN.2016 00:58:38

#### 802.11g

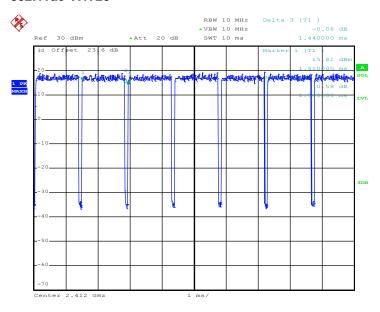


Date: 17.JUN.2016 02:03:23



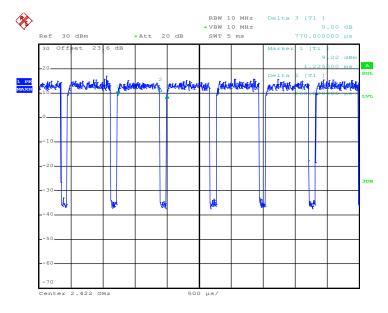
Report No.: FR660115C





Date: 17.JUN.2016 03:46:04

#### 802.11ac VHT40



Date: 17.JUN.2016 04:18:48



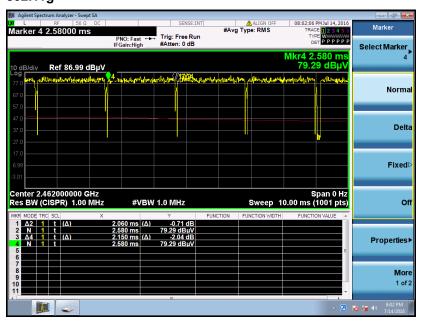
### FCC RF Test Report

#### <TXBF Modes>

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1+2	802.11g	95.81	2060	0.485436893	1kHz
1+2	2.4GHz 802.11ac VHT20	80.37	1789	0.558971492	1kHz
1+2	2.4GHz 802.11ac VHT40	83.86	1793	0.557724484	1kHz

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

#### 802.11g

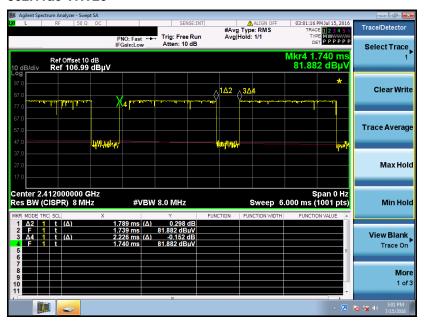


TEL: 886-3-327-3456 FAX: 886-3-328-4978

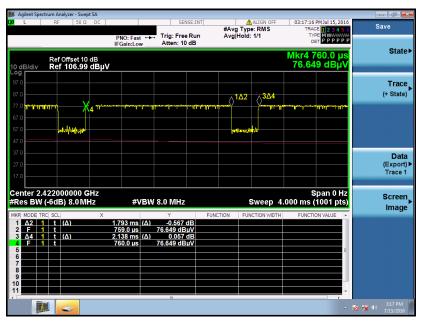


### Report No.: FR660115C

#### 802.11ac VHT20



#### 802.11ac VHT40





# Appendix E. Setup Photographs

### <Conducted Emission>

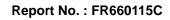


Remote View

SPORTON INTERNATIONAL INC.

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Rear View

SPORTON INTERNATIONAL INC.

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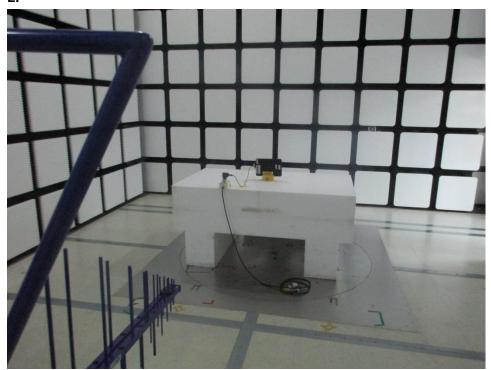


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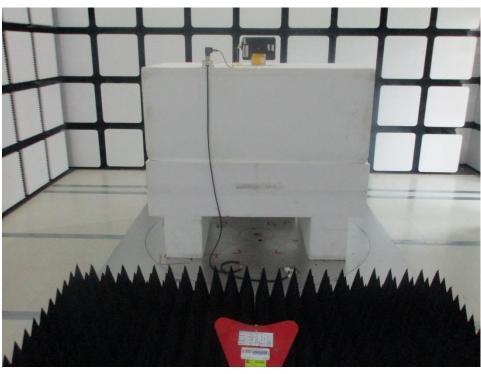
#### <Radiated Emission>

### Y Plane for Non-TXBF Modes

LF



HF



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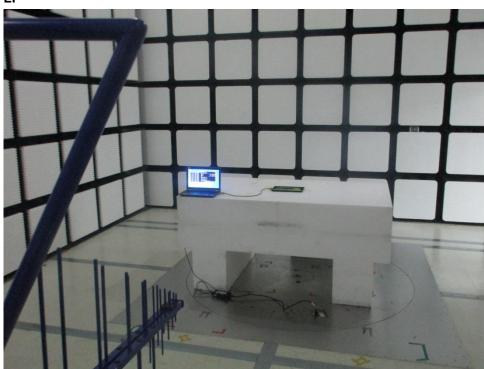
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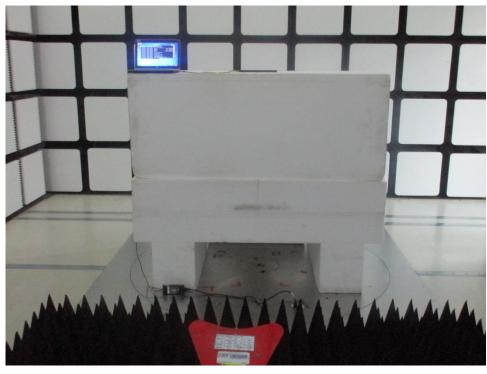
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#### **X Plane for TXBF Modes**

LF



HF



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