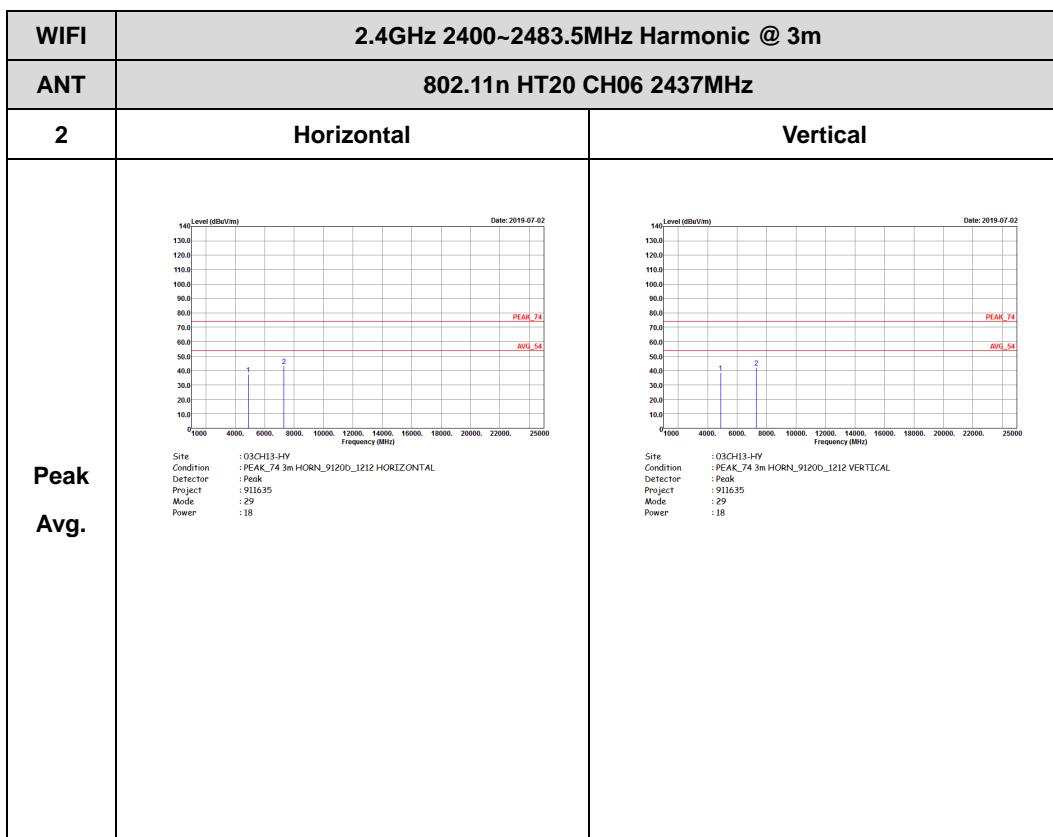


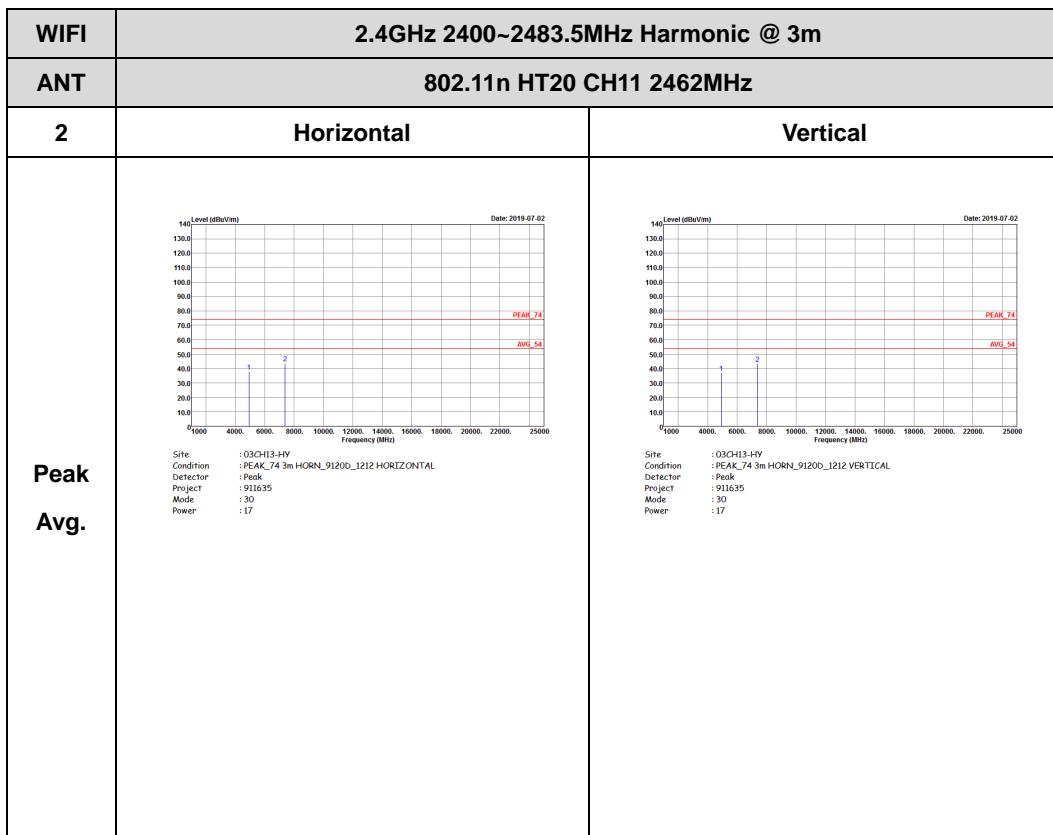


## 2.4GHz 2400~2483.5MHz

## WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI         | 2.4GHz 2400~2483.5MHz Harmonic @ 3m   |   |
|--------------|---|---|
| ANT          | 802.11n HT20 CH01 2412MHz   |   |
| 2            | Horizontal  | Vertical  |
| Peak<br>Avg. | <br>Graph showing Level (dBuV/m) vs Frequency (MHz) for Horizontal emissions. The graph has a sharp peak labeled 'PEAK_74' at approximately 5 GHz. Other horizontal lines are labeled 'AVG_54'. The x-axis ranges from 1000 to 25000 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.<br><br>Site : 03C113-H-Y<br>Condition : PEAK_74 3m HORN_91200_1212 HORIZONTAL.<br>Detector : Peak<br>Project : 911635<br>Mode : 28<br>Power : 16 | <br>Graph showing Level (dBuV/m) vs Frequency (MHz) for Vertical emissions. The graph has a sharp peak labeled 'PEAK_74' at approximately 5 GHz. Other horizontal lines are labeled 'AVG_54'. The x-axis ranges from 1000 to 25000 MHz, and the y-axis ranges from 10.0 to 140.0 dBuV/m.<br><br>Site : 03C113-H-Y<br>Condition : PEAK_74 3m HORN_91200_1212 VERTICAL.<br>Detector : Peak<br>Project : 911635<br>Mode : 28<br>Power : 16 |

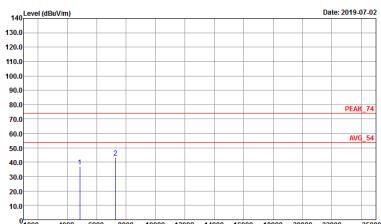
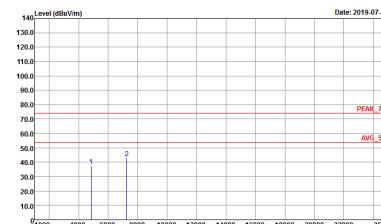


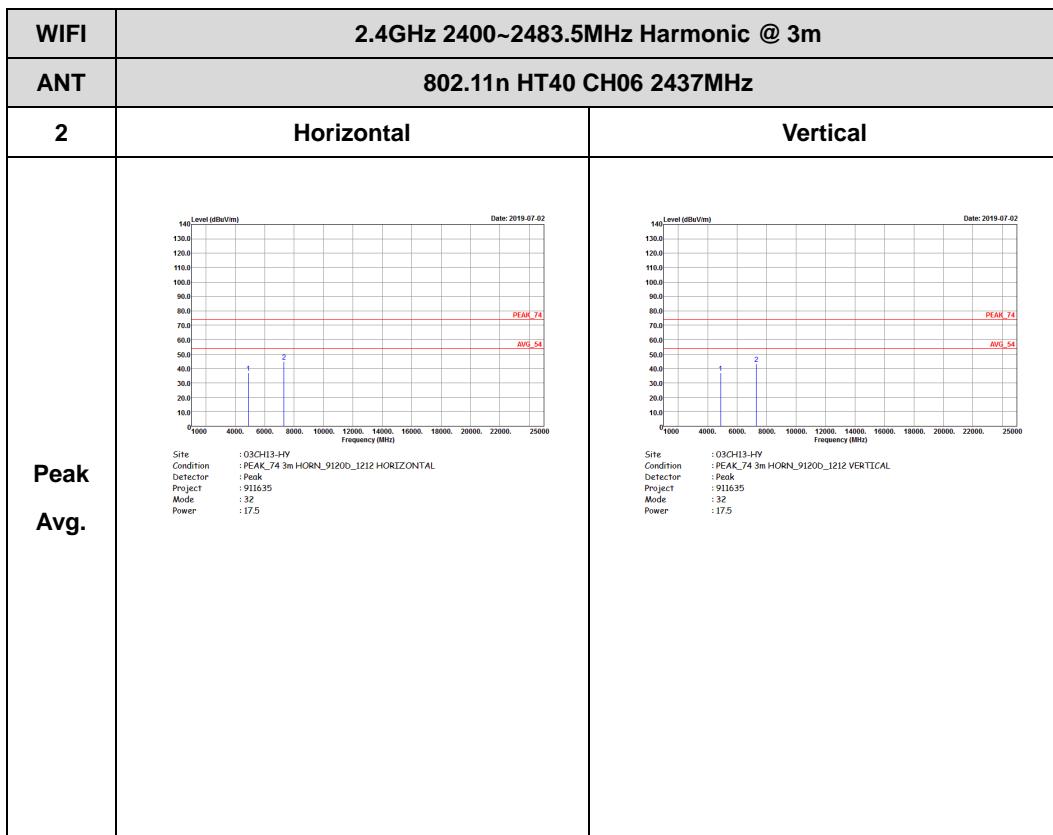


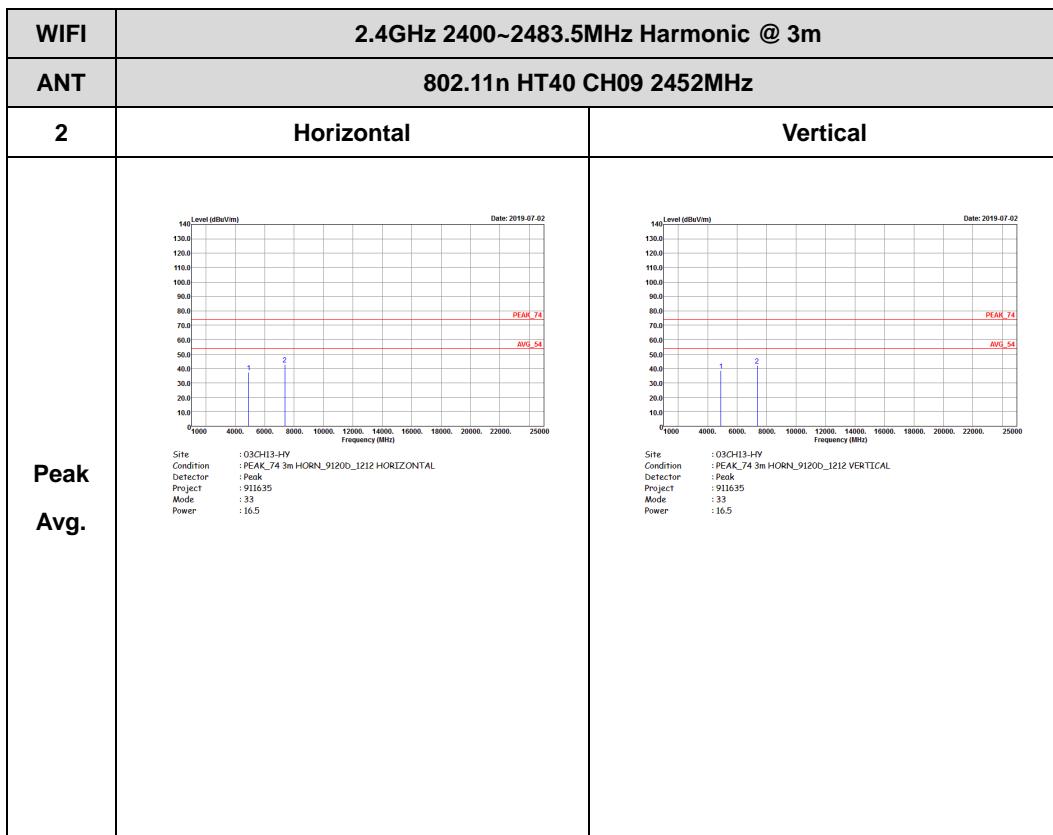


## 2.4GHz 2400~2483.5MHz

## WIFI 802.11n HT40 (Harmonic @ 3m)

|                            |  |   |
|----------------------------|--|---|
| <b>WIFI</b>                | 2.4GHz 2400~2483.5MHz Harmonic @ 3m  |   |
| <b>ANT</b>                 | 802.11n HT40 CH03 2422MHz  |   |
| <b>2</b>                   | <b>Horizontal</b>  | <b>Vertical</b>   |
| <b>Peak</b><br><b>Avg.</b> |  <p>Site : 03C113-HY<br/>Condition : PEAK_74 3m HORN_91200_1212 HORIZONTAL.<br/>Detector : Peak<br/>Project : 911635<br/>Mode : 31<br/>Power : 14</p> |  <p>Site : 03C113-HY<br/>Condition : PEAK_74 3m HORN_91200_1212 VERTICAL.<br/>Detector : Peak<br/>Project : 911635<br/>Mode : 31<br/>Power : 14</p> |

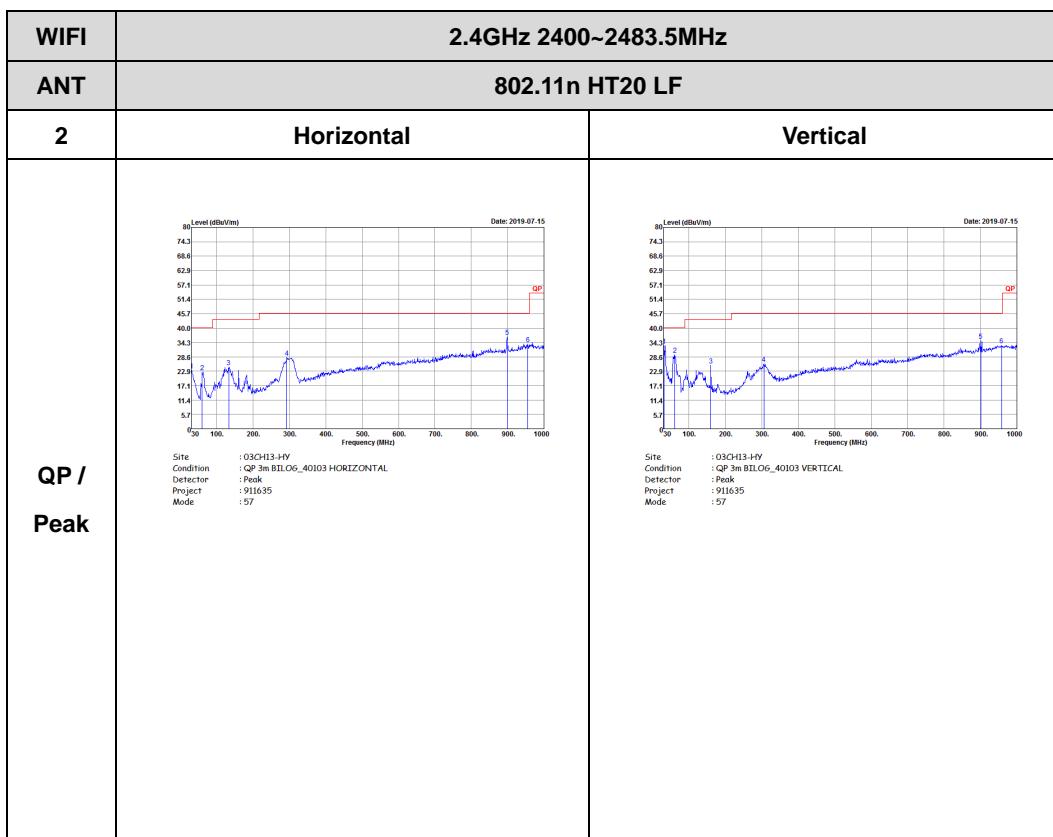






## Emission below 1GHz

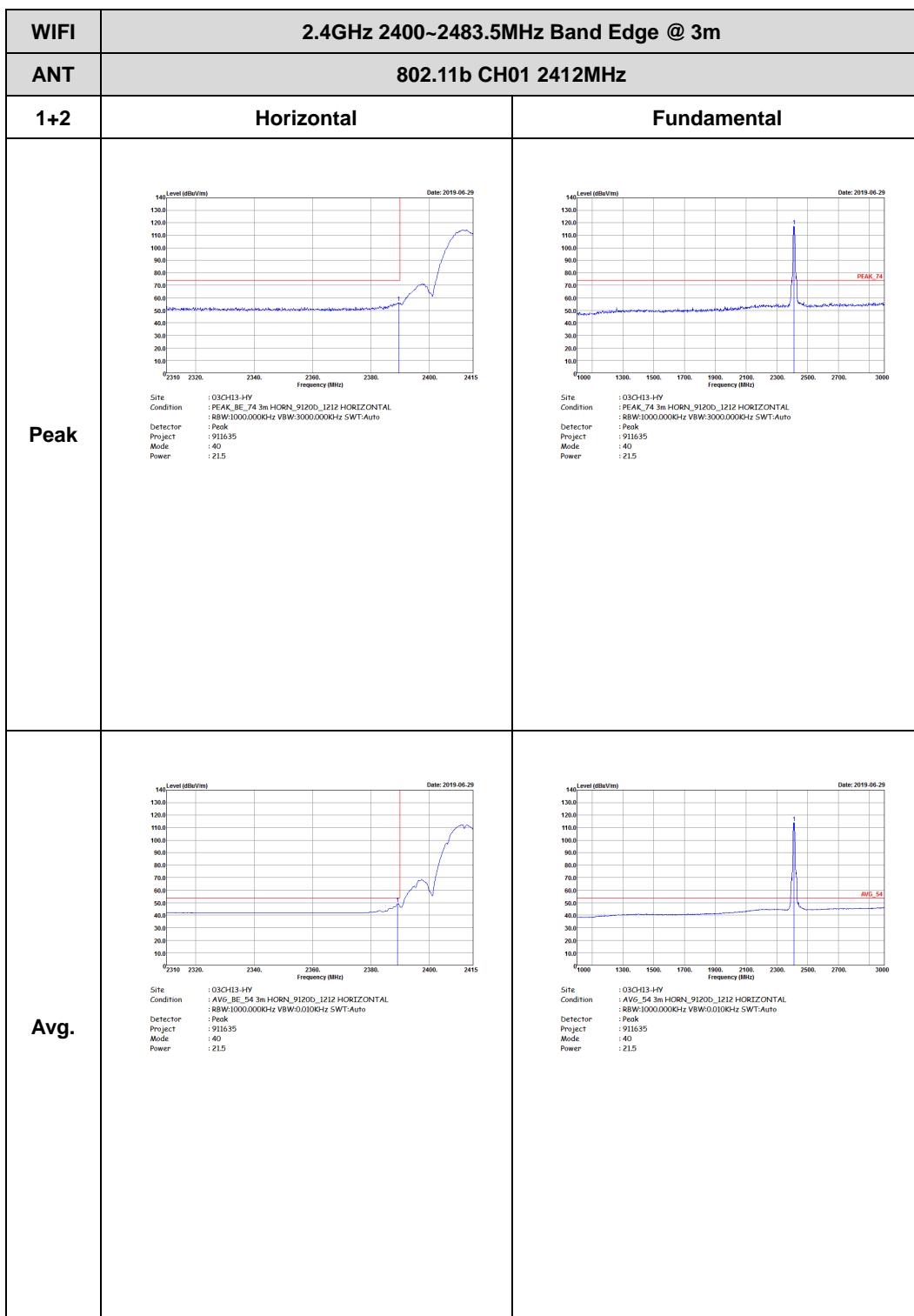
## 2.4GHz WIFI 802.11n HT20 (LF)

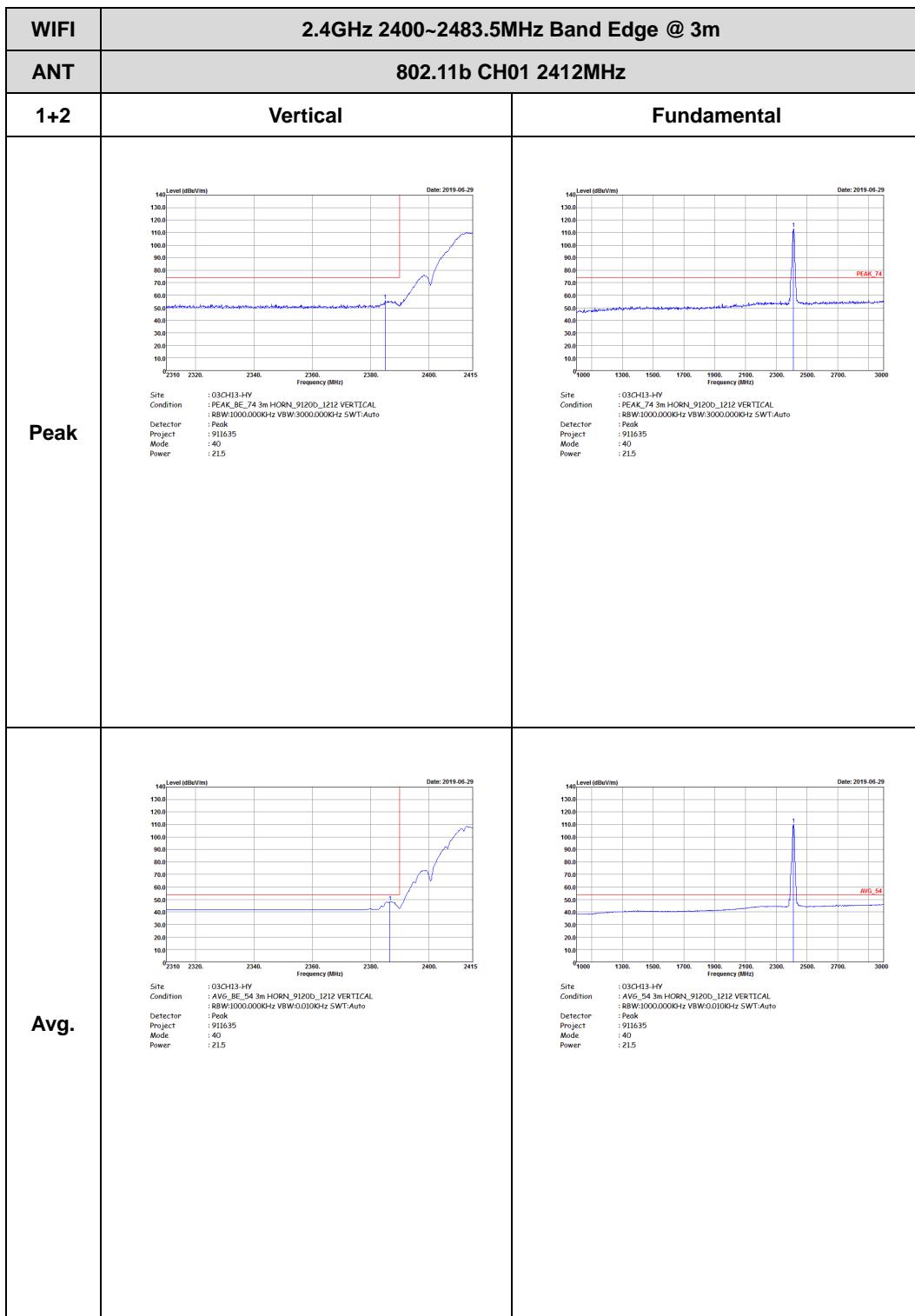


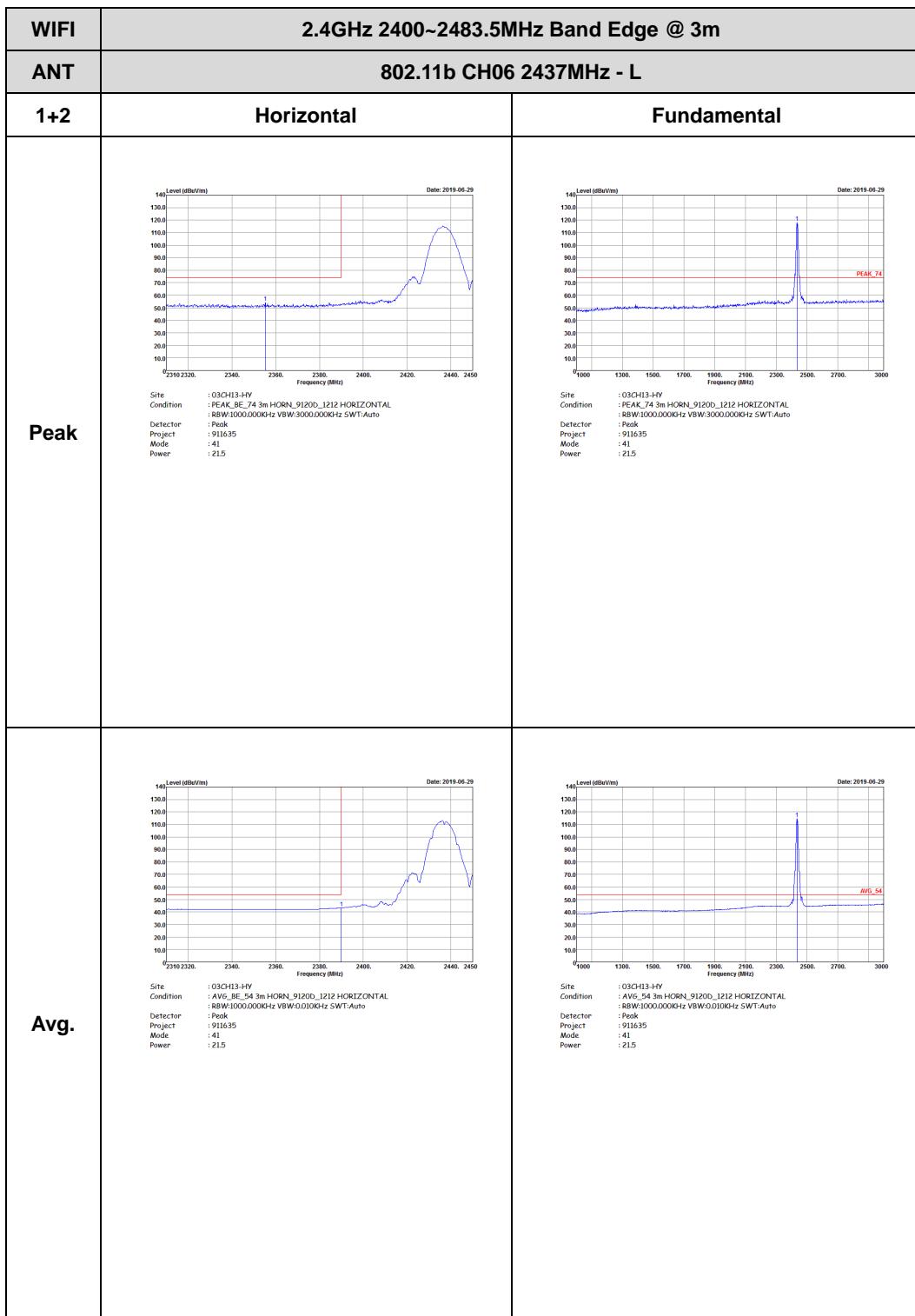


## 2.4GHz 2400~2483.5MHz

## WIFI 802.11b (Band Edge @ 3m)

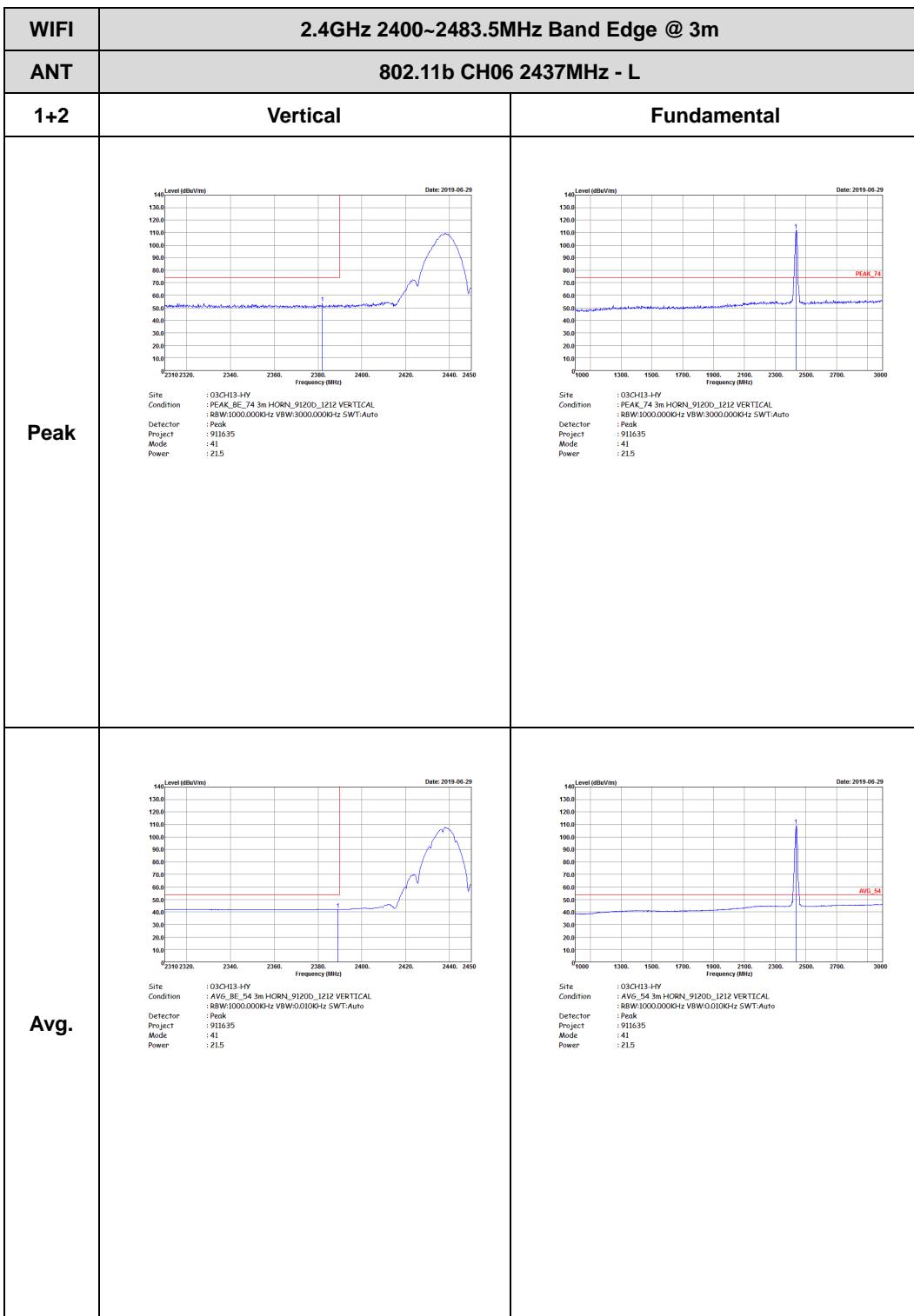






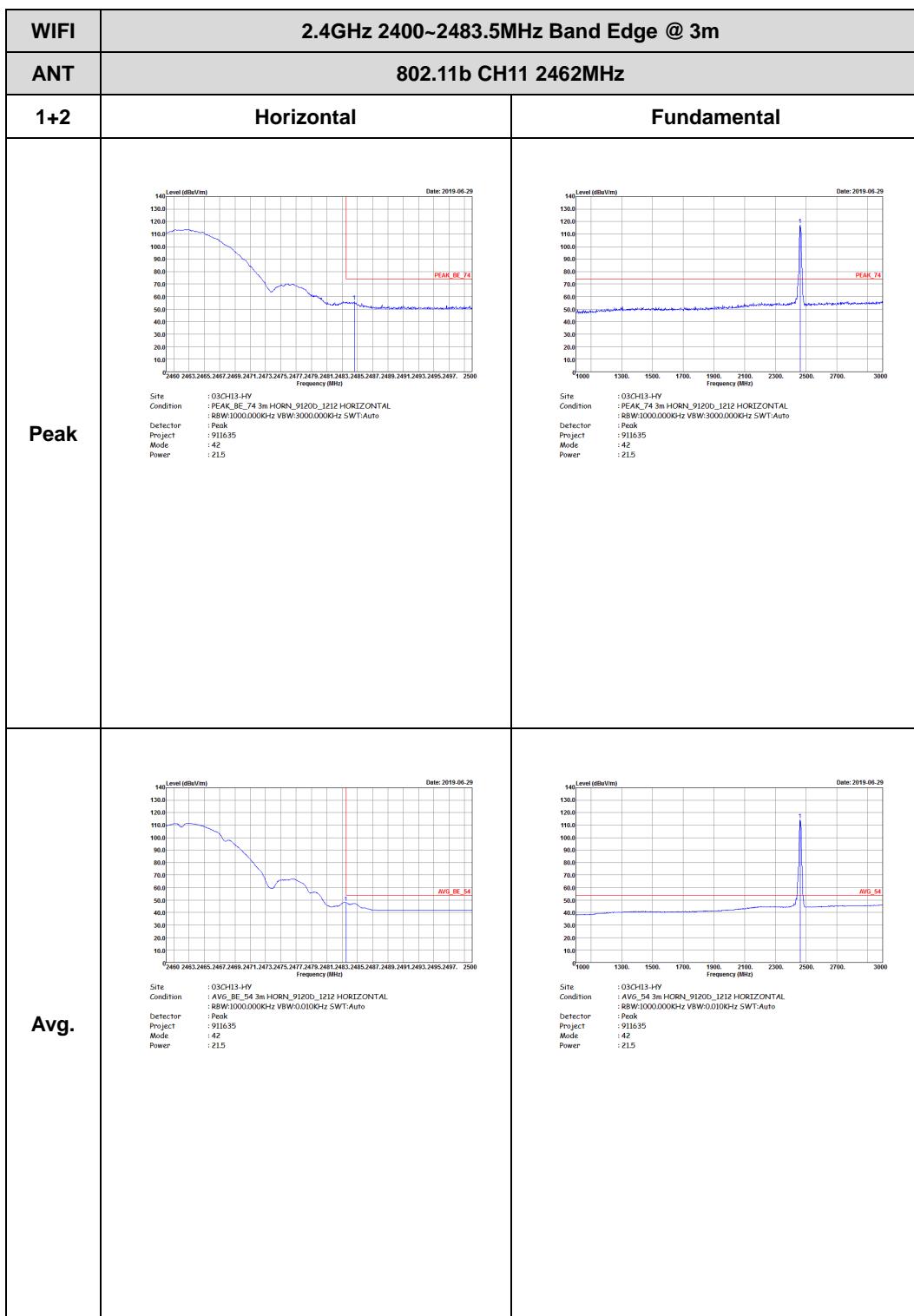


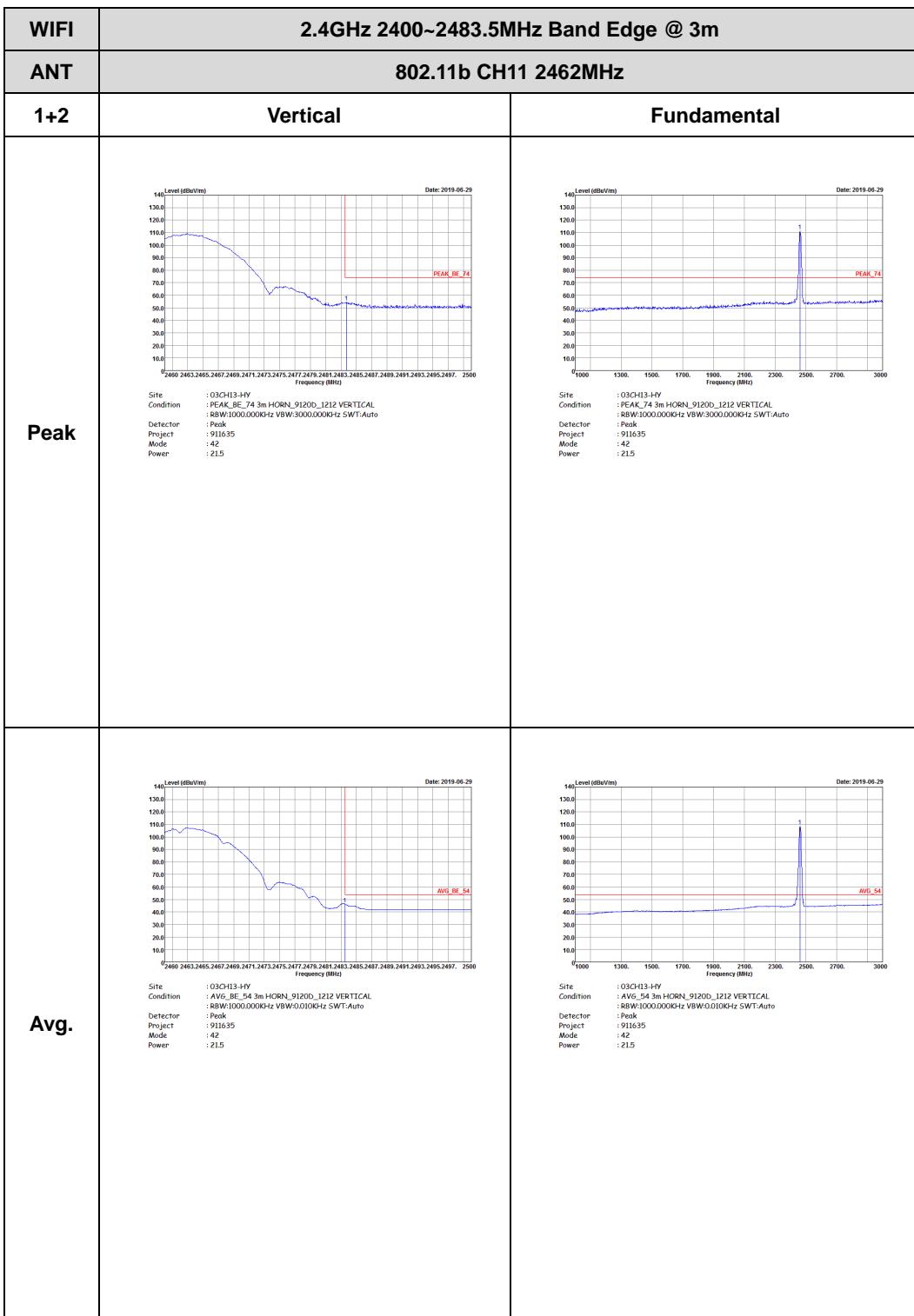
|      |  |             |
|------|--|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |             |
| ANT  | 802.11b CH06 2437MHz - R   |             |
| 1+2  | Horizontal   | Fundamental |
| Peak | <p>Site : 03CH13-HY<br/>Condition : PCAK_BE_74 3m HORN_91200_1212 HORIZONTAL<br/>Detector : R8W:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 41<br/>Power : 21.5</p> | Left blank  |
| Avg. | <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL<br/>Detector : R8W:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Project : 911635<br/>Mode : 41<br/>Power : 21.5</p>     | Left blank  |





|      |  |             |
|------|--|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |             |
| ANT  | 802.11b CH06 2437MHz - R   |             |
| 1+2  | Vertical   | Fundamental |
| Peak | <p>Site : 03CH13-HY<br/>Condition : PCAK_BE_74 3m HORN_91200_1212 VERTICAL<br/>Detector : R8W:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 41<br/>Power : 21.5</p> | Left blank  |
| Avg. | <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL<br/>Detector : R8W:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Project : 911635<br/>Mode : 41<br/>Power : 21.5</p>     | Left blank  |

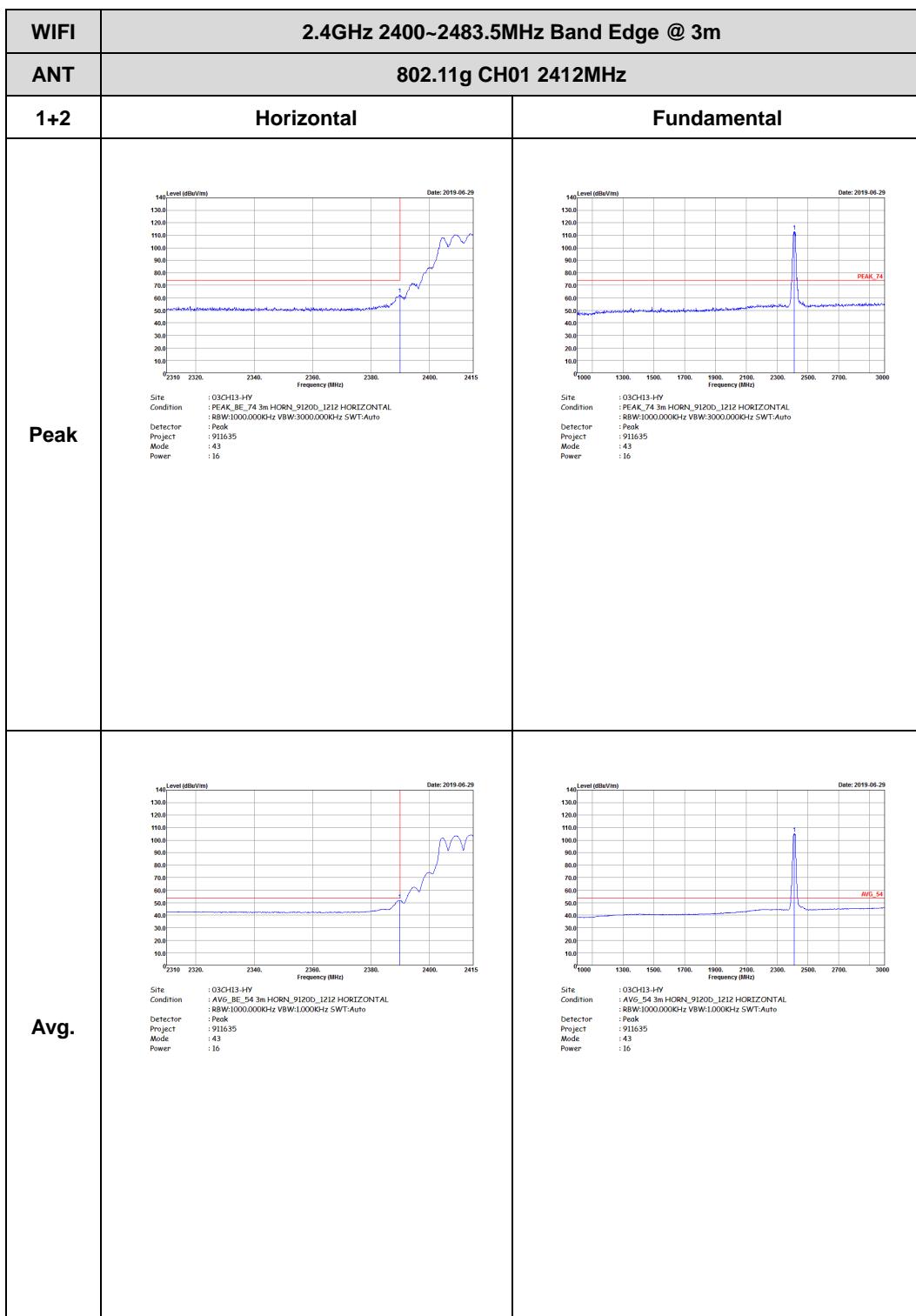


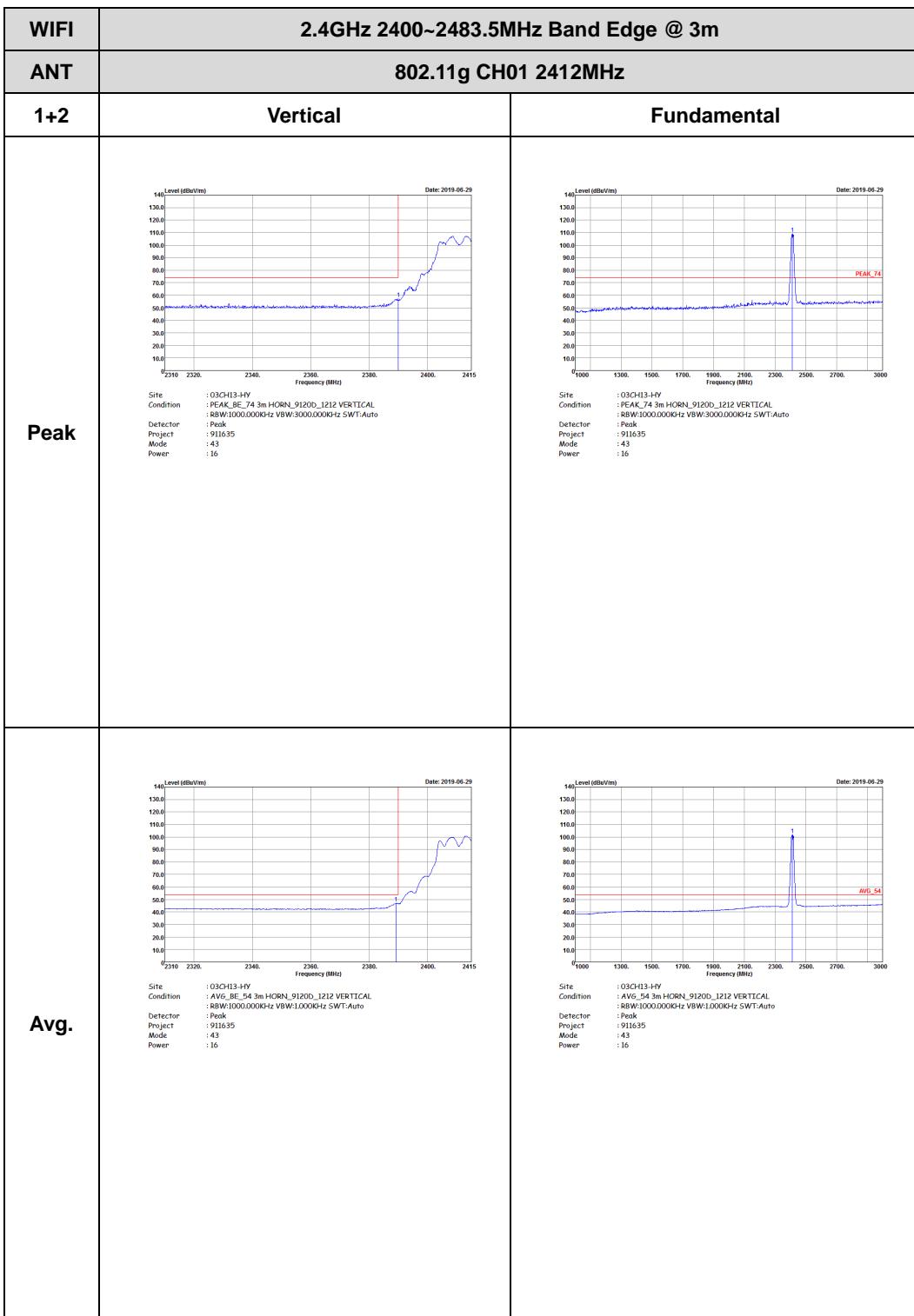


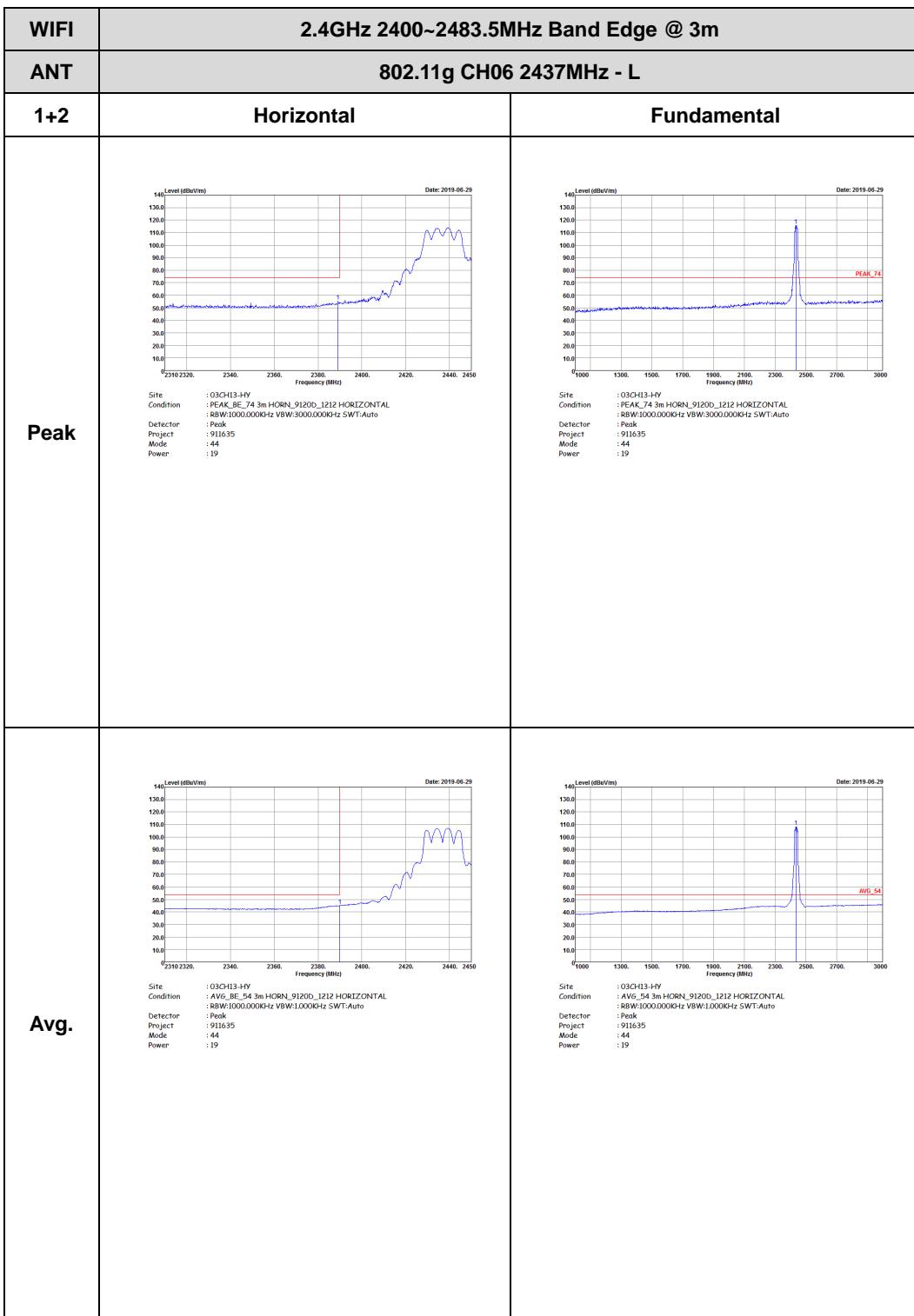


## 2.4GHz 2400~2483.5MHz

## WIFI 802.11g (Band Edge @ 3m)

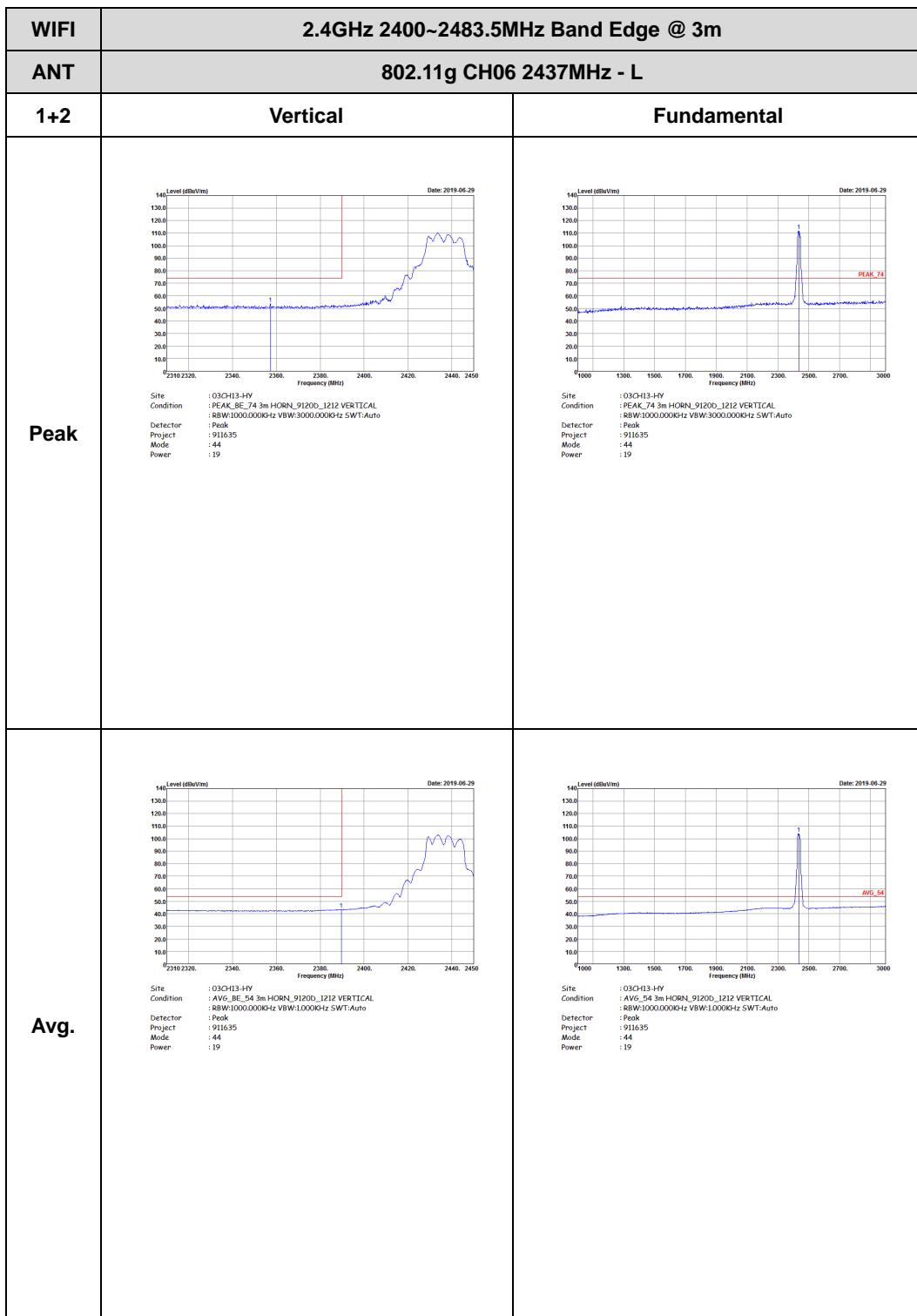




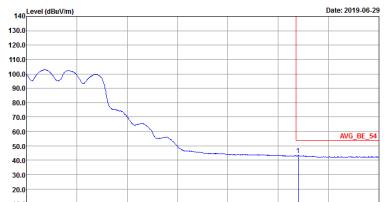


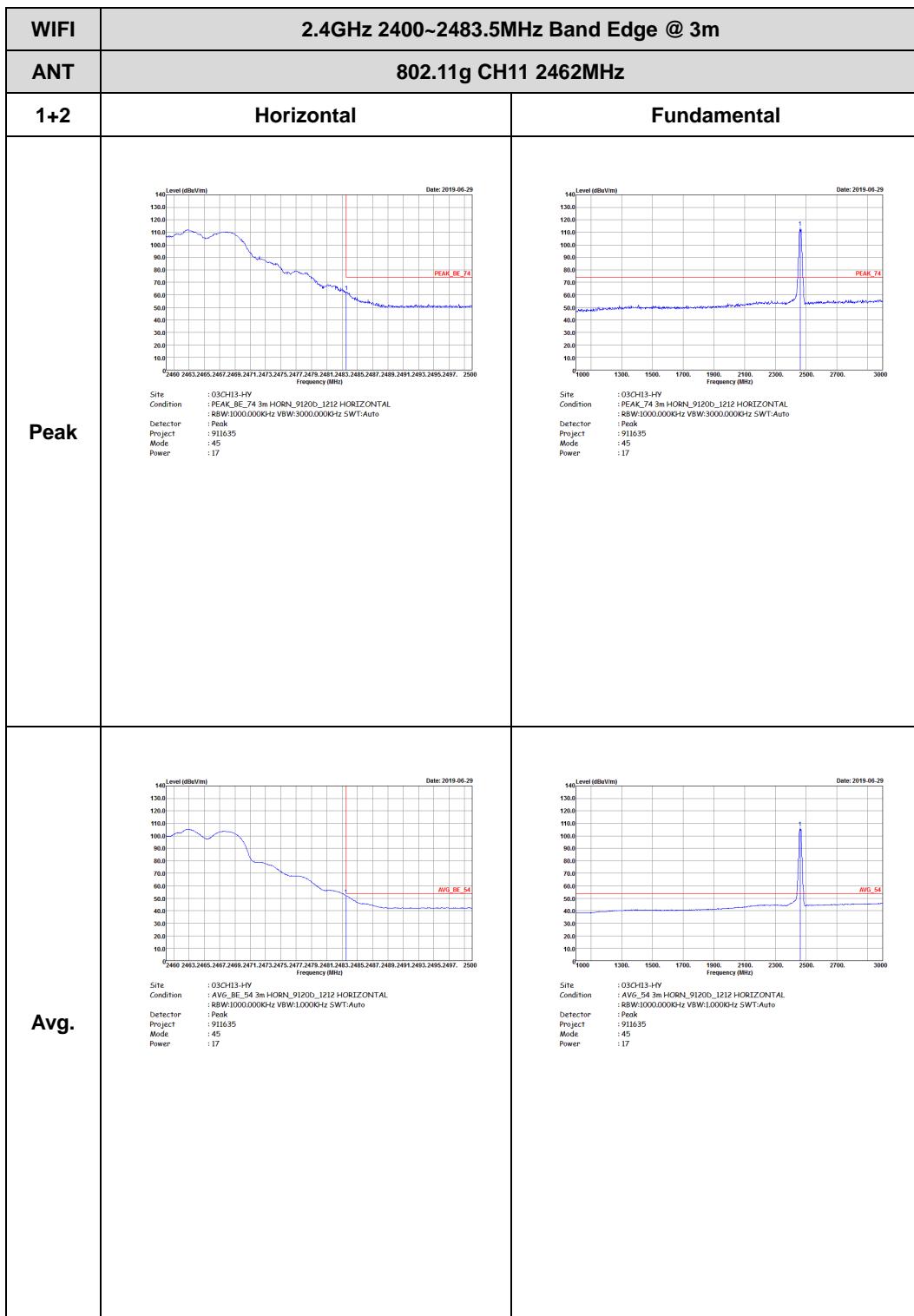


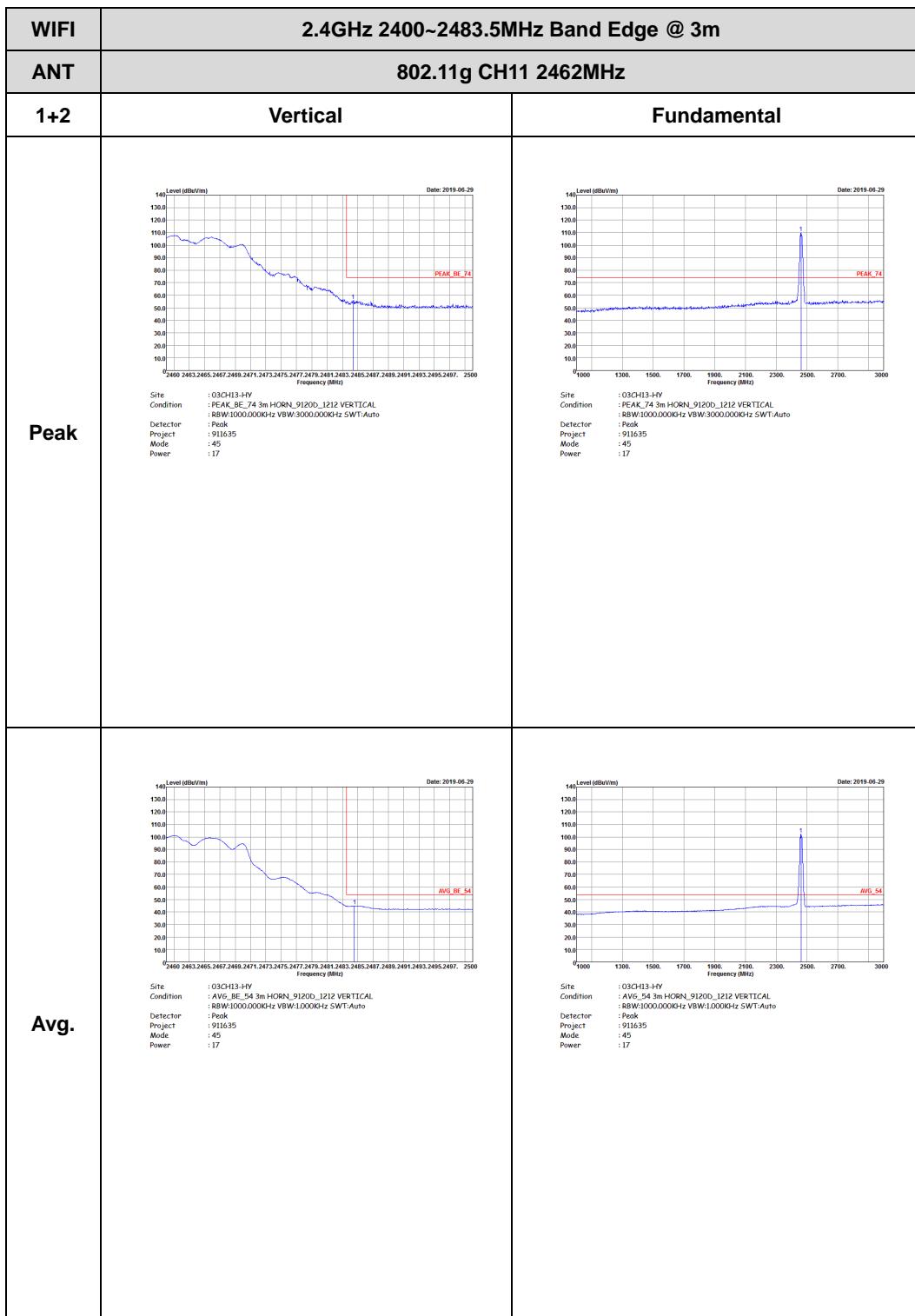
|      |  |             |
|------|--|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |             |
| ANT  | 802.11g CH06 2437MHz - R   |             |
| 1+2  | Horizontal   | Fundamental |
| Peak | <p>Date: 2019-06-29</p> <p>Site : 03CH13-HY<br/>Condition : PCAK_BE_74 3m HORN_91200_1212 HORIZONTAL<br/>Detector : R8W:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 44<br/>Power : 19</p> | Left blank  |
| Avg. | <p>Date: 2019-06-29</p> <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL<br/>Detector : R8W:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 44<br/>Power : 19</p>     | Left blank  |





|      |  |             |
|------|--|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |             |
| ANT  | 802.11g CH06 2437MHz - R   |             |
| 1+2  | Vertical   | Fundamental |
| Peak |  <p>Level (dBm/V/m)</p> <p>Date: 2019-06-29</p> <p>Site : 03CH13-HV<br/>Condition : PCAK_BE_74 3m HORN_91200_1212 VERTICAL<br/>Detector : R8W1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 44<br/>Power : 19</p> | Left Blank  |
| Avg. |  <p>Level (dBm/V/m)</p> <p>Date: 2019-06-29</p> <p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL<br/>Detector : R8W1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 44<br/>Power : 19</p>   | Left Blank  |



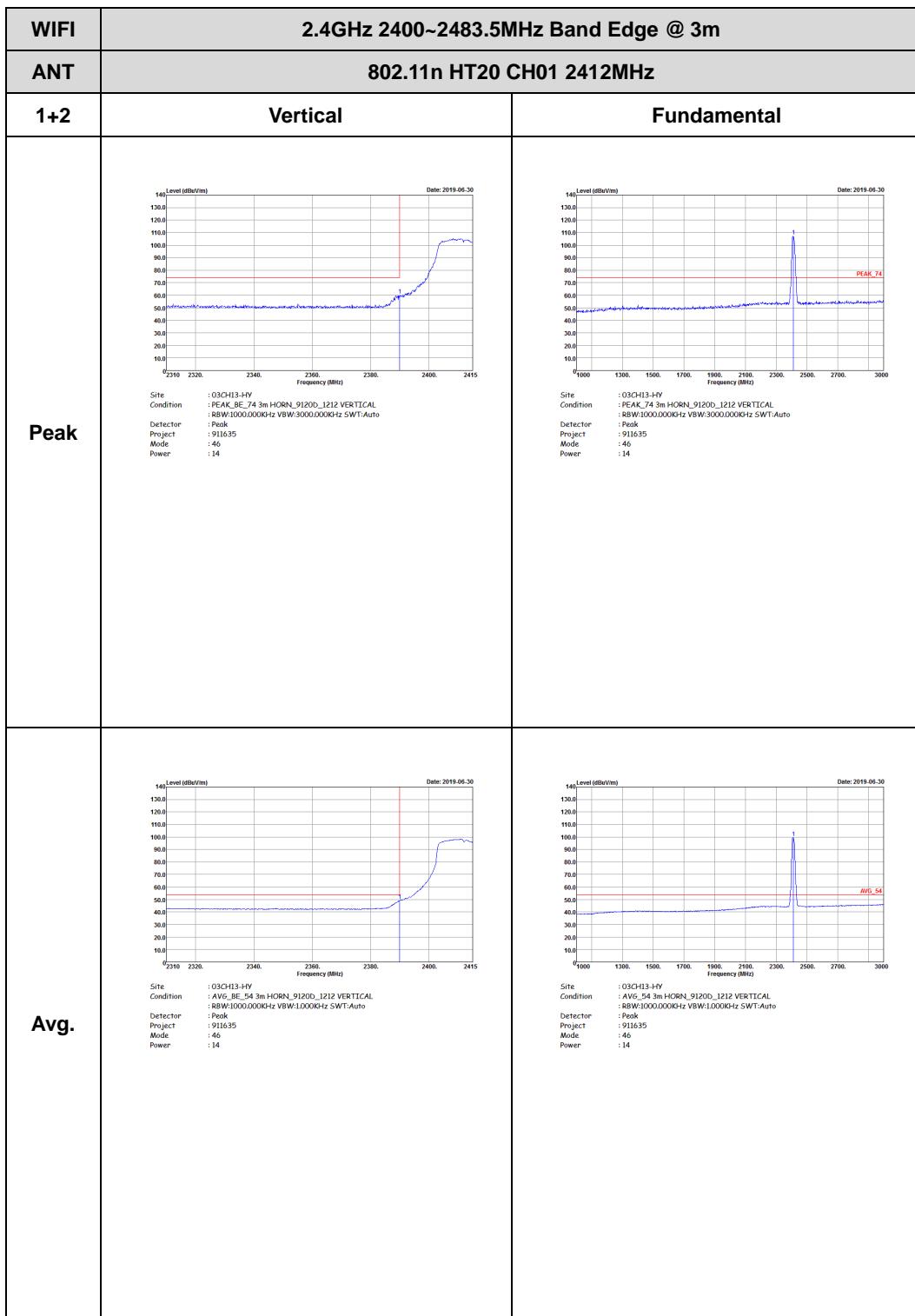


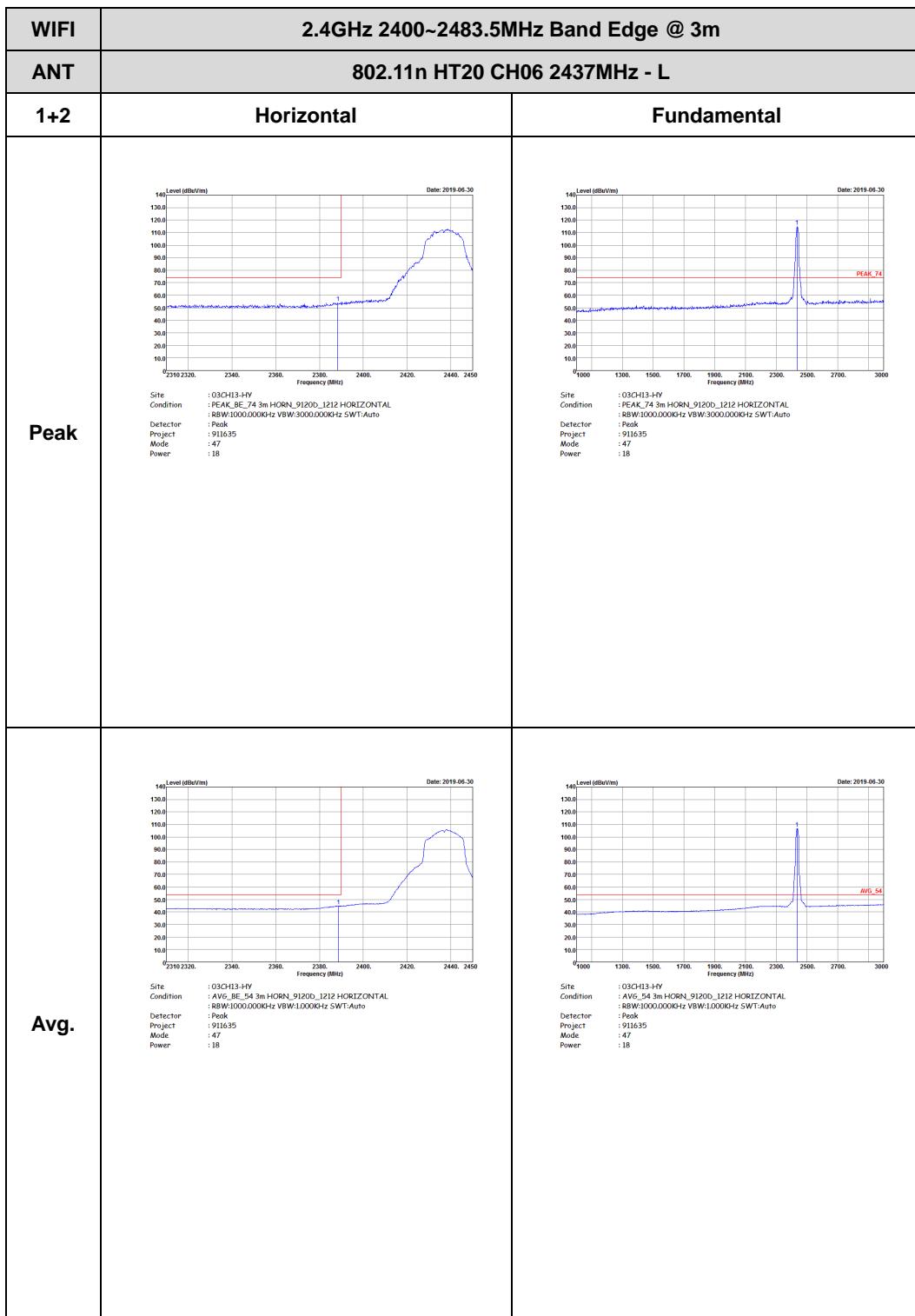


## 2.4GHz 2400~2483.5MHz

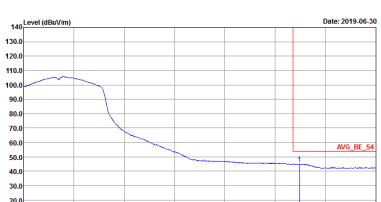
## WIFI 802.11n HT20 (Band Edge @ 3m)

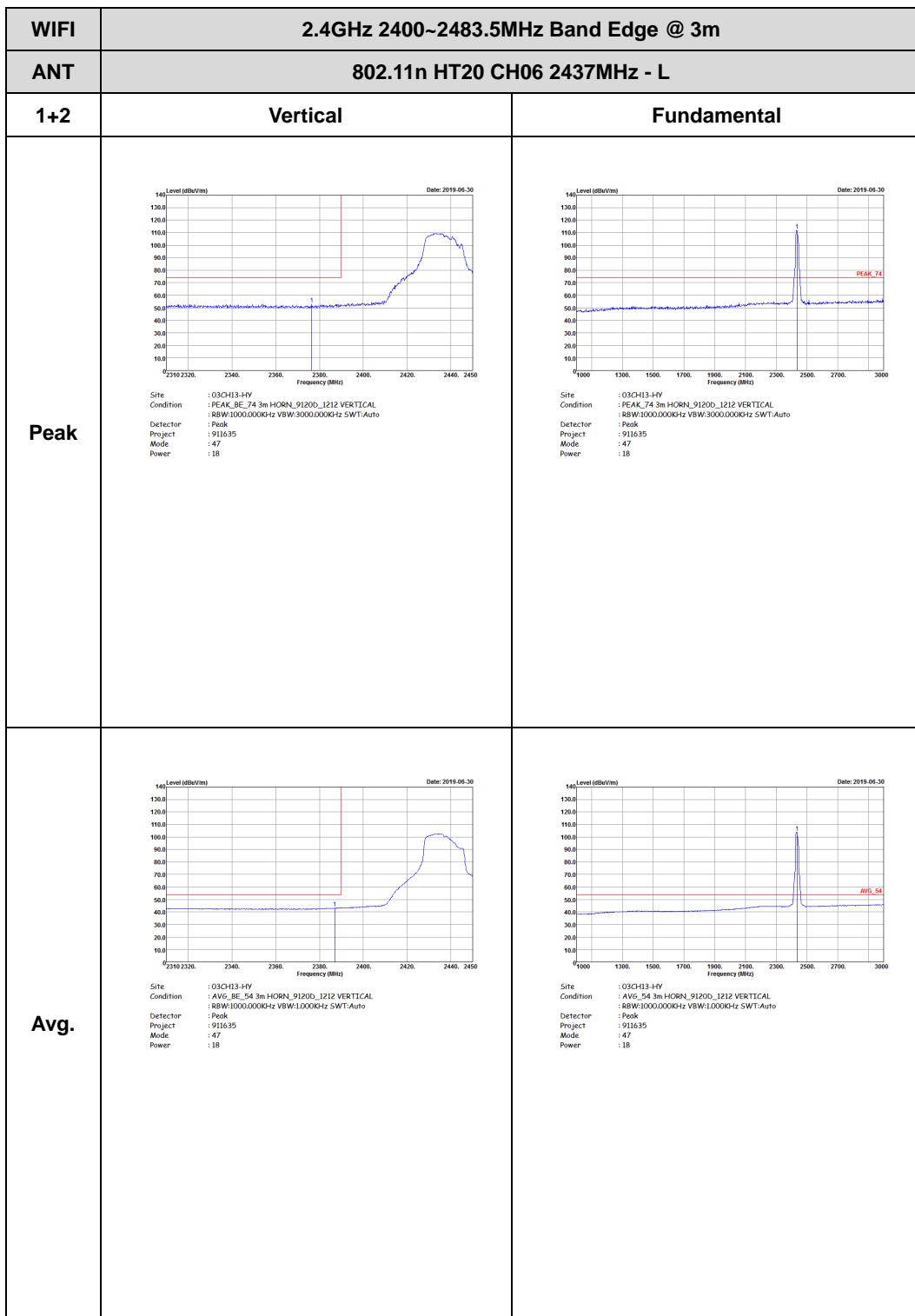
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |   |
|------|--|---|
| ANT  | 802.11n HT20 CH01 2412MHz  |   |
| 1+2  | Horizontal   | Fundamental   |
| Peak | <br>Site : 03CH13-HY<br>Condition : PEAK_BE_74_3m_HORN_9120D_1212_HORIZONTAL<br>Detector : Peak<br>Project : 911635<br>Mode : 46<br>Power : 14<br>Date: 2019-06-30 | <br>Site : 03CH13-HY<br>Condition : PEAK_74_3m_HORN_9120D_1212_HORIZONTAL<br>Detector : Peak<br>Project : 911635<br>Mode : 46<br>Power : 14<br>Date: 2019-06-30 |
| Avg. | <br>Site : 03CH13-HY<br>Condition : AVG_BE_54_3m_HORN_9120D_1212_HORIZONTAL<br>Detector : Peak<br>Project : 911635<br>Mode : 46<br>Power : 14<br>Date: 2019-06-30  | <br>Site : 03CH13-HY<br>Condition : AVG_54_3m_HORN_9120D_1212_HORIZONTAL<br>Detector : Peak<br>Project : 911635<br>Mode : 46<br>Power : 14<br>Date: 2019-06-30  |



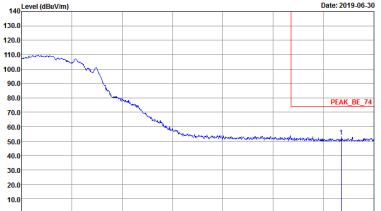
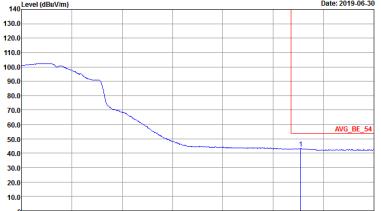


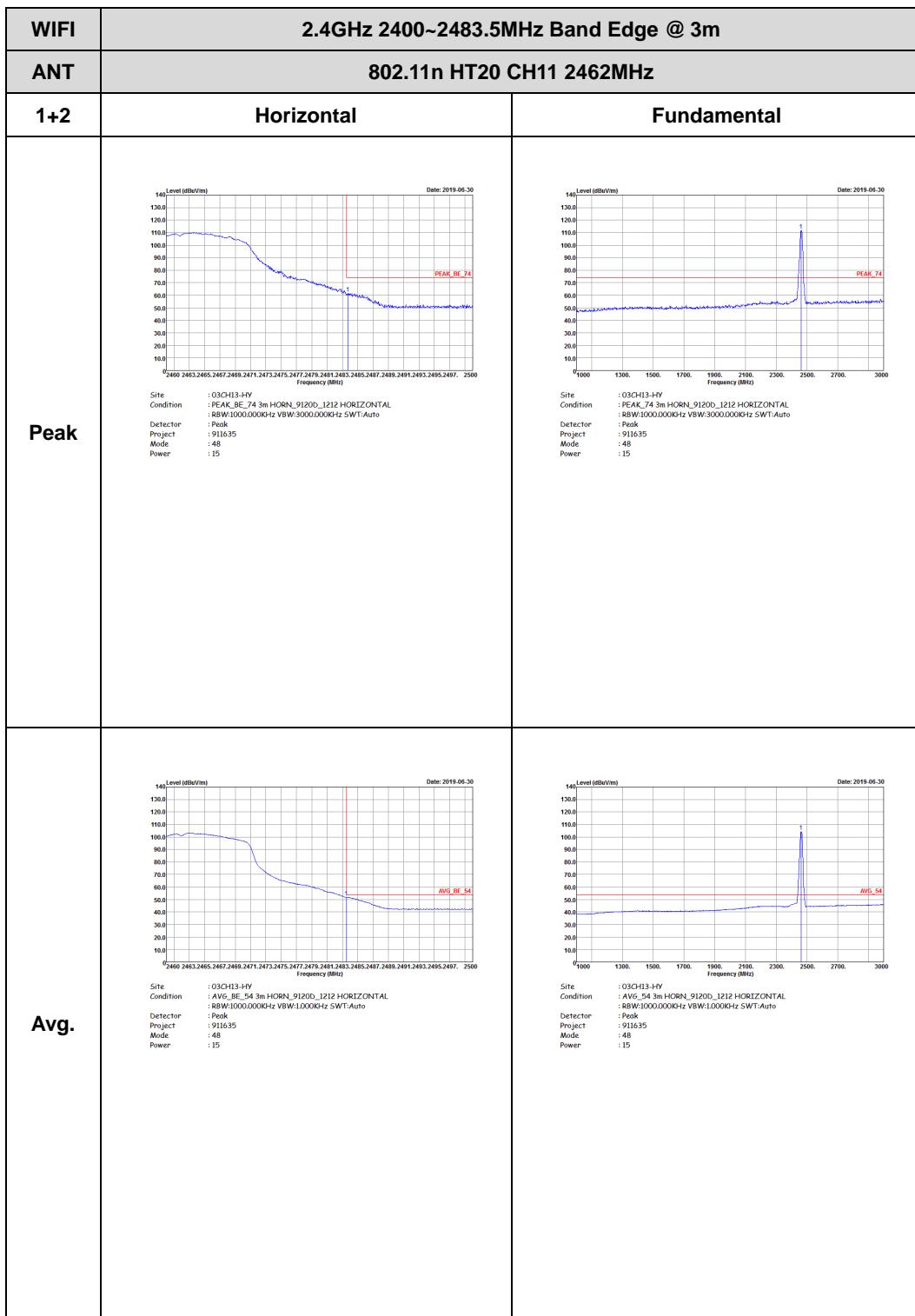


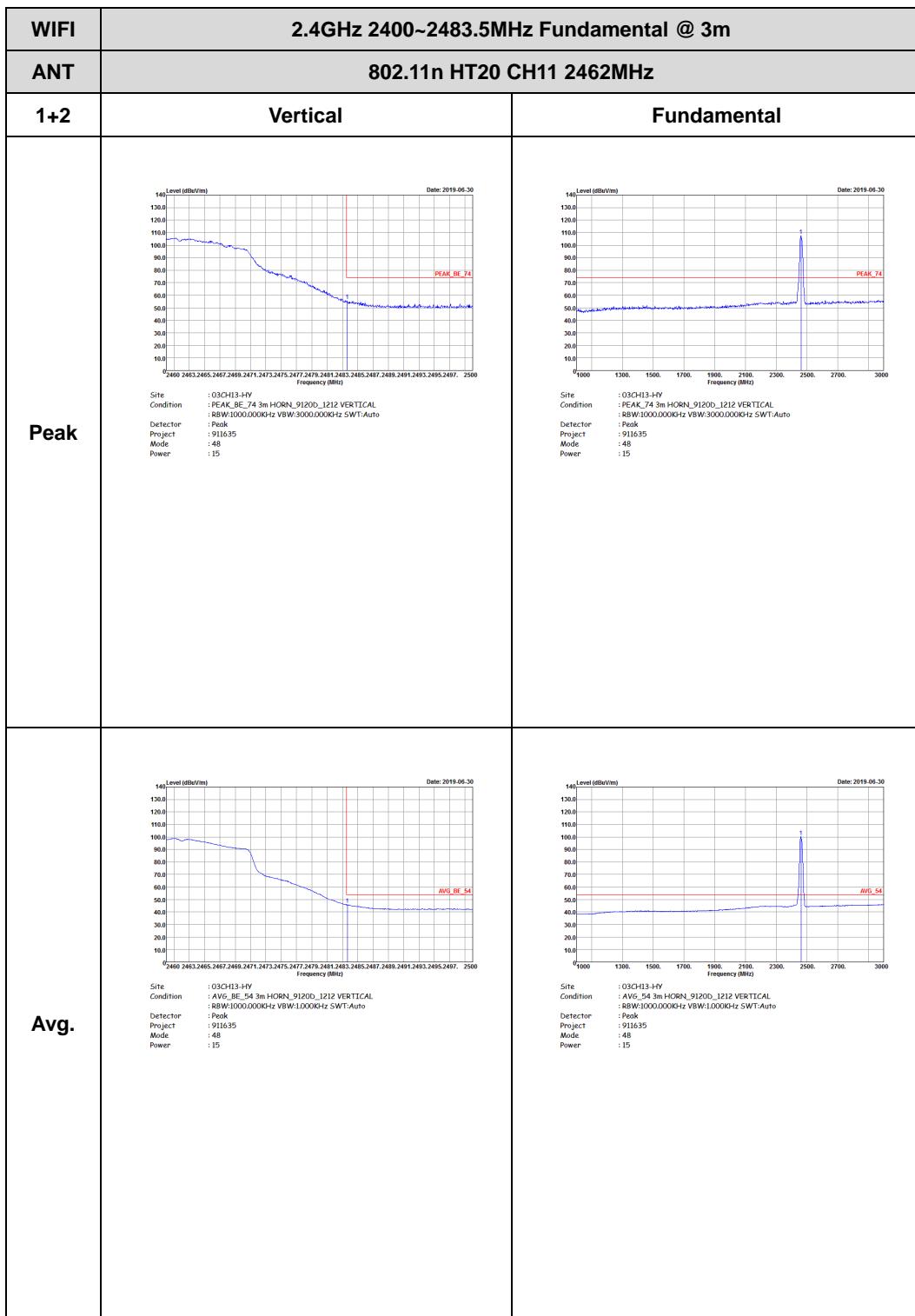
|      |  |             |
|------|--|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |             |
| ANT  | 802.11n HT20 CH06 2437MHz - R  |             |
| 1+2  | Horizontal   | Fundamental |
| Peak |  <p>Level (dBm/m)</p> <p>Date: 2019-06-30</p> <p>PEAK_BE_74</p> <p>Site : 03CH13-HV<br/>Condition : PCAK_BE_74 3m HORN_91200_1212 HORIZONTAL<br/>Detector : R8W1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 47<br/>Power : 18</p> | Left blank  |
| Avg. |  <p>Level (dBm/m)</p> <p>Date: 2019-06-30</p> <p>AVG_BE_54</p> <p>Site : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL<br/>Condition : R8W1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911635<br/>Mode : 47<br/>Power : 18</p>         | Left blank  |





|      |  |             |
|------|--|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |             |
| ANT  | 802.11n HT20 CH06 2437MHz - R  |             |
| 1+2  | Vertical   | Fundamental |
| Peak |  <p>Level (dBm/V/m)</p> <p>Date: 2019-06-30</p> <p>Site : 03CH13-HV<br/>Condition : PCAK_BE_74 3m HORN_91200_1212 VERTICAL<br/>Detector : R8W1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 911635<br/>Power : 18</p> | Left Blank  |
| Avg. |  <p>Level (dBm/V/m)</p> <p>Date: 2019-06-30</p> <p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL<br/>Detector : R8W1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 911635<br/>Power : 18</p>   | Left Blank  |







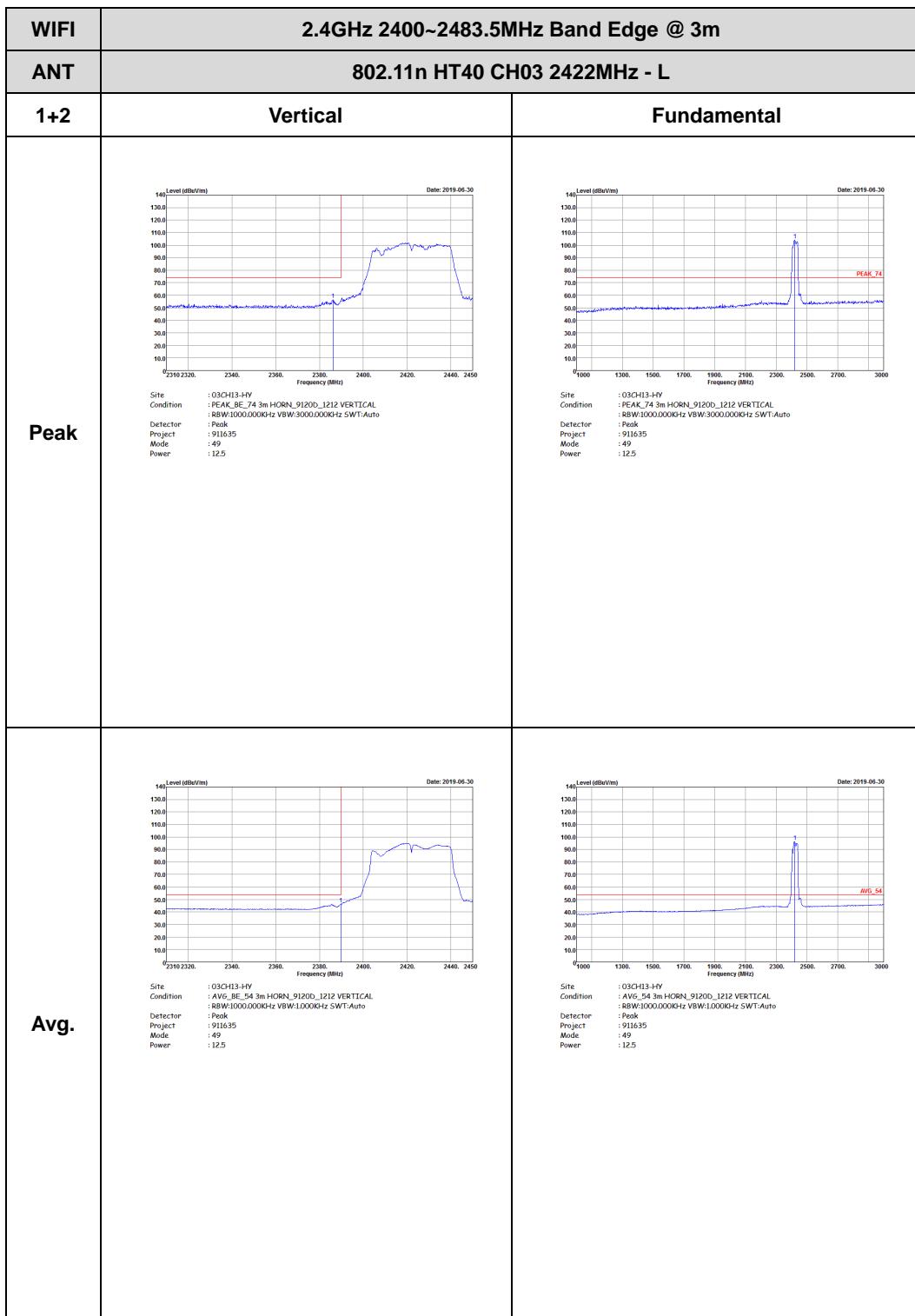
## 2.4GHz 2400~2483.5MHz

## WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |  |
|------|---|--|
| ANT  | 802.11n HT40 CH03 2422MHz - L   |  |
| 1+2  | Horizontal  | Fundamental  |
| Peak | <br>Site : 03G-H3-HY<br>Condition : PEAK_BE_74.3m HORN_9120D_1212 HORIZONTAL<br>Detector : R8W:1000.0000kHz VBW:3000.0000Hz SWT:Auto<br>Project : 911635<br>Mode : 49<br>Power : 12.5 | <br>Site : 03G-H3-HY<br>Condition : PEAK_74.3m HORN_9120D_1212 HORIZONTAL<br>Detector : R8W:1000.0000kHz VBW:3000.0000Hz SWT:Auto<br>Project : 911635<br>Mode : 49<br>Power : 12.5 |
| Avg. | <br>Site : 03G-H3-HY<br>Condition : AVG_BE_54.3m HORN_9120D_1212 HORIZONTAL<br>Detector : R8W:1000.0000kHz VBW:1.0000Hz SWT:Auto<br>Project : 911635<br>Mode : 49<br>Power : 12.5     | <br>Site : 03G-H3-HY<br>Condition : AVG_54.3m HORN_9120D_1212 HORIZONTAL<br>Detector : R8W:1000.0000kHz VBW:1.0000Hz SWT:Auto<br>Project : 911635<br>Mode : 49<br>Power : 12.5     |

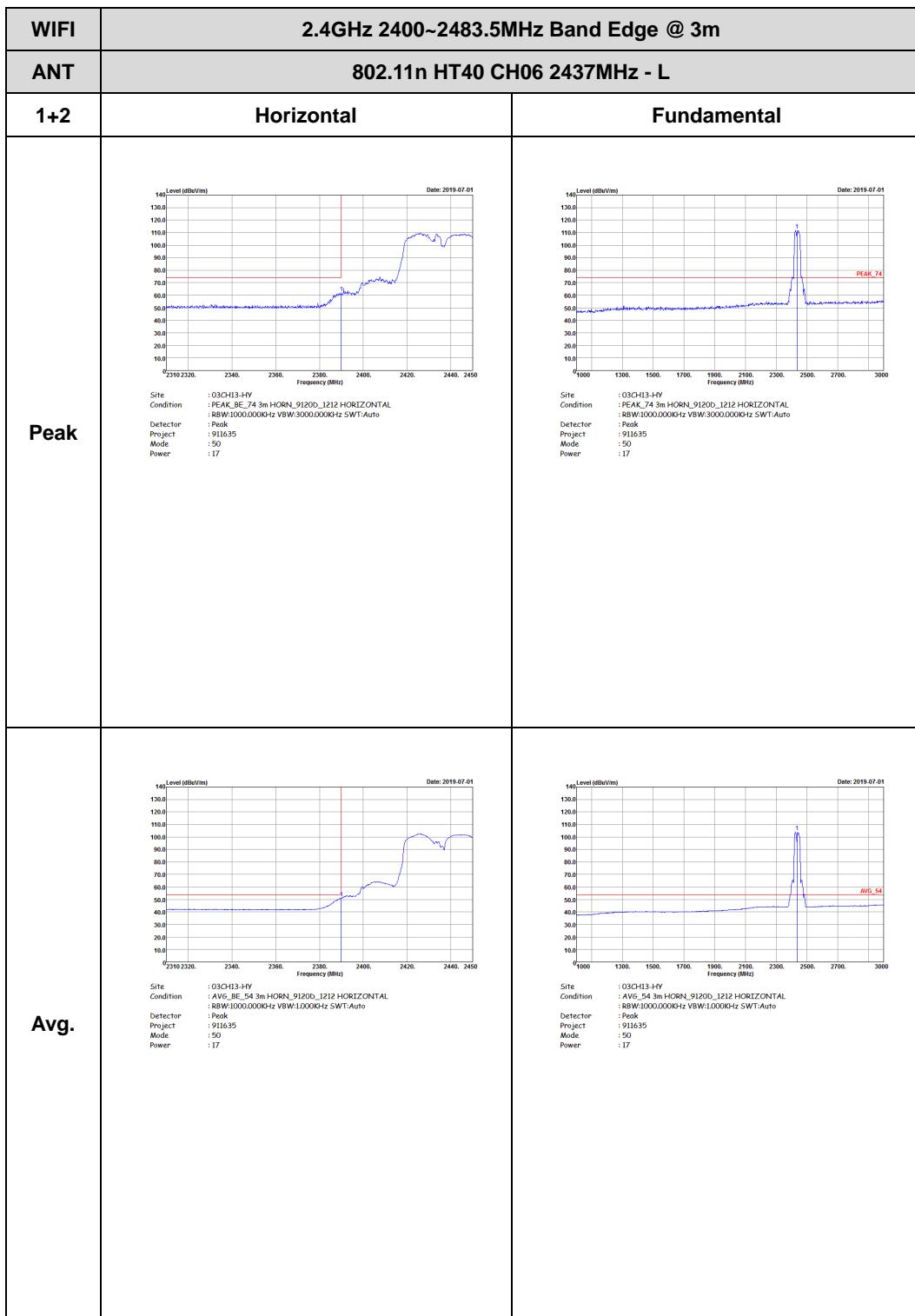


|      |  |             |
|------|--|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |             |
| ANT  | 802.11n HT40 CH03 2422MHz - R  |             |
| 1+2  | Horizontal   | Fundamental |
| Peak |  <p>Level (dBm/V/m)</p> <p>Date: 2019-06-30</p> <p>Site : 03CH13-HV<br/>Condition : PCAK_BE_74 3m HORN_91200_1212 HORIZONTAL<br/>Detector : R8W1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 49<br/>Power : 12.5</p> | Left Blank  |
| Avg. |  <p>Level (dBm/V/m)</p> <p>Date: 2019-06-30</p> <p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL<br/>Detector : R8W1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 49<br/>Power : 12.5</p>   | Left Blank  |



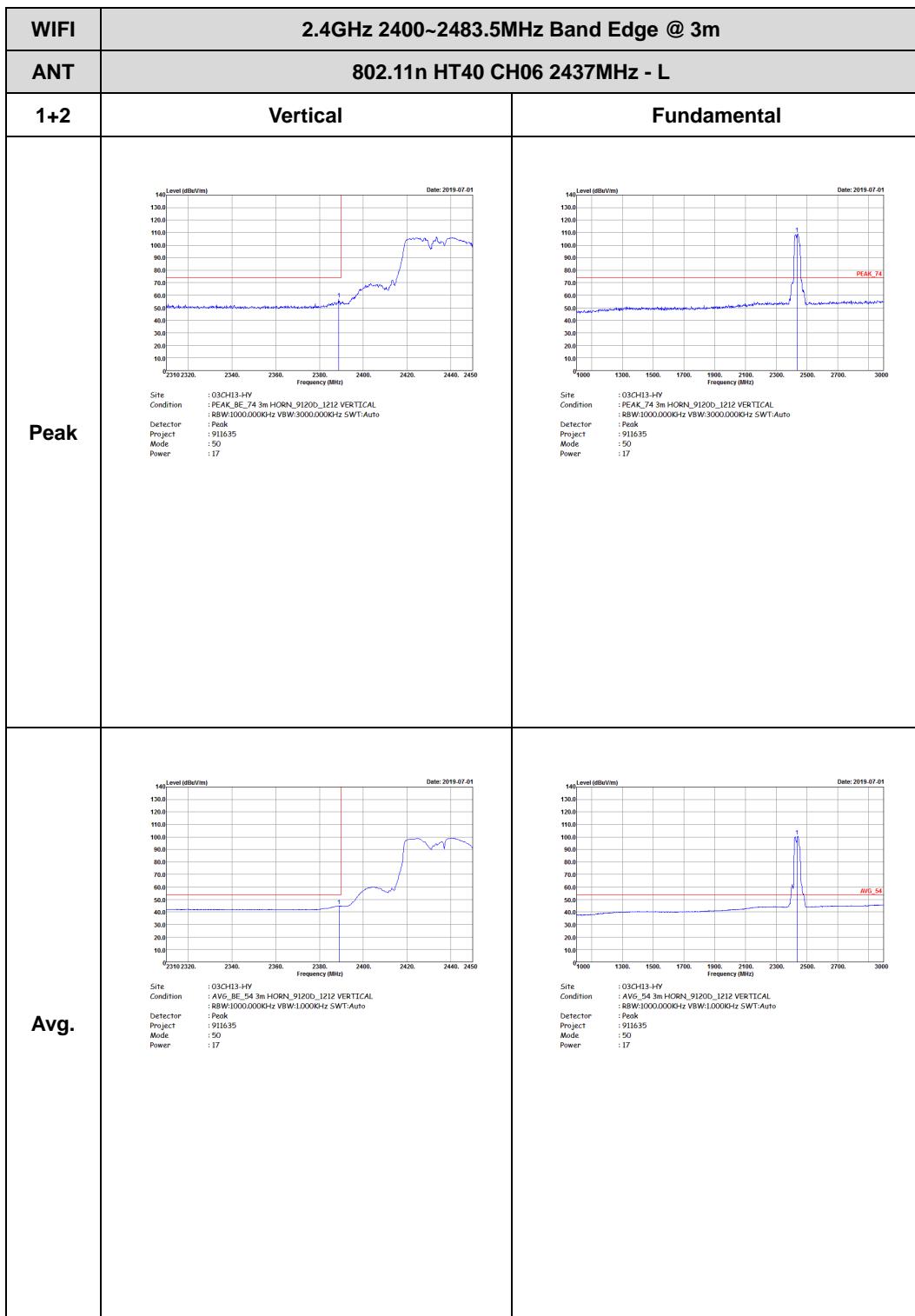


|      |   |             |
|------|---|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |             |
| ANT  | 802.11n HT40 CH03 2422MHz - R   |             |
| 1+2  | Vertical  | Fundamental |
| Peak | <p>Site : 03CH13-HV<br/>Condition : PCMK_BE_74 3m HORN_91200_1212 VERTICAL<br/>Detector : R8W1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 49<br/>Power : 12.5</p> | Left blank  |
| Avg. | <p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL<br/>Detector : R8W1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 49<br/>Power : 12.5</p>     | Left blank  |



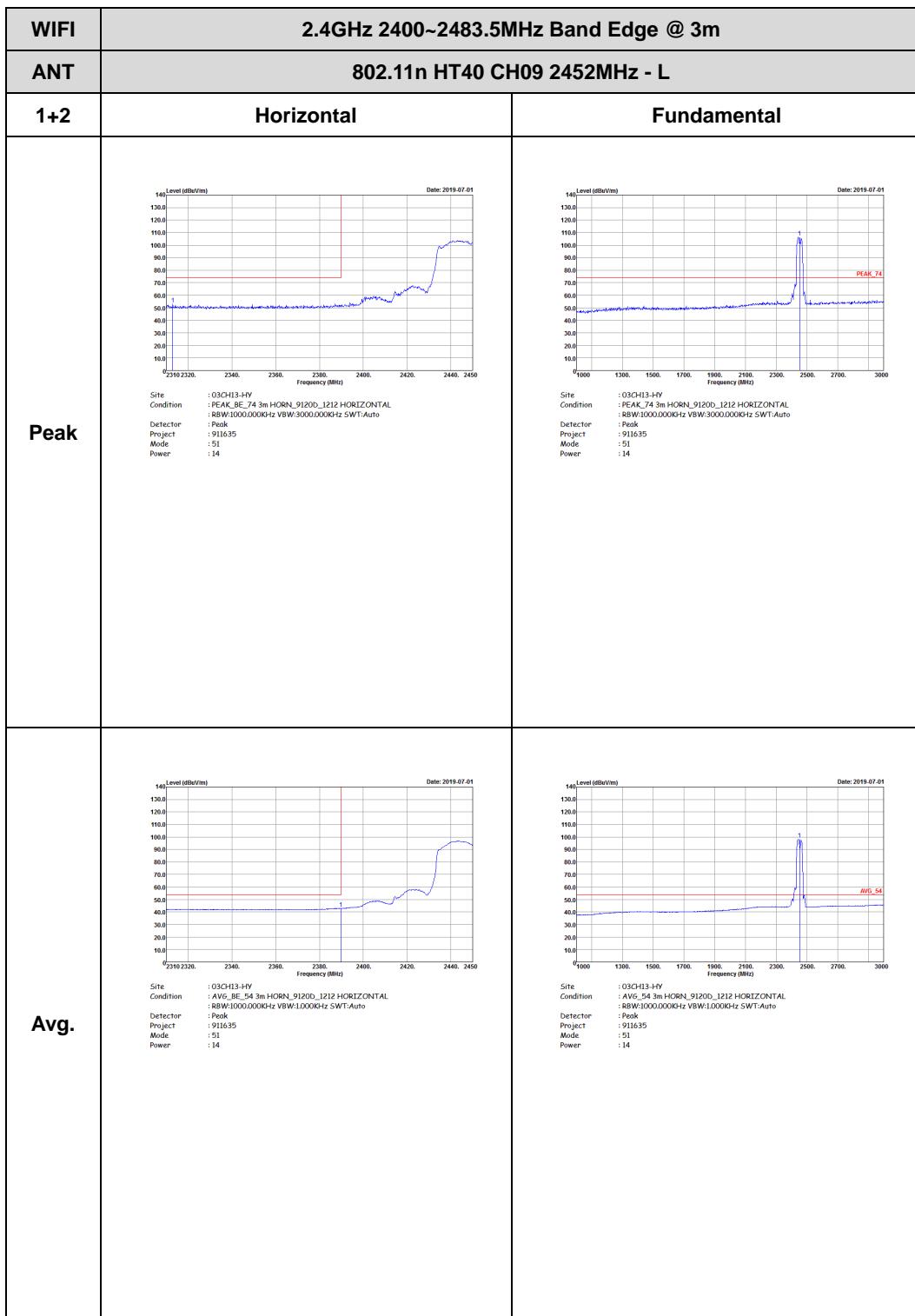


|      |  |             |
|------|--|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |             |
| ANT  | 802.11n HT40 CH06 2437MHz - R  |             |
| 1+2  | Horizontal   | Fundamental |
| Peak |  <p>Level (dBm/V/m)</p> <p>Date: 2019-07-01</p> <p>Site : 03CH13-HV<br/>Condition : PCAK_BE_74 3m HORN_91200_1212 HORIZONTAL<br/>Detector : R8W1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 50<br/>Power : 17</p> | Left blank  |
| Avg. |  <p>Level (dBm/V/m)</p> <p>Date: 2019-07-01</p> <p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL<br/>Detector : R8W1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 50<br/>Power : 17</p>   | Left blank  |

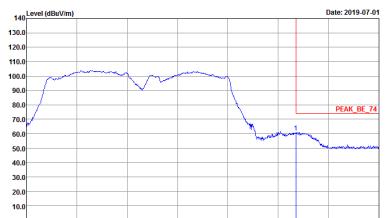


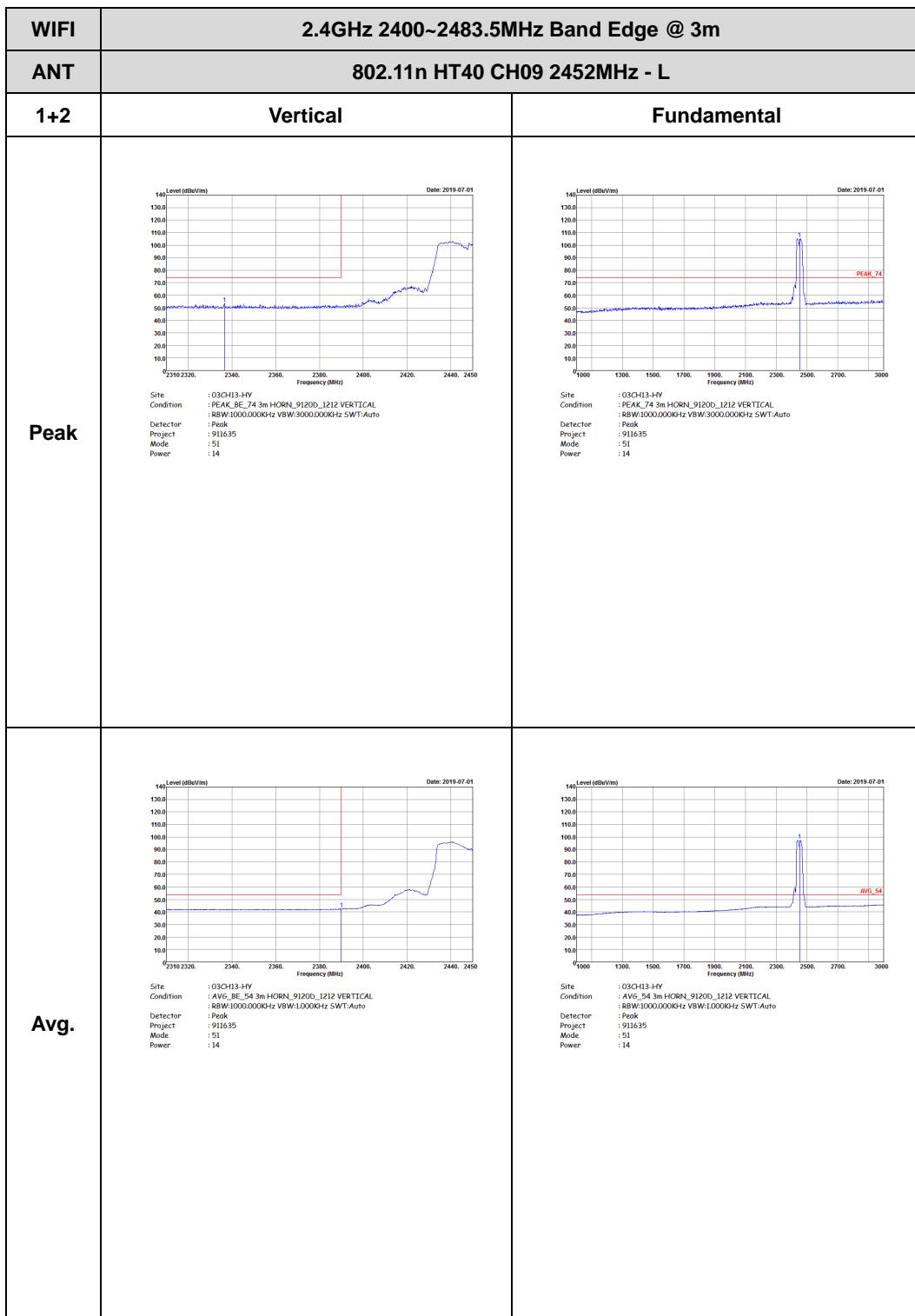


|      |   |             |
|------|---|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |             |
| ANT  | 802.11n HT40 CH06 2437MHz - R   |             |
| 1+2  | Horizontal  | Fundamental |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PCAK_BE_74 3m HORN_91200_1212 VERTICAL<br/>Detector : R8W1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 50<br/>Power : 17</p> | Left blank  |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL<br/>Detector : R8W1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 50<br/>Power : 17</p>   | Left blank  |

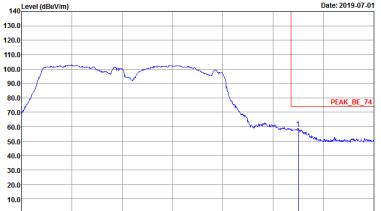
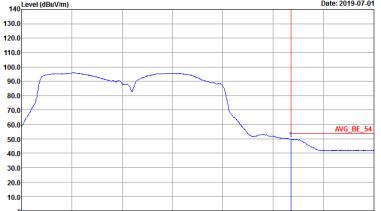




|      |   |             |
|------|---|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |             |
| ANT  | 802.11n HT40 CH09 2452MHz - R   |             |
| 1+2  | Horizontal  | Fundamental |
| Peak |  <p>Level (dBm/V/m)</p> <p>Date: 2019-07-01</p> <p>Frequency (MHz)</p> <p>Site : 03CH13-HV<br/>Condition : PCAK_BE_74 3m HORN_91200_1212 HORIZONTAL<br/>Detector : R8W1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 51<br/>Power : 14</p> | Left blank  |
| Avg. |  <p>Level (dBm/V/m)</p> <p>Date: 2019-07-01</p> <p>Frequency (MHz)</p> <p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL<br/>Detector : R8W1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 51<br/>Power : 14</p>   | Left blank  |



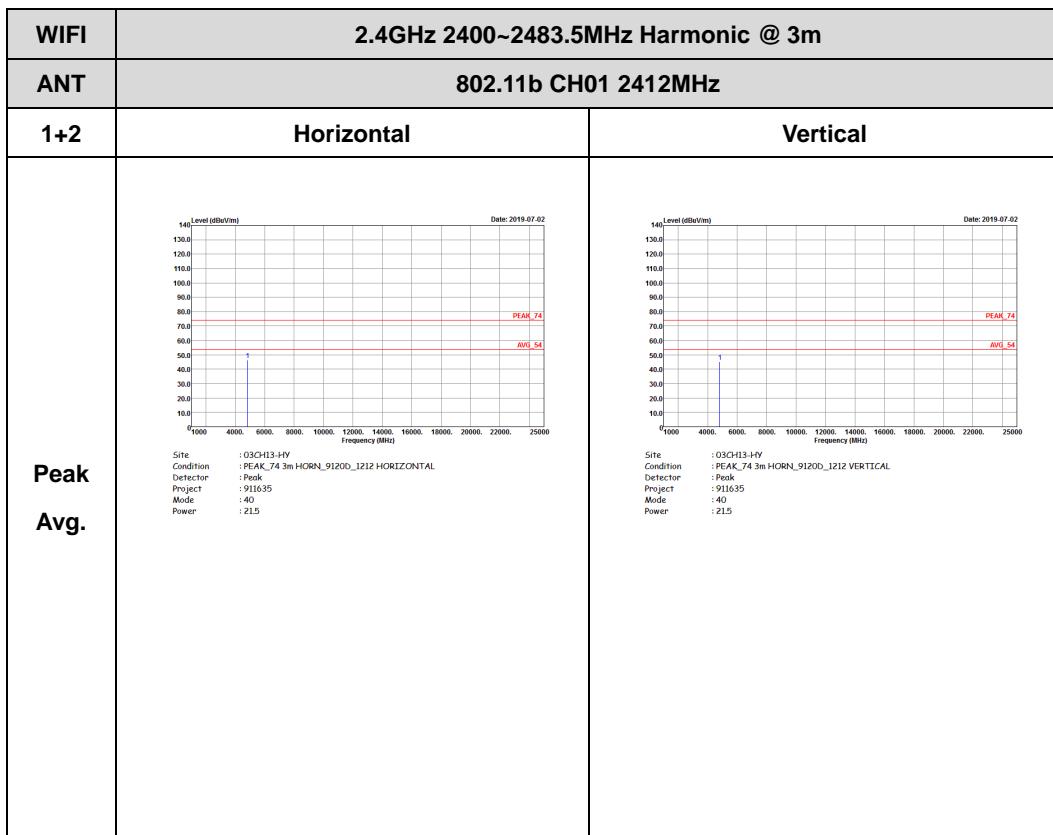


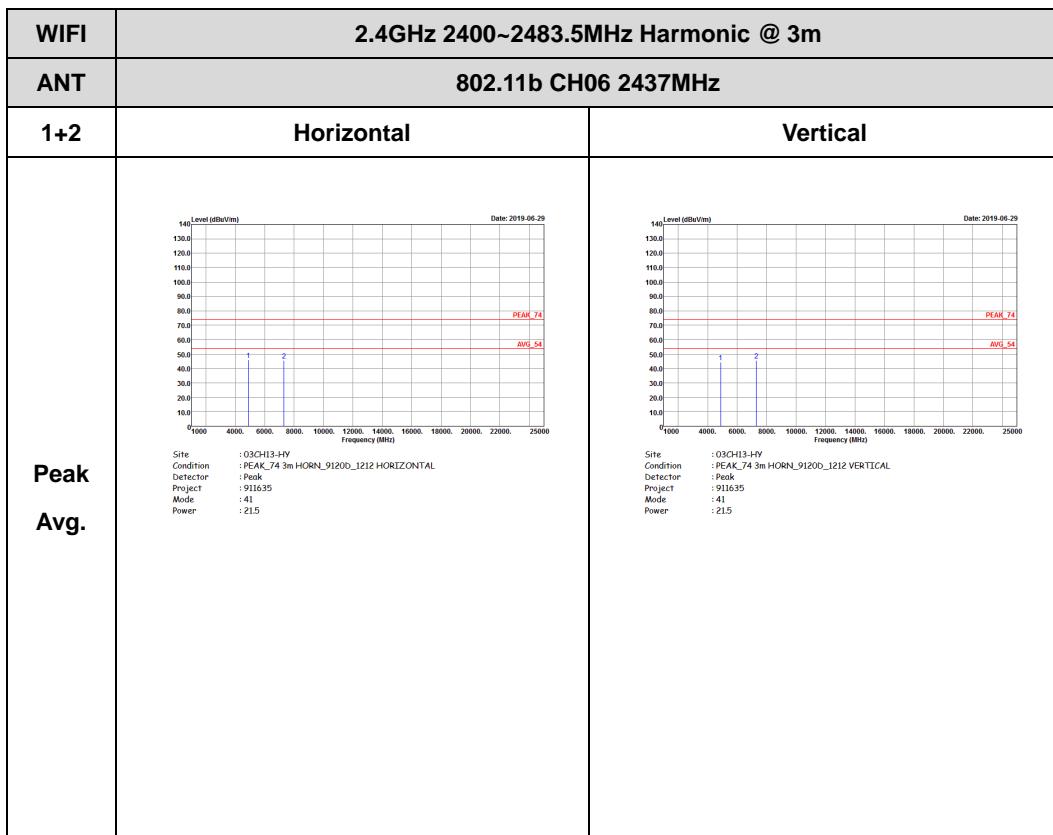
|      |  |             |
|------|--|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |             |
| ANT  | 802.11n HT40 CH09 2452MHz - R  |             |
| 1+2  | Vertical   | Fundamental |
| Peak |  <p>Level (dBm/V/m)</p> <p>Date: 2019-07-01</p> <p>Site : 03CH13-HV<br/>Condition : PCAK_BE_74 3m HORN_91200_1212 VERTICAL<br/>Detector : R8W1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 51<br/>Power : 14</p> | Left blank  |
| Avg. |  <p>Level (dBm/V/m)</p> <p>Date: 2019-07-01</p> <p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL<br/>Detector : R8W1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 51<br/>Power : 14</p>   | Left blank  |

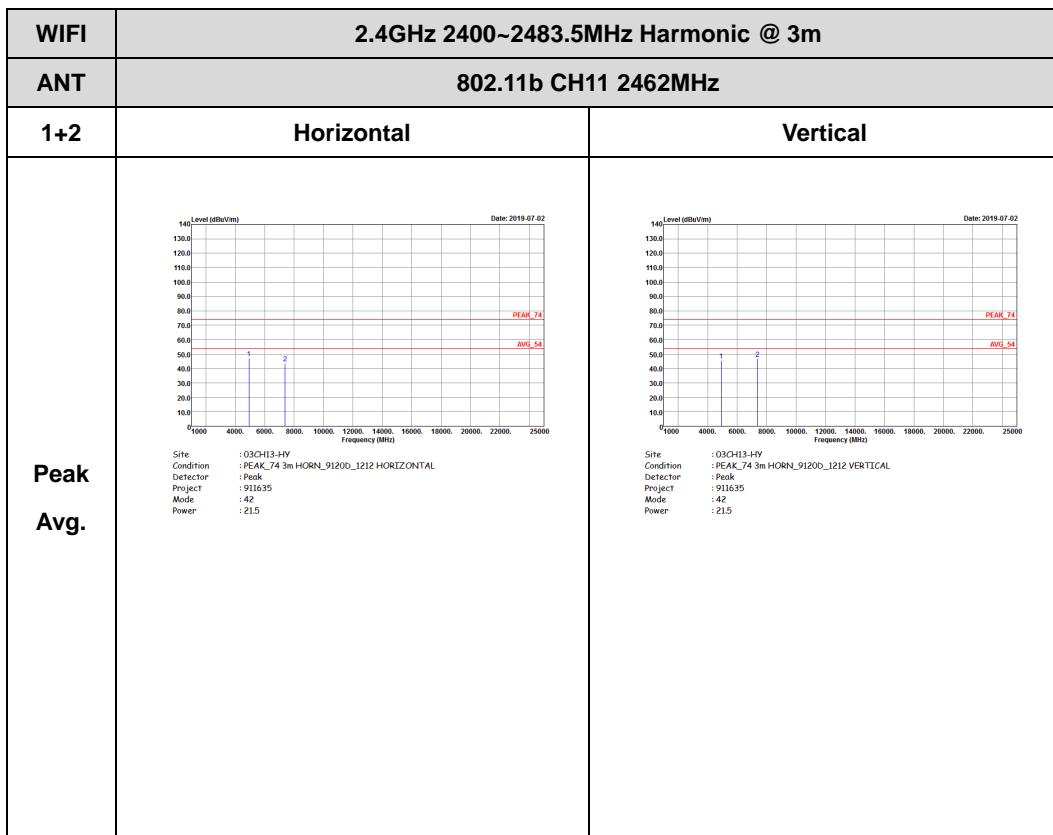


## 2.4GHz 2400~2483.5MHz

## WIFI 802.11b (Harmonic @ 3m)



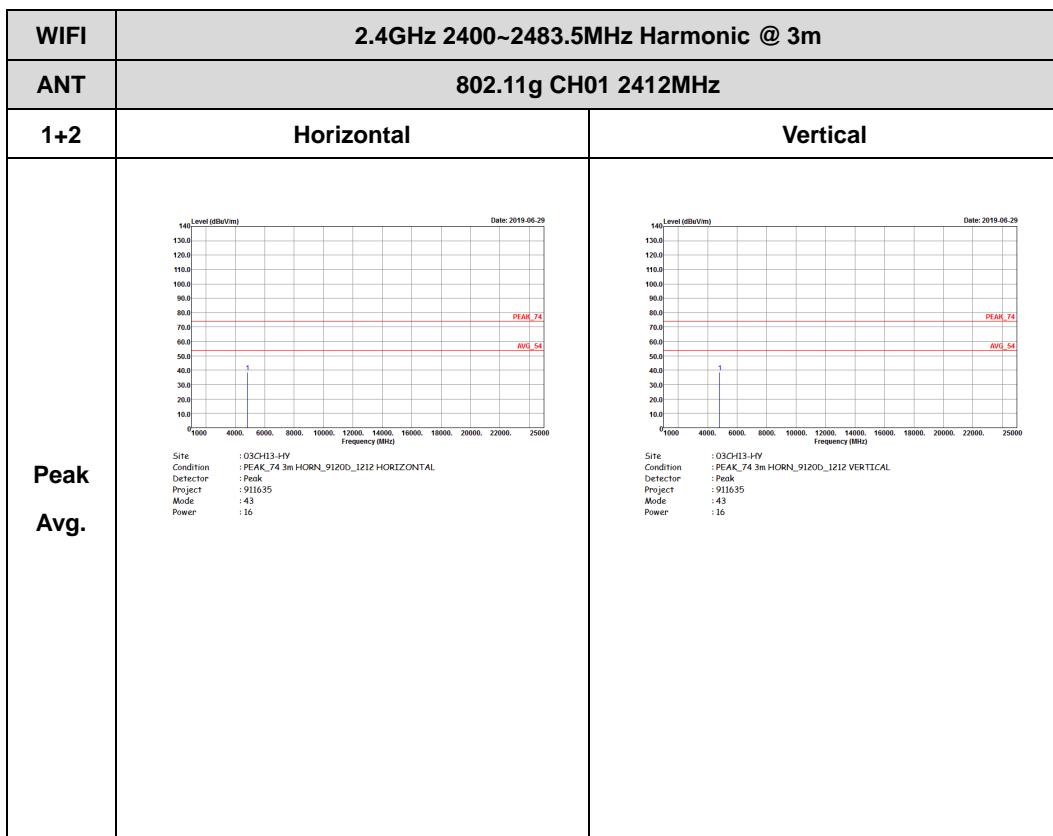


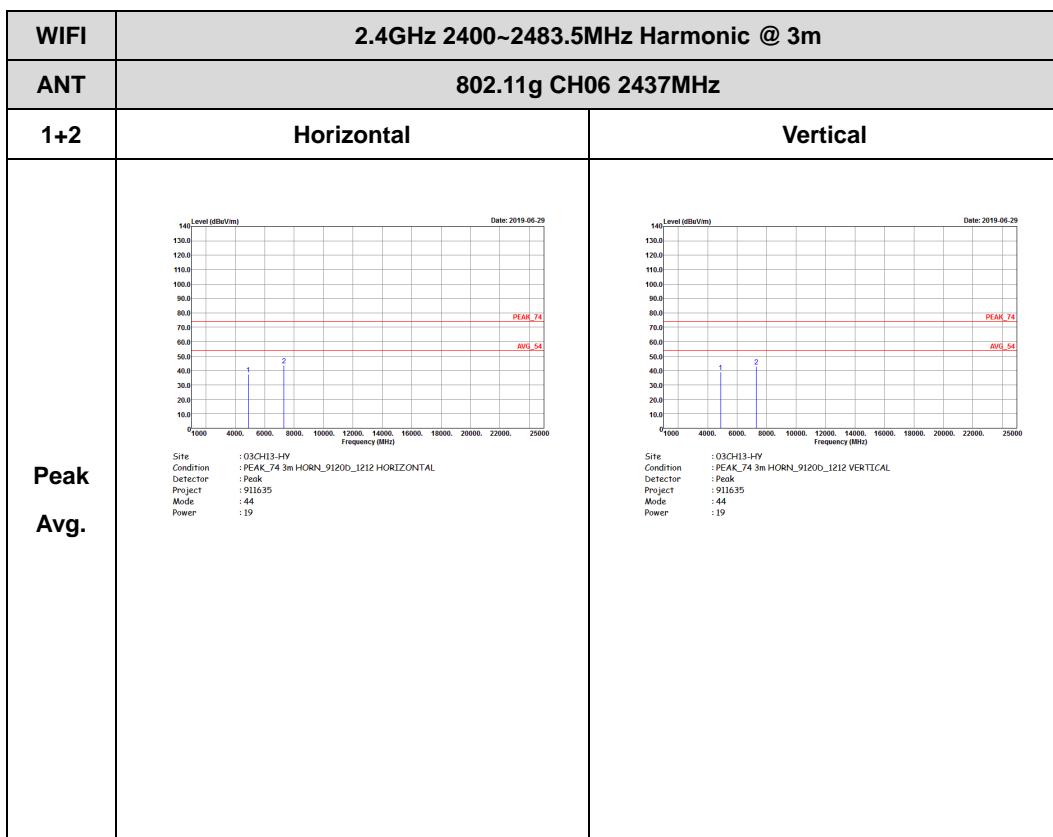


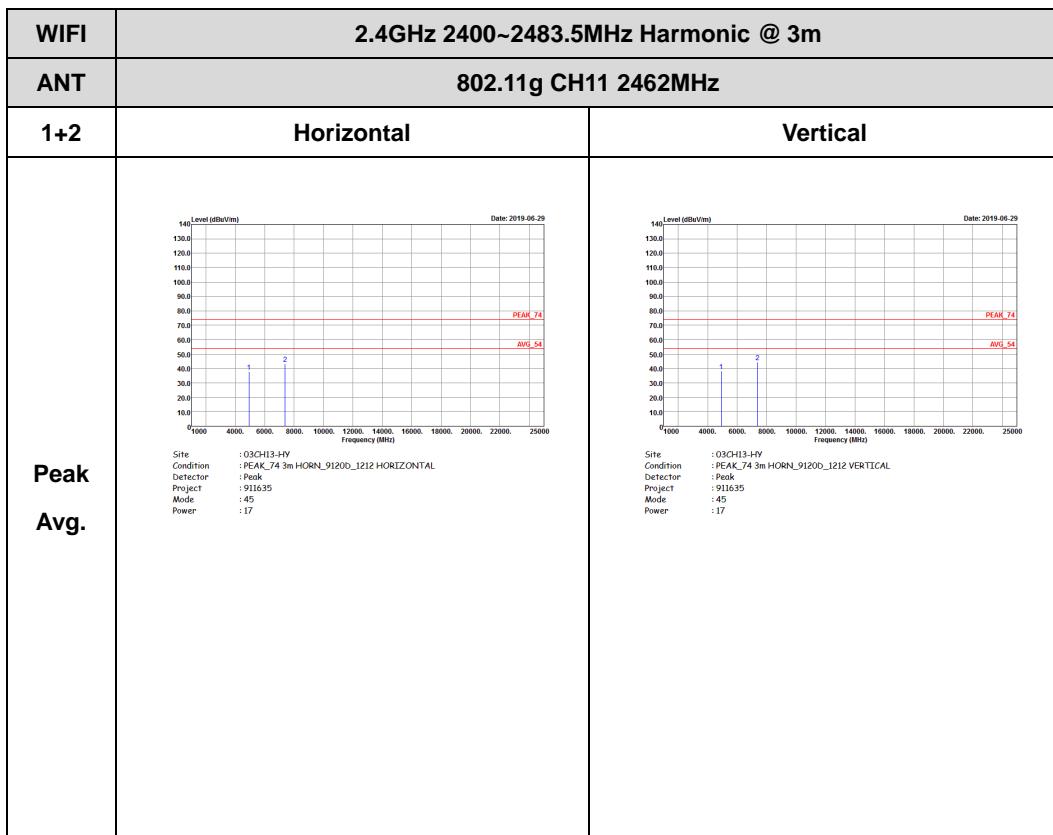


2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)



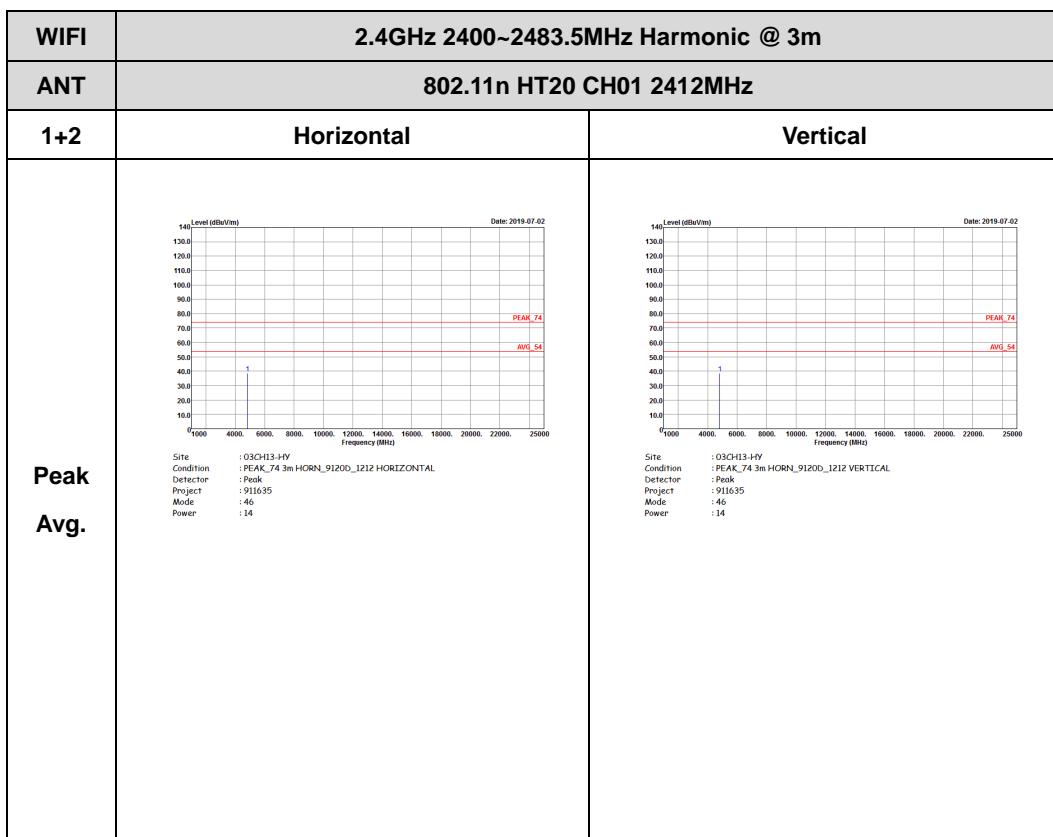


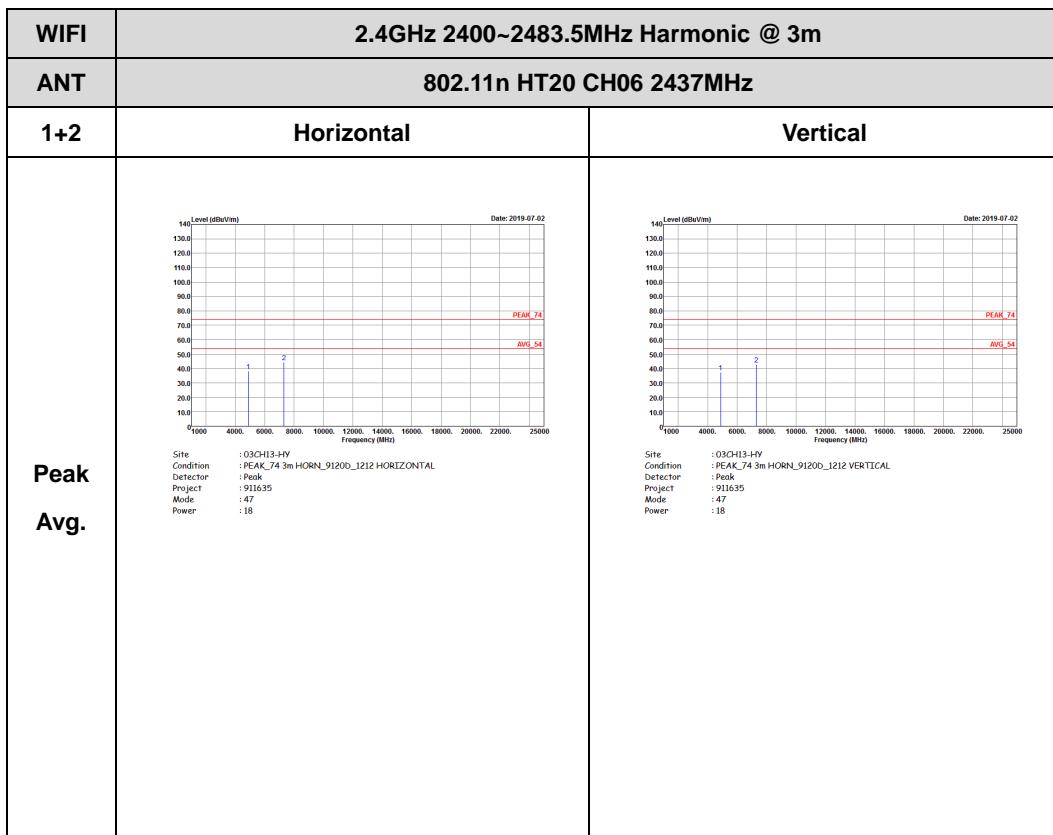


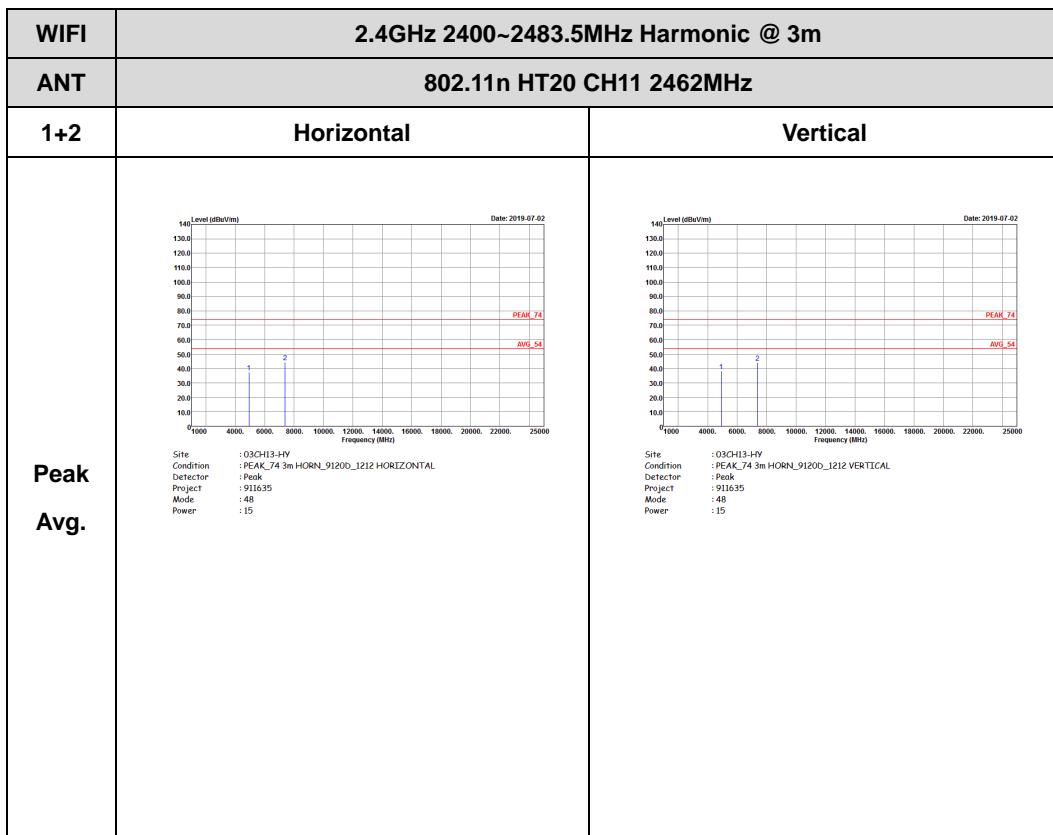


## 2.4GHz 2400~2483.5MHz

## WIFI 802.11n HT20 (Harmonic @ 3m)





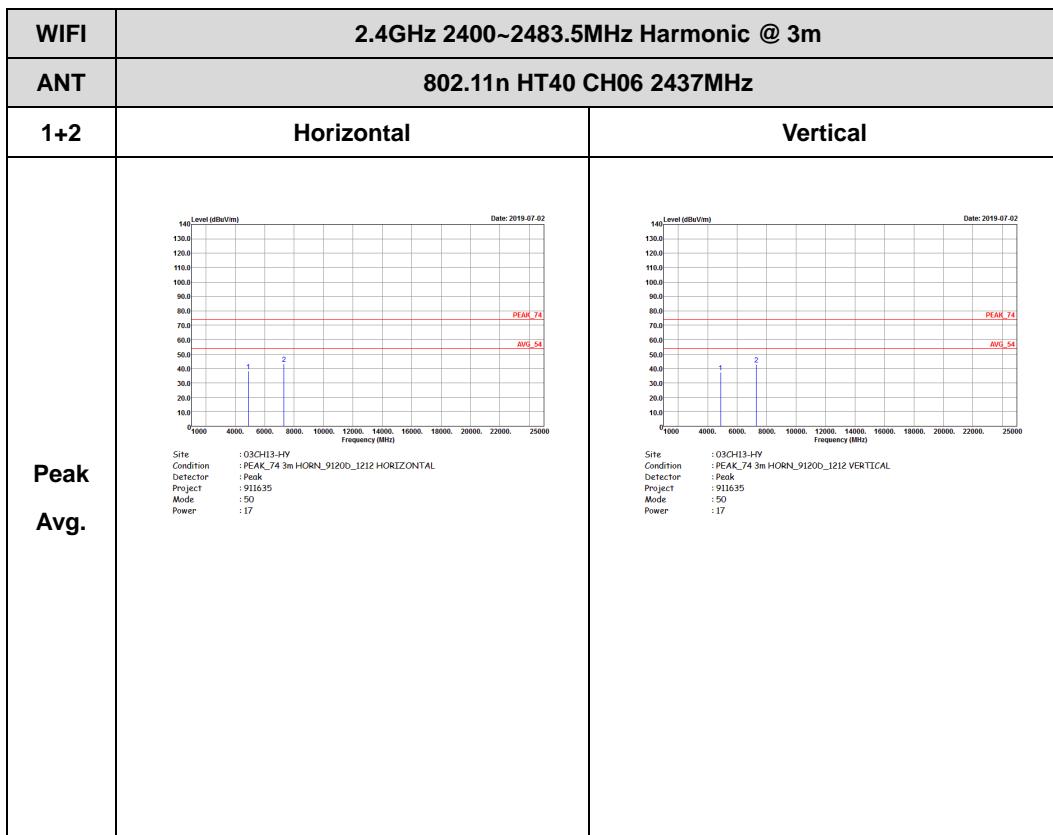


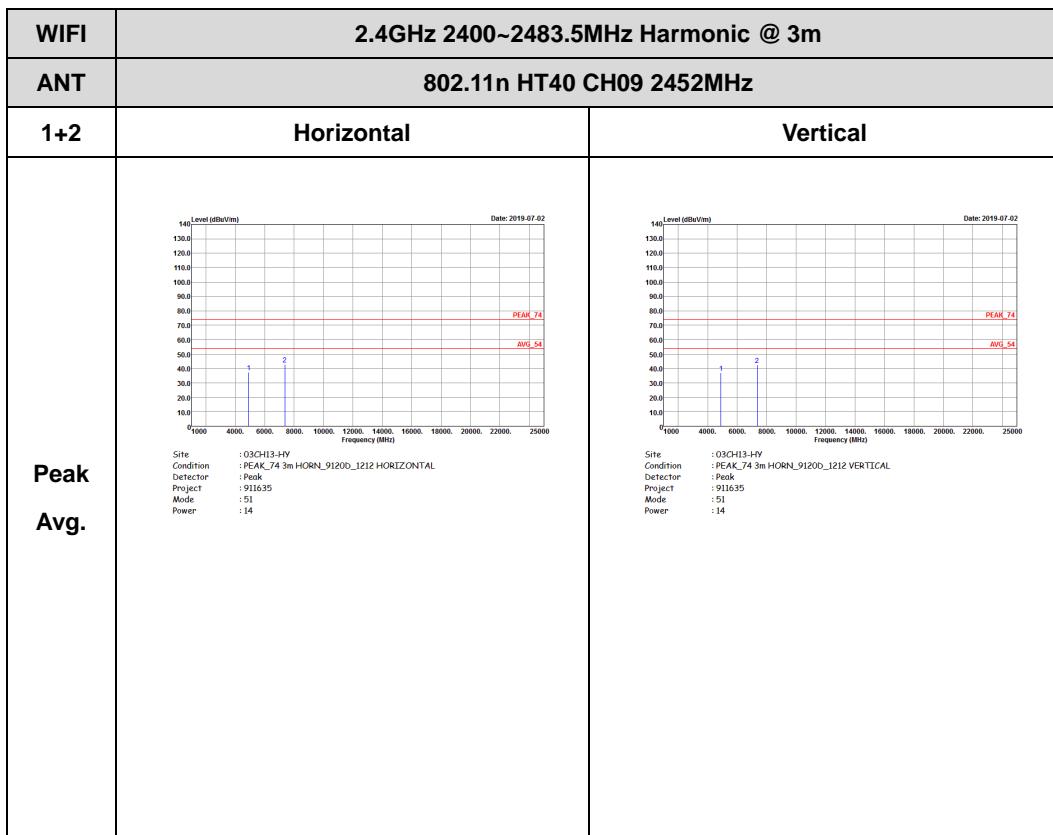


## 2.4GHz 2400~2483.5MHz

## WIFI 802.11n HT40 (Harmonic @ 3m)

|                            |  |  |
|----------------------------|--|--|
| <b>WIFI</b>                | 2.4GHz 2400~2483.5MHz Harmonic @ 3m  |  |
| <b>ANT</b>                 | 802.11n HT40 CH03 2422MHz  |  |
| <b>1+2</b>                 | <b>Horizontal</b>  | <b>Vertical</b>  |
| <b>Peak</b><br><b>Avg.</b> | <br>Site : 03C113-HY<br>Condition : PEAK_74 3m HORN_91200_1212 HORIZONTAL.<br>Detector : Peak<br>Project : 911635<br>Mode : 49<br>Power : 12.5 | <br>Site : 03C113-HY<br>Condition : PEAK_74 3m HORN_91200_1212 VERTICAL.<br>Detector : Peak<br>Project : 911635<br>Mode : 49<br>Power : 12.5 |

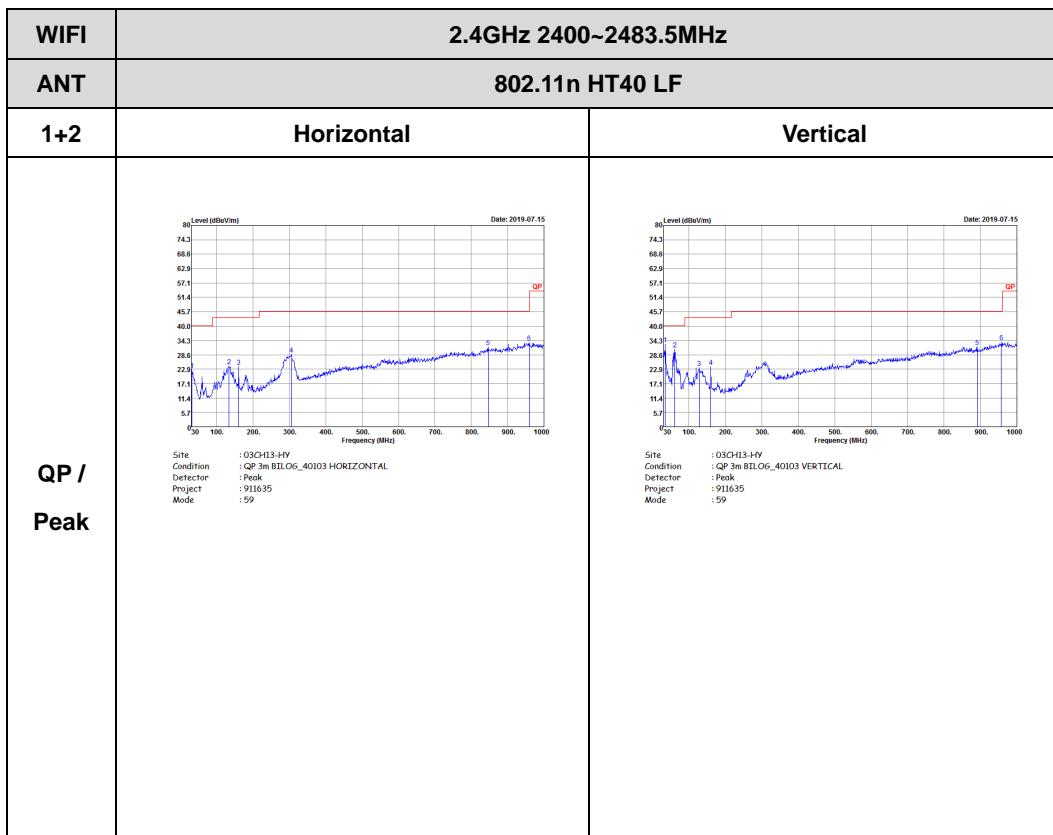






## Emission below 1GHz

## 2.4GHz WIFI 802.11n HT40 (LF)

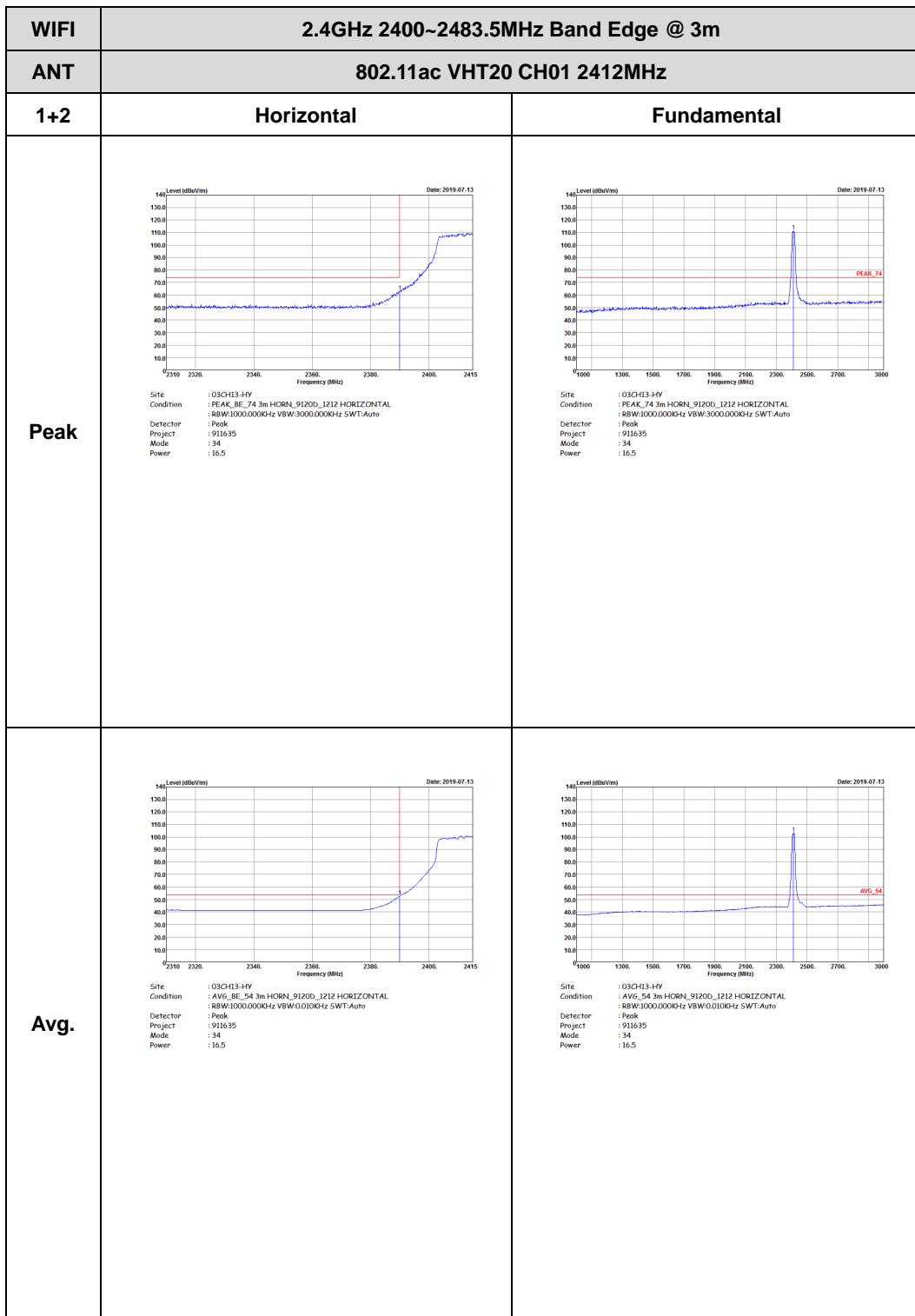


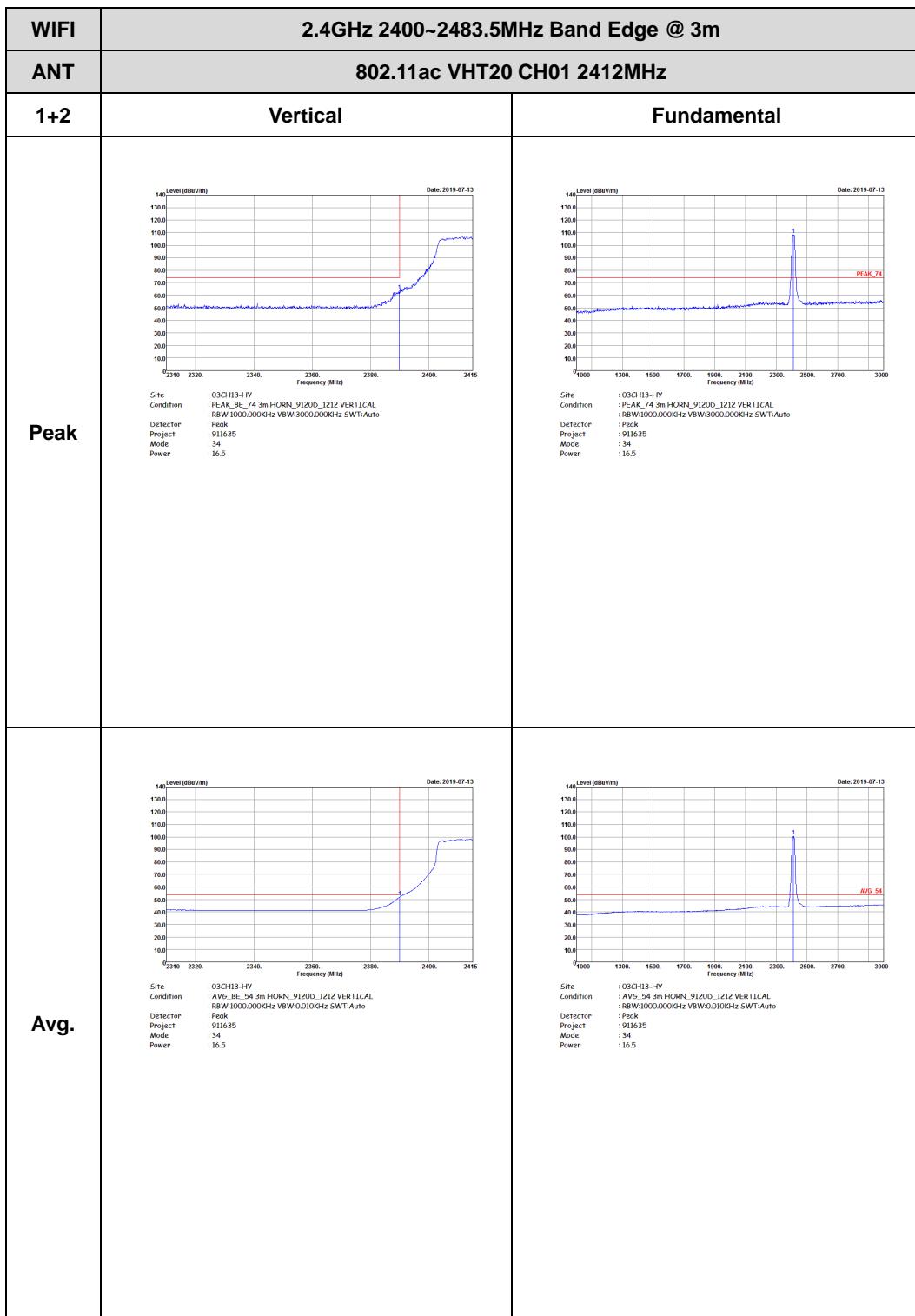


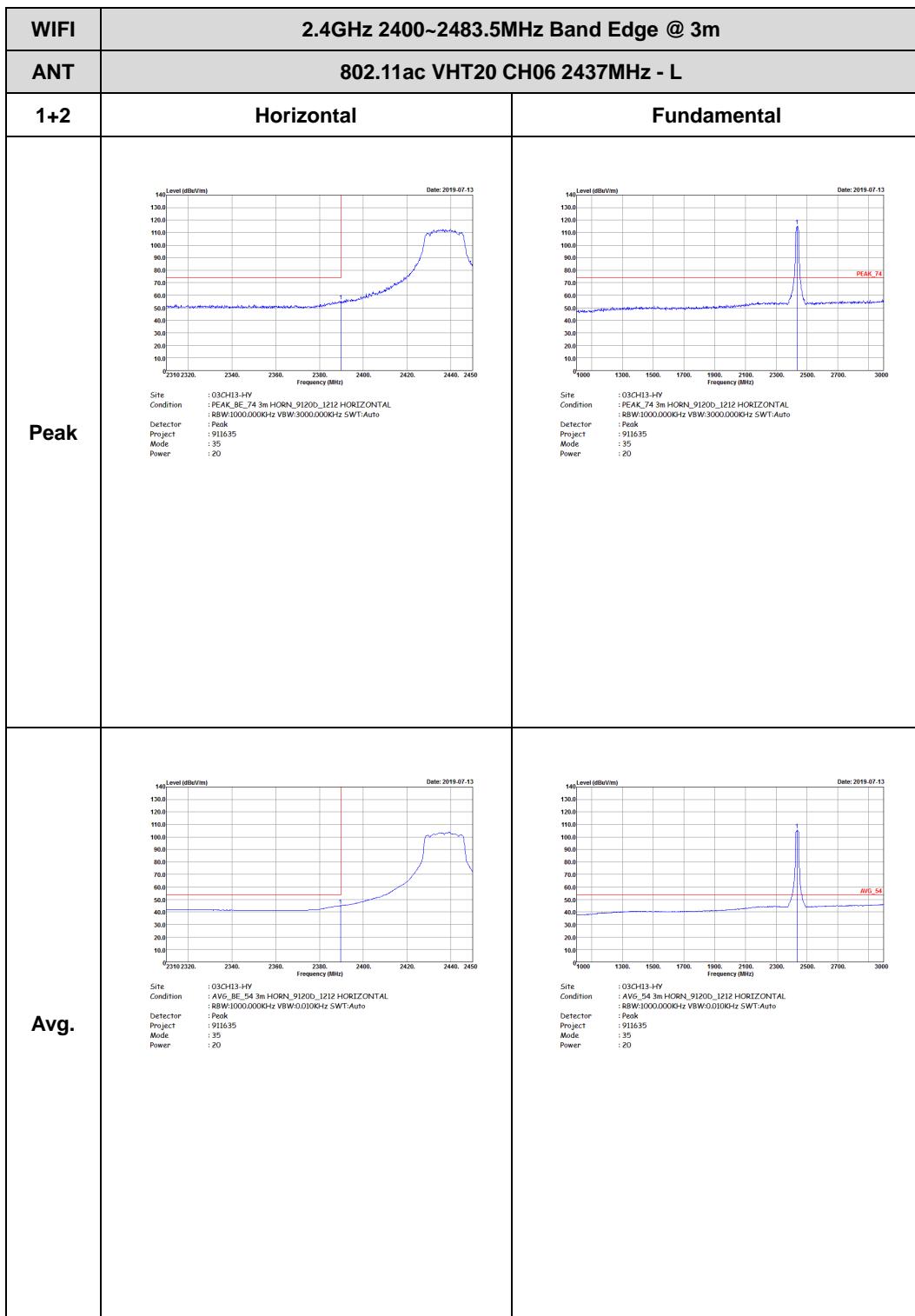
&lt;TXBF Mode&gt;

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

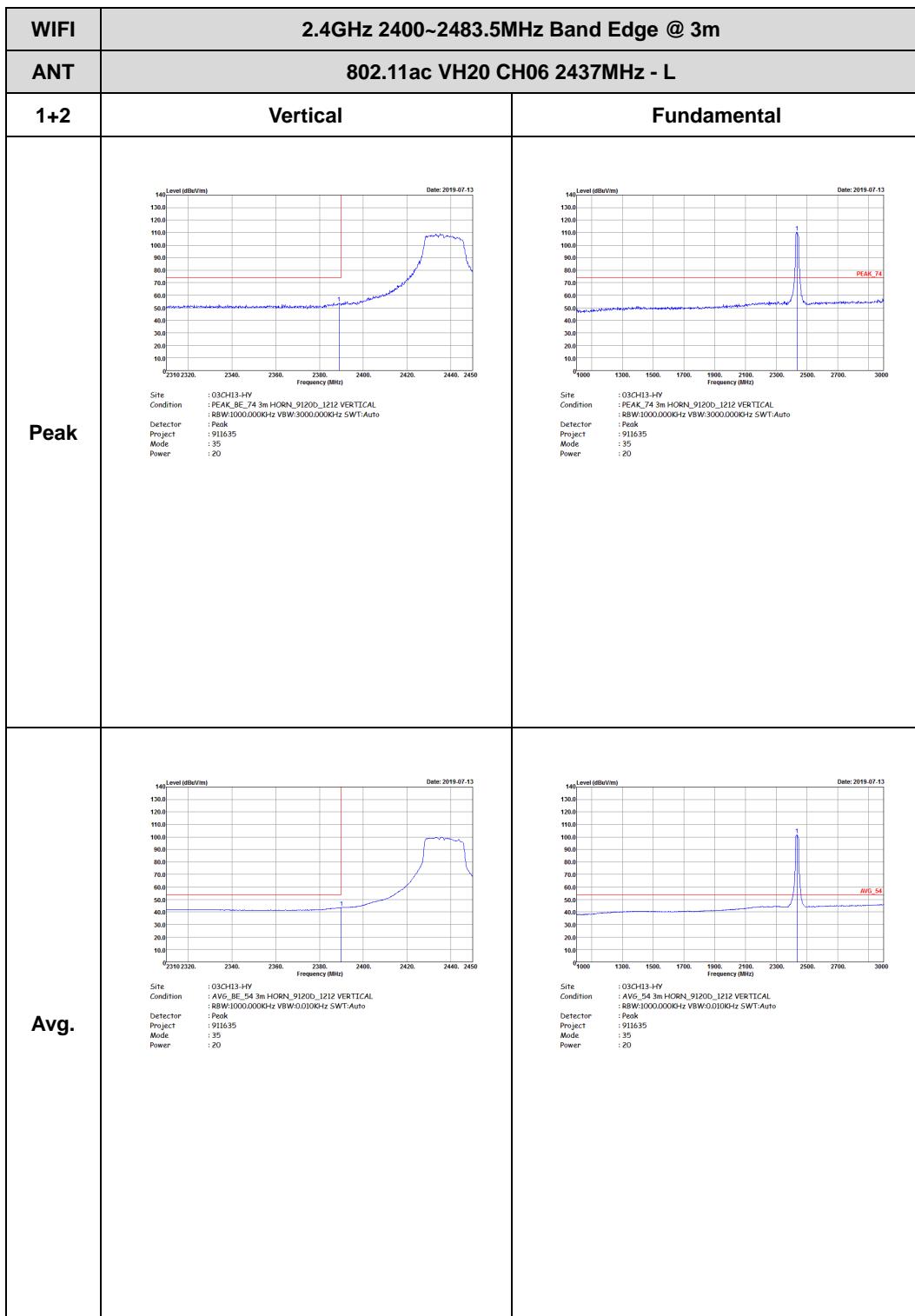






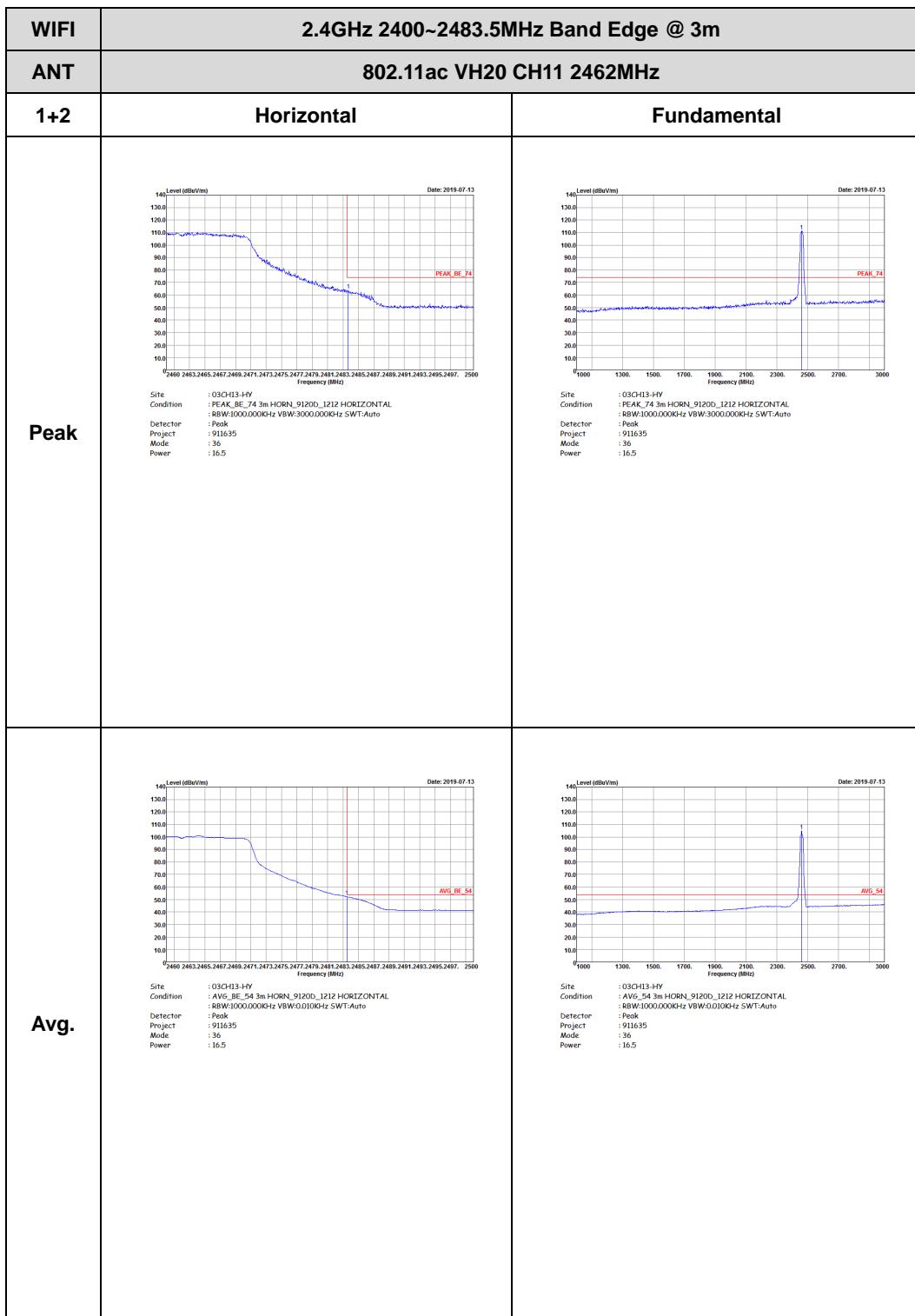


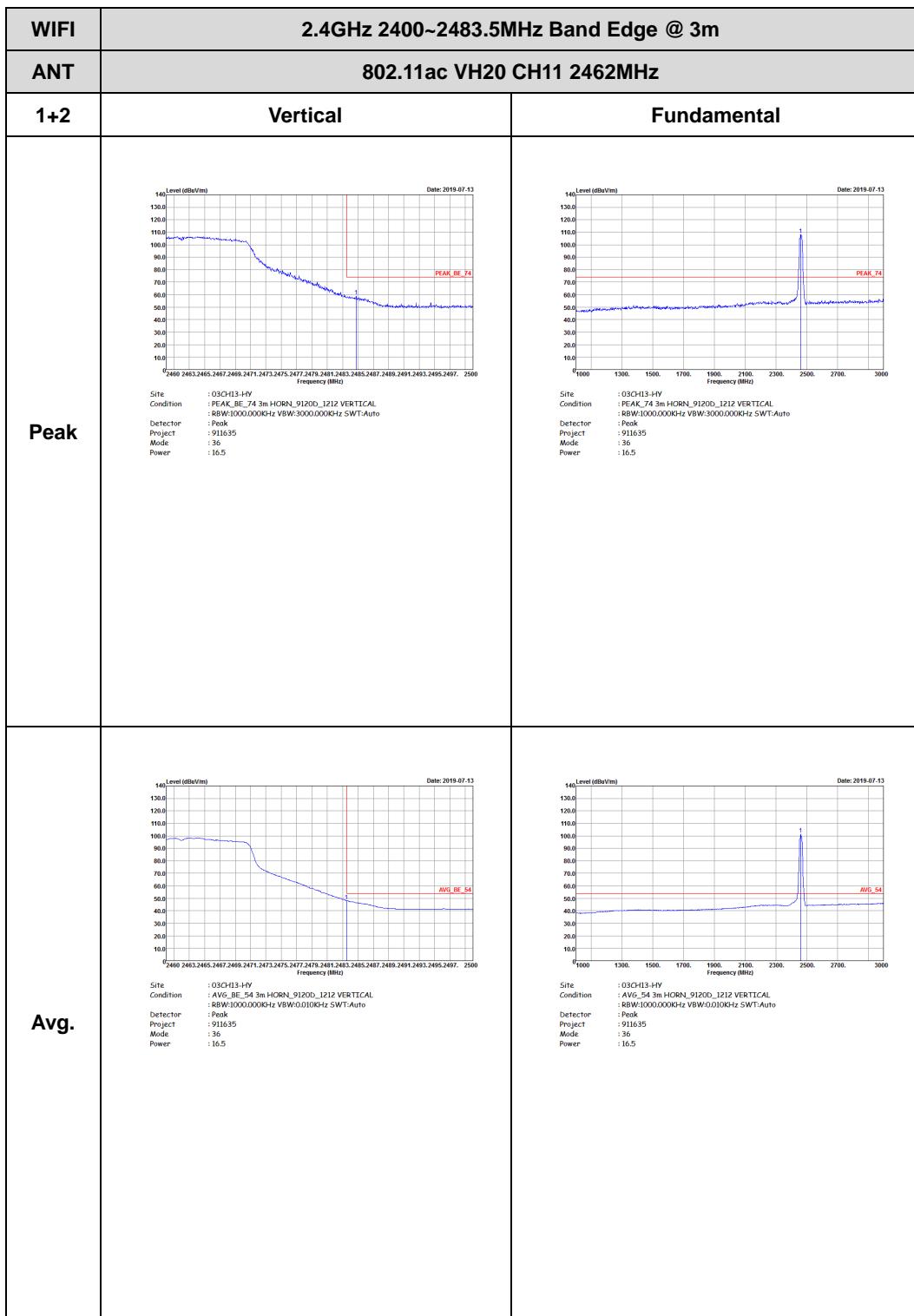
|      |   |             |
|------|---|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |             |
| ANT  | 802.11ac VH20 CH06 2437MHz - R  |             |
| 1+2  | Horizontal  | Fundamental |
| Peak | <br>Date: 2019-07-13<br>Site : 03CH13-HV<br>Condition : PCAK_BE_74 3m HORN_91200_1212 HORIZONTAL<br>Detector : R8W1000.000KHz VBW:3000.000KHz SWT:Auto<br>Project : 911635<br>Mode : 35<br>Power : 20 | Left blank  |
| Avg. | <br>Date: 2019-07-13<br>Site : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL<br>Condition : R8W1000.000KHz VBW:0.010KHz SWT:Auto<br>Detector : Peak<br>Project : 911635<br>Mode : 35<br>Power : 20          | Left blank  |





|      |  |             |
|------|--|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |             |
| ANT  | 802.11ac VH20 CH06 2437MHz - R   |             |
| 1+2  | Vertical   | Fundamental |
| Peak | <br>Date: 2019-07-13<br>Site : 03CH13-HV<br>Condition : PCAK_BE_74 3m HORN_91200_1212 VERTICAL<br>Detector : R8W:1000.000KHz VBW:3000.000KHz SWT:Auto<br>Project : 911635<br>Mode : 35<br>Power : 20 | Left blank  |
| Avg. | <br>Date: 2019-07-13<br>Site : AVG_BE_54 3m HORN_91200_1212 VERTICAL<br>Condition : R8W:1000.000KHz VBW:0.010KHz SWT:Auto<br>Detector : Peak<br>Project : 911635<br>Mode : 35<br>Power : 20          | Left blank  |

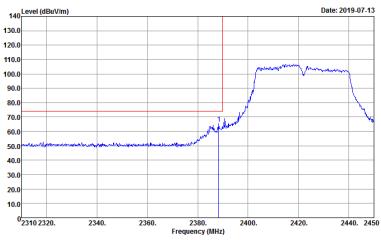
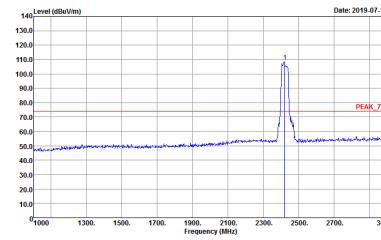
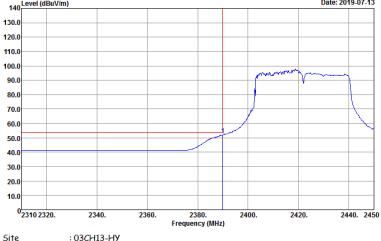
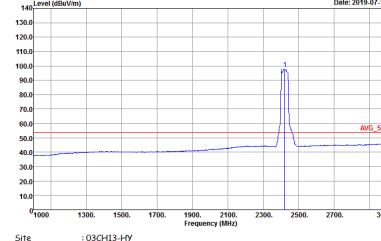




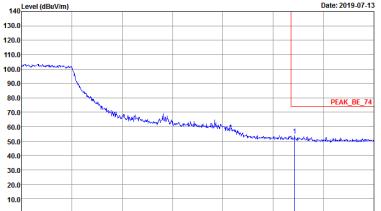
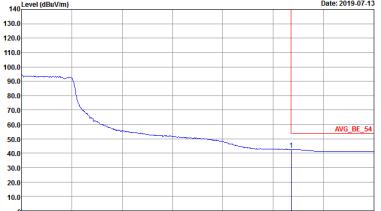


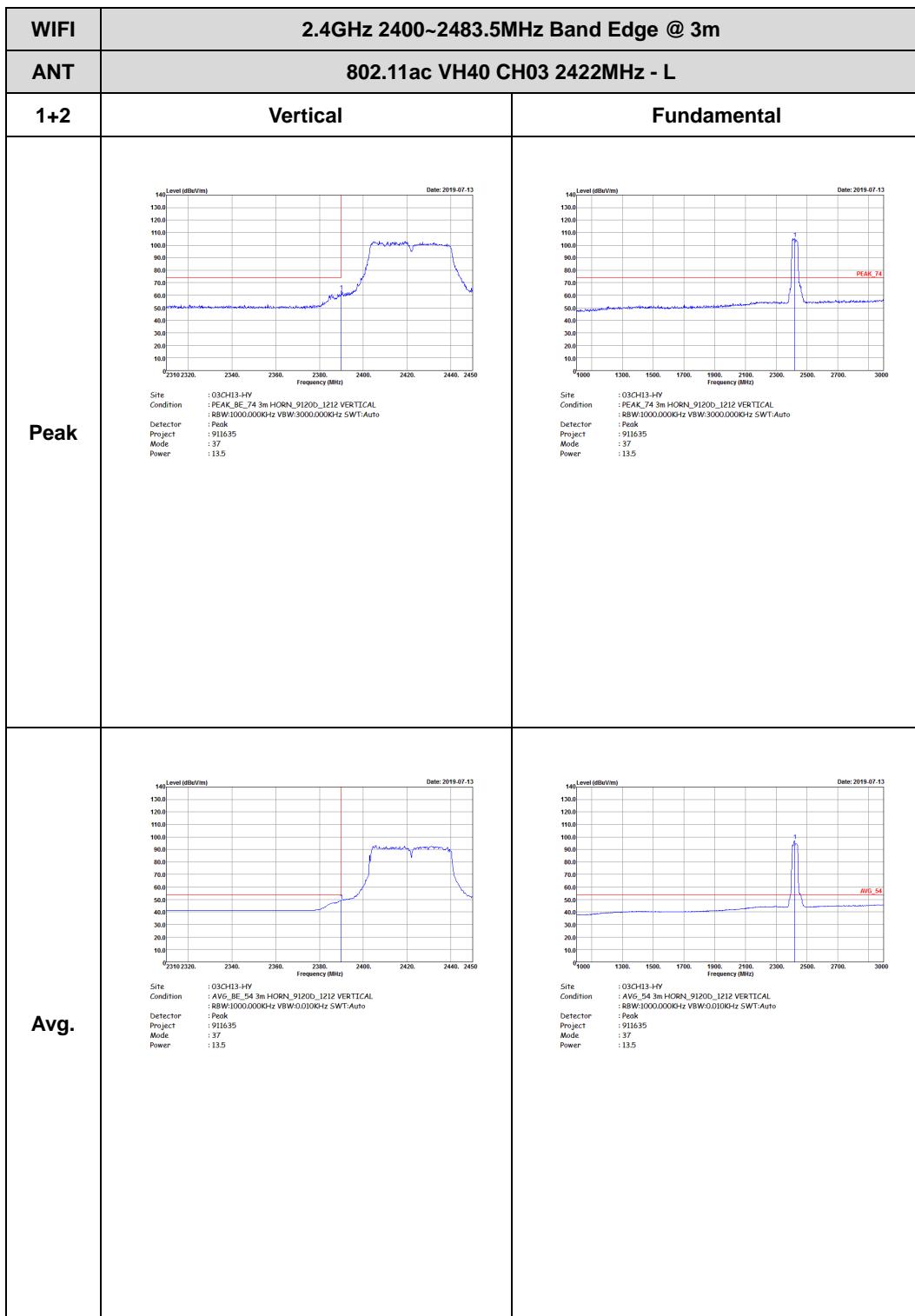
## 2.4GHz 2400~2483.5MHz

## WIFI 802.11ac VHT40 (Band Edge @ 3m)

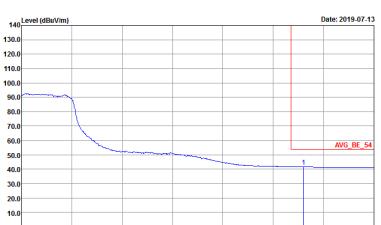
|      |   |   |
|------|---|---|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |   |
| ANT  | 802.11ac VH40 CH03 2422MHz - L  |   |
| 1+2  | Horizontal  | Fundamental   |
| Peak | <br>Site : 030CH13-HY<br>Condition : PEAK_BE_74 3m HORN_9120D_1212 HORIZONTAL<br>Detector : R8W:1000.0000kHz VBW:3000.0000Hz SWT:Auto<br>Project : 911635<br>Mode : 37<br>Power : 13.5 | <br>Site : 030CH13-HY<br>Condition : PEAK_74 3m HORN_9120D_1212 HORIZONTAL<br>Detector : R8W:1000.0000kHz VBW:3000.0000Hz SWT:Auto<br>Project : 911635<br>Mode : 37<br>Power : 13.5 |
| Avg. | <br>Site : 030CH13-HY<br>Condition : AVG_BE_54 3m HORN_9120D_1212 HORIZONTAL<br>Detector : R8W:1000.0000kHz VBW:0.0100Hz SWT:Auto<br>Project : 911635<br>Mode : 37<br>Power : 13.5   | <br>Site : 030CH13-HY<br>Condition : AVG_54 3m HORN_9120D_1212 HORIZONTAL<br>Detector : R8W:1000.0000kHz VBW:0.0100Hz SWT:Auto<br>Project : 911635<br>Mode : 37<br>Power : 13.5   |

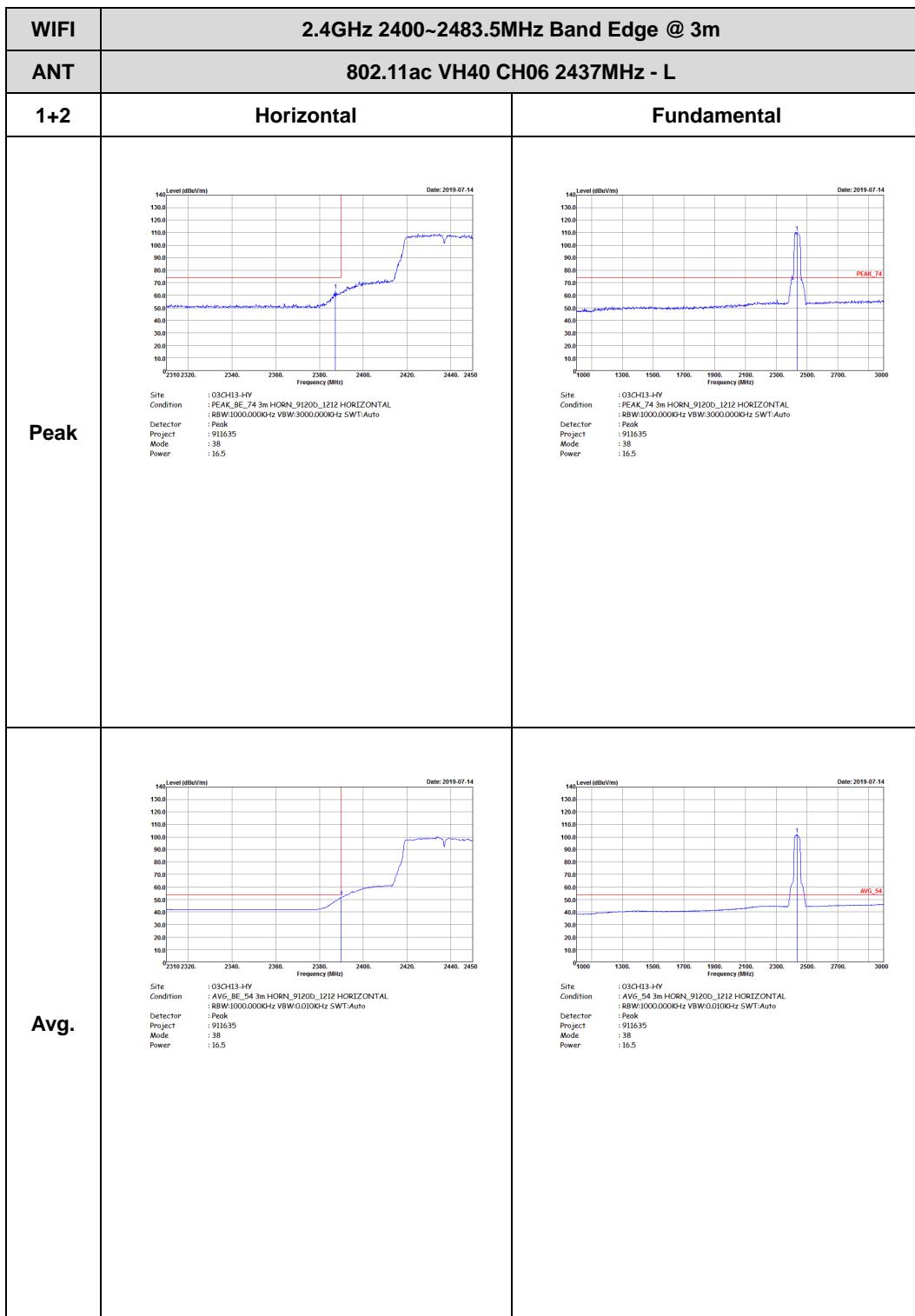


|      |   |             |
|------|---|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |             |
| ANT  | 802.11ac VH40 CH03 2422MHz - R  |             |
| 1+2  | Horizontal  | Fundamental |
| Peak |  <p>Level (dBm/V/m)</p> <p>Date: 2019-07-13</p> <p>Site : 03CH13-HV<br/>Condition : PCAK_BE_74 3m HORN_91200_1212 HORIZONTAL<br/>Detector : R8W:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 911635<br/>Power : 13.5</p> | Left blank  |
| Avg. |  <p>Level (dBm/V/m)</p> <p>Date: 2019-07-13</p> <p>Site : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL<br/>Condition : R8W:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911635<br/>Mode : 37<br/>Power : 13.5</p>          | Left blank  |

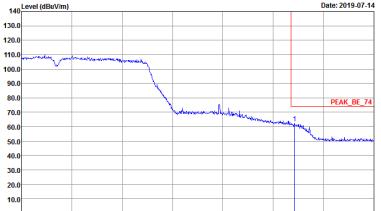
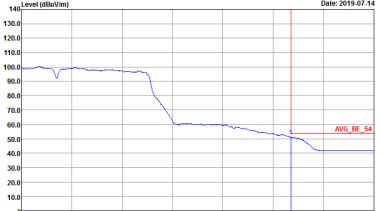


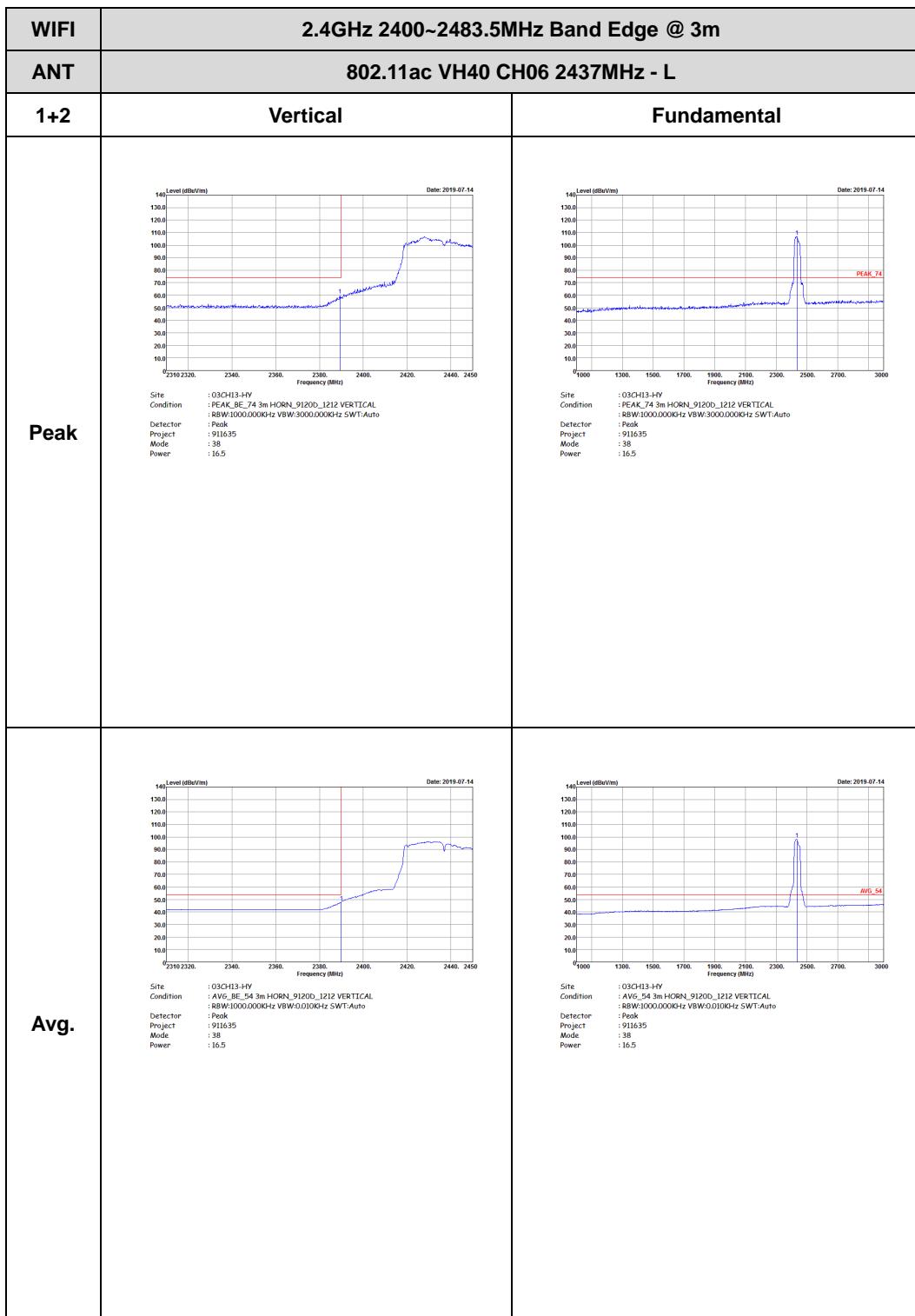


|      |  |             |
|------|--|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |             |
| ANT  | 802.11ac VH40 CH03 2422MHz - R   |             |
| 1+2  | Vertical   | Fundamental |
| Peak |  <p>Level (dBmV/m)</p> <p>Date: 2019-07-13</p> <p>Site : 03CH13-HY<br/>Condition : PCAK_BE_74 3m HORN_91200_1212 VERTICAL<br/>Detector : R8W:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 911635<br/>Power : 13.5</p> | Left blank  |
| Avg. |  <p>Level (dBmV/m)</p> <p>Date: 2019-07-13</p> <p>Site : AVG_BE_54 3m HORN_91200_1212 VERTICAL<br/>Condition : R8W:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911635<br/>Mode : 37<br/>Power : 13.5</p>          | Left blank  |





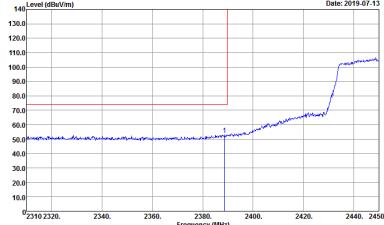
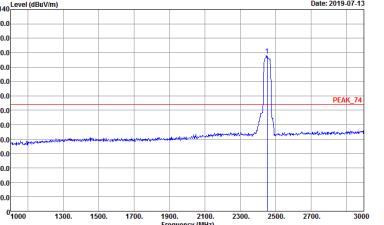
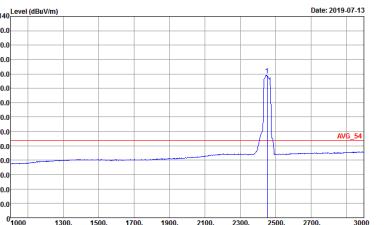
|      |  |             |
|------|--|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |             |
| ANT  | 802.11ac VH40 CH06 2437MHz - R   |             |
| 1+2  | Horizontal   | Fundamental |
| Peak |  <p>Level (dBm/V/m)</p> <p>Date: 2019-07-14</p> <p>Site : 03CH13-HV<br/>Condition : PCAK_BE_74 3m HORN_91200_1212 HORIZONTAL<br/>Detector : R8W1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 38<br/>Power : 16.5</p> | Left blank  |
| Avg. |  <p>Level (dBm/V/m)</p> <p>Date: 2019-07-14</p> <p>Site : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL<br/>Condition : R8W1000.000KHz VBW:0.010KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911635<br/>Mode : 38<br/>Power : 16.5</p>        | Left blank  |



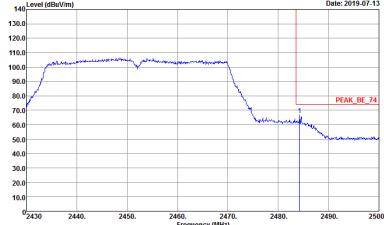
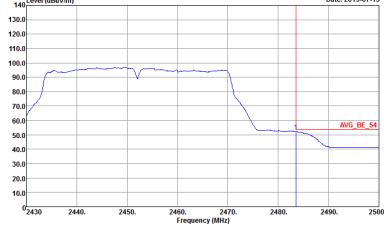


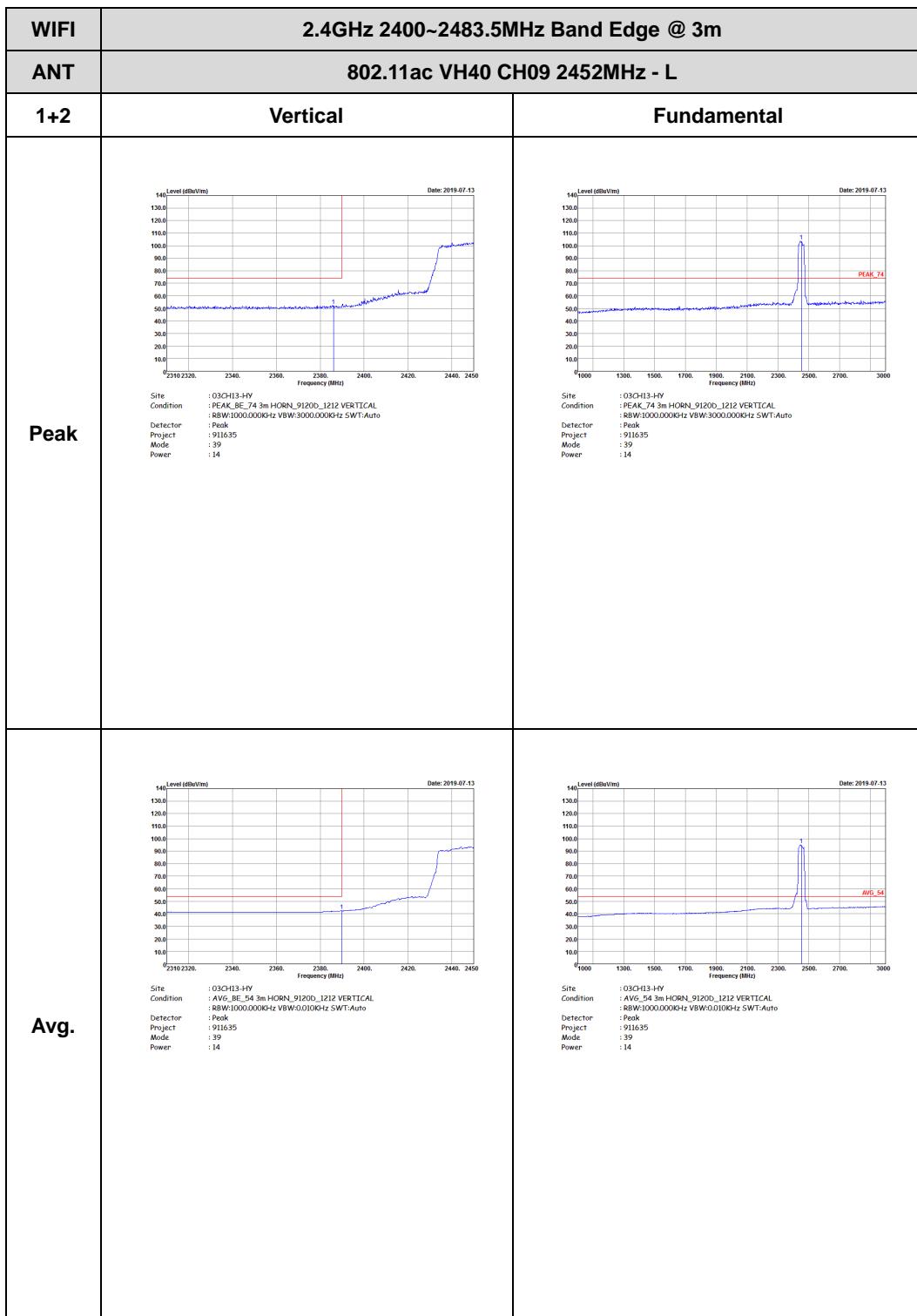
|      |  |             |
|------|--|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |             |
| ANT  | 802.11ac VH40 CH06 2437MHz - R   |             |
| 1+2  | Vertical   | Fundamental |
| Peak | <br>Date: 2019-07-14<br>Site : 03CH13-HV<br>Condition : PCAK_BE_74 3m HORN_91200_1212 VERTICAL<br>Detector : R8W:1000.000KHz VBW:3000.000KHz SWT:Auto<br>Project : Peak<br>Mode : 911635<br>Power : 16.5 | Left blank  |
| Avg. | <br>Date: 2019-07-14<br>Site : 03CH13-HV<br>Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL<br>Detector : R8W:1000.000KHz VBW:0.010KHz SWT:Auto<br>Project : Peak<br>Mode : 911635<br>Power : 16.5     | Left blank  |



|      |   |  |
|------|---|--|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |  |
| ANT  | 802.11ac VH40 CH09 2452MHz - L  |  |
| 1+2  | Horizontal  | Fundamental  |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PCAK_BE_74 3m HORN_91200_1212 HORIZONTAL<br/>Detector : R8W:1000.000KHz VBW:3000.000Hz SWT:Auto<br/>Project : 911635<br/>Mode : 39<br/>Power : 14</p> |  <p>Site : 03CH13-HY<br/>Condition : PCAK_BE_74 3m HORN_91200_1212 HORIZONTAL<br/>Detector : R8W:1000.000KHz VBW:3000.000Hz SWT:Auto<br/>Project : 911635<br/>Mode : 39<br/>Power : 14</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL<br/>Detector : R8W:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Project : 911635<br/>Mode : 39<br/>Power : 14</p>  |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL<br/>Detector : R8W:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Project : 911635<br/>Mode : 39<br/>Power : 14</p>  |



|      |  |             |
|------|--|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m   |             |
| ANT  | 802.11ac VH40 CH09 2452MHz - R   |             |
| 1+2  | Horizontal   | Fundamental |
| Peak |  <p>Level (dBm/V/m)</p> <p>Date: 2019-07-13</p> <p>Frequency (MHz)</p> <p>Site : 03CH13-HV<br/>Condition : PCAK_BE_74 3m HORN_91200_1212 HORIZONTAL<br/>Detector : R8W:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 39<br/>Power : 14</p> | Left blank  |
| Avg. |  <p>Level (dBm/V/m)</p> <p>Date: 2019-07-13</p> <p>Frequency (MHz)</p> <p>Site : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL<br/>Condition : R8W:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911635<br/>Mode : 39<br/>Power : 14</p>        | Left blank  |



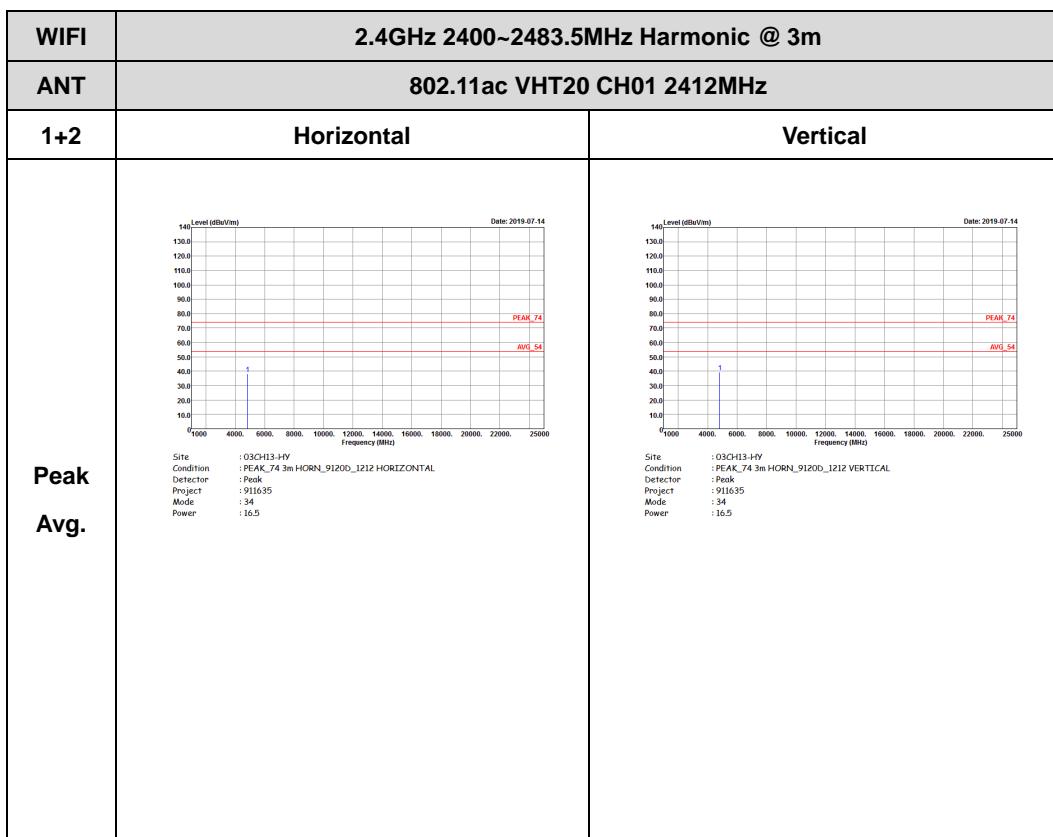


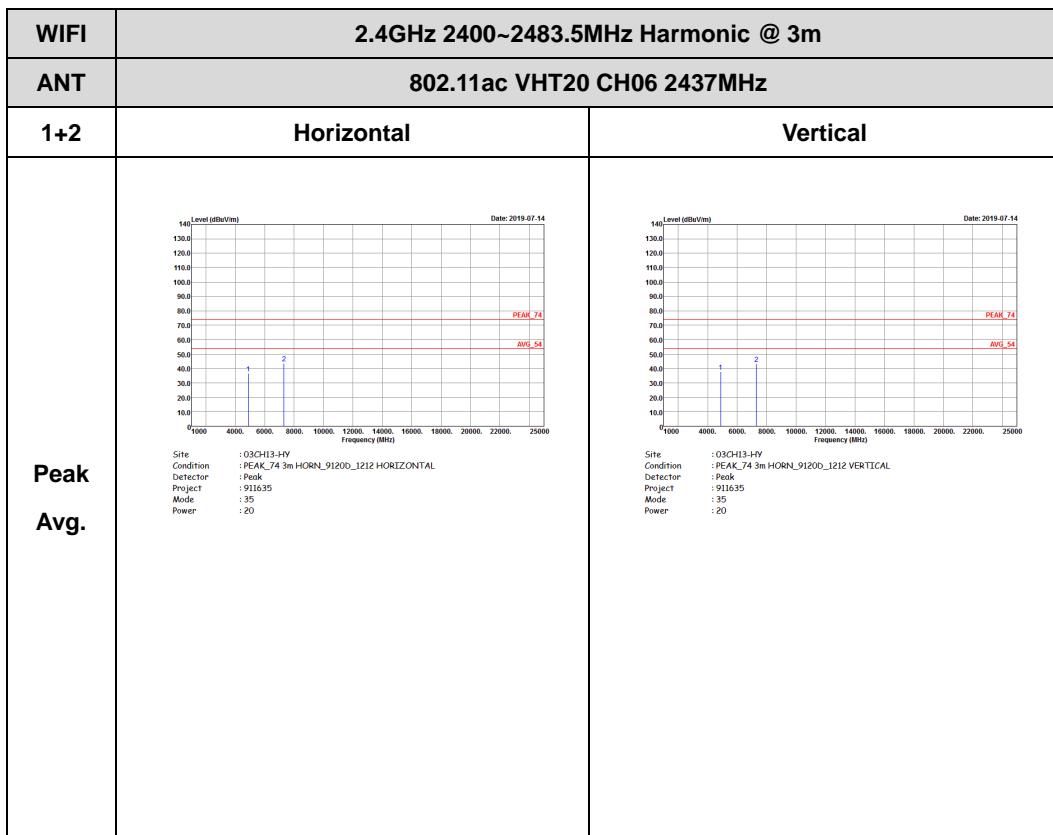
|      |   |             |
|------|---|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m  |             |
| ANT  | 802.11ac VH40 CH09 2452MHz - R  |             |
| 1+2  | Vertical  | Fundamental |
| Peak |  <p>Level (dBm/V/m)</p> <p>Date: 2019-07-13</p> <p>Site : 03CH13-HV<br/>Condition : PCAK_BE_74 3m HORN_91200_1212 VERTICAL<br/>Detector : R8W:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 911635<br/>Mode : 39<br/>Power : 14</p> | Left blank  |
| Avg. |  <p>Level (dBm/V/m)</p> <p>Date: 2019-07-13</p> <p>Site : AVG_BE_54 3m HORN_91200_1212 VERTICAL<br/>Condition : R8W:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911635<br/>Mode : 39<br/>Power : 14</p>        | Left blank  |

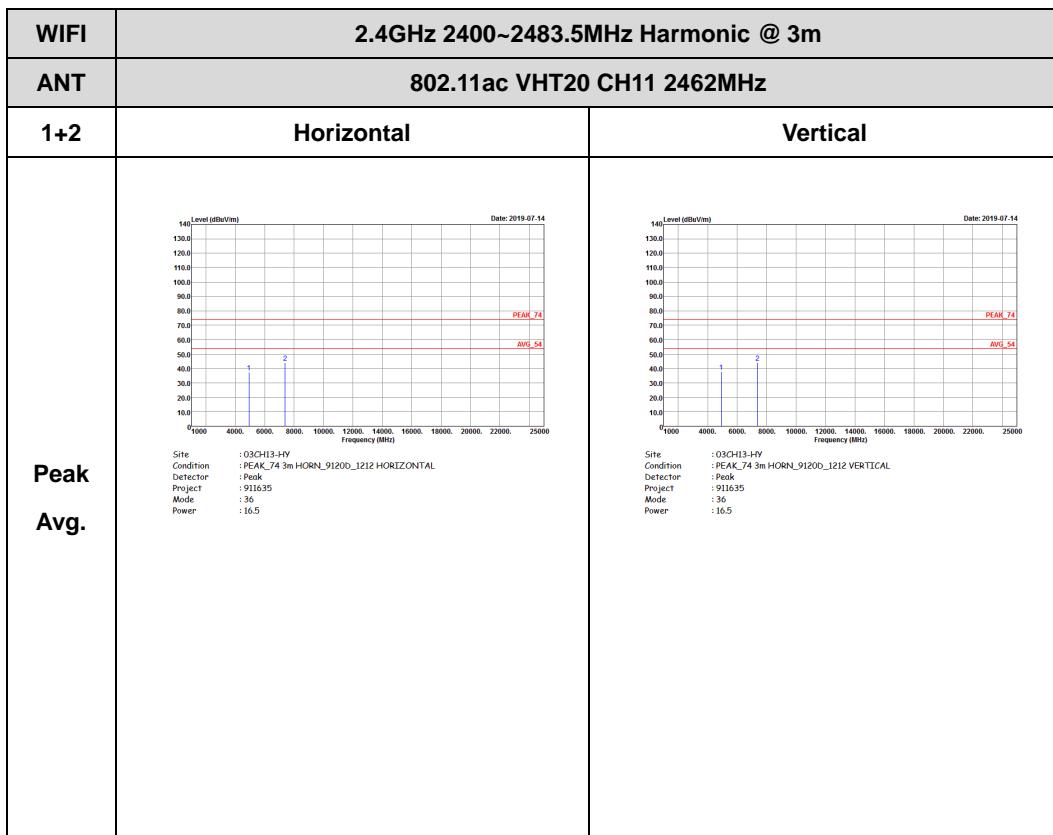


## 2.4GHz 2400~2483.5MHz

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



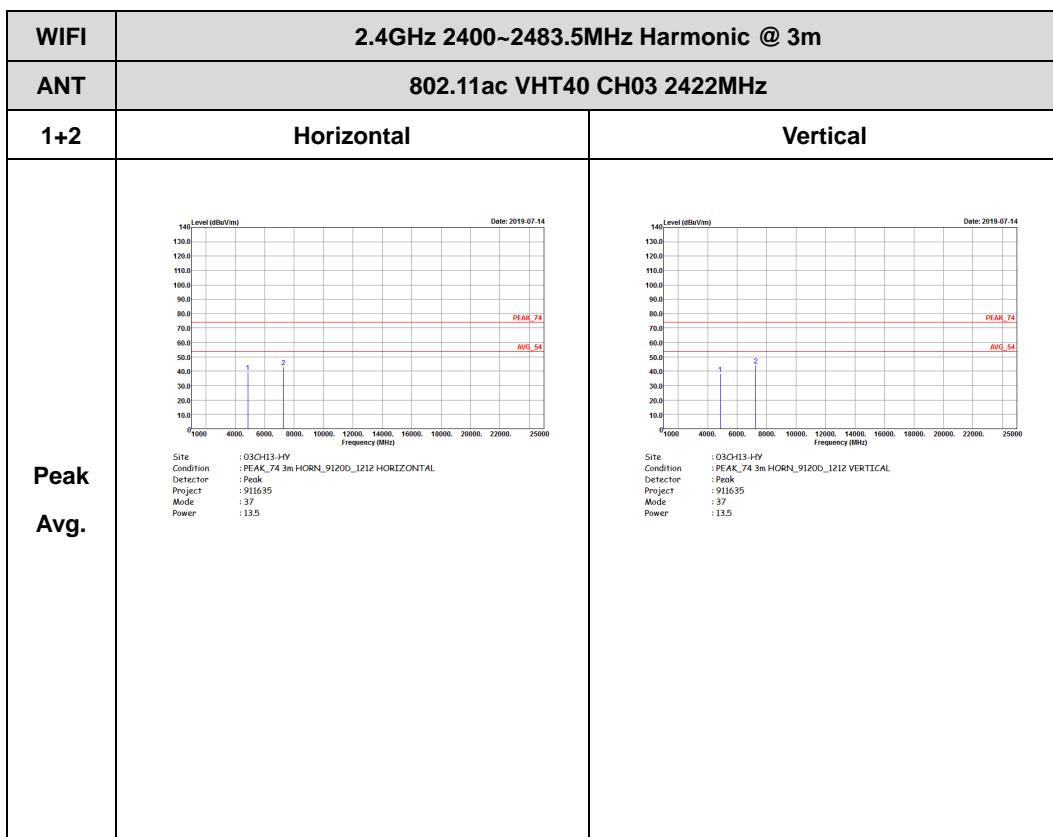


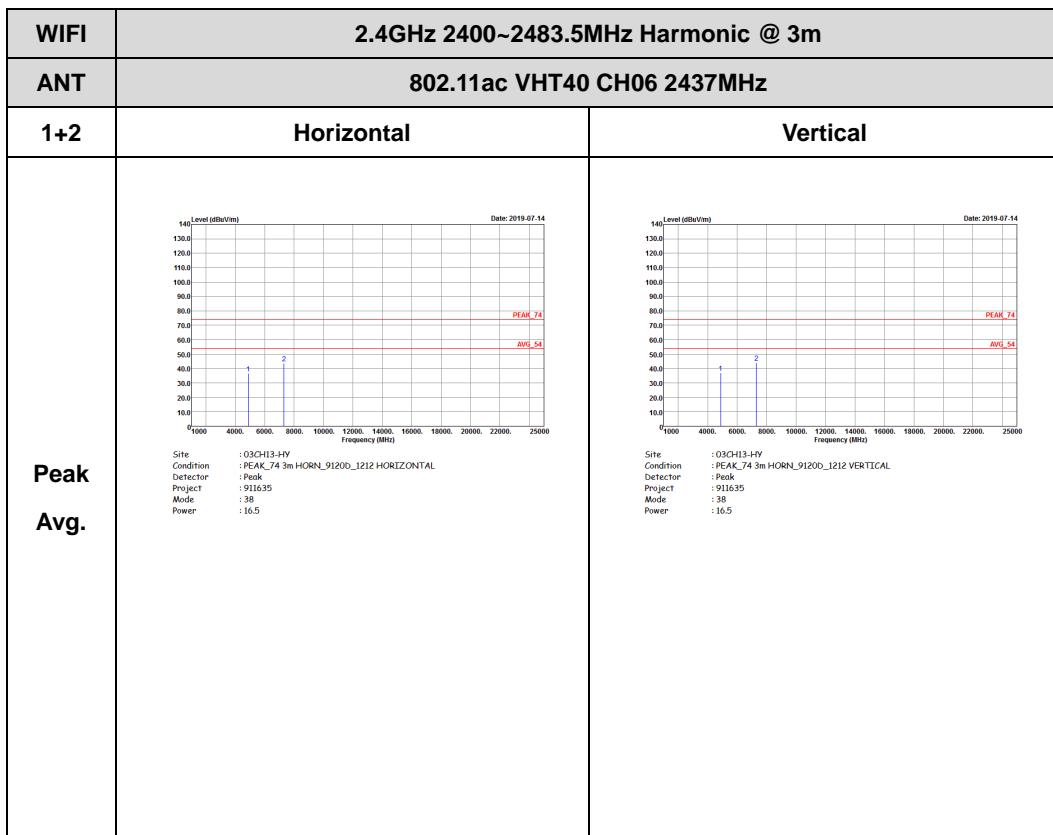


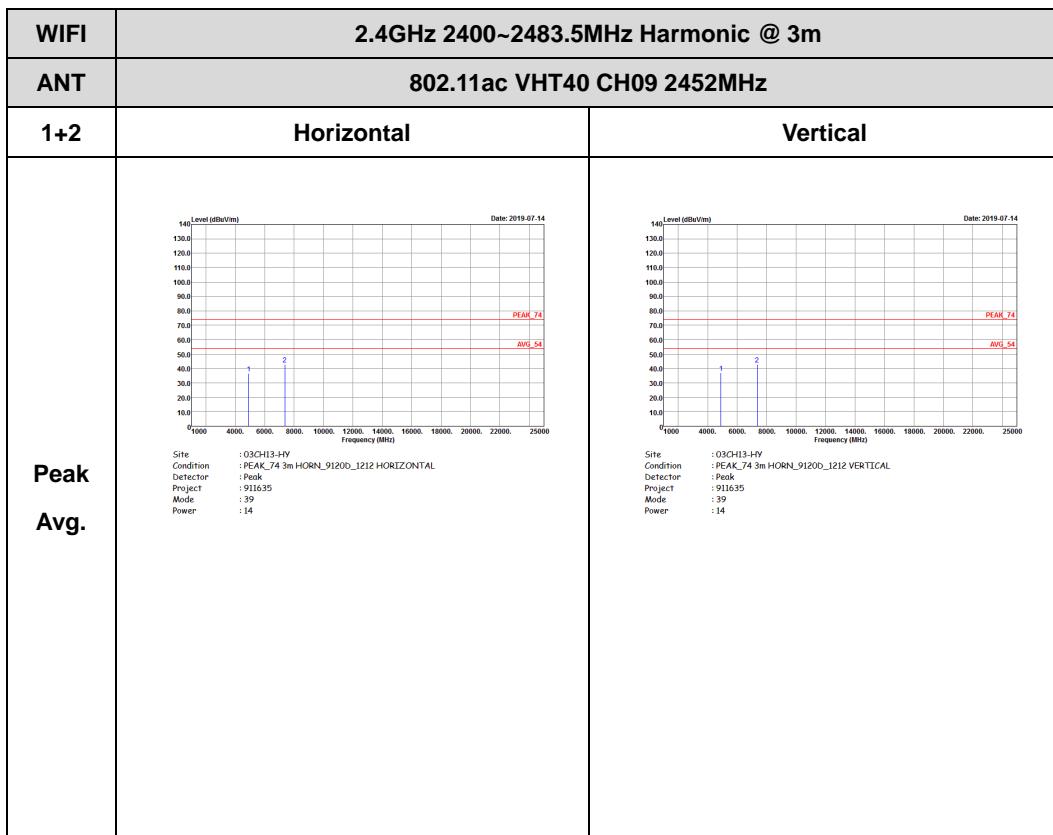


## 2.4GHz 2400~2483.5MHz

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



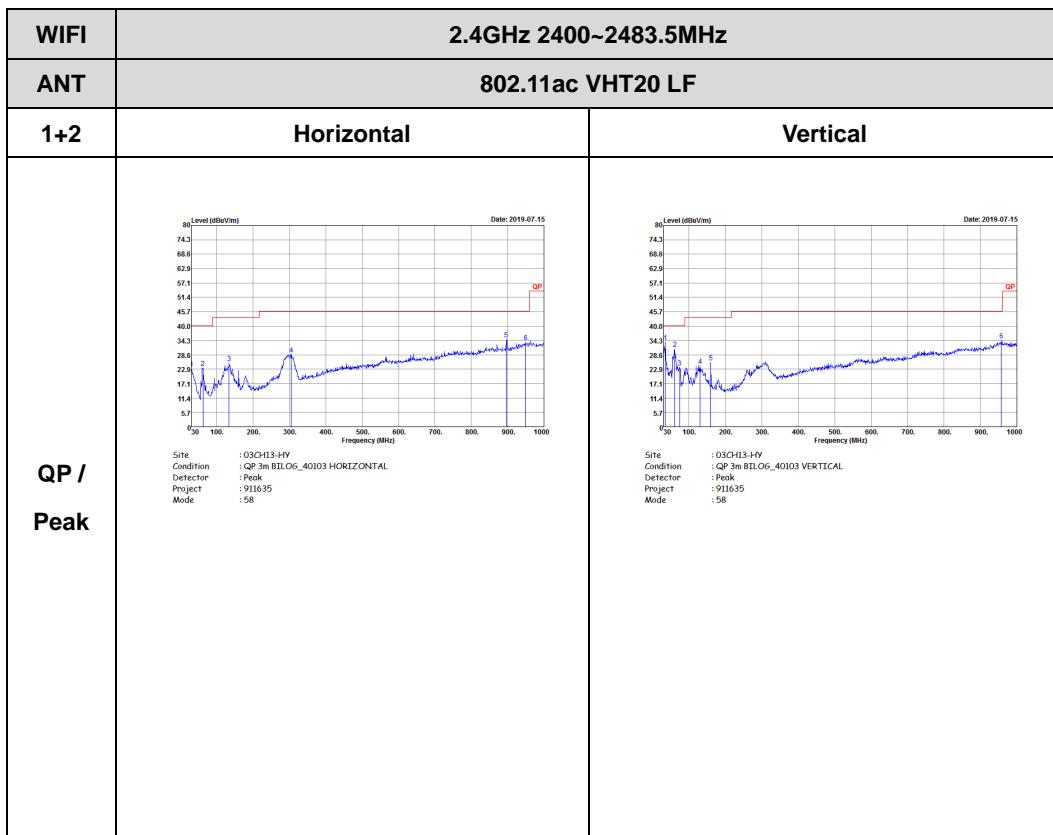






## Emission below 1GHz

## 2.4GHz WIFI 802.11ac VHT20 (LF)





## Appendix D. Duty Cycle Plots

| Antenna | Band                          | Duty Cycle(%) | T(us) | 1/T(kHz) | VBW Setting | Duty Factor(dB) |
|---------|-------------------------------|---------------|-------|----------|-------------|-----------------|
| 1       | 802.11b                       | 100.00        | -     | -        | 10Hz        | 0.00            |
| 2       | 802.11b                       | 100.00        | -     | -        | 10Hz        | 0.00            |
| 1+2     | 802.11b for Ant 1             | 100.00        | -     | -        | 10Hz        | 0.00            |
| 1+2     | 802.11b for Ant 2             | 100.00        | -     | -        | 10Hz        | 0.00            |
| 1       | 802.11g                       | 94.57         | 2057  | 0.49     | 1kHz        | 0.24            |
| 2       | 802.11g                       | 94.77         | 2065  | 0.48     | 1kHz        | 0.23            |
| 1+2     | 802.11g for Ant 1             | 94.57         | 2057  | 0.49     | 1kHz        | 0.24            |
| 1+2     | 802.11g for Ant 2             | 94.94         | 2064  | 0.48     | 1kHz        | 0.23            |
| 1       | 2.4GHz 802.11n HT20           | 94.76         | 1936  | 0.52     | 1kHz        | 0.23            |
| 2       | 2.4GHz 802.11n HT20           | 94.83         | 1925  | 0.52     | 1kHz        | 0.23            |
| 1+2     | 2.4GHz 802.11n HT20 for Ant 1 | 94.36         | 1925  | 0.52     | 1kHz        | 0.25            |
| 1+2     | 2.4GHz 802.11n HT20 for Ant 2 | 94.58         | 1920  | 0.52     | 1kHz        | 0.24            |
| 1       | 2.4GHz 802.11n HT40           | 90.80         | 948   | 1.05     | 3kHz        | 0.42            |
| 2       | 2.4GHz 802.11n HT40           | 90.37         | 948   | 1.05     | 3kHz        | 0.44            |
| 1+2     | 2.4GHz 802.11n HT40 for Ant 1 | 90.75         | 952   | 1.05     | 3kHz        | 0.42            |
| 1+2     | 2.4GHz 802.11n HT40 for Ant 2 | 90.53         | 946   | 1.06     | 3kHz        | 0.43            |
| 1       | 2.4GHz 802.11ac20             | 94.85         | 1935  | 0.52     | 1kHz        | 0.23            |
| 2       | 2.4GHz 802.11ac20             | 94.48         | 1935  | 0.52     | 1kHz        | 0.25            |
| 1+2     | 2.4GHz 802.11ac20 for Ant 1   | 94.62         | 1935  | 0.52     | 1kHz        | 0.24            |
| 1+2     | 2.4GHz 802.11ac20 for Ant 2   | 94.63         | 1938  | 0.52     | 1kHz        | 0.24            |
| 1       | 2.4GHz 802.11ac40             | 90.94         | 953   | 1.05     | 3kHz        | 0.41            |
| 2       | 2.4GHz 802.11ac40             | 90.58         | 952   | 1.05     | 3kHz        | 0.43            |
| 1+2     | 2.4GHz 802.11ac40 for Ant 1   | 90.49         | 952   | 1.05     | 3kHz        | 0.43            |
| 1+2     | 2.4GHz 802.11ac40 for Ant 2   | 90.67         | 952   | 1.05     | 3kHz        | 0.43            |

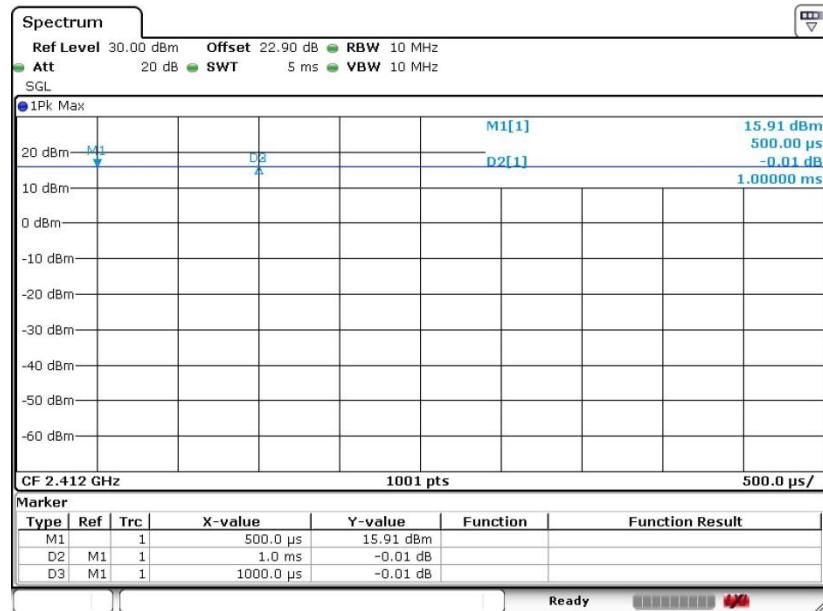


# FCC RADIO TEST REPORT

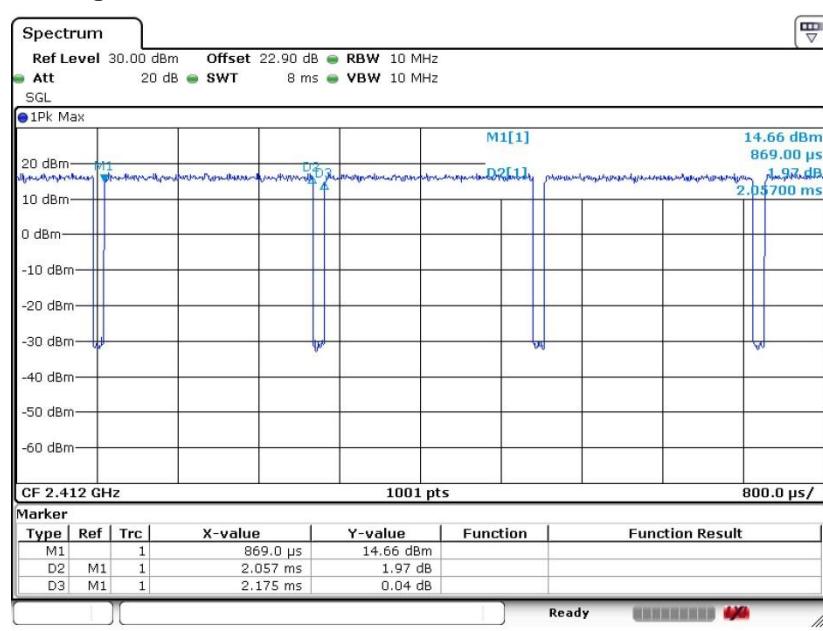
Report No. : FR911635C

<Ant. 1>

## 802.11b

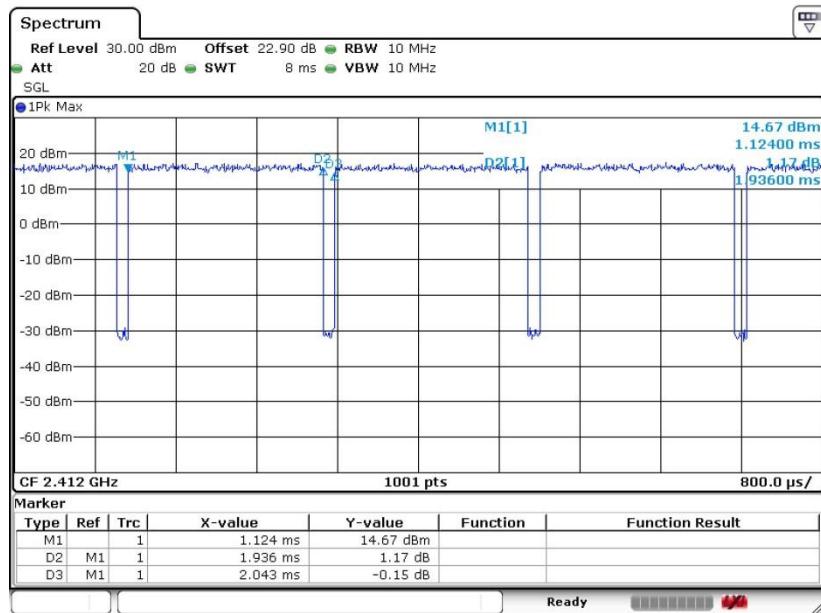


## 802.11g



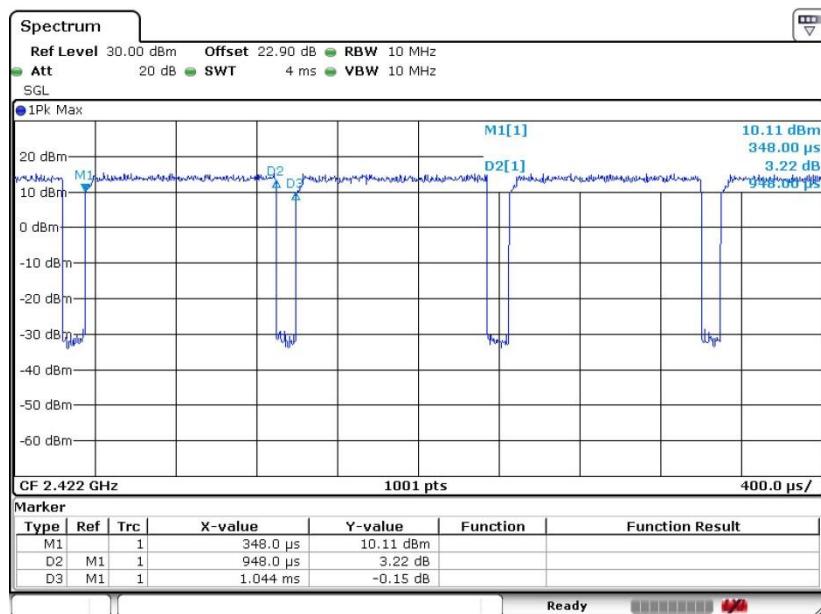


## 802.11n HT20



Date: 4.JUL.2019 02:44:38

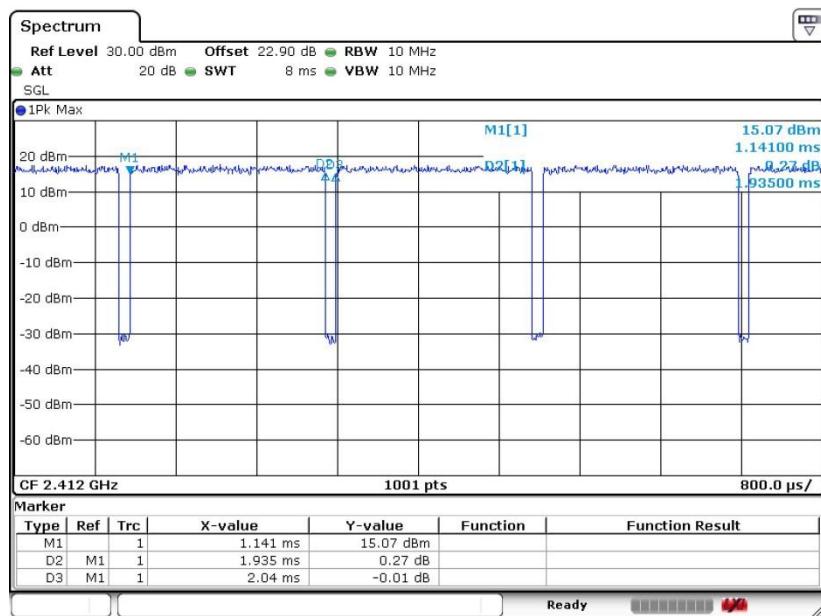
## 802.11n HT40



Date: 4.JUL.2019 03:31:14

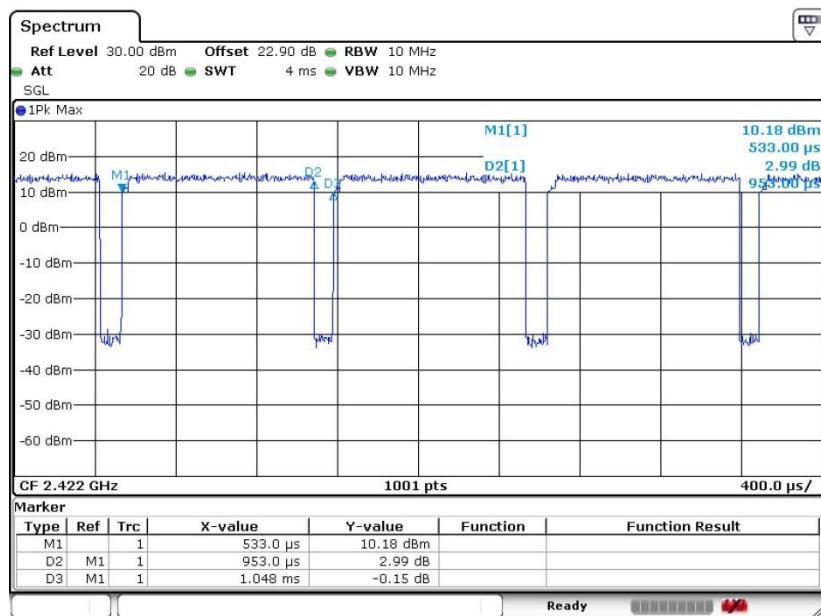


## 802.11ac VHT20



Date: 4.JUL.2019 03:16:02

## 802.11ac VHT40

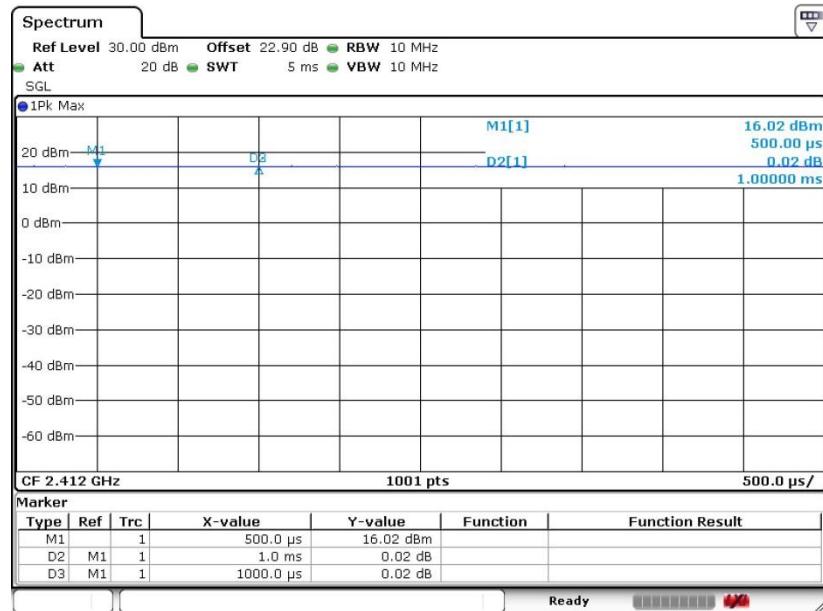


Date: 4.JUL.2019 04:21:39

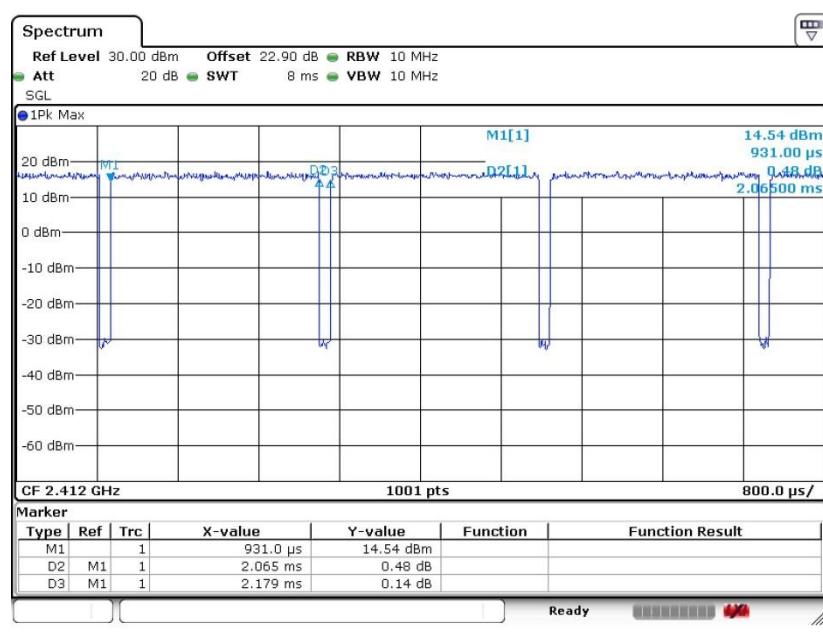


&lt;Ant. 2&gt;

## 802.11b

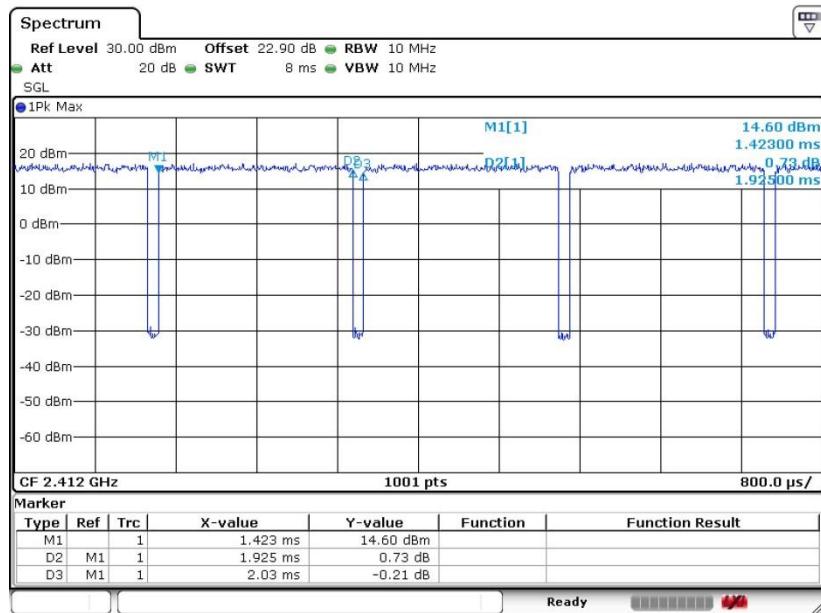


## 802.11g



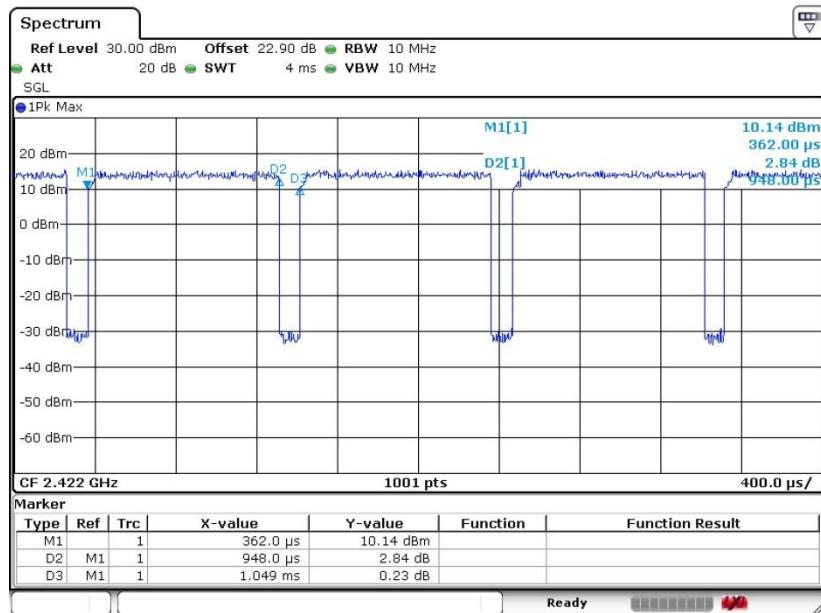


## 802.11n HT20



Date: 4.JUL.2019 02:49:45

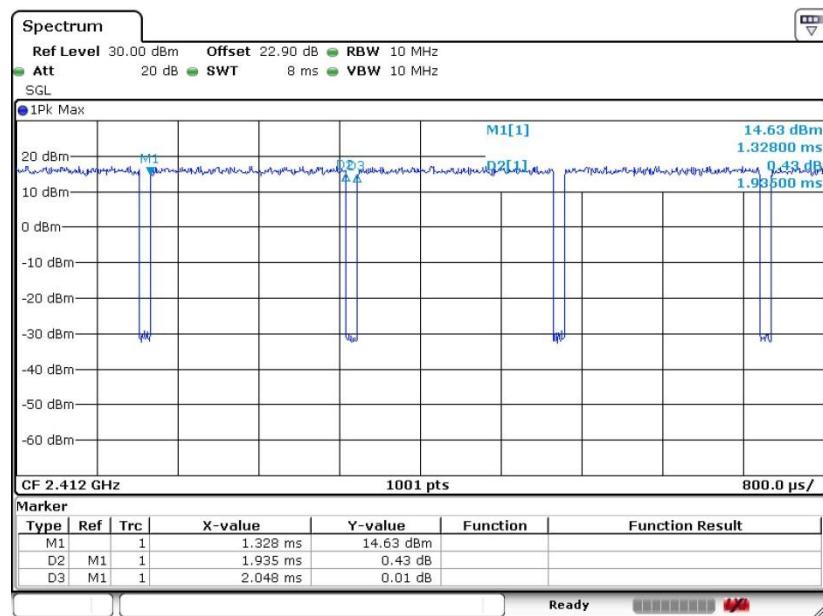
## 802.11n HT40



Date: 4.JUL.2019 03:35:01

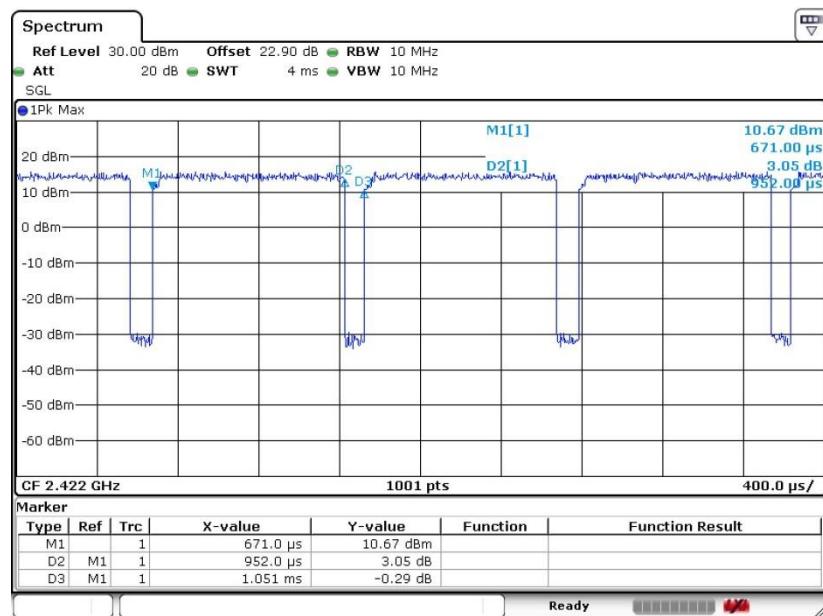


## 802.11ac VHT20



Date: 4.JUL.2019 03:20:34

## 802.11ac VHT40



Date: 4.JUL.2019 04:23:06

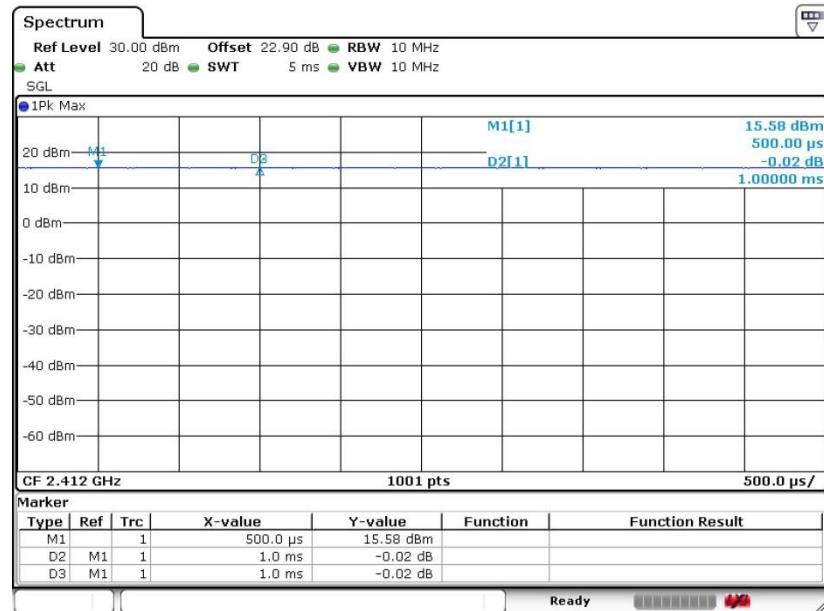


# FCC RADIO TEST REPORT

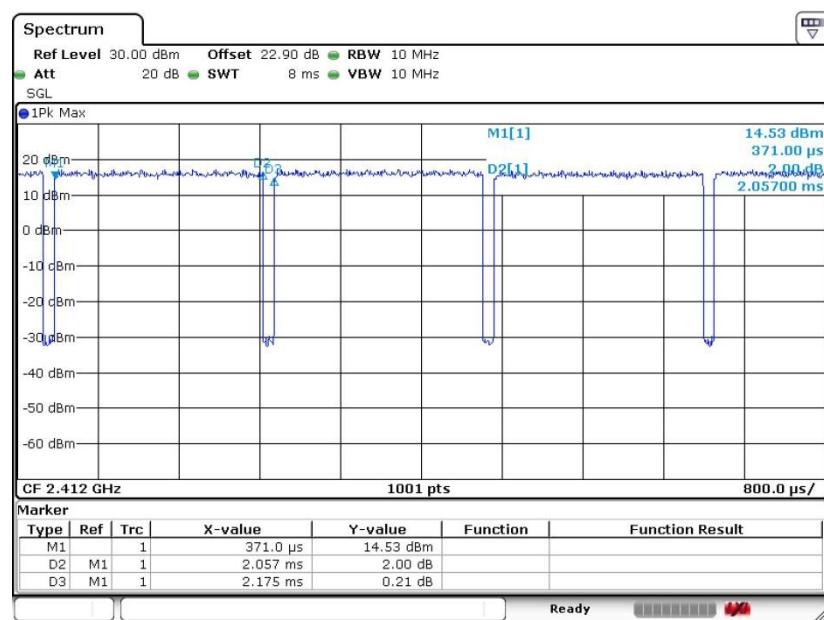
Report No. : FR911635C

## MIMO <Ant. 1>

### 802.11b



### 802.11g

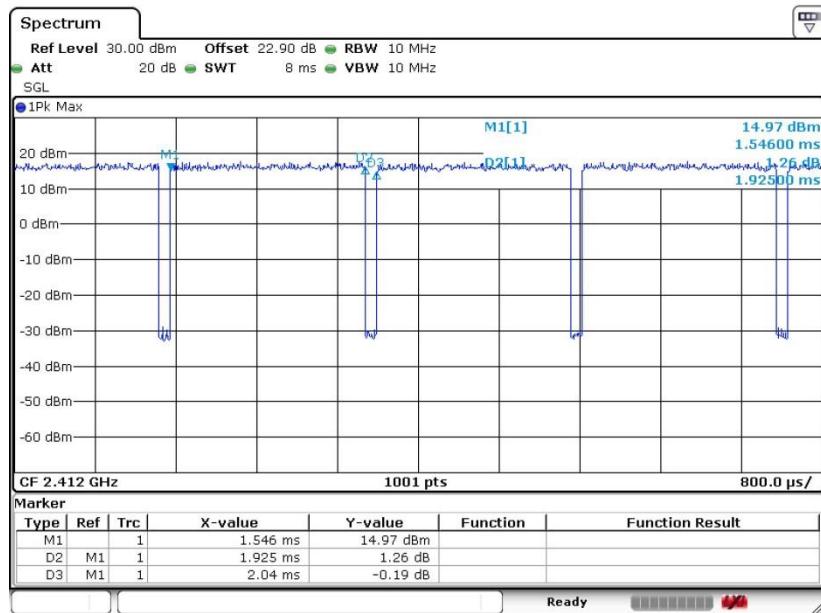




## FCC RADIO TEST REPORT

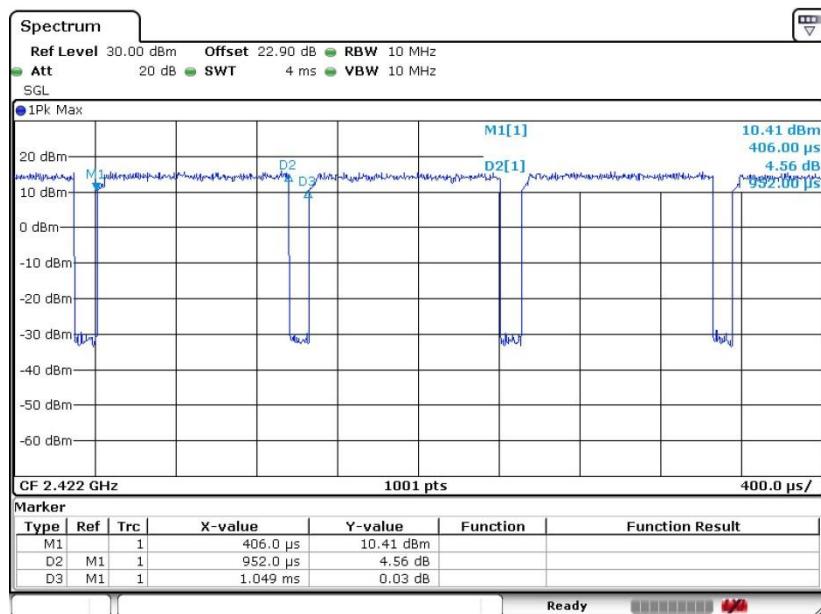
Report No. : FR911635C

### 802.11n HT20



Date: 4.JUL.2019 03:03:50

### 802.11n HT40



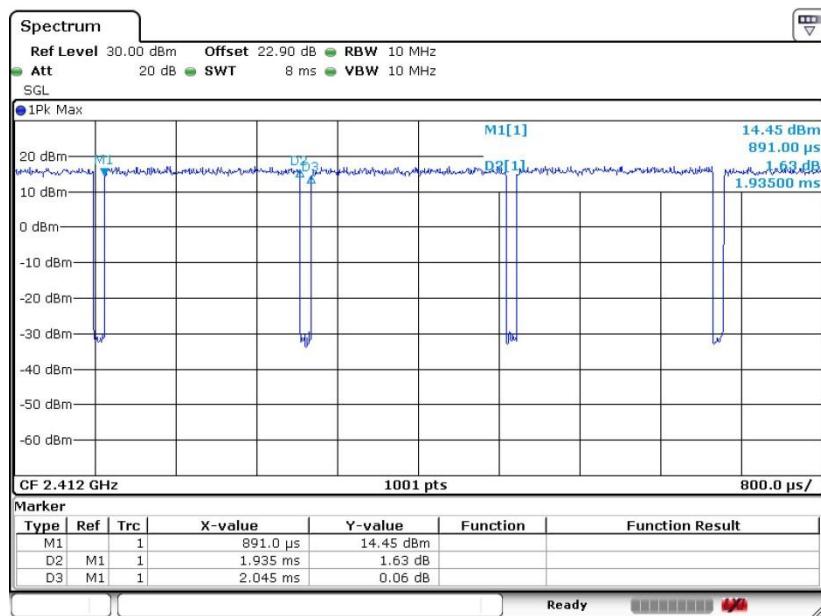
Date: 4.JUL.2019 03:43:08



## FCC RADIO TEST REPORT

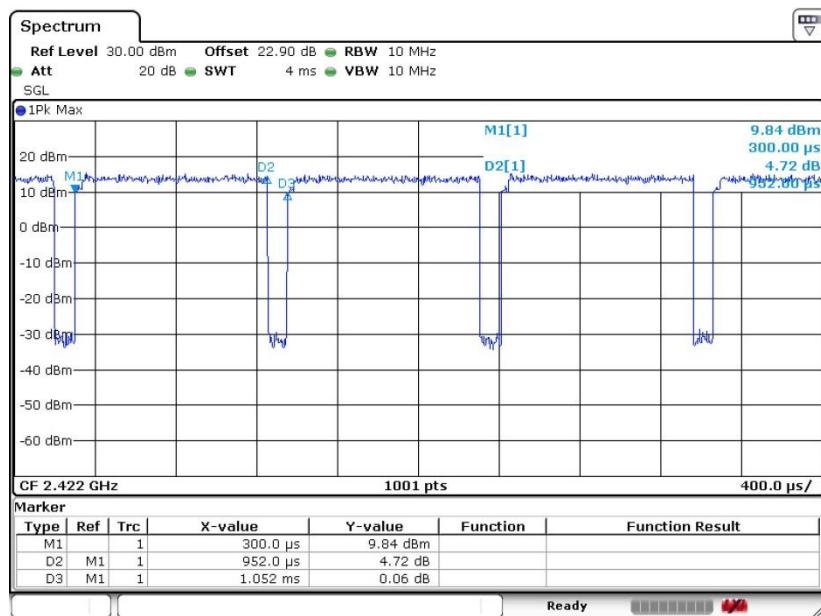
Report No. : FR911635C

### 802.11ac VHT20



Date: 4.JUL.2019 03:21:57

### 802.11ac VHT40



Date: 4.JUL.2019 04:24:53

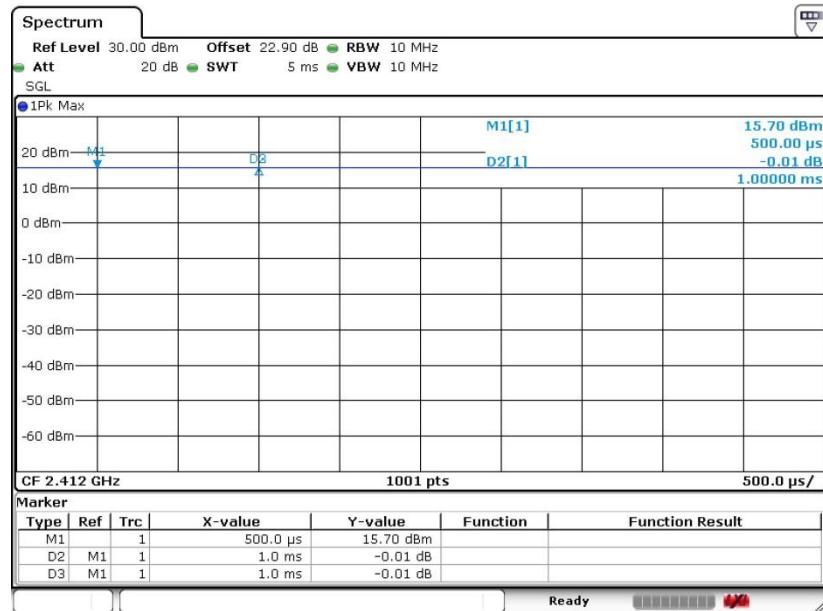


# FCC RADIO TEST REPORT

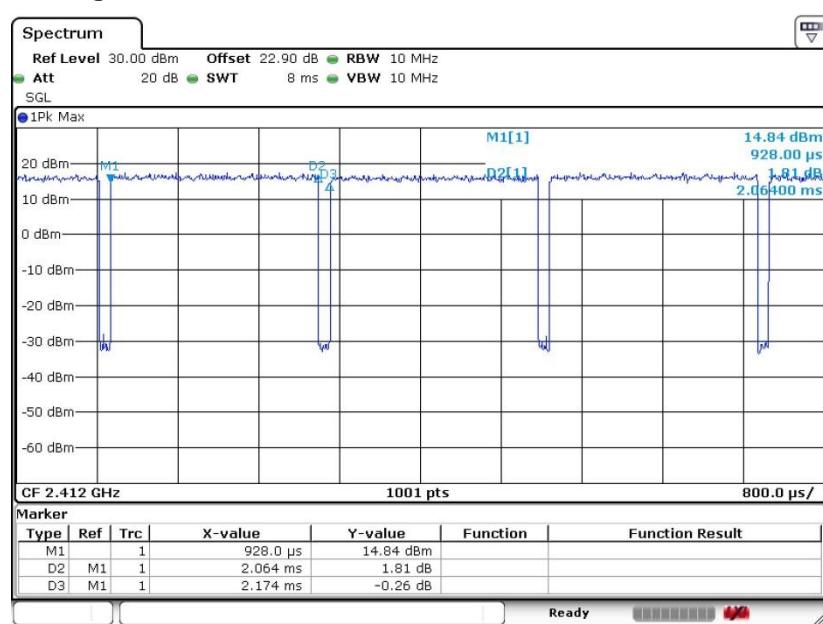
Report No. : FR911635C

## MIMO <Ant. 2>

### 802.11b

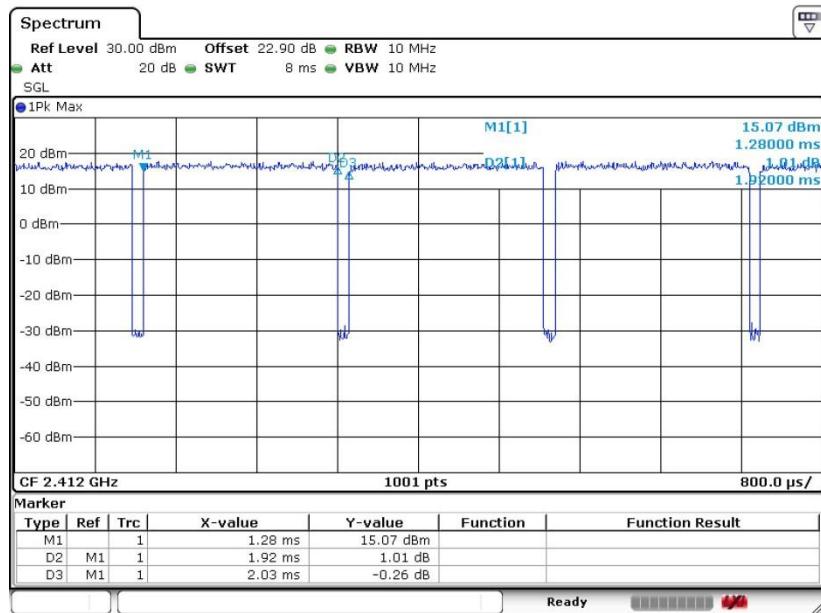


### 802.11g



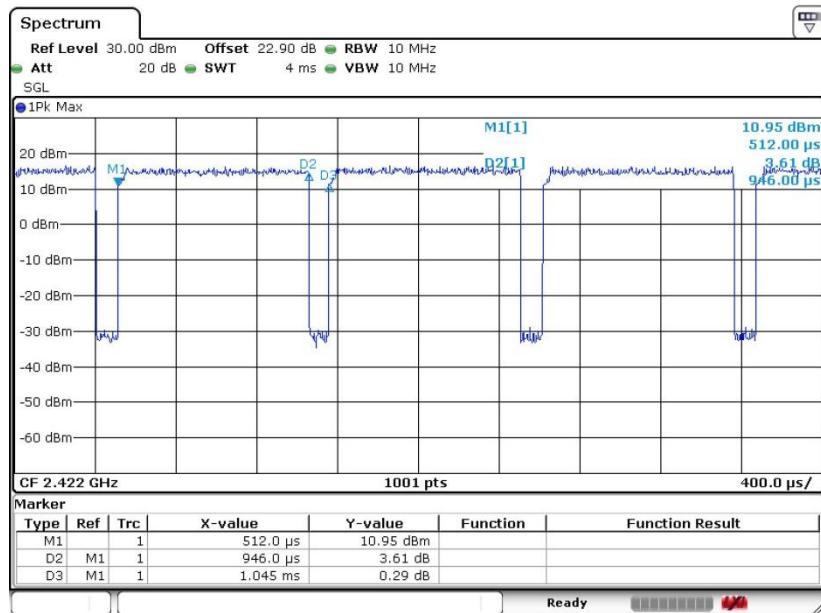


## 802.11n HT20



Date: 4.JUL.2019 03:04:54

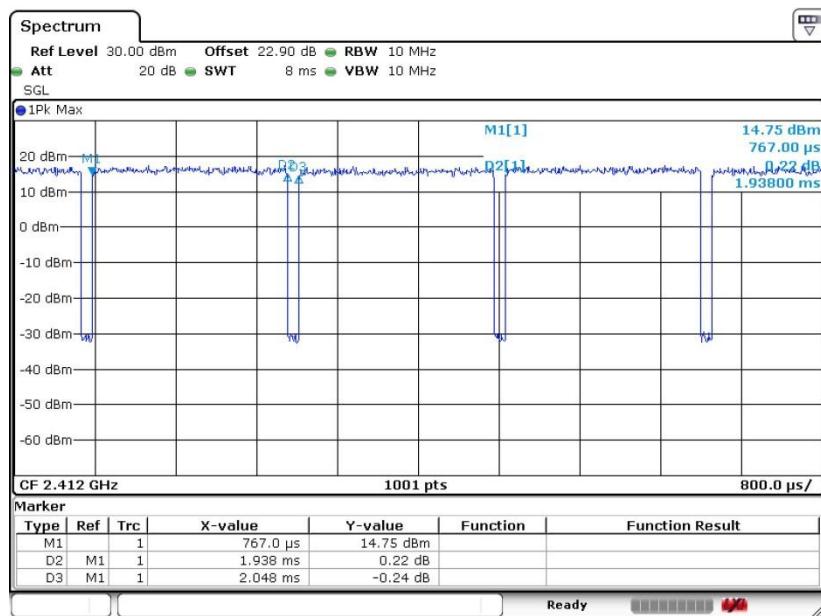
## 802.11n HT40



Date: 4.JUL.2019 03:45:27

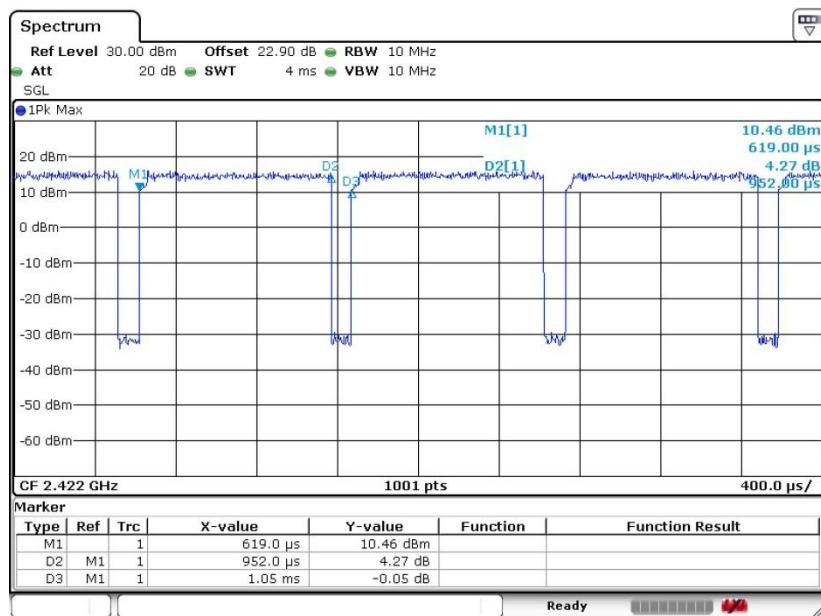


## 802.11ac VHT20



Date: 4.JUL.2019 03:23:13

## 802.11ac VHT40



Date: 4.JUL.2019 04:27:20