



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dB μ V/m)	Over Limit (dB)	Limit Line (dB μ V/m)	Read Level (dB μ V)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 12 2467MHz		2390	57.17	-16.83	74	47.64	26.87	6.32	33.59	255	67	P	H
		2390	46.74	-7.26	54	37.21	26.87	6.32	33.59	255	67	A	H
		2512	57.91	-16.09	74	47.91	27.25	6.39	33.57	255	67	P	H
		2544	55.47	-18.53	74	45.36	27.34	6.4	33.56	255	67	P	H
		2674	56.23	-17.77	74	45.66	27.67	6.52	33.55	255	67	P	H
		4934	43.49	-30.51	74	66.01	31.88	9.82	64.66	100	0	P	H
		7401	44.55	-29.45	74	60.02	37.4	11.63	64.87	100	0	P	H
		2380	55.5	-18.5	74	46.04	26.81	6.32	33.6	279	16	P	V
		2380	44.52	-9.48	54	35.06	26.81	6.32	33.6	279	16	A	V
		4934	41.36	-32.64	74	64.32	31.88	9.82	64.66	100	0	P	V
		7401	45.55	-28.45	74	61.39	37.4	11.63	64.87	100	0	P	V
802.11n HT20 CH 13 2472MHz		2390	54.15	-19.85	74	44.62	26.87	6.32	33.59	259	69	P	H
		2390	46.32	-7.68	54	36.79	26.87	6.32	33.59	259	69	A	H
		2546	56.06	-17.94	74	45.95	27.34	6.4	33.56	259	69	P	H
		2682	53.63	-20.37	74	43	27.71	6.54	33.55	259	69	P	H
		4944	42.44	-31.56	74	64.91	31.91	9.82	64.64	100	0	P	H
		7416	44.46	-29.54	74	59.9	37.4	11.66	64.87	100	0	P	H
		2390	54.79	-19.21	74	45.26	26.87	6.32	33.59	275	18	P	V
		2390	44.02	-9.98	54	34.49	26.87	6.32	33.59	275	18	A	V
		4944	40.86	-33.14	74	63.77	31.91	9.82	64.64	100	0	P	V
		7416	44.74	-29.26	74	60.55	37.4	11.66	64.87	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

Emission below 1GHz

2.4GHz WIFI 802.11n HT20 (LF)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dB μ V/m)	(dB)	(dB μ V/m)	(dB μ V)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11n HT20 LF		96.69	22.74	-20.76	43.5	38.19	15.74	1.27	32.48			P	H
		182.28	34.38	-9.12	43.5	50.2	15.22	1.69	32.82			P	H
		201.72	36.93	-6.57	43.5	51.91	16.04	1.8	32.88	128	39	P	H
		316.8	30.35	-15.65	46	40.17	20.18	2.28	32.36			P	H
		355.3	26.52	-19.48	46	35.21	21.23	2.39	32.35			P	H
		958.7	33.41	-12.59	46	29.9	30.58	3.87	31.12			P	H
		59.7	32.21	-7.79	40	51.72	11.9	1.06	32.49			P	V
		182.28	32.21	-11.29	43.5	48.03	15.22	1.69	32.82			P	V
		201.72	35.91	-7.59	43.5	50.89	16.04	1.8	32.88	158	93	P	V
		489.7	28.55	-17.45	46	34.11	23.93	2.84	32.38			P	V
		598.2	32.09	-13.91	46	35.71	25.67	3.09	32.46			P	V
		715.1	34.74	-11.26	46	36.67	26.99	3.38	32.43			P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

**Note symbol**

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical



A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dB μ V/m)	(dB)	(dB μ V/m)	(dB μ V)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Level(dB μ V/m) =

$$= \text{Antenna Factor(dB/m)} + \text{Cable Loss(dB)} + \text{Read Level(dB μ V)} - \text{Preamp Factor(dB)}$$

2. Over Limit(dB) = Level(dB μ V/m) – Limit Line(dB μ V/m)

For Peak Limit @ 2390MHz:

1. Level(dB μ V/m)

$$= \text{Antenna Factor(dB/m)} + \text{Cable Loss(dB)} + \text{Read Level(dB μ V)} - \text{Preamp Factor(dB)}$$

$$= 32.22(\text{dB/m}) + 4.58(\text{dB}) + 54.51(\text{dB μ V}) - 35.86 (\text{dB})$$

$$= 55.45 (\text{dB μ V/m})$$

2. Over Limit(dB)

$$= \text{Level(dB μ V/m)} - \text{Limit Line(dB μ V/m)}$$

$$= 55.45(\text{dB μ V/m}) - 74(\text{dB μ V/m})$$

$$= -18.55(\text{dB})$$

For Average Limit @ 2390MHz:

1. Level(dB μ V/m)

$$= \text{Antenna Factor(dB/m)} + \text{Cable Loss(dB)} + \text{Read Level(dB μ V)} - \text{Preamp Factor(dB)}$$

$$= 32.22(\text{dB/m}) + 4.58(\text{dB}) + 42.6(\text{dB μ V}) - 35.86 (\text{dB})$$

$$= 43.54 (\text{dB μ V/m})$$

2. Over Limit(dB)

$$= \text{Level(dB μ V/m)} - \text{Limit Line(dB μ V/m)}$$

$$= 43.54(\text{dB μ V/m}) - 54(\text{dB μ V/m})$$

$$= -10.46(\text{dB})$$

Both peak and average measured complies with the limit line, so test result is “PASS”.



Appendix D. Radiated Spurious Emission Plots

Test Engineer :	J.C. Liang, Jacky Hung, Ken Wu	Temperature :	20~24°C
		Relative Humidity :	55~60%

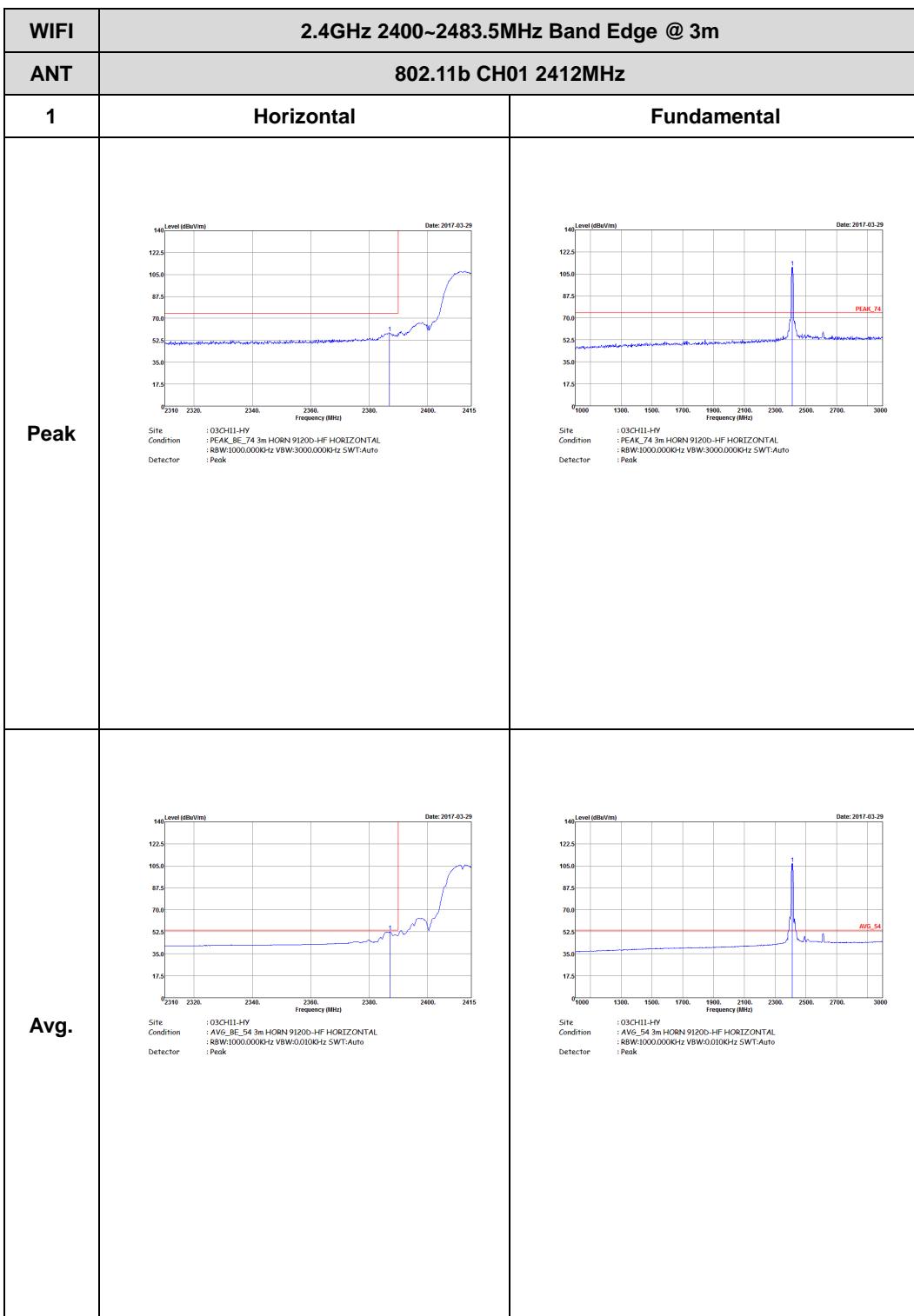
Note symbol

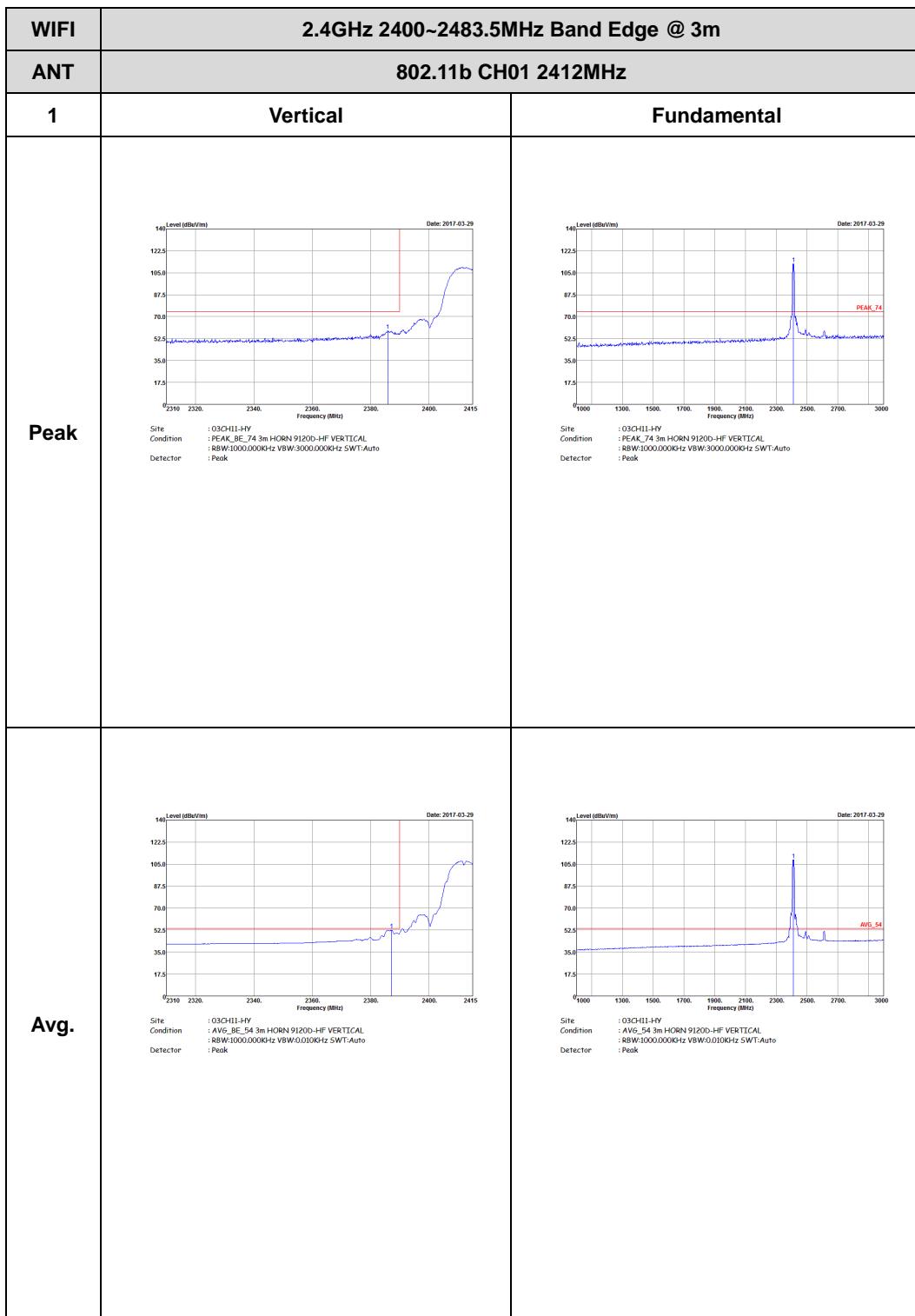
-L	Low channel location
-R	High channel location

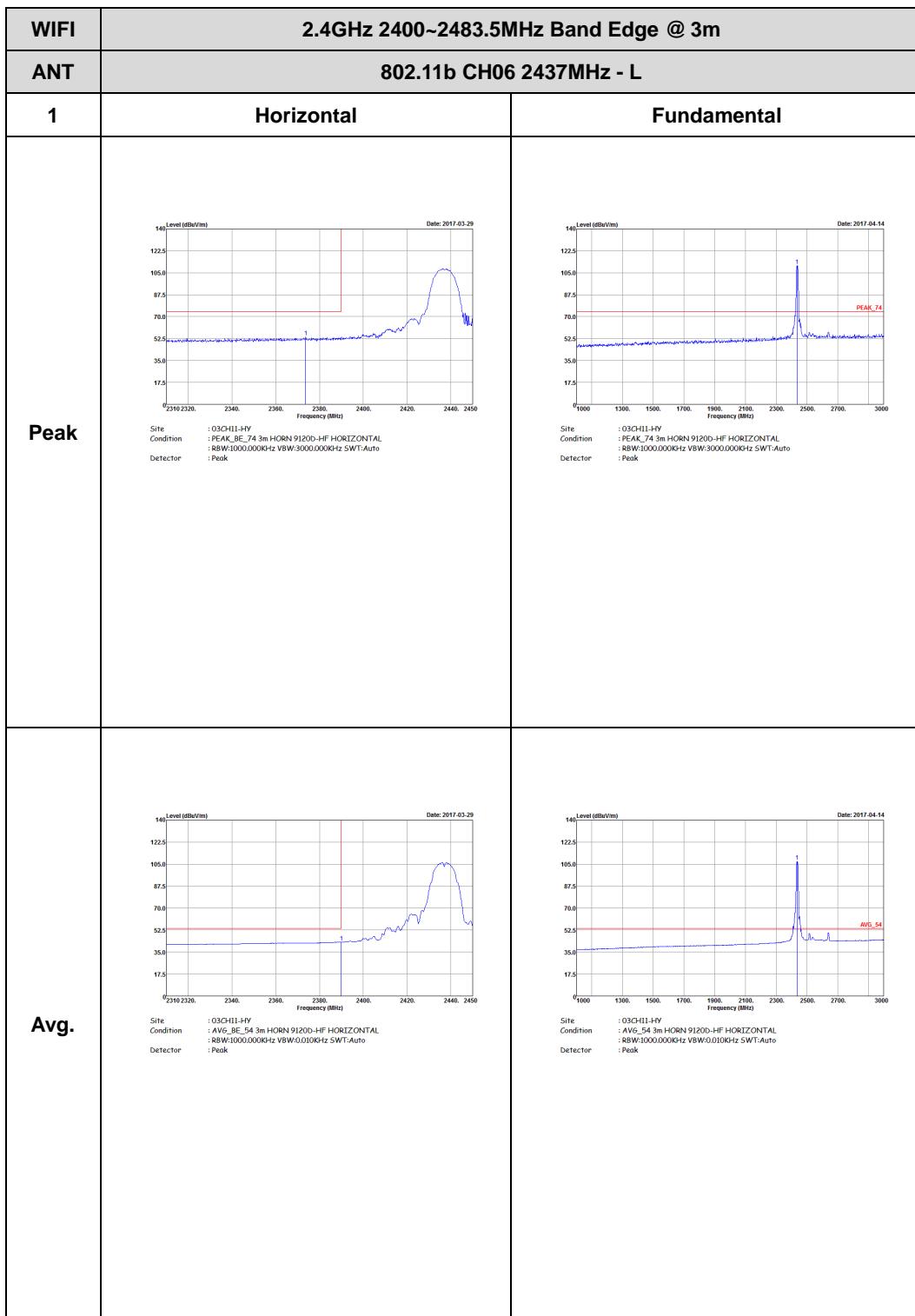


2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

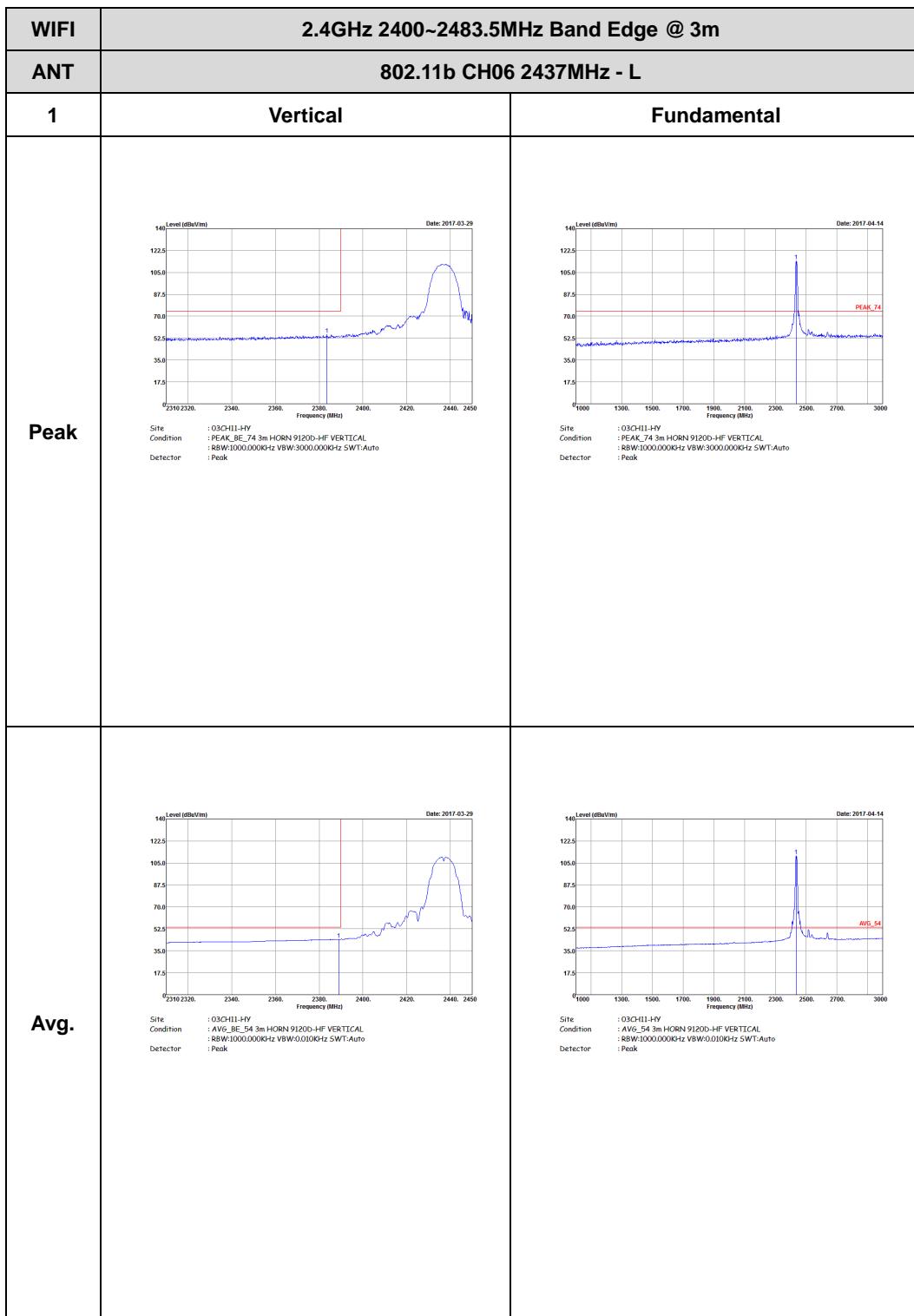






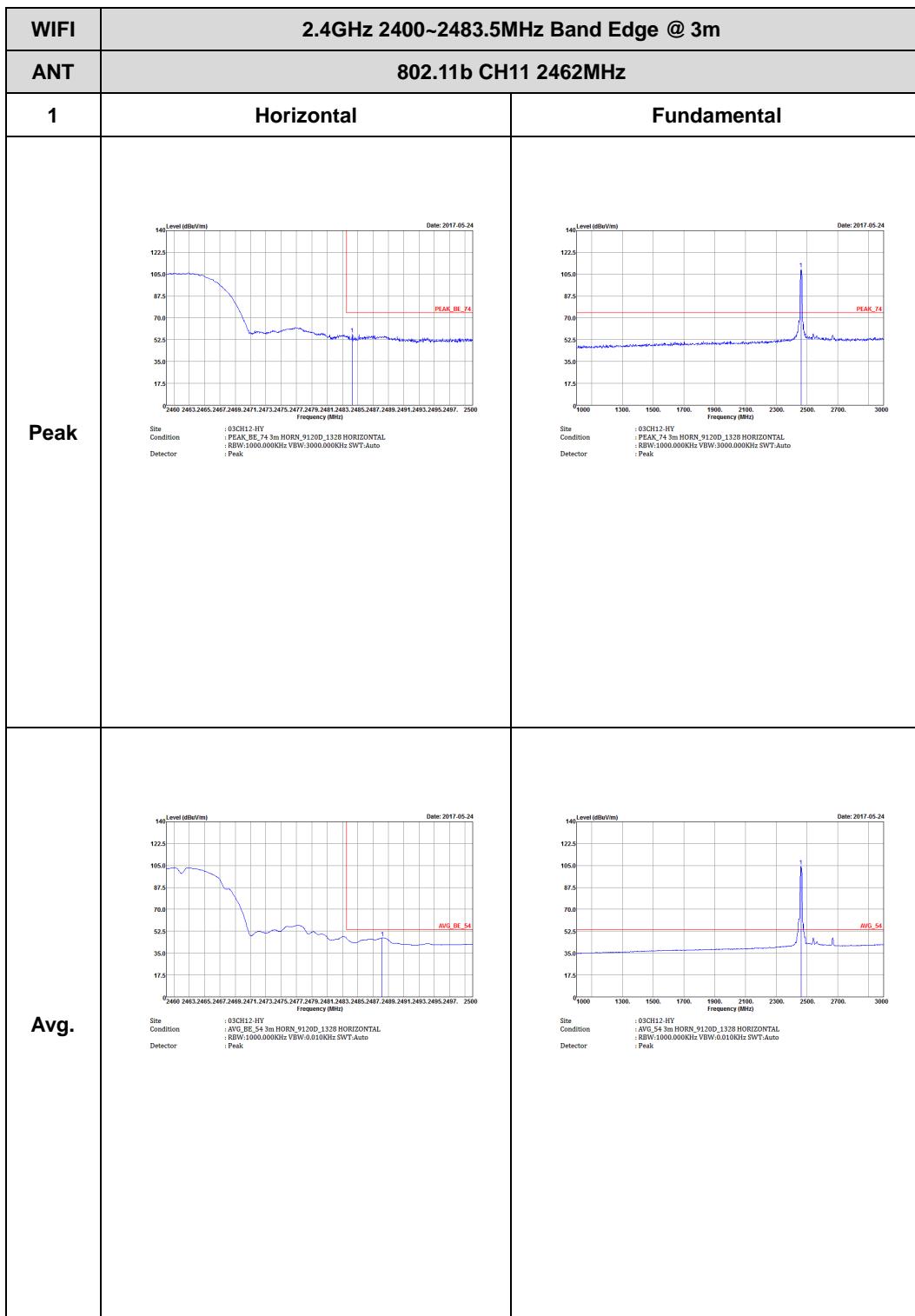


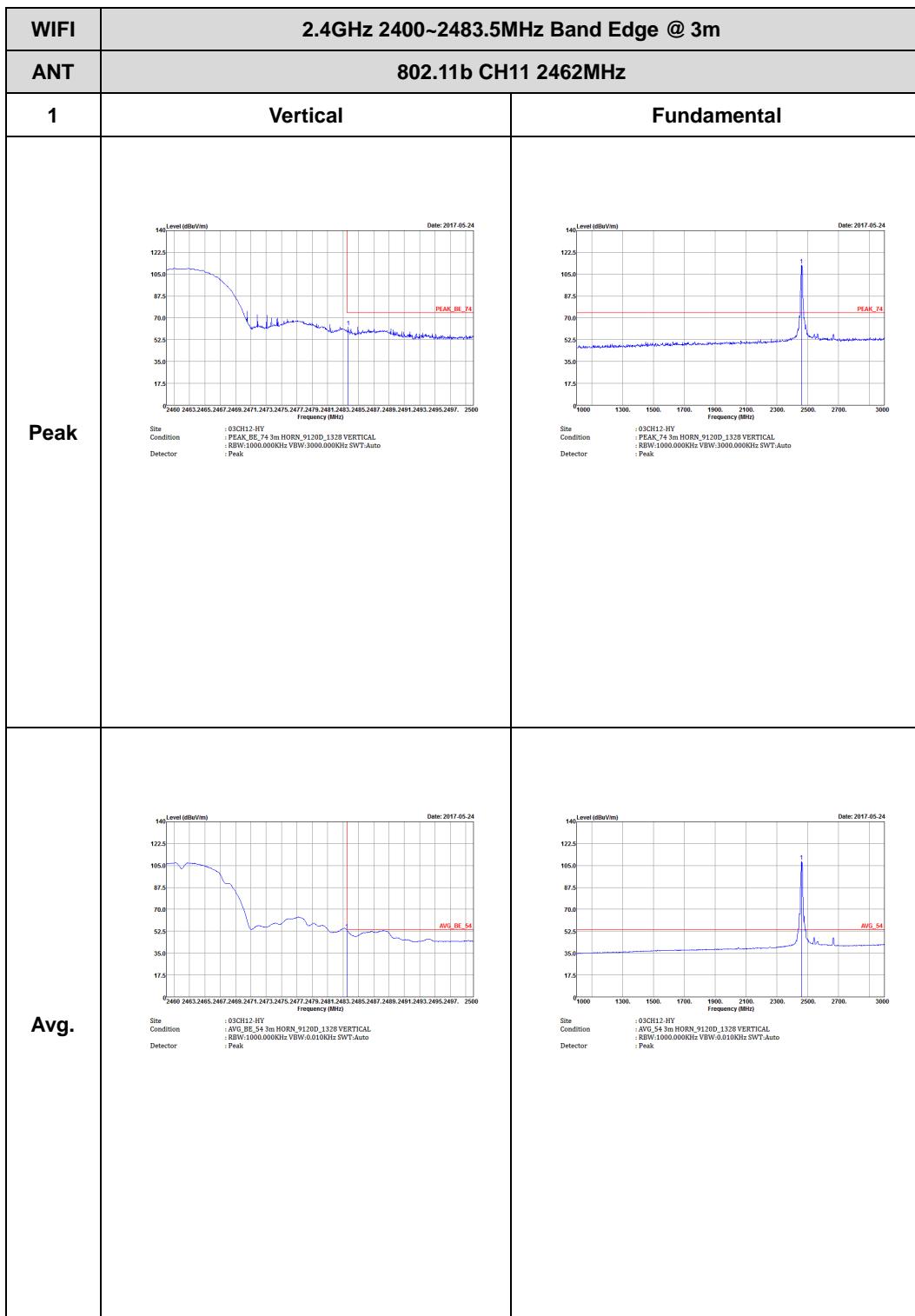
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Level (dBuV/m)</p> <p>Date: 2017-03-29</p> <p>Site: 03CH11-HY</p> <p>Condition: PEAK_BE_74 3m HORN 91200-HF HORIZONTAL</p> <p>:R8W:1000.0000Hz VBW:3000.0000Hz SWT:Auto</p> <p>Detector: Peak</p>	Left blank
Avg.	 <p>Level (dBuV/m)</p> <p>Date: 2017-03-29</p> <p>Site: 03CH11-HY</p> <p>Condition: AVG_BE_54 3m HORN 91200-HF HORIZONTAL</p> <p>:R8W:1000.0000Hz VBW:0.0100Hz SWT:Auto</p> <p>Detector: Peak</p>	Left blank

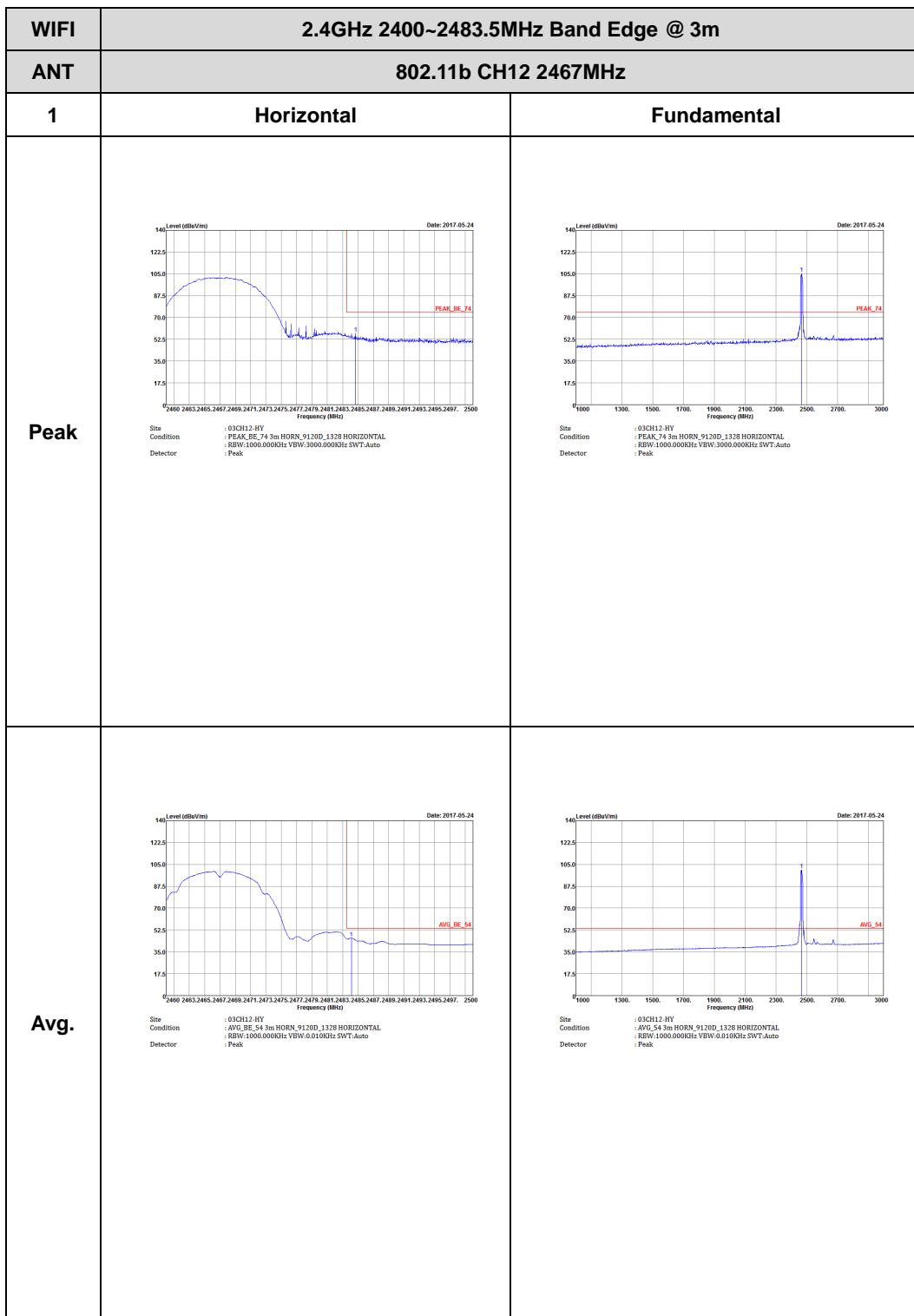


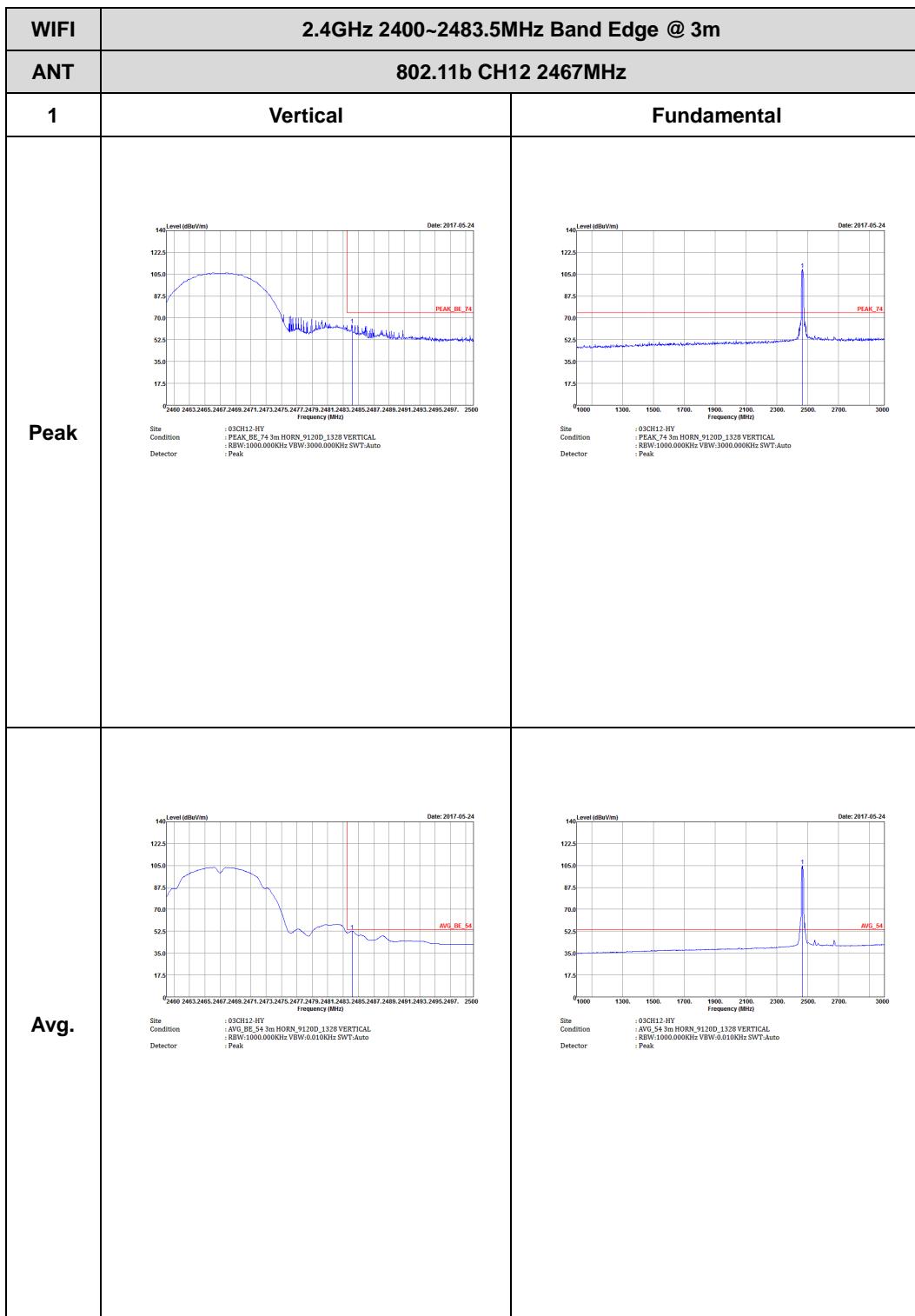


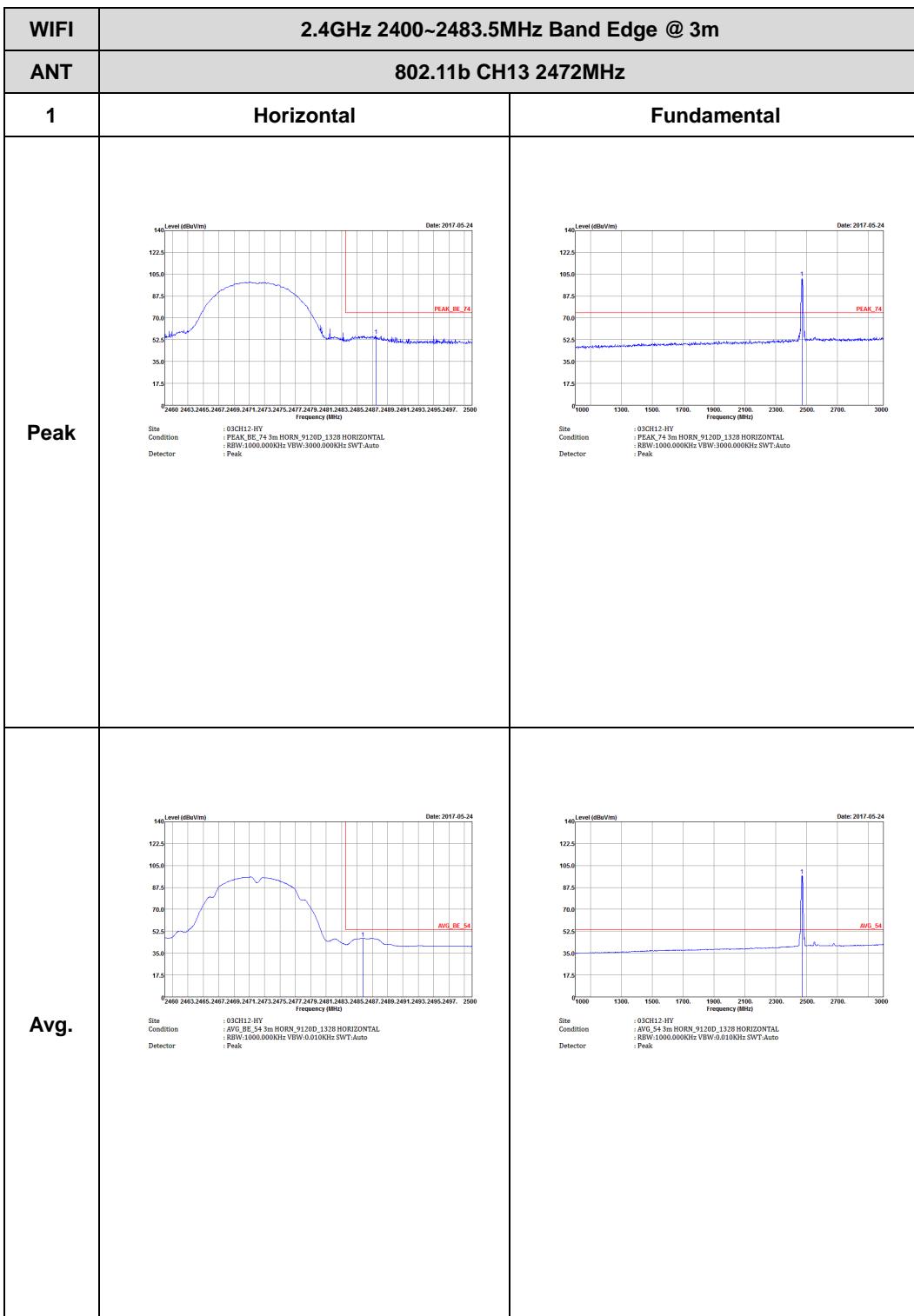
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	 <p>Level (dBuV/m)</p> <p>Date: 2017-03-29</p> <p>Site: 03CH11-HY Condition: PEAK_BE_74 3m HORN 91200-HF VERTICAL Detector: R8W:1000.000KHz VBW:3000.000KHz SWT:Auto Detector: Peak</p>	Left blank
Avg.	 <p>Level (dBuV/m)</p> <p>Date: 2017-03-29</p> <p>Site: 03CH11-HY Condition: AVG_BE_54 3m HORN 91200-HF VERTICAL Detector: R8W:1000.000KHz VBW:0.010KHz SWT:Auto Detector: Peak</p>	Left blank

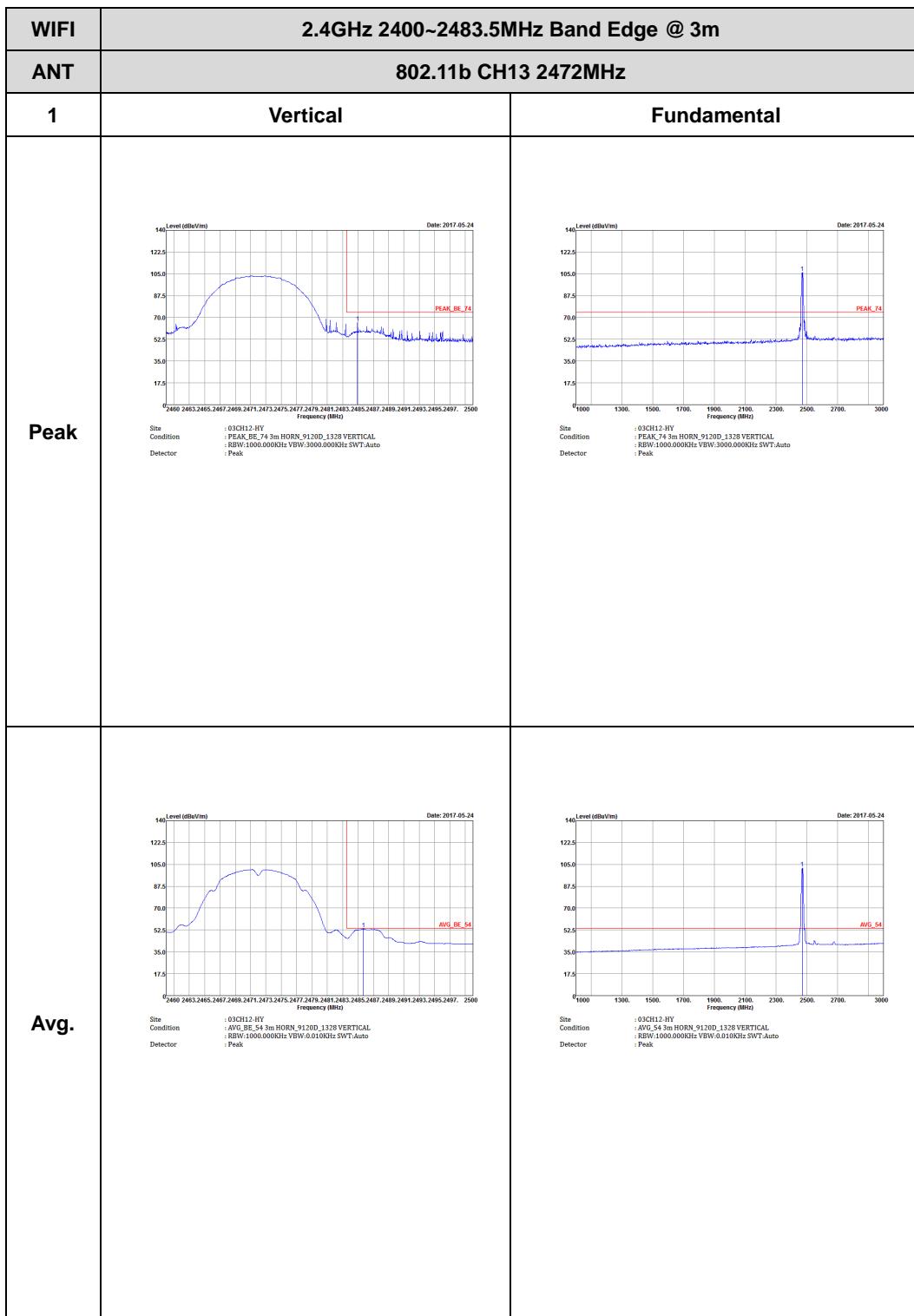








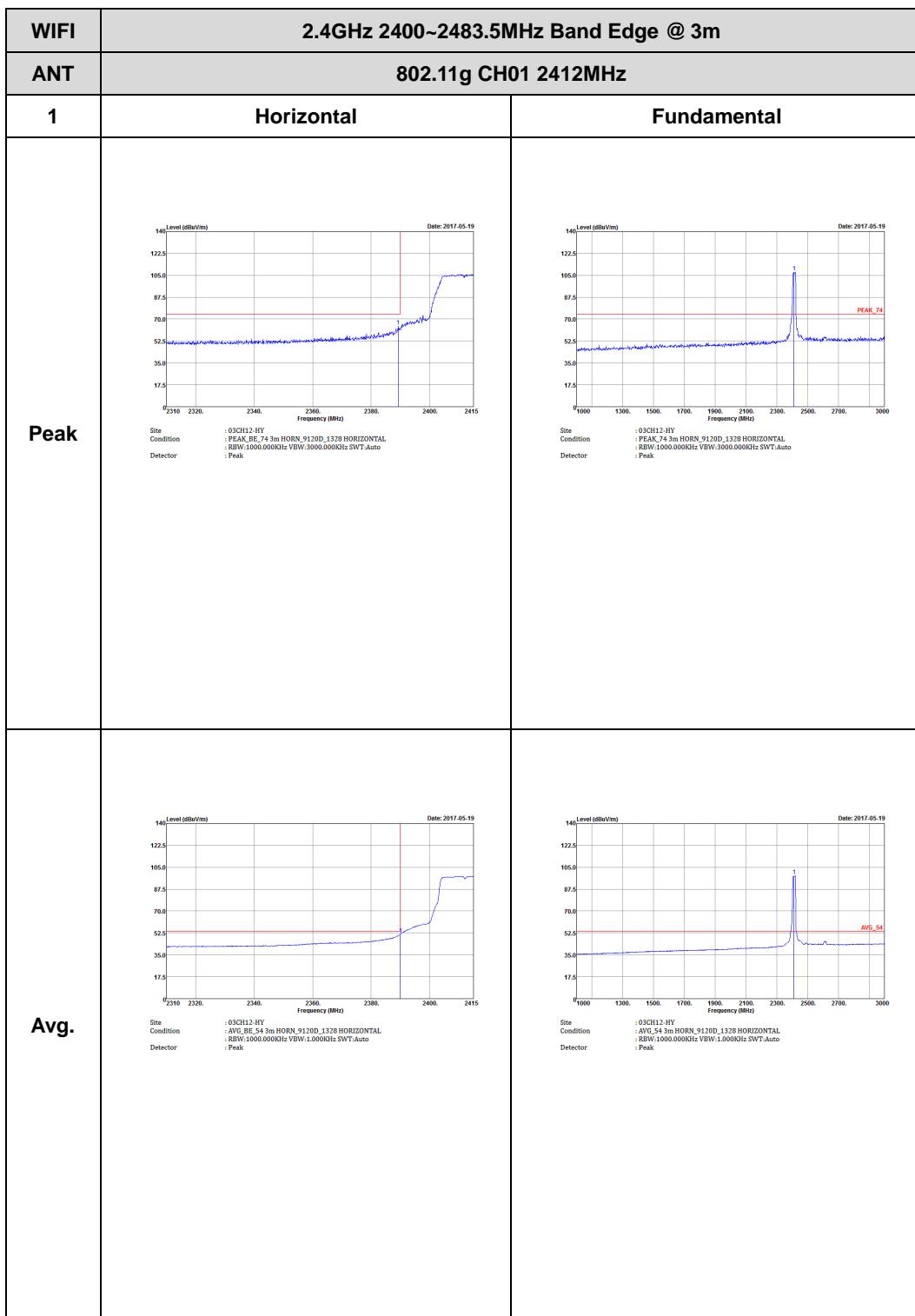


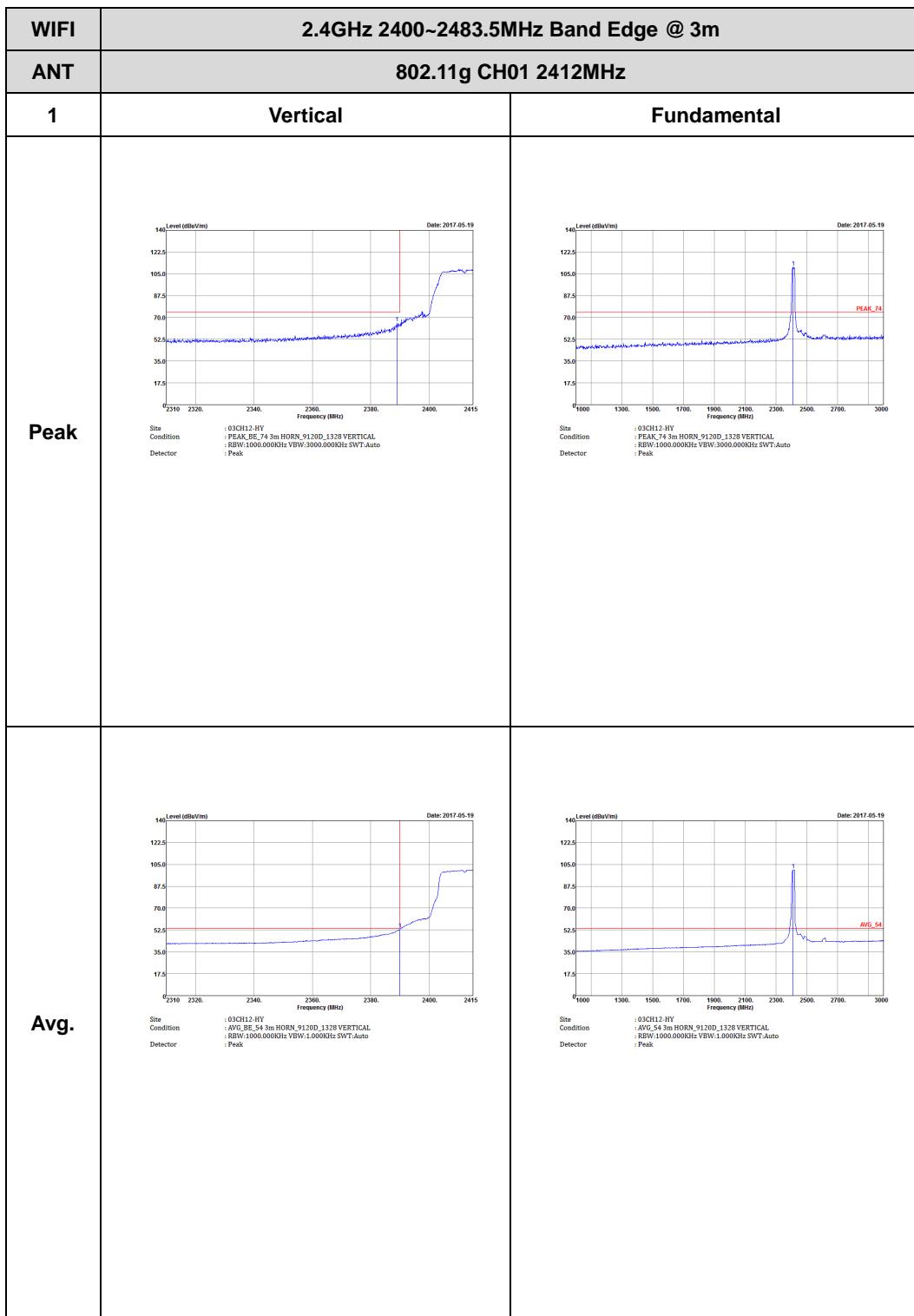


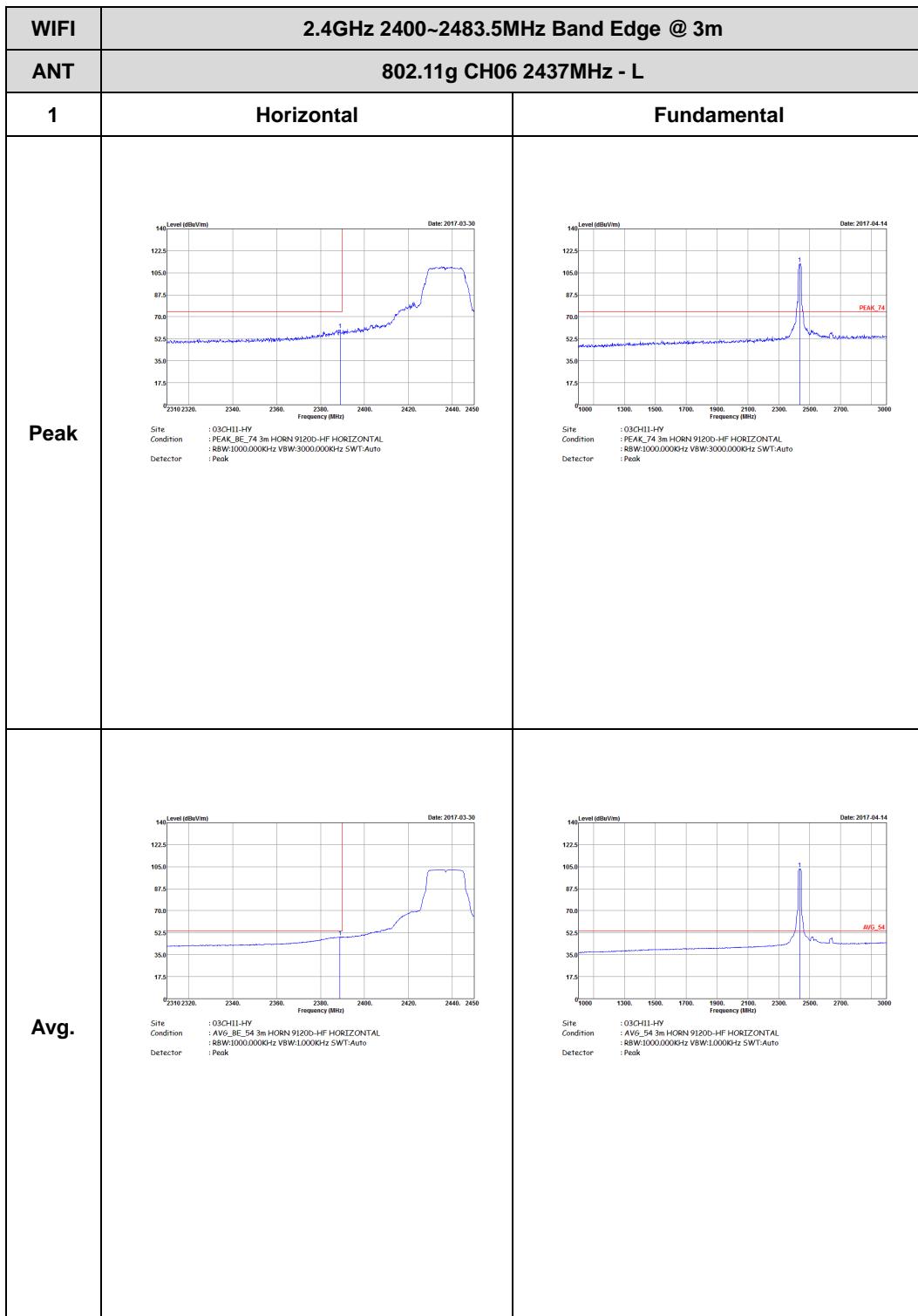


2.4GHz 2400~2483.5MHz

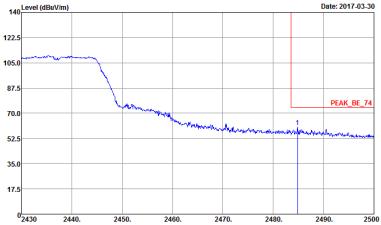
WIFI 802.11g (Band Edge @ 3m)

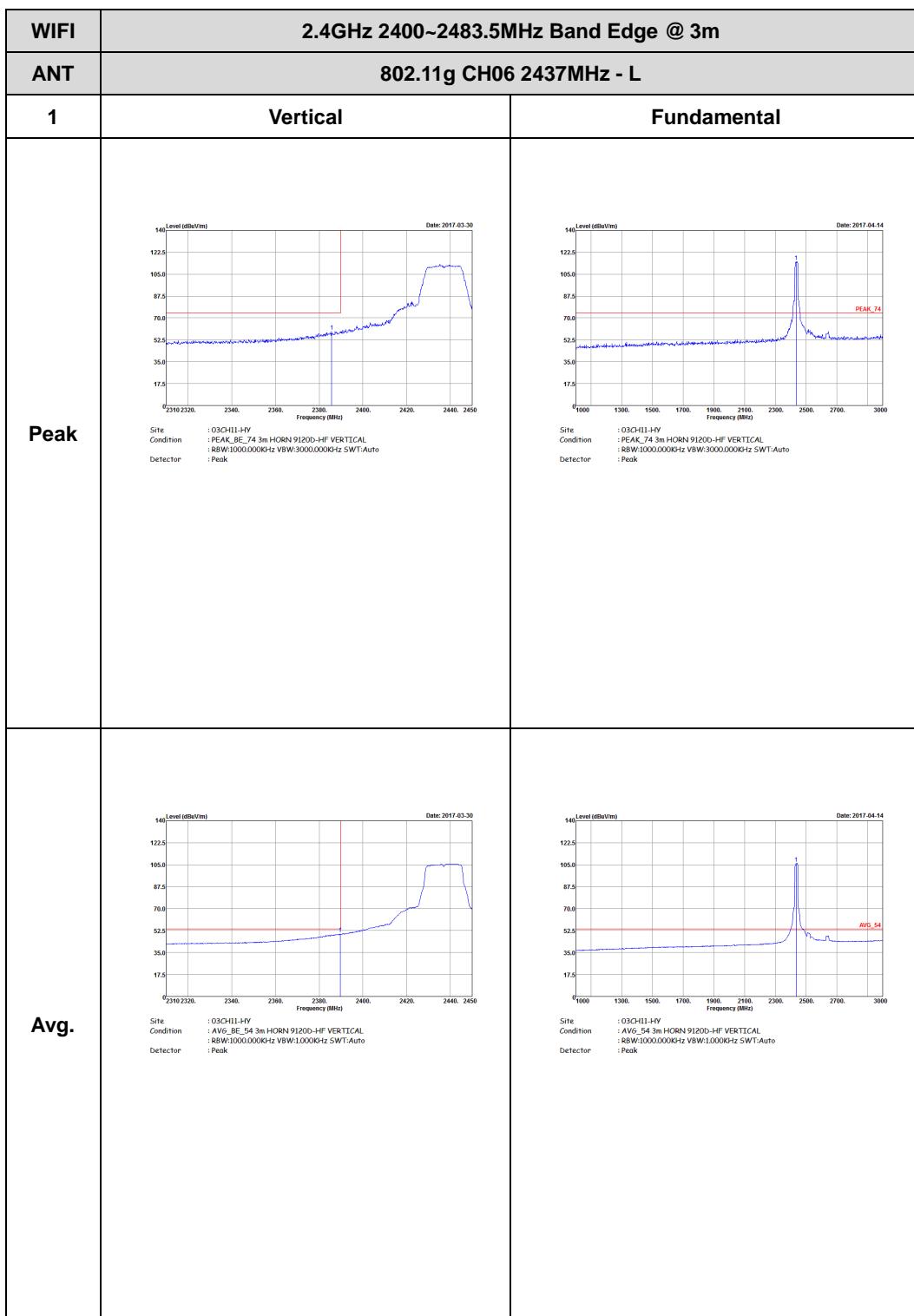






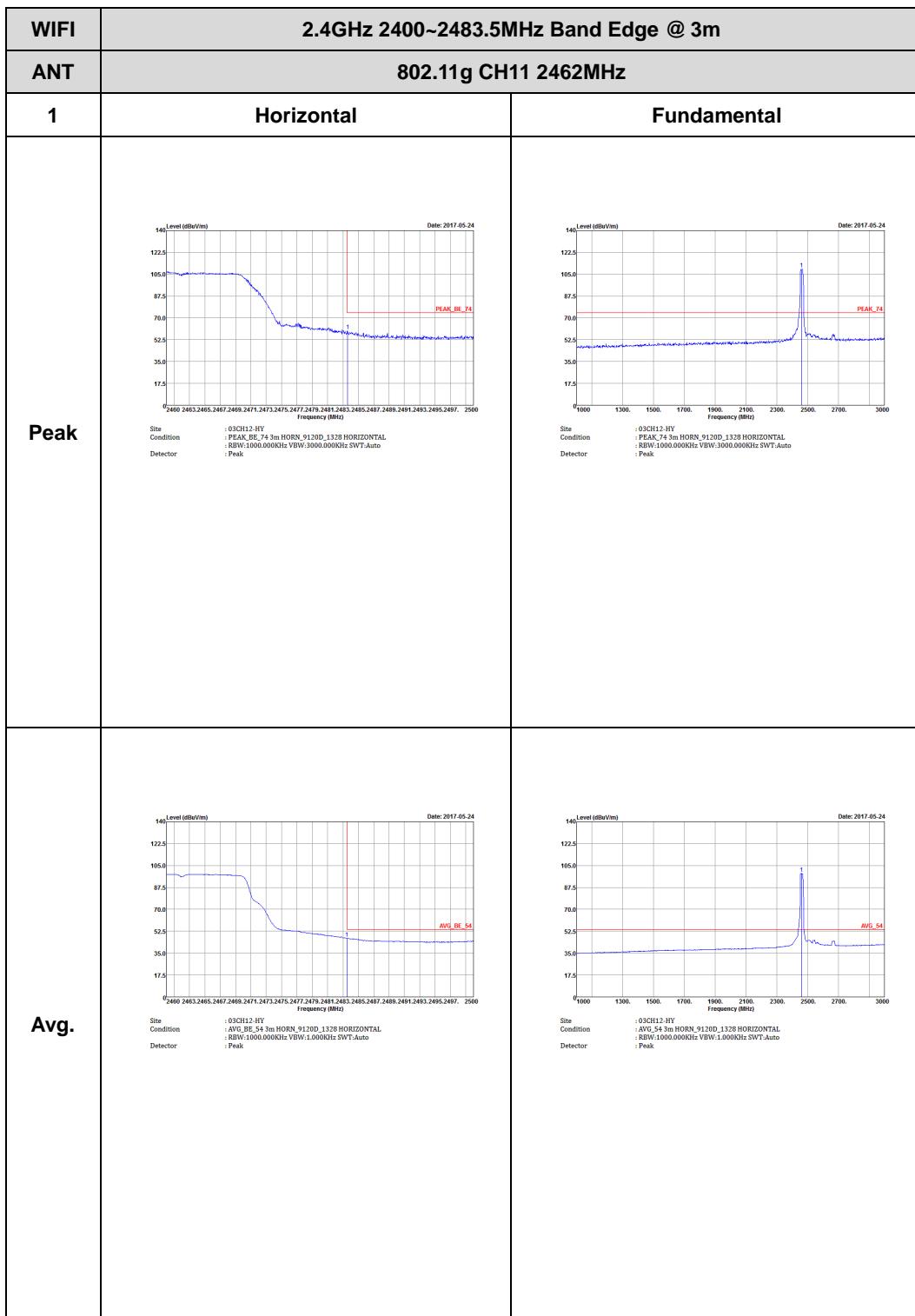


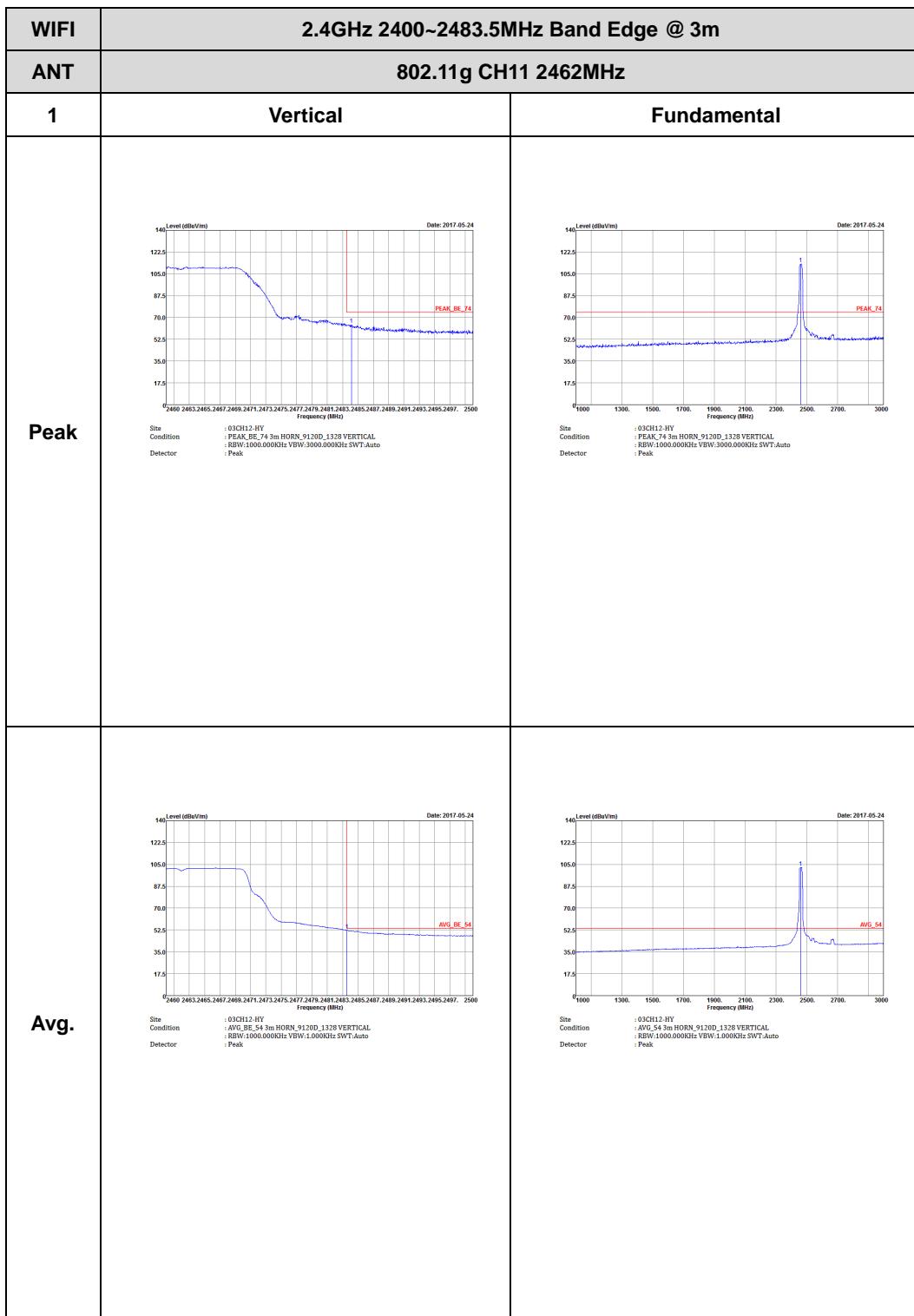
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : R8W:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2017-03-30 PEAK_BE_74</p>	Left blank
Avg.	 <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : R8W:1000.000KHz VBW:1.000KHz SWT:Auto Date: 2017-03-30 AVG_BE_54</p>	Left blank

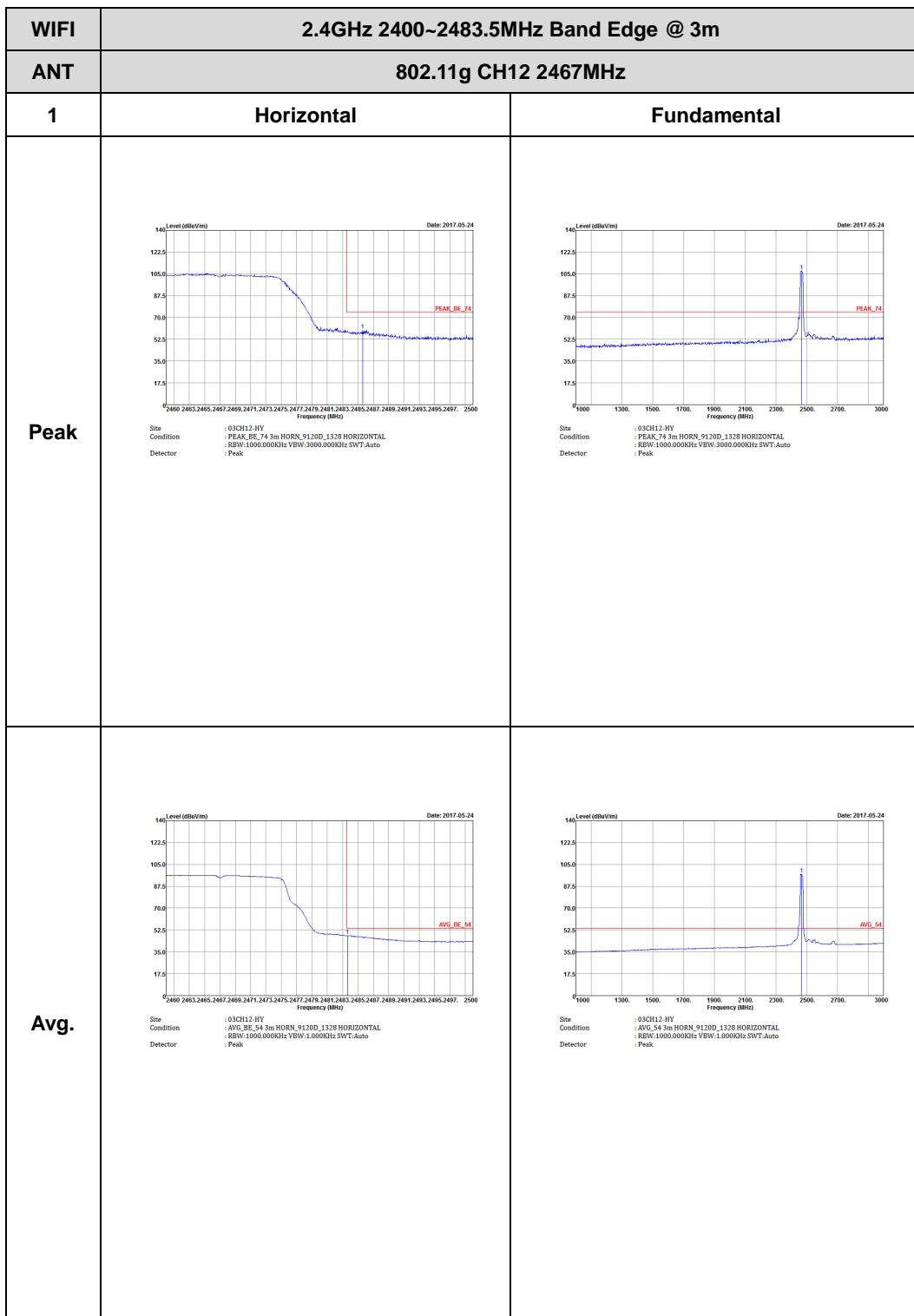


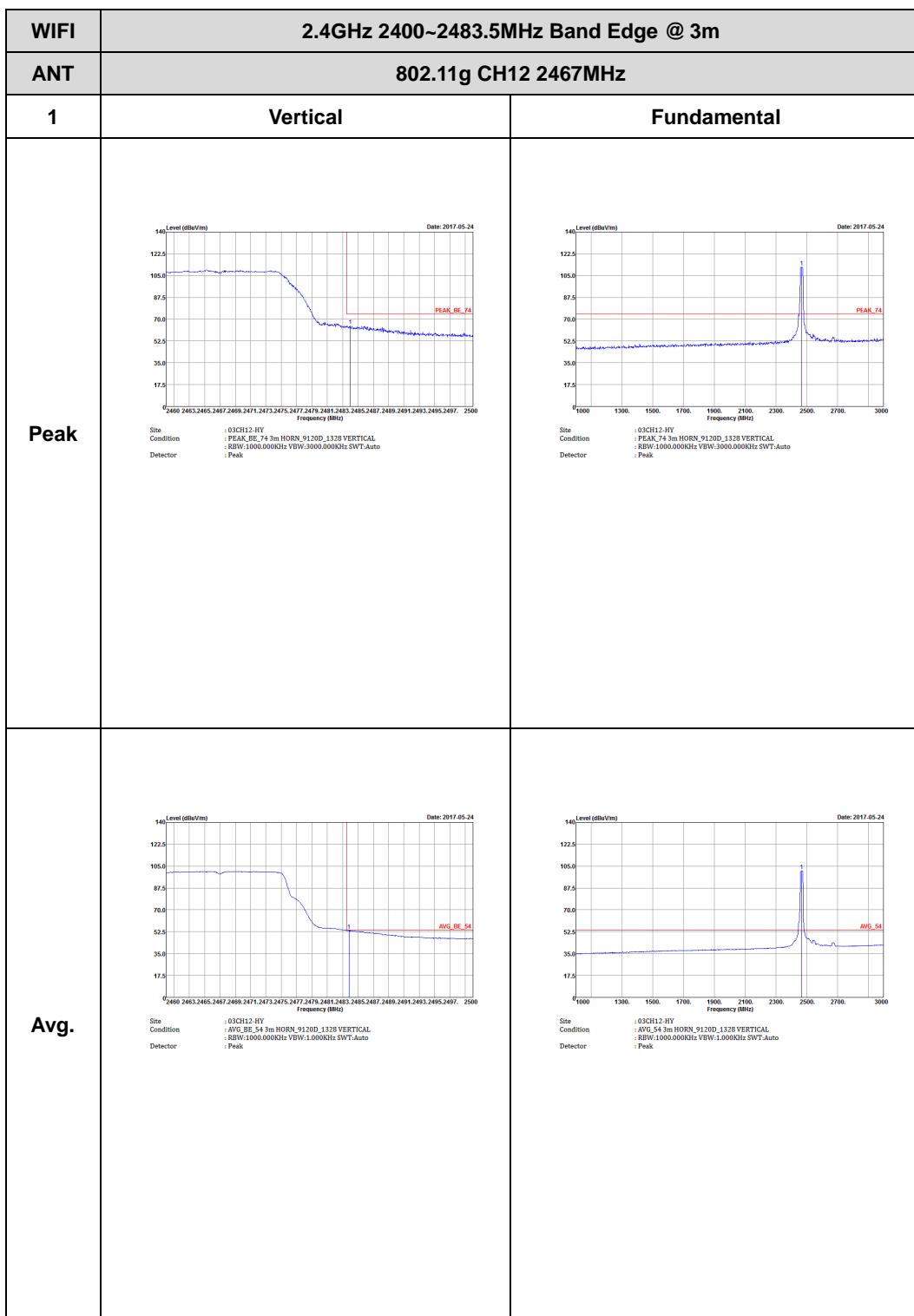


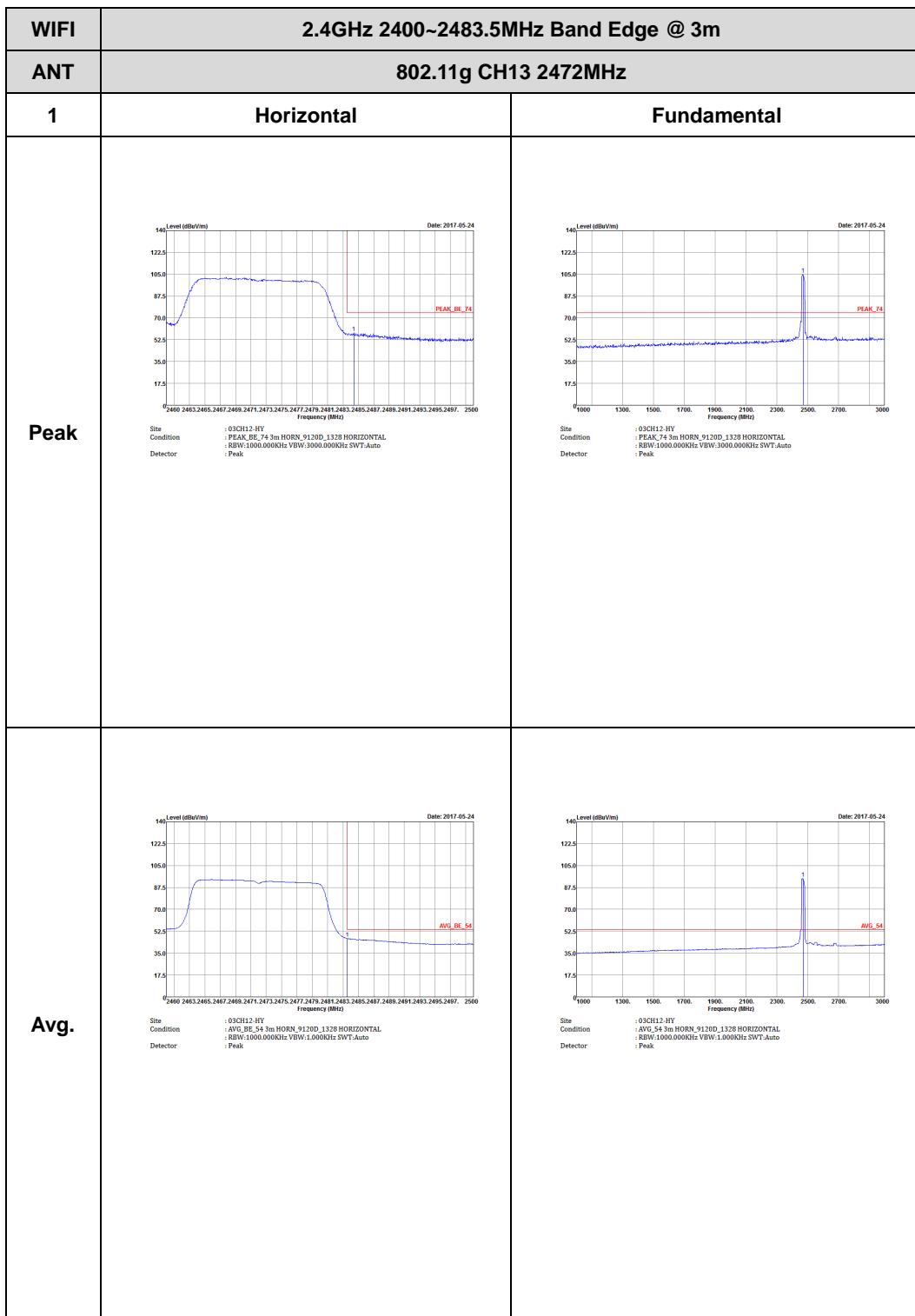
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	<p>Level (dBuV/m)</p> <p>Date: 2017-03-30</p> <p>140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0</p> <p>2430 2440. 2450. 2460. 2470. 2480. 2490. 2500</p> <p>Frequency (MHz)</p> <p>Site: 03CH11-HY Condition: PEAK_BE_74 3m HORN 91200-HF VERTICAL :R8W:1000.0000Hz VBW:3000.0000Hz SWT:Auto Detector: Peak</p>	Left Blank
Avg.	<p>Level (dBuV/m)</p> <p>Date: 2017-03-30</p> <p>140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0</p> <p>2430 2440. 2450. 2460. 2470. 2480. 2490. 2500</p> <p>Frequency (MHz)</p> <p>Site: 03CH11-HY Condition: AVG_BE_54 3m HORN 91200-HF VERTICAL :R8W:1000.0000Hz VBW:1.0000Hz SWT:Auto Detector: Peak</p>	Left Blank

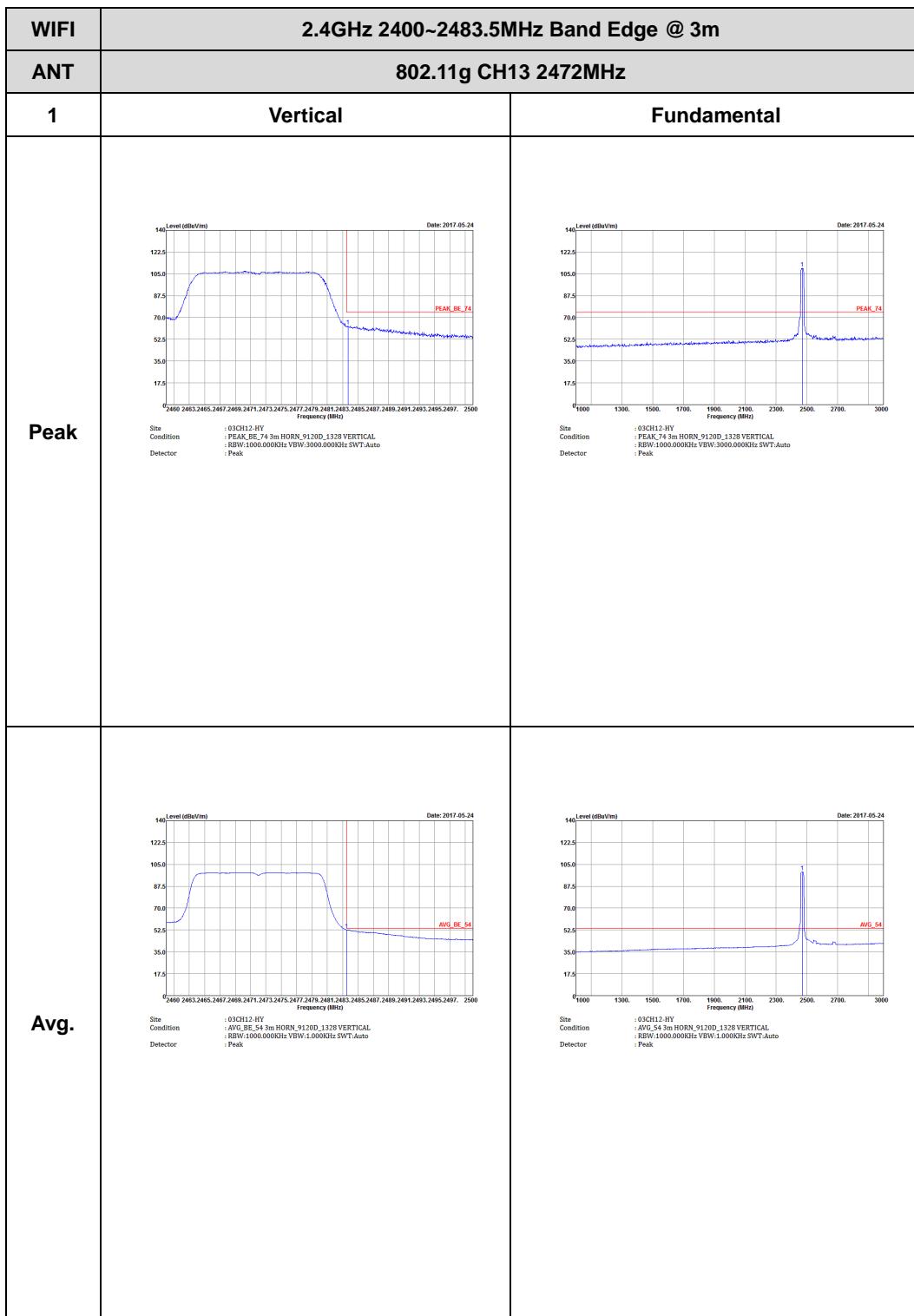








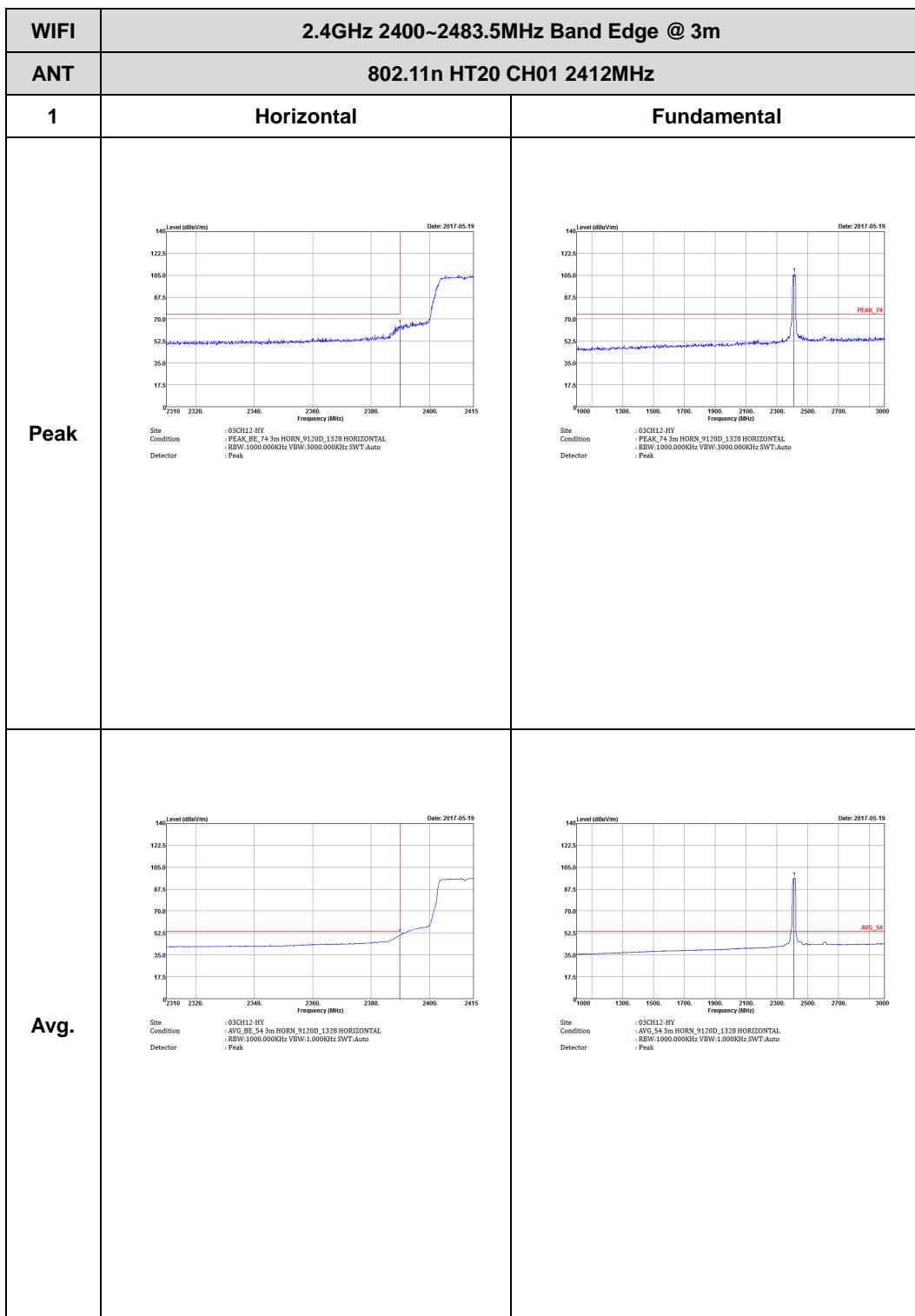


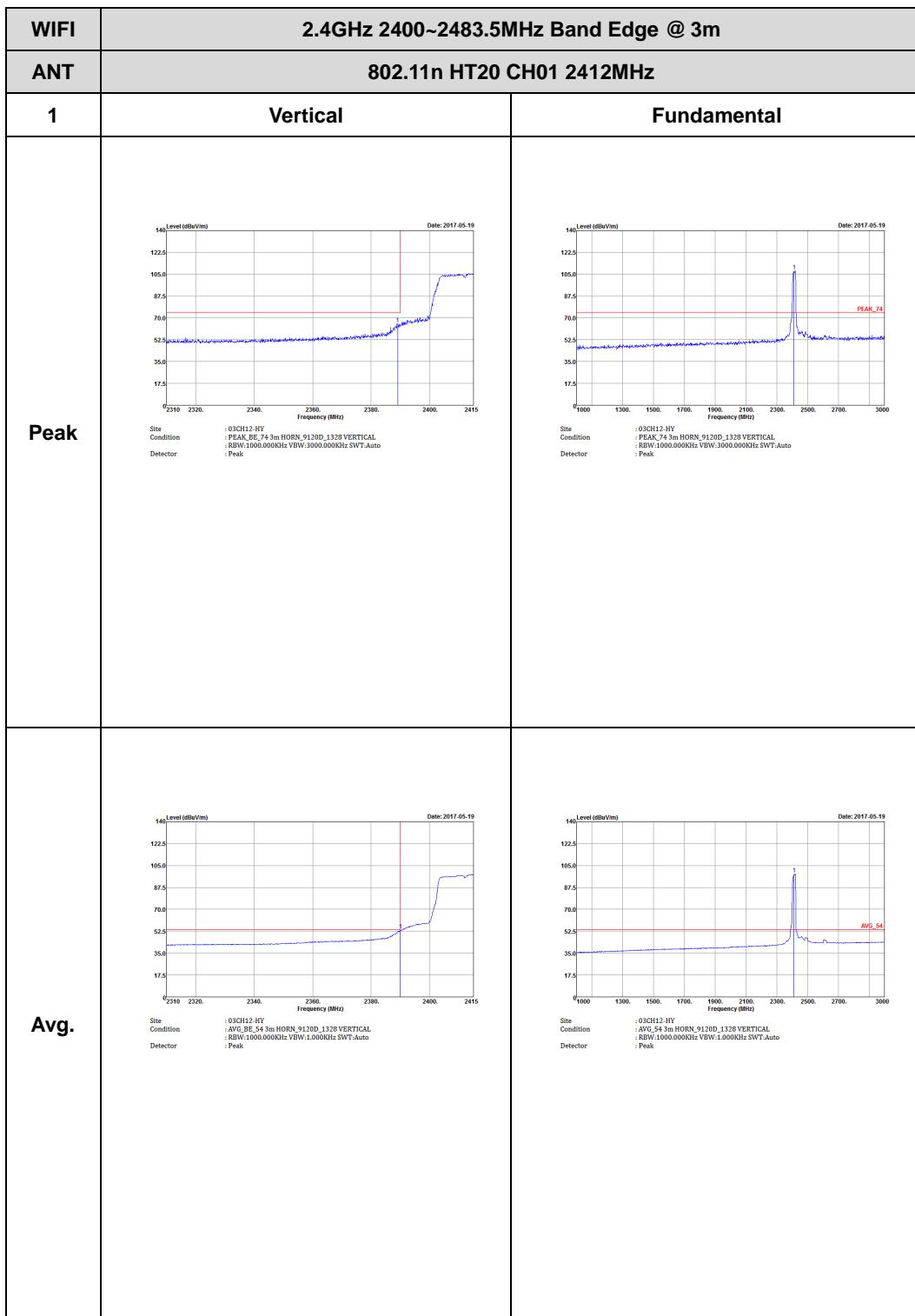


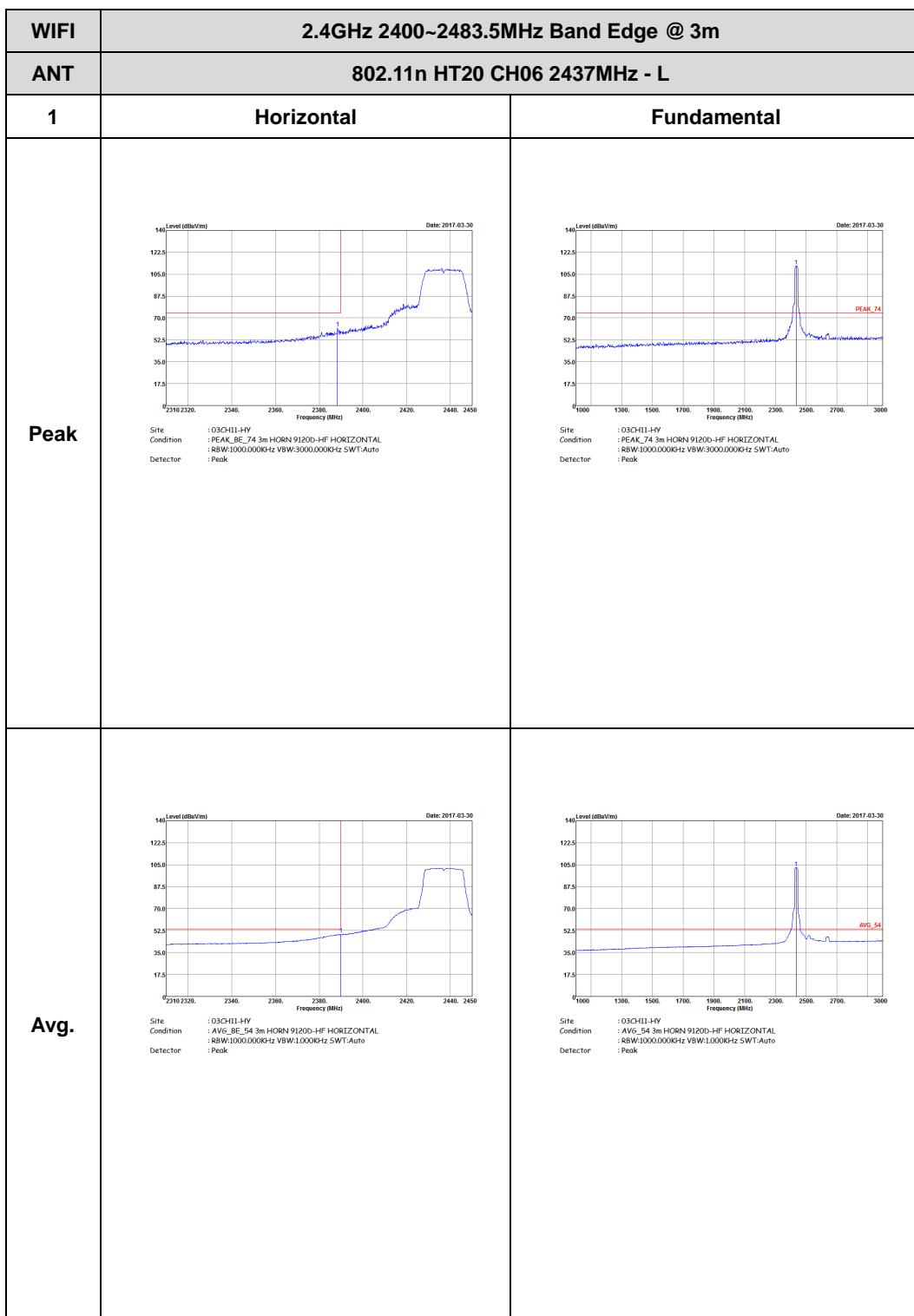


2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

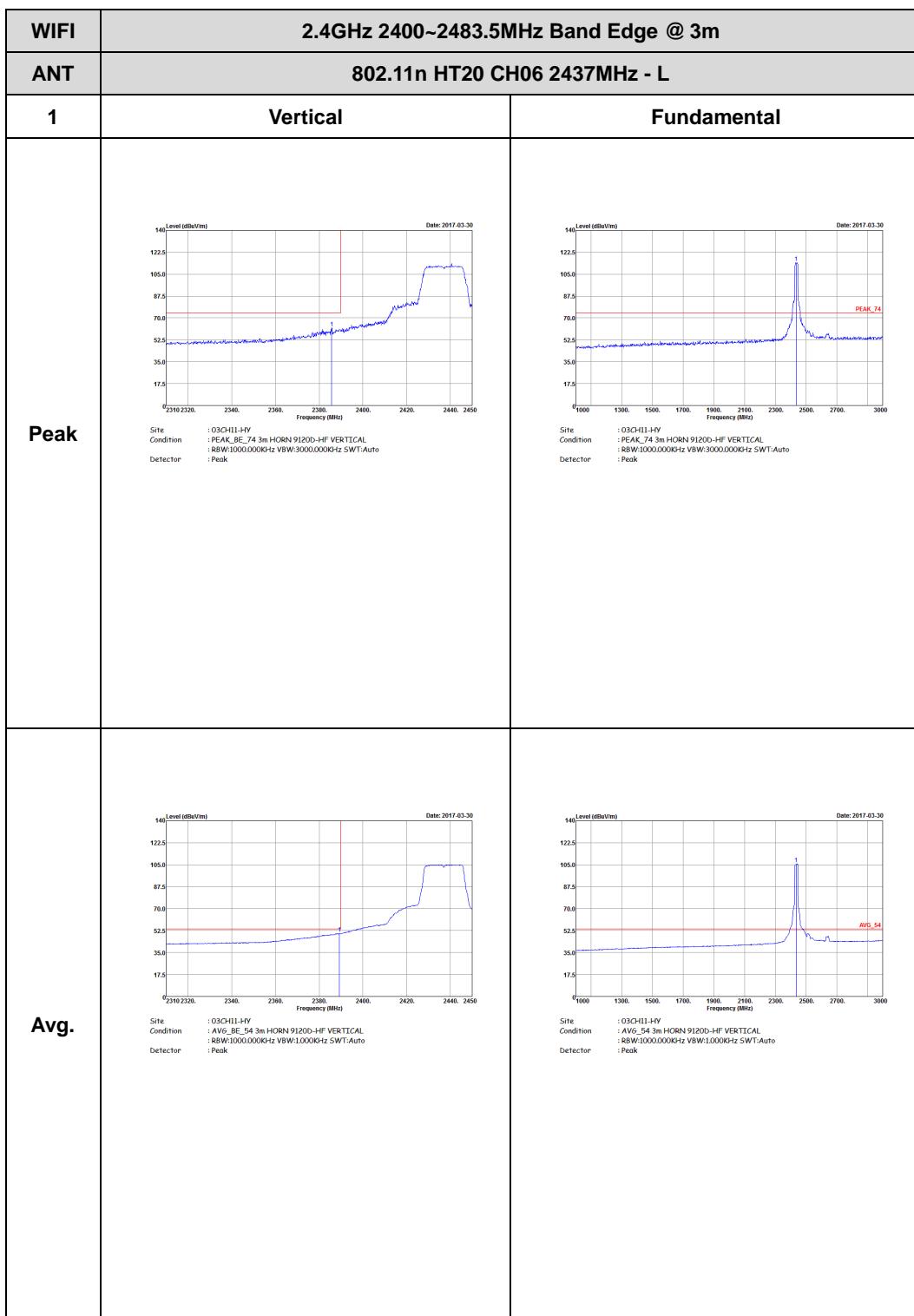






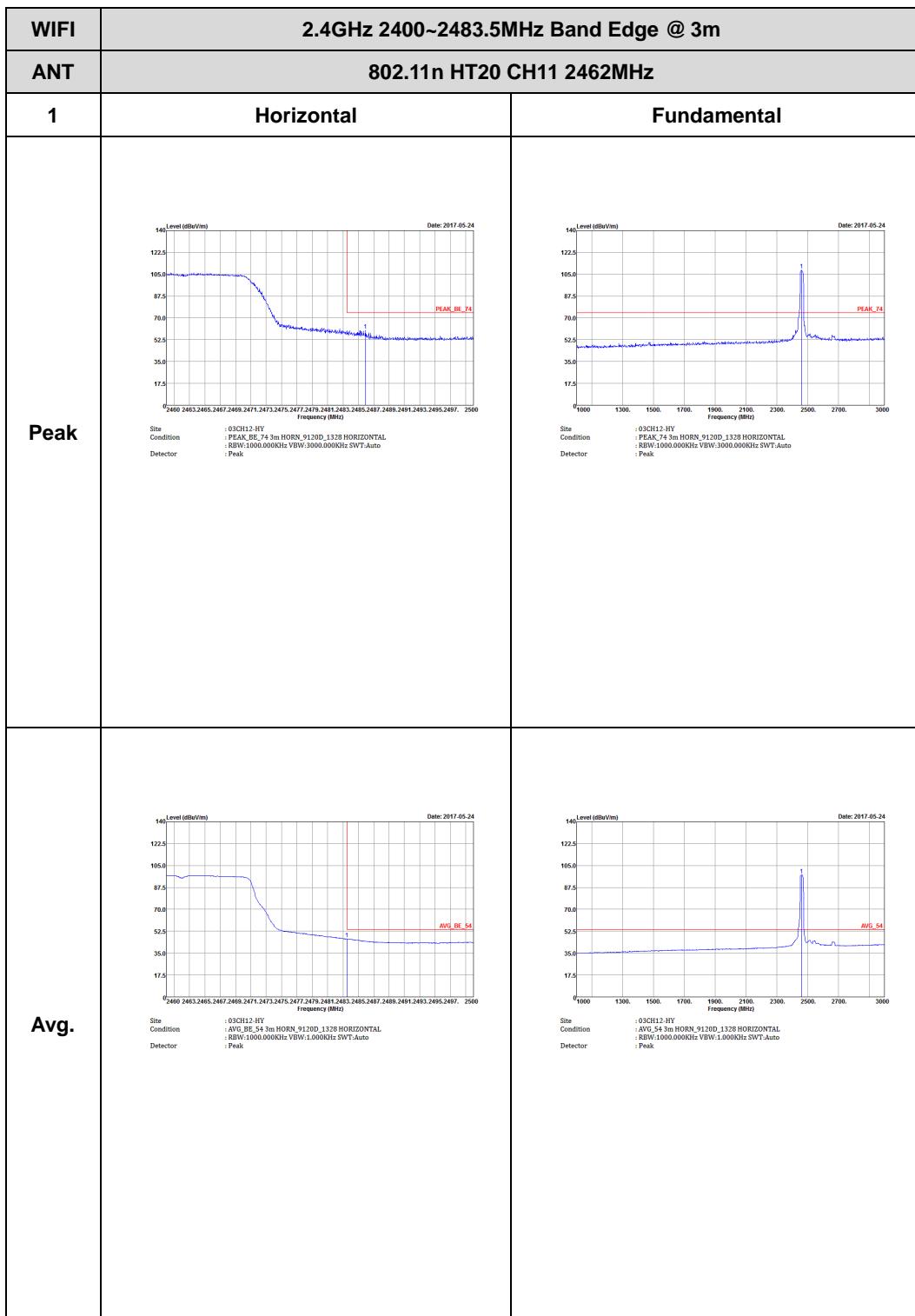


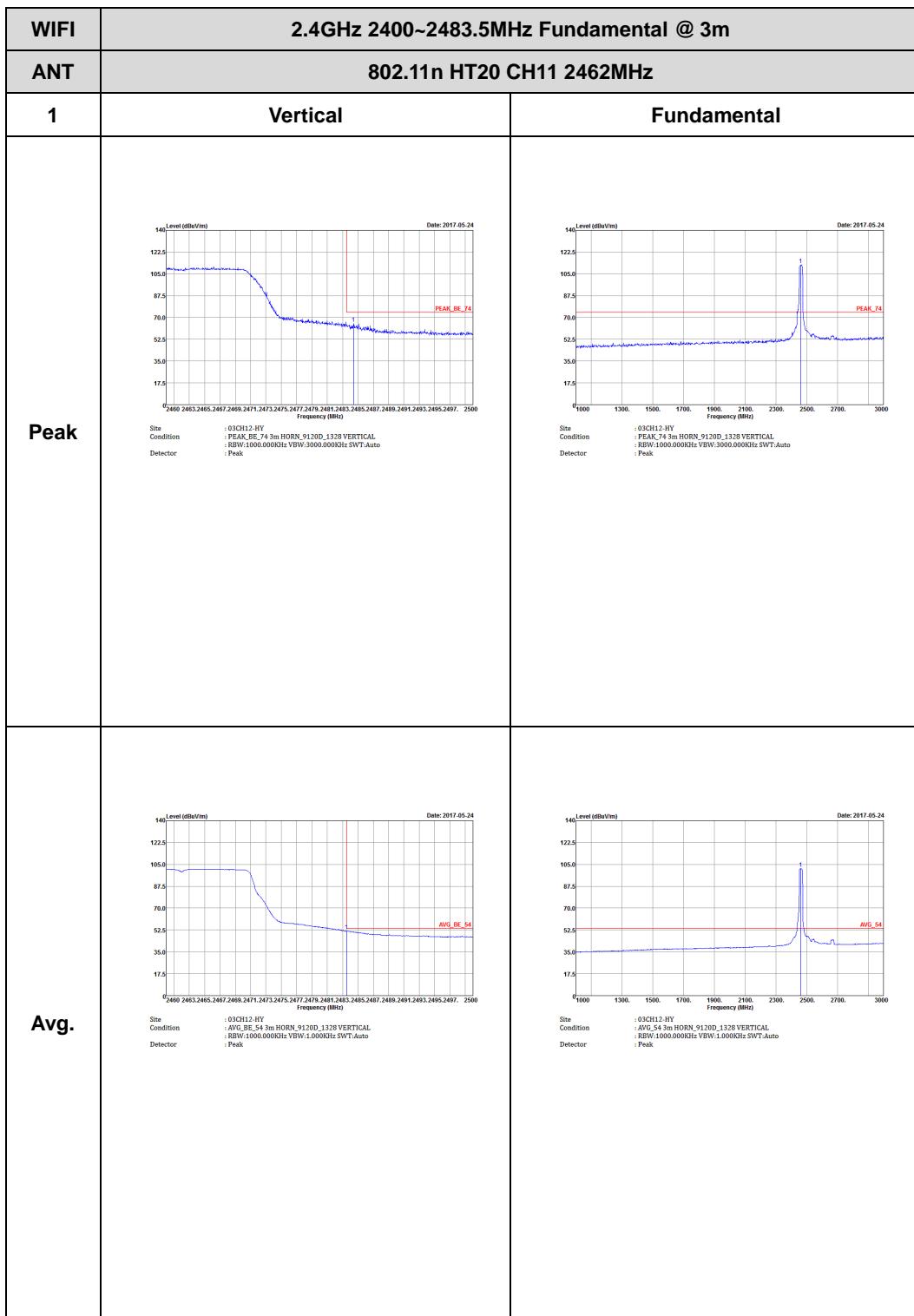
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	<p>A spectrum plot titled "PEAK_BE_74" showing the power level (dBm/m) versus frequency (MHz). The x-axis ranges from 2430 to 2500 MHz, and the y-axis ranges from 17.5 to 140 dBm/m. The signal starts at approximately 105 dBm/m, drops to about 70 dBm/m at 2450 MHz, and then remains relatively flat until 2480 MHz, where it drops sharply to around 55 dBm/m. A red vertical line marks the peak at 2437 MHz.</p> <p>Date: 2017-03-30</p> <p>Site: 03CH11-HY Condition: PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector: R8W:1000.000KHz VBW:3000.000KHz SWT:Auto Detector: Peak</p>	Left blank
Avg.	<p>A spectrum plot titled "AVG_BE_54" showing the power level (dBm/m) versus frequency (MHz). The x-axis ranges from 2430 to 2500 MHz, and the y-axis ranges from 17.5 to 140 dBm/m. The signal starts at approximately 105 dBm/m, drops to about 70 dBm/m at 2450 MHz, and then gradually decreases to about 55 dBm/m at 2480 MHz. A red vertical line marks the average level at 2437 MHz.</p> <p>Date: 2017-03-30</p> <p>Site: 03CH11-HY Condition: AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector: R8W:1000.000KHz VBW:1.000KHz SWT:Auto Detector: Peak</p>	Left blank

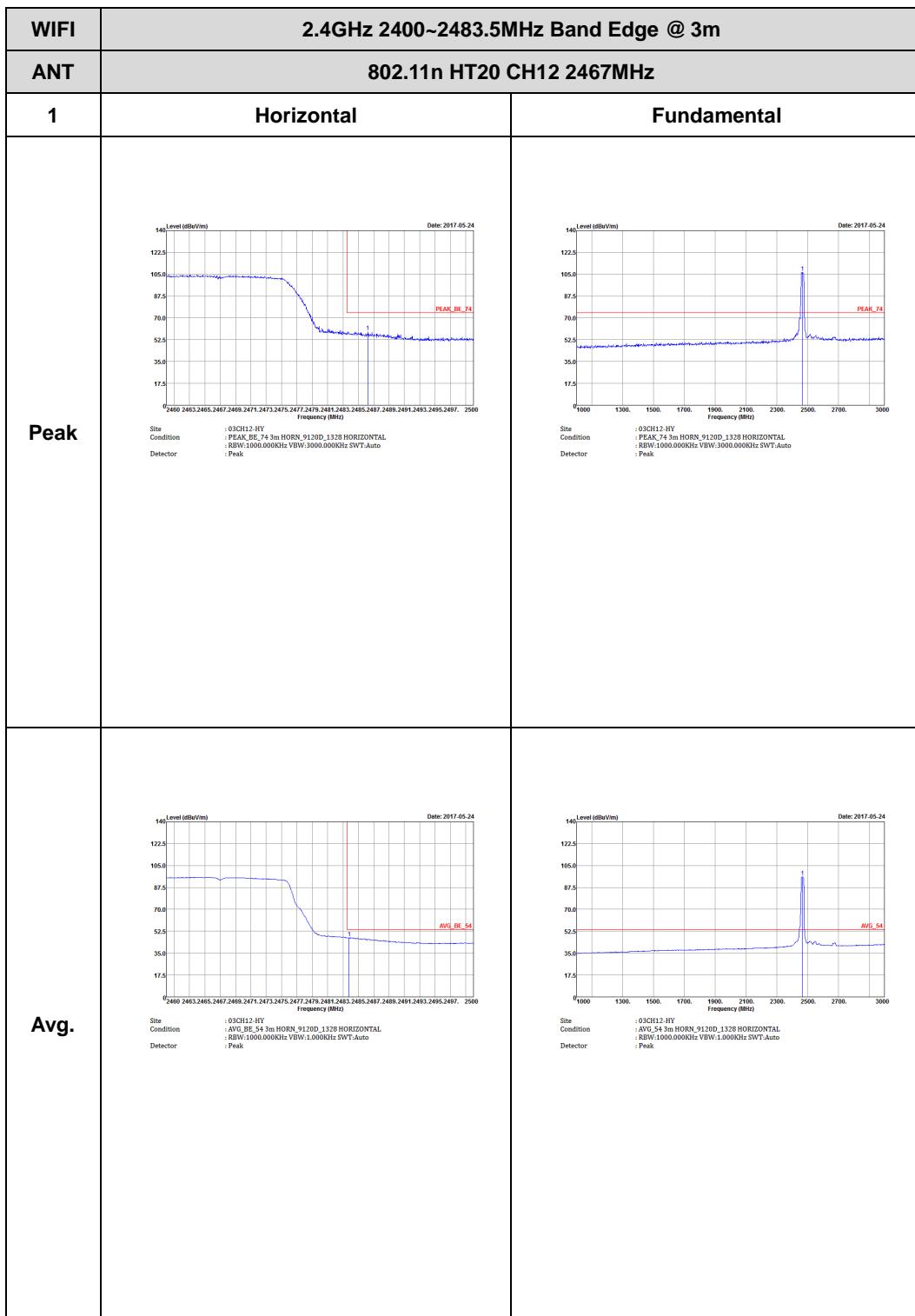


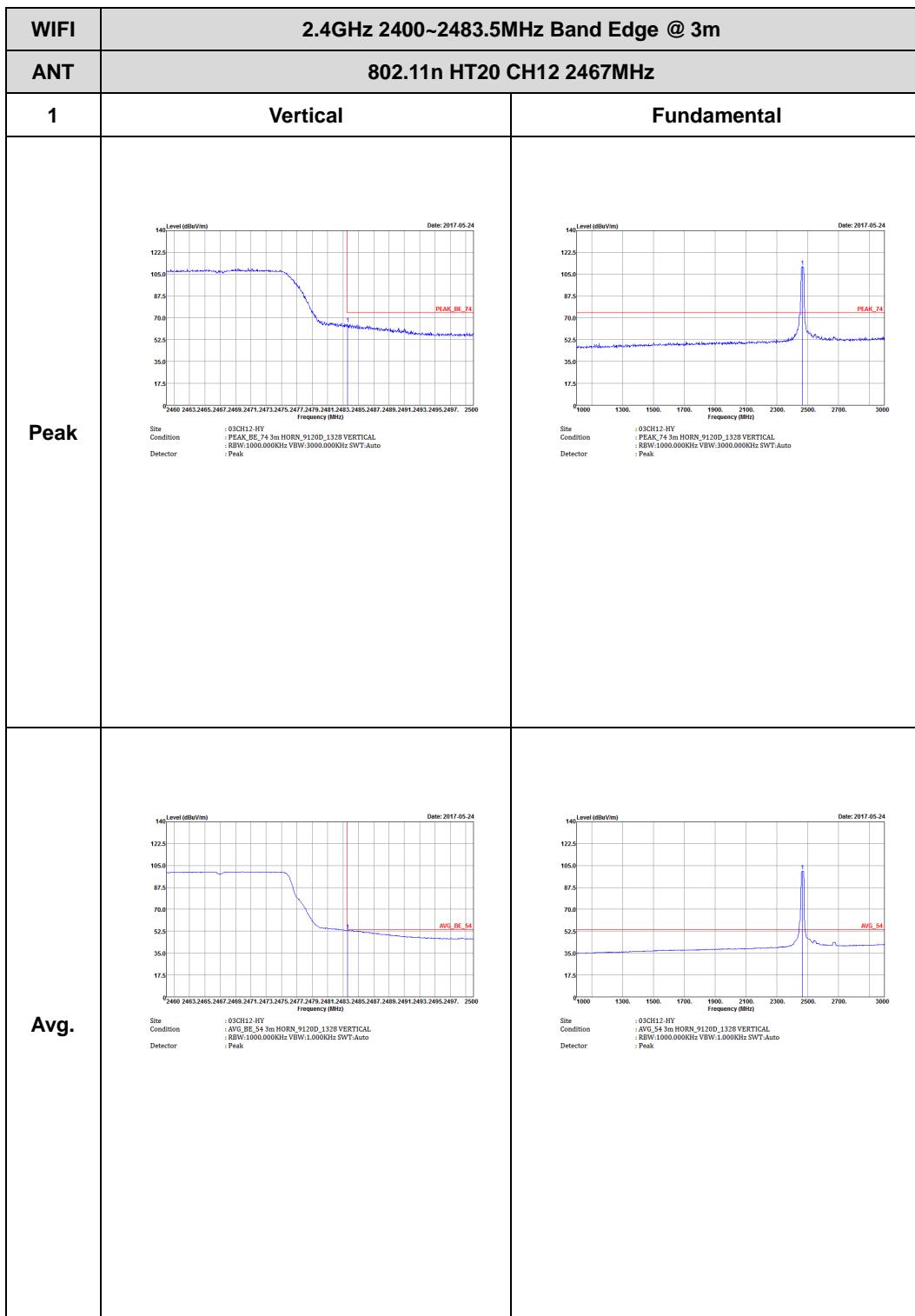


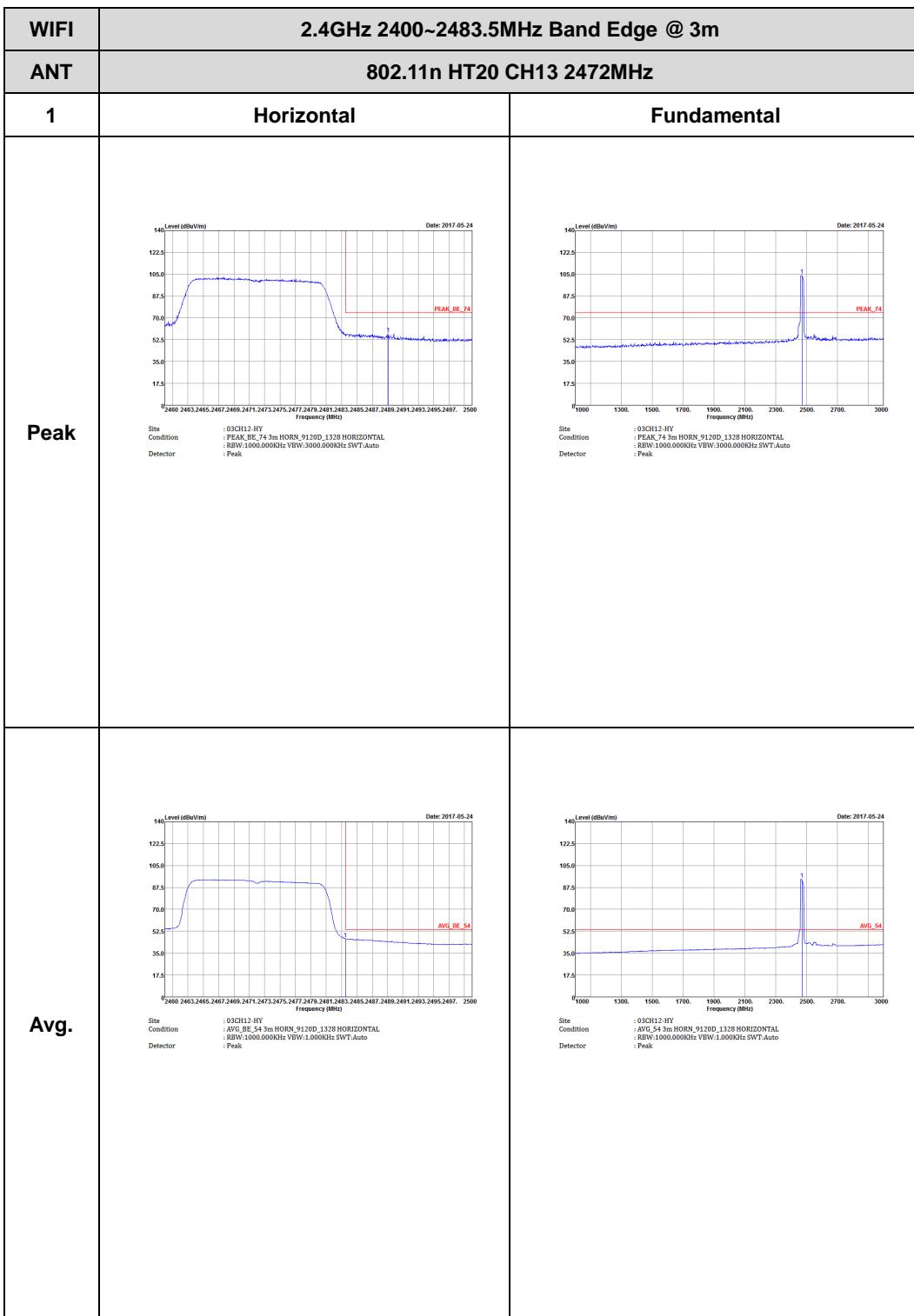
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	<p>Level (dBm/m)</p> <p>Frequency (MHz)</p> <p>Date: 2017-03-30</p> <p>PEAK_BE_74</p> <p>Site: 03CH11-HY Condition: PEAK_BE_74 3m HORN 91200-HF VERTICAL Detector: R8W:1000.000KHz VBW:3000.000KHz SWT:Auto Detector: Peak</p>	Left Blank
Avg.	<p>Level (dBm/m)</p> <p>Frequency (MHz)</p> <p>Date: 2017-03-30</p> <p>AVG_BE_54</p> <p>Site: 03CH11-HY Condition: AVG_BE_54 3m HORN 91200-HF VERTICAL Detector: R8W:1000.000KHz VBW:1.000KHz SWT:Auto Detector: Peak</p>	Left Blank



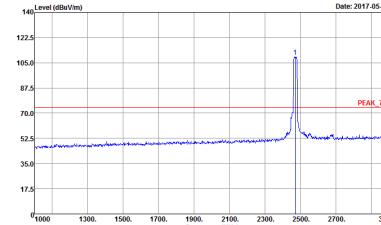
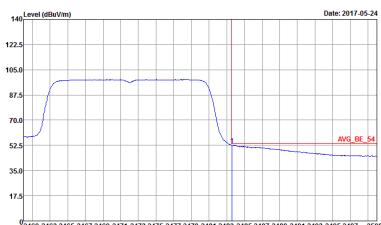
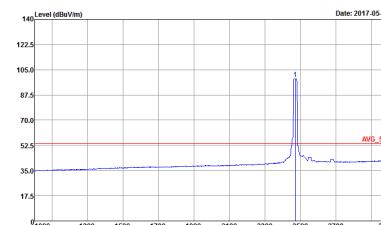








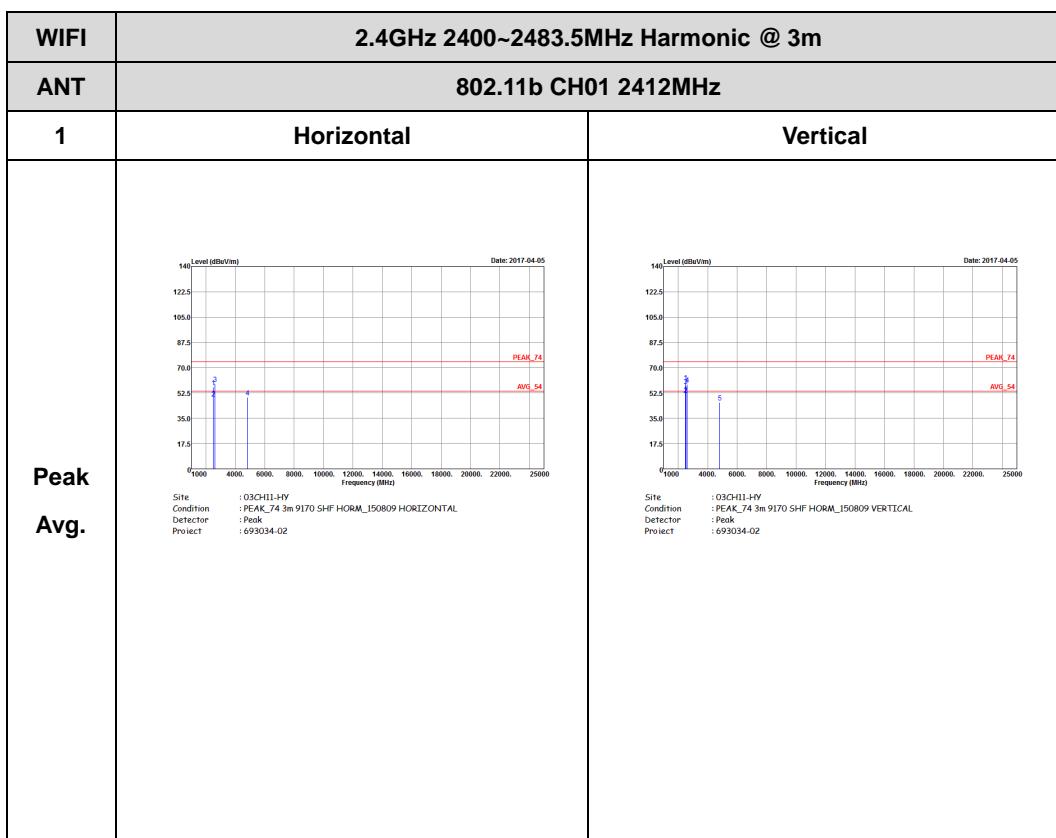


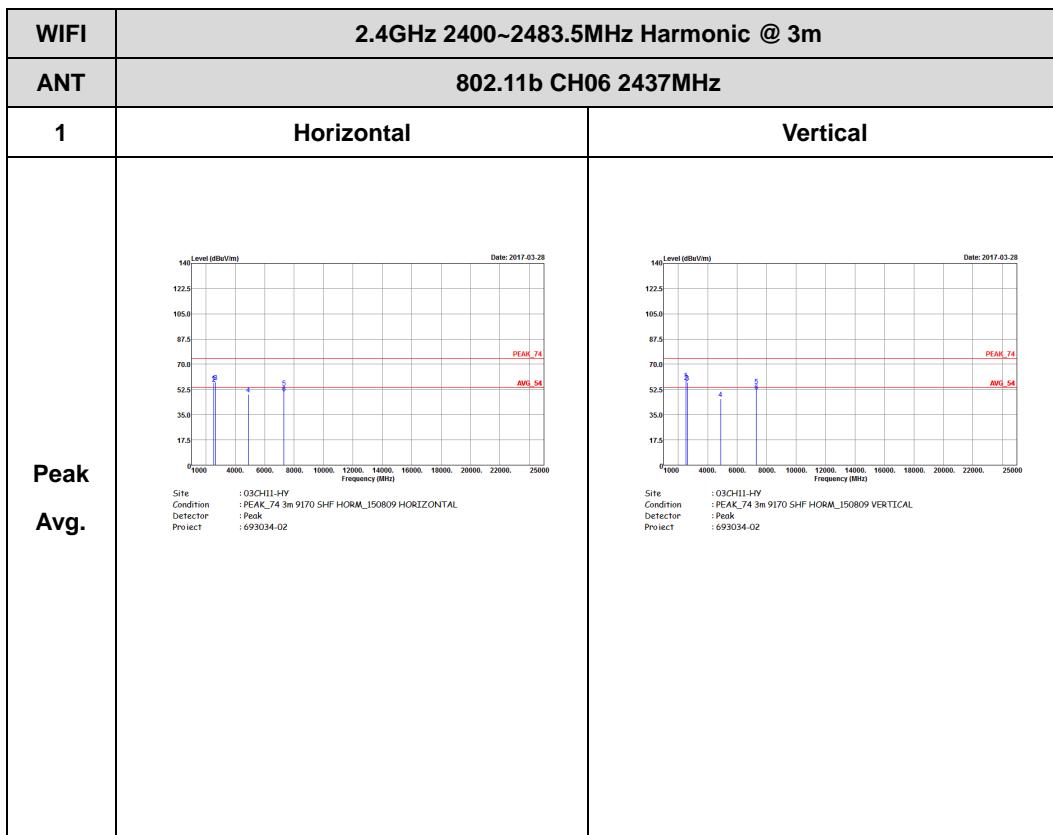
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak</p>	 <p>Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 VERTICAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak</p>

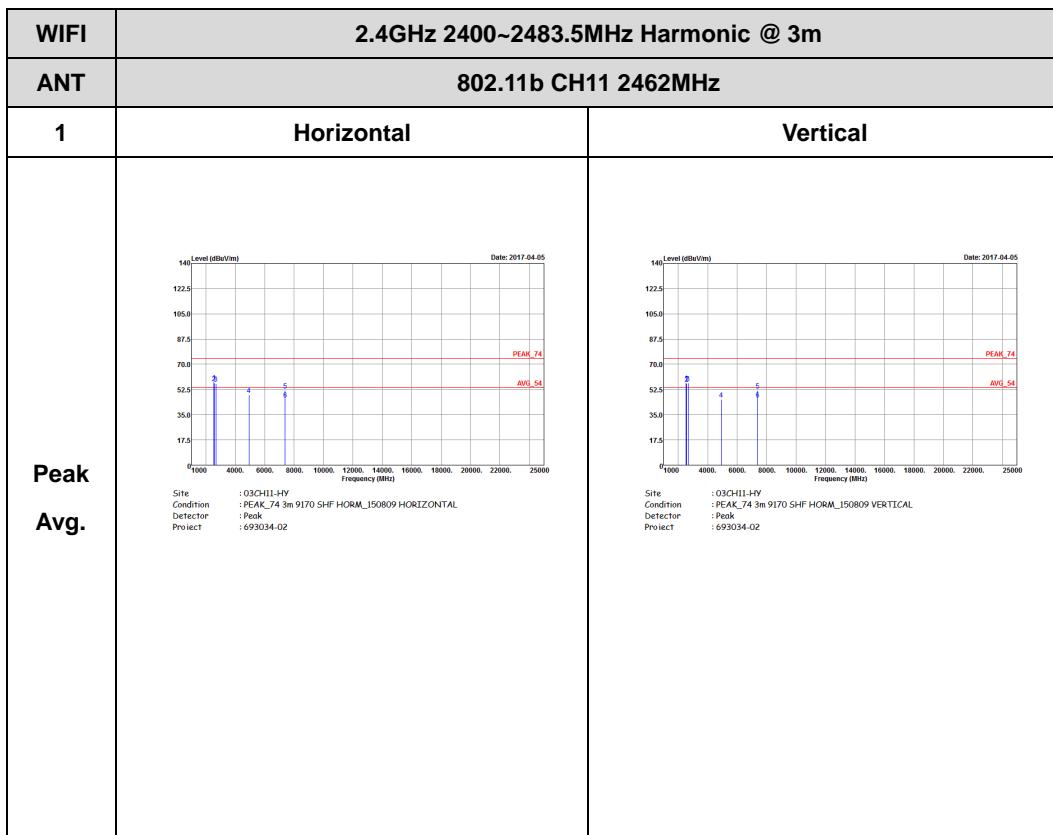


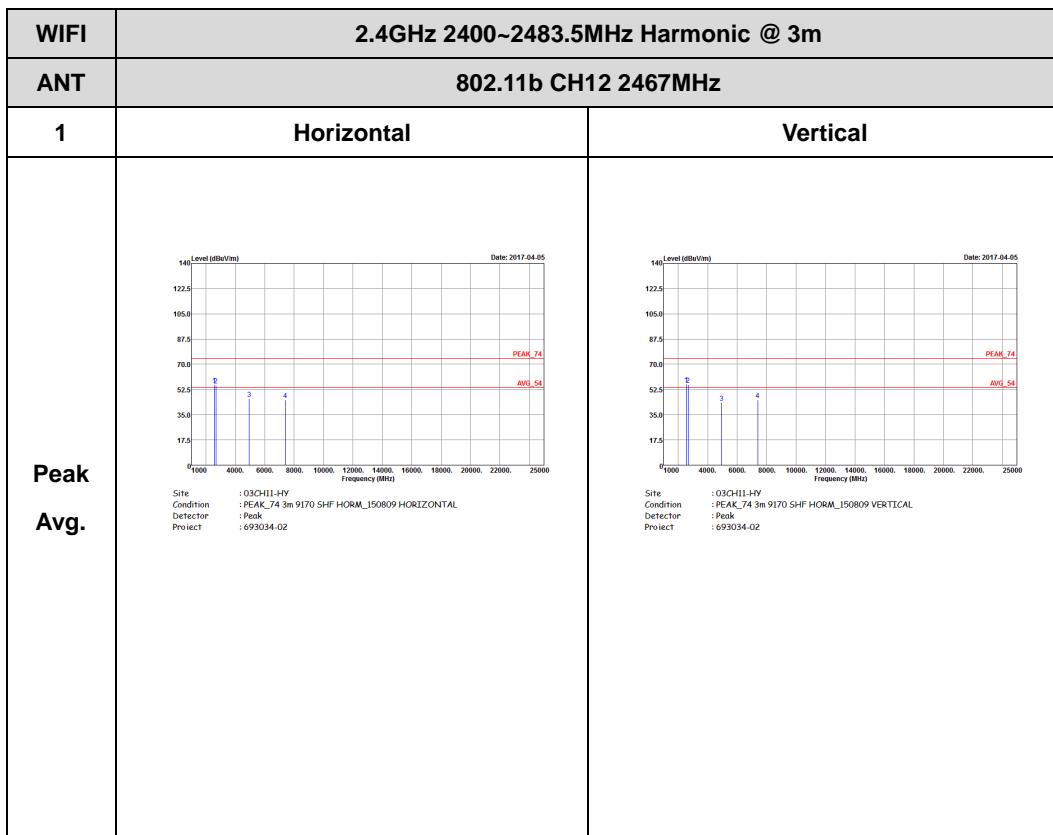
2.4GHz 2400~2483.5MHz

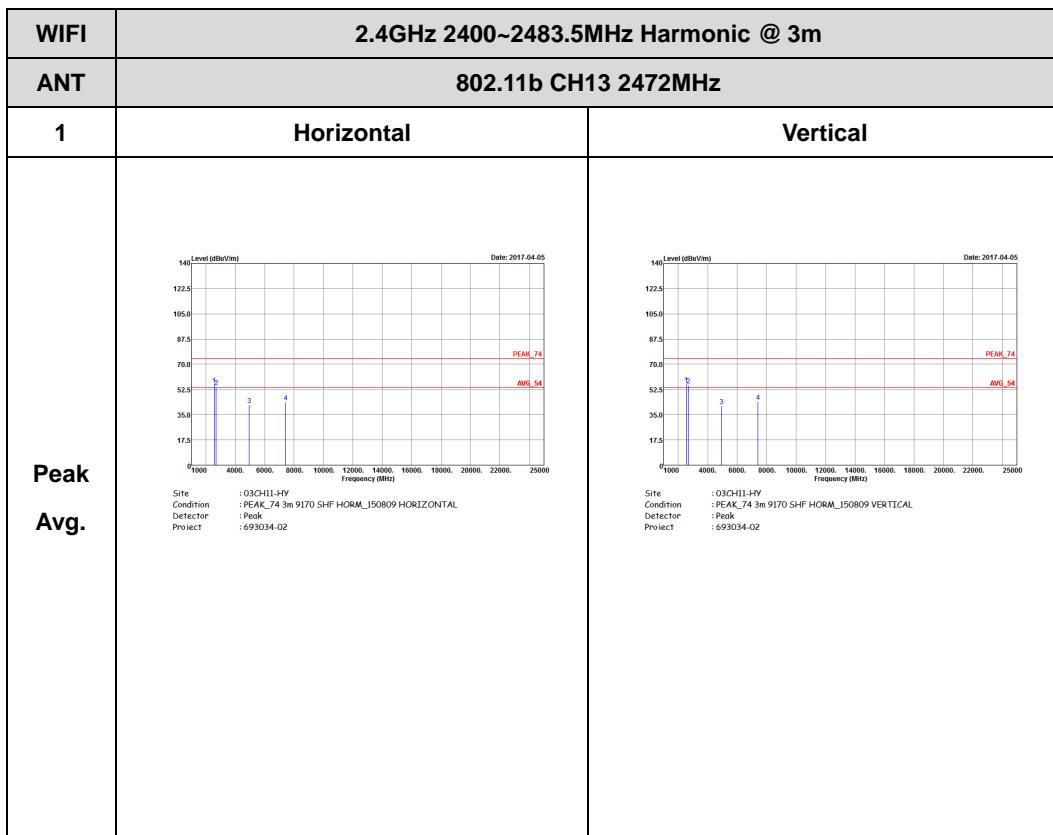
WIFI 802.11b (Harmonic @ 3m)







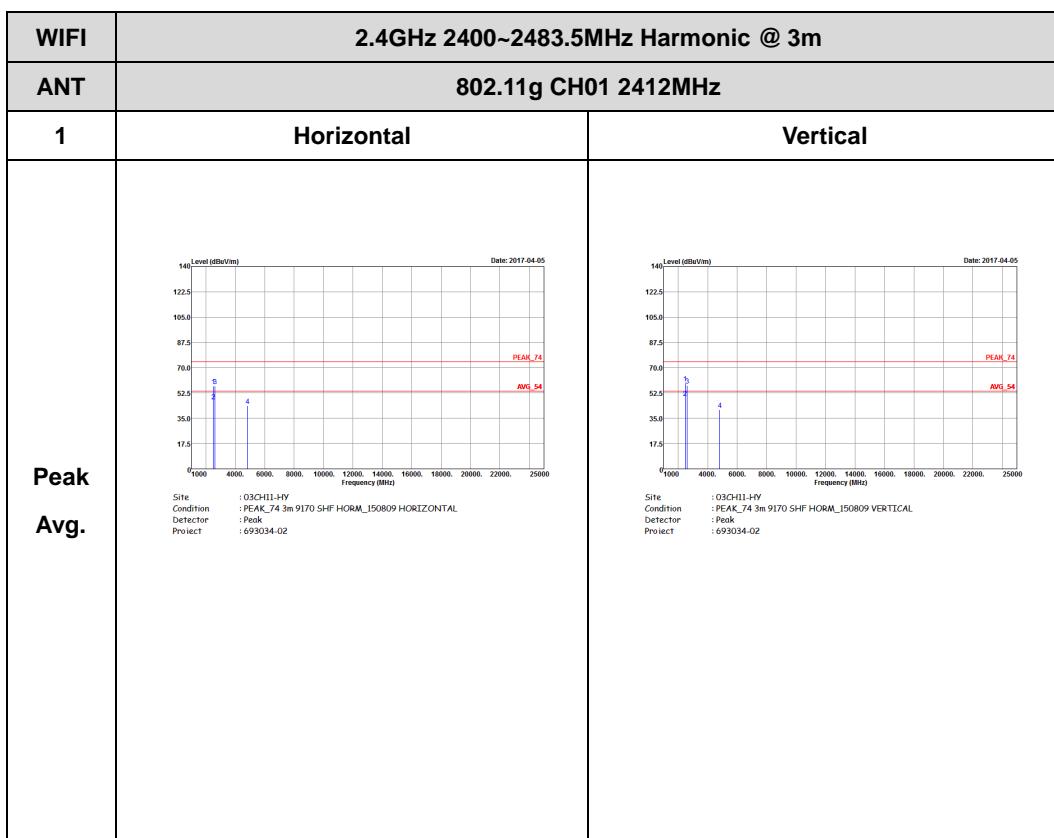


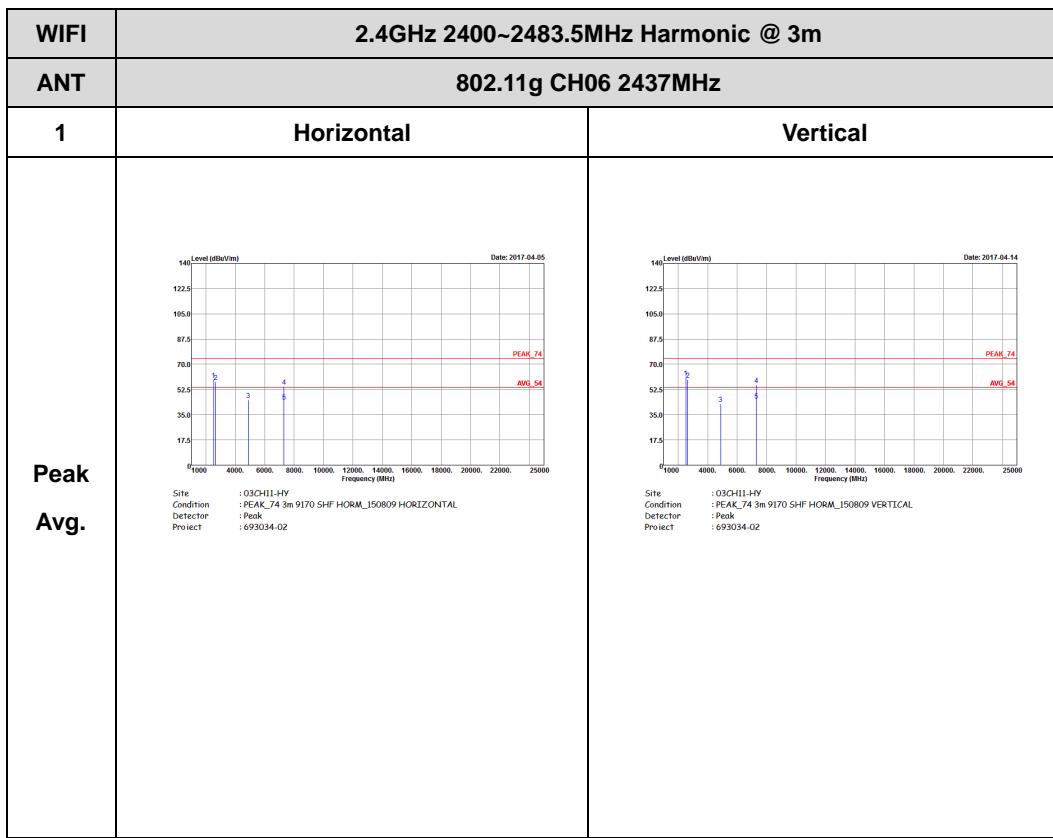


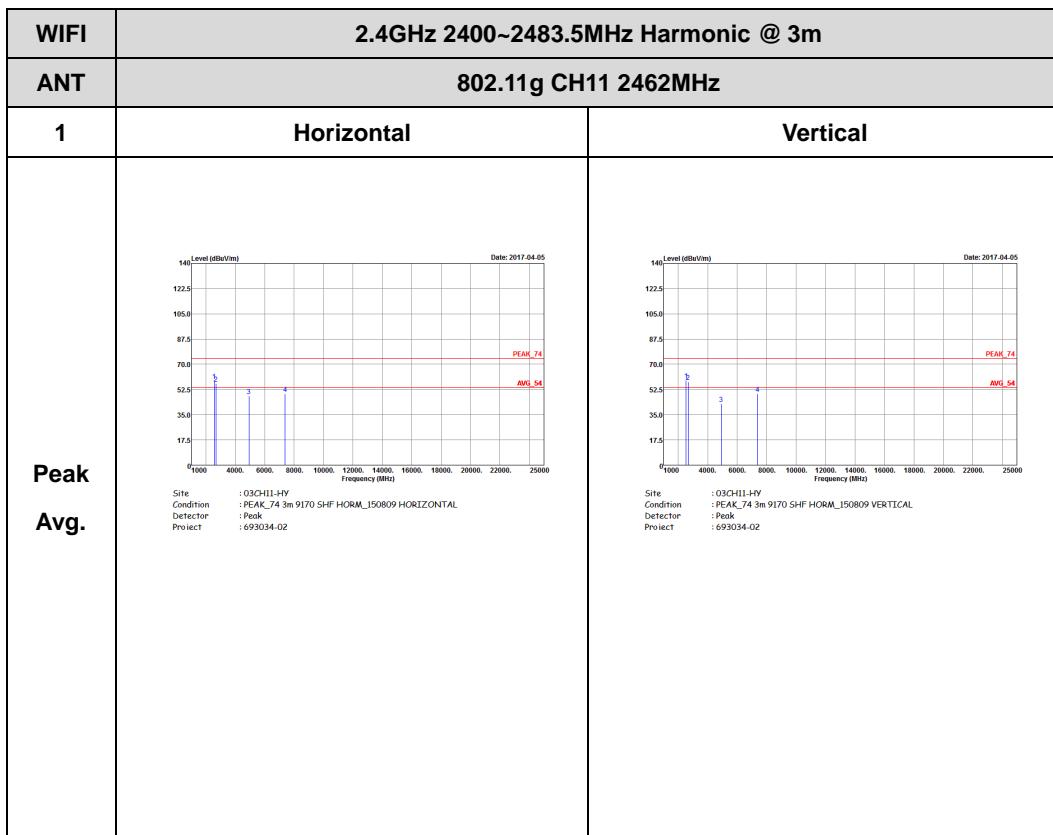


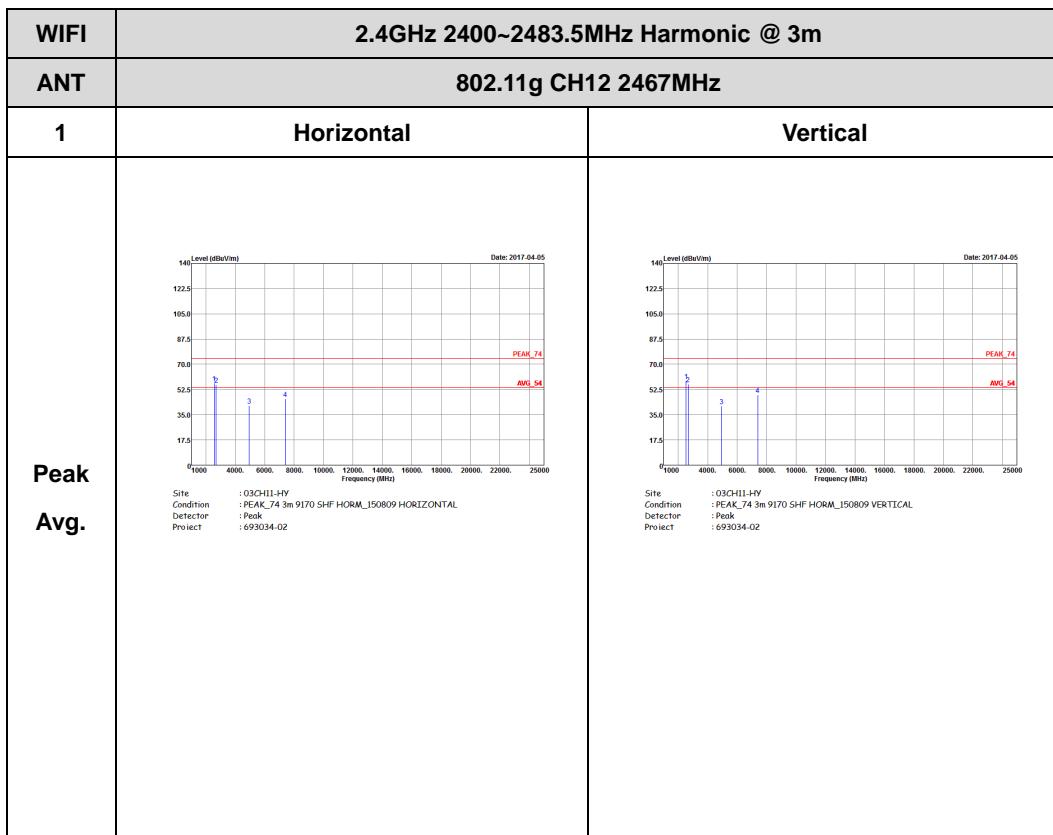
2.4GHz 2400~2483.5MHz

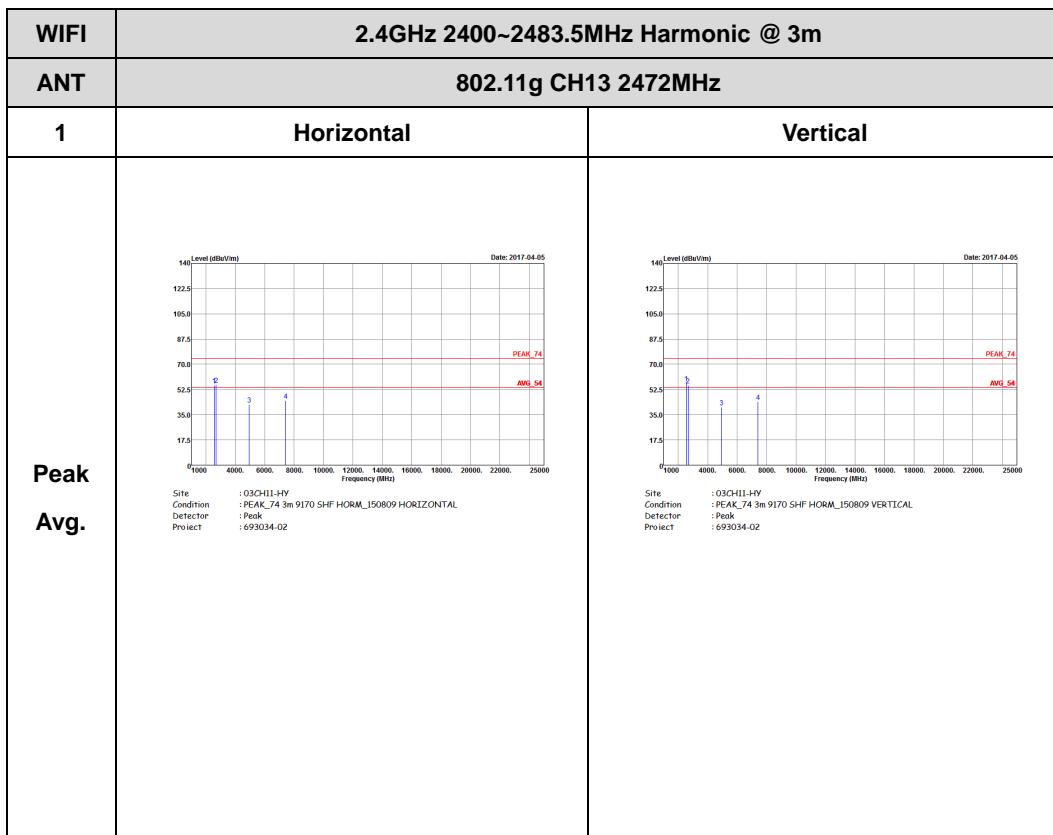
WIFI 802.11g (Harmonic @ 3m)







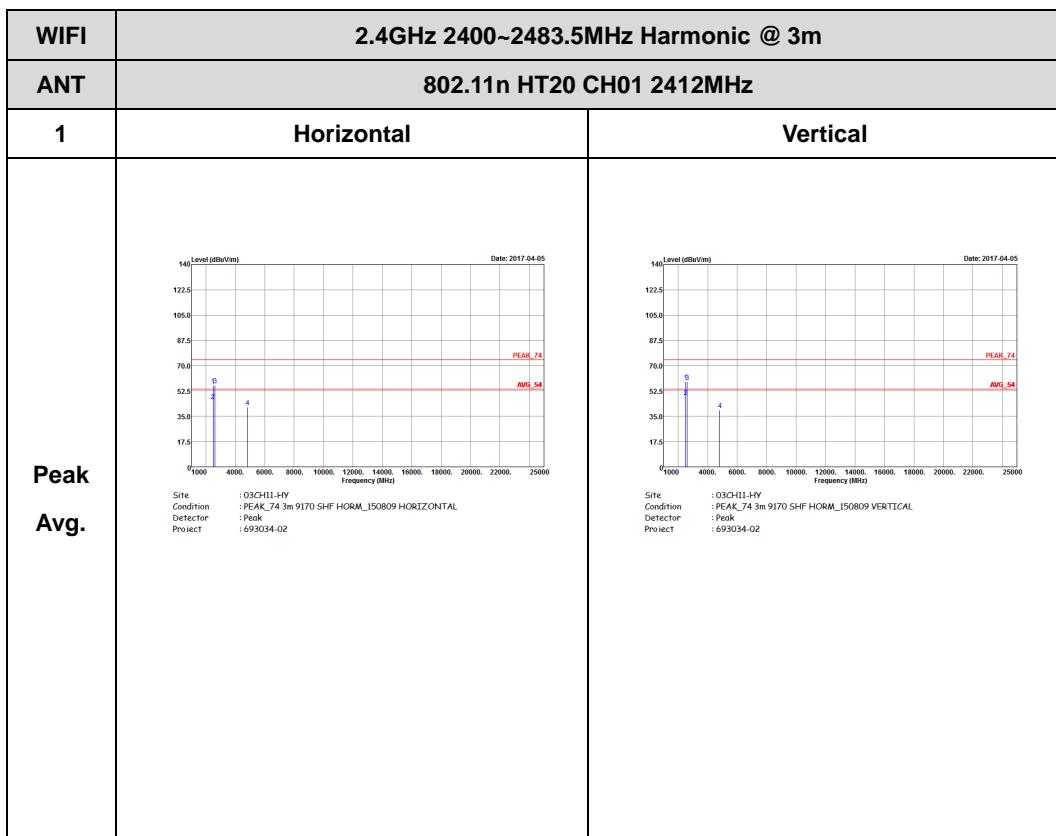


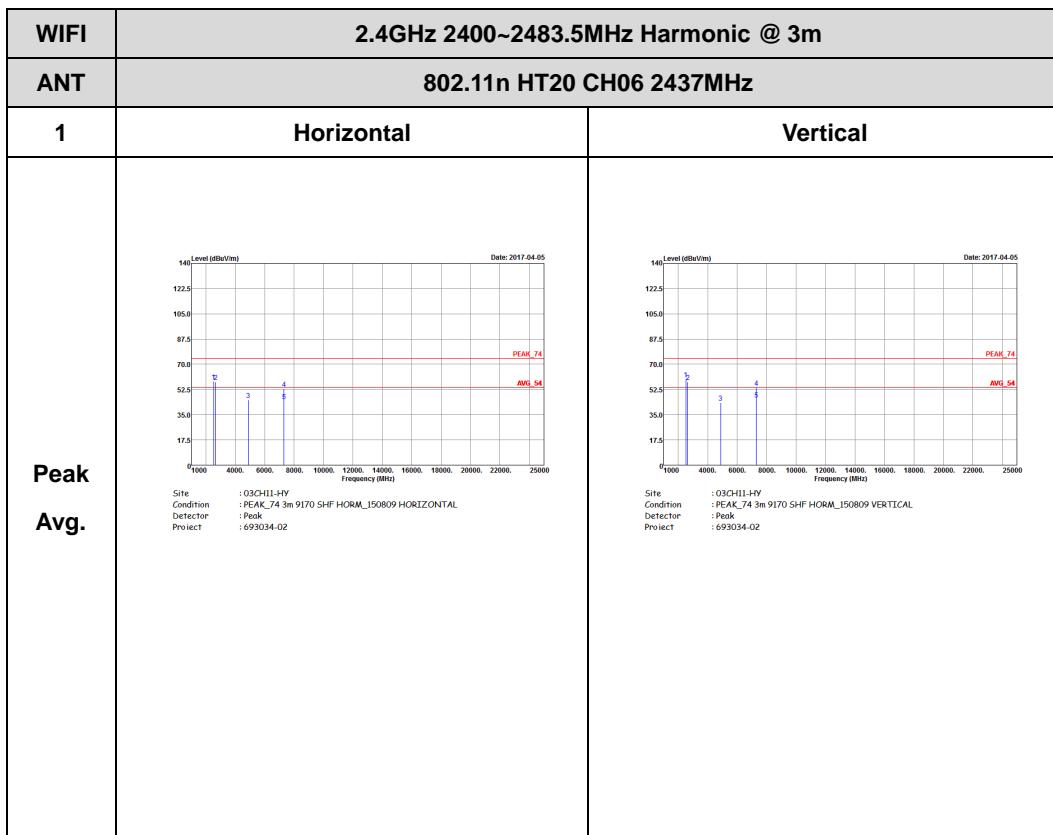


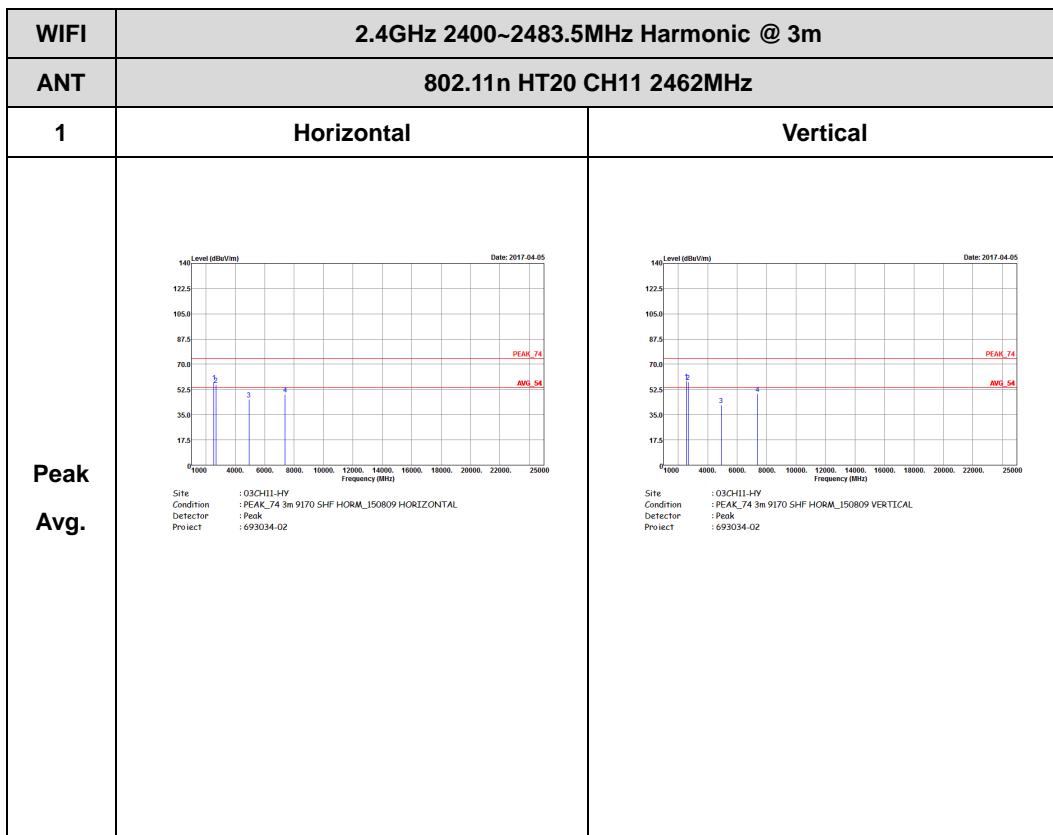


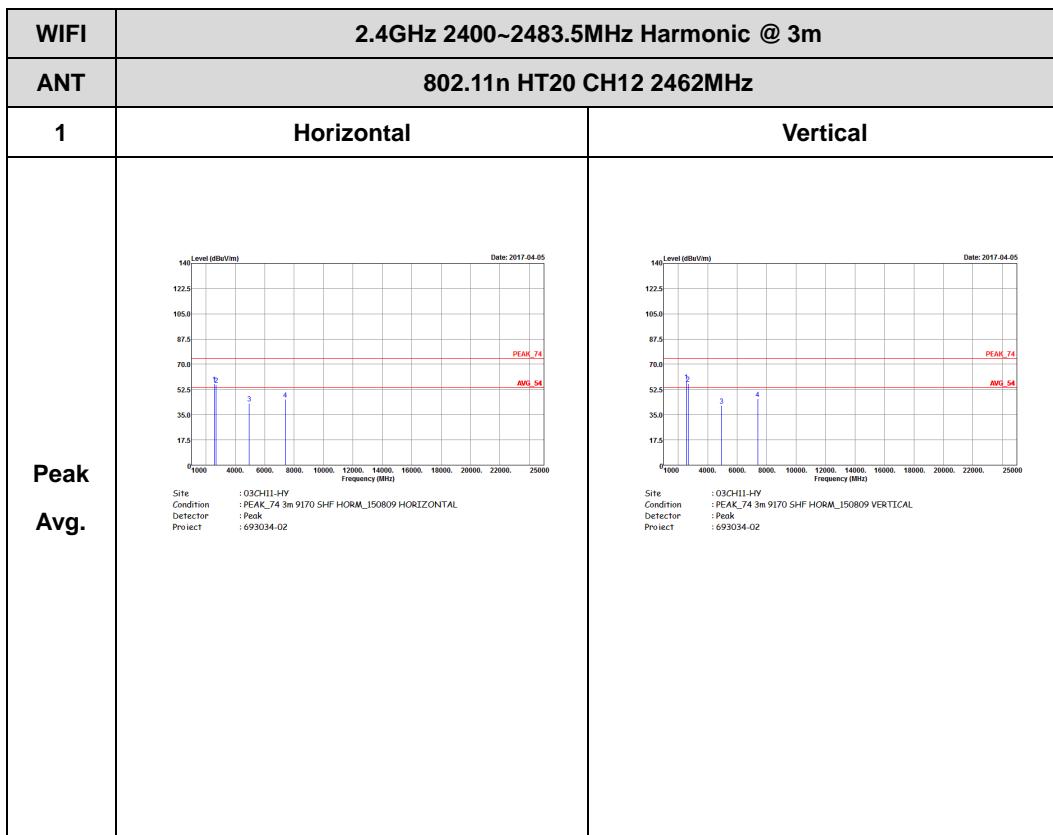
2.4GHz 2400~2483.5MHz

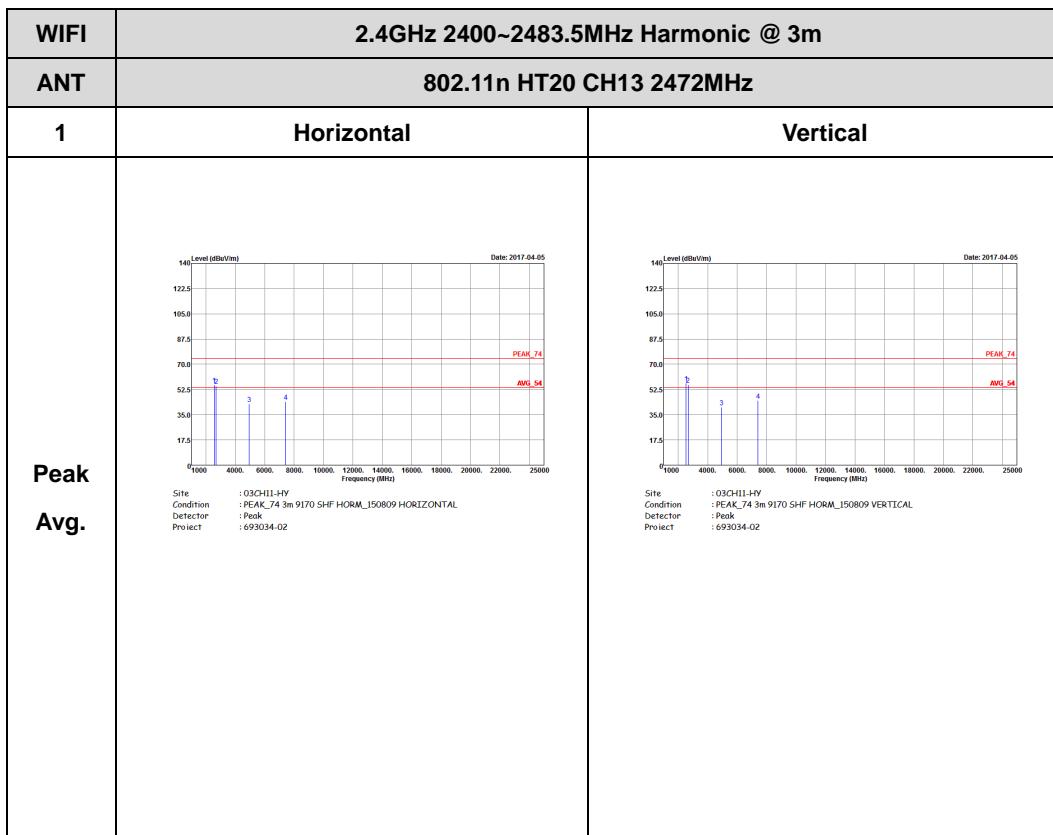
WIFI 802.11n HT20 (Harmonic @ 3m)







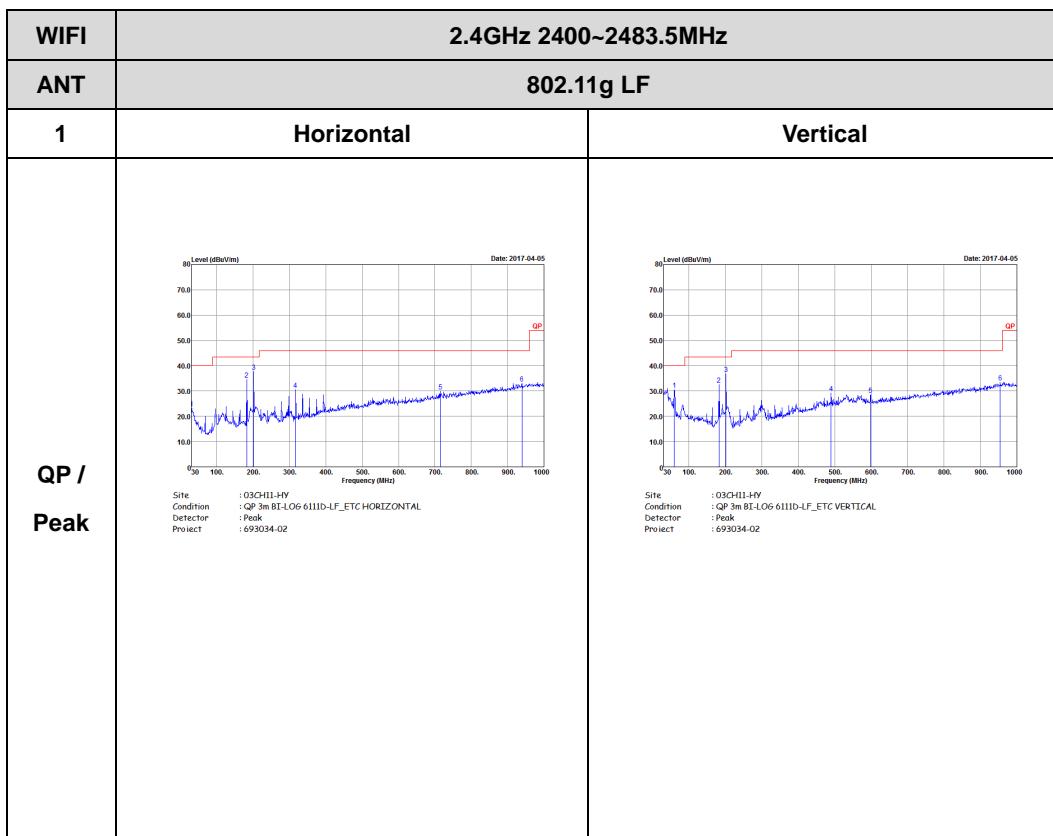






Emission below 1GHz

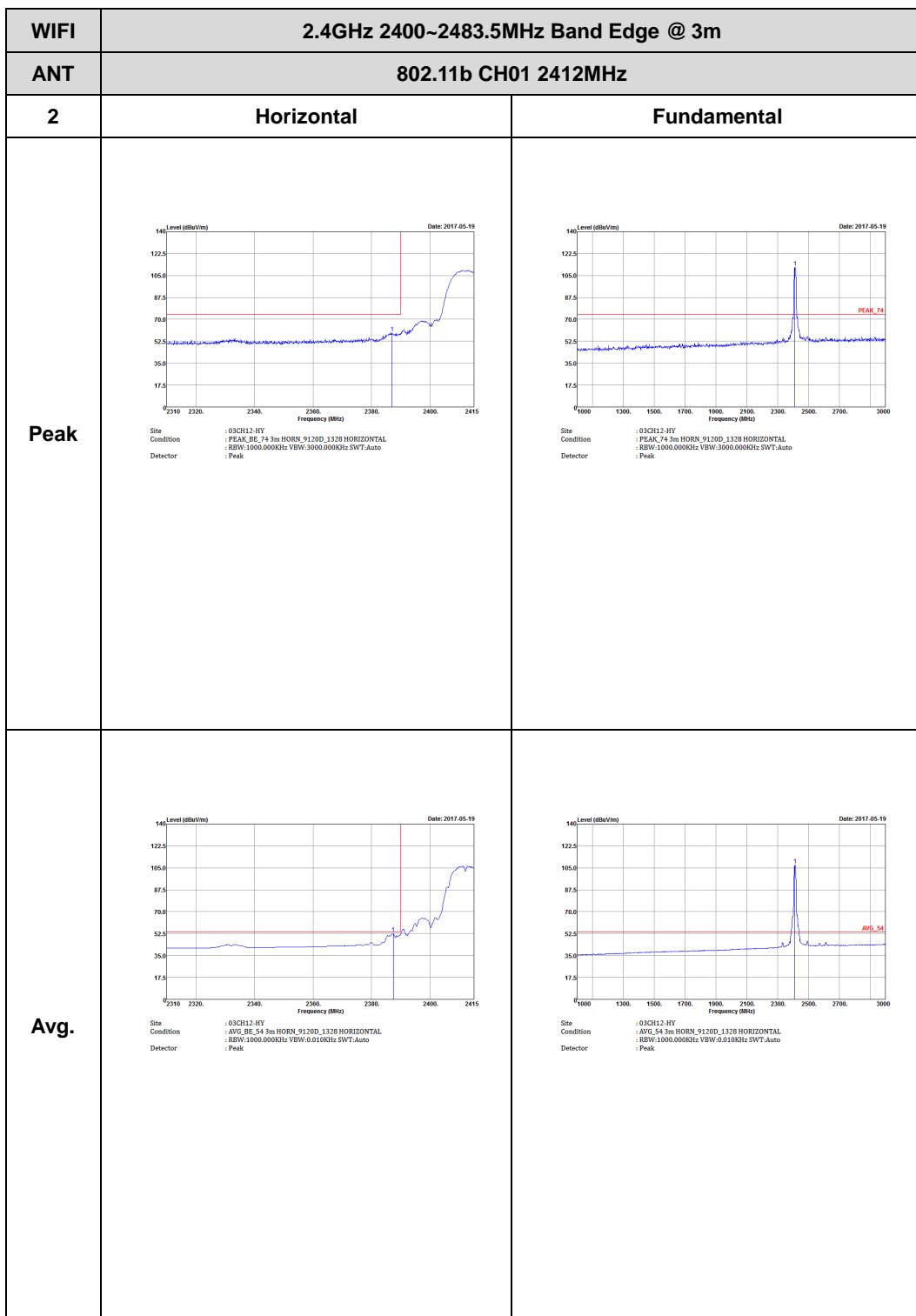
2.4GHz WIFI 802.11g (LF)

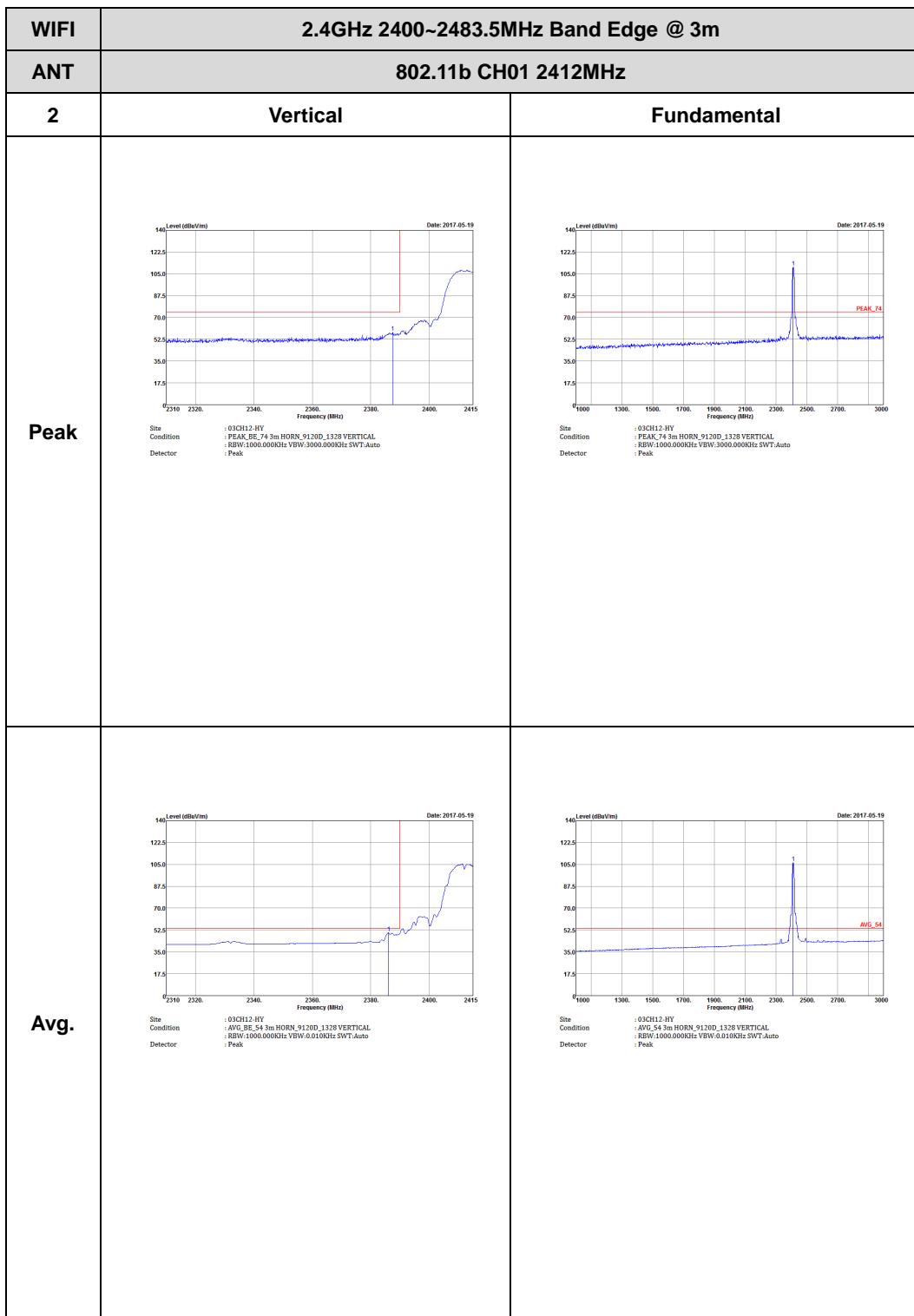


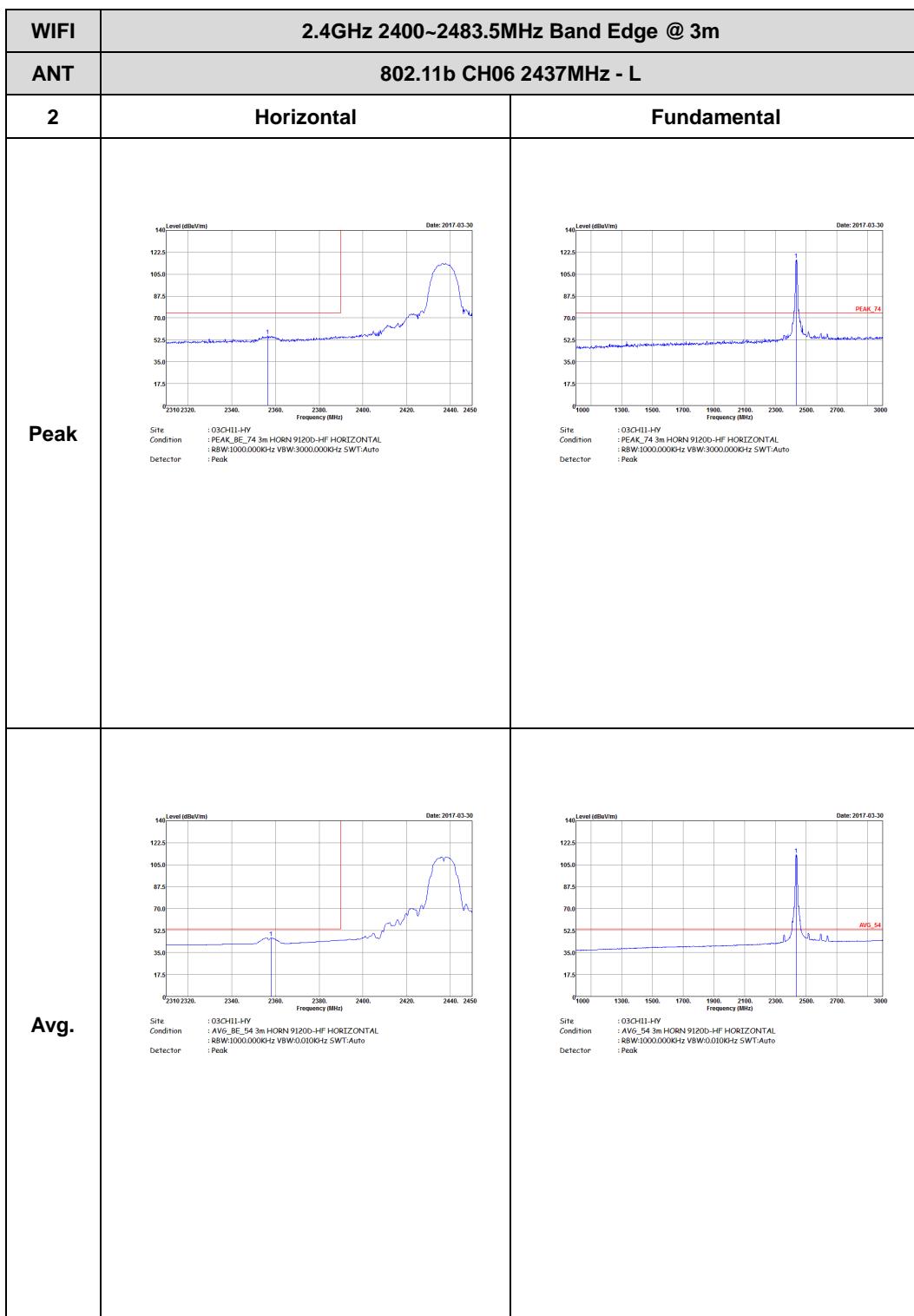


2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

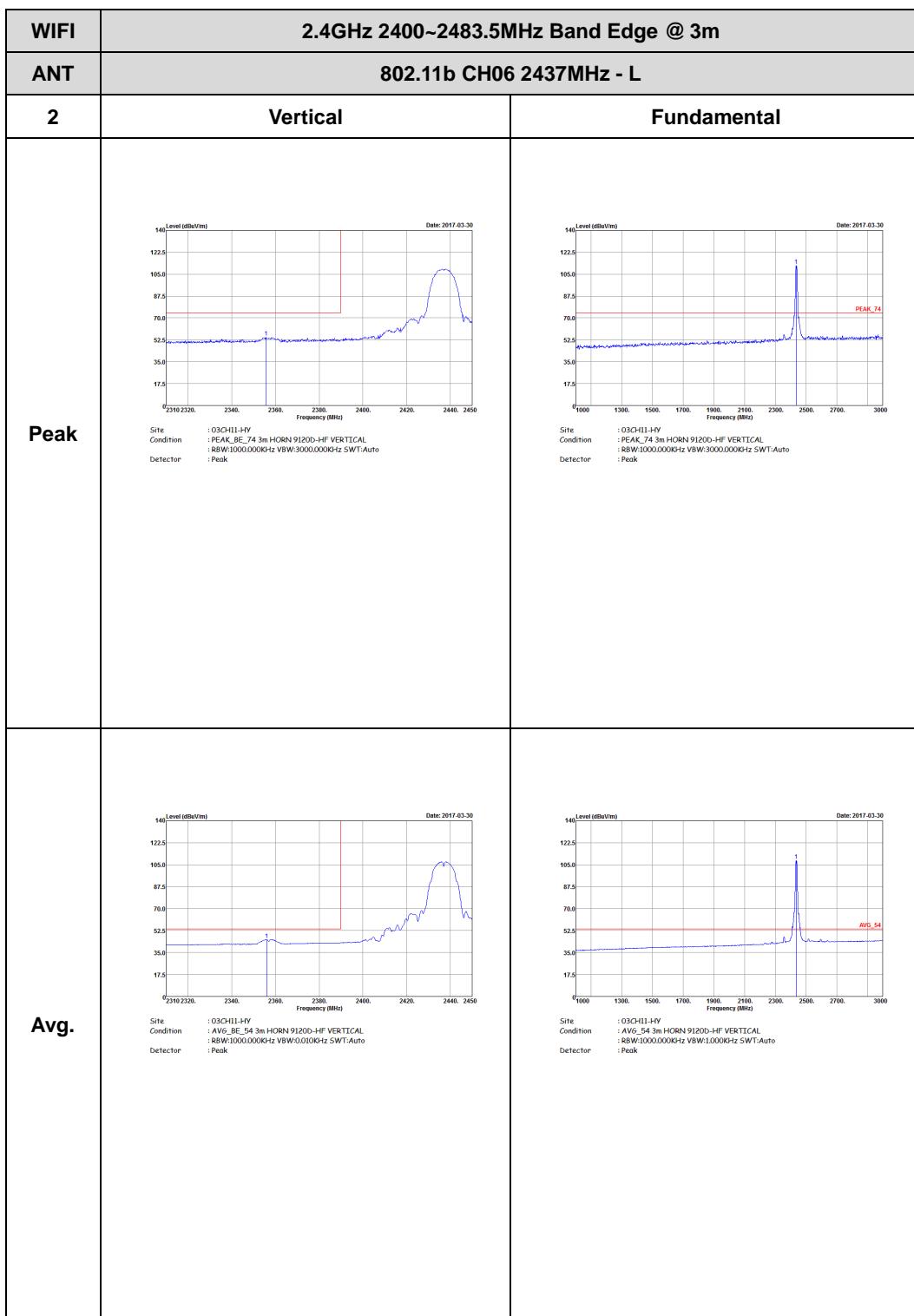




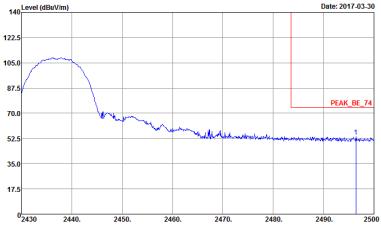


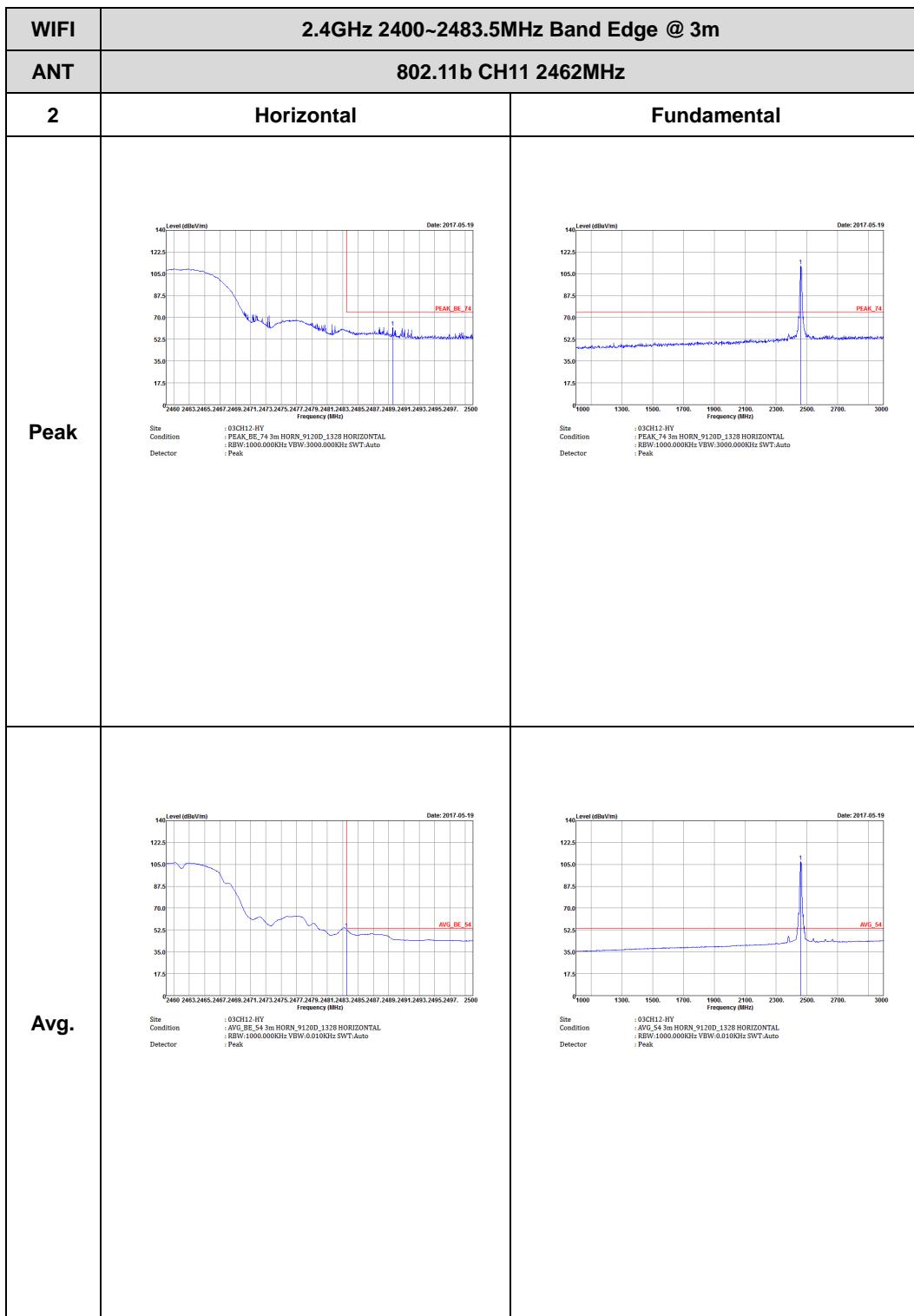


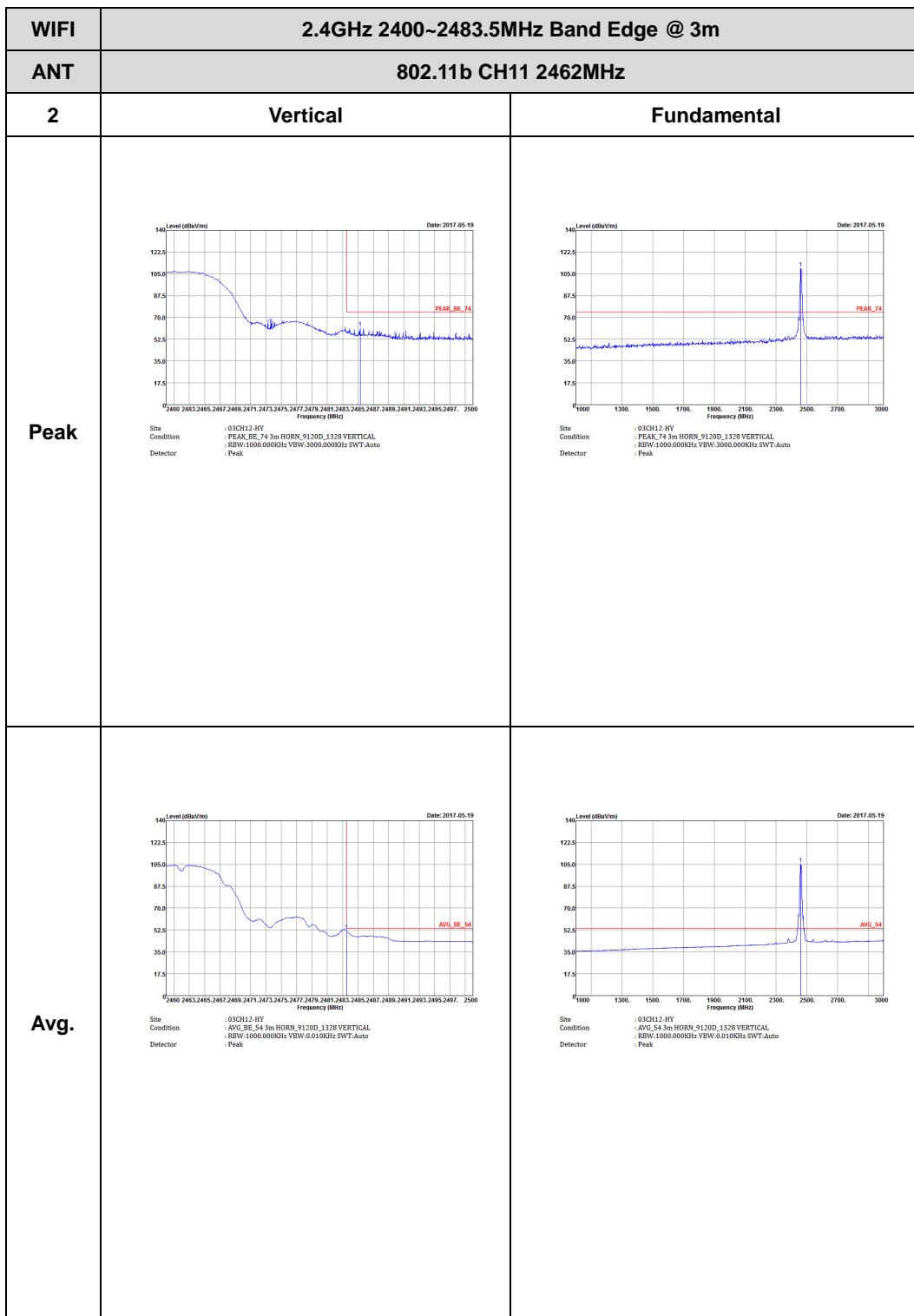
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
2	Horizontal	Fundamental
Peak	 <p>Level (dBuV/m)</p> <p>Date: 2017-03-30</p> <p>Site: 03CH11-HY Condition: PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector: R8W:1000.0000Hz VBW:3000.0000Hz SWT:Auto :Peak</p>	Left blank
Avg.	 <p>Level (dBuV/m)</p> <p>Date: 2017-03-30</p> <p>Site: 03CH11-HY Condition: AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector: R8W:1000.0000Hz VBW:0.0100Hz SWT:Auto :Peak</p>	Left blank

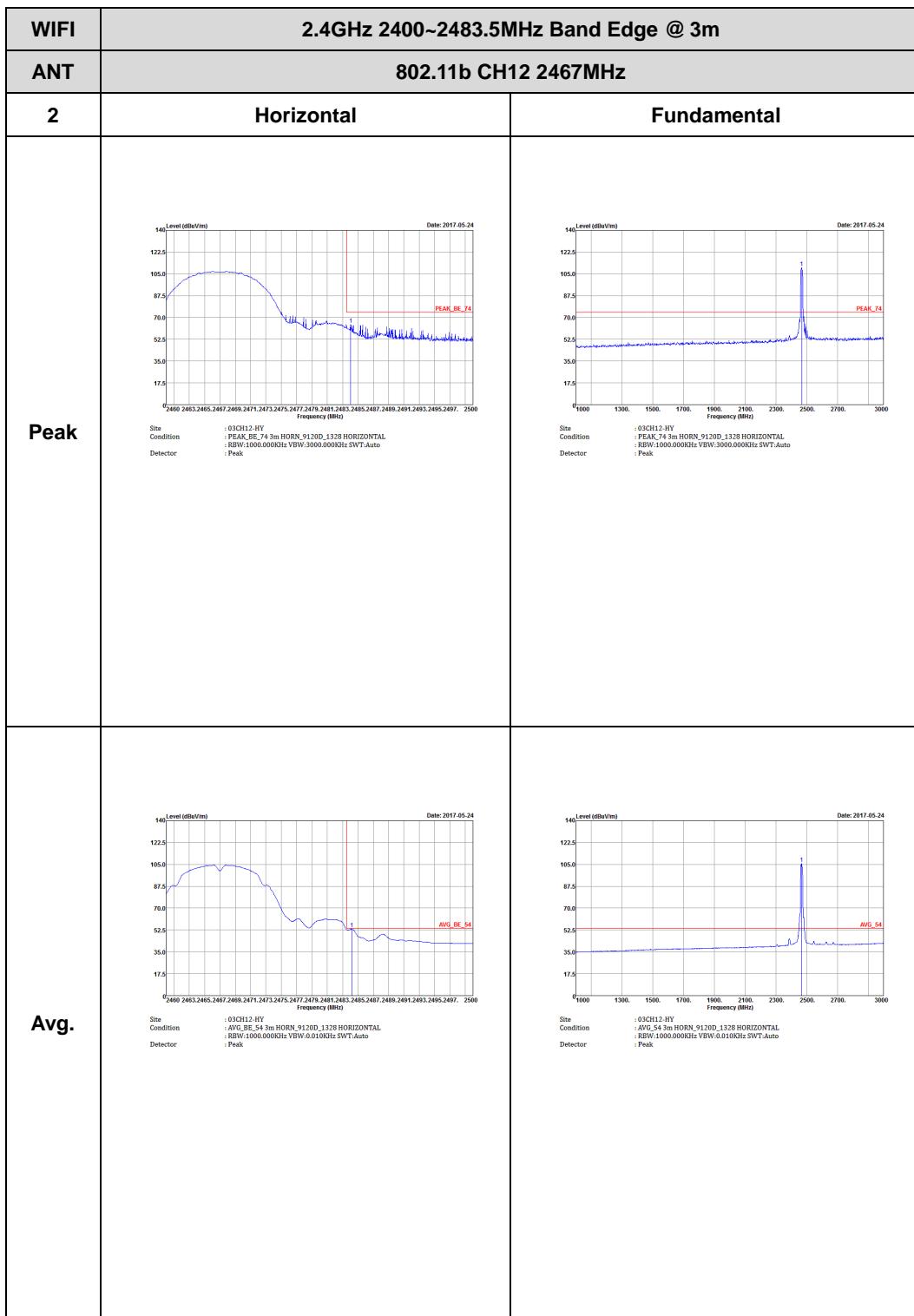


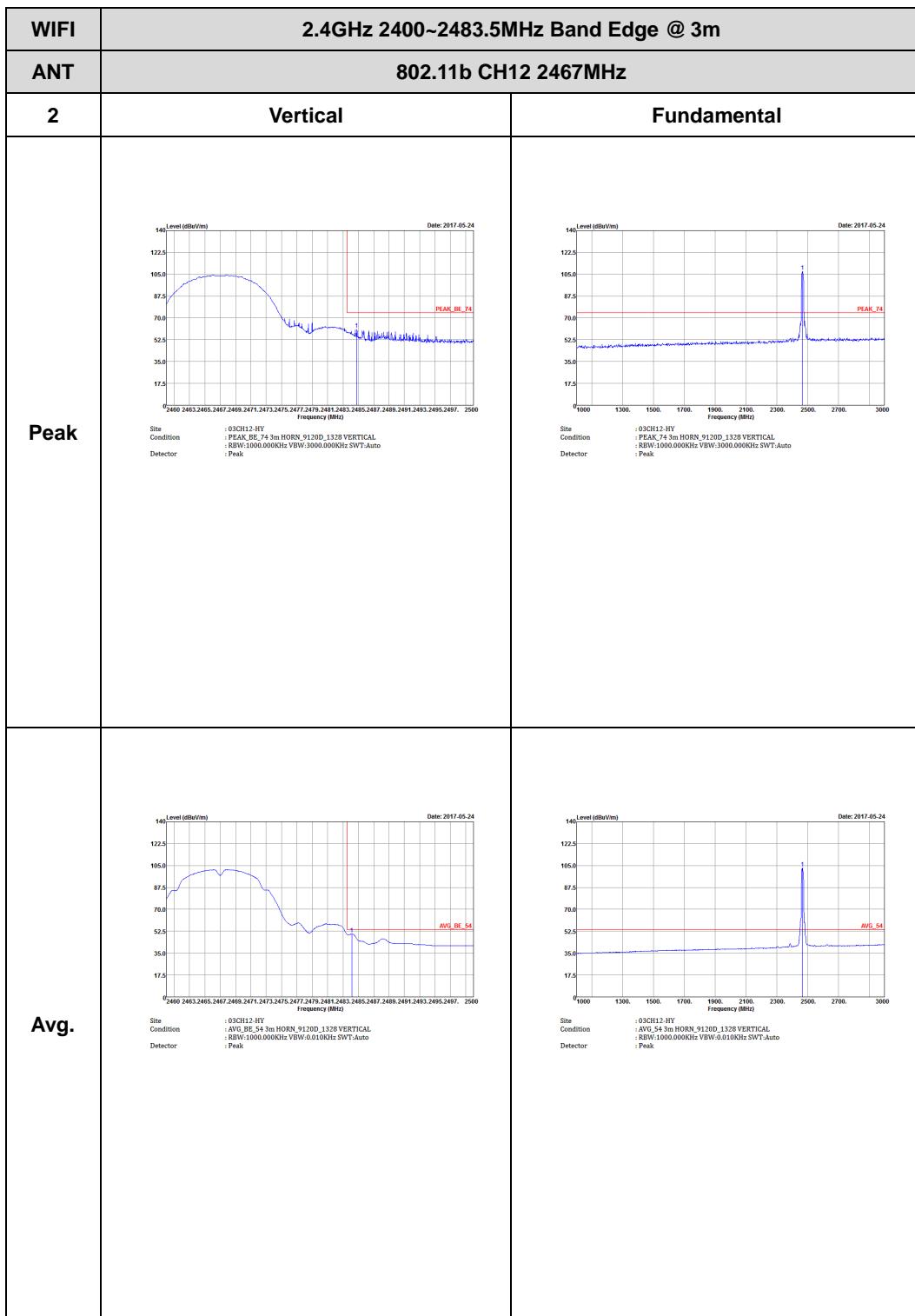


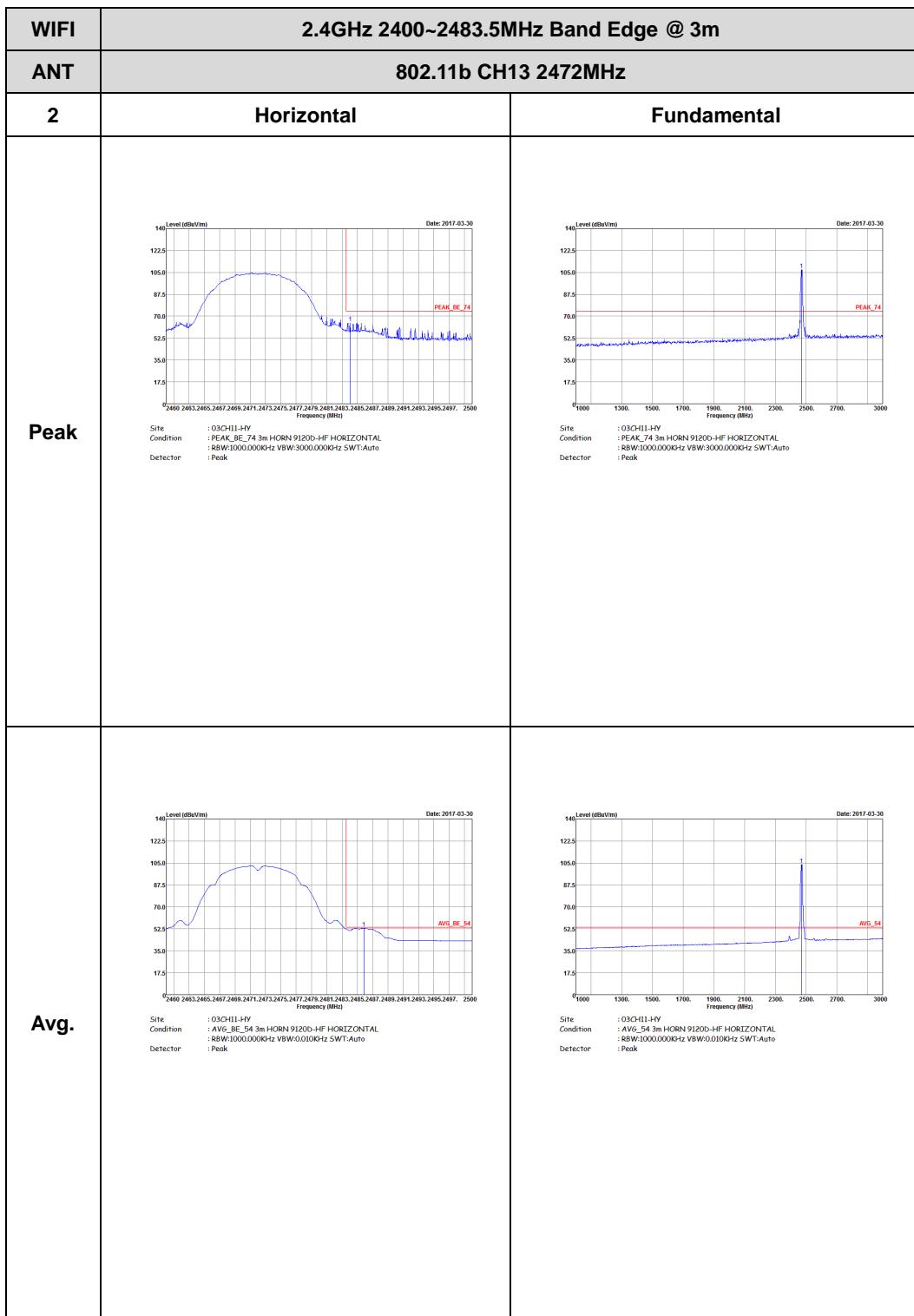
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak</p>	Left blank
Avg.	 <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak</p>	Left blank

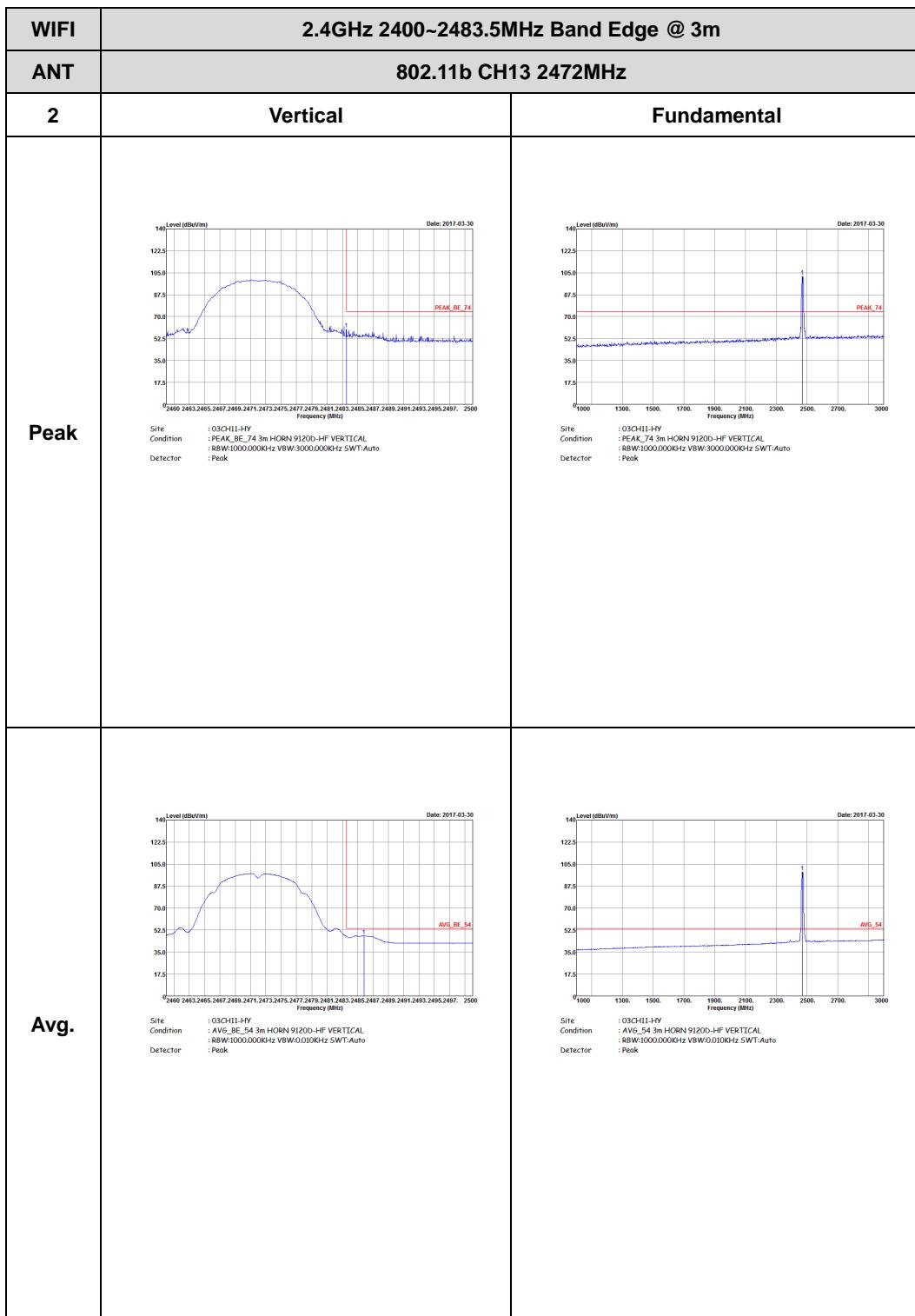








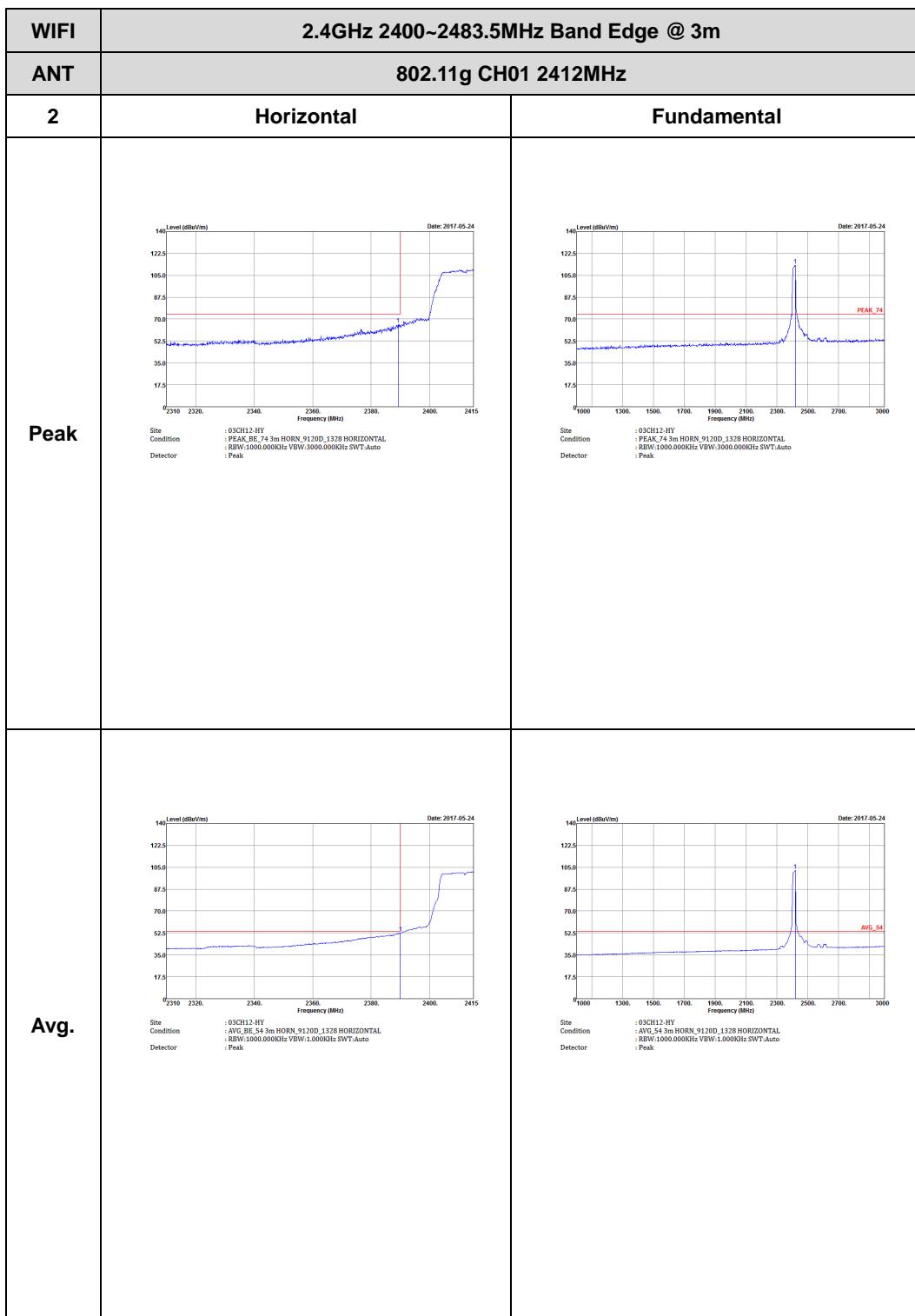


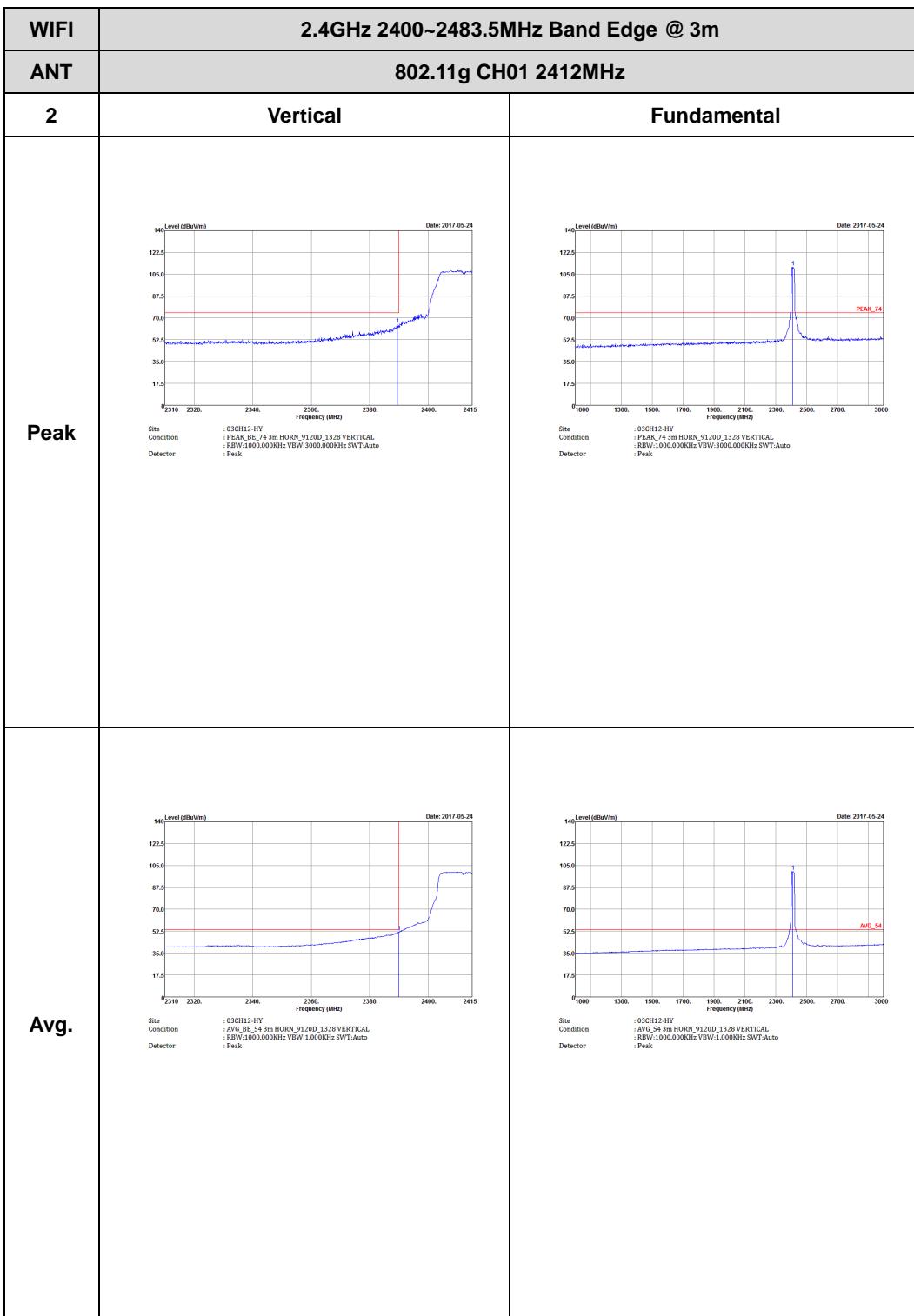


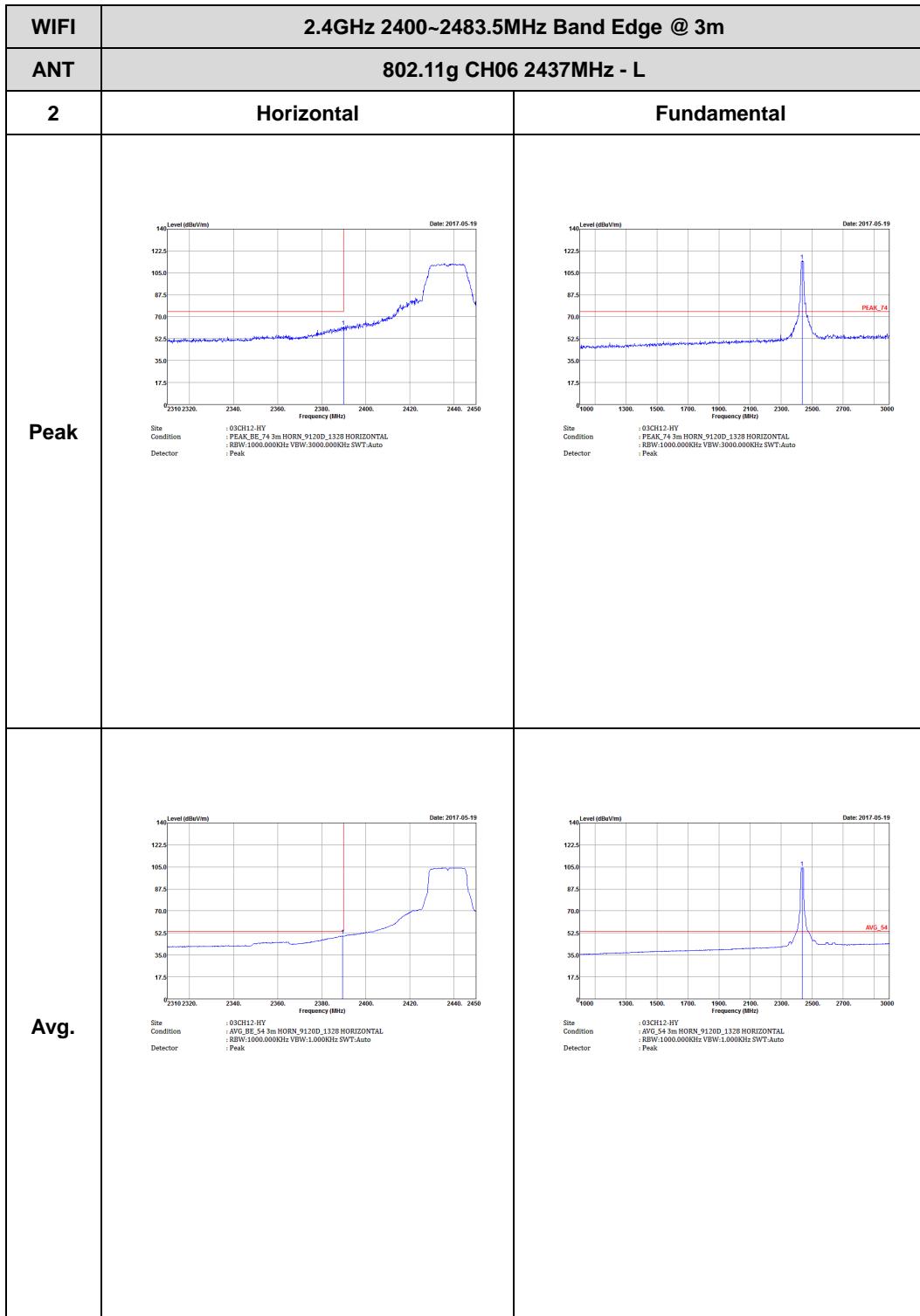


2.4GHz 2400~2483.5MHz

WIFI 802.11g (Band Edge @ 3m)

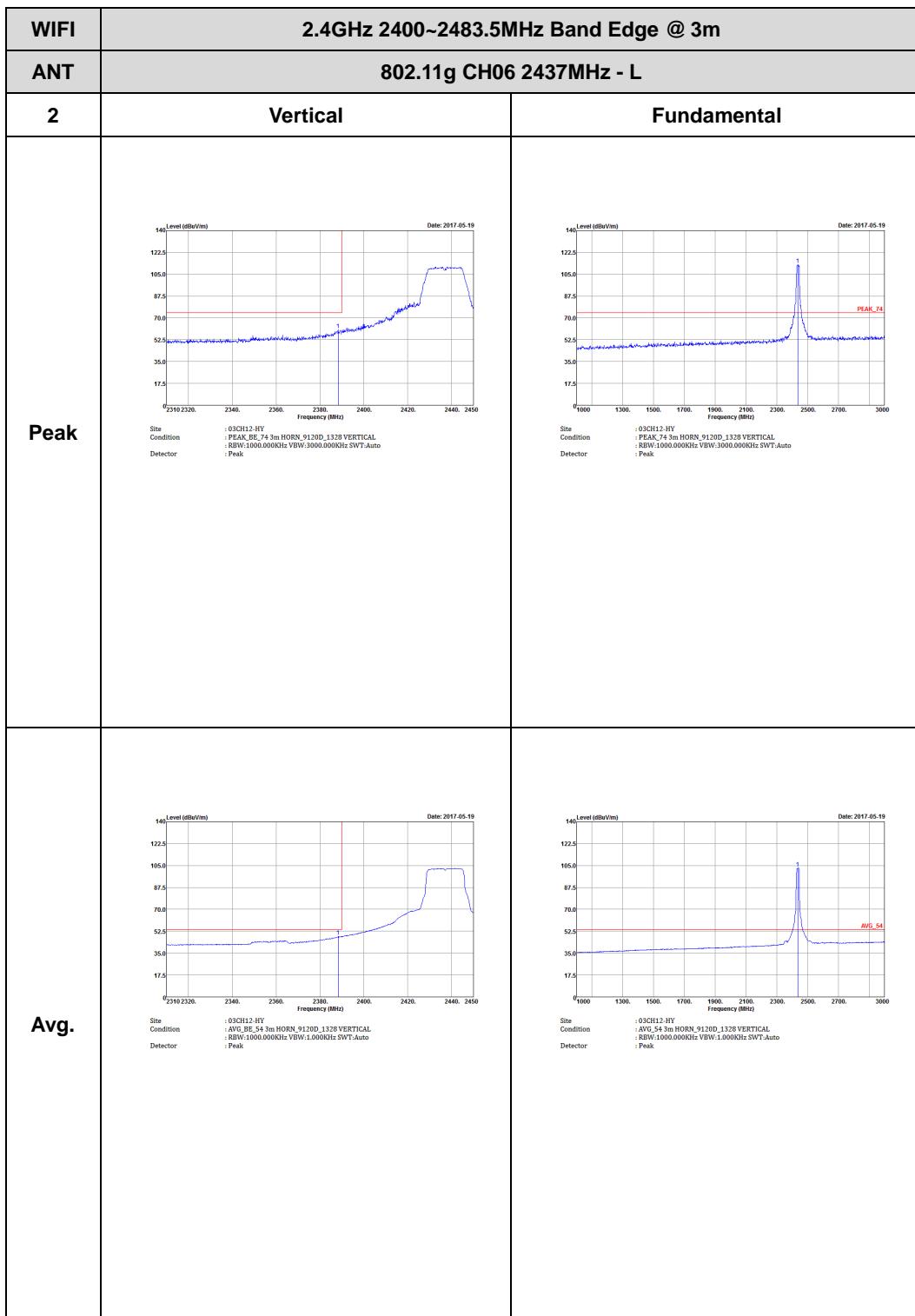






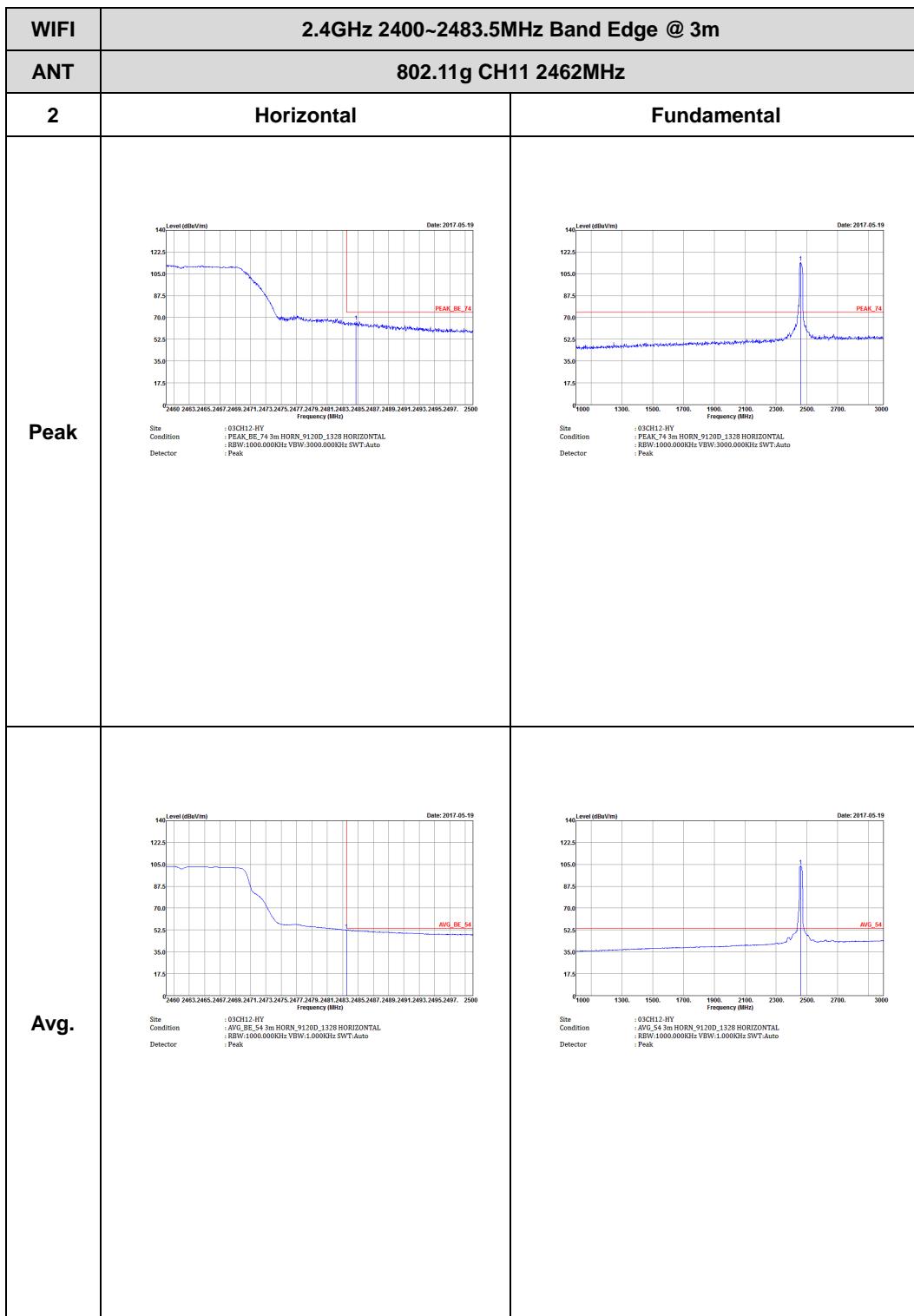


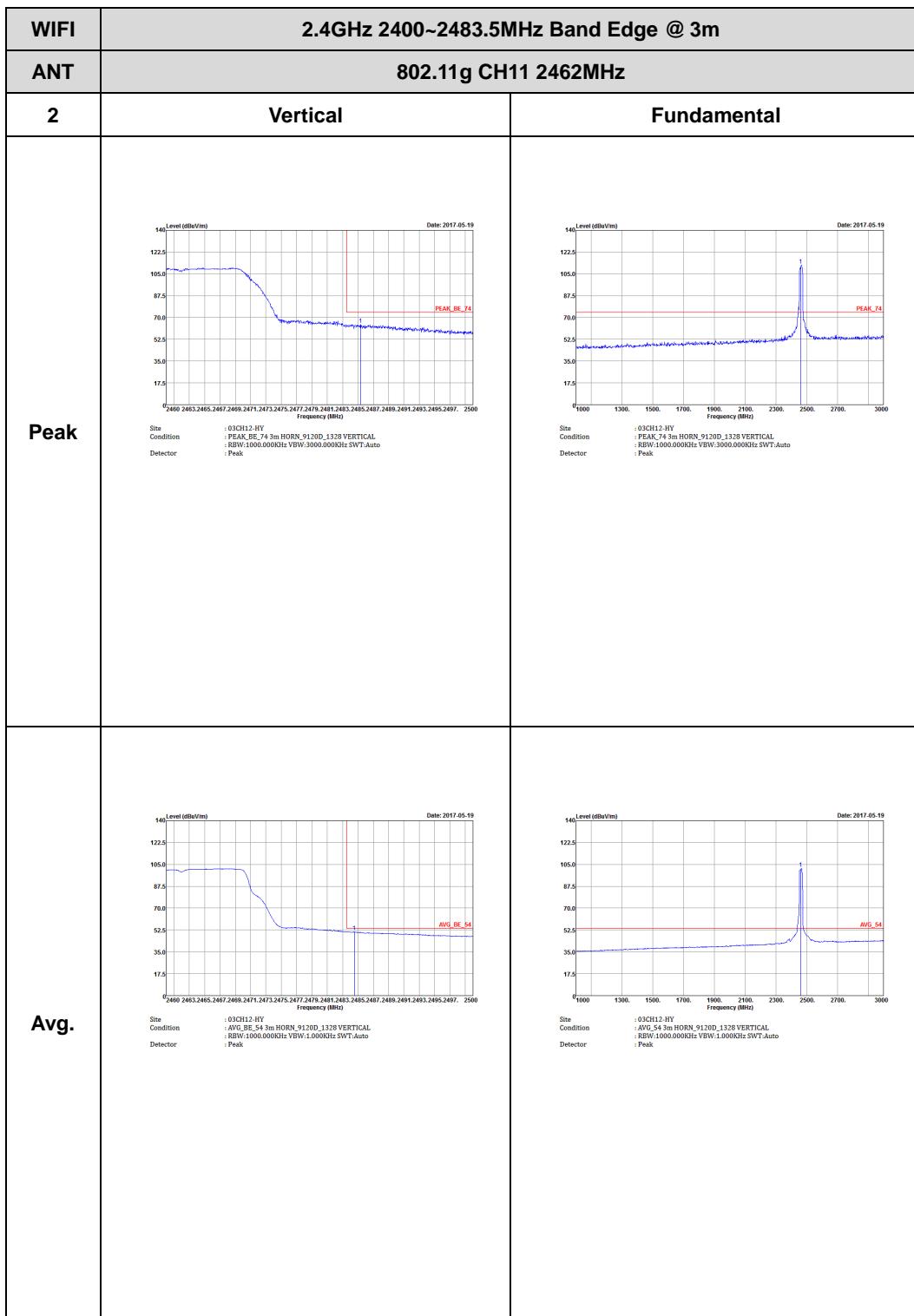
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
2	Horizontal	Fundamental
Peak	 <p>Level (dBm/Vm) vs Frequency (MHz) plot. The x-axis ranges from 2430 to 2500 MHz, and the y-axis ranges from 17.5 to 140 dBm/Vm. A blue line shows a sharp drop from approximately 105 dBm/Vm at 2440 MHz to about 70 dBm/Vm at 2483.5 MHz. A red vertical line marks the peak at 2483.5 MHz. Text on the plot includes: Date: 2017-05-19, PEAK_BE_74, Site: 03CH12-HY, Condition: PEAK_BE_74 3m HORN, 9120D, 1328 HORIZONTAL, RBW:1000.000KHz VBW:3000.000KHz SWT:Auto, Detector: Peak.</p>	Left blank
Avg.	 <p>Level (dBm/Vm) vs Frequency (MHz) plot. The x-axis ranges from 2430 to 2500 MHz, and the y-axis ranges from 17.5 to 140 dBm/Vm. A blue line shows a smooth decay from approximately 105 dBm/Vm at 2440 MHz to about 55 dBm/Vm at 2483.5 MHz. A red vertical line marks the average at 2483.5 MHz. Text on the plot includes: Date: 2017-05-19, AVG_BE_54, Site: 03CH12-HY, Condition: AVG_BE_54 3m HORN, 9120D, 1328 HORIZONTAL, RBW:1000.000KHz VBW:1.000KHz SWT:Auto, Detector: Peak.</p>	Left blank

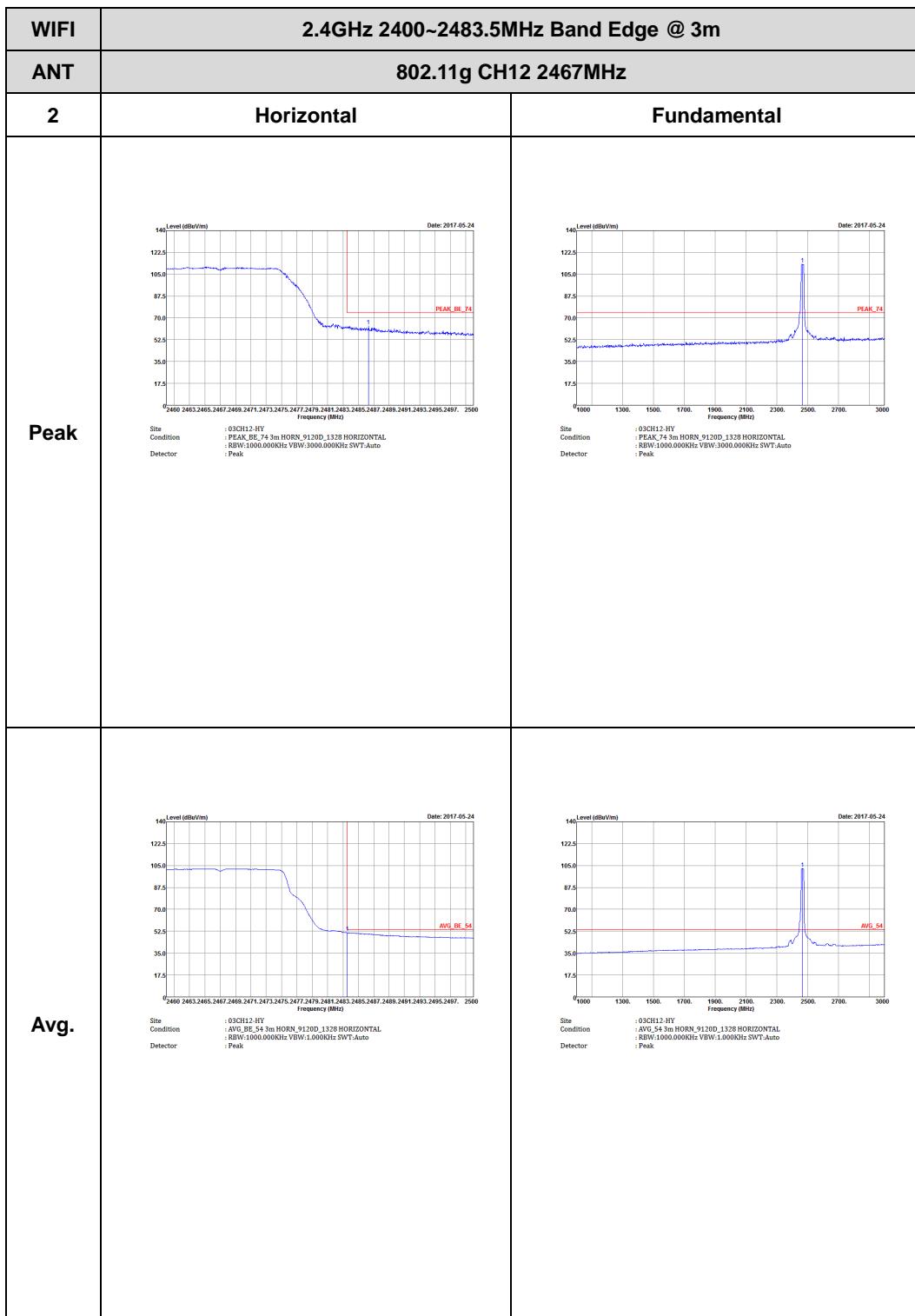


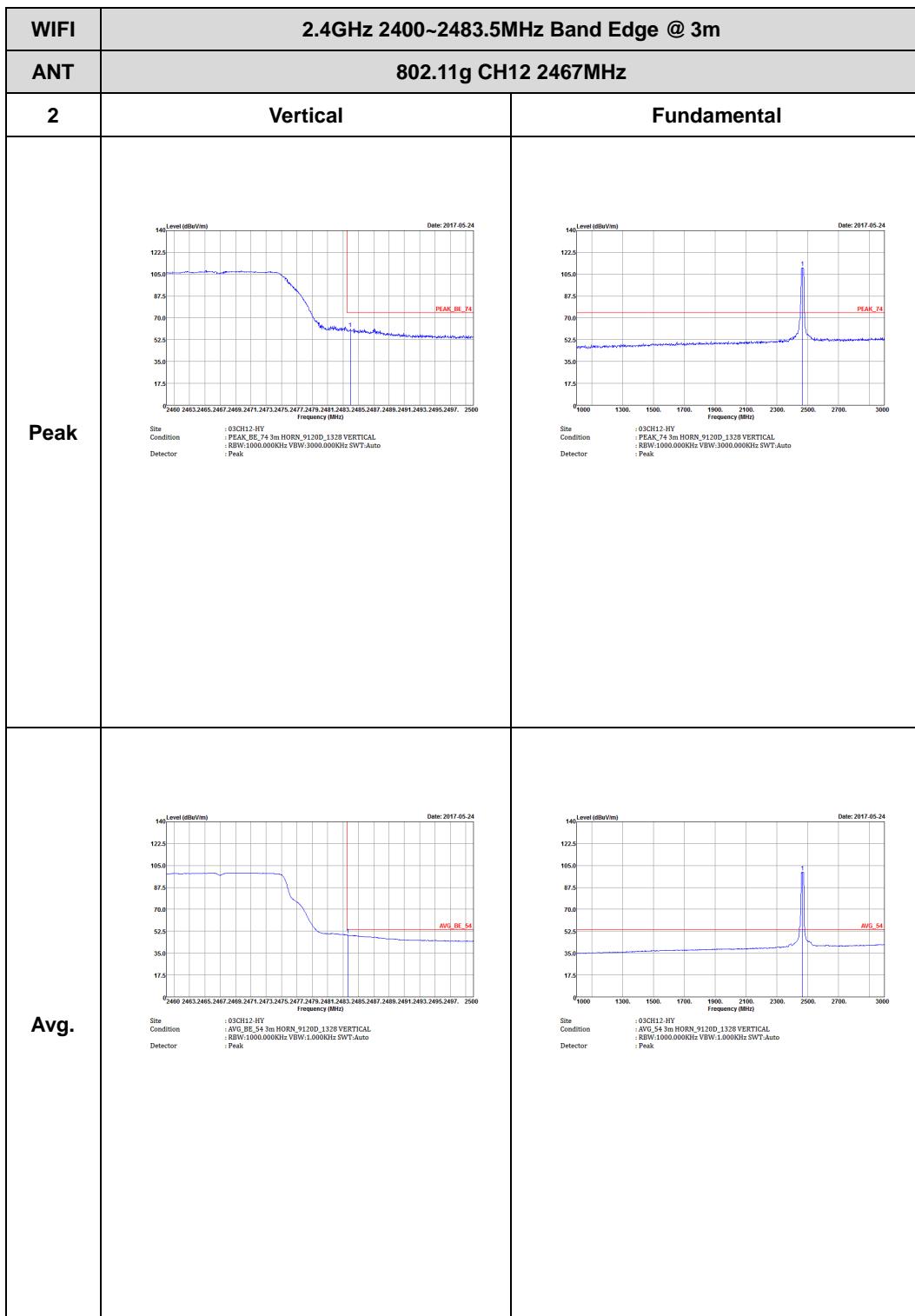


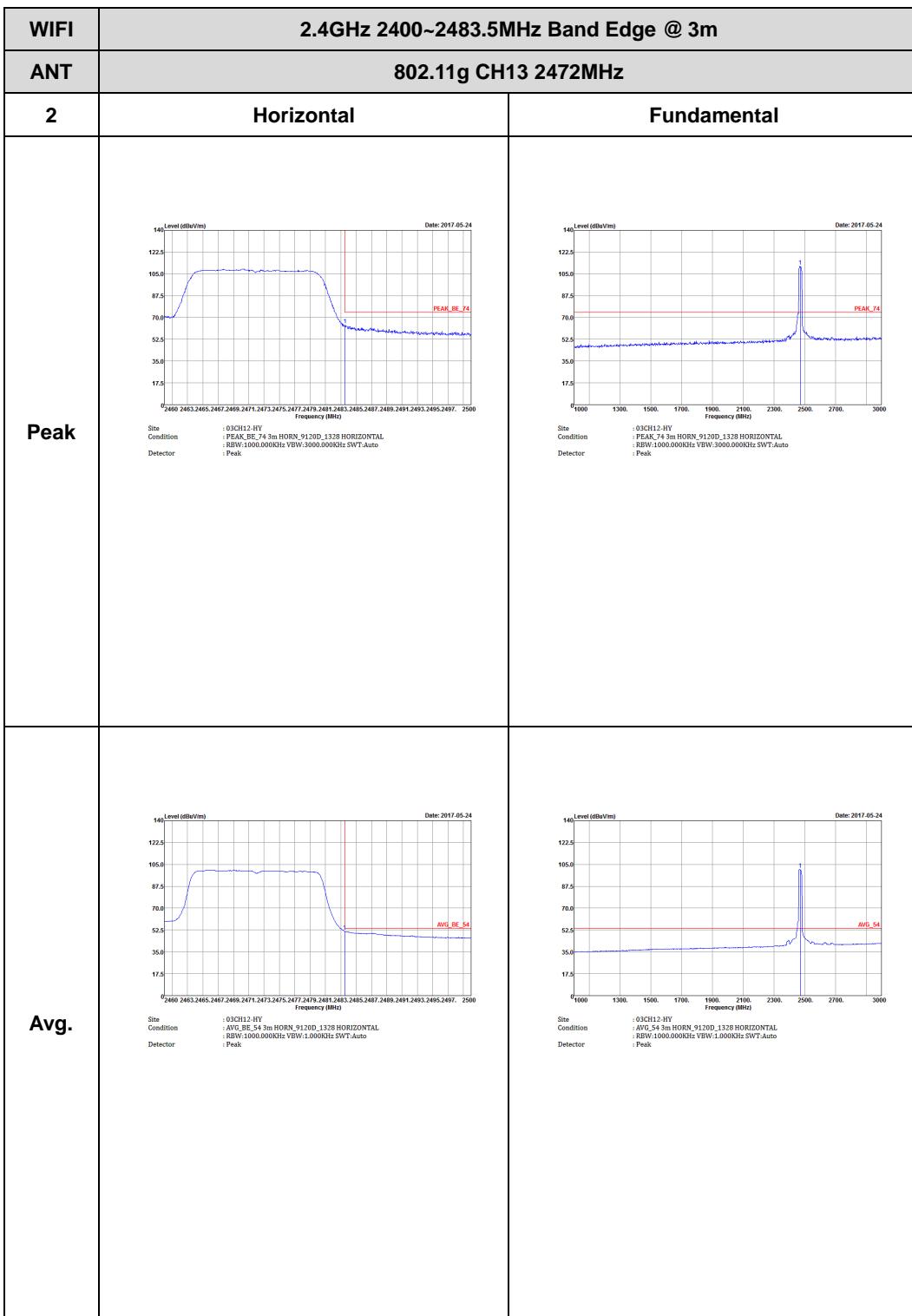
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
2	Vertical	Fundamental
Peak	<p>Level (dBuV/m)</p> <p>Date: 2017-05-19</p> <p>140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0</p> <p>2430 2440. 2450. 2460. 2470. 2480. 2490. 2500</p> <p>Frequency (MHz)</p> <p>PEAK_BE_74</p> <p>Site: 03CH12-HY Condition: PEAK_BE_74 3m HORN, 9120D, 1328 VERTICAL, RFW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector: Peak</p>	Left Blank
Avg.	<p>Level (dBuV/m)</p> <p>Date: 2017-05-19</p> <p>140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0</p> <p>2430 2440. 2450. 2460. 2470. 2480. 2490. 2500</p> <p>Frequency (MHz)</p> <p>AVG_BE_54</p> <p>Site: 03CH12-HY Condition: AVG_BE_54 3m HORN, 9120D, 1328 VERTICAL, RFW:1000.000KHz VBW:1.000KHz SWT:Auto Detector: Peak</p>	Left Blank

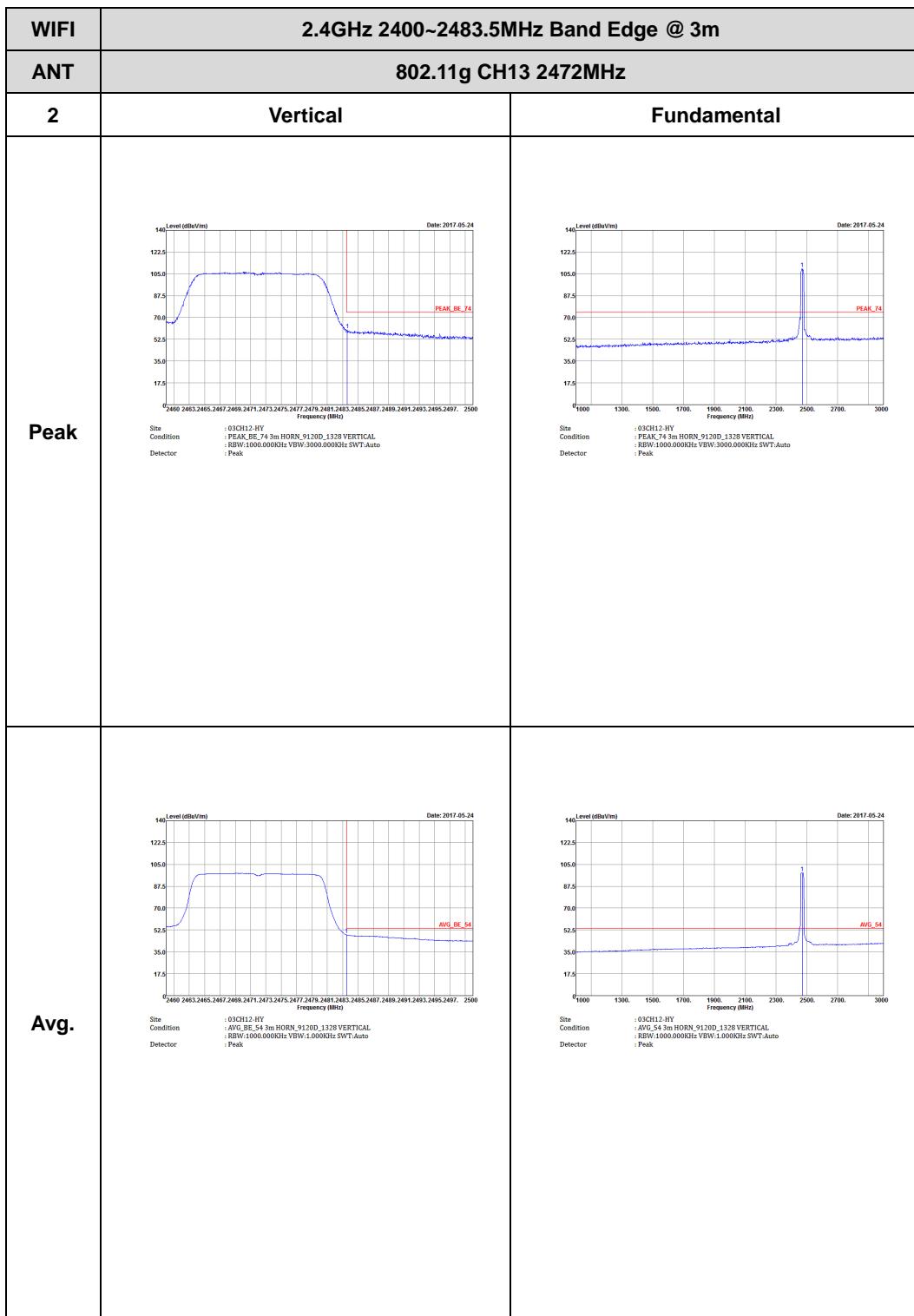








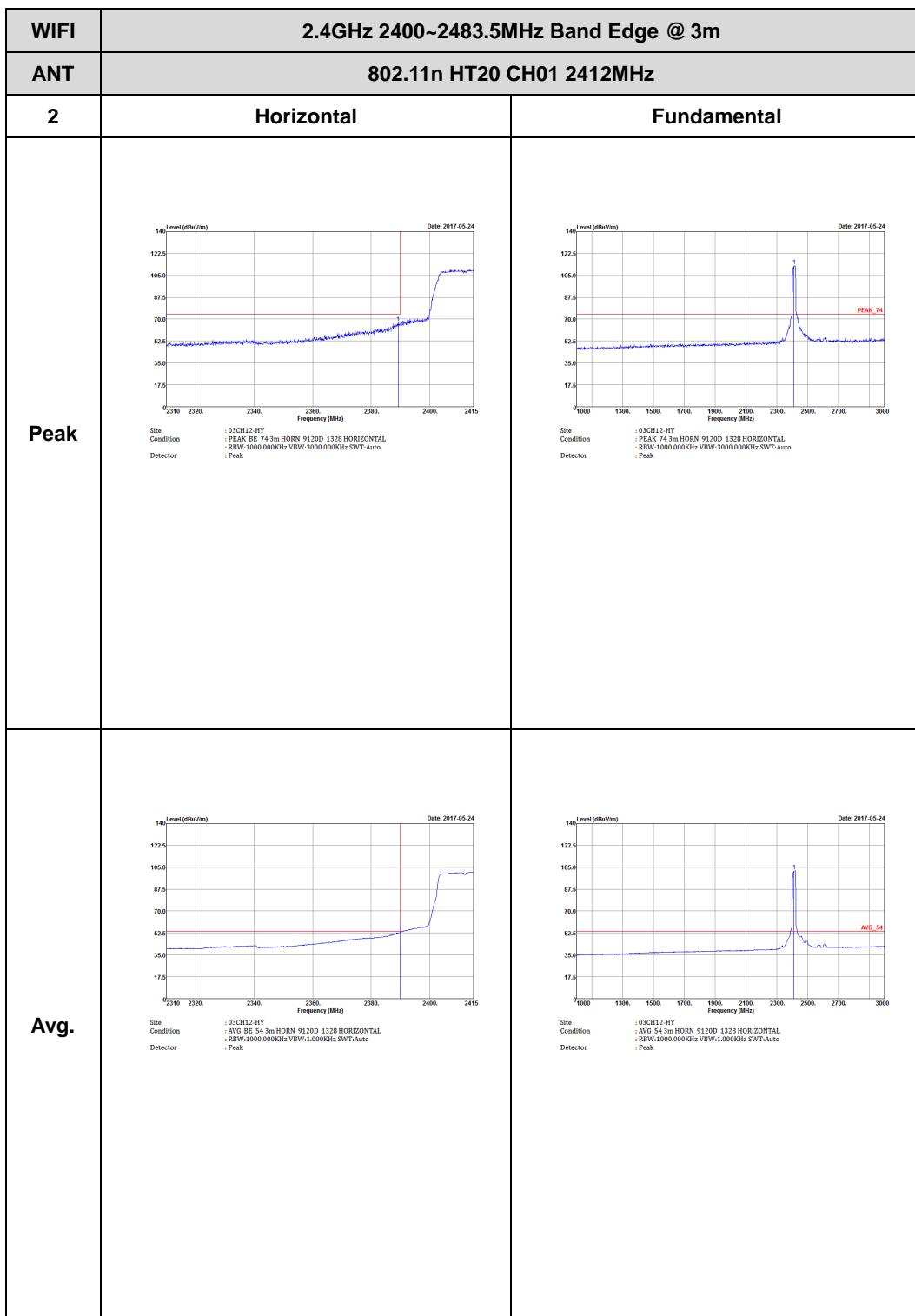


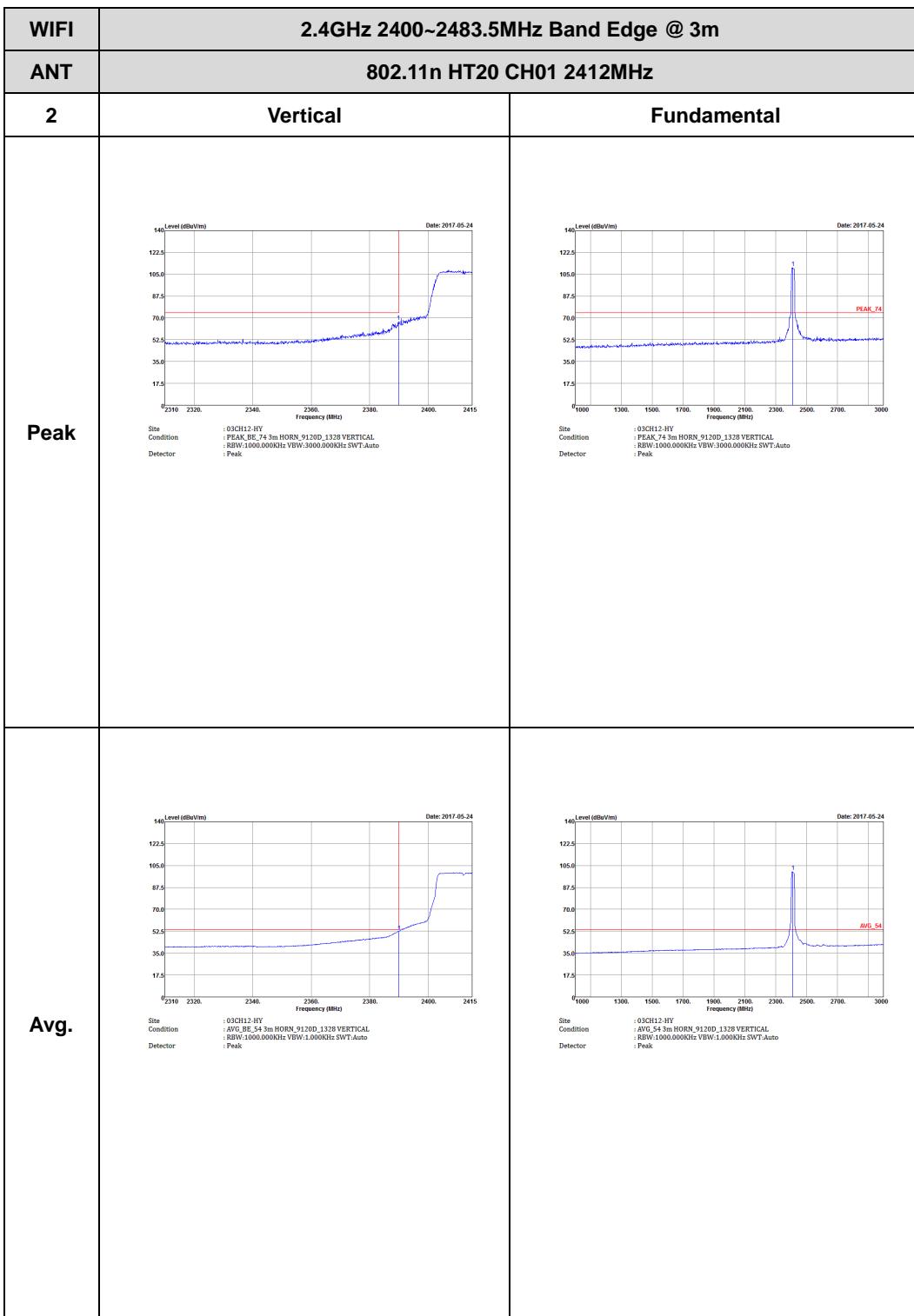


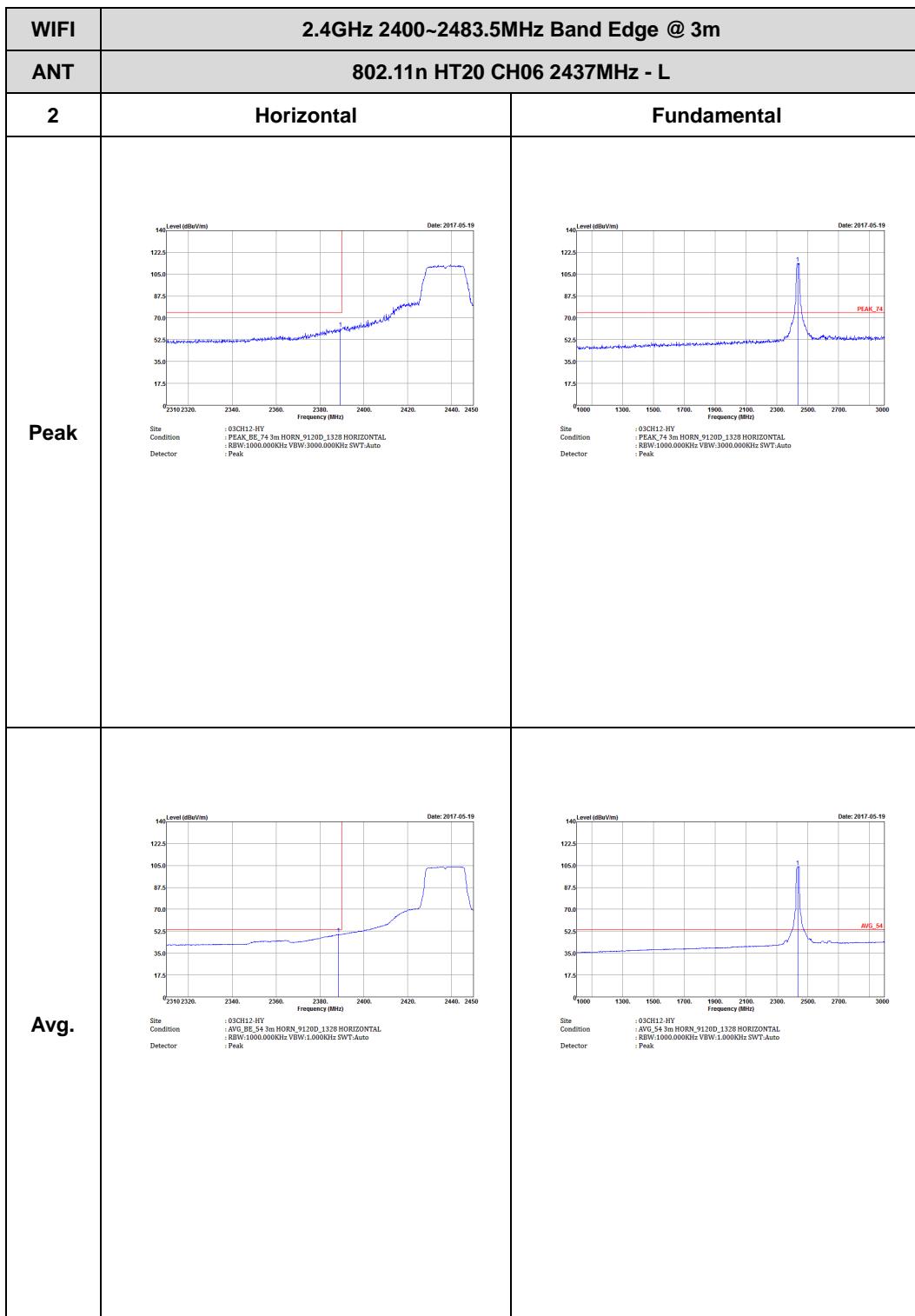


2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

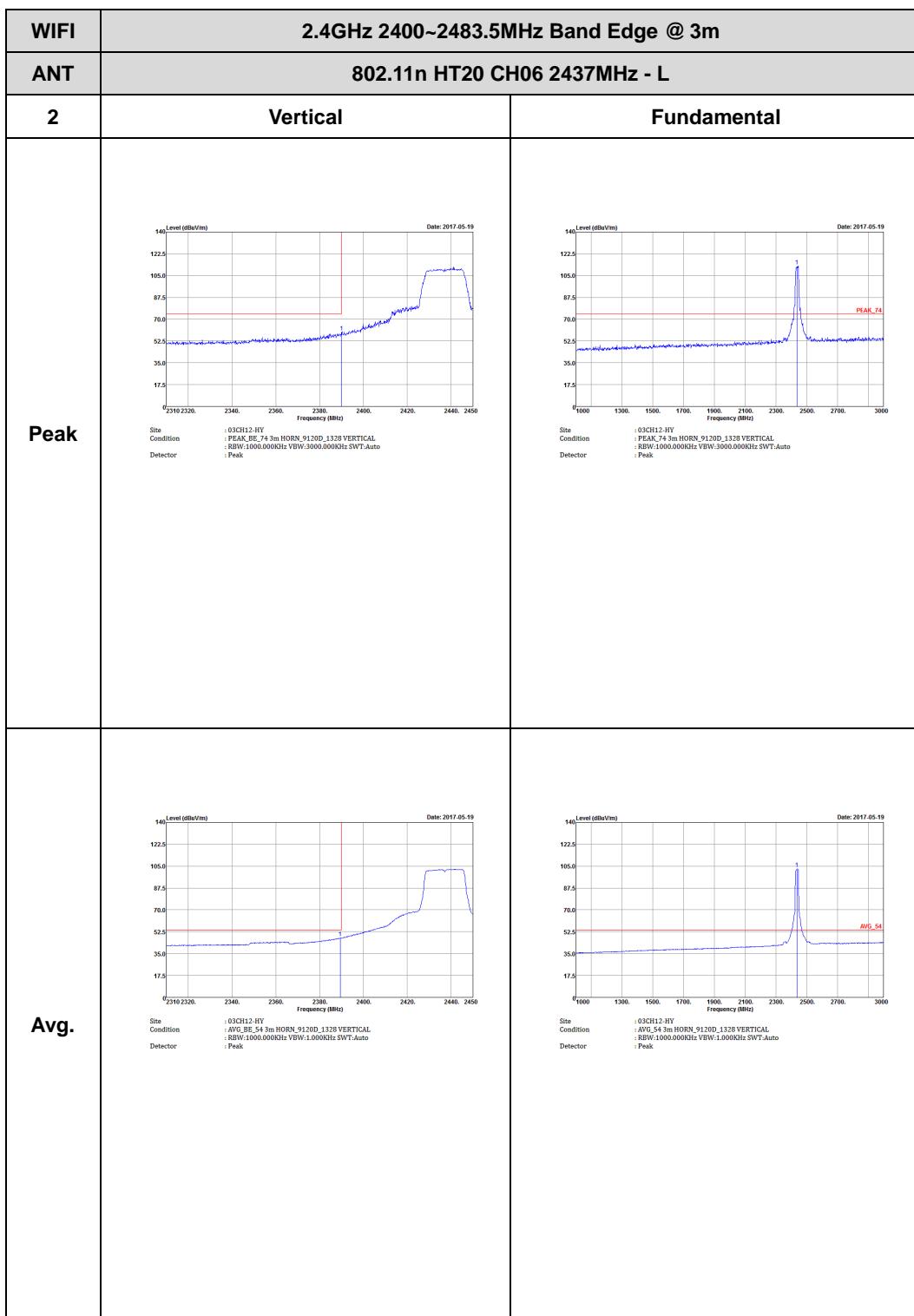




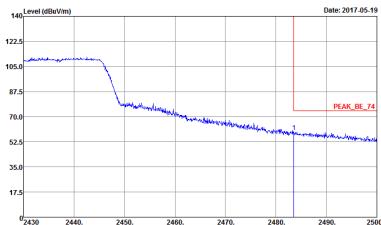


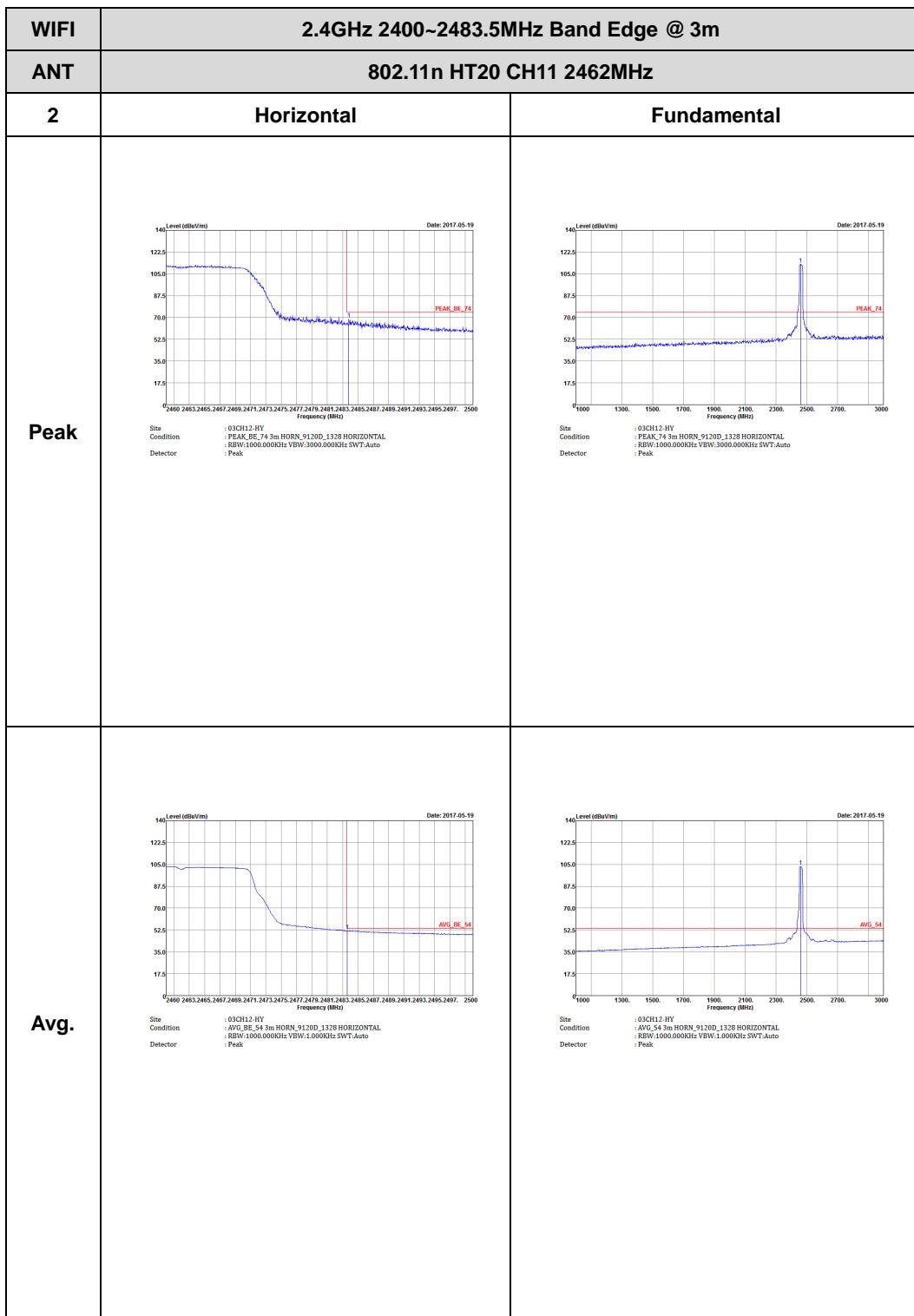


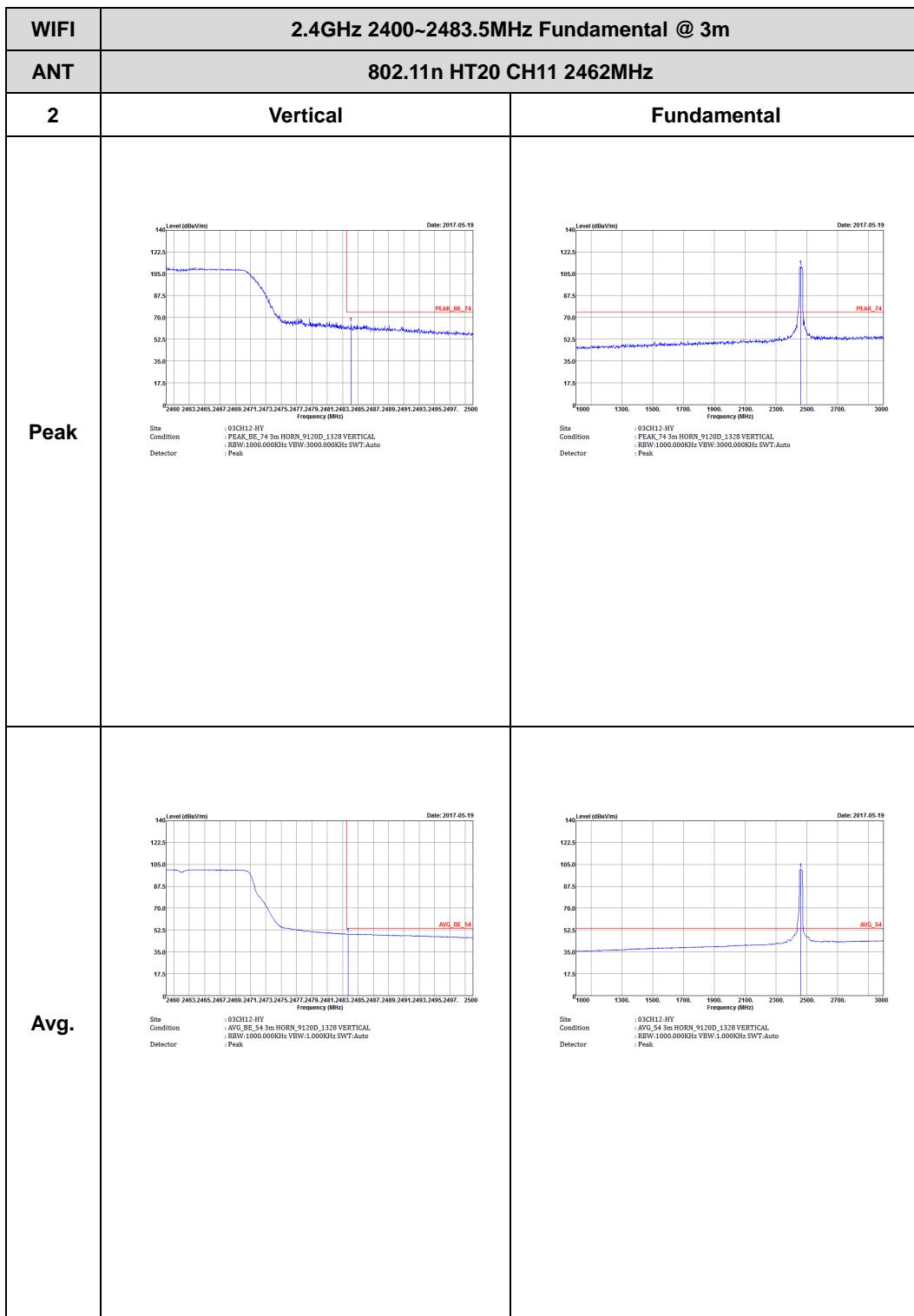
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
2	Horizontal	Fundamental
Peak	 <p>Level (dBmV/m)</p> <p>Date: 2017-05-19</p> <p>PEAK_BE_74</p> <p>Site: 03CH12-HY Condition: PEAK_BE_74 3m HORN 9120D_1328 HORIZONTAL Detector: PEAK</p>	Left blank
Avg.	 <p>Level (dBmV/m)</p> <p>Date: 2017-05-19</p> <p>Avg_BE_54</p> <p>Site: 03CH12-HY Condition: AVG_BE_54 3m HORN 9120D_1328 HORIZONTAL Detector: Peak</p>	Left blank

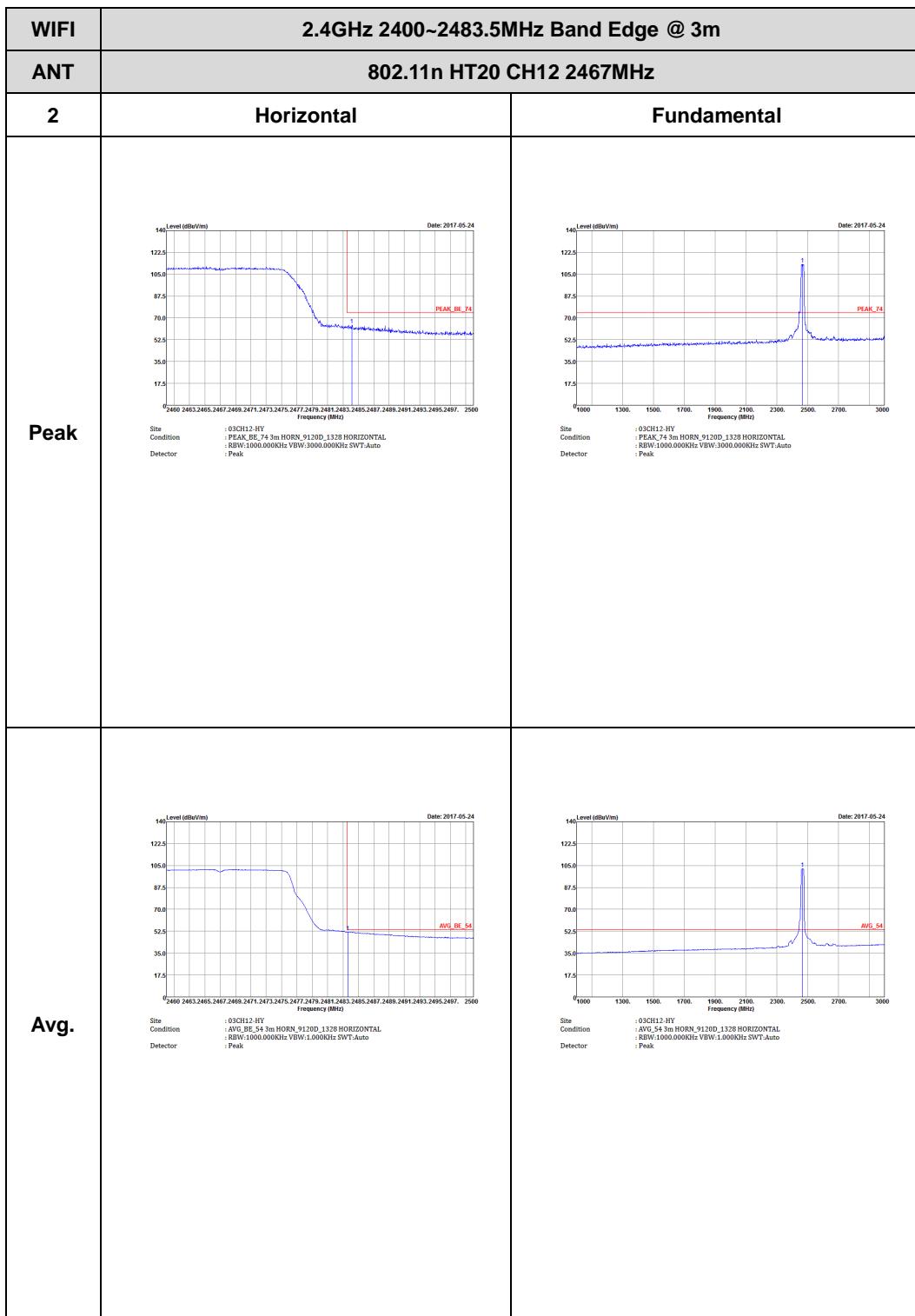


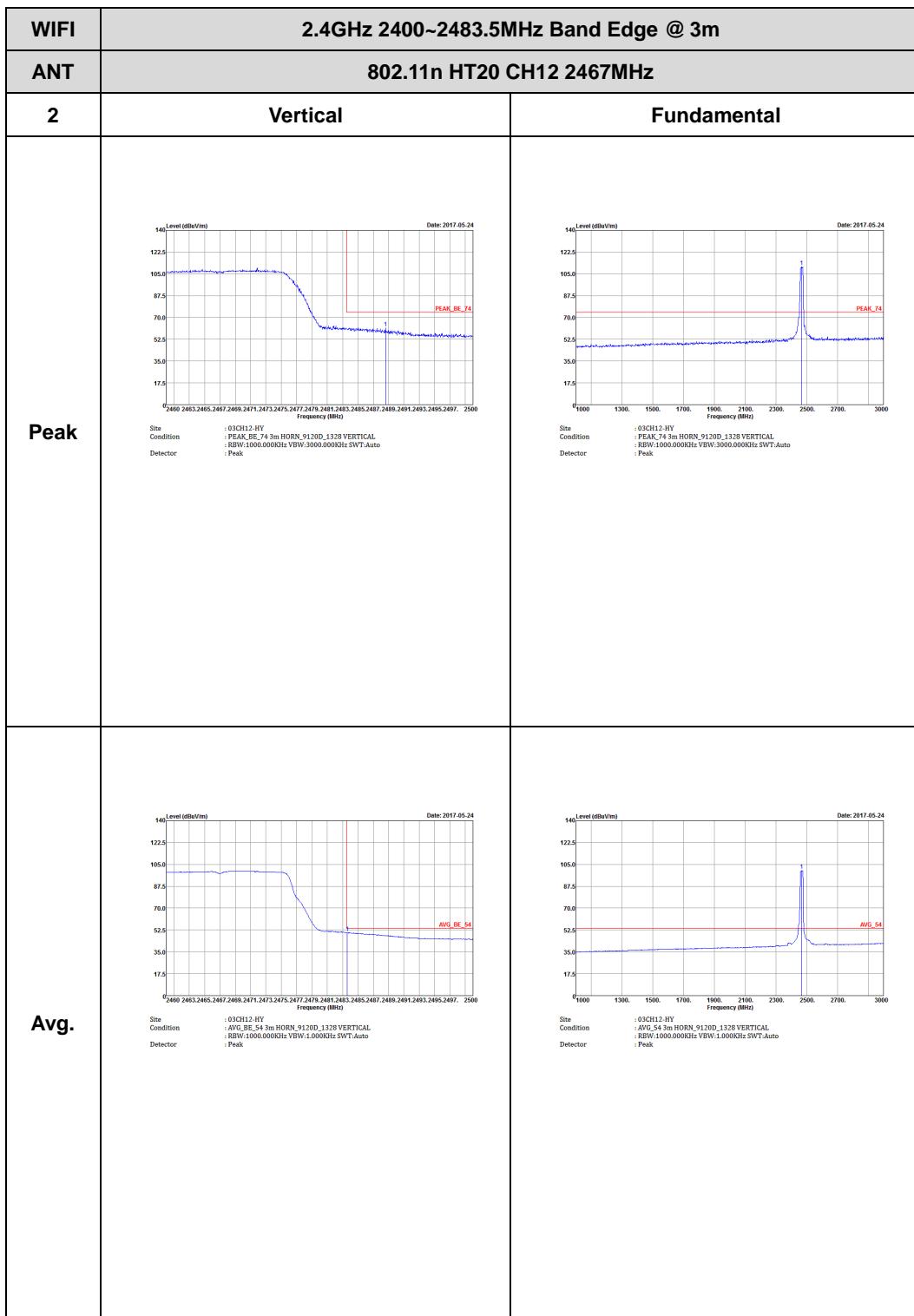


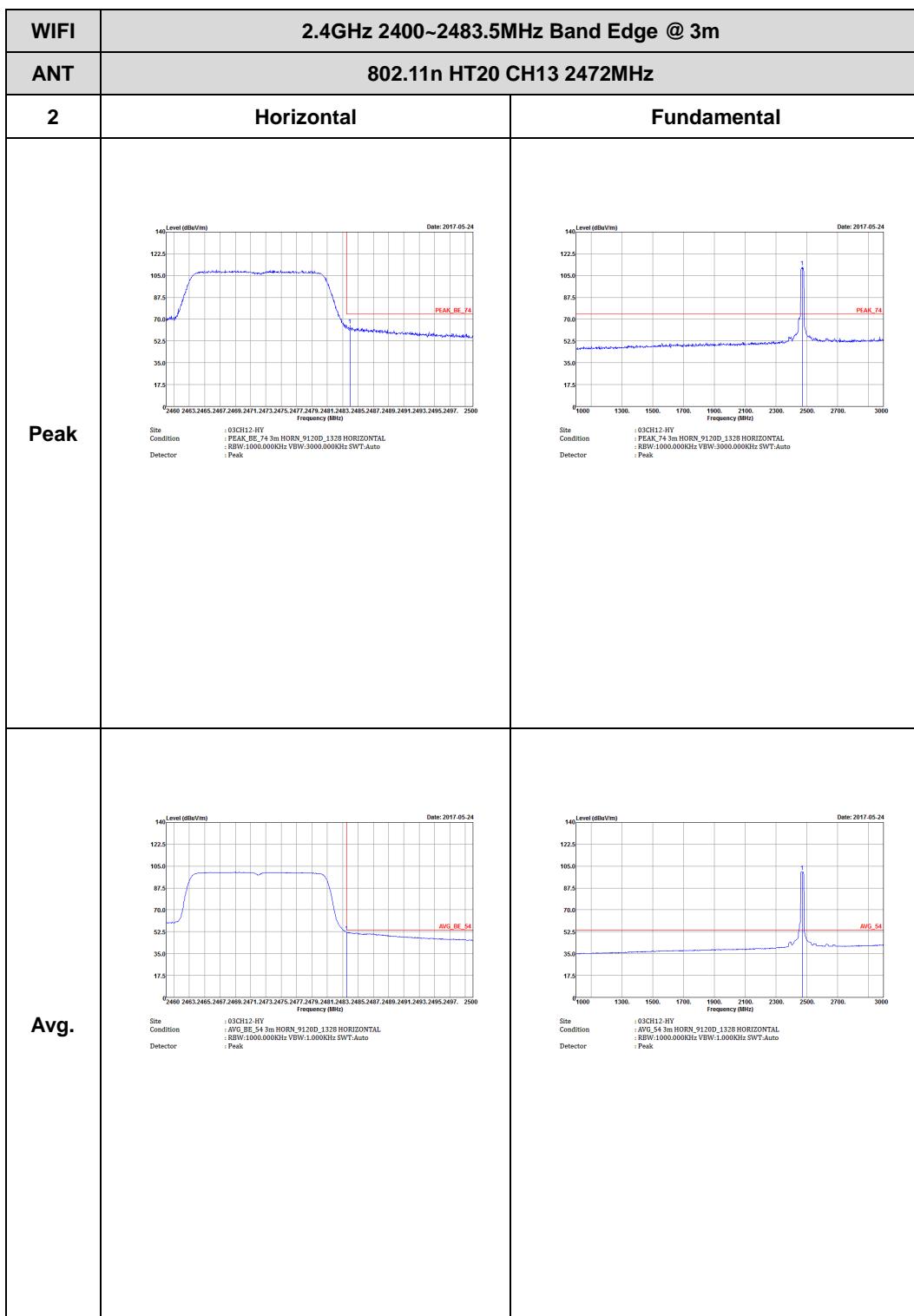
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
2	Vertical	Fundamental
Peak	 <p>Level (dBmV/m)</p> <p>Date: 2017-05-19</p> <p>PEAK_BE_74</p> <p>Site: 03CH12-HY Condition: PEAK_BE_74 3m HORN, 9120D, 1328 VERTICAL, RFW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector: Peak</p>	Left Blank
Avg.	 <p>Level (dBmV/m)</p> <p>Date: 2017-05-19</p> <p>AVG_BE_54</p> <p>Site: 03CH12-HY Condition: AVG_BE_54 3m HORN, 9120D, 1328 VERTICAL, RFW:1000.000KHz VBW:1.000KHz SWT:Auto Detector: Peak</p>	Left Blank



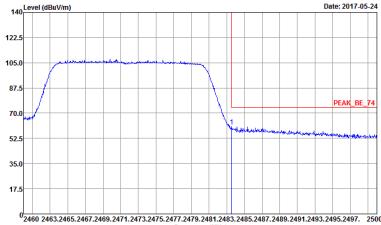
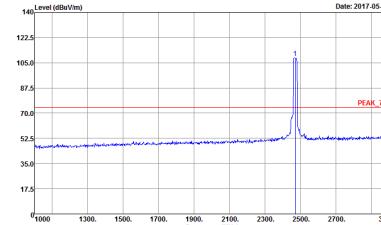
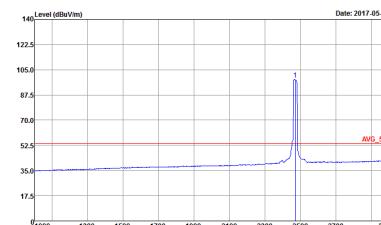








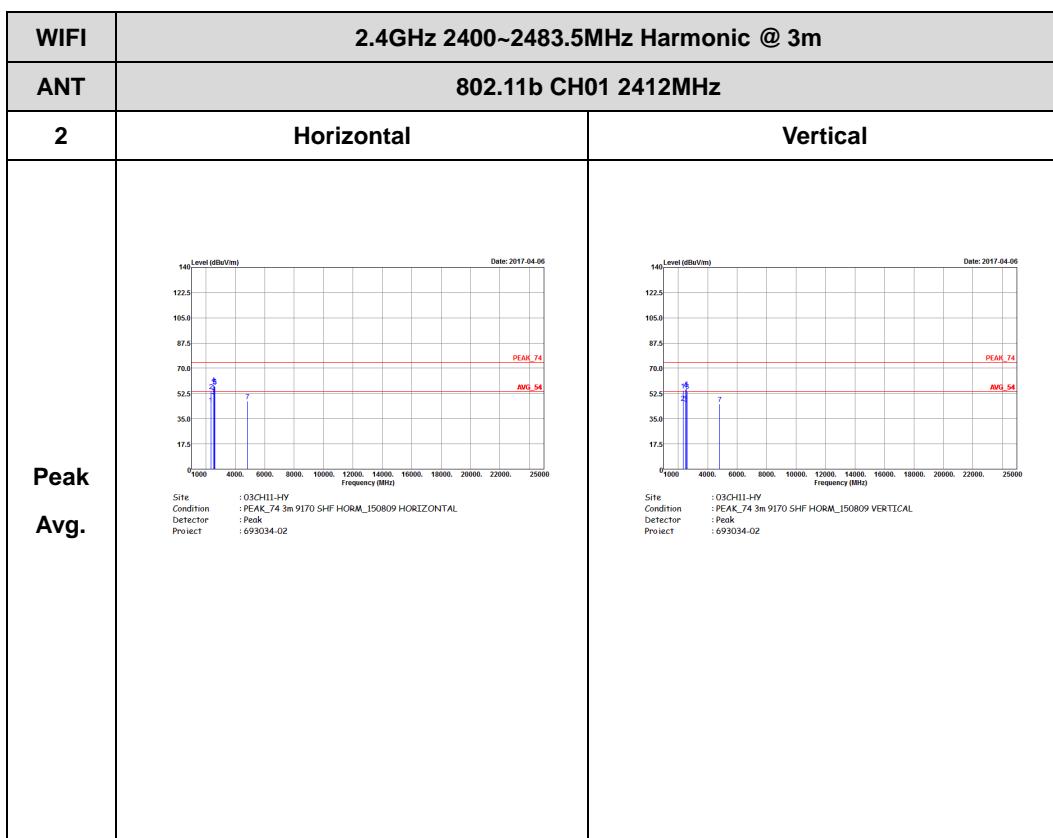


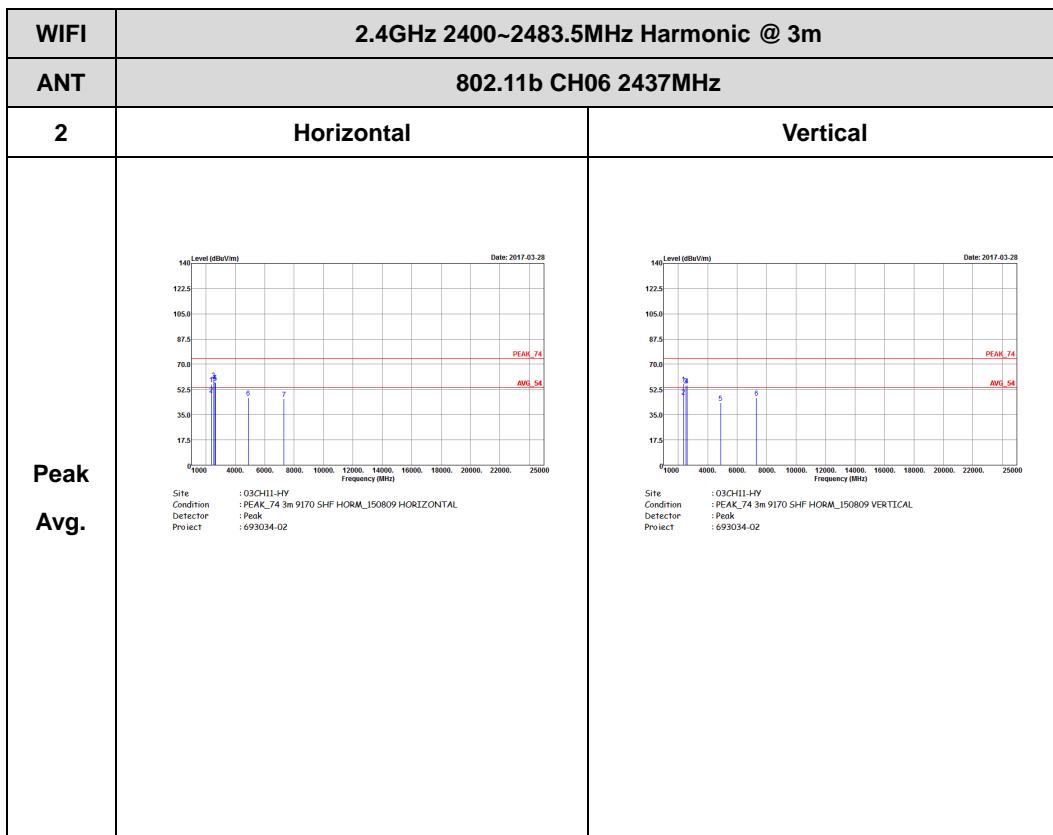
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Peak</p>	 <p>Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Peak</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Peak</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 VERTICAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Peak</p>

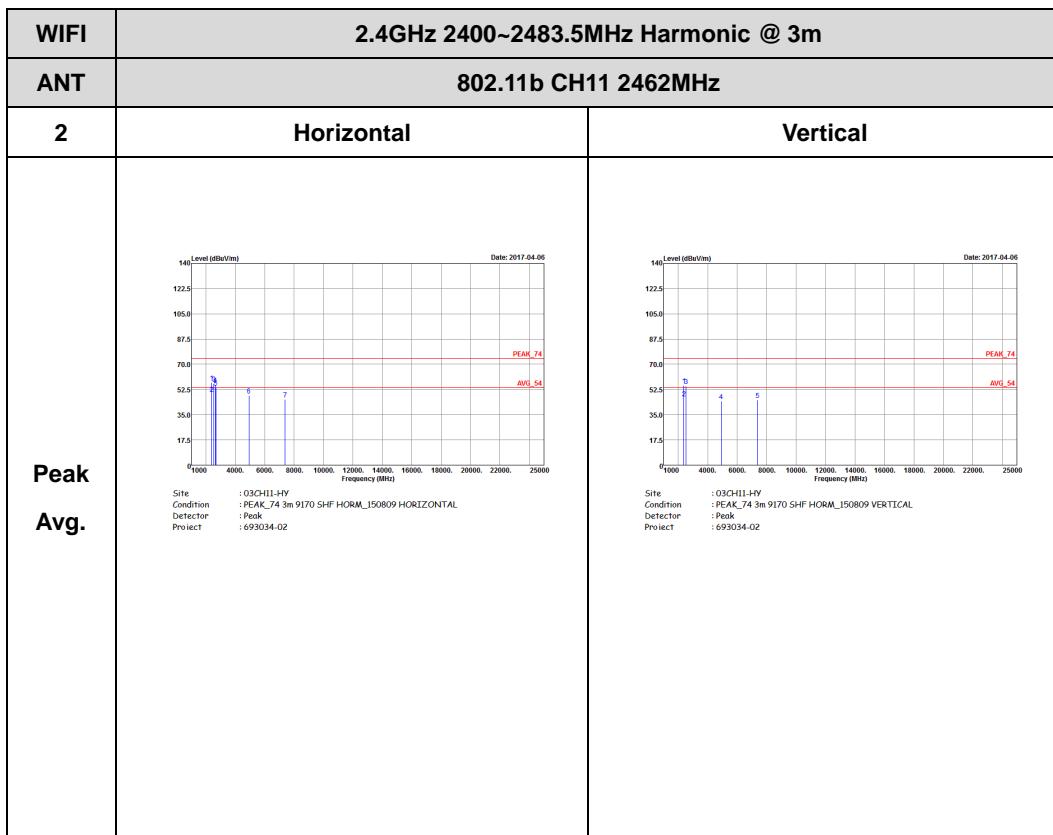


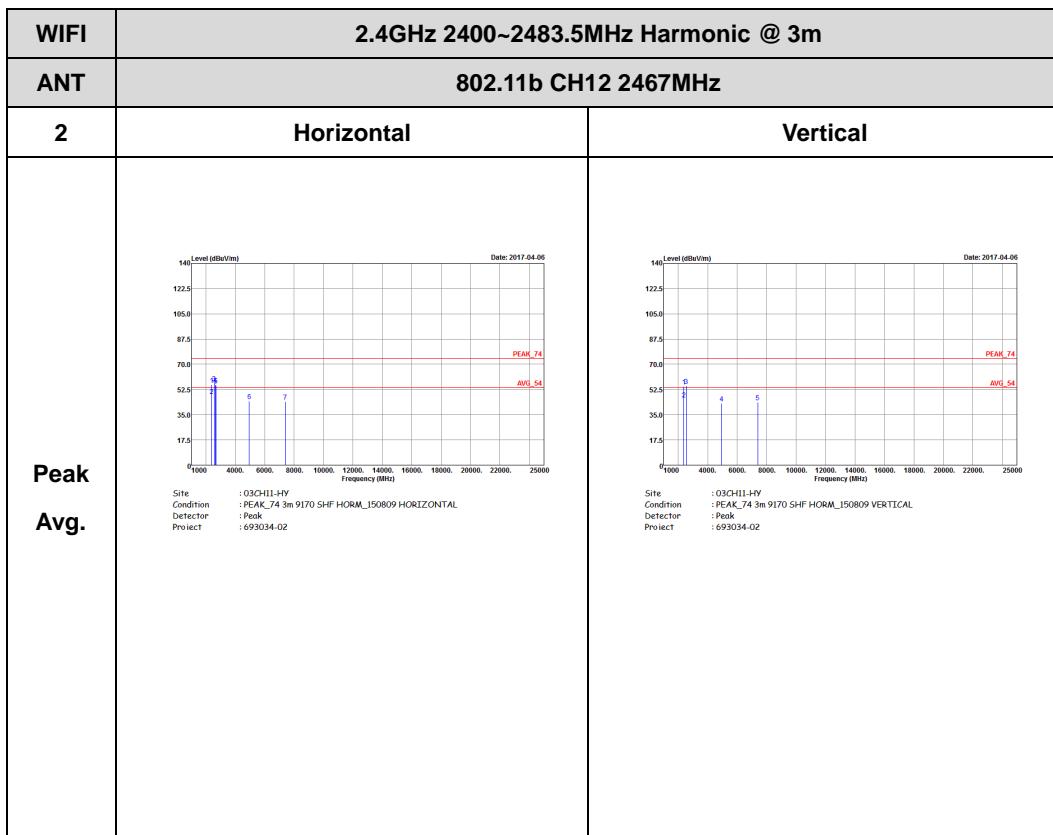
2.4GHz 2400~2483.5MHz

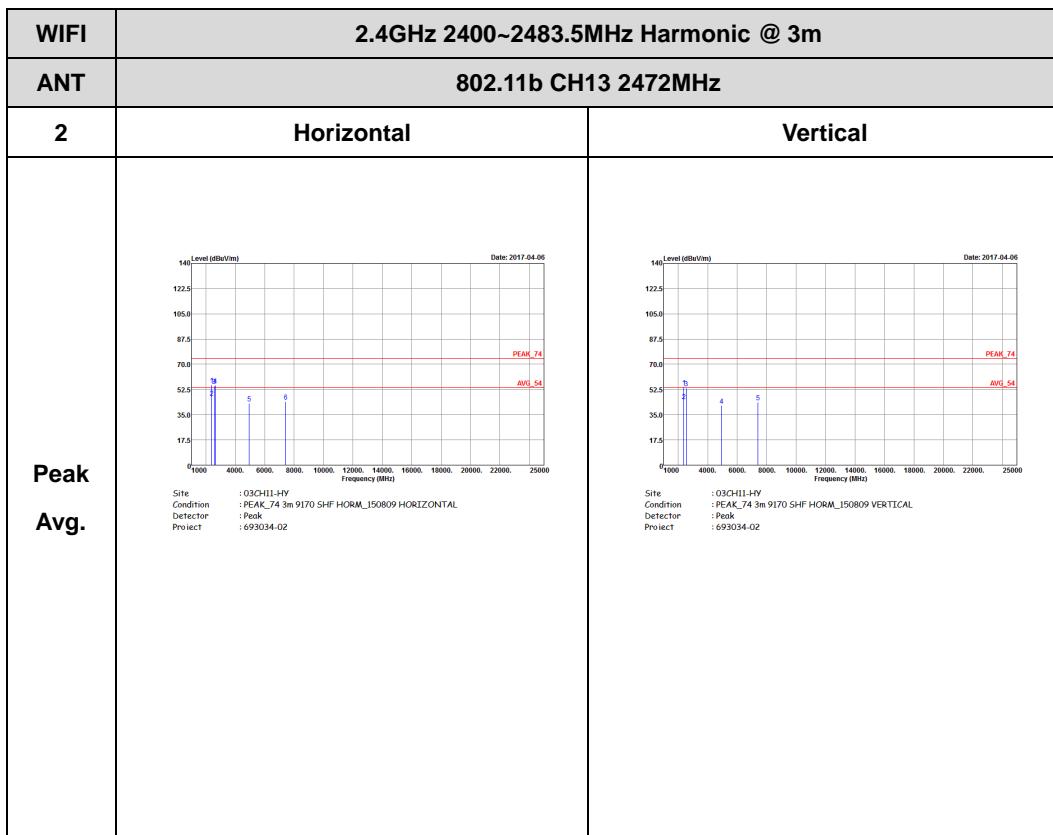
WIFI 802.11b (Harmonic @ 3m)







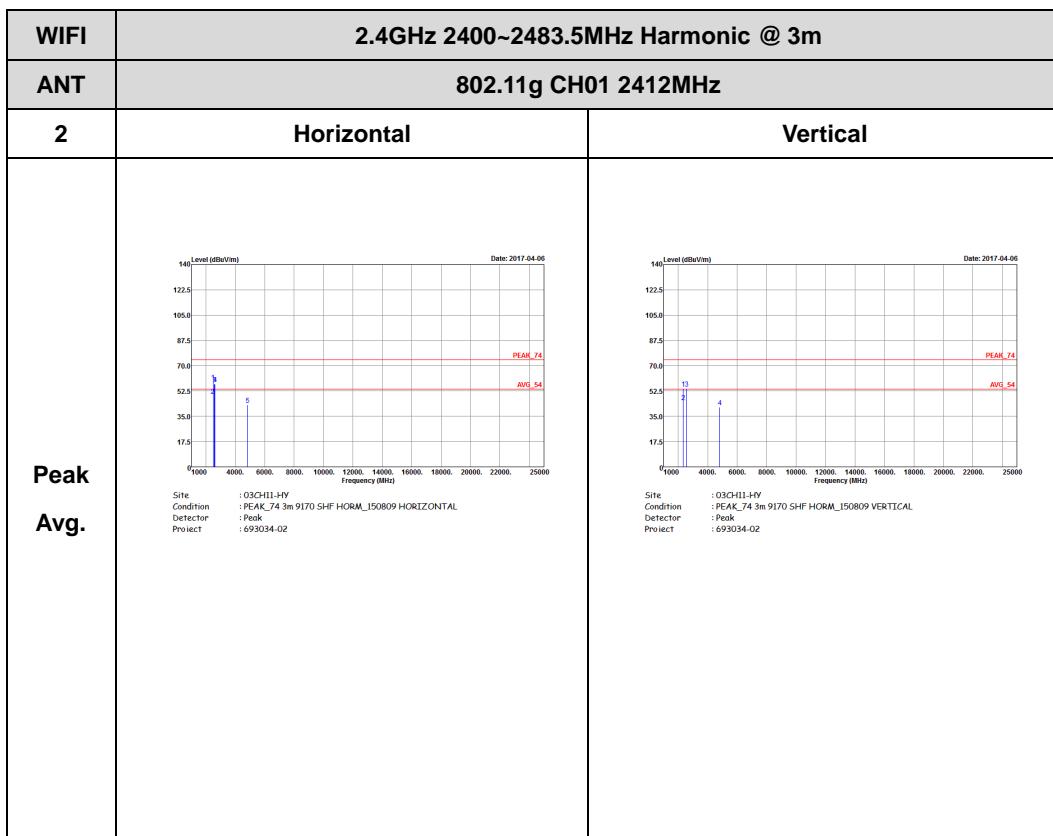


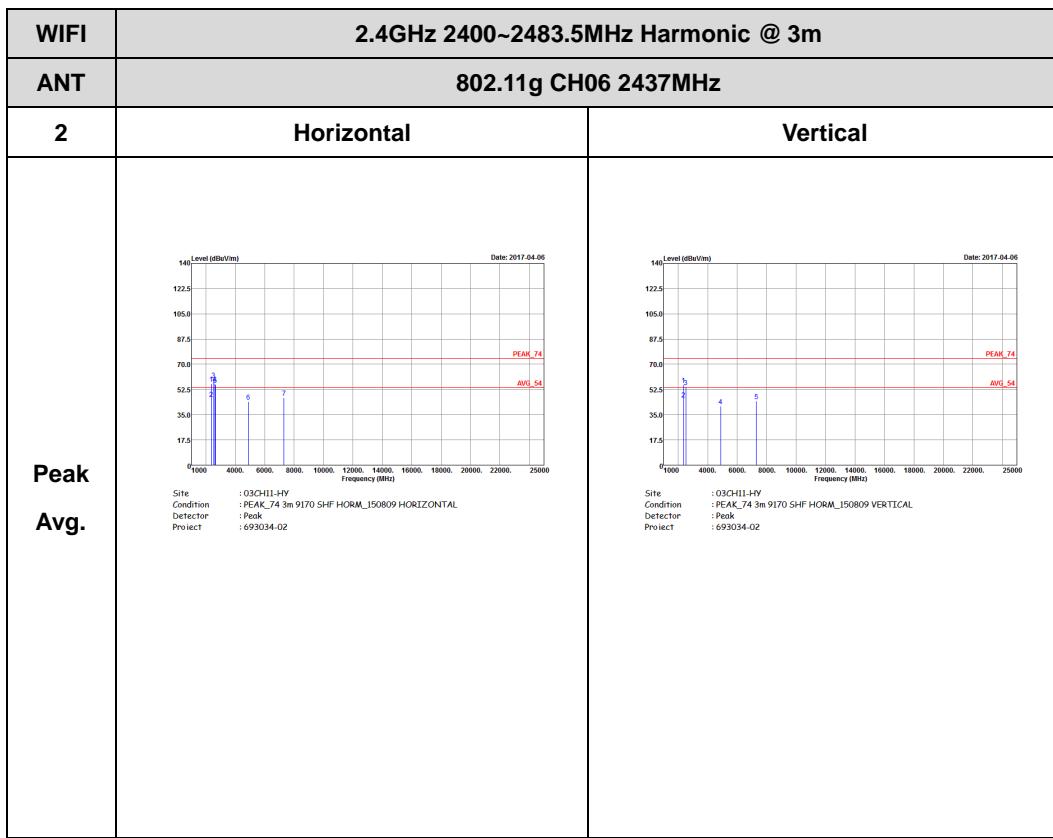


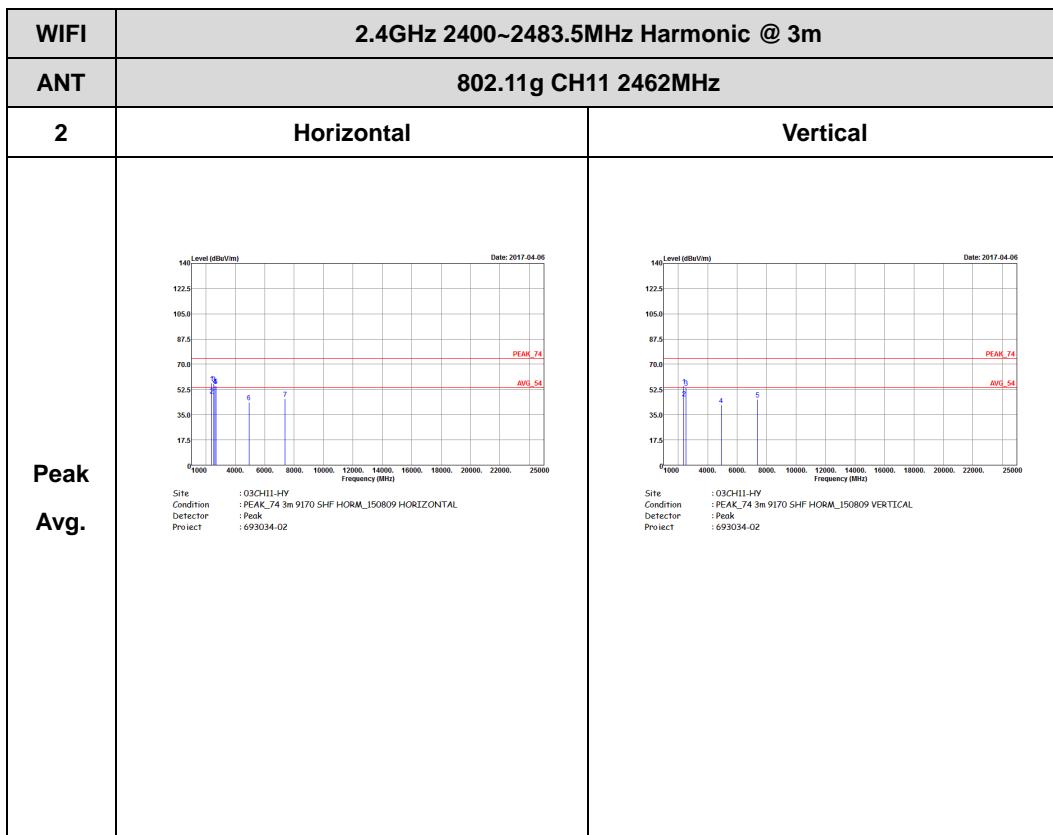


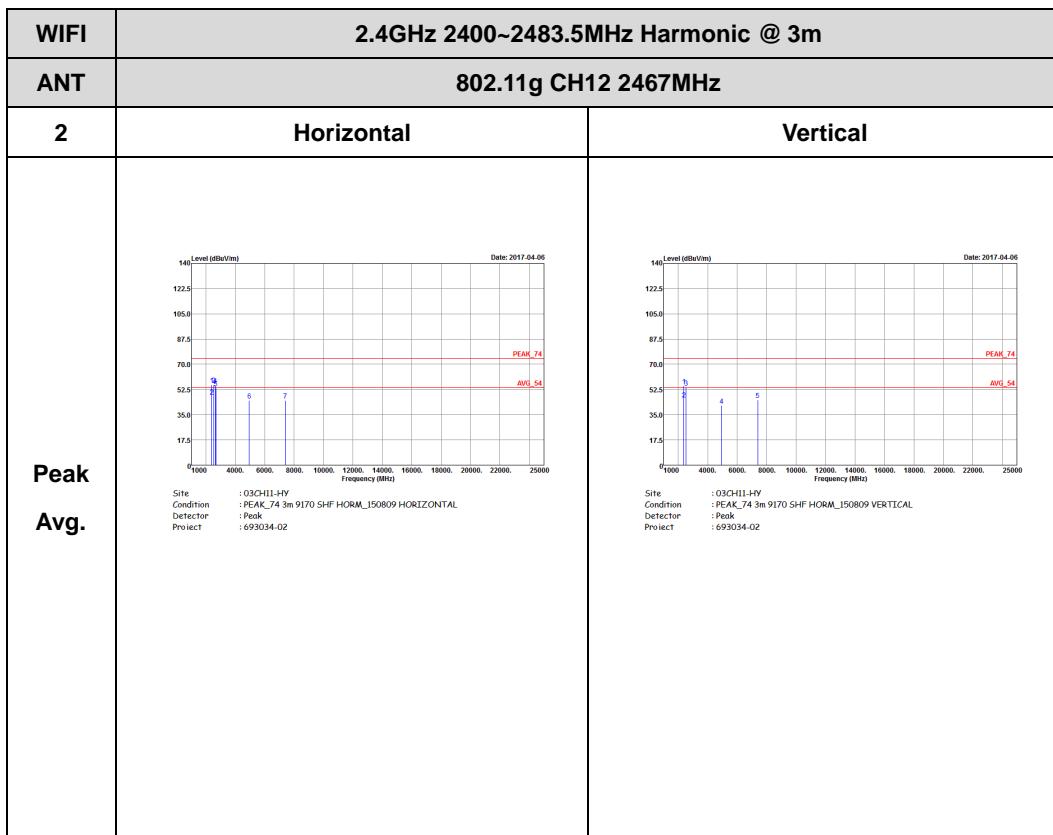
2.4GHz 2400~2483.5MHz

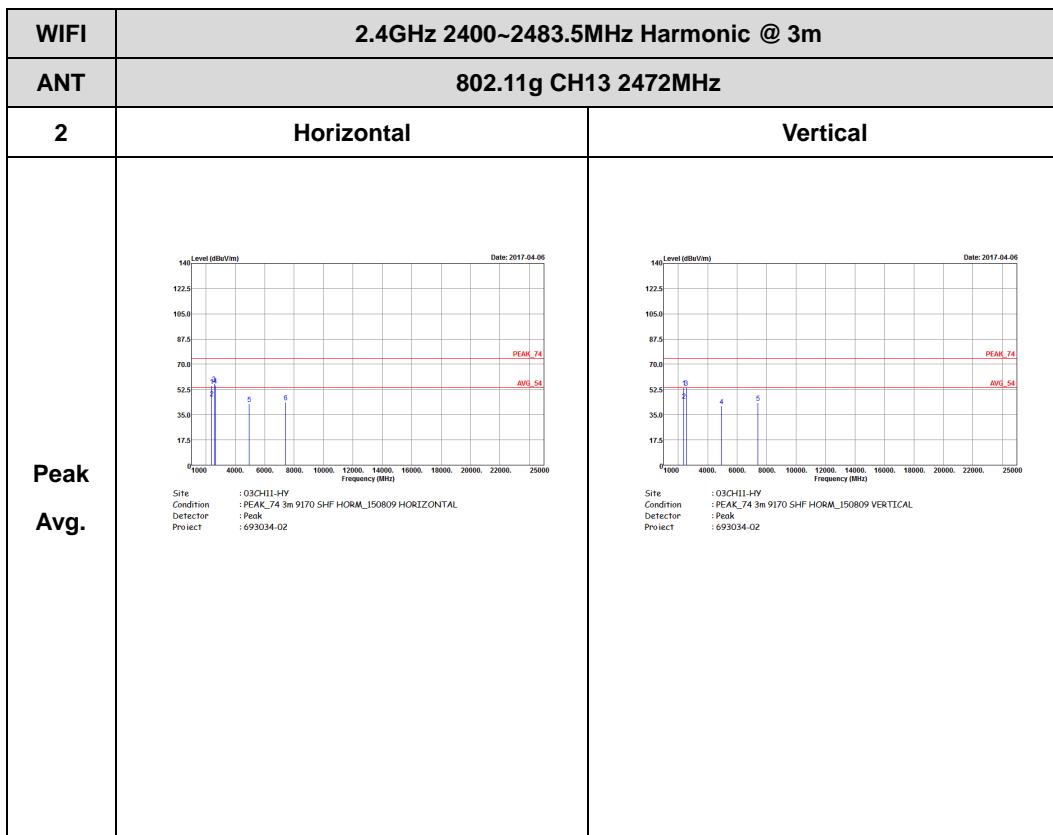
WIFI 802.11g (Harmonic @ 3m)







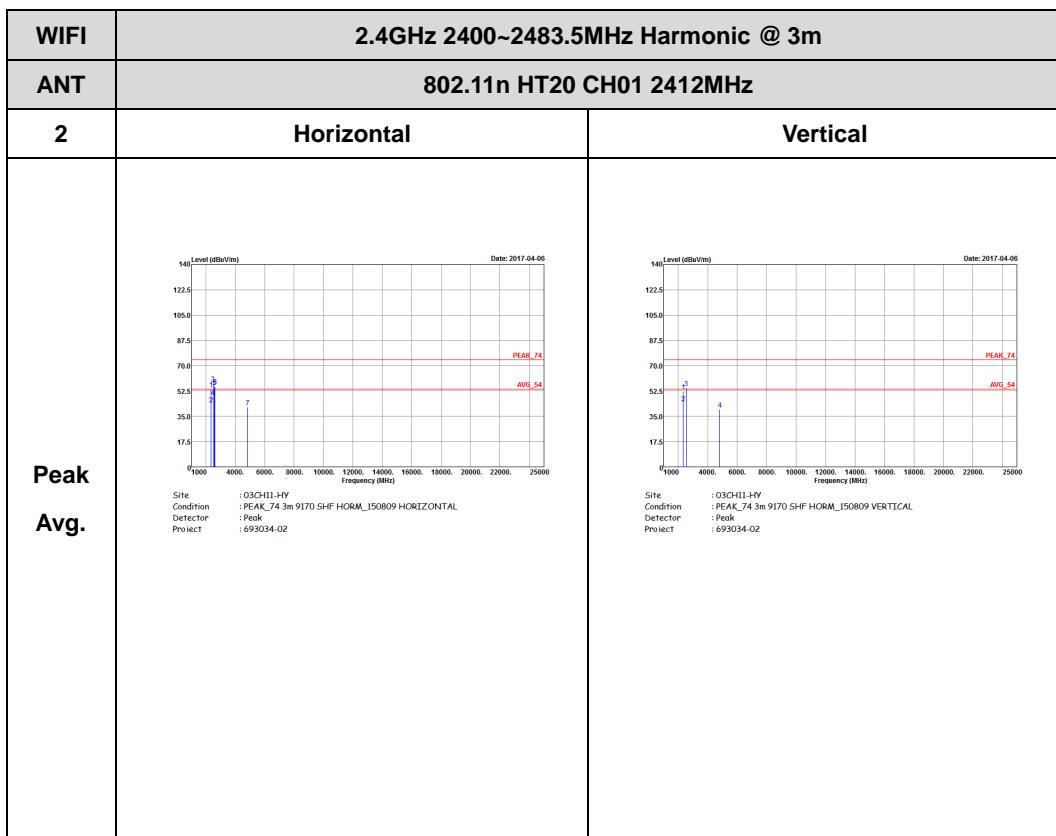


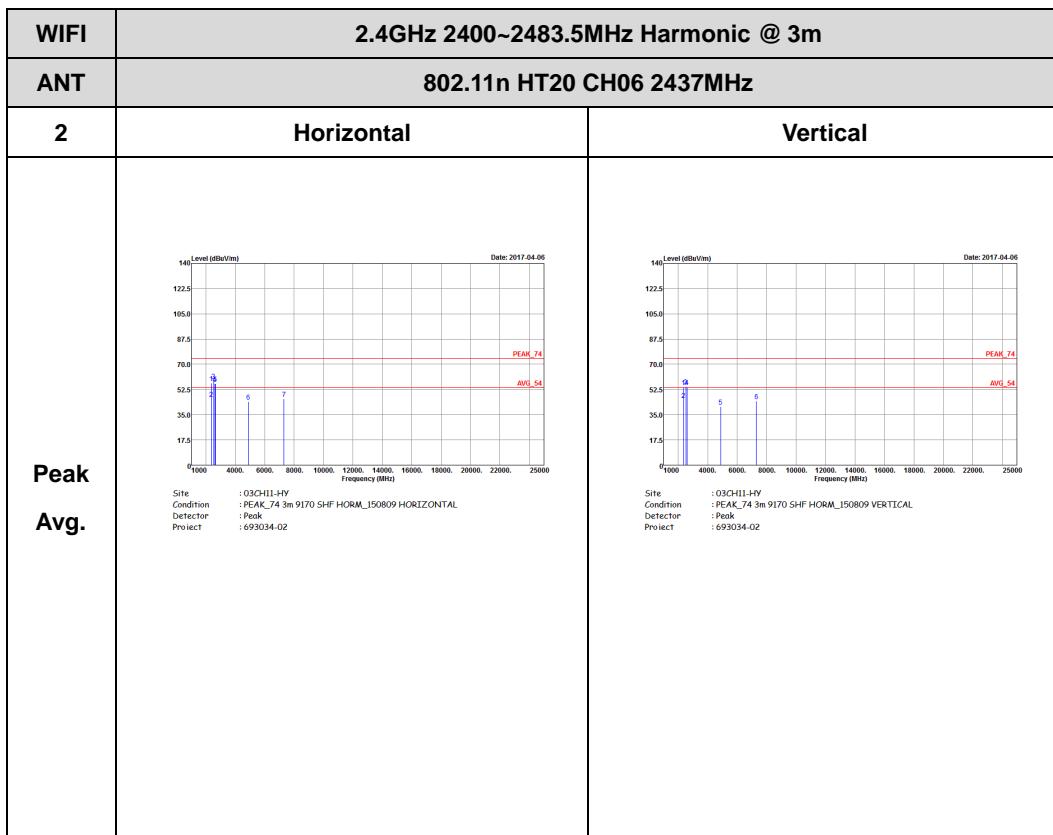


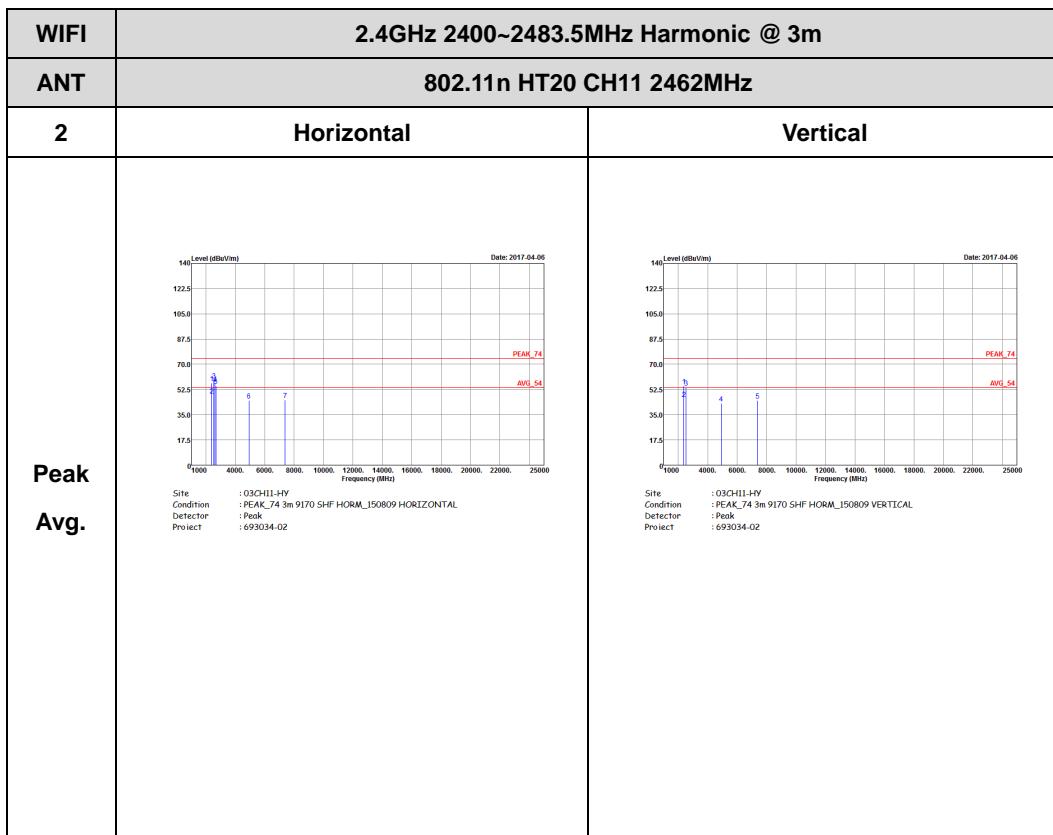


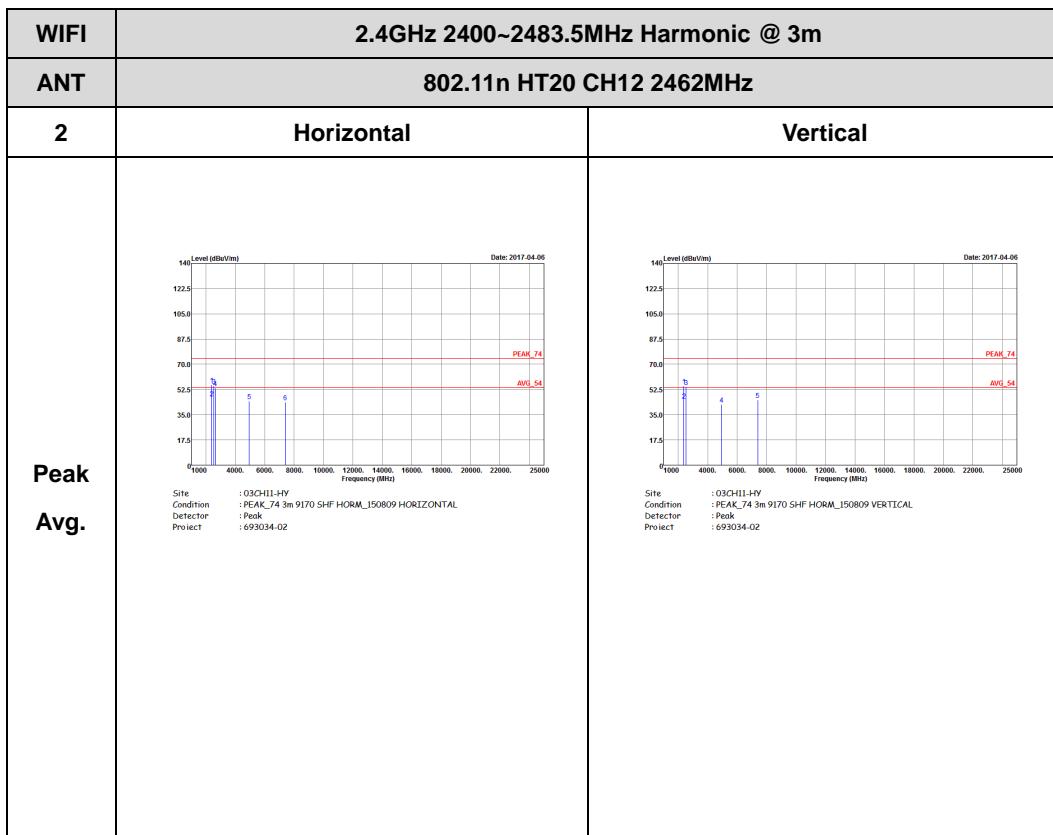
2.4GHz 2400~2483.5MHz

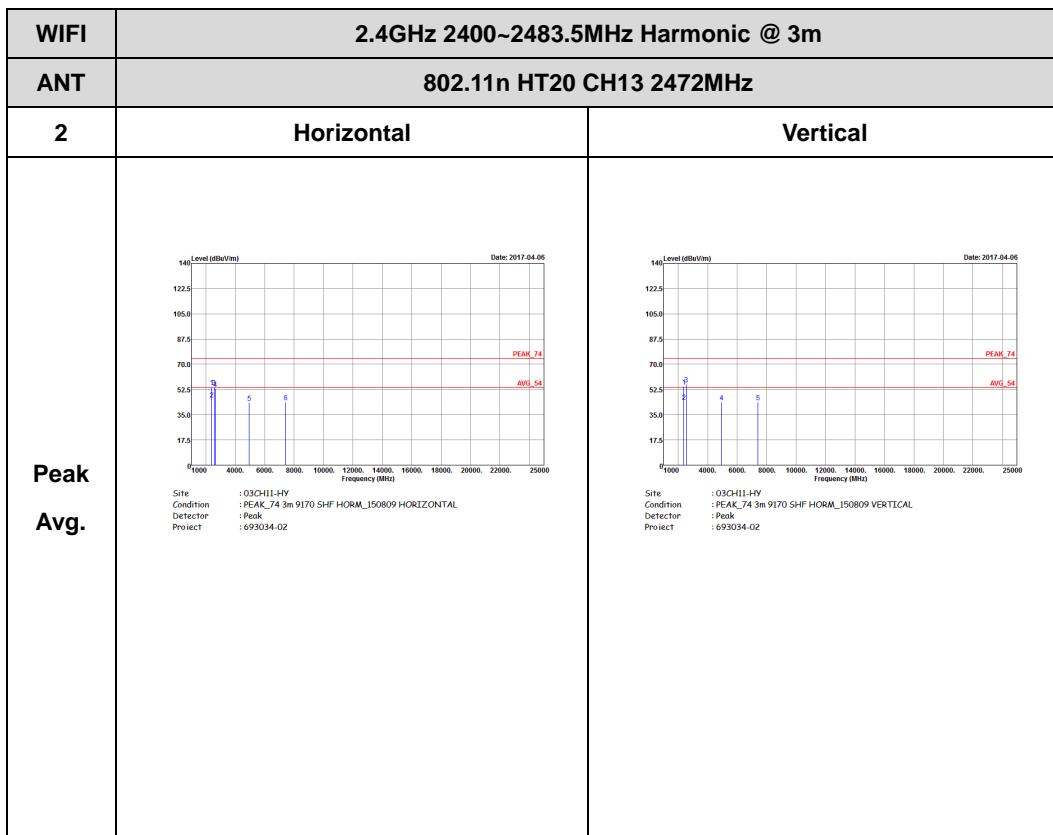
WIFI 802.11n HT20 (Harmonic @ 3m)





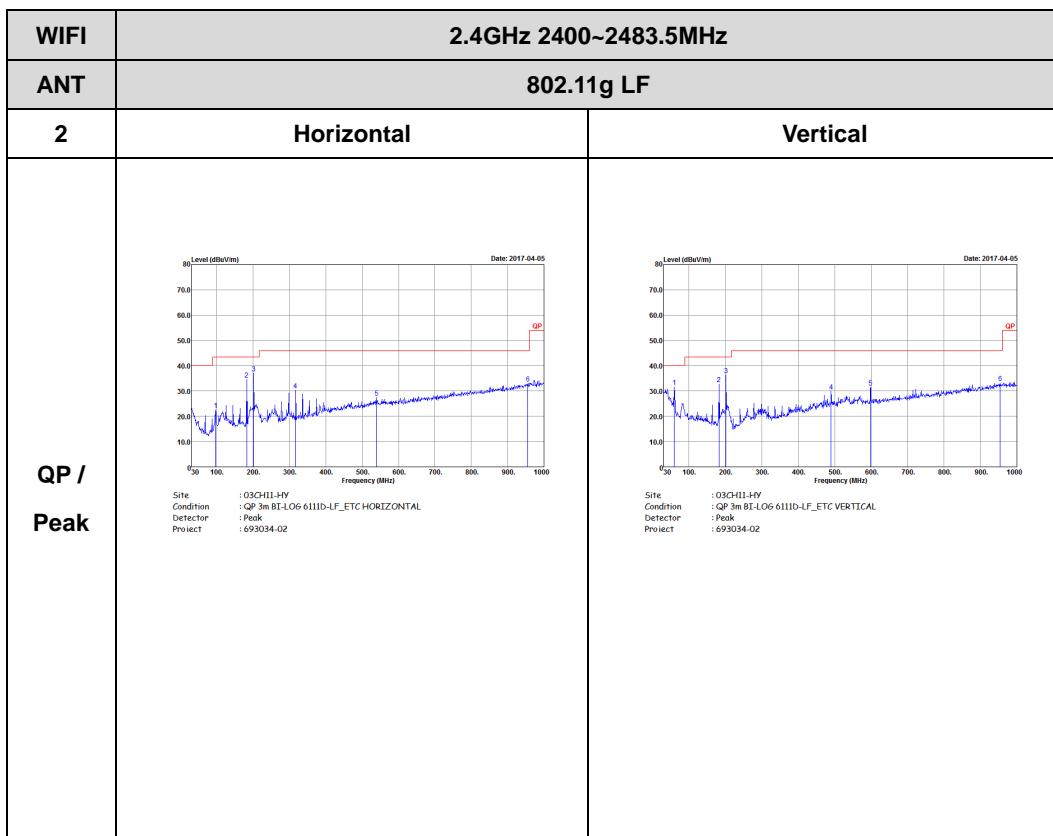








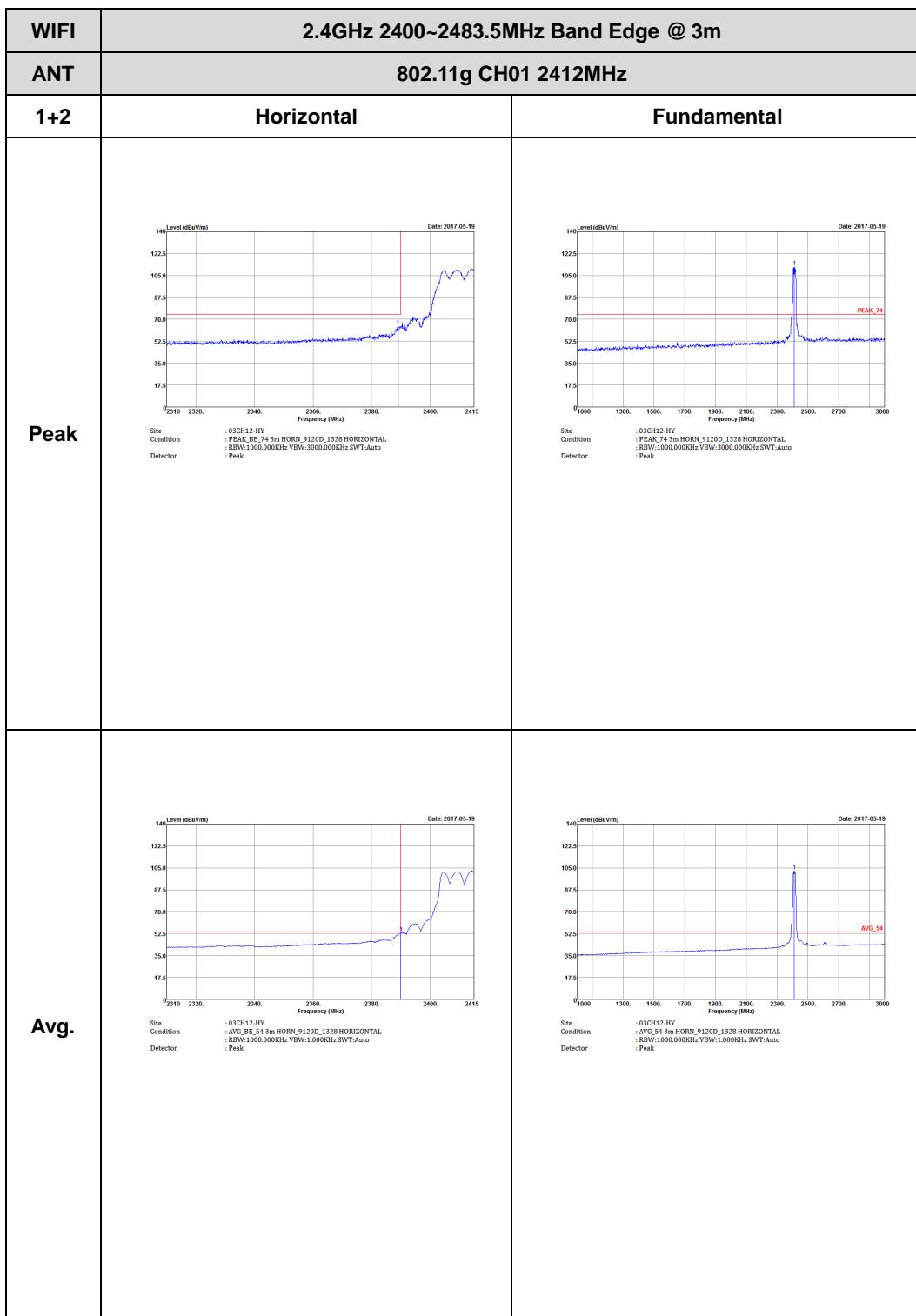
Emission below 1GHz
2.4GHz WIFI 802.11g (LF)

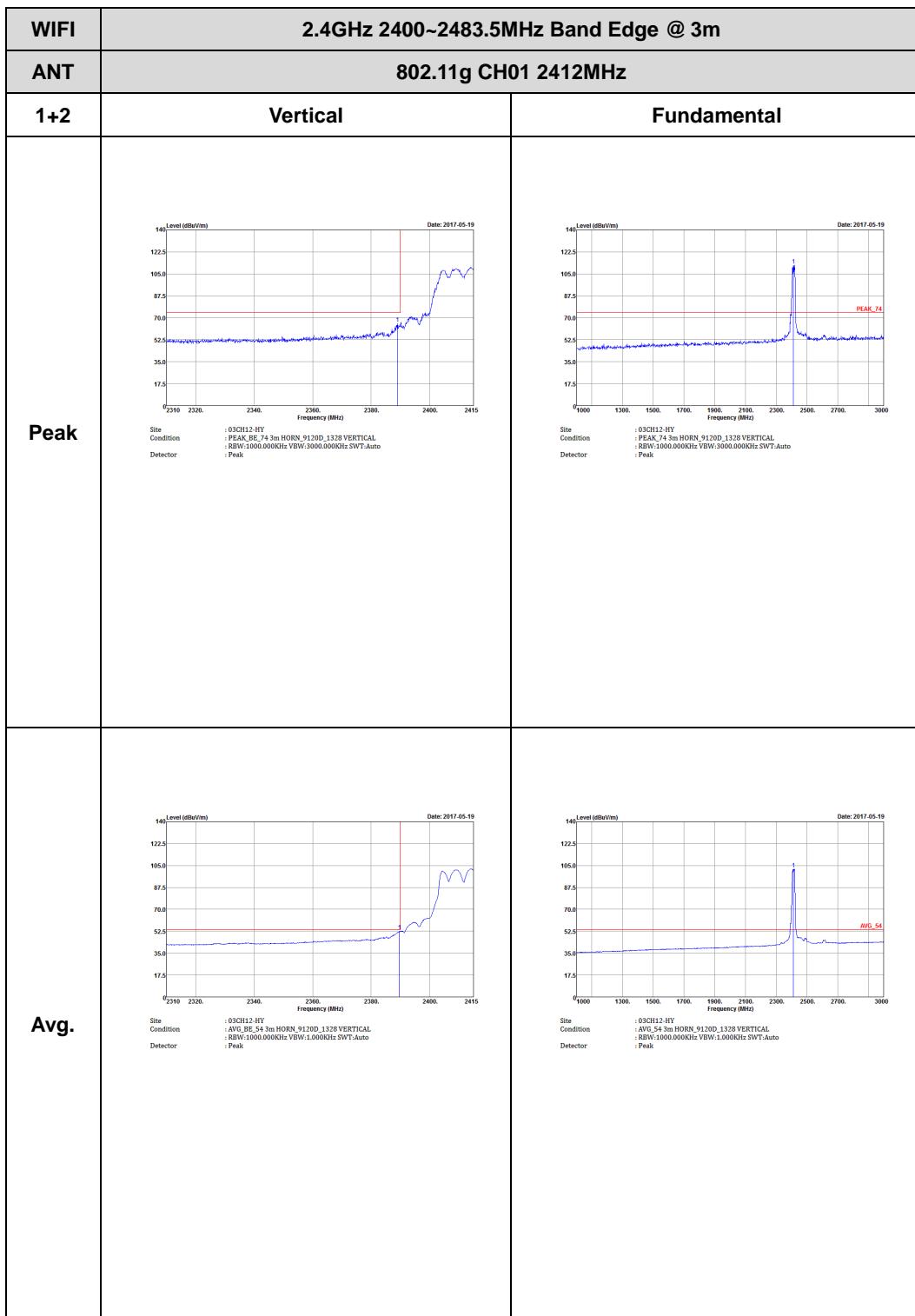


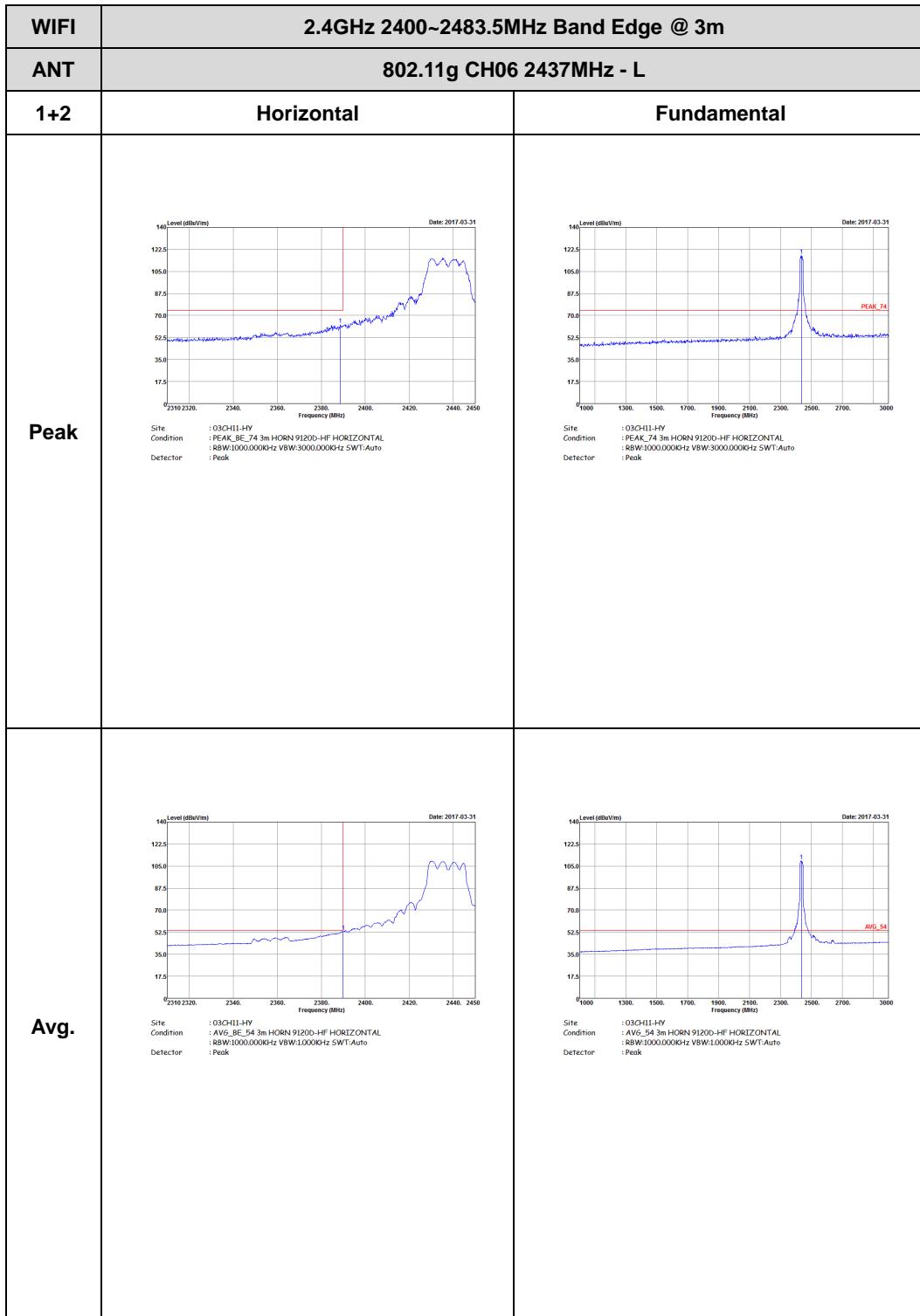


2.4GHz 2400~2483.5MHz

WIFI 802.11g (Band Edge @ 3m)

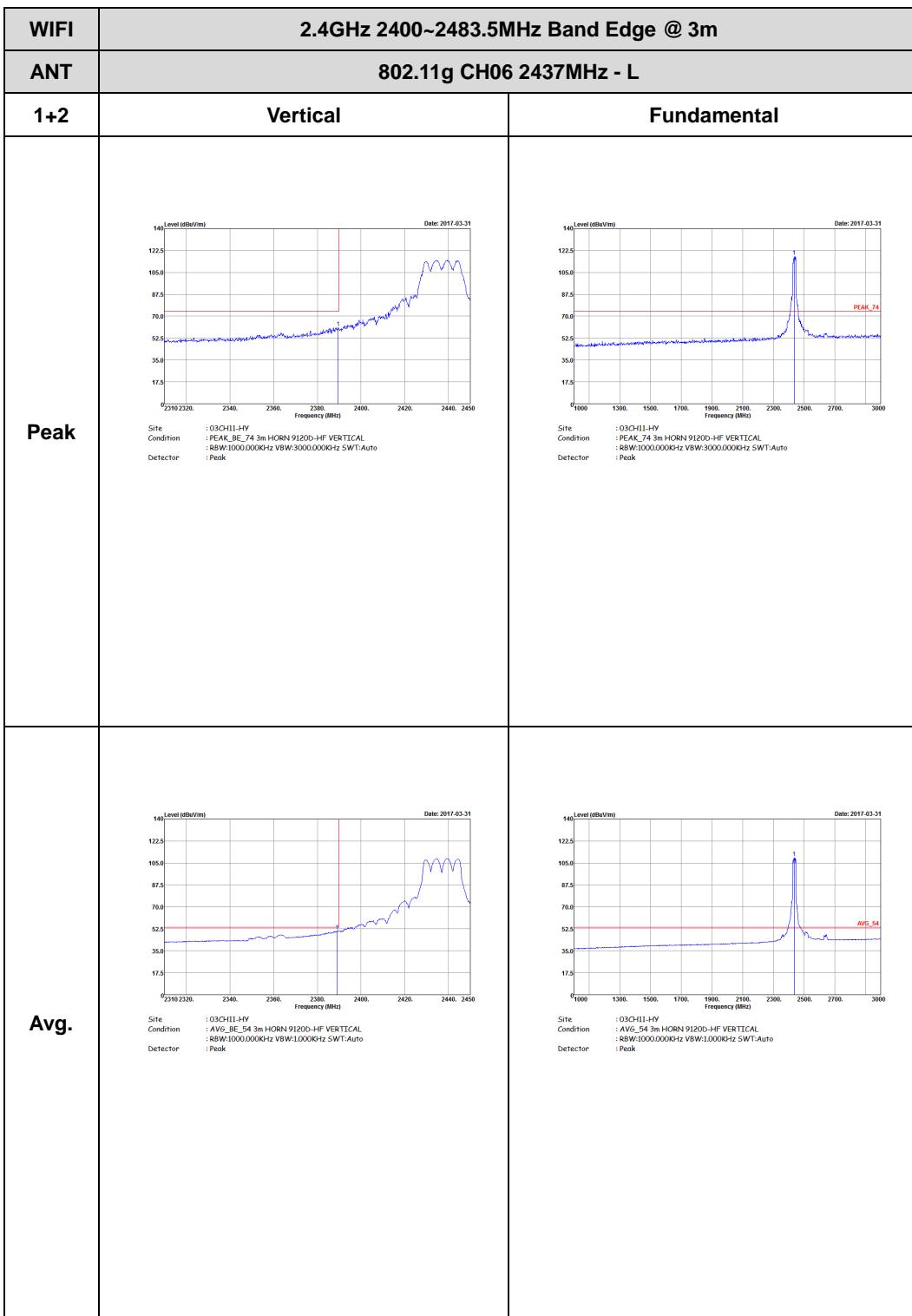




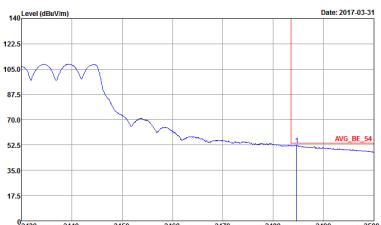


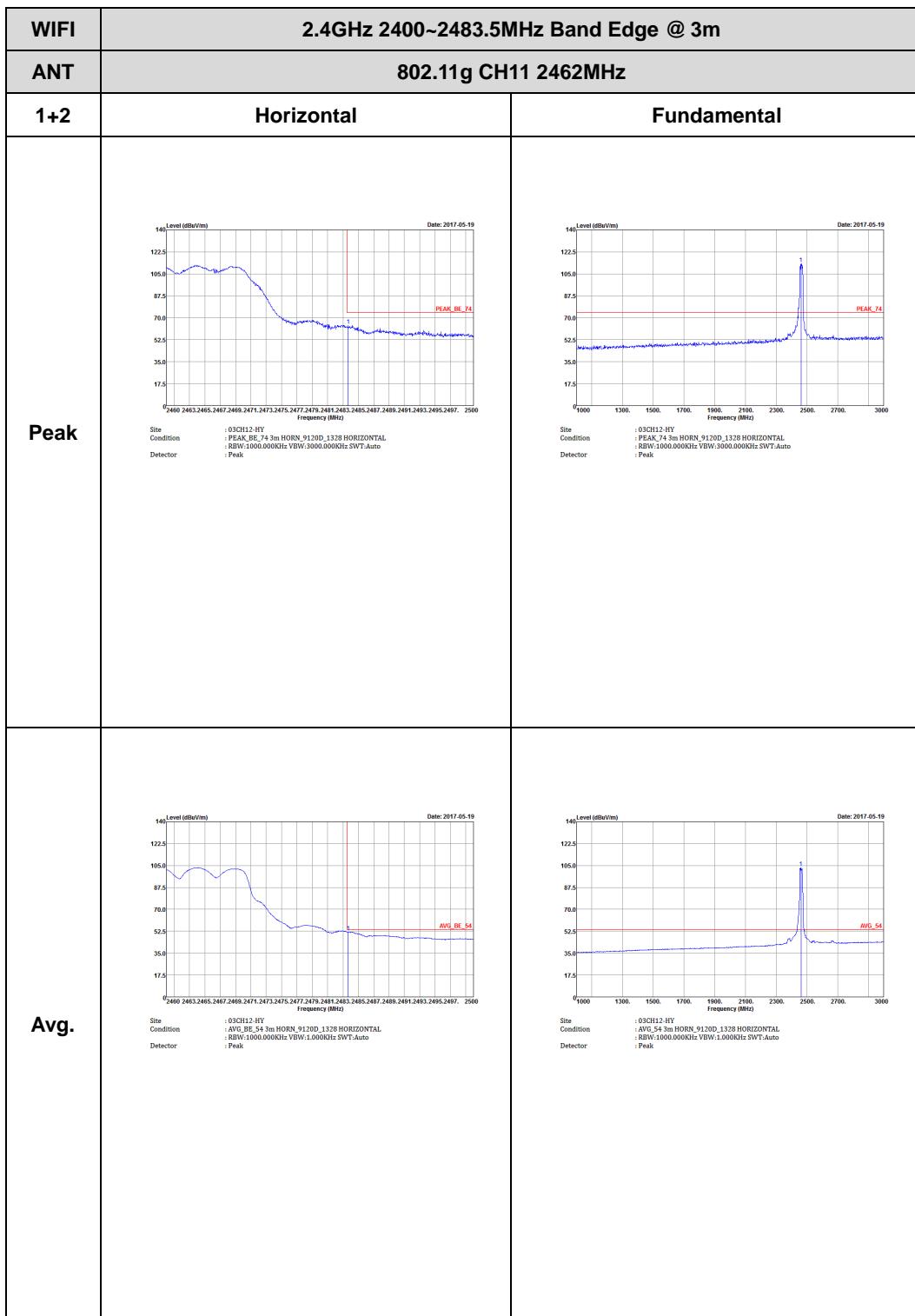


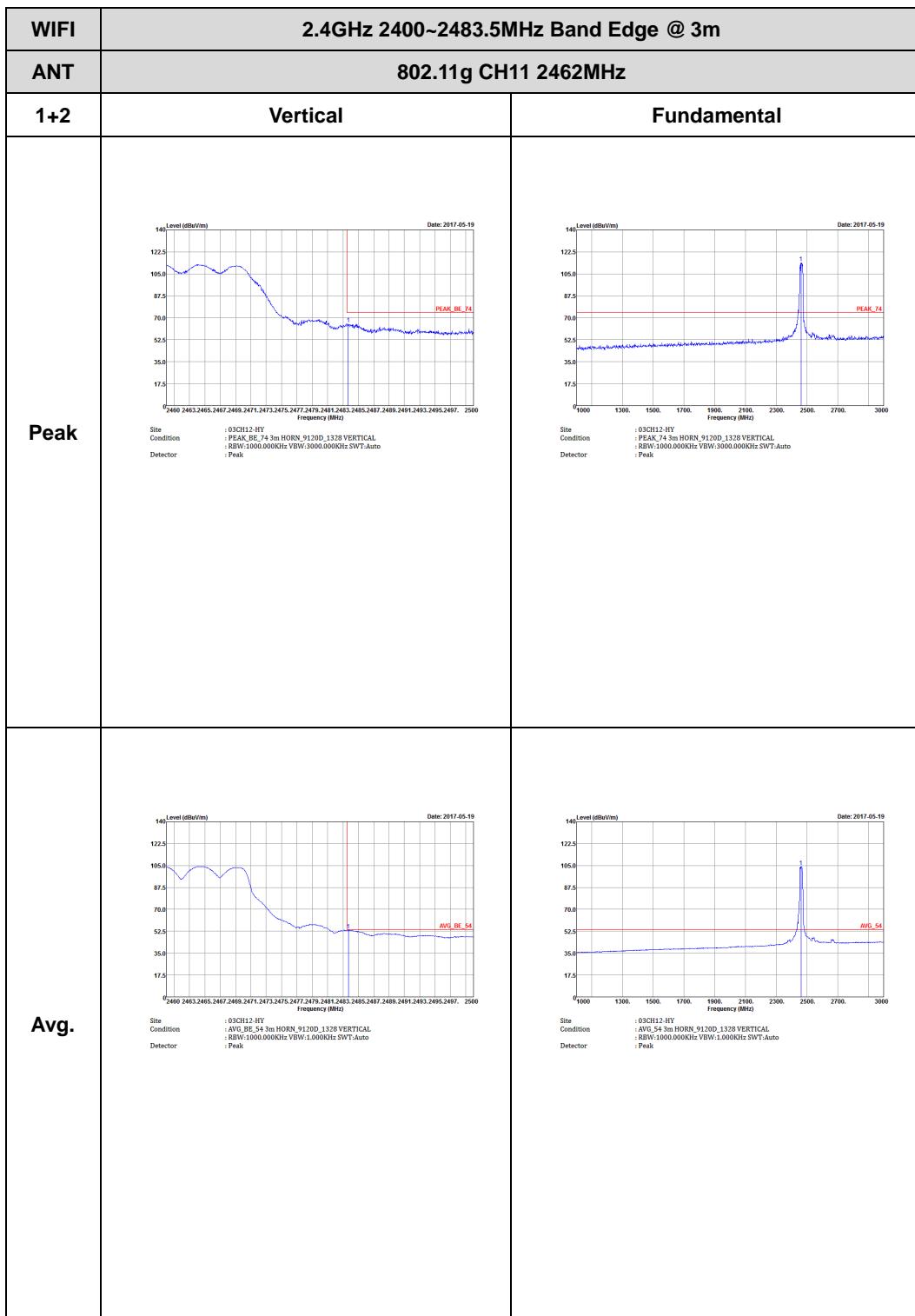
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak</p>	Left blank
Avg.	<p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak</p>	Left blank

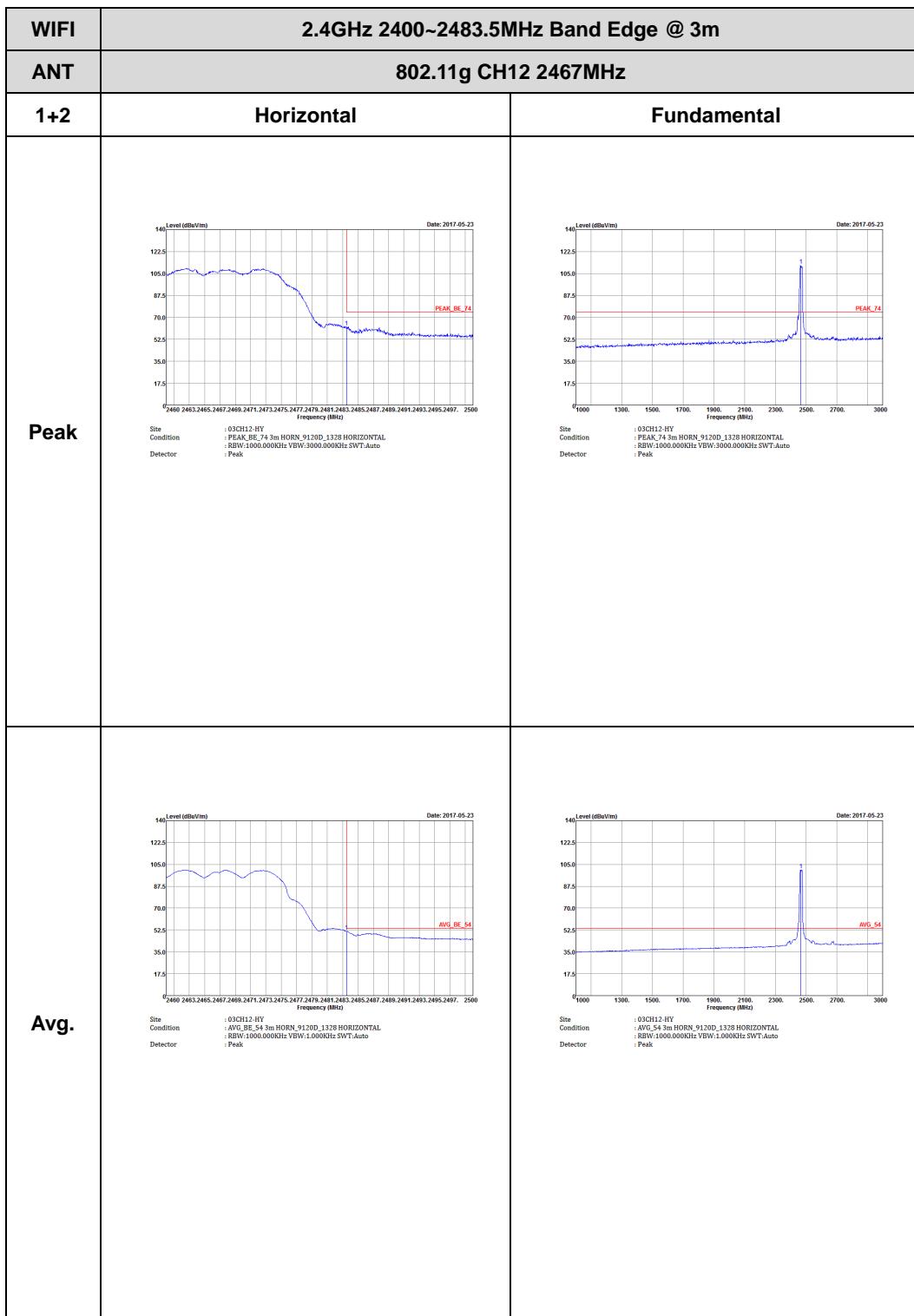


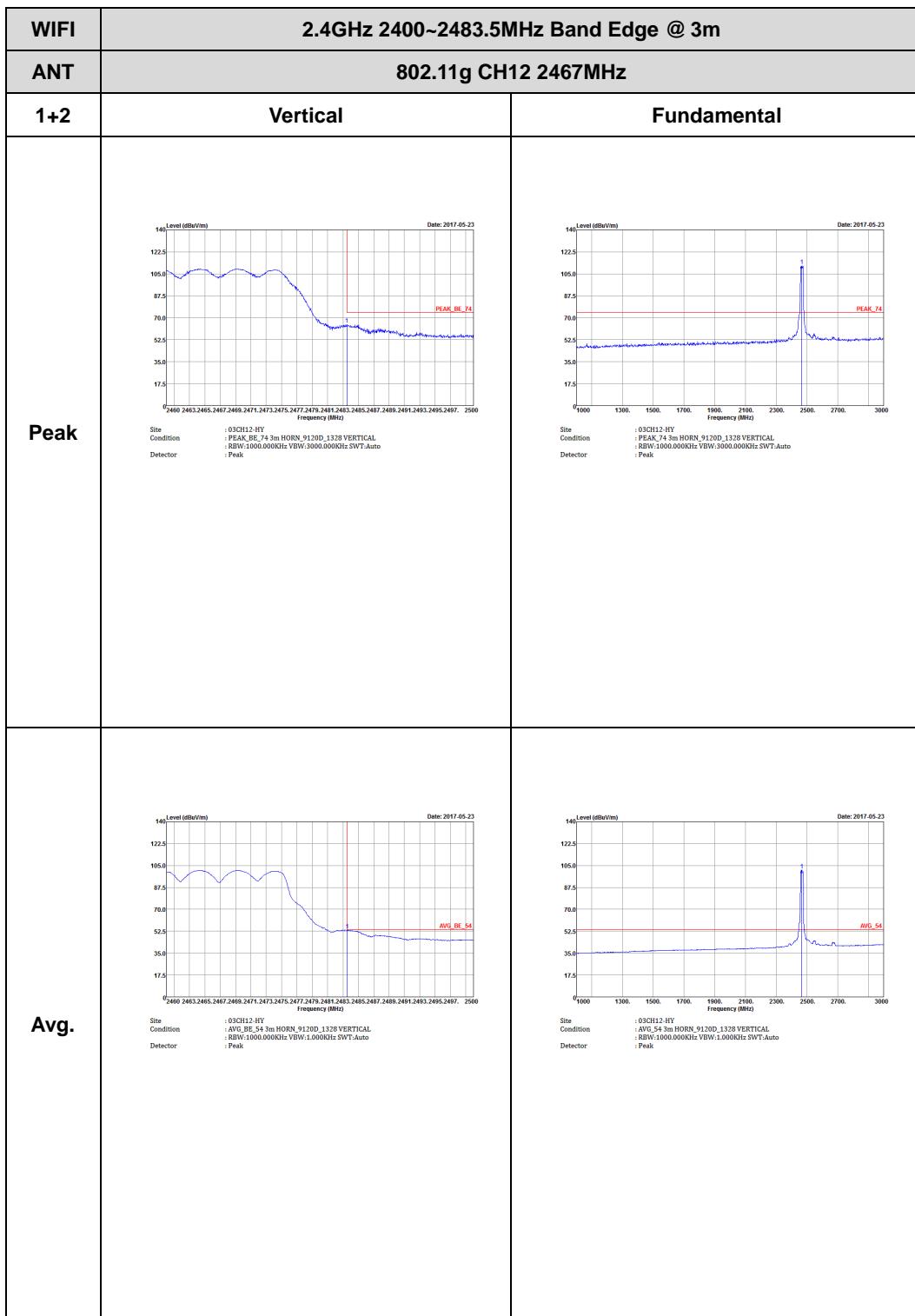


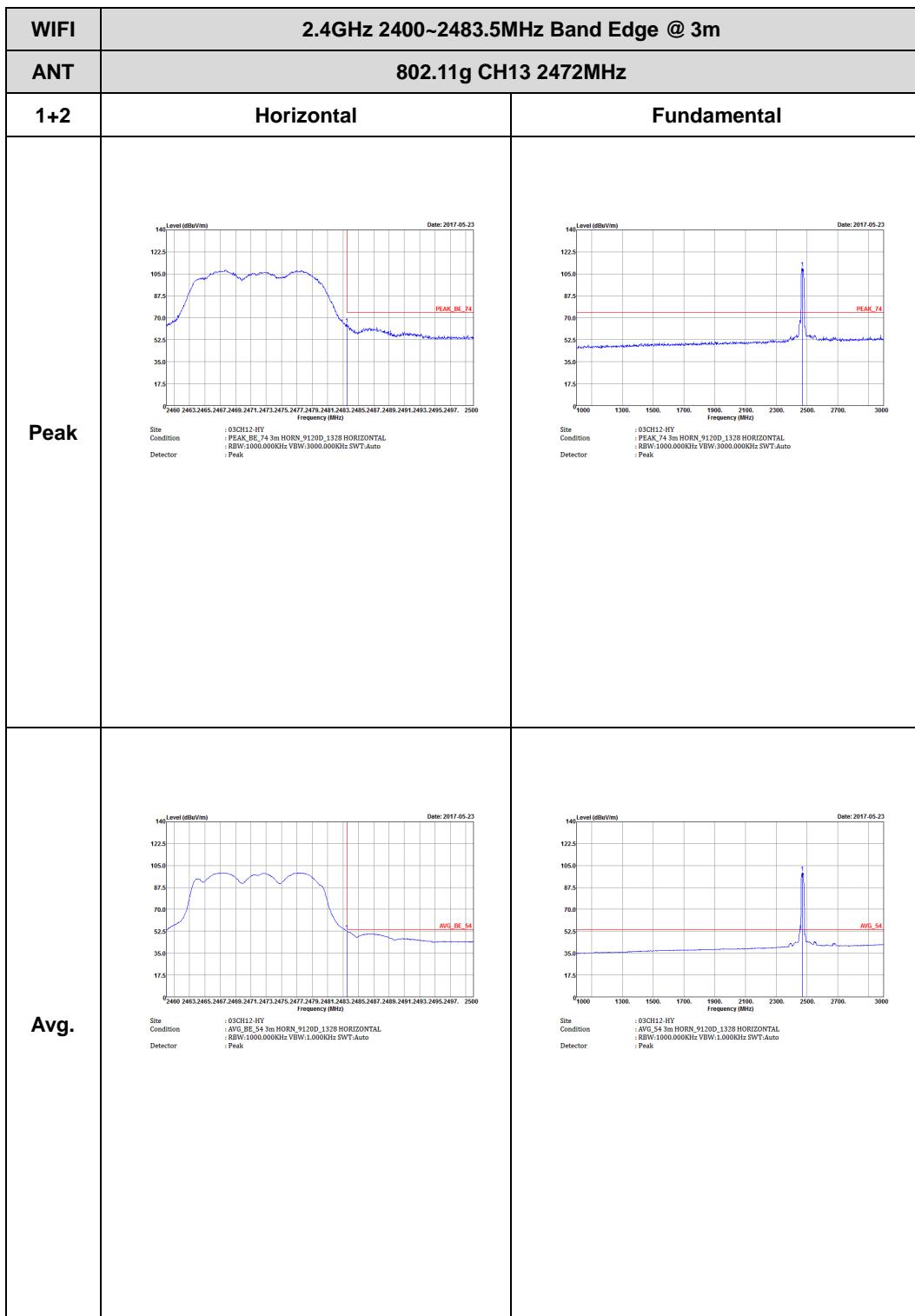
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1+2	Vertical	Fundamental
Peak	 <p>Level (dBuV/m)</p> <p>Date: 2017-03-31</p> <p>Site Condition : 03CH11-HY : PEAK_BE_74 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak</p>	Left Blank
Avg.	 <p>Level (dBuV/m)</p> <p>Date: 2017-03-31</p> <p>Site Condition : 03CH11-HY : AVG_BE_54 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWF:Auto Detector : Peak</p>	Left Blank

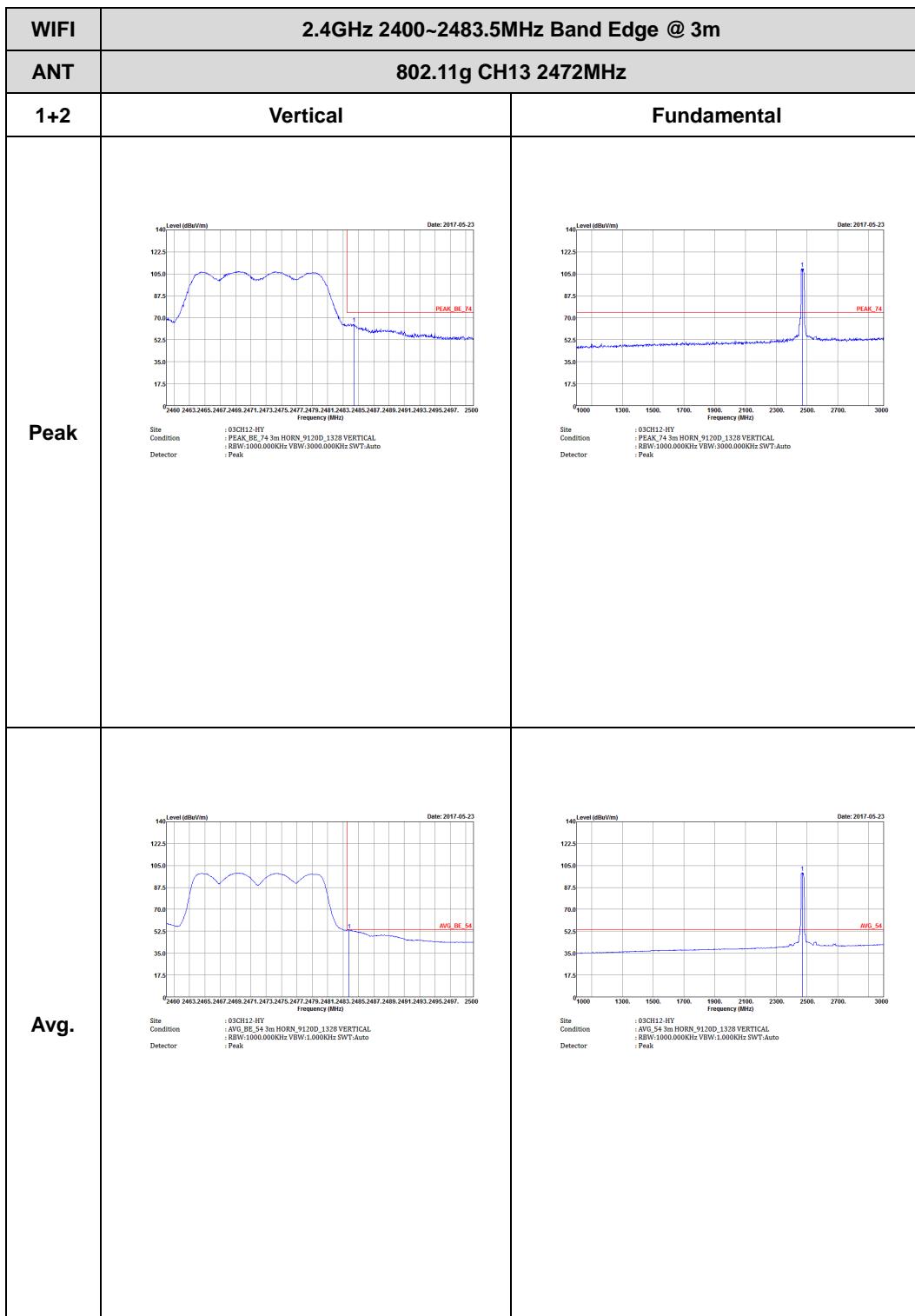








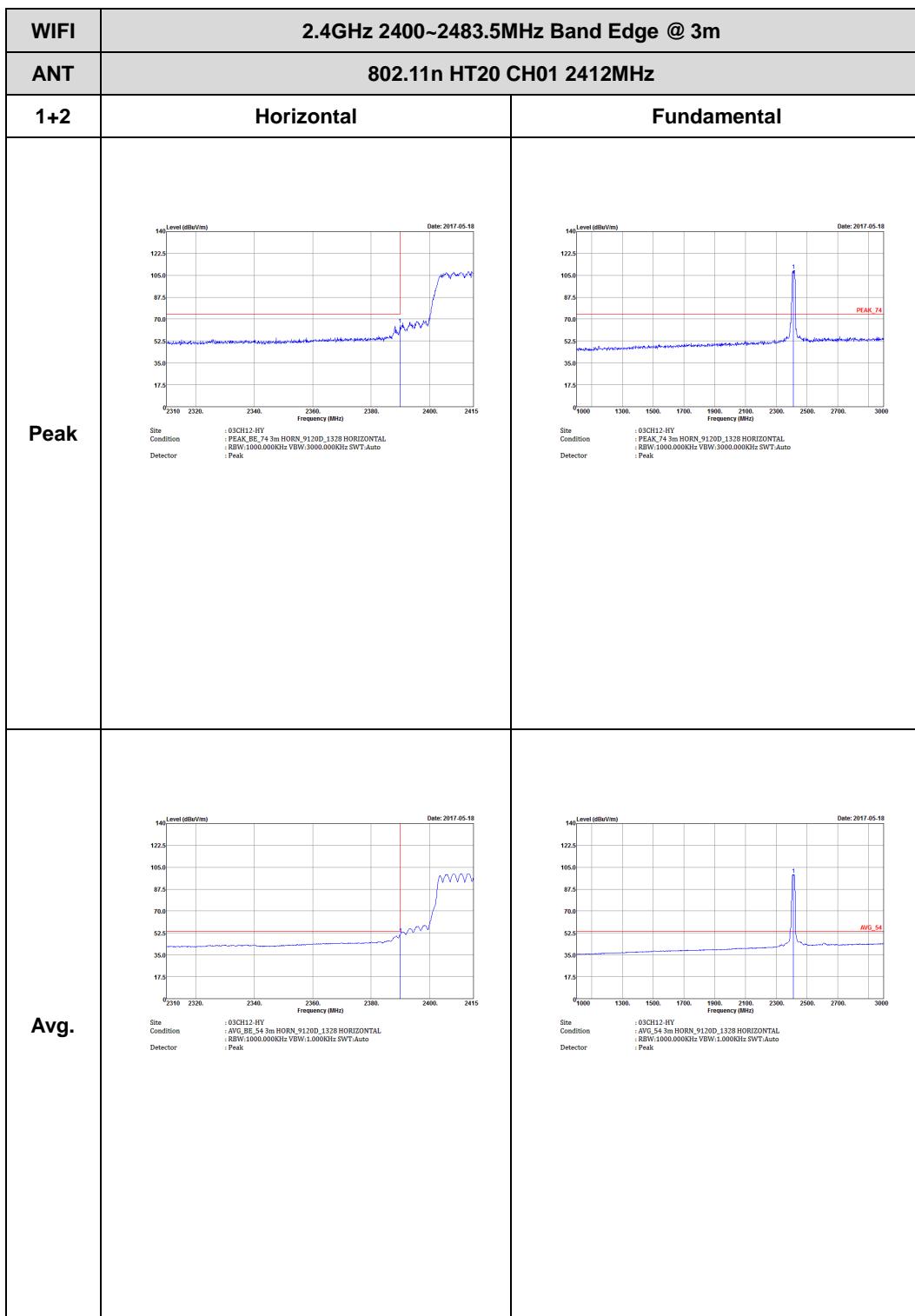


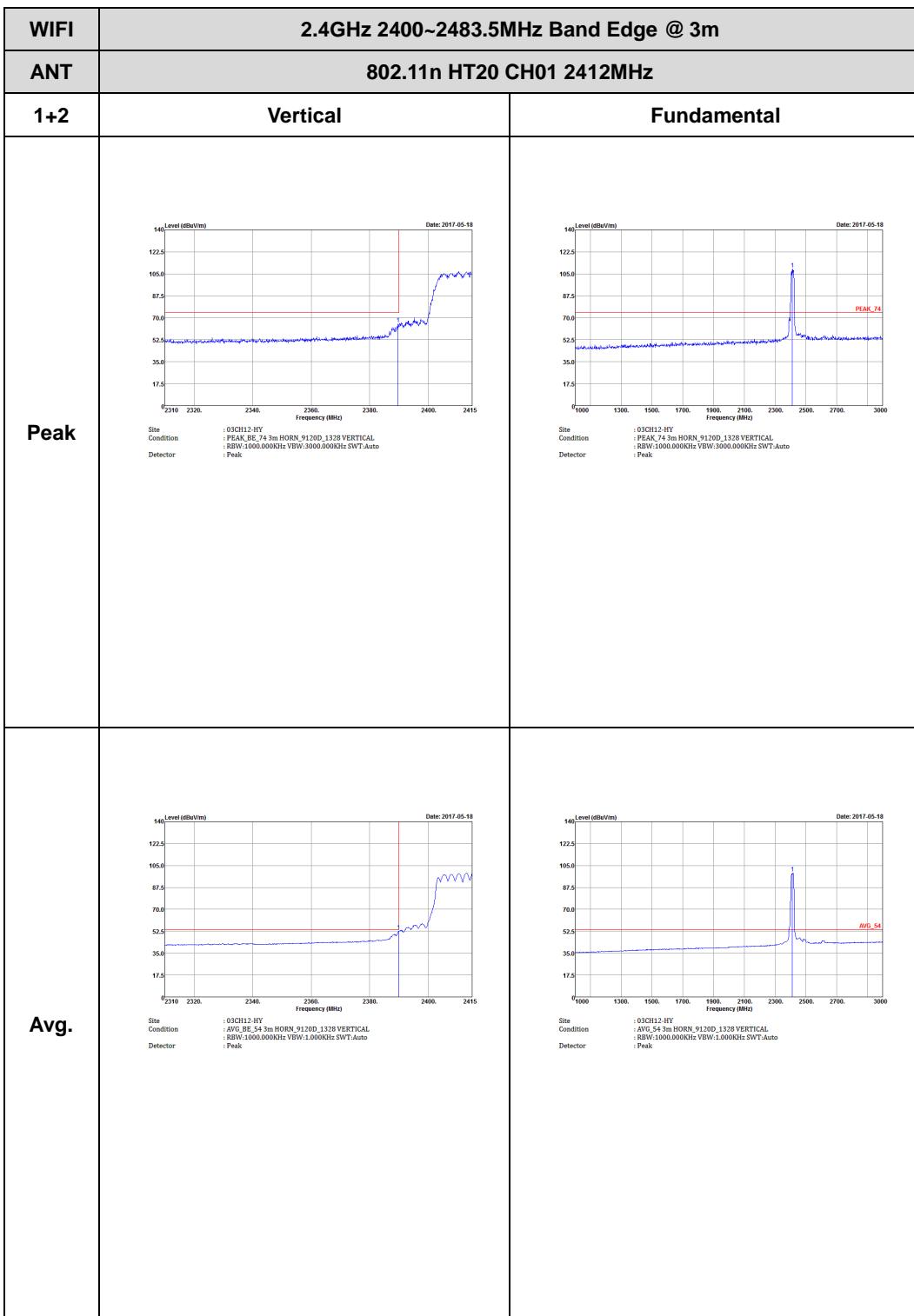


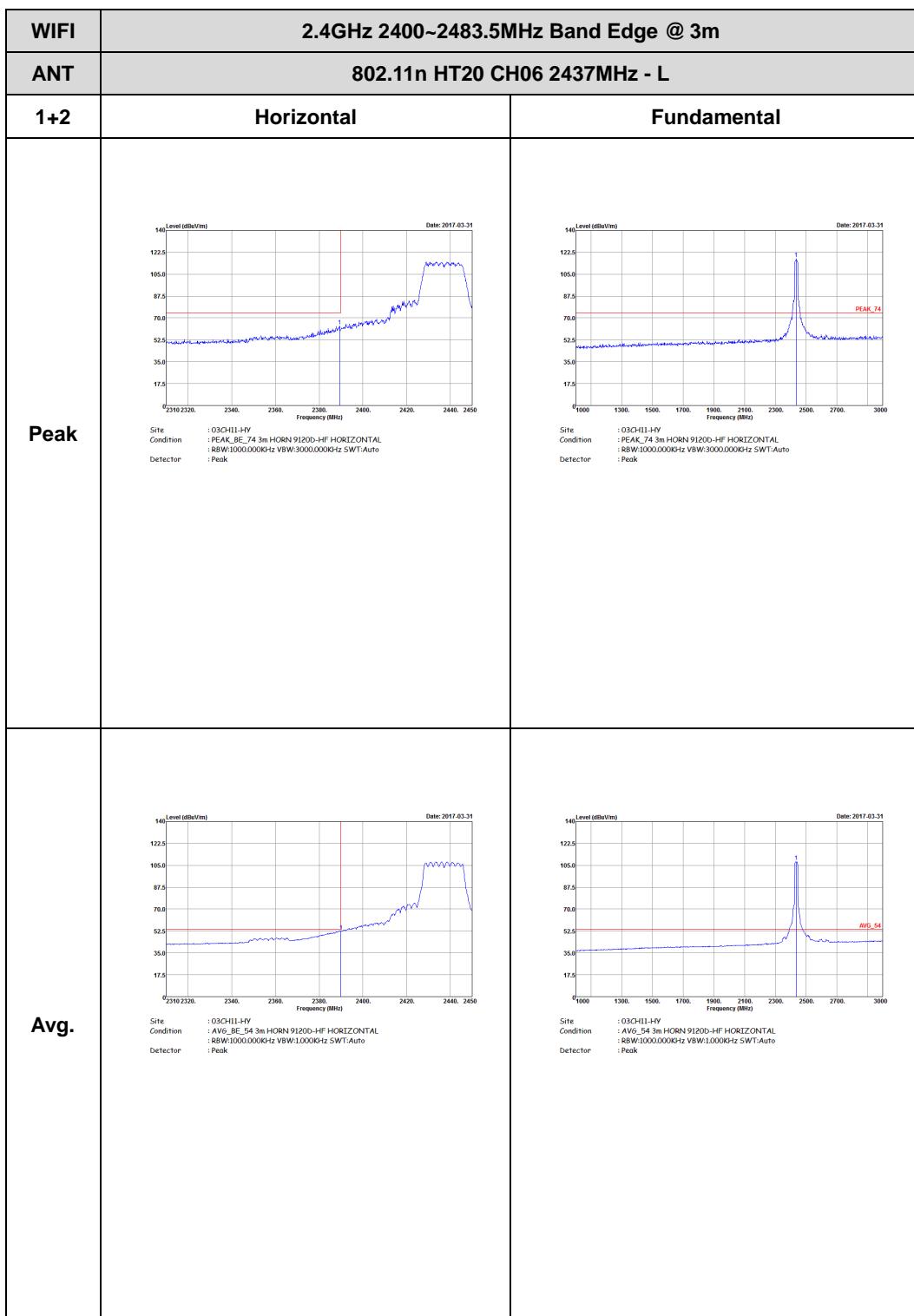


2.4GHz 2400~2483.5MHz

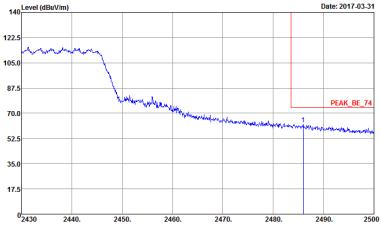
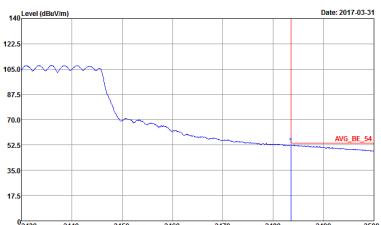
WIFI 802.11n HT20 (Band Edge @ 3m)

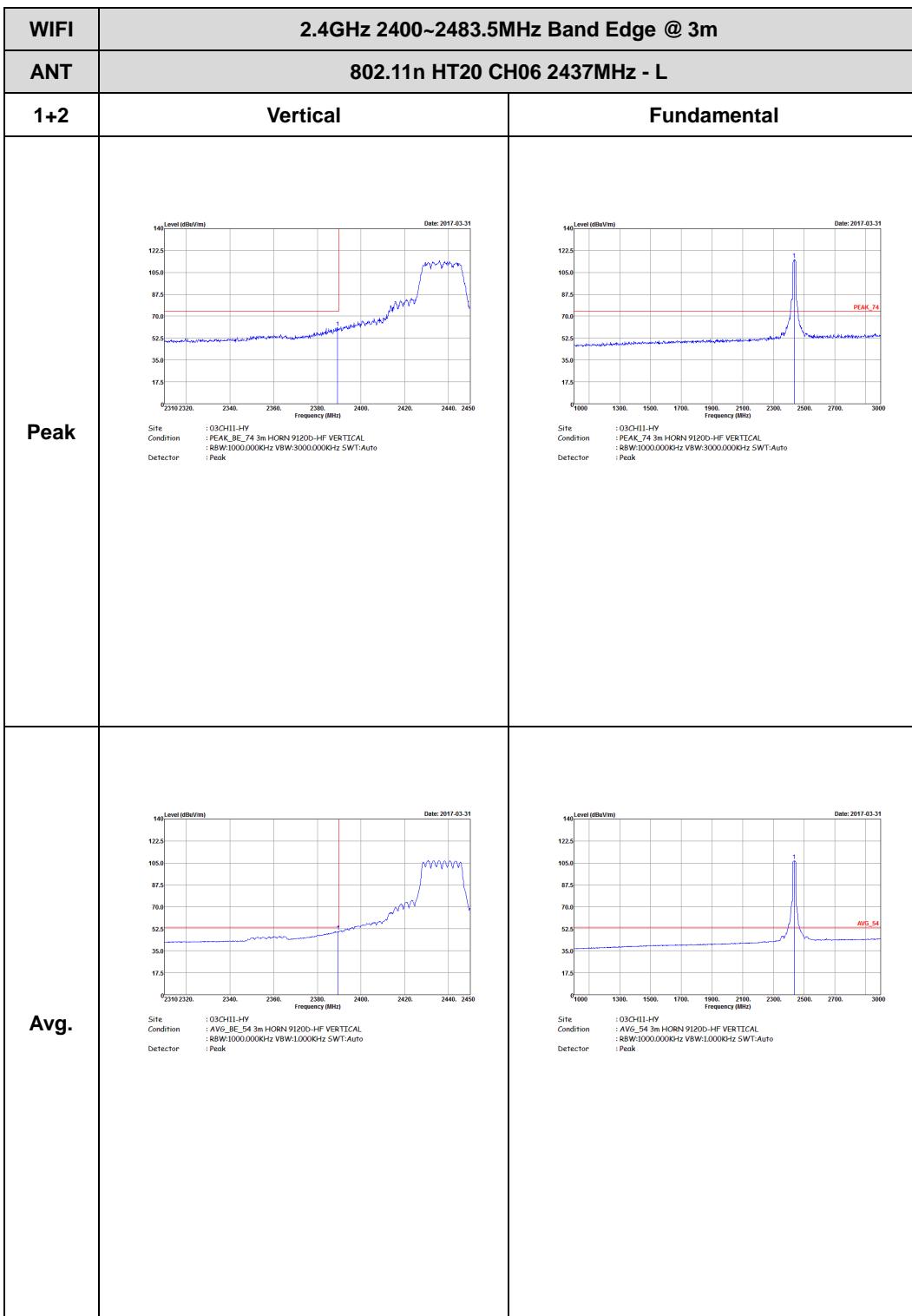




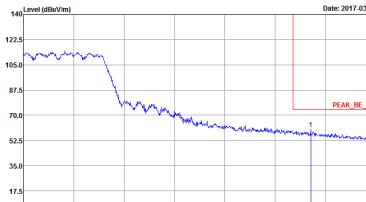
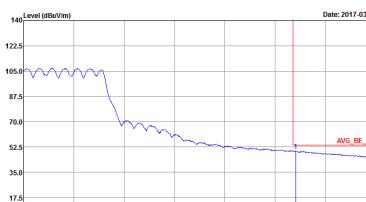


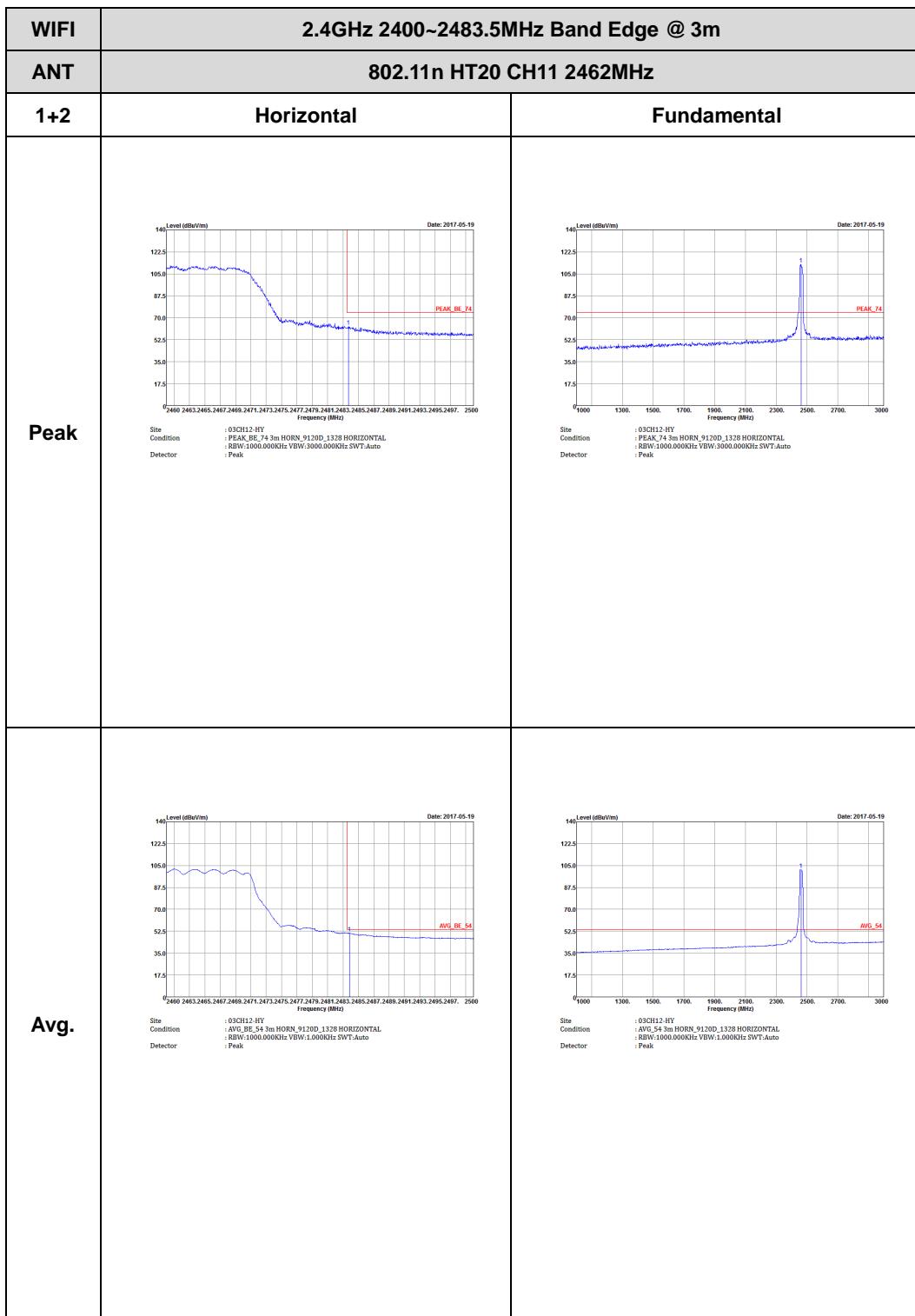


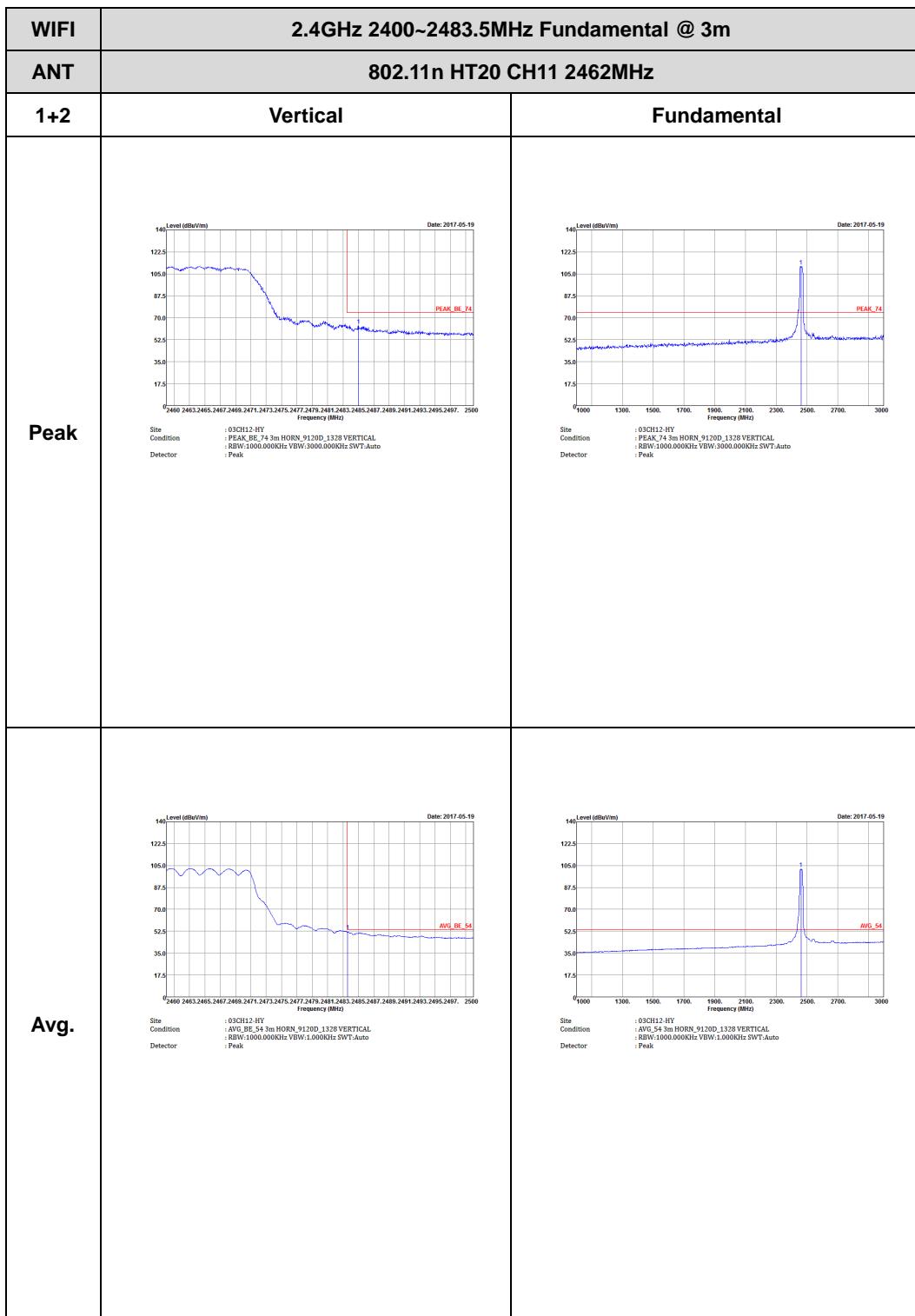
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL : RBW:1000.0000Hz VBW:3000.0000Hz SWF:Auto Detector : Peak</p>	Left blank
Avg.	 <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL : RBW:1000.0000Hz VBW:1.0000Hz SWF:Auto Detector : Peak</p>	Left blank

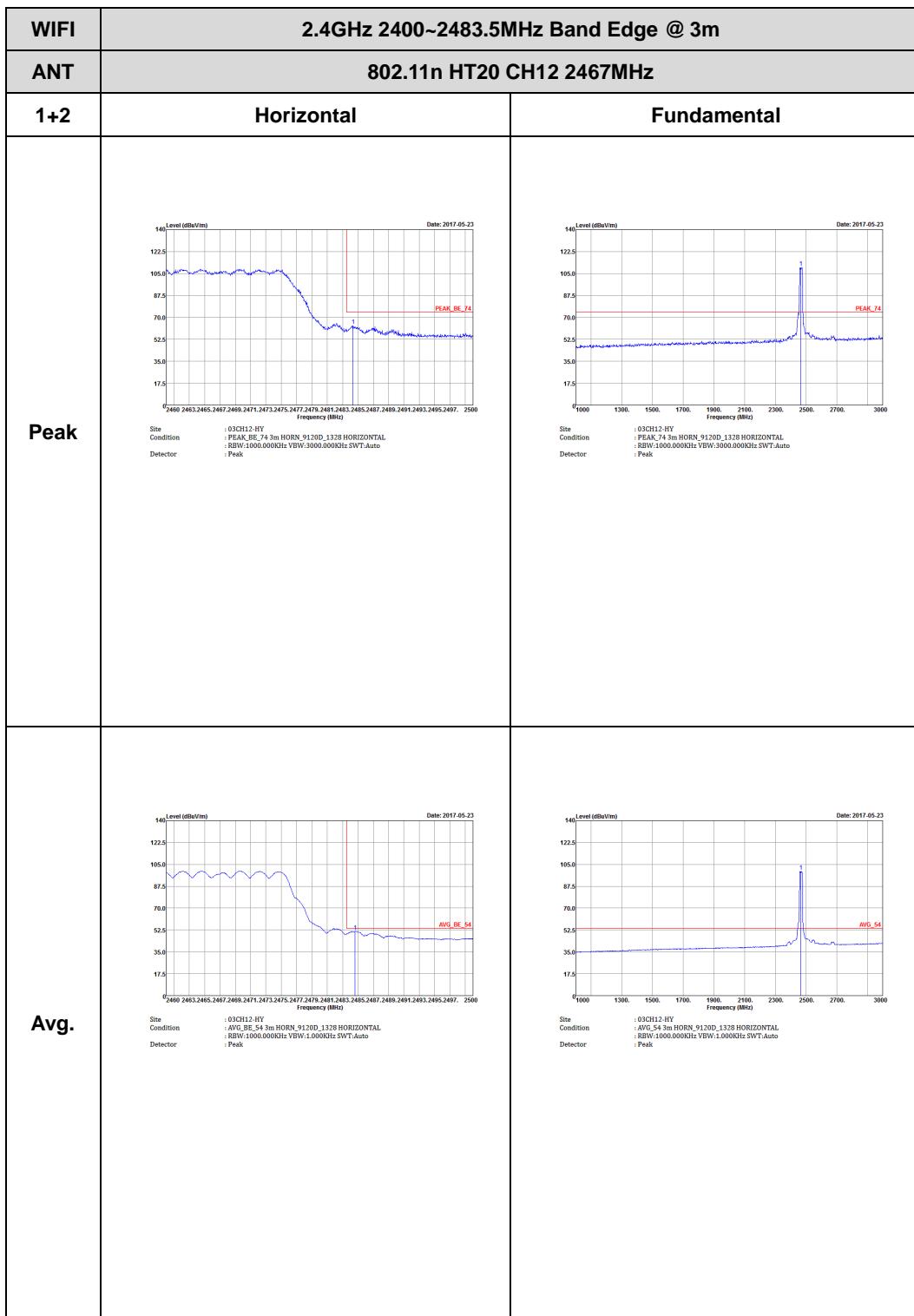


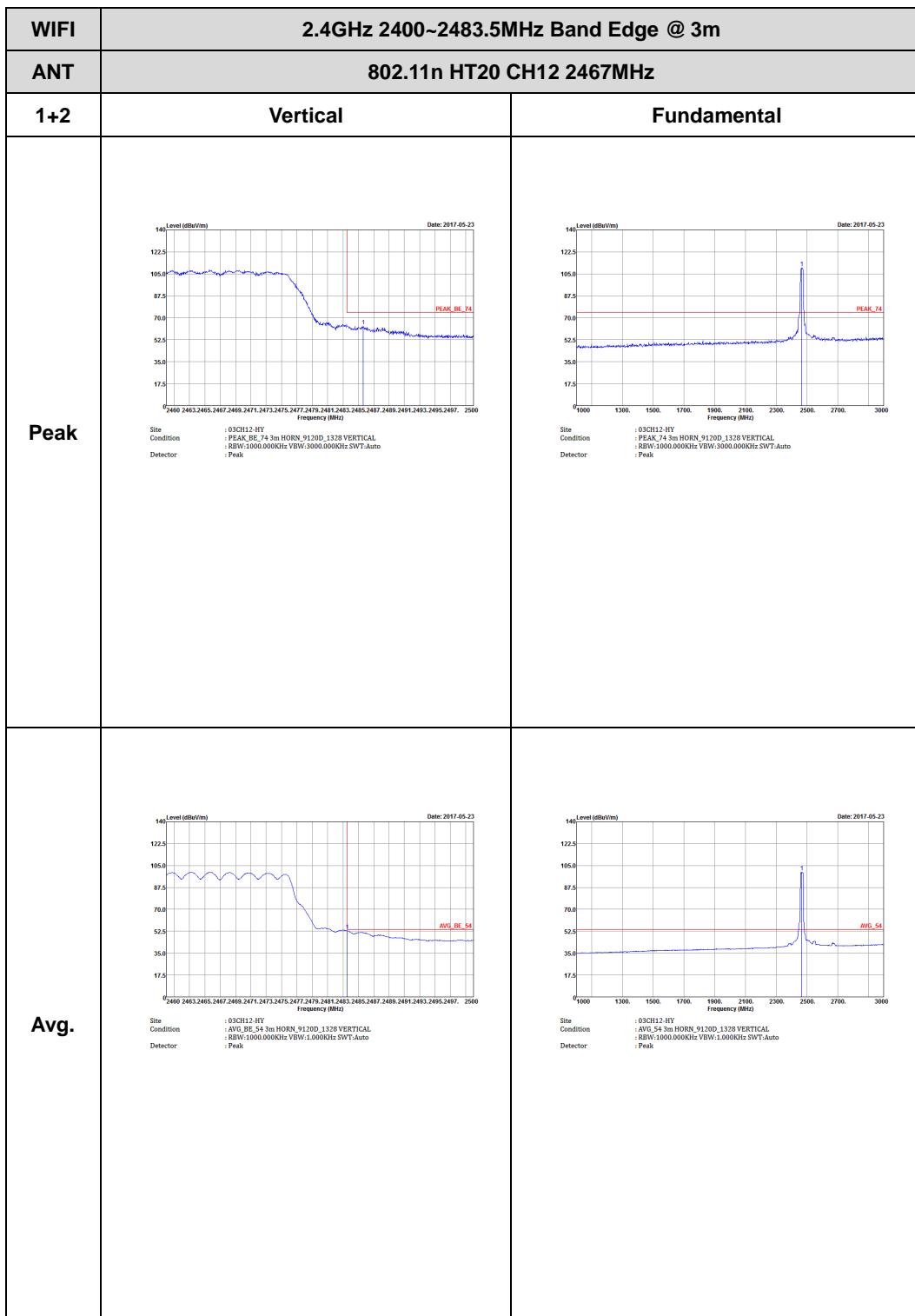


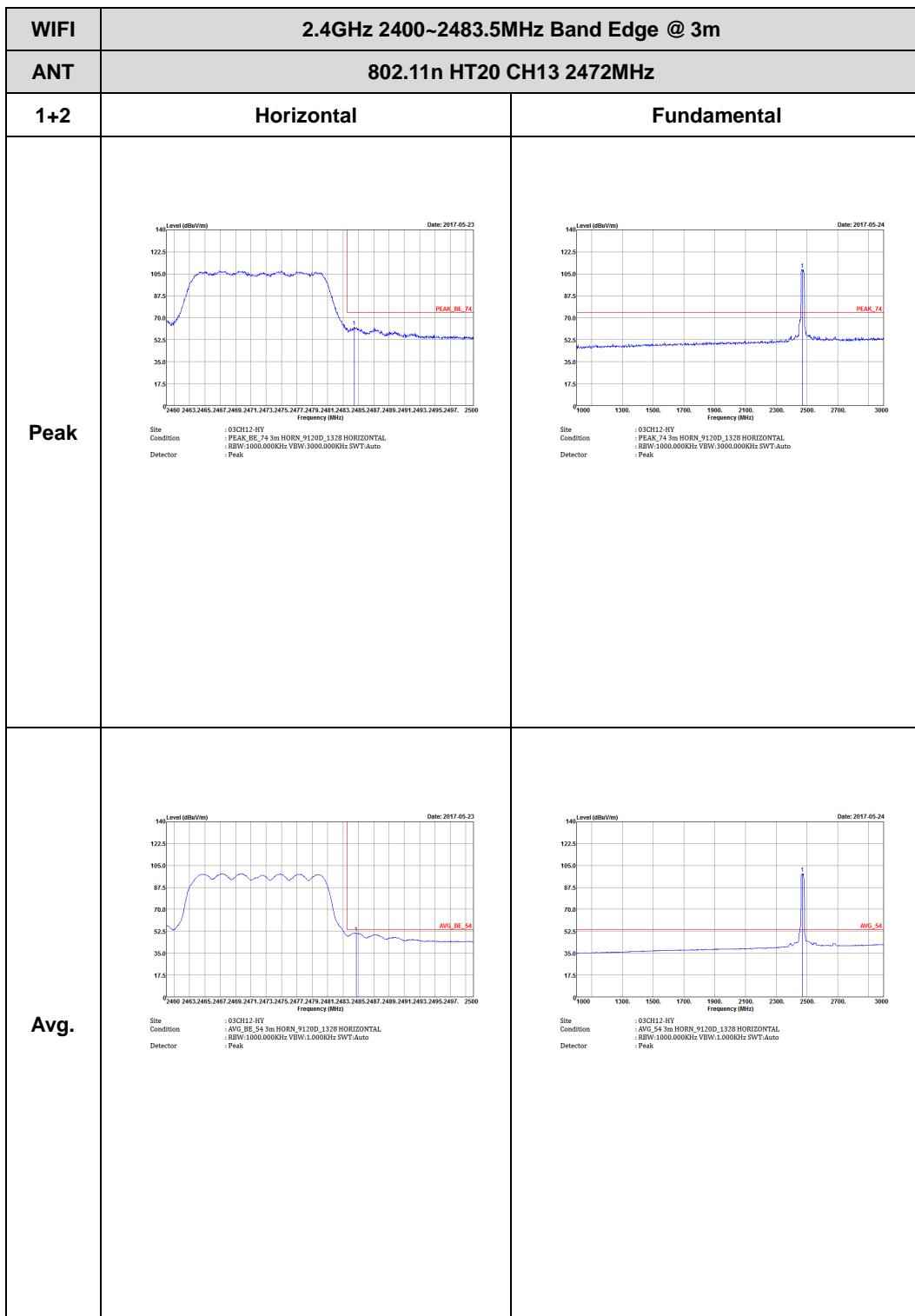
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak</p>	Left Blank
Avg.	 <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWF:Auto Detector : Peak</p>	Left Blank











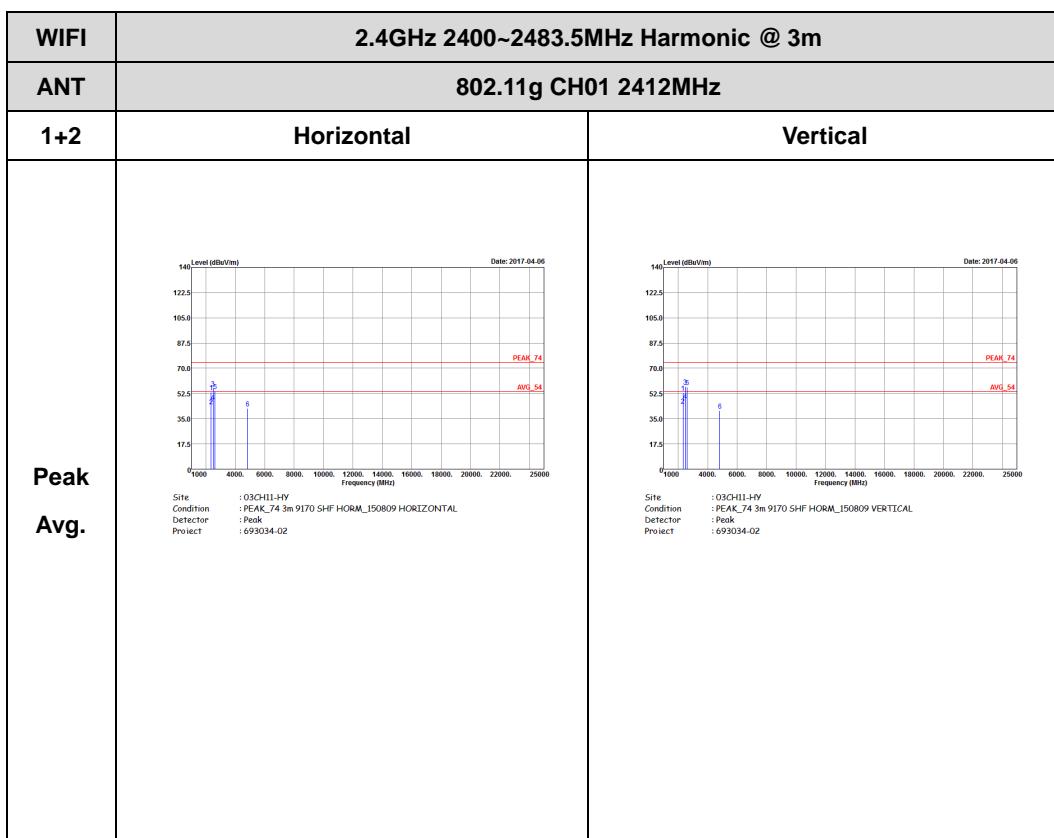


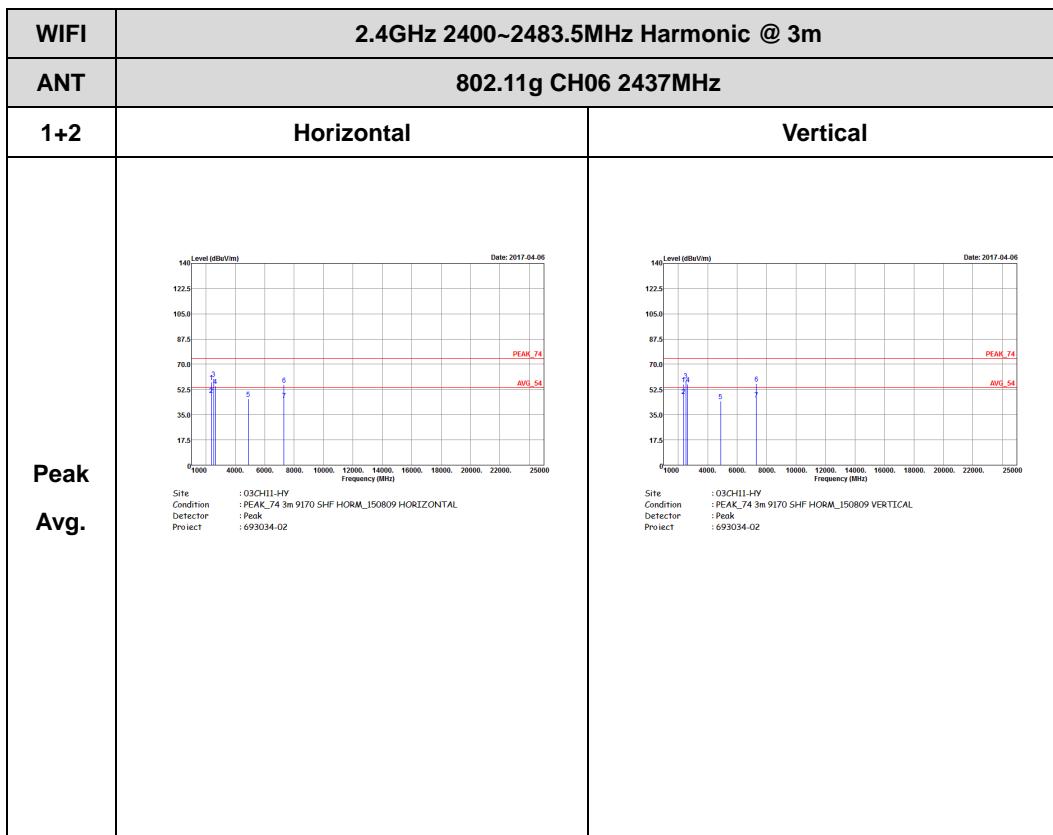
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
1+2	Vertical	Fundamental
Peak	<p>Site: 03CH12-HY Condition: PEAK_BE_74 3m HORN_9120D_1328 VERTICAL Detector: Peak RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site: 03CH12-HY Condition: PEAK_74 3m HORN_9120D_1328 VERTICAL Detector: Peak RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site: 03CH12-HY Condition: AVG_BE_54 3m HORN_9120D_1328 VERTICAL Detector: Peak RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	<p>Site: 03CH12-HY Condition: AVG_54 3m HORN_9120D_1328 VERTICAL Detector: Peak RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>

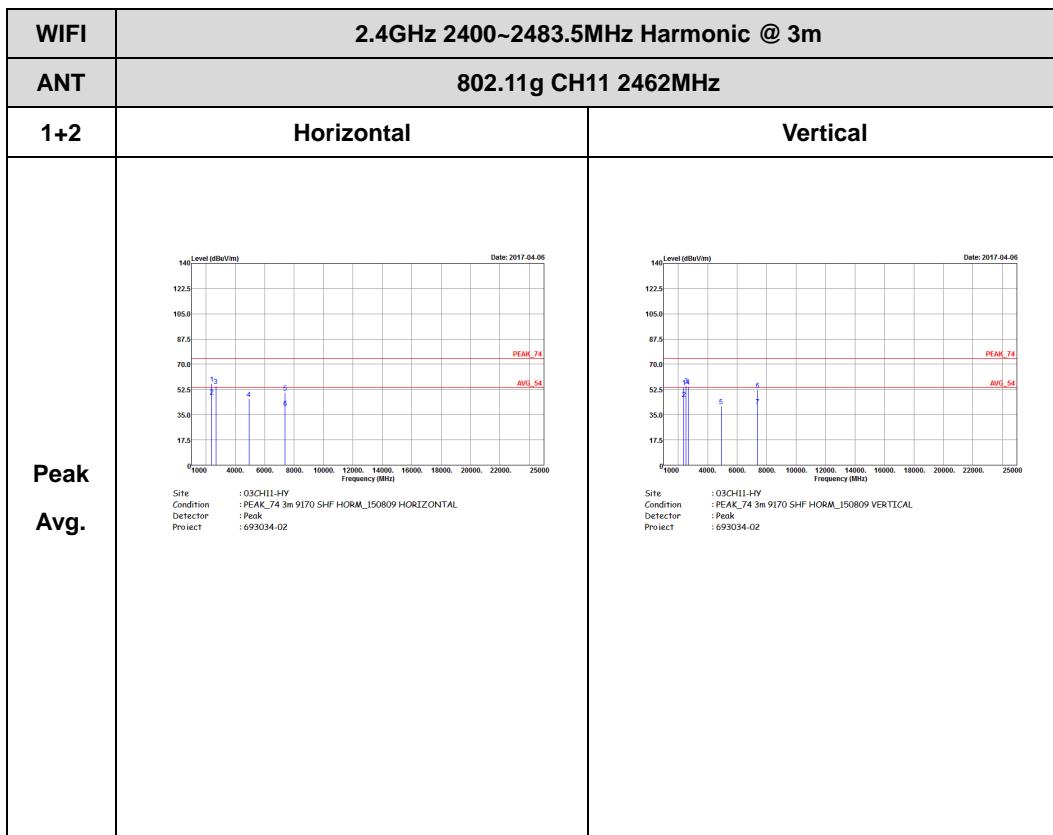


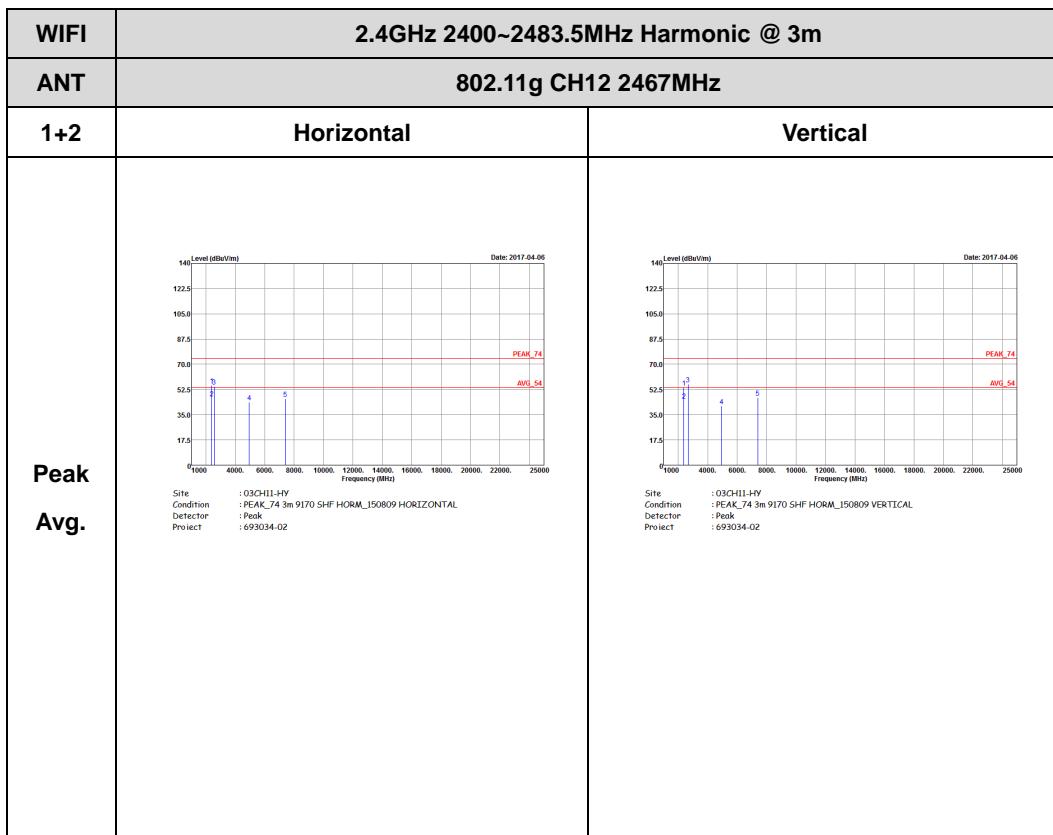
2.4GHz 2400~2483.5MHz

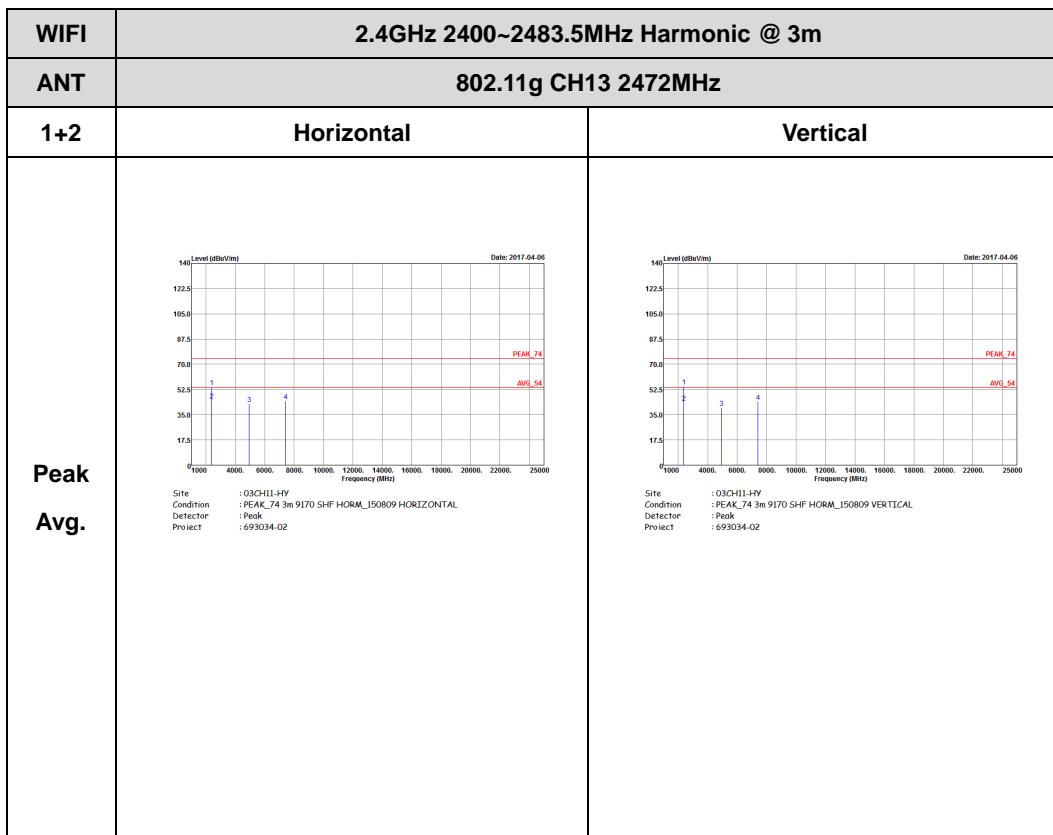
WIFI 802.11g (Harmonic @ 3m)







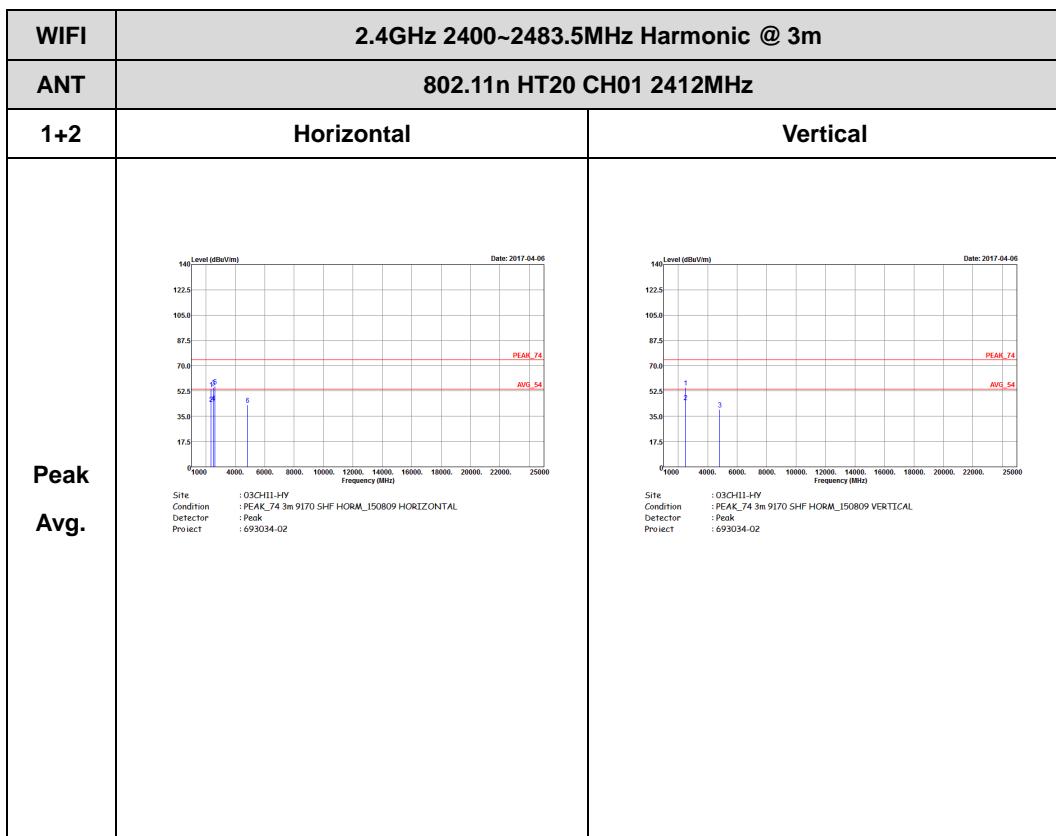


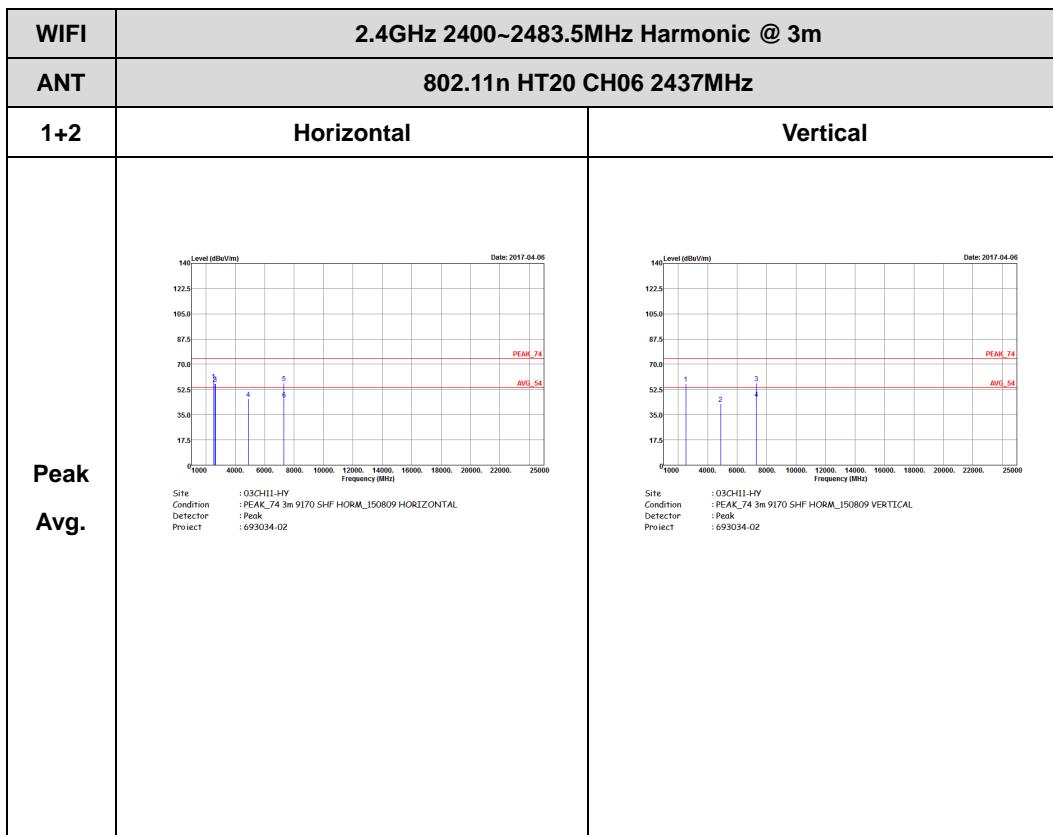


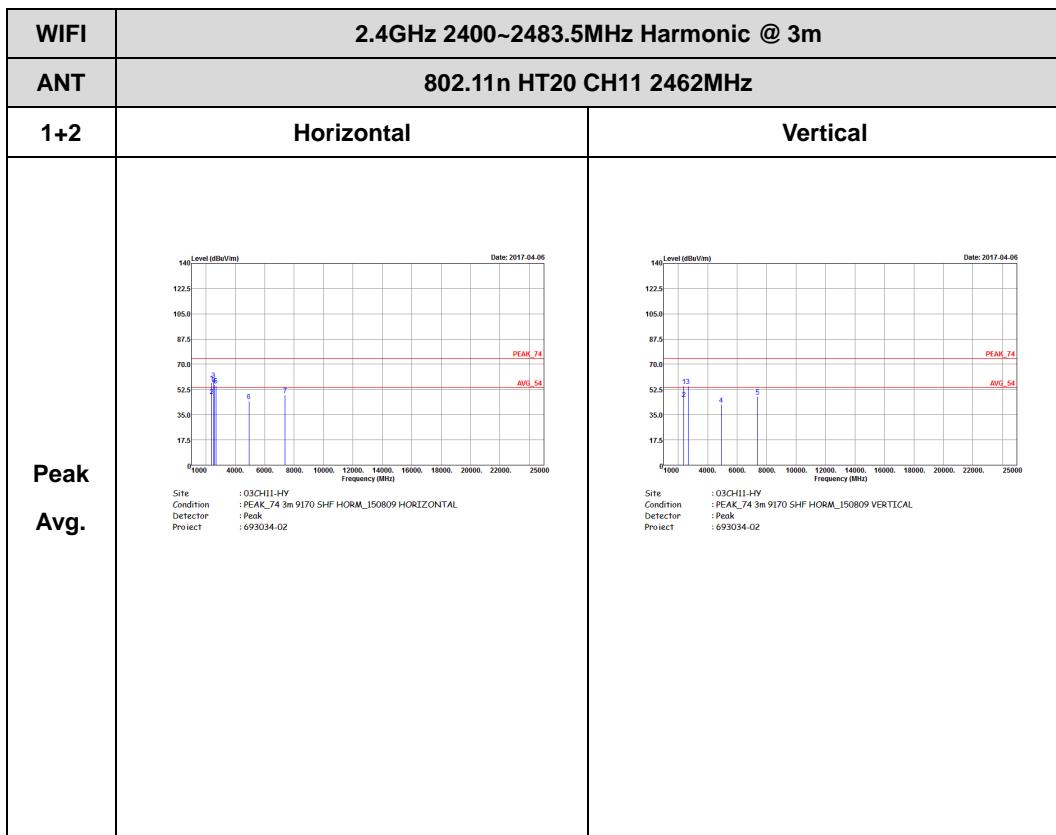


2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

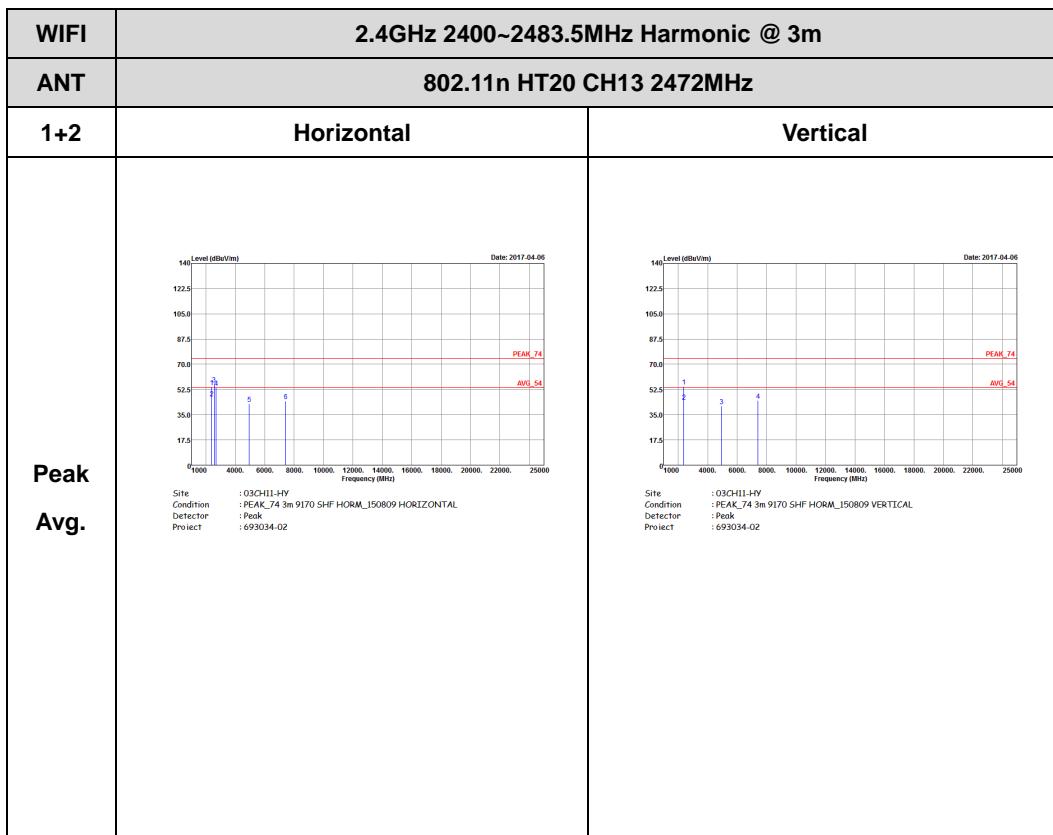








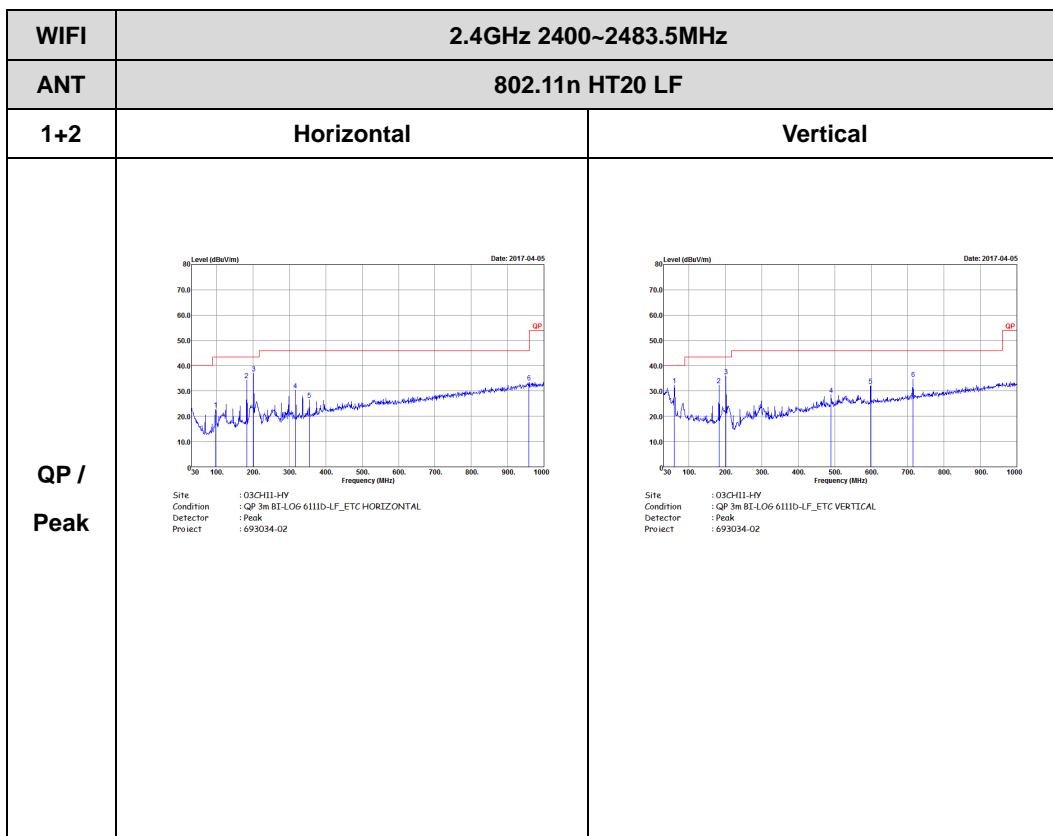
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH12 2462MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 09CH11-HV Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 693034-02	 Site : 09CH11-HV Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 693034-02





Emission below 1GHz

2.4GHz WIFI 802.11n HT20 (LF)





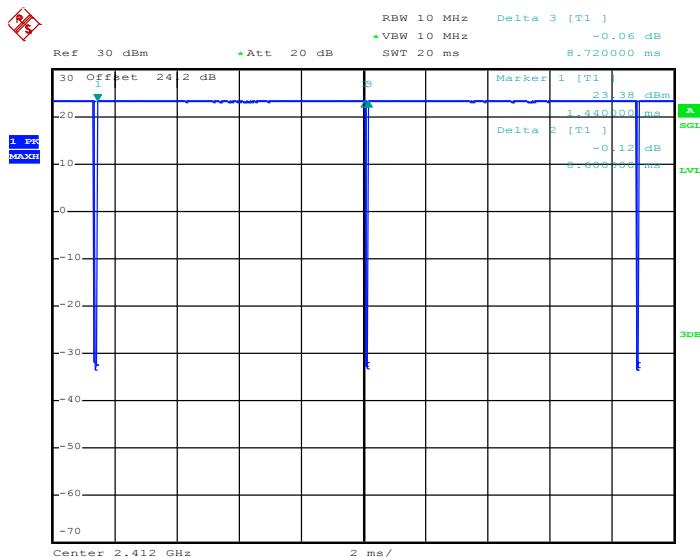
Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1	802.11b	98.624	-	-	10Hz
1	802.11g	92.857	1430	0.70	1kHz
1	2.4GHz 802.11n HT20	92.414	1340	0.75	1kHz
2	802.11b	98.624	-	-	10Hz
2	802.11g	93.506	1440	0.69	1kHz
2	2.4GHz 802.11n HT20	92.414	1340	0.75	1kHz
1+2	2.4GHz 802.11g for Ant 1	92.857	1430	0.70	1kHz
1+2	2.4GHz 802.11g for Ant 2	92.857	1430	0.70	1kHz
1+2	2.4GHz 802.11n HT20 for Ant 1	92.414	1340	0.75	1kHz
1+2	2.4GHz 802.11n HT20 for Ant 2	92.414	1340	0.75	1kHz



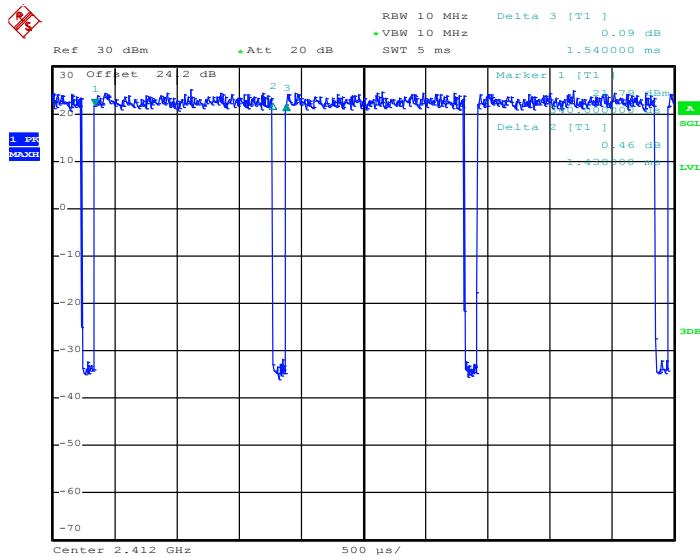
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802.11b



Date: 27.MAR.2017 23:32:03

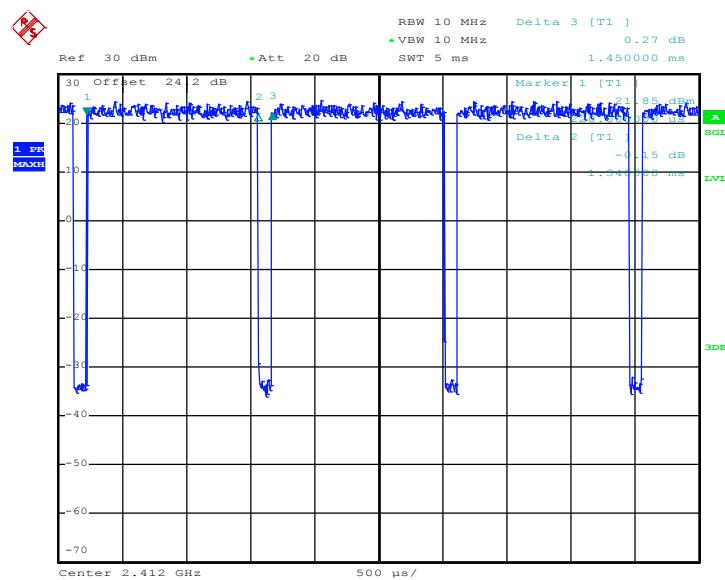
802.11g



Date: 27.MAR.2017 23:36:28



802.11n HT20

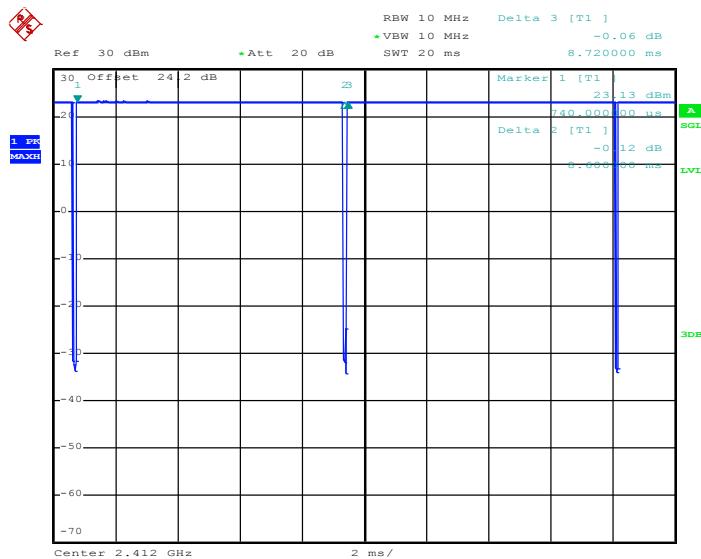


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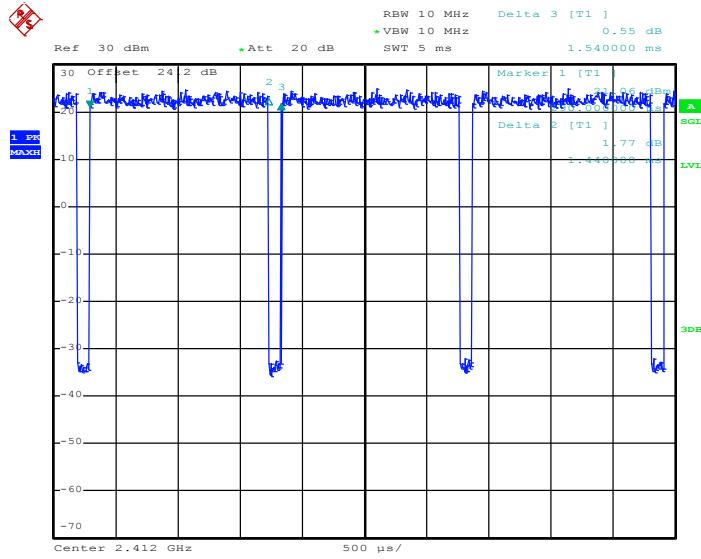
<Ant. 2>

802.11b



Date: 27.MAR.2017 23:32:49

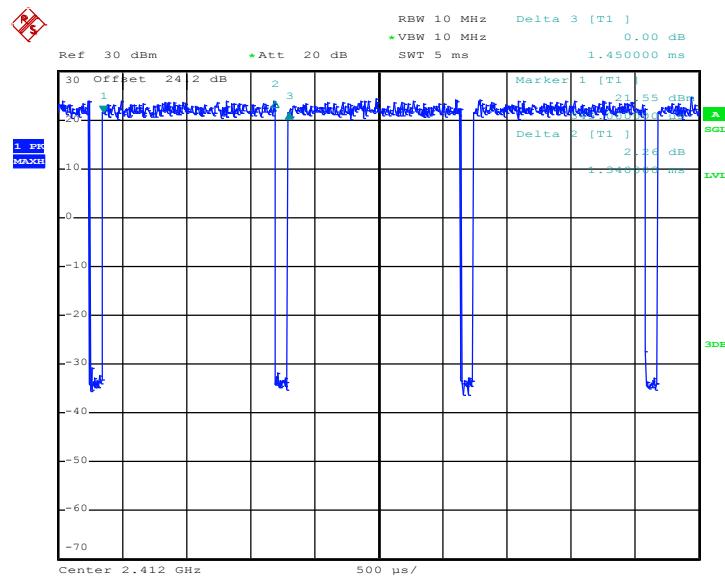
802.11g



Date: 27.MAR.2017 23:37:21



802.11n HT20

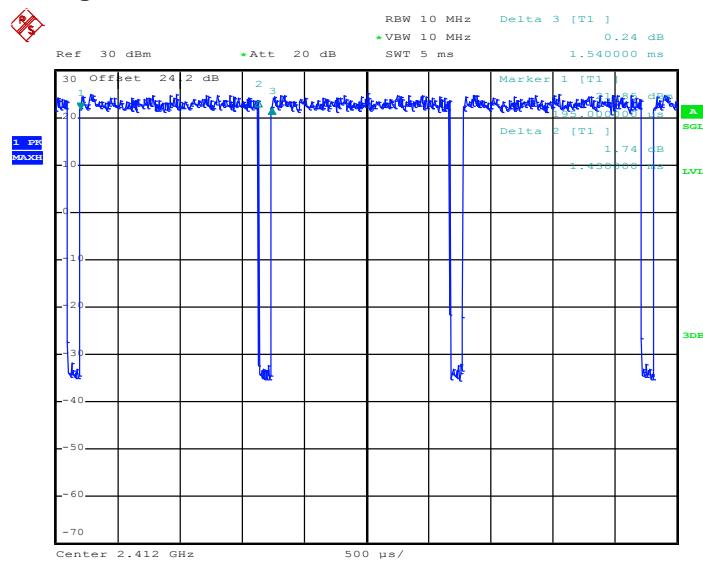


Date: 27.MAR.2017 23:42:51



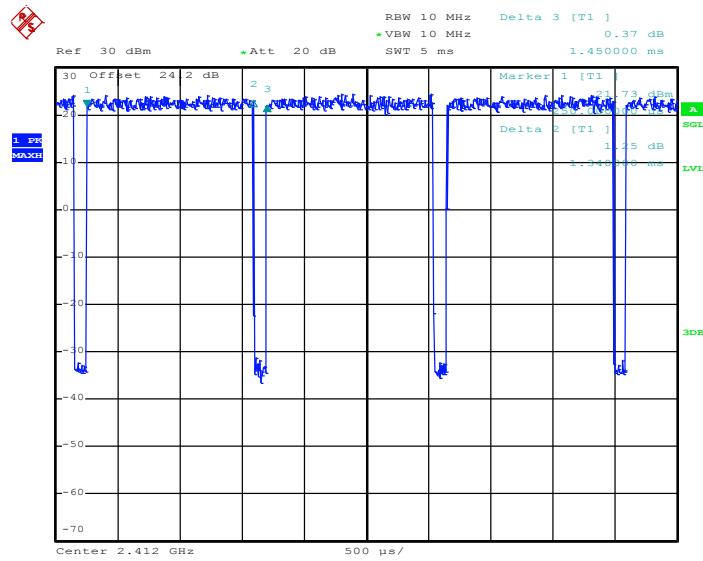
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802.11g



Date: 27.MAR.2017 23:40:17

802.11n HT20

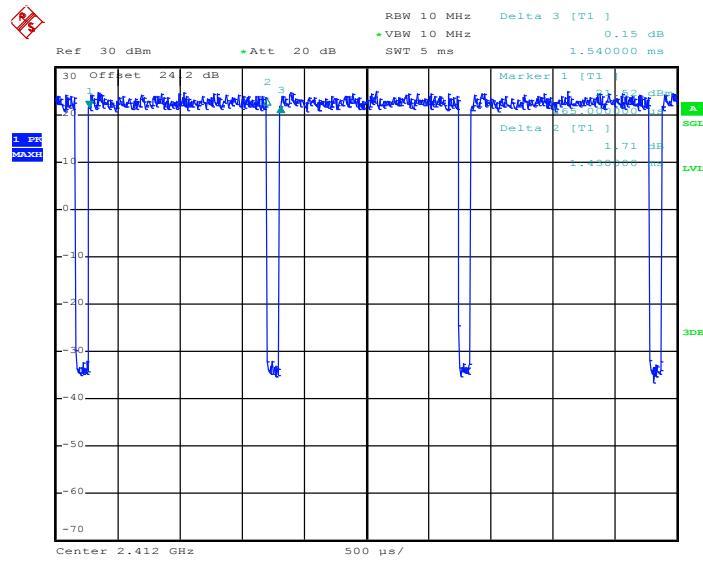


Date: 27.MAR.2017 23:46:56



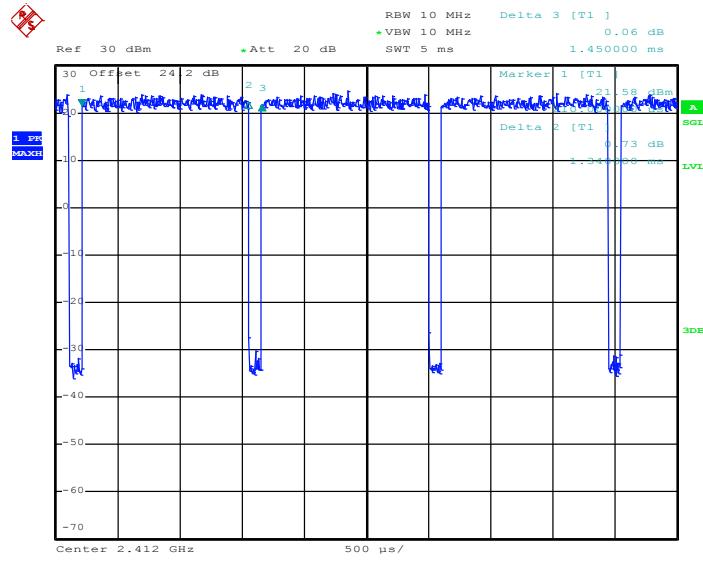
MIMO <Ant. 2>

802.11g



Date: 27.MAR.2017 23:41:03

802.11n HT20



Date: 27.MAR.2017 23:47:29