

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Aking chang	Temperature:	21~25	°C
Test Date:	2017/7/26~2017/8/28	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band										
Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2		
11b	1Mbps	1	1	2412	12.55	13.15	9.54	10.00	0.50	Pass
11b	1Mbps	1	6	2437	12.75	13.15	10.00	10.02	0.50	Pass
11b	1Mbps	1	11	2462	12.65	12.80	9.54	10.00	0.50	Pass
11b	1Mbps	1	12	2467	12.65	12.65	9.56	9.02	0.50	Pass
11b	1Mbps	1	13	2472	12.40	12.40	9.06	10.00	0.50	Pass
11g	6Mbps	1	1	2412	17.55	17.45	15.30	15.10	0.50	Pass
11g	6Mbps	1	6	2437	18.50	18.20	15.12	15.10	0.50	Pass
11g	6Mbps	1	11	2462	17.60	17.55	15.12	15.08	0.50	Pass
11g	6Mbps	1	12	2467	17.90	17.80	16.32	16.34	0.50	Pass
11g	6Mbps	1	13	2472	17.75	17.70	16.40	16.32	0.50	Pass
HT20	MCS0	1	1	2412	18.35	18.25	15.32	15.04	0.50	Pass
HT20	MCS0	1	6	2437	19.40	19.00	15.14	15.06	0.50	Pass
HT20	MCS0	1	11	2462	18.30	18.20	15.12	15.12	0.50	Pass
HT20	MCS0	1	12	2467	18.25	18.50	15.34	17.60	0.50	Pass
HT20	MCS0	1	13	2472	18.50	18.50	17.60	17.54	0.50	Pass

TEST RESULTS DATA
Peak Output Power

2.4GHz Band																
Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	Peak Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11b	1Mbps	1	1	2412	21.54	22.86		30.00	30.00	3.30	2.50	24.84	25.36	36.00	36.00	Pass
11b	1Mbps	1	6	2437	22.00	22.63		30.00	30.00	3.30	2.50	25.30	25.13	36.00	36.00	Pass
11b	1Mbps	1	11	2462	21.28	21.71		30.00	30.00	3.30	2.50	24.58	24.21	36.00	36.00	Pass
11b	1Mbps	1	12	2467	21.22	20.80		30.00	30.00	3.30	2.50	24.52	23.30	36.00	36.00	Pass
11b	1Mbps	1	13	2472	18.76	17.11		30.00	30.00	3.30	2.50	22.06	19.61	36.00	36.00	Pass
11g	6Mbps	1	1	2412	24.41	23.93		30.00	30.00	3.30	2.50	27.71	26.43	36.00	36.00	Pass
11g	6Mbps	1	6	2437	25.61	25.03		30.00	30.00	3.30	2.50	28.91	27.53	36.00	36.00	Pass
11g	6Mbps	1	11	2462	24.45	23.85		30.00	30.00	3.30	2.50	27.75	26.35	36.00	36.00	Pass
11g	6Mbps	1	12	2467	21.94	21.49		30.00	30.00	3.30	2.50	25.24	23.99	36.00	36.00	Pass
11g	6Mbps	1	13	2472	21.59	19.76		30.00	30.00	3.30	2.50	24.89	22.26	36.00	36.00	Pass
HT20	MCS0	1	1	2412	24.34	23.60		30.00	30.00	3.30	2.50	27.64	26.10	36.00	36.00	Pass
HT20	MCS0	1	6	2437	25.62	25.12		30.00	30.00	3.30	2.50	28.92	27.62	36.00	36.00	Pass
HT20	MCS0	1	11	2462	24.03	23.55		30.00	30.00	3.30	2.50	27.33	26.05	36.00	36.00	Pass
HT20	MCS0	1	12	2467	23.12	21.65		30.00	30.00	3.30	2.50	26.42	24.15	36.00	36.00	Pass
HT20	MCS0	1	13	2472	20.98	20.95		30.00	30.00	3.30	2.50	24.28	23.45	36.00	36.00	Pass

Note: Measured power (dBm) has offset with cable loss.

TEST RESULTS DATA
Average Output Power

2.4GHz Band								
Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)	
					Ant 1	Ant 2	Ant 1	Ant 2
								SUM
11b	1Mbps	1	1	2412	0.08	0.08	18.58	20.40
11b	1Mbps	1	6	2437	0.08	0.08	19.14	20.13
11b	1Mbps	1	11	2462	0.08	0.08	18.40	19.04
11b	1Mbps	1	12	2467	0.08	0.08	18.33	17.98
11b	1Mbps	1	13	2472	0.08	0.08	15.66	14.13
11g	6Mbps	1	1	2412	0.59	0.53	16.51	15.94
11g	6Mbps	1	6	2437	0.59	0.53	20.28	19.48
11g	6Mbps	1	11	2462	0.59	0.53	16.86	16.14
11g	6Mbps	1	12	2467	0.59	0.53	12.70	12.06
11g	6Mbps	1	13	2472	0.59	0.53	12.01	10.04
HT20	MCS0	1	1	2412	0.56	0.56	15.84	14.93
HT20	MCS0	1	6	2437	0.56	0.56	20.46	19.49
HT20	MCS0	1	11	2462	0.56	0.56	15.48	15.11
HT20	MCS0	1	12	2467	0.56	0.56	13.94	11.98
HT20	MCS0	1	13	2472	0.56	0.56	10.86	11.04

Note: Measured power (dBm) has offset with cable loss.

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band												
Mod.	Data Rate	N _{Tx}	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant 1	Ant 2	Worse + 3.01	Ant 1	Ant 2	Ant 1	Ant 2	
11b	1Mbps	1	1	2412	-4.74	-3.46		3.30	2.50	8.00	8.00	Pass
11b	1Mbps	1	6	2437	-4.09	-4.15		3.30	2.50	8.00	8.00	Pass
11b	1Mbps	1	11	2462	-5.16	-4.82		3.30	2.50	8.00	8.00	Pass
11b	1Mbps	1	12	2467	-3.46	-5.39		3.30	2.50	8.00	8.00	Pass
11b	1Mbps	1	13	2472	-7.70	-9.58		3.30	2.50	8.00	8.00	Pass
11g	6Mbps	1	1	2412	-8.59	-9.44		3.30	2.50	8.00	8.00	Pass
11g	6Mbps	1	6	2437	-4.57	-5.23		3.30	2.50	8.00	8.00	Pass
11g	6Mbps	1	11	2462	-9.28	-9.12		3.30	2.50	8.00	8.00	Pass
11g	6Mbps	1	12	2467	-12.88	-13.11		3.30	2.50	8.00	8.00	Pass
11g	6Mbps	1	13	2472	-13.54	-15.81		3.30	2.50	8.00	8.00	Pass
HT20	MCS0	1	1	2412	-9.76	-10.99		3.30	2.50	8.00	8.00	Pass
HT20	MCS0	1	6	2437	-5.78	-6.67		3.30	2.50	8.00	8.00	Pass
HT20	MCS0	1	11	2462	-9.68	-8.18		3.30	2.50	8.00	8.00	Pass
HT20	MCS0	1	12	2467	-11.06	-14.25		3.30	2.50	8.00	8.00	Pass
HT20	MCS0	1	13	2472	-15.90	-14.75		3.30	2.50	8.00	8.00	Pass

Measured power density (dBm) has offset with cable loss.



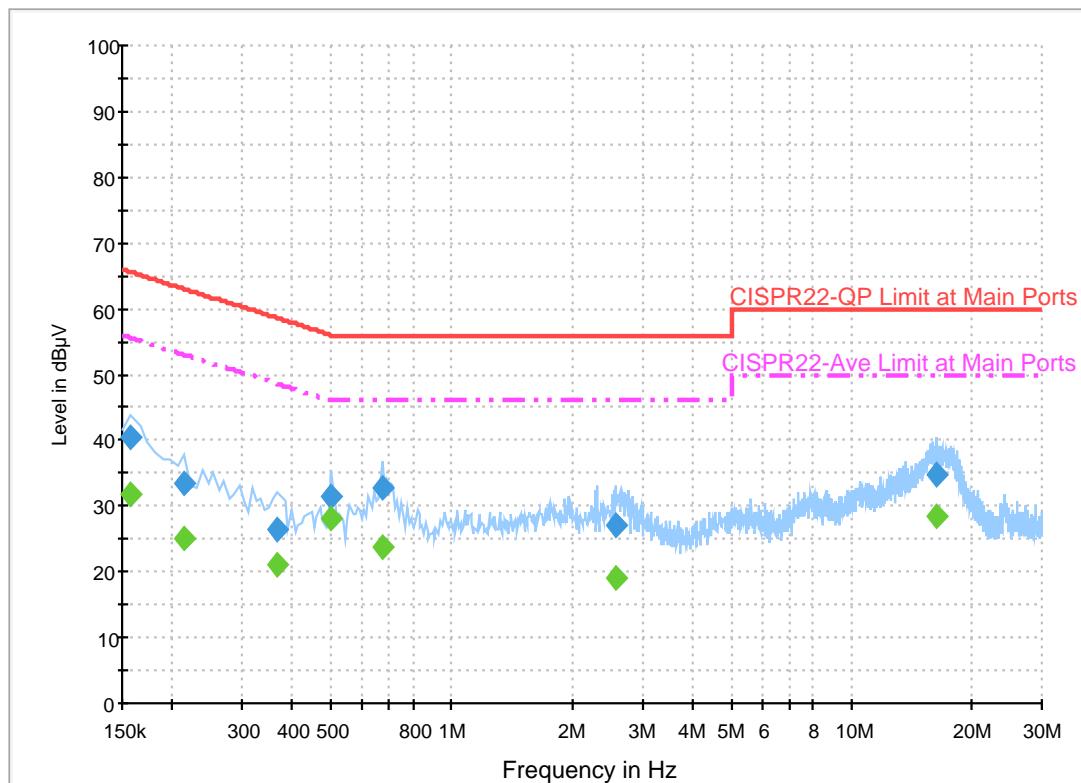
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Kai-Chun Chu	Temperature :	24~25°C
		Relative Humidity :	44~45%

EUT Information

Report NO : 740606-01
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

ENV216 Auto Test FCC Power Bar - L



Final Result 1

Frequency (MHz)	QuasiPeak (dB μ V)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.158000	40.5	Off	L1	19.6	25.1	65.6
0.214000	33.3	Off	L1	19.6	29.7	63.0
0.366000	26.3	Off	L1	19.6	32.3	58.6
0.502000	31.5	Off	L1	19.6	24.5	56.0
0.670000	32.7	Off	L1	19.6	23.3	56.0
2.574000	27.0	Off	L1	19.3	29.0	56.0
16.350000	34.9	Off	L1	20.4	25.1	60.0

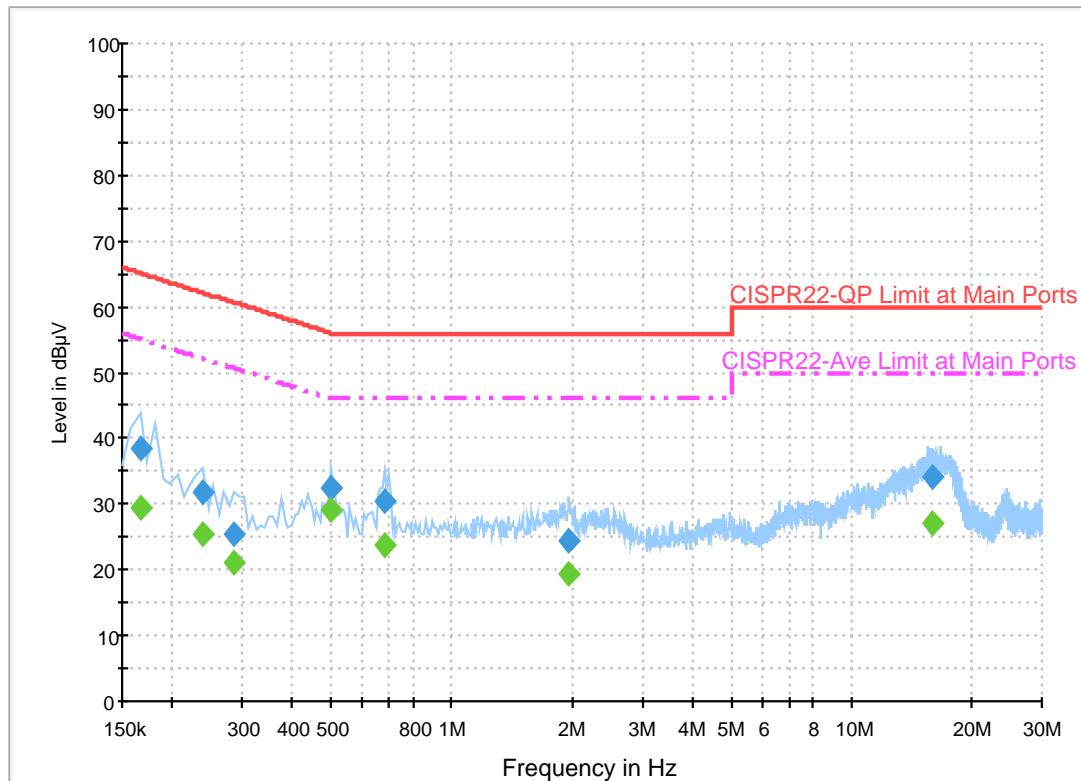
Final Result 2

Frequency (MHz)	Average (dB μ V)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.158000	31.7	Off	L1	19.6	23.9	55.6
0.214000	24.9	Off	L1	19.6	28.1	53.0
0.366000	21.1	Off	L1	19.6	27.5	48.6
0.502000	27.9	Off	L1	19.6	18.1	46.0
0.670000	23.8	Off	L1	19.6	22.2	46.0
2.574000	19.2	Off	L1	19.3	26.8	46.0
16.350000	28.4	Off	L1	20.4	21.6	50.0

EUT Information

Report NO : 740606-01
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

ENV216 Auto Test FCC Power Bar - N



Final Result 1

Frequency (MHz)	QuasiPeak (dB μ V)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.166000	38.5	Off	N	19.5	26.7	65.2
0.238000	31.8	Off	N	19.5	30.4	62.2
0.286000	25.4	Off	N	19.5	35.2	60.6
0.502000	32.5	Off	N	19.5	23.5	56.0
0.678000	30.3	Off	N	19.5	25.7	56.0
1.974000	24.3	Off	N	19.6	31.7	56.0
16.038000	34.2	Off	N	20.5	25.8	60.0

Final Result 2

Frequency (MHz)	Average (dB μ V)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.166000	29.5	Off	N	19.5	25.7	55.2
0.238000	25.4	Off	N	19.5	26.8	52.2
0.286000	21.0	Off	N	19.5	29.6	50.6
0.502000	29.0	Off	N	19.5	17.0	46.0
0.678000	23.6	Off	N	19.5	22.4	46.0
1.974000	19.4	Off	N	19.6	26.6	46.0
16.038000	27.0	Off	N	20.5	23.0	50.0



Appendix C. Radiated Spurious Emission

Test Engineer :	Alex Jheng, Bill Chang and Wilson Wu	Temperature :	25.1~25.5°C
		Relative Humidity :	55~57%

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI Ant. 1	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.
802.11b CH 01 2412MHz		2385.18	53.11	-20.89	74	42.5	26.84	4.83	30.99	180	77	P	H
		2390	43.57	-10.43	54	32.91	26.89	4.83	30.99	180	77	A	H
	*	2412	109.67	-	-	98.92	26.94	4.87	30.99	180	77	P	H
	*	2412	106.58	-	-	95.83	26.94	4.87	30.99	180	77	A	H
		2382.66	51.52	-22.48	74	40.91	26.84	4.83	30.99	100	26	P	V
		2390	41.25	-12.75	54	30.59	26.89	4.83	30.99	100	26	A	V
	*	2412	103.52	-	-	92.77	26.94	4.87	30.99	100	26	P	V
	*	2412	100.38	-	-	89.63	26.94	4.87	30.99	100	26	A	V
802.11b CH 06 2437MHz		2387.14	53.77	-20.23	74	43.11	26.89	4.83	30.99	253	72	P	H
		2387.14	42.87	-11.13	54	32.21	26.89	4.83	30.99	253	72	A	H
	*	2437	112.53	-	-	101.66	27.04	4.88	30.98	253	72	P	H
	*	2437	109.55	-	-	98.68	27.04	4.88	30.98	253	72	A	H
		2488.24	54.57	-19.43	74	43.47	27.2	4.93	30.96	253	72	P	H
		2485.09	45.48	-8.52	54	34.44	27.15	4.93	30.97	253	72	A	H
		2362.92	51.27	-22.73	74	40.74	26.79	4.8	30.99	100	26	P	V
		2387	41	-13	54	30.34	26.89	4.83	30.99	100	26	A	V
	*	2437	105.36	-	-	94.49	27.04	4.88	30.98	100	26	P	V
	*	2437	102.24	-	-	91.37	27.04	4.88	30.98	100	26	A	V
		2489.85	52.04	-21.96	74	40.94	27.2	4.93	30.96	100	26	P	V
		2485.09	41.9	-12.1	54	30.86	27.15	4.93	30.97	100	26	A	V



		*	2462	110.89	-	-	99.93	27.1	4.9	30.97	169	71	P	H
802.11b CH 11 2462MHz		*	2462	107.75	-	-	96.79	27.1	4.9	30.97	169	71	A	H
			2493.44	53.97	-20.03	74	42.87	27.2	4.93	30.96	169	71	P	H
			2486.8	44.54	-9.46	54	33.5	27.15	4.93	30.97	169	71	A	H
		*	2462	103.36	-	-	92.4	27.1	4.9	30.97	100	148	P	V
		*	2462	100.23	-	-	89.27	27.1	4.9	30.97	100	148	A	V
			2497.6	52.19	-21.81	74	41.09	27.2	4.93	30.96	100	148	P	V
			2486.92	41.19	-12.81	54	30.15	27.15	4.93	30.97	100	148	A	V
		Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



WIFI Ant. 1	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.
802.11b CH 12 2467MHz	*	2467	108.83	-	-	97.85	27.1	4.92	30.97	174	66	P	H
	*	2467	105.64	-	-	94.66	27.1	4.92	30.97	174	66	A	H
		2491.44	55.64	-18.36	74	44.54	27.2	4.93	30.96	174	66	P	H
		2483.52	45.93	-8.07	54	34.89	27.15	4.93	30.97	174	66	A	H
	*	2467	103.09	-	-	92.11	27.1	4.92	30.97	255	341	P	V
	*	2467	99.95	-	-	88.97	27.1	4.92	30.97	255	341	A	V
		2487.84	52.84	-21.16	74	41.74	27.2	4.93	30.96	255	341	P	V
		2483.52	43.24	-10.76	54	32.2	27.15	4.93	30.97	255	341	A	V
802.11b CH 13 2472MHz	*	2472	105.96	-	-	94.93	27.15	4.92	30.97	101	67	P	H
	*	2472	102.89	-	-	91.86	27.15	4.92	30.97	101	67	A	H
		2483.52	57.84	-16.16	74	46.8	27.15	4.93	30.97	101	67	P	H
		2483.52	51.3	-2.7	54	40.26	27.15	4.93	30.97	101	67	A	H
	*	2472	101.5	-	-	90.47	27.15	4.92	30.97	283	219	P	V
	*	2472	98.47	-	-	87.44	27.15	4.92	30.97	283	219	A	V
		2483.8	55.57	-18.43	74	44.53	27.15	4.93	30.97	283	219	P	V
		2483.52	47.78	-6.22	54	36.74	27.15	4.93	30.97	283	219	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. 1	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)
802.11b CH 01 2412MHz		4824	53.5	-20.5	74	71.34	31.56	7.33	57.24	233	26	P	H
		4824	51.88	-2.12	54	69.72	31.56	7.33	57.24	233	26	A	H
		4824	53.92	-20.08	74	71.76	31.56	7.33	57.24	100	58	P	V
		4824	52.3	-1.7	54	70.14	31.56	7.33	57.24	100	58	A	V
802.11b CH 06 2437MHz		4874	54.85	-19.15	74	72.45	31.63	7.44	57.17	109	25	P	H
		4874	53.3	-0.7	54	70.9	31.63	7.44	57.17	109	25	A	H
		7311	44.27	-29.73	74	55.79	36.16	9.13	57.27	100	0	P	H
		4874	49.93	-24.07	74	67.53	31.63	7.44	57.17			P	V
		7311	44.5	-29.5	74	56.02	36.16	9.13	57.27	100	0	P	V
802.11b CH 11 2462MHz		4924	54.28	-19.72	74	71.66	31.7	7.52	57.1	102	25	P	H
		4924	52.75	-1.25	54	70.13	31.7	7.52	57.1	102	25	A	H
		7386	45.21	-28.79	74	56.66	36.31	9.18	57.38	100	0	P	H
		4924	48.33	-25.67	74	65.71	31.7	7.52	57.1	100	0	P	V
		7386	44.66	-29.34	74	56.11	36.31	9.18	57.38	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 1	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.
802.11b CH 12 2467MHz		4934	53.82	-20.18	74	71.18	31.7	7.55	57.1	128	28	P	H
		4934	52.42	-1.58	54	69.78	31.7	7.55	57.1	128	28	A	H
		4934	51.74	-22.26	74	69.1	31.7	7.55	57.1	105	57	P	V
		4934	49.78	-4.22	54	67.14	31.7	7.55	57.1	105	57	A	V
802.11b CH 13 2472MHz		4944	48.4	-25.6	74	65.7	31.73	7.55	57.07	100	0	P	H
		7416	43.19	-30.81	74	54.6	36.34	9.2	57.4	100	0	P	H
		4944	46.3	-27.7	74	63.6	31.73	7.55	57.07	100	0	P	V
		7416	43.73	-30.27	74	55.14	36.34	9.2	57.4	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

WIFI 802.11g (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11g CH 01 2412MHz		2390	68.04	-5.96	74	57.38	26.89	4.83	30.99	130	67	P	H
		2390	51.81	-2.19	54	41.15	26.89	4.83	30.99	130	67	A	H
	*	2412	110.75	-	-	100	26.94	4.87	30.99	130	67	P	H
	*	2412	103.07	-	-	92.32	26.94	4.87	30.99	130	67	A	H
		2390	57.64	-16.36	74	46.98	26.89	4.83	30.99	368	128	P	V
		2390	45.12	-8.88	54	34.46	26.89	4.83	30.99	368	128	A	V
	*	2412	103.46	-	-	92.71	26.94	4.87	30.99	368	128	P	V
	*	2412	95.75	-	-	85	26.94	4.87	30.99	368	128	A	V
802.11g CH 06 2437MHz		2389.24	56.42	-17.58	74	45.76	26.89	4.83	30.99	150	67	P	H
		2389.8	45.23	-8.77	54	34.57	26.89	4.83	30.99	150	67	A	H
	*	2437	114.45	-	-	103.58	27.04	4.88	30.98	150	67	P	H
	*	2437	106.74	-	-	95.87	27.04	4.88	30.98	150	67	A	H
		2487.47	58.57	-15.43	74	47.53	27.15	4.93	30.97	150	67	P	H
		2483.9	47.71	-6.29	54	36.67	27.15	4.93	30.97	150	67	A	H
		2358.02	53.13	-20.87	74	42.61	26.79	4.8	31	285	218	P	V
		2389.94	42.31	-11.69	54	31.65	26.89	4.83	30.99	285	218	A	V
	*	2437	108.22	-	-	97.35	27.04	4.88	30.98	285	218	P	V
	*	2437	108.58	-	-	97.71	27.04	4.88	30.98	285	218	P	V
		2489.01	54.13	-19.87	74	43.03	27.2	4.93	30.96	285	218	P	V
		2484.46	44.43	-9.57	54	33.39	27.15	4.93	30.97	285	218	A	V



		*	2462	111.58	-	-	100.62	27.1	4.9	30.97	120	68	P	H
802.11g CH 11 2462MHz		*	2462	103.72	-	-	92.76	27.1	4.9	30.97	120	68	A	H
			2483.88	67.56	-6.44	74	56.52	27.15	4.93	30.97	120	68	P	H
			2483.52	53.42	-0.58	54	42.38	27.15	4.93	30.97	120	68	A	H
		*	2462	105.2	-	-	94.24	27.1	4.9	30.97	268	234	P	V
		*	2462	97.52	-	-	86.56	27.1	4.9	30.97	268	234	A	V
			2483.8	62.25	-11.75	74	51.21	27.15	4.93	30.97	268	234	P	V
			2483.56	48.36	-5.64	54	37.32	27.15	4.93	30.97	268	234	A	V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 1	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)
802.11g CH 12 2467MHz	*	2467	106.27	-	-	95.29	27.1	4.92	30.97	124	70	P	H
	*	2467	98.72	-	-	87.74	27.1	4.92	30.97	124	70	A	H
		2483.52	70.65	-3.35	74	59.61	27.15	4.93	30.97	124	70	P	H
		2483.52	52.24	-1.76	54	41.2	27.15	4.93	30.97	124	70	A	H
	*	2467	100.92	-	-	89.94	27.1	4.92	30.97	282	229	P	V
	*	2467	93.18	-	-	82.2	27.1	4.92	30.97	282	229	A	V
		2483.76	62.96	-11.04	74	51.92	27.15	4.93	30.97	282	229	P	V
		2483.64	48.4	-5.6	54	37.36	27.15	4.93	30.97	282	229	A	V
802.11g CH 13 2472MHz	*	2472	104.64	-	-	93.61	27.15	4.92	30.97	124	74	P	H
	*	2472	97.06	-	-	86.03	27.15	4.92	30.97	124	74	A	H
		2483.92	68.34	-5.66	74	57.3	27.15	4.93	30.97	124	74	P	H
		2483.56	53.2	-0.8	54	42.16	27.15	4.93	30.97	124	74	A	H
	*	2472	100.77	-	-	89.74	27.15	4.92	30.97	283	236	P	V
	*	2472	93	-	-	81.97	27.15	4.92	30.97	283	236	A	V
		2483.6	65.19	-8.81	74	54.15	27.15	4.93	30.97	283	236	P	V
		2483.56	50.39	-3.61	54	39.35	27.15	4.93	30.97	283	236	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI Ant. 1	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)
802.11g CH 01 2412MHz		4824	55.07	-18.93	74	72.91	31.56	7.33	57.24	183	46	P	H
		4824	45.23	-8.77	54	63.07	31.56	7.33	57.24	183	46	A	H
		4824	54.64	-19.36	74	72.48	31.56	7.33	57.24	100	58	P	V
		4824	43.51	-10.49	54	61.35	31.56	7.33	57.24	100	58	A	V
802.11g CH 06 2437MHz		4874	55.67	-18.33	74	73.27	31.63	7.44	57.17	123	29	P	H
		4874	43.99	-10.01	54	61.59	31.63	7.44	57.17	123	29	A	H
		7311	43.3	-30.7	74	54.82	36.16	9.13	57.27	100	0	P	H
		4874	52.57	-21.43	74	70.17	31.63	7.44	57.17	100	59	P	V
		4874	42.76	-11.24	54	60.36	31.63	7.44	57.17	100	59	A	V
		7311	44.65	-29.35	74	56.17	36.16	9.13	57.27	100	0	P	V
802.11g CH 11 2462MHz		4924	47.62	-26.38	74	65	31.7	7.52	57.1	100	0	P	H
		7386	44.32	-29.68	74	55.77	36.31	9.18	57.38	100	0	P	H
		4924	45.97	-28.03	74	63.35	31.7	7.52	57.1	100	0	P	V
		7386	44.47	-29.53	74	55.92	36.31	9.18	57.38	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 1	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.
802.11g CH 12 2467MHz		4934	42.56	-31.44	74	59.92	31.7	7.55	57.1	100	0	P	H
		7401	44.49	-29.51	74	55.92	36.34	9.19	57.4	100	0	P	H
		4934	41.42	-32.58	74	58.78	31.7	7.55	57.1	100	0	P	V
		7401	43.85	-30.15	74	55.28	36.34	9.19	57.4	100	0	P	V
802.11g CH 13 2472MHz		4944	42.06	-31.94	74	59.36	31.73	7.55	57.07	100	0	P	H
		7416	43.4	-30.6	74	54.81	36.34	9.2	57.4	100	0	P	H
		4944	40.8	-33.2	74	58.1	31.73	7.55	57.07	100	0	P	V
		7416	43.86	-30.14	74	55.27	36.34	9.2	57.4	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

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	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 01 2412MHz		2389.695	65.61	-8.39	74	54.95	26.89	4.83	30.99	129	82	P	H
		2389.905	51.89	-2.11	54	41.23	26.89	4.83	30.99	129	82	A	H
	*	2412	108.82	-	-	98.07	26.94	4.87	30.99	129	82	P	H
	*	2412	101.43	-	-	90.68	26.94	4.87	30.99	129	82	A	H
		2389.275	60.71	-13.29	74	50.05	26.89	4.83	30.99	293	219	P	V
		2390	46.88	-7.12	54	36.22	26.89	4.83	30.99	293	219	A	V
	*	2412	104.18	-	-	93.43	26.94	4.87	30.99	293	219	P	V
	*	2412	96.35	-	-	85.6	26.94	4.87	30.99	293	219	A	V
802.11n HT20 CH 06 2437MHz		2389.66	54.5	-19.5	74	43.84	26.89	4.83	30.99	147	79	P	H
		2389.52	44.64	-9.36	54	33.98	26.89	4.83	30.99	147	79	A	H
	*	2437	112.72	-	-	101.85	27.04	4.88	30.98	147	79	P	H
	*	2437	104.98	-	-	94.11	27.04	4.88	30.98	147	79	A	H
		2484.95	57.51	-16.49	74	46.47	27.15	4.93	30.97	147	79	P	H
		2483.83	46.17	-7.83	54	35.13	27.15	4.93	30.97	147	79	A	H
		2383.92	51.16	-22.84	74	40.55	26.84	4.83	30.99	273	219	P	V
		2389.8	42.34	-11.66	54	31.68	26.89	4.83	30.99	273	219	A	V
	*	2437	107.78	-	-	96.91	27.04	4.88	30.98	273	219	P	V
	*	2437	100.44	-	-	89.57	27.04	4.88	30.98	273	219	A	V
		2489.57	53.84	-20.16	74	42.74	27.2	4.93	30.96	273	219	P	V
		2485.16	44.23	-9.77	54	33.19	27.15	4.93	30.97	273	219	A	V



	*	2462	108.34	-	-	97.38	27.1	4.9	30.97	121	74	P	H
	*	2462	100.89	-	-	89.93	27.1	4.9	30.97	121	74	A	H
802.11n		2483.76	63.6	-10.4	74	52.56	27.15	4.93	30.97	121	74	P	H
HT20		2483.52	51.52	-2.48	54	40.48	27.15	4.93	30.97	121	74	A	H
CH 11	*	2462	104.03	-	-	93.07	27.1	4.9	30.97	281	325	P	V
2462MHz	*	2462	96.82	-	-	85.86	27.1	4.9	30.97	281	325	A	V
		2483.76	66.82	-7.18	74	55.78	27.15	4.93	30.97	281	325	P	V
		2483.52	49.2	-4.8	54	38.16	27.15	4.93	30.97	281	325	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 1	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.
802.11n HT20 CH 12 2467MHz	*	2467	106.24	-	-	95.26	27.1	4.92	30.97	122	56	P	H
	*	2467	98.73	-	-	87.75	27.1	4.92	30.97	122	56	A	H
		2484.52	66.74	-7.26	74	55.7	27.15	4.93	30.97	122	56	P	H
		2483.6	52.67	-1.33	54	41.63	27.15	4.93	30.97	122	56	A	H
	*	2467	101.6	-	-	90.62	27.1	4.92	30.97	309	330	P	V
	*	2467	94.12	-	-	83.14	27.1	4.92	30.97	309	330	A	V
		2483.92	62.29	-11.71	74	51.25	27.15	4.93	30.97	309	330	P	V
		2483.56	49.96	-4.04	54	38.92	27.15	4.93	30.97	309	330	A	V
802.11n HT20 CH 13 2472MHz	*	2472	102.82	-	-	91.79	27.15	4.92	30.97	122	60	P	H
	*	2472	95.16	-	-	84.13	27.15	4.92	30.97	122	60	A	H
		2483.6	67.68	-6.32	74	56.64	27.15	4.93	30.97	122	60	P	H
		2483.52	50.98	-3.02	54	39.94	27.15	4.93	30.97	122	60	A	H
	*	2472	99.05	-	-	88.02	27.15	4.92	30.97	319	331	P	V
	*	2472	91.21	-	-	80.18	27.15	4.92	30.97	319	331	A	V
		2483.6	65.54	-8.46	74	54.5	27.15	4.93	30.97	319	331	P	V
		2483.88	48.22	-5.78	54	37.18	27.15	4.93	30.97	319	331	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	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 01 2412MHz		4824	51.37	-22.63	74	69.21	31.56	7.33	57.24	130	27	P	H
		4824	40.92	-13.08	54	58.76	31.56	7.33	57.24	130	27	A	H
		4824	49.37	-24.63	74	67.21	31.56	7.33	57.24	100	0	P	V
802.11n HT20 CH 06 2437MHz		4874	53.69	-20.31	74	71.29	31.63	7.44	57.17	106	29	P	H
		4874	43.55	-10.45	54	61.15	31.63	7.44	57.17	106	29	A	H
		7311	43.59	-30.41	74	55.11	36.16	9.13	57.27	100	0	P	H
		4874	49.66	-24.34	74	67.26	31.63	7.44	57.17	100	0	P	V
		7311	43.83	-30.17	74	55.35	36.16	9.13	57.27	100	0	P	V
802.11n HT20 CH 11 2462MHz		4924	46.81	-27.19	74	64.19	31.7	7.52	57.1	100	0	P	H
		7386	44.39	-29.61	74	55.84	36.31	9.18	57.38	100	0	P	H
		4924	45.98	-28.02	74	63.36	31.7	7.52	57.1	100	0	P	V
		7386	44.36	-29.64	74	55.81	36.31	9.18	57.38	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 1	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.
802.11n		4934	45.27	-28.73	74	62.63	31.7	7.55	57.1	100	0	P	H
HT20		7401	44.76	-29.24	74	56.19	36.34	9.19	57.4	100	0	P	H
CH 12		4934	41.13	-32.87	74	58.49	31.7	7.55	57.1	100	0	P	V
2467MHz		7401	43.58	-30.42	74	55.01	36.34	9.19	57.4	100	0	P	V
802.11n		4944	43.26	-30.74	74	60.56	31.73	7.55	57.07	100	0	P	H
HT20		7416	43.36	-30.64	74	54.77	36.34	9.2	57.4	100	0	P	H
CH 13		4944	39.94	-34.06	74	57.24	31.73	7.55	57.07	100	0	P	V
2472MHz		7416	43.64	-30.36	74	55.05	36.34	9.2	57.4	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 802.11b (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		(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 802.11b LF		30	19.93	-20.07	40	29.07	22.63	0.59	32.34	-	-	P	H
		92.64	23.16	-20.34	43.5	43.86	10.52	0.95	32.29	-	-	P	H
		226.56	25.9	-20.1	46	44.04	12.48	1.53	32.23	-	-	P	H
		407.8	23.8	-22.2	46	34.96	18.93	1.97	32.15	-	-	P	H
		672.4	26.33	-19.67	46	32.47	23.36	2.57	32.18	-	-	P	H
		949.6	31.46	-14.54	46	31.43	27.89	3.06	31.06	100	0	P	H
		39.45	28.38	-11.62	40	45.56	14.41	0.74	32.33	100	0	P	V
		96.42	25.32	-18.18	43.5	45.28	11.2	1	32.29	-	-	P	V
		271.38	24.45	-21.55	46	38.91	16.01	1.63	32.17	-	-	P	V
		451.9	26.6	-19.4	46	36.64	19.96	2.1	32.18	-	-	P	V
		858.6	29.09	-16.91	46	31.58	26.22	2.87	31.71	-	-	P	V
		949.6	30.74	-15.26	46	30.71	27.89	3.06	31.06	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
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 CH 01 2412MHz		2386.965	54.73	-19.27	74	44.07	26.89	4.83	30.99	179	285	P	H
		2388.75	46.7	-7.3	54	36.04	26.89	4.83	30.99	179	285	A	H
	*	2412	110.35	-	-	99.6	26.94	4.87	30.99	179	285	P	H
	*	2412	107.24	-	-	96.49	26.94	4.87	30.99	179	285	A	H
		2372.055	52.37	-21.63	74	41.79	26.84	4.8	30.99	148	44	P	V
		2388.54	41.77	-12.23	54	31.11	26.89	4.83	30.99	148	44	A	V
	*	2412	102.84	-	-	92.09	26.94	4.87	30.99	148	44	P	V
	*	2412	99.66	-	-	88.91	26.94	4.87	30.99	148	44	A	V
802.11b CH 06 2437MHz		2389.1	53.9	-20.1	74	43.24	26.89	4.83	30.99	149	256	P	H
		2382.66	44.88	-9.12	54	34.27	26.84	4.83	30.99	149	256	A	H
	*	2437	110.49	-	-	99.62	27.04	4.88	30.98	149	256	P	H
	*	2437	107.43	-	-	96.56	27.04	4.88	30.98	149	256	A	H
		2491.67	53.24	-20.76	74	42.14	27.2	4.93	30.96	149	256	P	H
		2485.86	44.25	-9.75	54	33.21	27.15	4.93	30.97	149	256	A	H
		2388.54	52.04	-21.96	74	41.38	26.89	4.83	30.99	170	203	P	V
		2382.66	42.39	-11.61	54	31.78	26.84	4.83	30.99	170	203	A	V
	*	2437	106.07	-	-	95.2	27.04	4.88	30.98	170	203	P	V
	*	2437	102.95	-	-	92.08	27.04	4.88	30.98	170	203	A	V
		2490.62	51.93	-22.07	74	40.83	27.2	4.93	30.96	170	203	P	V
		2491.74	41.45	-12.55	54	30.35	27.2	4.93	30.96	170	203	A	V



		*	2462	108.6	-	-	97.64	27.1	4.9	30.97	227	268	P	H
802.11b CH 11 2462MHz		*	2462	105.41	-	-	94.45	27.1	4.9	30.97	227	268	A	H
			2491.28	54.64	-19.36	74	43.54	27.2	4.93	30.96	227	268	P	H
			2491.76	45.02	-8.98	54	33.92	27.2	4.93	30.96	227	268	A	H
		*	2462	103.09	-	-	92.13	27.1	4.9	30.97	331	161	P	V
		*	2462	99.89	-	-	88.93	27.1	4.9	30.97	331	161	A	V
			2490.8	52.84	-21.16	74	41.74	27.2	4.93	30.96	331	161	P	V
			2491.6	42.88	-11.12	54	31.78	27.2	4.93	30.96	331	161	A	V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 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)
802.11b CH 12 2467MHz	*	2467	107.24	-	-	96.26	27.1	4.92	30.97	223	271	P	H
	*	2467	104.21	-	-	93.23	27.1	4.92	30.97	223	271	A	H
		2483.68	57.11	-16.89	74	46.07	27.15	4.93	30.97	223	271	P	H
		2483.52	48.22	-5.78	54	37.18	27.15	4.93	30.97	223	271	A	H
	*	2467	102.53	-	-	91.55	27.1	4.92	30.97	320	47	P	V
	*	2467	99.43	-	-	88.45	27.1	4.92	30.97	320	47	A	V
		2484.08	53.58	-20.42	74	42.54	27.15	4.93	30.97	320	47	P	V
		2483.52	44.81	-9.19	54	33.77	27.15	4.93	30.97	320	47	A	V
802.11b CH 13 2472MHz	*	2472	104.62	-	-	93.59	27.15	4.92	30.97	224	282	P	H
	*	2472	101.5	-	-	90.47	27.15	4.92	30.97	224	282	A	H
		2483.56	57.05	-16.95	74	46.01	27.15	4.93	30.97	224	282	P	H
		2483.52	50.26	-3.74	54	39.22	27.15	4.93	30.97	224	282	A	H
	*	2472	98.54	-	-	87.51	27.15	4.92	30.97	100	214	P	V
	*	2472	95.37	-	-	84.34	27.15	4.92	30.97	100	214	A	V
		2483.56	52.77	-21.23	74	41.73	27.15	4.93	30.97	100	214	P	V
		2483.52	44.79	-9.21	54	33.75	27.15	4.93	30.97	100	214	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. 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)
802.11b CH 01 2412MHz		4824	54.99	-19.01	74	72.83	31.56	7.33	57.24	188	334	P	H
		4824	52.95	-1.05	54	70.79	31.56	7.33	57.24	188	334	A	H
		4824	54.07	-19.93	74	71.91	31.56	7.33	57.24	100	355	P	V
		4824	52.33	-1.67	54	70.17	31.56	7.33	57.24	100	355	A	V
802.11b CH 06 2437MHz		4874	53.35	-20.65	74	70.95	31.63	7.44	57.17	119	327	P	H
		4874	51.88	-2.12	54	69.48	31.63	7.44	57.17	119	327	A	H
		7311	43.97	-30.03	74	55.49	36.16	9.13	57.27	100	0	P	H
		4874	51.14	-22.86	74	68.74	31.63	7.44	57.17	114	350	P	V
		4874	49.52	-4.48	54	67.12	31.63	7.44	57.17	114	350	A	V
		7311	44.18	-29.82	74	55.7	36.16	9.13	57.27	100	0	P	V
802.11b CH 11 2462MHz		4924	54.79	-19.21	74	72.17	31.7	7.52	57.1	105	243	P	H
		4924	53.35	-0.65	54	70.73	31.7	7.52	57.1	105	243	A	H
		7386	45.33	-28.67	74	56.78	36.31	9.18	57.38	100	0	P	H
		4924	53.07	-20.93	74	70.45	31.7	7.52	57.1	112	355	P	V
		4924	51.86	-2.14	54	69.24	31.7	7.52	57.1	112	355	A	V
		7386	45.2	-28.8	74	56.65	36.31	9.18	57.38	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 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)
802.11b CH 12 2467MHz		4934	53.72	-20.28	74	71.08	31.7	7.55	57.1	118	340	P	H
		4934	52.2	-1.8	54	69.56	31.7	7.55	57.1	118	340	A	H
		7401	44.22	-29.78	74	55.65	36.34	9.19	57.4	100	0	P	H
		4934	51.63	-22.37	74	68.99	31.7	7.55	57.1	110	357	P	V
		4934	49.92	-4.08	54	67.28	31.7	7.55	57.1	110	357	A	V
		7401	44.23	-29.77	74	55.66	36.34	9.19	57.4	100	0	P	V
802.11b CH 13 2472MHz		4944	48.51	-25.49	74	65.81	31.73	7.55	57.07	100	0	P	H
		7416	43.31	-30.69	74	54.72	36.34	9.2	57.4	100	0	P	H
		4944	46.51	-27.49	74	63.81	31.73	7.55	57.07	100	0	P	V
		7416	43.62	-30.38	74	55.03	36.34	9.2	57.4	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

WIFI 802.11g (Band Edge @ 3m)

WIFI Ant. 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)
802.11g CH 01 2412MHz		2389.905	67.3	-6.7	74	56.64	26.89	4.83	30.99	176	279	P	H
		2390	51.74	-2.26	54	41.08	26.89	4.83	30.99	176	279	A	H
	*	2412	108.53	-	-	97.78	26.94	4.87	30.99	176	279	P	H
	*	2412	101.06	-	-	90.31	26.94	4.87	30.99	176	279	A	H
		2390	62.33	-11.67	74	51.67	26.89	4.83	30.99	100	207	P	V
		2389.905	47.48	-6.52	54	36.82	26.89	4.83	30.99	100	207	A	V
	*	2412	104.22	-	-	93.47	26.94	4.87	30.99	100	207	P	V
	*	2412	96.35	-	-	85.6	26.94	4.87	30.99	100	207	A	V
802.11g CH 06 2437MHz		2388.12	55.68	-18.32	74	45.02	26.89	4.83	30.99	204	281	P	H
		2389.66	45.73	-8.27	54	35.07	26.89	4.83	30.99	204	281	A	H
	*	2437	111.91	-	-	101.04	27.04	4.88	30.98	204	281	P	H
	*	2437	104.54	-	-	93.67	27.04	4.88	30.98	204	281	A	H
		2483.62	57.11	-16.89	74	46.07	27.15	4.93	30.97	204	281	P	H
		2484.04	45.84	-8.16	54	34.8	27.15	4.93	30.97	204	281	A	H
		2389.24	52.98	-21.02	74	42.32	26.89	4.83	30.99	109	215	P	V
		2387.98	42.59	-11.41	54	31.93	26.89	4.83	30.99	109	215	A	V
	*	2437	107.33	-	-	96.46	27.04	4.88	30.98	109	215	P	V
	*	2437	99.42	-	-	88.55	27.04	4.88	30.98	109	215	A	V
		2488.66	53.59	-20.41	74	42.49	27.2	4.93	30.96	109	215	P	V
		2486.98	43.28	-10.72	54	32.24	27.15	4.93	30.97	109	215	A	V



		*	2462	108.76	-	-	97.8	27.1	4.9	30.97	199	291	P	H
802.11g CH 11 2462MHz		*	2462	101.31	-	-	90.35	27.1	4.9	30.97	199	291	A	H
			2483.84	66.15	-7.85	74	55.11	27.15	4.93	30.97	199	291	P	H
			2483.64	52.65	-1.35	54	41.61	27.15	4.93	30.97	199	291	A	H
		*	2462	103.39	-	-	92.43	27.1	4.9	30.97	100	215	P	V
		*	2462	96.3	-	-	85.34	27.1	4.9	30.97	100	215	A	V
			2483.56	59.28	-14.72	74	48.24	27.15	4.93	30.97	100	215	P	V
			2483.52	46.99	-7.01	54	35.95	27.15	4.93	30.97	100	215	A	V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 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)
802.11g CH 12 2467MHz	*	2467	103.51	-	-	92.53	27.1	4.92	30.97	225	295	P	H
	*	2467	95.92	-	-	84.94	27.1	4.92	30.97	225	295	A	H
		2483.56	67.29	-6.71	74	56.25	27.15	4.93	30.97	225	295	P	H
		2483.52	52.11	-1.89	54	41.07	27.15	4.93	30.97	225	295	A	H
	*	2467	98.47	-	-	87.49	27.1	4.92	30.97	100	215	P	V
	*	2467	90.91	-	-	79.93	27.1	4.92	30.97	100	215	A	V
		2483.68	61.31	-12.69	74	50.27	27.15	4.93	30.97	100	215	P	V
		2483.52	46.75	-7.25	54	35.71	27.15	4.93	30.97	100	215	A	V
802.11g CH 13 2472MHz	*	2472	103.09	-	-	92.06	27.15	4.92	30.97	223	280	P	H
	*	2472	94.94	-	-	83.91	27.15	4.92	30.97	223	280	A	H
		2483.72	68.67	-5.33	74	57.63	27.15	4.93	30.97	223	280	P	H
		2483.96	51.55	-2.45	54	40.51	27.15	4.93	30.97	223	280	A	H
	*	2472	96.75	-	-	85.72	27.15	4.92	30.97	100	215	P	V
	*	2472	88.97	-	-	77.94	27.15	4.92	30.97	100	215	A	V
		2483.76	61.88	-12.12	74	50.84	27.15	4.93	30.97	100	215	P	V
		2483.52	46.1	-7.9	54	35.06	27.15	4.93	30.97	100	215	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI Ant. 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.
802.11g CH 01 2412MHz		4824	46.59	-27.41	74	64.43	31.56	7.33	57.24	100	0	P	H
		4824	46.2	-27.8	74	64.04	31.56	7.33	57.24	100	0	P	V
802.11g CH 06 2437MHz		4874	51.29	-22.71	74	68.89	31.63	7.44	57.17	122	336	P	H
		4874	42.15	-11.85	54	59.75	31.63	7.44	57.17	122	336	A	H
		7311	44.44	-29.56	74	55.96	36.16	9.13	57.27	100	0	P	H
		4874	47.7	-26.3	74	65.3	31.63	7.44	57.17	100	0	P	V
		7311	44.93	-29.07	74	56.45	36.16	9.13	57.27	100	0	P	V
802.11g CH 11 2462MHz		4924	49.24	-24.76	74	66.62	31.7	7.52	57.1	100	0	P	H
		7386	45.11	-28.89	74	56.56	36.31	9.18	57.38	100	0	P	H
		4924	47.89	-26.11	74	65.27	31.7	7.52	57.1	100	0	P	V
		7386	44.75	-29.25	74	56.2	36.31	9.18	57.38	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 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.
802.11g CH 12 2467MHz		4934	44.54	-29.46	74	61.9	31.7	7.55	57.1	100	0	P	H
		7401	43.38	-30.62	74	54.81	36.34	9.19	57.4	100	0	P	H
		4934	42.22	-31.78	74	59.58	31.7	7.55	57.1	100	0	P	V
		7401	44.82	-29.18	74	56.25	36.34	9.19	57.4	100	0	P	V
802.11g CH 13 2472MHz		4944	42.06	-31.94	74	59.36	31.73	7.55	57.07	100	0	P	H
		7416	43.39	-30.61	74	54.8	36.34	9.2	57.4	100	0	P	H
		4944	40.5	-33.5	74	57.8	31.73	7.55	57.07	100	0	P	V
		7416	43.91	-30.09	74	55.32	36.34	9.2	57.4	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

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 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 01 2412MHz		2390	63.62	-10.38	74	52.96	26.89	4.83	30.99	178	283	P	H
		2389.8	50.36	-3.64	54	39.7	26.89	4.83	30.99	178	283	A	H
	*	2412	106	-	-	95.25	26.94	4.87	30.99	178	283	P	H
	*	2412	98.51	-	-	87.76	26.94	4.87	30.99	178	283	A	H
		2389.485	60.51	-13.49	74	49.85	26.89	4.83	30.99	131	217	P	V
		2390	47.25	-6.75	54	36.59	26.89	4.83	30.99	131	217	A	V
	*	2412	100.9	-	-	90.15	26.94	4.87	30.99	131	217	P	V
	*	2412	93.4	-	-	82.65	26.94	4.87	30.99	131	217	A	V
802.11n HT20 CH 06 2437MHz		2385.74	55.56	-18.44	74	44.9	26.89	4.83	30.99	203	270	P	H
		2389.52	46.31	-7.69	54	35.65	26.89	4.83	30.99	203	270	A	H
	*	2437	111.87	-	-	101	27.04	4.88	30.98	203	270	P	H
	*	2437	104.84	-	-	93.97	27.04	4.88	30.98	203	270	A	H
		2491.95	55.58	-18.42	74	44.48	27.2	4.93	30.96	203	270	P	H
		2485.09	45.95	-8.05	54	34.91	27.15	4.93	30.97	203	270	A	H
		2385.74	52.3	-21.7	74	41.64	26.89	4.83	30.99	125	217	P	V
		2388.12	42.56	-11.44	54	31.9	26.89	4.83	30.99	125	217	A	V
	*	2437	107.73	-	-	96.86	27.04	4.88	30.98	125	217	P	V
	*	2437	99.93	-	-	89.06	27.04	4.88	30.98	125	217	A	V
		2487.68	52.99	-21.01	74	41.89	27.2	4.93	30.96	125	217	P	V
		2487.19	43.44	-10.56	54	32.4	27.15	4.93	30.97	125	217	A	V



	*	2462	107.21	-	-	96.25	27.1	4.9	30.97	169	272	P	H
	*	2462	99.74	-	-	88.78	27.1	4.9	30.97	169	272	A	H
		2484	67.12	-6.88	74	56.08	27.15	4.93	30.97	169	272	P	H
802.11n		2483.56	51.85	-2.15	54	40.81	27.15	4.93	30.97	169	272	A	H
HT20		2462	102.55	-	-	91.59	27.1	4.9	30.97	212	207	P	V
CH 11	*	2462	95.31	-	-	84.35	27.1	4.9	30.97	212	207	A	V
2462MHz		2483.64	57.68	-16.32	74	46.64	27.15	4.93	30.97	212	207	P	V
		2483.52	46.04	-7.96	54	35	27.15	4.93	30.97	212	207	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 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.
802.11n HT20 CH 12 2467MHz	*	2467	103.47	-	-	92.49	27.1	4.92	30.97	198	275	P	H
	*	2467	95.84	-	-	84.86	27.1	4.92	30.97	198	275	A	H
		2484	67.41	-6.59	74	56.37	27.15	4.93	30.97	198	275	P	H
		2483.6	52.42	-1.58	54	41.38	27.15	4.93	30.97	198	275	A	H
	*	2467	98.81	-	-	87.83	27.1	4.92	30.97	162	210	P	V
	*	2467	91.03	-	-	80.05	27.1	4.92	30.97	162	210	A	V
		2486.88	60.45	-13.55	74	49.41	27.15	4.93	30.97	162	210	P	V
		2483.64	47.5	-6.5	54	36.46	27.15	4.93	30.97	162	210	A	V
802.11n HT20 CH 13 2472MHz	*	2472	102.28	-	-	91.25	27.15	4.92	30.97	201	275	P	H
	*	2472	94.43	-	-	83.4	27.15	4.92	30.97	201	275	A	H
		2484.28	69.03	-4.97	74	57.99	27.15	4.93	30.97	201	275	P	H
		2483.72	52.33	-1.67	54	41.29	27.15	4.93	30.97	201	275	A	H
	*	2472	97.71	-	-	86.68	27.15	4.92	30.97	103	318	P	V
	*	2472	89.76	-	-	78.73	27.15	4.92	30.97	103	318	A	V
		2483.6	64.49	-9.51	74	53.45	27.15	4.93	30.97	103	318	P	V
		2483.52	50.25	-3.75	54	39.21	27.15	4.93	30.97	103	318	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 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 01 2412MHz		4824	46.38	-27.62	74	64.22	31.56	7.33	57.24	100	0	P	H
		4824	46.23	-27.77	74	64.07	31.56	7.33	57.24	100	0	P	V
802.11n HT20 CH 06 2437MHz		4874	48.88	-25.12	74	66.48	31.63	7.44	57.17	100	0	P	H
		7311	44.72	-29.28	74	56.24	36.16	9.13	57.27	100	0	P	H
		4874	47.49	-26.51	74	65.09	31.63	7.44	57.17	100	0	P	V
		7311	45.75	-28.25	74	57.27	36.16	9.13	57.27	100	0	P	V
802.11n HT20 CH 11 2462MHz		4924	48.77	-25.23	74	66.15	31.7	7.52	57.1	100	0	P	H
		7386	44.69	-29.31	74	56.14	36.31	9.18	57.38	100	0	P	H
		4924	46.04	-27.96	74	63.42	31.7	7.52	57.1	100	0	P	V
		7386	45.6	-28.4	74	57.05	36.31	9.18	57.38	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 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		4934	43.67	-30.33	74	61.03	31.7	7.55	57.1	100	0	P	H
HT20		7401	43.69	-30.31	74	55.12	36.34	9.19	57.4	100	0	P	H
CH 12		4934	42.24	-31.76	74	59.6	31.7	7.55	57.1	100	0	P	V
2467MHz		7401	44.92	-29.08	74	56.35	36.34	9.19	57.4	100	0	P	V
802.11n		4944	43.27	-30.73	74	60.57	31.73	7.55	57.07	100	0	P	H
HT20		7416	43.57	-30.43	74	54.98	36.34	9.2	57.4	100	0	P	H
CH 13		4944	41.92	-32.08	74	59.22	31.73	7.55	57.07	100	0	P	V
2472MHz		7416	43.29	-30.71	74	54.7	36.34	9.2	57.4	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 802.11b (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.	
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 802.11b LF		30	21.77	-18.23	40	30.91	22.63	0.59	32.34	-	-	P	H	
		92.64	22.49	-21.01	43.5	43.19	10.52	0.95	32.29	-	-	P	H	
		228.99	27.02	-18.98	46	45.02	12.62	1.53	32.23	-	-	P	H	
		339.2	24.4	-21.6	46	37.7	16.95	1.81	32.14	-	-	P	H	
		761.3	28.37	-17.63	46	32.39	25.23	2.71	32.06	-	-	P	H	
		953.8	31.9	-14.1	46	31.58	28.14	3.06	31.02	100	0	P	H	
		59.97	32.87	-7.13	40	55.8	8.56	0.84	32.31	100	0	P	V	
		96.42	25.62	-17.88	43.5	45.58	11.2	1	32.29	-	-	P	V	
		272.19	23.45	-22.55	46	37.98	15.94	1.63	32.17	-	-	P	V	
		441.4	26.32	-19.68	46	36.78	19.53	2.1	32.17	-	-	P	V	
		726.3	26.34	-19.66	46	31.17	24.53	2.66	32.12	-	-	P	V	
		954.5	31.11	-14.89	46	30.72	28.21	3.06	31.02	-	-	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.	
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 CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

$$1. \text{ Level(dB}\mu\text{V/m)} =$$

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

$$2. \text{ Over Limit(dB)} = \text{Level(dB}\mu\text{V/m)} - \text{Limit Line(dB}\mu\text{V/m)}$$

For Peak Limit @ 2390MHz:

$$1. \text{ Level(dB}\mu\text{V/m)}$$

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

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

$$= 55.45 (\text{dB}\mu\text{V/m})$$

$$2. \text{ Over Limit(dB)}$$

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

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

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

For Average Limit @ 2390MHz:

$$1. \text{ Level(dB}\mu\text{V/m)}$$

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

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

$$= 43.54 (\text{dB}\mu\text{V/m})$$

$$2. \text{ Over Limit(dB)}$$

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

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

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

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



Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Alex Jheng, Bill Chang and Wilson Wu	Temperature :	25.1~25.5°C
		Relative Humidity :	55~57%

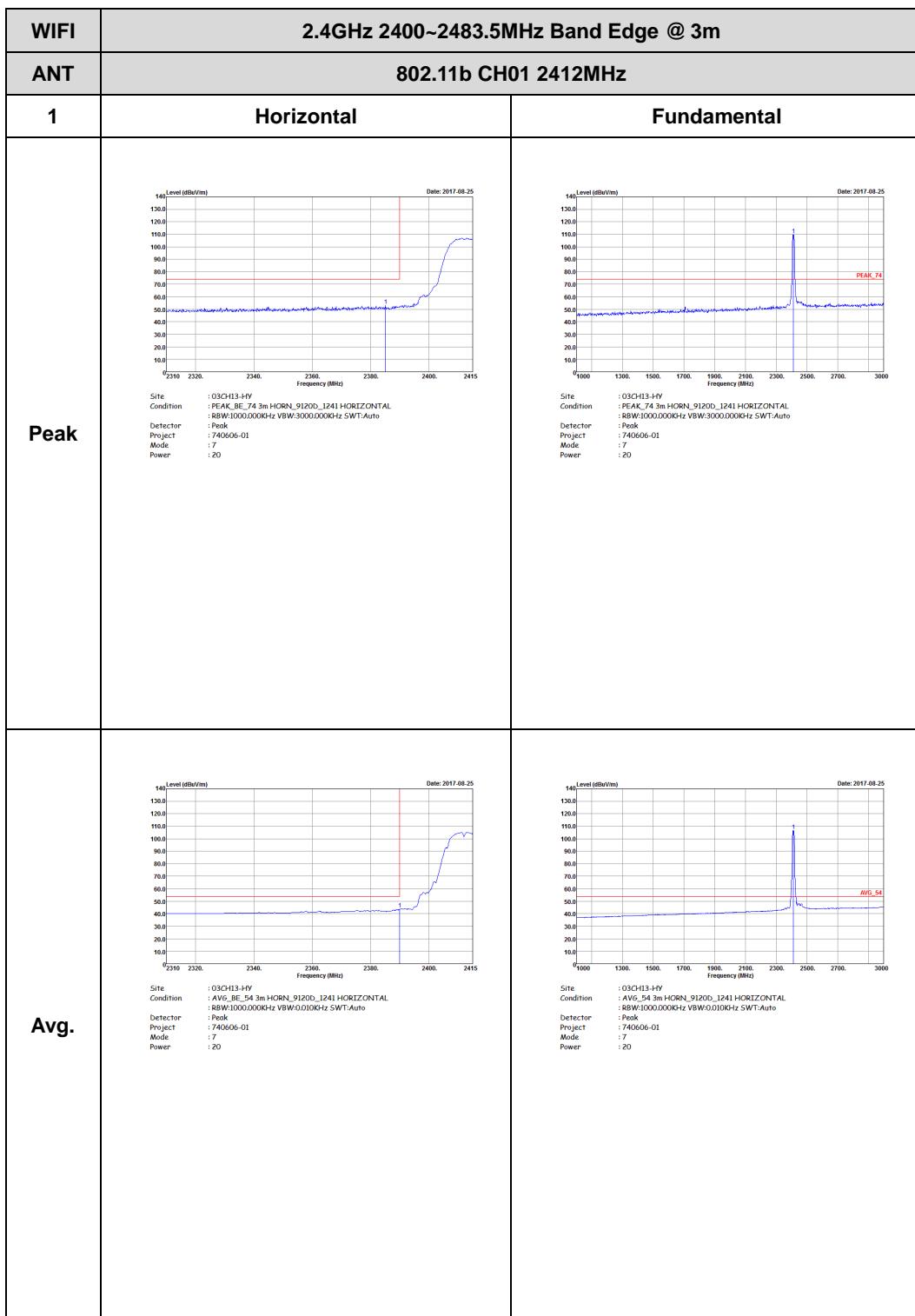
Note symbol

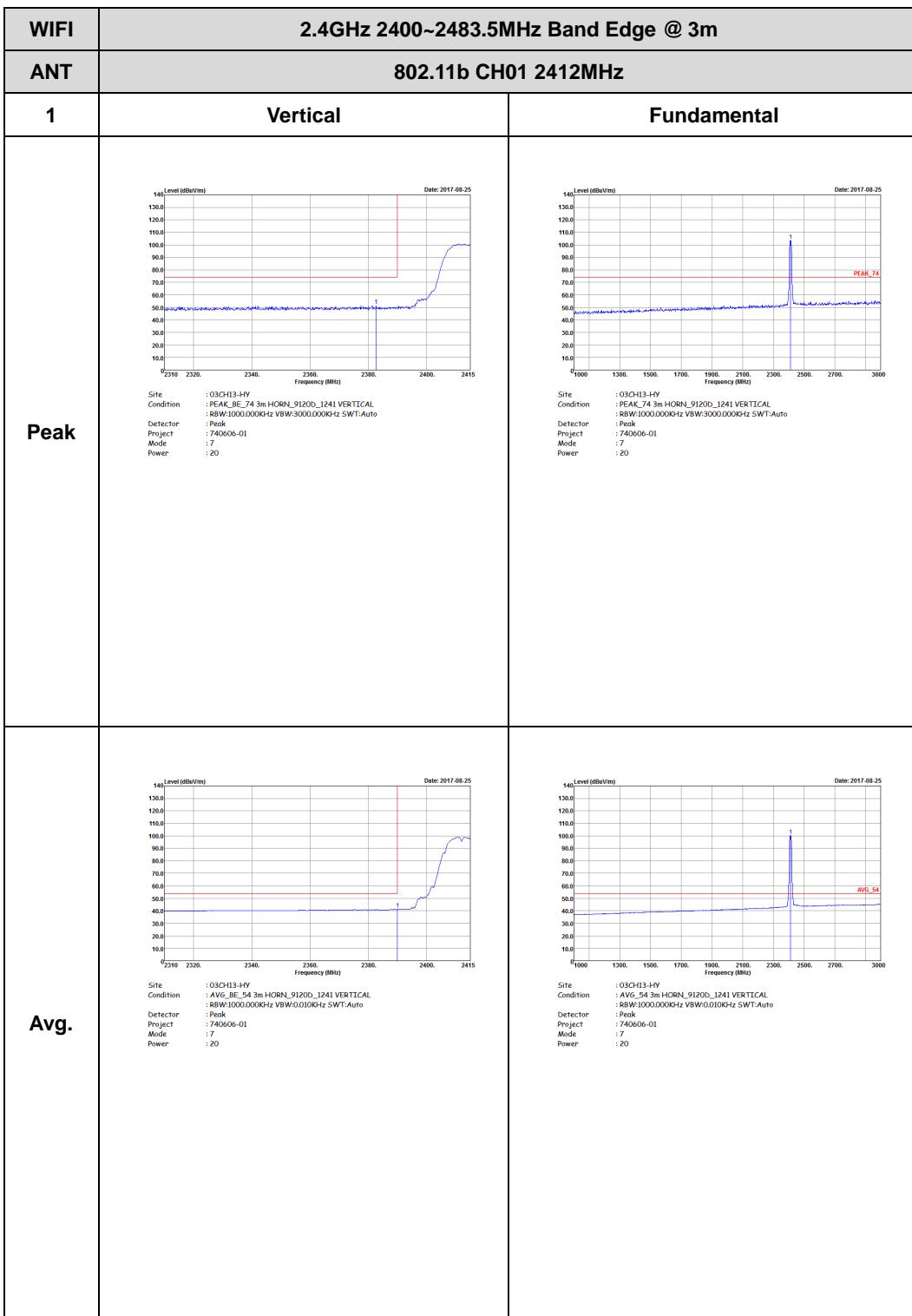
-L	Low channel location
-R	High channel location

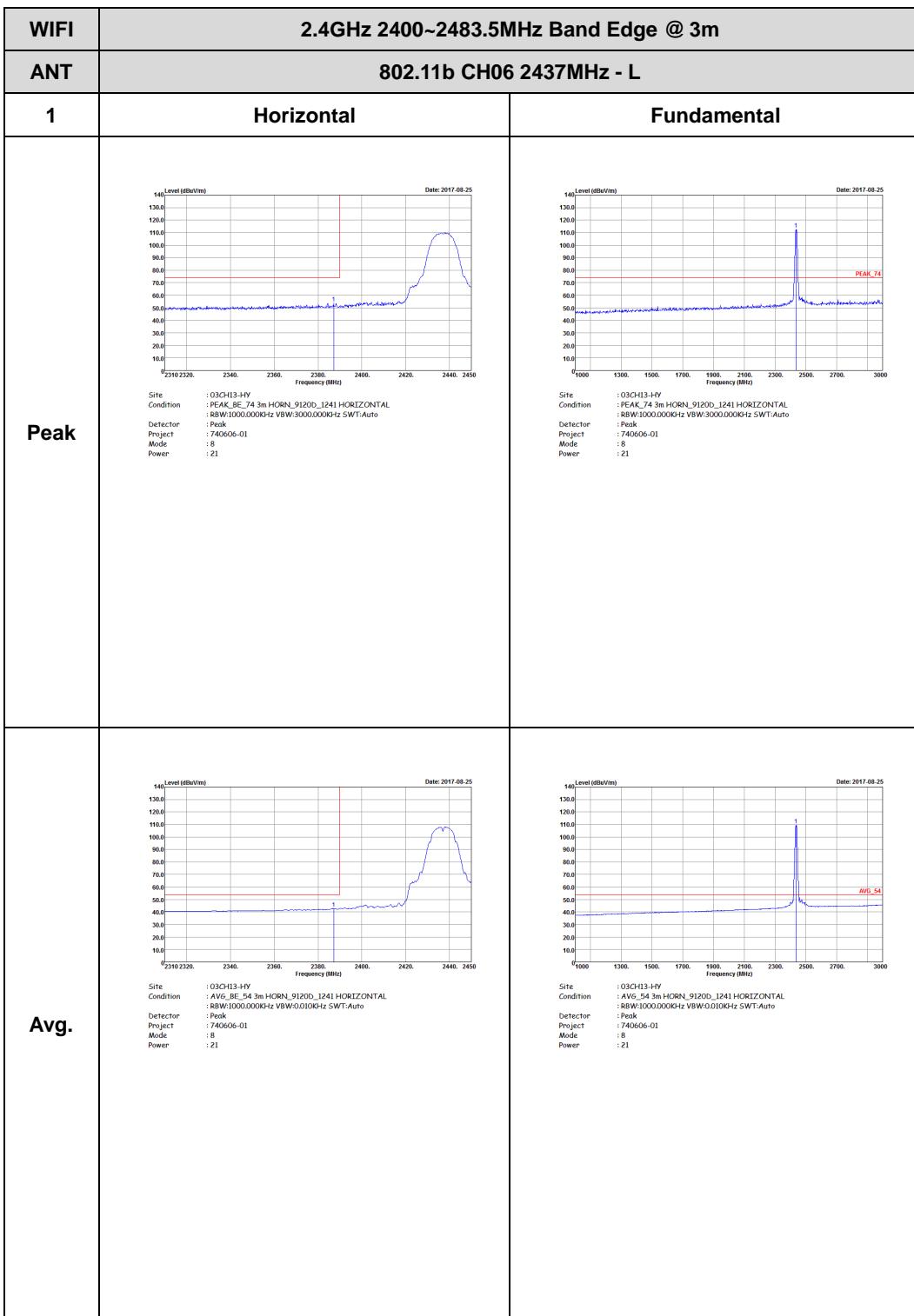


2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

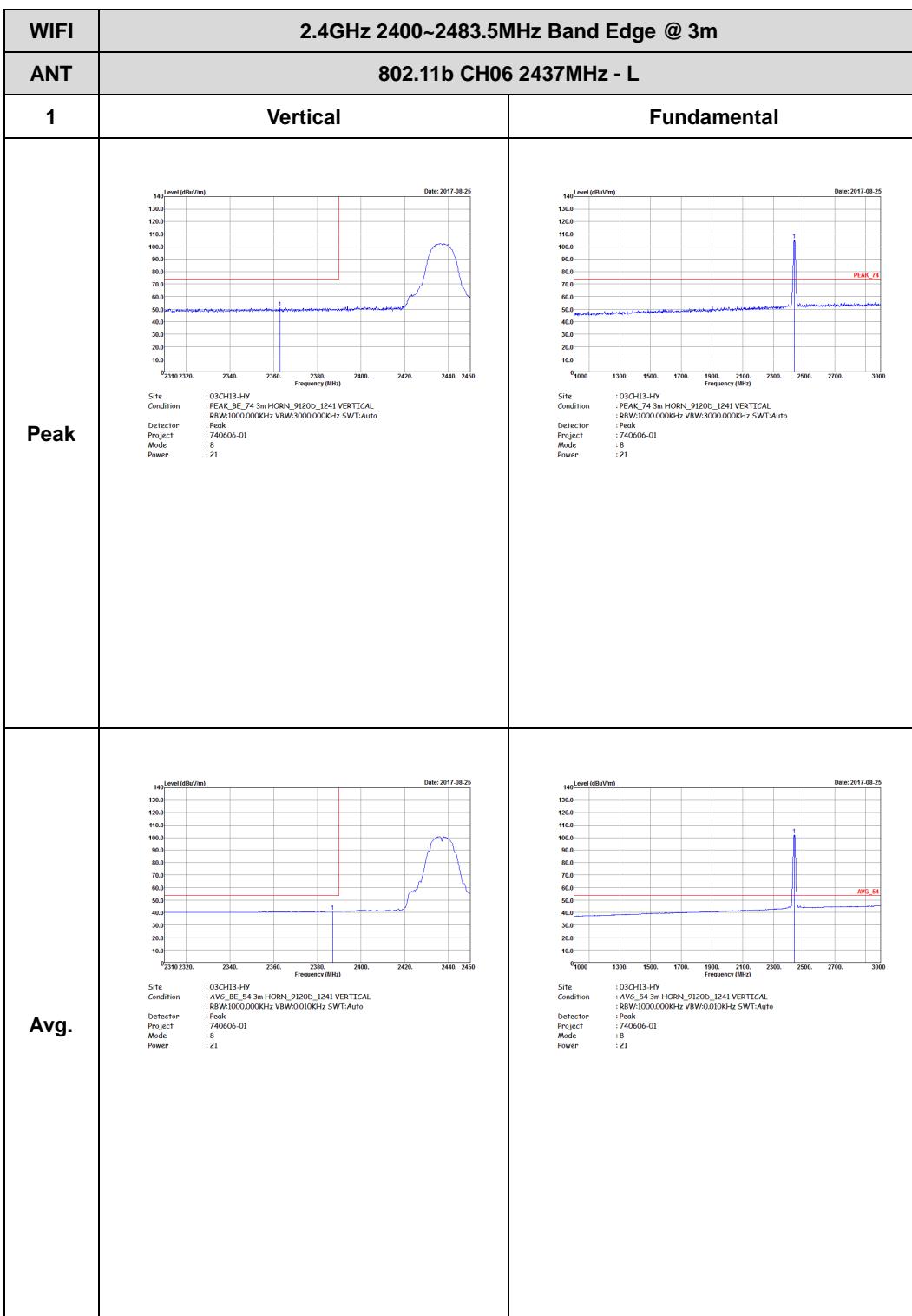






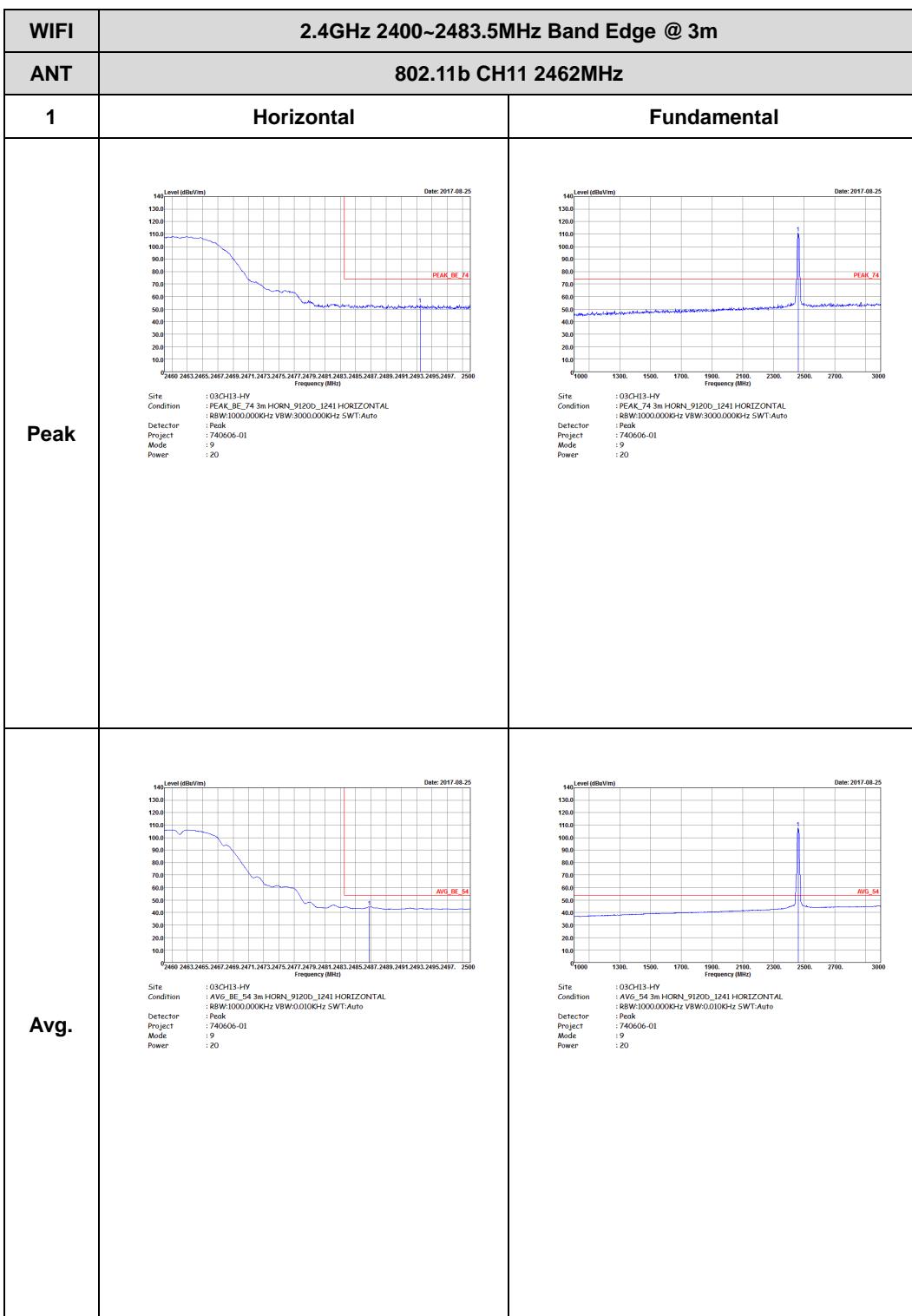


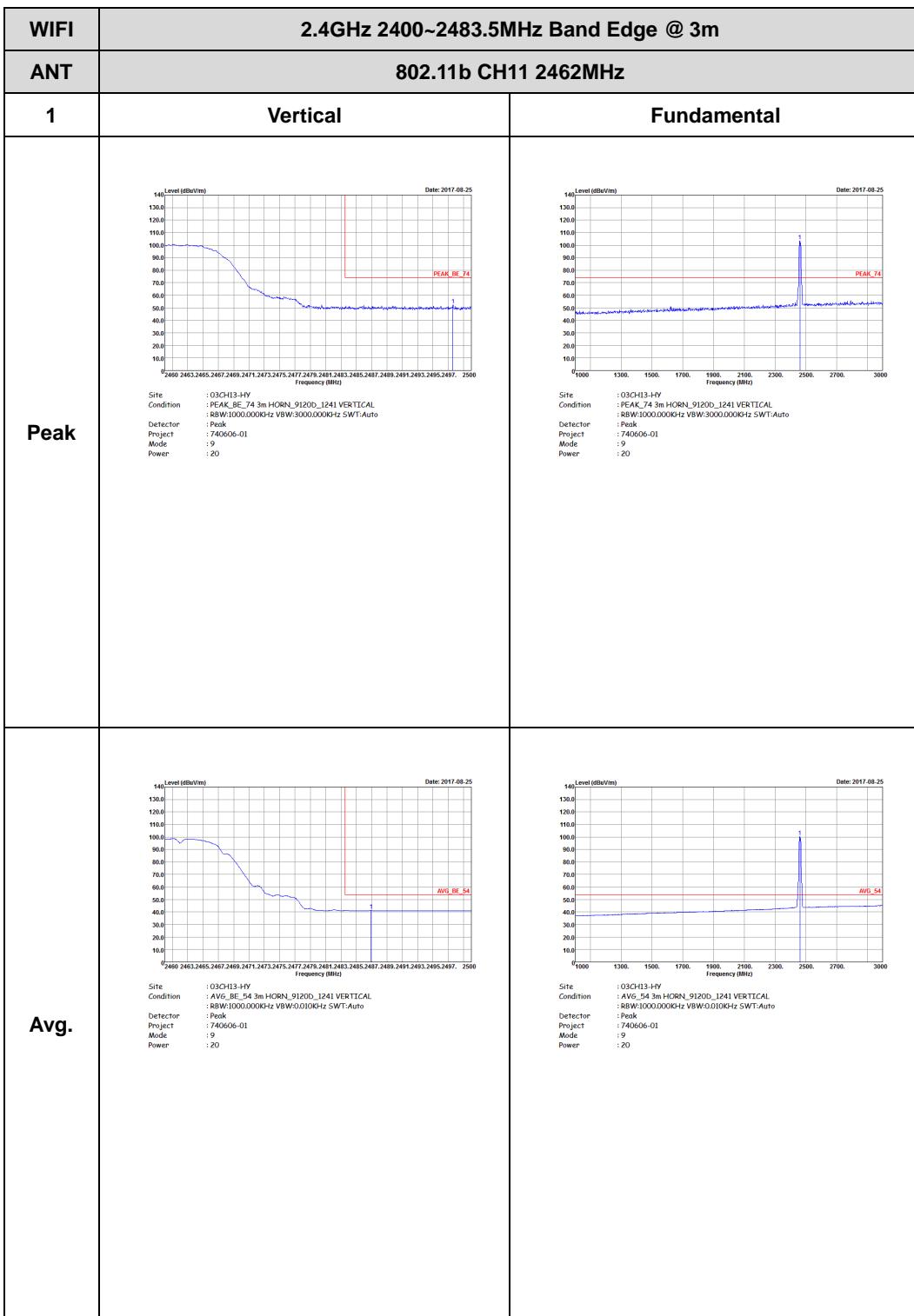
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Level (dBuV/m)</p> <p>Date: 2017-08-25</p> <p>Site : 03CH13-HY Condition : PCMK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : R8W1000.000KHz VBW:3000.000Hz SWT:Auto Project : Peak Mode : 8 Power : 21</p>	Left blank
Avg.	 <p>Level (dBuV/m)</p> <p>Date: 2017-08-25</p> <p>Site : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Condition : R8W1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 740606-01 Mode : 8 Power : 21</p>	Left blank

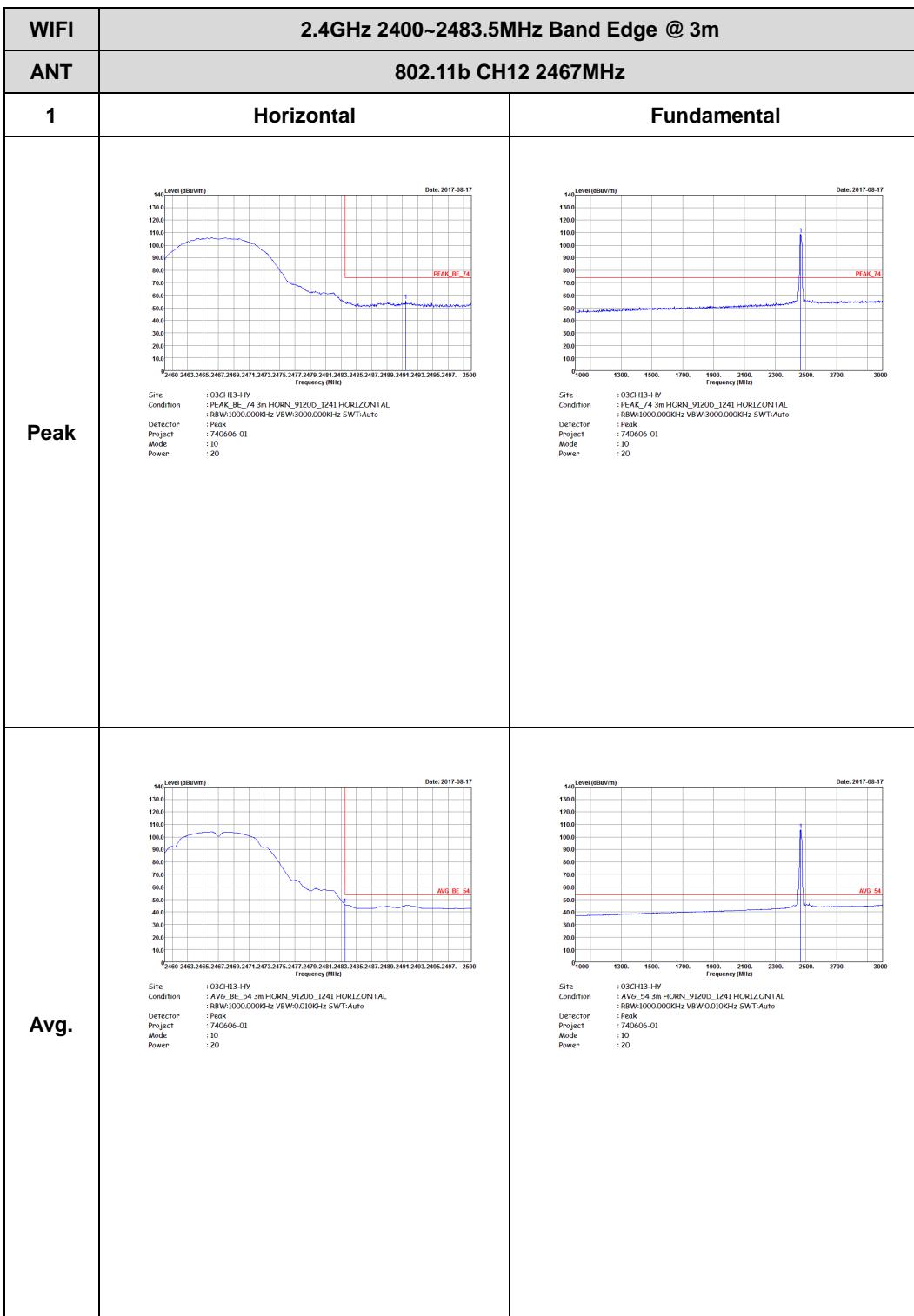


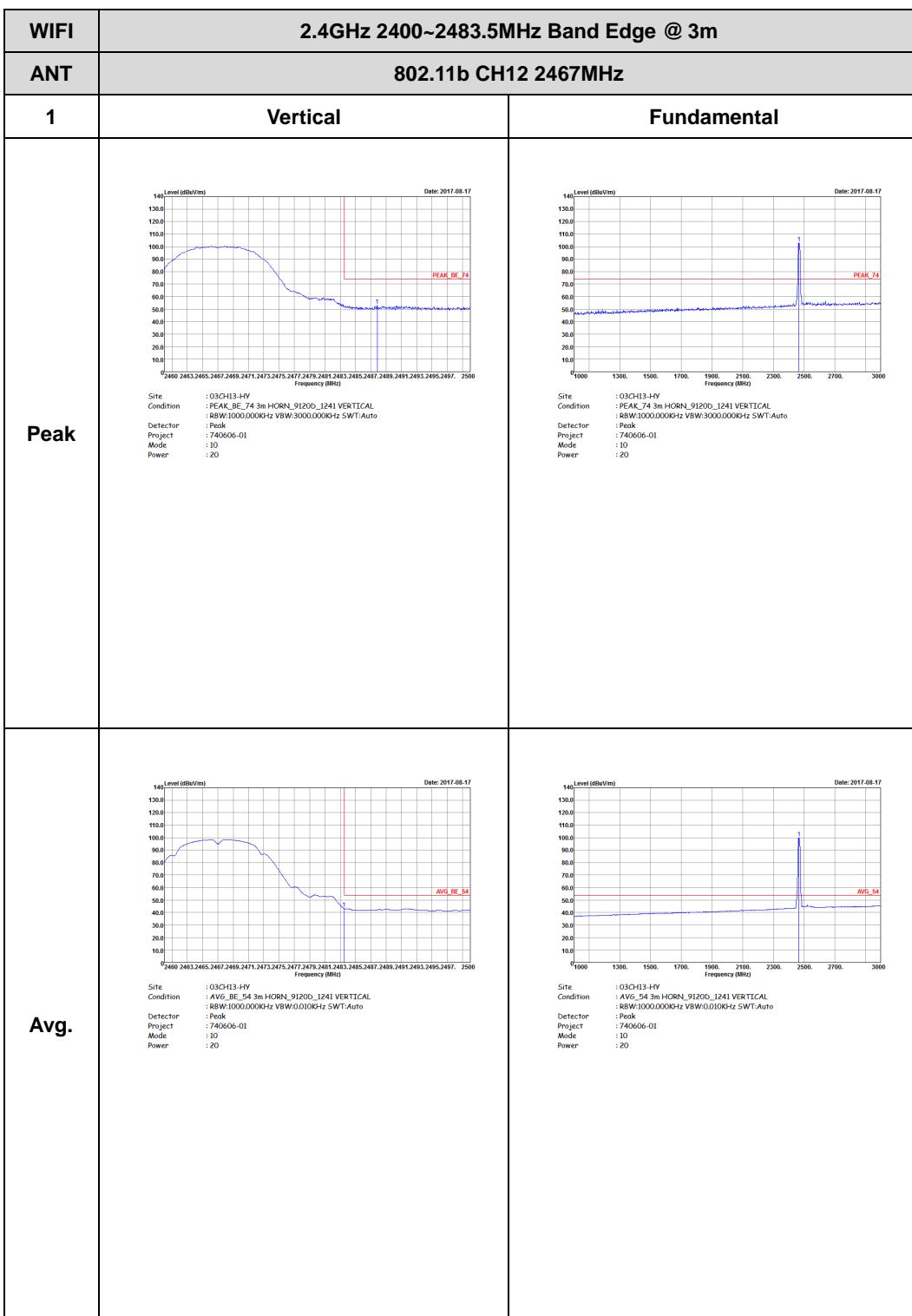


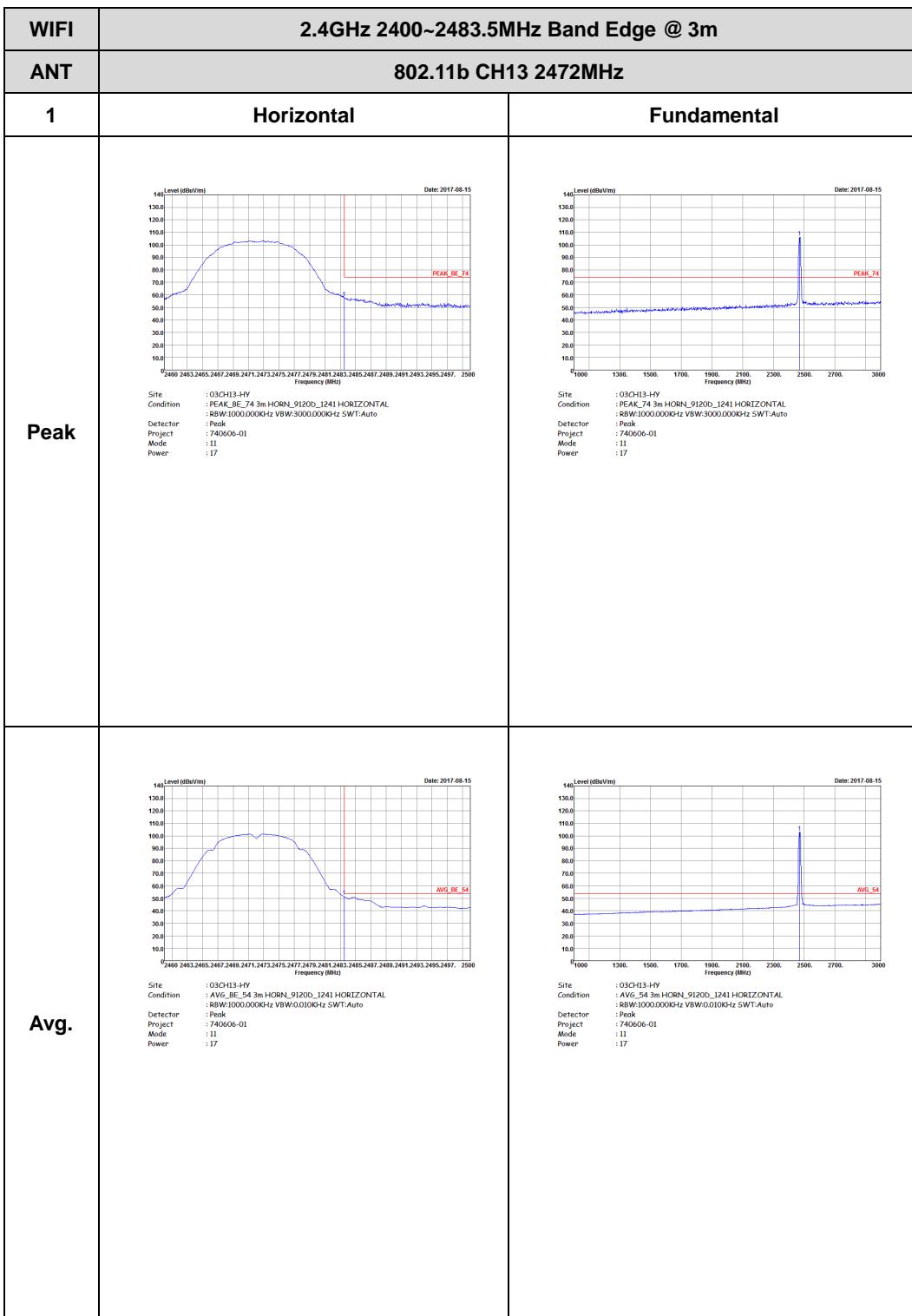
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	 <p>Level (dBm/V/m)</p> <p>Date: 2017-08-25</p> <p>Site : 03CH13-HV Condition : PCMK_BE_74 3m HORN_91200_1241 VERTICAL Detector : R8W:1000.000KHz VBW:3000.000Hz SWT:Auto Project : Peak Mode : 8 Power : 21</p>	Left blank
Avg.	 <p>Level (dBm/V/m)</p> <p>Date: 2017-08-25</p> <p>Site : AVG_BE_54 3m HORN_91200_1241 VERTICAL Condition : R8W:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 740606-01 Mode : 8 Power : 21</p>	Left blank

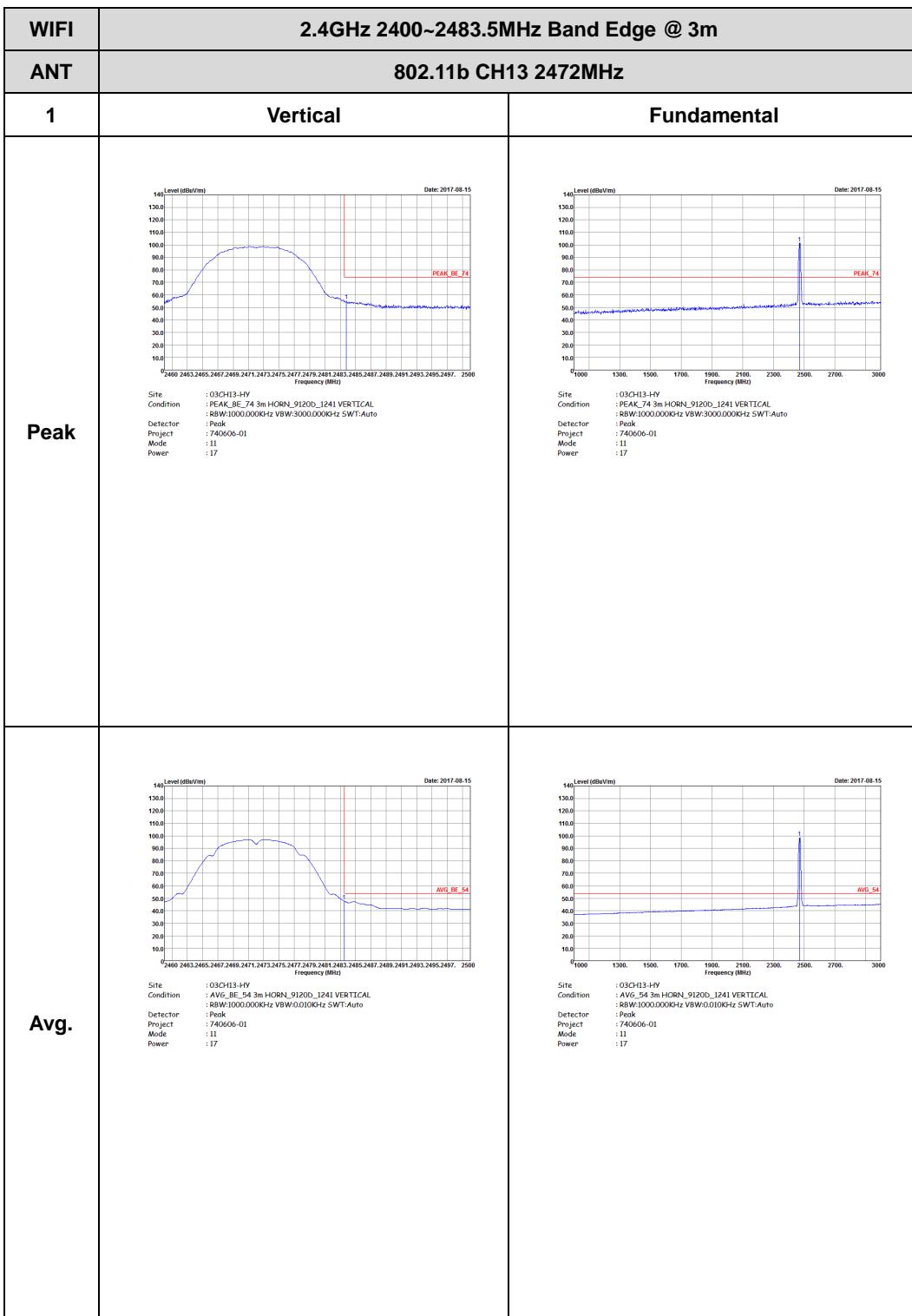








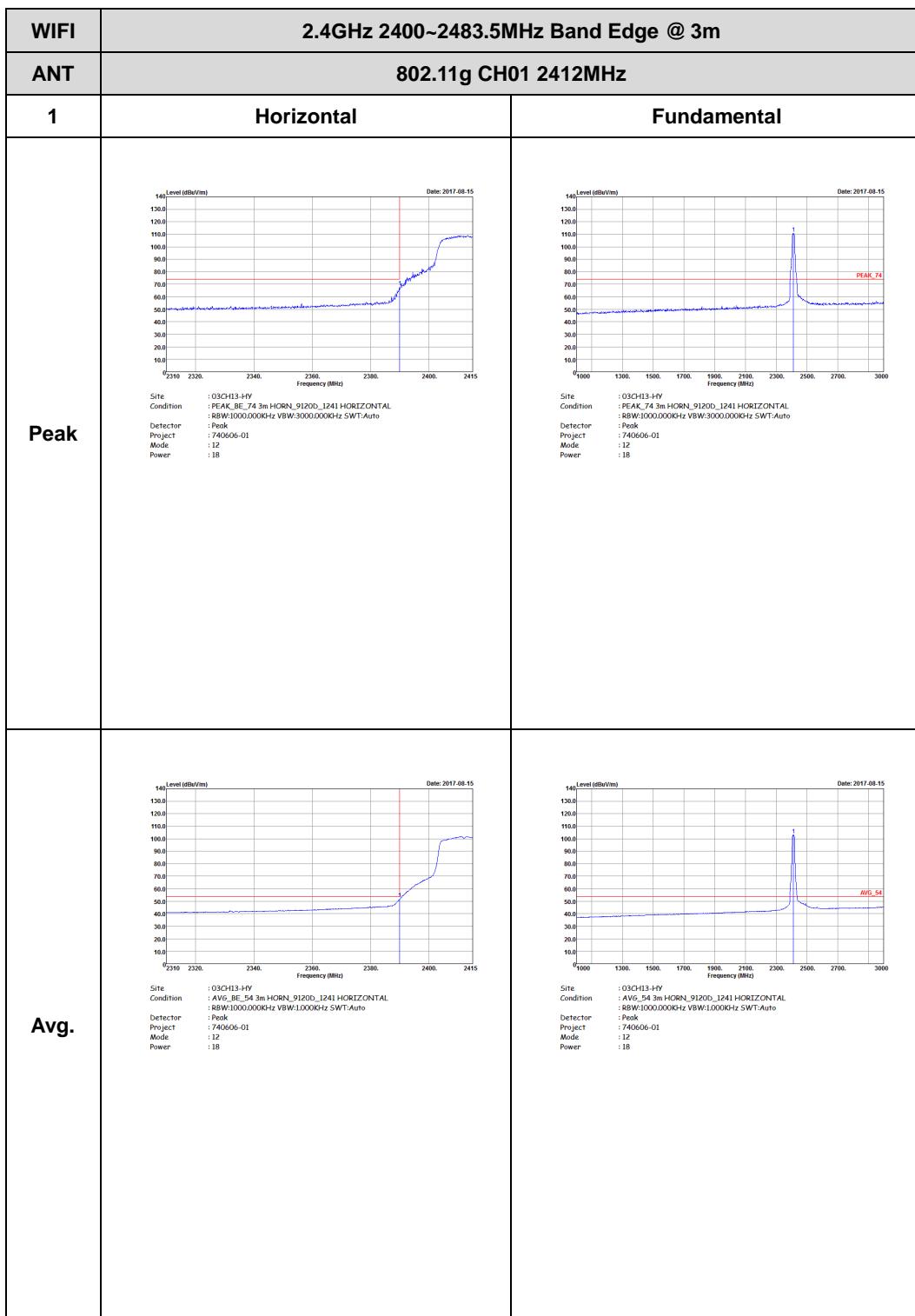


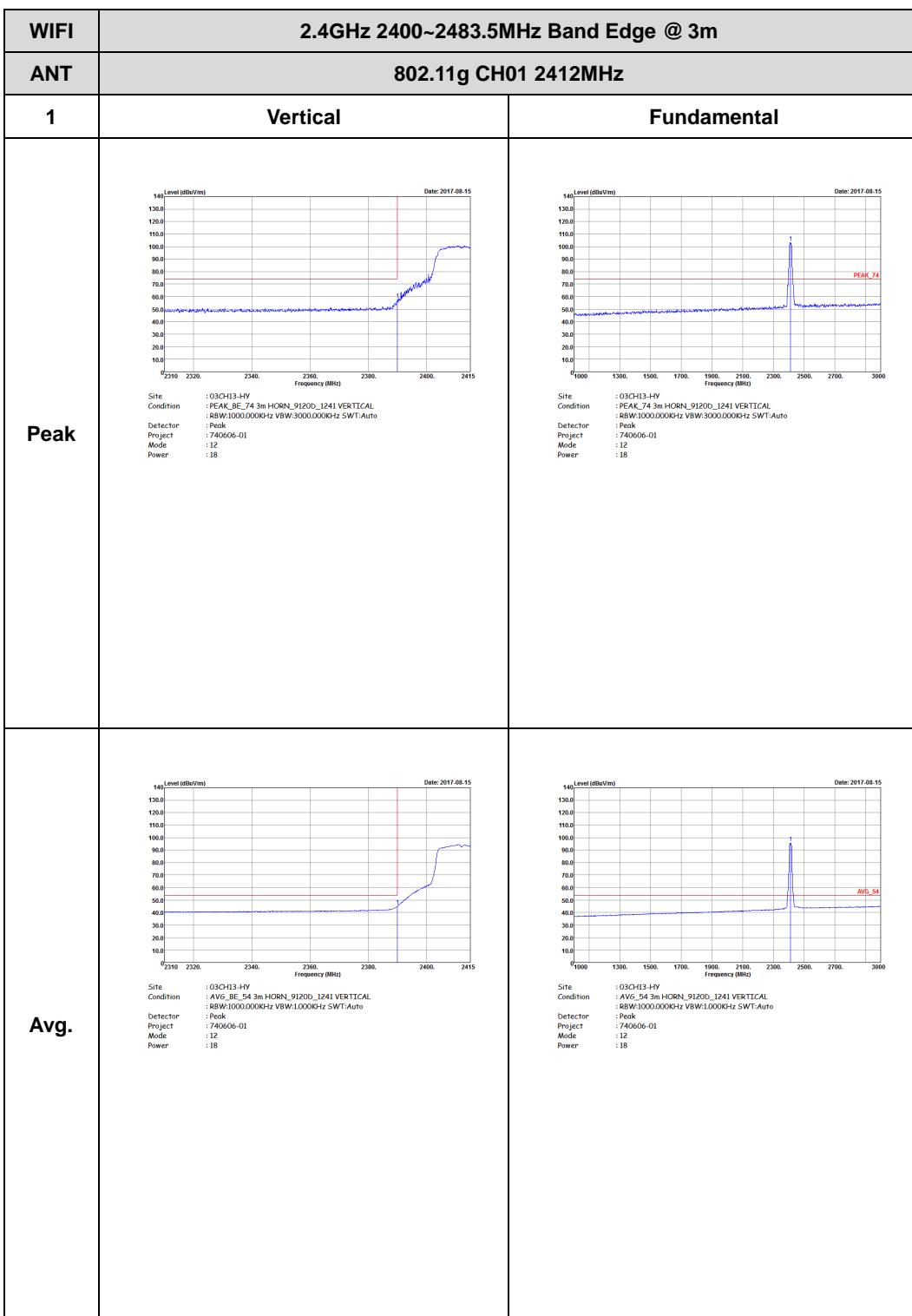


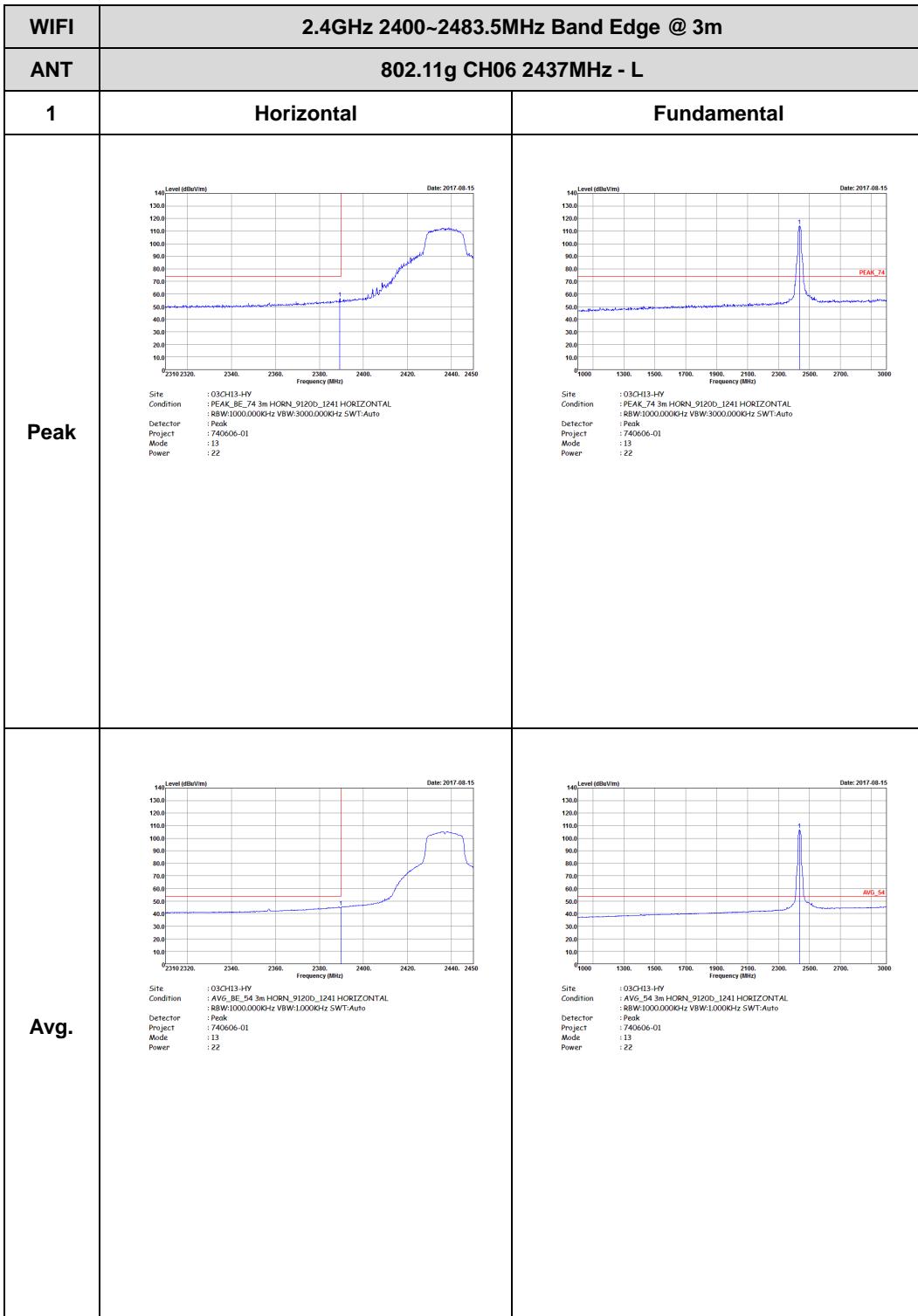


2.4GHz 2400~2483.5MHz

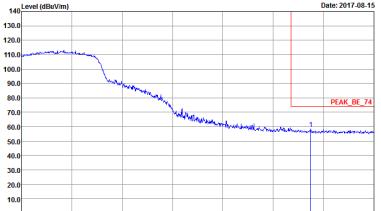
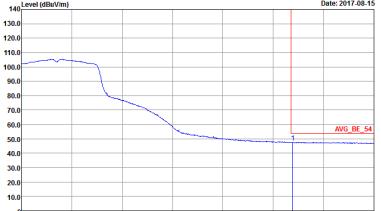
WIFI 802.11g (Band Edge @ 3m)

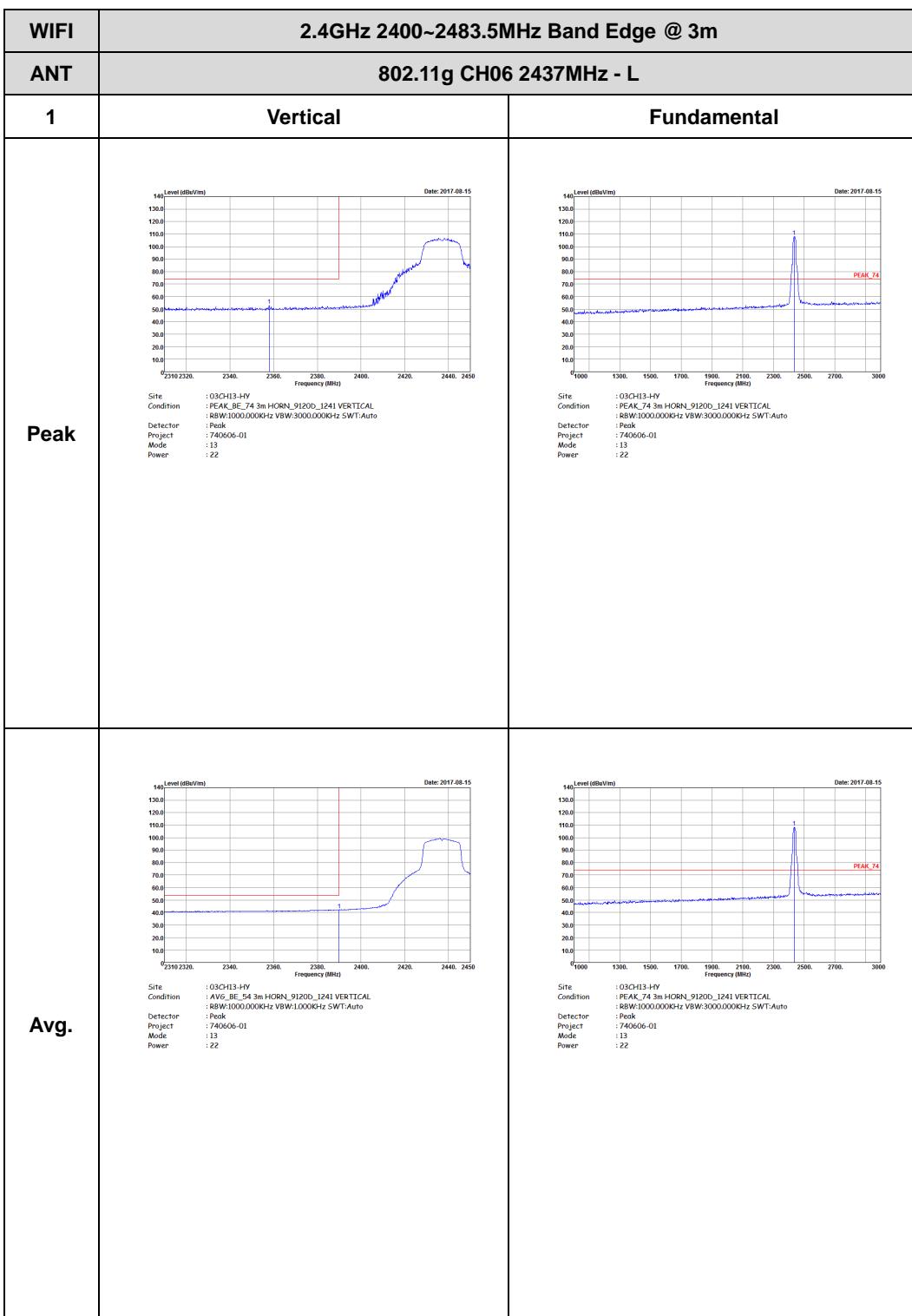




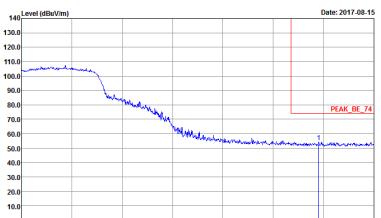


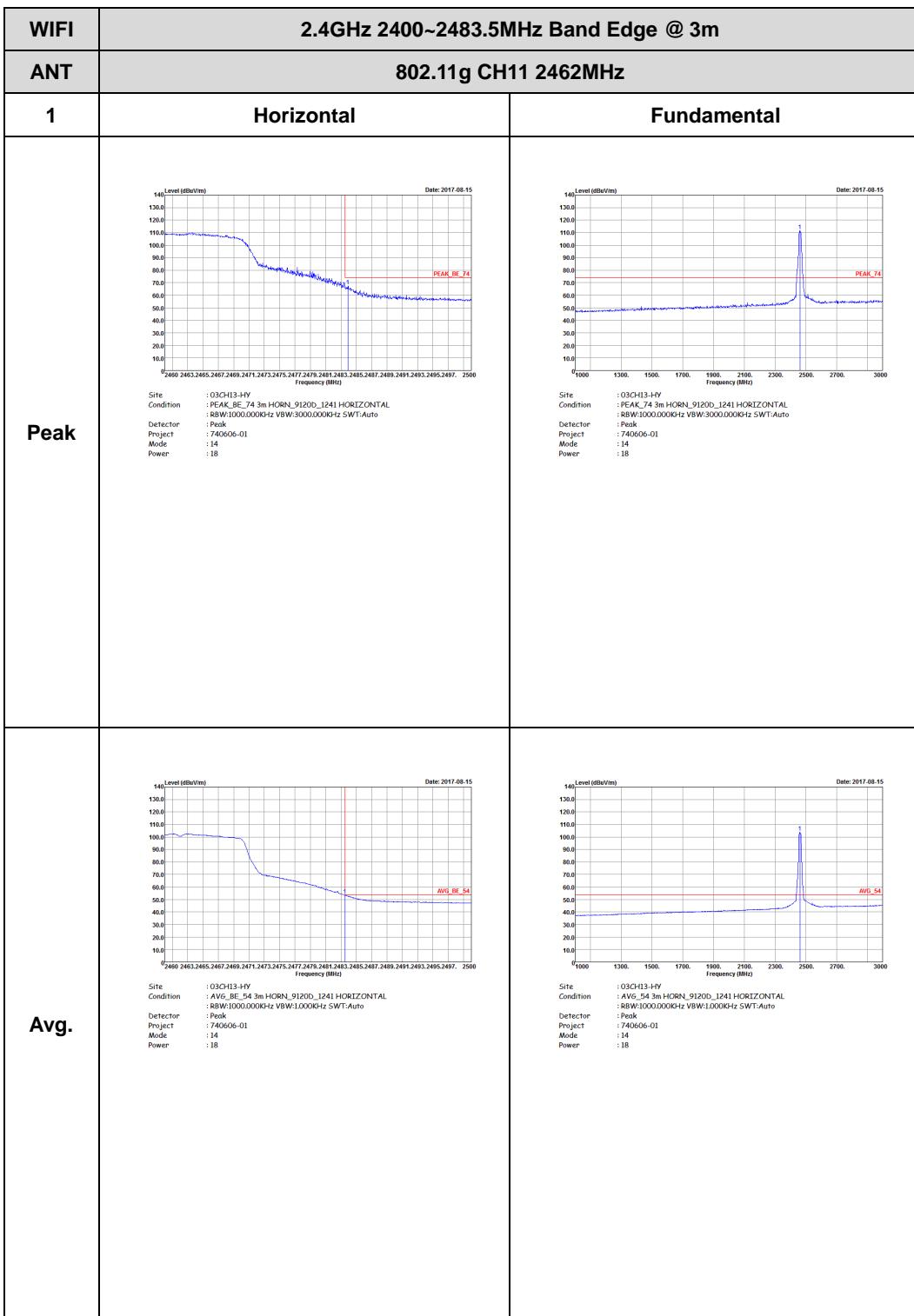


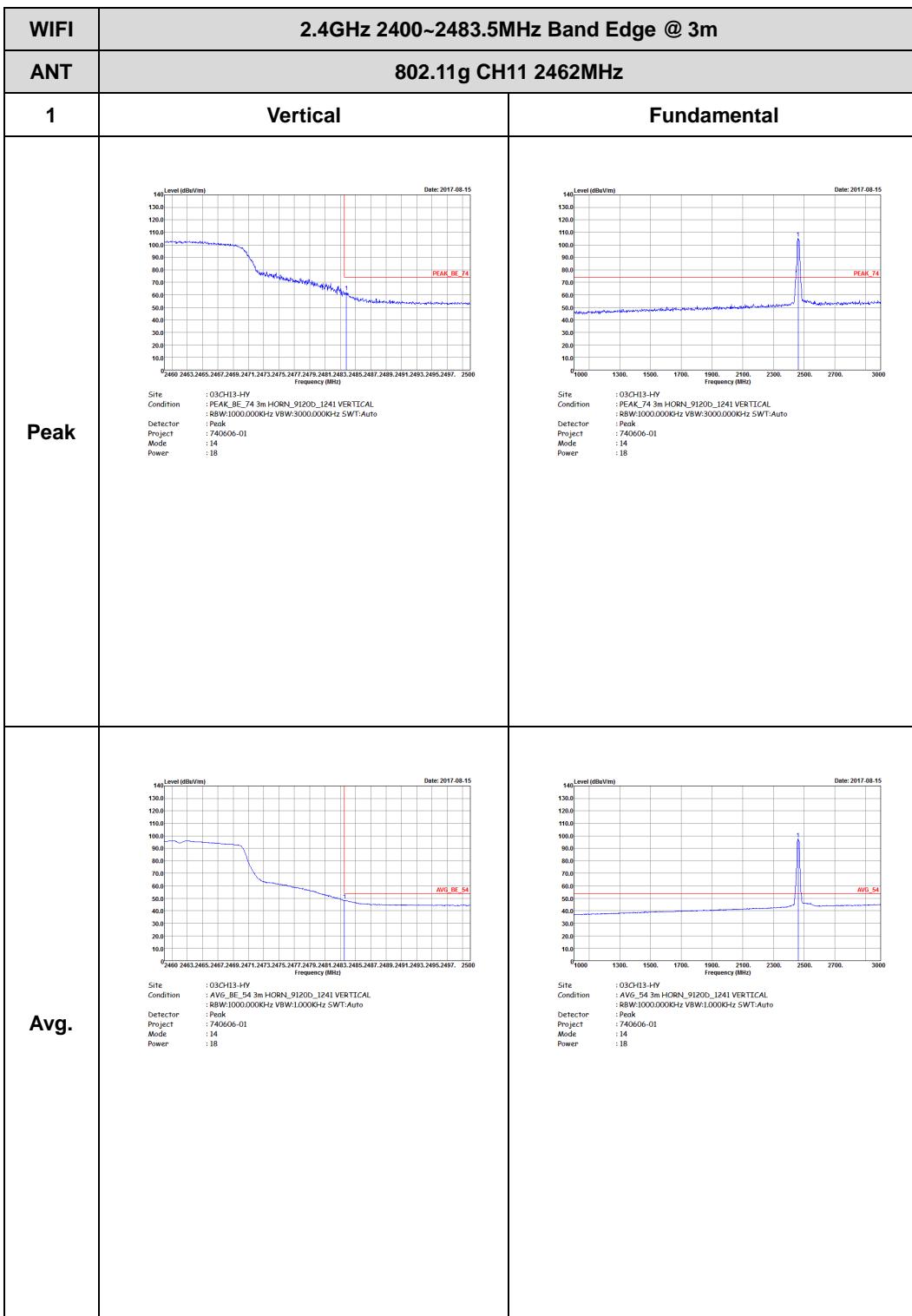
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Level (dBm/V/m) vs Frequency (MHz) plot. The x-axis ranges from 2430 to 2500 MHz, and the y-axis ranges from 10.0 to 140.0 dBm/V/m. A blue curve shows a sharp peak labeled "PEAK_BE_74" at approximately 2437.0 MHz with a value of about 115 dBm/V/m. The plot is dated 2017-08-15.</p> <p>Site : 03CH13-HV Condition : PCMK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : R8W1000.000KHz VBW:3000.000KHz SWT:Auto Project : 740606-01 Mode : 13 Power : 22</p>	Left blank
Avg.	 <p>Level (dBm/V/m) vs Frequency (MHz) plot. The x-axis ranges from 2430 to 2500 MHz, and the y-axis ranges from 10.0 to 140.0 dBm/V/m. A blue curve shows a broad average level labeled "AVG_BE_54" at approximately 2437.0 MHz with a value of about 50 dBm/V/m. The plot is dated 2017-08-15.</p> <p>Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : R8W1000.000KHz VBW:1.000KHz SWT:Auto Project : 740606-01 Mode : 13 Power : 22</p>	Left blank

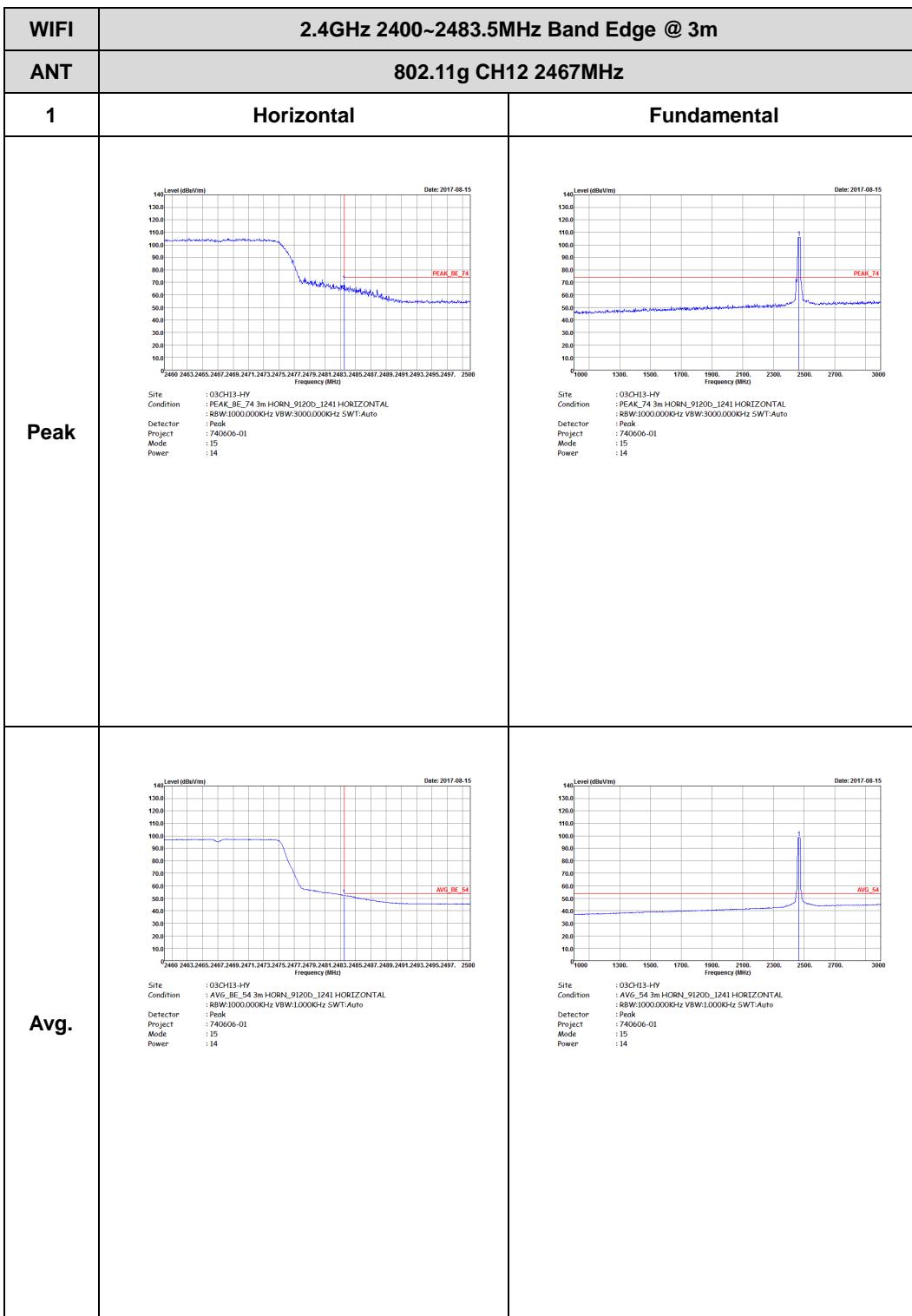




WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	 <p>Level (dBm/V/m)</p> <p>Date: 2017-08-15</p> <p>Site : 03CH13-HV Condition : PCMK_BE_74 3m HORN_91200_1241 VERTICAL Detector : R8W1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 740606-01 Power : 13 Power : 22</p>	Left Blank
Avg.	 <p>Level (dBm/V/m)</p> <p>Date: 2017-08-15</p> <p>Site : AVG_BE_54 3m HORN_91200_1241 VERTICAL Condition : R8W1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740606-01 Mode : 13 Power : 22</p>	Left Blank

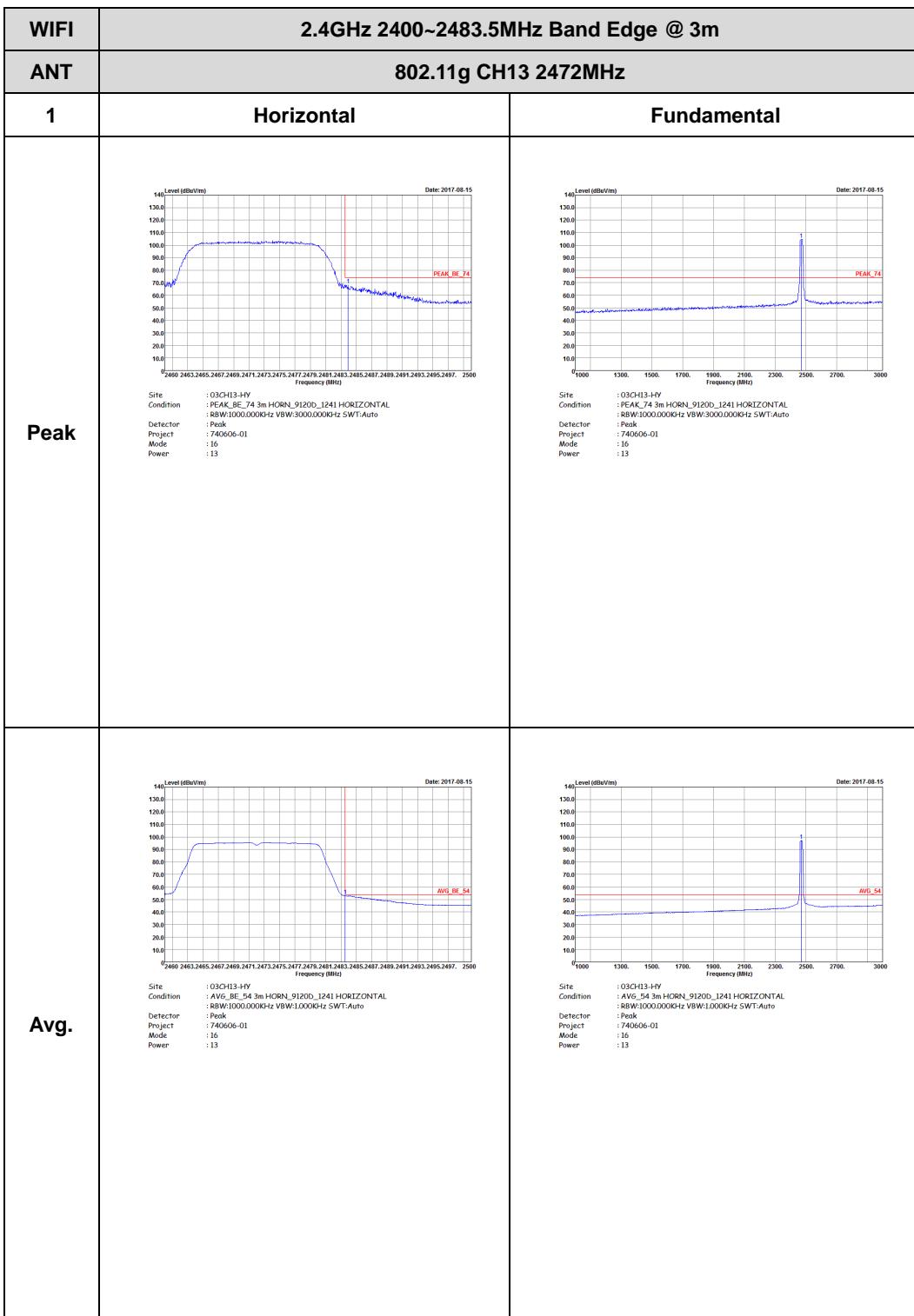


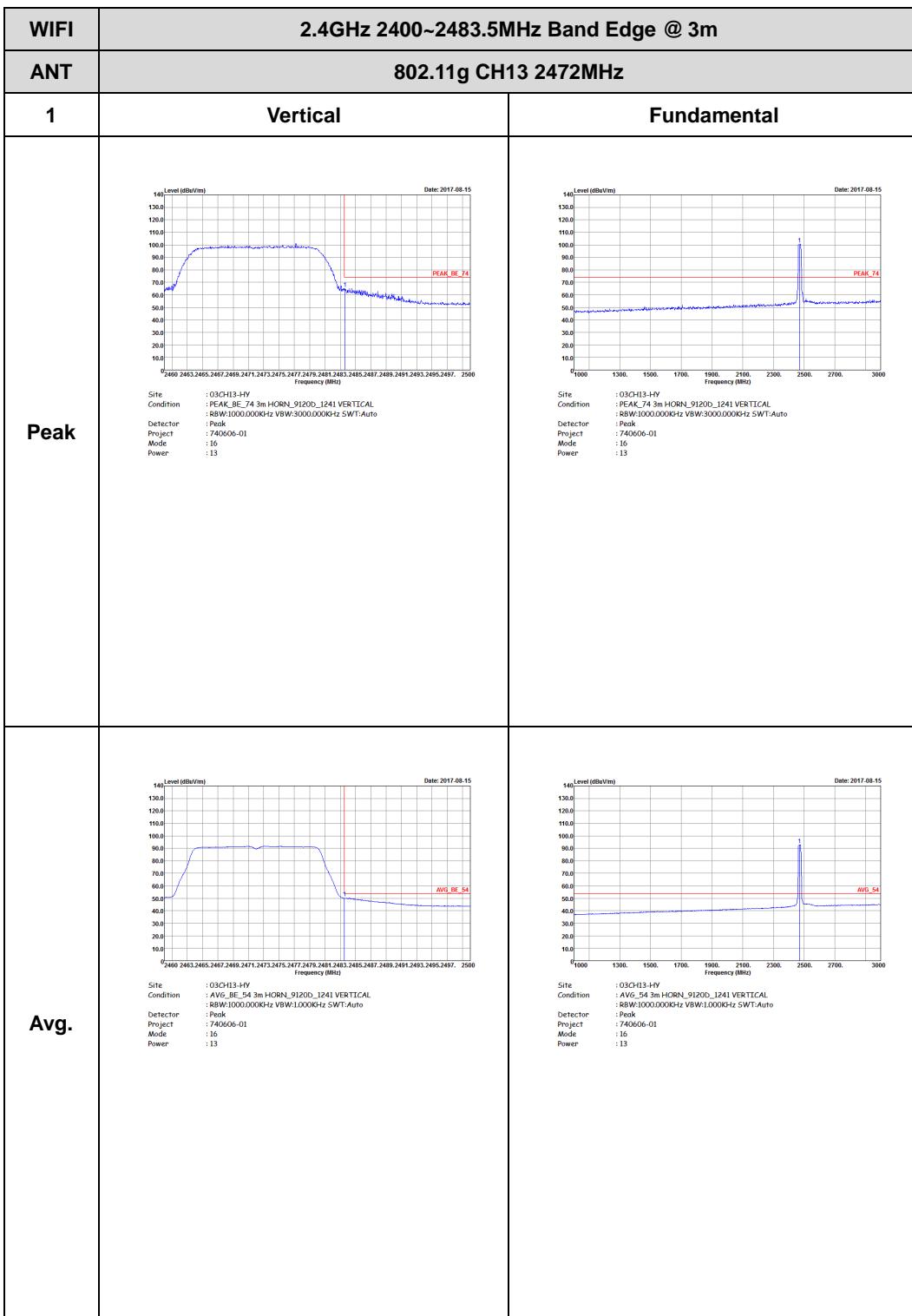






WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PCAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 740606-01 Mode : 15 Power : 14 Site : 03CH13-HY Condition : PCAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 740606-01 Mode : 15 Power : 14	
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Project : 740606-01 Mode : 15 Power : 14 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Project : 740606-01 Mode : 15 Power : 14	

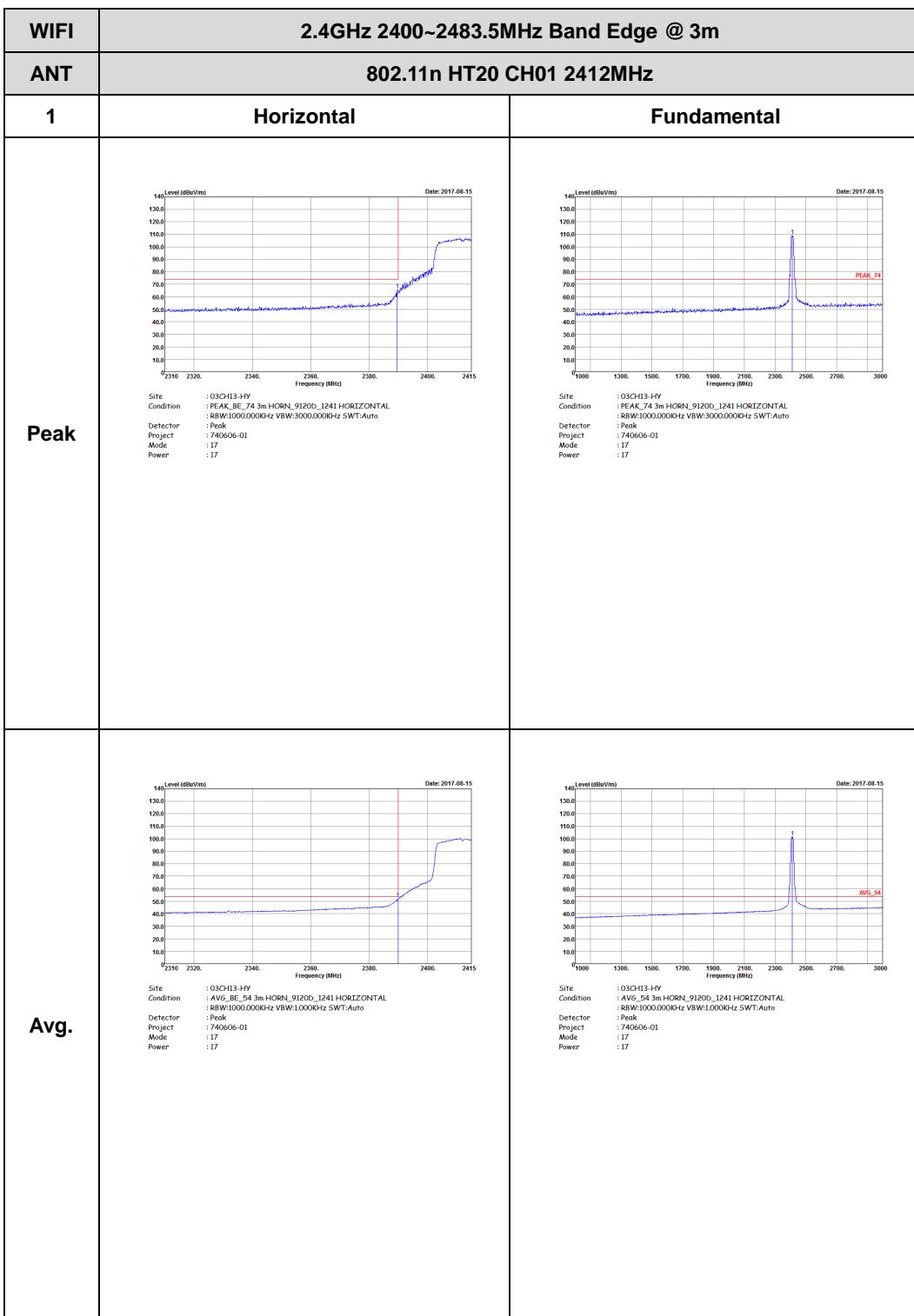


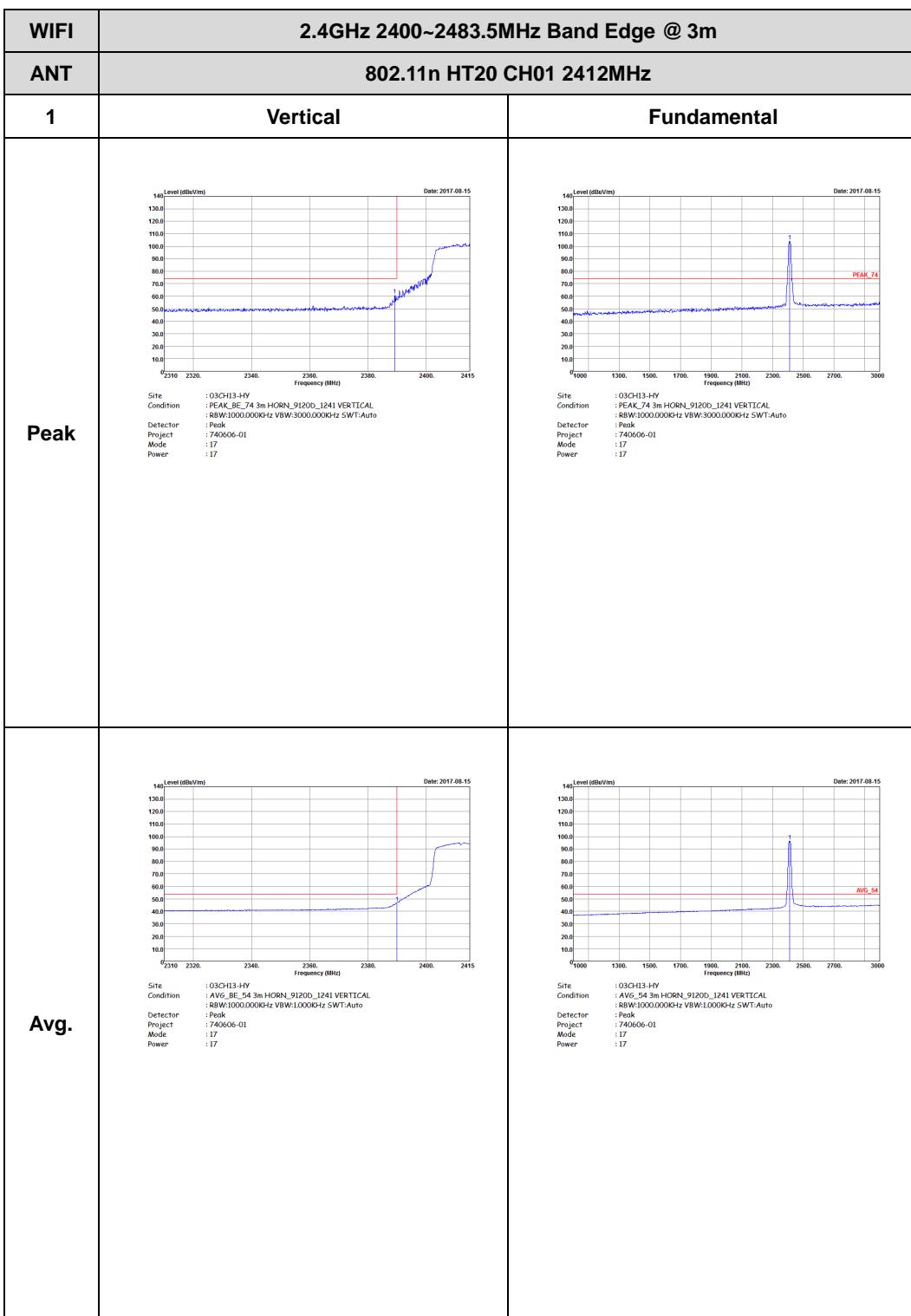


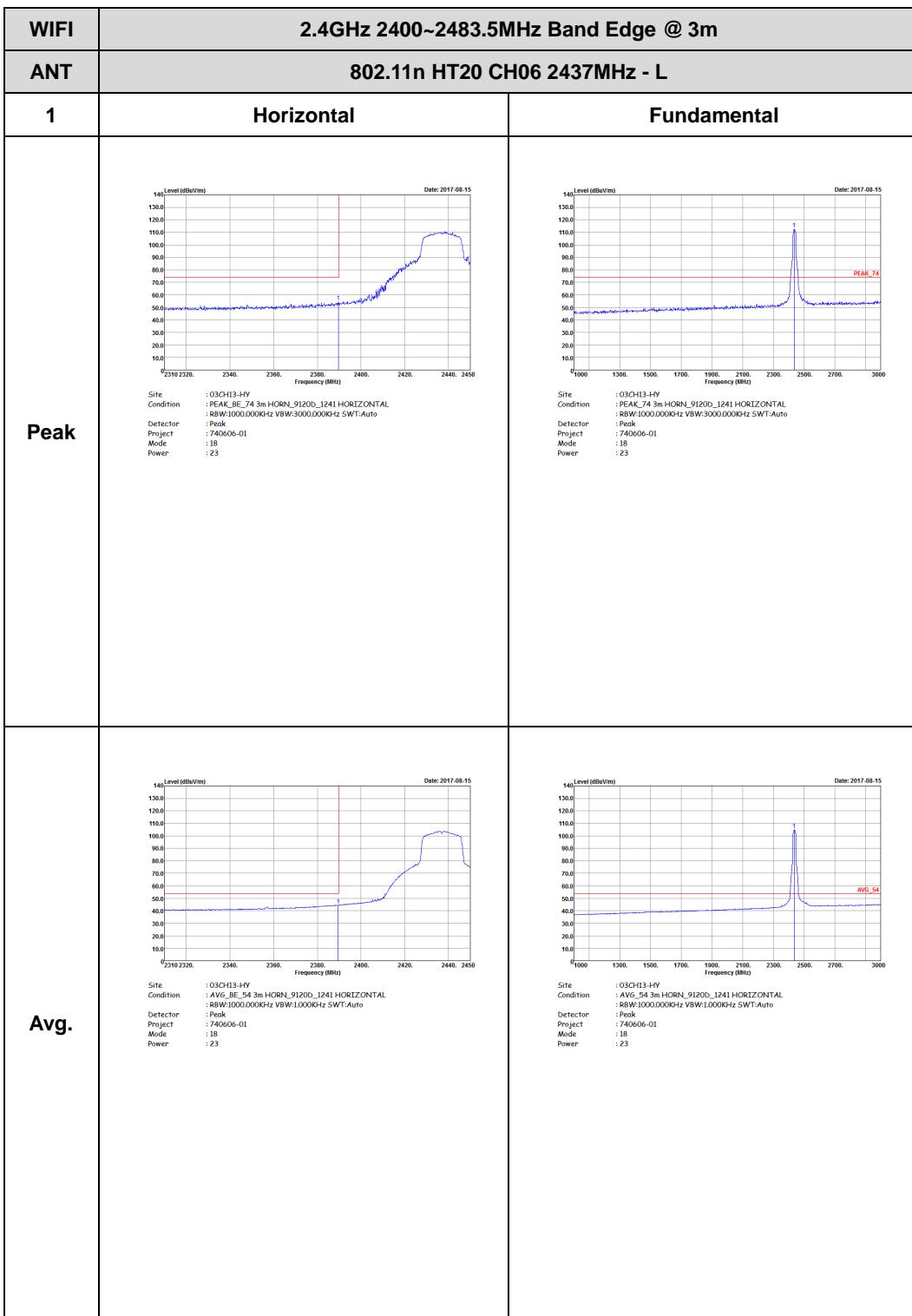


2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

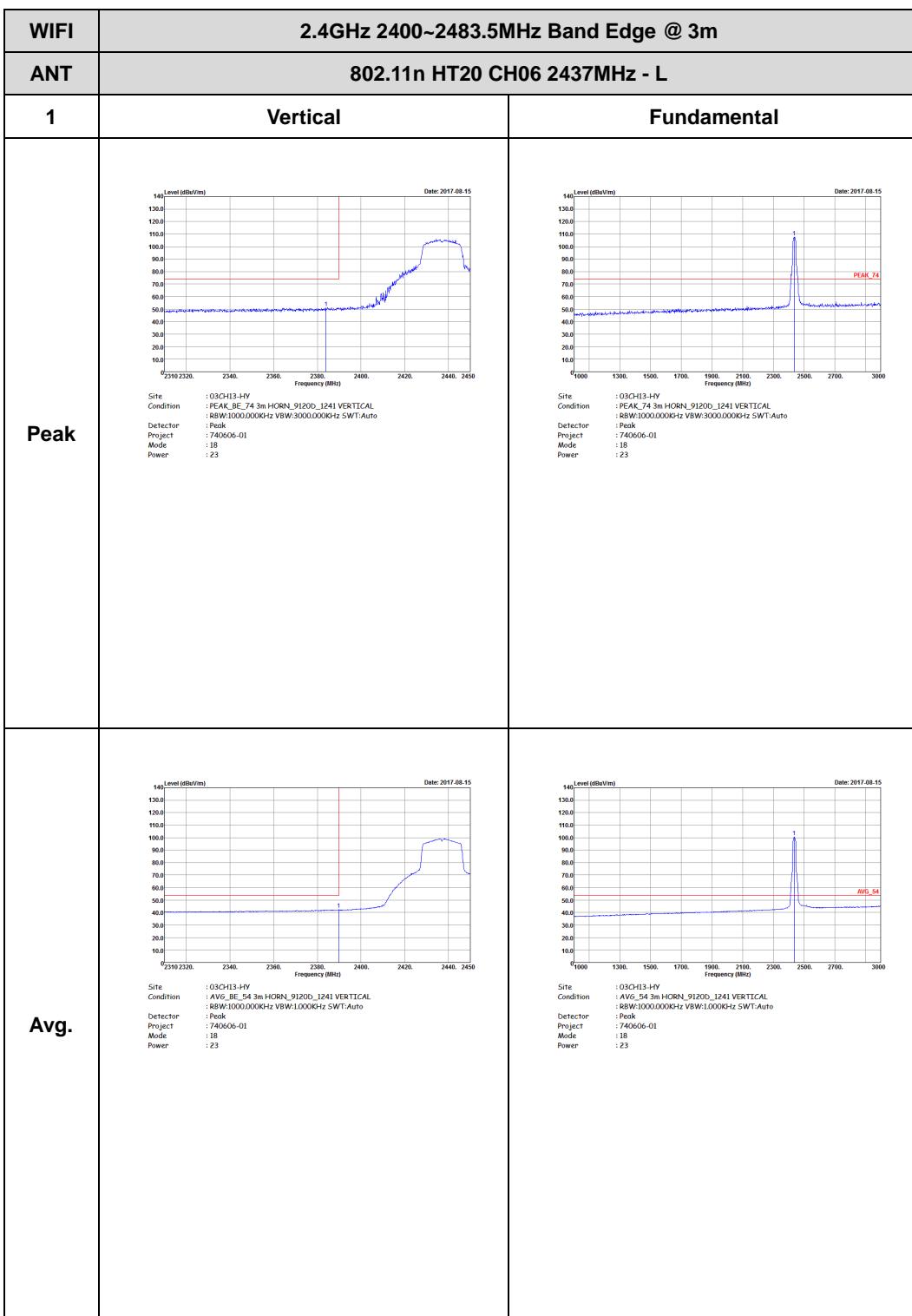




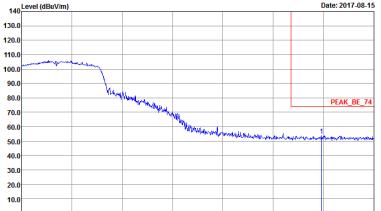
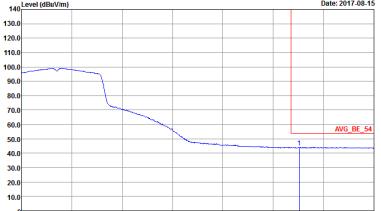


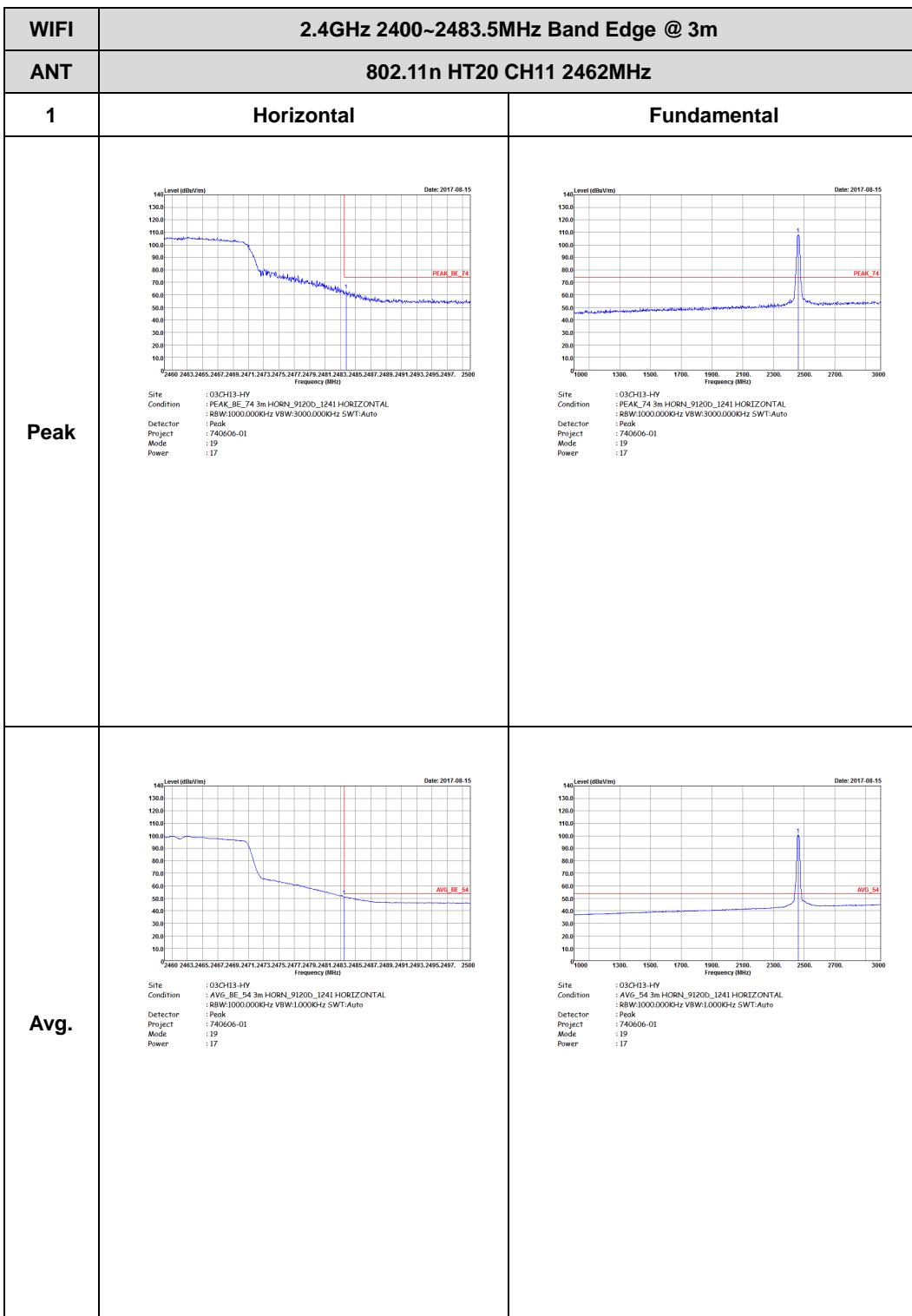


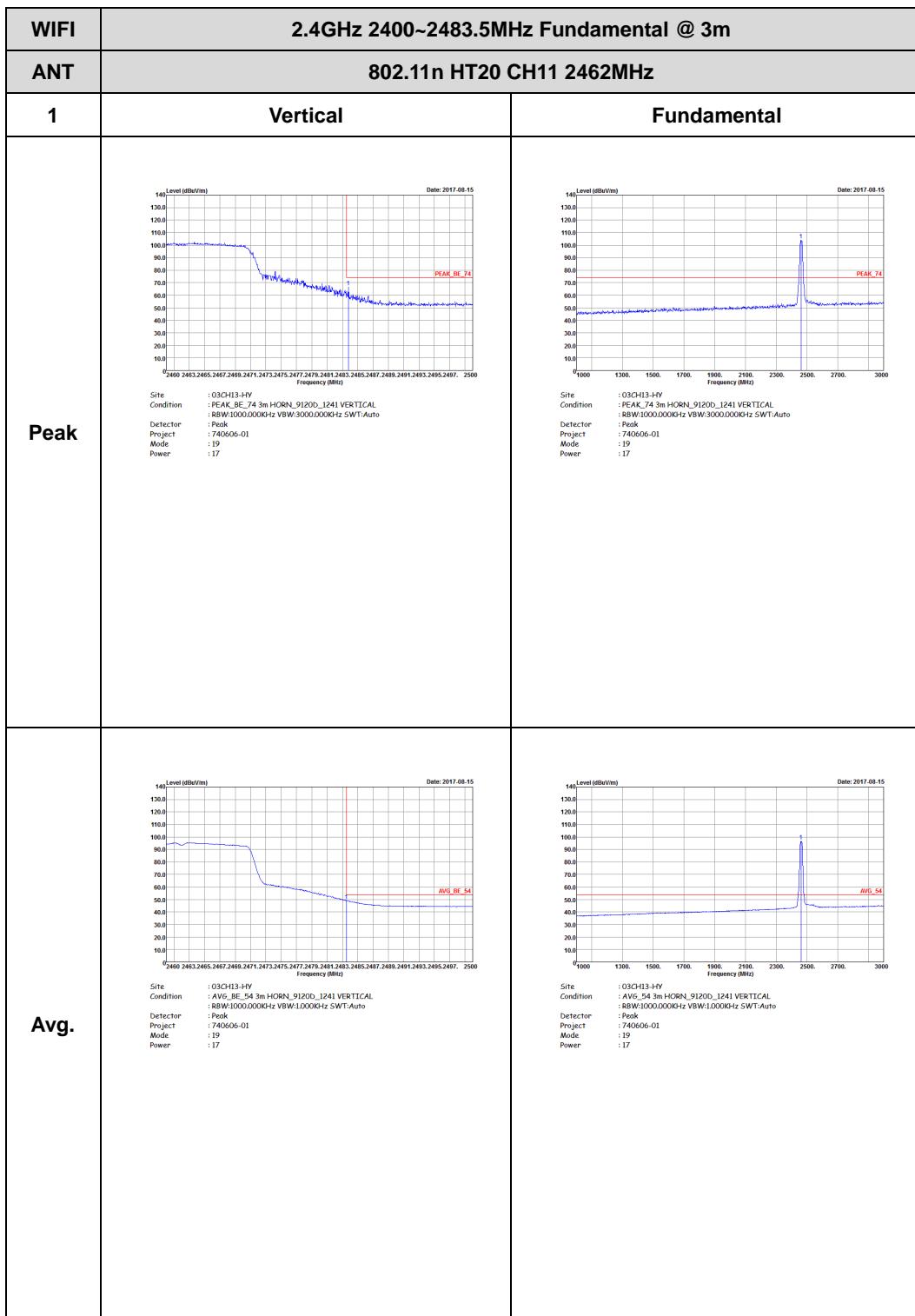
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PCMK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : R8W1000.000KHz VBW:3000.000KHz SWT:Auto Project : 740606-01 Mode : 18 Power : 23</p>	Left blank
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : R8W1000.000KHz VBW:1.000KHz SWT:Auto Project : 740606-01 Mode : 18 Power : 23</p>	Left blank

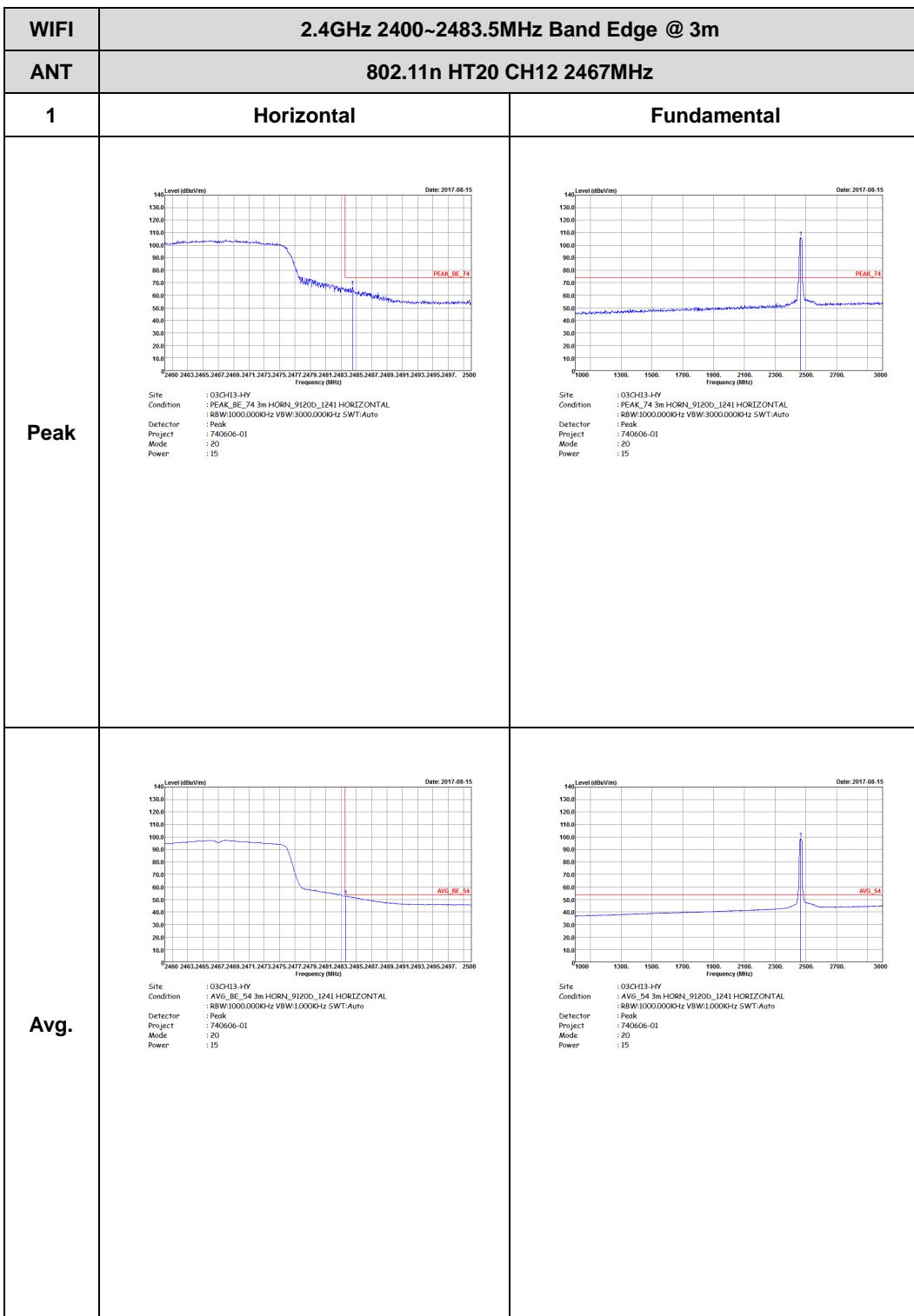


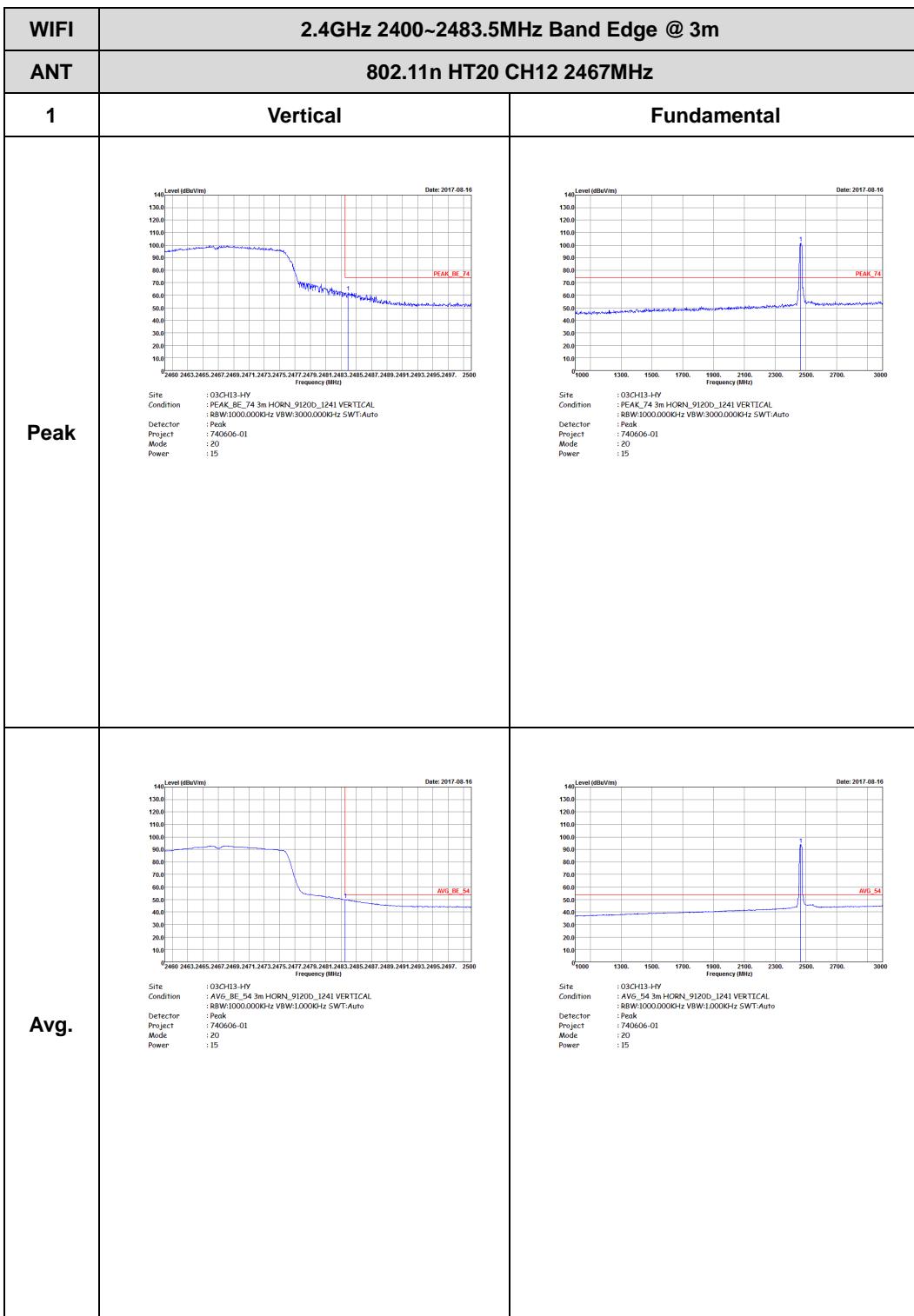


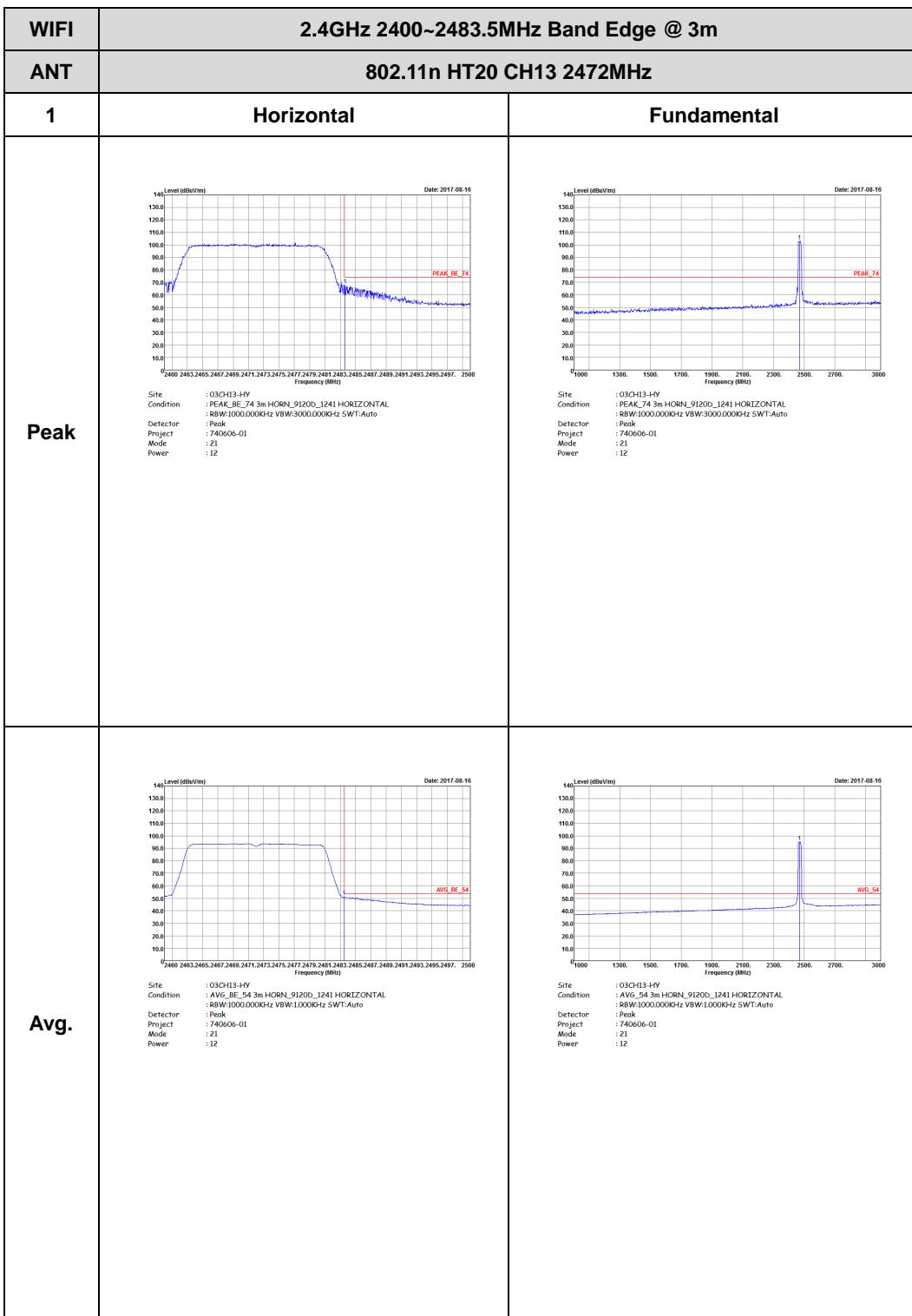
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	 <p>Level (dBm/V/m)</p> <p>Date: 2017-08-15</p> <p>Site : 03CH13-HV Condition : PCMK_BE_74 3m HORN_91200_1241 VERTICAL Detector : R8W1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 740606-01 Power : 23</p>	Left Blank
Avg.	 <p>Level (dBm/V/m)</p> <p>Date: 2017-08-15</p> <p>Site : AVG_BE_54 3m HORN_91200_1241 VERTICAL Condition : R8W1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740606-01 Mode : 18 Power : 23</p>	Left Blank











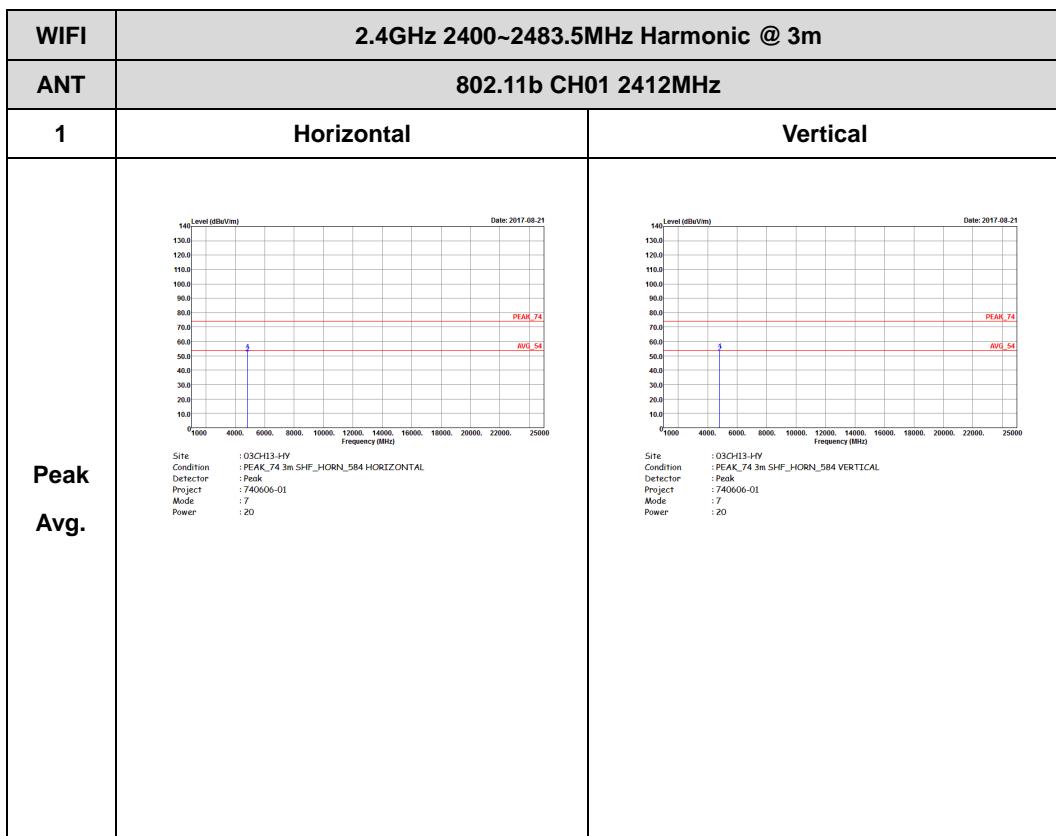


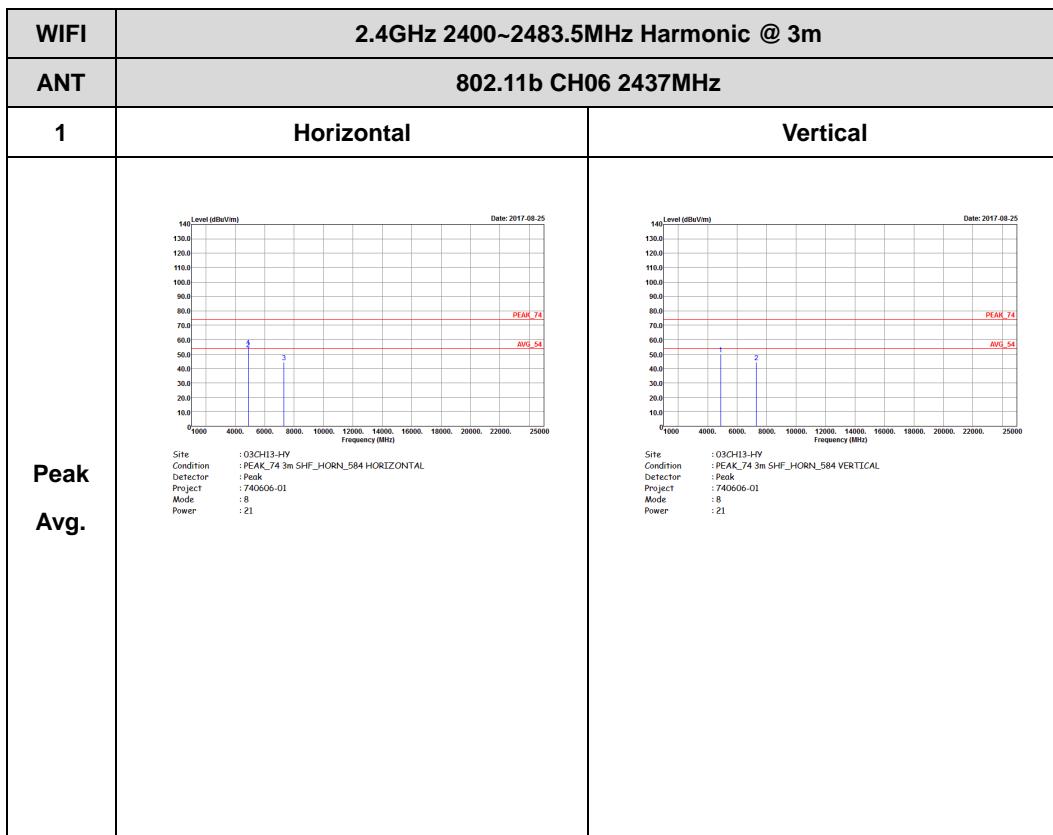
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
1	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 740606-01 Mode : 21 Power : 12</p>	<p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 740606-01 Mode : 21 Power : 12</p>
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 740606-01 Mode : 21 Power : 12</p>	<p>Site : 03CH13-HY Condition : AVG_54 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 740606-01 Mode : 21 Power : 12</p>

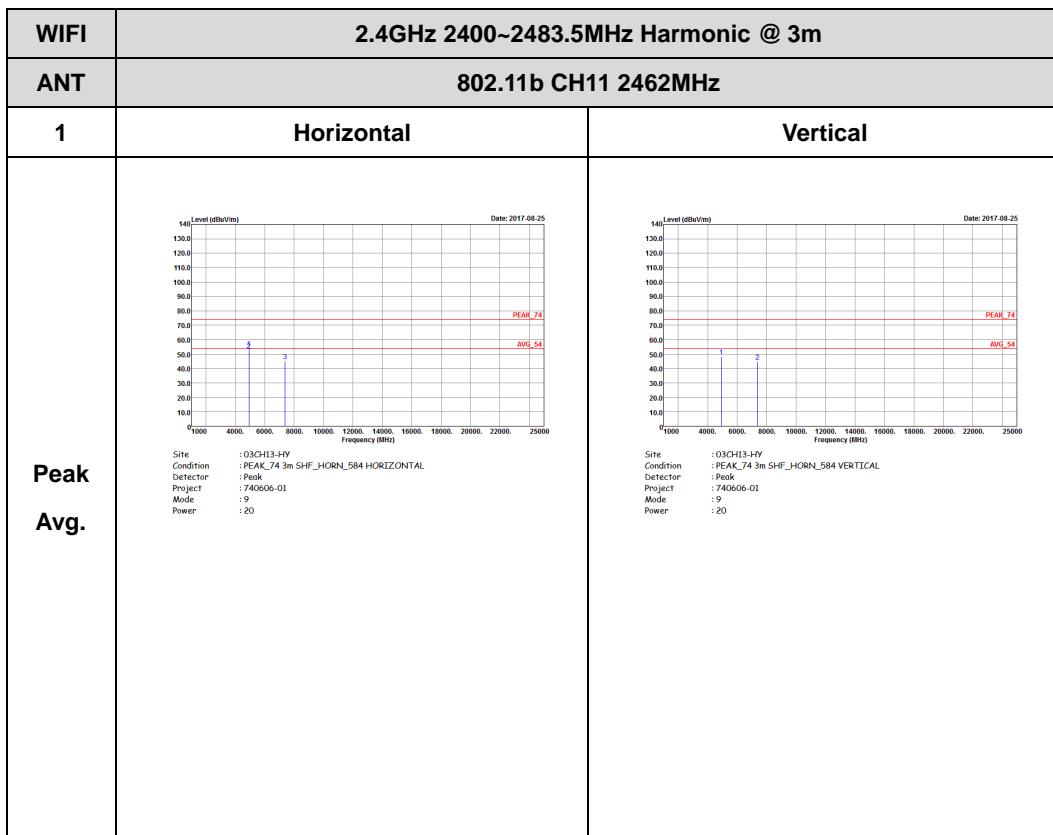


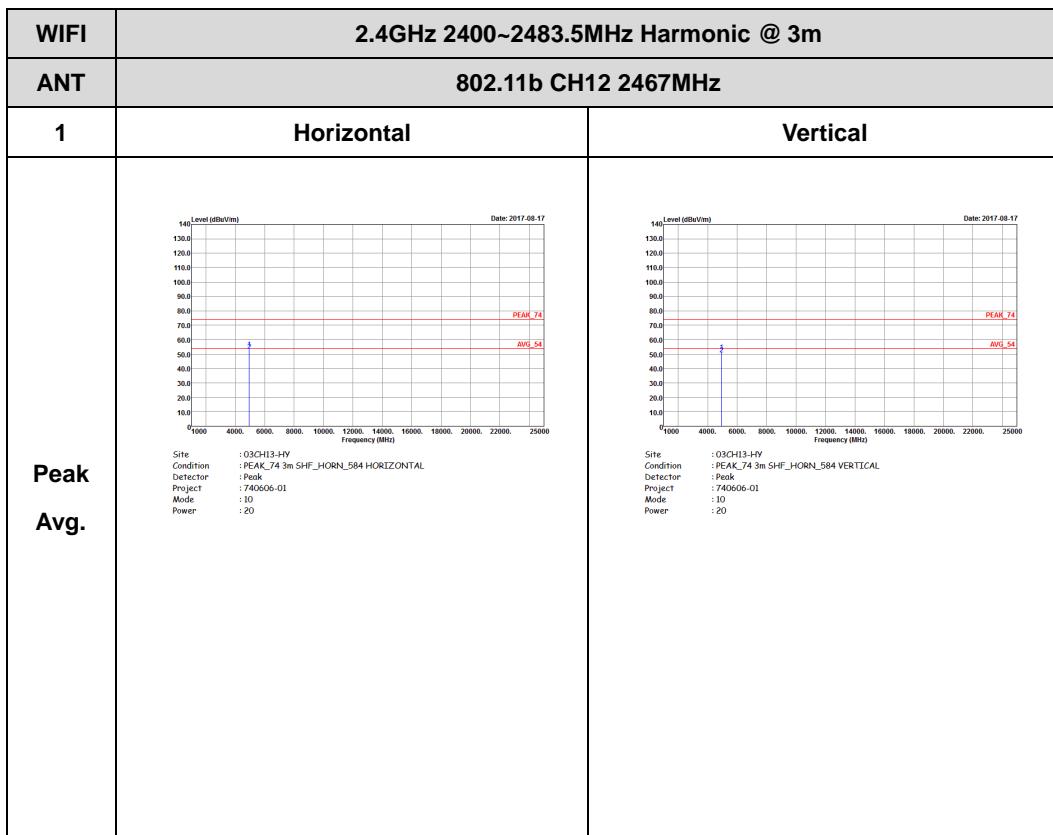
2.4GHz 2400~2483.5MHz

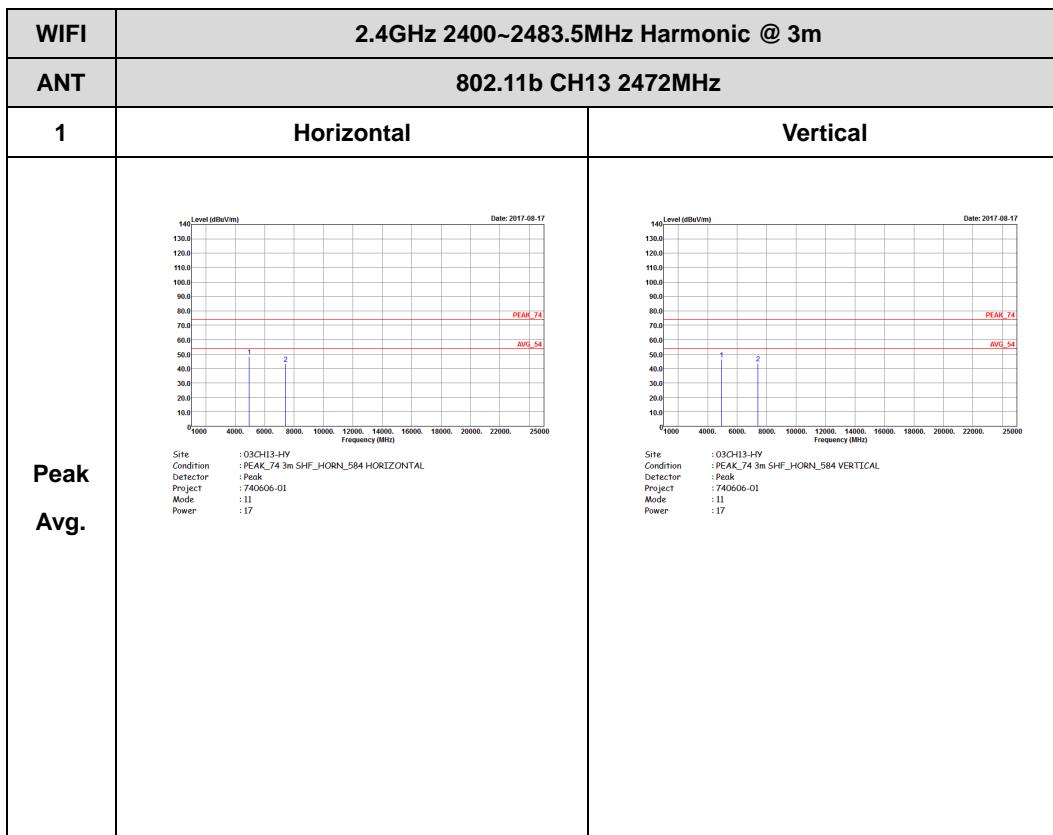
WIFI 802.11b (Harmonic @ 3m)







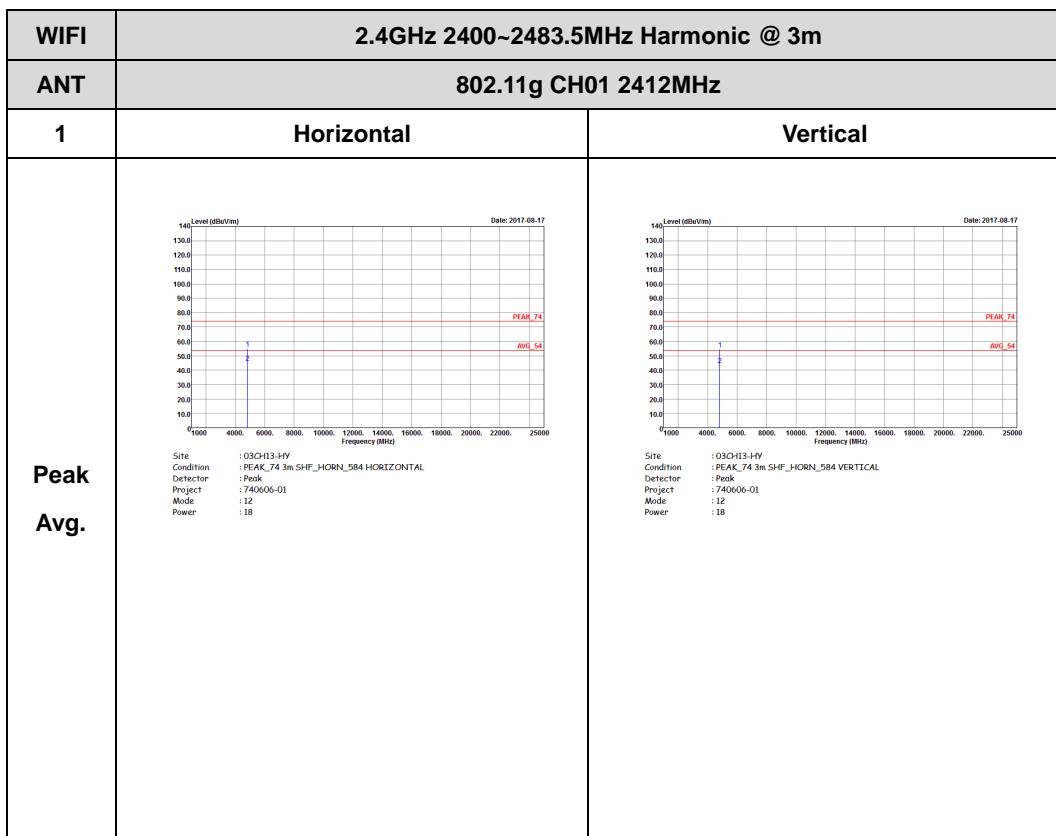


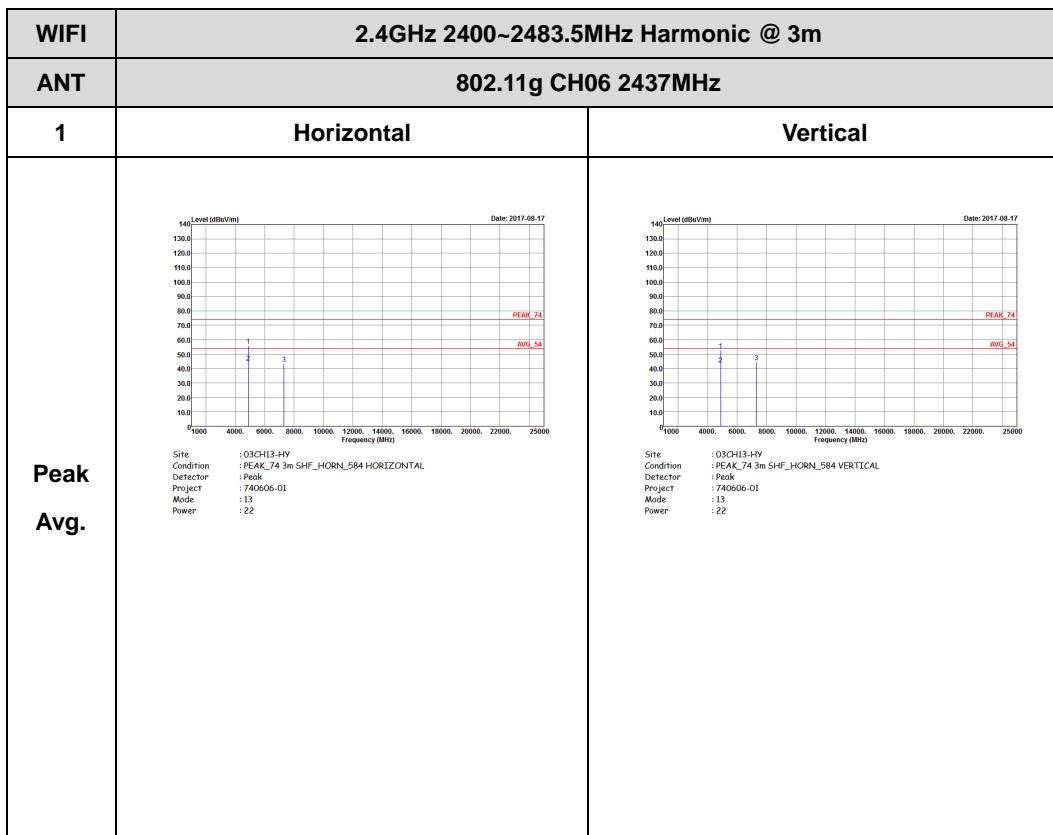


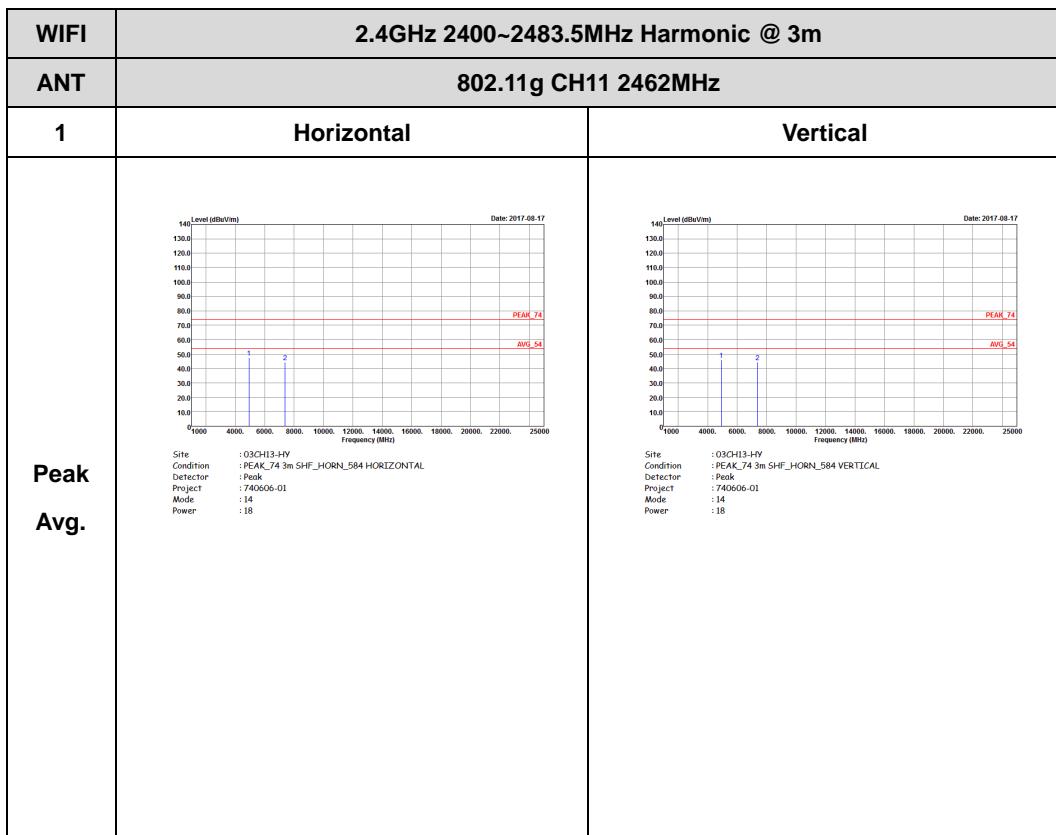


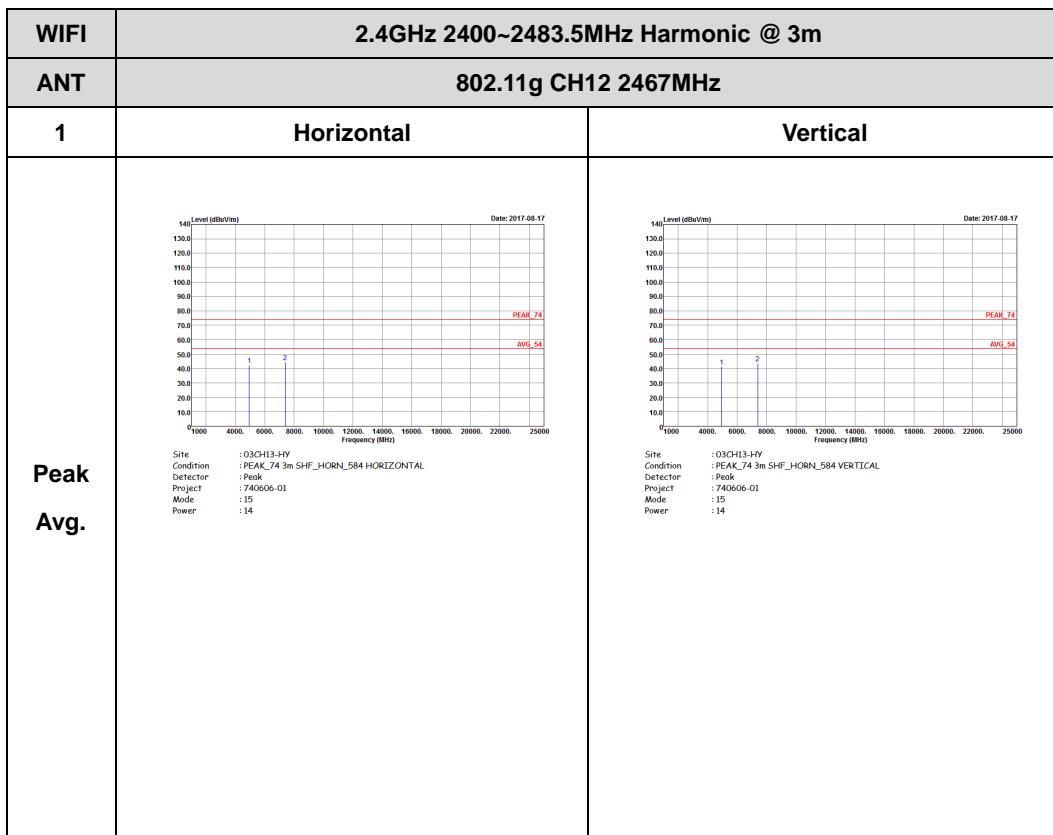
2.4GHz 2400~2483.5MHz

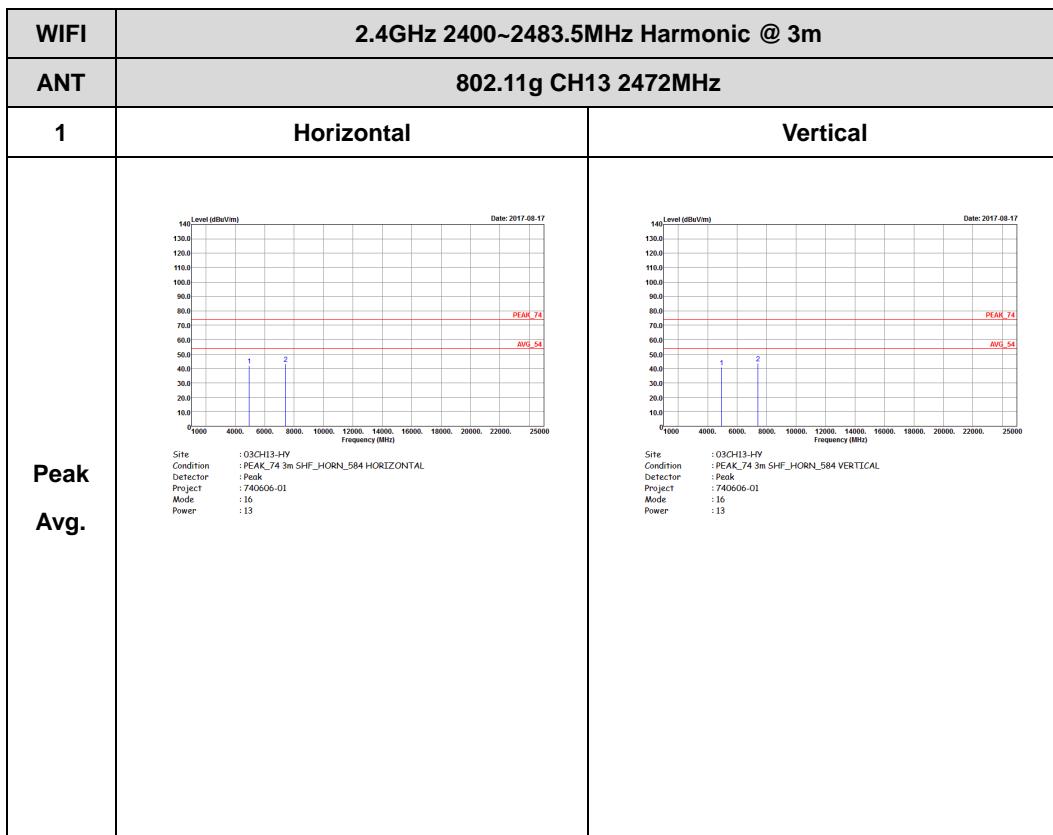
WIFI 802.11g (Harmonic @ 3m)







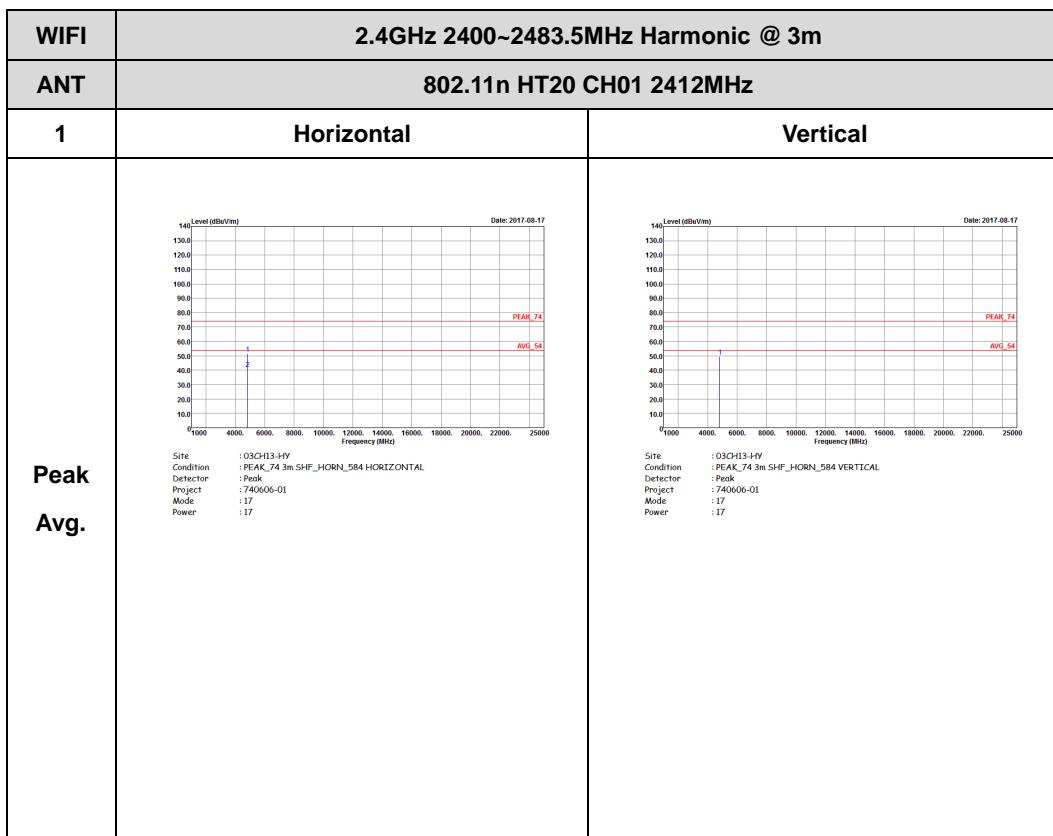


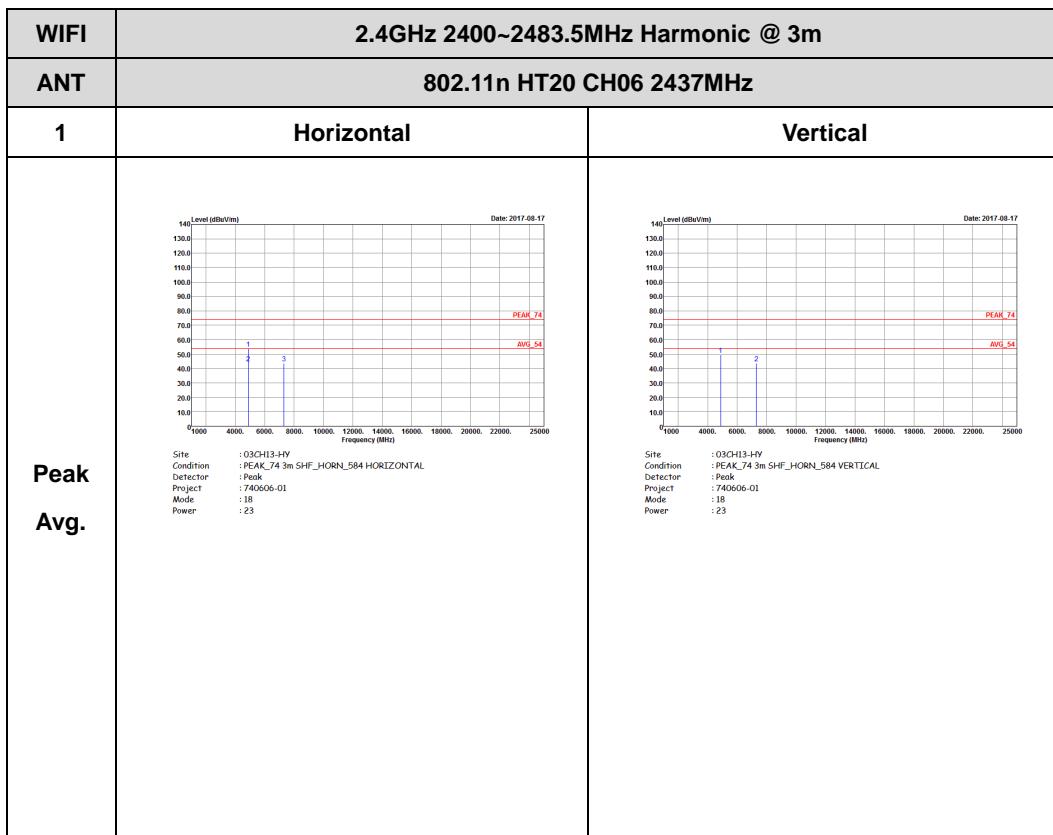


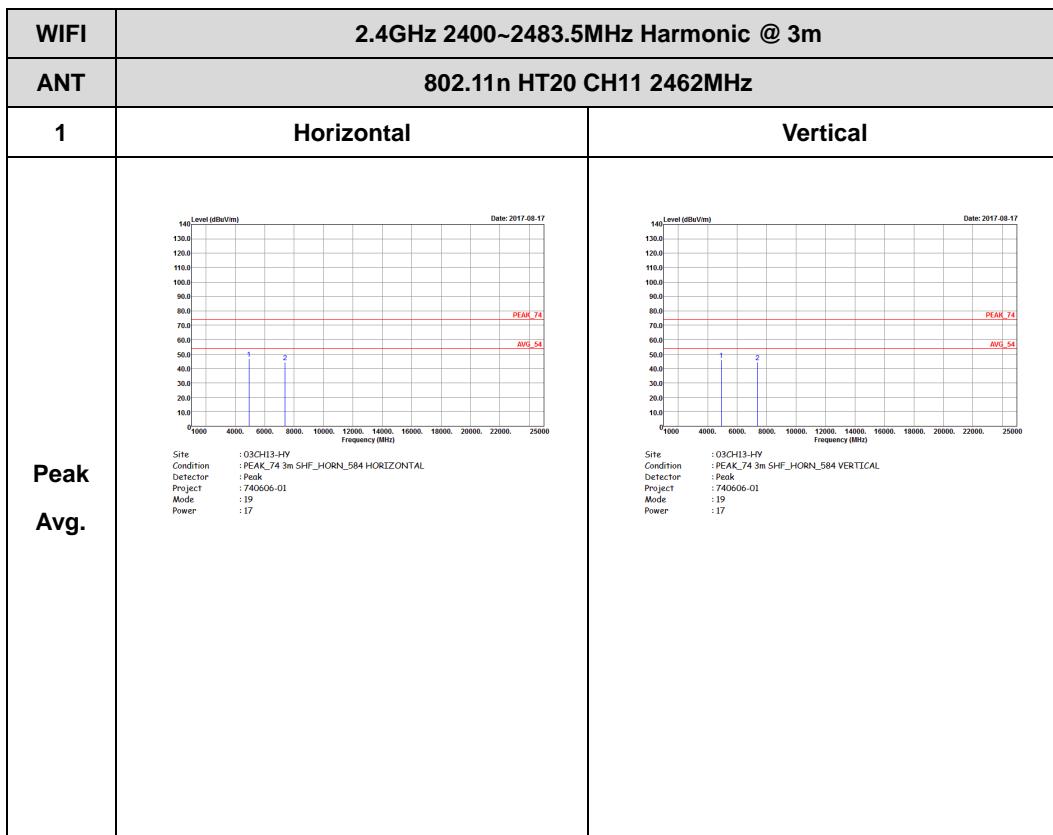


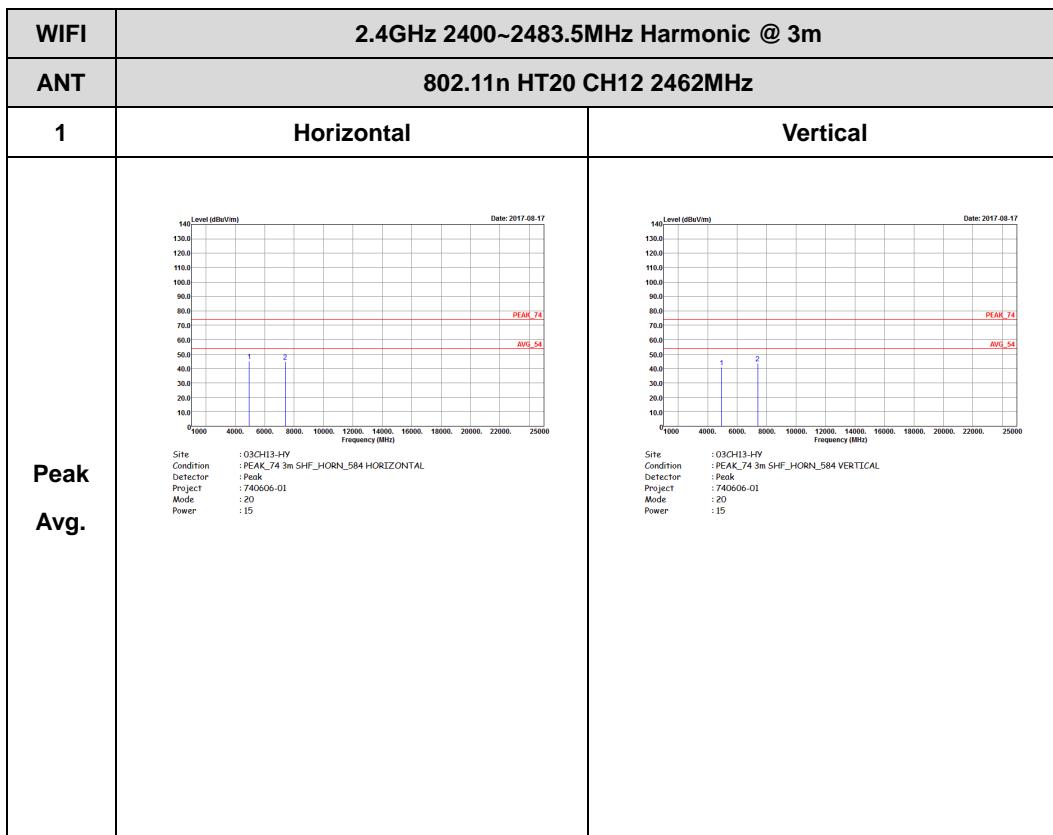
2.4GHz 2400~2483.5MHz

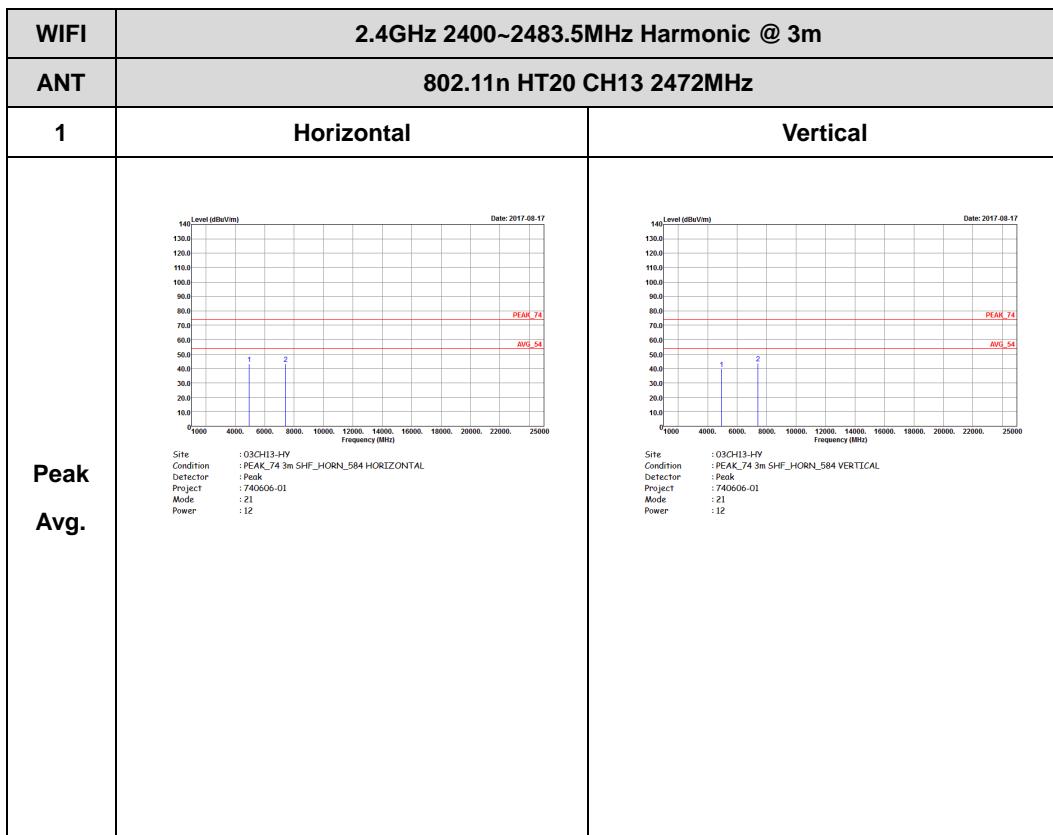
WIFI 802.11n HT20 (Harmonic @ 3m)







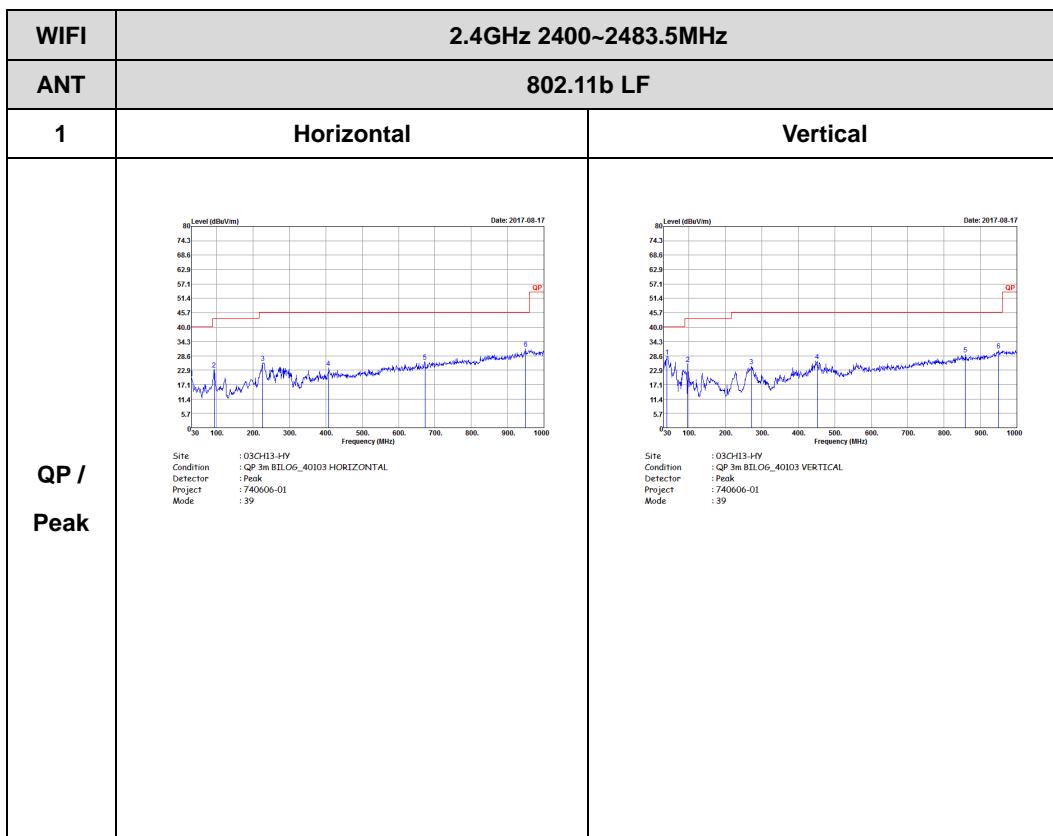






Emission below 1GHz

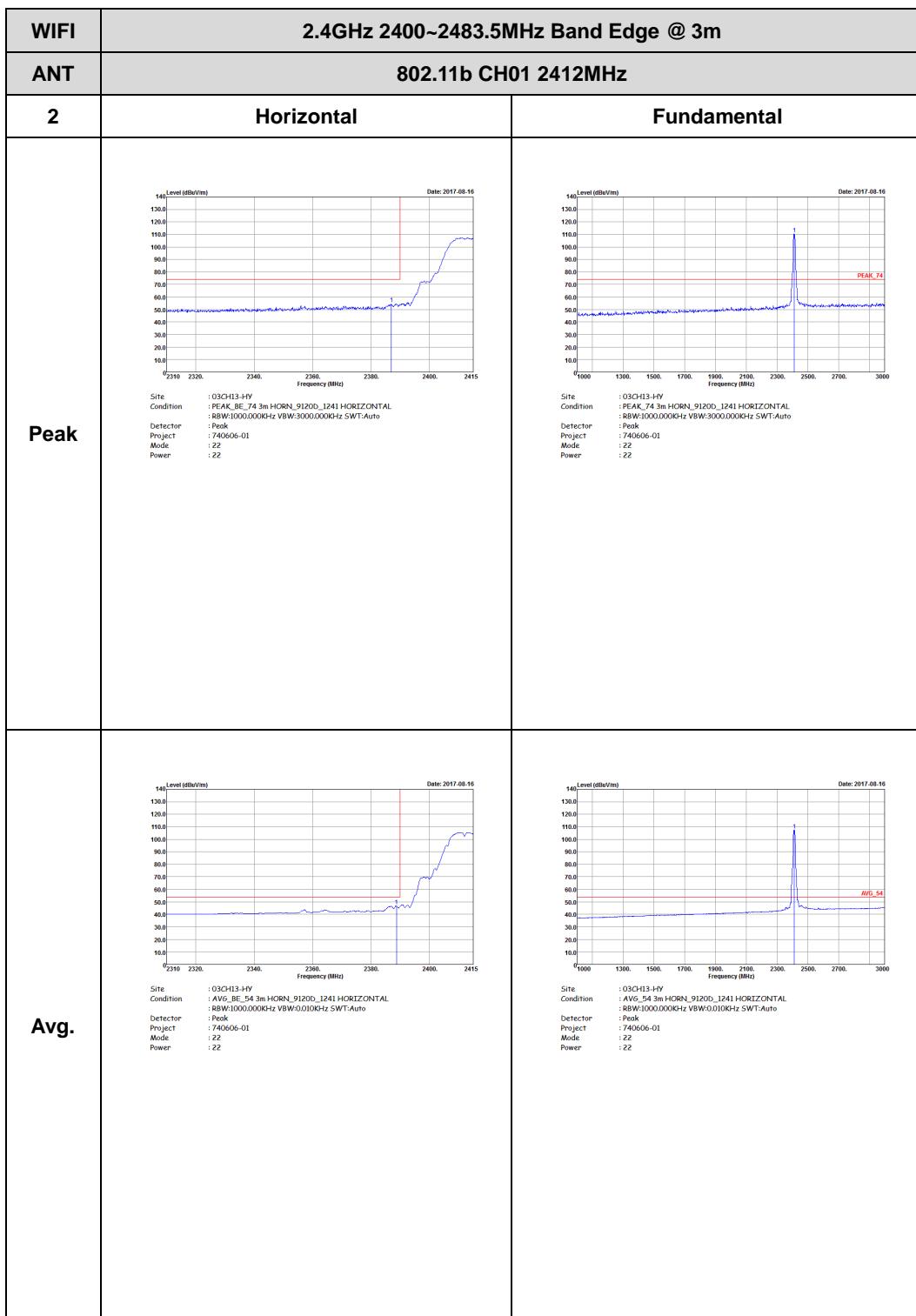
2.4GHz WIFI 802.11b (LF)

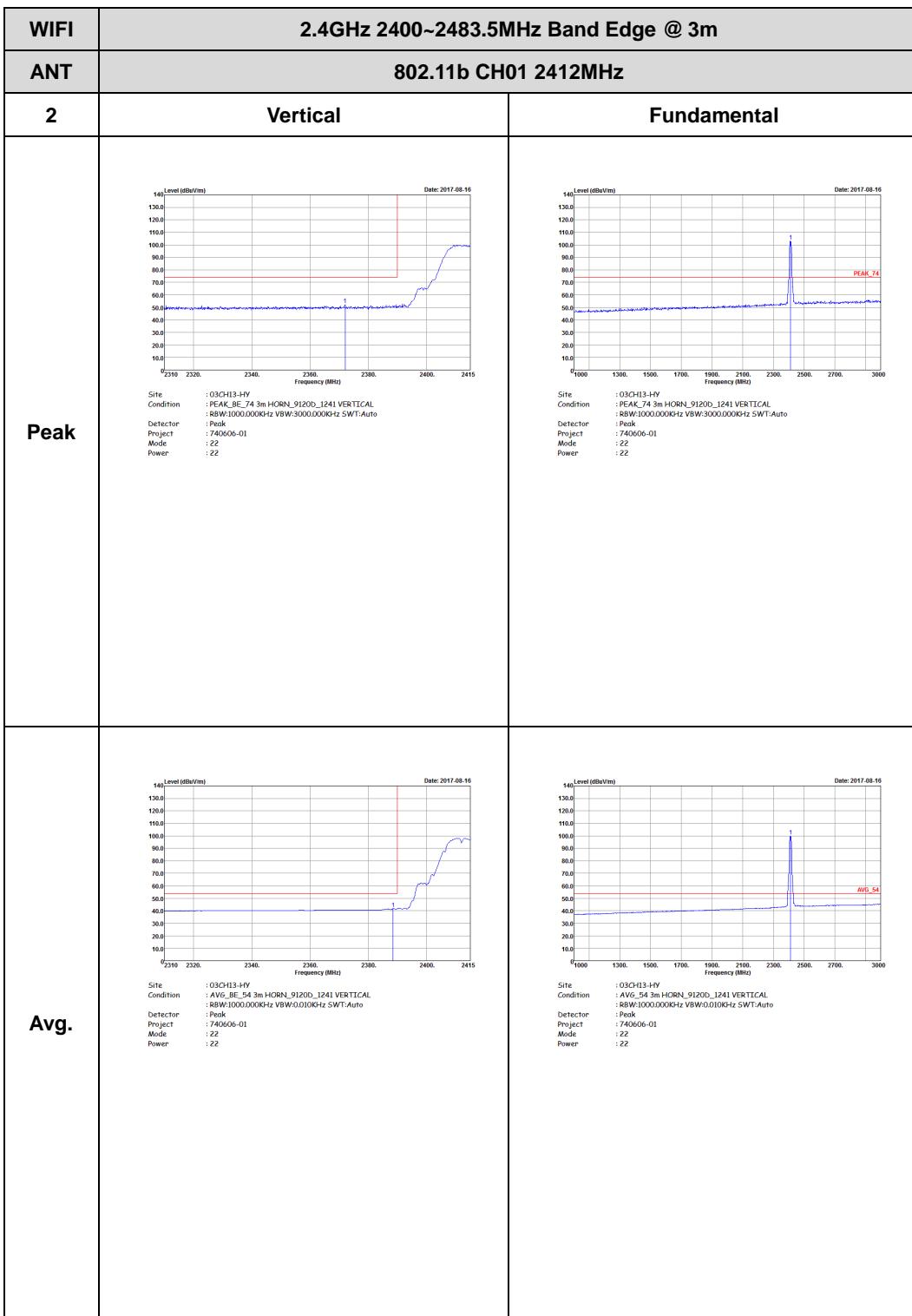


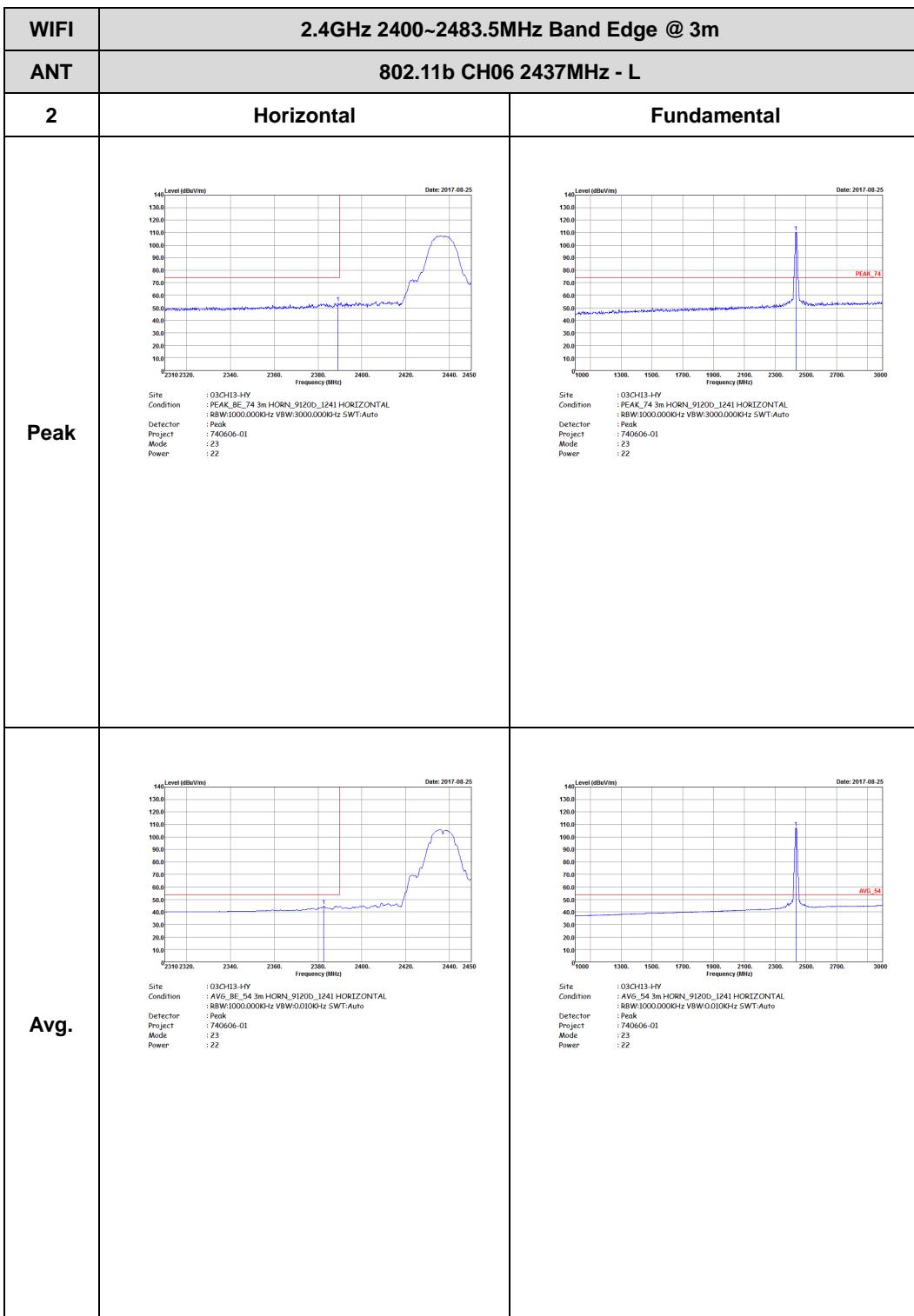


2.4GHz 2400~2483.5MHz

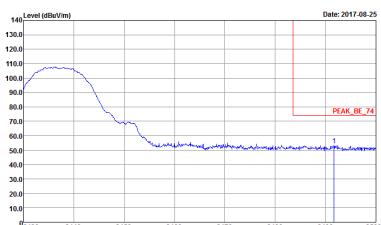
WIFI 802.11b (Band Edge @ 3m)

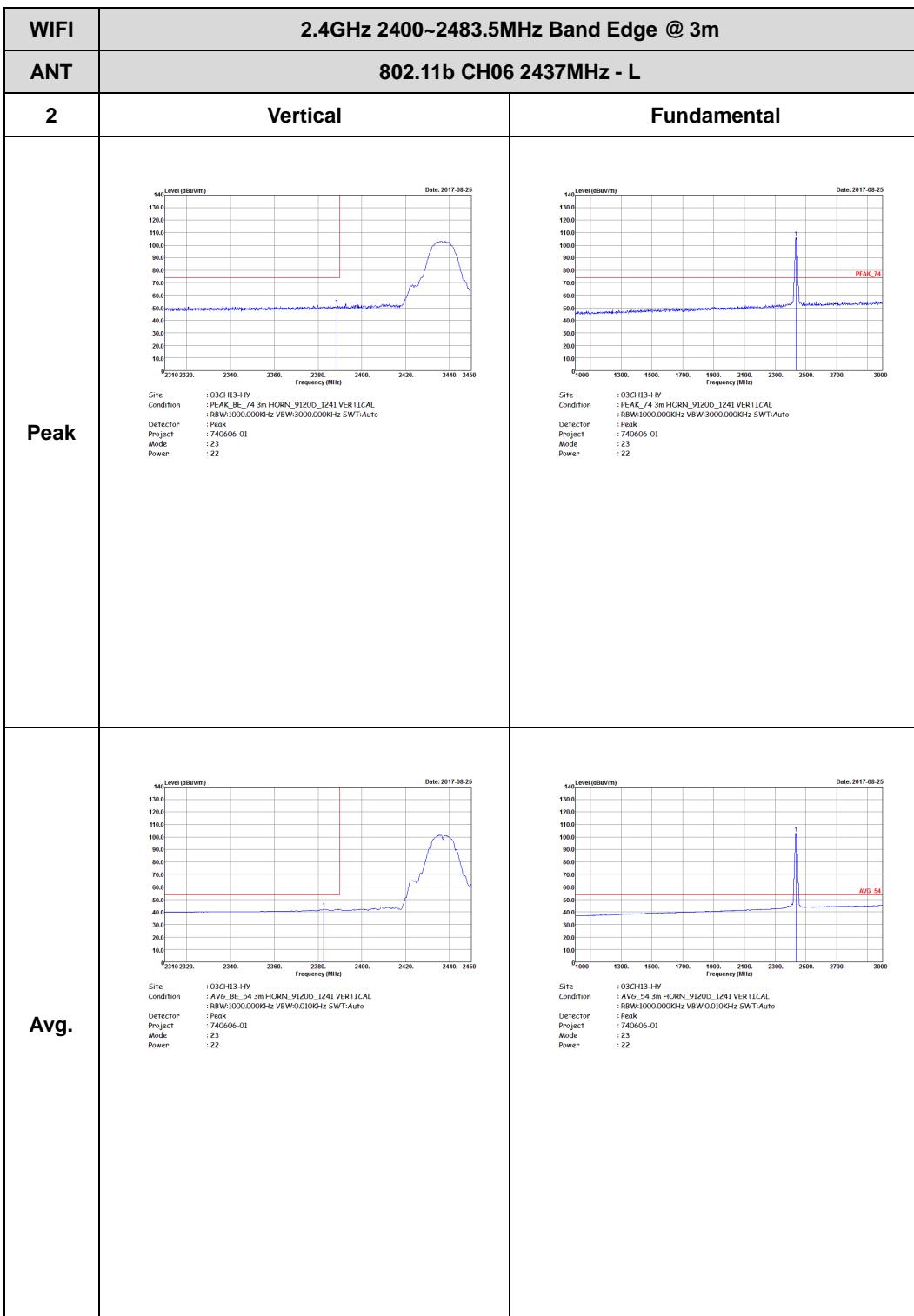




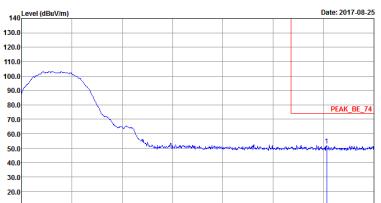
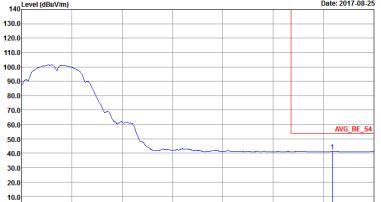


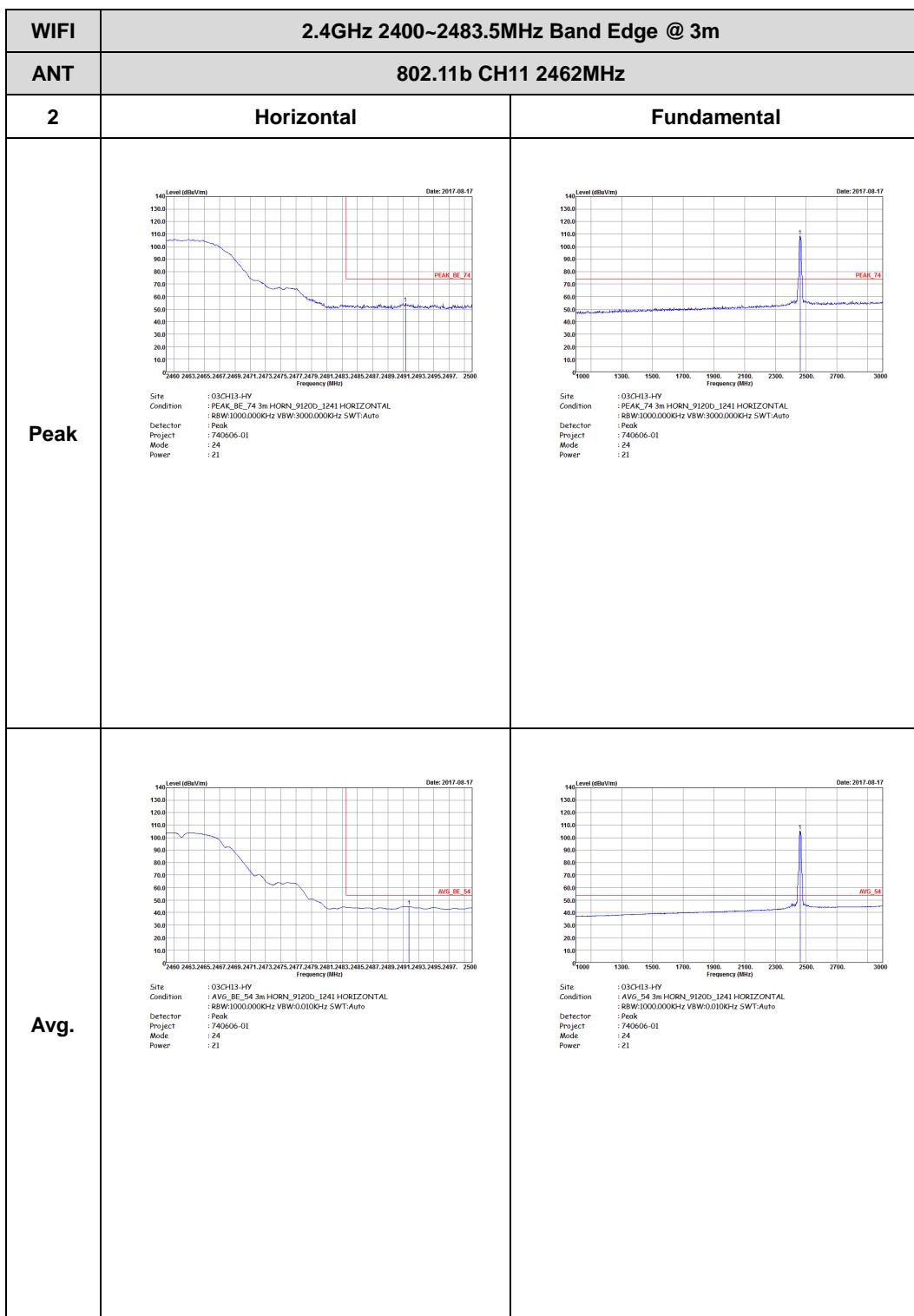


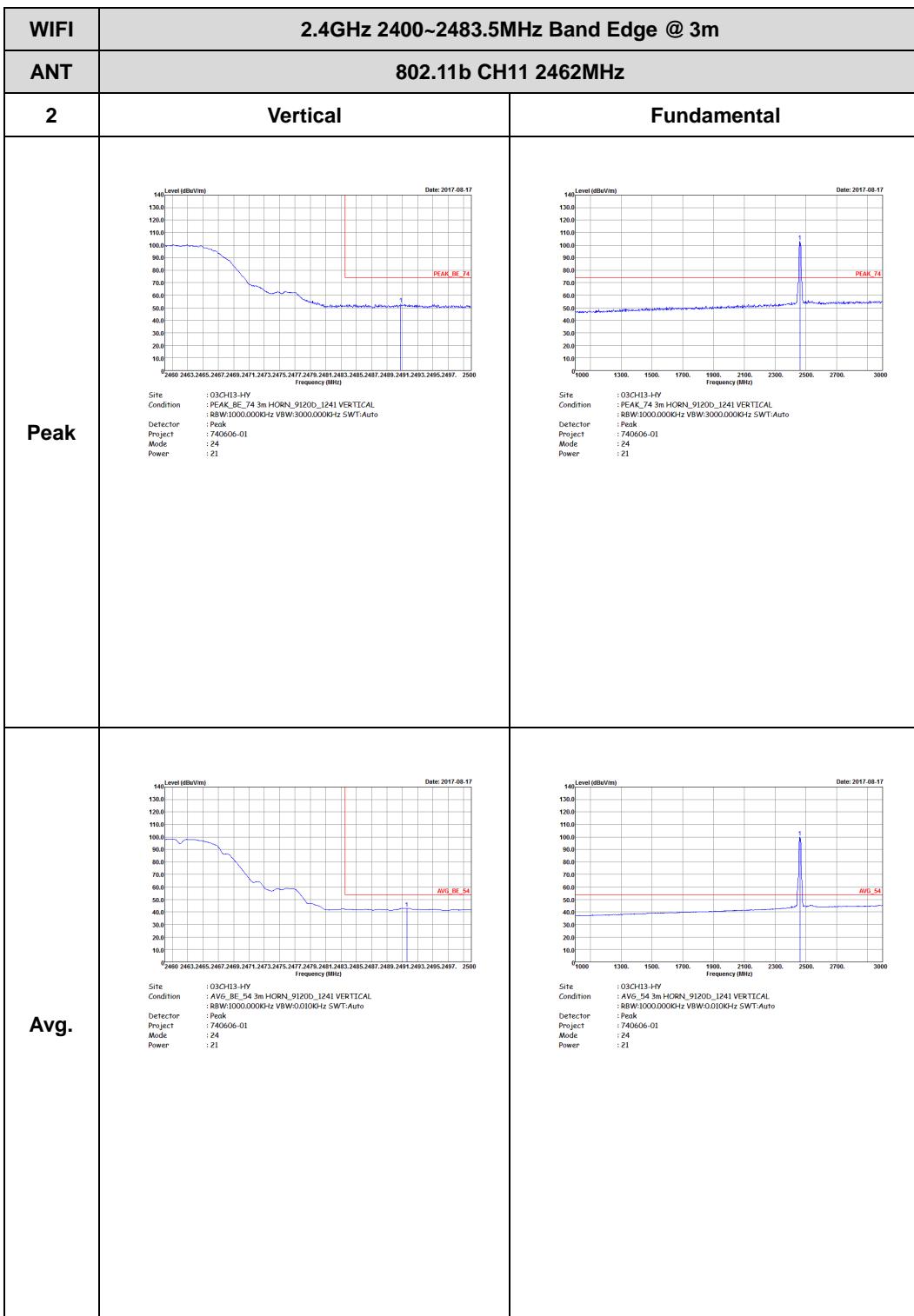
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
2	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PCMK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : R8W1000.000KHz VBW:3000.000Hz SWT:Auto Project : Peak Mode : 740606-01 Power : 23 Date: 2017-08-25</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : R8W1000.000KHz VBW:0.010KHz SWT:Auto Project : Peak Mode : 740606-01 Power : 23 Date: 2017-08-25</p>	Left blank

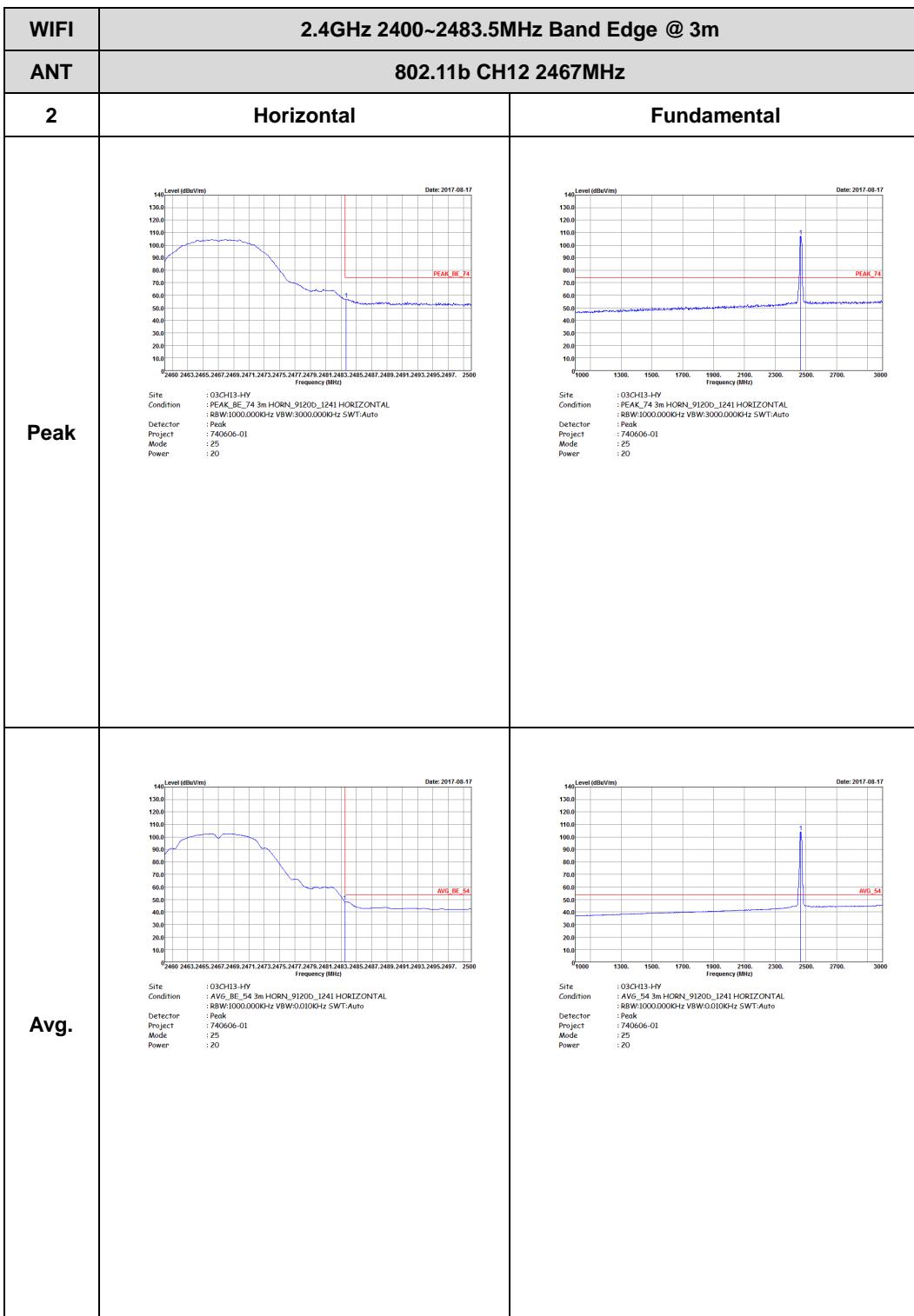


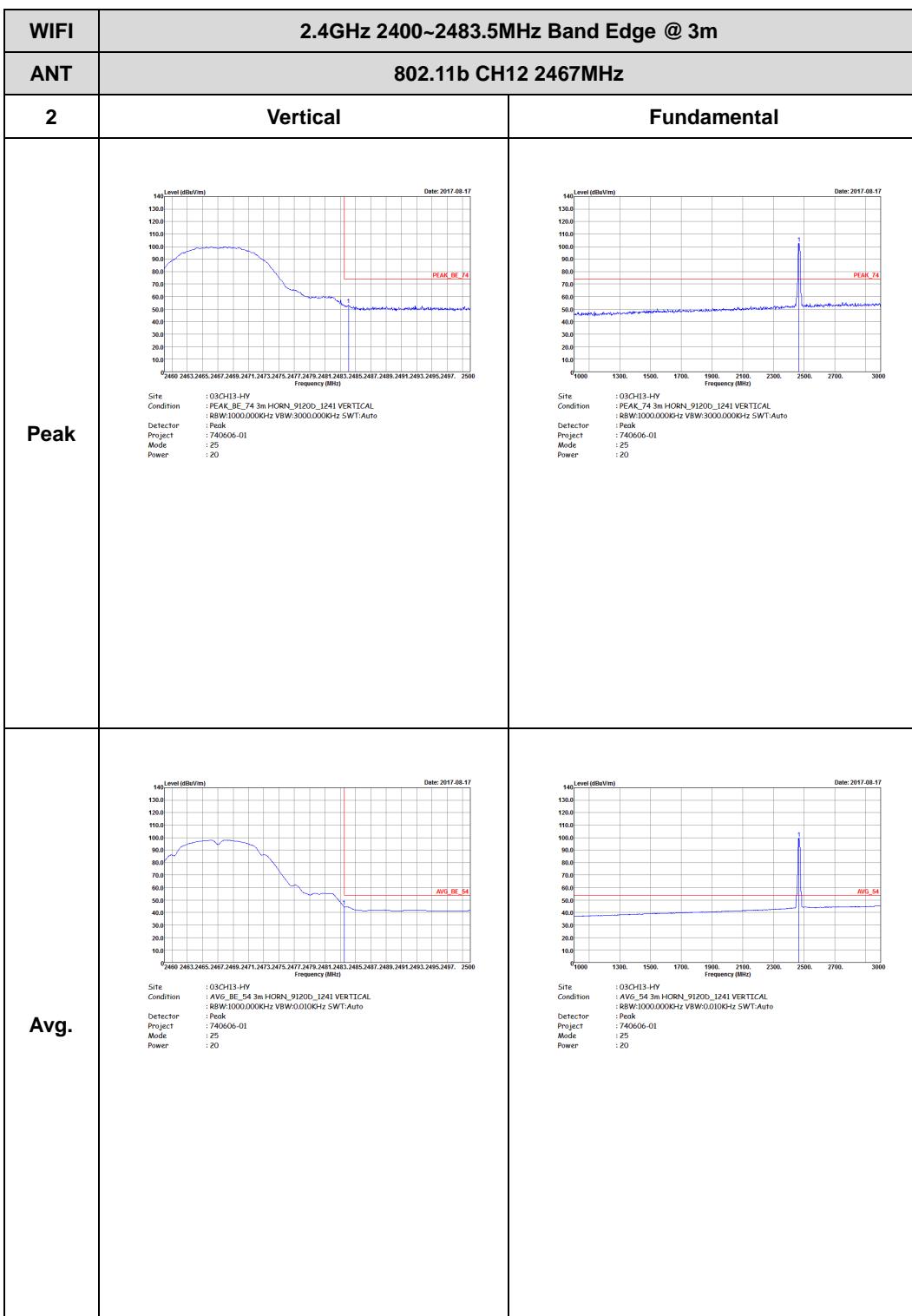


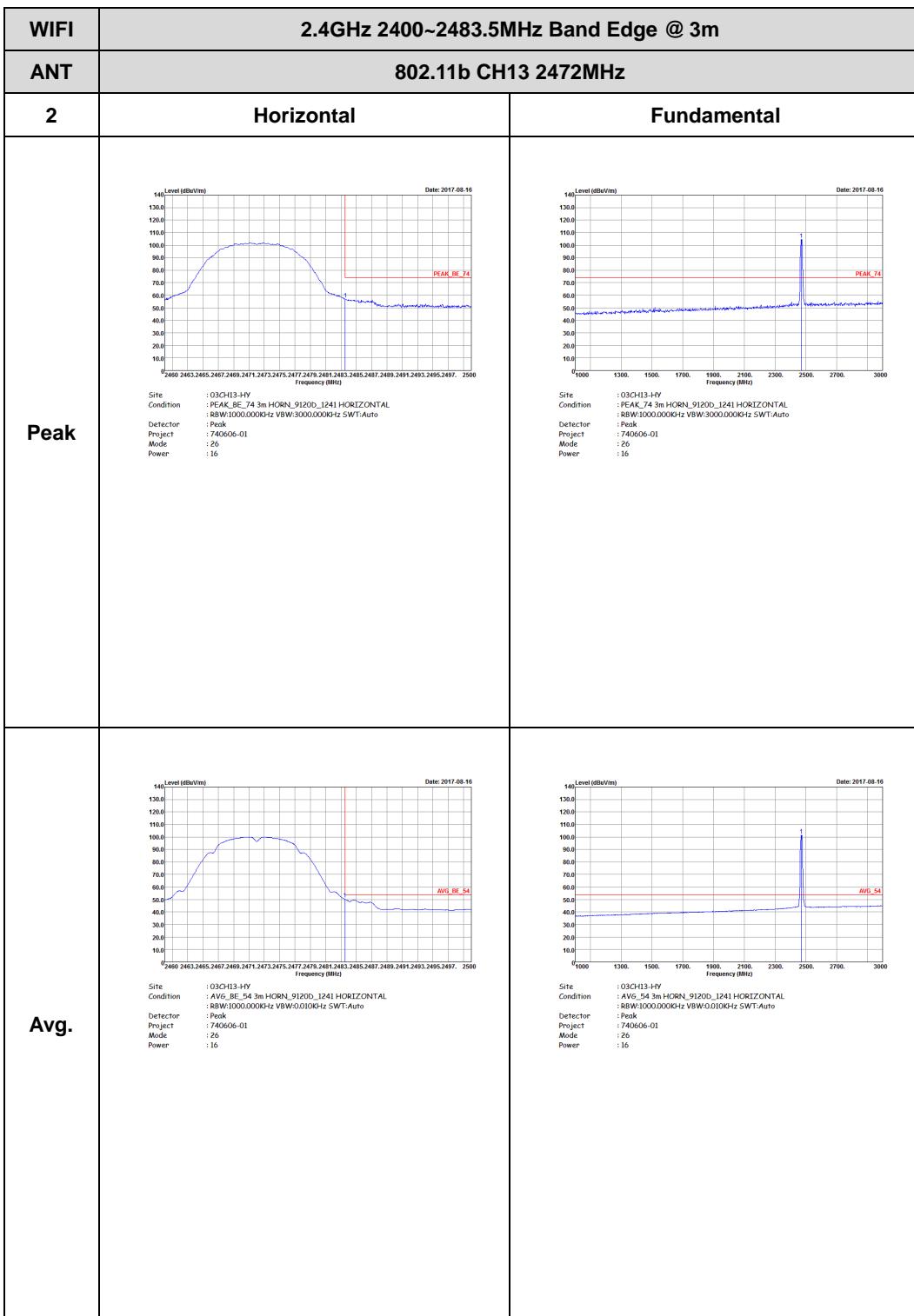
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
2	Vertical	Fundamental
Peak	 <p>Level (dBm/V/m)</p> <p>Date: 2017-08-25</p> <p>Site : 03CH13-HV Condition : PCMK_BE_74 3m HORN_91200_1241 VERTICAL Detector : R8W:1000.000KHz VBW:3000.000Hz SWT:Auto Project : Peak Mode : 740606-01 Power : 23</p>	Left blank
Avg.	 <p>Level (dBm/V/m)</p> <p>Date: 2017-08-25</p> <p>Site : AVG_BE_54 3m HORN_91200_1241 VERTICAL Condition : R8W:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 740606-01 Mode : 23 Power : 22</p>	Left blank

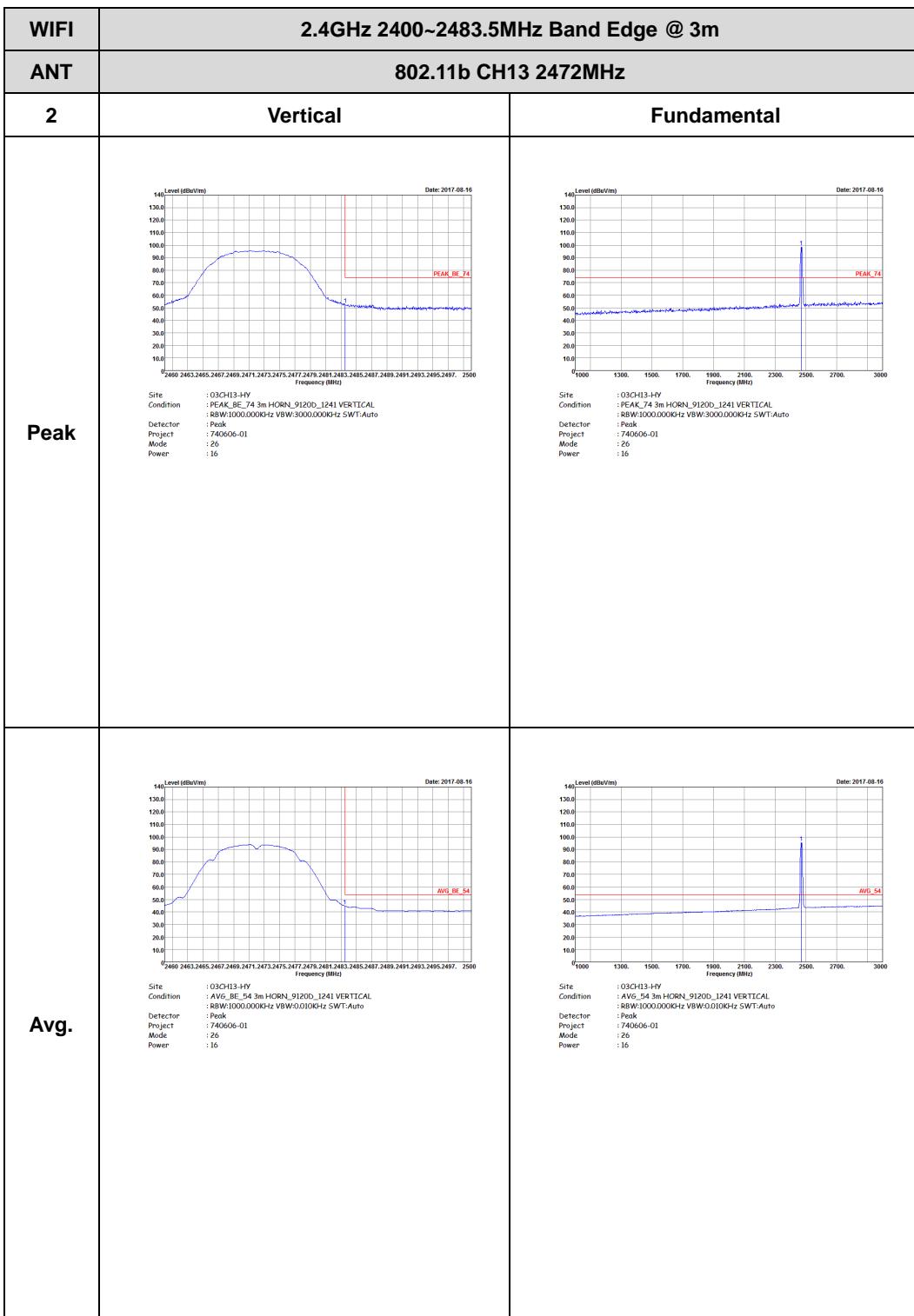








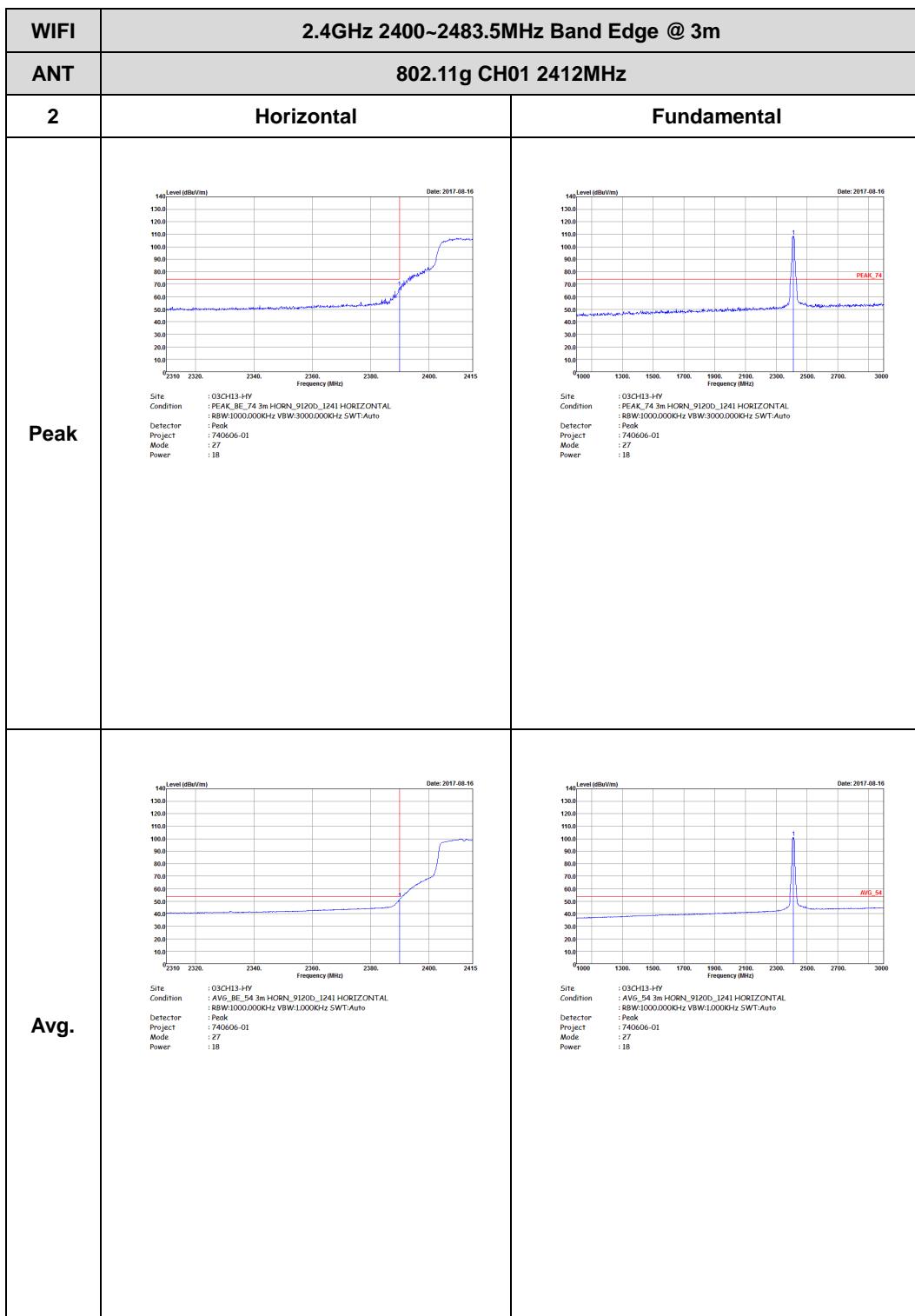


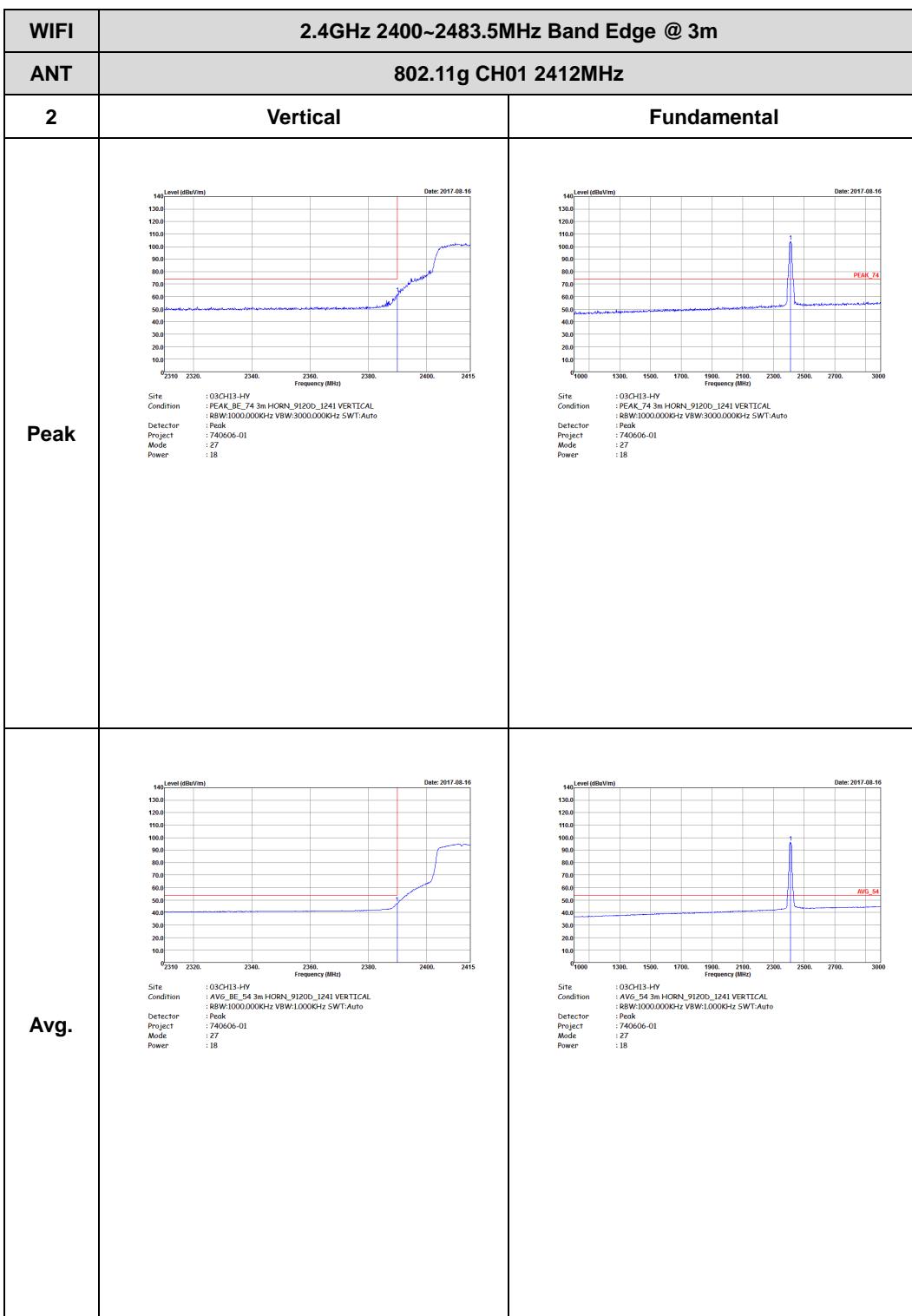


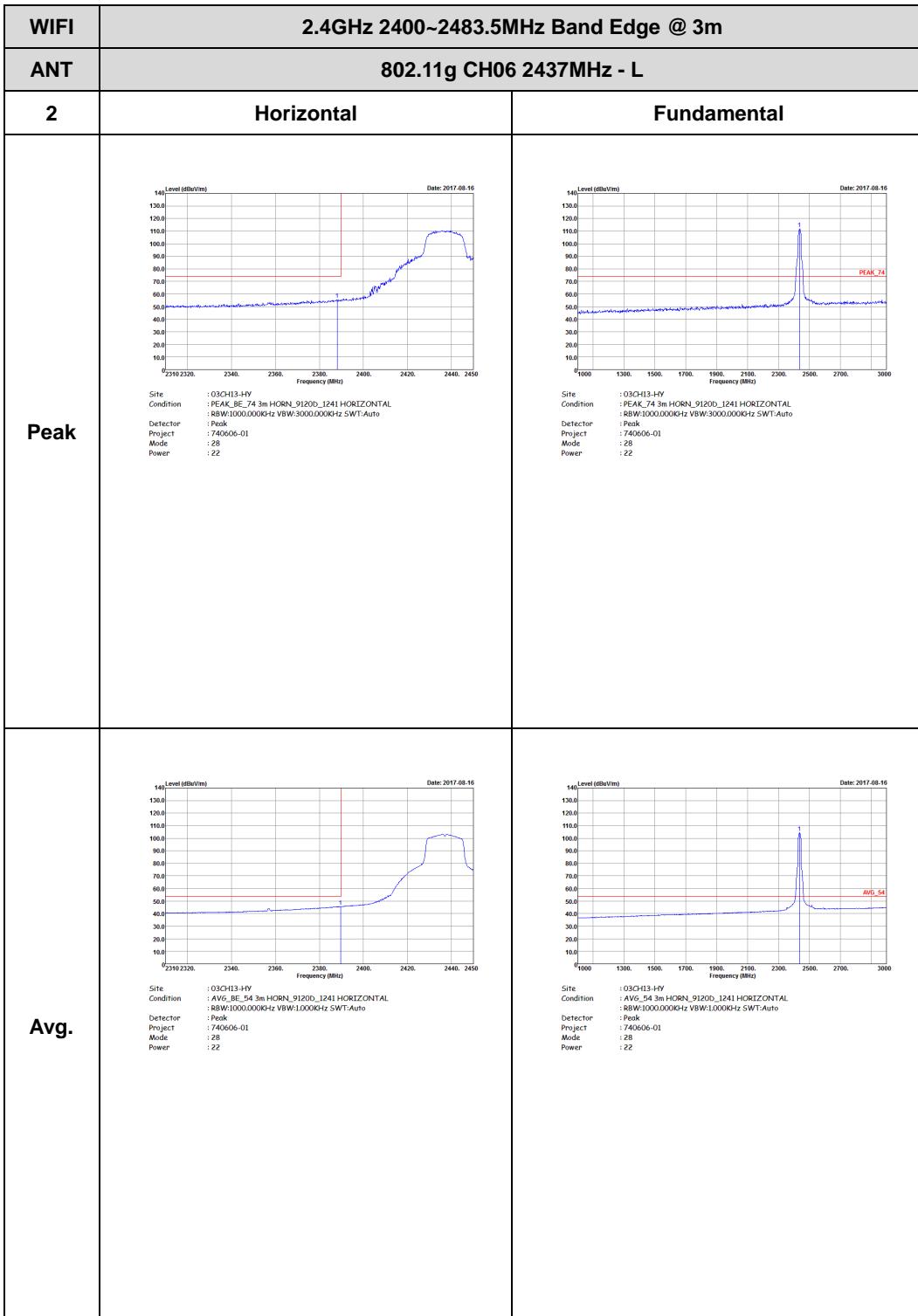


2.4GHz 2400~2483.5MHz

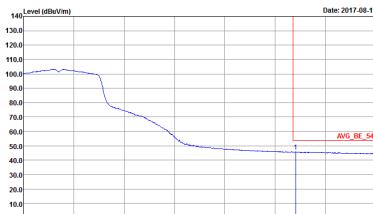
WIFI 802.11g (Band Edge @ 3m)

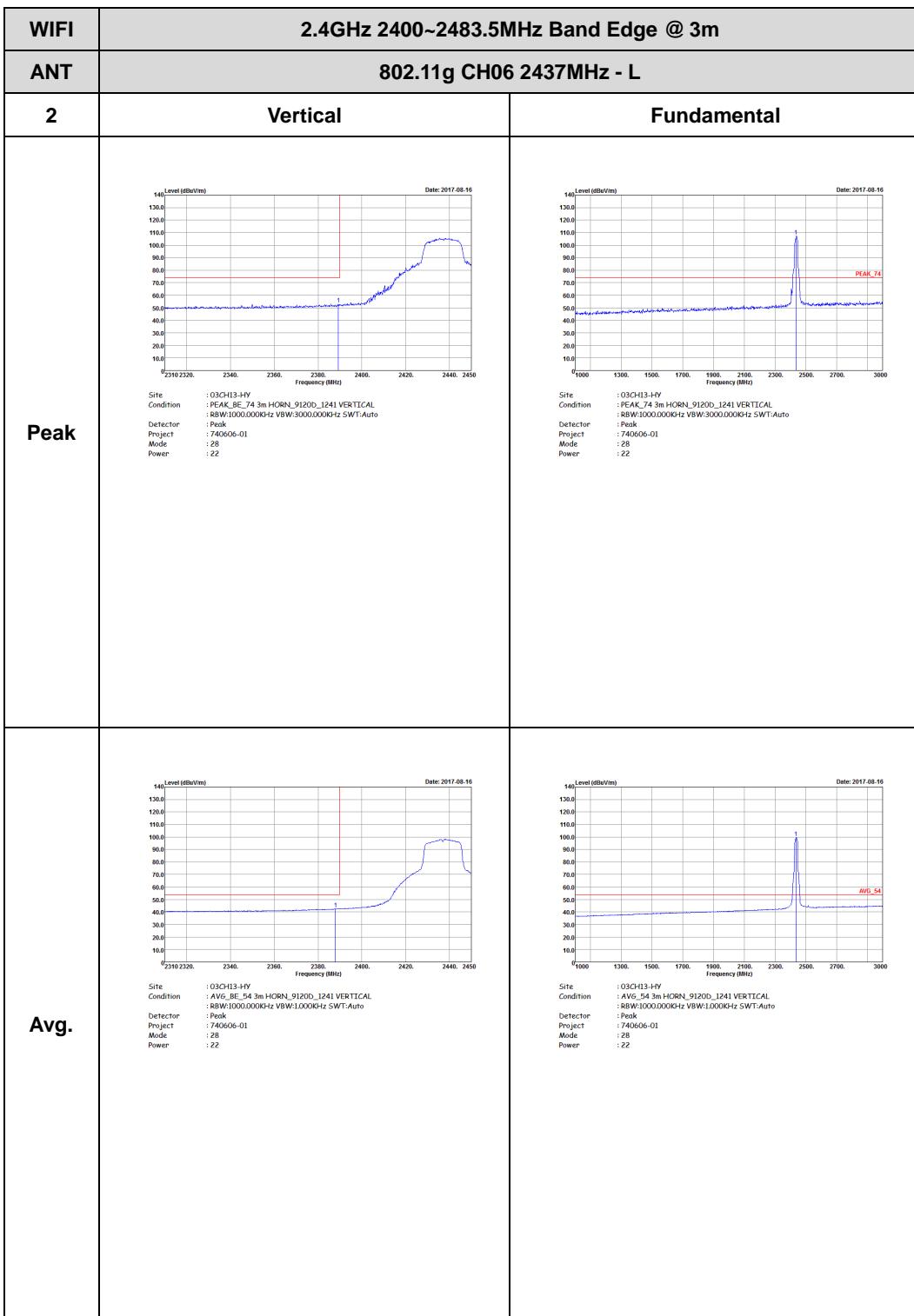




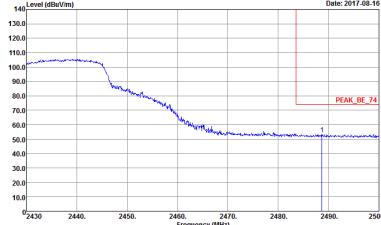


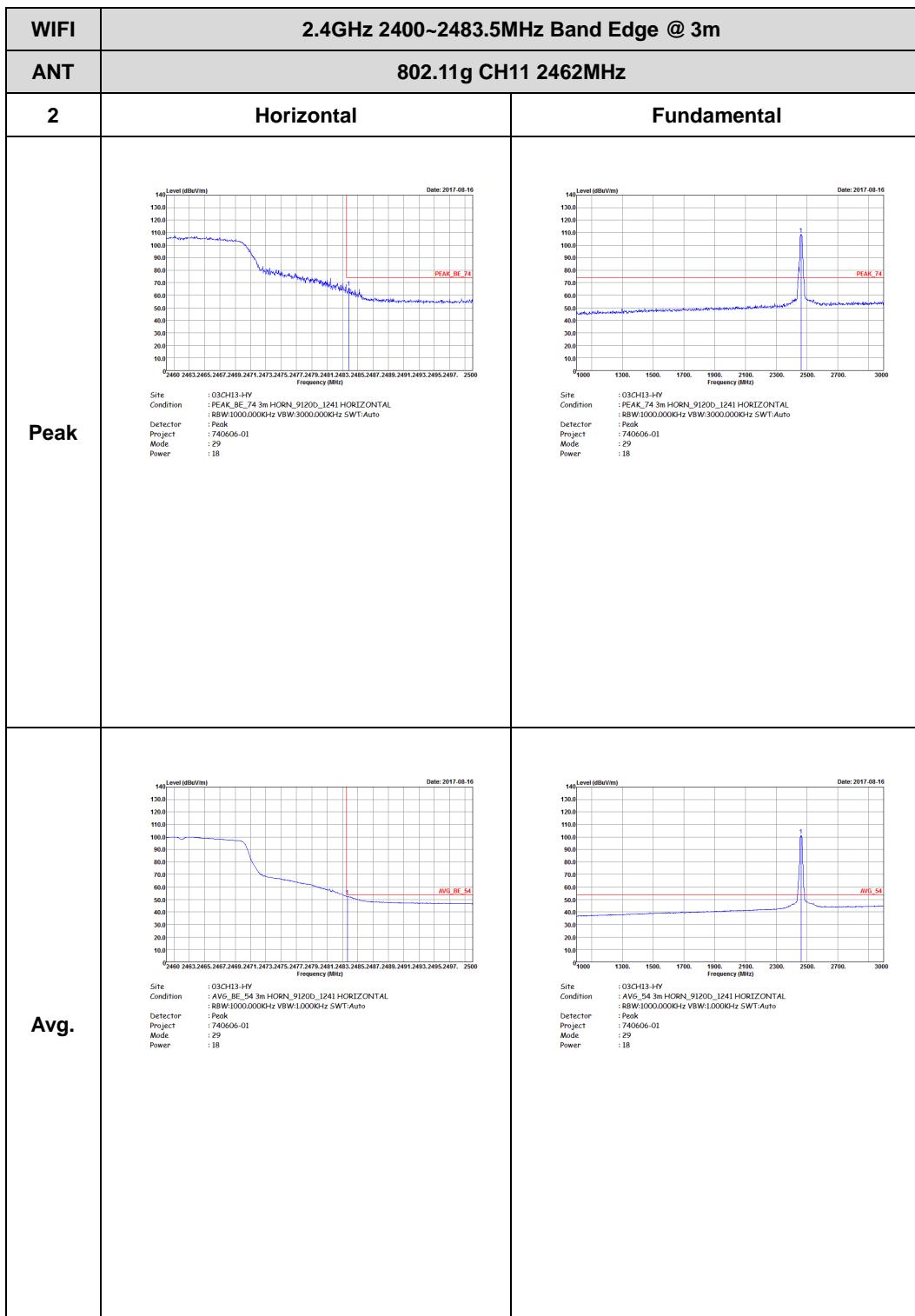


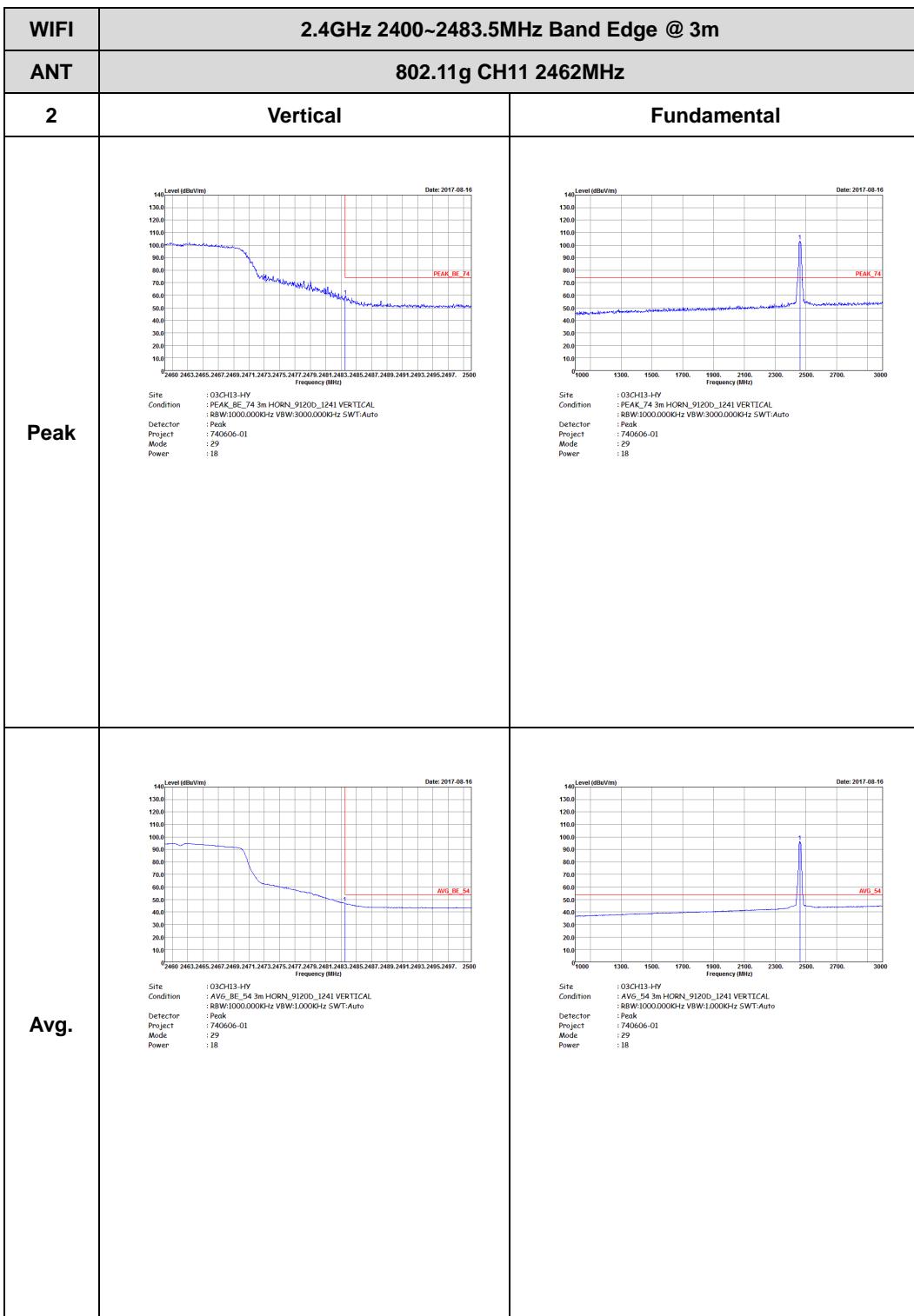
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
2	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PCAK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : R8W1000.000KHz VBW:3000.000KHz SWT:Auto Project : 740606-01 Mode : 28 Power : 22</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : R8W1000.000KHz VBW:1.000KHz SWT:Auto Project : 740606-01 Mode : 28 Power : 22</p>	Left blank

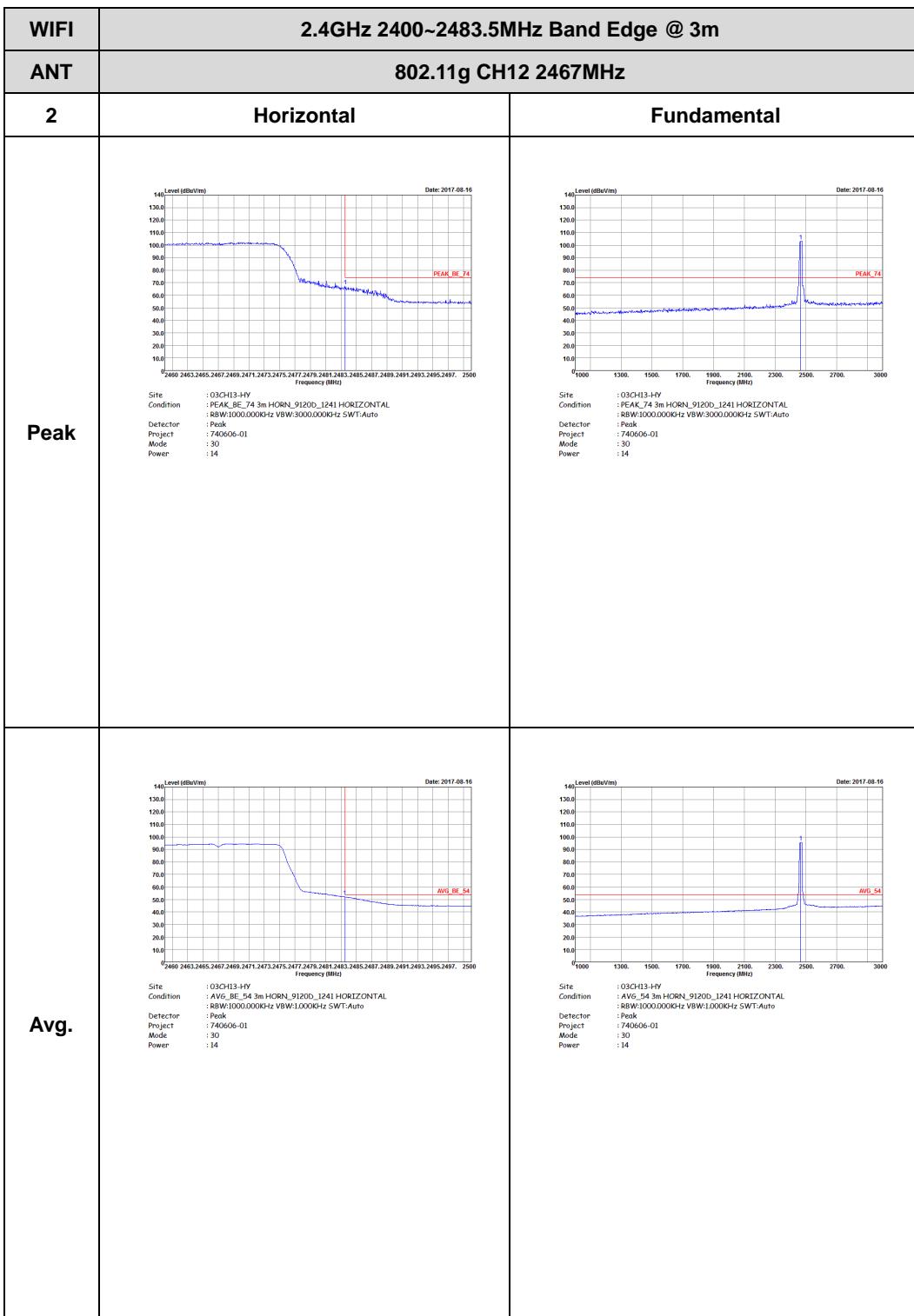


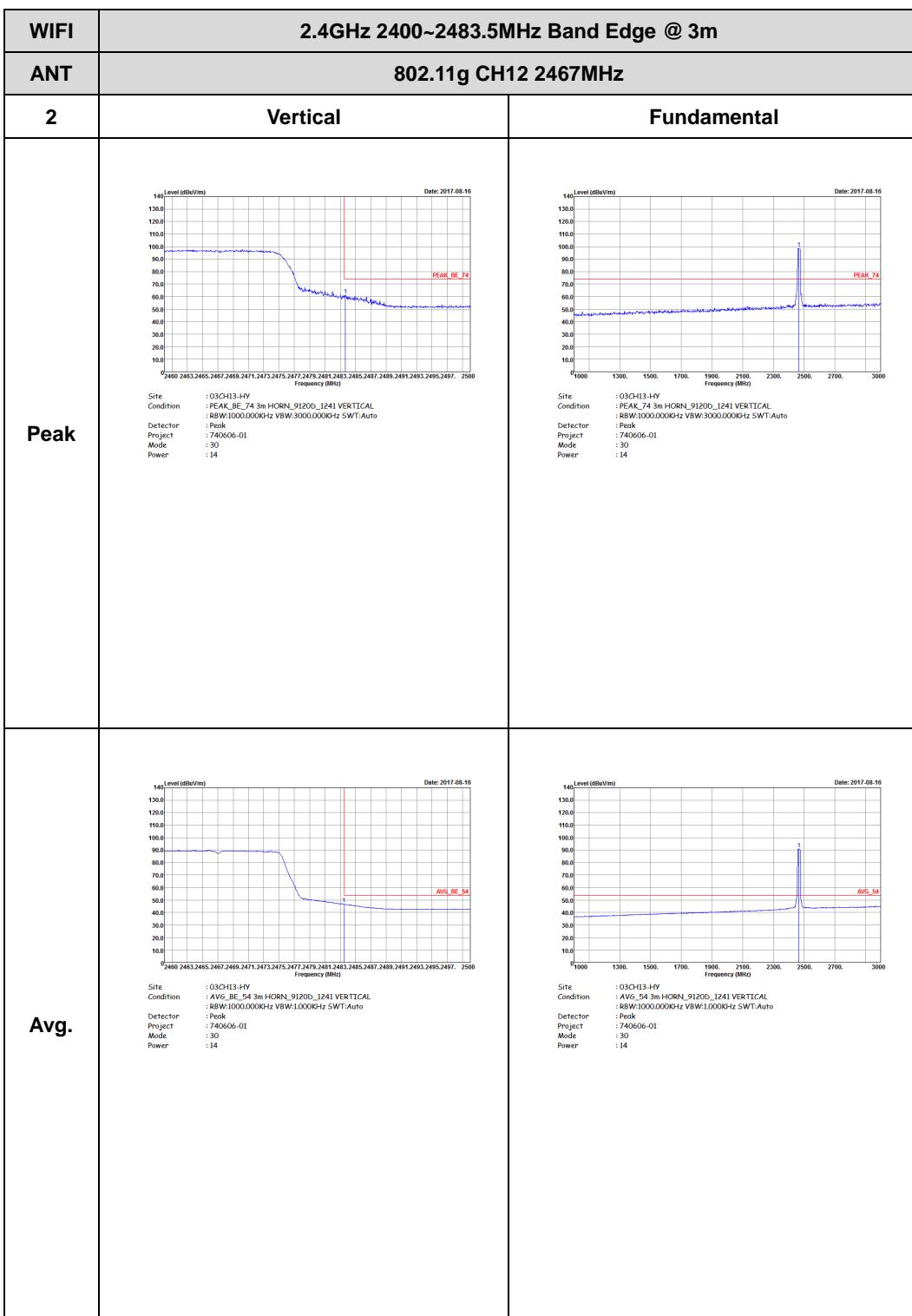


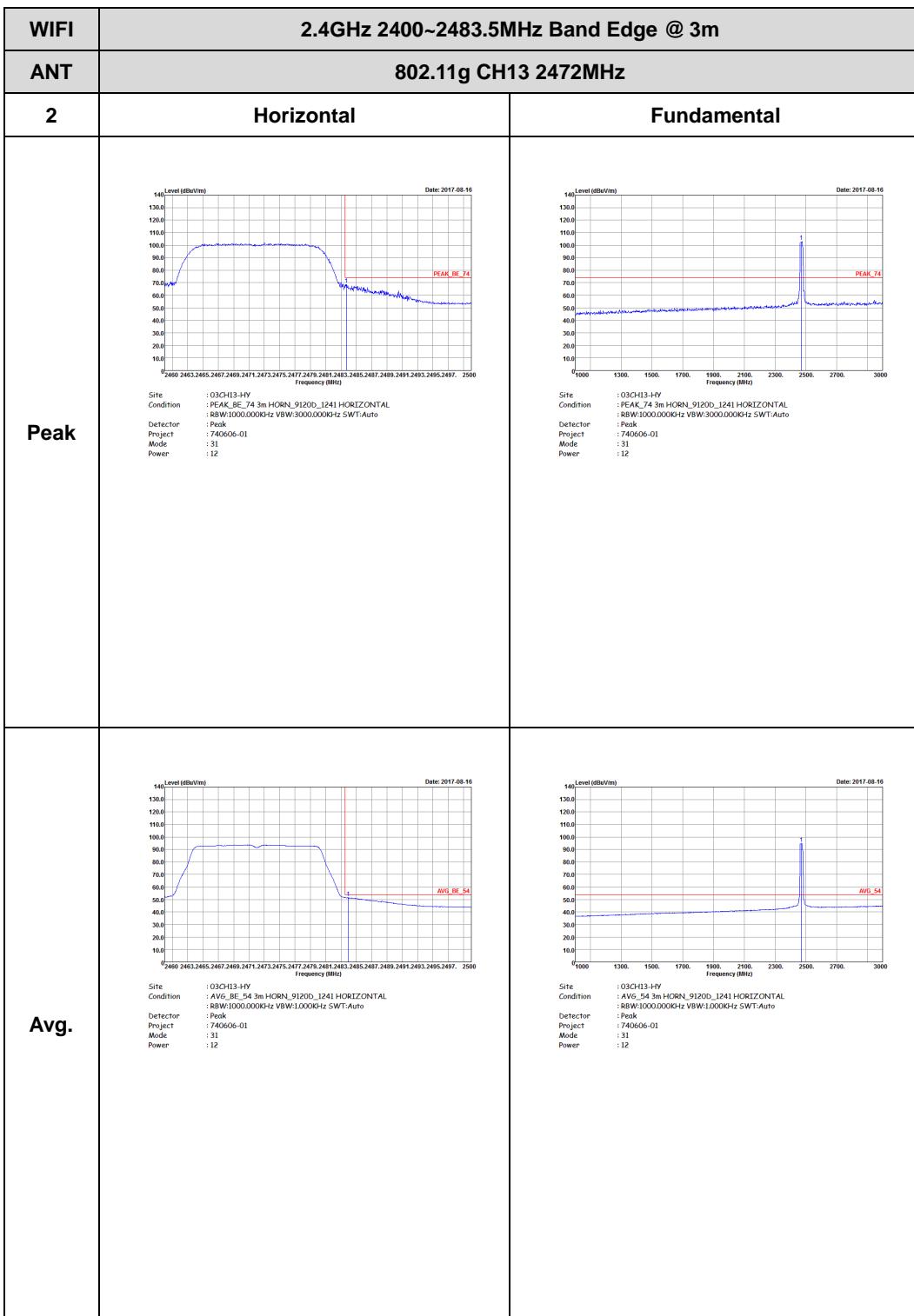
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
2	Vertical	Fundamental
Peak	 <p>Level (dBm/V/m)</p> <p>Date: 2017.08.16</p> <p>Site : 03CH13-HV Condition : PCMK_BE_74 3m HORN_91200_1241 VERTICAL Detector : R8W1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 740606-01 Power : 28</p>	Left Blank
Avg.	 <p>Level (dBm/V/m)</p> <p>Date: 2017.08.16</p> <p>Site : AVG_BE_54 3m HORN_91200_1241 VERTICAL Condition : R8W1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740606-01 Mode : 28 Power : 22</p>	Left Blank

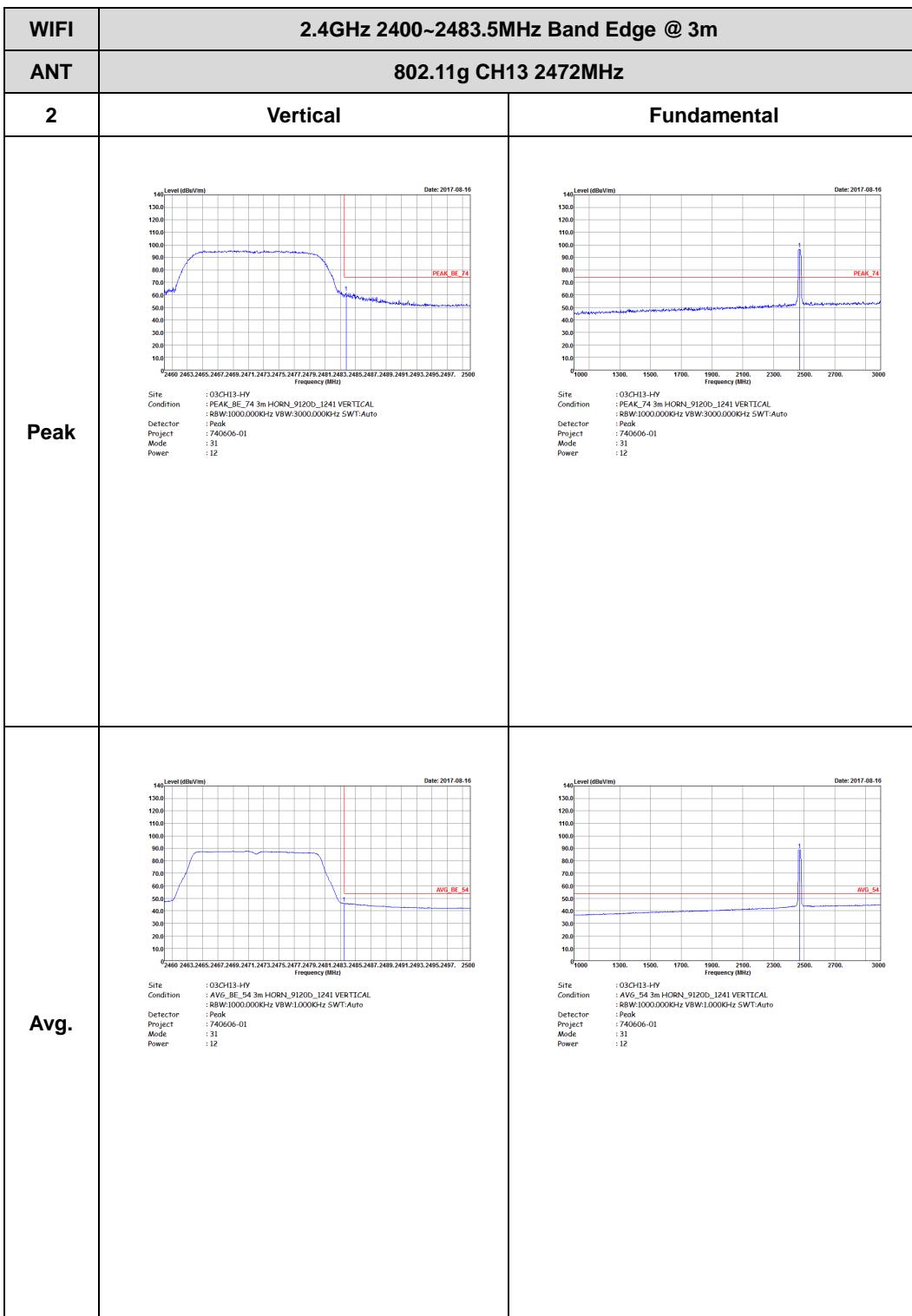








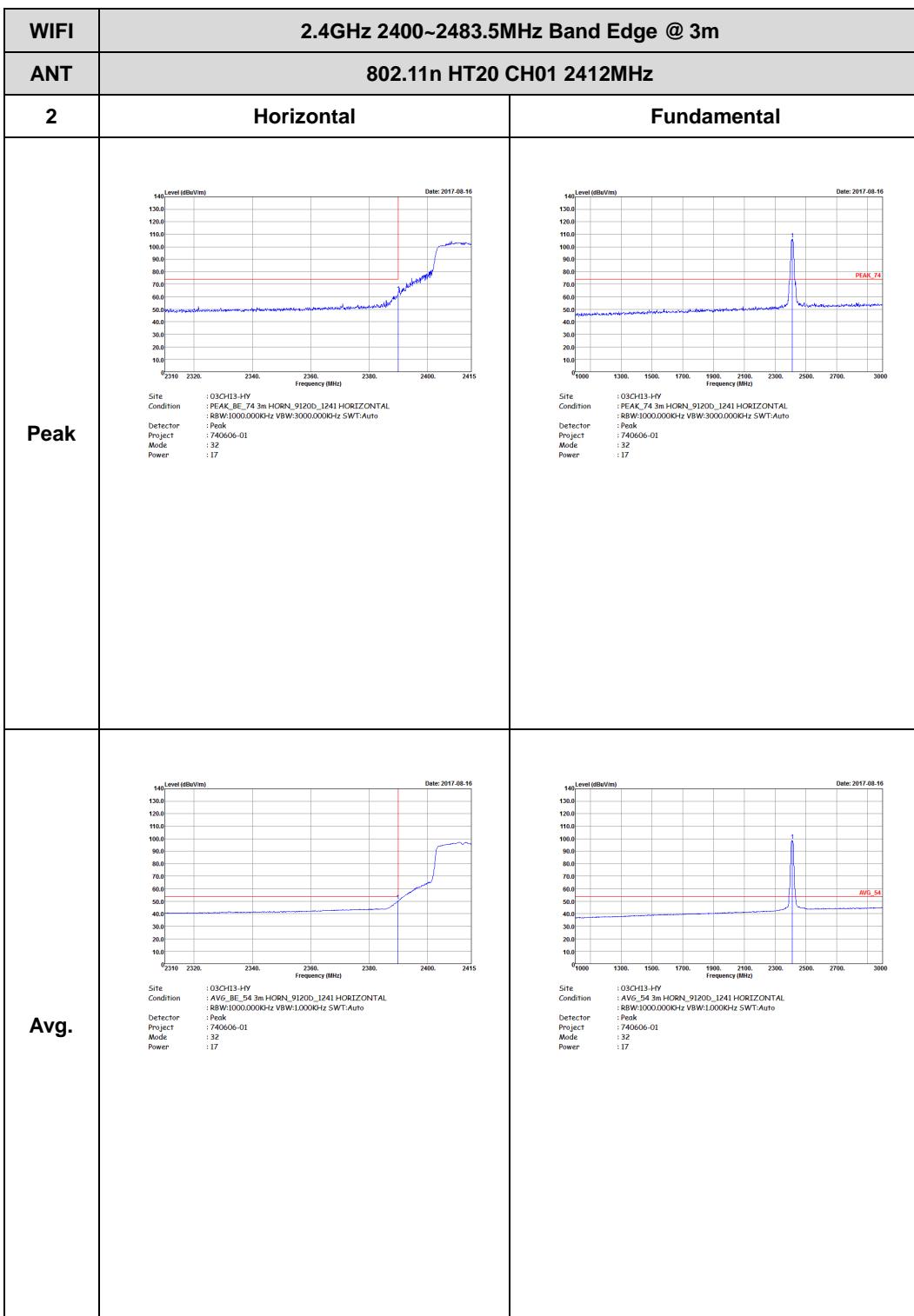


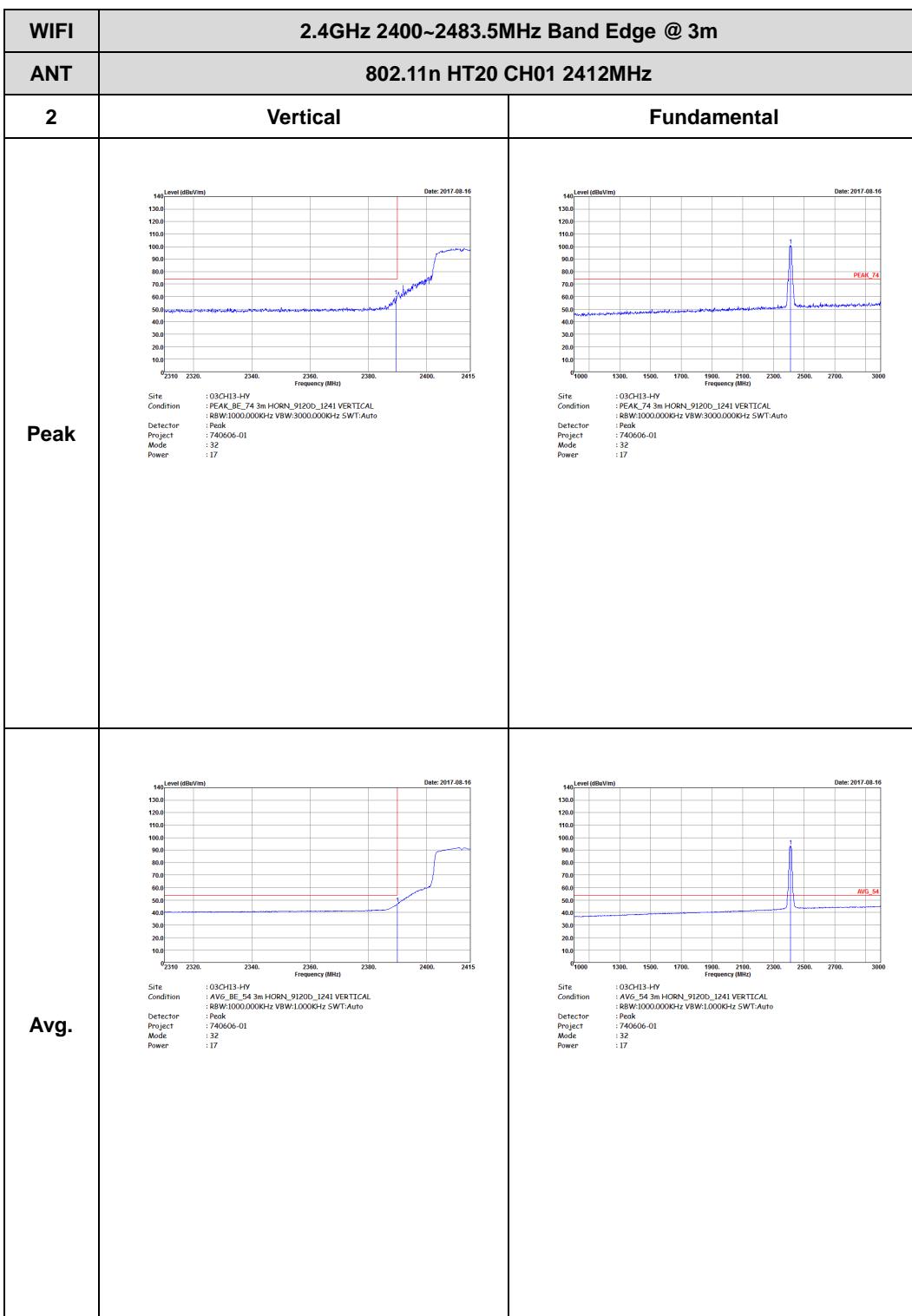


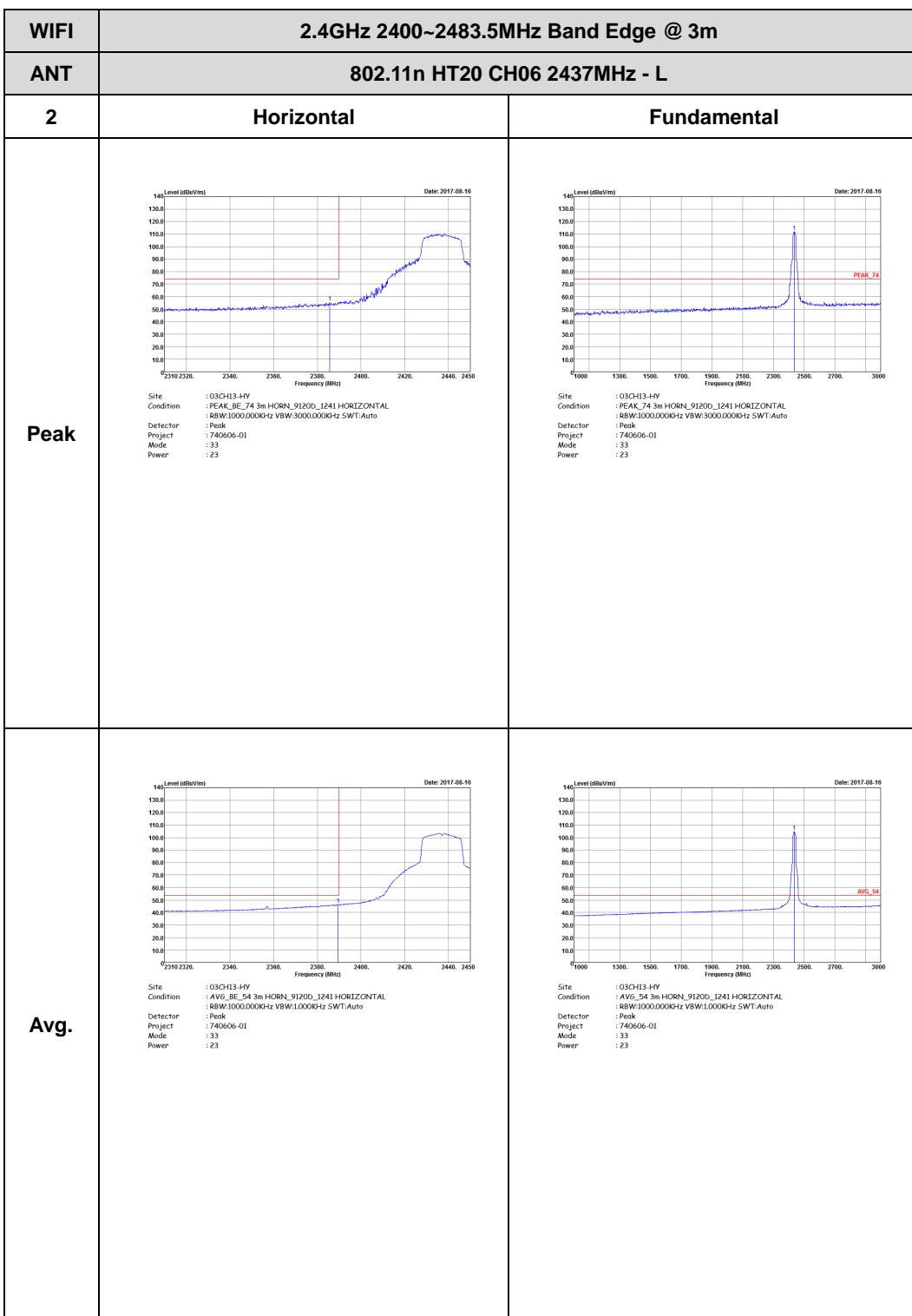


2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

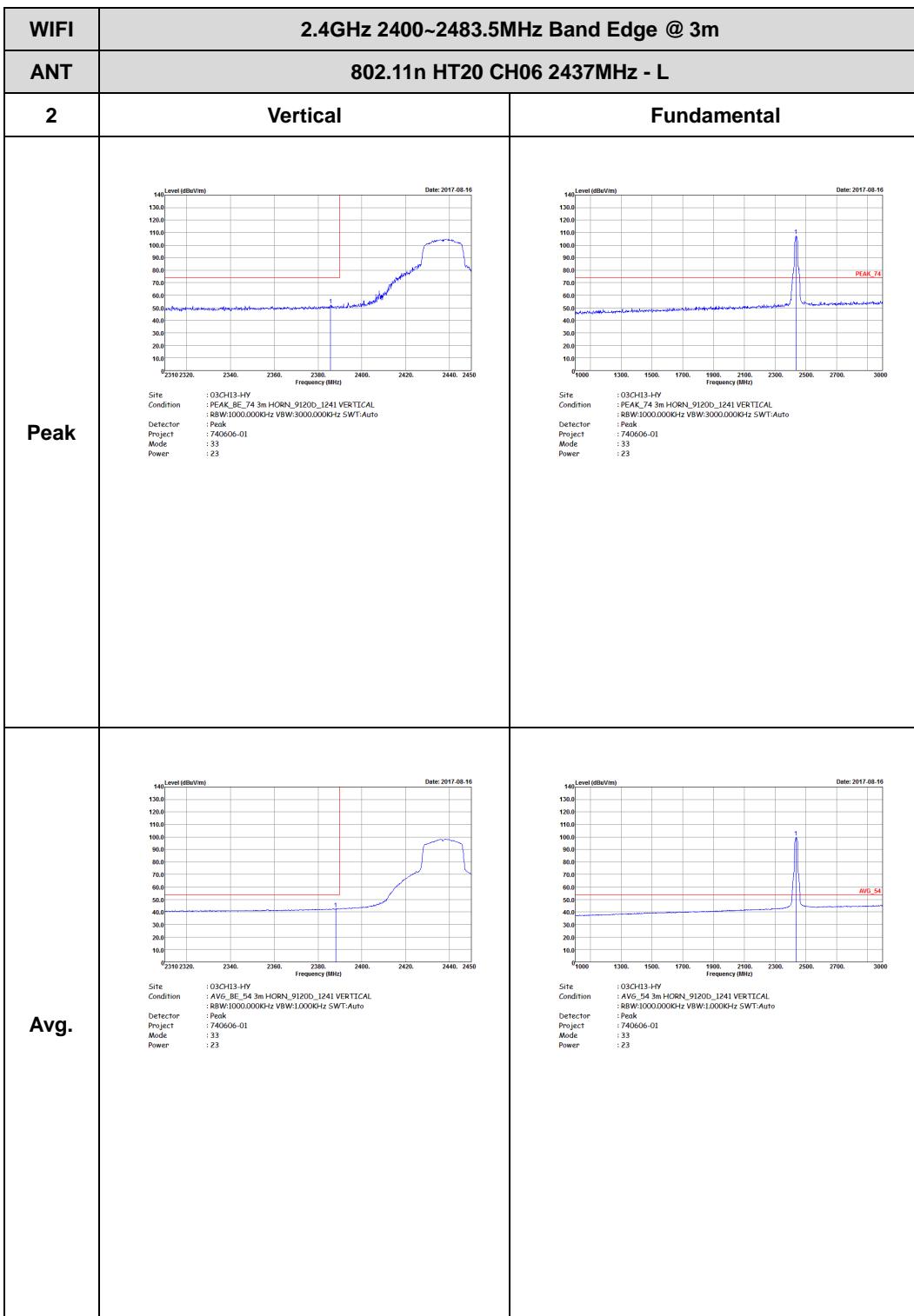






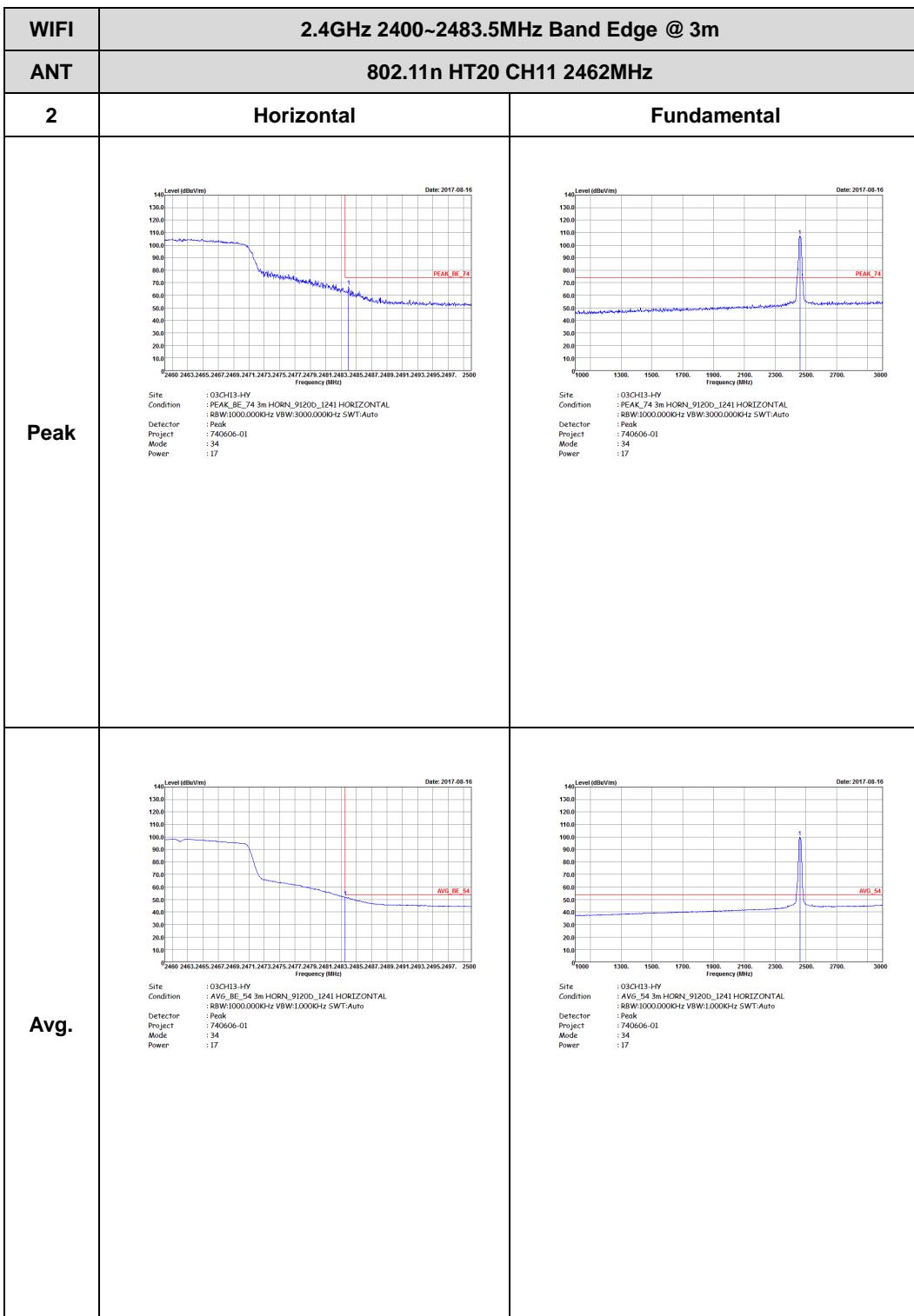


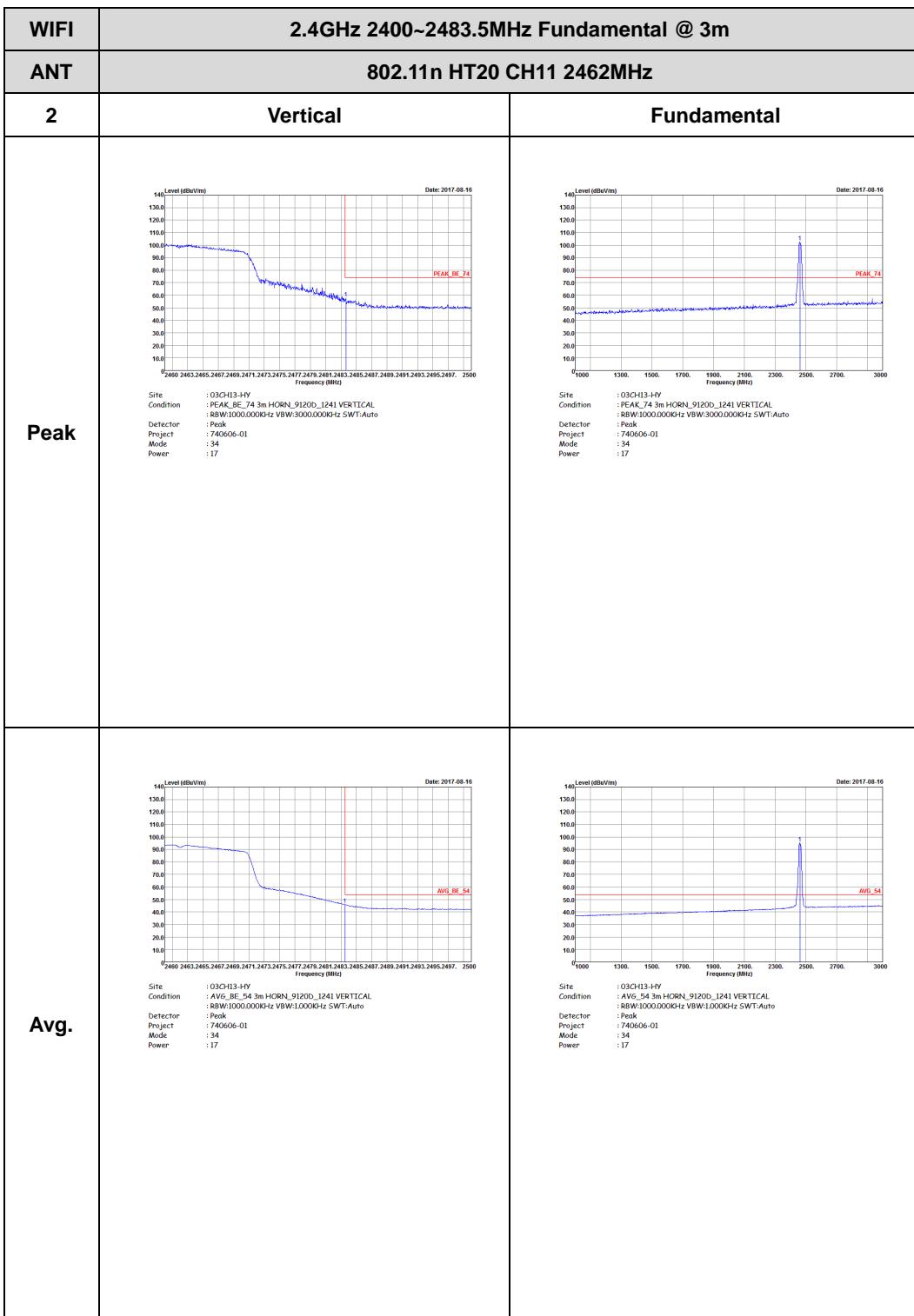
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
2	Horizontal	Fundamental
Peak	<p>Site : 03CH13-HV Condition : PCMK_BE_74 3m HORN_91200_1241 HORIZONTAL Detector : R8W1000.000KHz VBW:3000.000KHz SWT:Auto Project : 740606-01 Mode : 33 Power : 23</p>	Left blank
Avg.	<p>Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL Detector : R8W1000.000KHz VBW:1.000KHz SWT:Auto Project : 740606-01 Mode : 33 Power : 23</p>	Left blank

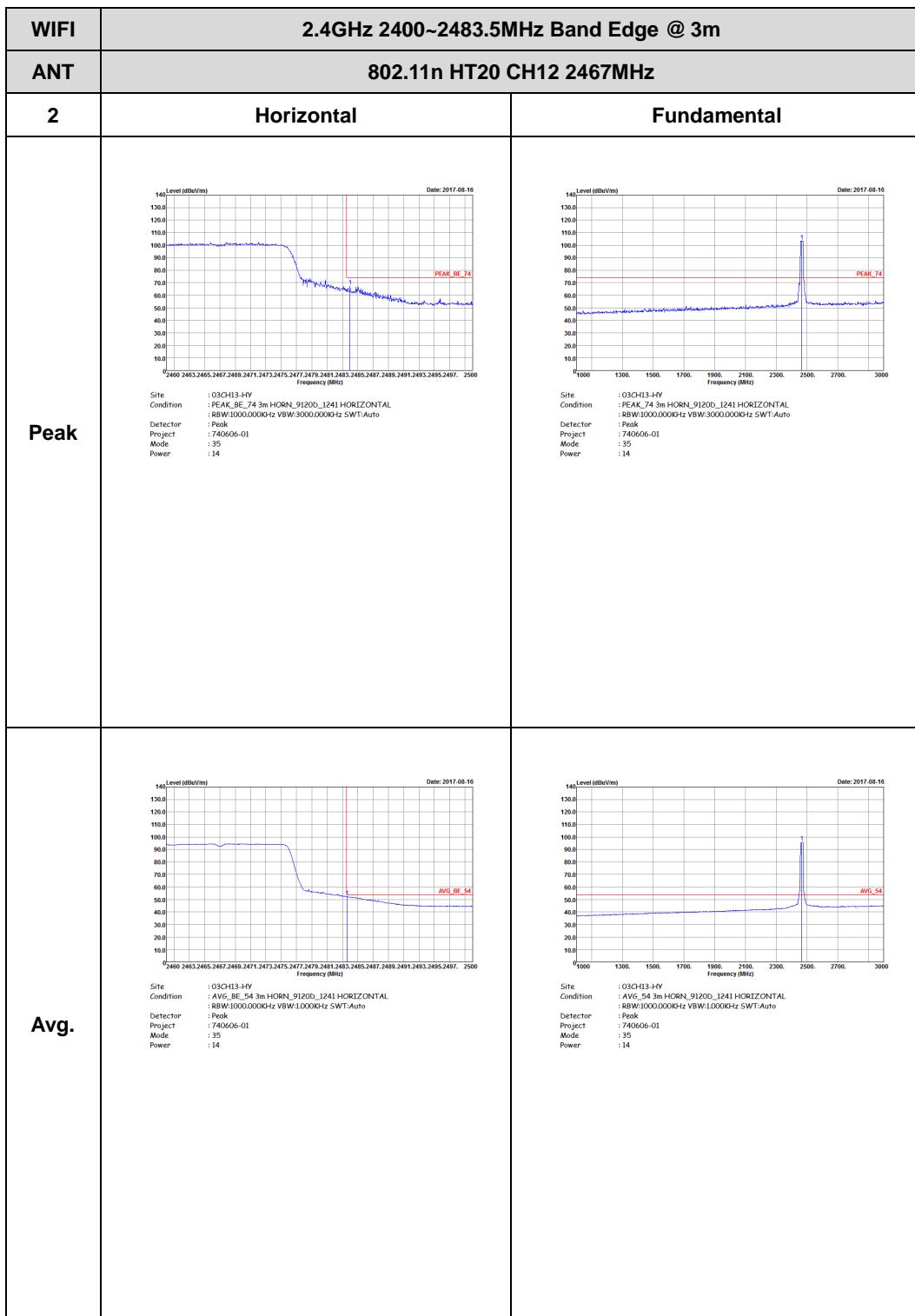


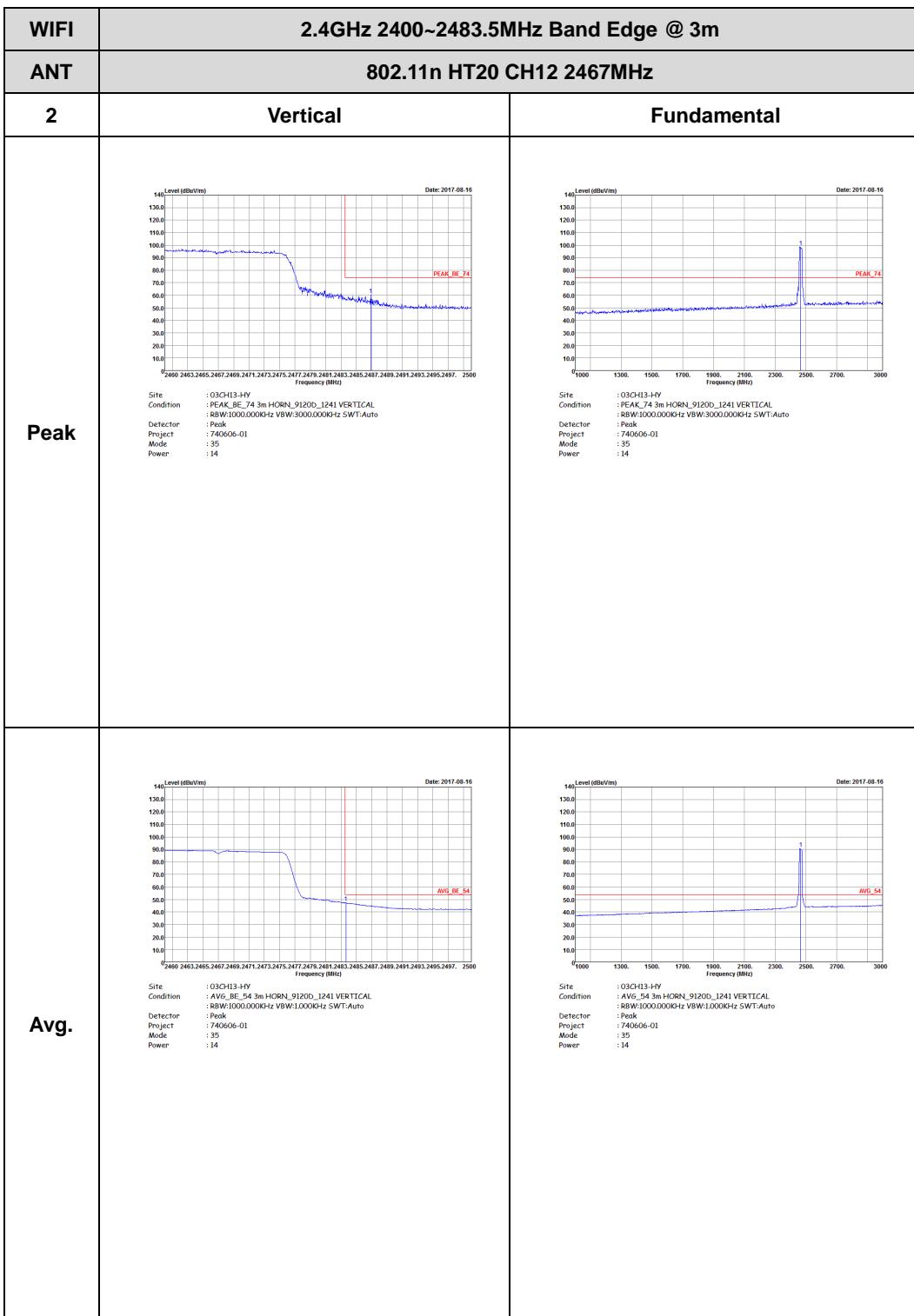


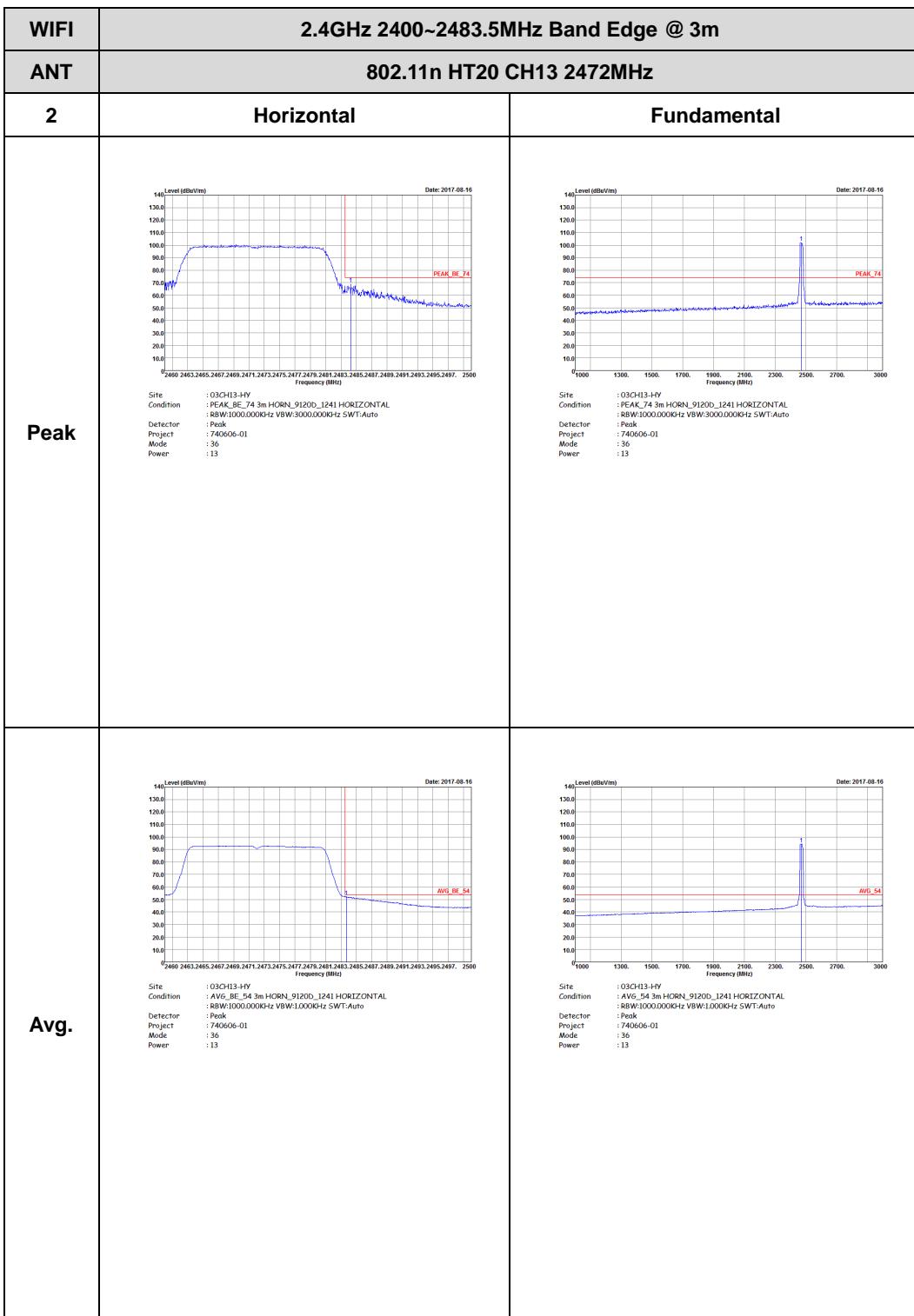
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
2	Vertical	Fundamental
Peak	 Date: 2017-08-16 Site : 03CH13-HV Condition : PCMK_BE_74 3m HORN_91200_1241 VERTICAL Detector : R8W1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 740606-01 Power : 23	Left Blank
Avg.	 Date: 2017-08-16 Site : AVG_BE_54 3m HORN_91200_1241 VERTICAL Condition : R8W1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 740606-01 Mode : 33 Power : 23	Left Blank

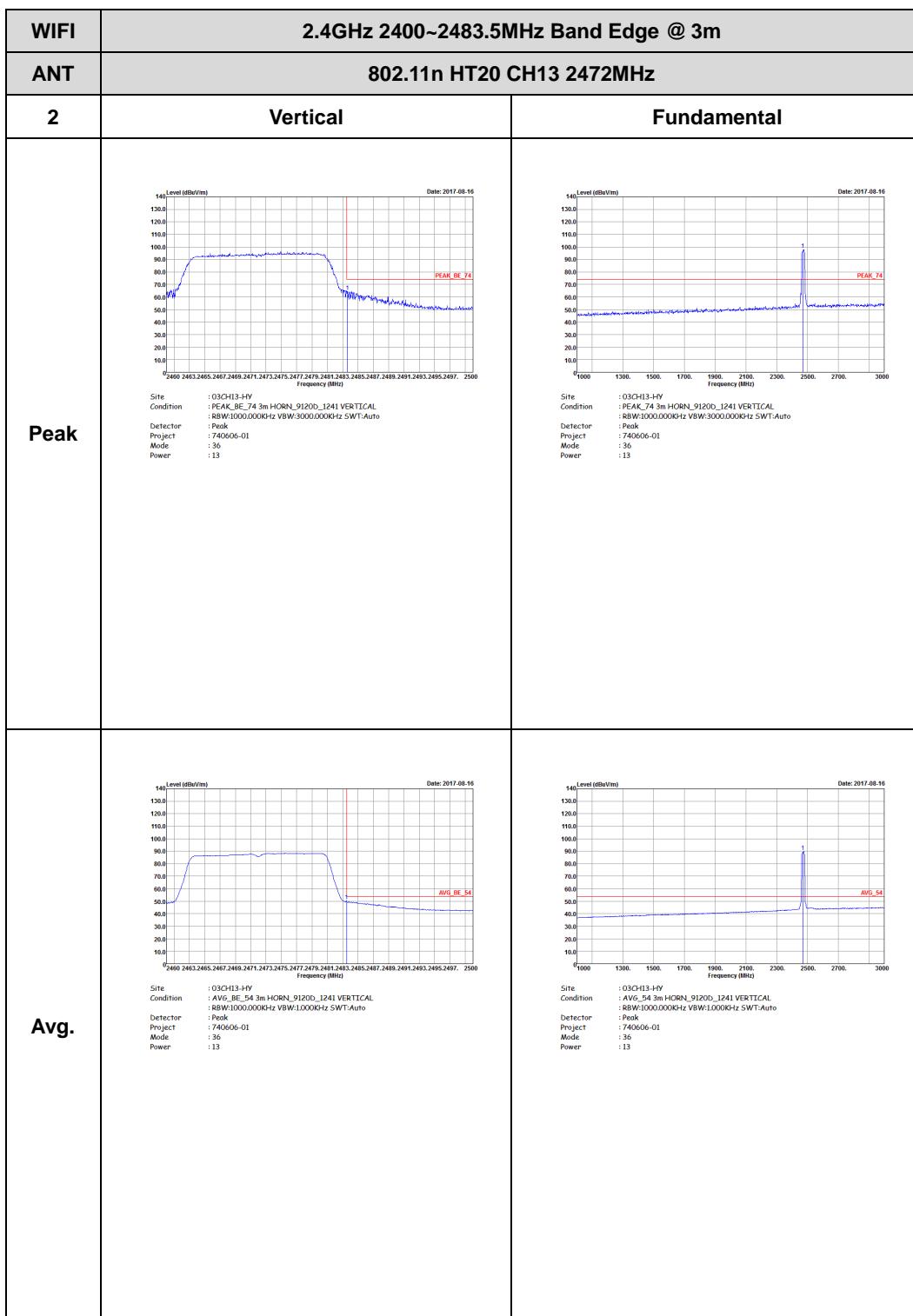








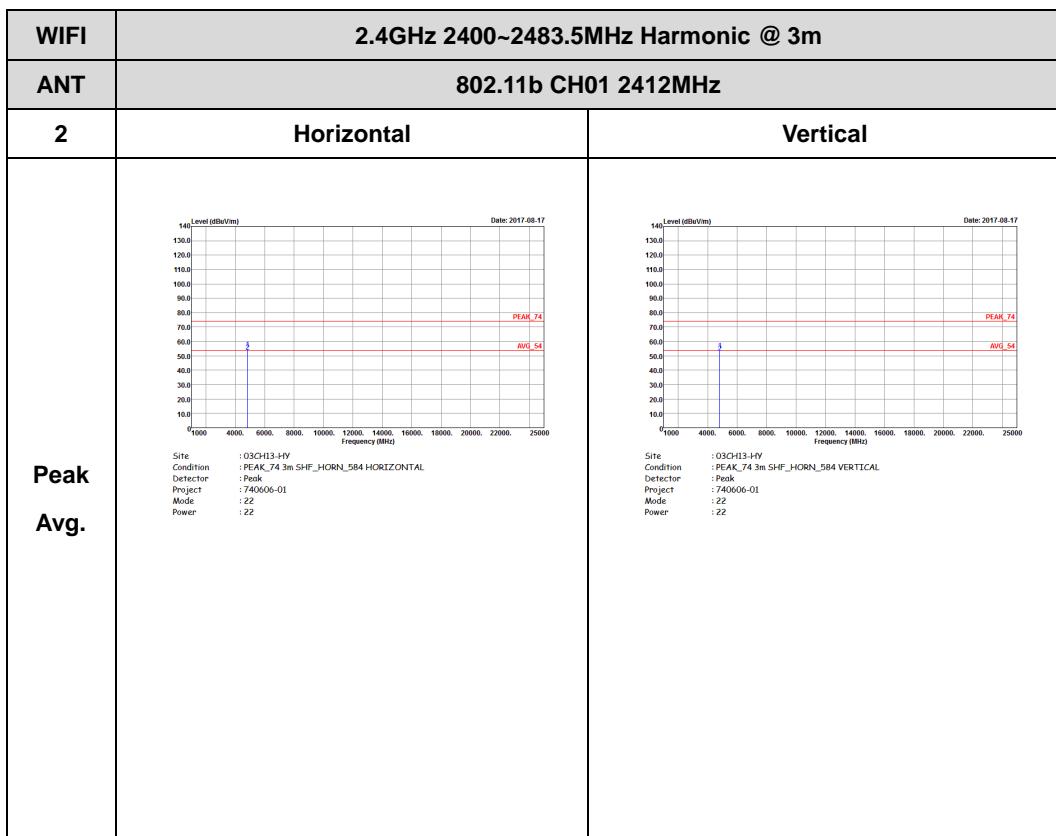


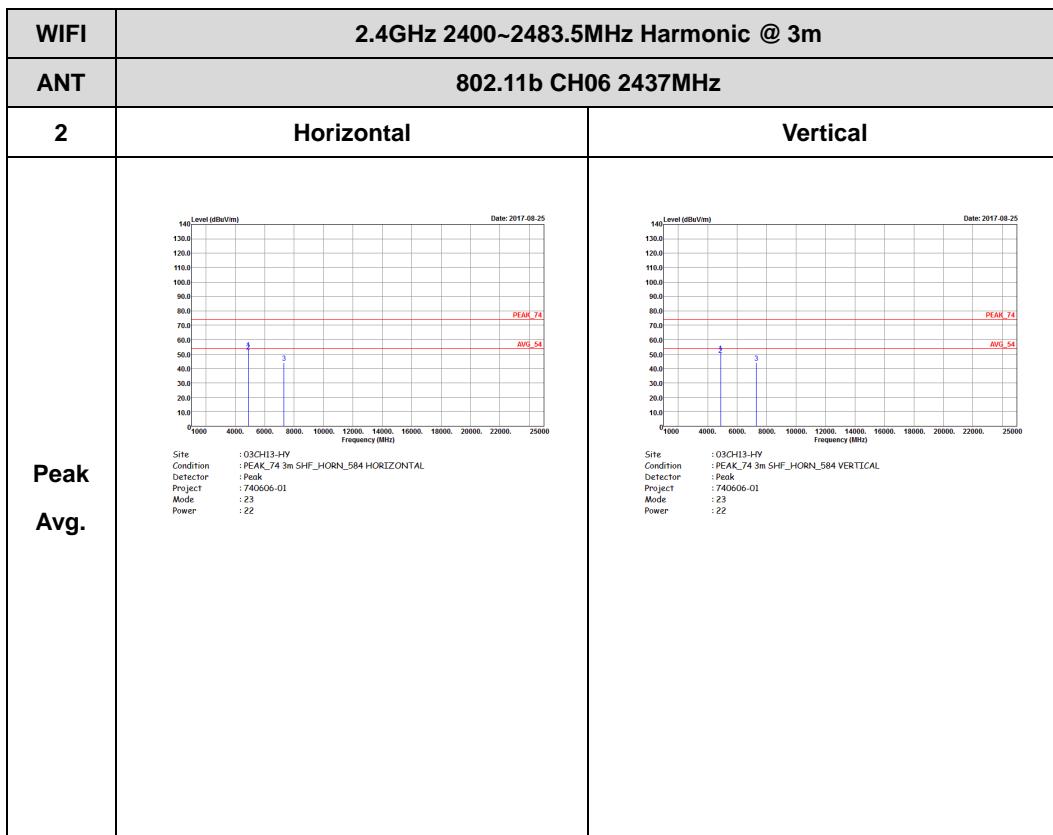


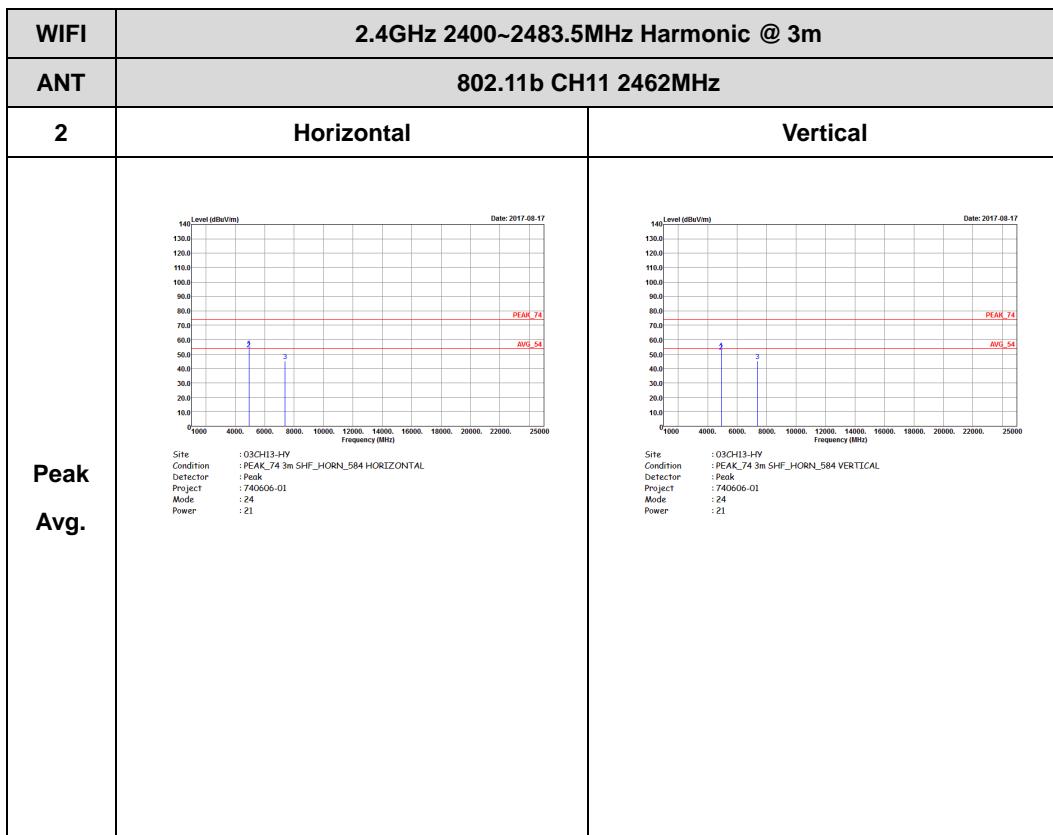


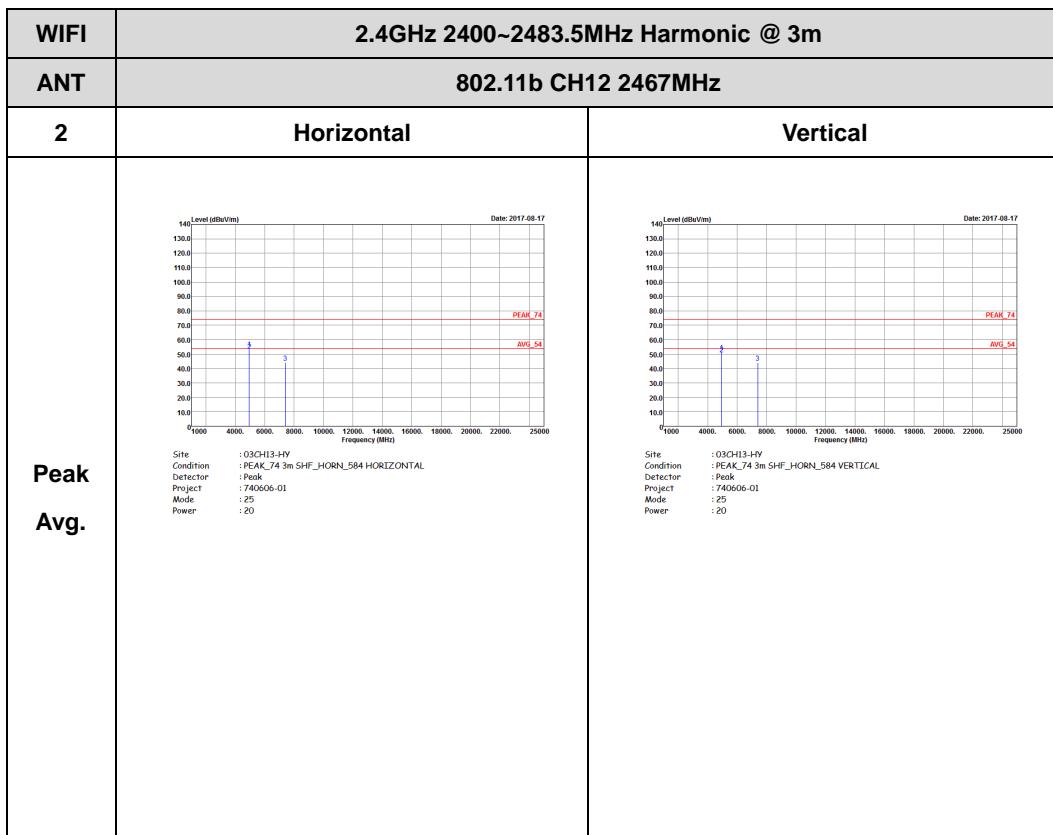
2.4GHz 2400~2483.5MHz

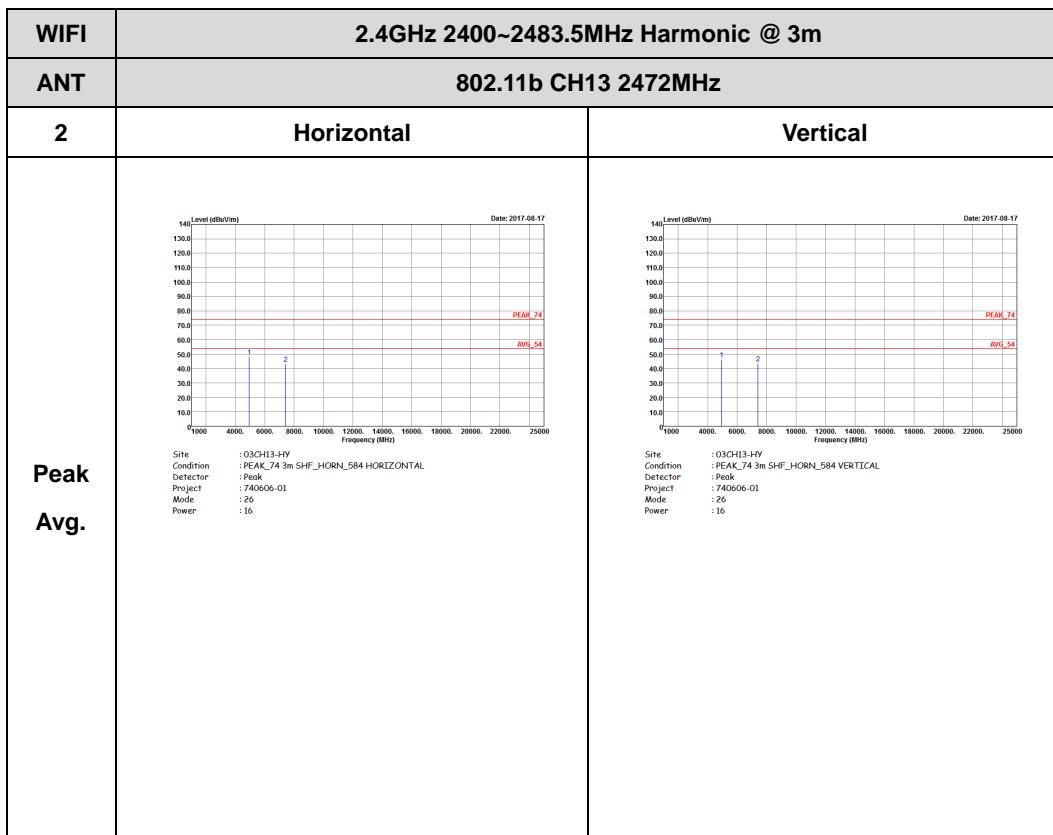
WIFI 802.11b (Harmonic @ 3m)







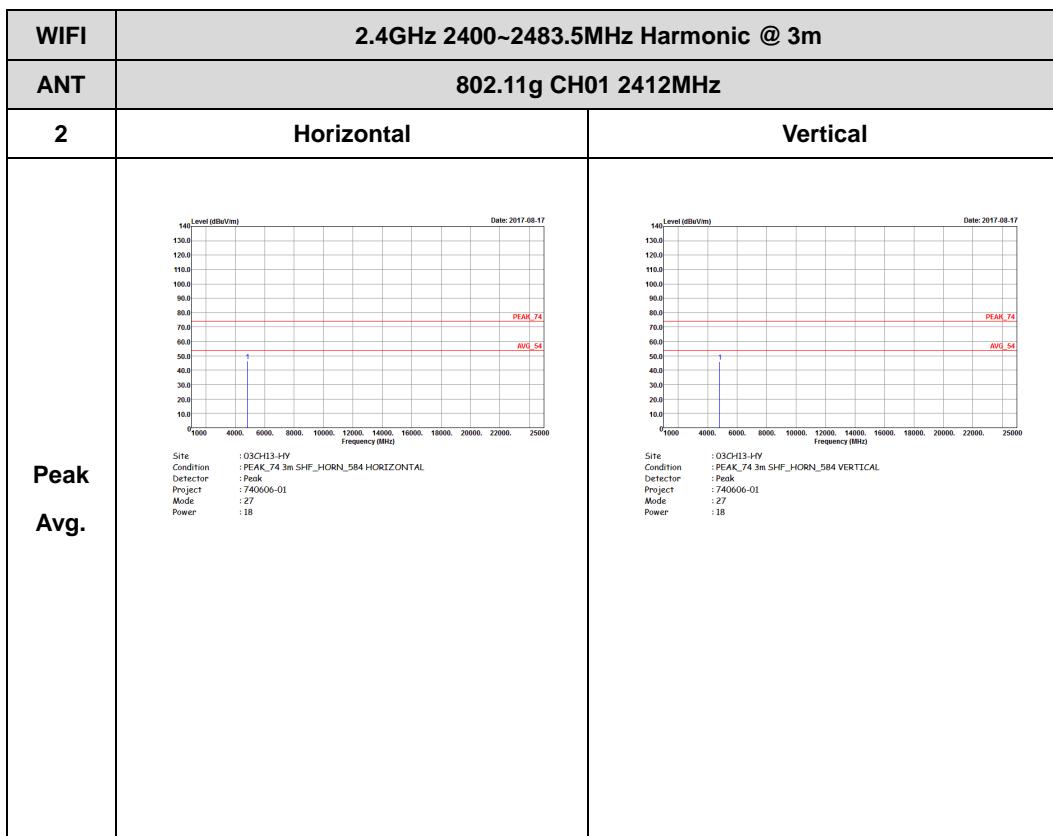


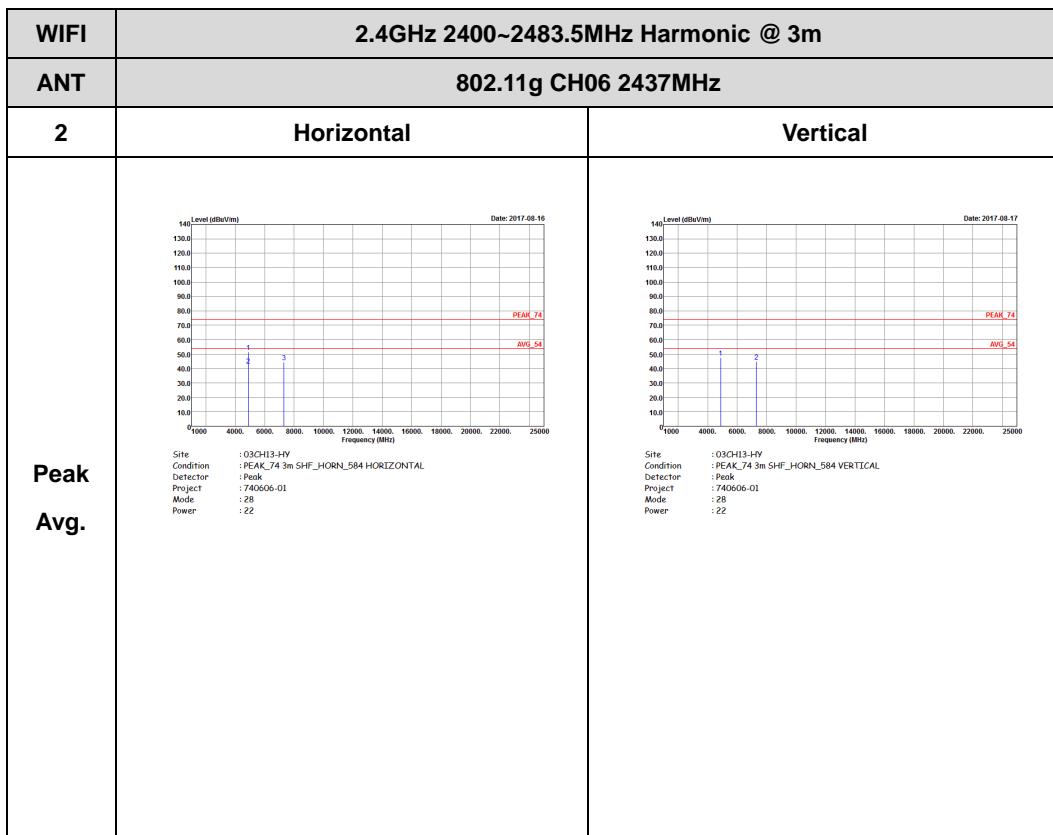


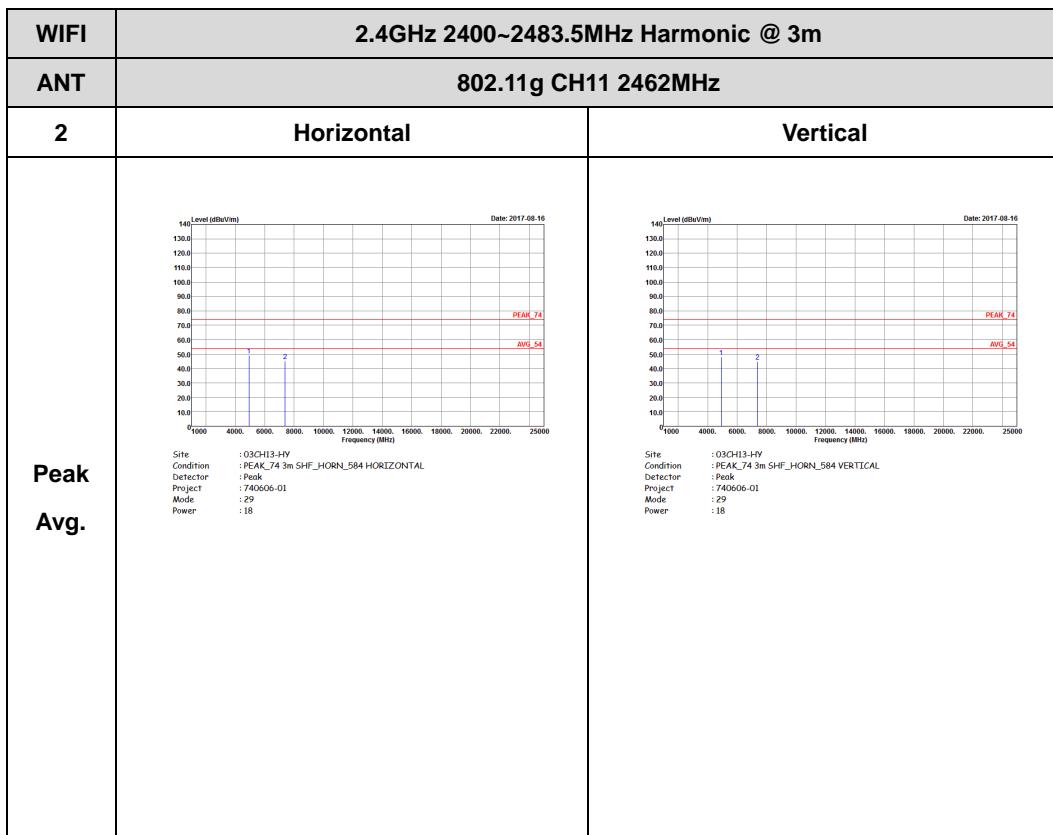


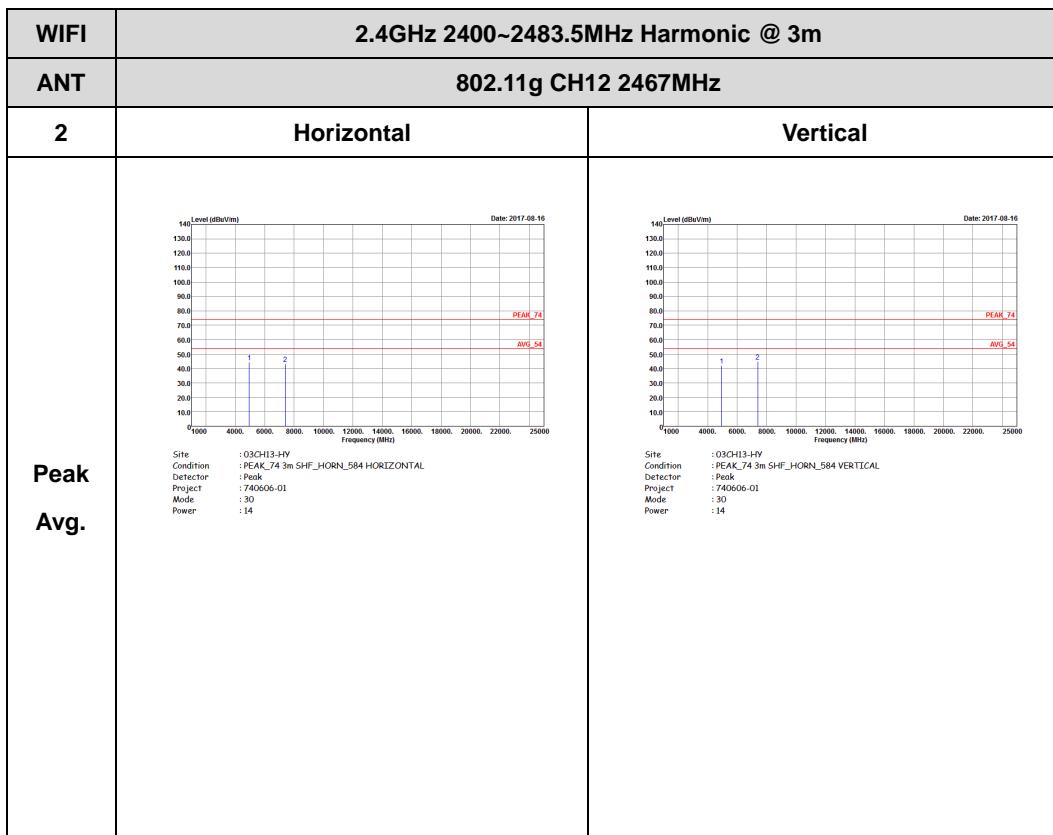
2.4GHz 2400~2483.5MHz

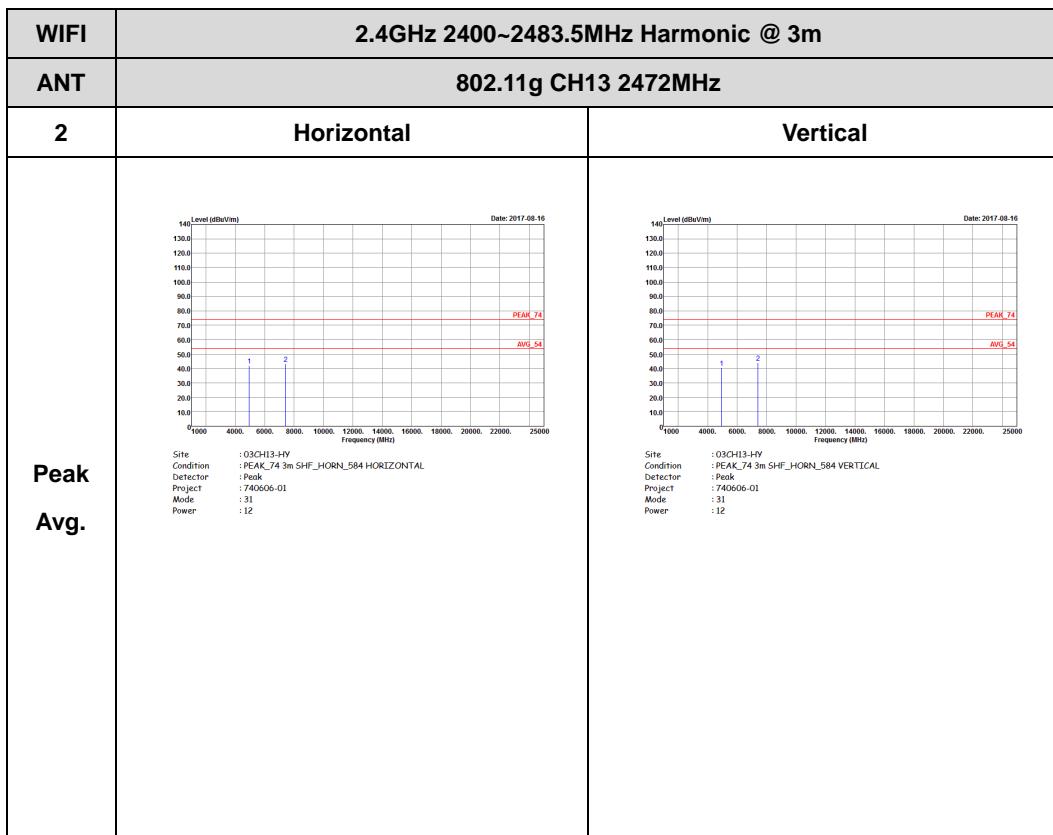
WIFI 802.11g (Harmonic @ 3m)







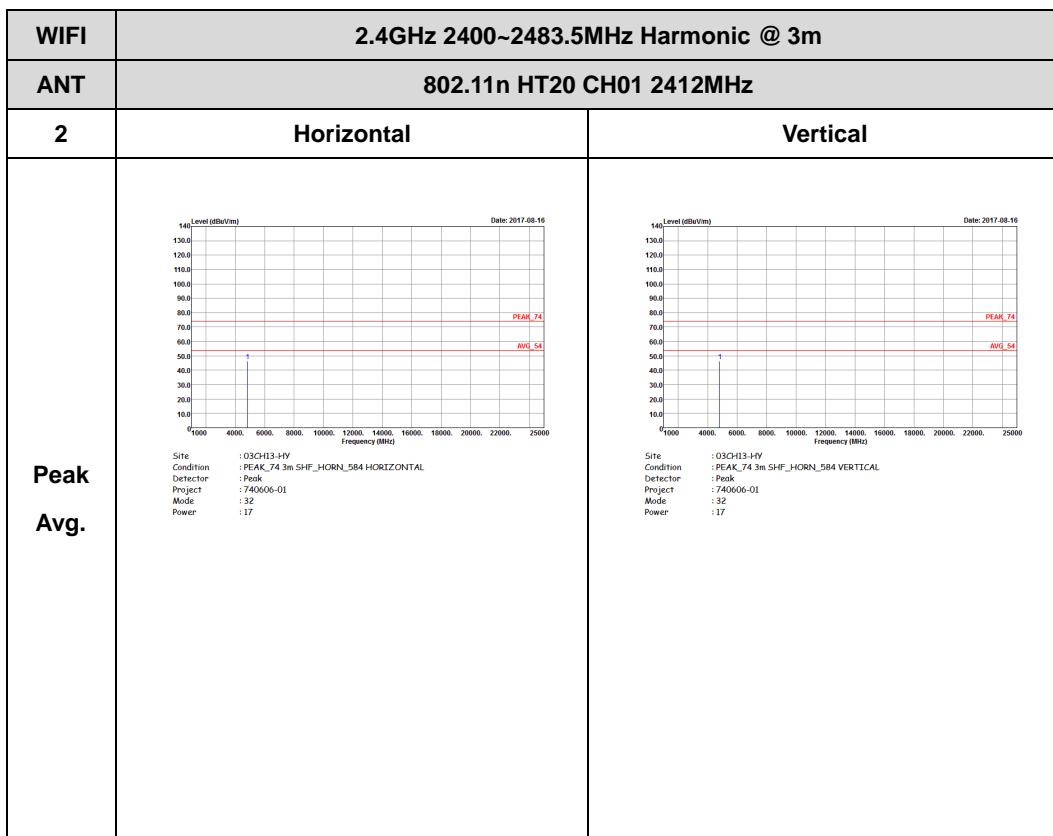


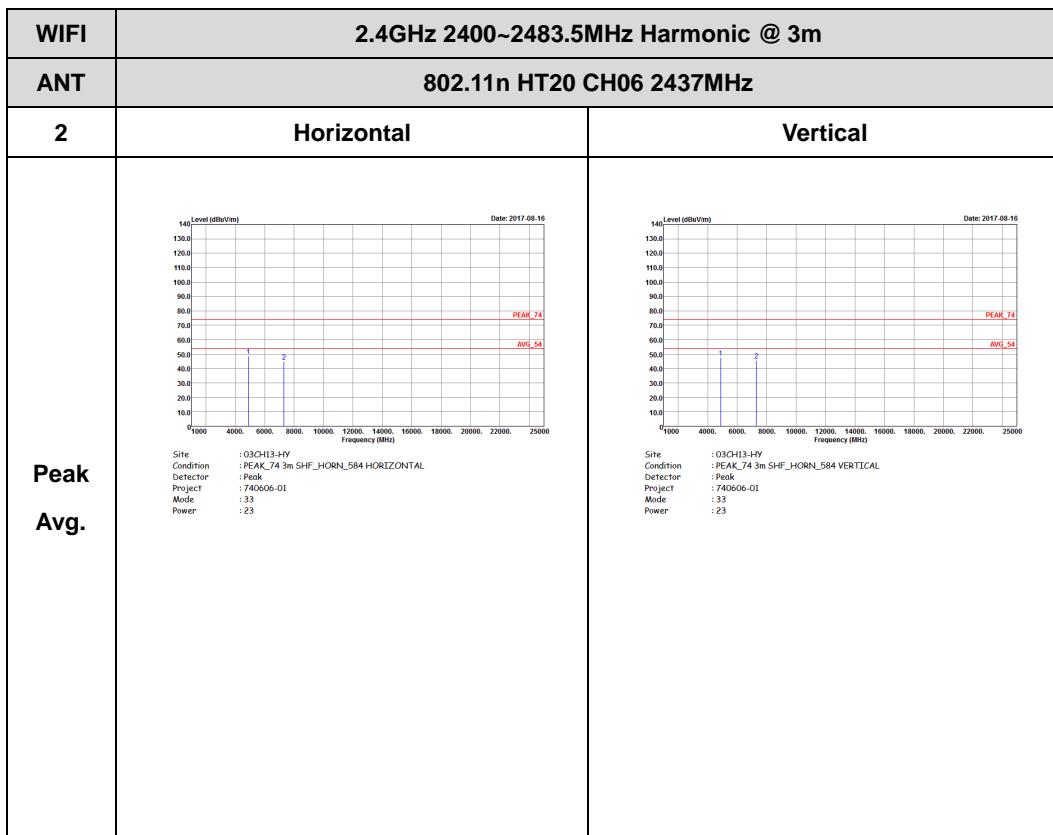


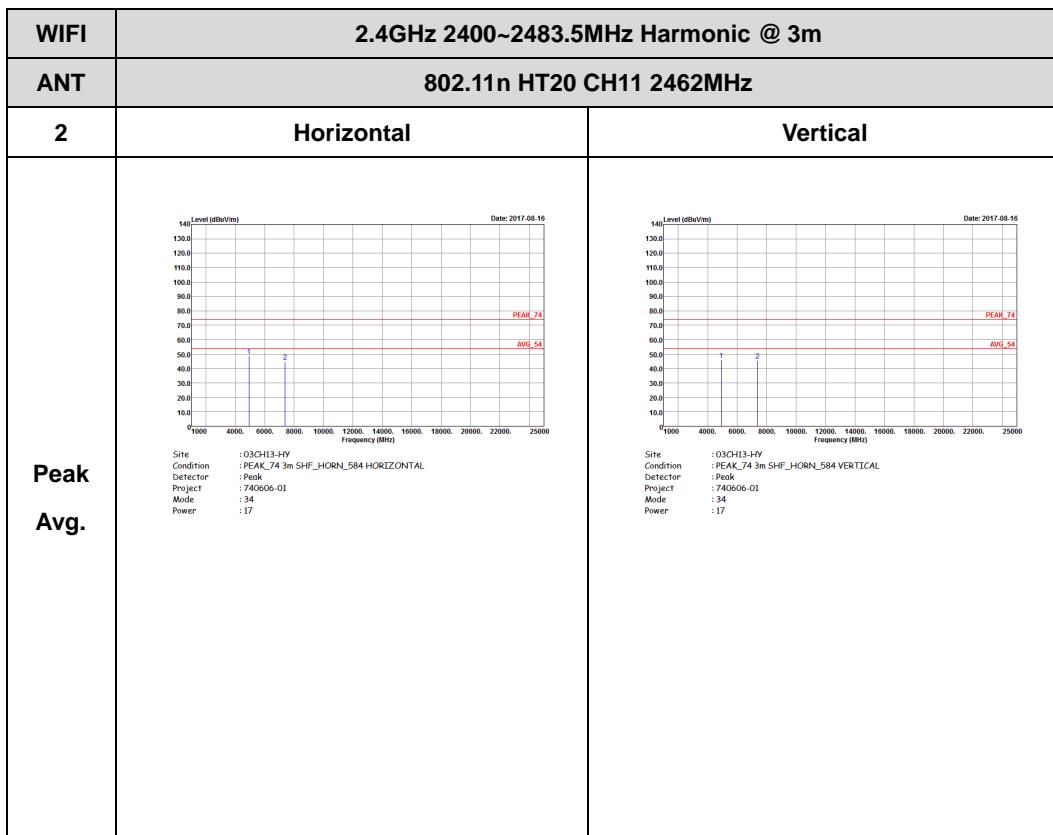


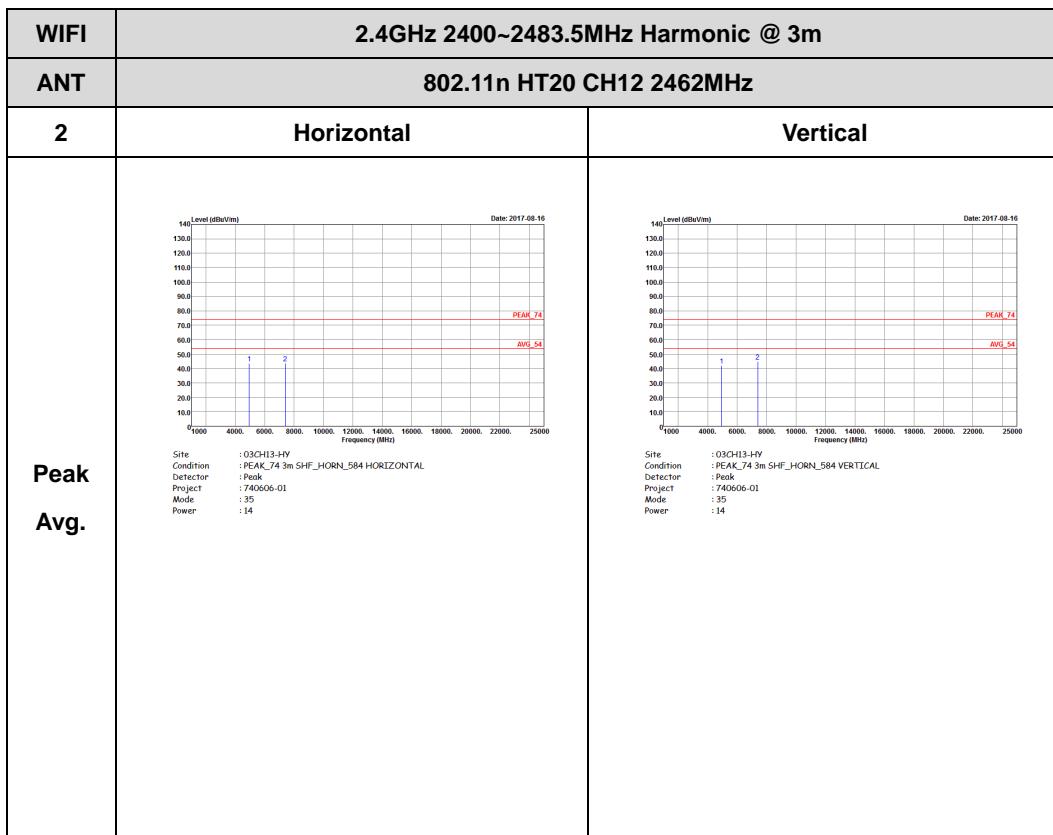
2.4GHz 2400~2483.5MHz

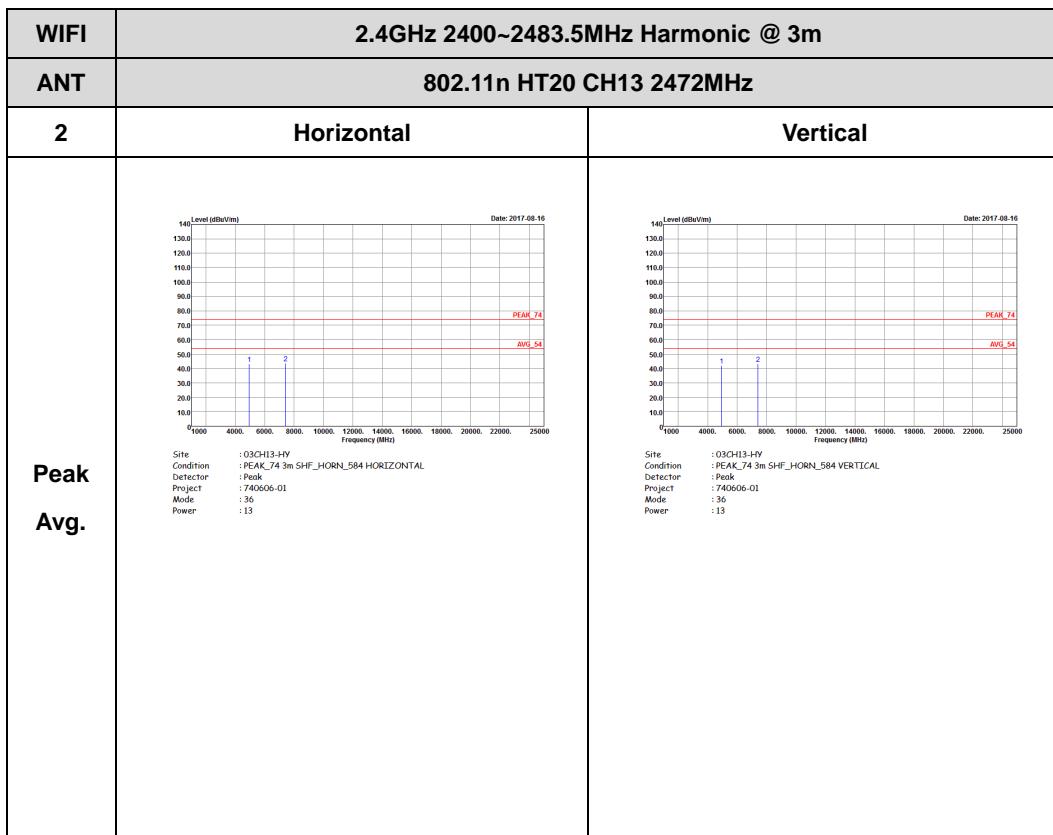
WIFI 802.11n HT20 (Harmonic @ 3m)







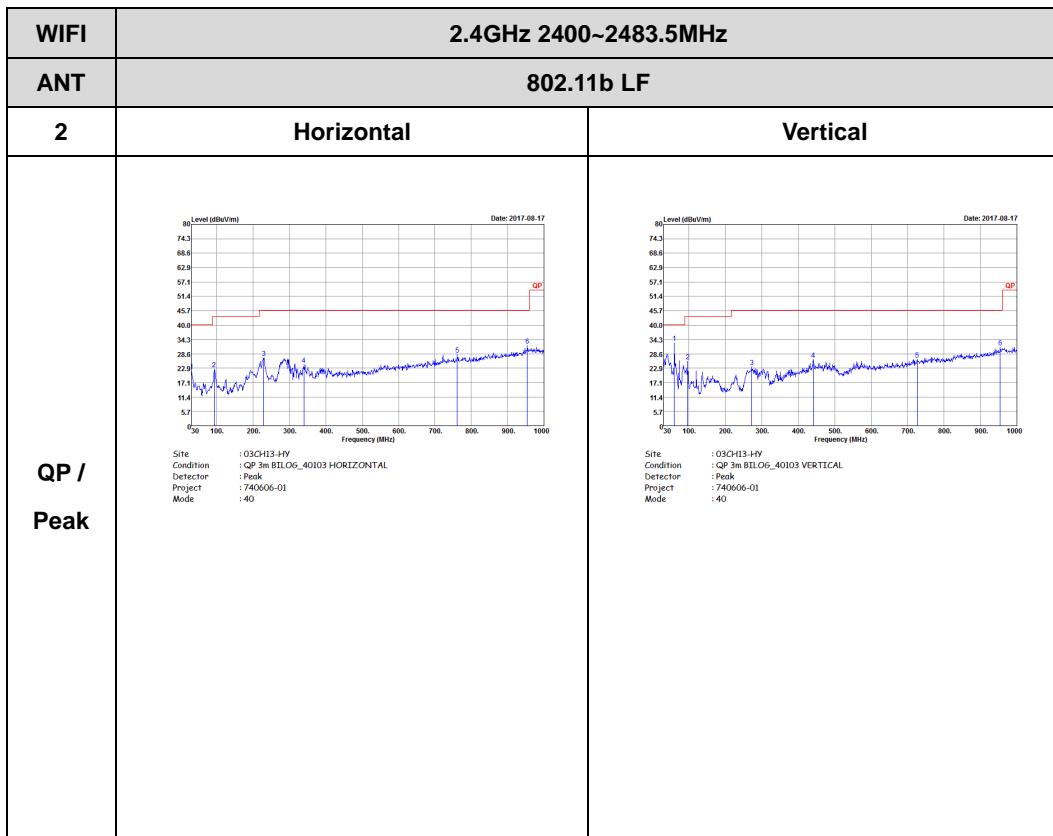






Emission below 1GHz

2.4GHz WIFI 802.11b (LF)





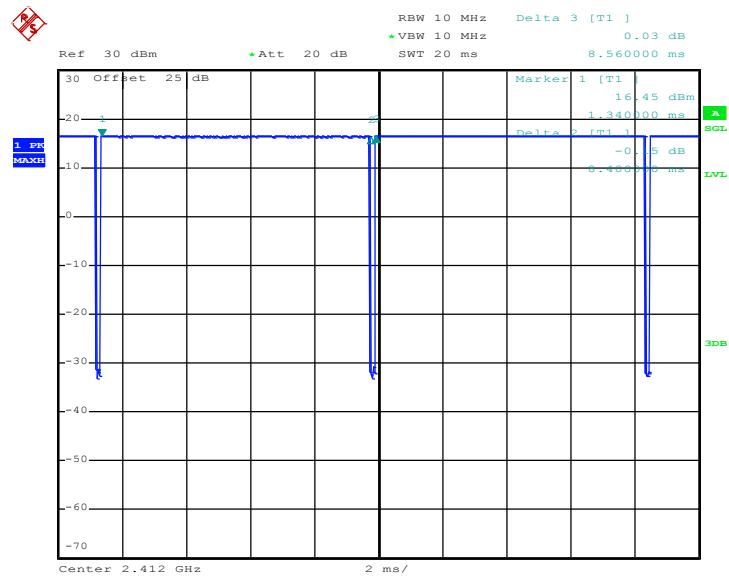
Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1	802.11b	98.13	-	-	10Hz
2	802.11b	98.13	-	-	10Hz
1	802.11g	87.34	1380.00	0.72	1kHz
2	802.11g	88.46	1380.00	0.72	1kHz
1	2.4GHz 802.11n HT20	87.84	1300.00	0.77	1kHz
2	2.4GHz 802.11n HT20	87.84	1300.00	0.77	1kHz



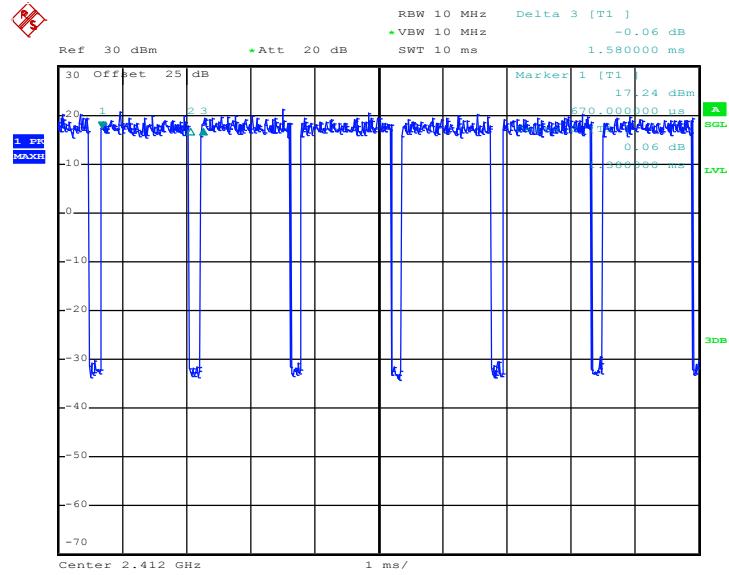
<Ant. 1>

802.11b



Date: 26.JUL.2017 00:50:01

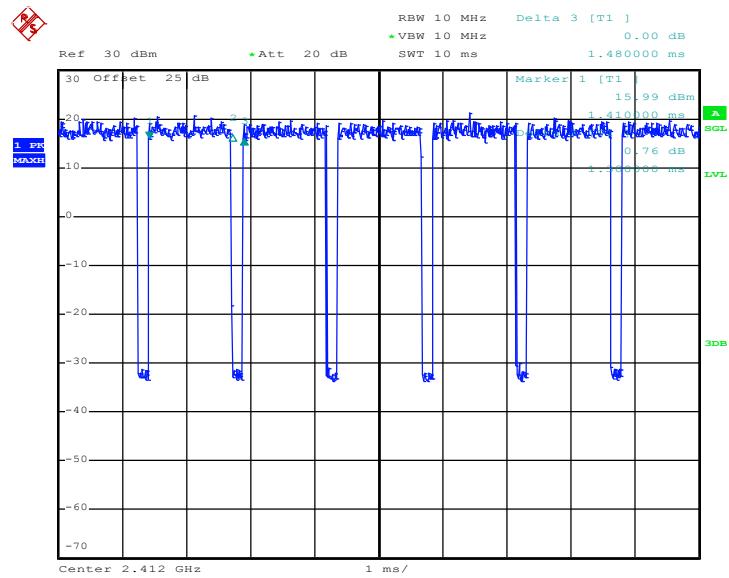
802.11g



Date: 26.JUL.2017 00:50:55



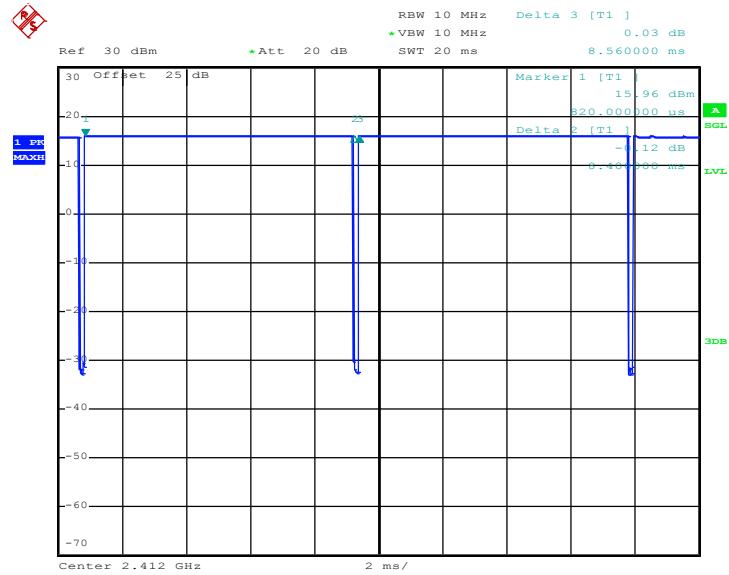
802.11n HT20



Date: 26.JUL.2017 00:51:39

<Ant. 2>

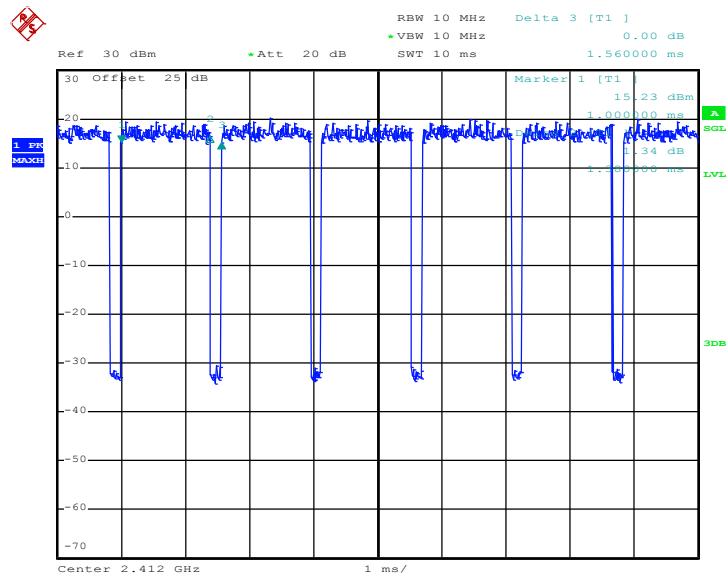
802.11b



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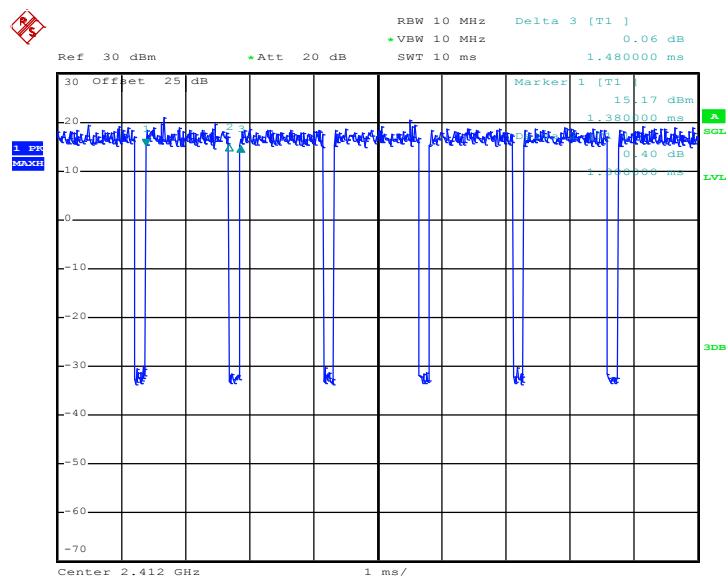


802.11g



Date: 26.JUL.2017 00:55:59

802.11n HT20



Date: 26.JUL.2017 00:56:44