



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+2+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11b LF		127.74	37.13	-6.37	43.5	50.15	17.66	1.19	31.87	285	90	Q	H
		165.54	39.76	-3.74	43.5	53.99	16.26	1.35	31.84	148	298	Q	H
		218.19	44.06	-1.94	46	58.26	16.02	1.58	31.8	100	268	Q	H
		330.8	41.13	-4.87	46	50.53	20.42	1.93	31.75	135	10	P	H
		516.3	30.15	-15.85	46	35.38	24.09	2.55	31.87			P	H
		869.8	30.43	-15.57	46	30.09	28.54	3.45	31.65			P	H
													H
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													H
													H
		41	36.46	-3.54	40	48.13	19.64	0.62	31.93	100	220	Q	V
		206.04	37.94	-5.56	43.5	52.44	15.78	1.53	31.81	100	116	Q	V
		217.65	38.07	-7.93	46	52.26	16.03	1.58	31.8	100	109	Q	V
		370	37.71	-8.29	46	45.89	21.49	2.09	31.76			P	V
		729.1	28.61	-17.39	46	30.68	26.86	3.07	32			P	V
		911.1	41.59	-4.41	46	40.44	29.16	3.44	31.45	150	0	P	V
													V
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Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Emission below 1GHz

2.4GHz WIFI 802.11g (LF)

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+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11g LF		127.74	38.15	-5.35	43.5	51.17	17.66	1.19	31.87	285	92	Q	H
		165.54	39.52	-3.98	43.5	53.75	16.26	1.35	31.84	150	395	Q	H
		218.19	42.73	-3.27	46	56.93	16.02	1.58	31.8	100	269	Q	H
		323.1	35.05	-10.95	46	44.71	20.19	1.9	31.75			P	H
		456.1	29.24	-16.76	46	35.65	23.03	2.38	31.82			P	H
		911.1	41.7	-4.3	46	40.55	29.16	3.44	31.45	135	20	P	H
													H
													H
													H
													H
													H
													H
		40	34.96	-5.04	40	46.08	20.2	0.61	31.93	100	222	Q	V
		206.04	37.19	-6.31	43.5	51.69	15.78	1.53	31.81	100	120	Q	V
		217.65	38.94	-7.06	46	53.13	16.03	1.58	31.8	100	111	Q	V
		374.9	28.87	-17.13	46	36.9	21.61	2.12	31.76			P	V
		663.3	26.79	-19.21	46	30.05	25.81	2.93	32			P	V
		913.2	31.36	-14.64	46	30.12	29.23	3.44	31.43	100	0	P	V
													V
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Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Emission below 1GHz

2.4GHz WIFI 802.11n HT20 (LF)

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+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11n HT20 LF		127.74	37.53	-5.97	43.5	50.55	17.66	1.19	31.87	286	93	Q	H
		218.46	43.63	-2.37	46	57.83	16.02	1.58	31.8	100	272	Q	H
		285.15	41.17	-4.83	46	51.89	19.25	1.79	31.76	100	63	Q	H
		328	39.96	-6.04	46	49.45	20.34	1.92	31.75	120	10	P	H
		534.5	28.37	-17.63	46	33.44	24.21	2.61	31.89			P	H
		914.6	32.12	-13.88	46	30.84	29.25	3.44	31.41			P	H
													H
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													H
													H
													H
													H
		40	34.89	-5.11	40	46.01	20.2	0.61	31.93	386	265	Q	V
		205.23	35.73	-7.77	43.5	50.23	15.78	1.53	31.81	100	120	Q	V
		227.1	39.71	-6.29	46	53.25	16.63	1.62	31.79	100	277	Q	V
		377	37.55	-8.45	46	45.52	21.66	2.13	31.76	125	15	P	V
		658.4	27.38	-18.62	46	30.69	25.77	2.92	32			P	V
		902	31.63	-14.37	46	30.76	28.95	3.44	31.52			P	V
													V
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												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Emission below 1GHz

2.4GHz WIFI 802.11n HT40 (LF)

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+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11n HT40 LF		127.47	38.37	-5.13	43.5	51.41	17.64	1.19	31.87	285	90	Q	H
		223.05	43.87	-2.13	46	57.8	16.27	1.6	31.8	100	275	Q	H
		290.82	42.08	-3.92	46	52.63	19.41	1.8	31.76	100	59	Q	H
		320.3	35.78	-10.22	46	45.53	20.11	1.89	31.75	115	0	P	H
		509.3	29.87	-16.13	46	35.17	24.05	2.52	31.87			P	H
		820.1	29.56	-16.44	46	30.05	28.01	3.34	31.84			P	H
													H
													H
													H
													H
													H
													H
		40.03	36.57	-3.43	40	47.69	20.2	0.61	31.93	100	221	Q	V
		206.04	38.08	-5.42	43.5	52.58	15.78	1.53	31.81	100	121	Q	V
		217.65	38.25	-7.75	46	52.44	16.03	1.58	31.8	100	110	Q	V
		375	37.55	-8.45	46	45.58	21.61	2.12	31.76	120	30	P	V
		658.4	27.38	-18.62	46	30.69	25.77	2.92	32			P	V
		902	31.63	-14.37	46	30.76	28.95	3.44	31.52			P	V
													V
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												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+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(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(dBμV/m) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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



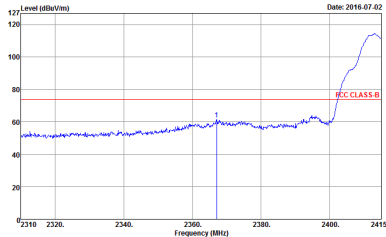
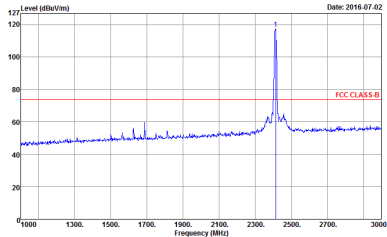
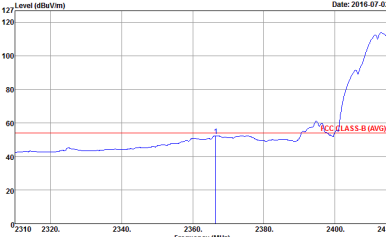
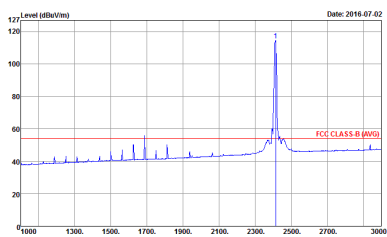
Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Elvis Chen, Bill Chang, and Kyle Chuang	Temperature :	22~24°C
		Relative Humidity :	43~44%

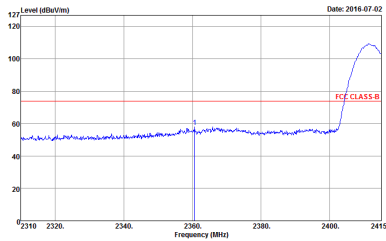
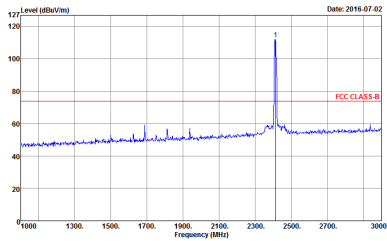
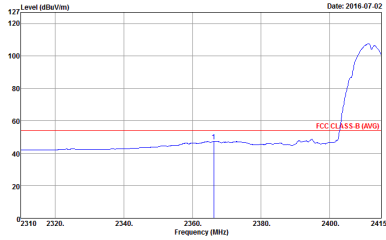
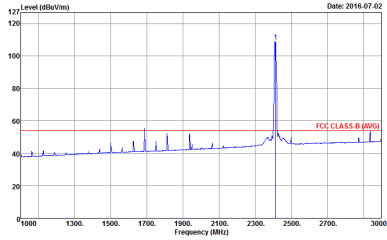
Note symbol

-L	Low channel location
-R	High channel location

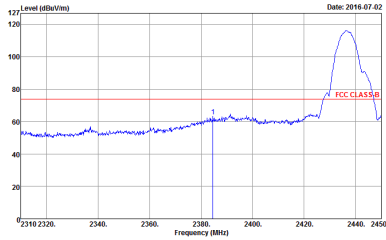
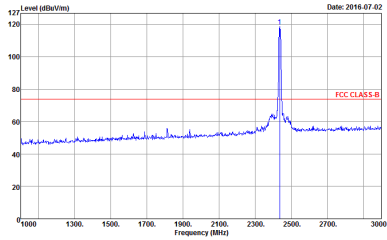
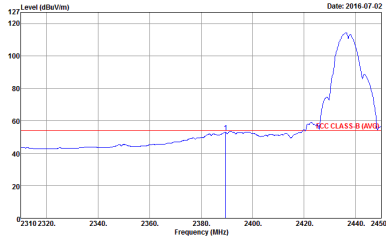
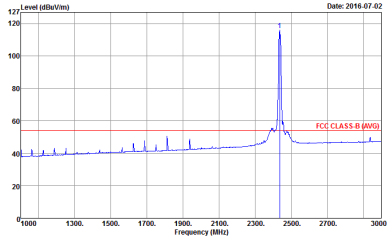
2.4GHz 2400~2483.5MHz
WIFI 802.11b (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1+2+3	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 9	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 9
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 9	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 9

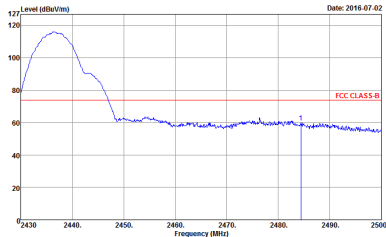
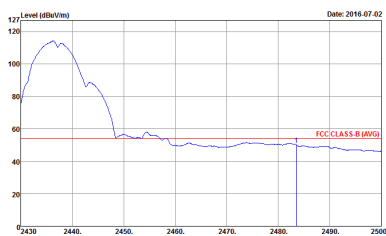


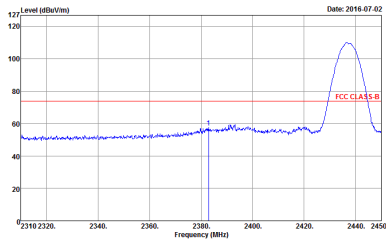
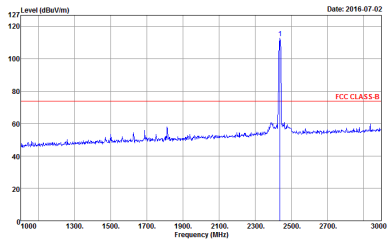
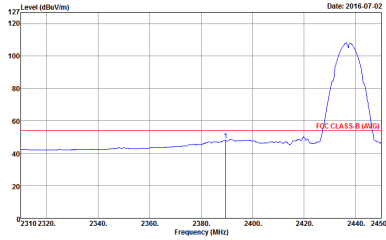
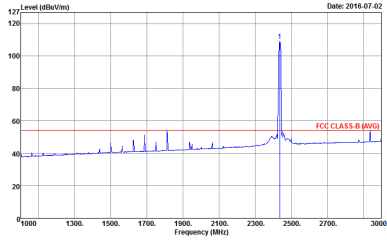
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1+2+3	Vertical	Fundamental
Peak	 Level (dBuV/m) vs Frequency (MHz) plot for Vertical Peak. The plot shows a sharp peak at 2412 MHz reaching approximately 110 dBuV/m. A red line indicates the FCC CLASS B limit at 75 dBuV/m. The x-axis ranges from 2310 to 2415 MHz, and the y-axis ranges from 0 to 120 dBuV/m. Date: 2016-07-02 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 9	 Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Peak. The plot shows a sharp peak at 2412 MHz reaching approximately 110 dBuV/m. A red line indicates the FCC CLASS B limit at 75 dBuV/m. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 0 to 120 dBuV/m. Date: 2016-07-02 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 9
Avg.	 Level (dBuV/m) vs Frequency (MHz) plot for Vertical Average. The plot shows a broad peak at 2412 MHz reaching approximately 110 dBuV/m. A red line indicates the FCC CLASS B (AVG) limit at 75 dBuV/m. The x-axis ranges from 2310 to 2415 MHz, and the y-axis ranges from 0 to 120 dBuV/m. Date: 2016-07-02 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 9	 Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Average. The plot shows a broad peak at 2412 MHz reaching approximately 110 dBuV/m. A red line indicates the FCC CLASS B (AVG) limit at 75 dBuV/m. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 0 to 120 dBuV/m. Date: 2016-07-02 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 9



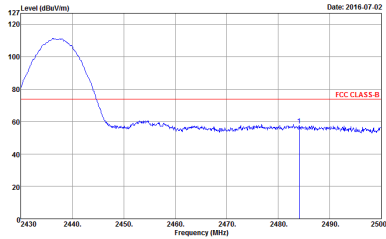
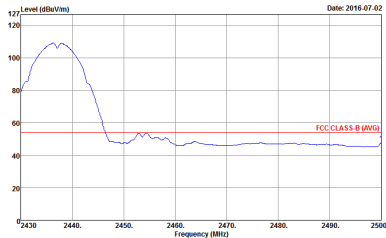
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1+2+3	Horizontal	Fundamental
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-02 FCC CLASS B Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : IO	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-02 FCC CLASS B Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : IO
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-02 FCC CLASS B (AVG) Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : IO	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-02 FCC CLASS B (AVG) Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : IO



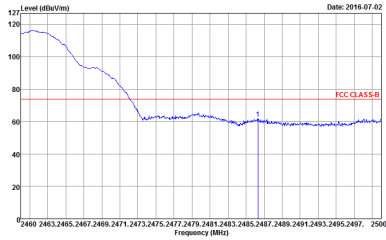
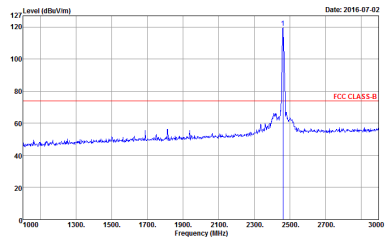
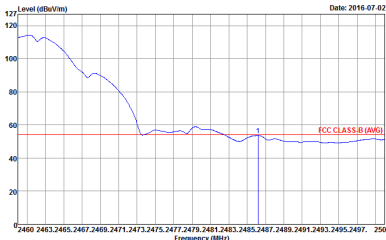
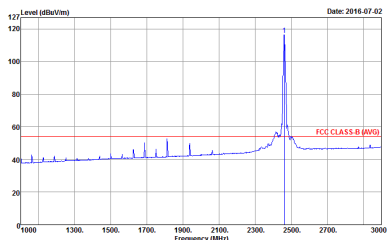
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1+2+3	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : IO	Left blank
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : IO	Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1+2+3	Vertical	Fundamental
Peak	 Date: 2016-07-02 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 10	 Date: 2016-07-02 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 10
Avg.	 Date: 2016-07-02 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 10	 Date: 2016-07-02 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 10

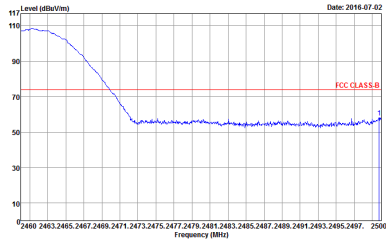
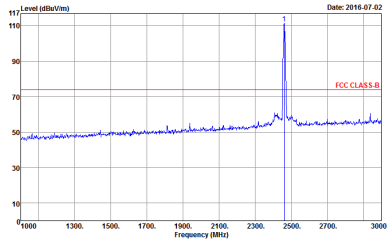
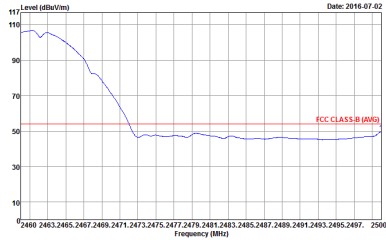
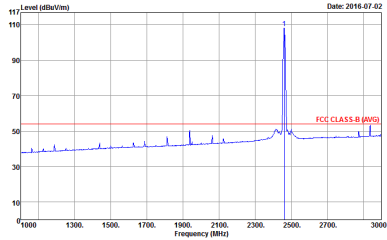


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1+2+3	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : IO	Left blank
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : IO	Left blank

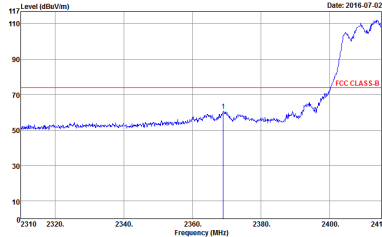
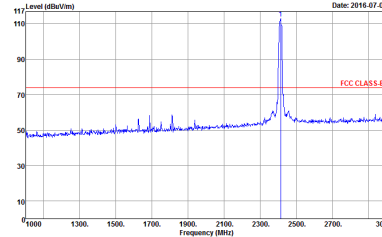
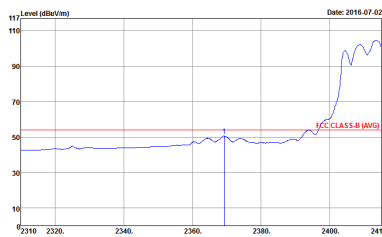
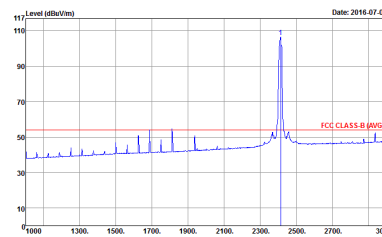


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1+2+3	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 11	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 11
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 11	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 11

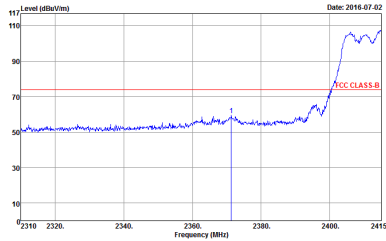
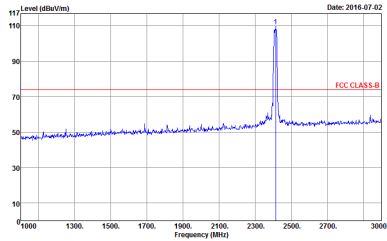
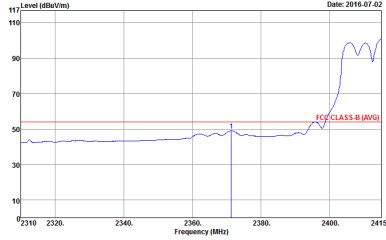
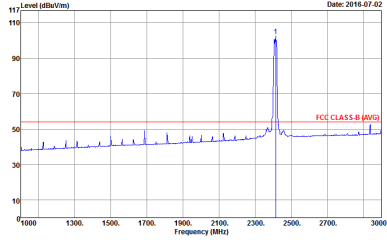


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1+2+3	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : II	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : II
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : II	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : II

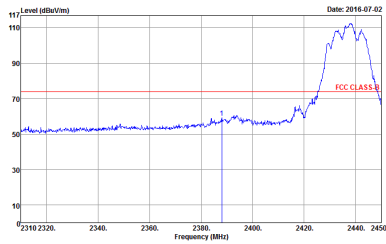
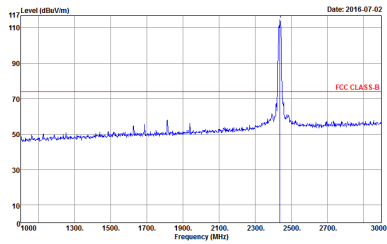
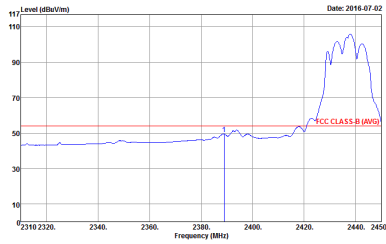
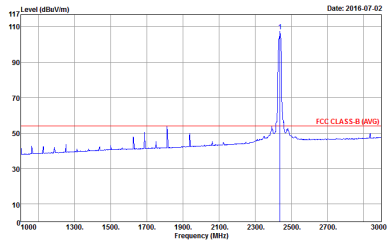
2.4GHz 2400~2483.5MHz
WIFI 802.11g (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1+2+3	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 12	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 12
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 12	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 12

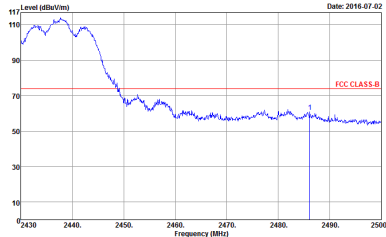
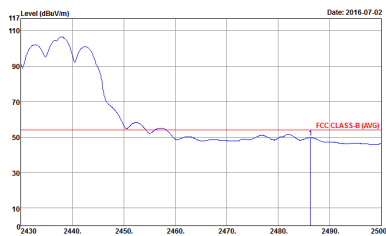


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1+2+3	Vertical	Fundamental
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-02 FCC CLASS B Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 630314-01 Mode : 12	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-02 FCC CLASS B Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 630314-01 Mode : 12
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-02 FCC CLASS B (AVG) Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:01010KHz SWT:Auto Detector : Peak Project : 630314-01 Mode : 12	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-02 FCC CLASS B (AVG) Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:01010KHz SWT:Auto Detector : Peak Project : 630314-01 Mode : 12

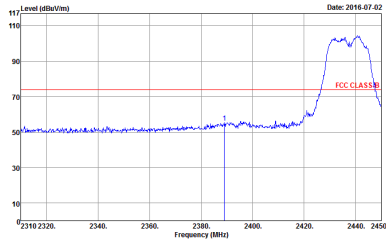
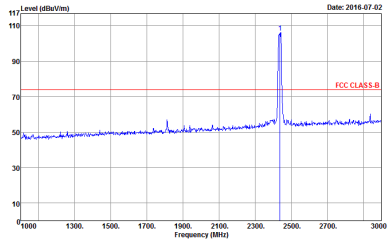
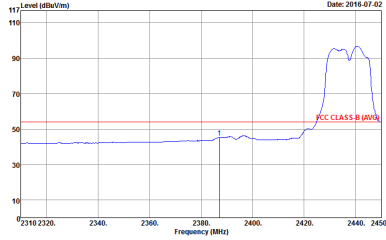
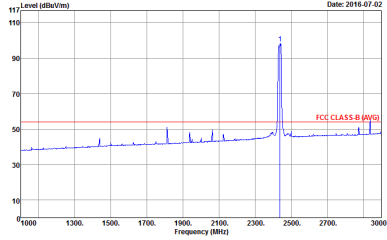


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1+2+3	Horizontal	Fundamental
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-02 FCC CLASS B Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 13	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-02 FCC CLASS B Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 13
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-02 FCC CLASS-B (AVG) Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 13	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-02 FCC CLASS-B (AVG) Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 13

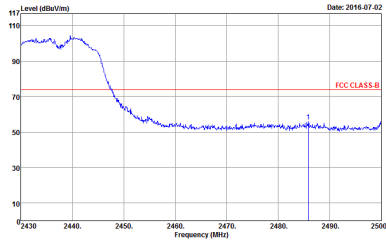
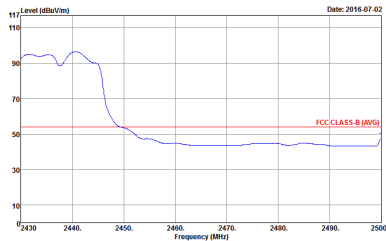


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1+2+3	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 13	Left blank
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 13	Left blank

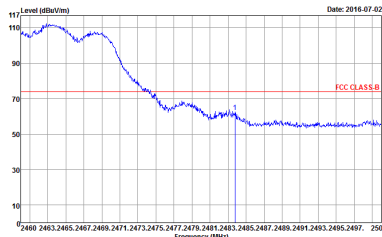
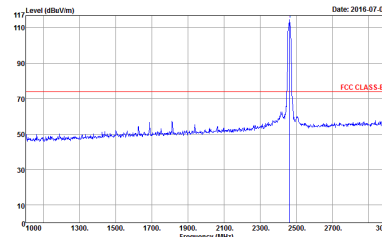
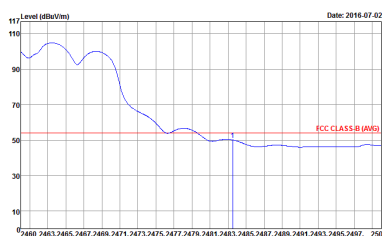
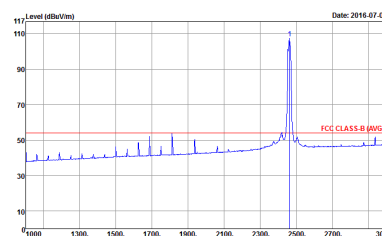


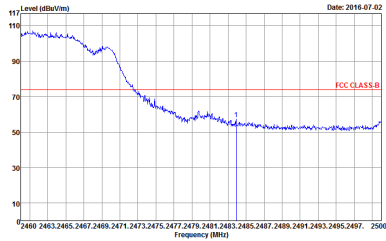
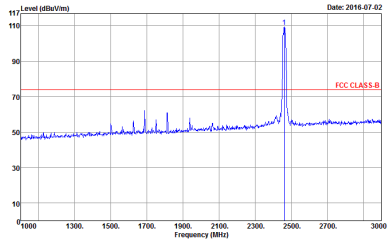
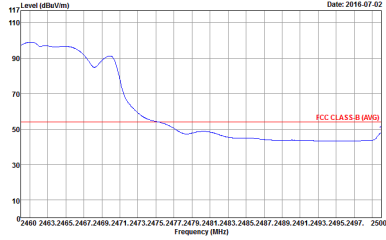
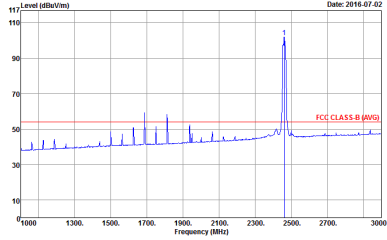
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1+2+3	Vertical	Fundamental
Peak	 Level (dBuV/m) vs Frequency (MHz) plot for Vertical Peak. The plot shows a signal rising from approximately 50 dBuV/m at 2400 MHz to a peak of about 105 dBuV/m at 2437 MHz, then falling back to 50 dBuV/m by 2483.5 MHz. A red horizontal line at 70 dBuV/m is labeled 'FCC CLASS B'. The x-axis ranges from 2310 to 2450 MHz, and the y-axis ranges from 10 to 117 dBuV/m. Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 13	 Level (dBuV/m) vs Frequency (MHz) plot for Vertical Fundamental. The plot shows a sharp peak at 2437 MHz reaching approximately 105 dBuV/m. The baseline is around 50 dBuV/m. A red horizontal line at 70 dBuV/m is labeled 'FCC CLASS B'. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 10 to 117 dBuV/m. Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 13
Avg.	 Level (dBuV/m) vs Frequency (MHz) plot for Vertical Average. The plot shows a broad signal peak centered at 2437 MHz, reaching a maximum level of about 100 dBuV/m. A red horizontal line at 70 dBuV/m is labeled 'FCC CLASS B (AVG)'. The x-axis ranges from 2310 to 2450 MHz, and the y-axis ranges from 10 to 117 dBuV/m. Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 13	 Level (dBuV/m) vs Frequency (MHz) plot for Vertical Average Fundamental. The plot shows a sharp peak at 2437 MHz reaching approximately 100 dBuV/m. A red horizontal line at 70 dBuV/m is labeled 'FCC CLASS B (AVG)'. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 10 to 117 dBuV/m. Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 13



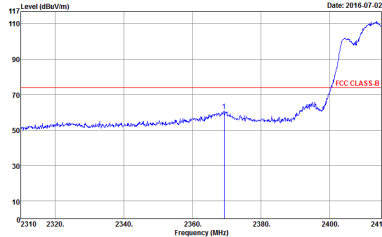
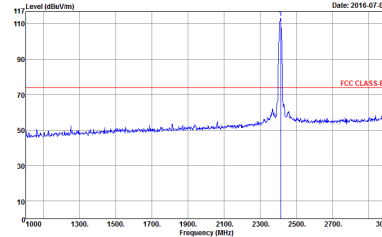
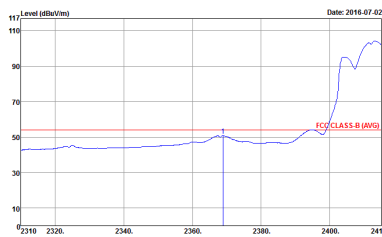
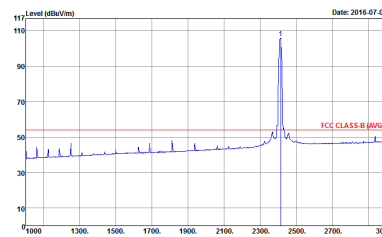
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1+2+3	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 13	Left Blank
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 13	Left Blank

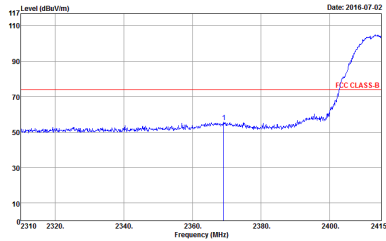
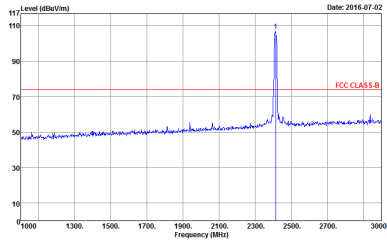
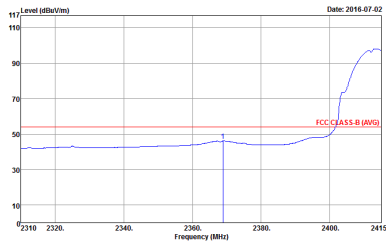
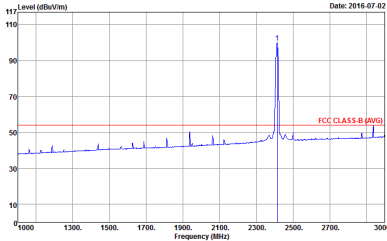


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1+2+3	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 14	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 14
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 14	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 14

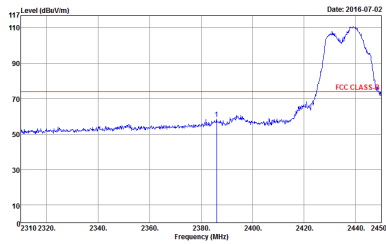
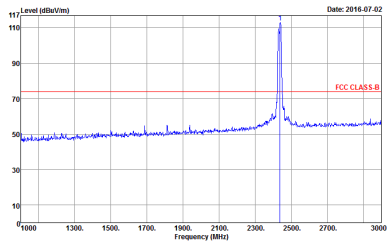
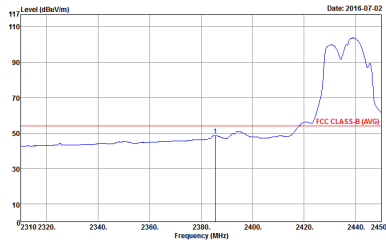
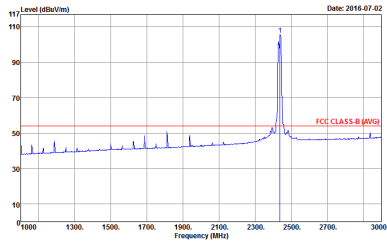
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1+2+3	Vertical	Fundamental
Peak	 Date: 2016-07-02 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 14	 Date: 2016-07-02 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 14
Avg.	 Date: 2016-07-02 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 14	 Date: 2016-07-02 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 14

2.4GHz 2400~2483.5MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

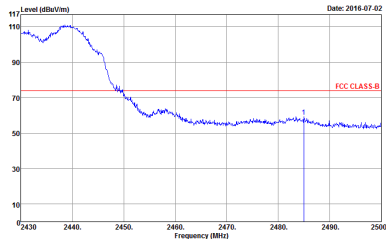
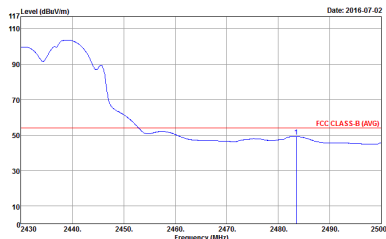
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1+2+3	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 15	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 15
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 15	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 15

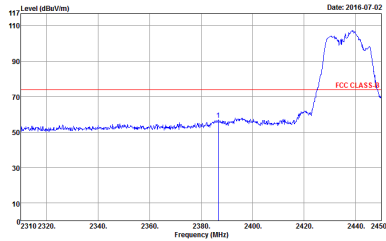
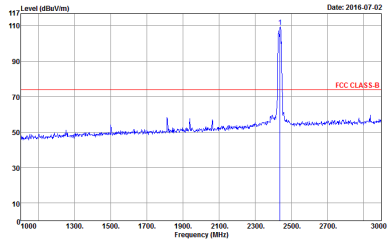
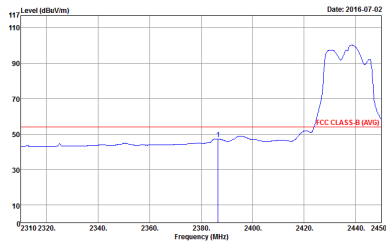
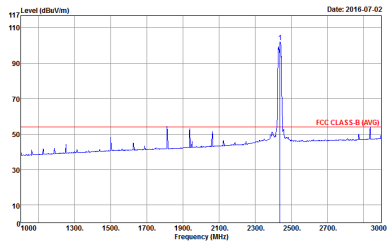
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1+2+3	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 15	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 15
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 15	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 15



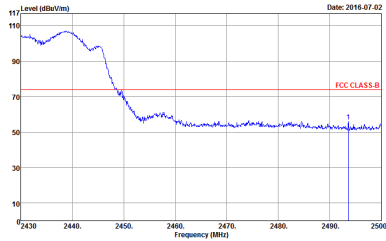
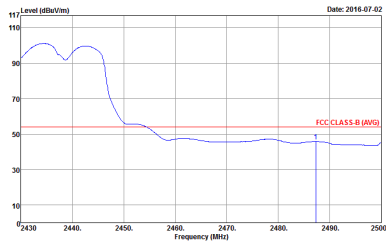
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1+2+3	Horizontal	Fundamental
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-02 FCC CLASS B Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 16	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-02 FCC CLASS B Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 16
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-02 FCC CLASS-B (AVG) Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 16	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-02 FCC CLASS-B (AVG) Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 16



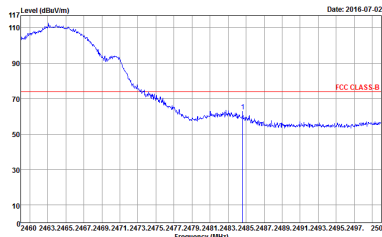
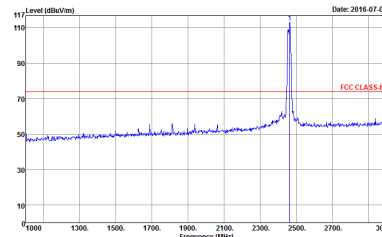
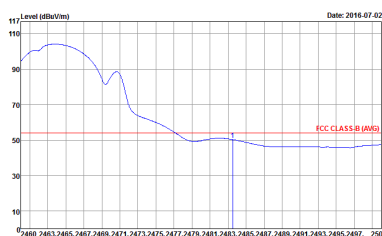
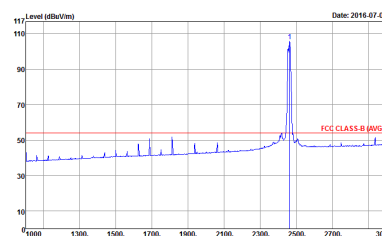
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1+2+3	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 16	Left blank
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 16	Left blank

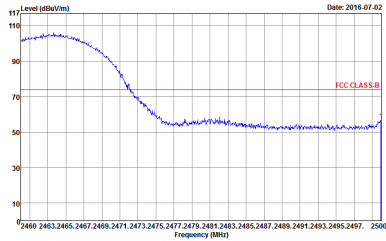
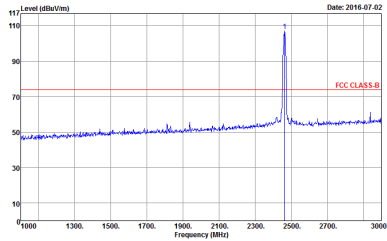
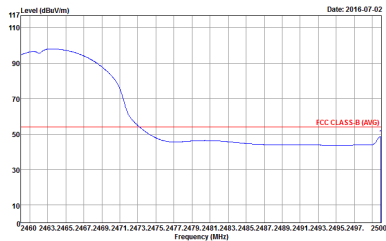
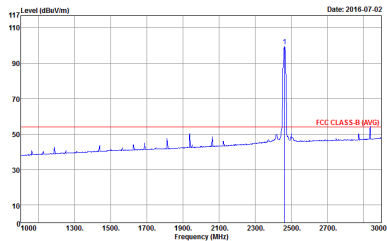
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1+2+3	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 16	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 16
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 16	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 16



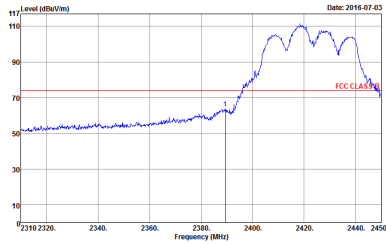
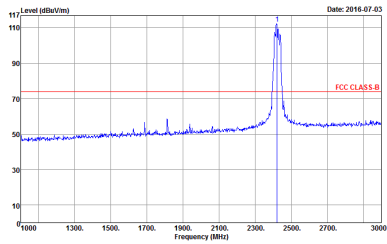
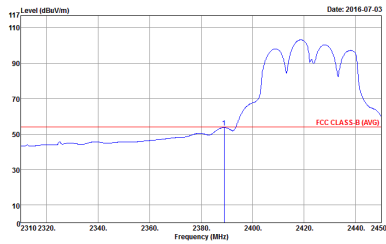
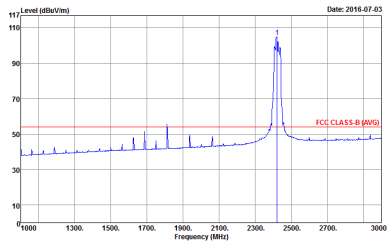
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1+2+3	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 16	Left Blank
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 16	Left Blank



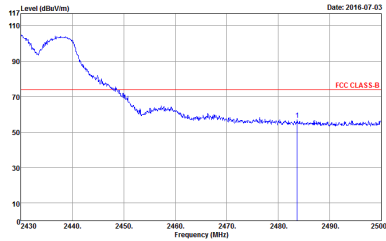
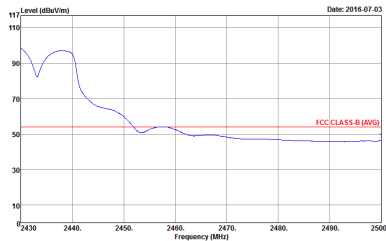
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1+2+3	Horizontal	Fundamental
Peak	 Level (dBuV/m) vs Frequency (MHz) plot for Horizontal Peak. The plot shows a blue line representing the signal level across the frequency range from 2460 to 2500 MHz. A red horizontal line indicates the FCC CLASS-B limit at approximately 70 dBuV/m. The signal level starts around 100 dBuV/m at 2460 MHz, drops to about 70 dBuV/m by 2470 MHz, and then remains relatively flat with some noise around 60-70 dBuV/m up to 2500 MHz. Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 17	 Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Peak. The plot shows a blue line representing the signal level across the frequency range from 1000 to 3000 MHz. A red horizontal line indicates the FCC CLASS-B limit at approximately 70 dBuV/m. The signal level is low (around 50 dBuV/m) from 1000 to 2400 MHz, then rises sharply to a peak of about 110 dBuV/m at 2462 MHz, and then drops back to around 50 dBuV/m by 2500 MHz. Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 17
Avg.	 Level (dBuV/m) vs Frequency (MHz) plot for Horizontal Average. The plot shows a blue line representing the average signal level across the frequency range from 2460 to 2500 MHz. A red horizontal line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The signal level starts around 100 dBuV/m at 2460 MHz, drops to about 70 dBuV/m by 2470 MHz, and then remains relatively flat with some noise around 60-70 dBuV/m up to 2500 MHz. Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 17	 Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Average. The plot shows a blue line representing the average signal level across the frequency range from 1000 to 3000 MHz. A red horizontal line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The signal level is low (around 50 dBuV/m) from 1000 to 2400 MHz, then rises sharply to a peak of about 110 dBuV/m at 2462 MHz, and then drops back to around 50 dBuV/m by 2500 MHz. Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 17

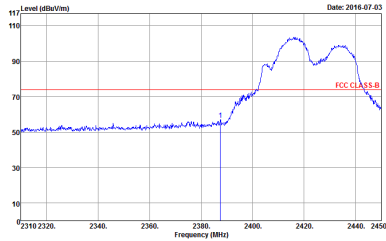
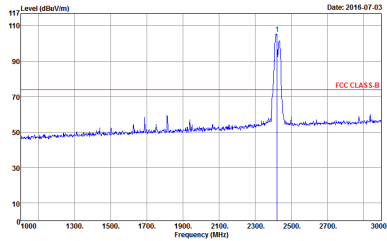
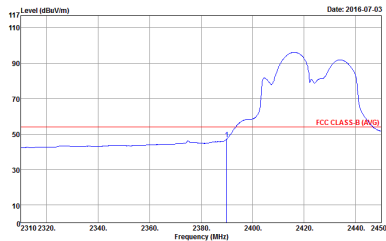
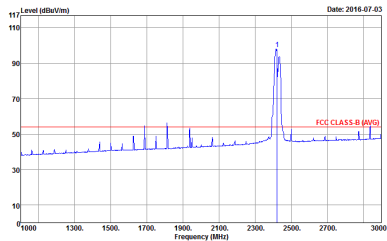
WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1+2+3	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 17	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 17
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 17	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 17

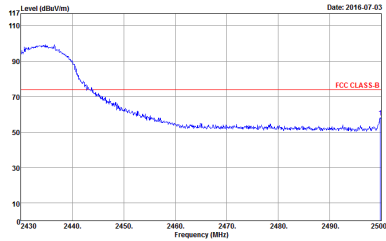
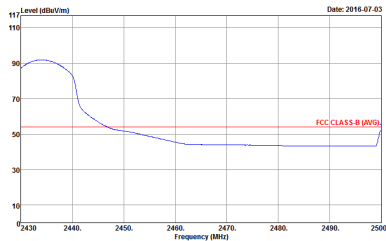
2.4GHz 2400~2483.5MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - L	
1+2+3	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 1B Power : 15.5	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 1B Power : 15.5
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 1B Power : 15.5	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 1B Power : 15.5

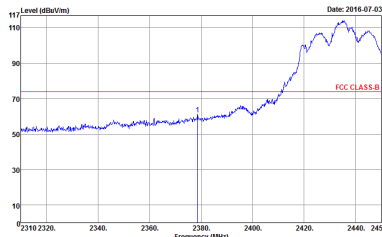
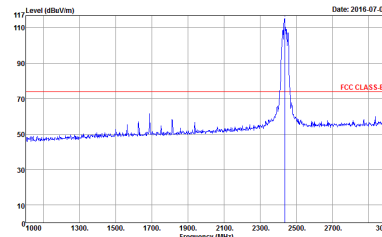
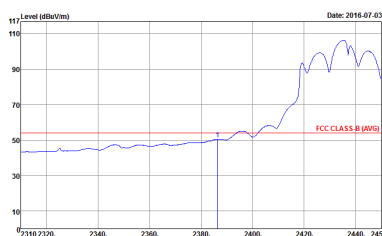
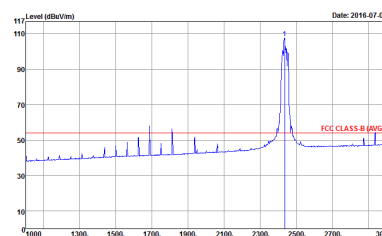


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - R	
1+2+3	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 630314-01 Mode : 18 Power : 15.5	Left Blank
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 630314-01 Mode : 18 Power : 15.5	Left Blank

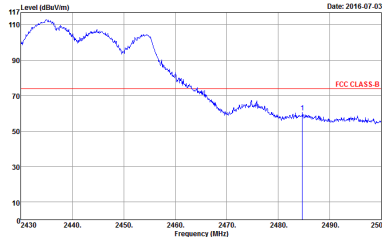
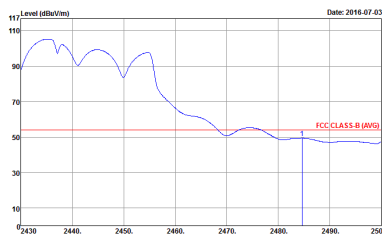
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - L	
1+2+3	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 18 Power : 15.5	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 18 Power : 15.5
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 18 Power : 15.5	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 18 Power : 15.5

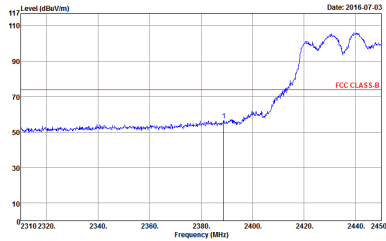
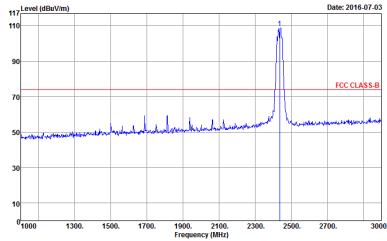
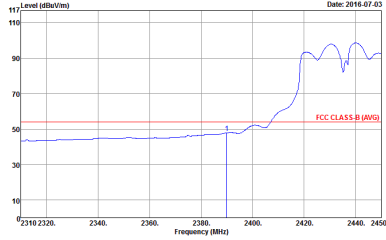
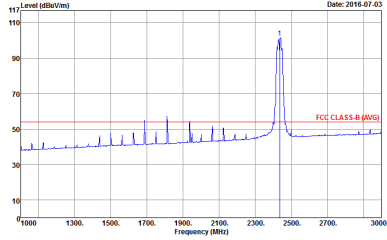
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - R	
1+2+3	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 18 Power : 15.5	Left blank
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 18 Power : 15.5	Left blank



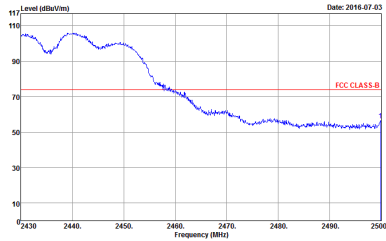
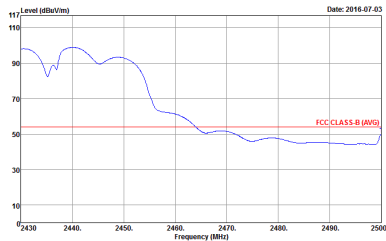
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - L	
1+2+3	Horizontal	Fundamental
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-03 FCC CLASS B Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 19	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-03 FCC CLASS B Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 19
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-03 FCC CLASS-B (AVG) Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 19	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-03 FCC CLASS-B (AVG) Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 19



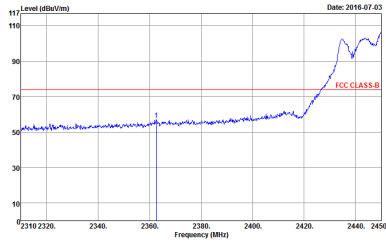
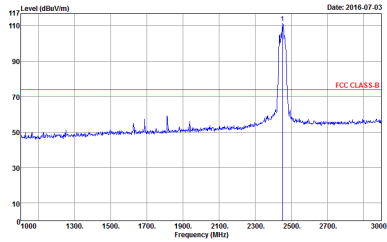
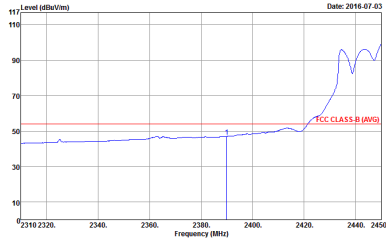
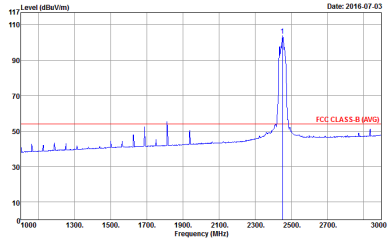
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - R	
1+2+3	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : I9	Left blank
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : I9	Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - L	
1+2+3	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 19	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 19
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 19	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 19

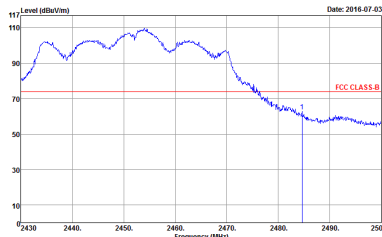
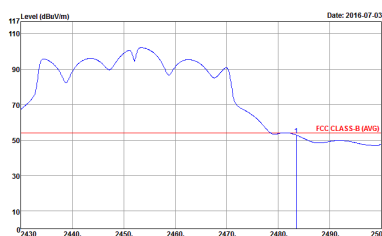


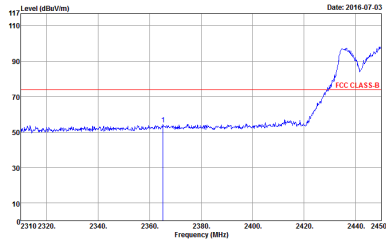
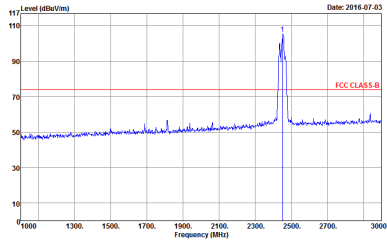
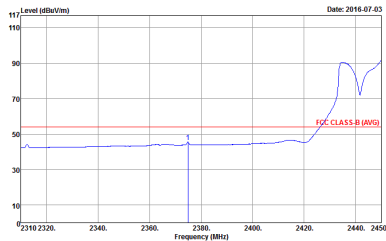
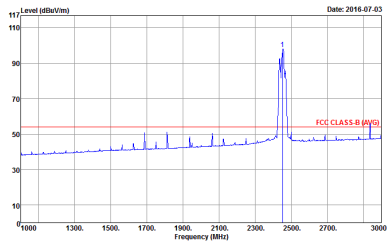
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - R	
1+2+3	Horizontal	Fundamental
Peak	 Date: 2016-07-03 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : I9	Left blank
Avg.	 Date: 2016-07-03 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : I9	Left blank



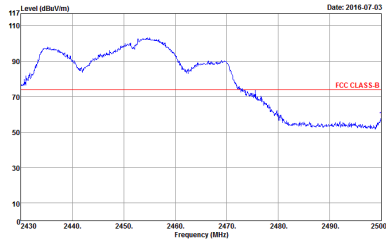
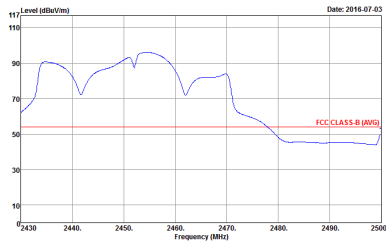
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - L	
1+2+3	Horizontal	Fundamental
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-03 FCC CLASS B Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 630314-01 Mode : 20 Power : 14.5	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-03 FCC CLASS B Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 630314-01 Mode : 20 Power : 14.5
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-03 FCC CLASS-B (AVG) Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 630314-01 Mode : 20 Power : 14.5	 Level (dBuV/m) Frequency (MHz) Date: 2016-07-03 FCC CLASS-B (AVG) Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 630314-01 Mode : 20 Power : 14.5



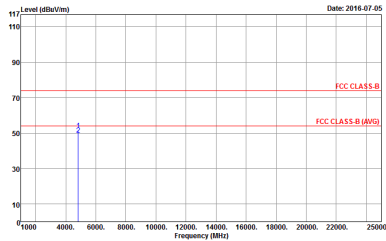
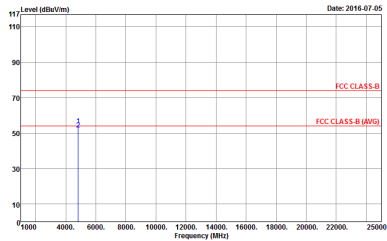
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - R	
1+2+3	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 20 Power : 14.5	Left blank
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 20 Power : 14.5	Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - L	
1+2+3	Vertical	Fundamental
Peak	 Date: 2016-07-03 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 20 Power : 14.5	 Date: 2016-07-03 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 20 Power : 14.5
Avg.	 Date: 2016-07-03 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 20 Power : 14.5	 Date: 2016-07-03 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 630314-01 Mode : 20 Power : 14.5

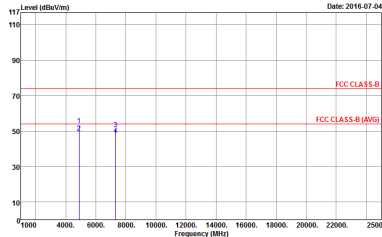
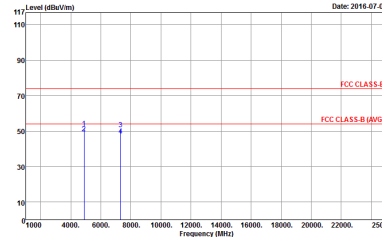


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - R	
1+2+3	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 630314-01 Mode : 20 Power : 14.5	Left blank
Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B (AVG) 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 630314-01 Mode : 20 Power : 14.5	Left blank

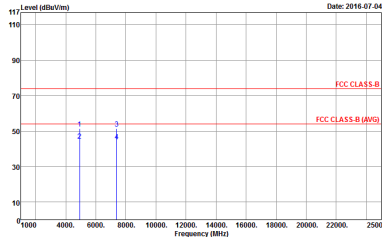
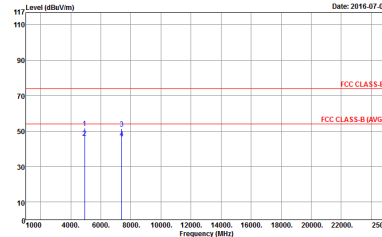
2.4GHz 2400~2483.5MHz
WIFI 802.11b (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
1+2+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 9	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 630314-01 Mode : 9



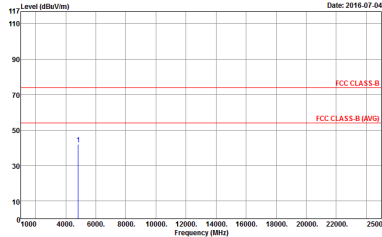
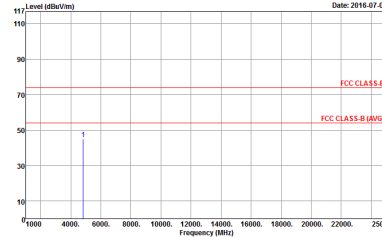
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
1+2+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 10	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 630314-01 Mode : 10



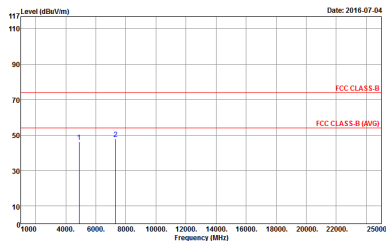
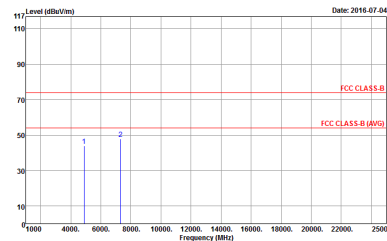
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
1+2+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 11	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 630314-01 Mode : 11



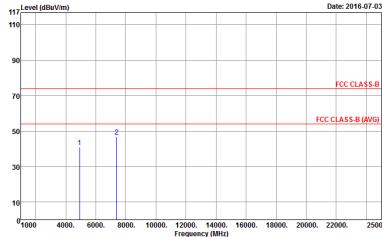
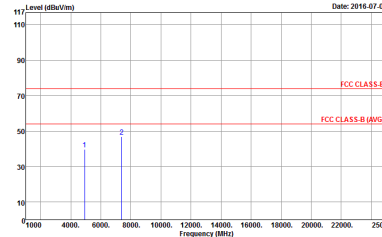
2.4GHz 2400~2483.5MHz
WIFI 802.11g (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
1+2+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 12	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 630314-01 Mode : 12



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
1+2+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 13	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 630314-01 Mode : 13

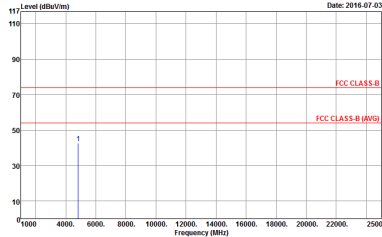
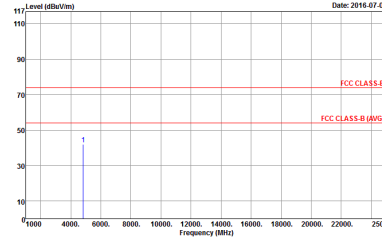


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
1+2+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 14	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 630314-01 Mode : 14

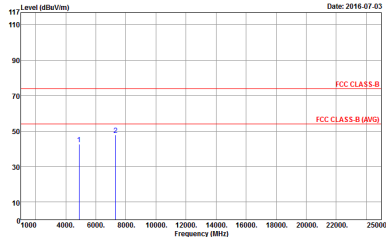
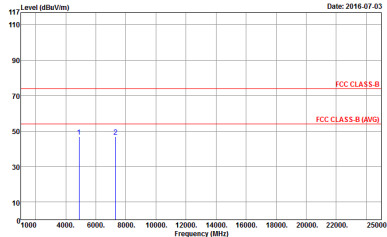


2.4GHz 2400~2483.5MHz

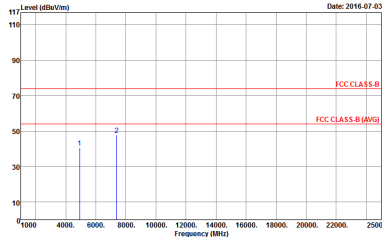
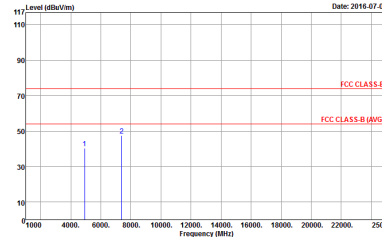
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1+2+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 15	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 630314-01 Mode : 15

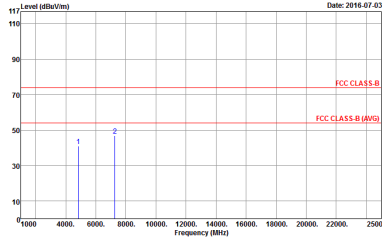
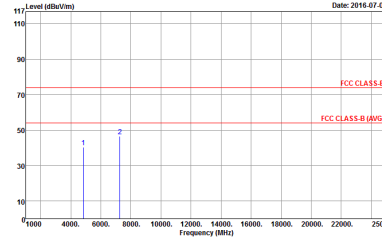


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH06 2437MHz	
1+2+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 16	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 630314-01 Mode : 16

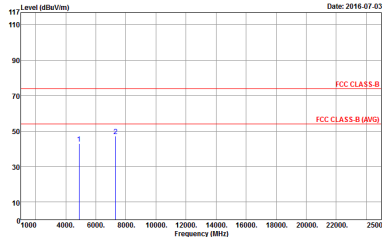
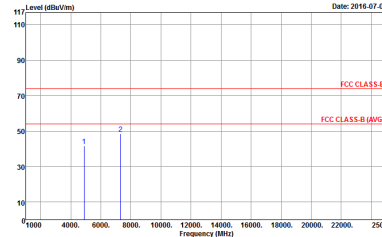


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1+2+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 17	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 630314-01 Mode : 17

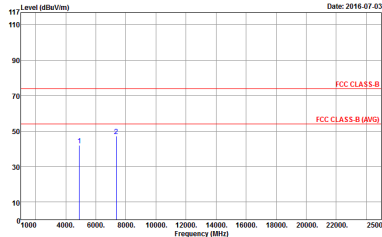
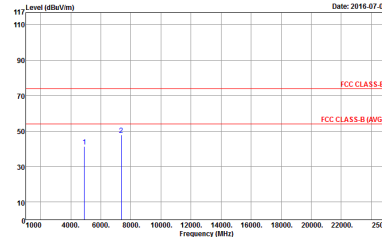
2.4GHz 2400~2483.5MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT40 CH03 2422MHz	
1+2+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 1B	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 630314-01 Mode : 1B

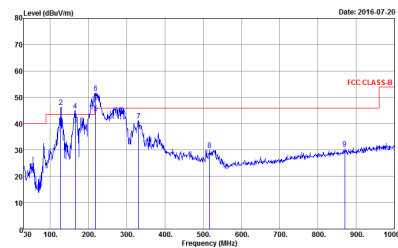
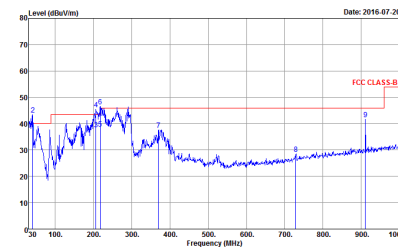


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT40 CH06 2437MHz	
1+2+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 19	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 630314-01 Mode : 19



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT40 CH09 2452MHz	
1+2+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 20	 Site : 03CH13-HY Condition : FCC CLASS-B 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 630314-01 Mode : 20

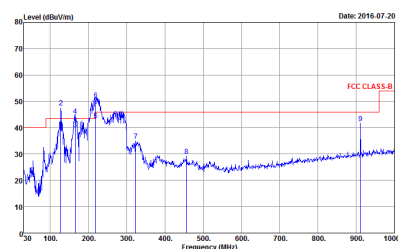
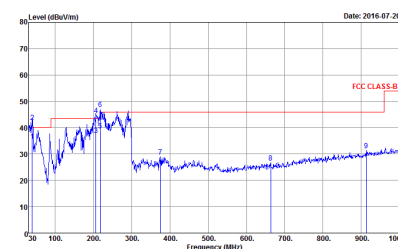
**Emission below 1GHz
2.4GHz WIFI 802.11b (LF)**

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11b LF	
1+2+3	Horizontal	Vertical
QP / Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m B1LOG_40103 HORIZONTAL Detector : Peak Project : 630314-01 Mode : Z1	 Site : 03CH13-HY Condition : FCC CLASS-B 3m B1LOG_40103 VERTICAL Detector : Peak Project : 630314-01 Mode : Z1

2.4GHz 2400~2483.5MHz

Emission below 1GHz

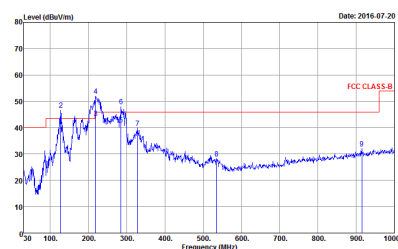
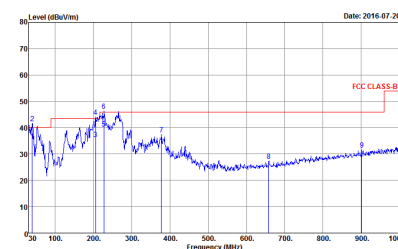
2.4GHz WIFI 802.11g (LF)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11g LF	
1+2+3	Horizontal	Vertical
QP / Peak	 Site : 03CH13-HY Condition : FCC CLASS-B 3m BILOG_40103 HORIZONTAL Detector : Peak Project : 630314-01 Mode : Z2	 Site : 03CH13-HY Condition : FCC CLASS-B 3m BILOG_40103 VERTICAL Detector : Peak Project : 630314-01 Mode : Z2

2.4GHz 2400~2483.5MHz

Emission below 1GHz

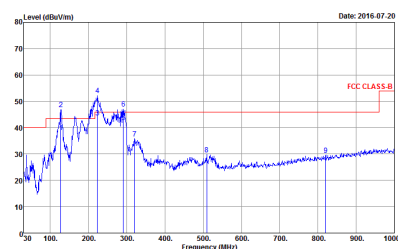
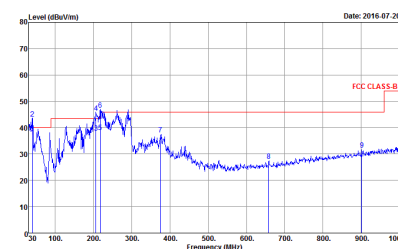
2.4GHz WIFI 802.11n HT20 (LF)

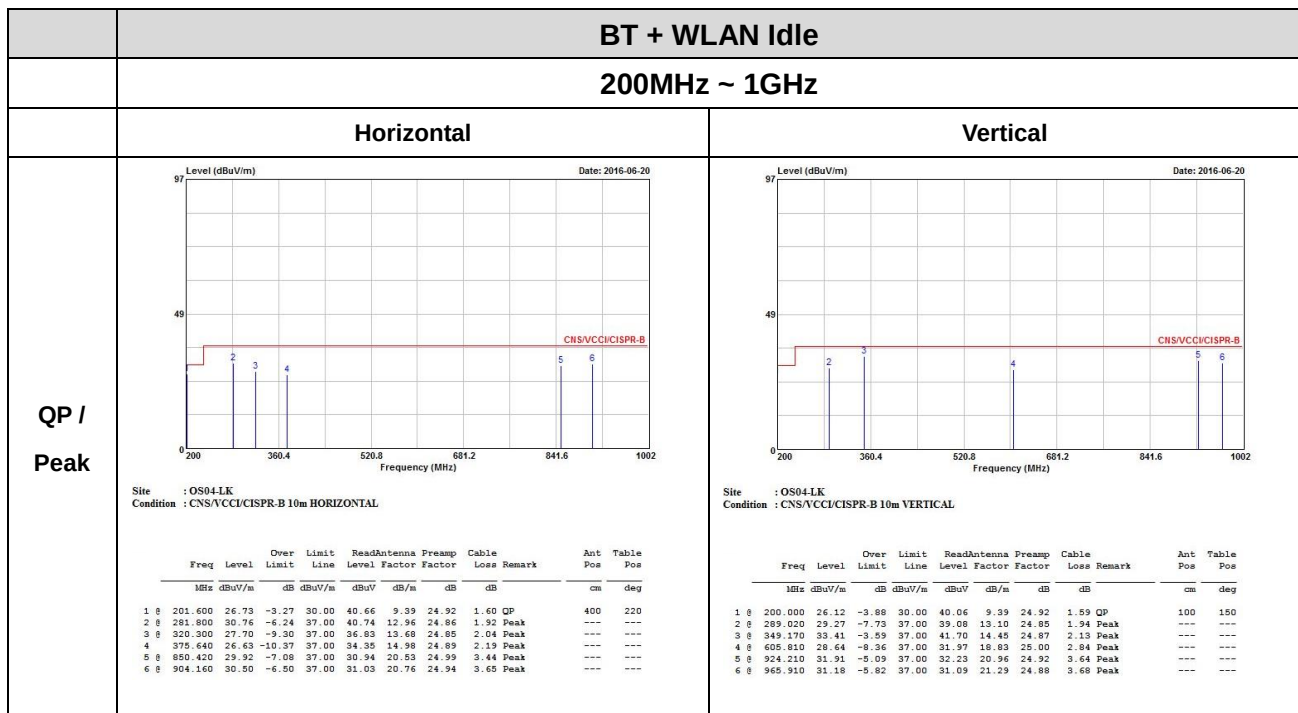
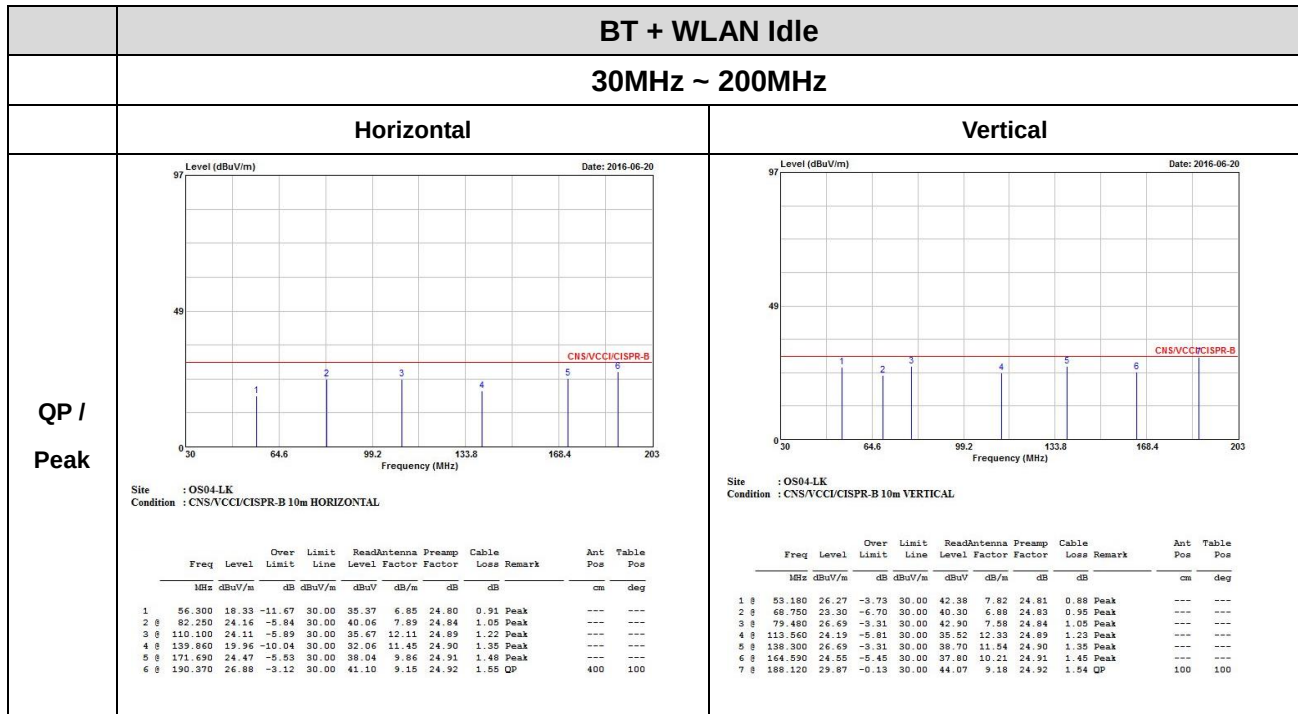
WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11n HT20 LF	
1+2+3	Horizontal	Vertical
QP / Peak	 Site : 03CH3-HY Condition : FCC CLASS-B 3m BILOG_40103 HORIZONTAL Detector : Peak Project : 630314-01 Mode : Z3	 Site : 03CH3-HY Condition : FCC CLASS-B 3m BILOG_40103 VERTICAL Detector : Peak Project : 630314-01 Mode : Z3

2.4GHz 2400~2483.5MHz

Emission below 1GHz

2.4GHz WIFI 802.11n HT40 (LF)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11n HT40 LF	
1+2+3	Horizontal	Vertical
QP / Peak	 Site : 03CH3-HY Condition : FCC CLASS-B 3m BILOG_40103 HORIZONTAL Detector : Peak Project : 630314-01 Mode : 24	 Site : 03CH3-HY Condition : FCC CLASS-B 3m BILOG_40103 VERTICAL Detector : Peak Project : 630314-01 Mode : 24



BT + WLAN Idle

1GHz ~ 13GHz

Horizontal

Vertical

QP /
Peak

Level (dBuV/m)

Date: 2016-06-30

97

90

80

70

60

50

40

30

20

10

0

1000

3400

5800

8200

10600

13000

2

3

4

5

6

1

2

3

4

5

6

FCC CLASS-B

-6dB

FCC CLASS-B (AVG)

-6dB

Site : 03CH06-HY

Condition : FCC CLASS-B 3m 9120D_1156_150827 HORIZONTAL

	Freq	Level	Over Limit	Limit Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		
1	2870.00	35.79	-38.21	74.00	60.68	28.21	7.59	60.69	---	---	Peak
2	4930.00	48.80	-33.20	74.00	58.16	31.39	11.17	59.92	---	---	Peak
3	6772.00	43.53	-30.47	74.00	56.98	34.76	11.86	60.07	---	---	Peak
4	8910.00	45.25	-28.75	74.00	53.20	37.54	14.27	59.76	---	---	Peak
5	10938.00	48.52	-25.48	74.00	51.89	40.46	15.00	58.83	100	121	Peak
6	11296.00	47.63	-26.37	74.00	49.98	40.32	15.61	58.28	---	---	Peak

Level (dBuV/m)

Date: 2016-06-30

97

90

80

70

60

50

40

30

20

10

0

1000

3400

5800

8200

10600

13000

2

3

4

5

6

1

2

3

4

5

6

FCC CLASS-B

-6dB

FCC CLASS-B (AVG)

-6dB

Site : 03CH06-HY

Condition : FCC CLASS-B 3m 9120D_1156_150827 VERTICAL

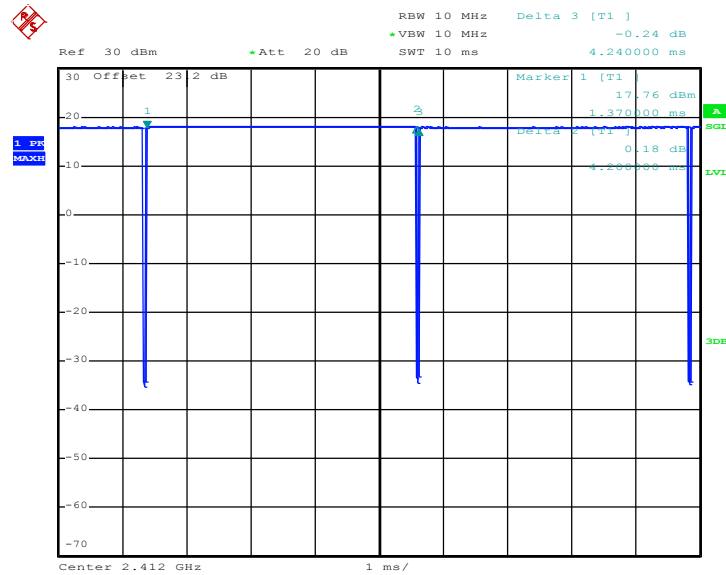
	Freq	Level	Over Limit	Limit Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		
1	2866.00	36.11	-37.89	74.00	61.00	28.21	7.59	60.69	---	---	Peak
2	4880.00	40.68	-33.32	74.00	58.40	31.31	11.06	60.09	---	---	Peak
3	6770.00	43.33	-30.67	74.00	56.81	34.72	11.86	60.06	---	---	Peak
4	8748.00	45.23	-28.77	74.00	53.00	37.30	14.48	59.55	---	---	Peak
5	10922.00	47.72	-26.28	74.00	51.22	40.44	14.94	58.88	---	---	Peak
6	11490.00	48.25	-25.75	74.00	50.11	40.21	15.95	58.02	100	194	Peak

Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1+2	802.11b for Ant 1	100	-	-	10Hz
1+2	802.11b for Ant 2	100	-	-	10Hz
1+2	802.11g for Ant 1	95.78	1360	0.74	1kHz
1+2	802.11g for Ant 2	95.78	1360	0.74	1kHz
1+2	2.4GHz 802.11n HT20 for Ant 1	95.49	1270	0.79	1kHz
1+2	2.4GHz 802.11n HT20 for Ant 2	95.49	1270	0.79	1kHz
1+2	2.4GHz 802.11n HT40 for Ant 1	94.03	630	1.59	3kHz
1+2	2.4GHz 802.11n HT40 for Ant 2	92.65	630	1.59	3kHz

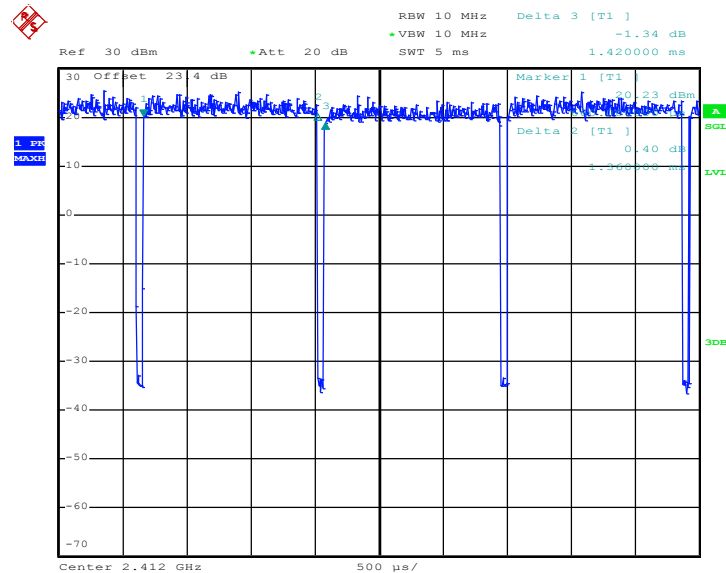
MIMO <Ant. 1+2(1)>

802.11b



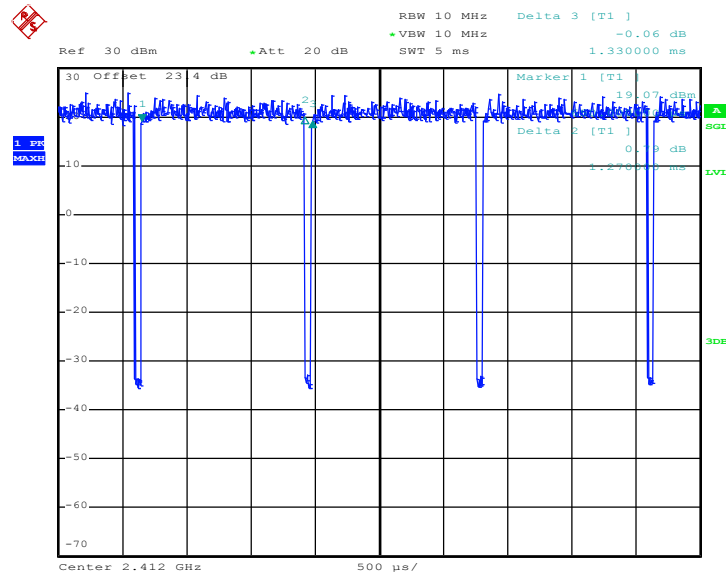
Date: 15.MAR.2016 22:46:53

802.11g



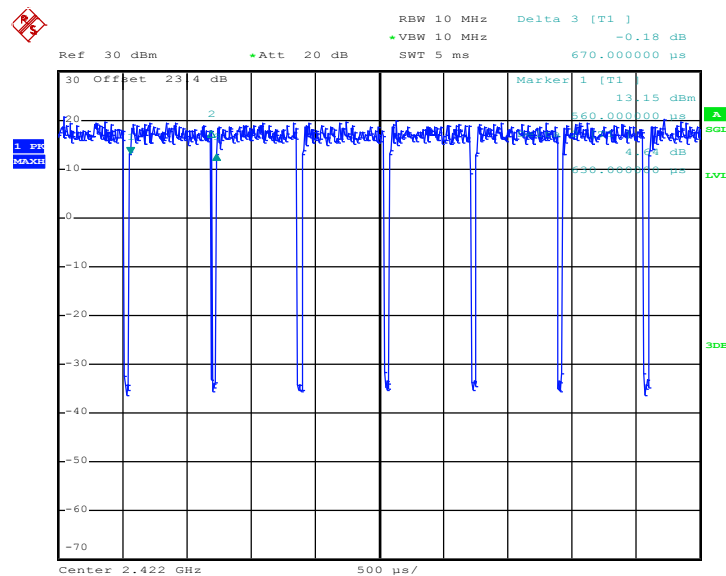
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802.11n HT20



Date: 9.MAR.2016 21:00:25

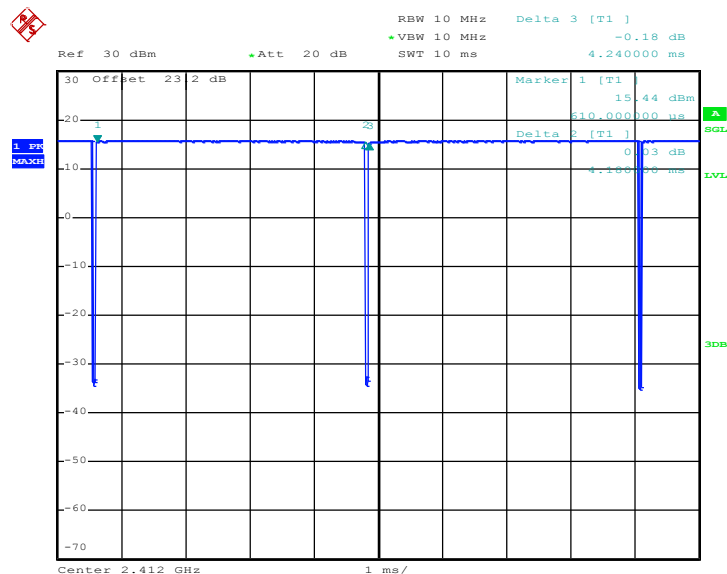
802.11n HT40



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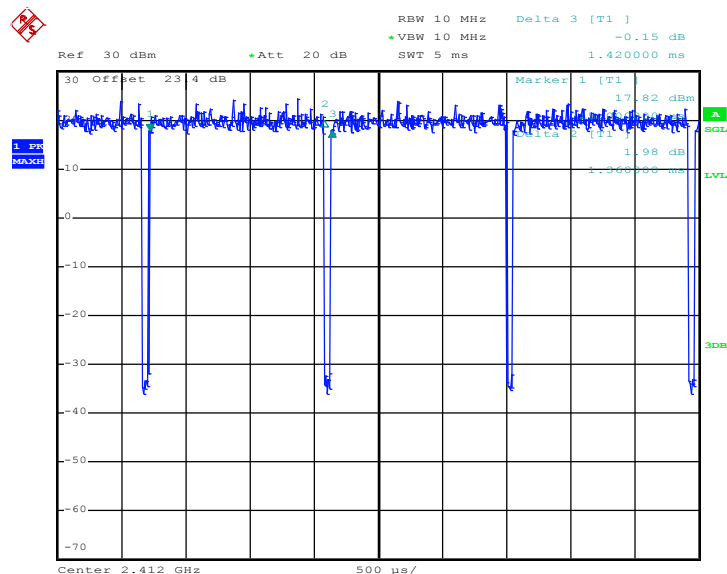
MIMO <Ant. 1+2(2)>

802.11b



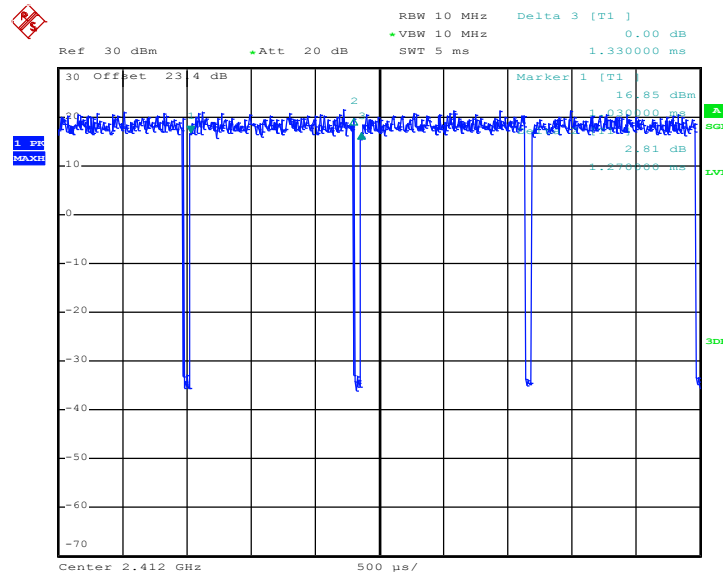
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802.11g



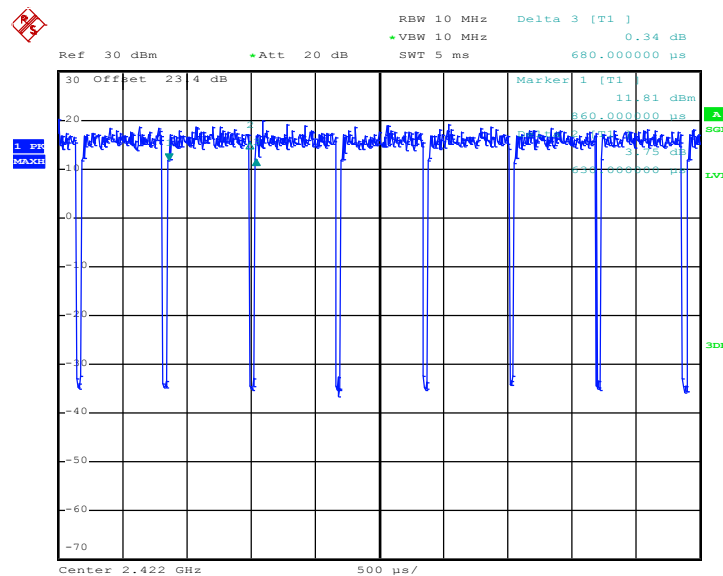
Date: 9.MAR.2016 20:31:21

802.11n HT20



Date: 9.MAR.2016 21:01:13

802.11n HT40



Date: 9.MAR.2016 21:30:08