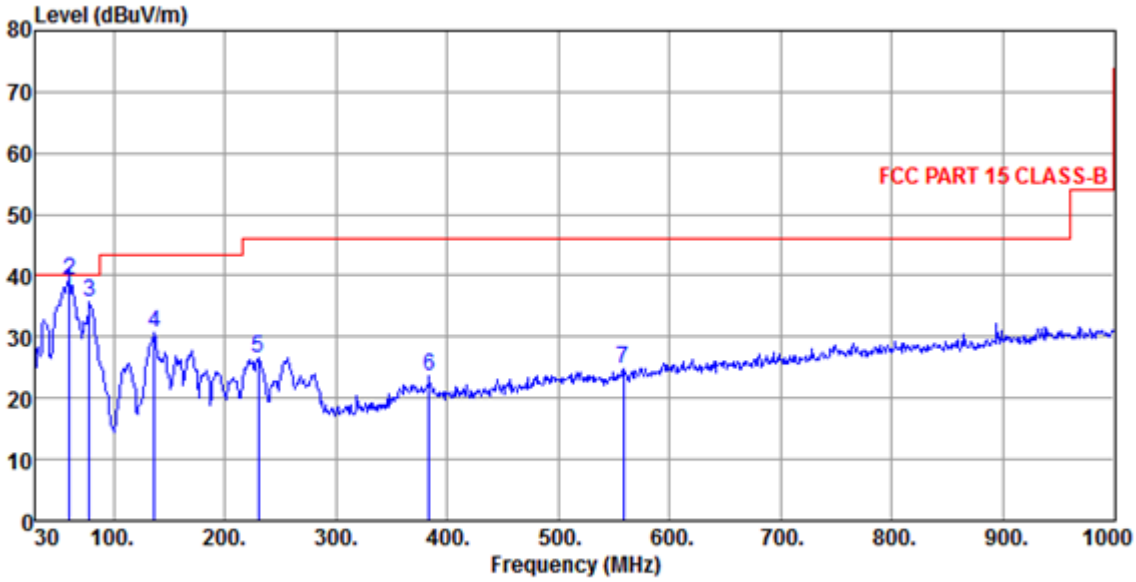
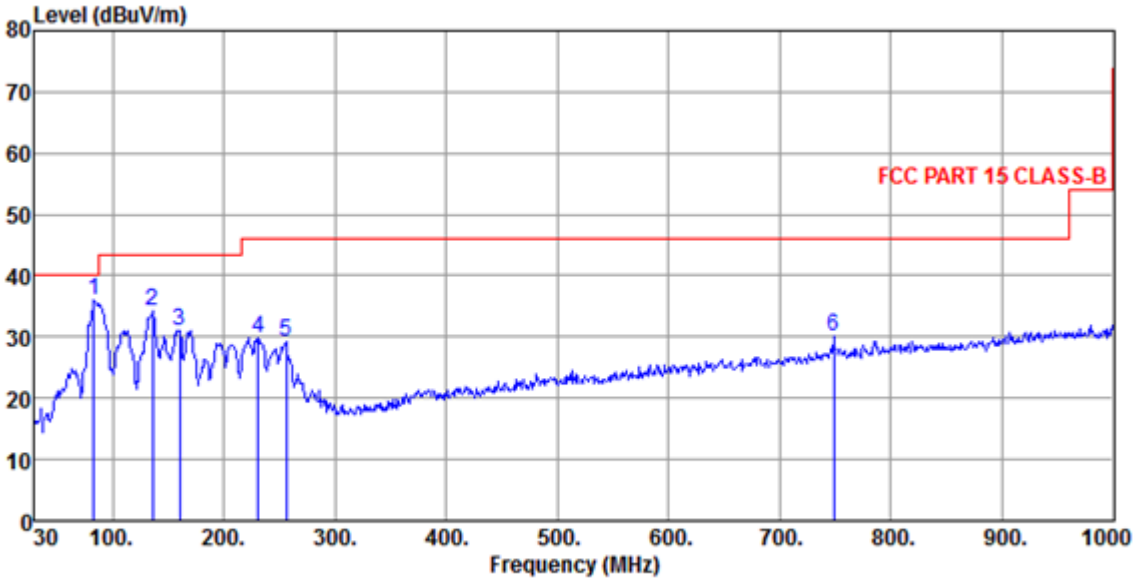
802.11g Ch11 Polarity: Vertical



Site : chamber
Condition : FCC PART 15 CLASS-B 3m VULB9160 VERTICAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11g CH11
Memo :

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 qp	59.87	23.68	12.67	1.04	0.00	37.39	40.00	-2.61	QP
2 pp	60.07	25.62	12.67	1.05	0.00	39.34	40.00	-0.66	Peak
3	78.50	25.38	9.14	1.09	0.00	35.61	40.00	-4.39	Peak
4	136.70	15.92	13.21	1.62	0.00	30.75	43.50	-12.75	Peak
5	229.82	13.39	11.24	2.04	0.00	26.67	46.00	-19.33	Peak
6	384.05	6.01	14.97	2.74	0.00	23.72	46.00	-22.28	Peak
7	558.65	3.32	18.12	3.23	0.00	24.67	46.00	-21.33	Peak

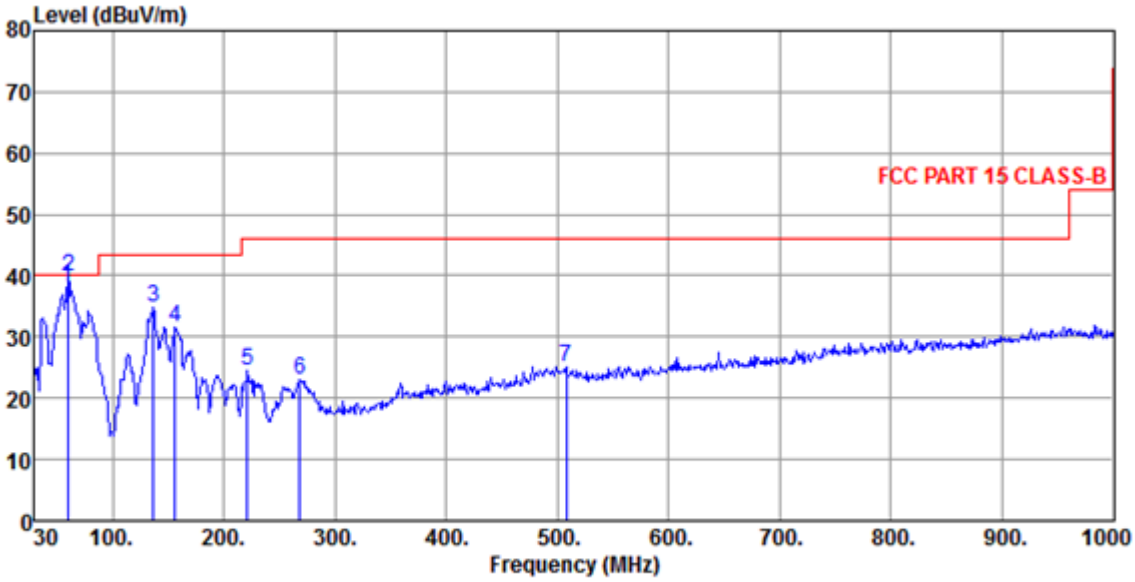
802.11n20 Ch1 Polarity: Horizontal



Site : chamber
Condition : FCC PART 15 CLASS-B 3m VULB9160 HORIZONTAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n20 CH1
Memo :

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 pp	83.35	26.15	8.68	1.09	0.00	35.92	40.00	-4.08	Peak
2	135.73	19.41	13.07	1.62	0.00	34.10	43.50	-9.40	Peak
3	159.98	15.51	13.88	1.68	0.00	31.07	43.50	-12.43	Peak
4	230.79	16.63	11.24	2.05	0.00	29.92	46.00	-16.08	Peak
5	256.01	15.05	12.05	2.17	0.00	29.27	46.00	-16.73	Peak
6	748.77	4.92	21.29	3.80	0.00	30.01	46.00	-15.99	Peak

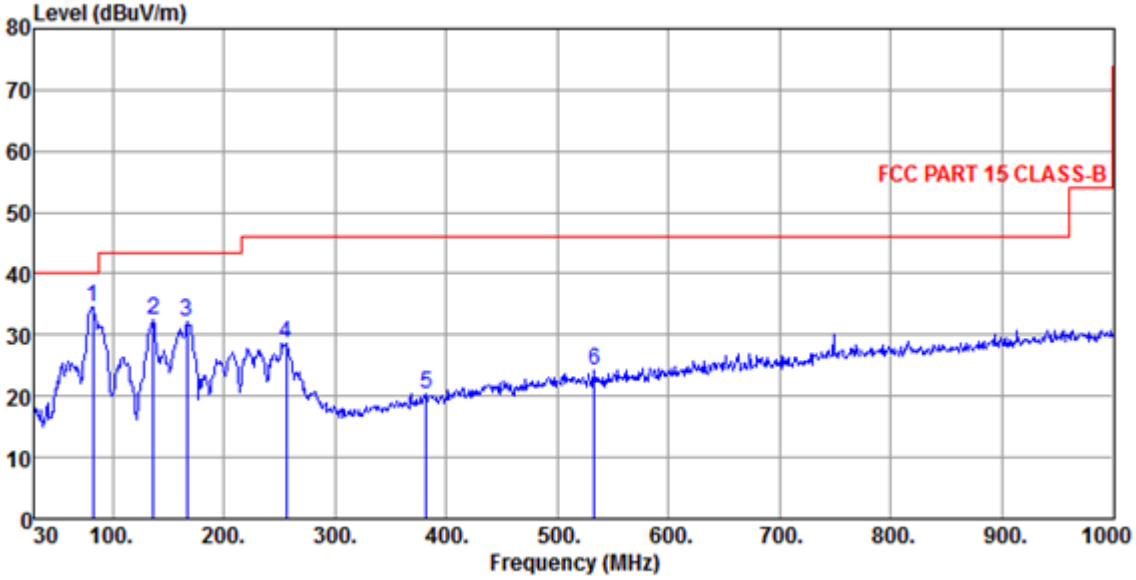
802.11n20 Ch1 Polarity: Vertical



Site : chamber
Condition : FCC PART 15 CLASS-B 3m VULB9160 VERTICAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n20 CH1
Memo :

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 qp	59.64	24.39	12.67	1.04	0.00	38.10	40.00	-1.90	QP
2 pp	60.07	26.11	12.67	1.05	0.00	39.83	40.00	-0.17	Peak
3	136.70	19.93	13.21	1.62	0.00	34.76	43.50	-8.74	Peak
4	156.10	15.91	13.89	1.67	0.00	31.47	43.50	-12.03	Peak
5	221.09	11.57	10.76	2.11	0.00	24.44	46.00	-21.56	Peak
6	268.62	8.31	12.40	2.21	0.00	22.92	46.00	-23.08	Peak
7	508.21	4.96	17.17	3.09	0.00	25.22	46.00	-20.78	Peak

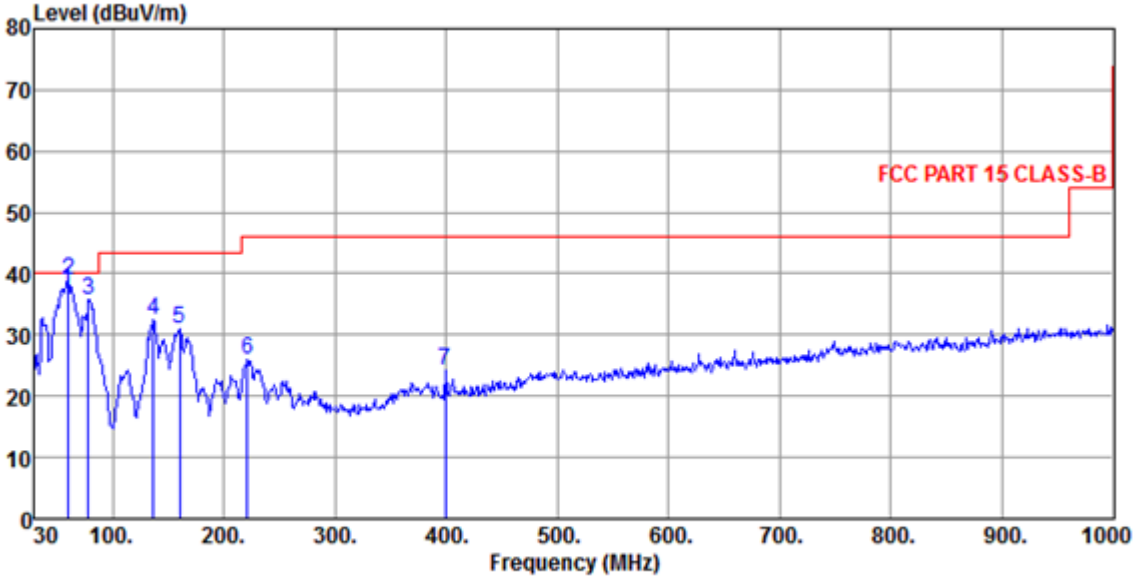
802.11n20 Ch6 Polarity: Horizontal



Site : chamber
Condition : FCC PART 15 CLASS-B 3m VULB9160 HORIZONTAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n20 CH6
Memo :

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 pp	82.38	24.77	8.73	1.09	0.00	34.59	40.00	-5.41	Peak
2	136.70	17.71	13.21	1.62	0.00	32.54	43.50	-10.96	Peak
3	166.77	16.98	13.44	1.79	0.00	32.21	43.50	-11.29	Peak
4	256.01	14.49	12.05	2.17	0.00	28.71	46.00	-17.29	Peak
5	382.11	2.63	14.92	2.75	0.00	20.30	46.00	-25.70	Peak
6	533.43	3.66	17.54	3.13	0.00	24.33	46.00	-21.67	Peak

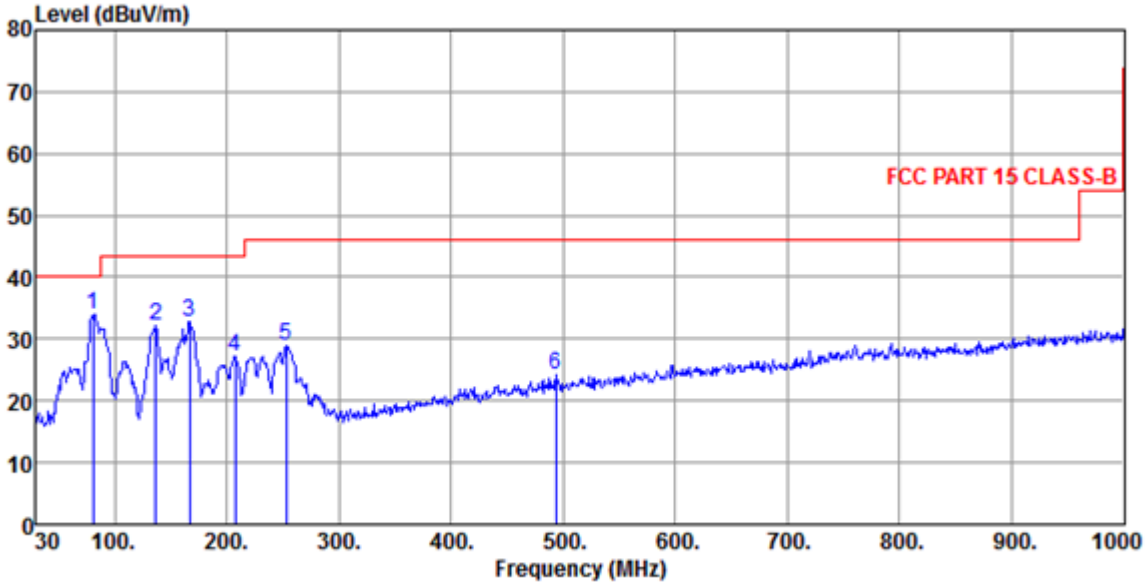
802.11n20 Ch6 Polarity: Vertical



Site : chamber
Condition : FCC PART 15 CLASS-B 3m VULB9160 VERTICAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n20 CH6
Memo :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 qp	59.82	23.54	12.67	1.04	0.00	37.25	40.00	-2.75	QP
2 pp	60.07	25.36	12.67	1.05	0.00	39.08	40.00	-0.92	Peak
3	78.50	25.58	9.14	1.09	0.00	35.81	40.00	-4.19	Peak
4	136.70	17.60	13.21	1.62	0.00	32.43	43.50	-11.07	Peak
5	159.98	15.36	13.88	1.68	0.00	30.92	43.50	-12.58	Peak
6	221.09	13.25	10.76	2.11	0.00	26.12	46.00	-19.88	Peak
7	399.57	6.28	15.32	2.65	0.00	24.25	46.00	-21.75	Peak

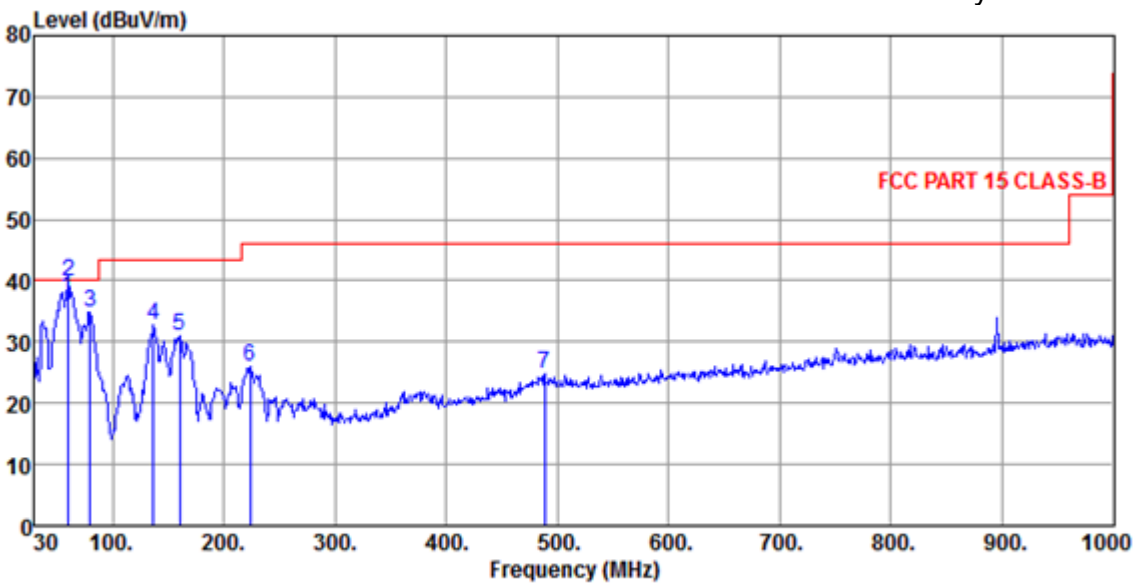
802.11n20 Ch11 Polarity: Horizontal



Site : chamber
Condition : FCC PART 15 CLASS-B 3m VULB9160 HORIZONTAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n20 CH11
Memo :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 pp	80.44	24.20	8.77	1.08	0.00	34.05	40.00	-5.95	Peak
2	136.70	17.45	13.21	1.62	0.00	32.28	43.50	-11.22	Peak
3	166.77	17.43	13.44	1.79	0.00	32.66	43.50	-10.84	Peak
4	207.51	14.85	10.49	1.93	0.00	27.27	43.50	-16.23	Peak
5	253.10	14.92	11.96	2.16	0.00	29.04	46.00	-16.96	Peak
6	493.66	4.06	17.00	3.04	0.00	24.10	46.00	-21.90	Peak

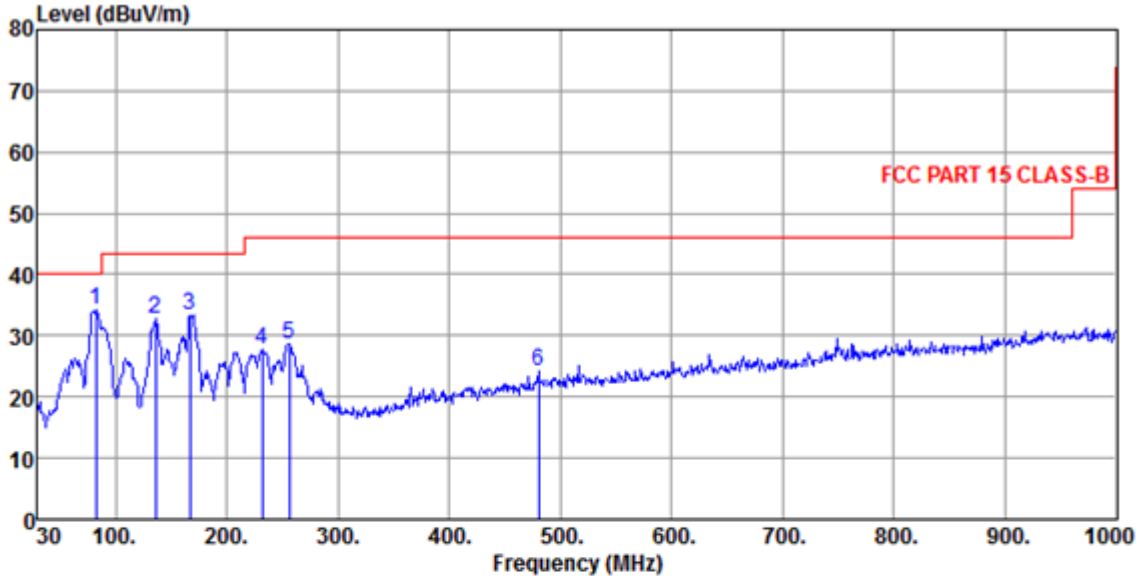
802.11n20 Ch11 Polarity: Vertical



Site : chamber
Condition : FCC PART 15 CLASS-B 3m VULB9160 VERTICAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n20 CH11
Memo :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 qp	59.76	23.59	12.67	1.04	0.00	37.30	40.00	-2.70	QP
2 pp	60.07	26.03	12.67	1.05	0.00	39.75	40.00	-0.25	Peak
3	79.47	24.95	8.77	1.09	0.00	34.81	40.00	-5.19	Peak
4	136.70	17.83	13.21	1.62	0.00	32.66	43.50	-10.84	Peak
5	159.98	15.54	13.88	1.68	0.00	31.10	43.50	-12.40	Peak
6	224.00	13.08	10.95	2.09	0.00	26.12	46.00	-19.88	Peak
7	488.81	4.80	16.97	3.05	0.00	24.82	46.00	-21.18	Peak

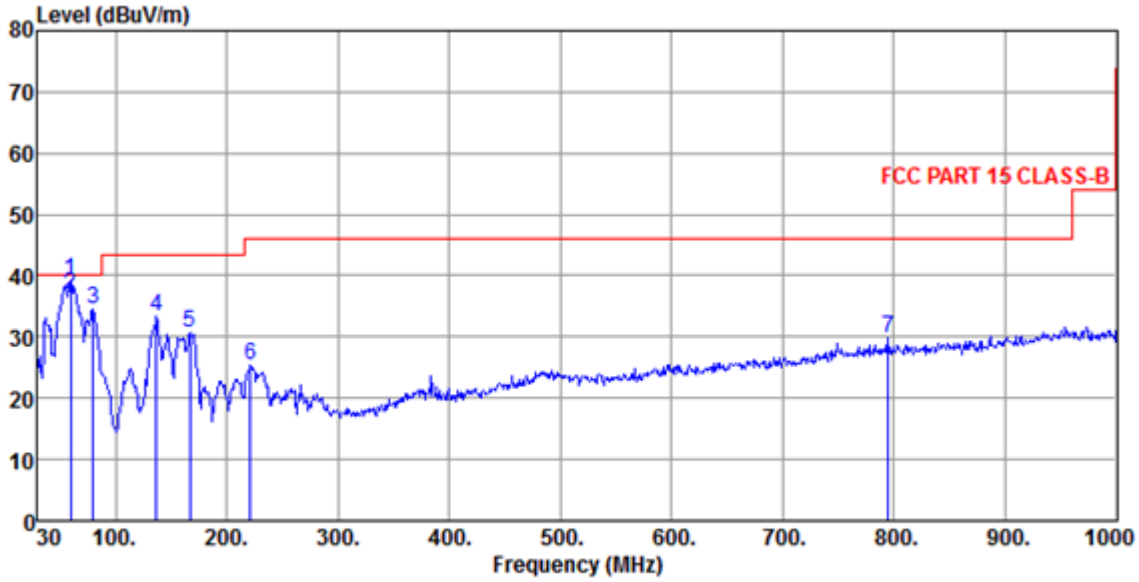
802.11n40 Ch3 Polarity: Horizontal



Site : chamber
Condition : FCC PART 15 CLASS-B 3m VULB9160 HORIZONTAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n40 CH3
Memo :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 pp	82.38	24.51	8.73	1.09	0.00	34.33	40.00	-5.67	Peak
2	135.73	17.98	13.07	1.62	0.00	32.67	43.50	-10.83	Peak
3	166.77	18.11	13.44	1.79	0.00	33.34	43.50	-10.16	Peak
4	231.76	14.27	11.33	2.06	0.00	27.66	46.00	-18.34	Peak
5	256.01	14.53	12.05	2.17	0.00	28.75	46.00	-17.25	Peak
6	480.08	4.42	16.89	3.00	0.00	24.31	46.00	-21.69	Peak

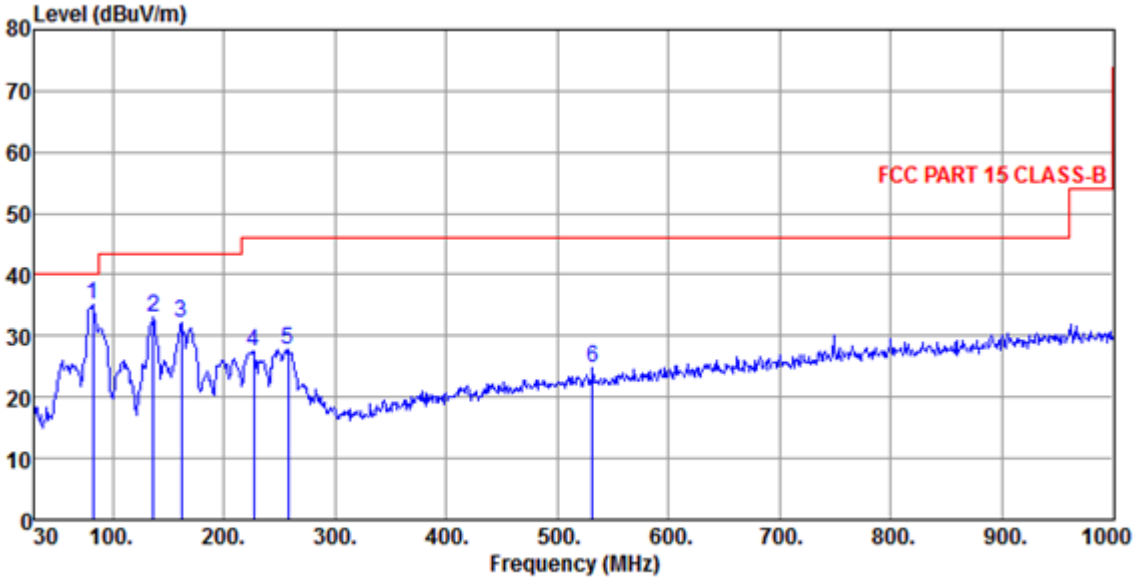
802.11n40 Ch3 Polarity: Vertical



Site : chamber
Condition : FCC PART 15 CLASS-B 3m VULB9160 VERTICAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n40 CH3
Memo :

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 pp	59.10	25.69	12.58	1.04	0.00	39.31	40.00	-0.69	Peak
2 qp	59.28	23.22	12.58	1.04	0.00	36.84	40.00	-3.16	QP
3	79.47	24.71	8.77	1.09	0.00	34.57	40.00	-5.43	Peak
4	136.70	18.41	13.21	1.62	0.00	33.24	43.50	-10.26	Peak
5	166.77	15.55	13.44	1.79	0.00	30.78	43.50	-12.72	Peak
6	221.09	12.46	10.76	2.11	0.00	25.33	46.00	-20.67	Peak
7	795.33	4.26	21.70	3.82	0.00	29.78	46.00	-16.22	Peak

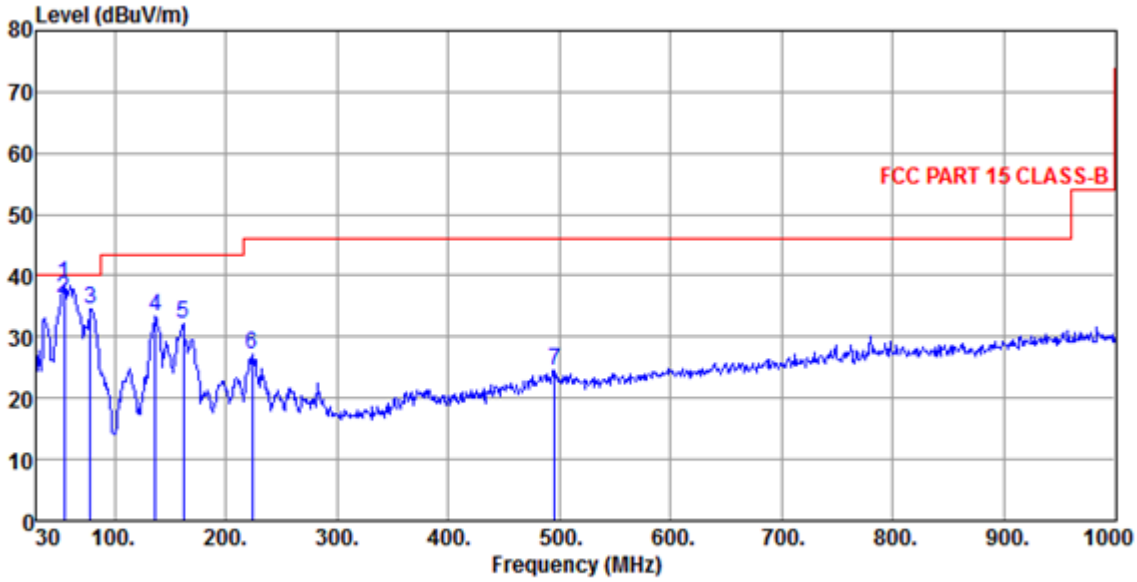
802.11n40 Ch6 Polarity: Horizontal



Site : chamber
Condition : FCC PART 15 CLASS-B 3m VULB9160 HORIZONTAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n40 CH6
Memo :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 pp	82.38	25.27	8.73	1.09	0.00	35.09	40.00	-4.91	Peak
2	136.70	18.12	13.21	1.62	0.00	32.95	43.50	-10.55	Peak
3	161.92	16.63	13.77	1.70	0.00	32.10	43.50	-11.40	Peak
4	226.91	14.39	11.05	2.07	0.00	27.51	46.00	-18.49	Peak
5	257.95	13.47	12.09	2.18	0.00	27.74	46.00	-18.26	Peak
6	531.49	4.17	17.51	3.14	0.00	24.82	46.00	-21.18	Peak

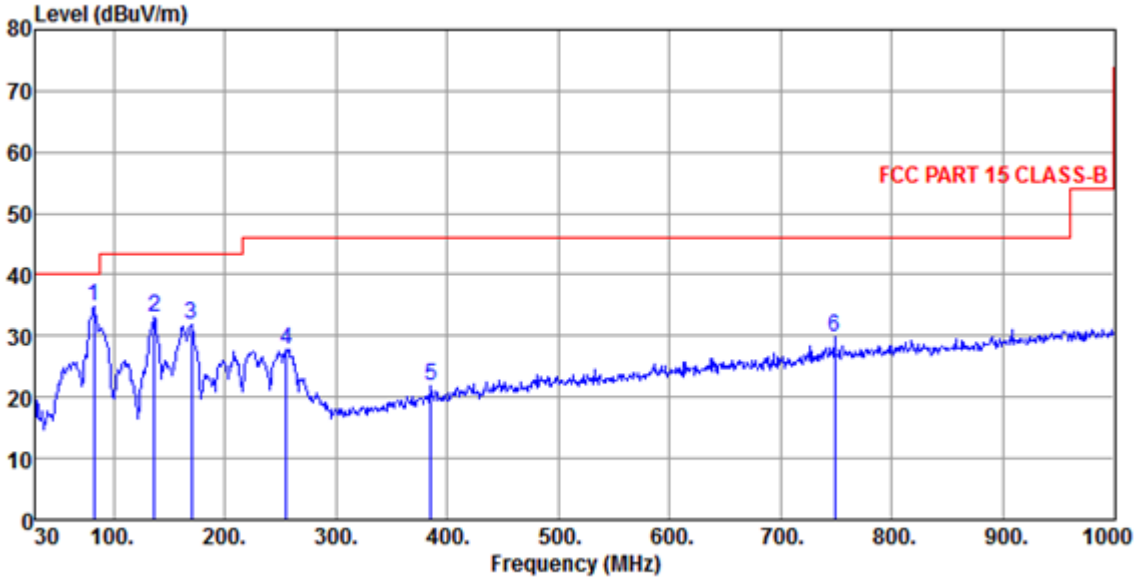
802.11n40 Ch6 Polarity: Vertical



Site : chamber
Condition : FCC PART 15 CLASS-B 3m VULB9160 VERTICAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n40 CH6
Memo :

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 pp	54.25	25.21	12.40	0.99	0.00	38.60	40.00	-1.40	Peak
2 qp	54.37	22.84	12.40	0.99	0.00	36.23	40.00	-3.77	QP
3	78.50	24.42	9.14	1.09	0.00	34.65	40.00	-5.35	Peak
4	136.70	18.57	13.21	1.62	0.00	33.40	43.50	-10.10	Peak
5	161.92	16.80	13.77	1.70	0.00	32.27	43.50	-11.23	Peak
6	224.00	14.08	10.95	2.09	0.00	27.12	46.00	-18.88	Peak
7	495.60	4.44	17.01	3.04	0.00	24.49	46.00	-21.51	Peak

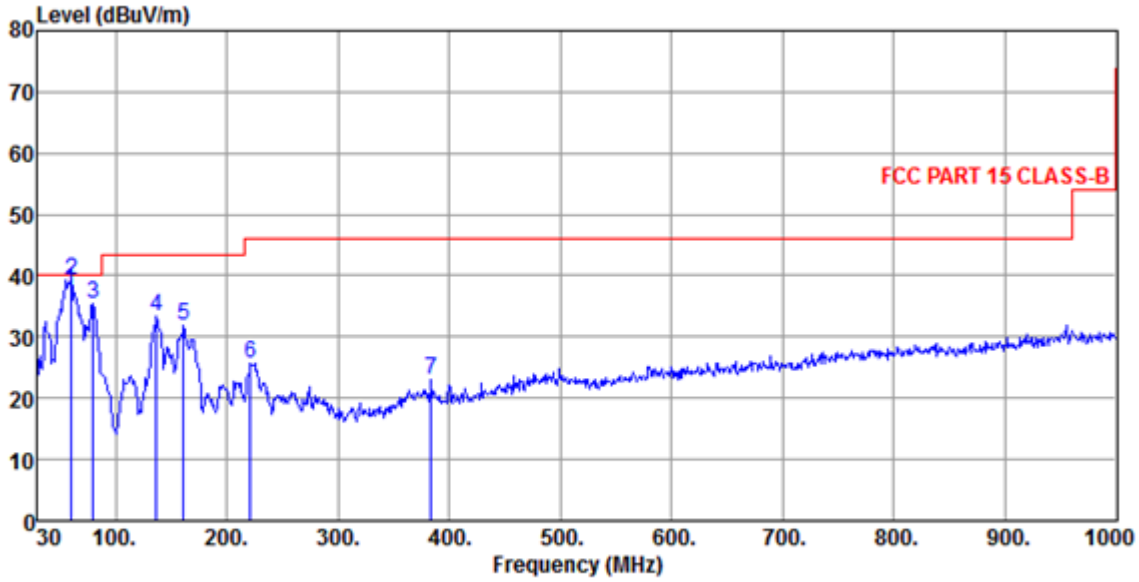
802.11n40 Ch9 Polarity: Horizontal



Site : chamber
Condition : FCC PART 15 CLASS-B 3m VULB9160 HORIZONTAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n40 CH9
Memo :

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 pp	82.38	24.94	8.73	1.09	0.00	34.76	40.00	-5.24	Peak
2	136.70	18.20	13.21	1.62	0.00	33.03	43.50	-10.47	Peak
3	169.68	16.66	13.33	1.84	0.00	31.83	43.50	-11.67	Peak
4	255.04	13.64	12.00	2.17	0.00	27.81	46.00	-18.19	Peak
5	385.02	4.12	14.97	2.73	0.00	21.82	46.00	-24.18	Peak
6	748.77	4.79	21.29	3.80	0.00	29.88	46.00	-16.12	Peak

802.11n40 Ch9 Polarity: Vertical



Site : chamber
Condition : FCC PART 15 CLASS-B 3m VULB9160 VERTICAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n40 CH9
Memo :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 qp	59.32	23.85	12.58	1.04	0.00	37.47	40.00	-2.53	QP
2 pp	60.07	25.53	12.67	1.05	0.00	39.25	40.00	-0.75	Peak
3	79.47	25.43	8.77	1.09	0.00	35.29	40.00	-4.71	Peak
4	136.70	18.43	13.21	1.62	0.00	33.26	43.50	-10.24	Peak
5	160.95	16.35	13.77	1.69	0.00	31.81	43.50	-11.69	Peak
6	221.09	12.69	10.76	2.11	0.00	25.56	46.00	-20.44	Peak
7	384.05	5.21	14.97	2.74	0.00	22.92	46.00	-23.08	Peak

From 1GHz to 25GHz:

802.11b, traffic mode; Channel 1

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Antenna Polarity	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type
2412	111.34	-3.54	Horizontal	107.8	/	/	Peak
2412		-3.54	H	95.35	/	/	Average
4824	43.17	4.76	H	47.93	74	26.07	Peak
4824		4.76	H		54		Average
7236	44.60	11.24	H	55.84	74	18.16	Peak
7236		11.24	H		54		Average
2412	105.98	-3.54	Vertical	102.44	/	/	Peak
2412		-3.54	V		/	/	Average
4824	42.38	4.76	V	47.14	74	26.86	Peak
4824		4.76	V		54		Average
7236	43.43	11.24	V	54.67	74	19.33	Peak
7236		11.24	V		54		Average

Note: 1, Total=Reading+Correct factor
2, 2412 MHz was fundamental signal which can be ignored.
3, Other harmonics are lower than background noise.

802.11b, traffic mode; Channel 6

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Antenna Polarity	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type
2437	111.47	-3.54	Horizontal	107.93	/	/	Peak
2437		-3.54	H		/	/	Average
4874	43.26	4.76	H	48.02	74	25.98	Peak
4874		4.76	H		54		Average
7311	43.98	11.24	H	55.22	74	18.78	Peak
7311		11.24	H		54		Average
2437	106.56	-3.54	Vertical	103.02	/	/	Peak
2437		-3.54	V		/	/	Average
4874	42.90	4.76	V	47.66	74	26.34	Peak
4874		4.76	V		54		Average
7311	43.49	11.24	V	54.73	74	19.27	Peak
7311		11.24	V		54		Average

Note: 1, Total=Reading+Correct factor
2, 2437 MHz was fundamental signal which can be ignored.
3, Other harmonics are lower than background noise

802.11b, traffic mode; Channel 11

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Antenna Polarity	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type
2462	110.76	-3.13	Horizontal	107.63	/	/	Peak
2462		-3.13	H		/	/	Average
4924	42.53	5.15	H	47.68	74	26.32	Peak
4924		5.15	H		54		Average
7386	44.02	12.01	H	56.03	74	17.97	Peak
7386		12.01	H		54		Average
2462	106.39	-3.13	Vertical	103.26	/	/	Peak
2462		-3.13	V		/	/	Average
4924	40.18	5.15	V	45.33	74	28.67	Peak
4924		5.15	V		54		Average
7386	42.45	12.01	V	54.46	74	19.54	Peak
7386		12.01	V		54		Average

Note: 1, Total=Reading+Correct factor
2, 2462 MHz was fundamental signal which can be ignored.
3, Other harmonics are lower than background noise

802.11g, traffic mode; Channel 1

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Antenna Polarity	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type
2412	112.89	-3.54	Horizontal	109.35	/	/	Peak
2412		-3.54	H		/	/	Average
4824	43.76	4.76	H	48.52	74	25.48	Peak
4824		4.76	H		54		Average
7236	45.25	11.24	H	56.49	74	17.51	Peak
7236		11.24	H		54		Average
2412	108.86	-3.54	Vertical	105.32	/	/	Peak
2412		-3.54	V		/	/	Average
4824	42.62	4.76	V	47.38	74	26.62	Peak
4824		4.76	V		54		Average
7236	44.45	11.24	V	55.69	74	18.31	Peak
7236		11.24	V		54		Average

Note: 1, Total=Reading+Correct factor
2, 2412 MHz was fundamental signal which can be ignored.
3, Other harmonics are lower than background noise.

802.11g, traffic mode; Channel 6

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Antenna Polarity	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type
2437	113.88	-3.49	Horizontal	110.39	/	/	Peak
2437		-3.49	H		/	/	Average
4874	43.14	4.81	H	47.95	74	26.05	Peak
4874		4.81	H		54		Average
7311	43.31	11.56	H	55.87	74	18.13	Peak
7311		11.56	H		54		Average
2437	110.01	-3.49	Vertical	106.52	/	/	Peak
2437		-3.49	V		/	/	Average
4874	40.55	4.81	V	45.36	74	28.64	Peak
4874		4.81	V		54		Average
7311	42.70	11.56	V	54.26	74	19.74	Peak
7311		11.56	V		54		Average

Note: 1, Total=Reading+Correct factor
2, 2437 MHz was fundamental signal which can be ignored.
3, Other harmonics are lower than background noise.

802.11g, traffic mode; Channel 11

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Antenna Polarity	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type
2462	112.97	-3.13	Horizontal	109.84	/	/	Peak
2462		-3.13	H		/	/	Average
4924	42.51	5.15	H	47.66	74	26.34	Peak
4924		5.15	H		54		Average
7386	43.41	12.01	H	55.42	74	18.58	Peak
7386		12.01	H		54		Average
2462	108.51	-3.13	Vertical	105.38	/	/	Peak
2462		-3.13	V		/	/	Average
4924	41.17	5.15	V	46.32	74	27.68	Peak
4924		5.15	V		54		Average
7386	42.17	12.01	V	54.18	74	19.82	Peak
7386		12.01	V		54		Average

Note: 1, Total=Reading+Correct factor
2, 2462 MHz was fundamental signal which can be ignored.
3, Other harmonics are lower than background noise.

802.11n20, traffic mode; Channel 1

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Antenna Polarity	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type
2412	113.49	-3.54	Horizontal	109.95	/	/	Peak
2412		-3.54	H		/	/	Average
4824	42.74	4.76	H	47.50	74	26.50	Peak
4824		4.76	H		54		Average
7236	45.07	11.24	H	56.31	74	17.69	Peak
7236		11.24	H		54		Average
2412	108.78	-3.54	Vertical	105.24	/	/	Peak
2412		-3.54	V		/	/	Average
4824	41.45	4.76	V	46.21	74	27.79	Peak
4824		4.76	V		54		Average
7236	43.63	11.24	V	54.87	74	19.13	Peak
7236		11.24	V		54		Average

Note: 1, Total=Reading+Correct factor
2, 2412 MHz was fundamental signal which can be ignored.
3, Other harmonics are lower than background noise.

802.11n20, traffic mode; Channel 6

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Antenna Polarity	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type
2437	112.16	-3.49	Horizontal	108.67	/	/	Peak
2437		-3.49	H		/	/	Average
4874	42.27	4.81	H	47.08	74	26.92	Peak
4874		4.81	H		54		Average
7311	44.83	11.56	H	56.39	74	17.61	Peak
7311		11.56	H		54		Average
2437	108.06	-3.49	Vertical	104.57	/	/	Peak
2437		-3.49	V		/	/	Average
4874	41.51	4.81	V	46.32	74	27.68	Peak
4874		4.81	V		54		Average
7311	43.53	11.56	V	55.09	74	18.91	Peak
7311		11.56	V		54		Average

Note: 1, Total=Reading+Correct factor
2, 2437 MHz was fundamental signal which can be ignored.
3, Other harmonics are lower than background noise.

802.11n20, traffic mode; Channel 11

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Antenna Polarity	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type
2462	112.67	-3.13	Horizontal	109.54	/	/	Peak
2462		-3.13	H		/	/	Average
4924	42.04	5.15	H	47.19	74	26.81	Peak
4924		5.15	H		54		Average
7386	44.83	12.01	H	56.84	74	17.16	Peak
7386		12.01	H		54		Average
2462	108.48	-3.13	Vertical	105.35	/	/	Peak
2462		-3.13	V		/	/	Average
4924	41.17	5.15	V	46.32	74	27.68	Peak
4924		5.15	V		54		Average
7386	43.17	12.01	V	55.18	74	18.82	Peak
7386		12.01	V		54		Average

Note: 1, Total=Reading+Correct factor
2, 2462 MHz was fundamental signal which can be ignored.
3, Other harmonics are lower than background noise.

802.11n40, traffic mode; Channel 3

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Antenna Polarity	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type
2422	111.83	-3.52	Horizontal	108.31	/	/	Peak
2422		-3.52	H		/	/	Average
4844	42.11	4.77	H	46.88	74	27.12	Peak
4844		4.77	H		54		Average
7266	44.53	11.31	H	55.84	74	18.16	Peak
7266		11.31	H		54		Average
2422	108.49	-3.54	Vertical	104.95	/	/	Peak
2422		-3.54	V		/	/	Average
4844	40.46	4.77	V	45.23	74	26.77	Peak
4844		4.77	V		54		Average
7266	43.41	11.31	V	54.72	74	19.28	Peak
7266		11.31	V		54		Average

Note: 1, Total=Reading+Correct factor
2, 2422 MHz was fundamental signal which can be ignored.
3, Other harmonics are lower than background noise.

802.11n40, traffic mode; Channel 6

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Antenna Polarity	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type
2437	111.69	-3.49	Horizontal	108.20	/	/	Peak
2437		-3.49	H		/	/	Average
4874	42.71	4.81	H	47.52	74	26.48	Peak
4874		4.81	H		54		Average
7311	43.83	11.56	H	55.39	74	18.61	Peak
7311		11.56	H		54		Average
2437	108.42	-3.49	Vertical	104.93	/	/	Peak
2437		-3.49	V		/	/	Average
4874	41.44	4.81	V	46.25	74	27.75	Peak
4874		4.81	V		54		Average
7311	43.31	11.56	V	54.87	74	19.13	Peak
7311		11.56	V		54		Average

Note: 1, Total=Reading+Correct factor
2, 2437 MHz was fundamental signal which can be ignored.
3, Other harmonics are lower than background noise.

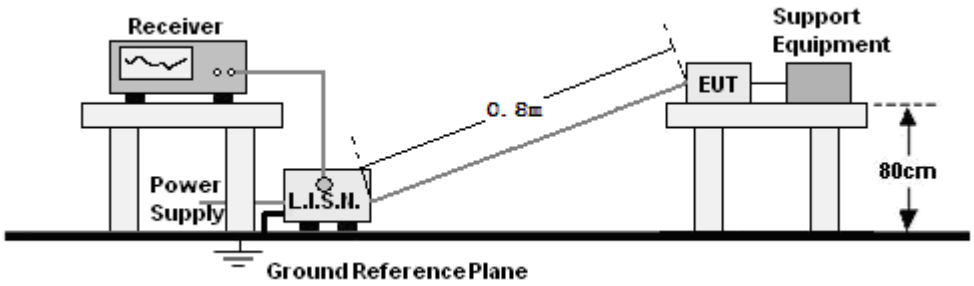
802.11n40, traffic mode; Channel 9

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Antenna Polarity	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type
2452	112.21	-3.20	Horizontal	109.01	/	/	Peak
2452		-3.20	H		/	/	Average
4904	42.72	4.93	H	47.65	74	26.35	Peak
4904		4.93	H		54		Average
7356	44.51	11.83	H	56.34	74	17.66	Peak
7356		11.83	H		54		Average
2462	107.42	-3.20	Vertical	104.22	/	/	Peak
2462		-3.20	V		/	/	Average
4904	41.30	4.93	V	46.23	74	27.77	Peak
4904		4.93	V		54		Average
7356	43.04	11.83	V	54.87	74	19.13	Peak
7356		11.83	V		54		Average

Note: 1, Total=Reading+Correct factor
2, 2452 MHz was fundamental signal which can be ignored.
3, Other harmonics are lower than background noise.

11. AC POWER LINE CONDUCTED EMISSIONS

11.1 TEST SETUP



11.2 LIMITS

Frequency range (MHz)	Limits dB(μV)	
	Quasi-peak	Average
0,15 to 0,50	66 to 56	56 to 46
0,50 to 5	56	46
5 to 30	60	50

NOTE: 1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 to 0.50 MHz.

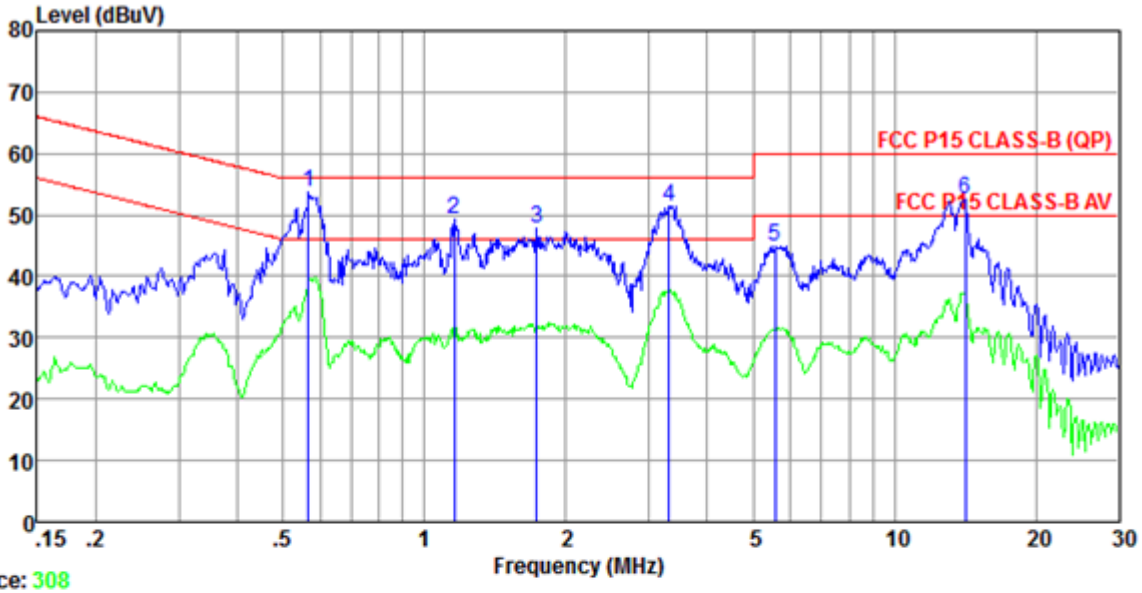
11.3 TEST PROCEDURE

According to description of ANSI C63.4: 2009 sec.13.1.3, the AC power line preliminary conducted emissions measurements were carried out. The preliminary conducted measurements were performed using the spectrum analyzer to observe the emission characteristics of the EUT. The EUT configuration, cable configuration and mode of operation were determined for producing the maximum level of emissions. These configurations were used for final AC power line conducted emissions measurements. The EUT is placed on a non-metallic table 0.8m above the horizontal metal reference ground plane. The EUT is connected to LISN and LISN is connected to the reference ground. All other supplemental devices are connected with EUT through other LISN. The distance between EUT and LISN is 80cm. A radio link is established between EUT and the tester. The output power of the EUT is controlled by the tester and driven to maximum value. An initial pre-scan was performed on the live L line and neutral line with peak detector (9kHz RBW). Both average detector and qausi-peak detector are performed at the frequencies with maximized peak emission.
Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

11.4 RESULTS & PERFORMANCE

Only show the worst test data when EUT was operated on different mode.
EUT operation mode: 11b(Ch1/Ch6/Ch11); 11g(Ch1/Ch6/Ch11); 11n20(Ch1/Ch6/Ch11); 11n40(Ch3/Ch6/Ch9).

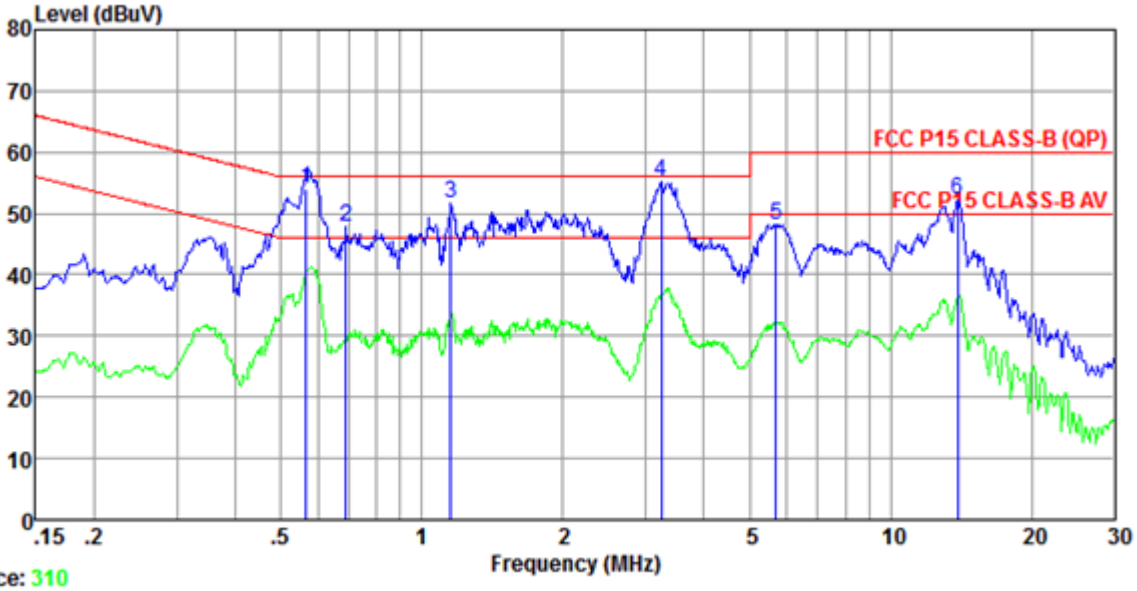
802.11b Ch1



Trace: 308

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(L)-20120730 LINE
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11b CH1
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 pp	0.57	43.20	10.50	0.11	0.00	53.81	56.00	-2.19	Peak
2	1.16	38.51	10.52	0.14	0.00	49.17	56.00	-6.83	Peak
3	1.73	37.25	10.52	0.15	0.00	47.92	56.00	-8.08	Peak
4	3.31	40.73	10.52	0.15	0.00	51.40	56.00	-4.60	Peak
5	5.56	34.24	10.50	0.19	0.00	44.93	60.00	-15.07	Peak
6	14.14	41.94	10.50	0.18	0.00	52.62	60.00	-7.38	Peak

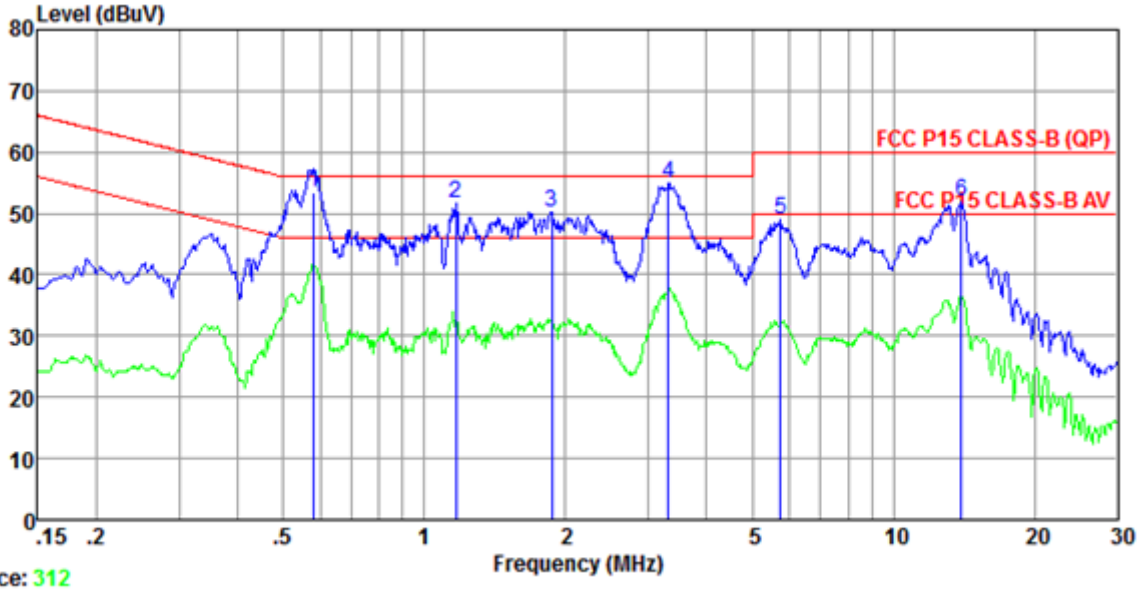


Trace: 310

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(N)-20120730 NEUTRAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11b CH1
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 qp	0.57	43.60	10.38	0.11	0.00	54.09	56.00	-1.91	QP
2	0.69	37.52	10.31	0.12	0.00	47.95	56.00	-8.05	Peak
3	1.15	41.17	10.31	0.14	0.00	51.62	56.00	-4.38	Peak
4 pp	3.24	44.75	10.32	0.15	0.00	55.22	56.00	-0.78	Peak
5	5.68	37.73	10.33	0.20	0.00	48.26	60.00	-11.74	Peak
6	13.91	41.49	10.53	0.20	0.00	52.22	60.00	-7.78	Peak

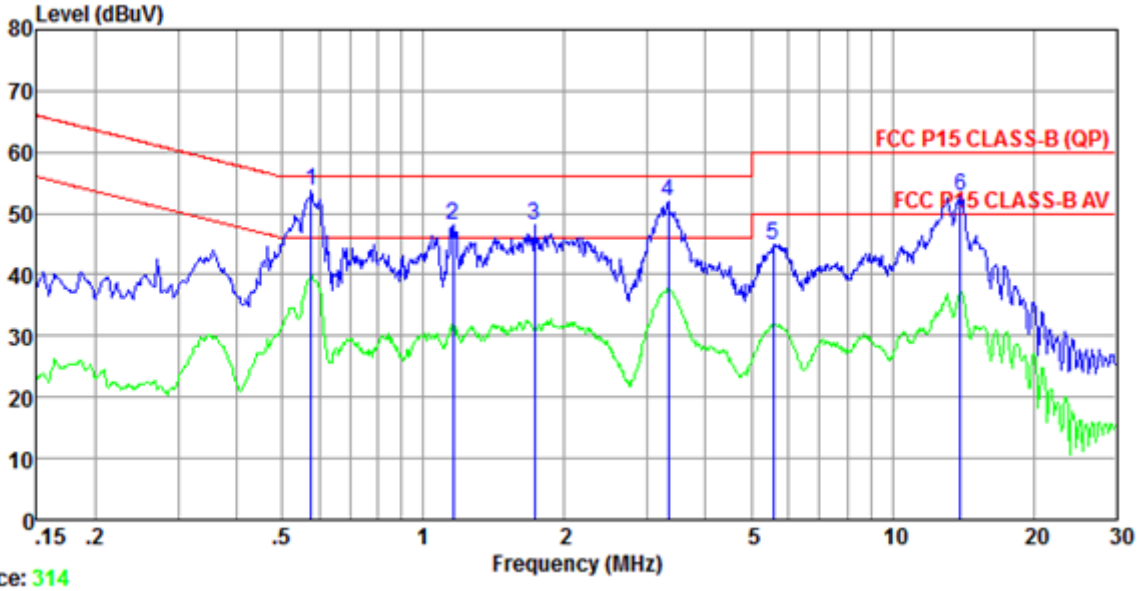
802.11b Ch6



Trace: 312

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(N)-20120730 NEUTRAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11b CH6
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 qp	0.58	42.86	10.37	0.11	0.00	53.34	56.00	-2.66	QP
2	1.17	41.23	10.31	0.14	0.00	51.68	56.00	-4.32	Peak
3	1.87	39.70	10.31	0.15	0.00	50.16	56.00	-5.84	Peak
4 pp	3.31	44.50	10.32	0.15	0.00	54.97	56.00	-1.03	Peak
5	5.74	38.36	10.33	0.21	0.00	48.90	60.00	-11.10	Peak
6	13.99	41.36	10.53	0.20	0.00	52.09	60.00	-7.91	Peak

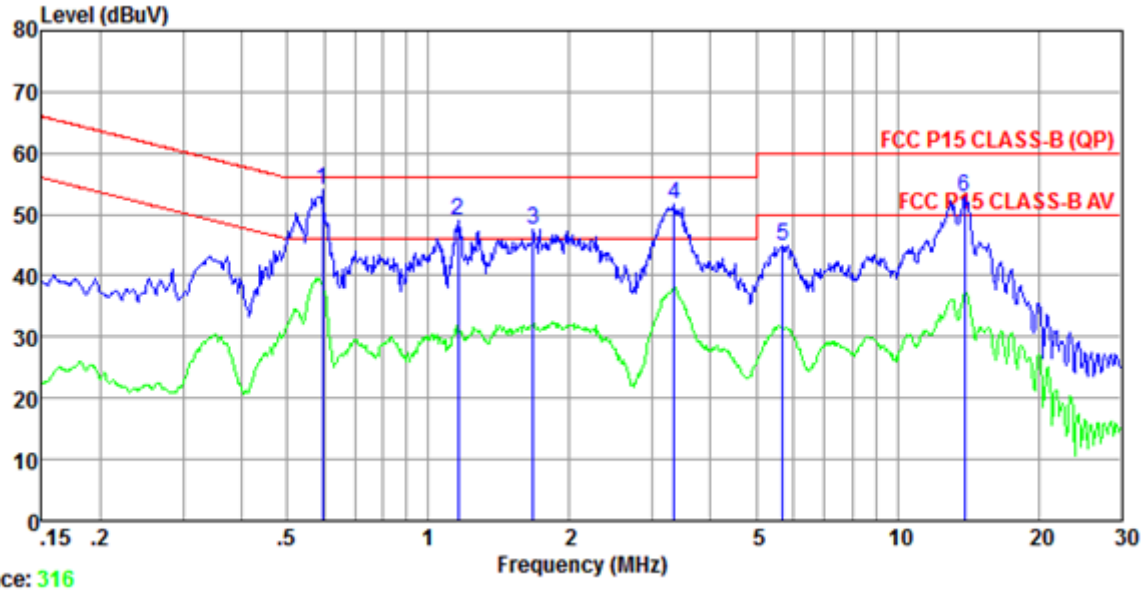


Trace: 314

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(L)-20120730 LINE
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11b CH6
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 pp	0.58	43.16	10.49	0.11	0.00	53.76	56.00	-2.24	Peak
2	1.16	37.49	10.52	0.14	0.00	48.15	56.00	-7.85	Peak
3	1.73	37.42	10.52	0.15	0.00	48.09	56.00	-7.91	Peak
4	3.33	41.20	10.52	0.15	0.00	51.87	56.00	-4.13	Peak
5	5.56	34.20	10.50	0.19	0.00	44.89	60.00	-15.11	Peak
6	13.99	42.07	10.50	0.20	0.00	52.77	60.00	-7.23	Peak

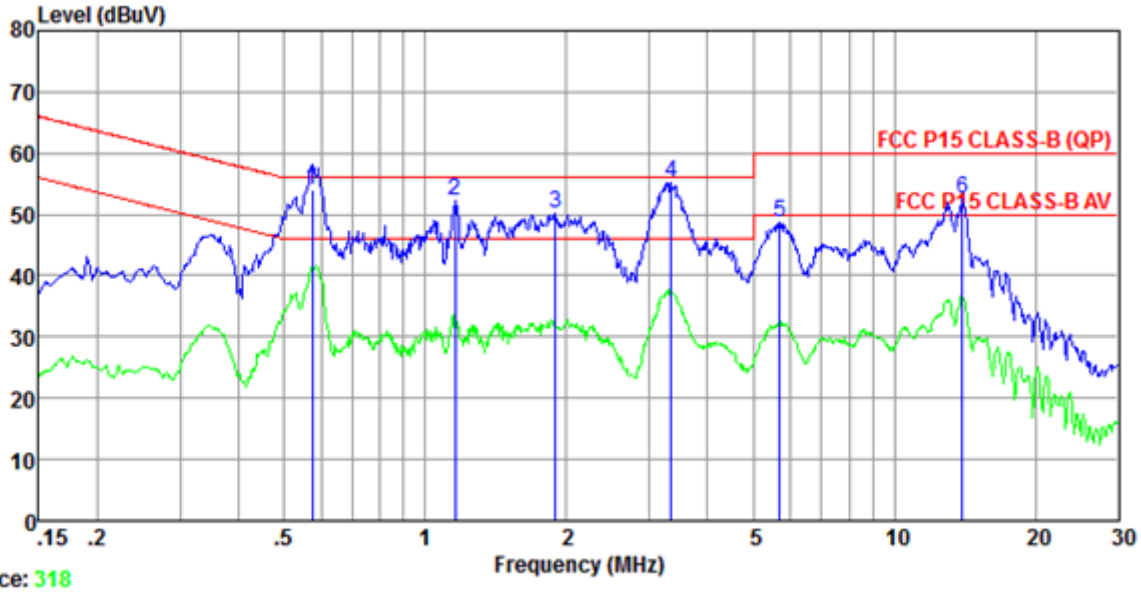
802.11b Ch11



Trace: 316

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(L)-20120730 LINE
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11b CH11
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 pp	0.59	43.49	10.47	0.11	0.00	54.07	56.00	-1.93	Peak
2	1.16	38.24	10.52	0.14	0.00	48.90	56.00	-7.10	Peak
3	1.67	36.86	10.52	0.15	0.00	47.53	56.00	-8.47	Peak
4	3.35	41.01	10.52	0.15	0.00	51.68	56.00	-4.32	Peak
5	5.68	34.15	10.50	0.20	0.00	44.85	60.00	-15.15	Peak
6	13.91	42.21	10.50	0.20	0.00	52.91	60.00	-7.09	Peak

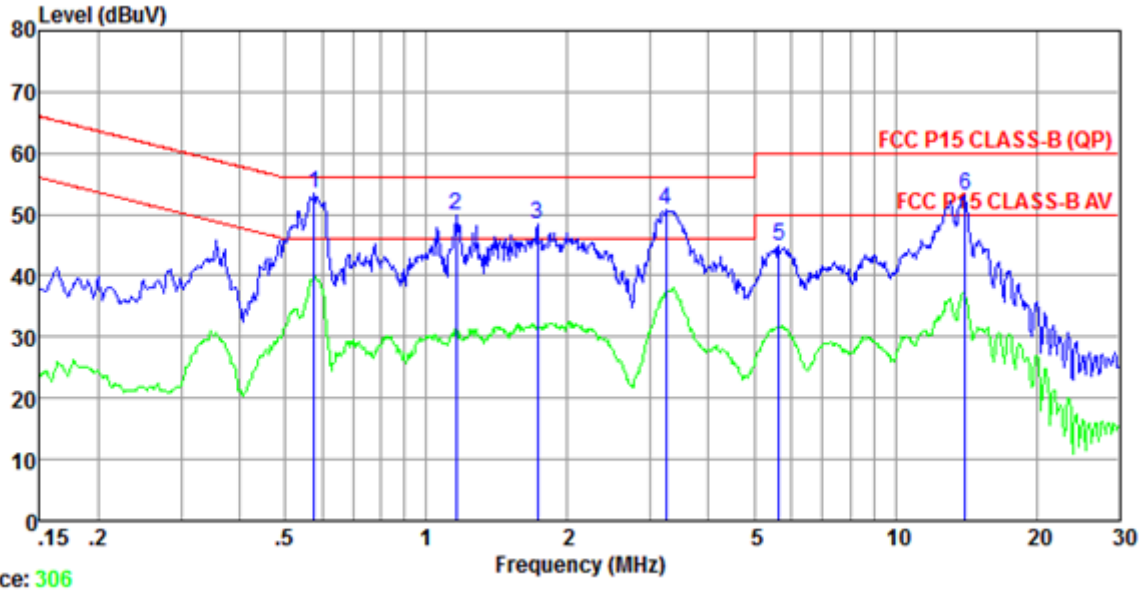


Trace: 318

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(N)-20120730 NEUTRAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11b CH11
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 qp	0.57	43.65	10.37	0.11	0.00	54.13	56.00	-1.87	QP
2	1.16	41.68	10.31	0.14	0.00	52.13	56.00	-3.87	Peak
3	1.90	39.66	10.31	0.15	0.00	50.12	56.00	-5.88	Peak
4 pp	3.35	44.67	10.32	0.15	0.00	55.14	56.00	-0.86	Peak
5	5.68	38.25	10.33	0.20	0.00	48.78	60.00	-11.22	Peak
6	13.99	41.77	10.53	0.20	0.00	52.50	60.00	-7.50	Peak

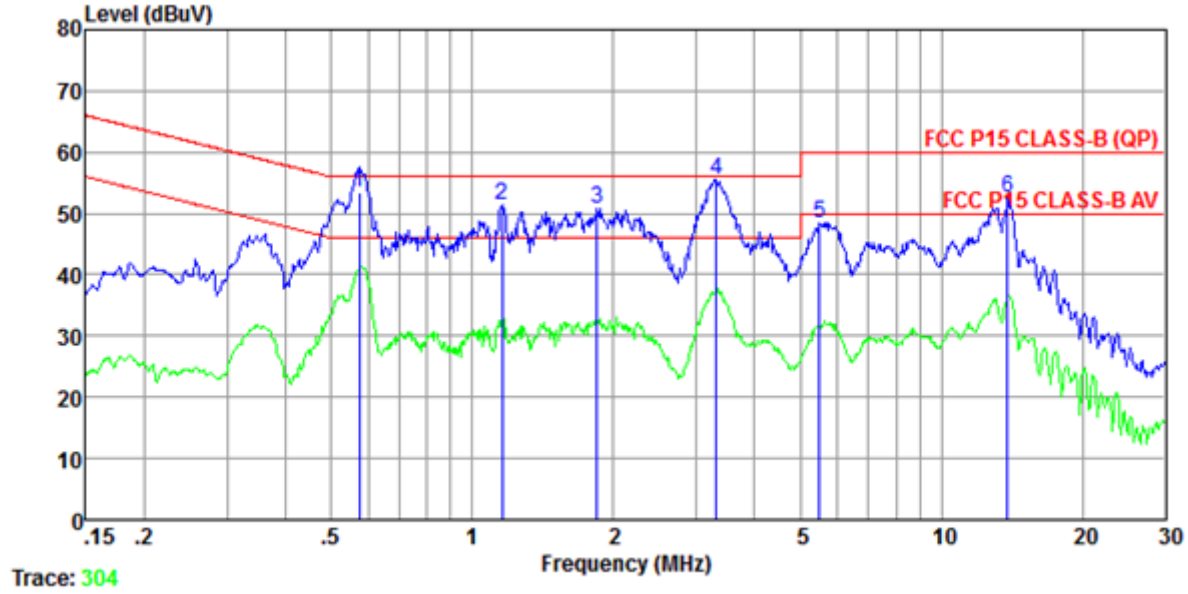
802.11g Ch1



Trace: 306

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(L)-20120730 LINE
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11g CH1
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 pp	0.58	42.94	10.49	0.11	0.00	53.54	56.00	-2.46	Peak
2	1.16	39.31	10.52	0.14	0.00	49.97	56.00	-6.03	Peak
3	1.73	37.60	10.52	0.15	0.00	48.27	56.00	-7.73	Peak
4	3.24	40.21	10.52	0.15	0.00	50.88	56.00	-5.12	Peak
5	5.65	34.28	10.50	0.20	0.00	44.98	60.00	-15.02	Peak
6	14.06	42.45	10.50	0.19	0.00	53.14	60.00	-6.86	Peak

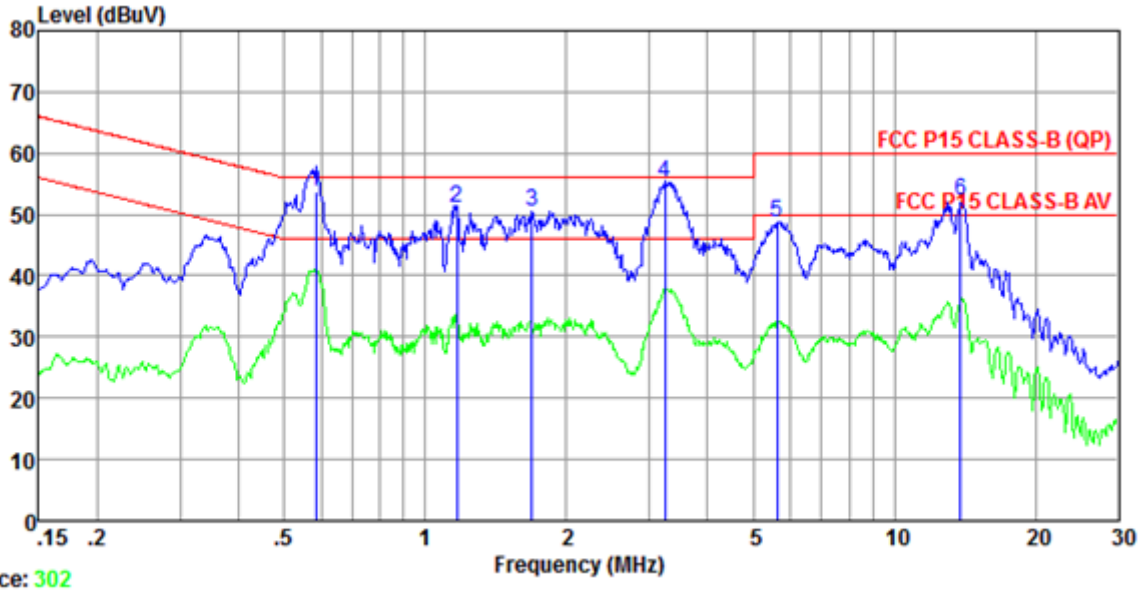


Trace: 304

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(N)-20120730 NEUTRAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11g CH1
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 qp	0.57	42.97	10.37	0.11	0.00	53.45	56.00	-2.55	QP
2	1.16	40.94	10.31	0.14	0.00	51.39	56.00	-4.61	Peak
3	1.85	40.30	10.31	0.15	0.00	50.76	56.00	-5.24	Peak
4 pp	3.31	45.02	10.32	0.15	0.00	55.49	56.00	-0.51	Peak
5	5.51	37.95	10.32	0.19	0.00	48.46	60.00	-11.54	Peak
6	13.84	41.74	10.53	0.21	0.00	52.48	60.00	-7.52	Peak

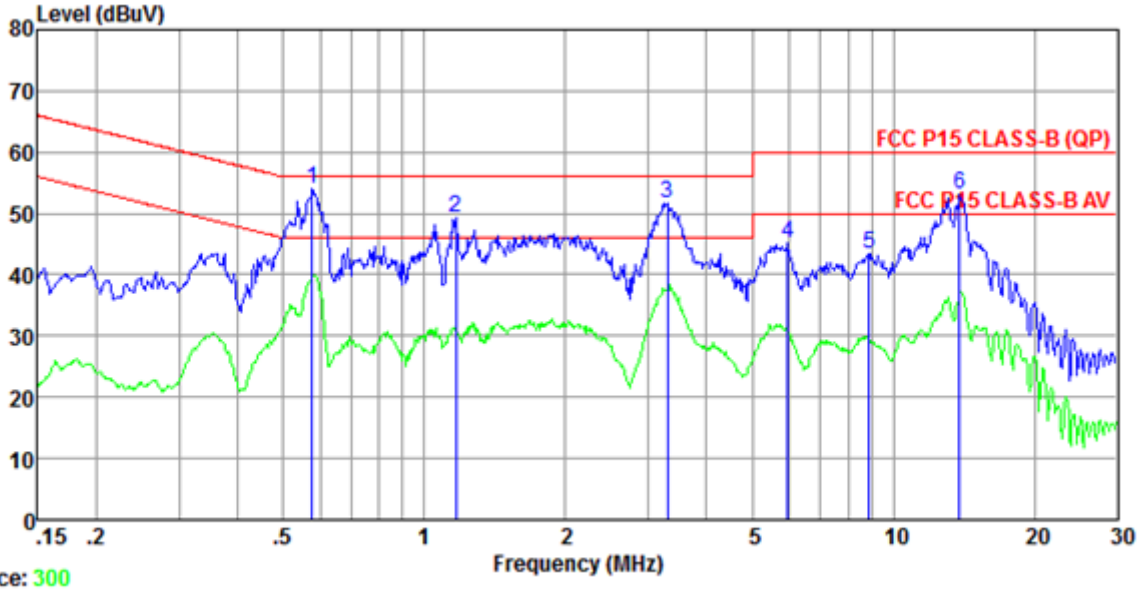
802.11g Ch6



Trace: 302

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(N)-20120730 NEUTRAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11g CH6
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 qp	0.59	43.17	10.36	0.11	0.00	53.64	56.00	-2.36	QP
2	1.17	40.70	10.31	0.14	0.00	51.15	56.00	-4.85	Peak
3	1.69	39.87	10.31	0.15	0.00	50.33	56.00	-5.67	Peak
4 pp	3.24	44.81	10.32	0.15	0.00	55.28	56.00	-0.72	Peak
5	5.62	38.14	10.33	0.20	0.00	48.67	60.00	-11.33	Peak
6	13.84	41.37	10.53	0.21	0.00	52.11	60.00	-7.89	Peak

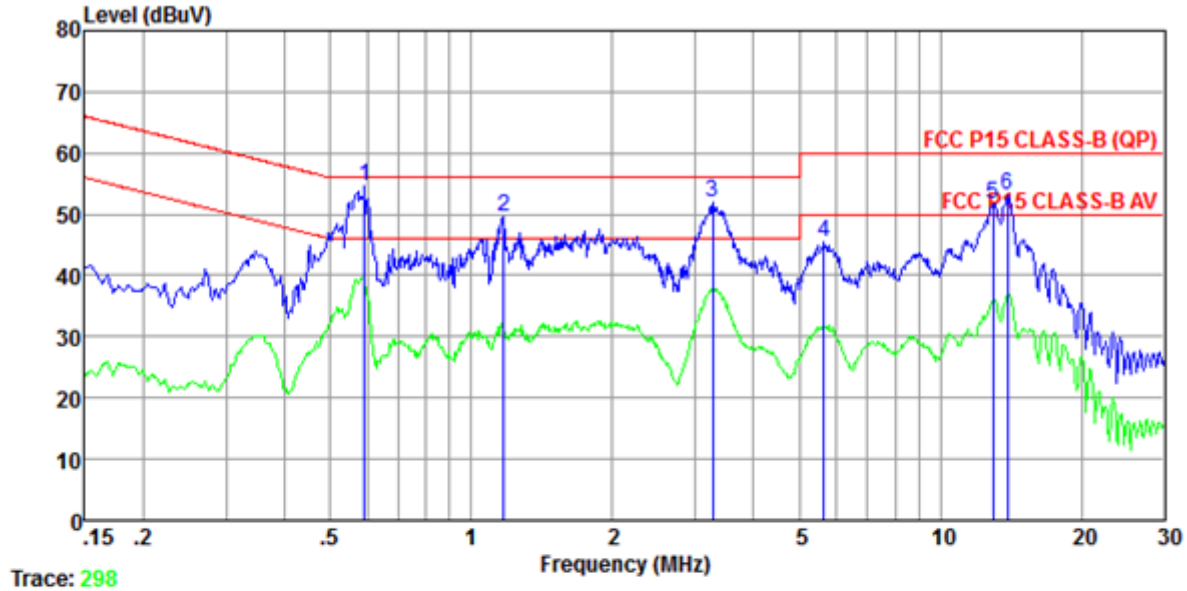


Trace: 300

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(L)-20120730 LINE
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11g CH6
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 pp	0.58	43.29	10.49	0.11	0.00	53.89	56.00	-2.11	Peak
2	1.17	38.58	10.52	0.14	0.00	49.24	56.00	-6.76	Peak
3	3.29	41.11	10.52	0.15	0.00	51.78	56.00	-4.22	Peak
4	5.96	34.57	10.49	0.23	0.00	45.29	60.00	-14.71	Peak
5	8.87	32.82	10.42	0.26	0.00	43.50	60.00	-16.50	Peak
6	13.84	42.30	10.50	0.21	0.00	53.01	60.00	-6.99	Peak

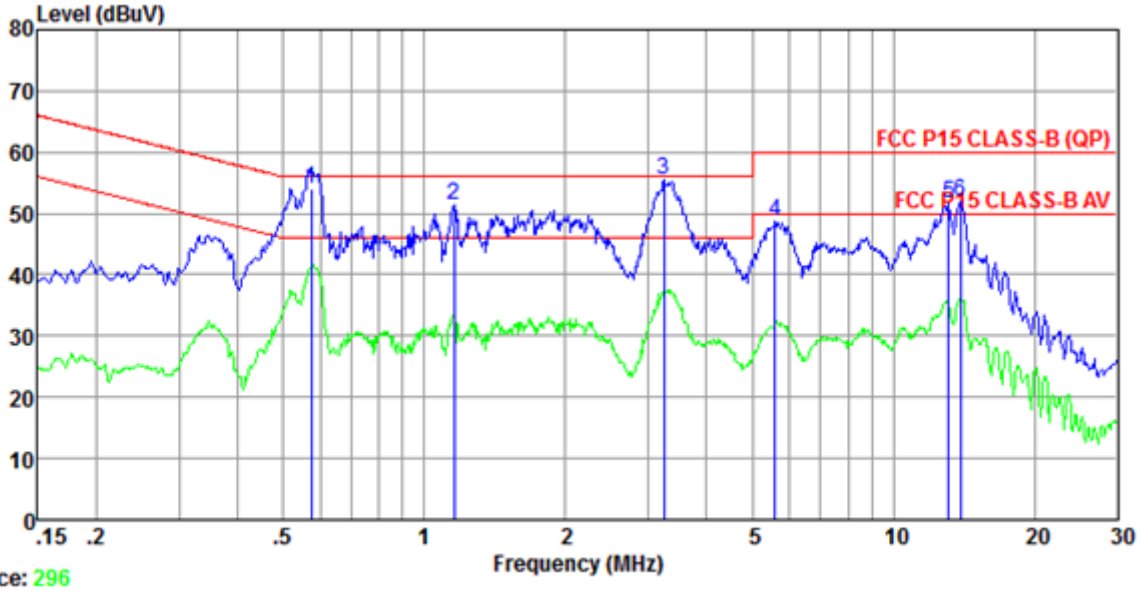
802.11g Ch11



Trace: 298

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(L)-20120730 LINE
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11g CH11
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 pp	0.59	43.89	10.47	0.11	0.00	54.47	56.00	-1.53	Peak
2	1.17	38.81	10.52	0.14	0.00	49.47	56.00	-6.53	Peak
3	3.28	41.25	10.52	0.15	0.00	51.92	56.00	-4.08	Peak
4	5.65	34.70	10.50	0.20	0.00	45.40	60.00	-14.60	Peak
5	12.92	40.95	10.48	0.30	0.00	51.73	60.00	-8.27	Peak
6	13.91	42.36	10.50	0.20	0.00	53.06	60.00	-6.94	Peak

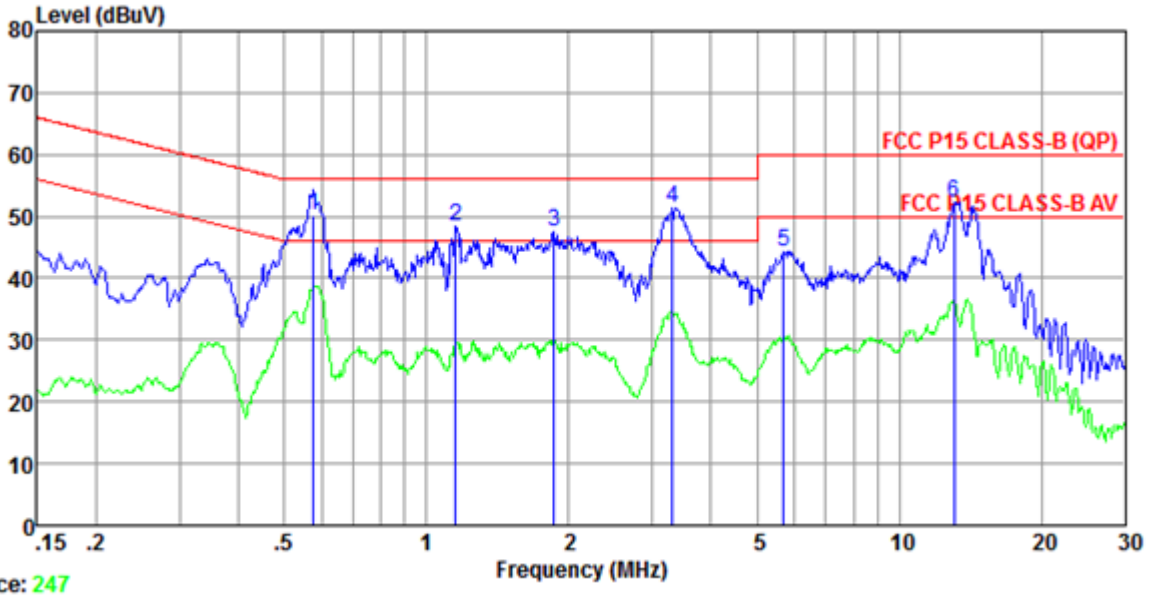


Trace: 296

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(N)-20120730 NEUTRAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11g CH11
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 qp	0.57	43.59	10.37	0.11	0.00	54.07	56.00	-1.93	QP
2	1.16	40.77	10.31	0.14	0.00	51.22	56.00	-4.78	Peak
3 pp	3.24	44.95	10.32	0.15	0.00	55.42	56.00	-0.58	Peak
4	5.59	38.12	10.32	0.19	0.00	48.63	60.00	-11.37	Peak
5	13.13	40.92	10.50	0.28	0.00	51.70	60.00	-8.30	Peak
6	13.91	41.17	10.53	0.20	0.00	51.90	60.00	-8.10	Peak

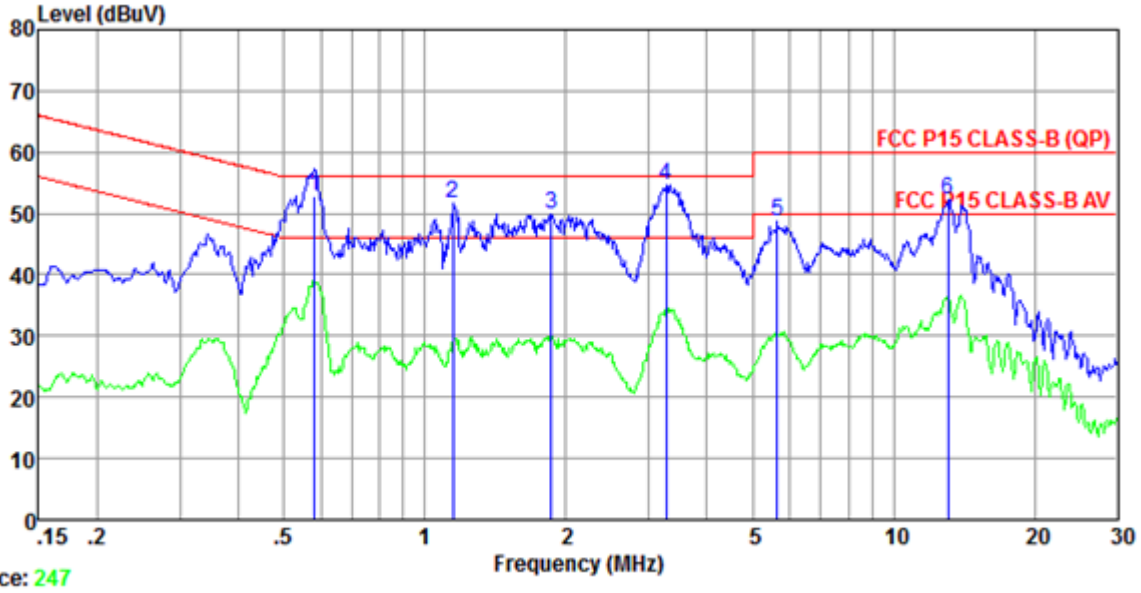
802.11n20 Ch1



Trace: 247

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(L)-20120730 LINE
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n20 CH1
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 qp	0.58	39.58	10.49	0.11	0.00	50.18	56.00	-5.82	QP
2	1.15	37.85	10.52	0.14	0.00	48.51	56.00	-7.49	Peak
3	1.86	36.72	10.52	0.15	0.00	47.39	56.00	-8.61	Peak
4 pp	3.31	40.74	10.52	0.15	0.00	51.41	56.00	-4.59	Peak
5	5.68	33.71	10.50	0.20	0.00	44.41	60.00	-15.59	Peak
6	13.06	41.51	10.48	0.29	0.00	52.28	60.00	-7.72	Peak

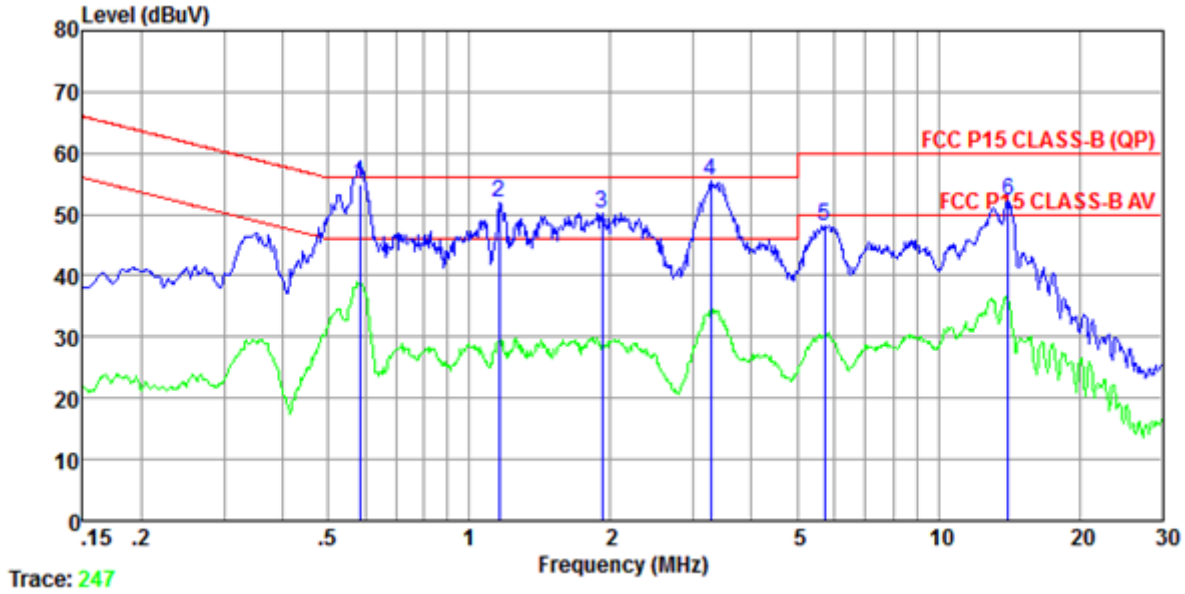


Trace: 247

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(N)-20120730 NEUTRAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n20 CH1
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 qp	0.58	42.32	10.37	0.11	0.00	52.80	56.00	-3.20	QP
2	1.15	41.32	10.31	0.14	0.00	51.77	56.00	-4.23	Peak
3	1.86	39.43	10.31	0.15	0.00	49.89	56.00	-6.11	Peak
4 pp	3.28	44.08	10.32	0.15	0.00	54.55	56.00	-1.45	Peak
5	5.65	38.21	10.33	0.20	0.00	48.74	60.00	-11.26	Peak
6	13.06	41.43	10.49	0.29	0.00	52.21	60.00	-7.79	Peak

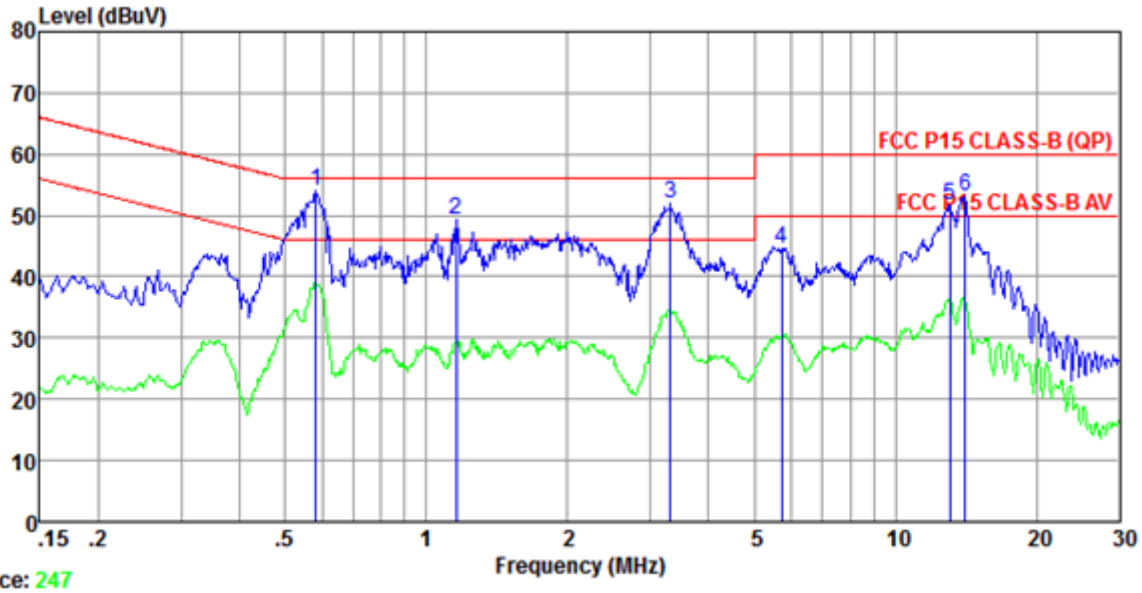
802.11n20 Ch6



Trace: 247

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(N)-20120730 NEUTRAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n20 CH6
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 qp	0.59	44.29	10.36	0.11	0.00	54.76	56.00	-1.24	QP
2	1.16	41.57	10.31	0.14	0.00	52.02	56.00	-3.98	Peak
3	1.92	39.85	10.31	0.15	0.00	50.31	56.00	-5.69	Peak
4 pp	3.28	44.91	10.32	0.15	0.00	55.38	56.00	-0.62	Peak
5	5.71	37.68	10.33	0.20	0.00	48.21	60.00	-11.79	Peak
6	14.06	41.54	10.53	0.19	0.00	52.26	60.00	-7.74	Peak

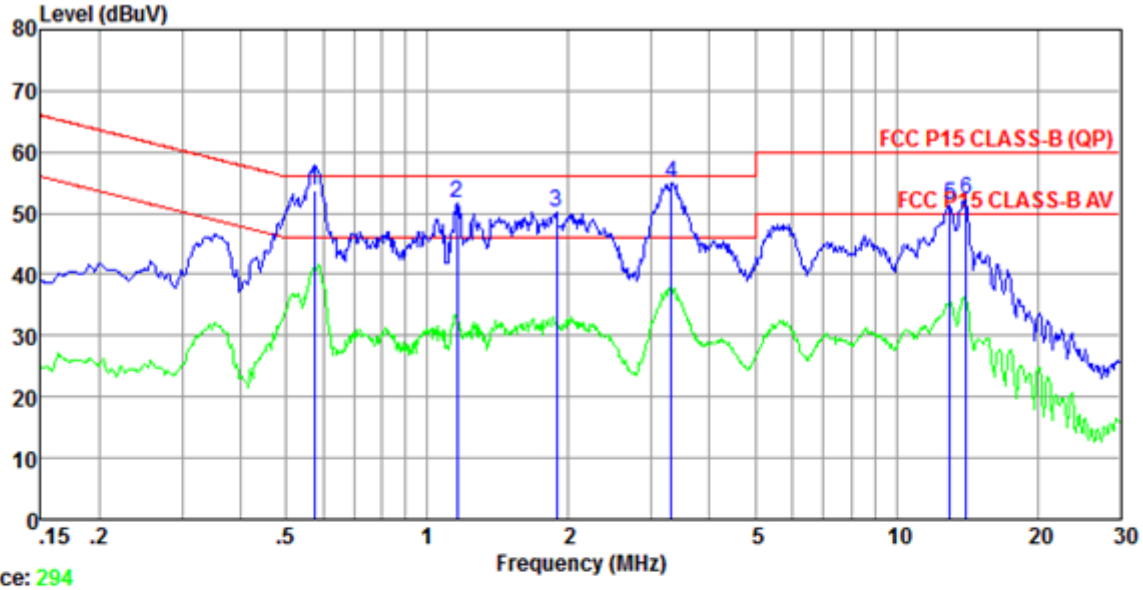


Trace: 247

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(L)-20120730 LINE
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n20 CH6
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 pp	0.58	43.44	10.48	0.11	0.00	54.03	56.00	-1.97	Peak
2	1.16	38.74	10.52	0.14	0.00	49.40	56.00	-6.60	Peak
3	3.31	41.28	10.52	0.15	0.00	51.95	56.00	-4.05	Peak
4	5.71	33.90	10.50	0.20	0.00	44.60	60.00	-15.40	Peak
5	13.06	40.95	10.48	0.29	0.00	51.72	60.00	-8.28	Peak
6	14.06	42.46	10.50	0.19	0.00	53.15	60.00	-6.85	Peak

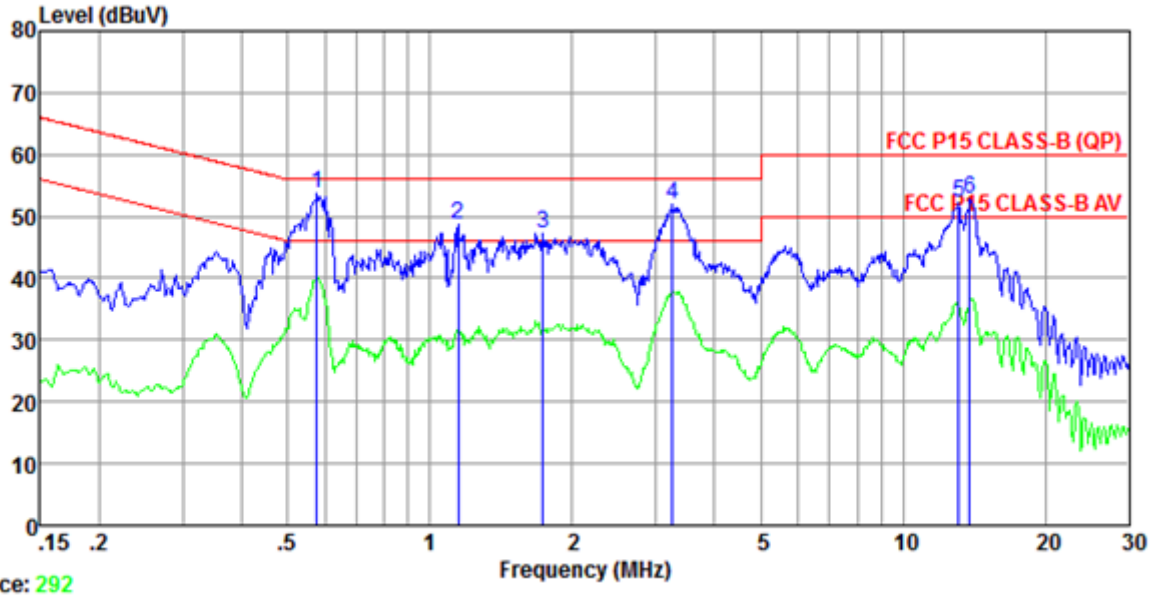
802.11n20 Ch11



Trace: 294

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(N)-20120730 NEUTRAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n20 CH11
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 qp	0.57	43.19	10.37	0.11	0.00	53.67	56.00	-2.33	QP
2	1.16	41.21	10.31	0.14	0.00	51.66	56.00	-4.34	Peak
3	1.89	39.70	10.31	0.15	0.00	50.16	56.00	-5.84	Peak
4 pp	3.31	44.46	10.32	0.15	0.00	54.93	56.00	-1.07	Peak
5	12.99	40.49	10.49	0.29	0.00	51.27	60.00	-8.73	Peak
6	14.06	41.67	10.53	0.19	0.00	52.39	60.00	-7.61	Peak

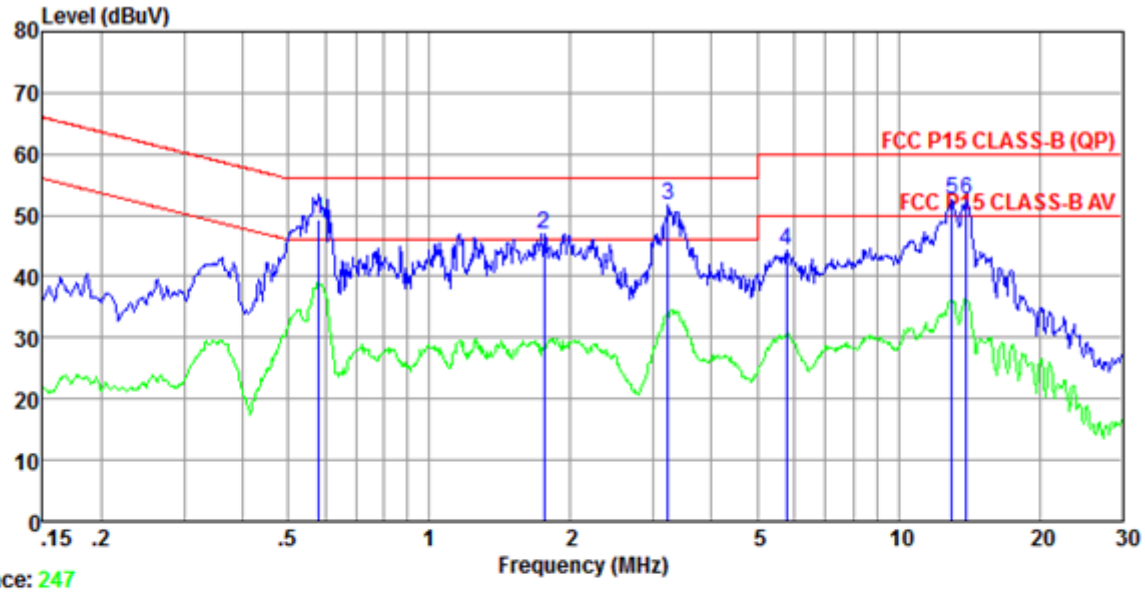


Trace: 292

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(L)-20120730 LINE
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n20 CH11
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 pp	0.58	43.10	10.49	0.11	0.00	53.70	56.00	-2.30	Peak
2	1.15	38.12	10.52	0.14	0.00	48.78	56.00	-7.22	Peak
3	1.73	36.56	10.52	0.15	0.00	47.23	56.00	-8.77	Peak
4	3.26	41.32	10.52	0.15	0.00	51.99	56.00	-4.01	Peak
5	13.13	41.41	10.48	0.28	0.00	52.17	60.00	-7.83	Peak
6	13.84	42.13	10.50	0.21	0.00	52.84	60.00	-7.16	Peak

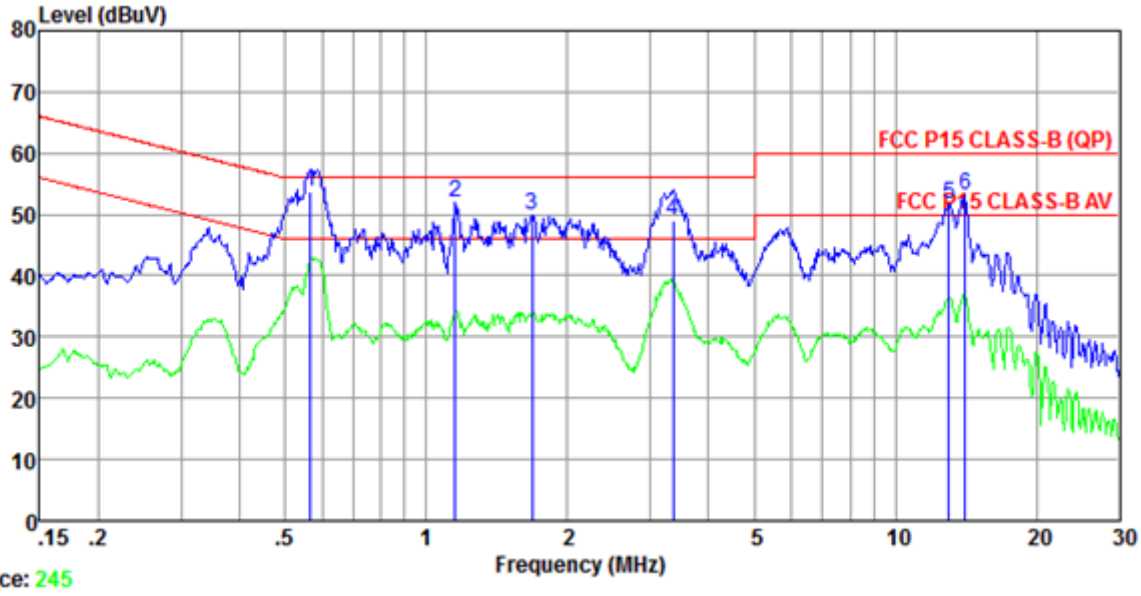
802.11n40 Ch3



Trace: 247

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(L)-20120730 LINE
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n40 CH3
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 qp	0.58	38.59	10.48	0.11	0.00	49.18	56.00	-6.82	QP
2	1.75	36.39	10.52	0.15	0.00	47.06	56.00	-8.94	Peak
3 pp	3.22	40.98	10.52	0.15	0.00	51.65	56.00	-4.35	Peak
4	5.77	33.71	10.50	0.21	0.00	44.42	60.00	-15.58	Peak
5	12.99	41.71	10.48	0.29	0.00	52.48	60.00	-7.52	Peak
6	13.99	41.76	10.50	0.20	0.00	52.46	60.00	-7.54	Peak

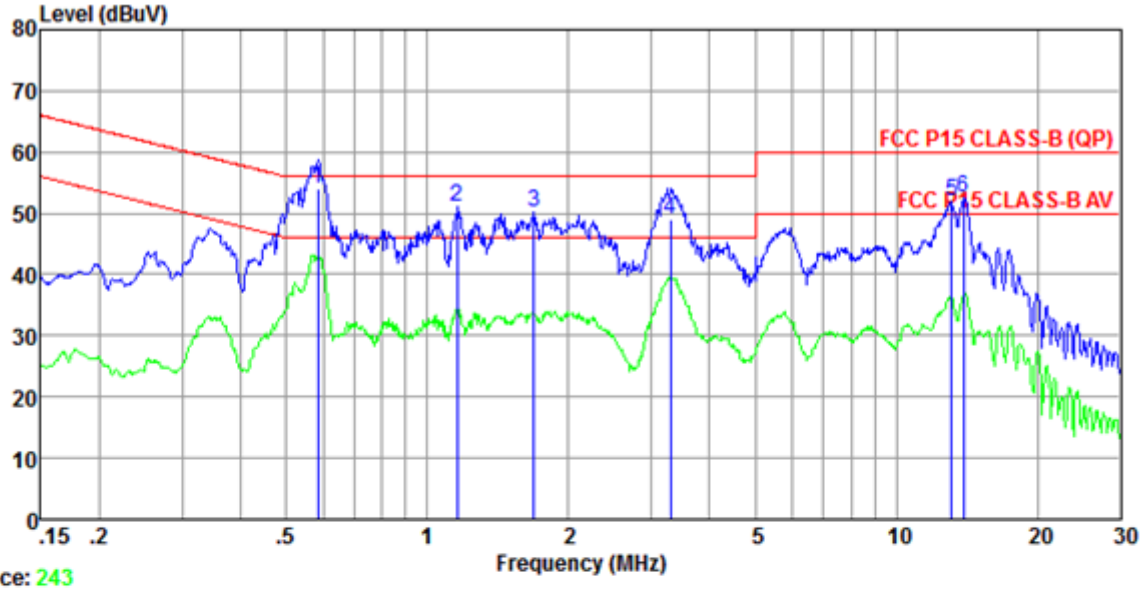


Trace: 245

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(N)-20120730 NEUTRAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n40 CH3
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 pp	0.57	43.24	10.38	0.11	0.00	53.73	56.00	-2.27	QP
2 pk	1.15	41.38	10.31	0.14	0.00	51.83	56.00	-4.17	Peak
3	1.68	39.37	10.31	0.15	0.00	49.83	56.00	-6.17	Peak
4	3.36	38.51	10.32	0.15	0.00	48.98	56.00	-7.02	QP
5	12.99	40.90	10.49	0.29	0.00	51.68	60.00	-8.32	Peak
6	14.06	42.31	10.53	0.19	0.00	53.03	60.00	-6.97	Peak

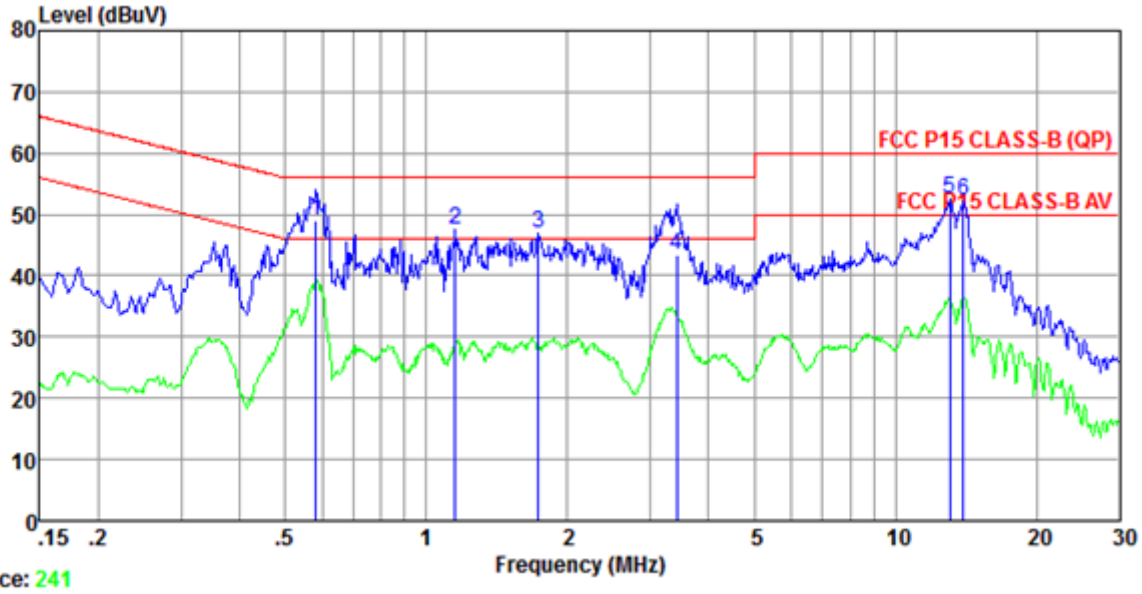
802.11n40 Ch6



Trace: 243

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(N)-20120730 NEUTRAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n40 CH6
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 pp	0.59	43.58	10.36	0.11	0.00	54.05	56.00	-1.95	QP
2 pk	1.16	40.52	10.31	0.14	0.00	50.97	56.00	-5.03	Peak
3	1.69	39.61	10.31	0.15	0.00	50.07	56.00	-5.93	Peak
4	3.29	38.60	10.32	0.15	0.00	49.07	56.00	-6.93	QP
5	13.13	41.18	10.50	0.28	0.00	51.96	60.00	-8.04	Peak
6	13.91	41.68	10.53	0.20	0.00	52.41	60.00	-7.59	Peak

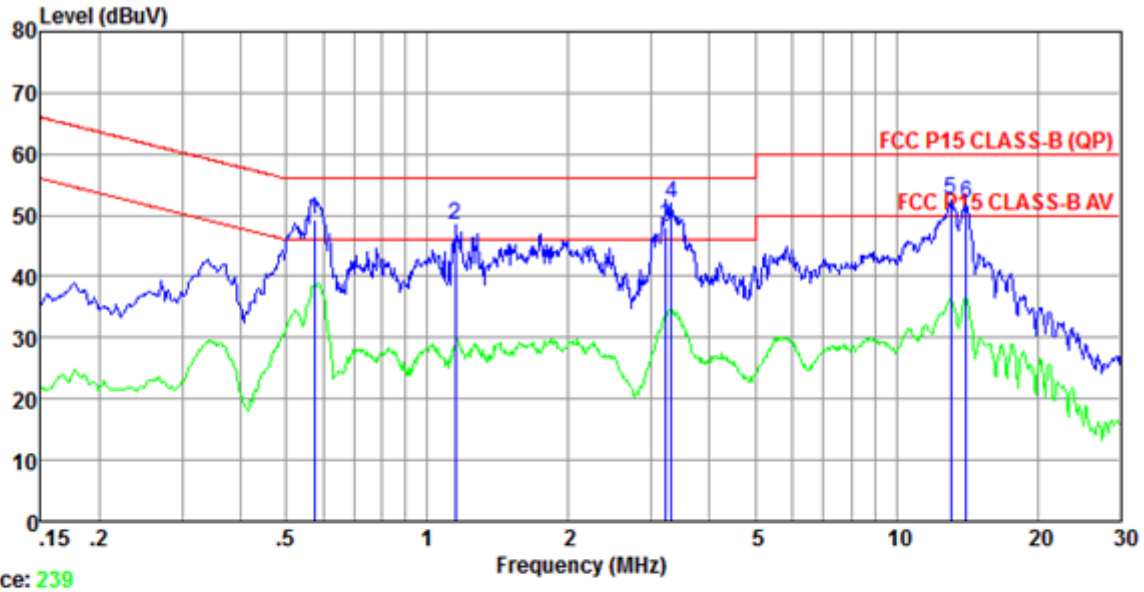


Trace: 241

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(L)-20120730 LINE
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n40 CH6
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 pp	0.58	38.50	10.48	0.11	0.00	49.09	56.00	-6.91	QP
2	1.15	36.85	10.52	0.14	0.00	47.51	56.00	-8.49	Peak
3	1.73	36.31	10.52	0.15	0.00	46.98	56.00	-9.02	Peak
4	3.42	32.83	10.52	0.15	0.00	43.50	56.00	-12.50	QP
5 pk	13.06	41.66	10.48	0.29	0.00	52.43	60.00	-7.57	Peak
6	13.99	41.45	10.50	0.20	0.00	52.15	60.00	-7.85	Peak

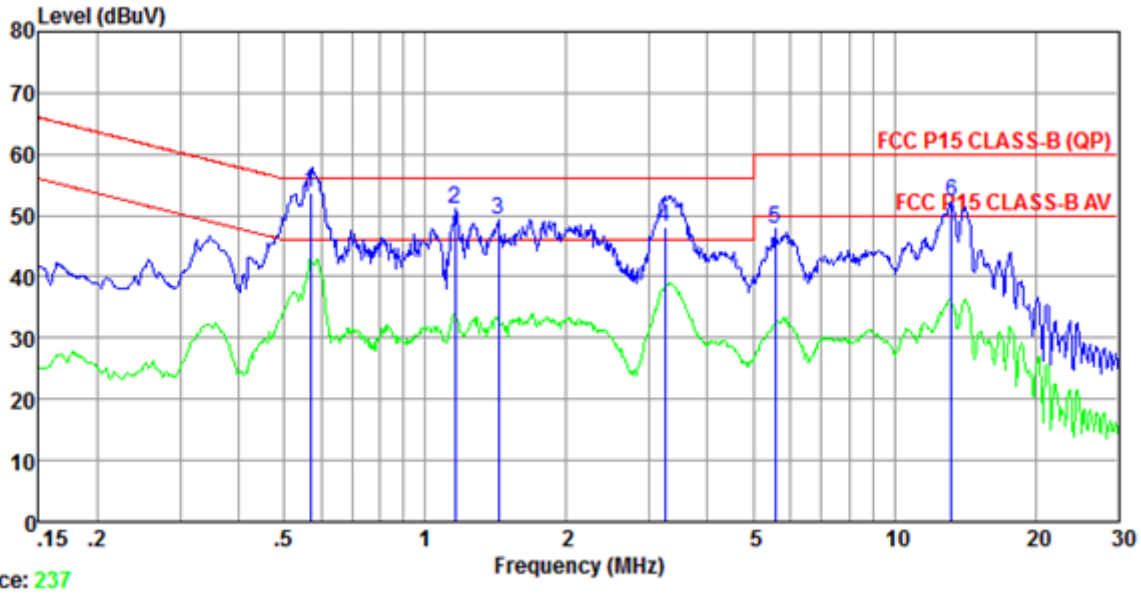
802.11n40 Ch9



Trace: 239

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(L)-20120730 LINE
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n40 CH9
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 qp	0.57	38.58	10.49	0.11	0.00	49.18	56.00	-6.82	QP
2	1.15	37.77	10.52	0.14	0.00	48.43	56.00	-7.57	Peak
3	3.22	37.56	10.52	0.15	0.00	48.23	56.00	-7.77	QP
4 pp	3.31	41.38	10.52	0.15	0.00	52.05	56.00	-3.95	Peak
5	13.06	41.69	10.48	0.29	0.00	52.46	60.00	-7.54	Peak
6	14.06	41.29	10.50	0.19	0.00	51.98	60.00	-8.02	Peak



Trace: 237

Site : chamber
Condition : FCC P15 CLASS-B (QP) ENV216(N)-20120730 NEUTRAL
EUT :
Model Name :
Temp/Humi : 23 ℃ / 54 %
Power Rating: AC 120V/60HZ
Mode : 802.11n40 CH9
Memo :

	Freq	Read Level	LISN Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1 pp	0.57	43.12	10.37	0.11	0.00	53.60	56.00	-2.40	QP
2 pk	1.16	40.59	10.31	0.14	0.00	51.04	56.00	-4.96	Peak
3	1.43	38.97	10.31	0.14	0.00	49.42	56.00	-6.58	Peak
4	3.24	37.68	10.32	0.15	0.00	48.15	56.00	-7.85	QP
5	5.56	37.41	10.32	0.19	0.00	47.92	60.00	-12.08	Peak
6	13.27	41.50	10.50	0.27	0.00	52.27	60.00	-7.73	Peak

APPENDIX 1 PHOTOGRAPHS OF TEST SETUP

Please refer to the file named “Part22&24 15C Setup Photos”.

APPENDIX 2 PHOTOGRAPHS OF EUT

Please refer to the files named “EUT External Photos” and “EUT Internal Photos”.

----End of the report----