

6a.4 Power Line Conducted Spurious Voltage -- Pursuant 47 CFR 15.207Conducted voltage limits:

-Per 47 CFR 15.207

This radio product can transmit in 800-900 MHz band and in 1900 MHz GSM/PCS band while resting in a battery charger that is connected to the AC power line. Each figure contains two measurement traces in addition to the two applicable limit lines (black traces), the higher being applicable to measurements utilizing a quasi-peak detector and the lower being applicable to measurements utilizing an average detector. The upper data trace (light blue) portrays the amplitude of the voltage measured during sweeping with a peak detector while the lower trace (light green) represents the amplitude of the voltage measured using an average detector. These detectors facilitated the measurement process. Measurements with a quasi-peak detector lie between these bounds.

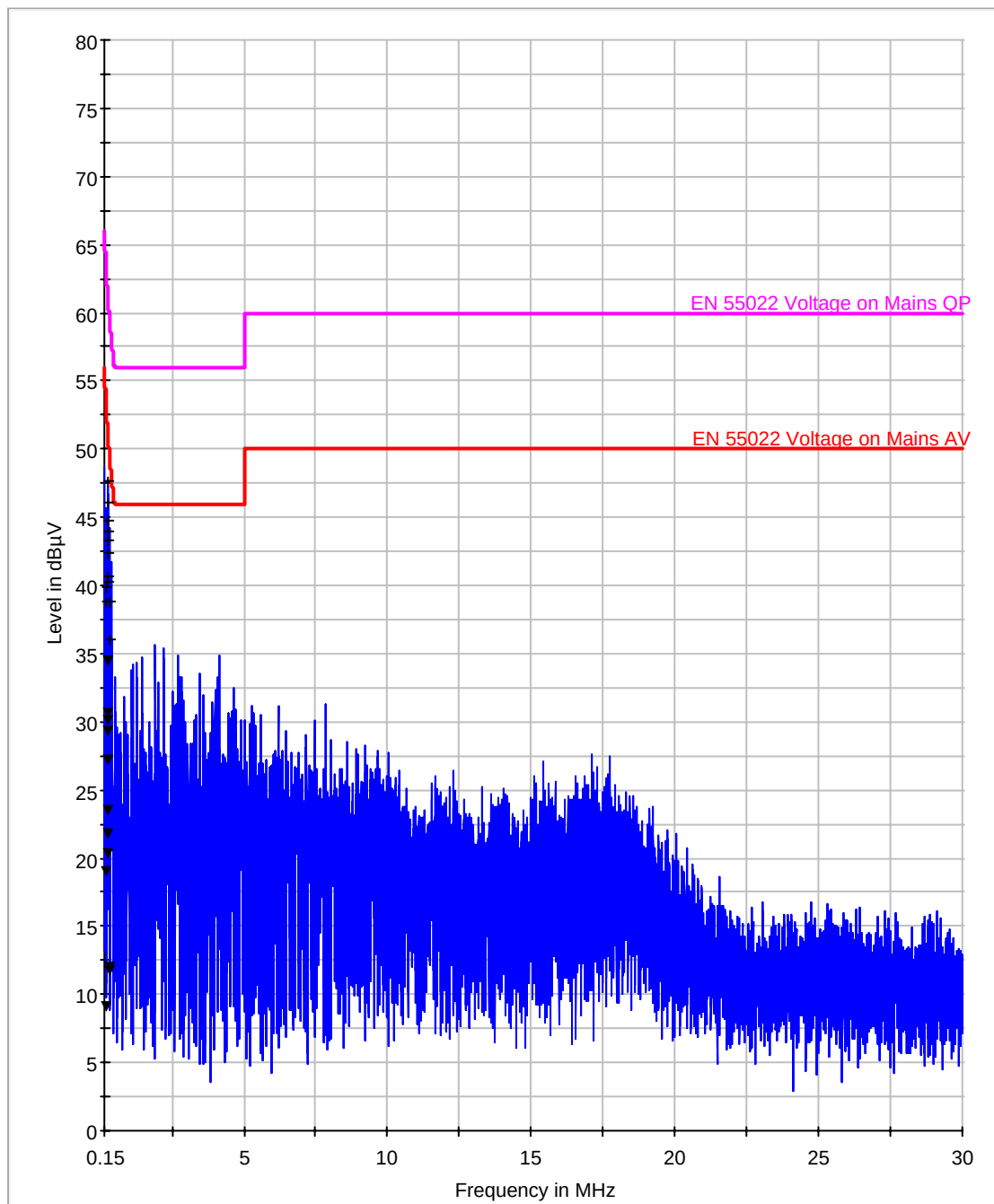
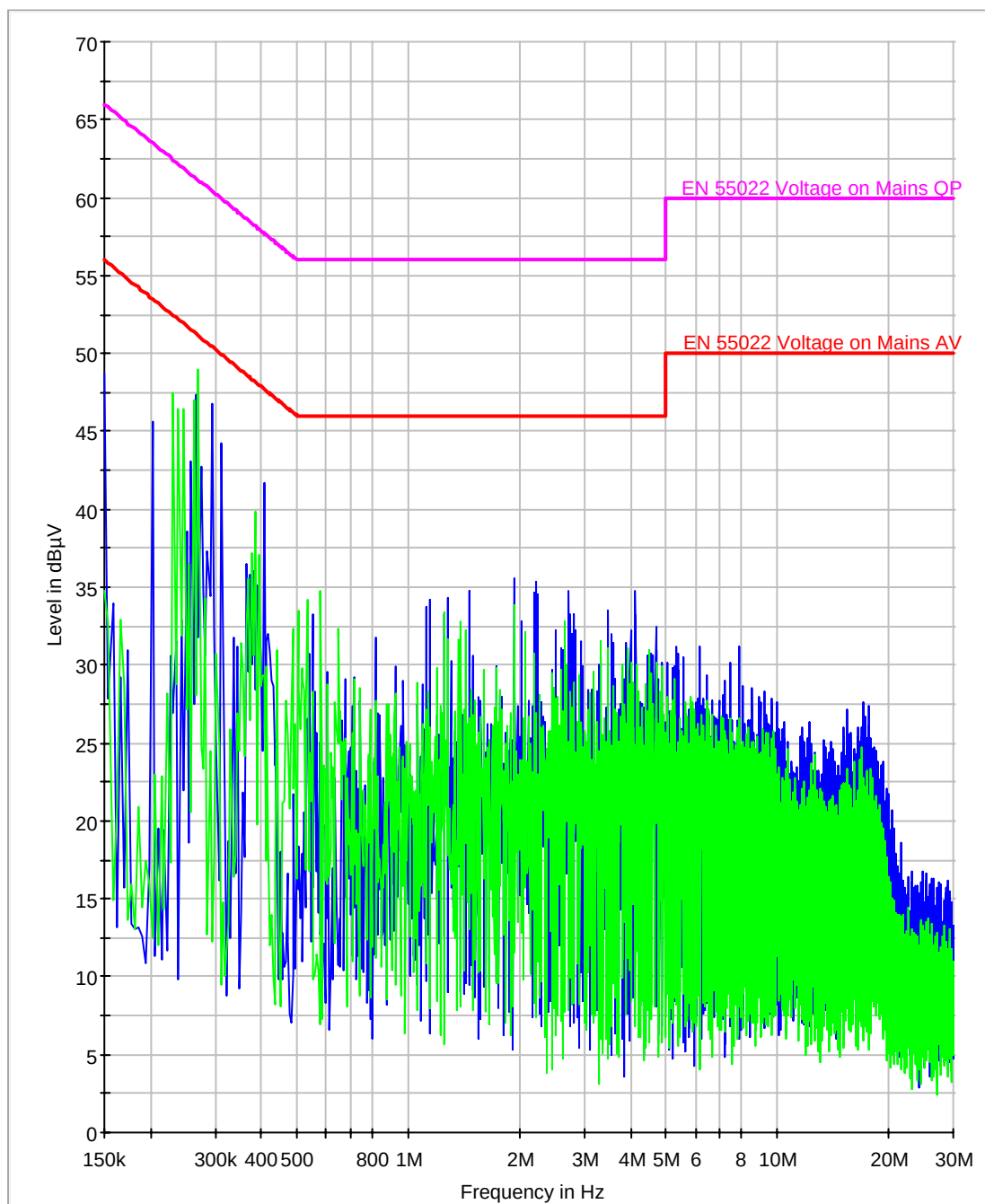


Figure 6-94. Mains Voltage with Peak and Average Detector



**Figure 6-95: Phase Line Voltage with a Peak and Average Detector
(Radio in transmit mode at 806.0625 MHz) N (Green) L1 (Blue)**

Frequency							
<= 500kHz	QP Value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
230000	38.80	63.70	24.90	19.00	53.70	34.70	L1
262000	43.40	62.78	19.38	29.30	52.78	23.48	L1
266000	44.80	62.67	17.87	30.70	52.67	21.97	L1
270000	47.60	62.55	14.95	34.50	52.55	18.05	L1
294000	40.20	61.86	21.66	21.70	51.86	30.16	L1
310000	38.80	61.40	22.60	12.00	51.40	39.40	L1
230000	39.80	63.70	23.90	9.10	53.70	44.60	N
262000	42.40	62.78	20.38	23.50	52.78	29.28	N
266000	44.00	62.67	18.67	27.20	52.67	25.47	N
270000	46.10	62.55	16.45	30.10	52.55	22.45	N
294000	40.60	61.86	21.26	20.40	51.86	31.46	N
310000	36.10	61.40	25.30	11.70	51.40	39.70	N

**Table 6-3: Line Voltage Data- Quasi-Peak and Average
(Radio in transmit mode at 806.0625 MHz)**