

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 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 (pink and red 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.

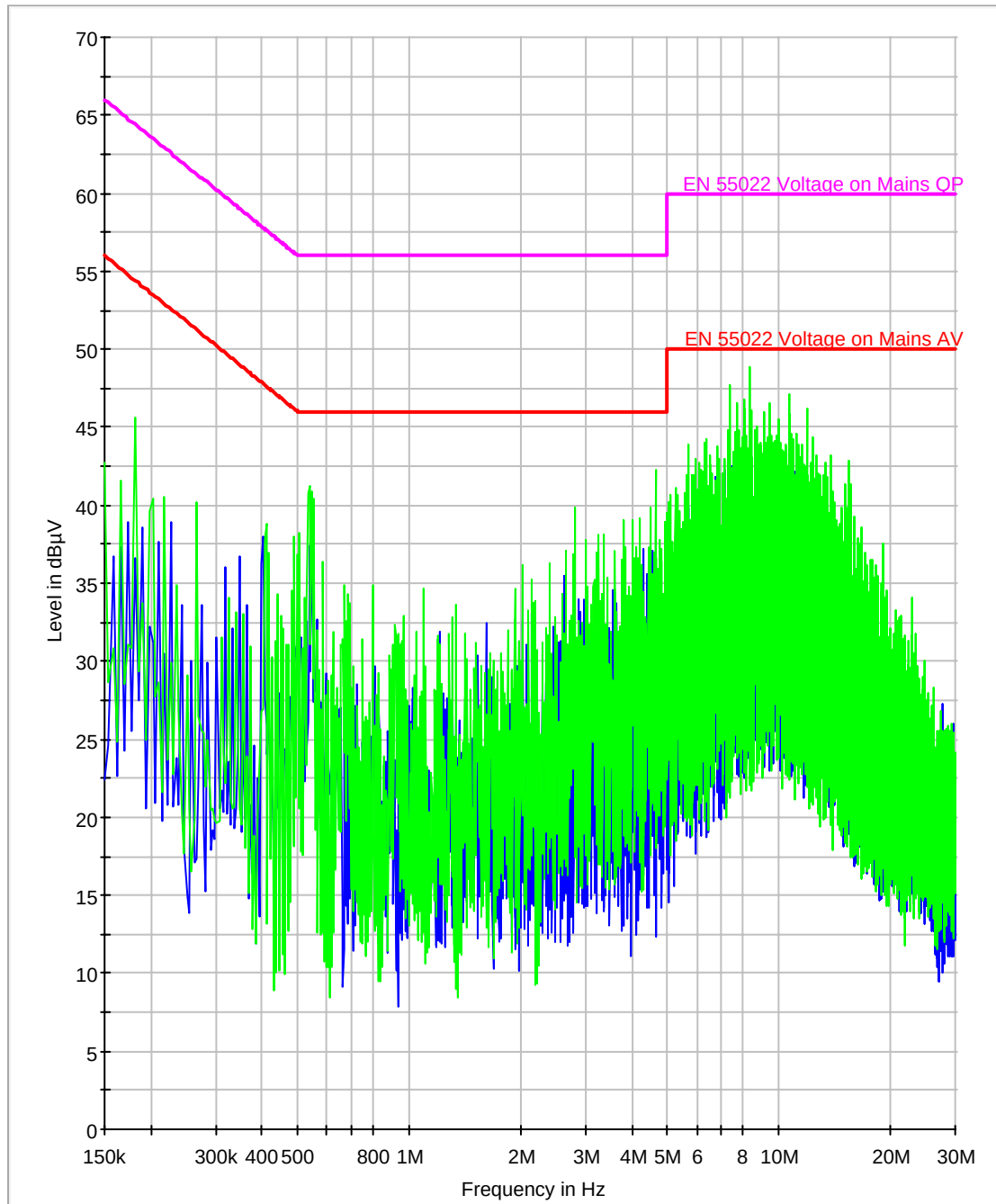


Figure 6a-4.1: iDEN Phase Line and Neutral Line Voltage with a Peak and Average Detector N (Green) L1 (Blue)

Tx 806.0625MHz Limits

Frequency							
<= 500kHz	QP value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
150000	36.20	66.00	29.80	18.80	56.00	37.20	L1
166000	37.10	65.54	28.44	23.60	55.54	31.94	L1
174000	37.60	65.31	27.71	21.60	55.31	33.71	L1
182000	39.40	65.08	25.68	27.10	55.08	27.98	L1
190000	38.00	64.85	26.85	24.00	54.85	30.85	L1
202000	36.00	64.51	28.51	19.80	54.51	34.71	L1
150000	37.10	66.00	28.90	21.60	56.00	34.40	N
166000	38.30	65.54	27.24	26.00	55.54	29.54	N
174000	38.10	65.31	27.21	23.50	55.31	31.81	N
182000	40.90	65.08	24.18	29.00	55.08	26.08	N
190000	38.00	64.85	26.85	23.10	54.85	31.75	N
202000	36.90	64.51	27.61	21.80	54.51	32.71	N
5MHz - 30MHz							
7406000	33.6000	60.0000	26.4000	20.6000	50.0000	29.4000	L1
8346000	34.7000	60.0000	25.3000	21.6000	50.0000	28.4000	L1
7406000	37.0000	60.0000	23.0000	27.3000	50.0000	22.7000	N
8346000	38.2000	60.0000	21.8000	28.1000	50.0000	21.9000	N

Table 6a-4.2: Line Voltage Data- Quasi-Peak and Average