

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.

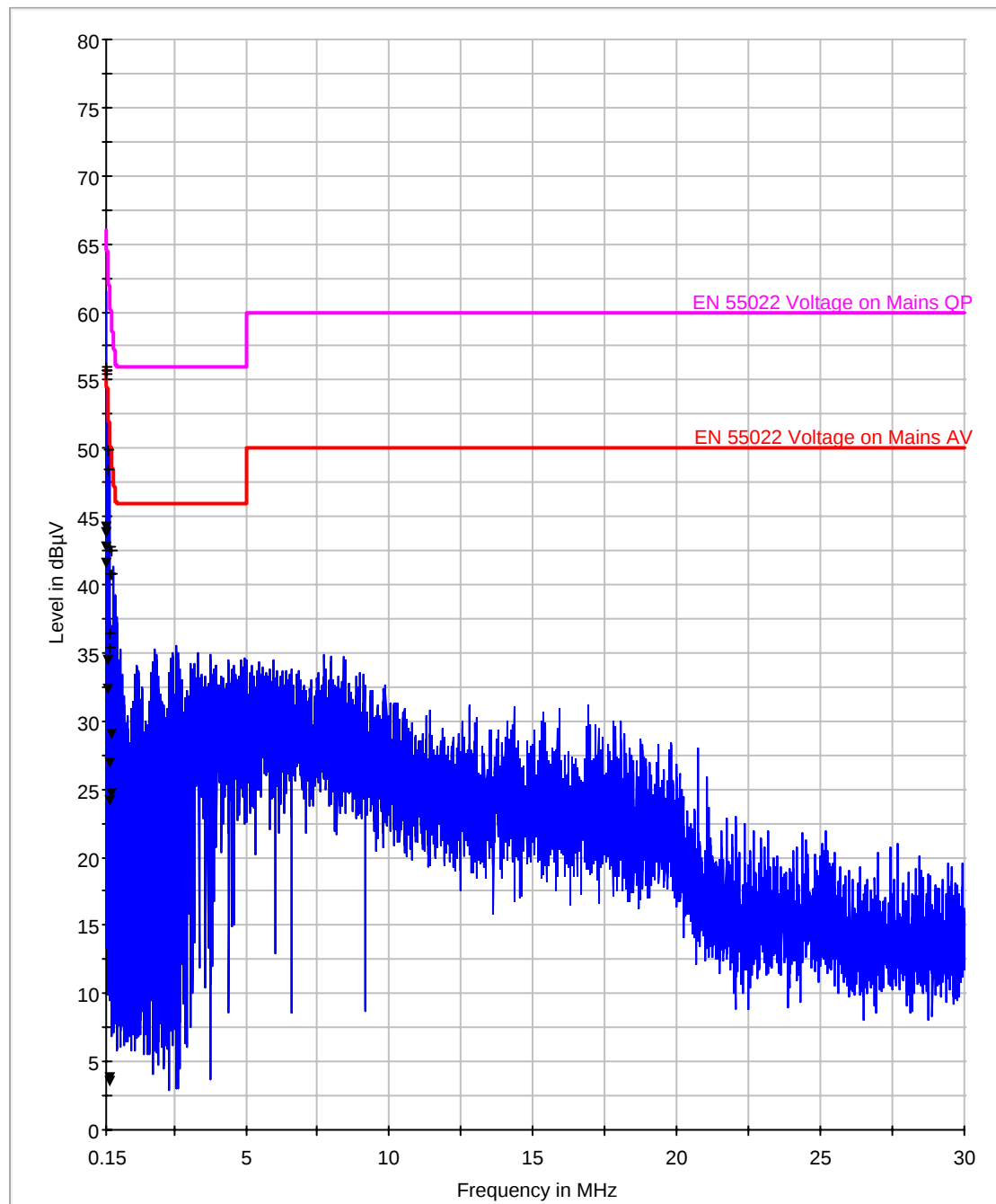


Figure 6a-4.1. iDEN Mains Voltage with Peak and Average Detector

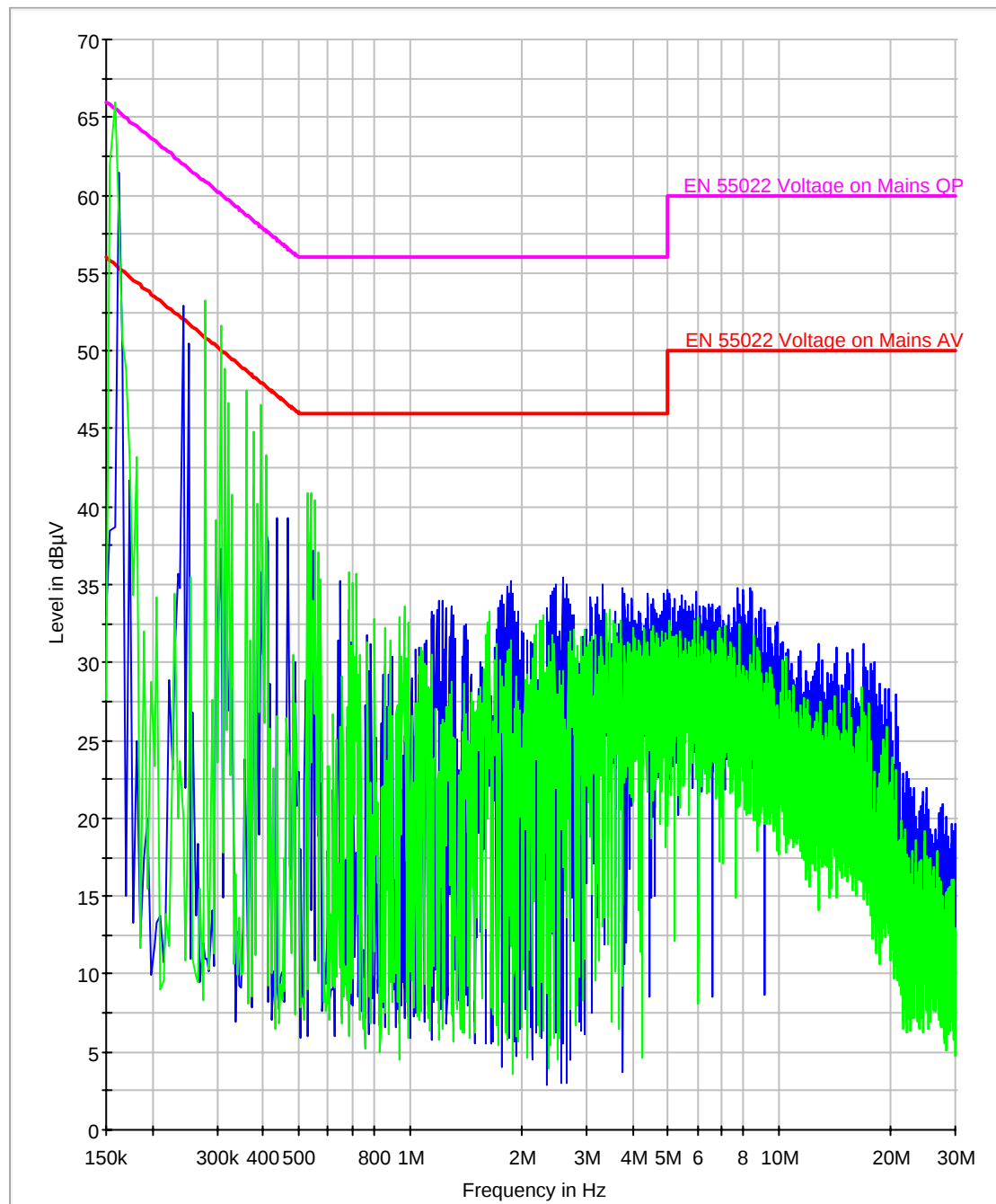


Figure 6a-4.2: iDEN Phase Line and Neutral Line Voltage with a Peak and Average Detector N (Green) L1 (Blue)

Frequency	All units are dB μ V						
<= 500kHz	QP Value	QP Limit	QP Margin	Avg Value	Avg Limit	Avg Margin	Ph
158000	55.80	65.77	9.97	44.30	55.77	11.47	L1
162000	56.00	65.66	9.66	43.80	55.66	11.86	L1
242000	49.90	63.36	13.46	34.40	53.36	18.96	L1
278000	36.40	62.32	25.92	3.80	52.32	48.52	L1
306000	42.80	61.52	18.72	26.90	51.52	24.62	L1
314000	42.50	61.29	18.79	29.00	51.29	22.29	L1
158000	55.40	65.77	10.37	41.70	55.77	14.07	N
162000	55.70	65.66	9.96	42.80	55.66	12.86	N
242000	48.40	63.36	14.96	32.30	53.36	21.06	N
278000	35.40	62.32	26.92	3.60	52.32	48.72	N
306000	40.80	61.52	20.72	24.20	51.52	27.32	N
314000	40.70	61.29	20.59	24.60	51.29	26.69	N

Table 6a-4.3: Line Voltage Data- Quasi-Peak and Average