

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 and 900 MHz SMR bands 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.

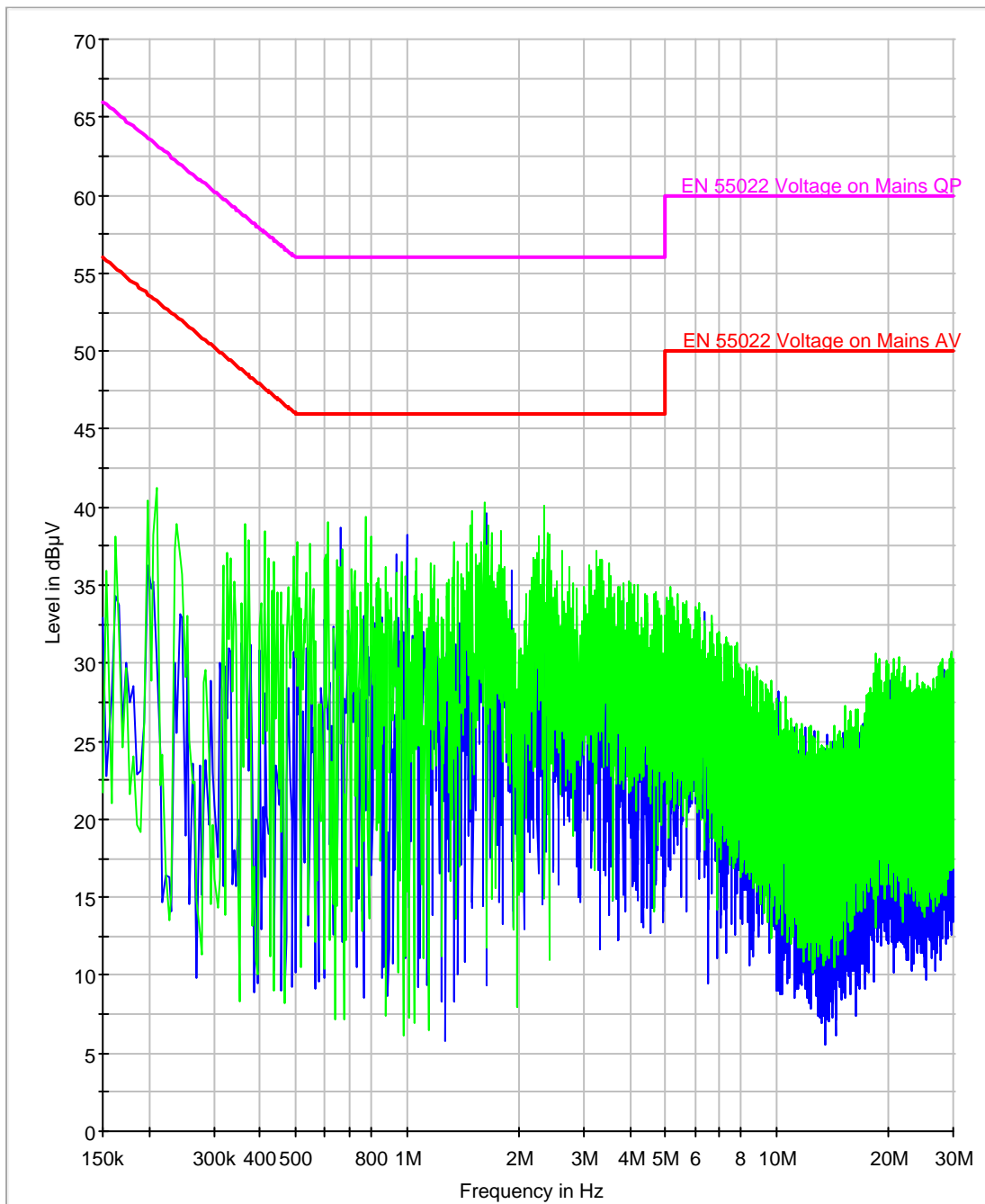


Figure 6a-4.1: iDEN Phase Line and Neutral Line Voltage with a Peak and Average Detector N (Green) L1 (Blue)

Result Table_Single Radio TX 806.0625 MHz

Frequency							
<= 500kHz	QP value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
154000	31.20	65.89	34.69	21.60	55.89	34.29	L1
162000	33.50	65.66	32.16	28.80	55.66	26.86	L1
198000	34.70	64.62	29.92	28.00	54.62	26.62	L1
210000	35.20	64.28	29.08	27.20	54.28	27.08	L1
238000	30.60	63.47	32.87	22.70	53.47	30.77	L1
366000	30.70	59.79	29.09	23.80	49.79	25.99	L1
154000	35.10	65.89	30.79	24.50	55.89	31.39	N
162000	37.60	65.66	28.06	33.60	55.66	22.06	N
198000	38.80	64.62	25.82	31.70	54.62	22.92	N
210000	38.30	64.28	25.98	27.50	54.28	26.78	N
238000	34.90	63.47	28.57	25.90	53.47	27.57	N
366000	35.60	59.79	24.19	27.00	49.79	22.79	N
154000	31.20	65.89	34.69	21.60	55.89	34.29	L1
162000	33.50	65.66	32.16	28.80	55.66	26.86	L1

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