

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

This radio product can transmit in MOTotalk ISM 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.

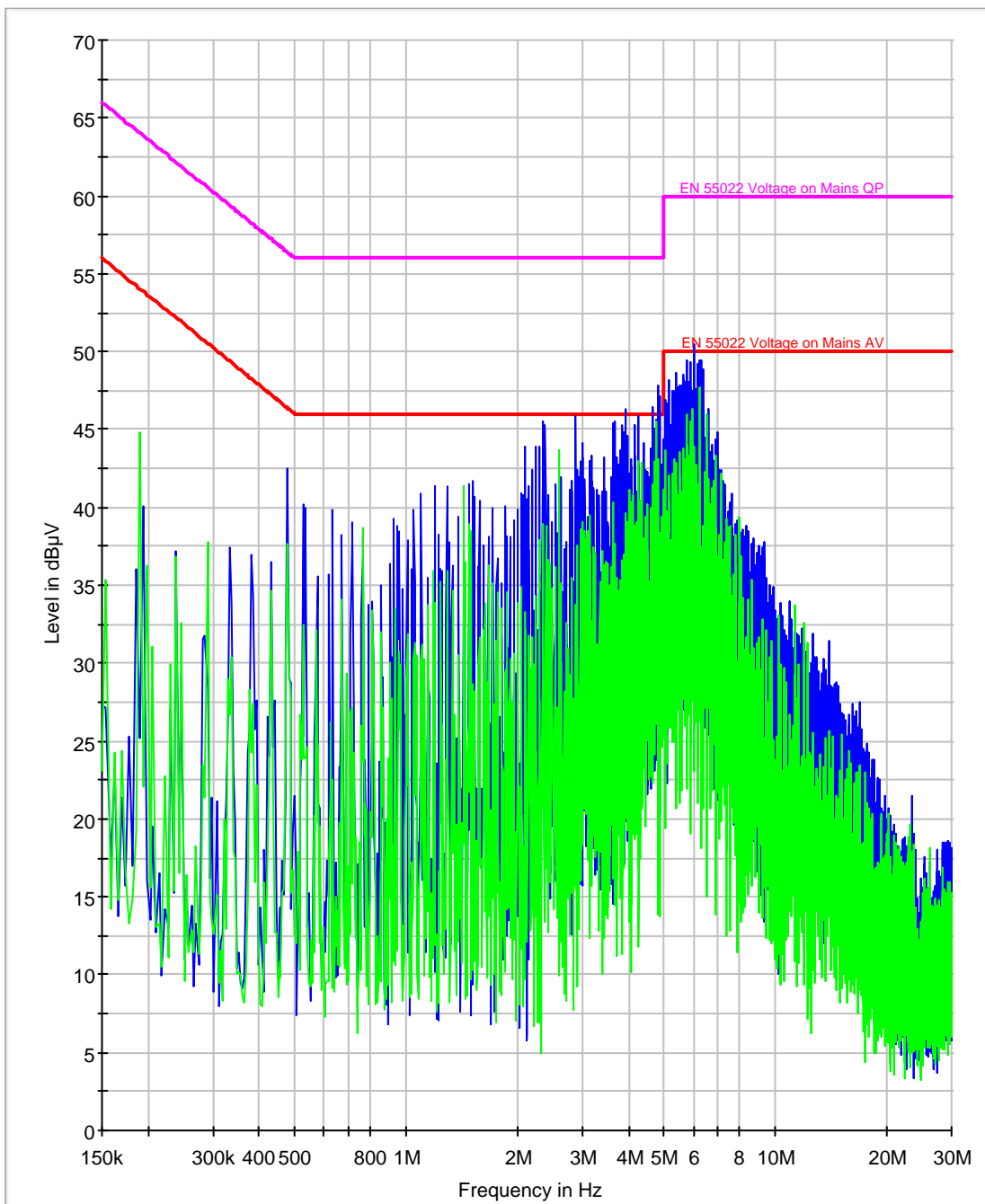


Figure 6b-6.1: iDEN 900 MHz ISM Band Phase Line and Neutral Line Voltage with a Peak and Average Detector N (Green) L1 (Blue)

500 kHz to 5 MHz	QP value	QP Limit	QP Margin	Avg. Value	Avg. Limit	Avg. Margin	Ph
2886000	38.60	56.00	17.40	29.30	46.00	16.70	L1
3914000	37.50	56.00	18.50	28.00	46.00	18.00	L1
4638000	40.50	56.00	15.50	30.40	46.00	15.60	L1
4818000	40.30	56.00	15.70	30.50	46.00	15.50	L1
4866000	40.50	56.00	15.50	31.00	46.00	15.00	L1
2886000	32.80	56.00	23.20	23.60	46.00	22.40	N
3914000	32.80	56.00	23.20	23.30	46.00	22.70	N
4638000	33.80	56.00	22.20	24.80	46.00	21.20	N
4818000	35.00	56.00	21.00	25.70	46.00	20.30	N
4866000	33.70	56.00	22.30	25.20	46.00	20.80	N
5 MHz – 30 MHz	QP value	QP Limit	QP Margin	Avg. Value	Avg. Limit	Avg. Margin	Ph
6014000	43.2000	60.0000	16.8000	33.4000	50.0000	16.6000	L1
6014000	37.5000	60.0000	22.5000	28.1000	50.0000	21.9000	N

Table 6b-6.1: Line Voltage Data- Quasi-Peak and Average (902.625 MHz)