

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.

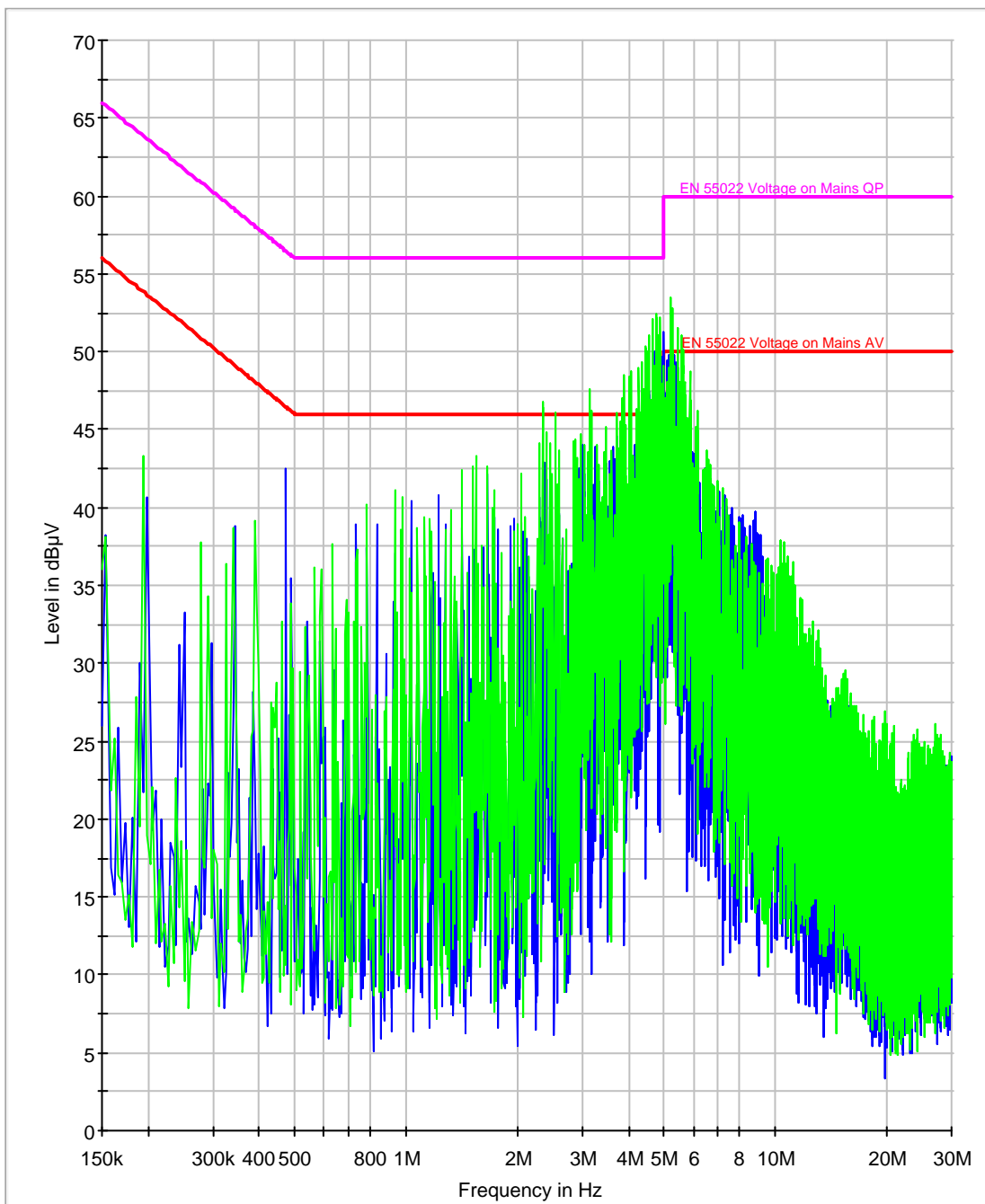


Figure 6b-6.1: iDEN 900 MHz ISM Band Phase Line and Neutral Line Voltage with a Peak and Average Detector N (Green) L1 (Blue)

500kHz - 5MHz	QP Value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
3910000	41.60	56.00	14.40	28.70	46.00	17.30	L1
4442000	46.20	56.00	9.80	35.80	46.00	10.20	L1
4642000	47.90	56.00	8.10	38.70	46.00	7.30	L1
4786000	47.60	56.00	8.40	35.70	46.00	10.30	L1
3910000	45.70	56.00	10.30	35.30	46.00	10.70	N
4442000	45.70	56.00	10.30	34.00	46.00	12.00	N
4642000	47.20	56.00	8.80	37.00	46.00	9.00	N
4786000	46.90	56.00	9.10	33.60	46.00	12.40	N
5MHz - 30MHz	QP Value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
5222000	42.1000	60.0000	17.9000	29.2000	50.0000	20.8000	L1
5422000	42.9000	60.0000	17.1000	28.6000	50.0000	21.4000	L1
5222000	45.0000	60.0000	15.0000	31.5000	50.0000	18.5000	N
5422000	43.7000	60.0000	16.3000	30.7000	50.0000	19.3000	N

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