

6c.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.

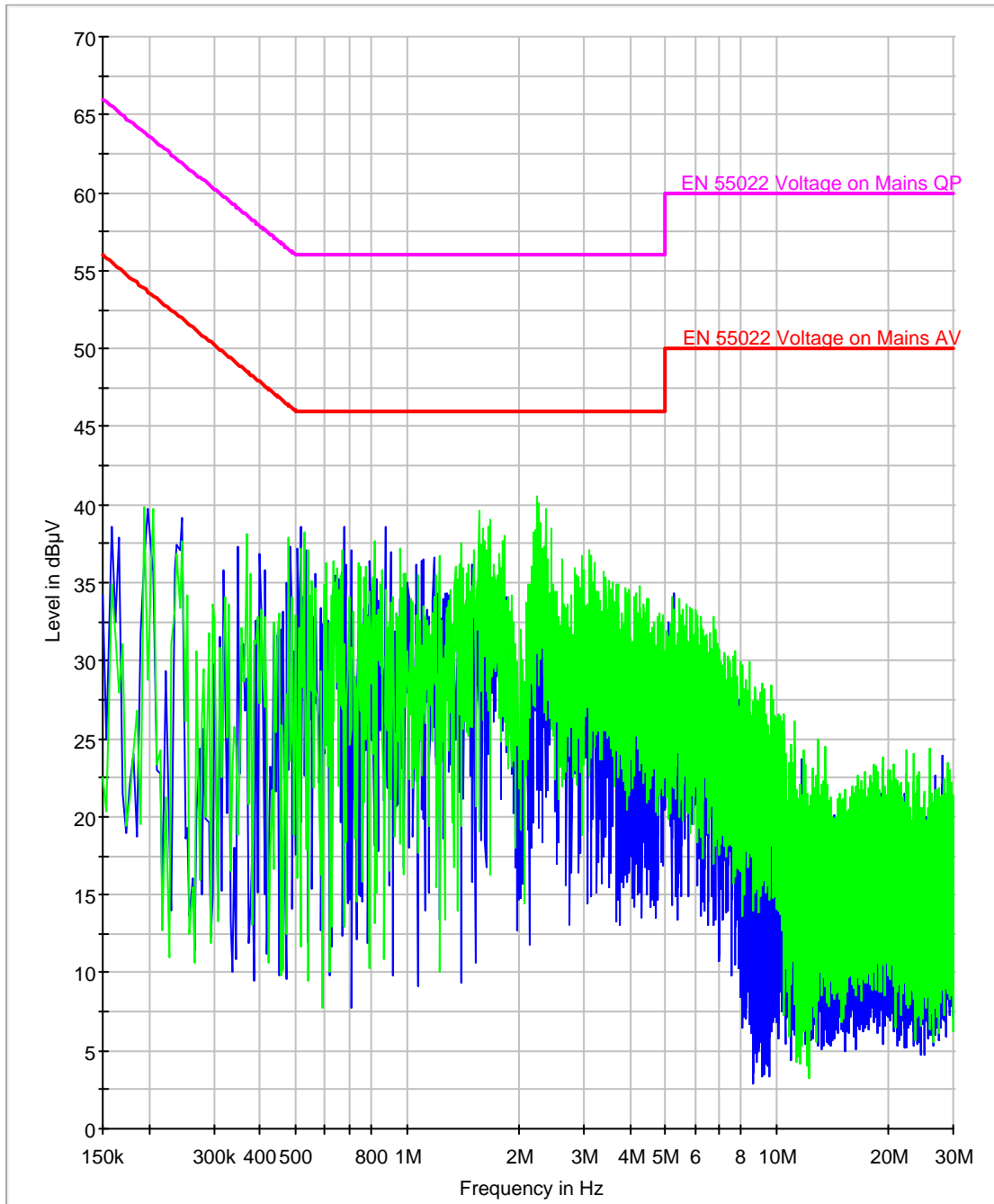


Figure 6c.6.1: MOTotalk mode Phase Line and Neutral Line Voltage with a Peak and Average Detector N (Green) L1 (Blue)

ISM TX 902.625 MHz Limits

Frequency							
<= 500kHz	QP value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
158000	31.70	65.77	34.07	27.50	55.77	28.27	L1
194000	33.20	64.74	31.54	25.50	54.74	29.24	L1
206000	35.20	64.39	29.19	28.00	54.39	26.39	L1
246000	36.60	63.24	26.64	20.60	53.24	32.64	L1
350000	35.00	60.25	25.25	16.60	50.25	33.65	L1
370000	38.50	59.68	21.18	18.90	49.68	30.78	L1
158000	31.70	65.77	34.07	26.20	55.77	29.57	N
194000	33.40	64.74	31.34	25.20	54.74	29.54	N
206000	35.60	64.39	28.79	28.00	54.39	26.39	N
246000	35.10	63.24	28.14	26.00	53.24	27.24	N
350000	35.70	60.25	24.55	17.20	50.25	33.05	N
370000	39.00	59.68	20.68	17.90	49.68	31.78	N

Table 6c.6.2: Line Voltage Data- Quasi-Peak and Average