

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.

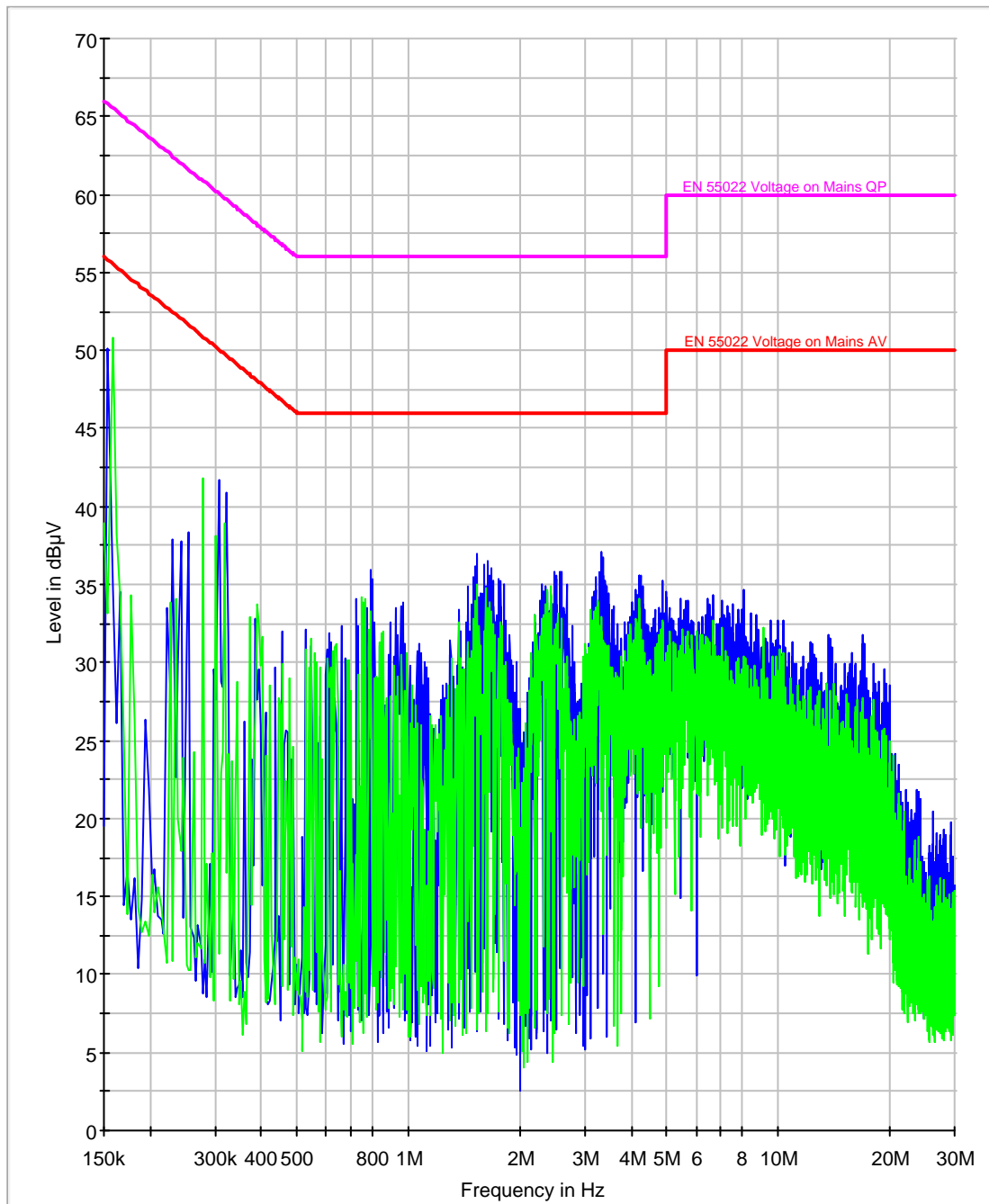


Figure 6b-6.1: MOTotalk 900 MHz ISM Band Phase Line and Neutral Line Voltage with a Peak and Average Detector N (Green) L1 (Blue)

Limits i365IS MOTotalk ISM Band (TX at 902.525MHz)

Frequency							
<= 500 kHz	Quasi-Peak (dBµV)	QP Limit	QP Margin	Average (dBµV)	Avg. Limit	Avg. Margin	Ph
154000	47.80	65.89	18.09	34.80	55.89	21.09	L1
158000	47.90	65.77	17.87	36.60	55.77	19.17	L1
254000	32.90	63.01	30.11	8.40	53.01	44.61	L1
278000	32.50	62.32	29.82	4.70	52.32	47.62	L1
306000	38.00	61.52	23.52	27.50	51.52	24.02	L1
322000	38.50	61.06	22.56	26.10	51.06	24.96	L1
154000	47.70	65.89	18.19	36.90	55.89	18.99	N
158000	47.80	65.77	17.97	38.20	55.77	17.57	N
254000	29.80	63.01	33.21	7.10	53.01	45.91	N
278000	29.10	62.32	33.22	3.80	52.32	48.52	N
306000	35.00	61.52	26.52	18.90	51.52	32.62	N
322000	35.80	61.06	25.26	18.70	51.06	32.36	N

Table 6b-6.1: Line Voltage Data- Quasi-Peak and Average