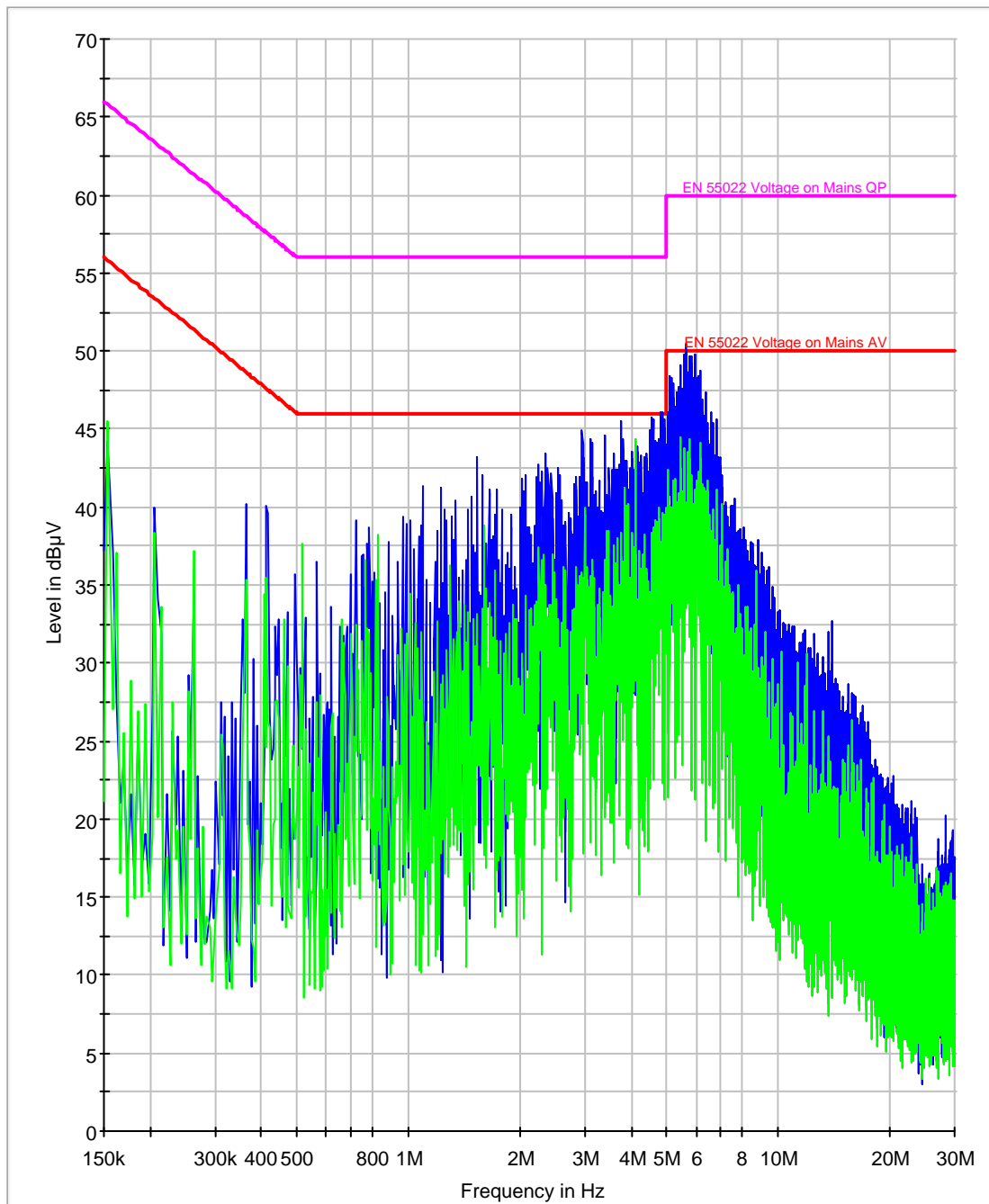


**6a.4 Power Line Conducted Spurious Voltage -- Pursuant 47 CFR 15.207**Conducted voltage limits:

-Per 47 CFR 15.207

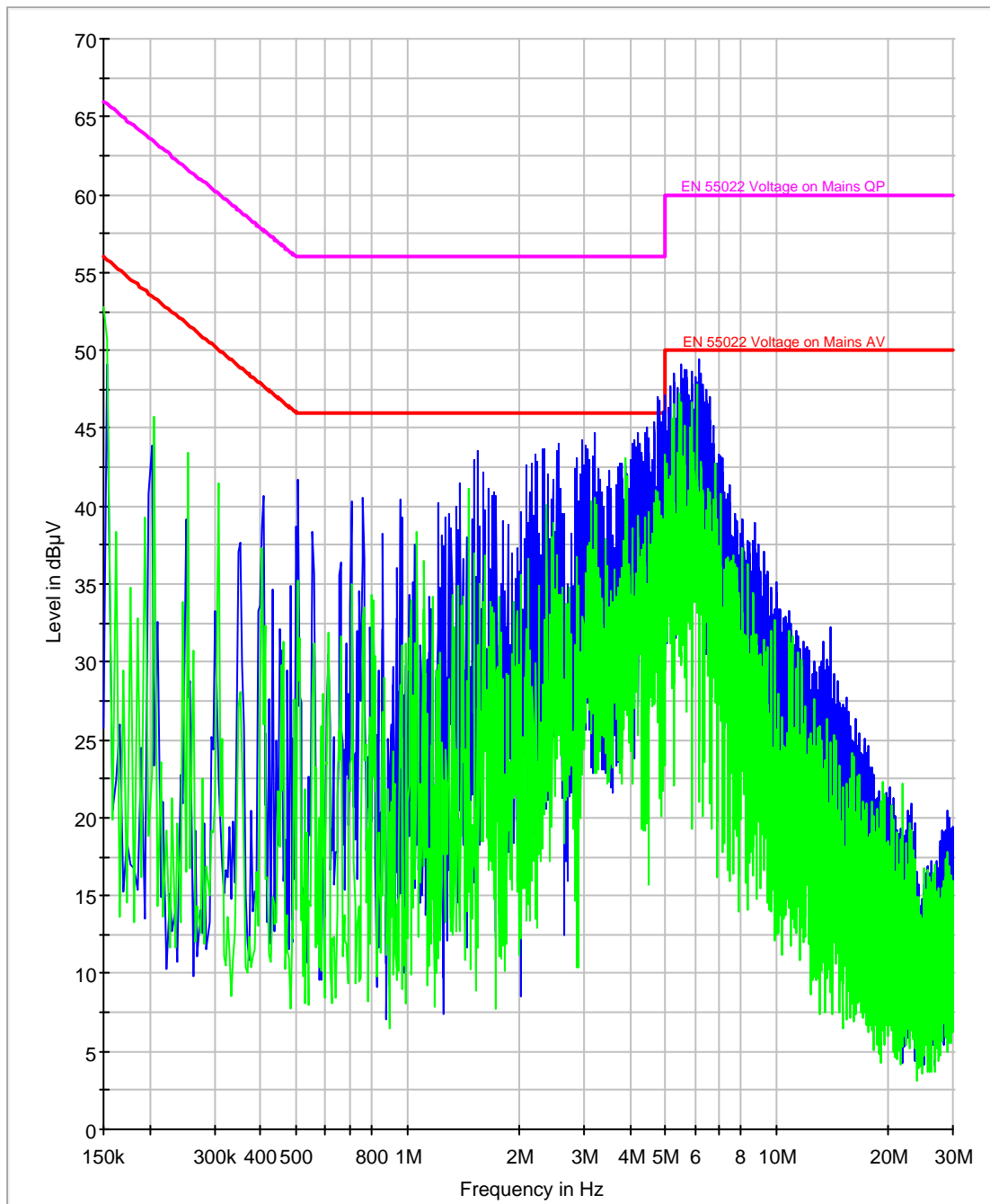
This radio product can transmit in 800 and 900 MHz SMR bands while resting in a battery charger that is connected to the AC power line. Each figure contains two measurement traces in addition to the two applicable limit lines (black traces), the higher being applicable to measurements utilizing a quasi-peak 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 800 MHz SMR Band Phase Line and Neutral Line Voltage with a Peak and Average Detector N (Green) L1 (Blue)**

<b>500 kHz to 5 MHz</b>	<b>QP value</b>	<b>QP Limit</b>	<b>QP Margin</b>	<b>Avg. Value</b>	<b>Avg. Limit</b>	<b>Avg. Margin</b>	<b>Ph</b>
3402000	37.00	56.00	19.00	26.30	46.00	19.70	L1
3754000	38.90	56.00	17.10	29.50	46.00	16.50	L1
4578000	42.30	56.00	13.70	32.70	46.00	13.30	L1
4926000	41.10	56.00	14.90	31.20	46.00	14.80	L1
3402000	30.50	56.00	25.50	20.00	46.00	26.00	N
3754000	33.00	56.00	23.00	23.80	46.00	22.20	N
4578000	37.20	56.00	18.80	26.70	46.00	19.30	N
4926000	36.00	56.00	20.00	27.10	46.00	18.90	N
<b>5 MHz – 30 MHz</b>	<b>QP value</b>	<b>QP Limit</b>	<b>QP Margin</b>	<b>Avg. Value</b>	<b>Avg. Limit</b>	<b>Avg. Margin</b>	<b>Ph</b>
5602000	43.8000	60.0000	16.2000	34.6000	50.0000	15.4000	L1
5966000	44.0000	60.0000	16.0000	35.3000	50.0000	14.7000	L1
5602000	39.0000	60.0000	21.0000	31.1000	50.0000	18.9000	N
5966000	39.0000	60.0000	21.0000	30.2000	50.0000	19.8000	N

**Table 6a-4.1: Line Voltage Data- Quasi-Peak and Average (806.0625)**



**Figure 6a-4.2: iDEN 900 MHz SMR / NBPCS Phase Line and Neutral Line Voltage with a Peak and Average Detector N (Green) L1 (Blue).**

<b>500 kHz to 5MHz</b>	<b>QP value</b>	<b>QP Limit</b>	<b>QP Margin</b>	<b>Avg. Value</b>	<b>Avg. Limit</b>	<b>Avg. Margin</b>	<b>Ph</b>
3226000	37.70	56.00	18.30	25.40	46.00	20.60	L1
4634000	41.00	56.00	15.00	31.00	46.00	15.00	L1
4774000	42.20	56.00	13.80	31.00	46.00	15.00	L1
5000000	42.80	56.00	13.20	32.90	46.00	13.10	L1
3226000	32.70	56.00	23.30	17.80	46.00	28.20	N
4634000	35.50	56.00	20.50	26.10	46.00	19.90	N
4774000	36.20	56.00	19.80	24.70	46.00	21.30	N
5000000	36.80	56.00	19.20	26.50	46.00	19.50	N
<b>5 MHz to 30 MHz</b>	<b>QP value</b>	<b>QP Limit</b>	<b>QP Margin</b>	<b>Avg. Value</b>	<b>Avg. Limit</b>	<b>Avg. Margin</b>	<b>Ph</b>
5534000	44.1000	60.0000	15.9000	34.4000	50.0000	15.6000	L1
6130000	43.5000	60.0000	16.5000	33.8000	50.0000	16.2000	L1
5534000	37.4000	60.0000	22.6000	28.2000	50.0000	21.8000	N
6130000	38.4000	60.0000	21.6000	29.5000	50.0000	20.5000	N

**Table 6a-4.2: Line Voltage Data- Quasi-Peak and Average (901.49375 MHz).**