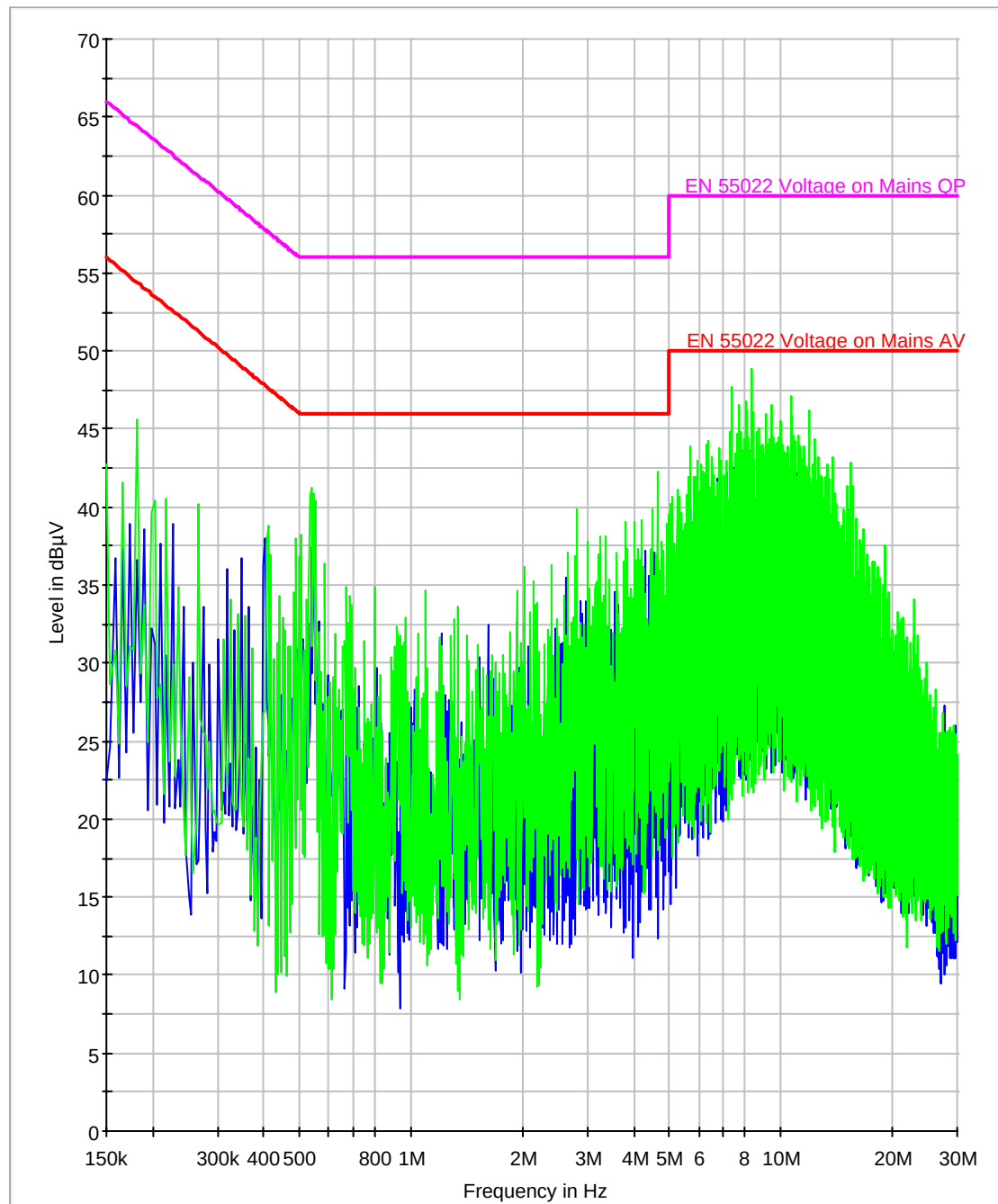


**6a.4 Power Line Conducted Spurious Voltage -- Pursuant 47 CFR 15.207**Conducted voltage limits:

-Per 47 CFR 15.207

This radio product can transmit in 800-900 MHz 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 6a-4.1: iDEN Phase Line and Neutral Line Voltage with a Peak and Average Detector N (Green) L1 (Blue)**

## Tx 806.0625MHz Limits

| <b>Frequency</b>    |                 |                 |                  |                  |                  |                   |           |
|---------------------|-----------------|-----------------|------------------|------------------|------------------|-------------------|-----------|
| <b>&lt;= 500kHz</b> | <b>QP value</b> | <b>QP Limit</b> | <b>QP Margin</b> | <b>Avr Value</b> | <b>Avr Limit</b> | <b>Avr Margin</b> | <b>Ph</b> |
| 150000              | 36.20           | 66.00           | 29.80            | 18.80            | 56.00            | 37.20             | L1        |
| 166000              | 37.10           | 65.54           | 28.44            | 23.60            | 55.54            | 31.94             | L1        |
| 174000              | 37.60           | 65.31           | 27.71            | 21.60            | 55.31            | 33.71             | L1        |
| 182000              | 39.40           | 65.08           | 25.68            | 27.10            | 55.08            | 27.98             | L1        |
| 190000              | 38.00           | 64.85           | 26.85            | 24.00            | 54.85            | 30.85             | L1        |
| 202000              | 36.00           | 64.51           | 28.51            | 19.80            | 54.51            | 34.71             | L1        |
|                     |                 |                 |                  |                  |                  |                   |           |
| 150000              | 37.10           | 66.00           | 28.90            | 21.60            | 56.00            | 34.40             | N         |
| 166000              | 38.30           | 65.54           | 27.24            | 26.00            | 55.54            | 29.54             | N         |
| 174000              | 38.10           | 65.31           | 27.21            | 23.50            | 55.31            | 31.81             | N         |
| 182000              | 40.90           | 65.08           | 24.18            | 29.00            | 55.08            | 26.08             | N         |
| 190000              | 38.00           | 64.85           | 26.85            | 23.10            | 54.85            | 31.75             | N         |
| 202000              | 36.90           | 64.51           | 27.61            | 21.80            | 54.51            | 32.71             | N         |
| <b>5MHz - 30MHz</b> |                 |                 |                  |                  |                  |                   |           |
| 7406000             | 33.6000         | 60.0000         | 26.4000          | 20.6000          | 50.0000          | 29.4000           | L1        |
| 8346000             | 34.7000         | 60.0000         | 25.3000          | 21.6000          | 50.0000          | 28.4000           | L1        |
|                     |                 |                 |                  |                  |                  |                   |           |
| 7406000             | 37.0000         | 60.0000         | 23.0000          | 27.3000          | 50.0000          | 22.7000           | N         |
| 8346000             | 38.2000         | 60.0000         | 21.8000          | 28.1000          | 50.0000          | 21.9000           | N         |

Table 6a-4.2: Line Voltage Data- Quasi-Peak and Average