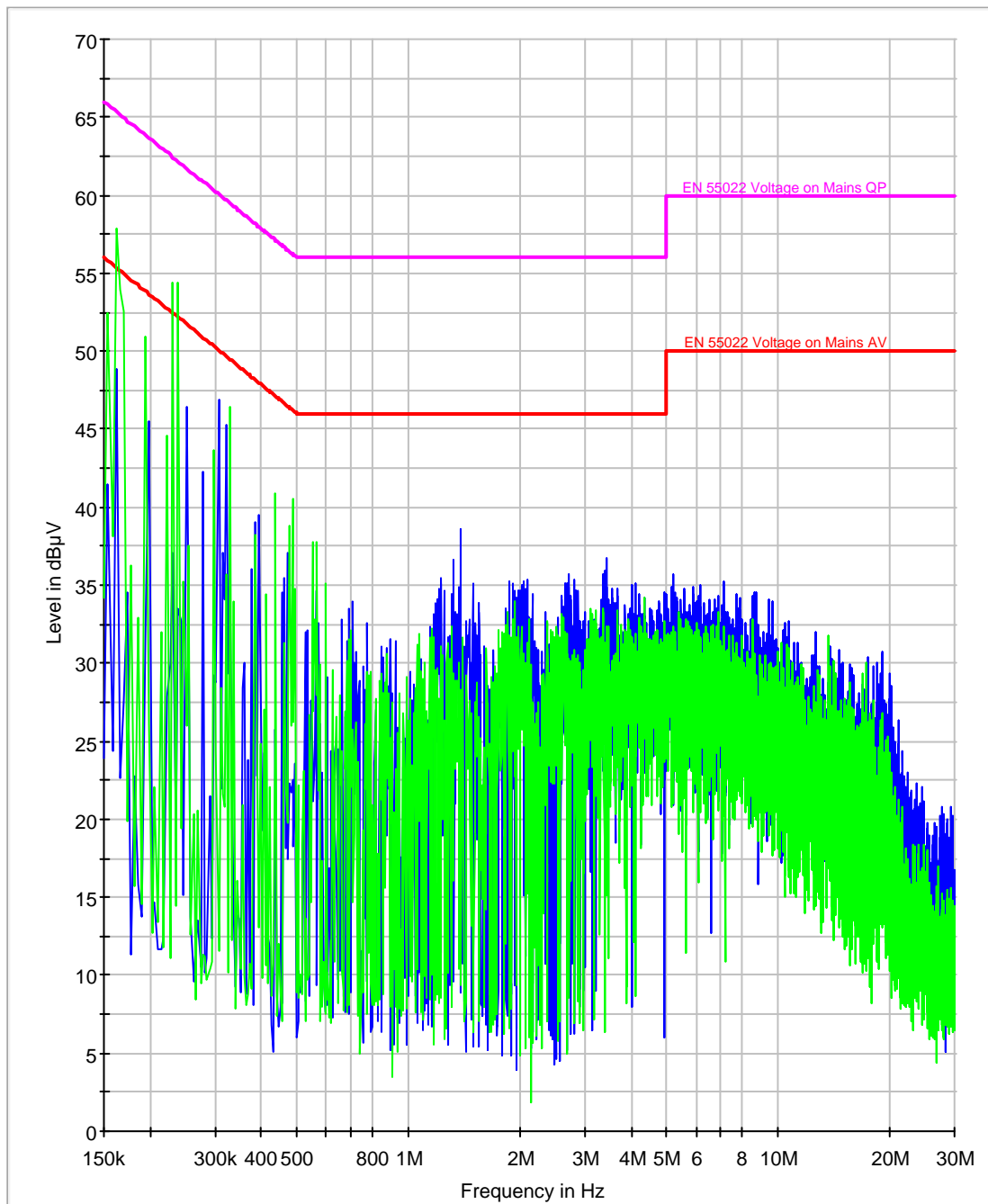


**6a.4 Power Line Conducted Spurious Voltage -- Pursuant 47 CFR 15.207**Conducted voltage limits:

-Per 47 CFR 15.207

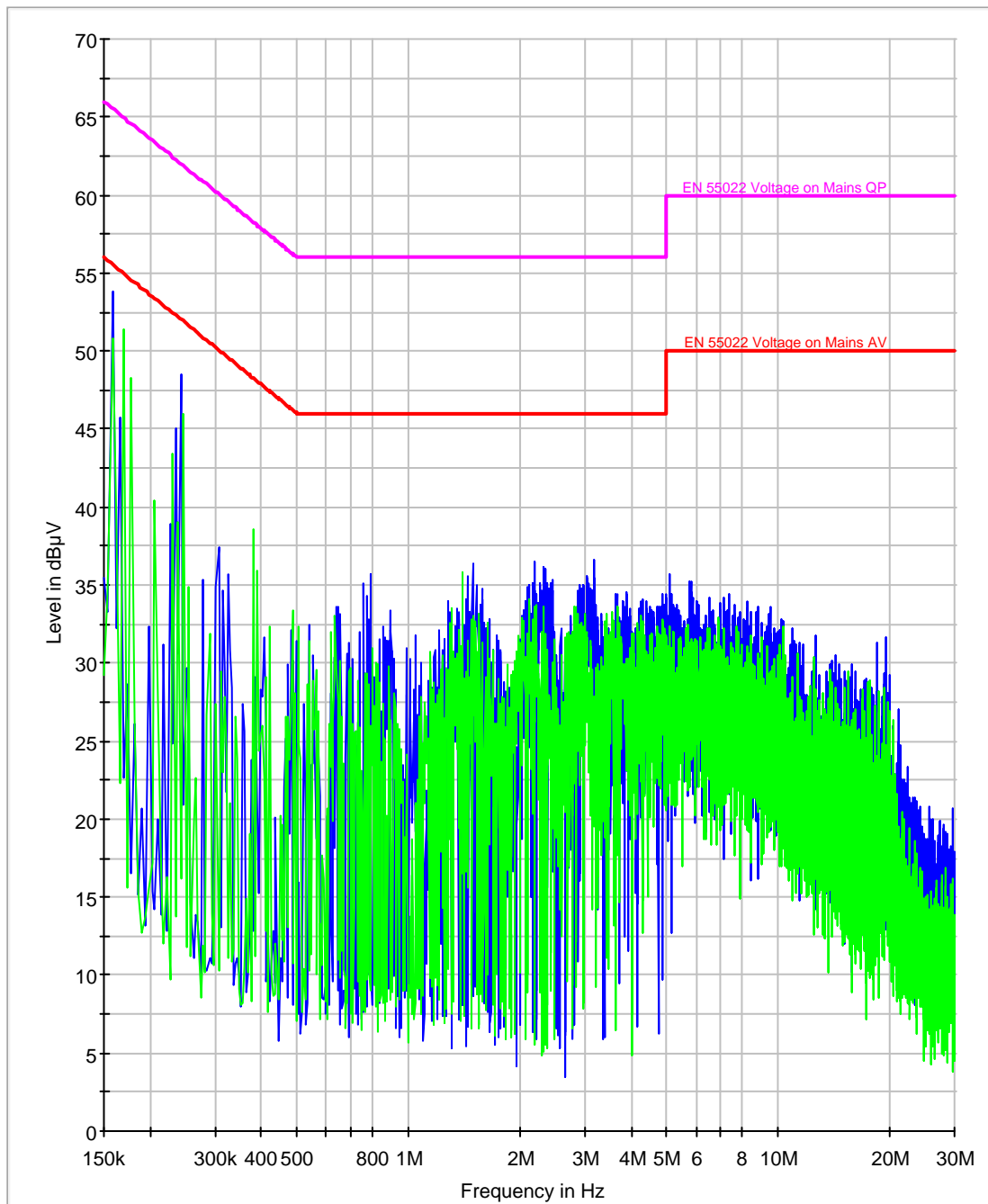
This radio product can transmit in 800 and 900 MHz SMR bands, as well as the 900 MHz Narrowband PCS band, while resting in a battery charger that is connected to the AC power line. Each figure contains two measurement traces in addition to the two applicable limit lines (black traces), the higher being 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). Transmitter at 806.0625 MHz.**

<b>Frequency</b>							
<b>&lt;= 500kHz</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>
154000	54.60	65.89	11.29	37.90	55.89	17.99	L1
162000	54.30	65.66	11.36	41.20	55.66	14.46	L1
194000	37.50	64.74	27.24	6.80	54.74	47.94	L1
230000	46.40	63.70	17.30	28.00	53.70	25.70	L1
238000	46.70	63.47	16.77	29.50	53.47	23.97	L1
306000	41.20	61.52	20.32	25.90	51.52	25.62	L1
154000	53.80	65.89	12.09	39.40	55.89	16.49	N
162000	53.40	65.66	12.26	41.10	55.66	14.56	N
194000	38.00	64.74	26.74	7.30	54.74	47.44	N
230000	44.90	63.70	18.80	27.50	53.70	26.20	N
238000	44.90	63.47	18.57	28.20	53.47	25.27	N
306000	38.80	61.52	22.72	20.60	51.52	30.92	N
154000	54.60	65.89	11.29	37.90	55.89	17.99	L1
162000	54.30	65.66	11.36	41.20	55.66	14.46	L1

**Table 6a-4.1: Line Voltage Data- Quasi-Peak and Average. Transmitter at 806.0625 MHz.**



**Figure 6a-4.2: iDEN 900 MHz SMR/NBPCS Band Phase Line and Neutral Line Voltage with a Peak and Average Detector N (Green) L1 (Blue). Transmitter at 901.49375 MHz.**

<b>Frequency</b>							
<b>&lt;= 500kHz</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>
158000	49.10	65.77	16.67	37.50	55.77	18.27	L1
170000	38.70	65.43	26.73	19.90	55.43	35.53	L1
178000	37.30	65.20	27.90	9.60	55.20	45.60	L1
234000	42.80	63.59	20.79	29.90	53.59	23.69	L1
242000	44.10	63.36	19.26	30.50	53.36	22.86	L1
246000	40.70	63.24	22.54	24.00	53.24	29.24	L1
158000	48.80	65.77	16.97	38.40	55.77	17.37	N
170000	38.80	65.43	26.63	20.60	55.43	34.83	N
178000	36.50	65.20	28.70	9.50	55.20	45.70	N
234000	40.90	63.59	22.69	24.70	53.59	28.89	N
242000	42.40	63.36	20.96	25.20	53.36	28.16	N
246000	38.80	63.24	24.44	19.20	53.24	34.04	N
158000	49.10	65.77	16.67	37.50	55.77	18.27	L1
170000	38.70	65.43	26.73	19.90	55.43	35.53	L1

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