

RADIATED EMISSIONS



Test Report #: WC803112 Run 2 Test Area: LTS

EUT Model #: 746 Date: 4/18/2008

EUT Serial #: 7742 EUT Power: 13VDC Temperature: 20.0 °C

Test Method: FCC Air Pressure: 99.0 kPa

Customer: Hunt Technologies Rel. Humidity: 28.0 %

EUT Description: Electric meter

Notes:

Data File Name: 3112.dat

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List of measurements for run #: 2

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	DELTA1 FCC B >1GHz 3m av	DELTA2 FCC B >1G 3 M pk
902.1 MHz						
2.706 GHz	57.45 Av	6.56 / 29.26 / 43.7 / 0.36	49.93	V / 1.62 / 352	-4.07	n/a
2.706 GHz	58.8 Pk	6.56 / 29.26 / 43.7 / 0.36	51.28	V / 1.62 / 352	-2.72*	-22.72
2.706 GHz	57.69 Av	6.56 / 29.26 / 43.7 / 0.36	50.17	H / 1.50 / 354	-3.83	n/a
2.706 GHz	59.25 Pk	6.56 / 29.26 / 43.7 / 0.36	51.73	H / 1.50 / 354	-2.27*	-22.27
3.608 GHz	43.17 Av	7.79 / 31.38 / 43.65 / 0.55	39.24	H / 1.47 / 0	-14.76	n/a
3.608 GHz	49.55 Pk	7.79 / 31.38 / 43.65 / 0.55	45.62	H / 1.47 / 0	-8.38*	-28.38
3.608 GHz	41.55 Av	7.79 / 31.38 / 43.65 / 0.55	37.62	V / 1.30 / 101	-16.38	n/a
3.608 GHz	48.95 Pk	7.79 / 31.38 / 43.65 / 0.55	45.02	V / 1.30 / 101	-8.98*	-28.98
7.217 GHz	38.04 Av	13.07 / 36.04 / 43.12 / 1.28	45.31	V / 1.00 / 206	-8.69	n/a
7.217 GHz	45.55 Pk	13.07 / 36.04 / 43.12 / 1.28	52.82	V / 1.00 / 206	-1.18*	-21.18
7.217 GHz	37.0 Av	13.07 / 36.04 / 43.12 / 1.28	44.27	H / 1.36 / 92	-9.73	n/a
7.217 GHz	46.3 Pk	13.07 / 36.04 / 43.12 / 1.28	53.57	H / 1.36 / 92	-0.43*	-20.43
No other harmonics detected						
915 MHz						
7.32 GHz	36.35 Av	13.19 / 36.17 / 43.18 / 1.21	43.74	V / 1.38 / 210	-10.26	n/a
7.32 GHz	43.85 Pk	13.19 / 36.17 / 43.18 / 1.21	51.24	V / 1.38 / 210	-2.76*	-22.76
7.32 GHz	36.84 Av	13.19 / 36.17 / 43.18 / 1.21	44.23	H / 1.24 / 128	-9.77	n/a
7.32 GHz	44.65 Pk	13.19 / 36.17 / 43.18 / 1.21	52.04	H / 1.24 / 128	-1.96*	-21.96
2.745 GHz	54.55 Av	6.61 / 29.35 / 43.55 / 0.39	47.35	V / 1.58 / 352	-6.65	n/a
2.745 GHz	56.6 Pk	6.61 / 29.35 / 43.55 / 0.39	49.4	V / 1.58 / 352	-4.6*	-24.6
2.745 GHz	53.2 Av	6.61 / 29.35 / 43.55 / 0.39	46.0	H / 1.16 / 42	-8.0	n/a
2.745 GHz	55.55 Pk	6.61 / 29.35 / 43.55 / 0.39	48.35	H / 1.16 / 42	-5.65*	-25.65
3.66 GHz	45.61 Av	7.86 / 31.5 / 43.61 / 0.57	41.92	H / 1.45 / 0	-12.08	n/a

Tested by: Greg Jakubowski

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List of measurements for run #: 2

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	DELTA1 FCC B >1GHz 3m av	DELTA2 FCC B >1G 3 M pk
3.66 GHz	49.5 Pk	7.86 / 31.5 / 43.61 / 0.57	45.81	H / 1.45 / 0	-8.19*	-28.19
3.66 GHz	42.34 Av	7.86 / 31.5 / 43.61 / 0.57	38.65	V / 1.28 / 112	-15.35	n/a
3.66 GHz	47.6 Pk	7.86 / 31.5 / 43.61 / 0.57	43.91	V / 1.28 / 112	-10.09*	-30.09
No other harmonics detected						
927.9 MHz						
2.784 GHz	48.83 Av	6.67 / 29.44 / 43.41 / 0.37	41.9	V / 1.60 / 355	-12.1	n/a
2.784 GHz	52.05 Pk	6.67 / 29.44 / 43.41 / 0.37	45.12	V / 1.60 / 355	-8.88*	-28.88
2.784 GHz	49.57 Av	6.67 / 29.44 / 43.41 / 0.37	42.64	H / 1.40 / 45	-11.36	n/a
2.784 GHz	53.3 Pk	6.67 / 29.44 / 43.41 / 0.37	46.37	H / 1.40 / 45	-7.63*	-27.63
3.712 GHz	39.65 Av	7.92 / 31.62 / 43.61 / 0.53	36.11	H / 1.40 / 0	-17.89	n/a
3.712 GHz	45.85 Pk	7.92 / 31.62 / 43.61 / 0.53	42.31	H / 1.40 / 0	-11.69*	-31.69
3.712 GHz	38.56 Av	7.92 / 31.62 / 43.61 / 0.53	35.02	V / 1.28 / 111	-18.98	n/a
3.712 GHz	46.0 Pk	7.92 / 31.62 / 43.61 / 0.53	42.46	V / 1.28 / 111	-11.54*	-31.54
non harmonic, maximized						
4.942 GHz	41.28 Av	9.72 / 33.07 / 43.65 / 0.66	41.09	V / 1.00 / 207	-12.91	n/a
4.942 GHz	48.35 Pk	9.72 / 33.07 / 43.65 / 0.66	48.16	V / 1.00 / 207	-5.84*	-25.84
4.942 GHz	38.38 Av	9.72 / 33.07 / 43.65 / 0.66	38.19	H / 1.00 / 203	-15.81	n/a
4.942 GHz	46.25 Pk	9.72 / 33.07 / 43.65 / 0.66	46.06	H / 1.00 / 203	-7.94*	-27.94
7.423 GHz	37.26 Av	13.31 / 36.3 / 43.13 / 1.26	45.0	H / 1.31 / 152	-9.0	n/a
7.423 GHz	43.6 Pk	13.31 / 36.3 / 43.13 / 1.26	51.34	H / 1.31 / 152	-2.66*	-22.66
7.423 GHz	37.17 Av	13.31 / 36.3 / 43.13 / 1.26	44.91	V / 1.40 / 199	-9.09	n/a
7.423 GHz	44.8 Pk	13.31 / 36.3 / 43.13 / 1.26	52.54	V / 1.40 / 199	-1.46*	-21.46

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Customer: Hunt Technologies Rel. Humidity: 28.0 %

EUT Description: Electric meter

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Measurement summary for limit1: FCC B >1GHz 3m av (Av)

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	DELTA1 FCC B >1GHz 3m av
2.706 GHz	57.69 Av	6.56 / 29.26 / 43.7 / 0.36	50.17	H / 1.50 / 354	-3.83
2.745 GHz	54.55 Av	6.61 / 29.35 / 43.55 / 0.39	47.35	V / 1.58 / 352	-6.65
7.217 GHz	38.04 Av	13.07 / 36.04 / 43.12 / 1.28	45.31	V / 1.00 / 206	-8.69
7.423 GHz	37.26 Av	13.31 / 36.3 / 43.13 / 1.26	45.0	H / 1.31 / 152	-9.0
7.32 GHz	36.84 Av	13.19 / 36.17 / 43.18 / 1.21	44.23	H / 1.24 / 128	-9.77
2.784 GHz	49.57 Av	6.67 / 29.44 / 43.41 / 0.37	42.64	H / 1.40 / 45	-11.36
3.66 GHz	45.61 Av	7.86 / 31.5 / 43.61 / 0.57	41.92	H / 1.45 / 0	-12.08
4.942 GHz	41.28 Av	9.72 / 33.07 / 43.65 / 0.66	41.09	V / 1.00 / 207	-12.91
3.608 GHz	43.17 Av	7.79 / 31.38 / 43.65 / 0.55	39.24	H / 1.47 / 0	-14.76
3.712 GHz	39.65 Av	7.92 / 31.62 / 43.61 / 0.53	36.11	H / 1.40 / 0	-17.89
2.706 GHz	59.25 Pk	6.56 / 29.26 / 43.7 / 0.36	51.73	H / 1.50 / 354	-2.27*
3.608 GHz	49.55 Pk	7.79 / 31.38 / 43.65 / 0.55	45.62	H / 1.47 / 0	-8.38*
7.217 GHz	46.3 Pk	13.07 / 36.04 / 43.12 / 1.28	53.57	H / 1.36 / 92	-0.43*
7.32 GHz	44.65 Pk	13.19 / 36.17 / 43.18 / 1.21	52.04	H / 1.24 / 128	-1.96*
2.745 GHz	56.6 Pk	6.61 / 29.35 / 43.55 / 0.39	49.4	V / 1.58 / 352	-4.6*
3.66 GHz	49.5 Pk	7.86 / 31.5 / 43.61 / 0.57	45.81	H / 1.45 / 0	-8.19*
2.784 GHz	53.3 Pk	6.67 / 29.44 / 43.41 / 0.37	46.37	H / 1.40 / 45	-7.63*
3.712 GHz	46.0 Pk	7.92 / 31.62 / 43.61 / 0.53	42.46	V / 1.28 / 111	-11.54*
4.942 GHz	48.35 Pk	9.72 / 33.07 / 43.65 / 0.66	48.16	V / 1.00 / 207	-5.84*
7.423 GHz	44.8 Pk	13.31 / 36.3 / 43.13 / 1.26	52.54	V / 1.40 / 199	-1.46*

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Test Method: FCC Air Pressure: 99.0 kPa

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Measurement summary for limit2: FCC B >1G 3 M pk (Pk)

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	DELTA2 FCC B >1G 3 M pk
7.217 GHz	46.3 Pk	13.07 / 36.04 / 43.12 / 1.28	53.57	H / 1.36 / 92	-20.43
7.423 GHz	44.8 Pk	13.31 / 36.3 / 43.13 / 1.26	52.54	V / 1.40 / 199	-21.46
7.32 GHz	44.65 Pk	13.19 / 36.17 / 43.18 / 1.21	52.04	H / 1.24 / 128	-21.96
2.706 GHz	59.25 Pk	6.56 / 29.26 / 43.7 / 0.36	51.73	H / 1.50 / 354	-22.27
2.745 GHz	56.6 Pk	6.61 / 29.35 / 43.55 / 0.39	49.4	V / 1.58 / 352	-24.6
4.942 GHz	48.35 Pk	9.72 / 33.07 / 43.65 / 0.66	48.16	V / 1.00 / 207	-25.84
2.784 GHz	53.3 Pk	6.67 / 29.44 / 43.41 / 0.37	46.37	H / 1.40 / 45	-27.63
3.66 GHz	49.5 Pk	7.86 / 31.5 / 43.61 / 0.57	45.81	H / 1.45 / 0	-28.19
3.608 GHz	49.55 Pk	7.79 / 31.38 / 43.65 / 0.55	45.62	H / 1.47 / 0	-28.38
3.712 GHz	46.0 Pk	7.92 / 31.62 / 43.61 / 0.53	42.46	V / 1.28 / 111	-31.54

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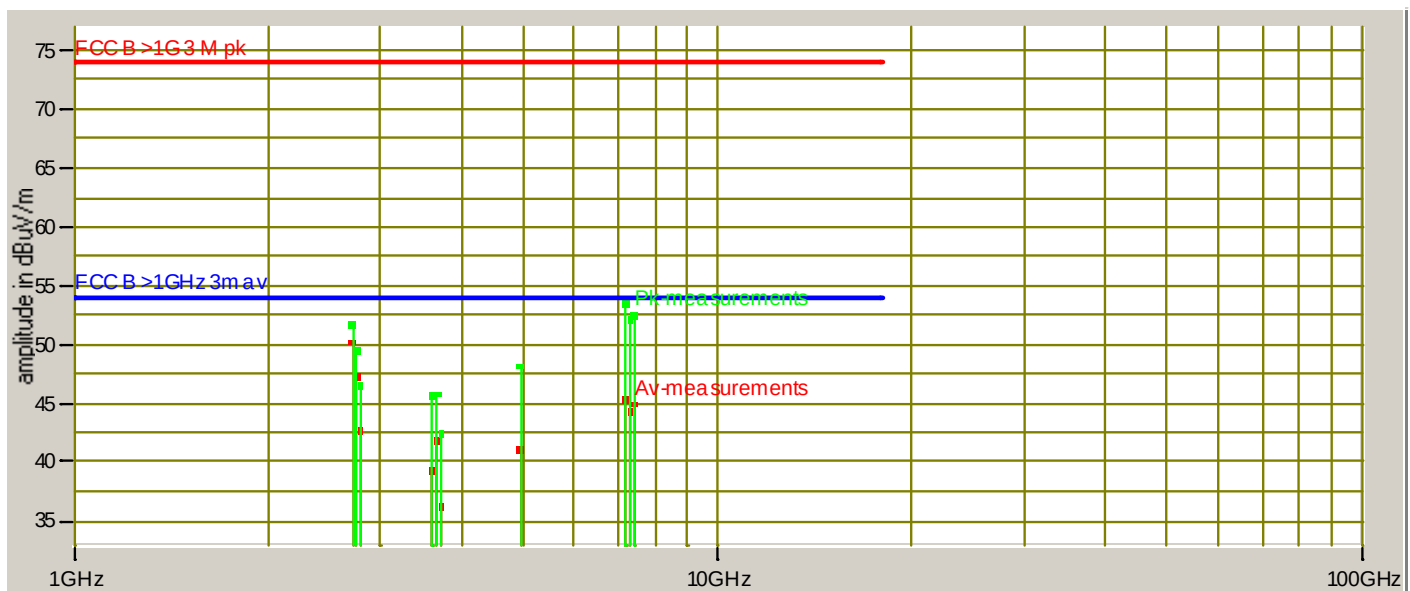
EUT Description: Electric meter

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Graph:



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