

04-0272 Internet Energy Systems C3I-W Wireless Transmitter
Substitution Method Results

EUT Freq.	P_{EUT} (dBm)	P_{subst TX} (dBm)	P_{subst RX} (dBm)	Antenna Gain (dBi)	L_{cable}	Output power (dBm)	Output power (W)
154.43	-6.9	-6.9	20.9	1.8	0.3	22.4	0.174
173.25	-9.7	-9.7	19.9	1.2	0.4	20.7	0.118
308.89	-82.4	-82.4	-54.4	1.6	0.5	-53.3	.0000000 005
346.53	-68.2	-68.2	-41.9	1.8	0.5	-40.6	.0000000 09
463.34	-72.0	-72.0	-42.5	1.1	0.6	-42.0	.0000000 06
519.81	-63.3	-63.3	-33.8	0.7	0.6	-33.7	.0000000 4
617.82	-63.3	-63.3	-31.5	0.6	0.7	-31.6	.0000000 7
693.09	-66.3	-66.3	-33.9	0.7	0.7	-33.9	.0000000 4
772.28	-67.5	-67.5	-32.0	0.4	0.7	-32.3	.0000000 6
866.4	-74.6	-74.6	-37.8	0.5	0.8	-38.1	.0000000 2
926.73	-73.9	-73.9	-35.6	0.6	0.8	-35.8	.0000000 3

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1039.68	-34.8	-34.8	-39.7	5.0	0.9	-35.6	.0000000 3
1081.23	-29.2	-29.2	-34.2	5.3	0.9	-29.8	.0000001
1212.91	-43.5	-43.5	-50.9	6.1	0.9	-45.7	.0000000 03
1235.66	-48.3	-48.3	-56.2	6.3	0.9	-50.8	.0000000 008
1386.23	-55.7	-55.7	-66.4	7.3	1.0	-60.1	.0000000 001
1398.01	-56.2	-56.2	-66.7	7.4	1.0	-60.3	.0000000 0009
1544.56	-56.1	-56.1	-64.5	8.1	1.0	-57.4	.0000000 002
1559.44	-39.8	-39.8	-45.8	8.1	1.0	-38.7	.0000000 1