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Antenna Test Report for VK650C

Jun. 10. 2005

Antenna Gain – 3D (Spin down)



Frequency	<i>TRP (dBm)</i>	<i>Eff. (%)</i>	<i>Ave. Gain (dBi)</i>	<i>Peak Gain (dBi)</i>	<i>Directivity (dBi)</i>
Frequency : 824 MHz	2.78	19.06	-7.22	-3.61	3.62
Frequency : 837 MHz	5.59	36.33	-4.41	-0.72	3.69
Frequency : 849 MHz	7.45	55.65	-2.55	1.14	3.69
Frequency : 869 MHz	6.50	44.79	-3.50	0.02	3.52
Frequency : 881 MHz	4.15	26.12	-5.85	-2.43	3.42
Frequency : 894 MHz	2.22	16.77	-7.78	-4.44	3.35
Frequency : 1574 MHz	2.59	18.25	-7.41	-3.49	3.92
Frequency : 1574 MHz	2.59	18.25	-7.41	-3.50	3.91
Frequency : 1575 MHz	2.54	18.04	-7.46	-3.54	3.93
Frequency : 1575 MHz	2.52	17.97	-7.48	-3.57	3.91
Frequency : 1576 MHz	2.45	17.70	-7.55	-3.64	3.91
Frequency : 1576 MHz	2.45	17.68	-7.55	-3.67	3.88
Frequency : 1850 MHz	5.12	32.64	-4.88	1.26	6.14
Frequency : 1880 MHz	6.35	43.22	-3.65	2.80	6.45
Frequency : 1910 MHz	7.08	51.14	-2.92	3.74	6.66
Frequency : 1930 MHz	7.47	55.97	-2.53	4.17	6.70
Frequency : 1960 MHz	7.41	55.18	-2.59	4.20	6.79
Frequency : 1990 MHz	6.55	45.26	-3.45	3.41	6.87

Antenna Gain – 3D (Spin up)



Frequency	<i>TRP (dBm)</i>	<i>Eff. (%)</i>	<i>Ave. Gain (dBi)</i>	<i>Peak Gain (dBi)</i>	<i>Directivity (dBi)</i>
Frequency : 824 MHz	0.97	12.62	-9.03	-5.55	3.48
Frequency : 837 MHz	3.23	21.15	-6.77	-3.25	3.52
Frequency : 849 MHz	5.07	32.26	-4.93	-1.31	3.62
Frequency : 869 MHz	4.91	31.08	-5.09	-1.39	3.70
Frequency : 881 MHz	3.08	20.44	-6.92	-3.20	3.72
Frequency : 894 MHz	0.86	12.29	-9.14	-5.36	3.79
Frequency : 1574 MHz	6.56	45.36	-3.44	3.33	6.78
Frequency : 1574 MHz	6.56	45.36	-3.44	3.33	6.77
Frequency : 1575 MHz	6.52	45.02	-3.48	3.29	6.77
Frequency : 1575 MHz	6.51	44.92	-3.49	3.31	6.80
Frequency : 1576 MHz	6.47	44.44	-3.53	3.25	6.78
Frequency : 1576 MHz	6.46	44.37	-3.54	3.22	6.76
Frequency : 1850 MHz	5.60	36.41	-4.40	1.94	6.34
Frequency : 1880 MHz	6.51	44.91	-3.49	2.60	6.09
Frequency : 1910 MHz	6.94	49.49	-3.06	2.56	5.62
Frequency : 1930 MHz	7.20	52.60	-2.80	2.59	5.39
Frequency : 1960 MHz	7.06	50.93	-2.94	2.93	5.87
Frequency : 1990 MHz	6.17	41.52	-3.83	2.49	6.32