



FCCID: OGD10330209

Addendum to Test Report for No Wires Needed Wireless LAN PCMCIA Card, model Swallow 1100.

Theoretical Processing Gain and Jammer to Signal Ratios 11Mbps DSSS Radio

Data Rate	Modulation	Symbol Rate (SyR) Sym per second	Spread Rate (SpR) chips per Symbol	Processing Gain $G_p=10\text{LOG}(SpR/SyR)$	Es/No+Lsys	Coding Gain	Calculated J/S Incl. Code gain	Allowed J/S for 10dB [10dB-Es/No+Lsys]
1Mbps	BPSK	1MSps	11McpS	10.4	12.4	0.0	-2.0	-2.4
2Mbps	QPSK	1MSps	11McpS	10.4	15.4	0.0	-5.0	-5.4
5.5Mbps	CCK4	1.375MSps	8McpS	9.0	15.6	2.0	-4.6	-5.6
11Mbps	CCK64	1.375MSps	8McpS	9.0	18.8	2.0	-7.8	-8.8

* Details on CCK modulation performance provided by Harris Semiconductor and Harris HFA3860B Data Sheet.