



FCCID: OGD10310308

Addendum to Test Report for No Wires Needed Wireless LAN Access Point and Bridge unit models: Parrot, Pelican, WBS and WBC 1100.

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

		Symbol Rate (SyR)	Spread Rate (SpR)	Processing Gain		Coding	Calculated J/S	Allowed J/S for 10dB
Data Rate	Modulation	Sym per second	chips per Symbol	$G_p=10\log(SpR/SyR)$	$E_s/No+L_{sys}$	Gain	Incl. Code gain	[10dB- $E_s/No+L_{sys}$]
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.