



WiBONE

Date: Sep.' 26' 2009'
No.: BA200909HC007

KWG-O6020-I 2km Field Test

Surf Anywhere!

FORMOSA





Time		2009/09/16	
Weather		Sunny	
Distance		2.5km	
Site in Taiwan		Chou-Na	Shun-Hi Harbor
GPS information	longitude	N 24°47'8.38"	N 24°45'55.36"
	latitude	E 120°54'53.23"	E 120°54'19.13"





Setup Information

WiBONE

Items	Settings
HW	AP: KWG-O6020-I v0.4 with ANT24-1202PC 12dBi onmi antenna CPE: KWG-O6020-I v0.4 with internal 8dBi directional antenna
FW	NB_F1.0.5
Test Tool	Chariot 5.0 / 60 seconds
Domain	FCC
Operation mode	AP/CPE
Wireless mode	802.11 b/g/n
Bandwidth	20M/40M
Date rate	Auto
Channel	4
Security	Disable
RSSI	-70

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Test Result

- Both AP and CPE use internal 8dBi antenna

Channel	Wireless mode	Bandwidth	AP→CPE (Mbps)	CPE→AP (Mbps)	AP↔CPE (Mbps)
4	802.11b/g/n	40MHz	65.598	70.709	72.043
		20MHz	39.353	44.872	42.311

- AP with 12dBi onmi and CPE with internal 8dBi antenna

Channel	Wireless mode	Bandwidth	AP→CPE (Mbps)	CPE→AP (Mbps)	AP↔CPE (Mbps)
4	802.11b/g/n	40MHz	64.871	76.224	75.997
		20MHz	37.491	42.898	40.148