

Model No.: AWS1705FOL

Product Description: High Gain Wireless-G 5 dBi Omni Long Range USB Adapter w/Light



The High Gain Wireless-G 5dBi Omni Antenna USB 2.0 Adapter combines the coverage extender benefits of a 5dBi high gain antenna, the versatility of a Wireless-G USB2.0 Wireless Adapter and the addition of a USB light into one complete solution.

If one was to use a High Gain Router or in Wireless HotSpot user's can receive the signals but cannot send back due to the poor coverage area of standard wireless products where the wireless signals does not have enough strength to send back to High Gain stations. With AWS1705FOL one will overcome the problem of sending signals back to High Gain Wireless Router or HotSpot due to the integration of High Gain 5dBi Omni Antenna and Wireless-G USB2.0 Adapter.

The "USB2.0 Wireless-G "Coverage Extender" will amplify your wireless signals to a greater distance, into reflective corners and hard-to-reach areas. In Wireless "Hot Spots" environments, you will benefit from the increased coverage to access "Hot Spot Gateway " without extra Access Point or Client Bridge , Power Adapter as AWS1705FOL is self powered through the USB port and requires no external power adapters so you can stay connected wherever you go.

Features

- Connects at a full 54Mbps via USB 2.0, up to 8 times faster than a USB 1.1 adapter
- High gain 5dBi for wireless range extender
- Compact size for greater flexibility
- Also compatible with USB 1.1 desktop and notebook computers
- Plug-and-Play Compatible with windows 98SE, 2000, Millennium, XP and Linux
- High security 64/128/256bit WEP Encryption, TKIP, WPA, 802.11i

* All specifications are subject to change without notice

** Theoretical wireless signal rate based on IEEE Standard 802.11g of chipset used. Actual Throughput will vary. Network conditions and environmental factors lower actual throughput rate and distance

Wireless-G USB 2.0 Adapter Specification

【WUB1700S / WUB1700SL】 Electrical Specifications	
Interface	USB 2.0 Standard, USB 1.1 Compliant
Standards Conformance	IEEE802.11 / 802.11b / 802.11g, ARIB STD-T66 compliant
Data Transfer Rate	IEEE802.11b : 1 / 2 / 5.5 / 11Mbps (auto sensing) IEEE802.11g : 6 / 9 / 12 / 18 / 24 / 36 / 48 / 54Mbps (auto sensing)
Access Method	Infrastructure Mode, Ad-Hoc Mode (802.11 Ad-Hoc), Roaming
Security	WEP 64/128/256bit, TKIP, WPA, 802.11i, compliant AES encryption
Quality of Service (QOS)	802.11e
Software AP	RTS/CTS support Fragment and Reassembly Power Saving support Hardware –WEP (64 and 128 bit) MAC address filter Support software bridge on Win 98 , WinME, Win2000, WinXP
International Regulation	802.11d
Frequency Range	IEEE802.11b : 2.4 to 2.497GHz IEEE802.11g : 2.4 to 2.4835GHz
Wireless Medium	OFDM & DSSS (with Barker coding and CCK for backward compatibility with 802.11b)
Media Access Protocol	CSMA / CA
Modulation Method	IEEE802.11b : DBPSK (1Mbps), DQPSK (2Mbps), CCK (5.5/11Mbps) IEEE802.11g : BPSK (6/9Mbps), QPSK (12/18Mbps), 16-QAM (24/36Mbps), 64QAM (48/54Mbps)
Operating Channels	1~11 (U.S. & Canada), 1~13 (channel availability depends on local regulations)
Transmit Power Settings	14dBm (OFDM) / 16dBm (CCK)
Receiver Sensitivity	1 Mbps : -88dBm 2 Mbps : -83dBm 5.5 Mbps : -79dBm 11 Mbps : -70dBm 12 Mbps : -76dBm 24 Mbps : -71dBm 36 Mbps : -67dBm 54 Mbps : -62dBm
Internal Antenna Type	5 dBi Omni Antenna

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LED Indicators	Power / Link
Power Consumption	-Power Save mode = 115mA -Standby mode = 20mA -Transmit mode = 420mA -Receive Mode = 120mA
Operating systems	Windows XP, Windows2000, Windows ME, 98SE, Linux
Environmental & Mechanical Characteristics	
Operating Temperature	32 °F ~ 131 °F (0 °C ~ 55 °C)
Storage Temperature	-13 °F ~ 158 °F (-20 °C ~ 70 °C)
Operating Humidity	10% to 80% Non-Condensing
Storage Humidity	5% to 90% Non-Condensing
Dimensions	188 (H) x 73 (W) x 73 (L) mm 【PCBA: 5(H) x 19(W) x 45(L) mm】
Weight	265g
Certifications	FCC part 15b 、 CE

Antennal Specifications	
Antenna Type	2.4GHz 5 dBi Indoor Omni Antenna
Frequency Range	2.4 ~ 2.5GHz
Network Specification	IEEE 802.11b , IEEE 802.11g , Wireless 2.4Ghz Network
Gain	5 dBi
V.S.W.R	< 2
Beam Width-H Plane	360°
Beam Width-E Plane	28°
Polarization	Vertical (Linear)
Input Impedance	50 Ohms
Operation Temperature	-20°C - + 70°C
Storage Temperature	-30°C - +85°C
Humidity	95% maximum (non-condensing)

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CCS WUGU Antenna Pattern

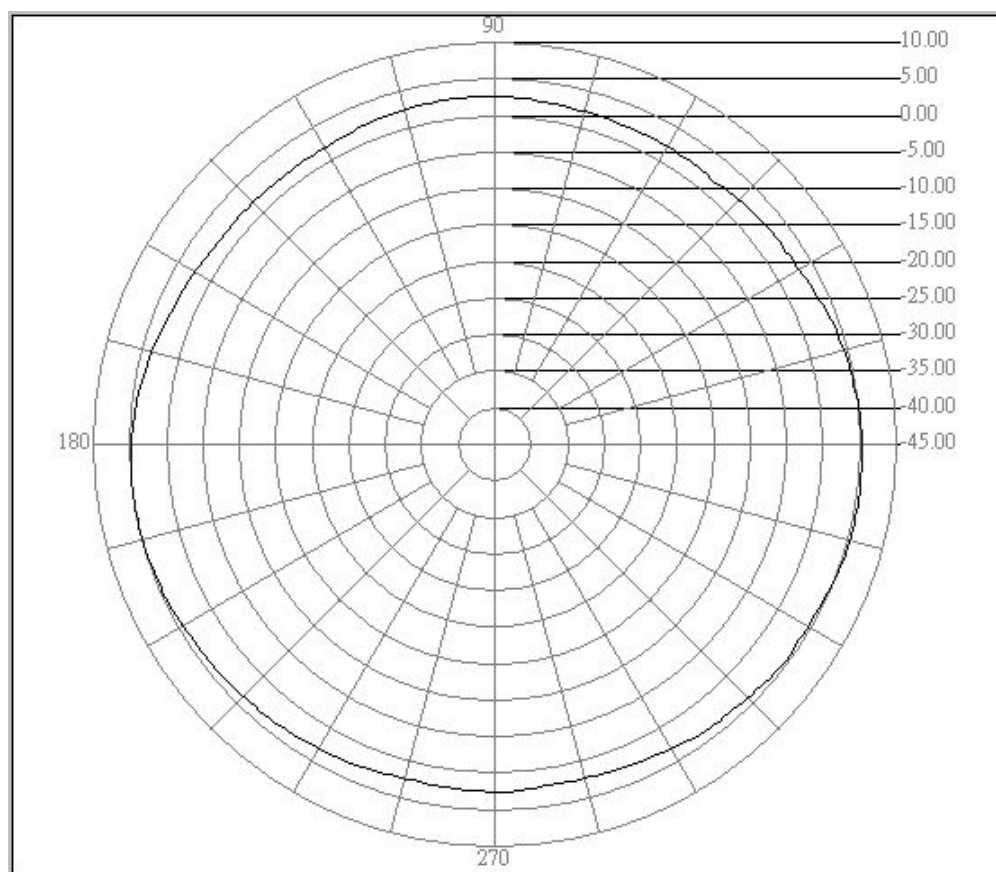
Job No.:3-30-97

Date:2005/3/14

Time:下午 06:40

Temp.(°C)/Hum.(%):25°C/60%

Tested by: ERIC



Center freq.(MHz): 2400

Polarization : H Plane

Max gain(dBi):5.47

Min gain(dBi):1.72

Avg gain(dBi):3.49

AWS1700FOL

PS: Added cable loss 1 dB.

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CCS WUGU Antenna Pattern

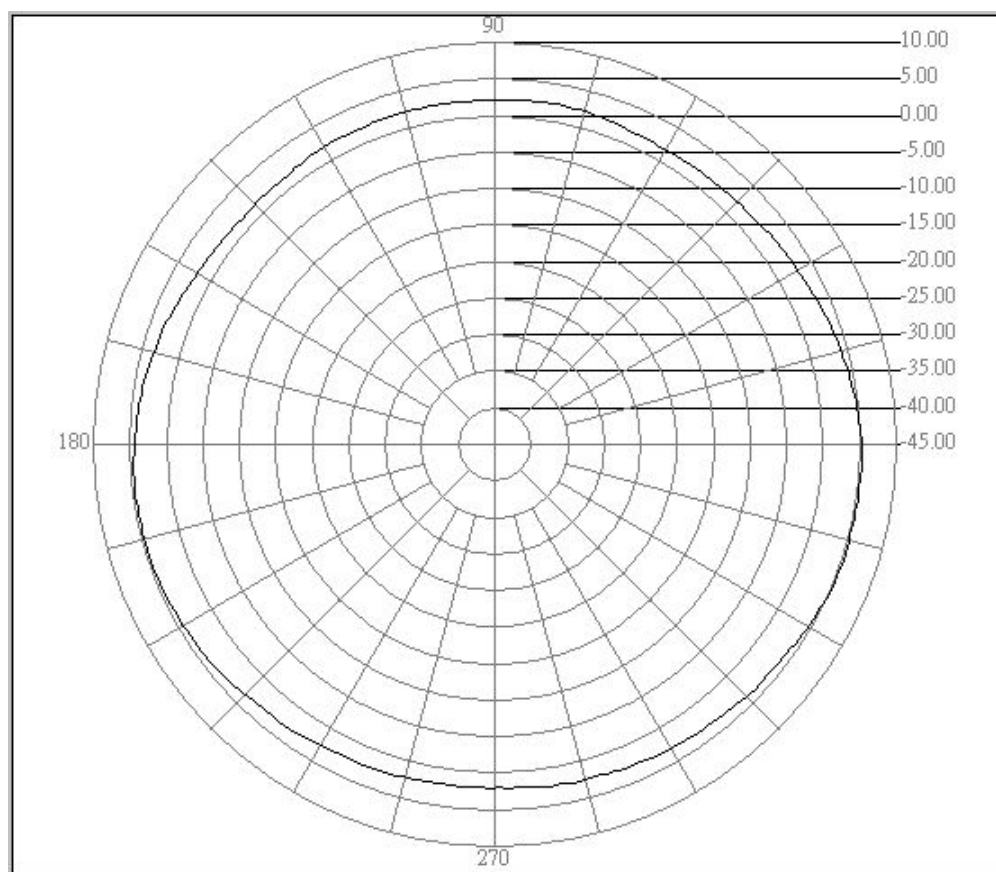
Job No.:3-30-96

Date:2005/3/14

Time:下午 06:38

Temp.(°C)/Hum.(%):25°C/60%

Tested by: ERIC



Center freq.(MHz): 2450

Polarization : H Plane

Max gain(dBi):5.32

Min gain(dBi):1.38

Avg gain(dBi):3.26

AWS1700FOL

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CCS WUGU Antenna Pattern

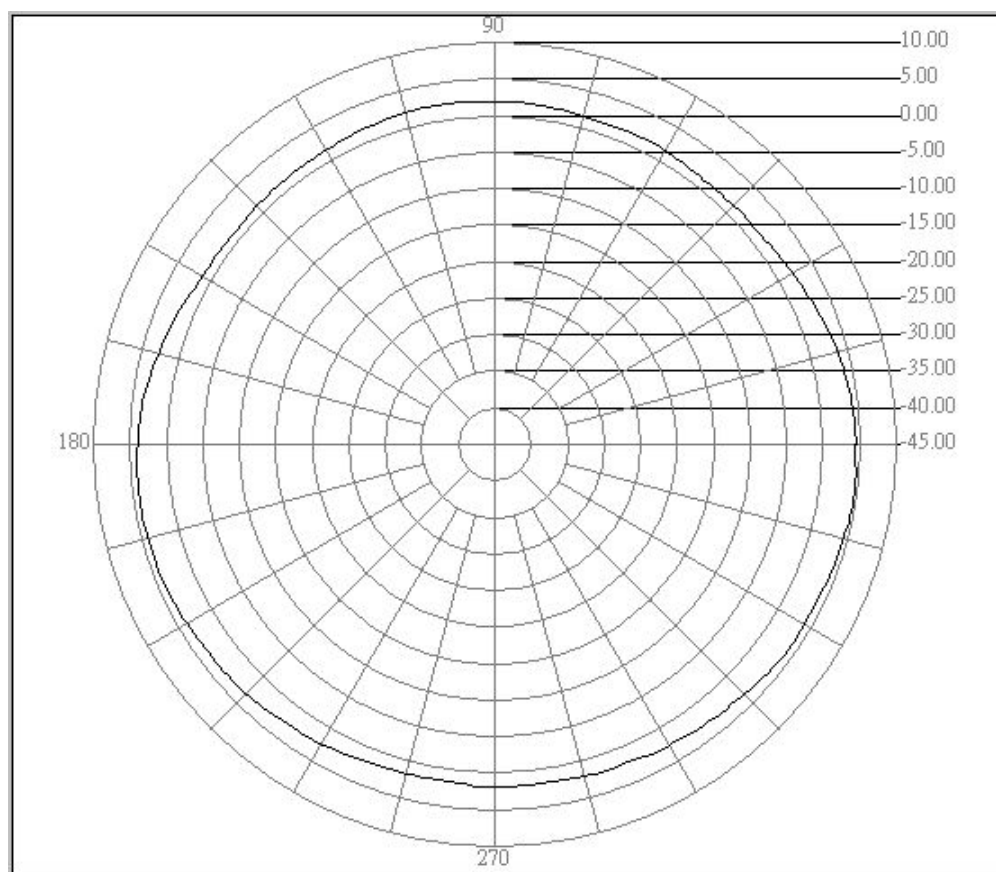
Job No.:3-30-98

Date:2005/3/14

Time:下午 06:46

Temp.(°C)/Hum.(%):25°C/60%

Tested by: ERIC



Center freq.(MHz): 2500

Polarization : H Plane

Max gain(dBi):4.72

Min gain(dBi):0.95

Avg gain(dBi):2.76

AWS1700FOL

PS: Added cable loss 1 dB.

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