



WiFi Silicon Wafer Antenna – More than 5000 micro antennas



Conventional antenna:

WiFi outdoor antenna b/g/n/nt-2

Wide area coverage, 1-3 km radius for **HOT ZONE**

Faster than wired by 2ⁿ times

Wifi 2.4GHz 802.1x b/g/n/nt-2

(Transponder - transceiver)

Broadband 108Mbps* x 2

Antenna (OFDM)

Faraday's cage

(lightning protection)

Transceiver amplifier

Power supply (UPS)

Solar panel (optional)

Battery (optional)

Model Clarity -2400 spread spectrum

Frequency range: 2400 – 2500 MHz

Bandwidth: 83 MHz

Gain: 19 dBi

Horizontal bandwidth: 360 deg

Vertical bandwidth: 106 deg

F/B ratio: ≥ 25 dB

VSWR: ≤ 1.5

Nominal impedance: 50 Ohm

Polarization: Vertical

Max Power: 100 W

Dimension: 20cm x 20cm x 50 cm

Mounting (floor/wall) 1.5m – 6.0m stand

Rated wind velocity: 60m/s

Connector: RJ11, RJ45, N Female or

Customization

Material : Aluminum, alloy, die cast,
fiberglass and stainless steel

Copyright © 2000-2008 Crystal Communication Sdn Bhd (patent pending)

No parts may be reproduced without a written permission from

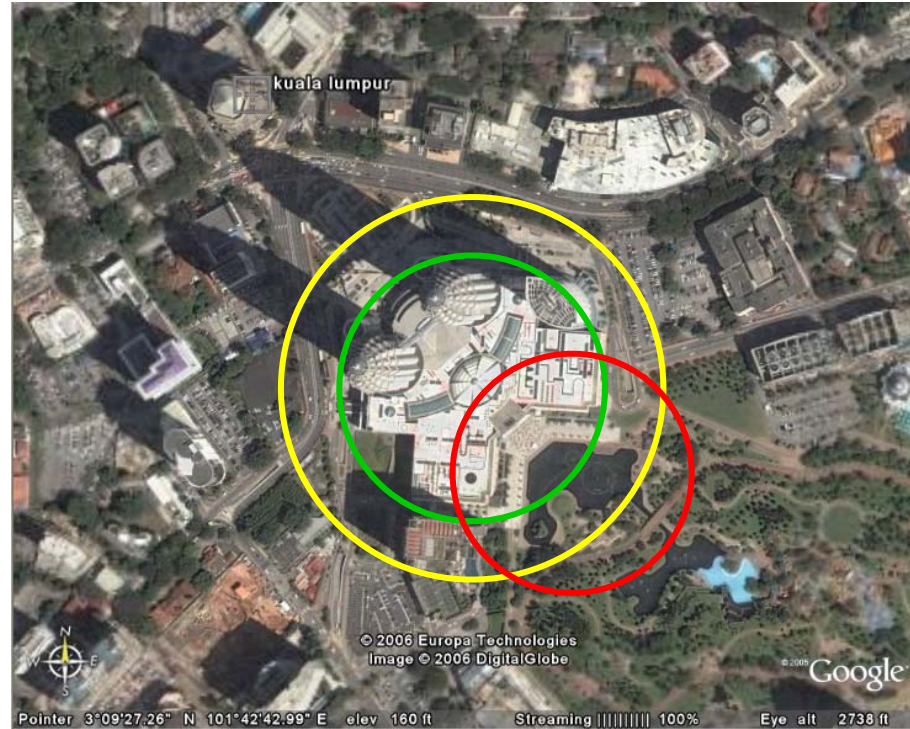
Crystal Communication Sdn Bhd (306943T)

Mobile: 0126977577, Email: crystalcommunication@yahoo.com

<http://www.geocities.com/crystalcommunication>



WiFi Silicon Wafer Antenna – More than 5000 micro antennas



Applications

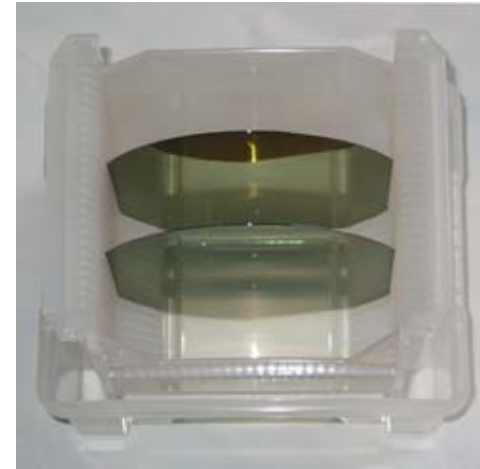
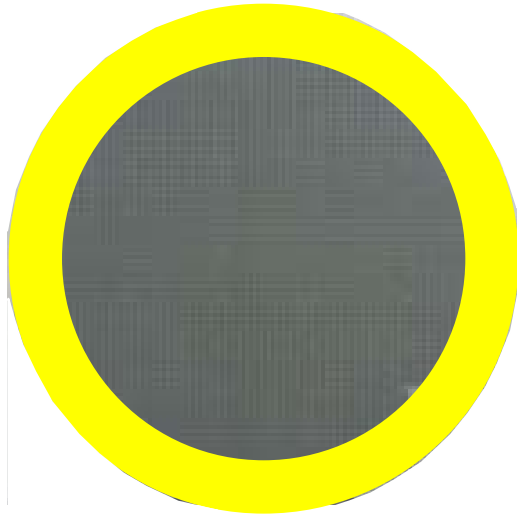


VoIP
Video phone
ID Police verification
JPJ verification
OMR (online meter reading)
-electricity, water, gas

TV, radio broadcast
CCTV
Email
Internet Surfing
Vehicle position locator
(antenna location)
Smart building



WiFi Silicon Wafer Antenna – More than 5000 micro antennas



WiFi Outdoor Silicon Wafer Antenna
More than 5000 micro antennas
>20,000 virtual antennas created
Long range >25 km transmit and received

**Silicon wafer fabricated
with 5000 antennas**



Antenna of the future is here

Copyright © 2000-2008 Crystal Communication Sdn Bhd (patent pending)

No parts may be reproduced without a written permission from

Crystal Communication Sdn Bhd (306943T)

Mobile: 0126977577, Email: crystalcommunication@yahoo.com

<http://www.geocities.com/crystalcommunication>