

Wifi To Array

We're using two etherants:

1. etherant G on the profile tower
 - a. connected to hub in profile data system
 - b. serves profile, downwind1 and pressure1 data systems
2. etherant G on the downwind tower # 10
 - a. connected to hub in downwind2
 - b. serves downwind2, upwind and pressure2

Currently seeing about 25 dB of signal from both antennas. signal -65 dBm, noise -90 dBm.

These etherants are served from wlan2-Ext-Ant on the AP24.

```
[admin@Alico] ip> ..
[admin@Alico] > interface wireless
[admin@Alico] interface wireless> print
Flags: X - disabled, R - running
0 X name="wlan1-Int-Ant" mtu=1500 mac-address=00:15:6D:10:29:B2 arp-enabled disable-running-check=no
interface-type=Atheros AR5213 radio-name="AP24-IntAnt" mode=ap-bridge
ssid="ISFF12" area="" frequency-mode=manual-txpower country=united states antenna-gain=25 frequency=2412
band=2.4ghz-b/g scan-list=default rate-set=default
supported-rates-b=1Mbps,2Mbps,5.5Mbps,11Mbps supported-rates-a/g=6Mbps,9Mbps,12Mbps,18Mbps,24Mbps,36Mbps,
48Mbps,54Mbps basic-rates-b=1Mbps basic-rates-a/g=6Mbps
max-station-count=50 ack-timeout=dynamic tx-power=13 tx-power-mode=all-rates-fixed noise-floor-
threshold=default periodic-calibration=default
periodic-calibration-interval=60 burst-time=disabled dfs-mode=radar-detect antenna-mode=ant-b wds-
mode=disabled wds-default-bridge=none wds-default-cost=100
wds-cost-range=50-150 wds-ignore-ssid=no update-stats-interval=disabled default-authentication=no default-
forwarding=no default-ap-tx-limit=0
default-client-tx-limit=0 proprietary-extensions=post-2.9.25 hide-ssid=yes security-profile=isffwep
disconnect-timeout=3s on-fail-retry-time=100ms preamble-mode=both
compression=no allow-sharedkey=no

1 R name="wlan2-Ext-Ant" mtu=1500 mac-address=00:15:6D:10:3C:BC arp-enabled disable-running-check=no
interface-type=Atheros AR5213 radio-name="AP24-ExtAnt" mode=ap-bridge
ssid="ISFF14" area="" frequency-mode=manual-txpower country=united states antenna-gain=0 frequency=2437
band=2.4ghz-b/g scan-list=default rate-set=default
supported-rates-b=1Mbps,2Mbps,5.5Mbps,11Mbps supported-rates-a/g=6Mbps,9Mbps,12Mbps,18Mbps,24Mbps,36Mbps,
48Mbps,54Mbps basic-rates-b=1Mbps basic-rates-a/g=6Mbps
max-station-count=50 ack-timeout=dynamic tx-power=25 tx-power-mode=all-rates-fixed noise-floor-
threshold=default periodic-calibration=default
periodic-calibration-interval=60 burst-time=disabled dfs-mode=radar-detect antenna-mode=ant-a wds-
mode=disabled wds-default-bridge=none wds-default-cost=100
wds-cost-range=50-150 wds-ignore-ssid=no update-stats-interval=disabled default-authentication=no default-
forwarding=no default-ap-tx-limit=0
default-client-tx-limit=0 proprietary-extensions=post-2.9.25 hide-ssid=yes security-profile=isffwep
disconnect-timeout=3s on-fail-retry-time=100ms preamble-mode=both
compression=no allow-sharedkey=no
```