

## NanoStation M365: 3.65GHz 2x2 MIMO AirMax TDMA Station

### 3.65GHz Carrier Class Performance



MIMO TDMA Protocol

| SYSTEM INFORMATION                    |   |                     |               |                 |
|---------------------------------------|---|---------------------|---------------|-----------------|
| Processor Specs                       | Atheros MIPS 24KC, 400MHz                             |                     |               |                 |
| Memory Information                    | 324MB SDRAM, 8MB Flash                                |                     |               |                 |
| Networking Interface                  | 2 X 10/100 BASE-TX (Cat. 5, RJ-45) Ethernet Interface |                     |               |                 |
| REGULATORY / COMPLIANCE INFORMATION   |   |                     |               |                 |
| Wireless Approvals                    | FCC Part 90Y  |                     |               |                 |
| RoHS Compliance                       | YES   |                     |               |                 |
| OPERATING FREQUENCY 3650MHz-3675MHz   |   |                     |               |                 |
| TX POWER SPECIFICATIONS               |   | RX SPECIFICATIONS   |               |                 |
|                                       | DataRate  | Avg. TX             | Tolerance     |                 |
| AirMax                                | MCS0  | 25 dBm              | +/-2dB        |                 |
|                                       | MCS1  | 25 dBm              | +/-2dB        |                 |
|                                       | MCS2  | 25 dBm              | +/-2dB        |                 |
|                                       | MCS3  | 25 dBm              | +/-2dB        |                 |
|                                       | MCS4  | 24 dBm              | +/-2dB        |                 |
|                                       | MCS5  | 23 dBm              | +/-2dB        |                 |
|                                       | MCS6  | 22 dBm              | +/-2dB        |                 |
|                                       | MCS7  | 20 dBm              | +/-2dB        |                 |
|                                       | MCS8  | 25 dBm              | +/-2dB        |                 |
|                                       | MCS9  | 25 dBm              | +/-2dB        |                 |
|                                       | MCS10   | 25 dBm              | +/-2dB        |                 |
|                                       | MCS11   | 25 dBm              | +/-2dB        |                 |
|                                       | MCS12   | 24 dBm              | +/-2dB        |                 |
|                                       | MCS13   | 23 dBm              | +/-2dB        |                 |
|                                       | MCS14   | 22 dBm              | +/-2dB        |                 |
| MCS15                                 | 20 dBm  | +/-2dB              |               |                 |
|                                       | DataRate  | Sensitivity         | Tolerance     |                 |
| Airmax                                | MCS0  | -94 dBm             | +/-2dB        |                 |
|                                       | MCS1  | -93 dBm             | +/-2dB        |                 |
|                                       | MCS2  | -90 dBm             | +/-2dB        |                 |
|                                       | MCS3  | -89 dBm             | +/-2dB        |                 |
|                                       | MCS4  | -86 dBm             | +/-2dB        |                 |
|                                       | MCS5  | -83 dBm             | +/-2dB        |                 |
|                                       | MCS6  | -77 dBm             | +/-2dB        |                 |
|                                       | MCS7  | -74 dBm             | +/-2dB        |                 |
|                                       | MCS8  | -93 dBm             | +/-2dB        |                 |
|                                       | MCS9  | -91 dBm             | +/-2dB        |                 |
|                                       | MCS10   | -89 dBm             | +/-2dB        |                 |
|                                       | MCS11   | -87 dBm             | +/-2dB        |                 |
|                                       | MCS12   | -84 dBm             | +/-2dB        |                 |
|                                       | MCS13   | -79 dBm             | +/-2dB        |                 |
|                                       | MCS14   | -78 dBm             | +/-2dB        |                 |
| MCS15                                 | -75 dBm   | +/-2dB              |               |                 |
| PHYSICAL / ELECTRICAL / ENVIRONMENTAL |   |                     |               |                 |
| Enclosure Size                        | 29.4 cm x 8 cm x 3 cm                                 |                     |               |                 |
| Weight                                | 0.5 kg  |                     |               |                 |
| Enclosure Characteristics             | Outdoor UV Stabilized Plastic                         |                     |               |                 |
| Mounting Kit                          | Pole Mounting Kit included                            |                     |               |                 |
| Max Power Consumption                 | 8 Watts   |                     |               |                 |
| Power Supply                          | 24V, 1A POE Supply Included                           |                     |               |                 |
| Power Method                          | Passive Power over Ethernet (pairs 4,5+; 7,8 return)  |                     |               |                 |
| Operating Temperature                 | -30C to 75C   |                     |               |                 |
| Operating Humidity                    | 5 to 95% Condensing                                   |                     |               |                 |
| Shock and Vibration                   | ETSI300-019-1.4                                       |                     |               |                 |
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| INTEGRATED DUAL-POLARITY ANTENNA      |   |                     |               |                 |
| Frequency Range                       | 3.3-3.8GHz  | Max VSWR            | 1.4:1         |                 |
| Gain                                  | 12.2-13.7 dBi   | H-pol Beamwidth     | 60 deg.       |                 |
| Polarization                          | Dual Linear   | V-pol Beamwidth     | 60 deg.       |                 |
| Cross-pol Isolation                   | 28dB minimum  | Elevation Beamwidth | 20 deg.       |                 |
|                                       |   |                     |               |                 |
| VSWR                                  | H-Pol Azimuth   | H-Pol Elevation     | V-Pol Azimuth | V-Pol Elevation |