

## 2496 -2690MHz, Sector Antenna, FT

The parameters in this specification follow the definitions and recommendations per NGMN P-Basta, Release 9.6

|                                             |                                     |
|---------------------------------------------|-------------------------------------|
| LTE band                                    | 41                                  |
| Frequency range                             | 2496– 2690 MHz                      |
| Average gain to RF connector                | 11 ± 1.0dBi                         |
| Azimuth HPBW                                | 65° ± 10°                           |
| Elevation HPBW                              | 30° ± 5°                            |
| Polarisation discrimination at 0°           | 18 dB                               |
| Front to back ratio (CoPol)                 | ≥ 23 dB                             |
| Polarisation                                | Dual Slant ±45°                     |
| Electrical Down-tilt                        | 0°                                  |
| Impedance                                   | 50 ohms                             |
| First side-lobe level                       | ≤ -20 dB                            |
| VSWR                                        | ≤ 1.5:1                             |
| Isolation between RF Ports                  | ≥ 20 dB                             |
| Average transmission power per polarisation | 26 dBm                              |
| Peak transmission power per polarisation    | 36 dBm                              |
| Recommended maximum dimensions PCB (mm)     | See Outline Drawing on P2           |
| Connector type                              | 2 x MMCX Extended Connectors        |
| Cable Type                                  | RG405-Semi Flex                     |
| Cable Length                                | 317mm ± 3mm                         |
| Connector to Cable Spec                     | See Outline Drawing on P2           |
| Labelling                                   | 22 & 21                             |
| DC Grounding                                | All Antenna ports to be DC grounded |



AW3702 Picture TBD



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\* Alpha Wireless are always improving products; specification subject to change without notice.

# AW3702-3 Revision Control Sheet



| Revision | Author     | Date       | Description     | Approved by Airspan |
|----------|------------|------------|-----------------|---------------------|
| 0        | Petr Svarc | 21/02/2019 | Initial Release |                     |
|          |            |            |                 |                     |

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