

**I-ATPS6-43-698/3800M-3030**

High Capacity Venue Panel MIMO Antenna 698-3800 MHz

The high capacity venue MIMO antenna I-ATPS6-43-698/3800M-3030 is designed for broadband DAS applications supporting all kind of safety as well as 4G and 5G commercial wireless communication networks.

The antenna is specifically optimized for stadium applications to allow for capacity optimized designs with a minimum of interferences between individual sectors.

The antenna combines an aesthetical design with superior electrical characteristics notably a PIM optimized design to minimize network interferences. The antenna is constructed from lightweight materials ideal for easy ceiling mounting. The low profile and off-white radome blends easily into most building aesthetics with minimum visual impact.

FEATURES / BENEFITS

- Wideband panel antenna supporting the frequency bands 698-960MHz /1695-2700MHz / 3300-3800MHz
- Ideally suited for high capacity venues as stadiums
- Indoor distribution of 2G/3G/4G/5G wireless networks ideally combined with multi-band MIMO
- High level of side lobe suppression minimizing interferences between sectors
- PIM optimized antenna design (-150dBc @2x20W)
- Low sidelobes
- Consistent pattern over the full spectrum
- Aesthetical visual appearance, compact and light weight
- 4.3-10 female connector



I-ATPS6-43-698/3800M-3030

Technical features**GENERAL SPECIFICATIONS**

| | | |
|--------------------|--|----------------------------------|
| Product Type | | High Capacity Venue MIMO Antenna |
| Techn. Application | | Indoor |

MECHANICAL SPECIFICATIONS

| | | |
|--------------------------|---------|---------------|
| Number of Input Ports | | 2 |
| Connectors | | 4.3-10 female |
| Height (Less Connectors) | mm (in) | 95 (3.7) |
| Width (Less Connectors) | mm (in) | 695 (27.4) |
| Length (Less Connectors) | mm (in) | 695 (27.4) |
| Weight | kg (lb) | 11 (24.3) |

ELECTRICAL SPECIFICATIONS

| | | | | | | |
|-----------------------------|-----|-----------------------|-----------|-------------|-------------|-------------|
| Frequency | MHz | 698 - 800 | 800 - 960 | 1695 - 2180 | 2180 - 2700 | 3300 - 3800 |
| Gain, typ. | dBi | 11.5 | 12.0 | 13.0 | 13.5 | 13.5 |
| VSWR / Return Loss | max | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| Beamwidth, Vertical, typ. | ° | 35 | 31 | 34 | 29 | 30 |
| Beamwidth, Horizontal, typ. | ° | 35 | 31 | 34 | 29 | 30 |
| Isolation | dB | 26 | 26 | 26 | 26 | 29 |
| Front-to-Back Ratio | dB | 25 | 25 | 25 | 25 | 28 |
| Maximum Input Power | W | 200 | 200 | 200 | 200 | 100 |
| Impedance, Ohm | Ω | 50 | | | | |
| Polarization | | +/- 45° | | | | |
| Intermodulation (IM3) | | - 150dBc with 2 x 20W | | | | |



MATERIAL

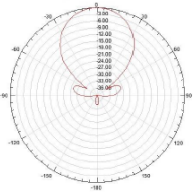
| | | |
|-----------------|--|------------------------|
| Radome Material | | ABS, ASA, UV resistant |
| Radome Color | | White |

TEMPERATURE SPECIFICATIONS

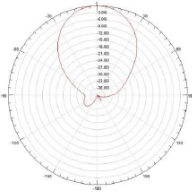
| | | |
|-----------------------|---------|-------------------------|
| Operation Temperature | °C (°F) | -40 to 60 (-40 to 140) |
|-----------------------|---------|-------------------------|

TESTING AND ENVIRONMENTAL

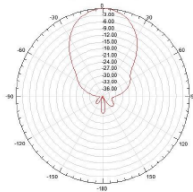
| | | |
|---------------------|--|------|
| Environmental Class | | IP65 |
|---------------------|--|------|



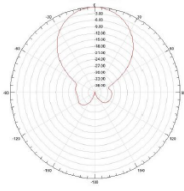
698-960MHz



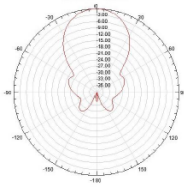
1695-2690MHz
Vertical



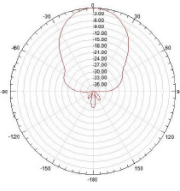
3300-3800MHz



698-960MHz



1695-2690MHz
Horizontal



3300-3800MHz

External Document Links

Notes