GALTRONICS

Ultra Wideband MIMO DAS Antenna [617-960, 1695-2690, 3300-4200 MHz]

HyperFlat™ GI1202-07362

Description/Features:

Not recommended for metal ceiling applications. For antenna installation on metal ceilings, please contact your local Galtronics sales representative.

- HyperFlat™ design minimizes aesthetic impact
- Patent Pending technology - only 3.6mm/0.143" thick with excellent gain/coverage
- Omnidirectional antenna covering 617-960, 1695-2690 & 3300-4200 MHz for DAS applications requiring ceiling mounted omni antennas
- Optional external MK-07470 reflector available to optimize RF performance and reduce unwanted backside radiation

617-960, 1695-2690 and 3300-4200 MHz
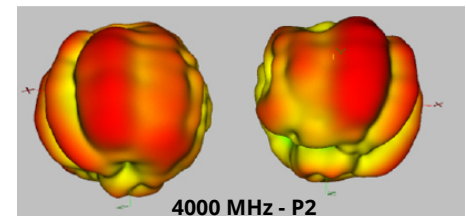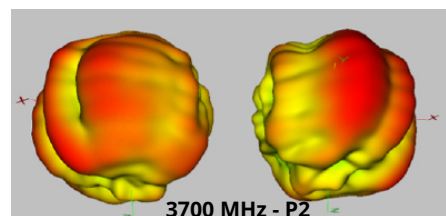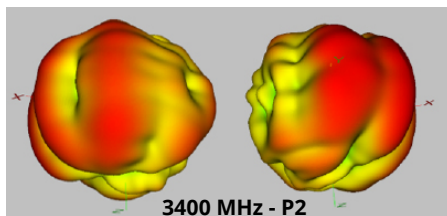MIMO HyperFlat™ Omni DAS Antenna
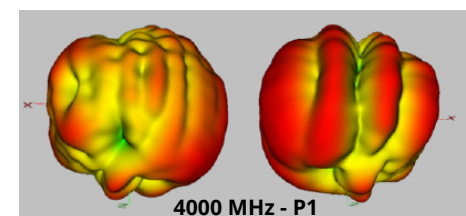
Electrical Specifications

Frequency Band [MHz]	617-698	698-806	806-960	1695-1850	1850-1990	1990-2200	2200-2400	2400-2690	3300-4200
Input Connector Type	2x 4.3-10(F) Pigtail (19.7"/500 mm)								
Isolation (dB)	12			22			24		
VSWR /RL (dB) With/Without MK-07470 Reflector	1.92:1 / 10.0	1.7:1 / 12.0 except 1.5:1 / 14.0 in the following bands: 746-787 MHz/824-894 MHz/1710-1780 MHz/1850-1990 MHz/2110-2200 MHz/3550-3980 MHz							
Polarization	Linear								
Horizontal Beamwidth (°)	Omni (360)								
Gain (dBi, max.)	4.6	4.7	5.1	4.3	4.4	5.7	5.4	5.4	6.1
Gain (dBi, avg.)	4.0	4.2	4.3	3.3	3.7	4.9	4.7	4.7	5.3
Max Power / Port (Watt)	50 @77°F (25°C)								
PIM @ 2x43 dBm (dBc)	-153								-145
Impedance (Ω)	50								

Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	0.60 lbs (0.27kg)
Antenna Dimensions (diameter x height)	12.0" (304.8 mm) x 0.143" (3.6 mm)
Flammability	UL94-V0 Compliant
Pigtails	Plenum Rated
RoHS	Compliant
Colors*	White, Gray & Black
Environmental Rating	Indoor

* Minor variation of each specific color is natural.

3D Antenna Patterns

617 MHz - P1

788 MHz - P1

894 MHz - P1

617 MHz - P2

788 MHz - P2

894 MHz - P2

1695 MHz - P1

2200 MHz - P1

2690 MHz - P1

1695 MHz - P2

2200 MHz - P2

2690 MHz - P2

3400 MHz - P1

3700 MHz - P1

4000 MHz - P1

3400 MHz - P2

3700 MHz - P2
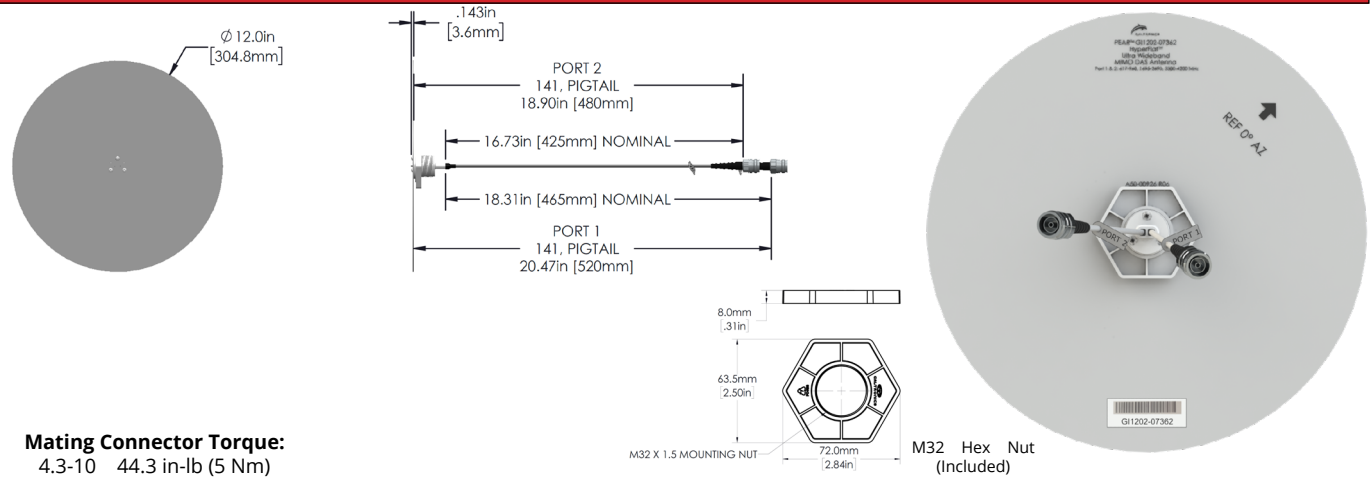

4000 MHz - P2
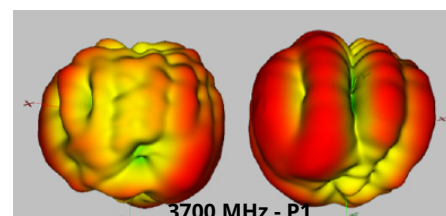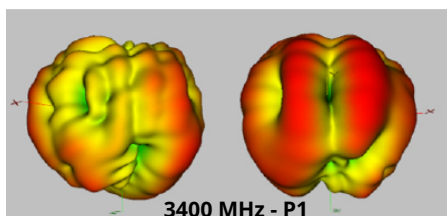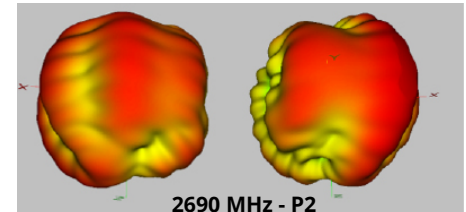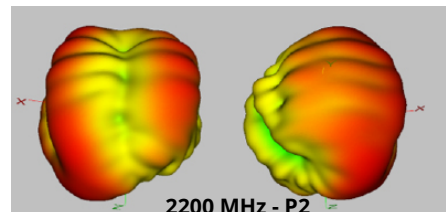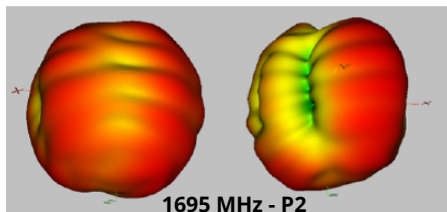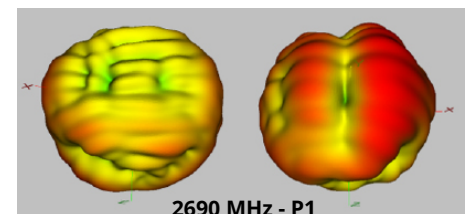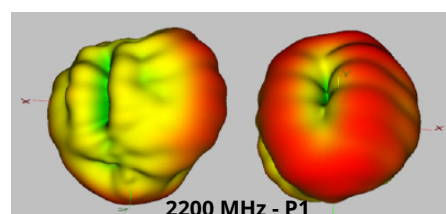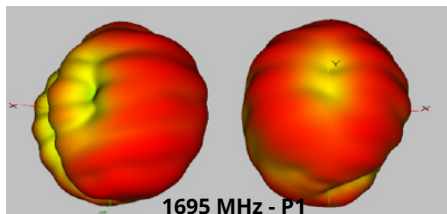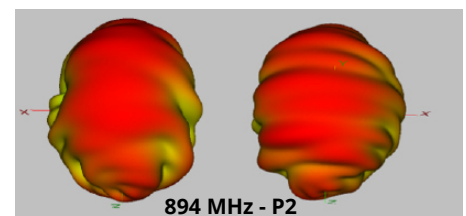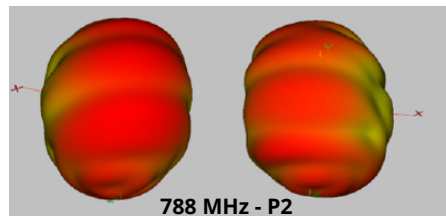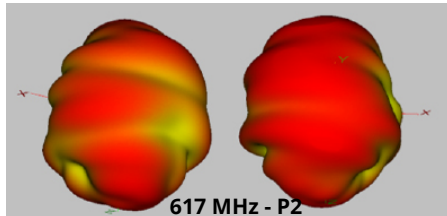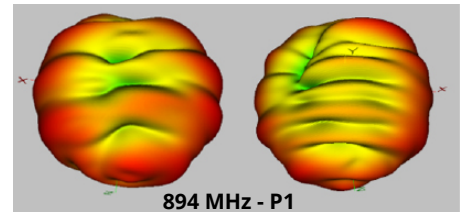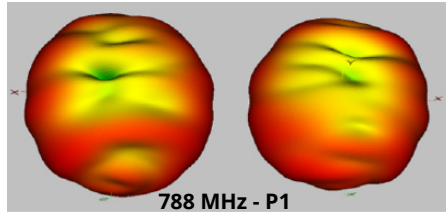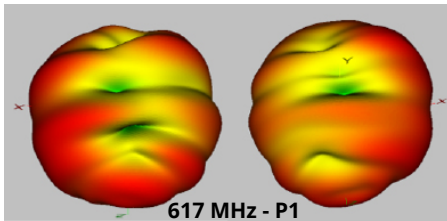
3D Patterns Note:
3D images above denote X & Y Axes in horizontal plane, while Z-axis is in vertical plane towards floor/user as would be typical of most DAS ceiling mounted omnidirectional antenna installations. Y-axis corresponds to "**REF 0º AZ**" orientation arrow on rear of antenna (see outline - page 3).

RFD#: 7362 ; Revision: R5 ; Release Date: July 19, 2023;
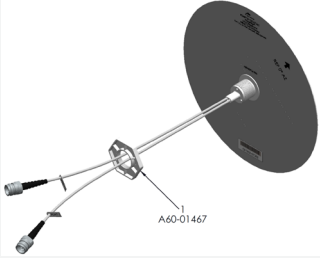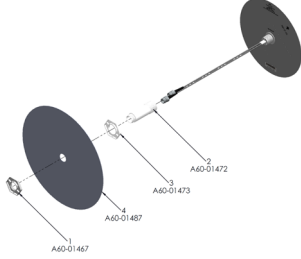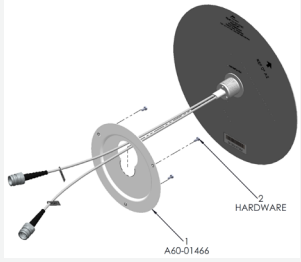
Antenna Outline and Bottom View with Label

Ø 12.0in
[304.8mm]

.143in
[3.6mm]

PORT 2
141, PIGTAIL
18.90in [480mm]

16.73in [425mm] NOMINAL

18.31in [465mm] NOMINAL

PORT 1
141, PIGTAIL
20.47in [520mm]

8.0mm
.31in

63.5mm
2.50in

M32 X 1.5 MOUNTING NUT

72.0mm
[2.84in]

M32 Hex Nut
(Included)

REF 0° A1

GI1202-07362

Mating Connector Torque:
4.3-10   44.3 in-lb (5 Nm)

Part Numbers, Ordering Options

Description	Color*	Mounting Kit	Part Number
HyperFlat™ DAS MIMO Omni Antenna with 18.9"-20.5" (480-520mm) 4.3/10(F) Pigtails	White	Includes M32 Mounting Hex Nut for Ceiling Tile Installation	GI1202-07362-212
	Gray		GI1202-07362-112
	Black		GI1202-07362-B12
HyperFlat™ DAS MIMO Omni Antenna with 18.9"-20.5" (480-520mm) 4.3/10(F) Pigtails and MK-07470 Reflector Kit	White	Includes M32 Mounting Hex Nut for Ceiling Tile Installation and MK-07470 Reflector Kit	GI1202-07362-21R
	Gray		GI1202-07362-11R
	Black		GI1202-07362-B1R

Mounting Bracket(s):

Below Ceiling Installation (Included)

Plastic Hex Nut for below suspended ceiling mounting included with antenna. Maximum ceiling thickness 0.75" (19 mm).

Instructions: Drill a 47 mm minimum (1.875" nominal) hole in the ceiling tile. Secure the antenna to the ceiling tile with the supplied plastic nut on backside.

NOT RECOMMENDED FOR FLUSH MOUNTING TO METAL CEILINGS (except when using the external reflector kit with spacer)

A60-01467

External Reflector/Ground Plane (Optional)

Optional external ground plane be placed above the antenna (on backside of ceiling tile) to improve gain, and limit potential unwanted backside RF radiation. The MK-07470 is supplied with spacer collar and plastic hex nut to locate the reflector securely in place.

MK-07470

A60-01472
A60-01473
A60-01487
A60-01467

Hard Ceiling Installation Bracket (Optional)

The hard ceiling mounting bracket allows for installation onto drywall, wood or plastic ceilings possible by eliminating additional access above the antenna.

NOT RECOMMENDED FOR FLUSH MOUNTING TO METAL CEILINGS

MK-07515

HARDWARE

A60-01466

* Minor variation of each specific color is natural.