

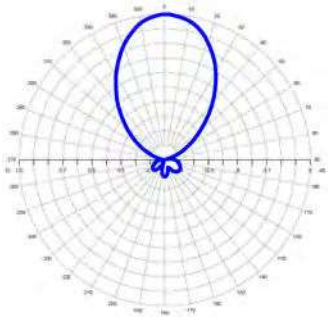
ELECTRICAL DATA

WORKING BAND: 470÷862 MHz
BANDWIDTH: UHF IV/V band
GAIN: 11 dBd (13,2 dBi)
VSWR: ≤ 1,1:1 (-26,4 dB)
POLARIZATION: horizontal
IMPEDANCE: 50 Ohm balanced
HALF POWER BEAMWIDTH:
 E-Plane - 57°
 H-Plane - 23°

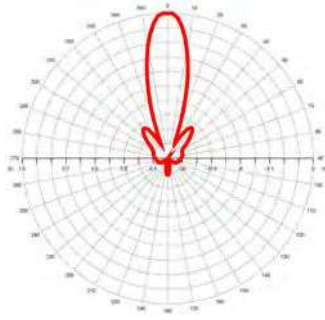
LIGHTNING PROTECTION: all metal parts DC grounded including inner conductors

AVAILABLE VERSION AND CODE:

ATU0807420 - DIN 7/16 female - max 1000W (r.m.s.)
 ATU0807421 - EIA 7/8" flange - max 2500W (r.m.s.)
 ATU0807422 - N female - max 400W (r.m.s.)



E-Plane



H-Plane

MECHANICAL DATA

MATERIALS: reflector in stainless steel, lines and dipoles in copper and brass, teflon isolators, silicon O-Rings.

MOUNTING: directly on supporting structure via 4 holes Ø8mm

MOUNTING BRACKETS: optional fixed brackets (cod. XZATUF) tilttable brackets (cod. XZATU)

ICING PROTECTION: SMC (fiberglass) radome - grey color

TREATMENTS: silver-plated lines, dipoles and connector

PRESSURIZATION: 5,0 psi

ANTENNA DIMENSIONS: 450x1000x250 mm

WEIGHT: 13 Kg net

WIND SURFACE: 0,45 m² front - 0,22 m² side

WIND LOAD (at 160Km/h and 30° C air temperature):

85 Kg front - 41,5 Kg side

SURVIVAL WIND: 220Km/h

PACKING DIMENSIONS: box 530x1050x370 mm - 15,5Kg

SPECIAL FEATURES: colored radome upon request

ARRAY DATA

BAY	PANEL PER BAY	SYSTEM GAIN (dBd) ¹	GAIN TIMES ¹	WEIGHT (Kg) ²	SYSTEM HEIGHT (mt)	WIND LOAD (Kg) ³
2	1	15,07	30,14	35	2,2	170,1
4	1	18,11	64,71	70	4,6	340,1
6	1	19,89	97,50	105	7,0	510,2
8	1	21,15	130,31	140	9,4	680,2
12	1	22,92	195,88	220	14,2	1020,4
1	2	9,13	8,18	35	1,0	126,5
2	2	12,18	16,52	70	2,2	253,0
4	2	15,23	33,34	140	4,6	506,0
6	2	17,01	50,23	220	7,0	759,0
8	2	18,27	67,14	330	9,4	1012,0
12	2	20,04	100,92	440	14,2	1518,0
1	3	7,59	5,74	50	1,0	168,0
2	3	10,65	11,61	100	2,2	336,0
4	3	13,70	23,44	200	4,6	672,0
6	3	15,48	35,31	310	7,0	1008,0
8	3	16,75	47,31	450	9,4	1344,0
12	3	18,52	71,12	620	14,2	2016,0
1	4	5,57	3,60	70	1,0	168,0
2	4	8,63	7,29	140	2,2	336,0
4	4	11,69	14,75	280	4,6	672,0
6	4	13,48	22,28	440	7,0	1008,0
8	4	14,74	29,78	660	9,4	1344,0
12	4	16,52	44,87	880	14,2	2016,0

1 - gain referred at mid band - 1° null filling and electrical tilt not take into account

2 - mounting hardware not take into account

3 - 160Km/h wind and 30° C air temperature

ATU 08 07 42x

**UHF
Band IV/V
TV Broadcasting**

Pannello a 4 dipoli.
 Irradiazione direttiva.
 Adatta per sistemi collineari o con accoppiamenti a 90°.
 Pressurizzabile.
 Banda larga 470 ÷ 862 MHz.

*4 dipoles panel.
 Directional radiation pattern.
 Suitable for stacked or 90° couplings arrays.
 Pressurizable.
 Broadband 470 ÷ 862 MHz.*



COLORED RADOME UPON REQUEST