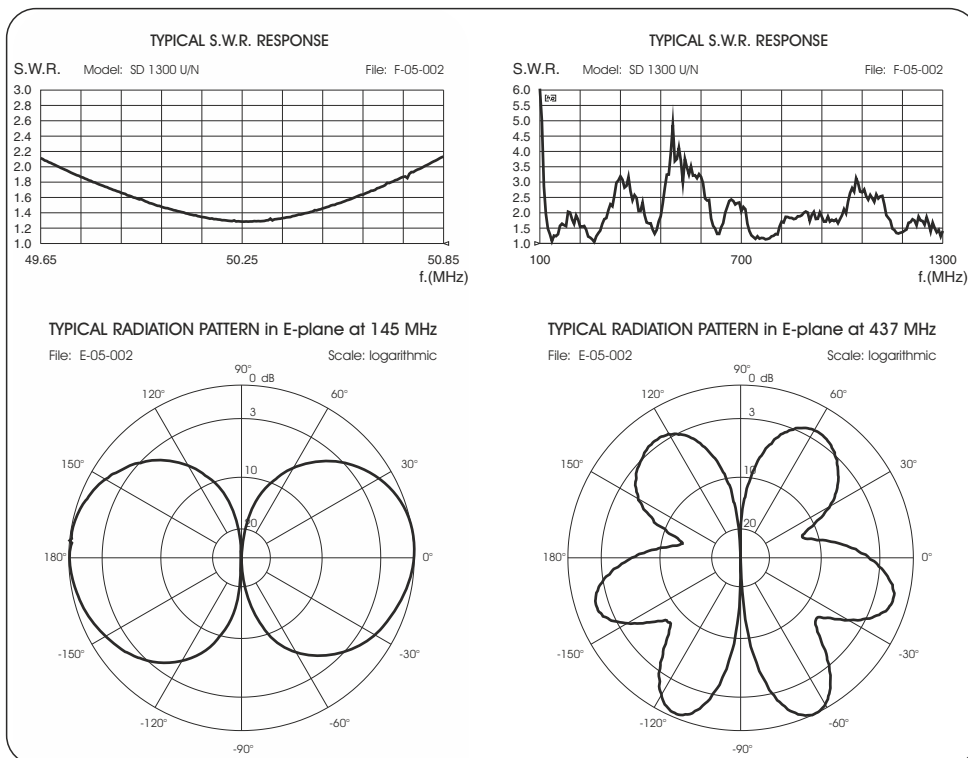




SD 1300 U/N

Wide-band Base Station Antenna



Installation Manual

SPECIFICATIONS

Electrical Data

Type	: Discone
Frequency Range	: 25-1300 MHz
(RX band)	: 49.5...50.5; 120...180; 215...300; 415...465 MHz
(TX band @ ≤ 2:1)	: 610...650; 700...1000; 1130...1300 MHz
Impedance	: 50 Ω
Radiation (H-plane)	: 360° Omnidirectional, HCM code =000ND00
Radiation (E-plane)	: Frequency dependente, see the pattern
Radiation angle	: Frequency dependente, see the pattern
Polarization	: Linear Vertical
Gain	: 0 dBd - 2.2 dBi @ lowest frequency
Max Power	: VHF 300 Watts; UHF 200 Watts (CW)
Feed System / Position	: Direct / Center
Connector	: SD 1300 N = N-Female, gold plated central pin SD 1300 U = UHF-Female, gold plated central pin

Mechanical Data

Materials	: Aluminium, Chromed Brass, Stainless Steel, Nylon
Wind Load / Resistance	: 66N @ 150 Km/h / 130 Km/h, 80 mi/h
Wind Surface	: 0.06 m², 0.64 ft²
Height (approx.)	: 1600 mm, 5.3 ft
Weight (approx.)	: 1140 gr, 2.5 lb
Cone radial length (approx)	: 810 mm, 2.7 ft
Mounting Mast	: Ø 25-60 mm, Ø 1-2.4 in



MOUNTING INSTRUCTIONS

Mounting needed tools:

7 mm open key (pos.4)
10 mm open key (pos.12)
13 mm open key (pos.1)
screw driver cross point

Parts List

Pos	Q.ty	Description
1	1	Vertical radiator
2	1	M8 AISI 304 washer
3	1	Main base with connector
4	8	282mm Horizontal disc radiators
5	8	M4x5 AISI304 screws cone point
6	1	2 mm Allen key
7	8	Ø5mm plastic pins
8	8	Ø5x810mm AISI304 cone tubes
9	3	M4x6 AISI304 screws
10	3	M4 AISI304 washers
11	1	Ø32x820mm Anodized alum.tube
12	6	M6 AISI304 nut
13	6	M6 AISI304 washer
14	2	M6x206 AISI304 V-bolt
15	2	Extruded aluminium bracket
16	2	M6x20 AISI304 exa. head screws
17	8	Ø5mm plastic cap

