

Uppgjord (även faktaansvarig om annan) - Prepared (also subject responsible if other)		Nr - No.	
SG/ERA/LZ/TG ERAABE		1301-KRE 101 1860 Uen	
Dokansv/Godk - Doc respons/Approved	Kontr - Checked	Datum - Date	Rev
ERA/LZ/TGC (Leif-Olof Fager)		1999-01-07	A
		File	

ANTENNA



1 GENERAL

1.1 DESCRIPTION

800-900 MHz panel antenna for base stations. Two independent systems for +45° and -45° polarization. Array of dipole elements covered with a fibre glass radome. Coaxial network feeding system.

2 CHARACTERISTIC VALUES

2.1 ELECTRICAL DATA

Frequency range:	806-960 MHz
Power:	500 W
VSWR:	<1.5
Gain:	870-960 MHz: 2 x 12.5 dBi
	806-870 MHz: 2 x 12 dBi
+45° polarization beamwidth:	horizontal = 65°, vertical =27°
-45° polarization beamwidth:	horizontal = 65°, vertical =27°
Decoupling between systems:	> 30 dB
Polarization:	+45°, -45°
Lightning protection:	direct ground

Other electrical data according to basic specification 2/1029-COA 109 120 Uen.

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2.2 MECHANICAL DATA

Rated wind velocity: 55 m/s
 Wind load at 42 m/s: 240 N
 Wind load area: 0.2 m²
 Connector type: 7/16 (2 pcs)
 Mounting hardware: clamp for 50-115 mm tube incl.
 Radome material: fibre glass
 Colour: grey

2.3 DIMENSIONS

Height: 656 mm
 Width: 262 mm
 Depth: 116 mm
 Weight: 6 kg

3 ENVIRONMENTAL ENDURANCE

According to 2/1029-COA 109 120 Uen.

4 INTERNAL INFORMATION

Supplier: Kathrein, Germany

5 PRODUCT LIST

Product no	Supplier code
KRE 101 1860/1	*)

*) consisting of:
 antenna: 739 620
 clamp: 738 546 (2 pcs)