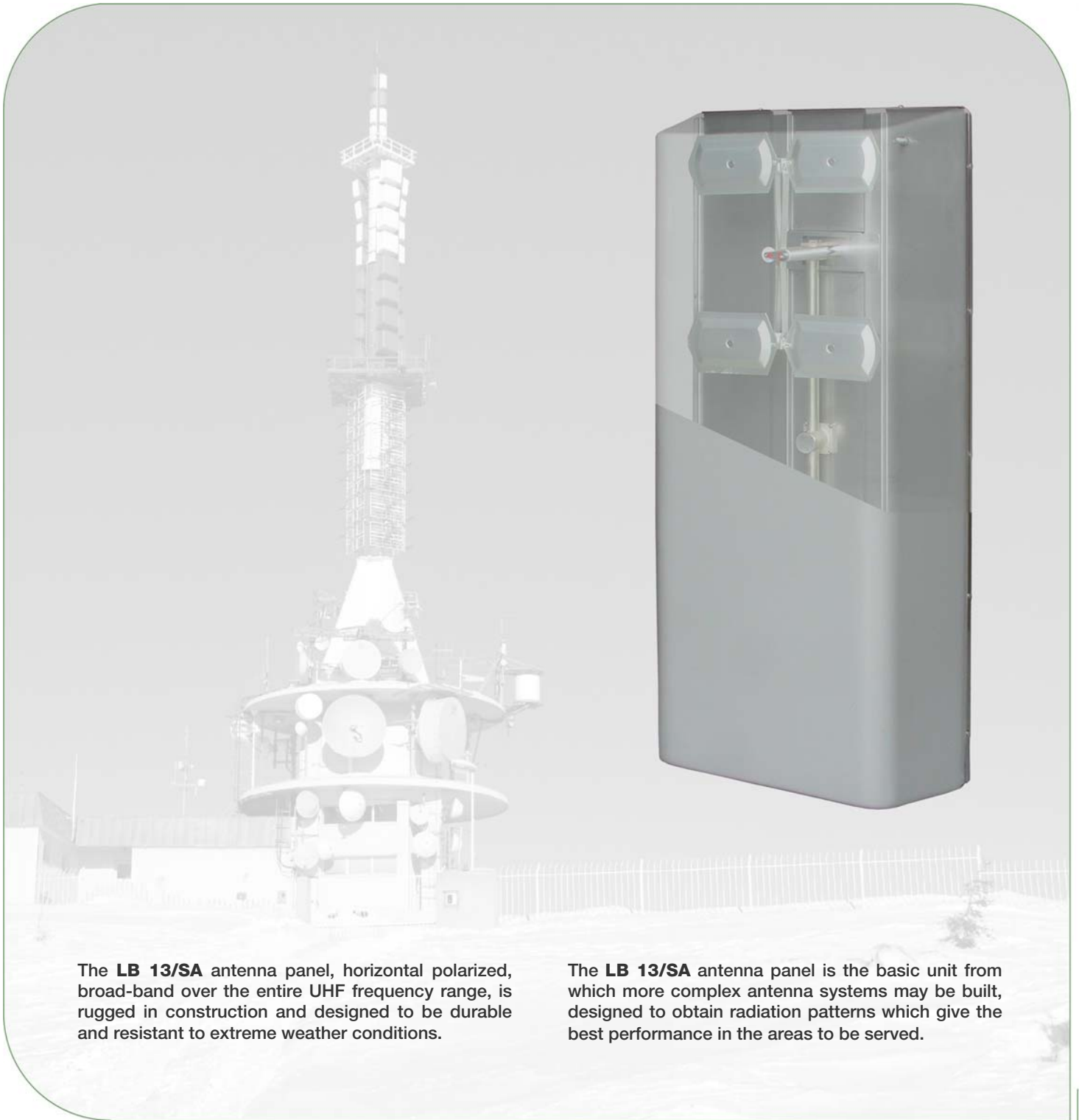


UHF ANTENNA PANEL

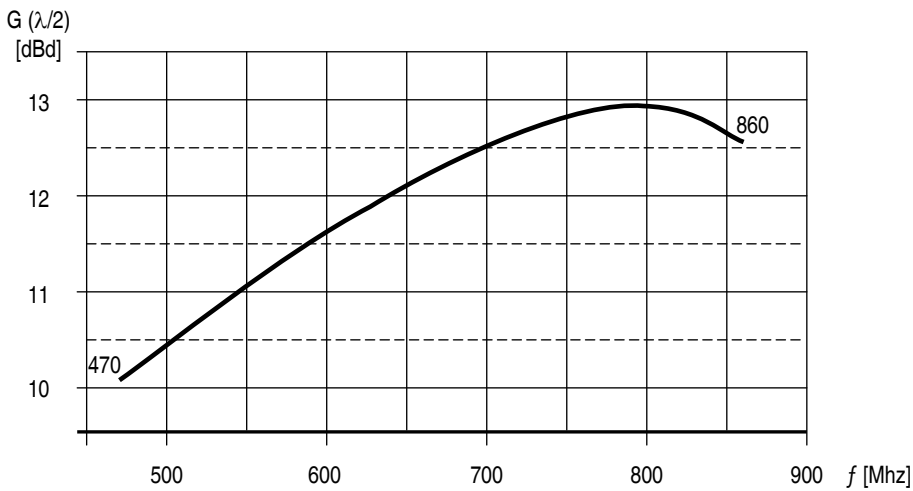
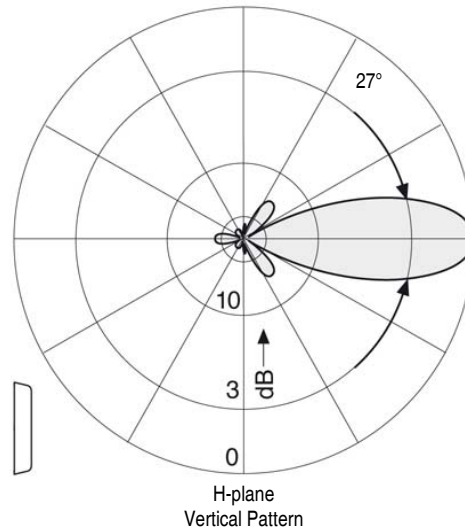
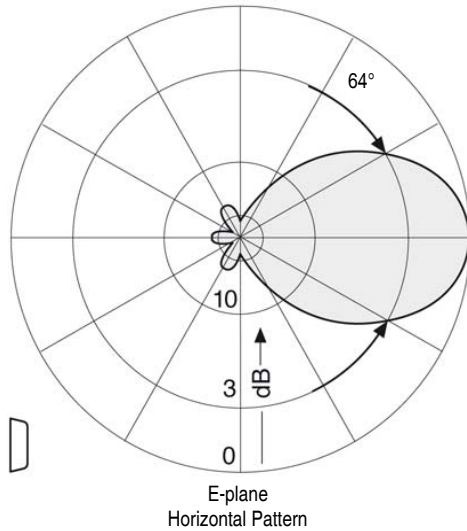
The high quality, professional and cost-effective solution



The **LB 13/SA** antenna panel, horizontal polarized, broad-band over the entire UHF frequency range, is rugged in construction and designed to be durable and resistant to extreme weather conditions.

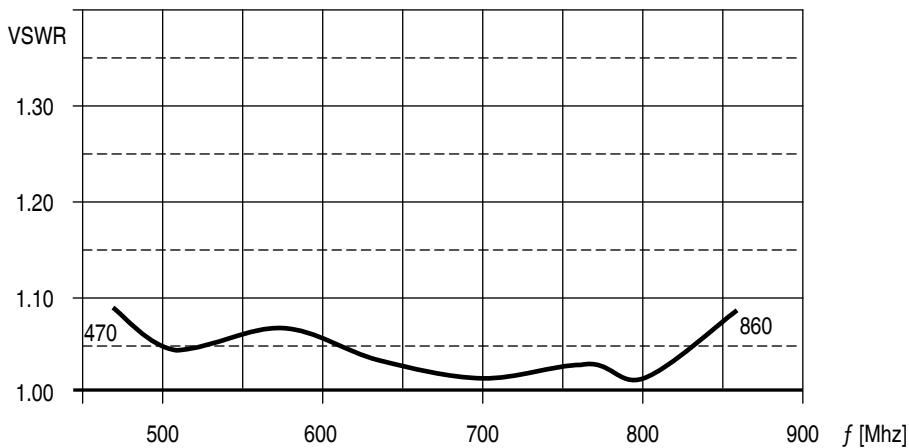
The **LB 13/SA** antenna panel is the basic unit from which more complex antenna systems may be built, designed to obtain radiation patterns which give the best performance in the areas to be served.

Radiation Patterns @ 665MHz



LB 13/SA Gain (referred to half wave dipole - dBd) Vs. frequency

Note: for gain referred to isotropic radiator (dBi) data in dBd has to be increased by 2.2dB

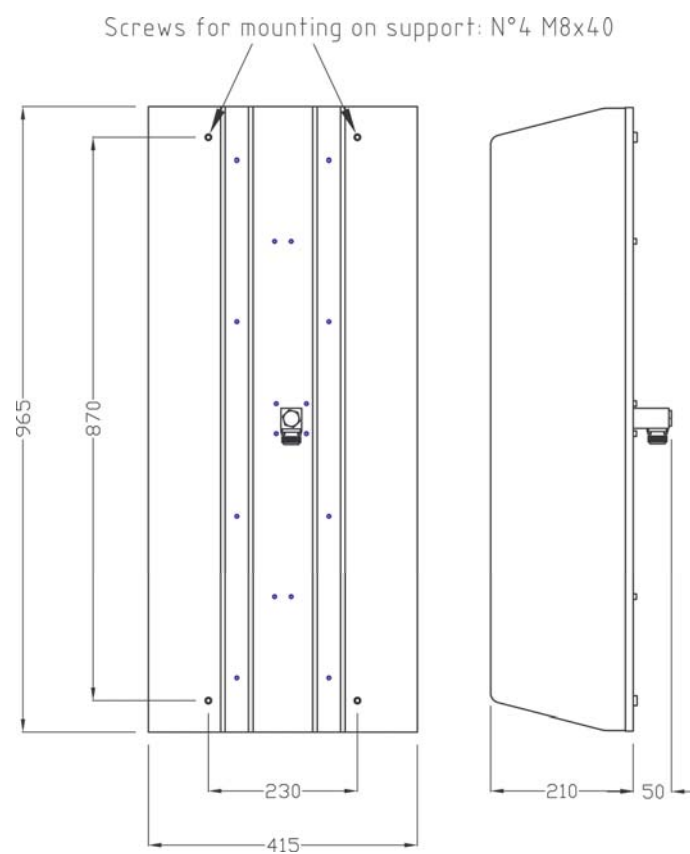


LB 13/SA VSWR Vs. frequency

Note: VSWR 1.1 correspond to 26.4dB return loss



Mechanical drawing



Technical data

ELECTRICAL SPECIFICATIONS

Frequency range:	470-860 MHz
Average gain ($\lambda/2$):	11.5 dBd
Average gain (ISO):	13.7 dBi
Impedence:	50 Ω
Max VSWR:	1.1:1
Max Power:	2kW
Connector:	7/16 (f) – option: EIA flange 7/8" (on request, also "N" female with reduced max power)
Horizontal beam-width (@ -3dB):	about 64°
Vertical beam-width (@ -3dB):	about 27°
Polarization:	horizontal (H)

MECHANICAL SPECIFICATION

Materials	Reflector and screws:	stainless steel AISI 304
	Radome:	fiber-glass (grey color – on request other colors)
	Dipoles/splitters/lines:	silver plated brass
	Isolating material for splitters/lines:	Teflon® (PTFE)
	O-rings:	silicone
Mounting:		by means of 4 screws M8
Weight:		12Kg.
Wind load:		front 530N @ 160Km/h side 270N @ 160Km/h



AVAILABLE MAIN OPTIONS:

- Power splitters
- Connecting cables
- Antenna array design



All specifications contained in this document may be changed without prior notice.