

Utfärdare/Issued by	Datum/Date	Godkänd/Approved	Dok nr/Doc no	Rev	Sida/Page
Product Management	2004-07-01		AR4640/052-201	A	1
Dok namn/Doc name			Fil/file		
PRELIMINARY PRODUCT SPECIFICATION			AR4640_052_A.doc		

## Specification of a Band selective Repeater 800 IDEN/SMR, 16,9 MHz Bandwidth High Power Product number: AR4640/052

### 1. Electrical specification (typical values)

The repeater complies with the requirements of FCC

Frequency band Up link	806 – 824	MHz
Frequency band Down link	851 - 869	MHz
Duplex spacing	45	MHz
Absolute group delay	< 6	µs
Gain adjustment range (1 dB steps)	45-85	dB
Gain (max variation –25 to +55 °C)	6	dB
Antenna isolation supervision	Continuously	
Filter band width (remotely adjustable)	0.5-16,9	MHz
Filter setting resolution	25	KHz
Selectivity BW 3dB	16.9	MHz
Selectivity BW 45dB	BW 3dB + 1.2	MHz
Selectivity BW 50dB	BW 3dB + 2.2	MHz
Pass band ripple	4	dB
Output power, PEP	+38	dBm
Output power 2 carrier	+33	dBm/carrier
Max out of band spurious emission	-13	dBm
Automatic gain control	Implemented	
Noise figure at 85 dB gain, 25° C (typical)	6	dB
Maximum input power (non-destructive)	+13	dBm
Receiver input port return loss	14	dB
Power supply voltage	115	V AC
Power consumption, typ. (max)	320	W

### 2. Environmental specification

Temperature range	-25 to + 55	°C
	-13 to + 131	F
Casing class	NEMA4/IP65	

### 3. Mechanical specification

Dimensions. (W x H x D)	17.4 x 20.9 x 9.6	Inches
	440 x 530 x 240	mm
Mechanical outline	<a href="#">See Standard High</a>	
Weight	75	lbs
	34	Kg
RF connectors	N-type female	