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Product Management	2008-10-14	JS	AR1200	A	1
Dok namn/Doc name			Fil/file		
PRODUCT SPECIFICATION			AR1200_RevA US spec sheet		

900 iDEN/Paging Band selective Repeater

Adjustable bandwidth

Product Number: AR1200

The repeater is designed to meet following requirements

Environmental	ETSI EN 300 019
EMC	FCC Rule 90
Radio Transmission and Reception	FCC Rule 90

Electrical specification (typical values)

Frequency band Up link	896 – 901	MHz
Frequency band Down link	935 - 941	MHz
Duplex spacing	45	MHz
Absolute group delay	< 6	µs
Gain adjustment range DL/UL (1 dB steps)	55-85	dB
Gain (max variation -25 to +55 °C)	6	dB
Antenna isolation protection	Inbuilt	
Filter band width (remotely adjustable)	0.5-18	MHz
Filter setting resolution	25	KHz
Automatic gain control AGC	Inbuilt	
Out of band rejection @ 18 MHz BW, -1200 KHz off-set	28	dB
Out of band rejection @ 18 MHz BW, - 600 KHz off-set	20	dB
Out of band rejection @ 18 MHz BW, + 600 KHz off-set	20	dB
Out of band rejection @ 18 MHz BW, +1200 KHz off-set	28	dB
Pass band ripple	5	dB
Spurious emission	< -13	dBm
Intermodulation	< -13	dBm
Output power DL/UL, PEP	+36	dBm
Output power DL/UL 2 carrier	+	dBm/carrier
Noise figure UL at 85 dB gain, 25° C (typical)	6	dB
Maximum input power (non-destructive)	+13	dBm
Input return loss	< -14	dB
Power supply voltage	115-230	V AC
Power consumption	<160	W

Environmental specification

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

Mechanical specification

Dimensions. (W x H x D)	17.6 x 21.2 x 7.7	Inches
	447 x 538 x 195	mm
Weight	50	lbs
	22.5	Kg
RF connectors	N-type female	