

Utfärdare/Issued by Product Management	Datum/Date 2005-01-18	Godkänd/Approved SYKLLK	Dok nr/Doc no RH340000/001-201	Rev A	Sida/Page
Dok namn/Doc name PRELIMINARY PRODUCT SPECIFICATION			Fil/file RH340000_100_A		

Wide band Radio Head

Dual band GSM 850 / GSM 1900 MHz

Product Number: RH340000/100

Electrical specification (typical values)

Applicable standards:

Radio Transmission and Reception

- FCC Rule 24 (1900 MHz)
- FCC Rule Parts 22 (850 MHz)

Electromagnetic Compatibility

- ETS 301 489-7 and applicable parts FCC Rule Parts 22 &24

Environmental

- ETS 300 019-2-4

Electrical specification

<i>Frequency band</i>		
Frequency band UL 800	824 – 849	MHz
Frequency band DL 800	869 – 894	MHz
Frequency band UL 1900	1850 – 1910	MHz
Frequency band DL 1900	1930 – 1990	MHz
<i>RF characteristics per band</i>		
Gain adjustment range	> 30	dB
Gain step resolution	0,5	dB
Gain variation within each relevant band	<2	dB
Group delay	<200	ns
EVM (TDMA/EDGE)	< 5	%
Noise figure UL at max gain (excl. fiber), 25° C°	< 5	dB
Receiver input port return loss	14	dB
<i>System characteristics</i>		
System Fiber optical loss	< 10	dB
System Fiber optical link length	20	km
System input power range	+10 to +40	dBm



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Power supply

Power supply voltage	115 - 230	V AC
Power supply voltage DC (optional)	21 - 60	V DC
Power consumption max	210	W

Environmental

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

Mechanical

Dimensions. (W x H x D)	17.4 x 20.9 x 7,7	Inches
	440 x 530 x 195	mm
Weight	50	lbs
	22,5	Kg
RF-connectors	N-type female	

System output power (dBm/carrier)

No of Carriers	GSM 850	GSM 1900
8	22 dBm	22 dBm
16	20 dBm	20 dBm