

1900 MHz SDR RF Head Characteristics

Main and Diversity Receiver

Frequency range	1850 – 1910 MHz
Carriers supported	1-16
Noise figure	< 4 dB
Dynamic range	>75 dB
Added phase noise	< 1° rms SSB
External frequency ref.	10 MHz

Transmitter

Frequency range	1930-1990 MHz
Output level	-10 dBm
Output adj. range	>25 dB
Added phase noise	< 1° rms SSB
Output flatness	< +/- 1 dB

Interfaces

Main antenna	Type N female
Diversity antenna	Type N female
Tx output to PA	SMA
PA input	Type N female
Server	1000BT; 2 RJ-45 per four carriers
Control channel	RS-232
GPS	BNC

Power Requirements

AC model	115/230 VAC, 60 Watts
DC model	48 VDC, 42-60 Watts, depending on capacity



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