

## 450 MHz SDR RF Head Characteristics

### Main and Diversity Receiver

Frequency range	411.5 – 483.5
Carriers supported	1-16
Noise figure	< 4dB
Dynamic range	> 75 dB
Added phase noise	< 1° rms SSB
External frequency ref.	10 MHz

### Transmitter

Frequency range	421.5 – 493.5
Output level	-10dBm
Output adj. range	> 25 dB
Added phase noise	< 1° rms SSB
Output flatness	< ± 1.5 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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