



<b>TX specifications</b>	
Output power	max. 400W
Type of amplifier	semi-conductor
Antenna radiation power	max. 200W
Protection against power reflection	available
Protection against high temperature	available
<b>Antenna specifications</b>	
Type of antenna	reflector
Antenna diameter	1.8-2.0m
Polarization	vertical & horizontal
Gain	min 37dBi
3 dB Beam width	around 3°
VSWR	< 1.5:1
Isolation between Tx & Rx Ports	40 dB
Front to back ratio (minimum)	35 dB
Side lobes Suppression (typ)	25 dB
<b>Environmental and mechanical specifications</b>	
Operating temperature	-10 to 45°
inside shelter	
Outside shelter	-20 to 60°
Amplifier	-10 to 55°
Humidity	95% at 30°C
Wind speed	25m/s
Altitude	up to 4000m
Subjected to	MIL-STD-810F
<b>Power supply specifications</b>	
Power consumption	20KW
Voltage	220 VAC ±10%
Frequency	50Hz ±5
<b>System dimension</b>	
Indoor dimension of the	length: 4.5m, width: 2.2m, height: 1.8m
Communication shelter	along with trailer
Trailer	15-ton truck with Off Road capability (proper to move through rough paths)