



**NEW**

# TU1250

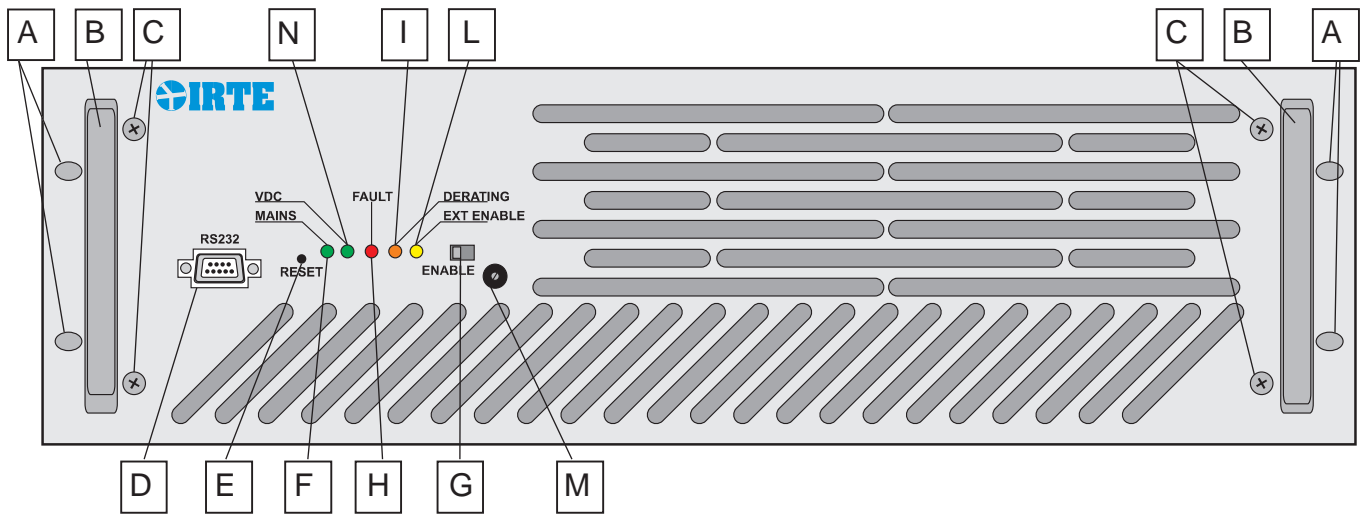
5 KW Peak Sync.  
1.250 KW rms  
UHF Transmitter

## Solid State Air Cooled TX Kit

- Fully Broadband 470-862 MHz
- LDMOS Technology
- Modular design
- All common TV standards
- Dual drive
- Multiple cluster power supply
- COFDM in partnership with :

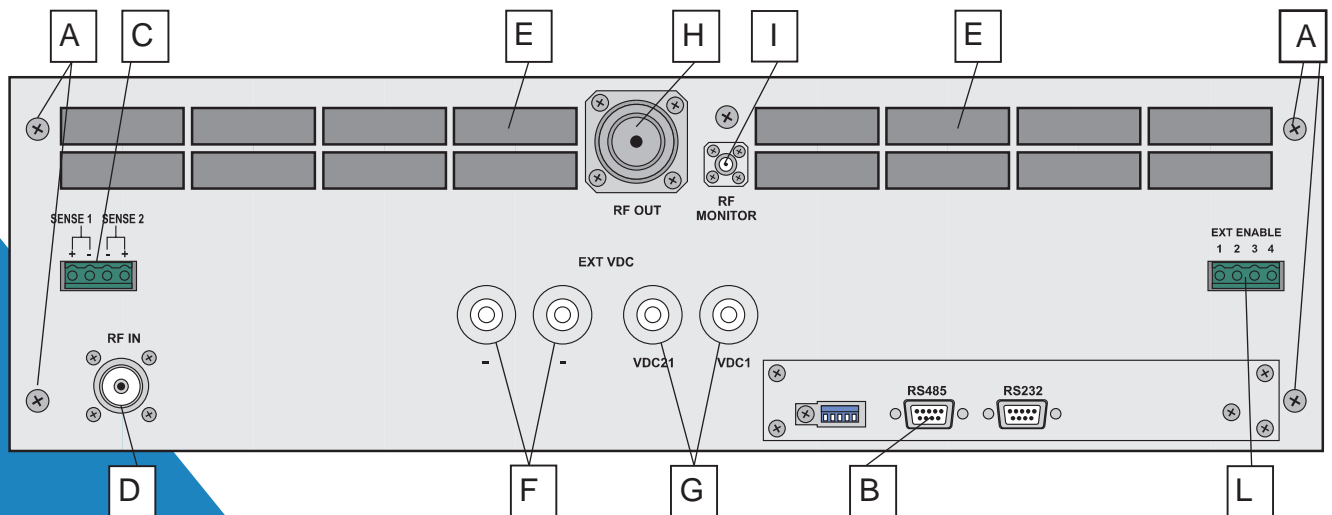


## AU-301 FRONT PANEL



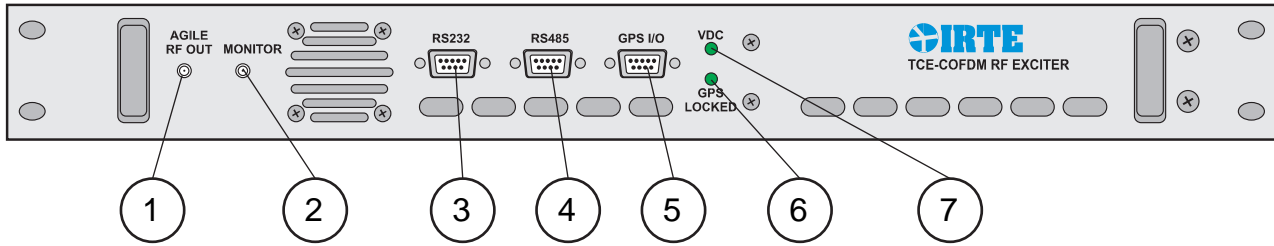
Item	Description	Item	Description
A	Rack fixing holes	G	Local Enable Switch
B	Handles	H	Fault (6 dB below nominal or protection active)
C	Front Panel fixing Screws	I	Derating output power due to temperature
D	RS232 Connector	L	Enable
E	Reset Button	M	Amplifier Gain Regulation
F	Main VAC power supply connected	N	Main VDC on

## AU-301 REAR PANEL



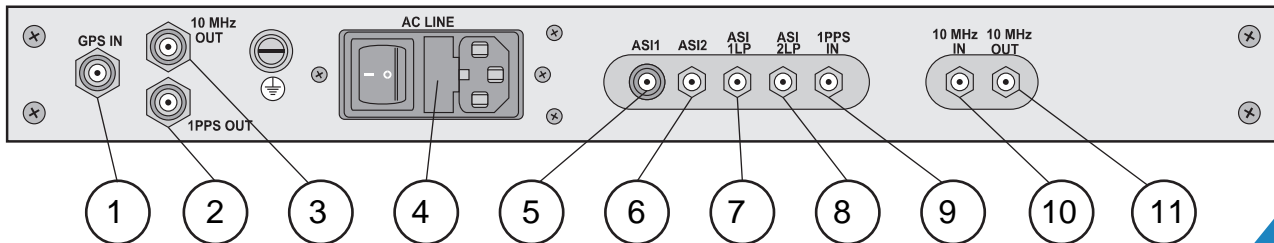
Item	Description
A	Rear Panel Fixing Screws
B	RS485 Connector
C	Senses Connector
D	RF input N Type Connector
E	Rear Exhausted Airflow Outlets
F	GND Power Inputs
G	VDC Power Inputs
H	RF Output 7/16 Connector
I	RF Monitor output SMA Connector
L	External Enable Connection (see G on front panel)

## TCE FRONT PANEL



Item	Description
1	Agile RF out – SMA 50 Ω
2	Monitor RF out – SMA 50 Ω
3	Exciter monitoring and control – RS 232 – DB 9 female
4	Exciter monitoring and control – RS 485 – DB 9 female
5	GPS monitoring and control – RS 232 – DB 9 female (optional)
6	Green led indicating GPS locked (optional)
7	Green led indicating DC power OK

## TCE REAR PANEL



Item	Description
1	GPS antenna input – TNC 75 Ω (optional)
2	GPS-disciplined 1 PPS out – BNC 50 Ω (optional)
3	GPS-disciplined 10 MHz out – BNC 50 Ω (optional)
4	AC power supply input and switch
5	ASI 1 (HP) input – SMA 75 Ω
6	ASI 2 (HP) input – SMA 75 Ω
7	ASI 1 (LP) input – SMA 75 Ω
8	ASI 2 (LP) input – SMA 75 Ω
9	GPS-disciplined 1 PPS in – SMA 50 Ω
10	GPS-disciplined 10 MHz in – SMA 50 Ω
11	Internal 10 MHz PLL out – SMA 50 Ω

The equipment is basically composed of four main functional blocks:

- 1<sup>st</sup> **POWER SUPPLY PS-200**
- 2<sup>nd</sup> **RF AMPLIFIER**
- 3<sup>rd</sup> **DIGITAL EXCITER TCE**
- 4<sup>th</sup> **CCU Changeover with SNMP**

## AVAILABLE MODELS

MODEL	R.F. OUTPUT POWER
TU-1250	1250 W rms
TU-700	700 W rms

The main features of such equipment are:

- DVB-T or DVB-H full compliant
- UHF agility
- Up to 1250 W R.M.S. output power
- MER: 35 dB min value at any output power and frequency
- RF soft start
- Digital linear and non-linear precorrection
- Management of output power by MIP
- Alarm log
- 19" rack standard
- Redundant power supply configuration



# TU1250

5 kW peak sync.

1.250 kW rms UHF Transmitter