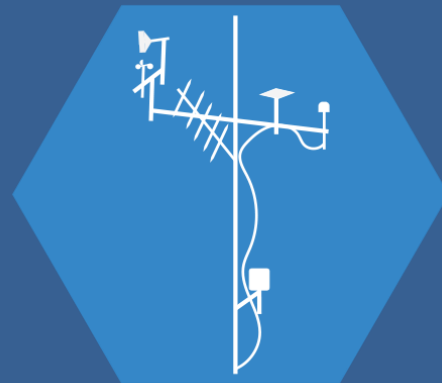
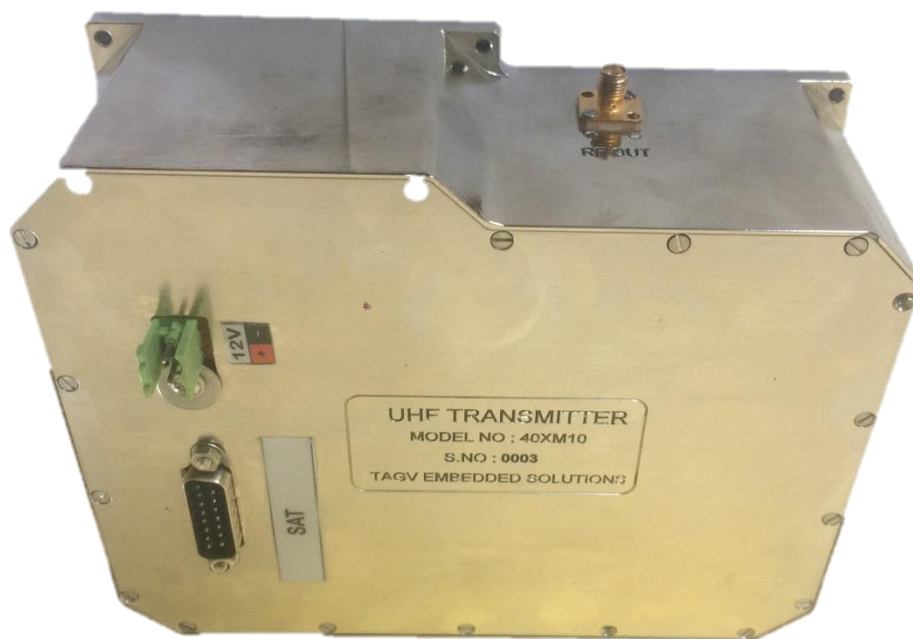


TAGV

INSAT UHF Transmitter



A state of art solution



TAGV Embedded Solutions



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<http://tagv.in>

Manufactured in India, by TAGV Embedded Solutions Pvt Ltd, an ISO 9001 company. This INSAT Transmitter provides long-term, reliable operation even in the harshest climate. TAGV's **UHF INSAT Transmitter** provides reliable TDMA burst transmission for Metrological and Hydrological station applications.



Features

- Programmable power and frequency
- Excellent long-term stability
- Low power consumption
- Wide supply voltage range
- Easy integration
- Software tunable frequency
- Custom transmission format
- Suitable for onsite deployment in any environment
- IMD certified

INSAT UHF TRANSMITTER SPECIFICATIONS

Carrier Frequency Band	402.0 MHz to 403.0 MHz
Carrier Set	In steps of 100 Hz
Modulator	BPSK
Power Out put	3 to 10 watt
Power Stability	±1 dB
Data Rate	300 bps to 9600 bps
Data coding	NRZ-M
Frequency stability (a)Long Term (b)Over Temperature Range	Better then ± 1 ppm / year Better then ± 1 ppm
Signal Bandwidth	6.0 KHz
Spurious	-60 dB or better
Burst Format	ISRO/IMD/NIOT/CWC/Customized
Harmonics	-55 dB or better
Data coding	NRZ(L)
Carrier and bit timing recovery	196 bits
Frame sync	16 bits
Data interface	485 Half Duplex
Output connector	N-Type
Environmental Operating	-40°C to +55°C
Battery Voltage	+10.5 v to +14.5 v