



Certif.n° Es01-022



Certif. n° Es01-E021

OMB EUROPA
Polígono Industrial Centrovía
Calle Paraguay, 6
50196 - La Muela
Zaragoza, ESPAÑA
Telf. : +34 976 14 17 17
Fax: +34 976 14 17 18
Web: <http://www.omb.com>
E-mail: europa@omb.com

OMB USA
3100 NW 72nd. Avenue Unit
112
MIAMI, Florida 33122 USA
Telf.: (305) 477 0973
(305) 477 0974
Fax: (305) 477 0611
Web: <http://www.omb.com>
E-mail: usa@omb.com

MOT 5 ATSC COMPACT



The **MOT 5 ATSC COMPACT** is a Digital Terrestrial Television transmitter designed to be the optimal solution for Local TVs to access the digital world.

The **MOT 5 ATSC COMPACT** includes a board that with a MPEG-2 encoder. It has analogue (PAL or NTSC) and digital (SDI) video inputs and also analogue (L+R) and digital (SDI signal embedded) audio inputs. Once the audio and video have been coded (MPEG-2) it takes place the 8VSB modulation according to the ATSC A/53, A/54 and A/64 standards. Then, the signal is converted to the desired channel and finally, it is amplified by an A-Class 5Wrms power amplifier.

This equipment is designed to transmit only one TV program in a channel, so it offers the advantage of a simple adaptation from analogue to digital emission. It is only necessary entering the equipment with the signals coming from the analogue microwave link and turn on the equipment to be "*on air*" transmitting in digital. Moreover an ASI Transport Stream input is available to be used.



Certif.n° Es01-022



Certif. n° Es01-E021

OMB EUROPA
Polígono Industrial Centrovía
Calle Paraguay, 6
50196 - La Muela
Zaragoza, ESPAÑA
Telf. : +34 976 14 17 17
Fax: +34 976 14 17 18
Web: <http://www.omb.com>
E-mail: europa@omb.com

OMB USA
3100 NW 72nd. Avenue Unit
112
MIAMI, Florida 33122 USA
Telf.: (305) 477 0973
(305) 477 0974
Fax: (305) 477 0611
Web: <http://www.omb.com>
E-mail: usa@omb.com

TECHNICAL SPECIFICATIONS

GENERAL PARAMETERS

FREQUENCY RANGE	470 ~ 862MHz
FINAL STAGE TCHNOLOGY	LDMOS (A class)
CONTROL INTERFACE	Via RS-232 or via Ethernet
COOLING	Forced Air
POWER SUPPLY	90 ~ 260V_{AC} ±10%, 50/60Hz
DIMENSIONS	3RU (19" standard rack)
WEIGHT	16kg
OPERATING TEMPERATURE	-5 ~ +45°C
RELATIVE HUMIDITY RANGE	20 ~ 90%

INPUTS

ANALOG VIDEO	Compound video (optional RGB) Connector: BNC Female
DIGITAL VIDEO	SDI Connector: BNC Female
ANALOG AUDIO	Right/Left channel Connectors: XLR Female
ASI INPUT	BNC Female

ATSC MODULATOR

CHANNEL BANDWIDTH	6 MHz
MODULATION	8VSB (A/53, A/54 y A/64 standards)

RF OUTPUT

OUTPUT LEVEL	5W_{RMS}
CONNECTOR	N Female
SHOULDER LEVEL	< -36dBc
SPURIOUS AND HARMONIC LEVEL	< -60dB

RF MONITOR OUTPUT

CONNECTOR	BNC Female
------------------	-------------------