BLUE PLUS 2000 LCD 2HE

MUY ALTA EFICIENCIA, MÍNIMO ESPACIO, ECONÓMICO Y POTENTE
ÚLTIMA TECNOLOGÍA EN TRANSMISORES DE FM

CARACTERÍSTICAS PRINCIPALES DEL TRANSMISOR BLUE PLUS 2000 LCD 2HE:

- PANTALLA TÁCTIL A COLOR LCD PARA UNA FÁCIL DEFINICIÓN DE PARÁMETROS DE AJUSTE Y LECTURA
- EXTREMADAMENTE BAJA DISTORSIÓN: THD, IMD Y TIM
- ESTÉREO DE MUY ALTAS CARACTERÍSTICAS: SEPARACIÓN TIP. 60 DB
- ENTRADAS L /R, RDS/SCA, AUX, MPX, AES-EBU (XLR Y ÓPTICA), AUDIO IP
- SEIS MEMORIAS DE PARÁMETROS DISPONIBLES (FRECUENCIA, SENSIBILIDAD, POTENCIA, ETC.) QUE PERMITEN ALMACENAR CONFIGURACIONES DIFERENTES
- LISTO PARA SISTEMAS N + 1
- COMPLETAMENTE DE BANDA ANCHA
- CONTROL REMOTO PARA SUPERVISIÓN Y TELEGESTIÓN VÍA LAN, RS485
- AMPLIFICADORES DE RF UTILIZANDO LA ÚLTIMA GENERACIÓN DE SEMICONDUCTORES DE POTENCIA DE RF LDMOS
- CONTROL DE POTENCIA AUTOMÁTICO (APC) PERMITE MANTENER ESTABLE LA POTENCIA DE RF PRESELECCIONADA HASTA ROE 1,5: 1. MAYOR VALOR ROE PROVOCA REDUCCIÓN DE POTENCIA
- POTENCIA DE SALIDA NOMINAL RF 2000 W. AJUSTABLE DESDE 200 HASTA 2200 W
- INCLUYE FILTRO DE ARMÓNICOS RF Y MEDIDOR DE POTENCIA
- ALTA PUREZA ESPECTRAL
- CUMPLE CON NORMATIVAS CCIR Y FCC

C/. Batalla de Brunete, 48
28946 Fuenlabrada, Madrid (Spain)
Tel.: (34) 91 606 88 7. Fax: 91 606 88 42
E-mail: vimesa@vimesa.es
WEB: www.vimesa.es

BLUE PLUS 2000 LCD 2HE

GENERAL

Power Output: H000W adjustable from front panel.
RF Output Impedance: 50 ohm.
RF Output Connector: DIN 7/16" female ó9L! тkyþ dzyŘŜ№ №ŜIjdzŜăúú
Monitor RF: BNC connector.
VSWR: 1[illegible]
Frequency Range: 87.5 ÷ 108.00 MHz.
Programmable in 10 kHz steps.
Frequency Stability: ±1 ppm from -5 to 45°C.
External Reference: 10 MHz BNC connector back panel. **Type of Modulation:** analog synthesis.
Off Lock Attenuation: ≥ -80 dBc.
Modulation Capability: ±150 KHz.
Limiter built in
Power Good Detector: adjustable from20÷90% of the power.
Audio Presence Detector: adjustable time from front panel.
External AGC: Automatic, with fine ADJ from front panel.
Modulation Mode: Mono, Stereo, Multiplex, SCA, RDS, Aux.
Preemphasis: Flat/50/75µs selectable from front panel.
Asynchronous AM S/N Ratio: -70 dB.
Synchronous AM S/N Ratio: -65 dB .
RF Harmonics: Exceeds EBU/CCIR/FCC requirements.
RF Spurious: Exceeds EBU/CCIR/FCC requirements.

MONAURAL OPERATION

Audio Input Impedance: 600 ohm - ≥10 Kohm balanced.
Audio Input Level: -6 to +12 dBm
Input Connector: XLR female.
Audio Frequency Response: ±0.1 dB, 30 Hz to 15 KHz.
Total Harmonic Distortion + Noise: 0.01% @ 400 Hz.
Intermodulation Distortion: 0.01%, 1 KHz/1.3 KHz, 1:1 ratio.
Transient Intermodulation Distortion: 0.01% 2.96KHz square wave and 14 KHz sine wave.
Distortion: 0.01% 2.96KHz square wave and 14 KHz sine wave.
FM S/N Ratio: -85 dB rms detector,-80 dB below ±75 KHz deviation.

STEREO OPERATION

Audio Input Impedance: 600 ohm - ≥10 Kohm balanced.
Audio Input Level: -6 to +12 dBm
Input Connector: XLR female.
Audio Frequency Response: ±0.1 dB, 30 Hz to 15 KHz.
Total HarmonicDistortion + Noise: 0.01% @ 400 Hz.
Intermodulation Distortion: 0.01%, 1 KHz/1.3 KHz, 1:1 ratio.
Transient Intermodulation Distortion: 0,01% 2.96KHz square wave and 14 KHz sine wave.
FM S/N Ratio: -85 dB rms detector, -80 dB below ±75 KHz deviation.
Stereo Separation: -45 dB@30Hz ≥ -60dB@ Freq ≥ 100 Hz
Crosstalk attenuation: ≥ 45 dB@15kHz.
38 KHz Suppression: ≥ -85 dB.
Pilot Frequency: 19 KHz ± 1 Hz
Output Pilot: 2Vpp adjustable from front panel.

MULTIPLEX OPERATION

Composite Input Impedance: 2 Kohm unbalanced.
Composite Input Level: -6 to +18 dBm
Input Connector: BNC female.
Composite Amplitude Response: ±0.1 dB, 30 Hz to 100 KHz.
Total Harmonic Distortion + Noise: 0.01% @ 400 Hz.
Intermodulation Distortion: 0.01%, 1 KHz/1.3 KHz, 1:1 ratio.
Transient Intermodulation Distortion: 0.01% 2.96KHz square wave and 14 KHz sine wave.
FM S/N Ratio: -85 dB rms detector, -80 dB below ±75 KHz deviation

AES/EBU OPERATION (optional Analog)

Input Connector: XLR female, optical TOS-LINK.
Data Format: S/PDF,AES/EBU, IEC958, EIAJCP340/1201.
D/A Converter: 24 bit.
Sampling Frequency: from 32 to 96 KHz.

AUDIO IP (optional)

Lan: Audio IP and Web interface to control and configure
Transport protocol: RTP over UDP;
Protocols: RFE Codec: Alaw,OGG VORBIS, MP3, AAC
SHOUTCAST/ICECAST Codec : TX MP3, RX AAC, AAC+, MP3, OGG(icecast 2.x)

SCA, RDS, AUX OPERATION

Input Impedance: ≥ 2 Kohm.
Input Level: -6 to +12 dBm.
Frequency Response: ±0.1 dB, 50 KHz to 100 KHz.
Input Connector: BNC female.

AUXILIARY CONNECTIONS

RS485: DB9 connector back panel.
CAN BUS (optional): DB9 connector back panel.
Telemetry Interface: connector DB25 back panel.
LAN: RJ45 connector back panel
MPX OUT: connector BNC back panel.

OPTIONS

RDS/RBDS Programmable Coder via PC.
OIRT or JPN version.
SNMP
Audio Over IP
AES/EBU (only analog)

ELECTRICAL

AC Input Power: 90÷260 VAC 50/60 HZ single phase.
AC Apparent Power Consumption: 1360 VA
Cos Φ> 0.98.
Cooling: Forced air.
Acoustic noise:< -56 dBa @ 1 meter.

ENVIRONMENTAL

Operating temperature: -10°C to +50°
C. **Max Operating Altitude:** 4500 mt.
Relative Humidity Range: 0 to 90%.

PHYSICAL DIMENSION

Mounting: Standard 19" chassis 2 U rack.
Size: W x 483 mm. D x 470 mm. H x 88 mm.
Weight: 15Kg.

Software update

Core micro : Via Web

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