Lemos International Introduces the 500mW Multichannel VHF Transceiver - the SHX

Available through Lemos International, Radiometrix - the leading global developer of ISM Band/ SRD FM low power radio modules - has introduced the SHX1. This is a small multi-channel 25kHz narrow band VHF transceiver with up to 500mW RF power output. It is usable for 144MHz band amateur, 151MHz US MURS and European 169MHz band high power applications.

With conformity to ETSI EN 300 220-3 and EN 301 489-3 and high performance double superhet PLL synthesizer, the SHX1 even data rates up to 5 kbps for standard module. It has usable range over 5km and is fully screened with a low profile.

Features:
• Feature-rich interface (RSSI, analogue and digital baseband)
• Incorporate a 1200baud modem
• Re-programmable via RS232 interface
• Low power requirements
• Operating frequency: Any 3MHz segment in 140 - 175MHz
• 8 parallel or 255 serial channels
• Transmit power: 500mW (+27dBm) nominal
• Supply range: +5V regulated
• Current consumption: 280mA (at 500mW output) transmit, 20mA receive
• Data bit rate: 5kbps max. (standard module)
• Receiver sensitivity: -118dBm (for 12 dB SINAD)
• Size: 67 x 30 x 9mm
• Amateur radio
• AMR
• MURS units
• Industrial telemetry and telecommand
• High-end security systems
• APRS systems
• Vehicle data up/download

• ROV/machinery controls

Lemos International
www.lemosint.com [1]

Radiometrix
www.radiometrix.com [2]

Source URL (retrieved on *03/28/2015 - 5:51am*):
http://www.wirelessdesignmag.com/product-releases/2011/06/lemos-international-introduces-500mw-multichannel-vhf-transceiver-shx?qt-most_popular=0

Links:
[1] http://www.lemosint.com
[2] http://www.radiometrix.com