



## UGX Series 332

### Transportable Dual GSM & multiple UMTS Firewall and Analysis Tool

The cellXion range of UGX Cellular Intercept, Firewall & Analysis products are designed to provide Law Enforcement, Security Services and Military Intelligence officers with a comprehensive set of tools to combat the growing use of mobile communications technology in crime and terrorism.

#### KEY FEATURES

- Compact device integrated into custom 1550 Pelicase, capable of operation in Vehicle or a static location.
- Contains two fully functional commercial grade GSM 850/1900 or 900/1800 MHz BTS transceivers plus any combination of up to five UMTS Node B transceivers (3+2 combination only for existing frequencies (850, 900, 1700, 1900, & 2100 MHz).
- Built-in wide-band 'environment monitor' to simultaneously scan and provide information to optimize user configuration of the transceiver modules.
- Comprehensive identification of IMSI, IMEI and other RF identifier information with dynamic control capability.
- Simultaneous high speed acquisition of handsets across multiple networks with full multi-slot capability.
- cellXion 'Feels Like' function uses BCCH manipulation to give a virtual power effect of up to several thousand watts.
- Technology leading UMTS ranges of >1km
- Fully autonomous transceivers for complete operational flexibility
- The unique cellXion software client (both PC and Android) are consistent across the entire range of cellXion GX & UGX cellular intercept products
- Optional Covert Call (TK) software application to provide MS stimulation (GSM/3G) for geo-location of MS using the cellXion MSL or other suitable DF systems.

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#### Complimentary equipment UGX Series 400

- Slave unit with the capability of up to 6 UMTS transceivers on two different UMTS frequencies (850, 900, 1700, 1900 & 2100 MHz)
- QMTS remote enabling device

- Optional Measurement Reports (MR) software application to provide a digital mapping interface and handset timing feedback for precision geo-location.
- Full support for GPS logging.
- Downloadable Java Client for use on PC and Android handset.
- Comprehensive database featuring handsets cross referenced against IMEI, and networks against PLMN.
- IP port for connection to the internet for remote diagnostics and facilitating easy software upgrading.
- Fully compatible with cellXion's QMTS remote enabling device.
- HCS Priority makes cell more attractive to UEs with legitimate 3G identity acquisition without GSM mode.
- Robust peli-case enclosure with easy access side panels and heat dependent fan assisted cooling.
- Controls up to ten transceivers (any combination of GSM/UMTS/CDMA.)
- Internet facing firewall for remote client operation and remote support.

#### Power output specification

GSM 900/1800 maximum output power is 20W per channel (except when configured with UMTS 900 when GSM 900 & UMTS 900 is combined and the maximum output power from GSM 900 is 10W).

The 332 series are (per NodeB);

- CPICH: 32dBm / 1.6W
- Average: 35dBm / 3.2W
- Peak: 42dBm / 16W

The UMTS output power is checked against ETSI TS25.141 Test Model 1 for linearity and quality, measurements made on a R&S CMU300 cellular test set.

#### SPECIFICATION

- Dimensions: W428mm x D524mm x H206mm
- Weight: 19.5kg
- Two GSM (1 x low band/1 x high band) transceivers
- Up to five UMTS Node B transceivers (Configuration on request)
- Can be powered by vehicle battery, 24-32V DC (24Vdc recommended), or mains via an AC adaptor.
- GSM Transmit Power Control in 2dB steps down to 130mW
- GSM05.05 Receiver Compliance
- UMTS CPICH Transmit Power Control in 2dB steps down to 320mW
- 3GPP R5 Compliance (Local Area Cell TS25.104/V6.8.0)



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