



**CONSULTIX**

## Consultix WTX-610 ILLUMINATOR Multi-Mode Test Transmitter to 6 GHz

One Device. All Missions



**Multi-Mode Test Transmitter**  
- CW  
- WCDMA  
- LTE  
200 MHz to 6000 MHz  
Up to +40 dBm / 10 Watt

Consultix WTX-610 iLLuminator is the gold standard for test transmitters. Using modulated signals for testing is vital to ensure dominance, avoid pilot pollution and validate the carrier configuration prior to deployment. Wideband operation up to 6 GHz allows the iLLuminator to address all your future needs even over unlicensed bands for LTE-U and LAA or the CBRS Band. These features combined with the ultra-portable handheld form factor and innovative touch interface for maximum ease of use make the WTX-610 iLLuminator the ideal choice for InBuilding and SmallCell professionals everywhere. The built-in wideband power amplifier extends the illuminator's capabilities to high power missions, whether for oDAS test and design or for performing outdoor CW model calibration.

### Smart

- CW, LTE & WCDMA modulations
- 200 to 6000 MHz in a single device
- 10 Watt (Built-in Option)
- 1 KHz frequency resolution
- 1 dB Accuracy (Typ.)
- License upgradeable

### Fit

- Light weight < 2 K gm (5 lbs.)
- Handheld & heavy-duty
- Touch screen operation
- Friendly user interface
- Ergonomic enclosure

<b>Specifications:</b>	
<b>RF Characteristics</b>	
RF Ports	Port 1 (Standard), Port 2 (Optional)
Frequency Band	200 MHz to 6 GHz
Internal Frequency Accuracy	1 ppm
Frequency Step	1 KHz
Output Power Level Steps	1 dB
Modulations	Continuous Wave (CW), LTE-FDD (optional), LTE-TDD (optional) and WCDMA (optional)
LTE Settings	Cell ID (Synchronization Reference Signal), and Bandwidth
LTE BW	5 MHz (10 MHz Optional)
WCDMA Settings	Scrambling Code
Port 1 Output Power (CW)	200 MHz to 4800 MHz: -10 dBm to 15 dBm 4.8 GHz to 6 GHz : -10 dBm to 10 dBm
Port 1 Output Power (Modulated)	400 MHz to 2700 MHz: -10 dBm to 15 dBm
Port 1 Level Accuracy	+/- 2 dB (Typ. 1 dB)
Port 1 RF Interface	50 Ohm SMA Female
Port 2 Frequency Range	350 to 2700 MHz
Port 2 Output Power (Optional Built-In Output Amplifier)	350 MHz to 2700 MHz: 40 dBm (10 Watt CW)
Port 2 Level Accuracy	+/- 2 dB (Typ. 1 dB)
Port 2 RF Interface	50 Ohm Type-N
Dwelling Mode (Optional)	Up to 8 Frequencies @ 0.25 ms hopping speed
<b>Power Supply</b>	
Input Power	24 VDC / 12 VDC (Without Amplifier)
Included AC/DC Adapter	110/220V AC, 50/60 Hz.
<b>Physical Characteristics</b>	
External Dimensions	L 220x W 100 x H 62 mm
Weight	< 2 Kgm (5 lbs.) with Amplifier
Operating Temperature	-10 to +40 C
Interfaces	1 x Type-N Female, 1 x SMA Female, 1 x USB, and 1 DC Jack
<b>Standard Package</b>	Handheld CW Transmitter, AC/DC Adapter, Tri-band Antenna, Soft case and User Manual.

<b>Ordering information</b>	
Base Unit. Single Port. Requires at least one Frequency Range License	WTX-610 ILLUMINATOR
Frequency Range License : 200 MHz to 6 GHz	iL-WB
Frequency Range License: 200 MHz to 600 MHz	iL-B1
Frequency Range License : 600 MHz to 2.7 GHz	iL-B2
Frequency Range License : 2.7 GHz to 3.7 GHz	iL-B3
Frequency Range License : 3.7 GHz to 6 GHz	iL-B4
Port 2 Activation, 10 Watt built-In amplifier, 350 MHz to 2700 MHz. Factory fitted	iL-P2
5 MHz LTE-FDD Modulation License (Supports LTE scanners)	iL-LTE-FDD5
10 MHz LTE-FDD Modulation License (Supports LTE scanners)	iL-LTE-FDD10
LTE-FDD Handset Support License (Supports Commercial/Test Phones). Select 3 bands	iL-LTE-FDD-BTS3
LTE-FDD Handset Support License (Supports Commercial/Test Phones). Select 6 bands	iL-LTE-FDD-BTS6
WCDMA Modulation License	iL-UMTS
Dwelling Mode License (up to 8 frequencies)	iL-DW
Hard carrying case for illuminator and accessories	iL-RC

**FIND US:**

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