

# Consultix HH RF CW Transmitter, now address Low-High Power VHF, DAS, PS, AWS, CBRS, C-Band, Sub 6 GHz Venue Testing

*Consultix WTX-610 ILLUMINATOR is the golden standard for CW Transmitters. Wideband Frequency up to 6 GHz with up to 10 Watts Output.*

ORLANDO, FLORIDA, UNITED STATES, January 10, 2022 /EINPresswire.com/ -- Optimizing CAPEX and achieving reliable coverage in mega venues or private networks require equipping your planning teams with a versatile CW gear either for indoor/outdoor model calibration, multi-band DAS commissioning, verifying zone & sector boundaries or proper site characterization and post-build coverage mapping

With the new amplifier options, Consultix ILLUMINATOR is getting the most versatile test transmitter for wireless testing from VHF all the way up to [CBRS](#) band.

Why ILLUMINATOR? Frequency Range: 200 to 6000 MHz, Amplifier options up to 10 Watts, FCC & CE compliance, LTE scanner and test phone support options, Best-in-class RF performance

with 1 ppm frequency accuracy, 1 KHz frequency resolution, 1 dB Accuracy, Touch-screen with intuitive user interface, Elegant & rugged mechanical design, Softkey functional upgrades, A-la-carte frequency range, Built-in battery or external option, Standard shoulder strap with shock absorbers, Standard DC input for use with external power banks for extended operation,



**Consultix WTX-610 ILLUMINATOR™**  
**Multi-Standard Modulated Transmitter to 6 GHz**  
One Device. All Missions

Multi-Standard Modulated Transmitter  
- CW  
- WCDMA  
- LTE  
200 MHz to 6000 MHz  
CBRS & C-band covered  
Up to +40 dBm / 10 Watts

**Consultix WTX-610 Multi-Standard Modulated Transmitter up to 6 GHz**

Consultix WTX-610 ILLUMINATOR™ is the gold standard for test transmitters. Using modulated signals for testing is sometimes vital if you need 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 by covering traditional VHF and cellular bands up to C-band and 5.8 GHz wireless networks. These capabilities 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 in-building and small cells 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   | Fit   |
|---|---|
| <ul style="list-style-type: none"><li>- CW, LTE &amp; WCDMA modulations</li><li>- 200 to 6000 MHz in a single device</li><li>- 10 Watt (Built-in Option)</li><li>- 1 KHz frequency resolution</li><li>- 1 dB Accuracy (Typ.)</li><li>- License upgradeable</li><li>- Up to 6 hour battery operation</li></ul> | <ul style="list-style-type: none"><li>- Light weight 1.6 Kg (3.5 lbs.)</li><li>- Handheld &amp; heavy-duty</li><li>- Touch screen operation</li><li>- Friendly user interface</li><li>- Ergonomic enclosure</li></ul> |

**Hand Held FCC CE Compliant**

Lightweight (3.5 lbs.) including built-in amplifier

Need to equip your teams, sharpen your competitive edges and get ready for the CBRS & C-Band momentum, If high power simulations are needed ask us about our Mini-Safari Option 1CB or Grand Safari for ODAS up to 80 Watts. Request our CBRS & C-Band Application Note. Sold and Supported by DAstronix USA P # 877-711-1757 or Sales@DAstronixusa.Com

Sam Valdivia  
DAstronix USA  
+1 877-711-1757

[email us here](#)

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## CBRS & C-Band Planning Challenges & Test Practices



In many countries, the midband -specifically 3.5 GHz to 4 GHz- is a key piece of the 5G spectrum strategy while it is forming a pivotal stage for 4G expansion particularly in private network deployments.

Citizens Broadband Radio Service (CBRS) and C-band spectrum bands have the potential to pour more than 500 MHz for more capacity. And this spectrum has fair propagation characteristics and promising economics. However, this doesn't come without a cost; there are inherent challenges when bands go higher in addition to the higher need-for-speed. And that imposes special considerations when it comes to network planning and associated measurements.

This document is aimed at raising the practical awareness of planning engineers to the propagation behavior at such higher bands and the emerging challenges of 4G and 5G deployment scenarios. Then it sheds light on the growing indoor deployment considerations. And finally, it summarizes the best practices, dos and don'ts that Consultix gathered with professional users of its indoor and outdoor instruments. Some of these factors are usually overlooked by some users, while they are so critical (yet can be easily avoided if adequate attention is paid to).

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