

NPI- 5G + Grand Series high power mm-Wave Transmitter 24-40 GHz, + 33 dBm supports AT&T & Verizon 5G Small Cell Testing

New Grand 5G + Consultix Series that now has the highest output power of any mm-Wave Field Transmitter from 24-40GHz with + 33 dBm output sold by DASTRONIX USA

ORLANDO, FLORIDA, USA, April 15, 2021 /EINPresswire.com/ -- Consultix the leader in VHF, 1, 2 or 4 Port CW

DAS Ports, CBRs, Public Safety CW transmitters launches the latest series of its mm-Wave Transmitters called the "Grand 5G" series for indoor or outdoor model tuning for site surveys. This New 5G + "High Power mm-Wave Transmitter" 24-40GHz can now output + 33 dBm based on band frequency to support AT&T, Verizon, 5G Small Cell Field Testing. For indoor testing only please refer to our DUO Series.

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New Consultix 5G Grand Series "High Power mm-Wave Transmitter" 24-40GHz now with + 33 dBm to support AT&T, Verizon, 5G Small Cell Field Testing.”

Sam Valdivia

one of the most powerful-accurate CW transmitters for Field Testing without the use of an external amplifiers.

Depending upon which band you are needing to test first this series can purchased from 24-30 GHz. If the need arises to test the upper bands at 36-40 GHz you can upgrade your unit in the field via a keycode option H-5 upgrade. This will keep your capex cost down or it will allow you team to buy multiple units for any combination. With our optional High Gain Omni Directional or Horn Antenna, you can increase your field strength by + 7.5 - 15 dBi up to 40 GHz.

Need battery operation? Order the external BatPack-5G G option. Typical use will last 4-4.5 Hours of continues testing. For short term needs please ask us for an evaluation or month to




month rental or finance to own options.

The Risk of Skipping Model Calibration White Paper is available for download. With the Initial deployment of 5G networks at mmWave bands showed promising indications in some aspects while experienced coverage gaps and dead spots in some scenarios. This is not something than can be adequately predicted nor quantified without the aid of real field testing to tune coverage simulations to each venue specifics or different morphologies. Else, this will lead eventually to either extra infrastructure cost or bad user experience -vs. the 5G promise-.



Model calibration has been the safety net of coverage simulation, and hence a standard function in any reliable indoor or outdoor planning software. However, in mmWave case it is becoming a more critical step in order to achieve reliable coverage and decent KPI's. Propagation studies of sub-6 GHz bands are quite mature however, less knowledge has been obtained yet regarding mmWave propagation particularly inside buildings. So, this article sheds light and analyzes case studies that depict the technical & business impact of skipping this step.

If you want a copy of the white paper, please send us a request at Sales@Dastronixusa.Com or call us at 877-711-1757 to better understand why.

Sam Valdivia
Dastronixusa



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Consultix 5G CW Transmitter

CONSULTIX 5G CW TRANSMITTER

Consultix 5G test transmitter family comprises portable RF signal generators that bring simplicity and affordability to mmWave test scenarios pertinent to indoor/outdoor 5G network planning.

5G networks have stimulated a prominent demand for a handheld mmWave test transmitter to characterize its channels and calibrate its propagation models.

The compact size and RF performance of this family of mmWave CW transmitters make it ideal for such field applications as well as several laboratory use cases. Thanks to its calibrated output and a wide range of operation across the bands from 24 GHz to 40 GHz.

Consultix 5G Duo
CW Transmitter Datasheet

Consultix 5G Duo
CW Transmitter Datasheet

Consultix 5G Duo
CW Transmitter Datasheet


Consultix Grand 5G
Transmitter

Consultix 5G
Pi420 Power Amplifier

Consultix 5G
Pi425 Power Amplifier


HIGHLIGHTSFEATURESSPECIFICATIONSDOWNLOADS

With unprecedented output power levels up to 33 dBm, this transmitter family significantly exceeds the maximum power levels attained by any other portable transmitter or traditional bench-top signal generator.



mmWave Coverage

The Risk of Skipping Model Calibration



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White Paper Download of the Risk of not doing Model Calibration at the mm-Wave Bands

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