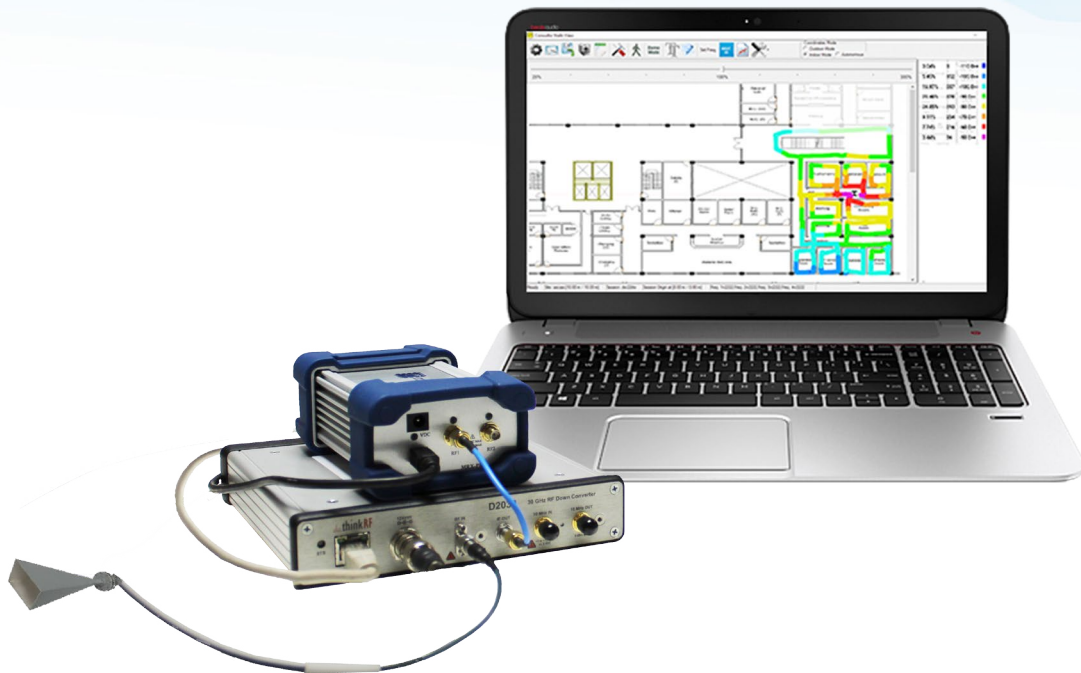




Consultix-5G CW Receivers

Walk-Test & Drive-Test CW Receivers for mm-Wave



5G networks are all about enabling ultra-broadband, massive connectivity, ultra-low latency, so building a strong RF infrastructure is a key prerequisite. As RF infrastructure lays the foundation of every wireless network and if done right, every coming phase is a whole lot easier.

Consultix-5G family comprises comprehensive portfolio of RF equipment that brings simplicity and affordability to mmWave test scenarios pertinent to 5G applications. The family's 5G receivers feature superior RF performance at 28 GHz band. And its portability makes mmWave field testing as easy as low GHz to quickly make users fit in the realm of 5G. The sensitivity is deep enough to fulfill dynamic range requirements. And with the Walk-view software, it's a lot easier now to plot and export measurements for further processing.

Consultix-5G receivers are available in two different flavors to meet different users' requirements either for walk-test or drive-test missions.

Superior RF

- Frequency Range: 27 to 30 GHz
- Amplitude Accuracy: ± 1 dB
- -120 dBm Sensitivity
- 1.5ppm Frequency Accuracy

WalkView Software

- Supports Wide Range of Maps and Floor-Plan Formats
- Compatibility with IBwave, Ranplan, MapInfo, Asset, etc.
- Indoor and Outdoor Modes with GPS Support



CONSULTIX



Consultix-5G-PRO



Consultix-5G-D

Specifications	
Frequency Range	27 to 30 GHz
Frequency Step	100 KHz
IF Bandwidth	20 KHz (Consultix-5G-Pro Model) 100 KHz (Consultix-5G-D Model)
Level Range	-100 to -40 dBm -120 to -60 dBm (Pre-Amp On)
Internal Frequency Accuracy	1.5 ppm
Level Measurement Accuracy	±1 dB (typ. ±0.5 dB) (98 % Confidence Level, +20 °C to +30 °C)
Adjacent Channel Rejection	-35 dBc
Measurement Speed	600 Samples per Second
RF Interface	50 ohm SMA Female
PC Interface	1 x USB, 1 x RJ45
AC Charger	Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 2A
Physical	
External Dimensions	190 x 210 x 70 mm (Consultix-5G-Pro Model) 190 x 210 x 50 mm (Consultix-5G-D Model)
Weight	1.6 Kg (Consultix-5G-Pro Model) 1.3 Kg (Consultix-5G-D Model)
Operating Temperature	0 to +50 °C
Humidity	>95%
Certifications	CE
Standard Accessories	2 x AC Charger, USB Cable, Ethernet Cable, Hard Carrying Case, Calibration Certificate and User Manual

Ordering Information	
CW Drive-Test Receiver; 27 GHz to 30 GHz. Including Standard Accessories	Consultix-5G-Pro
CW Walk-Test Receiver; 27 GHz to 30 GHz . Including Standard Accessories	Consultix-5G-D
Software license for In-building and Outdoor Results Capturing, Mapping, Archiving and Exporting	WalkView
Omnidirectional Antenna 26.5 to 40 GHz, 3 dBi Gain, 2.92 mm K(F)	5G-Acc-OA3
Omnidirectional Amplified Antenna 26.5 to 40 GHz, 30 dBi Gain, 2.92 mm K(F)	5G-Acc-OAA30
Waveguide Horn Antenna 26.5 GHz to 40 GHz, 15 dBi Gain, 2.92 mm K(F)	5G-Acc-HA15

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