Transcom Instruments
Product Brochure

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5G CW Scanner

Overview

5G CW Scanner is an integrated platform based on CW scanner and analysis software. It is used for automatically sweeping and scanning CW signals at high speed. It supports RSSI scanning in 2G, 3G, 4G and 5G (support band customization in 700MHz – 5000MHz) bands. It also supports spectrum analysis of 5G bands. The output results include RSSI and location information. The instrument can be widely applied in future 5G network survey and planning.

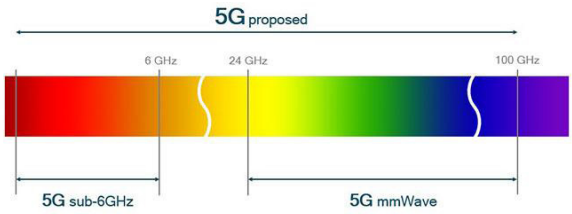
Key Facts

- Support CW drive and walk test for 2G, 3G, 4G and 5G (support band customization in 700MHz – 5000MHz)
- The scanning speed is adjustable to adapt to various applications, such as high-speed railway, highway, ordinary road and indoor tests.

Innovative Features & Benefits

Product features

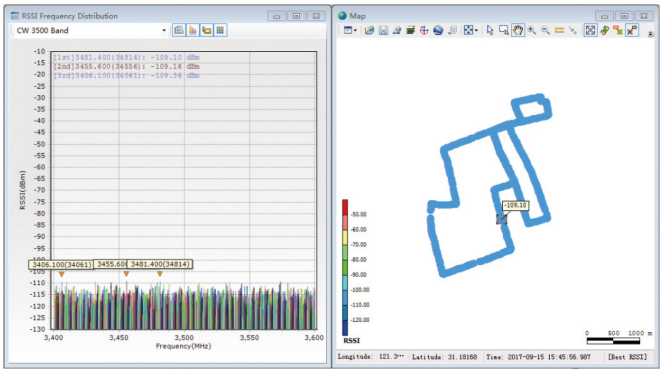
- Support 2G, 3G, 4G and 5G (support band customization in 700MHz – 5000MHz) CW test
- High-speed measurement for various scenes
- Automatic testing



Typical Applications

- Propagation model tuning test
- Frequency check test

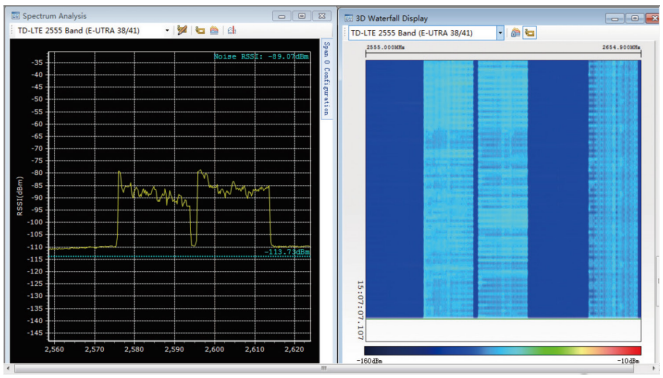
Solution Highlights



Propagation model tuning

The propagation model correct test is necessary to network planning. When test phone fails as a result of limitations, scanner is required. In the test process, TSP transmitter is used for transmitting CW signals in 5G bands, and 5G CW Scanner, is used for scanning the fading and transmission distance. Data can be directly used for model tuning in planning software.

Solutions: 5G CW Scanner is used for receiving CW signals from the transmitter, collecting signal parameters including geographic information by DT testing, and importing data into the planning software to adjust model parameters.



Frequency check

Solution: The frequency check test should be performed within the planned frequency range before network planning and building, to know whether the frequency range is occupied or interfered. When 5G CW Scanner is used in the spectrum mode, the specific interference and occupation within the planned frequency range of urban roads can be analyzed based on spectrum, to evaluate whether the frequency range meet the operating requirements.

Specifications

CW Mode	
Frequency range	support band customization in 700MHz – 5000MHz
Power measurement accuracy	±1dB
Sensitivity	-110dBm
Measurement rate	≥700 channels/sec
Physical	
Storage temperature	-40℃ to 70℃
Operating temperature	0℃ to 50℃
Communication interface	LAN
Dimension	230 x 120 x 100 mm
Weight	2.5kg

Ordering List

Model	Description
T2100A	5G CW scanner
Optional	**Description**
TSPS-S001	Data collecting and analyzing software
TSPS-AS0018	5G(CW) license
Accessories	**Description**
TSPS-AS001	Omnidirectional antenna 700MHz to 2700MHz (supplied with T2000C only)
TSPS-AS002	GPS antenna
TSPS-AS003	Data Cable (3m)
TSPS-AS004	Portable box
TSPS-AS005	COEAG USB license
TSPS-AS006	Power adapter
TSPS-AS007	Battery Kit (option)

Keep innovating for excellence!

About us

Transcom Instrument Co., Ltd. founded in 2005 and headquartered in Shanghai, is a leading manufacturer and provider of RF and wireless communication testing instruments and overall solutions in China. Based on its independent brands and a wide range of core patented technologies, Transcom became national high-tech enterprise with independent intelligent property rights and has been listed into Shanghai Enterprise Recognition Award for High Growth SMEs in Technology.

Transcom is backed by a experienced and dedicated research team in mobile communication, radio frequency and microwave, and network optimization testing instrument. Through "Industry-University-Research" cooperation with universities, Transcom founded Southeast University-Transcom Electronic Measurement Technology Center at Southeast University to futher ensure technology and talent reserve, and secure future visionary and sustainable technology development.

Transcom's product portfolios focus 4 areas: cellular network critical communication planning/maintenance/optimization, Manufacturing testing solution, educational instrument/equipment, spectrum monitoring sensor for system integration.

ISO14001

ISO9001

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Company Profile