



Consultix 5G CW transmitter

Portable signal from 25 to 27.8 GHz



Consultix 5G test transmitter is a portable RF signal generator that brings simplicity and affordability to microwave test scenarios pertinent to 5G applications.

The RF performance of the handheld device makes it ideal for field applications as well as several laboratory use cases. Thanks to its calibrated output and wide range of operation covering frequencies from 25 GHz to 27.8 GHz

With an unprecedented output power level of up to 20 dBm, the transmitter significantly exceeds the maximum power levels attained by traditional bench-top signal generators.

The tool is engineered for maximum ease of operation. Among the embodied features are the ergonomic form factor, direct user control through 2 buttons, simple LCD screen and low power consumption that allows powering by commercial power banks for maximum field convenience and flexibility.

Performance

- 2 ppm Frequency accuracy
- 25 GHz to 27.8 GHz (up to 30 GHz overrange)
- Output power higher than bench-top equipment
- Low power consumption

Convenience

- Entuitive user interface
- Ergonomic form factor with side handle
- 3 Kg weight
- High grade test accessories



Specifications	
RF Characteristics	
Number of RF Ports	1
Frequency Range	25 GHz to 27.8 GHz (overrange up to 30 GHz)
Frequency Step	1 MHz
Modulation	CW (Continuous Wave Carrier)
Frequency Settings	Up and Down Buttons
Internal Frequency Accuracy	± 2ppm
Output Power Level	12 dBm to 20 dBm (refer to Level vs. Frequency table)
Level Accuracy	± 2 dB
Level Settings	Fixed
Non-Harmonic Spurious	-33 dBc @27 GHz
Phase Noise (dBc / Hz)	-108 dBc @ 27 GHz. 1 MHz offset
RF Output Interface	Female 2.92mm (K) Connector
Power Supply	
DC Input	AC/DC Adapter 12V,2 A
Display	LCD
Physical	
External Dimensions	(H) 110 mm, (W) 260 mm, (D) 280 mm
Weight	3 Kg
Operating Temp	0 to 50 °C
Portability	Standard Side Handle
Standard Package	Transmitter, short guide and AC/DC adapter

*Accuracy is specified after warm-up time @ temperature 25 - 30 C°

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