



Base Station Emulator sUTP 5018

FOR CUSTOM CELLULAR NETWORKS



PRODUCT

Applications: Product Validation, Signal Emulation, Production Test Systems



Management System
ISO 9001:2015
www.noffz.com
ID: 910011383



FAST > FLEXIBLE > FOCUSED

sUTP 5018 BSE

The Noffz Base Station Emulator creates a custom cellular environment to serve testing and characterization needs on your workbench as well as in production. Using high power, real-time computing and software defined radio (SDR), you can create custom mobile networks for testing in a compact and cost-effective way.



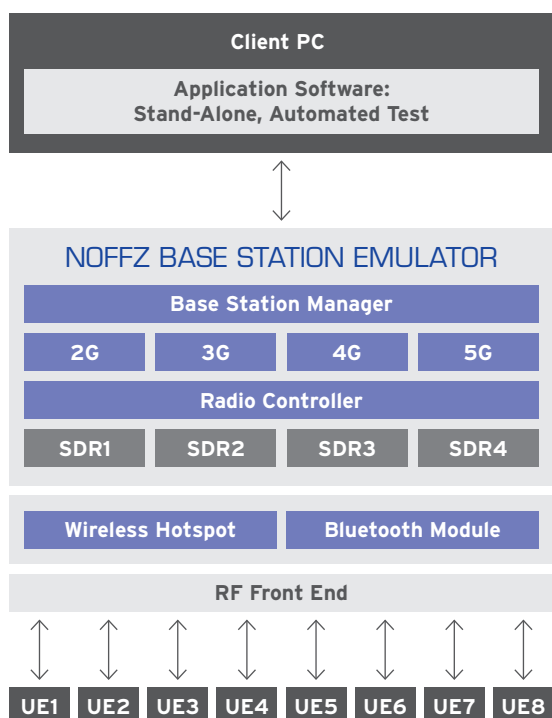
Front

Rear

APPLICATION FIELD

Primarily used for multi-DUT product validation of cellular devices like automotive telematic control units or smartphones. Suitable for comprehensive parallel testing of up to 32 phone modules from simple go/no-go check to 3600 hours life-cycle analysis. Equipped for dual-cell SISO, 2 x 2 MIMO or single-cell 4 x 4 MIMO operation to conduct tests like: Voice call, text messaging, eCall, maximum data throughput or mobile hotspot sharing. Reproduce a specific cellular environment, generate traffic, monitor and log connection parameters with the UTP BSE Manager Software.

SYSTEM DIAGRAM



TECHNICAL DATA

sUTP 5018 BSE

Mechanics

Housing	450 x 318 x 495 mm (W x H x D) / 7U
Weight	20 kg

Cellular Networks

5G NR	NR Rel-15 compliant Non-Standalone support (NSA) Standalone support (SA) 5-100 MHz support FR1 (sub-6GHz) SISO, 2 x 2 MIMO (NSA and SA) 4 x 4 MIMO (only SA) Carrier aggregation 3 x CC 256-QAM
LTE	LTE Rel-14 compliant SISO dual band 2 x 2 MIMO dual band 4 x 4 MIMO single band Carrier aggregation 5 x CC VoIP support Handover support
GSM	GSM 850, GSM 900, DCS 1800 and PCS 1900 2 x simultaneous ARFCNs Handover support Emergency Call support GPRS/EDGE
UMTS	Band 1, 4, 5, 8, 19 1 x UARFCN Rel-1999 support

Interfaces

RF Modes	2x2 MIMO or 4x4 MIMO mode
RF Port 1 (N-type)	NR/LTE MIMO Stream 1, GSM, UMTS
RF Port 2-4 (N-type)	NR/LTE MIMO Stream 2-4
General	3 x USB 3.0 2 x USB-JTAG debug only 2 x 1 Gbit Ethernet 1 x HDMI