

Technical parameters of communication base station EMS

What is a BS type 1 Nr base station?

BS type 1-C: NR base station operating at FR1 with requirements set consisting only of conducted requirements defined at individual antenna connectors. BS type 1-H: NR base station operating at FR1 with a requirement set consisting of conducted requirements defined at individual TAB connectors and OTA requirements defined at RIB.

Which BS RF connectors can be terminated during EMC testing?

BS equipped with antenna connectors or TAB connectors which are possible to be terminated during EMC testing, meeting the BS type 1-C and BS type 1-H RF requirements of TS 38.104, with conformance demonstrated by compliance to TS 38.141-1.

Which Nr test configurations should be used for other NR base stations?

For other NR base stations, the test configurations in table 4.5-1 and table 4.5-2 shall be used. The NR test configurations (NRTCx) are defined in TS 38.141-1, subclause 4.7 for BS type 1-C and BS type 1-H and in TS 38.141-2, subclause 4.7 for BS type 1-O and BS type 2-O.

What is the difference between BS type 2O and channel bandwidth?

BS type 2-O: NR base station operating at FR2 with a requirement set consisting only of OTA requirements defined at the RIB. channel bandwidth: the RF bandwidth supporting a single NR RF carrier with the transmission bandwidth configured in the uplink or downlink of a cell.

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The Radio Frequency (RF) range complies with the Phase II EGSM 900/DCS 1800 recommendation. The frequency range for the transmit band and the receive band are listed in the ...

TECHNICAL SPECIFICATION 5G; NR; Base Station (BS) ElectroMagnetic Compatibility (EMC) (3GPP TS 38.113 version 15.20.0 Release 15)

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The EVM parameter is valuable to the researchers and engineers for the reason that it contains information of

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both amplitude and phase errors in the signal. Before proceeding in analyzing ...

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This paper presents the design considerations and optimization of an energy management system (EMS) tailored for telecommunication base stations (BS) powered by ...

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