ESCOPO DE ENSAIOS AVALIADOS

Processo SEI nº 53500.044056/2019-10

INPE/LIT - Laboratório de Integração e Testes

Produto	Ensaio Acreditado	Norma e/ou procedimento
TRANSCEPTOR E TRANSMISSOR DIGITAL	Funcionais: 4.2.1.2 Transmitter power tolerance; 4.2.2 Transmitter power and frequency control; 4.2.4 Radio Frequency (RF) spectrum mask; 4.2.5 Discrete CW components exceeding the spectrum mask limit; 4.2.6 Spurious emissions – external; 4.2.7 Dynamic Change of Modulation Order; 4.2.8 Radio frequency tolerance.	ETSI EN 302 217-2-2 V2.2.1 (2014-04) ETSI EN 301 126-1 V1.1.2 (1999-09) ETSI ETS 300 019-1-3 ed.1 (1992-02) ETSI ETS 300 019-1-4 ed.1 (1992-02)
TRANSCEPTOR PARA ESTAÇÃO RÁDIO BASE	Funcionais: 6.2 Base station output power 6.3.3 NB-IoT RB power dynamic range for in-band or guard band operation 6.4 Transmit ON/OFF power (TDD) 6.5.1 Frequency error 6.6.1 Occupied bandwidth 6.6.2 Adjacent Channel Leakage power Ratio (ACLR) 6.6.3.5.2 Test requirements for Wide Area BS (Category B) e seus subitens no que for aplicável. 6.6.4.5.2 Transmitter spurious emissions 7.7 Receiver spurious emissions	ETSI TS 136 141 V15.3.0 (2018-07)
ESTAÇÃO TERMINAL DE ACESSO – ETA Tecnologia Nb-IoT LTE Cat. M1	Funcionais: 6.2.2EA - UE Maximum Output Power for UE category M1 6.2.3EA - Maximum Power Reduction (MPR) for UE category M1 6.2.4EA - Additional Maximum Power Reduction (A-MPR) for UE category M1 6.2.5EA - Configured UE transmitted Output Power for UE category M1 6.3.2EA - Minimum Output Power for UE category M1 6.3.3EA - UE Transmit OFF power for UE category M1 6.3.4EA - ON/OFF time mask for UE category M1 6.3.5EA - Power Control for UE category M1 6.5.1EA - Frequency Error for UE category M1 6.5.1EA_1 - Frequency Error for UE category M1 (CEmodeB) 6.5.2.1EA - Error Vector Magnitude (EVM) for UE category M1 6.5.2.2EA - Carrier leakage for UE category M1 6.5.2.3EA - In-band emissions for non allocated RB for UE category M1 6.5.2.4EA - EVM equalizer spectrum flatness for UE category M1 6.6.1EA - Occupied bandwidth for UE category M1 6.6.2.1EA - Spectrum Emission Mask for UE category M1 6.6.2.2EA - Additional Spectrum Emission Mask for UE category M1 6.6.2.3.EA - Adjacent Channel Leakage power Ratio for UE category M1 6.6.3EA - Spurious emission for UE category M1 6.7EA - Transmit intermodulation for UE category M1 7.3EA - Reference sensitivity level for UE category M1 7.4EA - Maximum input level for UE category M1 7.5EA - Adjacent Channel Selectivity (ACS) for category M1 7.6.1EA - In-band blocking for UE category M1 7.6.3EA - Narrow band blocking for UE category M1 7.8.1EA - Wide band Intermodulation for UE category M1 7.9EA - Spurious emissions for UE category M1	ETSI TS 136 521-1 V14.4.0 (2017-11)
ESTAÇÃO TERMINAL DE ACESSO – ETA Tecnologia Nb-IoT Cat. NB1	Funcionais: 6.2.2F - UE Maximum Output Power for UE category NB1 6.2.3F - Maximum Power Reduction (MPR) for UE category NB1 6.2.5F - Configured UE transmitted Output Power for UE category NB1 6.3.2F - Minimum Output Power for UE category NB1 6.3.3F - UE Transmit OFF power for UE category NB1 6.3.4F - ON/OFF time mask for UE category NB1 6.3.5F - Power Control for UE category NB1 6.5.1F - Frequency Error for UE category NB1 6.5.2.1F.1 - Error Vector Magnitude (EVM) for UE category NB1 6.5.2.2F - Carrier leakage for UE category NB1 6.5.2.3F - In-band emissions for non allocated RB for UE category NB1 6.6.1F - Occupied bandwidth for UE category NB1 6.6.2.1F - Spectrum Emission Mask for UE category NB1 6.6.2.3.F - Adjacent Channel Leakage power Ratio for UE category NB1 6.6.3F - Spurious emission for UE category NB1 6.7F - Transmit intermodulation for UE category NB1 7.3F - Reference sensitivity level for UE category NB1 7.4F - Maximum input level for UE category NB1 7.5F - Adjacent Channel Selectivity (ACS) for category NB1 7.6.1F - In-band blocking for UE category NB1 7.8.1F - Wide band Intermodulation for UE category NB1	ETSI TS 136 521-1 V14.4.0 (2017-11)
TELEFONE MOVEL CELULAR Tecnologia Nb-IoT LTE Cat. M1	Funcionais 6.2.2EA - UE Maximum Output Power for UE category M1 6.2.3EA - Maximum Power Reduction (MPR) for UE category M1 6.2.4EA - Additional Maximum Power Reduction (A-MPR) for UE category M1 6.2.5EA - Configured UE transmitted Output Power for UE category M1 6.3.2EA - Minimum Output Power for UE category M1 6.3.3EA - UE Transmit OFF power for UE category M1 6.3.4EA - ON/OFF time mask for UE category M1 6.3.5EA - Power Control for UE category M1 6.5.1EA - Frequency Error for UE category M1 6.5.1EA_1 - Frequency Error for UE category M1 (CEmodeB) 6.5.2.1EA - Error Vector Magnitude (EVM) for UE category M1 6.5.2.2EA - Carrier leakage for UE category M1 6.5.2.3EA - In-band emissions for non allocated RB for UE category M1 6.5.2.4EA - EVM equalizer spectrum flatness for UE category M1 6.6.1EA - Occupied bandwidth for UE category M1 6.6.2.1EA - Spectrum Emission Mask for UE category M1 6.6.2.2EA - Additional Spectrum Emission Mask for UE category M1 6.6.2.3.EA - Adjacent Channel Leakage power Ratio for UE category M1 6.6.3EA - Spurious emission for UE category M1 6.7EA - Transmit intermodulation for UE category M1 7.3EA - Reference sensitivity level for UE category M1 7.4EA - Maximum input level for UE category M1 7.5EA - Adjacent Channel Selectivity (ACS) for category M1 7.6.1EA - In-band blocking for UE category M1 7.6.3EA - Narrow band blocking for UE category M1 7.8.1EA - Wide band Intermodulation for UE category M1 7.9EA - Spurious emissions for UE category M1	ETSI TS 136 521-1 V14.4.0 (2017-11)
TELEFONE MOVEL CELULAR Tecnologia Nb-IoT Cat.NB1	Funcionais: 6.2.2F - UE Maximum Output Power for UE category NB1 6.2.3F - Maximum Power Reduction (MPR) for UE category NB1 6.2.5F - Configured UE transmitted Output Power for UE category NB1 6.3.2F - Minimum Output Power for UE category NB1 6.3.3F - UE Transmit OFF power for UE category NB1 6.3.4F - ON/OFF time mask for UE category NB1 6.3.5F - Power Control for UE category NB1 6.5.1F - Frequency Error for UE category NB1 6.5.2.1F.1 - Error Vector Magnitude (EVM) for UE category NB1 6.5.2.2F - Carrier leakage for UE category NB1 6.5.2.3F - In-band emissions for non allocated RB for UE category NB1 6.6.1F - Occupied bandwidth for UE category NB1 6.6.2.1F - Spectrum Emission Mask for UE category NB1 6.6.2.3.F - Adjacent Channel Leakage power Ratio for UE category NB1 6.6.3F - Spurious emission for UE category NB1 6.7F - Transmit intermodulation for UE category NB1 7.3F - Reference sensitivity level for UE category NB1 7.4F - Maximum input level for UE category NB1 7.5F - Adjacent Channel Selectivity (ACS) for category NB1 7.6.1F - In-band blocking for UE category NB1 7.8.1F - Wide band Intermodulation for UE category NB1	ETSI TS 136 521-1 V14.4.0 (2017-11)

Atualizado em: 24/10/19

Observação: A classificação (o nome) do produto deve estar de acordo com a LISTA DE ESCOPO DE PRODUTOS PARA TELECOMUNICAÇÕES POR FAMÍLIA, aprovada pelo Ato nº 672, disponível na página da Anatel na Internet.