

Title (en)
UPLINK LOW-PEAK-TO-AVERAGE POWER RATIO (PAPR) DEMODULATION REFERENCE SIGNAL (DMRS) SEQUENCE DESIGN

Title (de)
SEQUENZDESIGN VON DEMODULATIONSREFERENZSIGNALEN (DMRS) MIT NIEDRIGEM SPITZENLEISTUNG-ZU MITTELLEISTUNG-VERHÄLTNIS (PAPR) FÜR UPLINK

Title (fr)
CONCEPTION DE SÉQUENCE DE SIGNAL DE RÉFÉRENCE DE DÉMODULATION (DMRS) DE RAPPORT DE PUISSANCE FAIBLE DE CRÊTE À MOYENNE (PAPR) DE LIAISON MONTANTE

Publication
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Application
EP 19871391 A 20191004

Priority

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- US 2019054849 W 20191004

Abstract (en)
[origin: WO2020076656A1] Technology for a user equipment (UE) operable to generate a demodulation reference signal (DM-RS) having a reduced peak-to-average power ratio (PAPR) is disclosed. The UE can generate binary DM-RS sequence in a time domain. The UE can map the binary DM-RS sequence to a 5 pi/2 binary phase shift keying (BPSK) constellation to form a pi/2 BPSK modulated binary DM-RS sequence. The UE can perform Discrete Fourier Transform (DFT) spreading and Orthogonal Frequency Division Multiplexing (OFDM) symbol generation on the pi/2 BPSK modulated binary DM-RS sequence to produce the DM-RS having the reduced PAPR. The UE can encode the DM-RS having 10 the reduced PAPR for transmission to a Next Generation NodeB (gNB) on a physical uplink shared channel (PUSCH) or a physical uplink control channel (PUCCH).

IPC 8 full level
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H04L 5/0048 (2013.01 - EP US); **H04L 27/205** (2013.01 - EP); **H04L 27/261** (2013.01 - EP US); **H04L 27/2614** (2013.01 - EP US);
H04L 27/262 (2013.01 - EP US); **H04L 27/2636** (2013.01 - EP US); **H04L 5/001** (2013.01 - EP)

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