

Title (en)

PEAK-TO-AVERAGE POWER RATIO (PAPR) REDUCTION IN REFERENCE SIGNALS

Title (de)

VERRINGERUNG DES SPITZENLEISTUNG-ZU MITTELLEISTUNG-VERHÄLTNISSES (PAPR) IN REFERENZSIGNALEN

Title (fr)

RÉDUCTION DU RAPPORT PUISSANCE DE CRÊTE/PUISSANCE MOYENNE (PAPR) DES SIGNAUX DE RÉFÉRENCE

Publication

EP 3857833 A4 20220615 (EN)

Application

EP 19865829 A 20190927

Priority

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- US 201862743312 P 20181009
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- US 201862757687 P 20181108
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Abstract (en)

[origin: WO2020069455A1] Technology for a Next Generation NodeB (gNB) operable to generate a downlink reference signal having a reduced peak-to-average power ratio (PAPR) is disclosed. The gNB can map complex pseudo noise (PN) sequence symbols to one or more codedivision-multiplexed (CDM)-Groups. The gNB can perform, on each CDM-Group of the one or more CDM-Groups, a CDM-Group specific linear non-linear operation on the complex PN sequence symbols mapped to the one or more CDM-Groups, to generate the downlink reference signal having the reduced PAPR. The gNB can encode, at the gNB, the downlink reference signal having the reduced PAPR for transmission to a user equipment (UE).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [IA] ERICSSON: "Benefits of resource specific DMRS mapping", vol. RAN WG1, no. Busan, Korea; 20180521 - 20180525, 20 May 2018 (2018-05-20), XP051441440, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/Meetings%5F3GPP%5FSYNC/RAN1/Docs/> [retrieved on 20180520]
- See also references of WO 2020069455A1

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