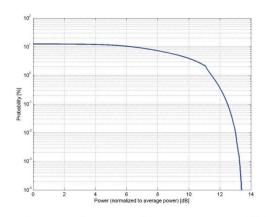
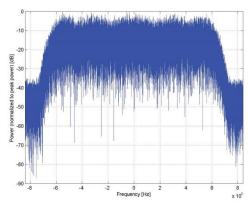


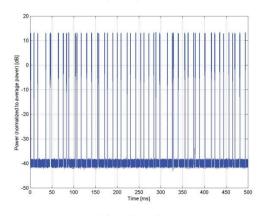
Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain



Schmid & Partner

Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: CDMA2000 (1xEV-DO, Rev. 0)

Group: CDMA2000 UID: 10403-AAB

PAR: ¹ **3.76 dB** MIF: ² **-17.67 dB**

Standard Reference: 941225 D01 SAR test for 3G devices v02

Category: Random amplitude modulation

Modulation: BPSK

Frequency Band: Band Class 0 (815.0-849.0 MHz, 20220)

Band Class 1 (1850.0-1910.0 MHz, 20040) Band Class 2 (872.0-915.0 MHz, 20041) Band Class 3 (887.0-925.0 MHz, 20042) Band Class 4 (1750.0-1780.0 MHz, 20043) Band Class 5 (411.7-483.5 MHz, 20044) Band Class 6 (1920.0-1980.0 MHz, 20045) Band Class 7 (776.0-794.0 MHz, 20046) Band Class 8 (1710.0-1785.0 MHz, 20047) Band Class 9 (880.0-915.0 MHz, 20048) Band Class 10 (806.0-901.0 MHz, 20049)

Band Class 10 (806.0-901.0 MHz, 20049)
Band Class 11 (410.0-462.5 MHz, 20050)
Band Class 12 (870.0-876.0 MHz, 20051)
Band Class 13 (2500.0-2570.0 MHz, 20179)
Band Class 14 (1850.0-1915.0 MHz, 20180)
Band Class 15 (1710.0-1755.0 MHz, 20181)
Band Class 16 (2502.0-2568.0 MHz, 20182)

Band Class 18 (787.0-799.0 MHz, 20184) Band Class 19 (698.0-716.0 MHz, 20185) Band Class 20 (1626.5-1660.5 MHz, 20186) Band Class 21 (2000.0-2020.0 MHz, 20187)

Detailed Specification: Physical Layer Configuration: Subtype 0

Reverse Data Channel: 153.6kbps

Forward Traffic Channel: 2-slot version of 307.2kbps, ACK

channel transmitting in all slots

Access Terminal Power Control: "All bits up"

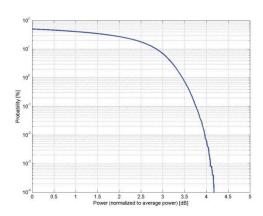
Bandwidth: 1.2 MHz Integration Time: 1.00.0 ms

PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"

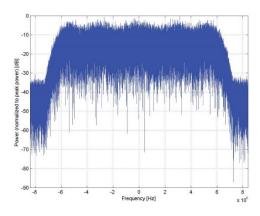
Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



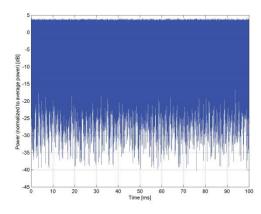
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Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain



Schmid & Partner

Name:

Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)

LTE-FDD Group: UID: 10176-CAE PAR: 1 MIF: 2 6.52dB

-9.76 dB

Standard Reference: 3GPP / ETSLTS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0

FCC OET KDB 941225 D05 SAR for LTE Devices v01 Random amplitude modulation

Category:

16-QAM

Frequency Band: Band 1, E-UTRA/FDD (1920.0 - 1980.0 MHz)

Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz) Band 3, E-UTRA/FDD (1710.0 - 1785.0 MHz) Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz) Band 5, E-UTRA/FDD (824.0 - 849.0 MHz) Band 6, E-UTRA/FDD (830.0 - 840.0 MHz) Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz) Band 8, E-UTRA/FDD (880.0 - 915.0 MHz)

Band 9, E-UTRA/FDD (800.0 - 919.0 MHz) Band 90, E-UTRA/FDD (1749.9 - 1784.9 MHz) Band 10, E-UTRA/FDD (1710.0 - 1770.0 MHz) Band 11, E-UTRA/FDD (1427.9 - 1447.9 MHz) Band 12, E-UTRA/FDD (699.0 - 716.0 MHz) Band 13, E-UTRA/FDD (777.0 - 787.0 MHz) Band 14, E-UTRA/FDD (788.0 - 798.0 MHz) Band 17, E-UTRA/FDD (704.0 - 716.0 MHz) Band 18, E-UTRA/FDD (815.0 - 830.0 MHz) Band 19, E-UTRA/FDD (830.0 - 845.0 MHz) Band 20, E-UTRA/FDD (832.0 - 862.0 MHz) Band 21, E-UTRA/FDD (1447.9 - 1462.9 MHz) Band 22, E-UTRA/FDD (3410.0 - 3490.0 MHz) Band 23, E-UTRA/FDD (2000.0 - 2020.0 MHz) Band 24, E-UTRA/FDD (1626.5 - 1660.5 MHz)

Band 25, E-UTRA/FDD (1850.0 - 1915.0 MHz) Band 26 E-UTRA/FDD (814.0 - 849.0 MHz) Band 27 E-UTRA/FDD (807.0 - 824.0 MHz) Band 28 E-UTRA/FDD (703.0 - 748.0 MHz) Band 30, E-UTRA/FDD (2305.0 - 2315.0 MHz) Band 65, E-UTRA/FDD (1920.0 - 2010.0 MHz) Band 66, E-UTRA/FDD (1710.0 - 1780.0 MHz) Band 68, E-UTRA/FDD (698.0 - 728.0 MHz) Band 70, E-UTRA/FDD (1695.0 - 1710.0 MHz) Band 71, E-UTRA/FDD (663.0 - 698.0 MHz) Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Modulation Scheme: SC-FDMA

Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: QPSK Data Type: UL-SCH Number RB: 1 Transport Block Size: 256 TBS Index: 14

MCS Index: 15 Data Type: PN9 10.0 MHz

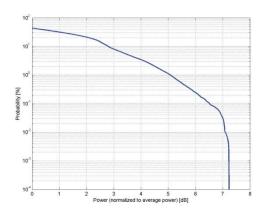
Bandwidth: Integration Time:

PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

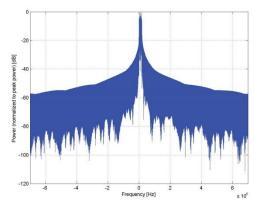
Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



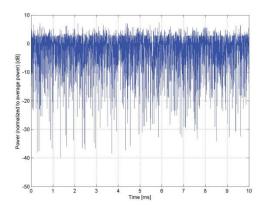
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Engineering AG
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Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain



Schmid & Partner

Name:

Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)

LTE-FDD Group: UID: 10170-CAD PAR: 1 MIF: 2 6.52dB

-9.76 dB

Standard Reference: 3GPP / ETSLTS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0

FCC OET KDB 941225 D05 SAR for LTE Devices v01 Random amplitude modulation

Category:

16-QAM

Frequency Band: Band 1, E-UTRA/FDD (1920.0 - 1980.0 MHz)

Band 1, E-UTRA/FDD (1920.0 - 1980.0 MHz) Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz) Band 3, E-UTRA/FDD (1710.0 - 1785.0 MHz) Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz) Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz) Band 9, E-UTRA/FDD (1749.9 - 1784.9 MHz) Band 10, E-UTRA/FDD (1710.0 - 1770.0 MHz) Band 20, E-UTRA/FDD (832.0 - 862.0 MHz) Band 22, E-UTRA/FDD (3410.0 - 3490.0 MHz) Band 23, E-UTRA/FDD (2000.0 - 2020.0 MHz) Band 25, E-UTRA/FDD (1850.0 - 1915.0 MHz) Band 28 E-UTRA/FDD (703.0 - 748.0 MHz) Band 65, E-UTRA/FDD (1920.0 - 2010.0 MHz) Band 66, E-UTRA/FDD (1710.0 - 1780.0 MHz) Band 70, E-UTRA/FDD (1695.0 - 1710.0 MHz) Band 71, E-UTRA/FDD (663.0 - 698.0 MHz) Validation band (0.0 - 6000.0 MHz)

Modulation Scheme: SC-FDMA Detailed Specification:

Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 16QAM Data Type: UL-SCH Number RB: 1 Transport Block Size: 256 TBS Index: 14 MCS Index: 15

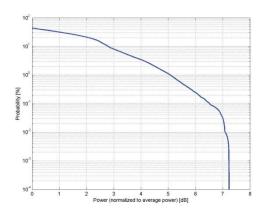
Data Type: PN9 20.0 MHz Bandwidth: Integration Time: 10.0 ms

PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

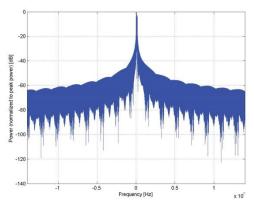
Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



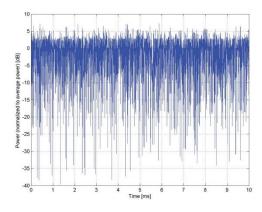
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Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain



Schmid & Partner

Name:

Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)

Group: UID: 10173-CAD PAR: 1 MIF: 2 9.48 dB -1.44 dB

Standard Reference: 3GPP / ETSI TS 136.101 V8.4.0

3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v02 Random amplitude modulation Category:

16-QAM Band 33, E-UTRA/TDD (1900.0 - 1920.0 MHz) Frequency Band:

Band 35, E-UTRA/TDD (1850.0 - 1910.0 MHz) Band 36, E-UTRA/TDD (1930.0 - 1990.0 MHz) Band 37, E-UTRA/TDD (1910.0 - 1930.0 MHz) Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz) Band 39, E-UTRA/TDD (1880.0 - 1920.0 MHz) Band 40, E-UTRA/TDD (2300.0 - 2400.0 MHz) Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz) Band 42, E-UTRA/TDD (3400.0 - 3600.0 MHz)
Band 43, E-UTRA/TDD (3600.0 - 3600.0 MHz)
Band 44, E-UTRA/TDD (703.0 - 803.0 MHz)
Band 44, E-UTRA/TDD (703.0 - 803.0 MHz) Band 46, E-UTRA/FDD (5150.0 - 5925.0 MHz) Band 47, E-UTRA/TDD (5855.0 - 5925.0 MHz) Band 48, E-UTRA/TDD (3550.0 - 3700.0 MHz) Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Modulation Scheme: SC-FDMA

Uplink-downlink configuration: 1 Special Subframe configuration: 4 Number of Frames: 1

Settings for UL Subframe 2,3,7,8: Number of PUSCHs: 1 Modulation Scheme: 16QAM Allocated RB: 1 Start Number of RB: 50 Data Type: PN9fix 20.0 MHz

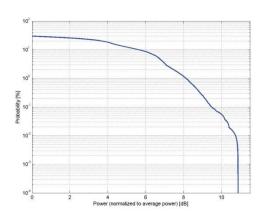
Bandwidth:

PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

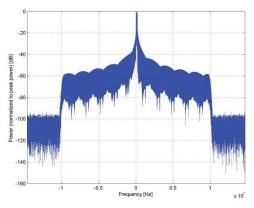
Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



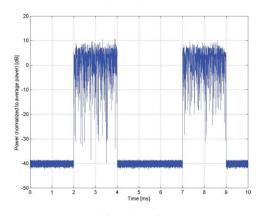
Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain



Schmid & Partner

Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)

Group: WLAN UID: 10061-CAB

PAR: ¹ **3.60 dB** MIF: ² **-2.02 dB**

Standard Reference: IEEE 802.11b-1999 , Part 11, FCC SAR meas for 802 11 a b g

v01r02 (248227 D01)

Category: Random amplitude modulation

Modulation: DQPSK

Frequency Band: WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)

Detailed Specification: Data Rate: 11 Mbps

Spreading, Coding: CCK

PPDU format: Long Preamble & Heading

PSDU Length: 1024 PSDU Data: PN9 20.0 MHz

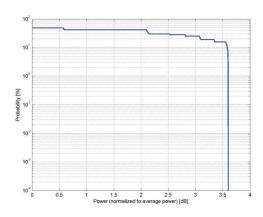
Bandwidth: 20.0 MF Integration Time: 1.5 ms

PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

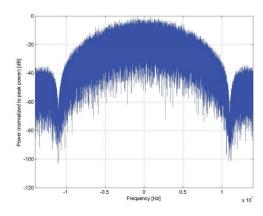
Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



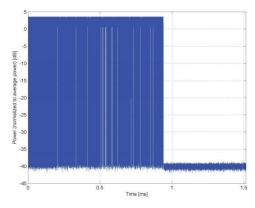
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Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain