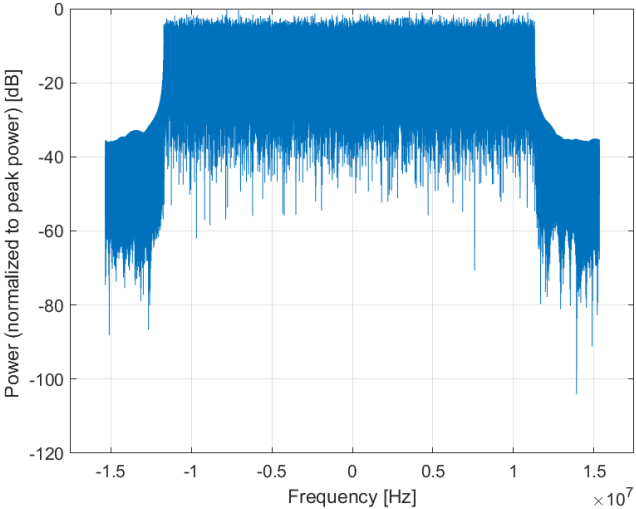
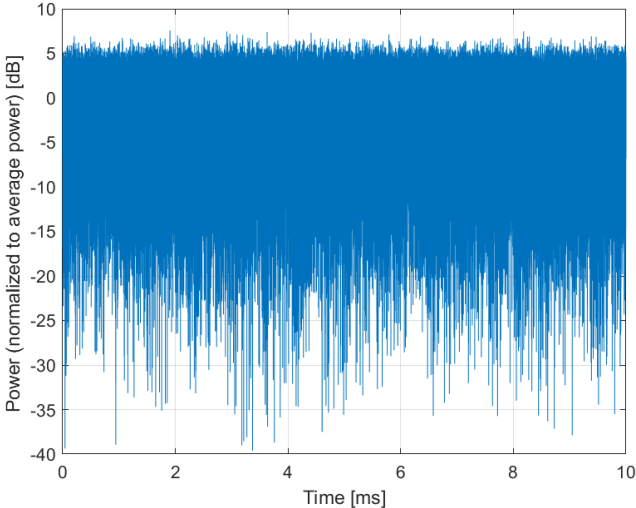


Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD
UID: 10923-AAA

PAR: ¹ **5.84 dB**
MIF: ² **-20.39 dB**

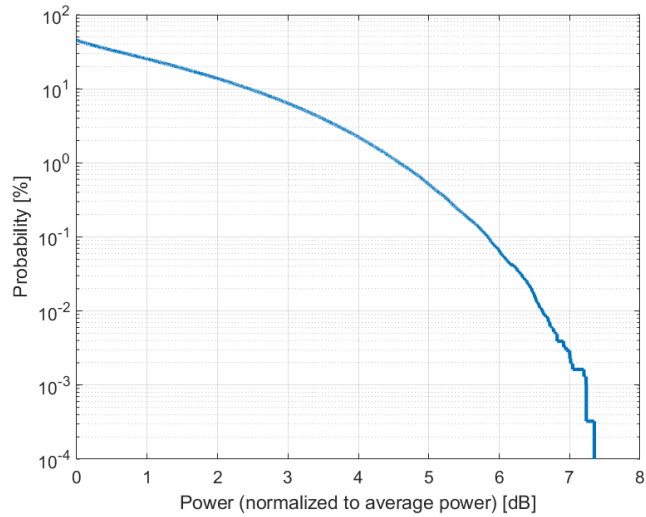
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n39 (1880 - 1920 MHz)
Band n40 (2300 - 2400 MHz)
Band n41 (2496 - 2690 MHz)
Band n48 (3550 - 3700 MHz)
Band n50 (1432 - 1517 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 30 kHz
Number RBs: 75
Slot Format Index: 1
Data Type: PN9

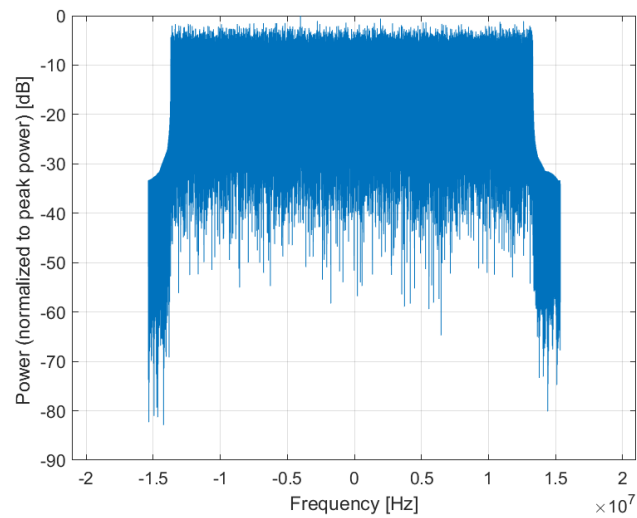
Bandwidth: 30.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

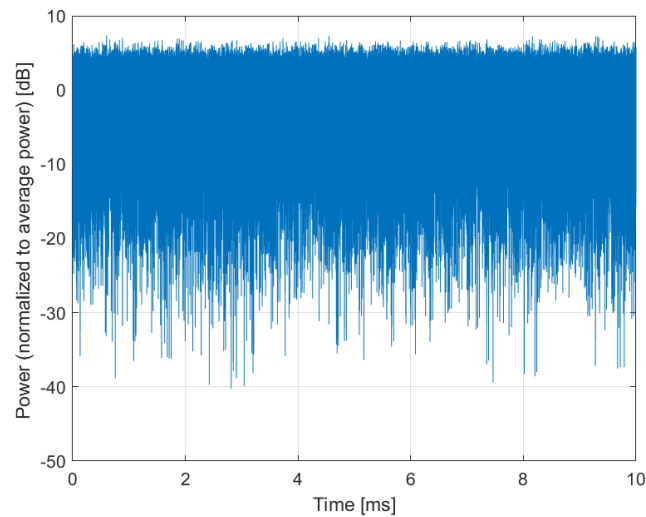
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



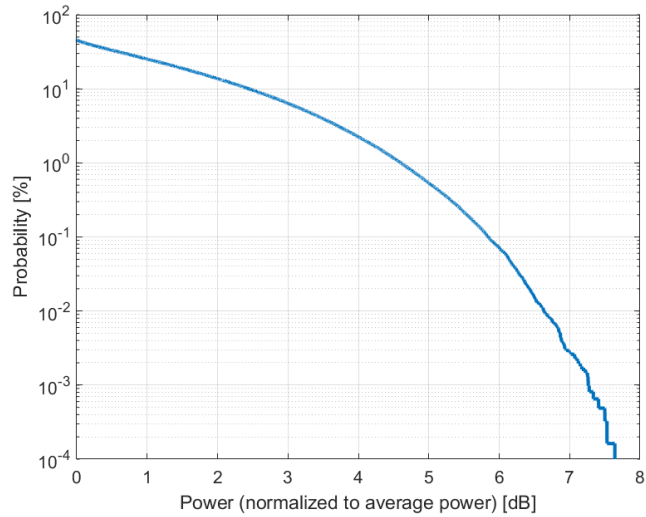
Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

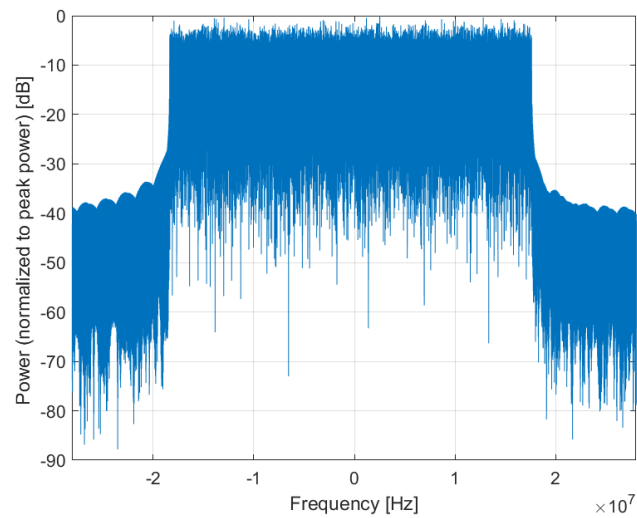
Name:	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)
Group:	5G NR FR1 TDD
UID:	10924-AAA
PAR: ¹	5.84 dB
MIF: ²	-20.45 dB
Standard Reference:	SPEAG
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band n39 (1880 - 1920 MHz) Band n40 (2300 - 2400 MHz) Band n41 (2496 - 2690 MHz) Band n48 (3550 - 3700 MHz) Band n50 (1432 - 1517 MHz) Band n77 (3300 - 4200 MHz) Band n78 (3300 - 3800 MHz) Band n79 (4400 - 5000 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Multiplexing Scheme: DFT-s-OFDM Modulation Scheme: QPSK Subcarrier Spacing: 30 kHz Number RBs: 100 Slot Format Index: 1 Data Type: PN9
Bandwidth:	40.0 MHz
Integration Time:	10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

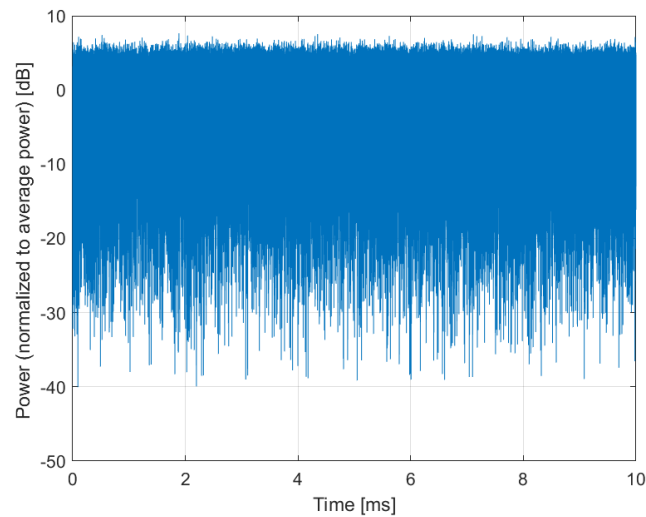
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD
UID: 10925-AAA

PAR: ¹ **5.95 dB**
MIF: ² **-20.23 dB**

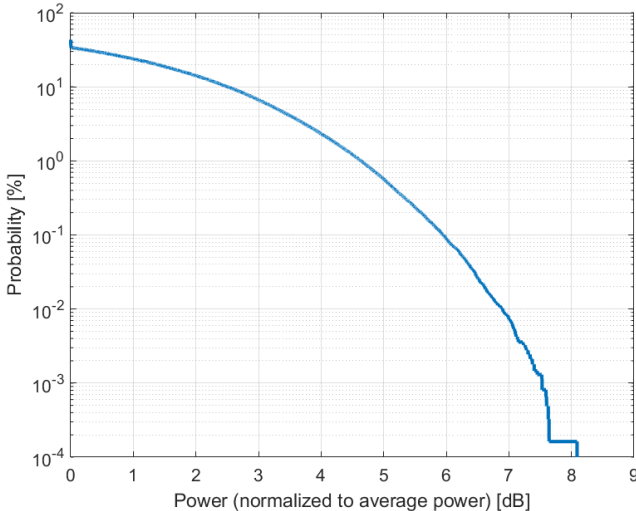
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n40 (2300 - 2400 MHz)
Band n41 (2496 - 2690 MHz)
Band n48 (3550 - 3700 MHz)
Band n50 (1432 - 1517 MHz)
Band n77 (3300 - 4200 MHz)
Band n78 (3300 - 3800 MHz)
Band n79 (4400 - 5000 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 30 kHz
Number RBs: 128
Slot Format Index: 1
Data Type: PN9

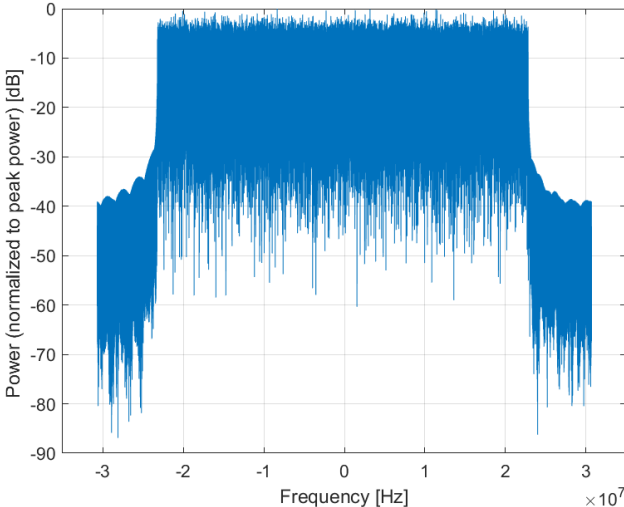
Bandwidth: 50.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

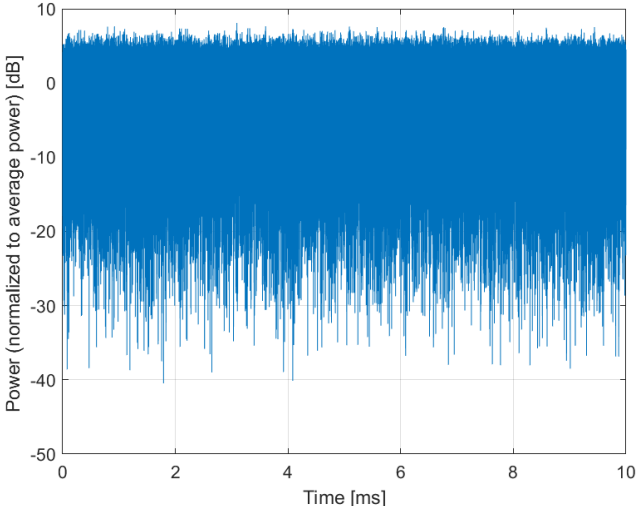
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD
UID: 10926-AAA

PAR: ¹ **5.84 dB**
MIF: ² **-20.48 dB**

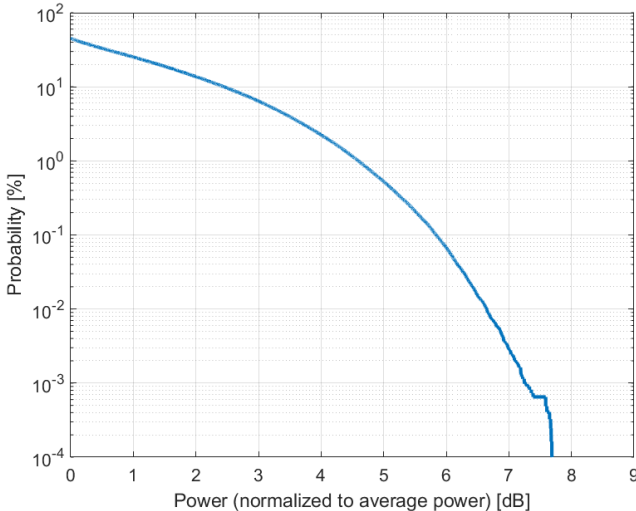
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n40 (2300 - 2400 MHz)
Band n41 (2496 - 2690 MHz)
Band n48 (3550 - 3700 MHz)
Band n50 (1432 - 1517 MHz)
Band n77 (3300 - 4200 MHz)
Band n78 (3300 - 3800 MHz)
Band n79 (4400 - 5000 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 30 kHz
Number RBs: 162
Slot Format Index: 1
Data Type: PN9

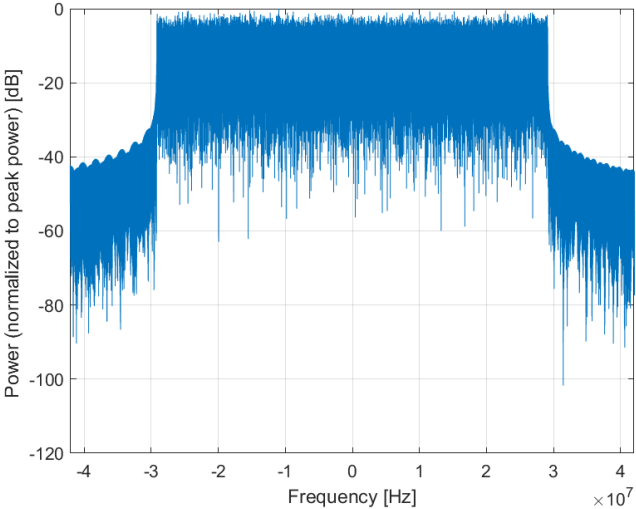
Bandwidth: 60.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

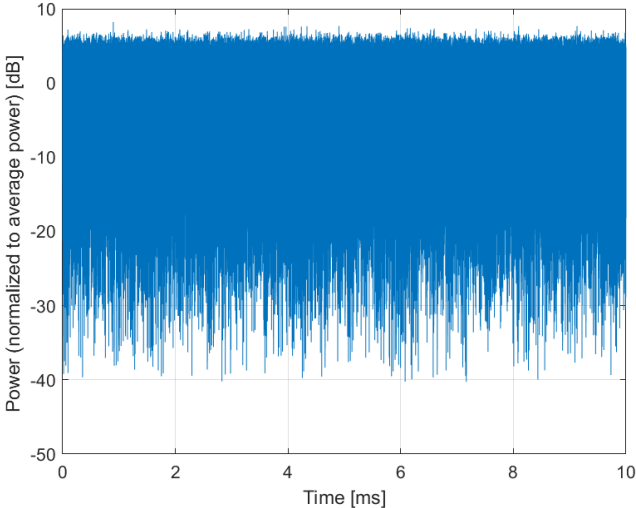
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD
UID: 10927-AAA

PAR: ¹ **5.94 dB**
MIF: ² **-20.32 dB**

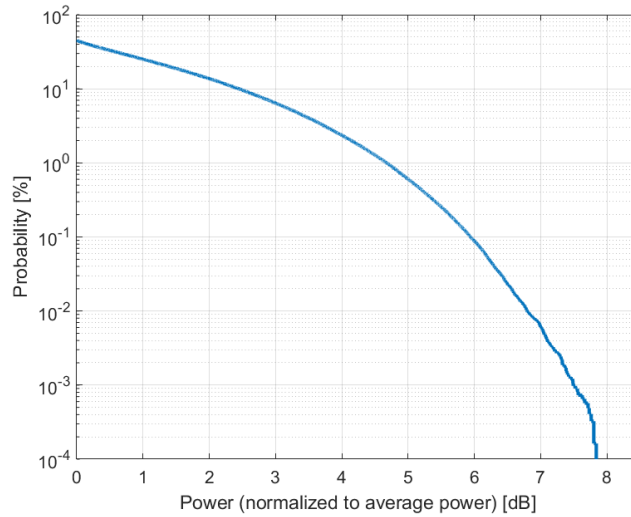
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n40 (2300 - 2400 MHz)
Band n41 (2496 - 2690 MHz)
Band n48 (3550 - 3700 MHz)
Band n50 (1432 - 1517 MHz)
Band n77 (3300 - 4200 MHz)
Band n78 (3300 - 3800 MHz)
Band n79 (4400 - 5000 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 30 kHz
Number RBs: 216
Slot Format Index: 1
Data Type: PN9

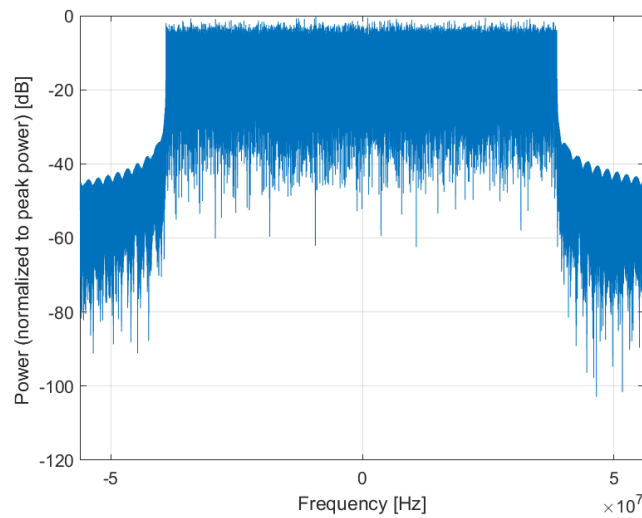
Bandwidth: 80.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

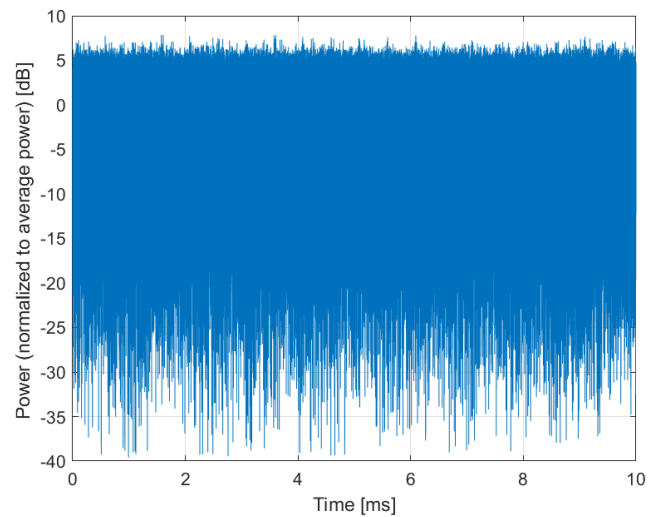
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10928-AAA

PAR: ¹ **5.52 dB**
MIF: ² **-15.06 dB**

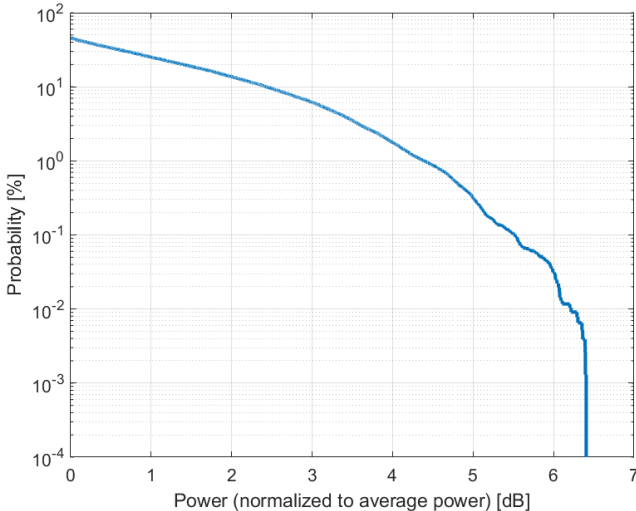
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n2 (1850 - 1910 MHz)
Band n2 (824 - 849 MHz)
Band n25 (1850 - 1915 MHz)
Band n71 (1710 - 1780 MHz)
Band n71 (617 - 652 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

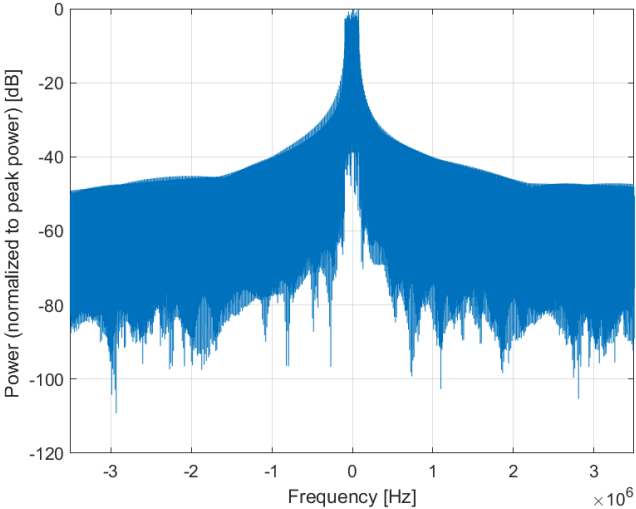
Bandwidth: 5.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

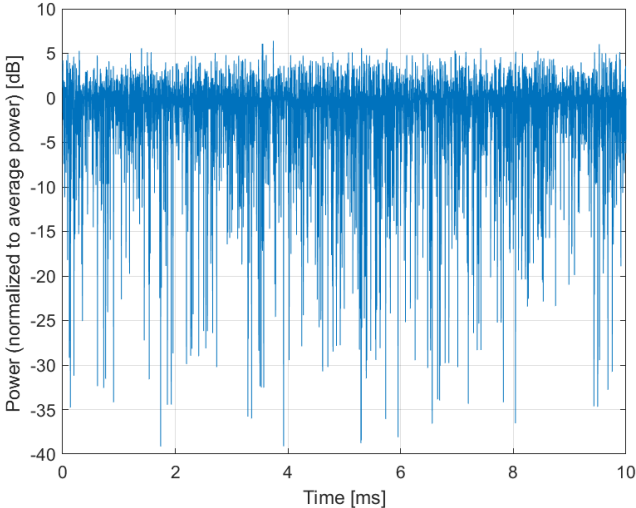
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10929-AAA

PAR: ¹ **5.52 dB**
MIF: ² **-15.06 dB**

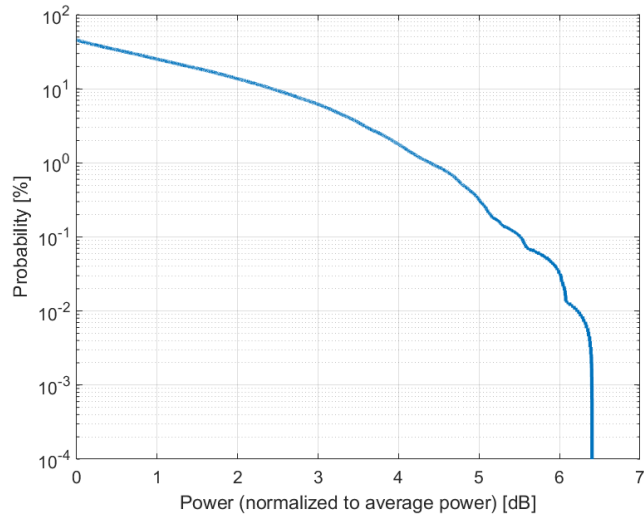
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n2 (1850 - 1910 MHz)
Band n2 (824 - 849 MHz)
Band n25 (1850 - 1915 MHz)
Band n71 (1710 - 1780 MHz)
Band n71 (617 - 652 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

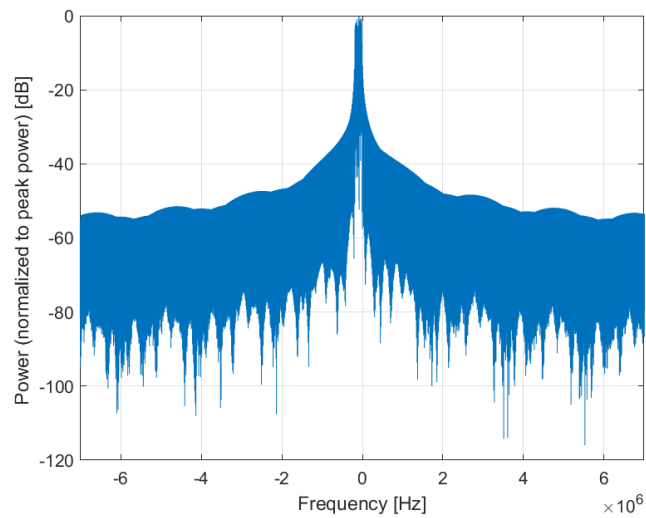
Bandwidth: 10.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

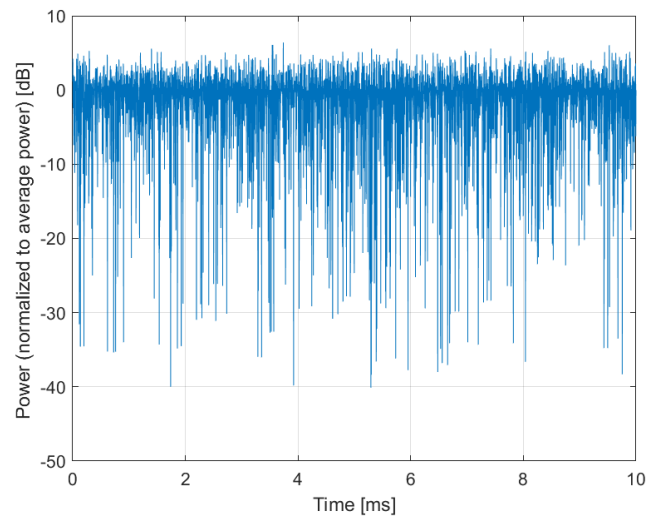
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10930-AAA

PAR: ¹ **5.52 dB**
MIF: ² **-15.06 dB**

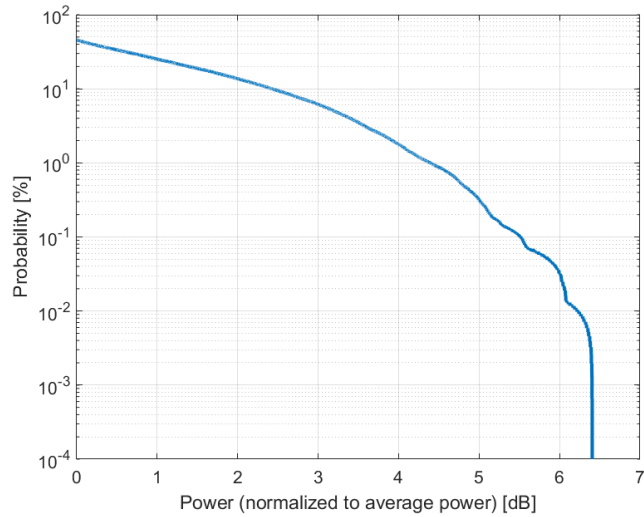
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n2 (1850 - 1910 MHz)
Band n2 (824 - 849 MHz)
Band n25 (1850 - 1915 MHz)
Band n71 (1710 - 1780 MHz)
Band n71 (617 - 652 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

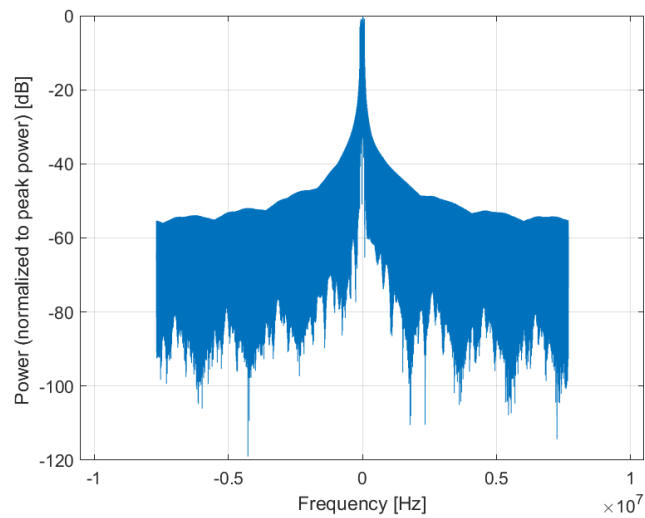
Bandwidth: 15.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

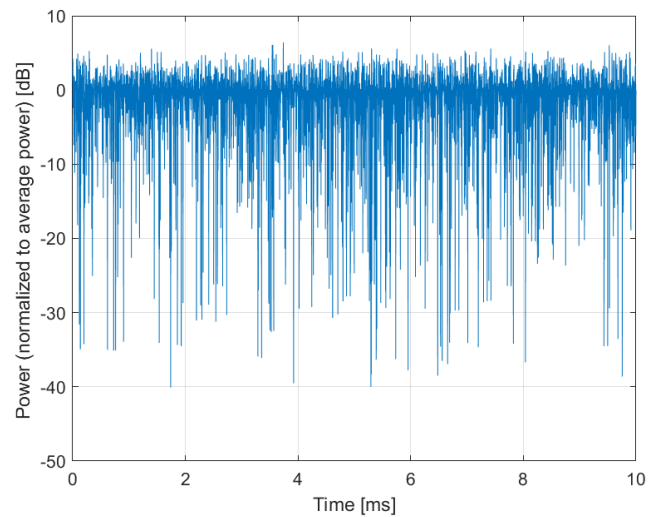
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10931-AAA

PAR: ¹ **5.51 dB**
MIF: ² **-15.06 dB**

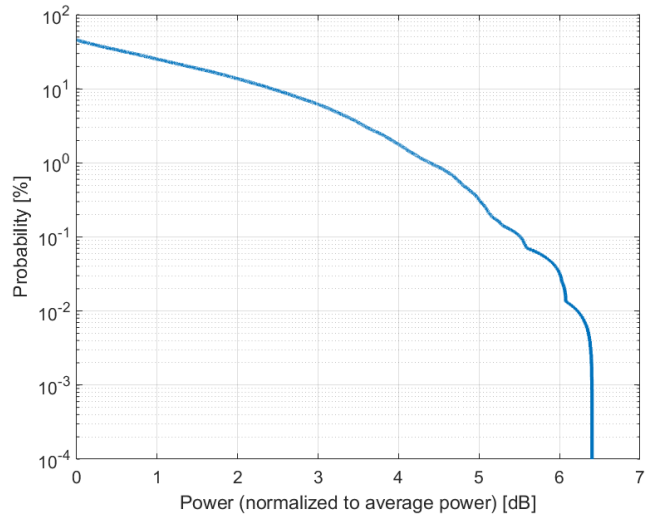
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n2 (1850 - 1910 MHz)
Band n2 (824 - 849 MHz)
Band n25 (1850 - 1915 MHz)
Band n71 (1710 - 1780 MHz)
Band n71 (617 - 652 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

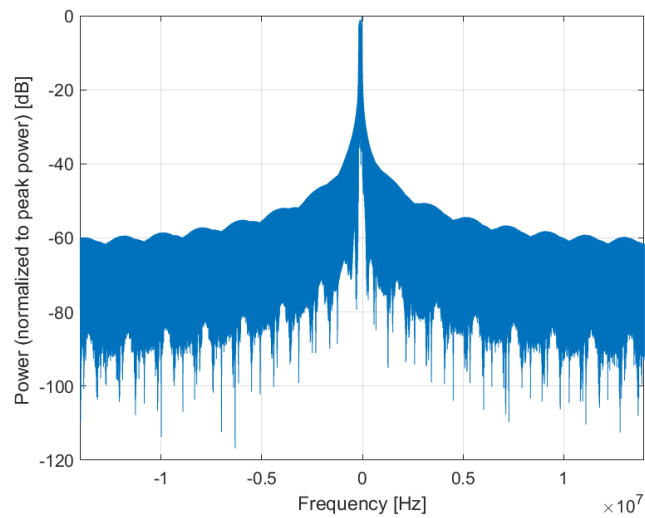
Bandwidth: 20.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

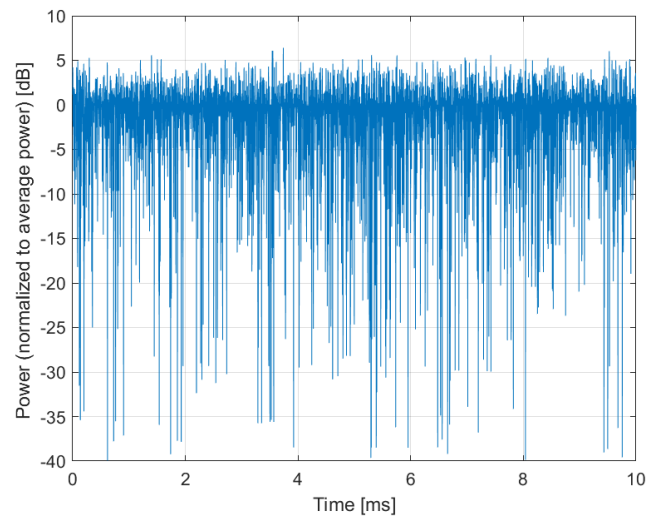
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10932-AAA

PAR: ¹ **5.51 dB**
MIF: ² **-15.06 dB**

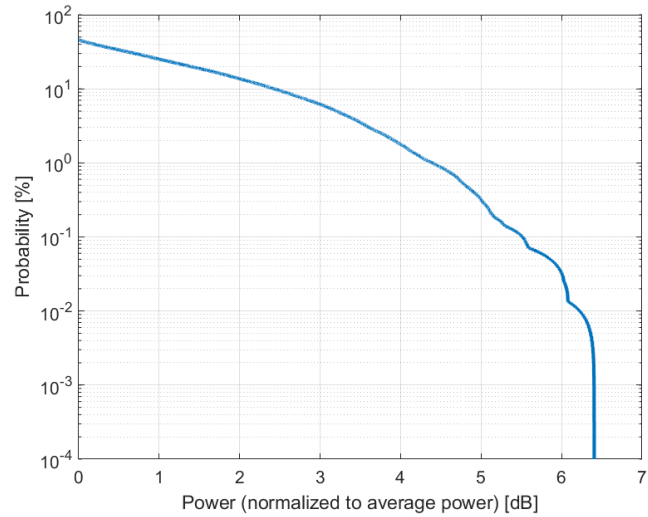
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n25 (1850 - 1915 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

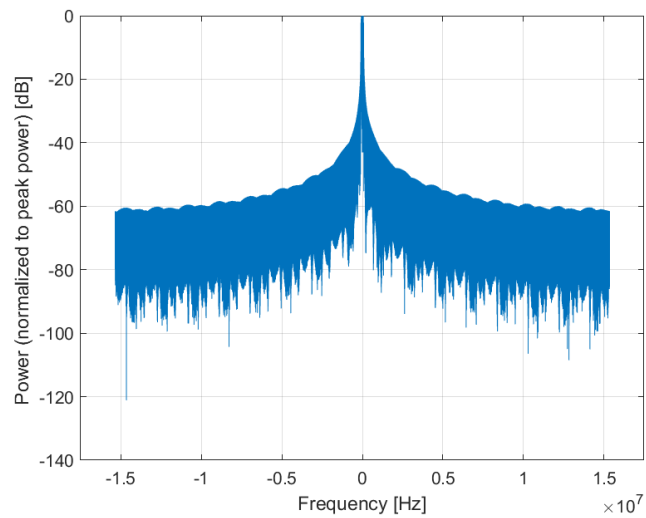
Bandwidth: 25.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

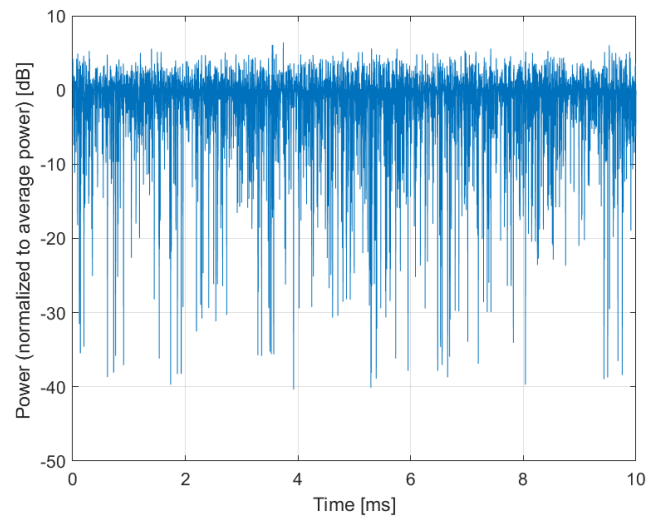
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10933-AAA

PAR: ¹ **5.51 dB**
MIF: ² **-15.06 dB**

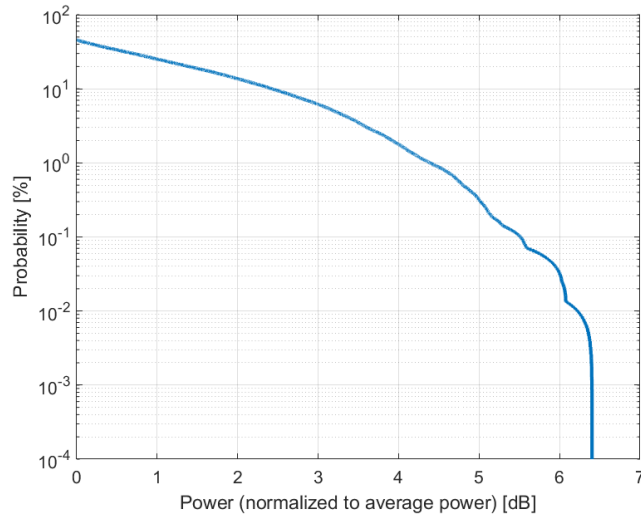
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n25 (1850 - 1915 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

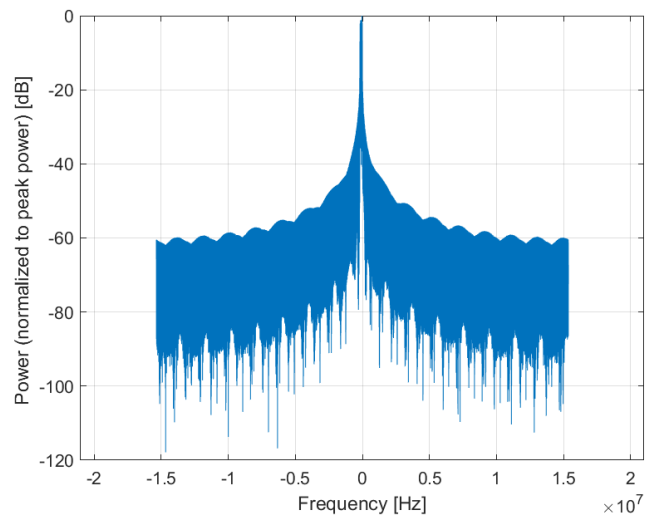
Bandwidth: 30.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

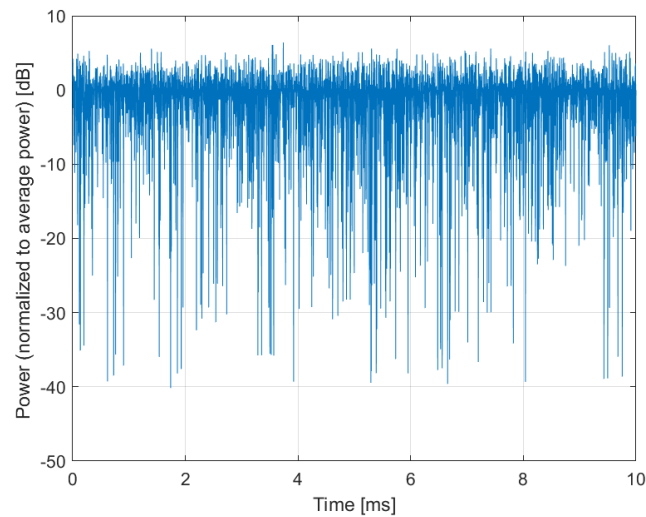
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10934-AAA

PAR: ¹ **5.51 dB**
MIF: ² **-15.07 dB**

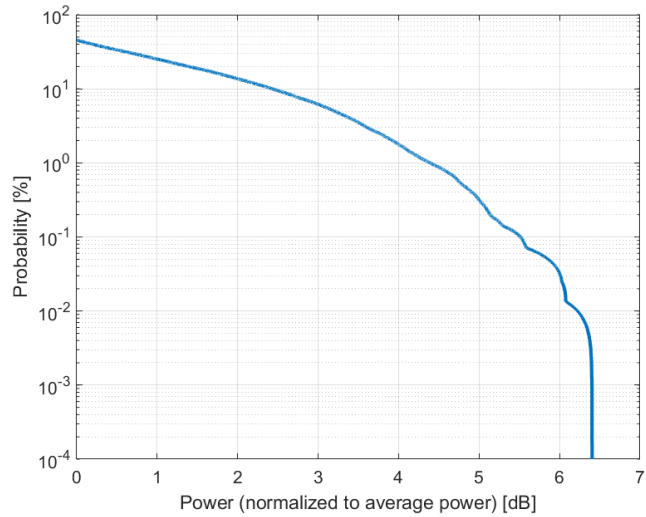
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n25 (1850 - 1915 MHz)
Band n71 (1710 - 1780 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

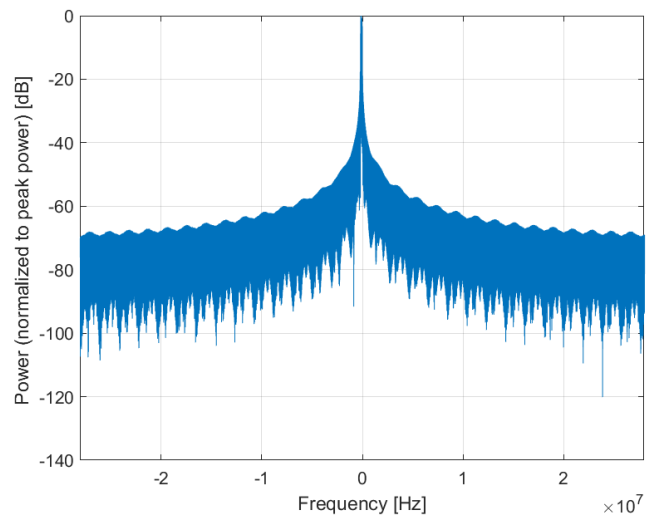
Bandwidth: 40.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

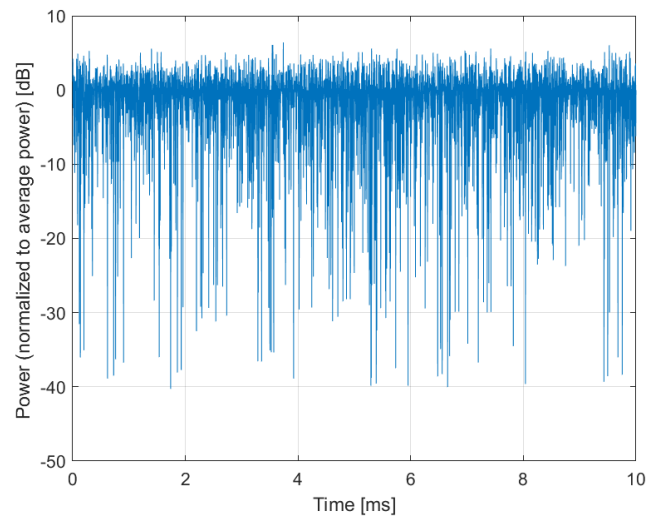
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10935-AAA

PAR: ¹ **5.51 dB**
MIF: ² **-15.07 dB**

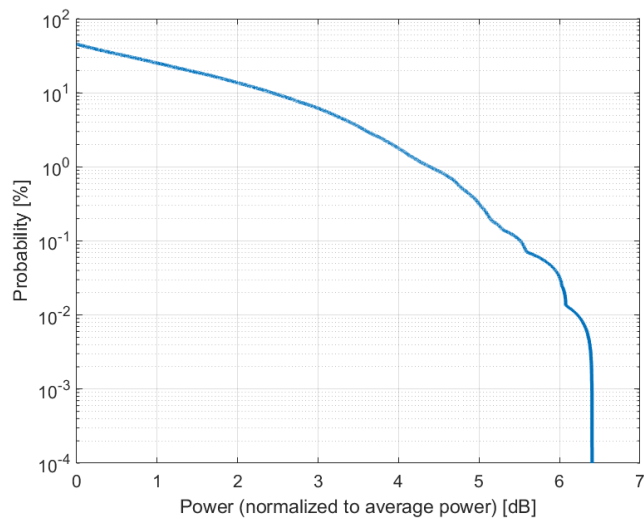
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

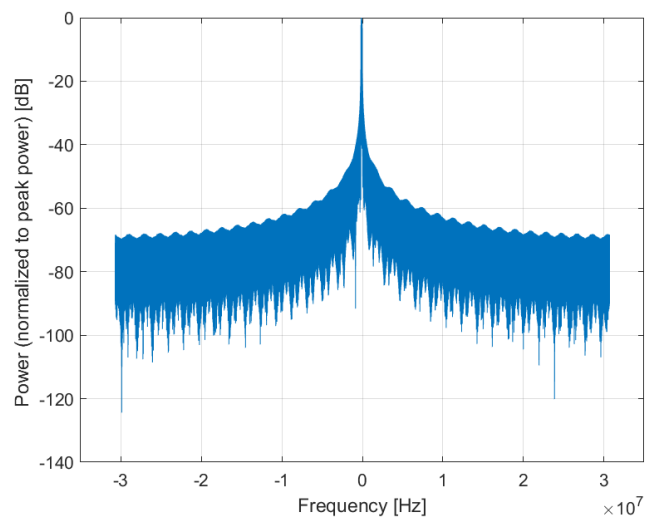
Bandwidth: 50.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

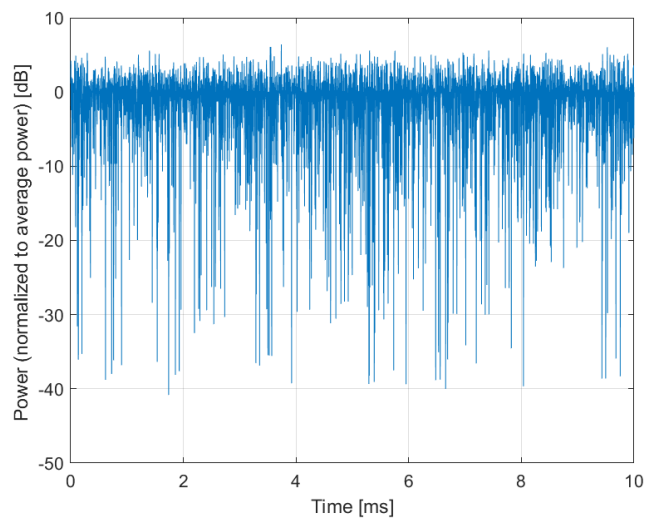
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10936-AAA

PAR: ¹ **5.90 dB**
MIF: ² **-17.91 dB**

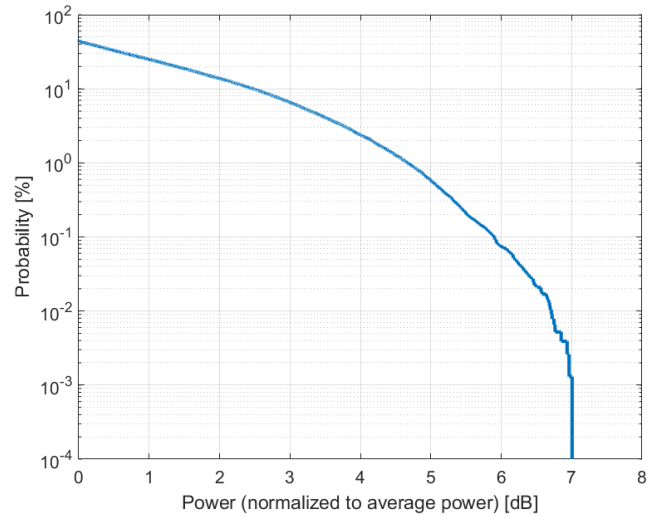
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n2 (1850 - 1910 MHz)
Band n2 (824 - 849 MHz)
Band n25 (1850 - 1915 MHz)
Band n71 (1710 - 1780 MHz)
Band n71 (617 - 652 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

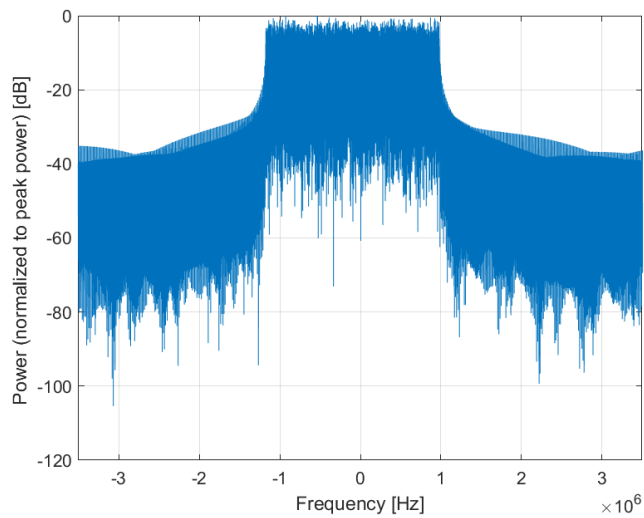
Bandwidth: 5.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

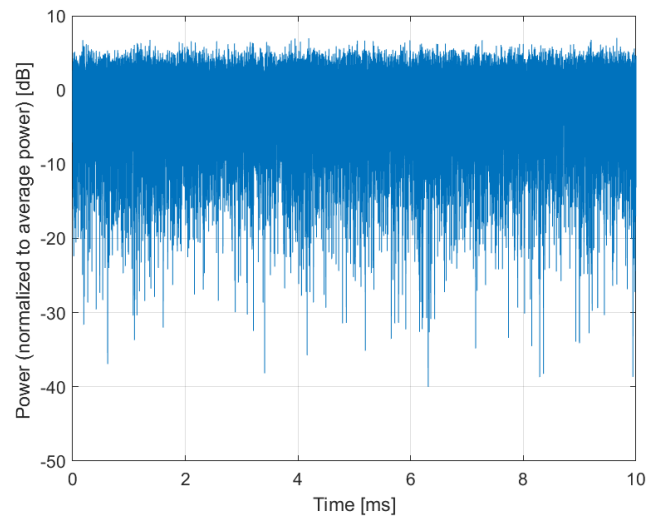
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10937-AAA

PAR: ¹ **5.77 dB**
MIF: ² **-18.38 dB**

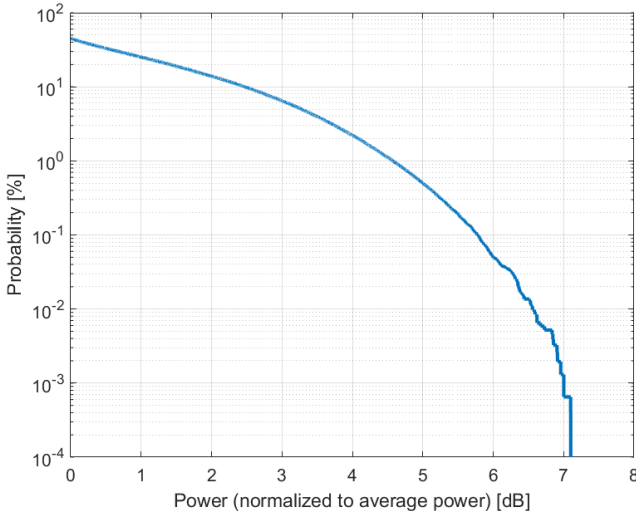
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n2 (1850 - 1910 MHz)
Band n2 (824 - 849 MHz)
Band n25 (1850 - 1915 MHz)
Band n71 (1710 - 1780 MHz)
Band n71 (617 - 652 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

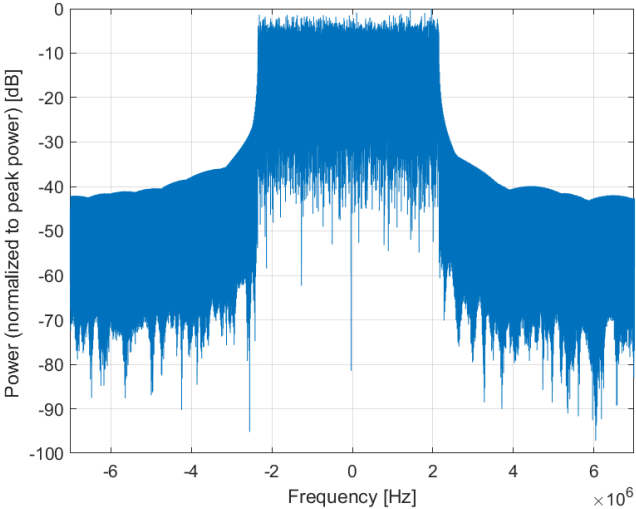
Bandwidth: 10.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

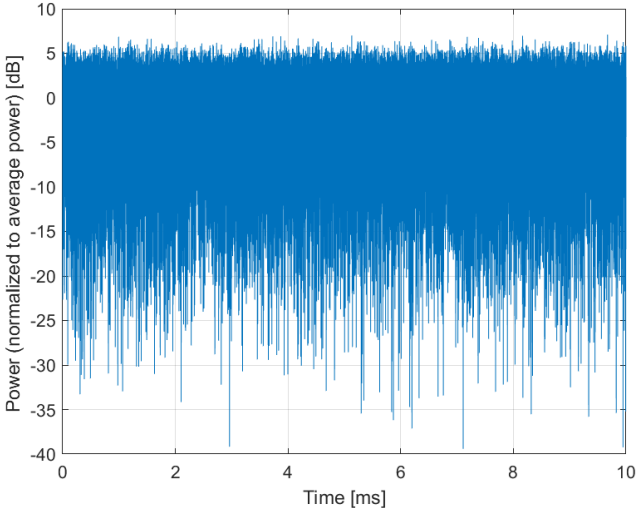
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10938-AAA

PAR: ¹ **5.90 dB**
MIF: ² **-18.58 dB**

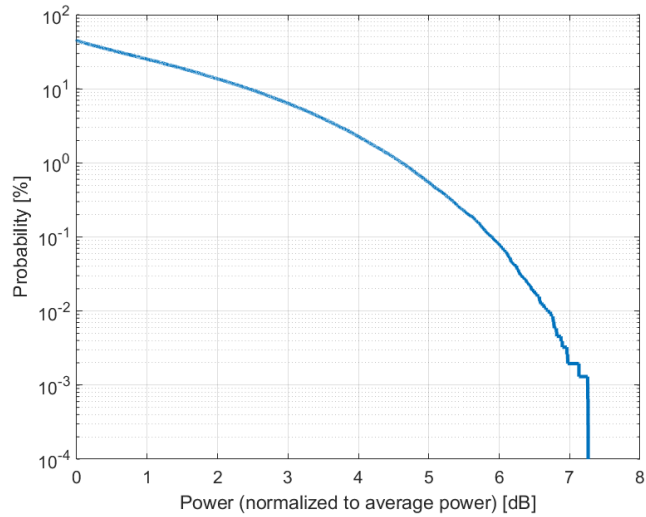
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n2 (1850 - 1910 MHz)
Band n2 (824 - 849 MHz)
Band n25 (1850 - 1915 MHz)
Band n71 (1710 - 1780 MHz)
Band n71 (617 - 652 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

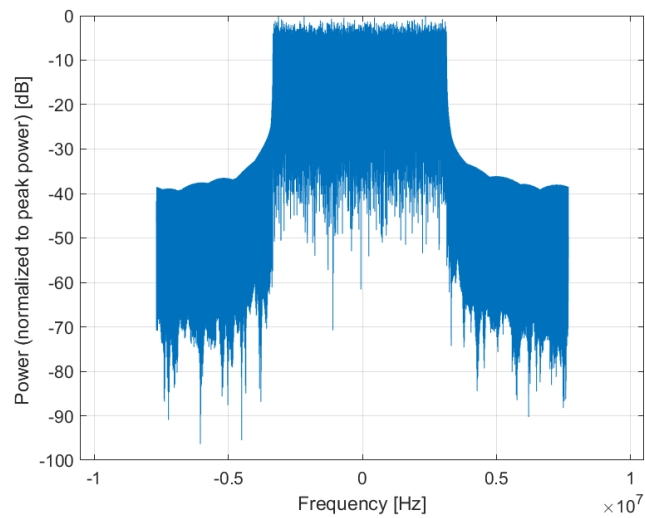
Bandwidth: 15.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

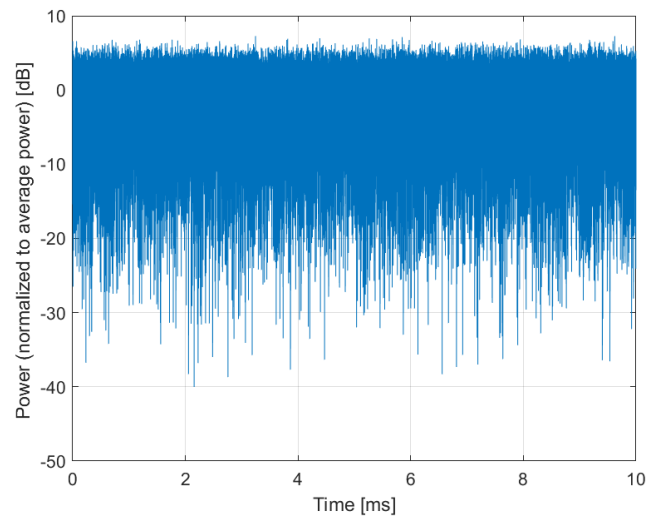
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10939-AAA

PAR: ¹ **5.82 dB**
MIF: ² **-18.65 dB**

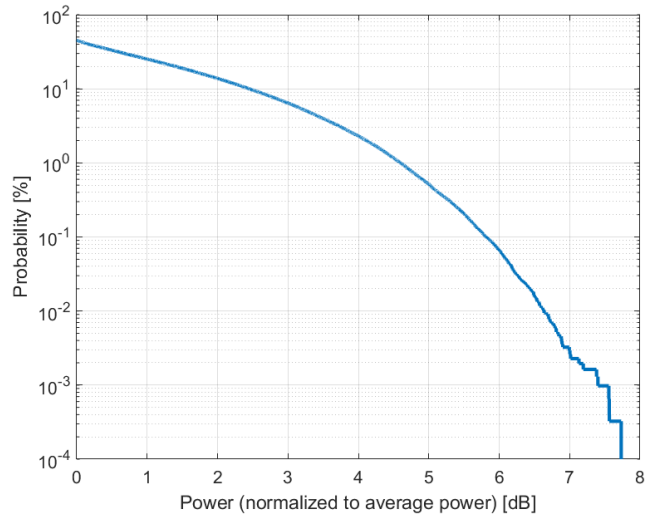
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n2 (1850 - 1910 MHz)
Band n2 (824 - 849 MHz)
Band n25 (1850 - 1915 MHz)
Band n71 (1710 - 1780 MHz)
Band n71 (617 - 652 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

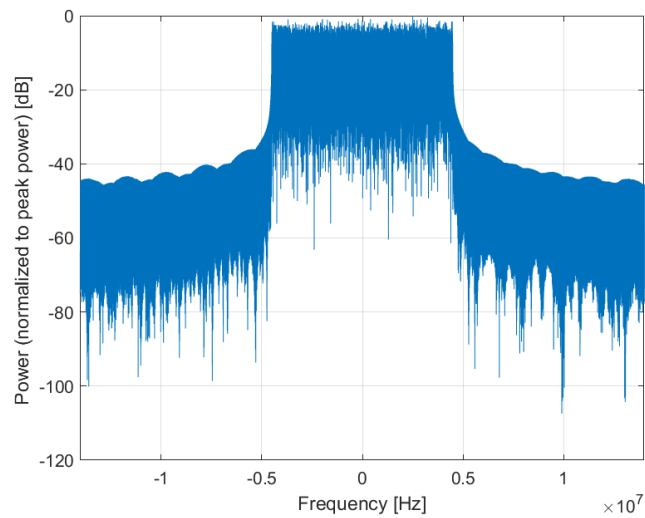
Bandwidth: 20.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

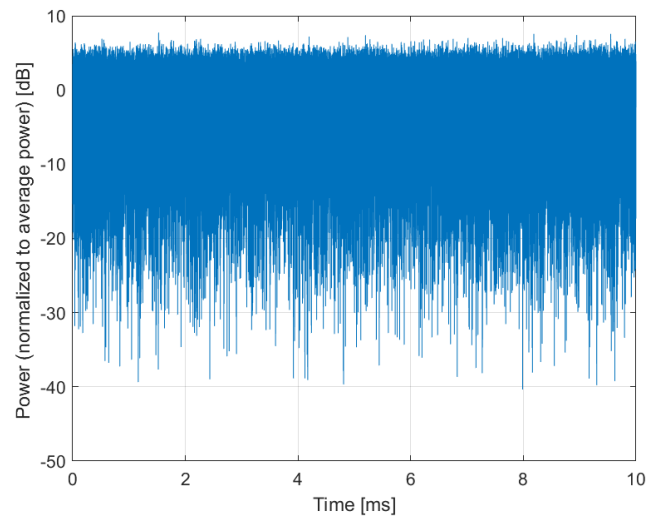
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10940-AAA

PAR: ¹ **5.89 dB**
MIF: ² **-18.65 dB**

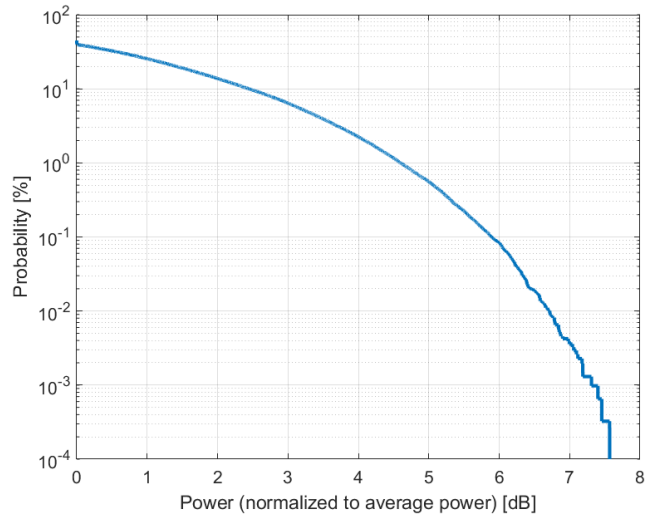
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n25 (1850 - 1915 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

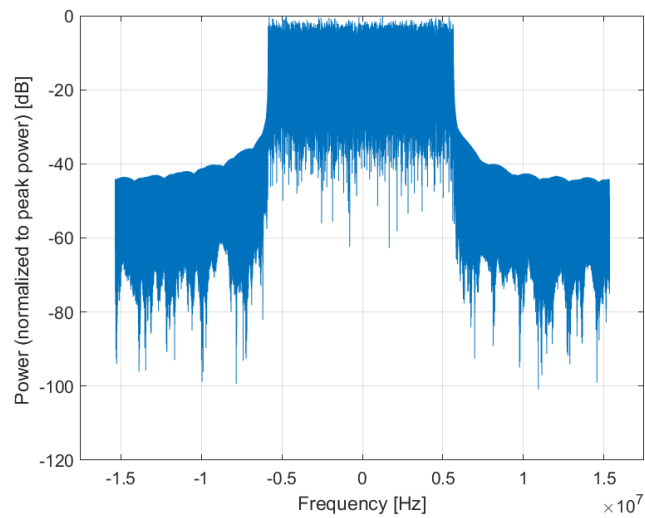
Bandwidth: 25.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

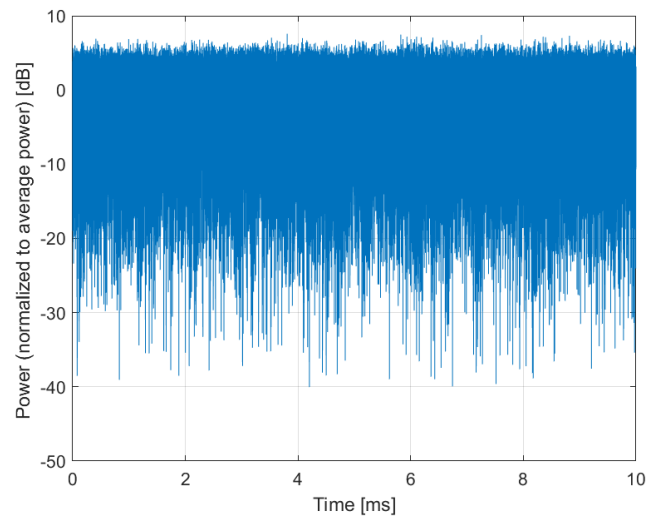
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10941-AAA

PAR: ¹ **5.83 dB**
MIF: ² **-18.66 dB**

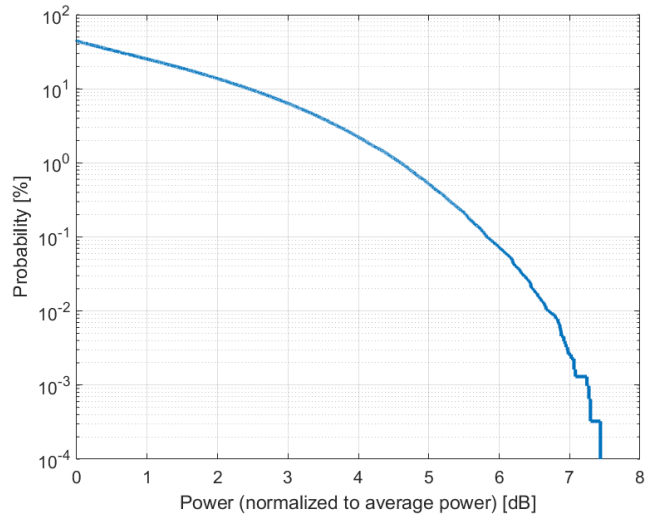
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n25 (1850 - 1915 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

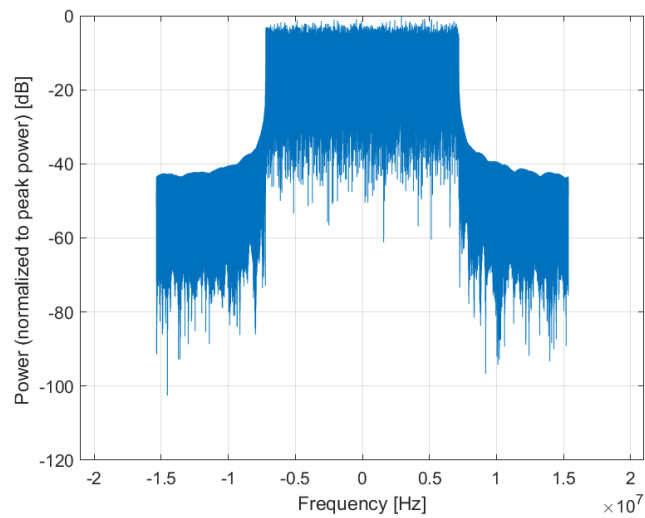
Bandwidth: 30.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

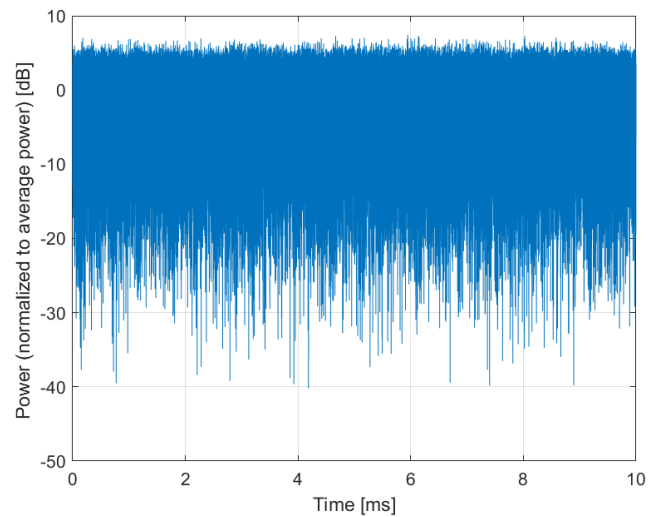
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10942-AAA

PAR: ¹ **5.85 dB**
MIF: ² **-18.71 dB**

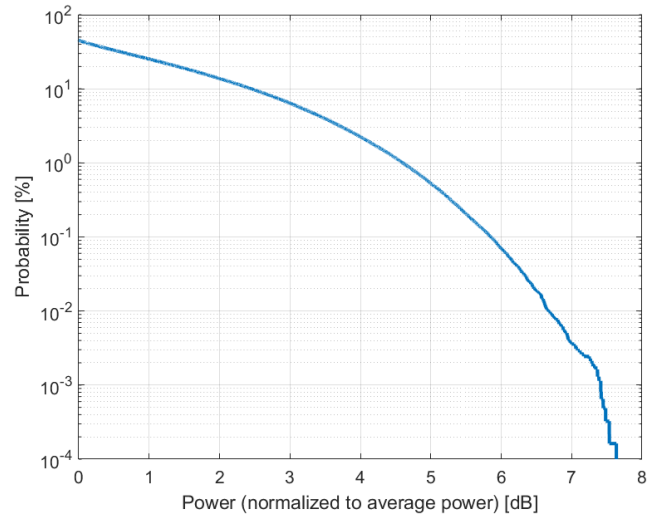
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n25 (1850 - 1915 MHz)
Band n71 (1710 - 1780 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

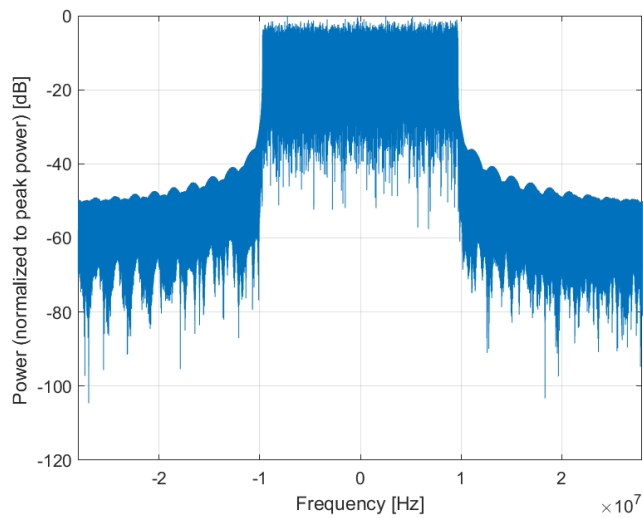
Bandwidth: 40.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

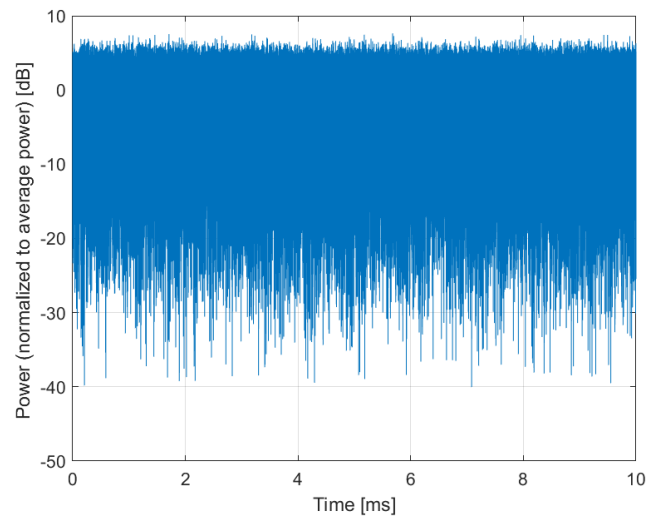
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10943-AAA

PAR: ¹ **5.95 dB**
MIF: ² **-18.52 dB**

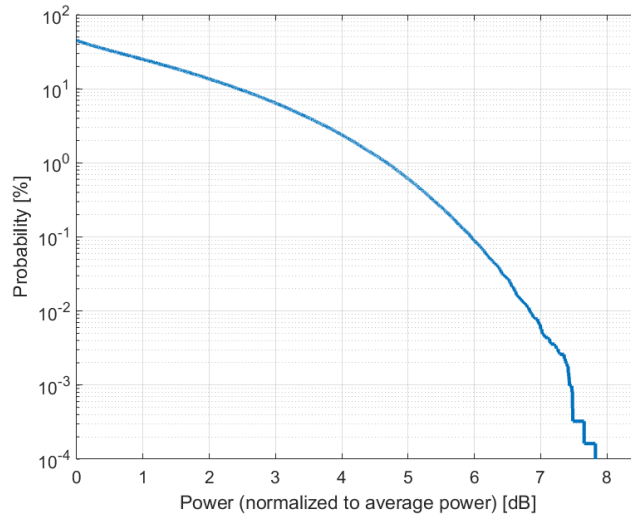
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

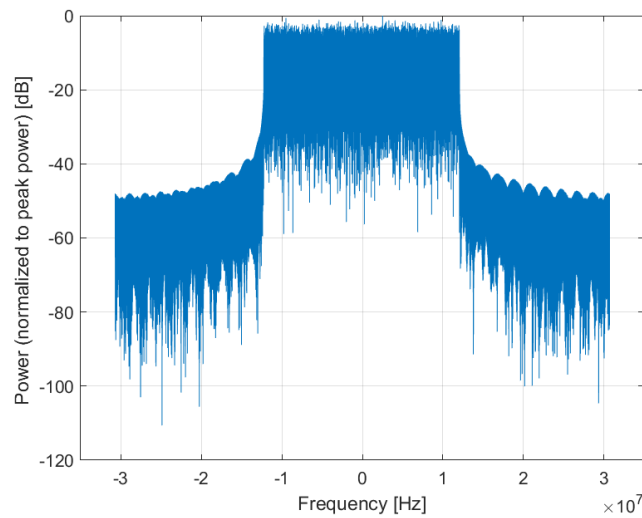
Bandwidth: 50.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

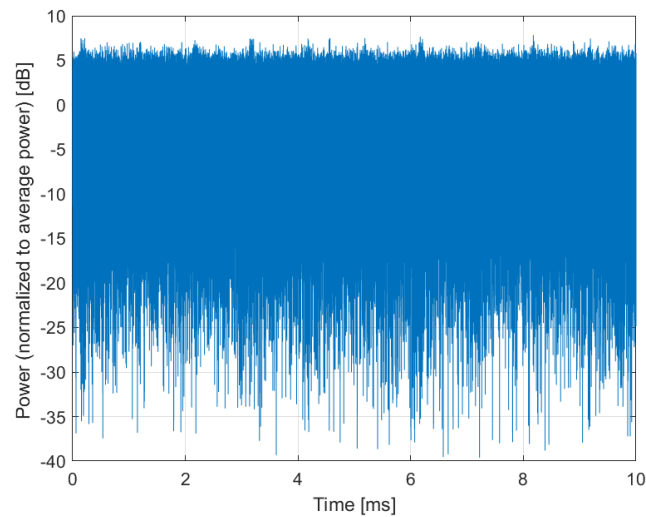
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10944-AAA

PAR: ¹ **5.81 dB**
MIF: ² **-18.38 dB**

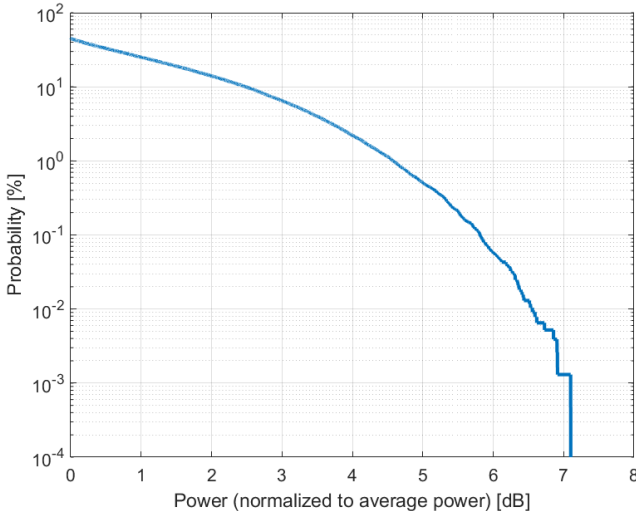
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n2 (1850 - 1910 MHz)
Band n2 (824 - 849 MHz)
Band n25 (1850 - 1915 MHz)
Band n71 (1710 - 1780 MHz)
Band n71 (617 - 652 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

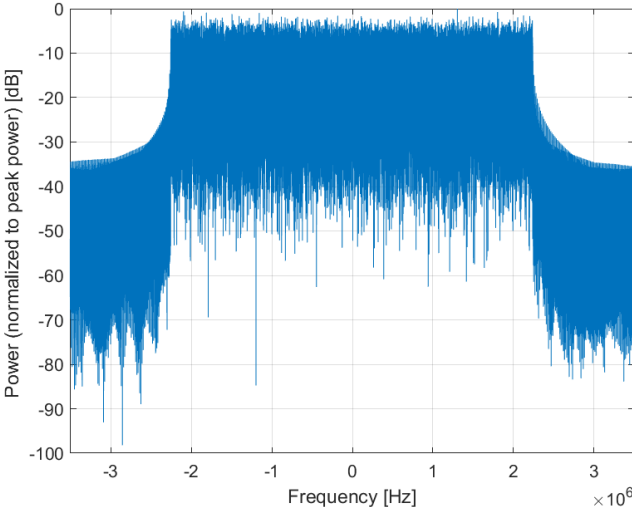
Bandwidth: 5.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

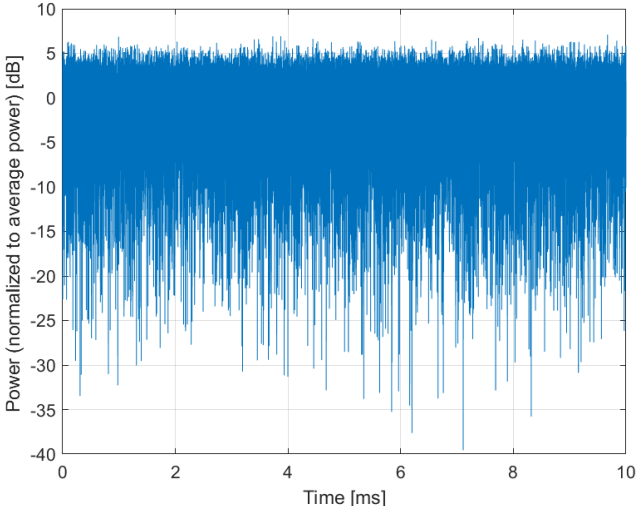
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10945-AAA

PAR: ¹ **5.85 dB**
MIF: ² **-18.65 dB**

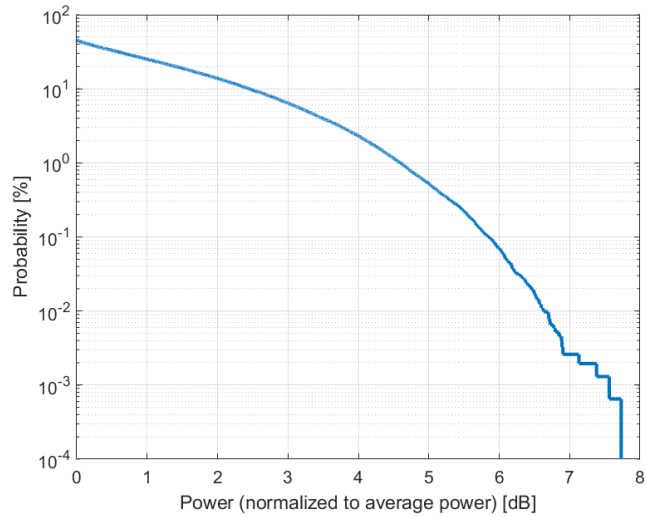
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n2 (1850 - 1910 MHz)
Band n2 (824 - 849 MHz)
Band n25 (1850 - 1915 MHz)
Band n71 (1710 - 1780 MHz)
Band n71 (617 - 652 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

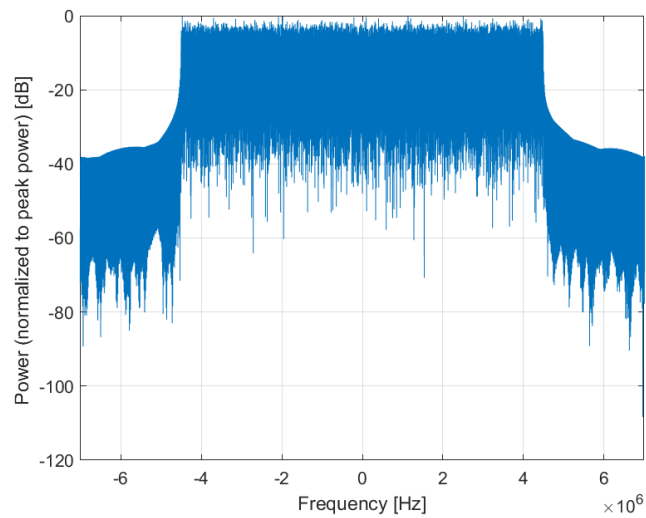
Bandwidth: 10.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

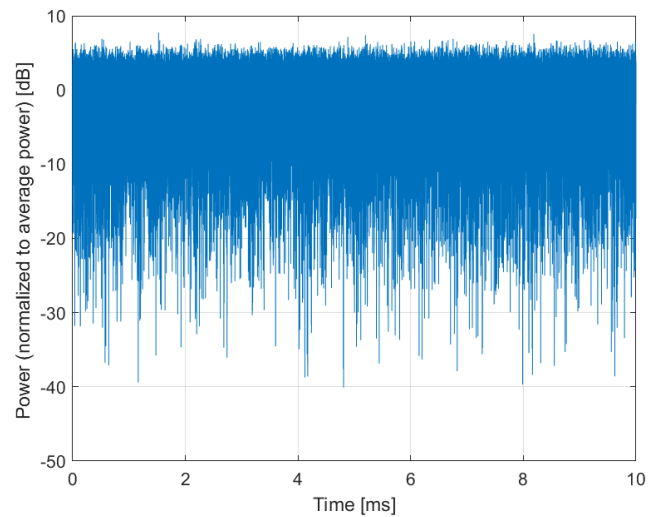
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10946-AAA

PAR: ¹ **5.83 dB**
MIF: ² **-18.70 dB**

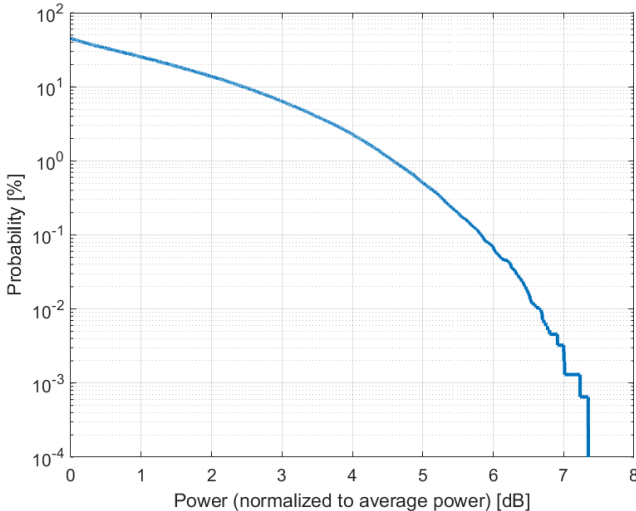
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n2 (1850 - 1910 MHz)
Band n2 (824 - 849 MHz)
Band n25 (1850 - 1915 MHz)
Band n71 (1710 - 1780 MHz)
Band n71 (617 - 652 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

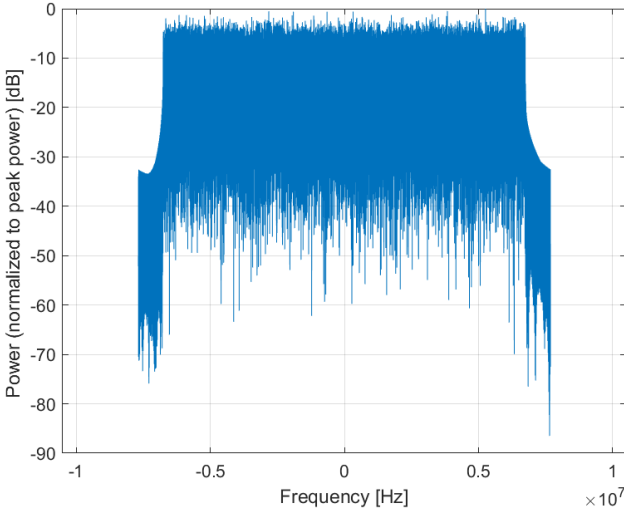
Bandwidth: 15.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

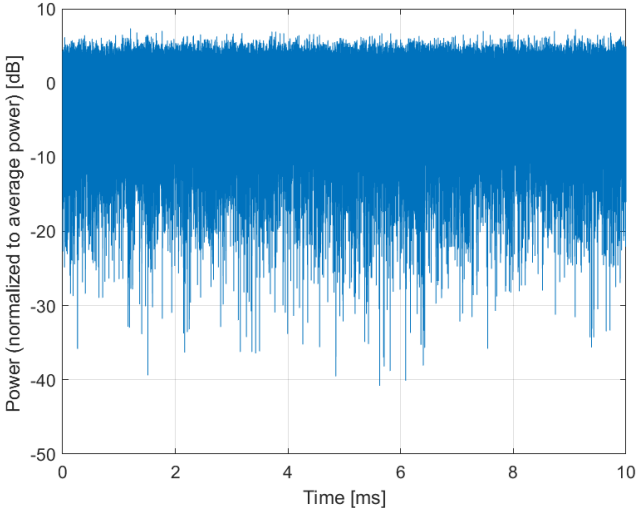
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10947-AAA

PAR: ¹ **5.87 dB**
MIF: ² **-18.60 dB**

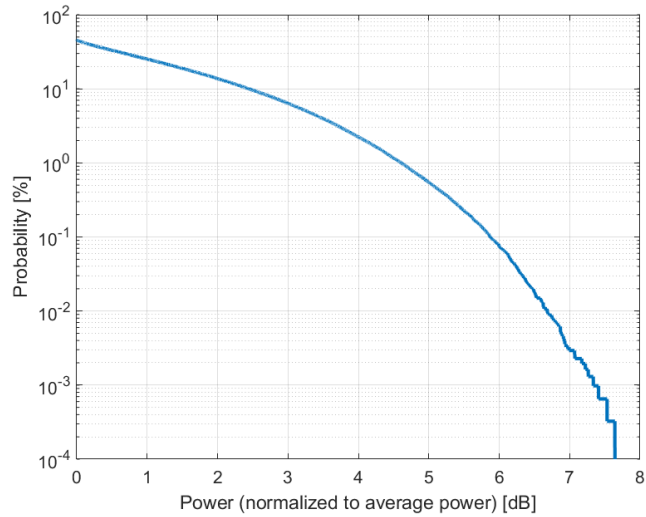
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n2 (1850 - 1910 MHz)
Band n2 (824 - 849 MHz)
Band n25 (1850 - 1915 MHz)
Band n71 (1710 - 1780 MHz)
Band n71 (617 - 652 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

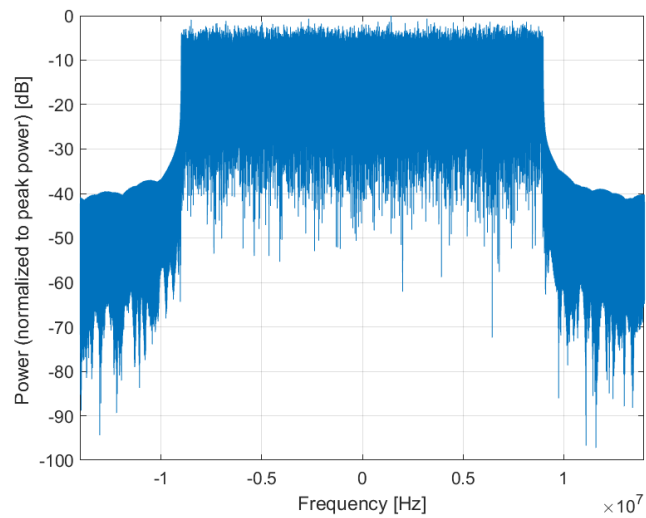
Bandwidth: 20.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

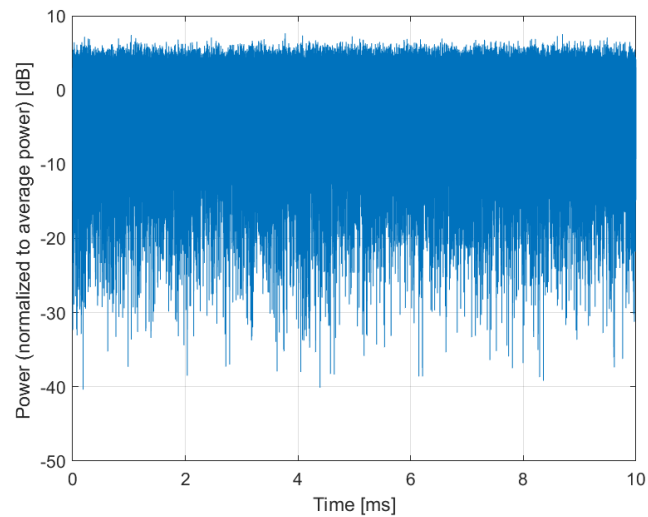
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10948-AAA

PAR: ¹ **5.94 dB**
MIF: ² **-18.50 dB**

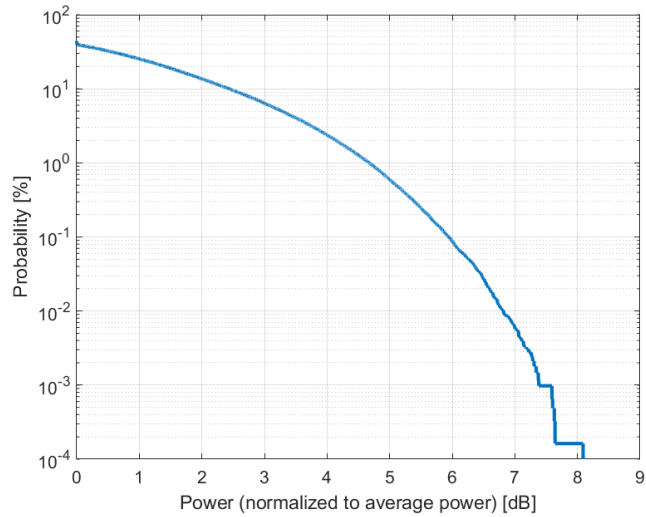
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n25 (1850 - 1915 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

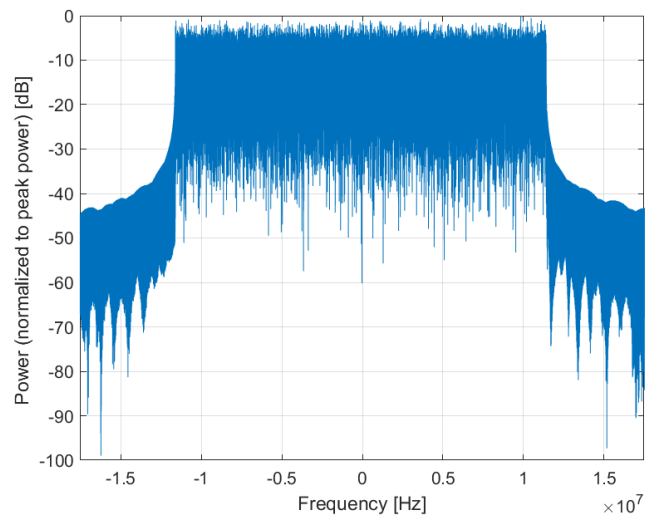
Bandwidth: 25.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

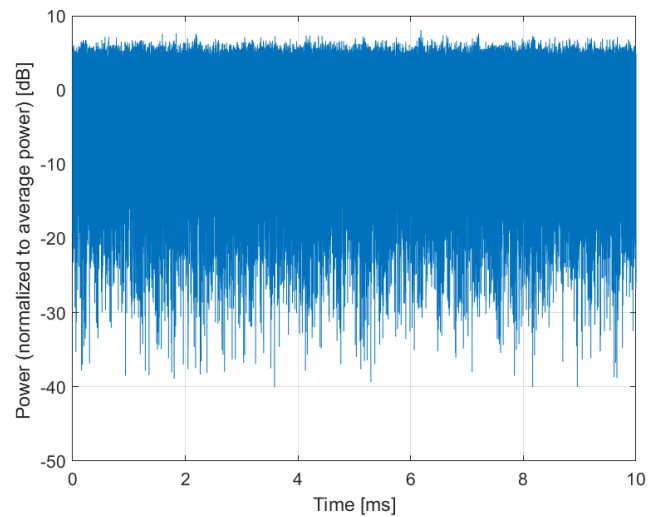
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10949-AAA

PAR: ¹ **5.87 dB**
MIF: ² **-18.85 dB**

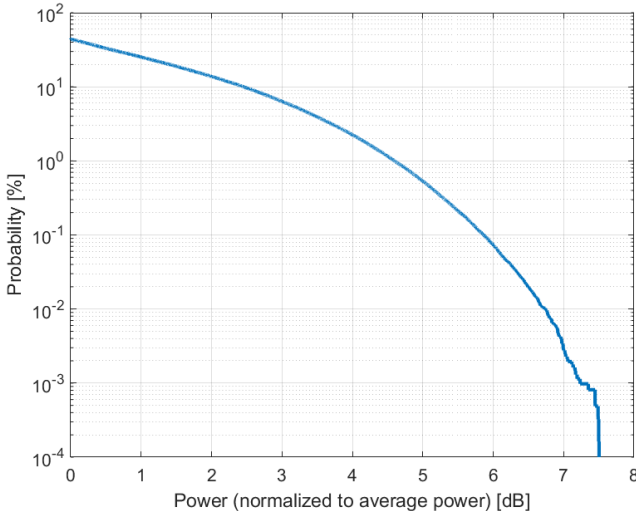
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n25 (1850 - 1915 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

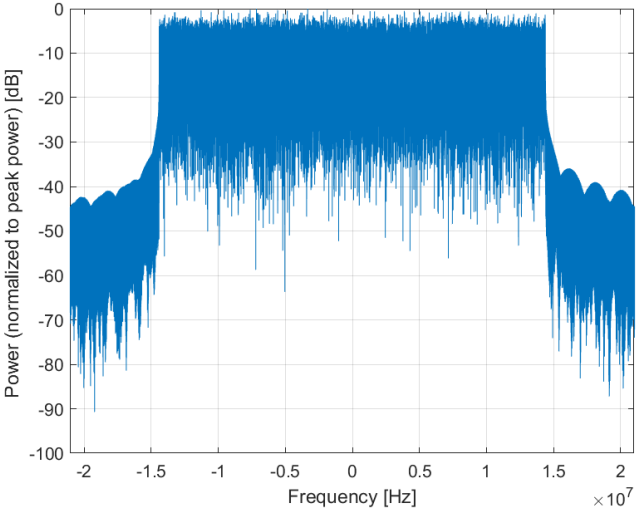
Bandwidth: 30.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

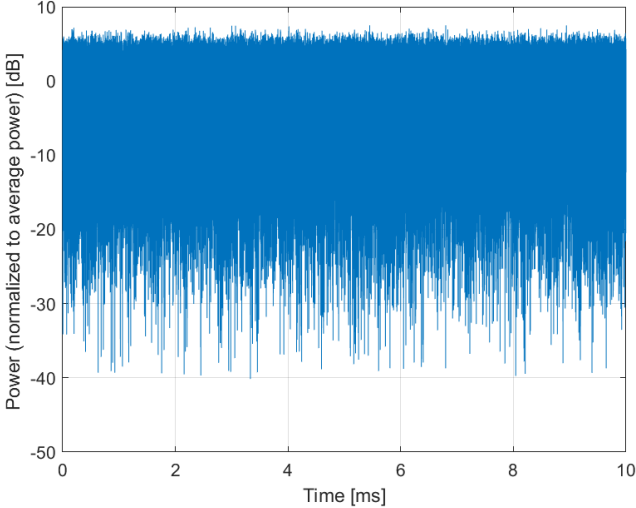
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10950-AAA

PAR: ¹ **5.94 dB**
MIF: ² **-18.50 dB**

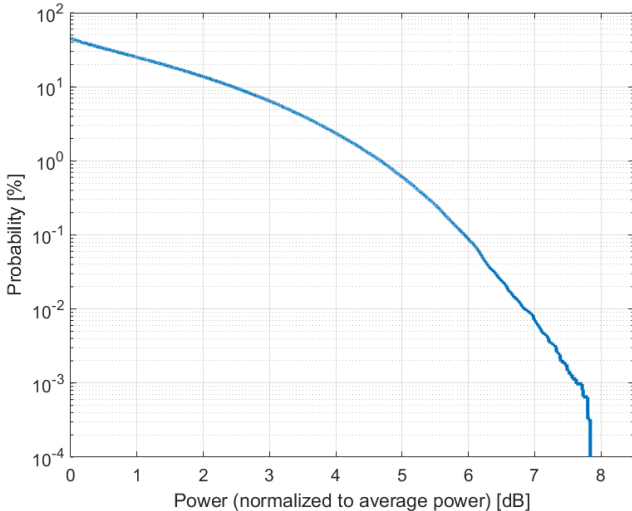
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Band n25 (1850 - 1915 MHz)
Band n71 (1710 - 1780 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

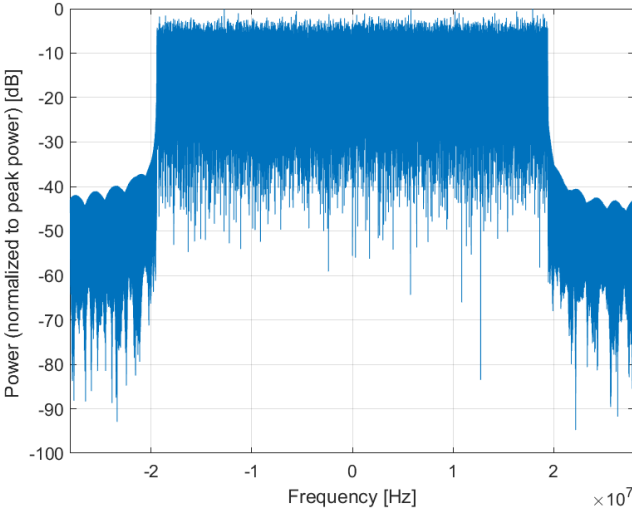
Bandwidth: 40.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

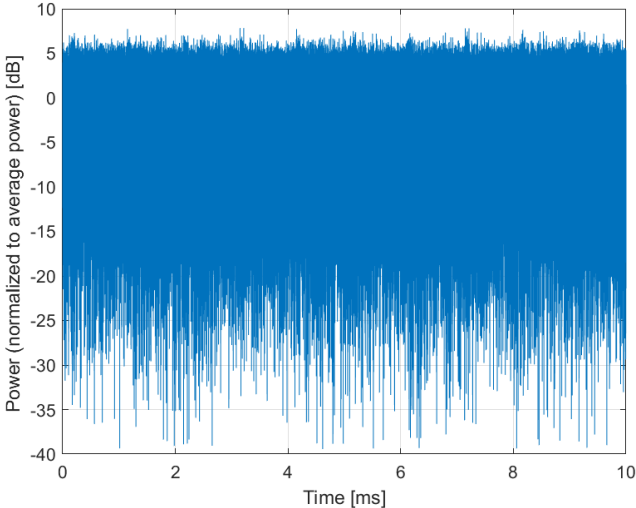
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10951-AAA

PAR: ¹ **5.92 dB**
MIF: ² **-18.56 dB**

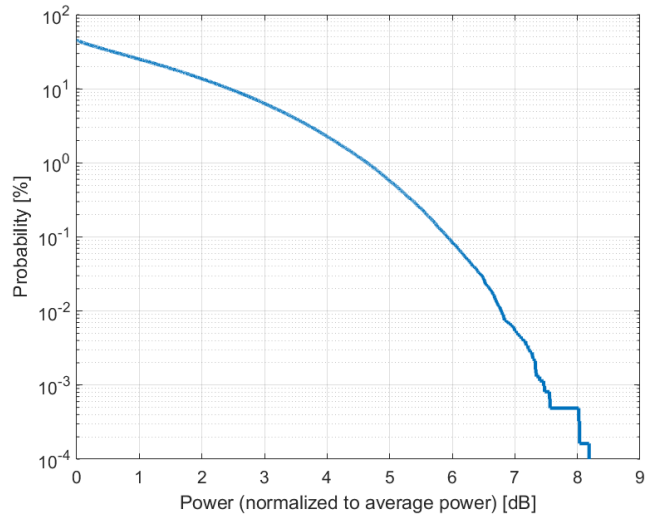
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM
Modulation Scheme: QPSK
Subcarrier Spacing: 15 kHz
Number RBs: 1
Data Type: PN9

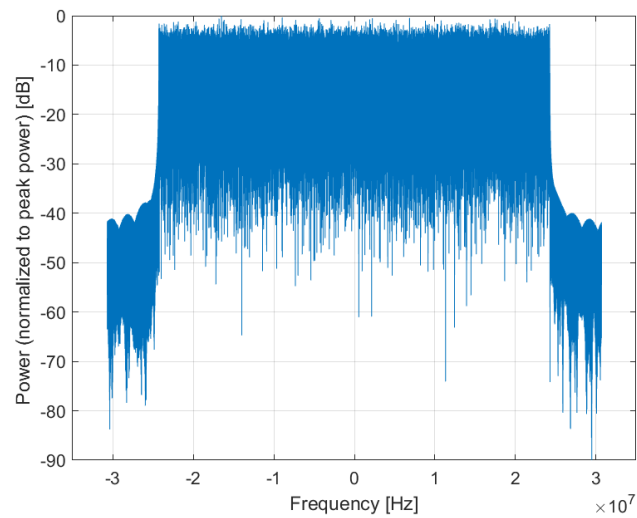
Bandwidth: 50.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

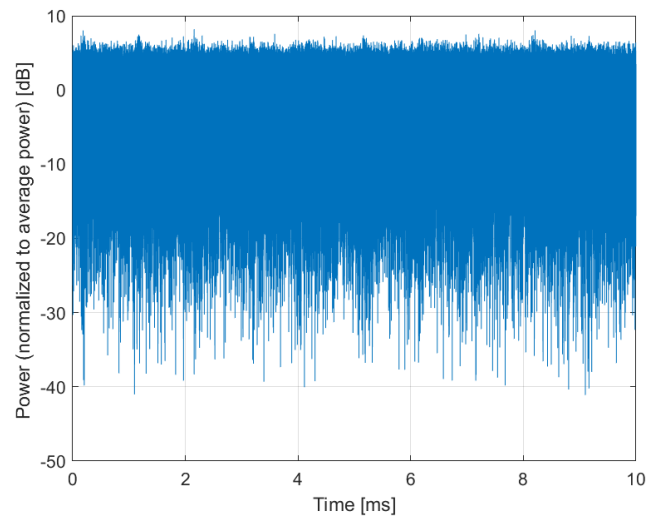
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10952-AAA

PAR: ¹ **8.25 dB**
MIF: ² **-16.10 dB**

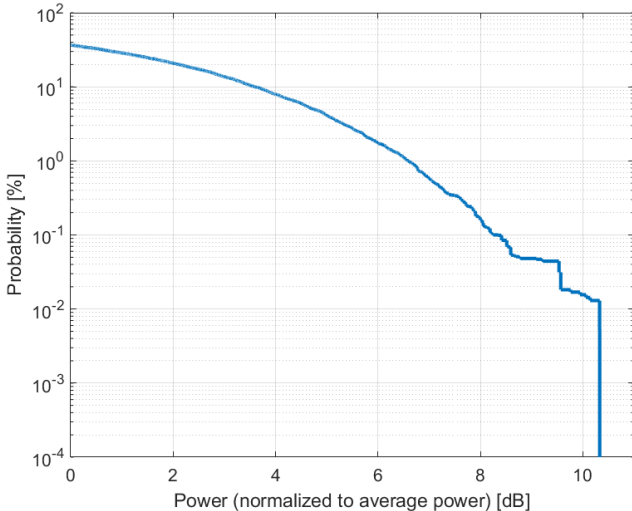
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: 64-QAM
Frequency Band: Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: CP-OFDM
Modulation Scheme: 64-QAM
Subcarrier Spacing: 15 kHz
Model: TM 3.1
Data Type: PN9

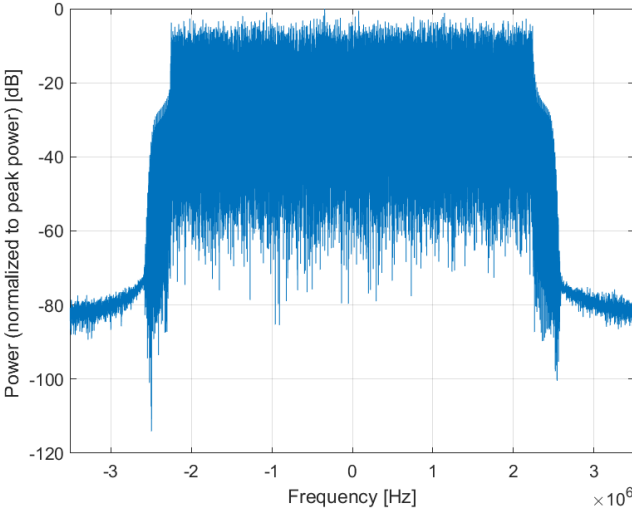
Bandwidth: 5.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

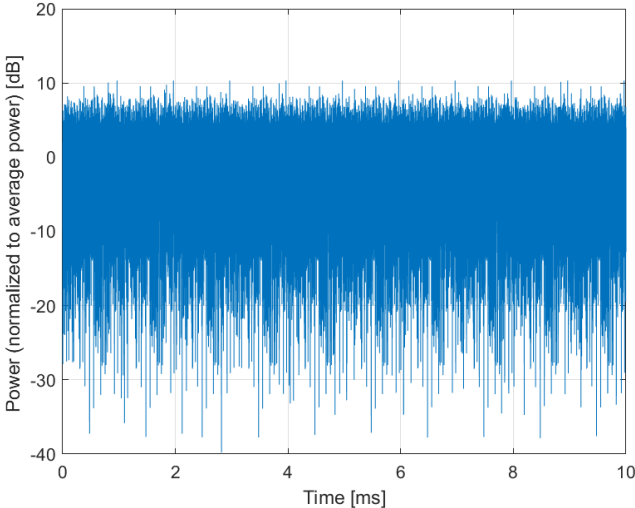
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10953-AAA

PAR: ¹ **8.15 dB**
MIF: ² **-18.27 dB**

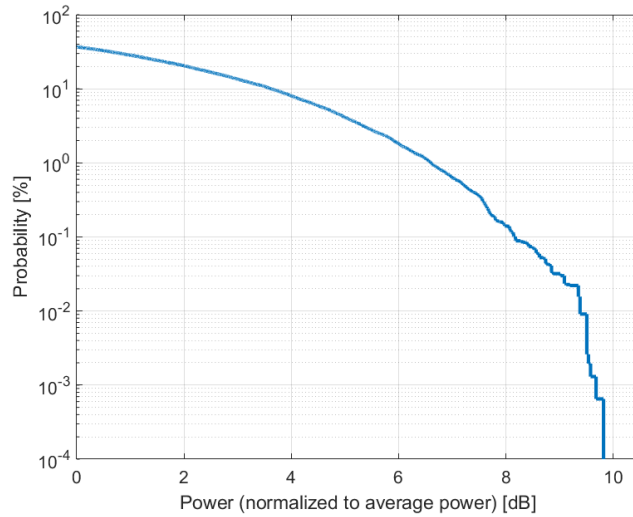
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: 64-QAM
Frequency Band: Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: CP-OFDM
Modulation Scheme: 64-QAM
Subcarrier Spacing: 15 kHz
Model: TM 3.1
Data Type: PN9

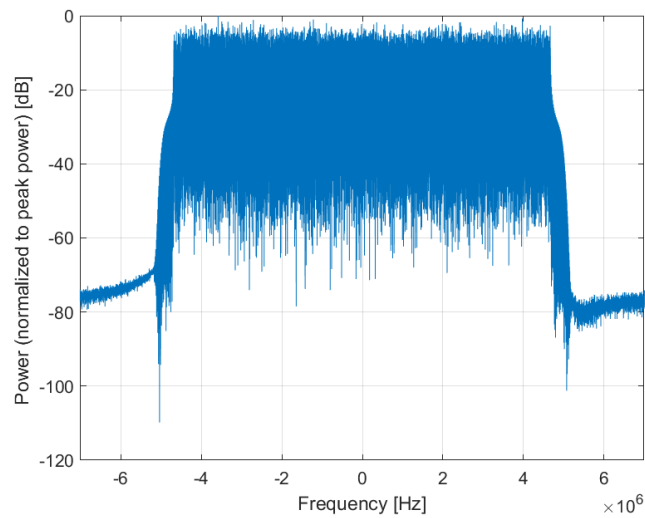
Bandwidth: 10.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

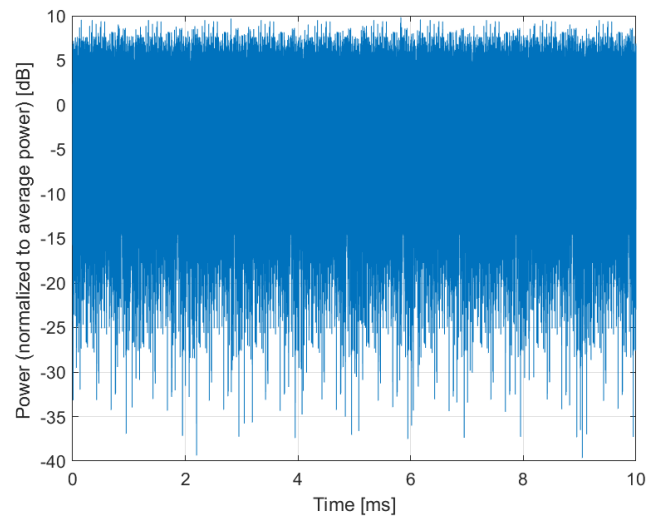
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10954-AAA

PAR: ¹ **8.23 dB**
MIF: ² **-20.40 dB**

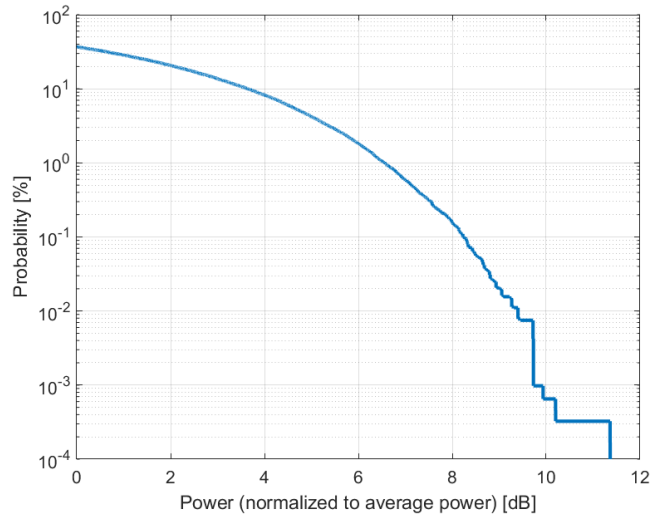
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: 64-QAM
Frequency Band: Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: CP-OFDM
Modulation Scheme: 64-QAM
Subcarrier Spacing: 15 kHz
Model: TM 3.1
Data Type: PN9

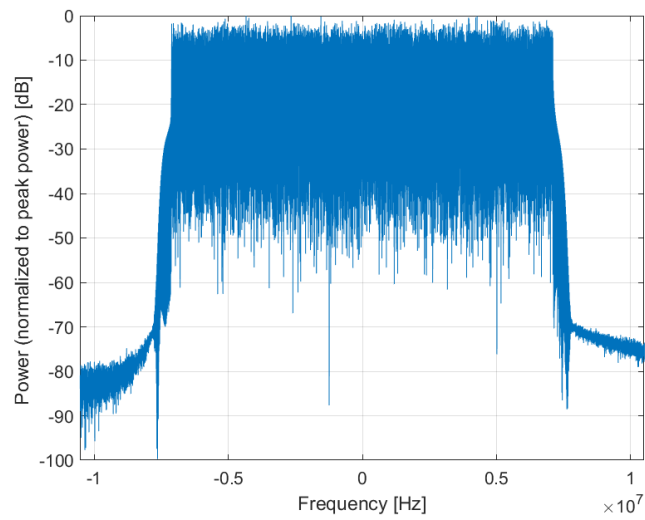
Bandwidth: 15.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

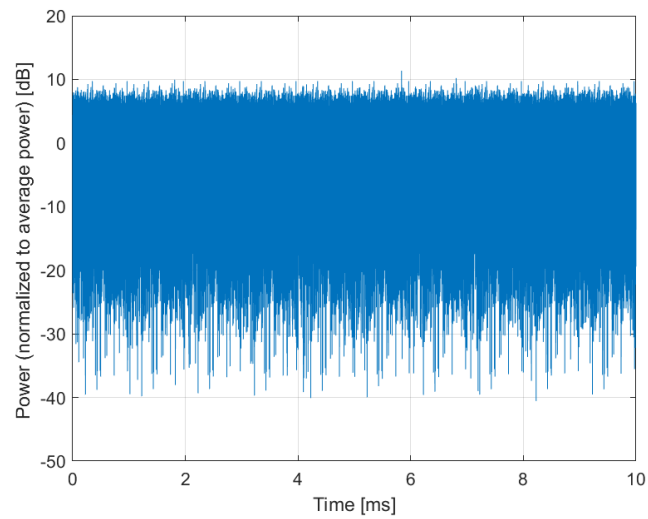
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)**

Group: 5G NR FR1 FDD
UID: 10955-AAA

PAR: ¹ **8.42 dB**
MIF: ² **-22.55 dB**

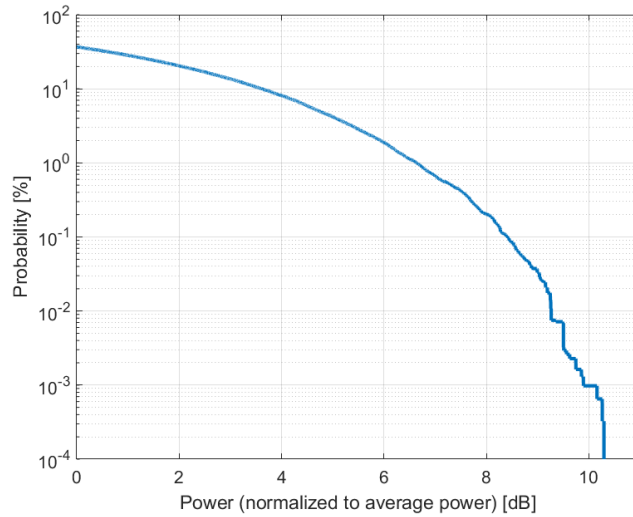
Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: 64-QAM
Frequency Band: Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: CP-OFDM
Modulation Scheme: 64-QAM
Subcarrier Spacing: 15 kHz
Model: TM 3.1
Data Type: PN9

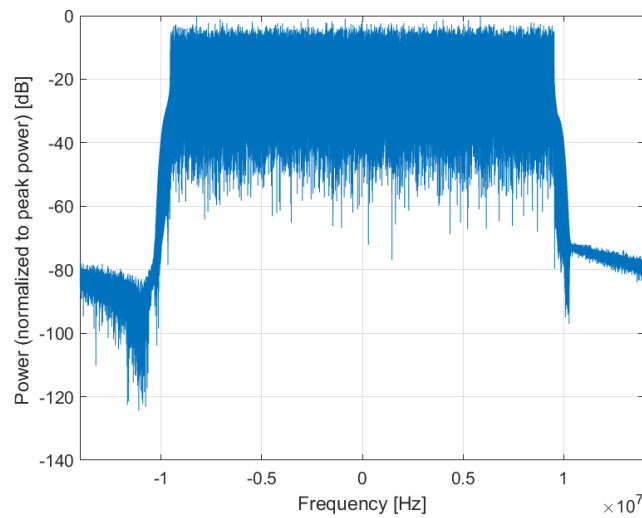
Bandwidth: 20.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

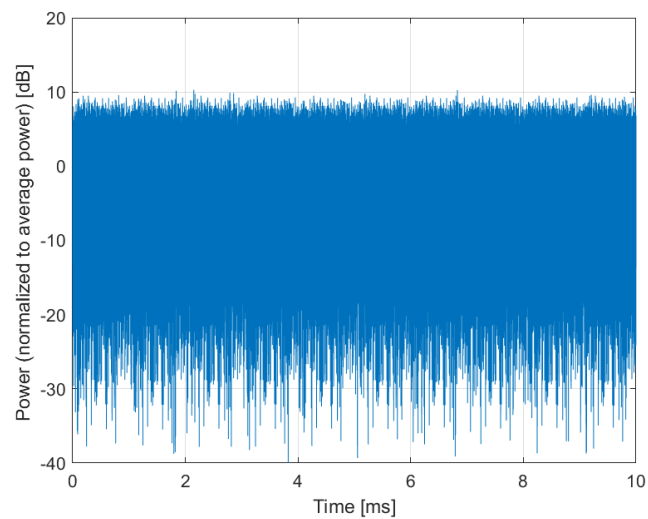
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)**

Group: 5G NR FR1 FDD
UID: 10956-AAA

PAR: ¹ **8.14 dB**
MIF: ² **-16.37 dB**

Standard Reference: SPEAG
Category: Random amplitude modulation
Modulation: 64-QAM
Frequency Band: Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: CP-OFDM
Modulation Scheme: 64-QAM
Subcarrier Spacing: 30 kHz
Model: TM 3.1
Data Type: PN9

Bandwidth: 5.0 MHz
Integration Time: 10.0 ms

¹ PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).