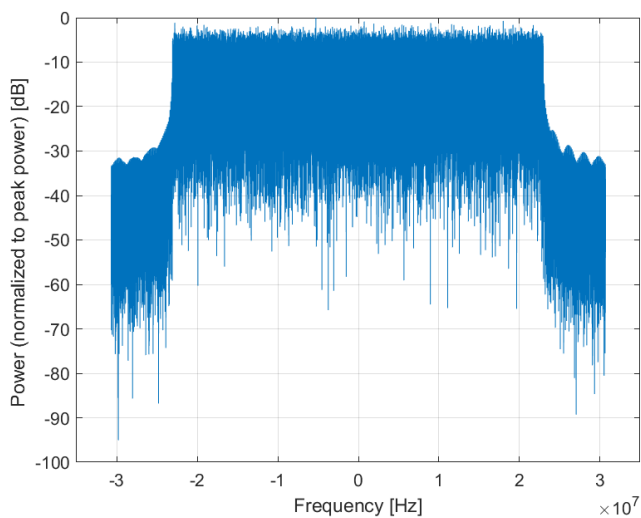
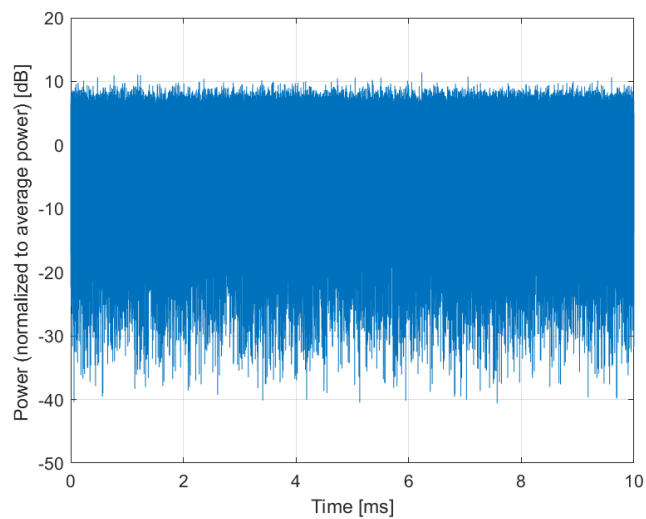


**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**



**Time Domain**

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

Name: **5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)**

Group: 5G NR FR2 TDD  
UID: 10889-AAD

PAR: <sup>1</sup> **8.02 dB**  
MIF: <sup>2</sup> **-16.37 dB**

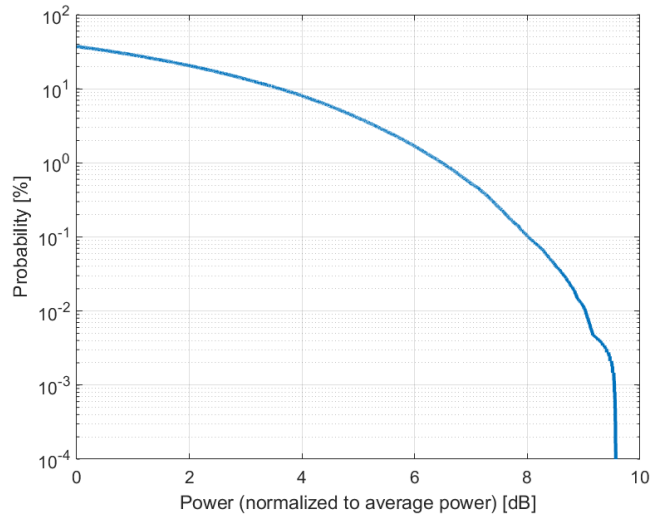
Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: 16QAM  
Frequency Band: Band n257 (26500 - 29500 MHz)  
Band n258 (24200 - 27500 MHz)  
Band n260 (37000 - 40000 MHz)  
Band n261 (27500 - 28350 MHz)  
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: 16QAM  
Subcarrier Spacing: 120 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

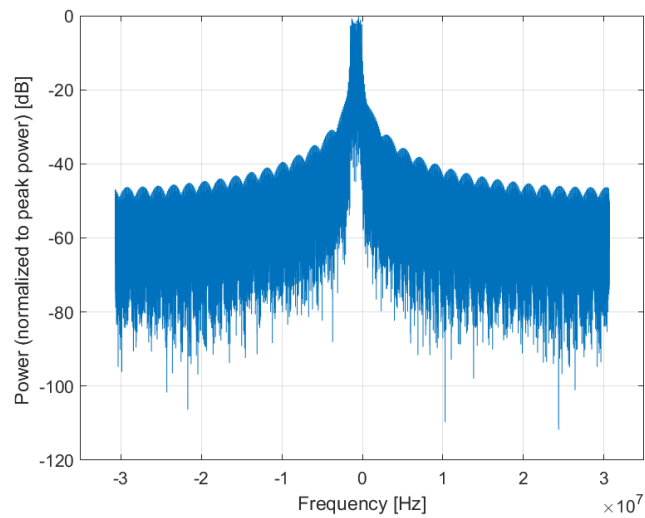
Bandwidth: 50.0 MHz  
Integration Time: 10.0 ms

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

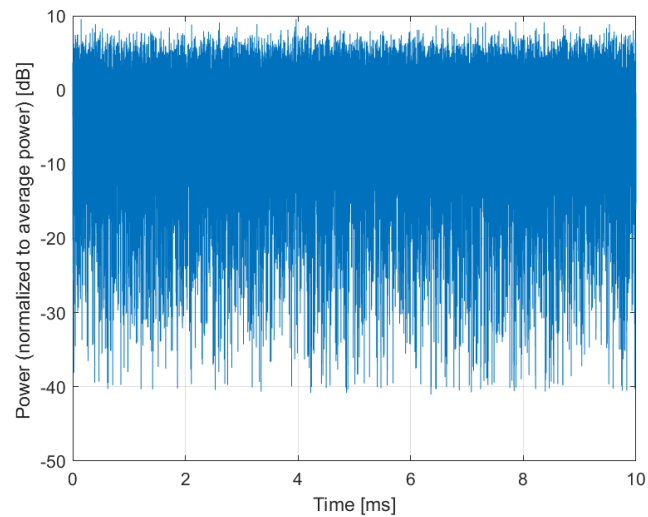
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**



**Time Domain**

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

Name: **5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)**

Group: 5G NR FR2 TDD  
UID: 10890-AAD

PAR: <sup>1</sup> **8.40 dB**  
MIF: <sup>2</sup> **-23.93 dB**

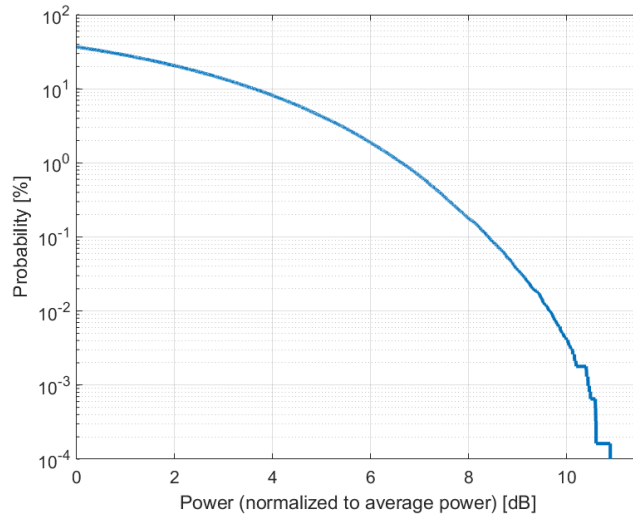
Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: 16QAM  
Frequency Band: Band n257 (26500 - 29500 MHz)  
Band n258 (24200 - 27500 MHz)  
Band n260 (37000 - 40000 MHz)  
Band n261 (27500 - 28350 MHz)  
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: 16QAM  
Subcarrier Spacing: 120 kHz  
Number RBs: 32  
Slot Format Index: 1  
Data Type: PN9

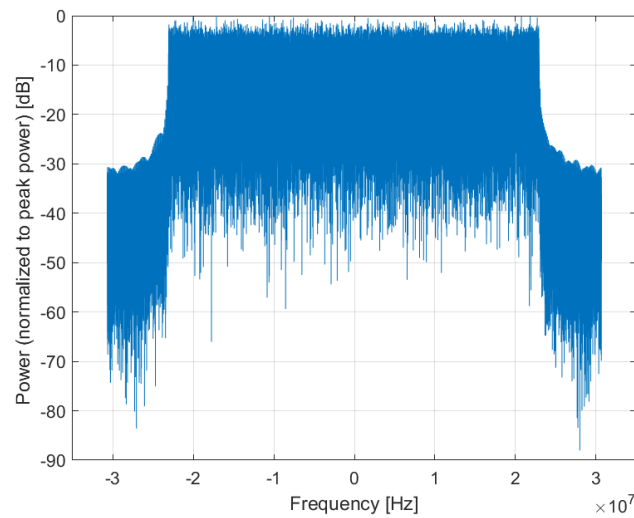
Bandwidth: 50.0 MHz  
Integration Time: 10.0 ms

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

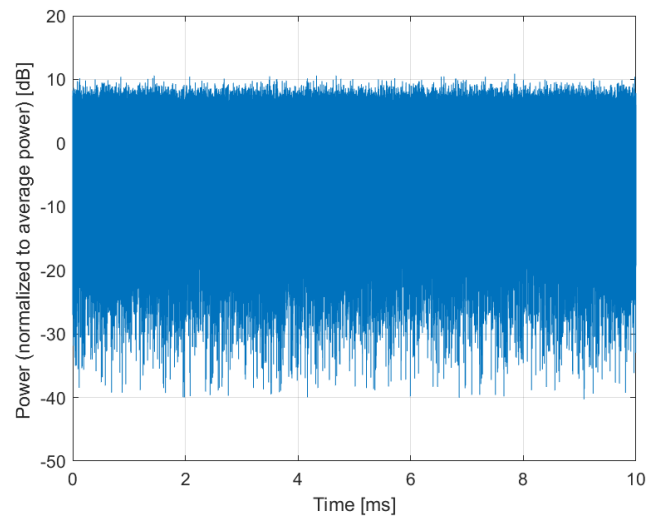
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**



**Time Domain**

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

Name: **5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)**

Group: 5G NR FR2 TDD  
UID: 10891-AAD

PAR: <sup>1</sup> **8.13 dB**  
MIF: <sup>2</sup> **-17.02 dB**

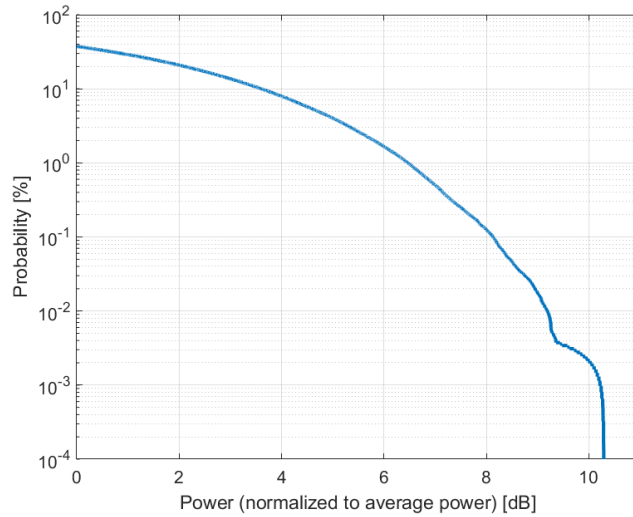
Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: 64QAM  
Frequency Band: Band n257 (26500 - 29500 MHz)  
Band n258 (24200 - 27500 MHz)  
Band n260 (37000 - 40000 MHz)  
Band n261 (27500 - 28350 MHz)  
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: 64QAM  
Subcarrier Spacing: 120 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

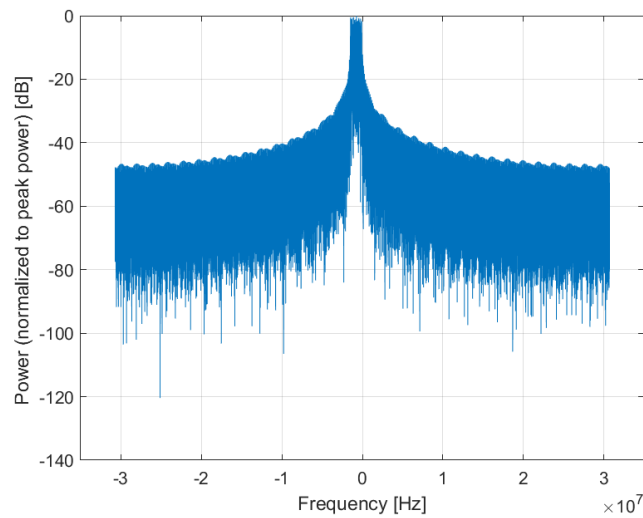
Bandwidth: 50.0 MHz  
Integration Time: 10.0 ms

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

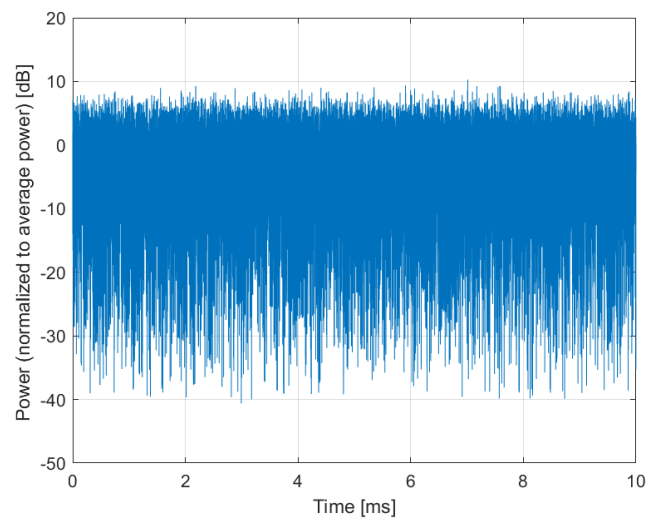
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**



**Time Domain**

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

Name: **5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)**

Group: 5G NR FR2 TDD  
UID: 10892-AAD

PAR: <sup>1</sup> **8.41 dB**  
MIF: <sup>2</sup> **-23.75 dB**

Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: 64QAM  
Frequency Band: Band n257 (26500 - 29500 MHz)  
Band n258 (24200 - 27500 MHz)  
Band n260 (37000 - 40000 MHz)  
Band n261 (27500 - 28350 MHz)  
Validation band (0.0 - 6000.0 MHz)

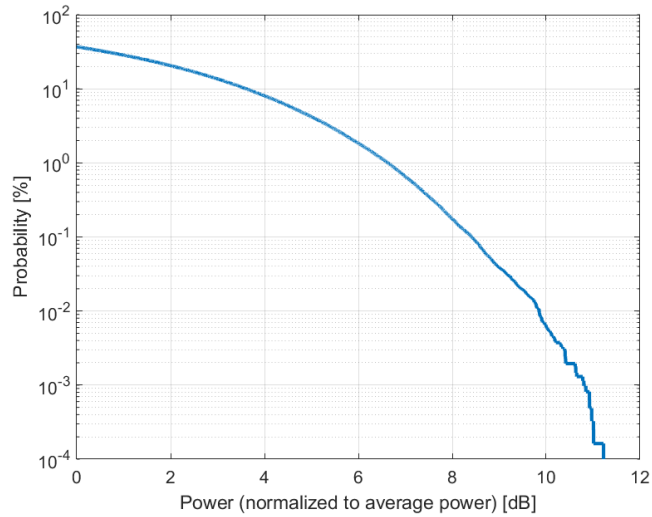
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: 64QAM  
Subcarrier Spacing: 120 kHz  
Number RBs: 32  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 50.0 MHz  
Integration Time: 10.0 ms

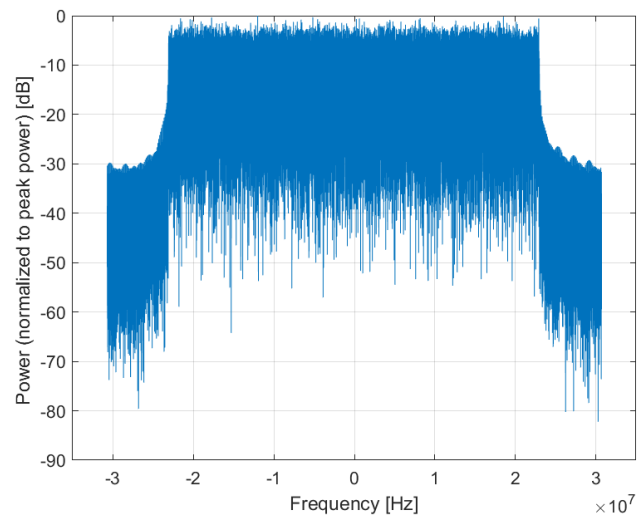
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

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

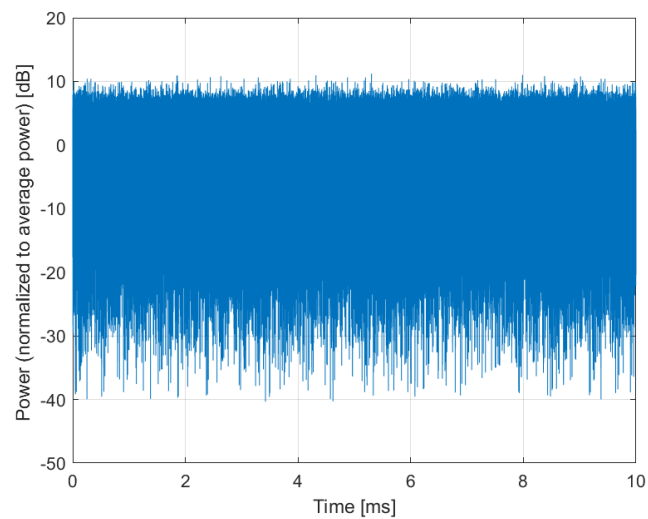




**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**



**Time Domain**

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

Name: **MITS (3pi Sinc, 400ms, 3ms)**

Group: MRI  
UID: 10893-AAB

PAR: <sup>1</sup> **26.73 dB**  
MIF: <sup>2</sup> **19.99 dB**

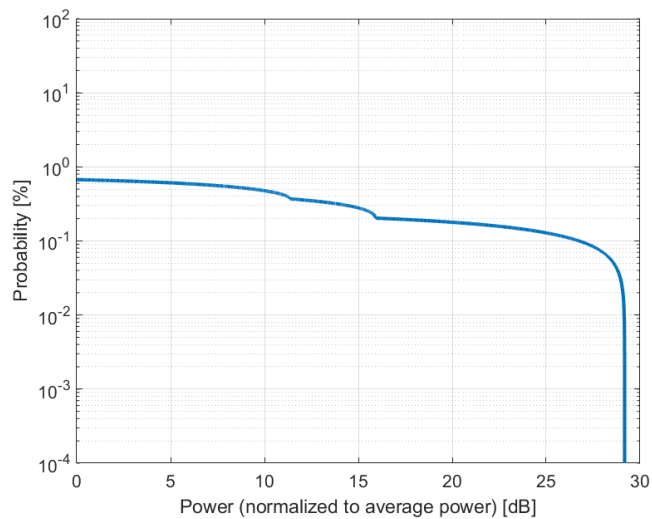
Standard Reference: SPEAG  
Category: Periodic pulsed modulation  
Modulation: AM  
Frequency Band: MRI 1.5T (59.0 - 69.0 MHz)  
MRI 3T (123.0 - 133.0 MHz)  
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Calibration Sequence for Medical Implant Test System (MITS)  
Pulse Shape: Sinc +/- 3 Pi  
Repetition Rate: 2.5 Hz  
Duty Cycle: 0.75%

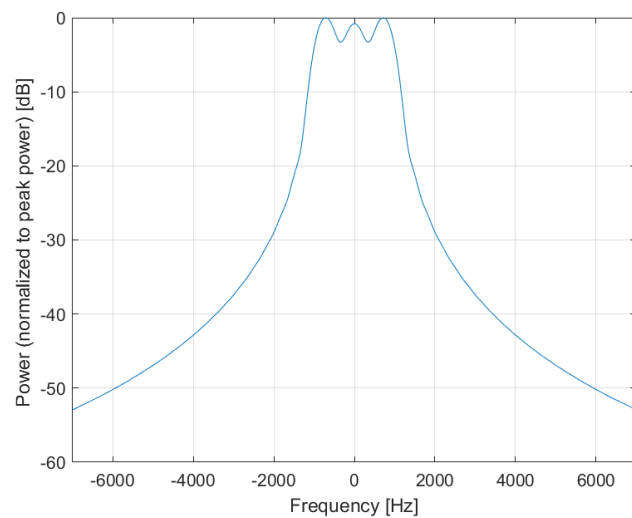
Bandwidth: 0.0 MHz  
Integration Time: 400.0 ms

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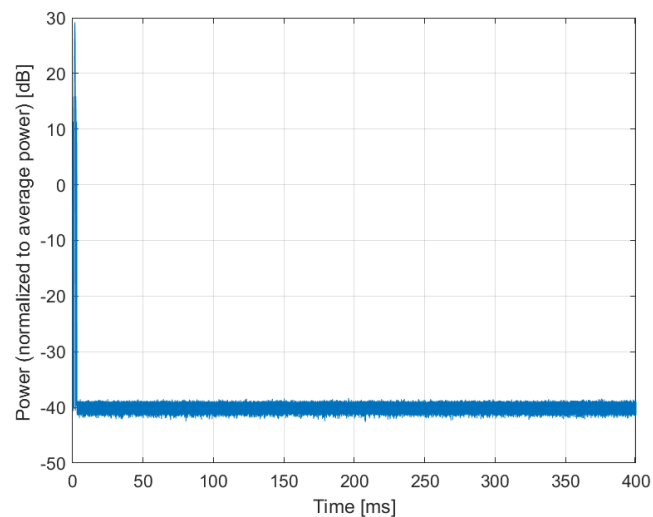
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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: **MITS (6pi Sinc, 3.69ms, 0.8ms)**

Group: MRI  
UID: 10894-AAA

PAR: <sup>1</sup> **17.50 dB**  
MIF: <sup>2</sup> **6.16 dB**

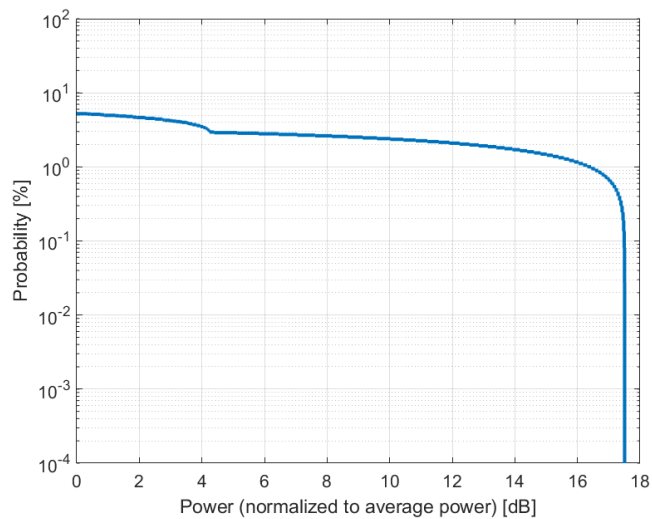
Standard Reference: SPEAG  
Category: Periodic pulsed modulation  
Modulation: AM  
Frequency Band: MRI 1.5T (59.0 - 69.0 MHz)  
MRI 3T (123.0 - 133.0 MHz)  
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Calibration Sequence for Medical Implant Test System (MITS)  
Pulse Shape: Sinc +/- 6 Pi  
Repetition Rate: 271 Hz  
Duty Cycle: 21.7%

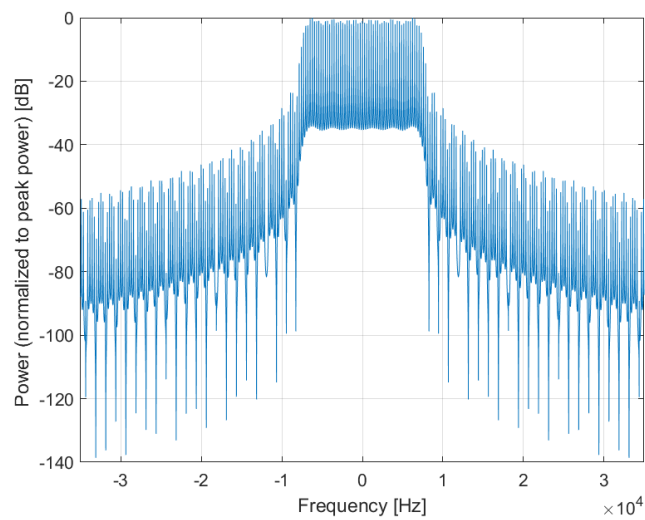
Bandwidth: 0.1 MHz  
Integration Time: 3.7 ms

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

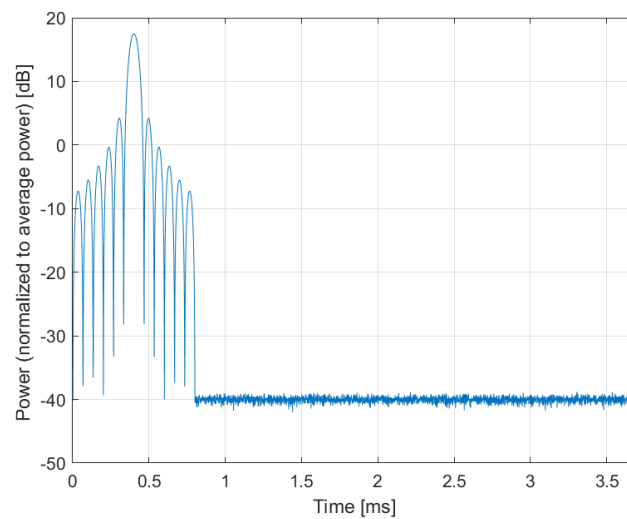
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



### Complementary Cumulative Distribution Function (CCDF)



### Frequency Domain



### Time Domain

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

Name: **MITS (3pi Sinc, 100ms, 2ms)**

Group: MRI  
UID: 10895-AAA

PAR: <sup>1</sup> **24.58 dB**  
MIF: <sup>2</sup> **16.38 dB**

Standard Reference: SPEAG  
Category: Periodic pulsed modulation  
Modulation: AM  
Frequency Band: MRI 1.5T (59.0 - 69.0 MHz)  
MRI 3T (123.0 - 133.0 MHz)  
Validation band (0.0 - 6000.0 MHz)

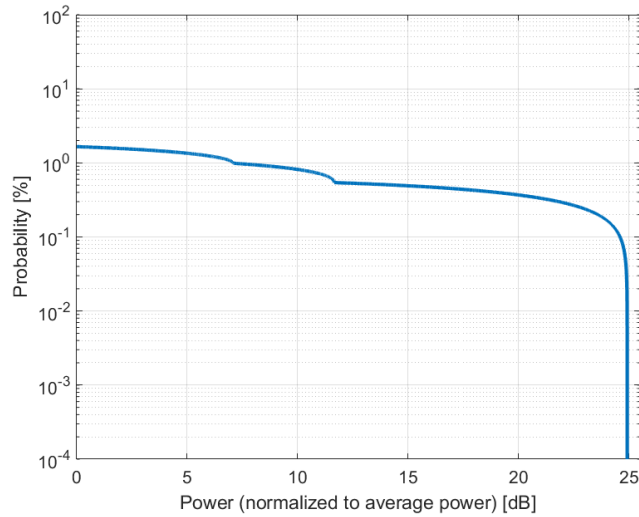
Detailed Specification: Calibration Sequence for Medical Implant Test System (MITS)  
Pulse Shape: Sinc +/- 3 Pi  
Repetition Rate: 10 Hz  
Duty Cycle: 2%

Bandwidth: 0.0 MHz  
Integration Time: 100.0 ms

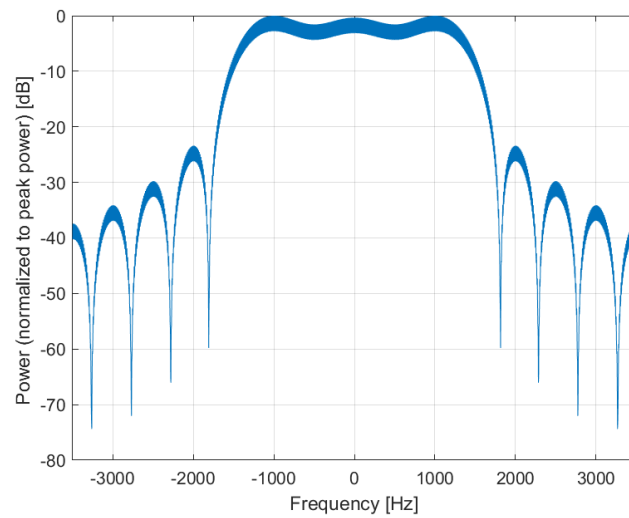
---

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

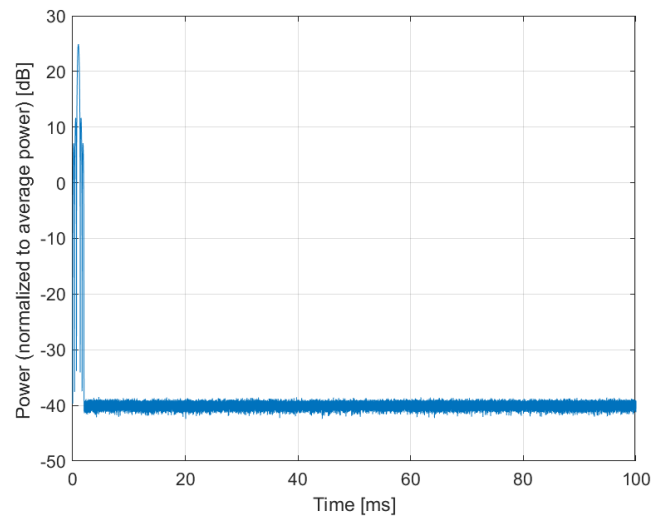
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**



**Time Domain**

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

Name: **MRI (Square, 2ms, 0.8ms)**

Group: MRI  
UID: 10896-AAA

PAR: <sup>1</sup> **3.98 dB**  
MIF: <sup>2</sup> **-0.27 dB**

Standard Reference: SPEAG  
Category: Periodic pulsed modulation  
Modulation: AM  
Frequency Band: MRI 1.5T (59.0 - 69.0 MHz)  
MRI 3T (123.0 - 133.0 MHz)  
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Custom Calibration Sequence  
Pulse Shape: Rectangular  
Repetition Rate: 500 Hz  
Duty Cycle: 40%

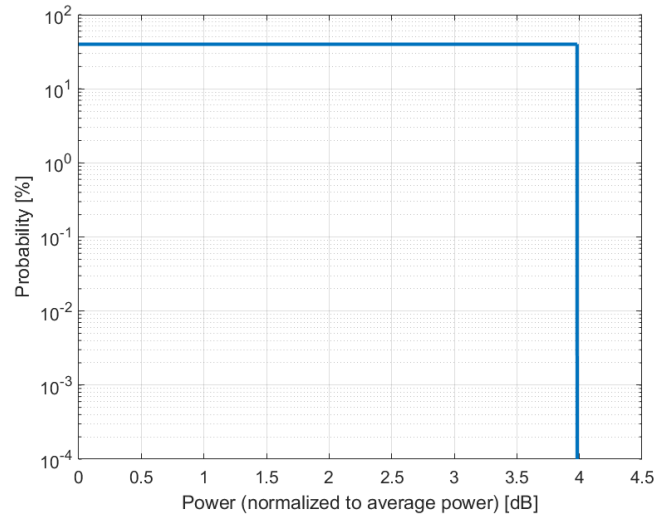
Bandwidth: 0.0 MHz  
Integration Time: 2.0 ms

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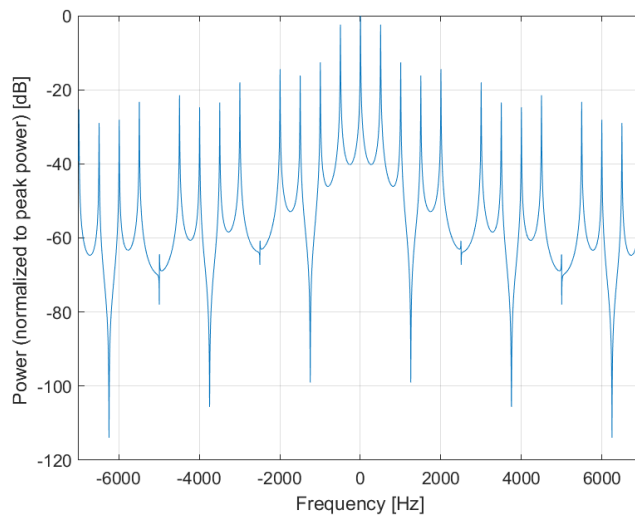
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

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

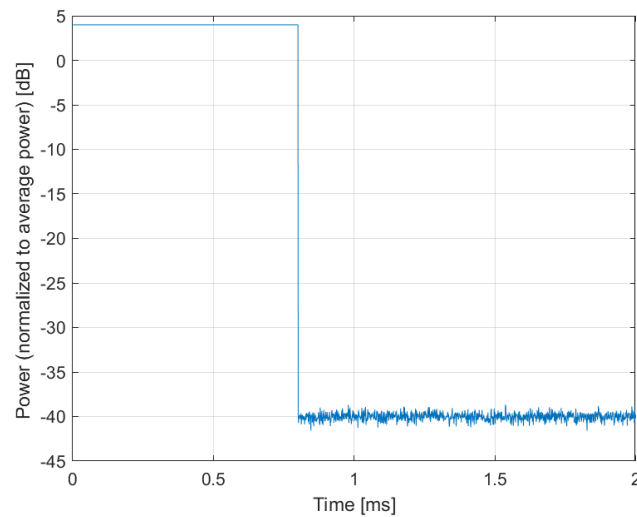




**Complementary Cumulative Distribution Function (CCDF)**



**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, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10897-AAA

PAR: <sup>1</sup> **5.66 dB**  
MIF: <sup>2</sup> **-16.67 dB**

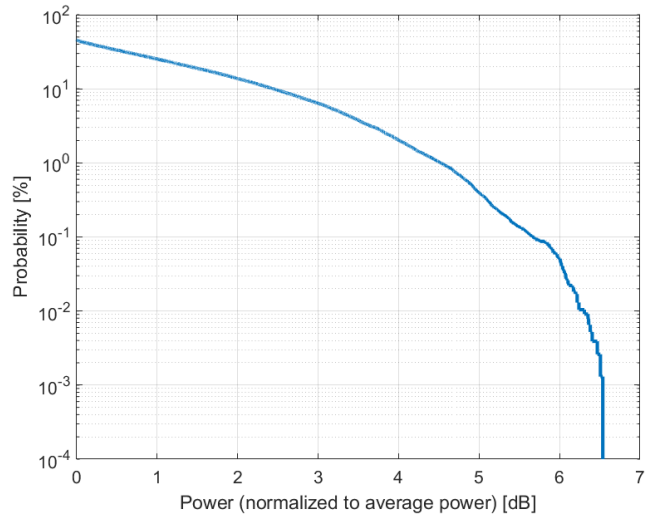
Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n34 (2010 - 2025 MHz)  
Band n38 (2570 - 2620 MHz)  
Band n39 (1880 - 1920 MHz)  
Band n40 (2300 - 2400 MHz)  
Band n41 (2496 - 2690 MHz)  
Band n48 (3550 - 3700 MHz)  
Band n50 (1432 - 1517 MHz)  
Band n51 (1427 - 1432 MHz)  
Validation band (0.0 - 6000.0 MHz)

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

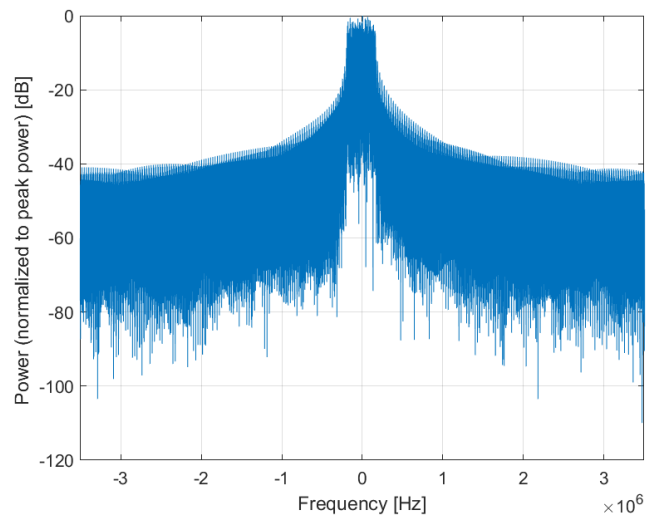
Bandwidth: 5.0 MHz  
Integration Time: 10.0 ms

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

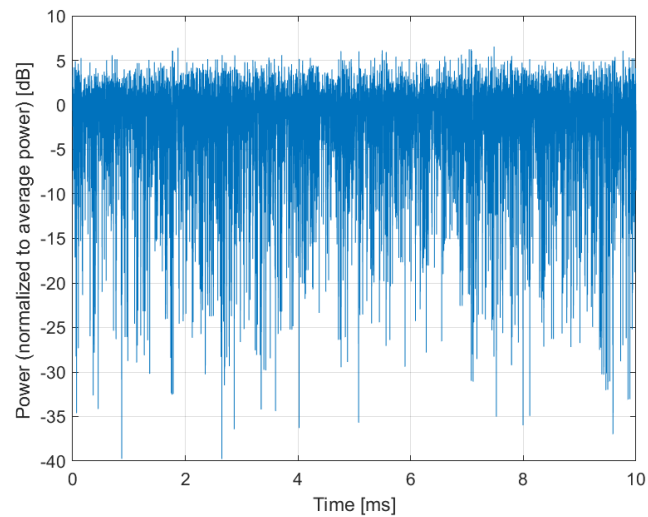
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**



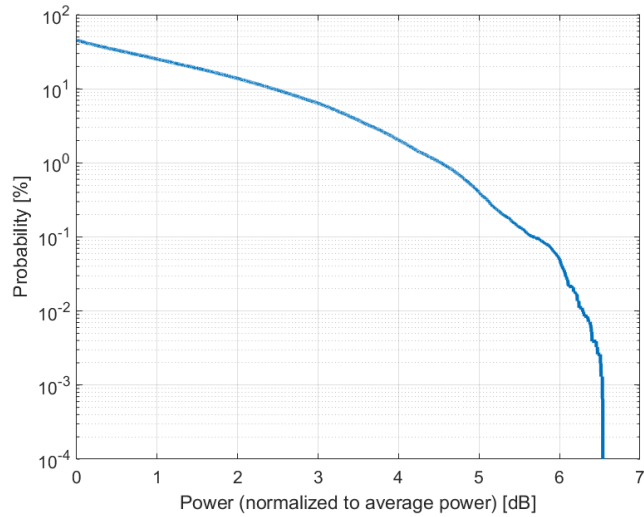
**Time Domain**

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

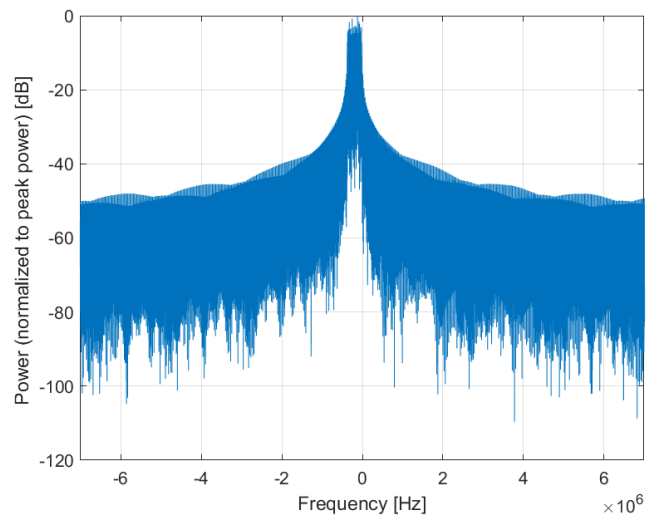
Name:	<b>5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)</b>
Group:	5G NR FR1 TDD
UID:	10898-AAA
PAR: <sup>1</sup>	<b>5.67 dB</b>
MIF: <sup>2</sup>	<b>-16.68 dB</b>
Standard Reference:	SPEAG
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band n34 (2010 - 2025 MHz) Band n38 (2570 - 2620 MHz) 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: 1 Slot Format Index: 1 Data Type: PN9
Bandwidth:	10.0 MHz
Integration Time:	10.0 ms

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

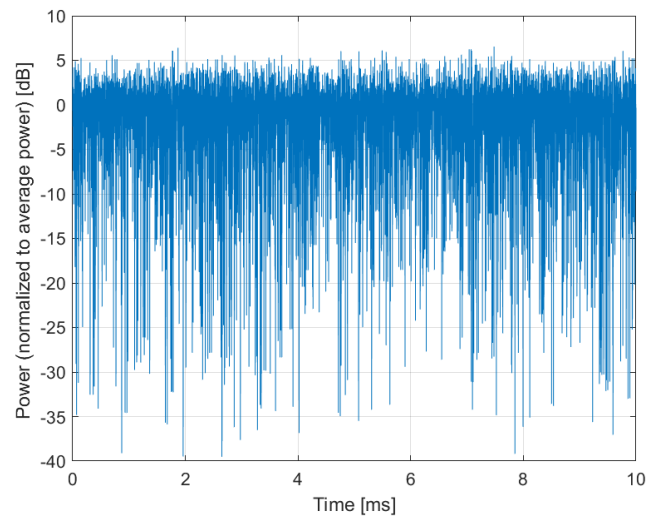
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**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, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10899-AAA

PAR: <sup>1</sup> **5.67 dB**  
MIF: <sup>2</sup> **-16.68 dB**

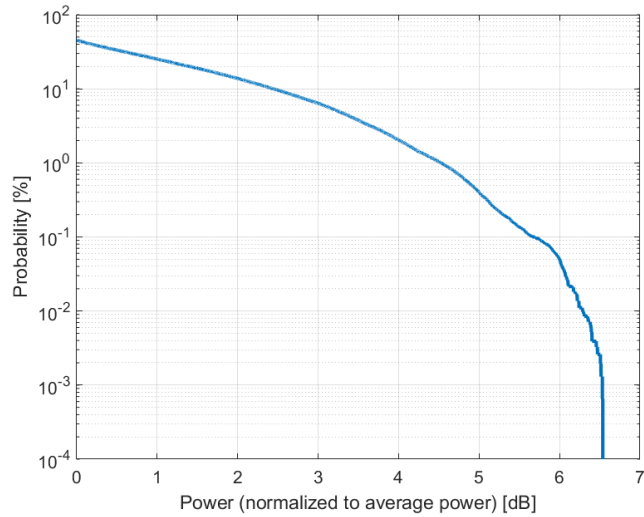
Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n34 (2010 - 2025 MHz)  
Band n38 (2570 - 2620 MHz)  
Band n39 (1880 - 1920 MHz)  
Band n40 (2300 - 2400 MHz)  
Band n41 (2496 - 2690 MHz)  
Band n48 (3550 - 3700 MHz)  
Band n50 (1432 - 1517 MHz)  
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: 1  
Slot Format Index: 1  
Data Type: PN9

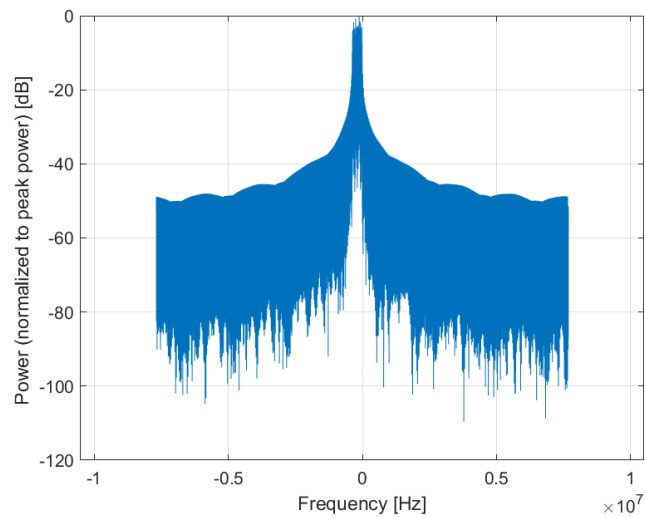
Bandwidth: 15.0 MHz  
Integration Time: 10.0 ms

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

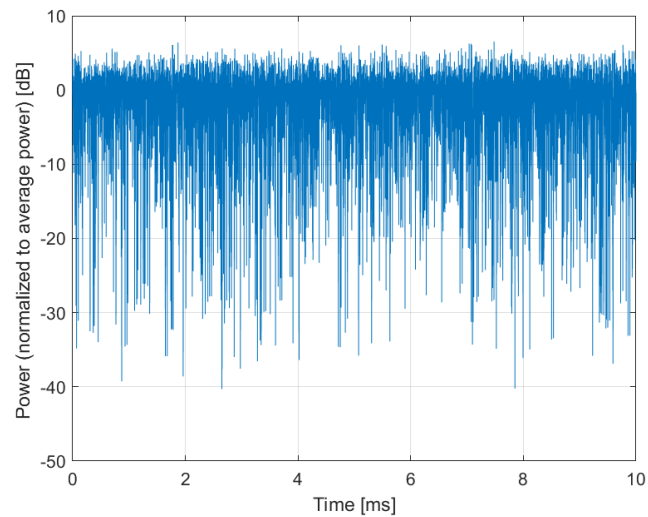
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**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, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10900-AAA

PAR: <sup>1</sup> **5.68 dB**  
MIF: <sup>2</sup> **-16.68 dB**

Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n38 (2570 - 2620 MHz)  
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)

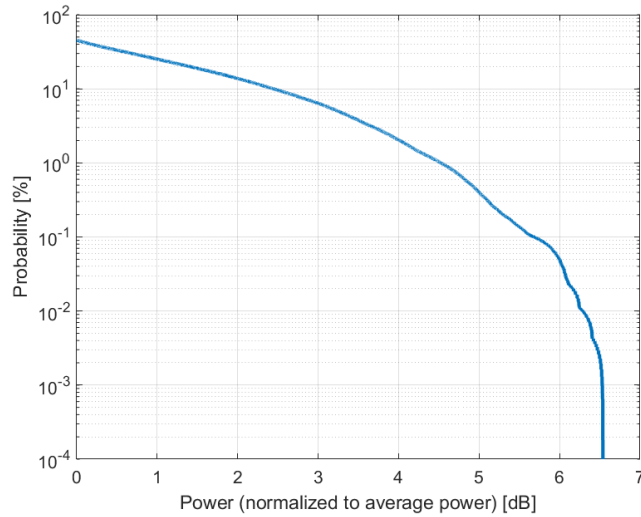
Detailed Specification: Multiplexing Scheme: DFT-s-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 20.0 MHz  
Integration Time: 10.0 ms

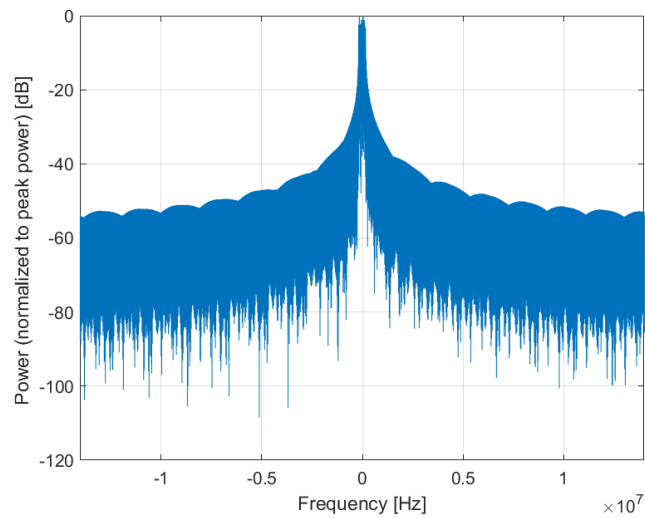
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

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

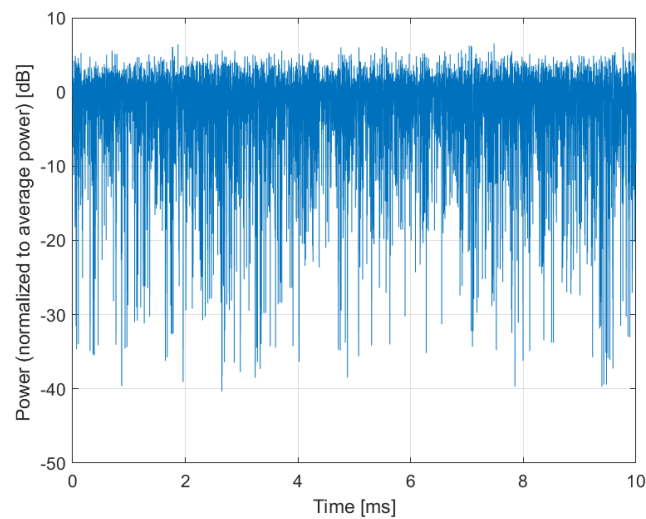




**Complementary Cumulative Distribution Function (CCDF)**



**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, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10901-AAA

PAR: <sup>1</sup> **5.68 dB**  
MIF: <sup>2</sup> **-16.68 dB**

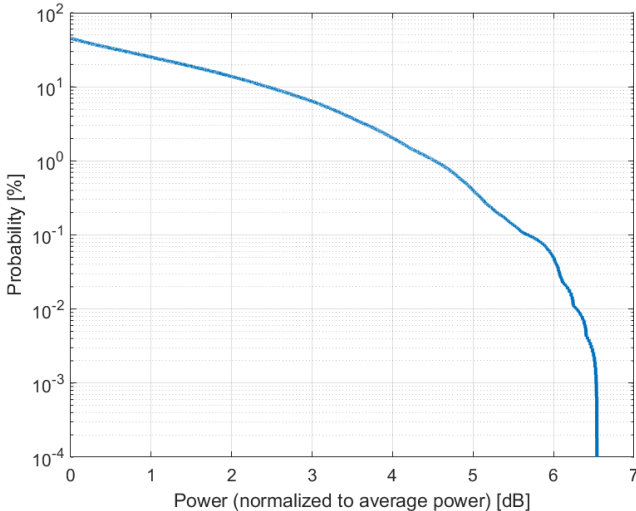
Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n39 (1880 - 1920 MHz)  
Band n40 (2300 - 2400 MHz)  
Validation band (0.0 - 6000.0 MHz)

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

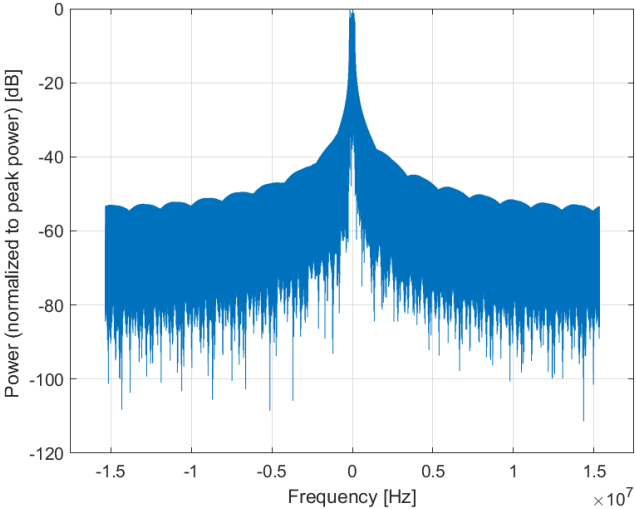
Bandwidth: 25.0 MHz  
Integration Time: 10.0 ms

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

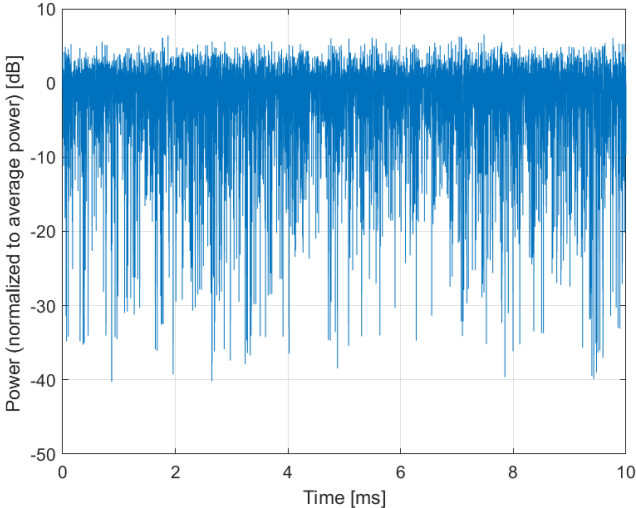
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**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, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10902-AAA

PAR: <sup>1</sup> **5.68 dB**  
MIF: <sup>2</sup> **-16.68 dB**

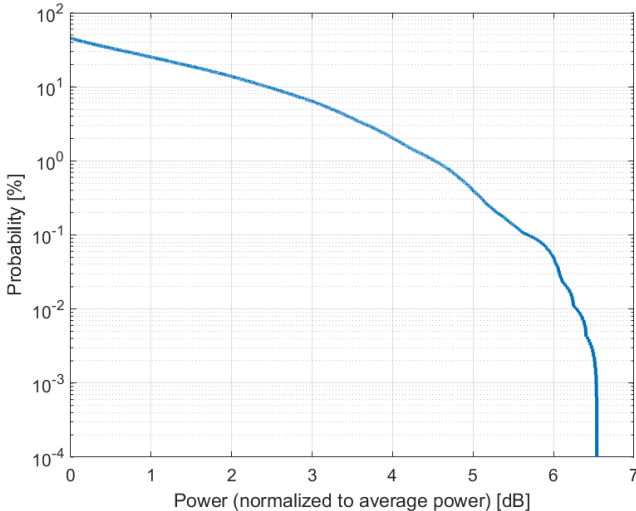
Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n39 (1880 - 1920 MHz)  
Band n40 (2300 - 2400 MHz)  
Band n41 (2496 - 2690 MHz)  
Band n48 (3550 - 3700 MHz)  
Band n50 (1432 - 1517 MHz)  
Validation band (0.0 - 6000.0 MHz)

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

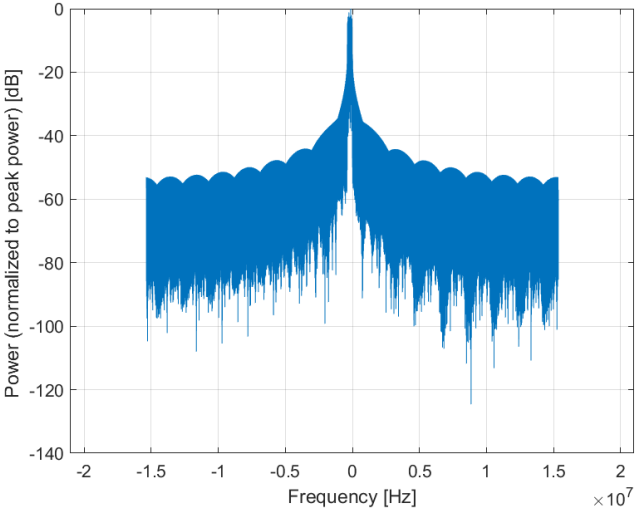
Bandwidth: 30.0 MHz  
Integration Time: 10.0 ms

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

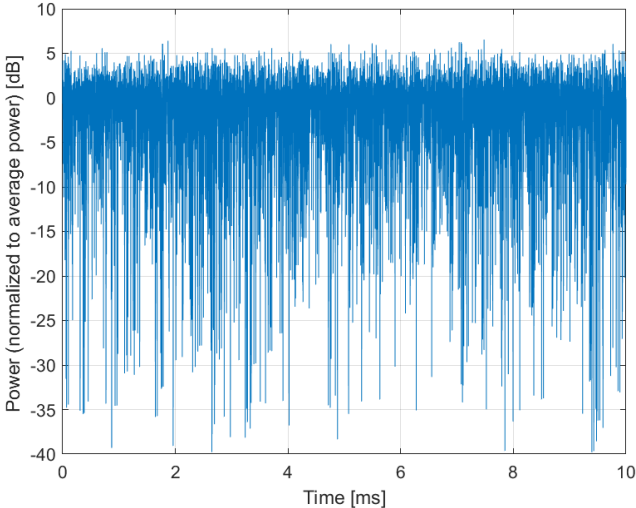
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**



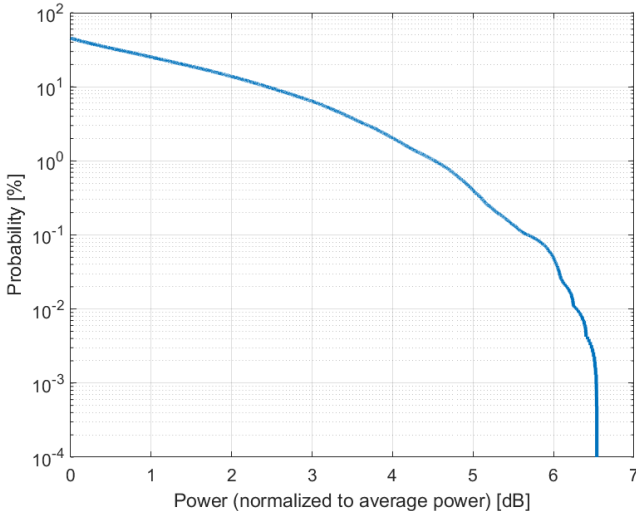
**Time Domain**

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

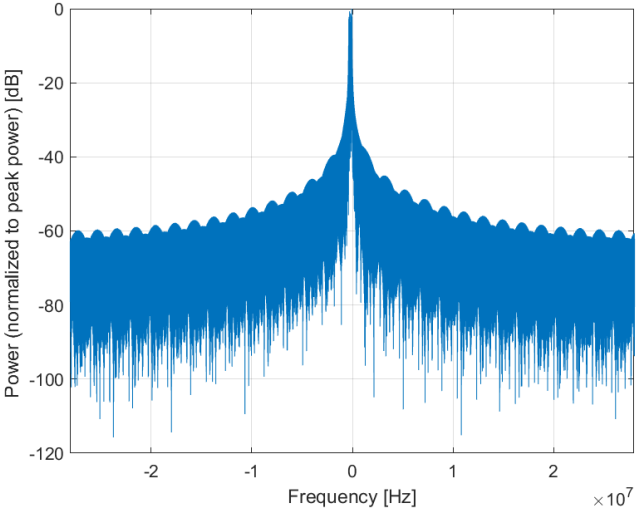
Name:	<b>5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)</b>
Group:	5G NR FR1 TDD
UID:	10903-AAA
PAR: <sup>1</sup>	<b>5.68 dB</b>
MIF: <sup>2</sup>	<b>-16.68 dB</b>
Standard Reference:	SPEAG
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band n39 (1880 - 1920 MHz) Band n40 (2300 - 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: 1 Slot Format Index: 1 Data Type: PN9
Bandwidth:	40.0 MHz
Integration Time:	10.0 ms

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

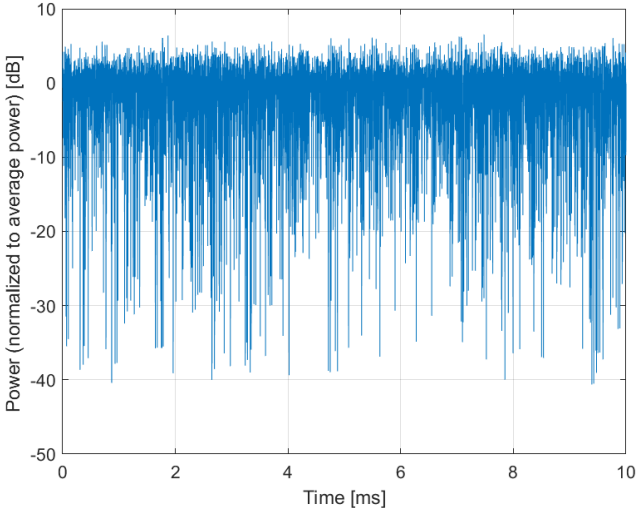
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**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, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10904-AAA

PAR: <sup>1</sup> **5.68 dB**  
MIF: <sup>2</sup> **-16.68 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)

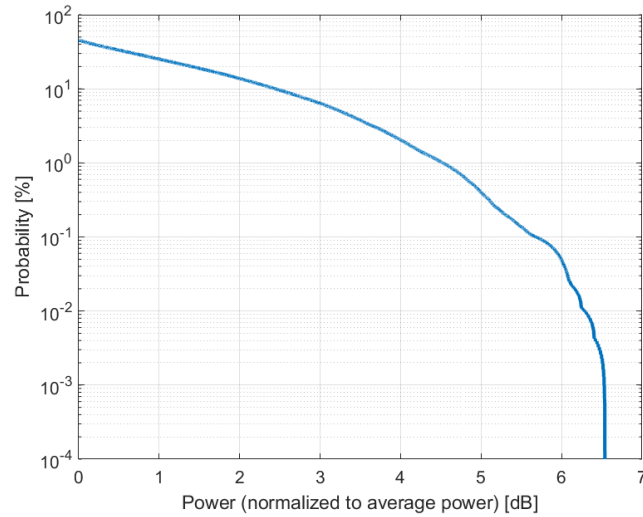
Detailed Specification: Multiplexing Scheme: DFT-s-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 50.0 MHz  
Integration Time: 10.0 ms

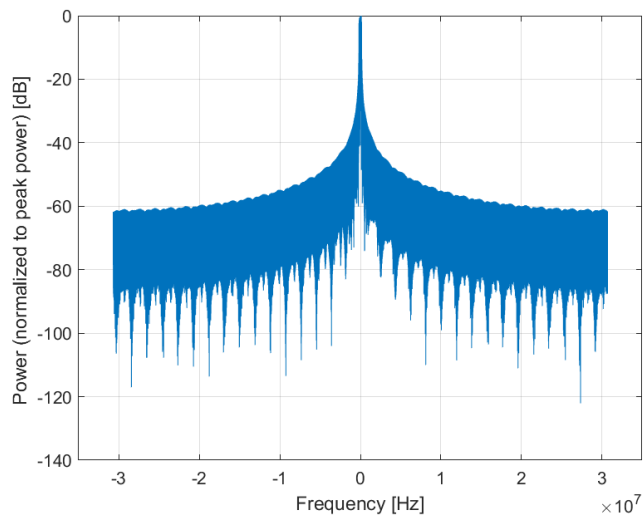
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

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

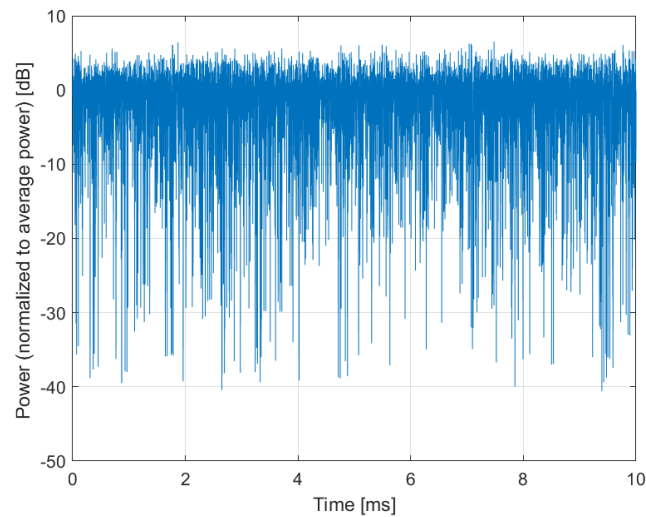




**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**



**Time Domain**

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

Name: **5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10905-AAA

PAR: <sup>1</sup> **5.68 dB**  
MIF: <sup>2</sup> **-16.68 dB**

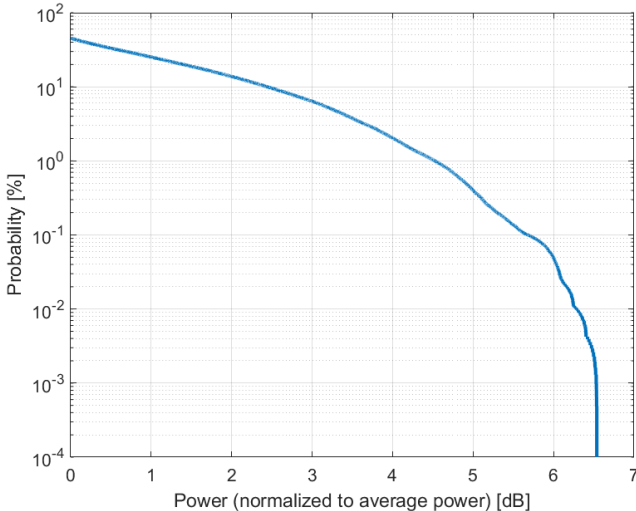
Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n40 (2300 - 2400 MHz)  
Band n41 (2496 - 2690 MHz)  
Band n48 (3550 - 3700 MHz)  
Band n50 (1432 - 1517 MHz)  
Band n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
Band n79 (4400 - 5000 MHz)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

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

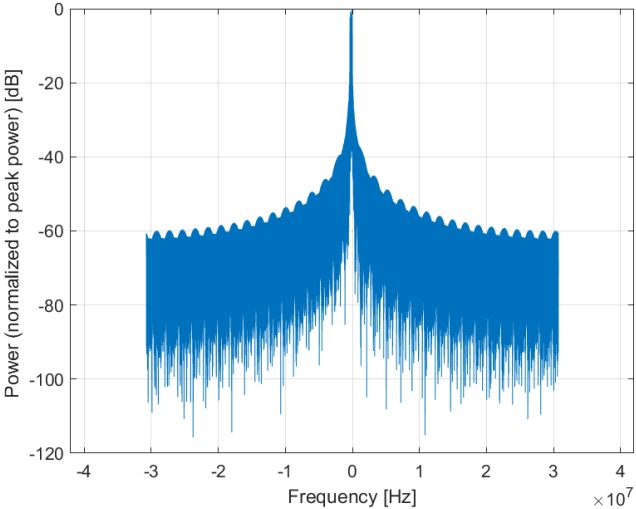
Bandwidth: 60.0 MHz  
Integration Time: 10.0 ms

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

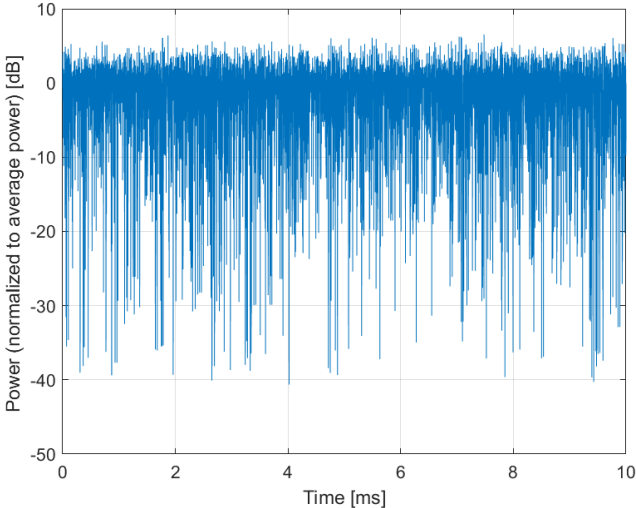
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**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, 80 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10906-AAA

PAR: <sup>1</sup> **5.68 dB**  
MIF: <sup>2</sup> **-16.69 dB**

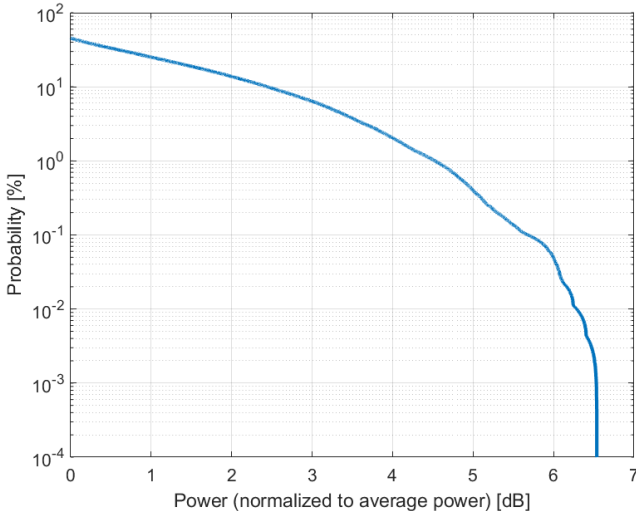
Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n40 (2300 - 2400 MHz)  
Band n41 (2496 - 2690 MHz)  
Band n48 (3550 - 3700 MHz)  
Band n50 (1432 - 1517 MHz)  
Band n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
Band n79 (4400 - 5000 MHz)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

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

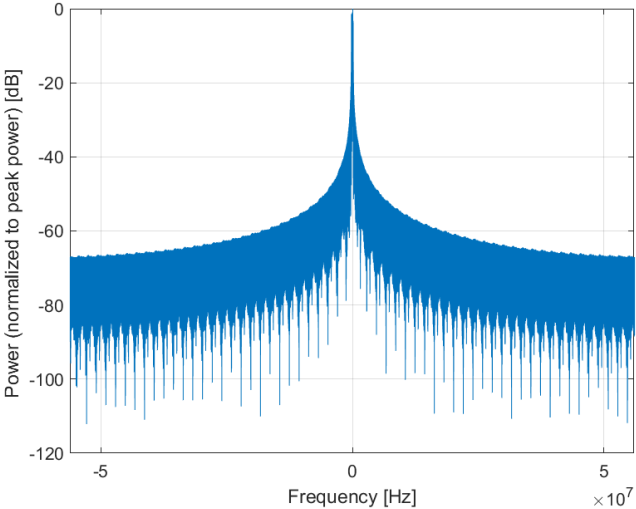
Bandwidth: 80.0 MHz  
Integration Time: 10.0 ms

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

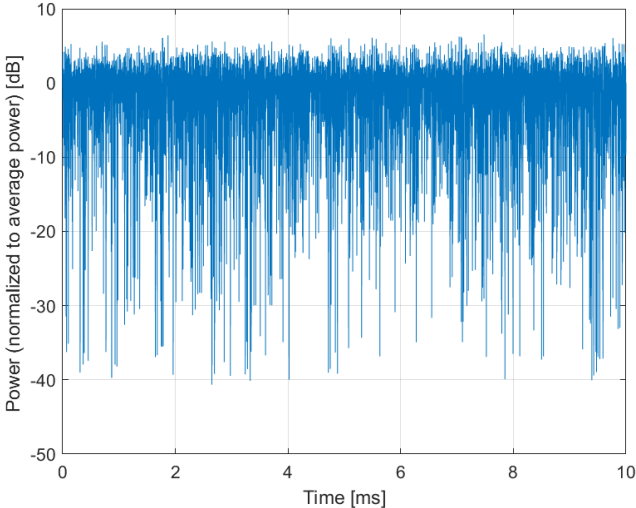
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**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, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10907-AAA

PAR: <sup>1</sup> **5.78 dB**  
MIF: <sup>2</sup> **-19.09 dB**

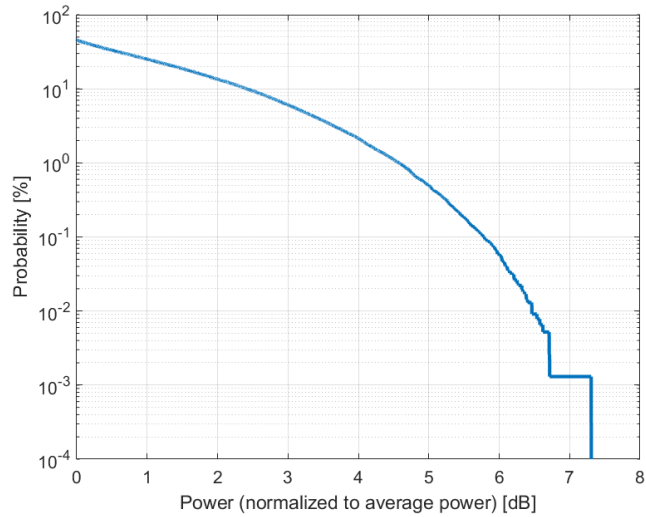
Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n34 (2010 - 2025 MHz)  
Band n38 (2570 - 2620 MHz)  
Band n39 (1880 - 1920 MHz)  
Band n40 (2300 - 2400 MHz)  
Band n41 (2496 - 2690 MHz)  
Band n48 (3550 - 3700 MHz)  
Band n50 (1432 - 1517 MHz)  
Band n51 (1427 - 1432 MHz)  
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 5  
Slot Format Index: 1  
Data Type: PN9

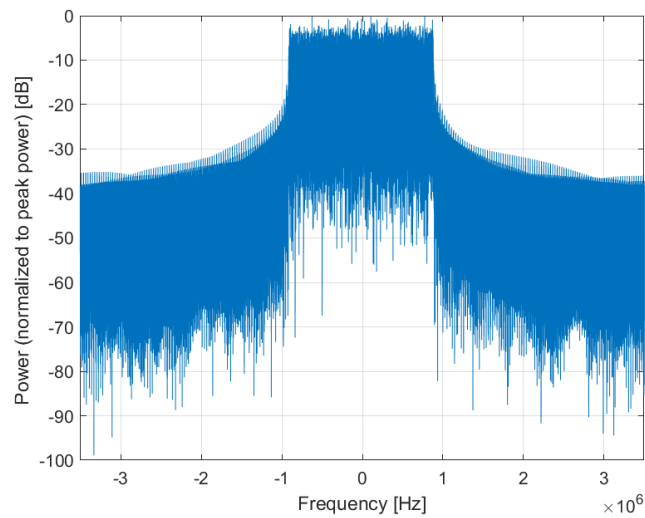
Bandwidth: 5.0 MHz  
Integration Time: 10.0 ms

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

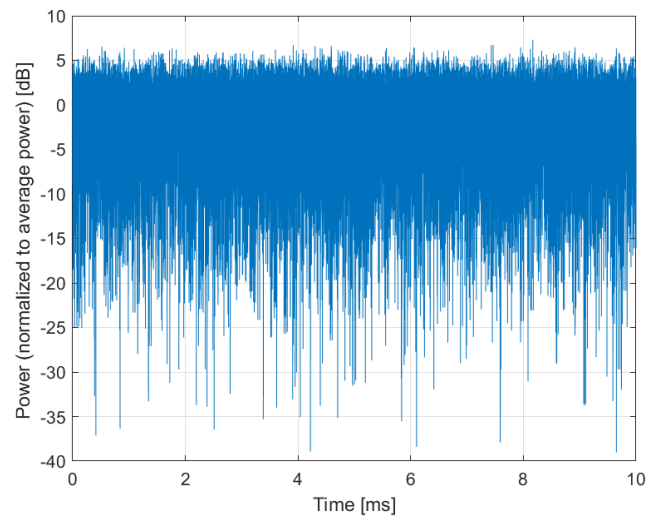
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**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, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10908-AAA

PAR: <sup>1</sup> **5.93 dB**  
MIF: <sup>2</sup> **-19.67 dB**

Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n34 (2010 - 2025 MHz)  
Band n38 (2570 - 2620 MHz)  
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)

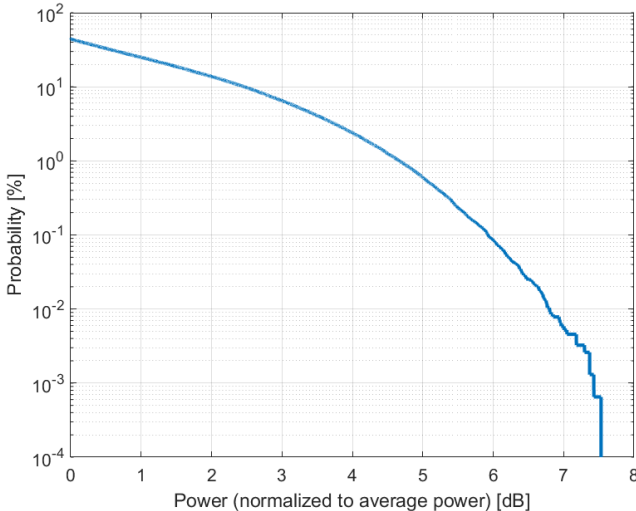
Detailed Specification: Multiplexing Scheme: DFT-s-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 12  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 10.0 MHz  
Integration Time: 10.0 ms

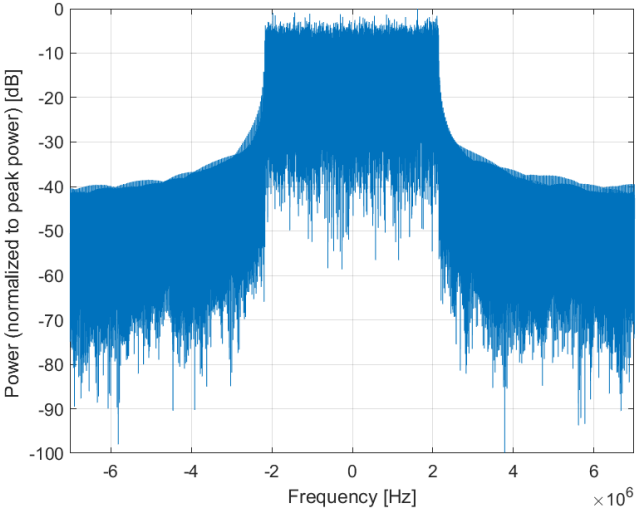
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

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

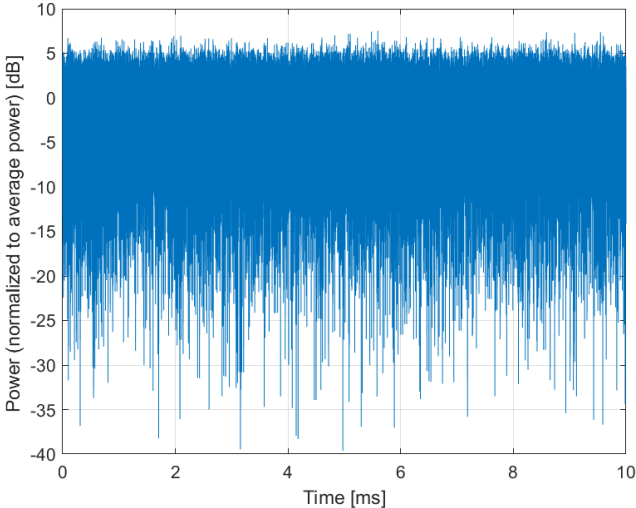




**Complementary Cumulative Distribution Function (CCDF)**



**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, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10909-AAA

PAR: <sup>1</sup> **5.96 dB**  
MIF: <sup>2</sup> **-20.01 dB**

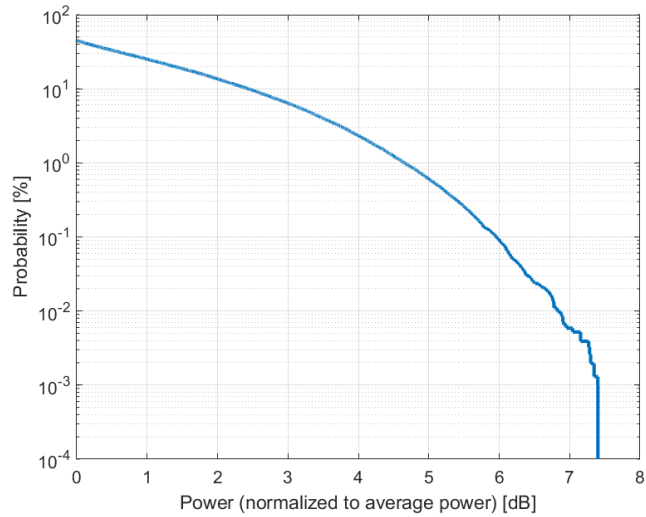
Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n34 (2010 - 2025 MHz)  
Band n38 (2570 - 2620 MHz)  
Band n39 (1880 - 1920 MHz)  
Band n40 (2300 - 2400 MHz)  
Band n41 (2496 - 2690 MHz)  
Band n48 (3550 - 3700 MHz)  
Band n50 (1432 - 1517 MHz)  
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: 18  
Slot Format Index: 1  
Data Type: PN9

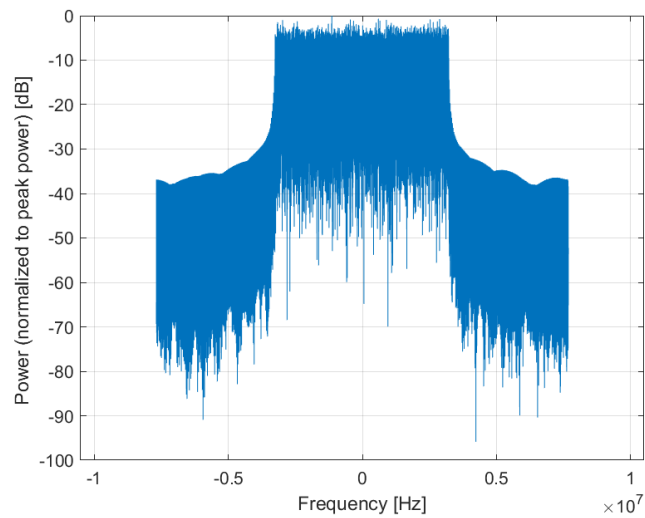
Bandwidth: 15.0 MHz  
Integration Time: 10.0 ms

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

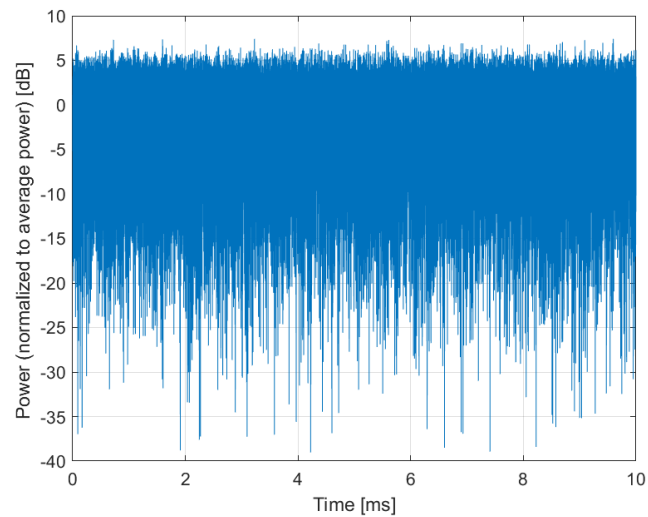
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**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, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10910-AAA

PAR: <sup>1</sup> **5.83 dB**  
MIF: <sup>2</sup> **-20.30 dB**

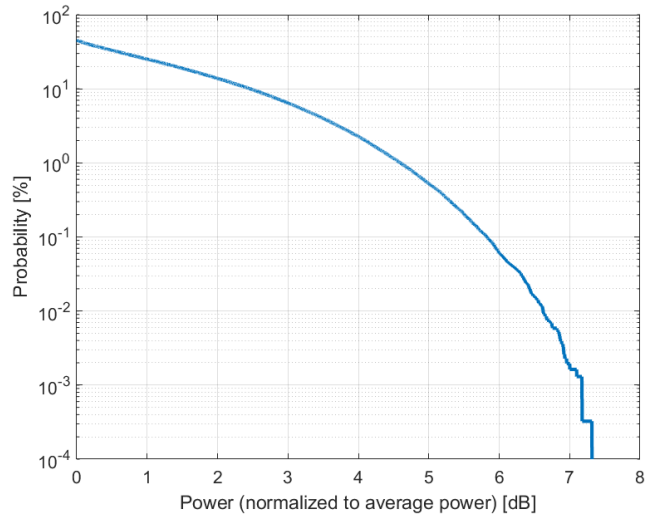
Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n38 (2570 - 2620 MHz)  
Band n39 (1880 - 1920 MHz)  
Band n40 (2300 - 2400 MHz)  
Band n41 (2496 - 2690 MHz)  
Band n48 (3550 - 3700 MHz)  
Band n50 (1432 - 1517 MHz)  
Band n77 (3300 - 4200 MHz)  
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: 25  
Slot Format Index: 1  
Data Type: PN9

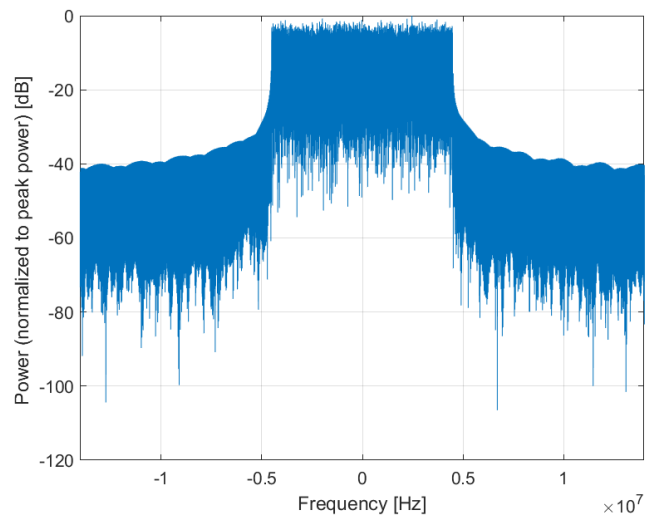
Bandwidth: 20.0 MHz  
Integration Time: 10.0 ms

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

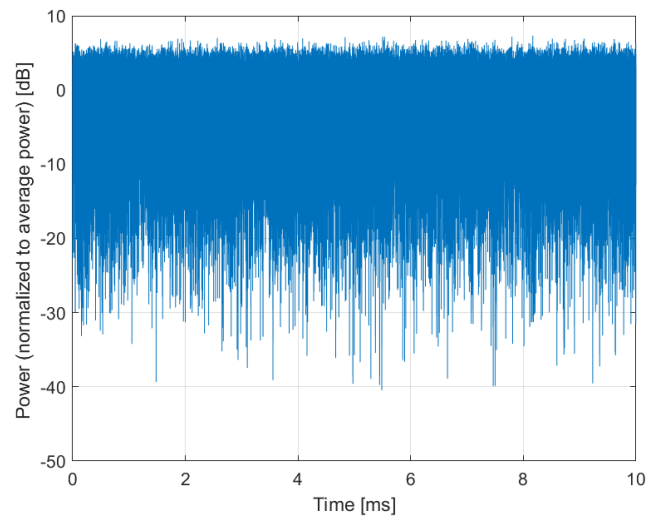
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**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, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10911-AAA

PAR: <sup>1</sup> **5.93 dB**  
MIF: <sup>2</sup> **-20.40 dB**

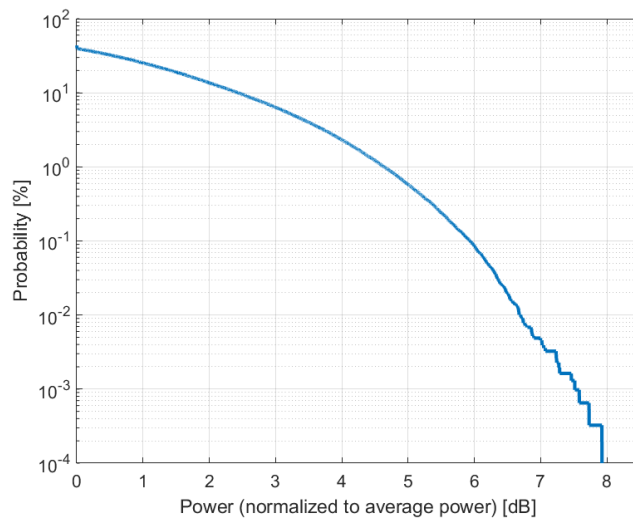
Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n39 (1880 - 1920 MHz)  
Band n40 (2300 - 2400 MHz)  
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 32  
Slot Format Index: 1  
Data Type: PN9

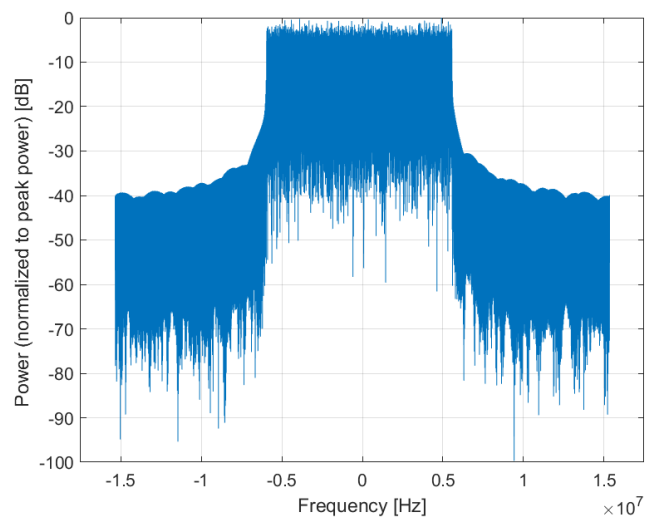
Bandwidth: 25.0 MHz  
Integration Time: 10.0 ms

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

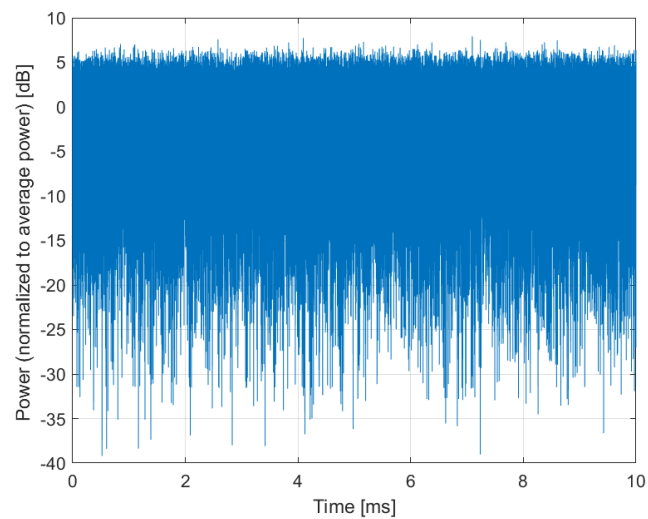
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**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, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10912-AAA

PAR: <sup>1</sup> **5.84 dB**  
MIF: <sup>2</sup> **-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)

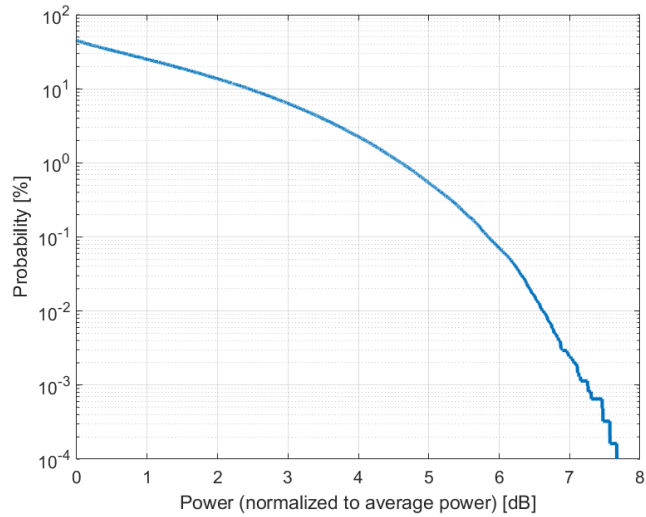
Detailed Specification: Multiplexing Scheme: DFT-s-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 36  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 30.0 MHz  
Integration Time: 10.0 ms

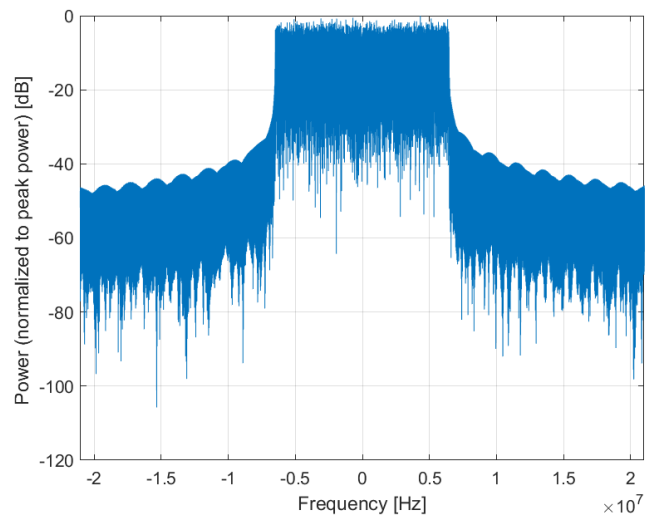
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

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

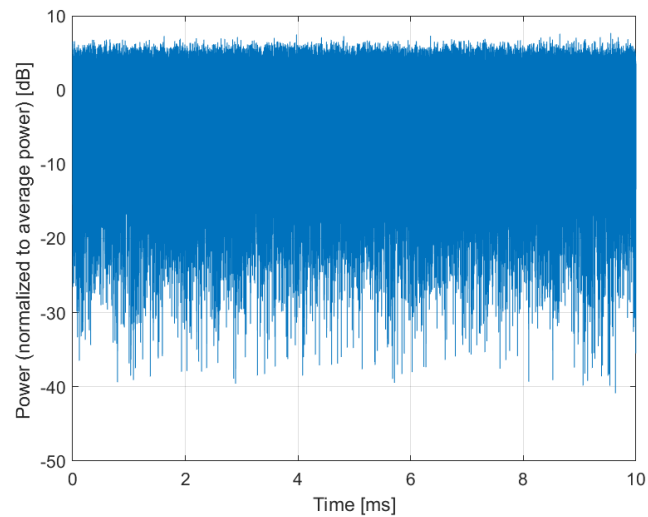




**Complementary Cumulative Distribution Function (CCDF)**



**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, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10913-AAA

PAR: <sup>1</sup> **5.84 dB**  
MIF: <sup>2</sup> **-20.15 dB**

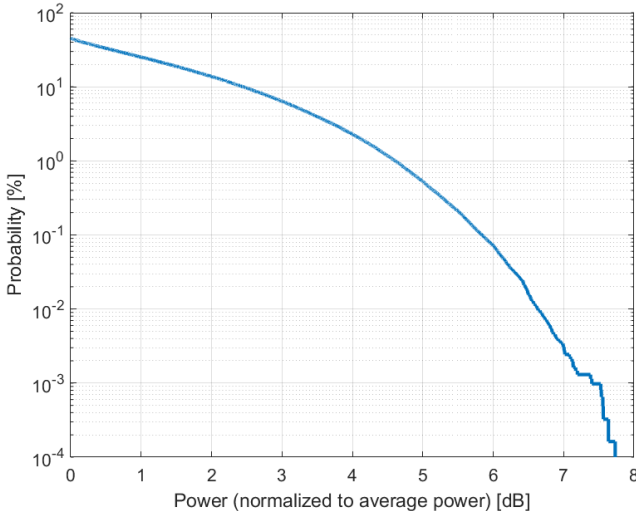
Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n39 (1880 - 1920 MHz)  
Band n40 (2300 - 2400 MHz)  
Band n41 (2496 - 2690 MHz)  
Band n48 (3550 - 3700 MHz)  
Band n50 (1432 - 1517 MHz)  
Band n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
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: 50  
Slot Format Index: 1  
Data Type: PN9

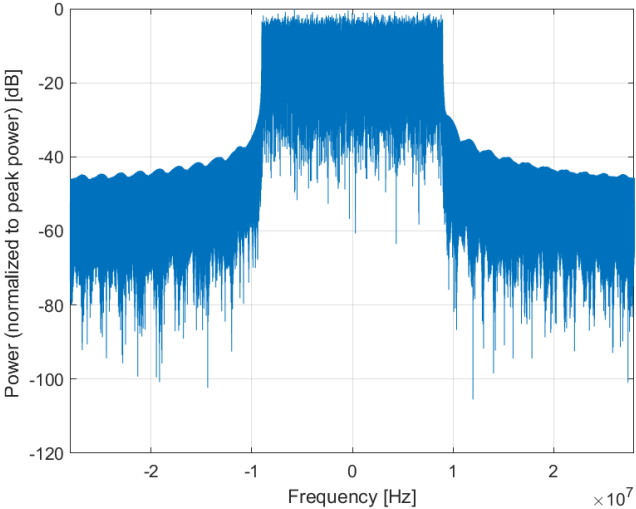
Bandwidth: 40.0 MHz  
Integration Time: 10.0 ms

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

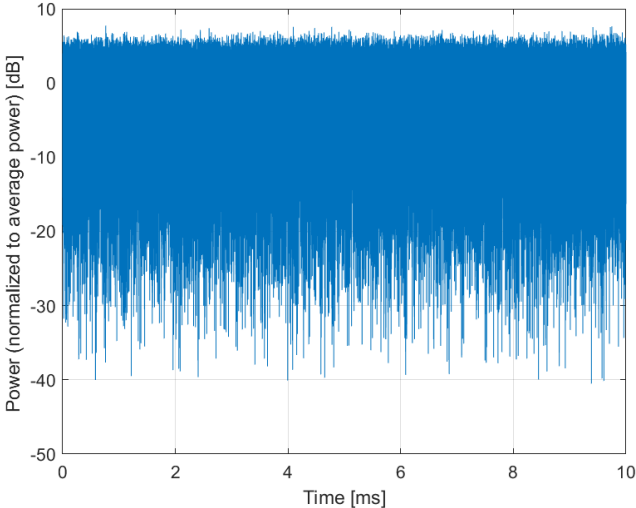
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**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, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10914-AAA

PAR: <sup>1</sup> **5.85 dB**  
MIF: <sup>2</sup> **-20.27 dB**

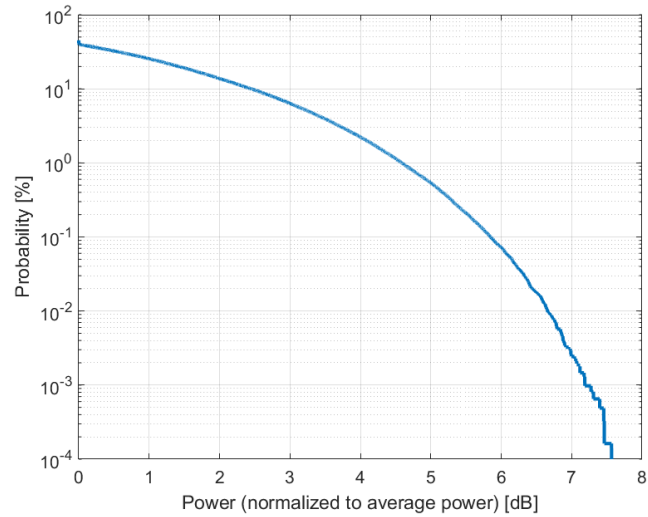
Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n40 (2300 - 2400 MHz)  
Band n41 (2496 - 2690 MHz)  
Band n48 (3550 - 3700 MHz)  
Band n50 (1432 - 1517 MHz)  
Band n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
Band n79 (4400 - 5000 MHz)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

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 64  
Slot Format Index: 1  
Data Type: PN9

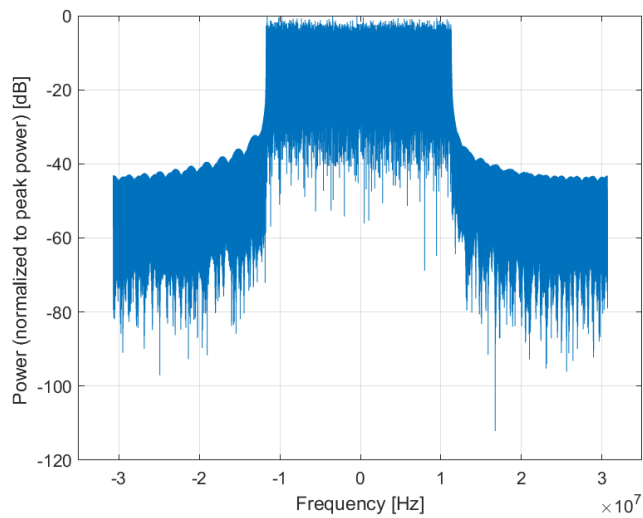
Bandwidth: 50.0 MHz  
Integration Time: 10.0 ms

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

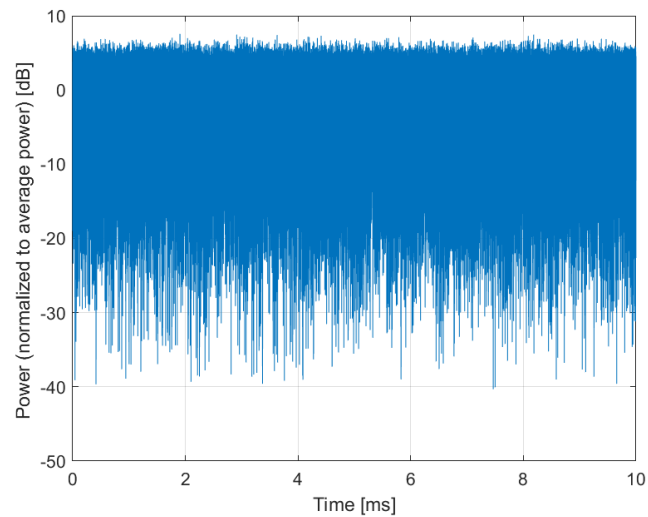
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**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, 60 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10915-AAA

PAR: <sup>1</sup> **5.83 dB**  
MIF: <sup>2</sup> **-20.44 dB**

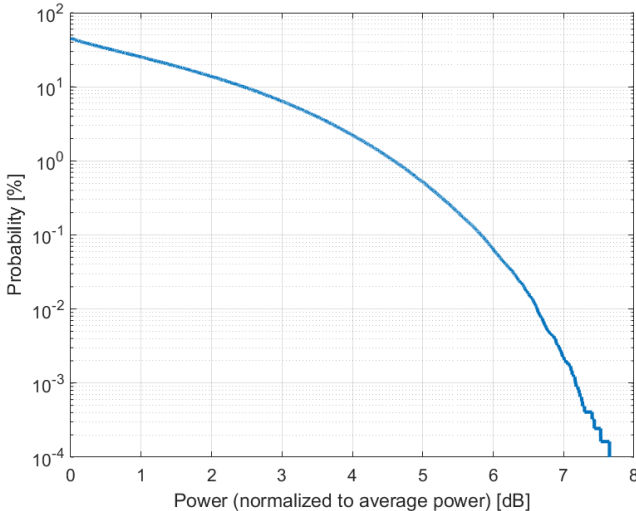
Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n40 (2300 - 2400 MHz)  
Band n41 (2496 - 2690 MHz)  
Band n48 (3550 - 3700 MHz)  
Band n50 (1432 - 1517 MHz)  
Band n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
Band n79 (4400 - 5000 MHz)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

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 81  
Slot Format Index: 1  
Data Type: PN9

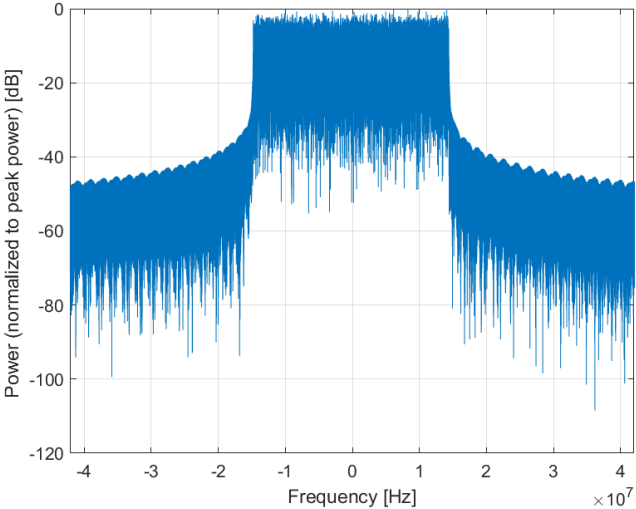
Bandwidth: 60.0 MHz  
Integration Time: 10.0 ms

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

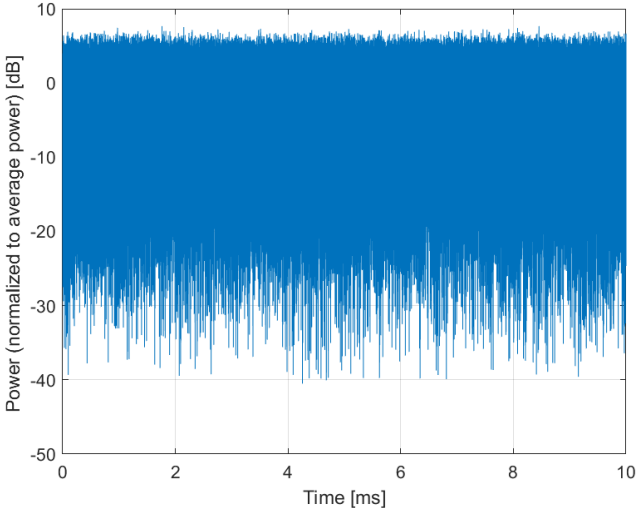
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**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, 80 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10916-AAA

PAR: <sup>1</sup> **5.87 dB**  
MIF: <sup>2</sup> **-20.49 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)

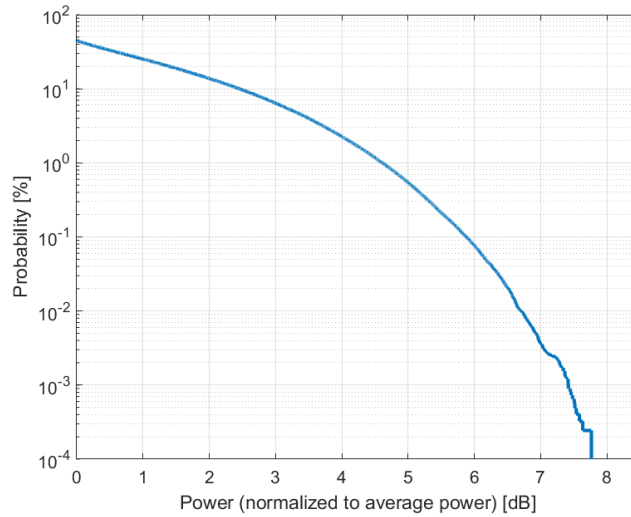
Detailed Specification: Multiplexing Scheme: DFT-s-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 108  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 80.0 MHz  
Integration Time: 10.0 ms

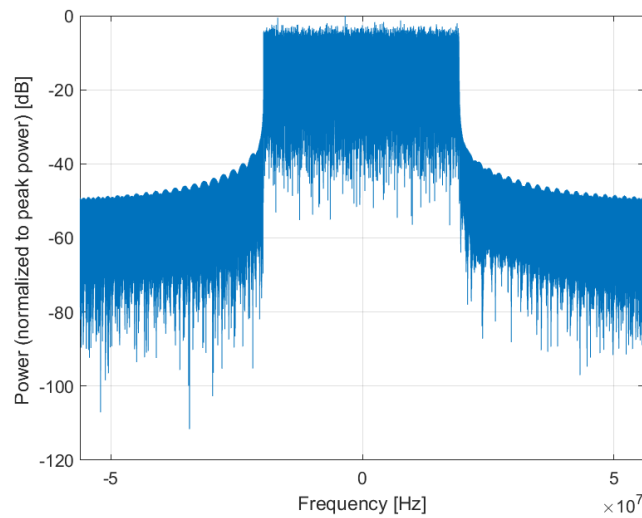
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

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

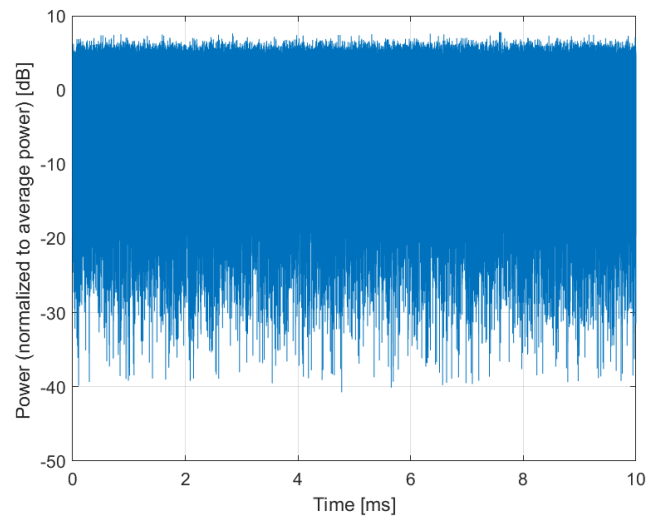




**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**



**Time Domain**

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

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

Group: 5G NR FR1 TDD  
UID: 10917-AAA

PAR: <sup>1</sup> **5.94 dB**  
MIF: <sup>2</sup> **-20.29 dB**

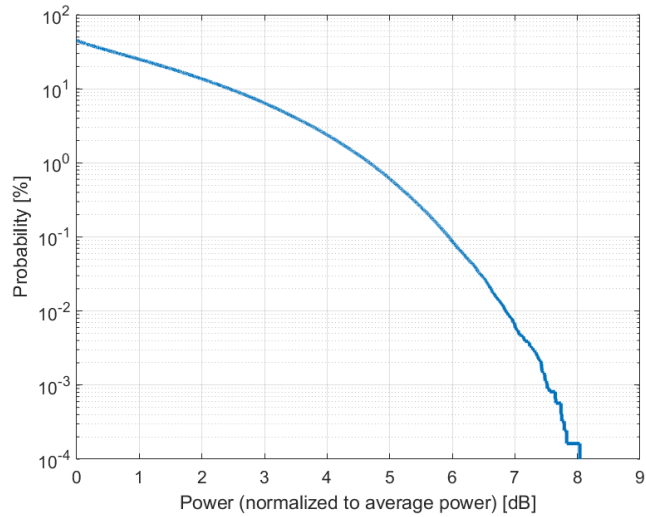
Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n41 (2496 - 2690 MHz)  
Band n48 (3550 - 3700 MHz)  
Band n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
Band n79 (4400 - 5000 MHz)  
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 135  
Slot Format Index: 1  
Data Type: PN9

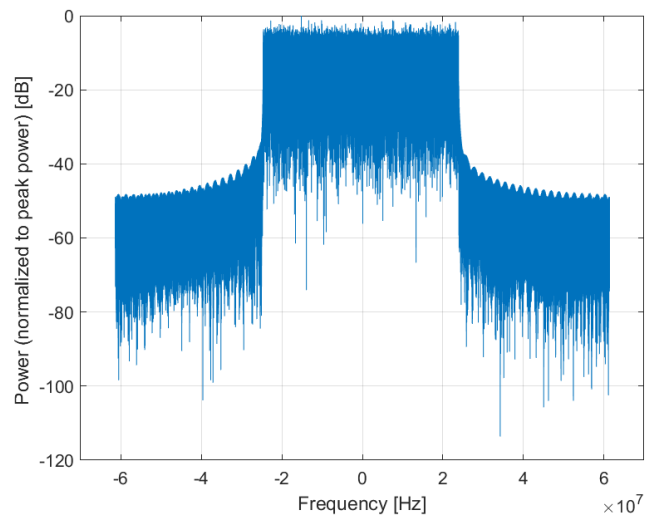
Bandwidth: 100.0 MHz  
Integration Time: 10.0 ms

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

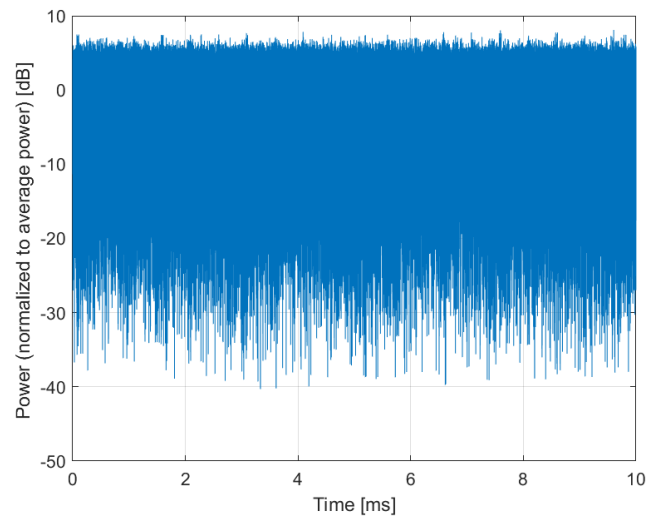
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**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, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10918-AAA

PAR: <sup>1</sup> **5.86 dB**  
MIF: <sup>2</sup> **-20.12 dB**

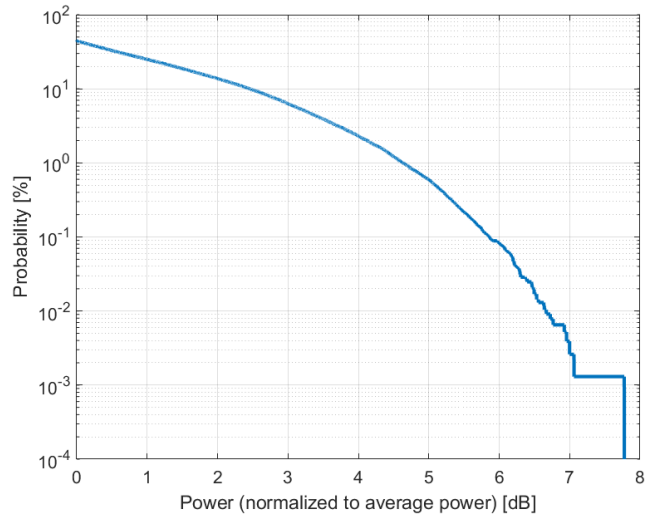
Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n34 (2010 - 2025 MHz)  
Band n38 (2570 - 2620 MHz)  
Band n39 (1880 - 1920 MHz)  
Band n40 (2300 - 2400 MHz)  
Band n41 (2496 - 2690 MHz)  
Band n48 (3550 - 3700 MHz)  
Band n50 (1432 - 1517 MHz)  
Band n51 (1427 - 1432 MHz)  
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 10  
Slot Format Index: 1  
Data Type: PN9

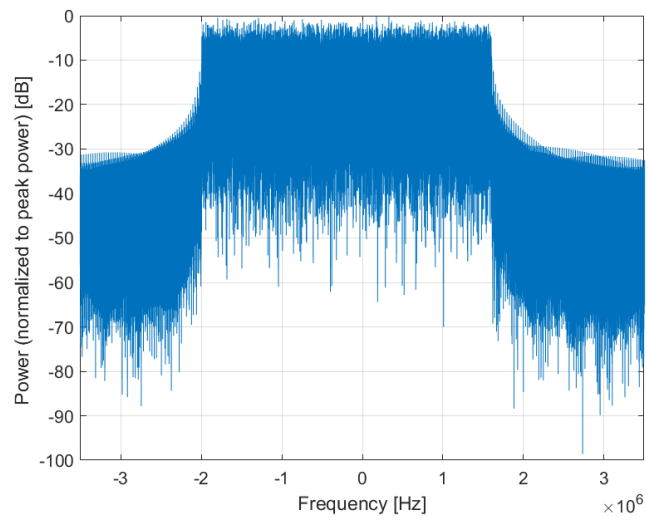
Bandwidth: 5.0 MHz  
Integration Time: 10.0 ms

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

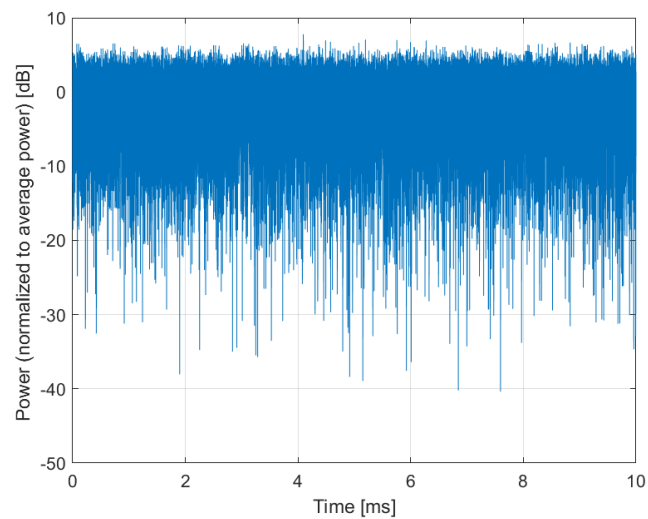
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**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, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10919-AAA

PAR: <sup>1</sup> **5.86 dB**  
MIF: <sup>2</sup> **-20.43 dB**

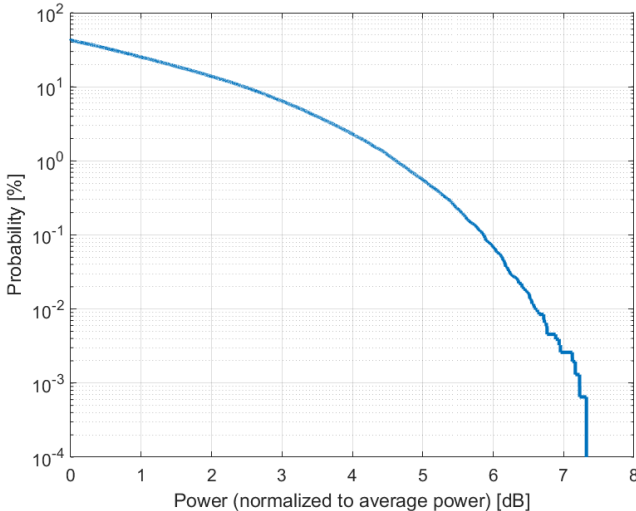
Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n34 (2010 - 2025 MHz)  
Band n38 (2570 - 2620 MHz)  
Band n39 (1880 - 1920 MHz)  
Band n40 (2300 - 2400 MHz)  
Band n41 (2496 - 2690 MHz)  
Band n48 (3550 - 3700 MHz)  
Band n50 (1432 - 1517 MHz)  
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: 24  
Slot Format Index: 1  
Data Type: PN9

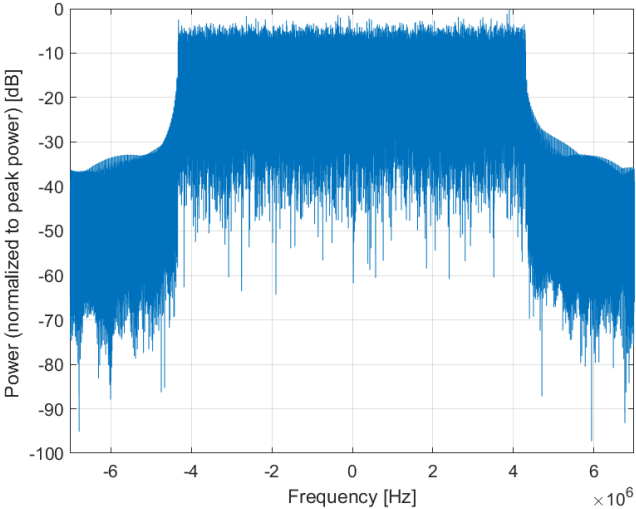
Bandwidth: 10.0 MHz  
Integration Time: 10.0 ms

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

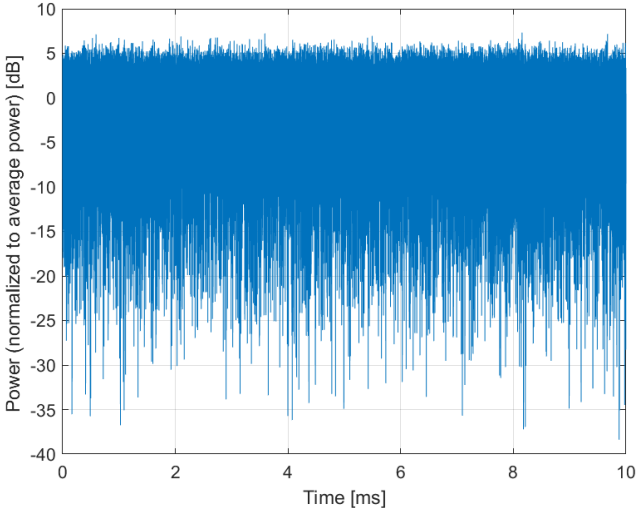
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**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, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10920-AAA

PAR: <sup>1</sup> **5.87 dB**  
MIF: <sup>2</sup> **-20.38 dB**

Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n34 (2010 - 2025 MHz)  
Band n38 (2570 - 2620 MHz)  
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)

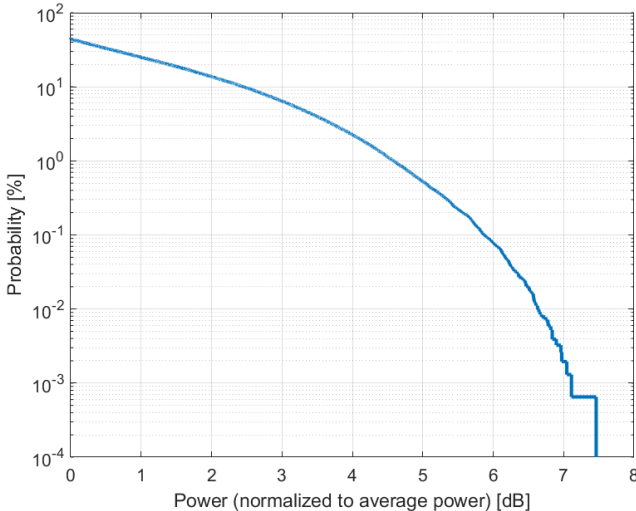
Detailed Specification: Multiplexing Scheme: DFT-s-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 36  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 15.0 MHz  
Integration Time: 10.0 ms

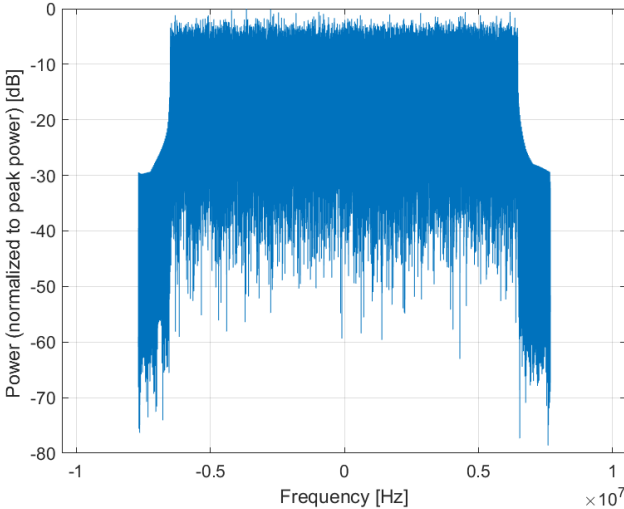
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

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

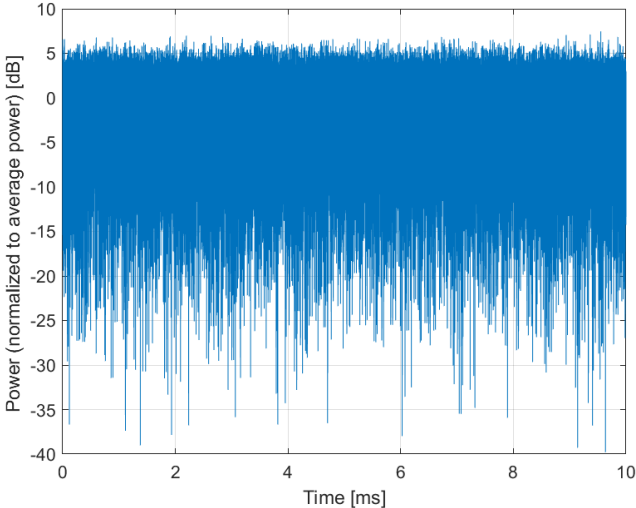




**Complementary Cumulative Distribution Function (CCDF)**



**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, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10921-AAA

PAR: <sup>1</sup> **5.84 dB**  
MIF: <sup>2</sup> **-20.14 dB**

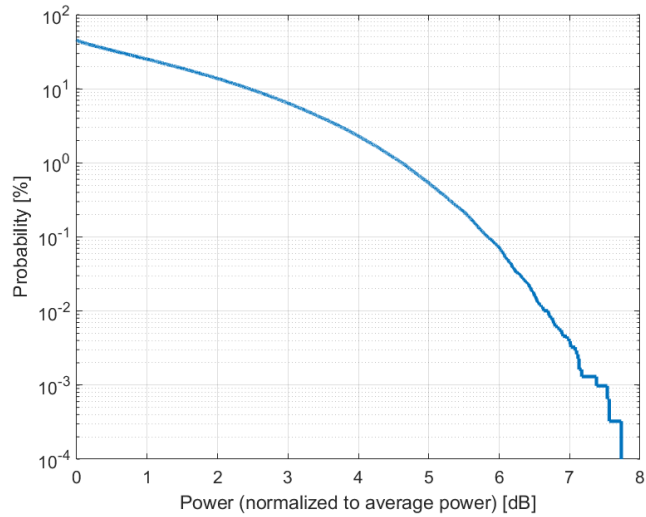
Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n38 (2570 - 2620 MHz)  
Band n39 (1880 - 1920 MHz)  
Band n40 (2300 - 2400 MHz)  
Band n41 (2496 - 2690 MHz)  
Band n48 (3550 - 3700 MHz)  
Band n50 (1432 - 1517 MHz)  
Band n77 (3300 - 4200 MHz)  
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: 50  
Slot Format Index: 1  
Data Type: PN9

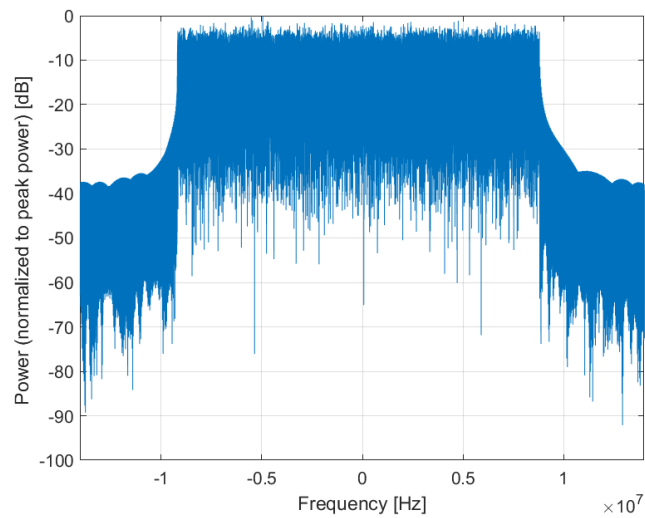
Bandwidth: 20.0 MHz  
Integration Time: 10.0 ms

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

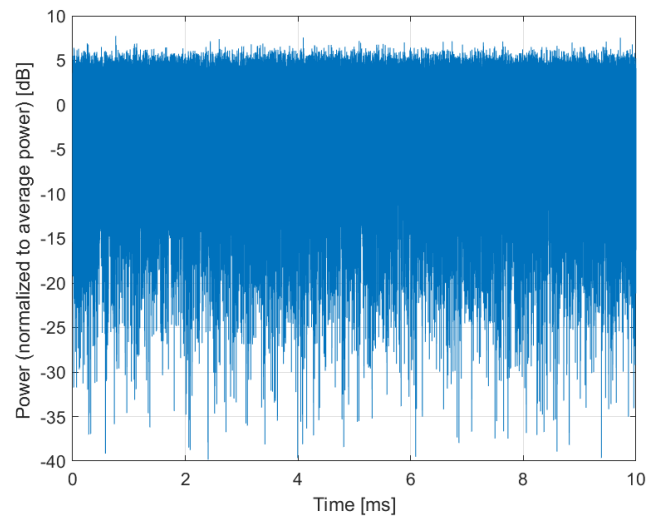
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



**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, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10922-AAA

PAR: <sup>1</sup> **5.82 dB**  
MIF: <sup>2</sup> **-20.26 dB**

Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n39 (1880 - 1920 MHz)  
Band n40 (2300 - 2400 MHz)  
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 64  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 25.0 MHz  
Integration Time: 10.0 ms

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

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