

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

Name: **IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)**

Group: WLAN  
UID: 10761-AAC

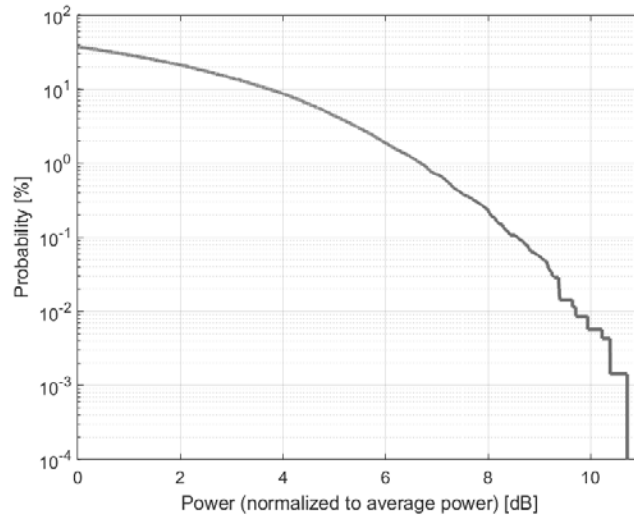
PAR: <sup>1</sup> **8.58 dB**  
MIF: <sup>2</sup> **-17.80 dB**

Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: 64-QAM  
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)  
WLAN 5GHz (4915.0 - 5825.0 MHz)  
U-NII-1, U-NII-2A (5170 - 5330 MHz)  
U-NII-2C Standalone (5490 - 5710 MHz)  
U-NII-2C <5.65 GHz (5490 - 5650 MHz)  
U-NII-3 Standalone (5735 - 5835 MHz)  
U-NII-2C, U-NII-3 (5650 - 5835 MHz)  
U-NII-5 (5925 - 6425 MHz)  
U-NII-6 (6425 - 6525 MHz)  
U-NII-7 (6525 - 6875 MHz)  
U-NII-8 (6875 - 7125 MHz)  
U-NII-4 (5.825 - 5.925 MHz)  
Validation band (0.0 - 6000.0 MHz)

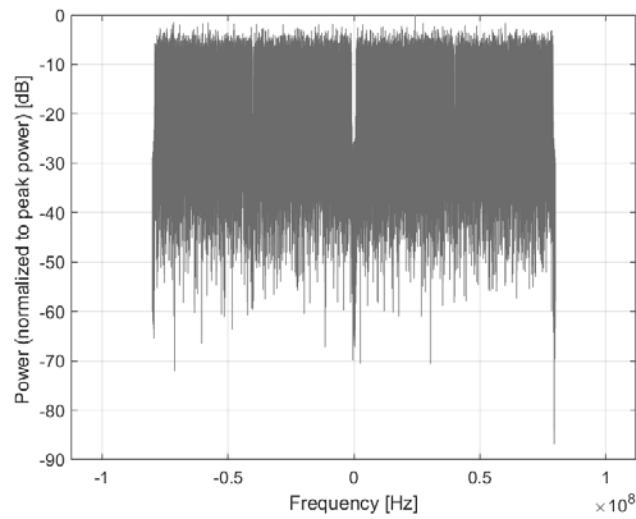
Detailed Specification: Bandwidth: 160MHz  
Duty Cycle: 99%  
Number of spatial stream: 1

Bandwidth: 160.0 MHz  
Integration Time: 0.4 ms

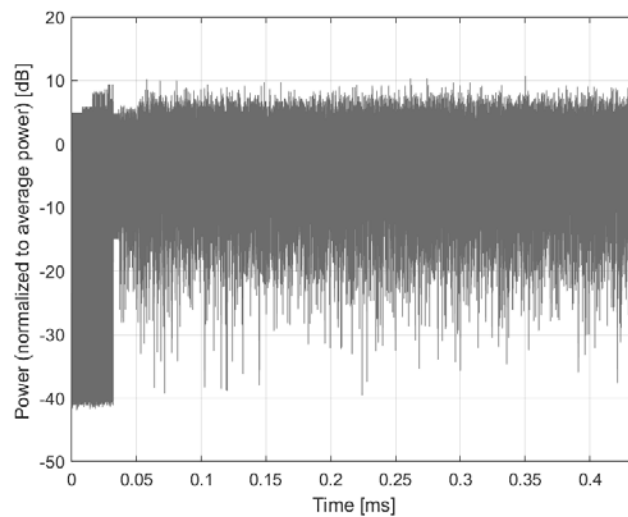
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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: **IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)**

Group: WLAN  
UID: 10762-AAC

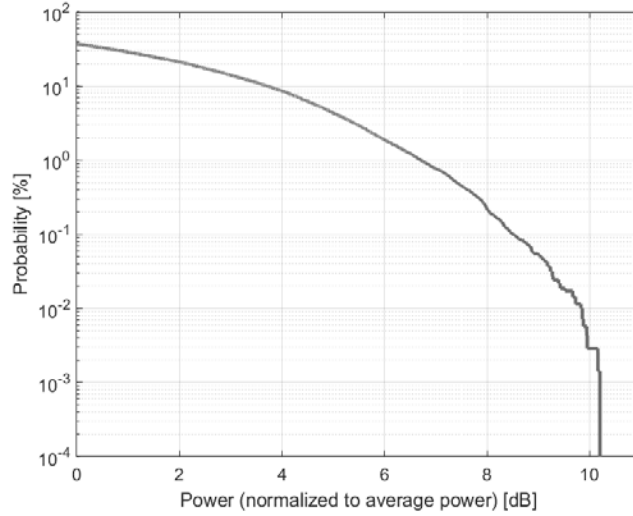
PAR: <sup>1</sup> **8.49 dB**  
MIF: <sup>2</sup> **-17.72 dB**

Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: 64-QAM  
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)  
WLAN 5GHz (4915.0 - 5825.0 MHz)  
U-NII-1, U-NII-2A (5170 - 5330 MHz)  
U-NII-2C Standalone (5490 - 5710 MHz)  
U-NII-2C <5.65 GHz (5490 - 5650 MHz)  
U-NII-3 Standalone (5735 - 5835 MHz)  
U-NII-2C, U-NII-3 (5650 - 5835 MHz)  
U-NII-5 (5925 - 6425 MHz)  
U-NII-6 (6425 - 6525 MHz)  
U-NII-7 (6525 - 6875 MHz)  
U-NII-8 (6875 - 7125 MHz)  
U-NII-4 (5.825 - 5.925 MHz)  
Validation band (0.0 - 6000.0 MHz)

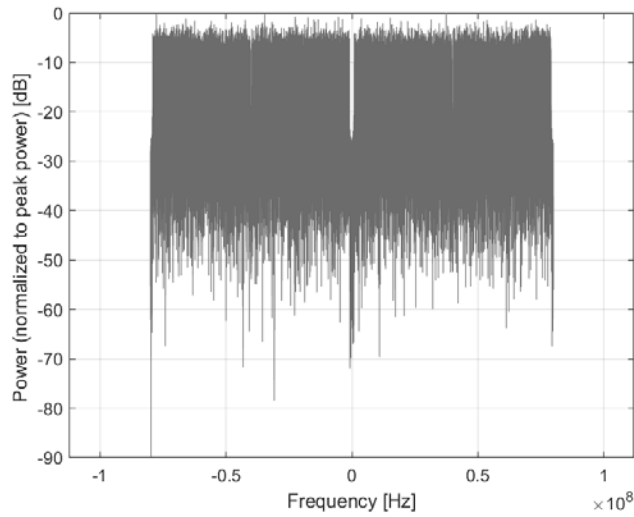
Detailed Specification: Bandwidth: 160MHz  
Duty Cycle: 99%  
Number of spatial stream: 1

Bandwidth: 160.0 MHz  
Integration Time: 0.4 ms

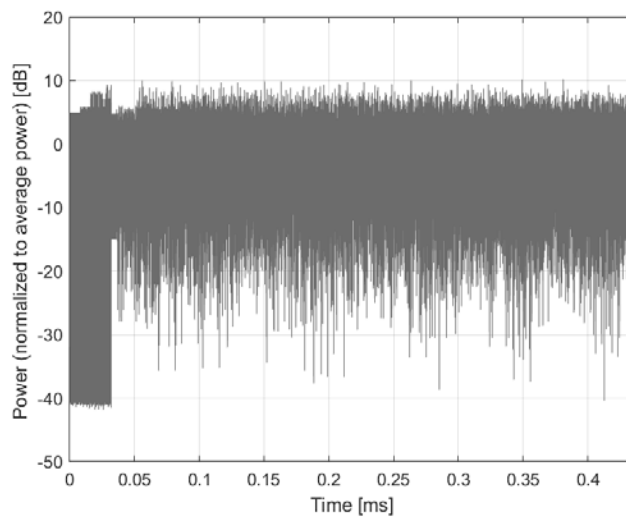
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same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



**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**



**Time Domain**

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

Name: **IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)**

Group: WLAN  
UID: 10763-AAC

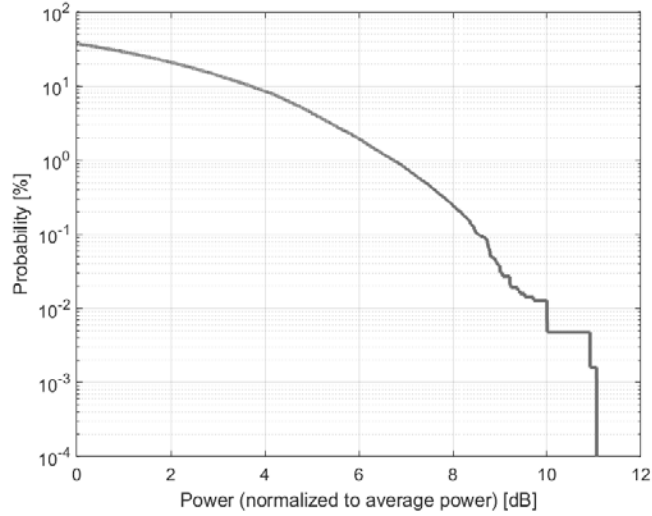
PAR: <sup>1</sup> **8.53 dB**  
MIF: <sup>2</sup> **-17.00 dB**

Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: 256-QAM  
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)  
WLAN 5GHz (4915.0 - 5825.0 MHz)  
U-NII-1, U-NII-2A (5170 - 5330 MHz)  
U-NII-2C Standalone (5490 - 5710 MHz)  
U-NII-2C <5.65 GHz (5490 - 5650 MHz)  
U-NII-3 Standalone (5735 - 5835 MHz)  
U-NII-2C, U-NII-3 (5650 - 5835 MHz)  
U-NII-5 (5925 - 6425 MHz)  
U-NII-6 (6425 - 6525 MHz)  
U-NII-7 (6525 - 6875 MHz)  
U-NII-8 (6875 - 7125 MHz)  
U-NII-4 (5.825 - 5.925 MHz)  
Validation band (0.0 - 6000.0 MHz)

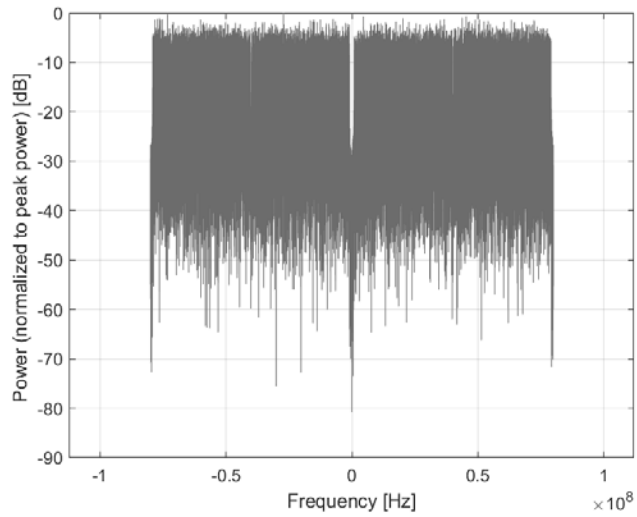
Detailed Specification: Bandwidth: 160MHz  
Duty Cycle: 99%  
Number of spatial stream: 1

Bandwidth: 160.0 MHz  
Integration Time: 0.4 ms

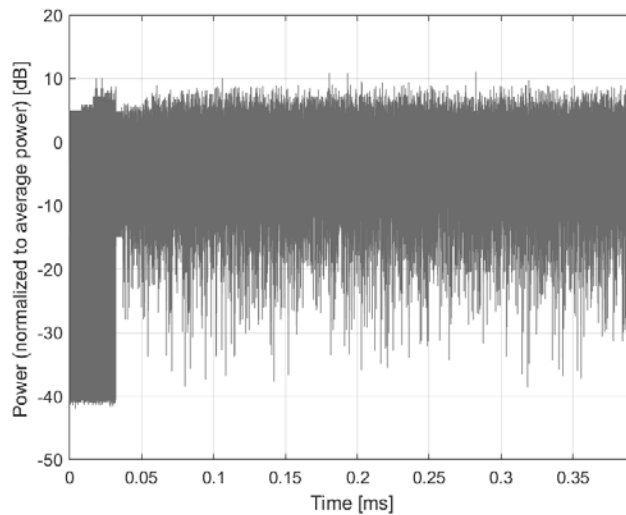
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same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



**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**



**Time Domain**

**Calibration Laboratory of  
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Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)**

Group: WLAN  
UID: 10764-AAC

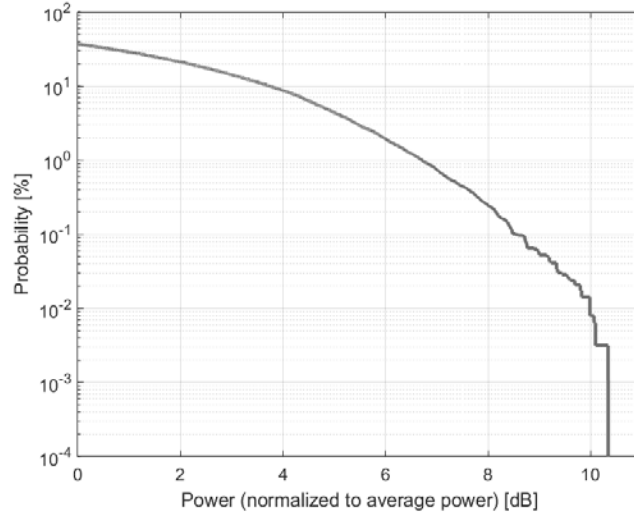
PAR: <sup>1</sup> **8.54 dB**  
MIF: <sup>2</sup> **-17.43 dB**

Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: 256-QAM  
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)  
WLAN 5GHz (4915.0 - 5825.0 MHz)  
U-NII-1, U-NII-2A (5170 - 5330 MHz)  
U-NII-2C Standalone (5490 - 5710 MHz)  
U-NII-2C <5.65 GHz (5490 - 5650 MHz)  
U-NII-3 Standalone (5735 - 5835 MHz)  
U-NII-2C, U-NII-3 (5650 - 5835 MHz)  
U-NII-5 (5925 - 6425 MHz)  
U-NII-6 (6425 - 6525 MHz)  
U-NII-7 (6525 - 6875 MHz)  
U-NII-8 (6875 - 7125 MHz)  
U-NII-4 (5.825 - 5.925 MHz)  
Validation band (0.0 - 6000.0 MHz)

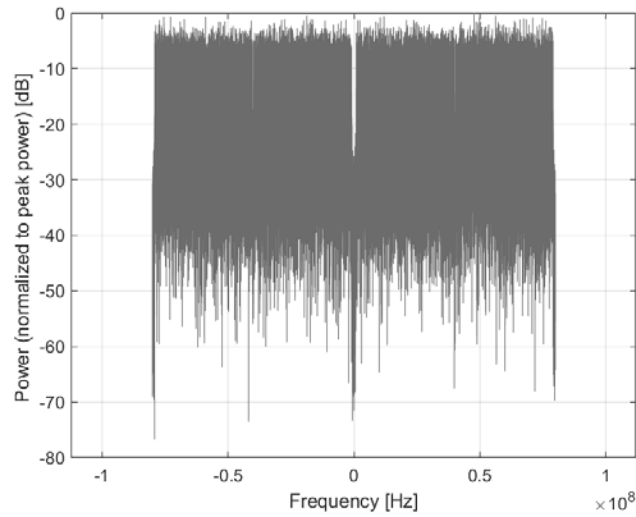
Detailed Specification: Bandwidth: 160MHz  
Duty Cycle: 99%  
Number of spatial stream: 1

Bandwidth: 160.0 MHz  
Integration Time: 0.4 ms

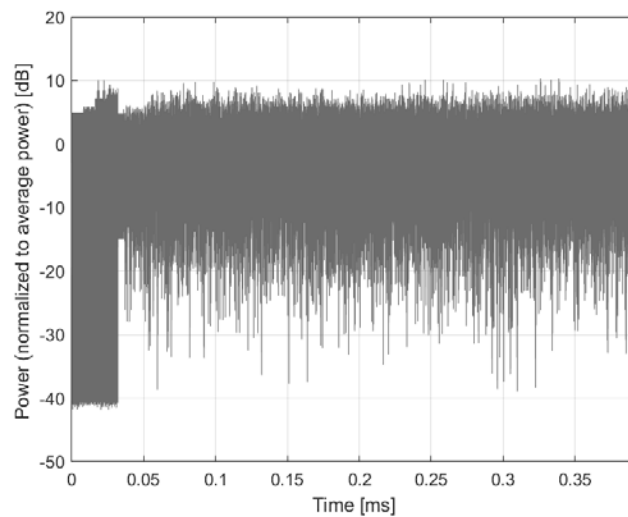
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same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



**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**



**Time Domain**



**Calibration Laboratory of  
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Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)**

Group: WLAN  
UID: 10765-AAC

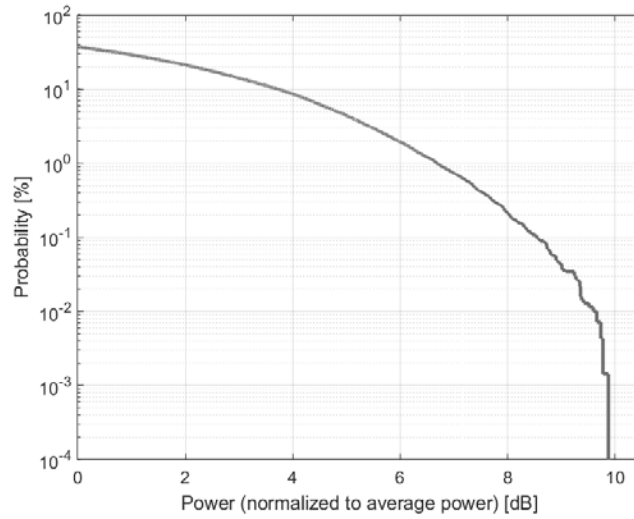
PAR: <sup>1</sup> **8.54 dB**  
MIF: <sup>2</sup> **-17.11 dB**

Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: 1024-QAM  
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)  
WLAN 5GHz (4915.0 - 5825.0 MHz)  
U-NII-1, U-NII-2A (5170 - 5330 MHz)  
U-NII-2C Standalone (5490 - 5710 MHz)  
U-NII-2C <5.65 GHz (5490 - 5650 MHz)  
U-NII-3 Standalone (5735 - 5835 MHz)  
U-NII-2C, U-NII-3 (5650 - 5835 MHz)  
U-NII-5 (5925 - 6425 MHz)  
U-NII-6 (6425 - 6525 MHz)  
U-NII-7 (6525 - 6875 MHz)  
U-NII-8 (6875 - 7125 MHz)  
U-NII-4 (5.825 - 5.925 MHz)  
Validation band (0.0 - 6000.0 MHz)

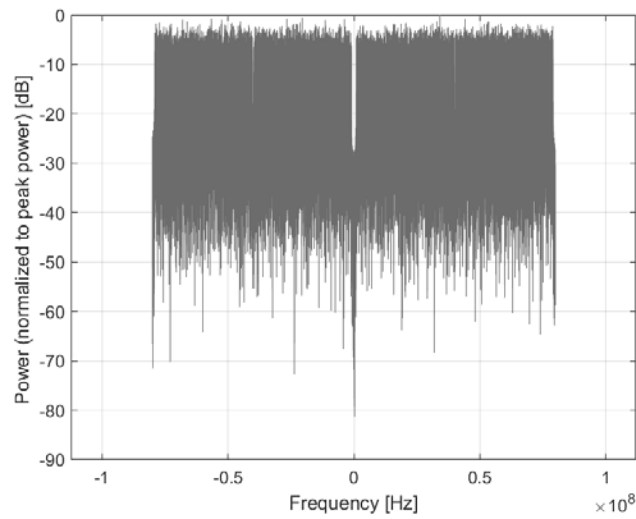
Detailed Specification: Bandwidth: 160MHz  
Duty Cycle: 99%  
Number of spatial stream: 1

Bandwidth: 160.0 MHz  
Integration Time: 0.4 ms

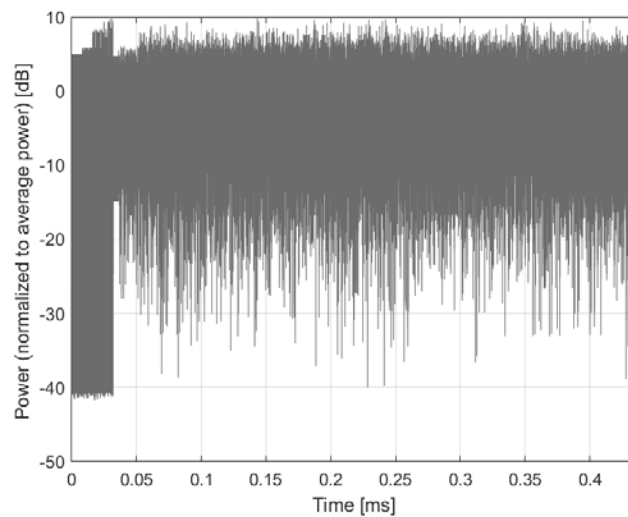
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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: **IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)**

Group: WLAN  
UID: 10766-AAC

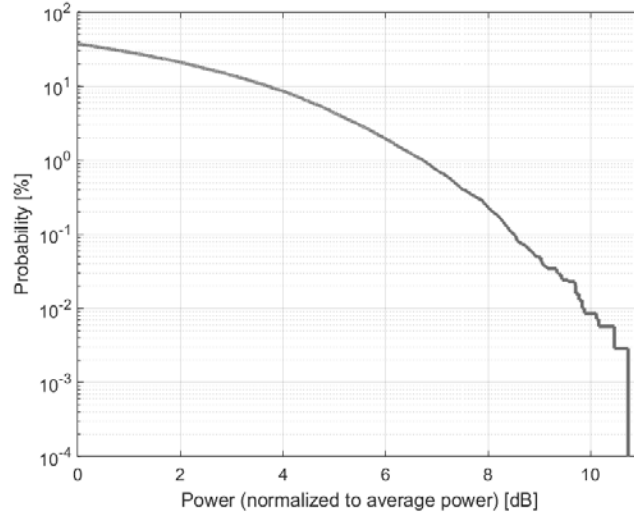
PAR: <sup>1</sup> **8.51 dB**  
MIF: <sup>2</sup> **-16.98 dB**

Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: 1024-QAM  
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)  
WLAN 5GHz (4915.0 - 5825.0 MHz)  
U-NII-1, U-NII-2A (5170 - 5330 MHz)  
U-NII-2C Standalone (5490 - 5710 MHz)  
U-NII-2C <5.65 GHz (5490 - 5650 MHz)  
U-NII-3 Standalone (5735 - 5835 MHz)  
U-NII-2C, U-NII-3 (5650 - 5835 MHz)  
U-NII-5 (5925 - 6425 MHz)  
U-NII-6 (6425 - 6525 MHz)  
U-NII-7 (6525 - 6875 MHz)  
U-NII-8 (6875 - 7125 MHz)  
U-NII-4 (5.825 - 5.925 MHz)  
Validation band (0.0 - 6000.0 MHz)

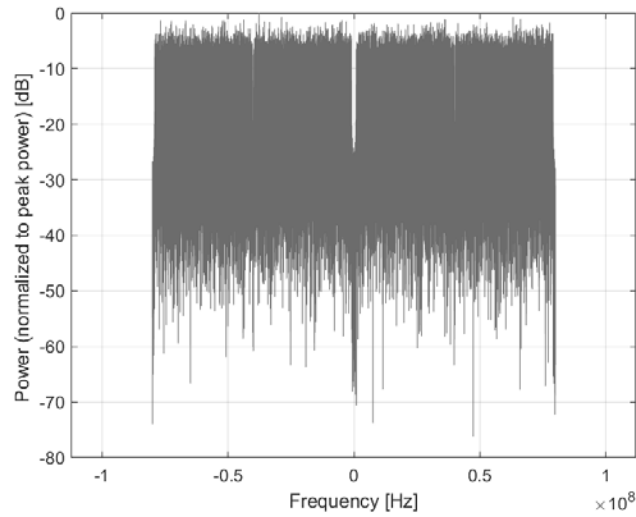
Detailed Specification: Bandwidth: 160MHz  
Duty Cycle: 99%  
Number of spatial stream: 1

Bandwidth: 160.0 MHz  
Integration Time: 0.4 ms

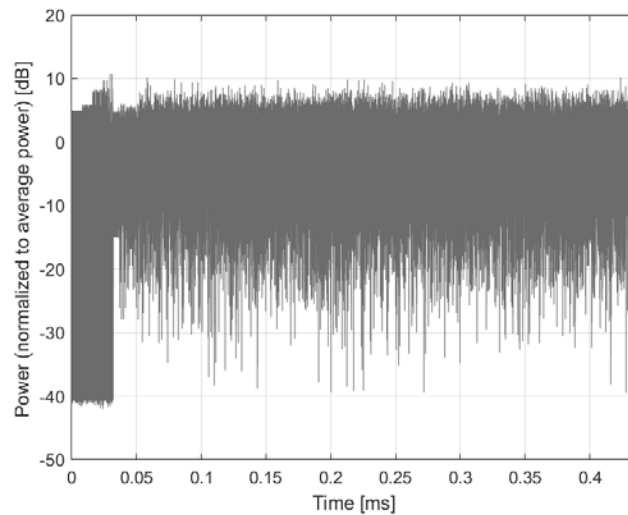
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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, 5 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 TDD  
UID: 10767-AAG

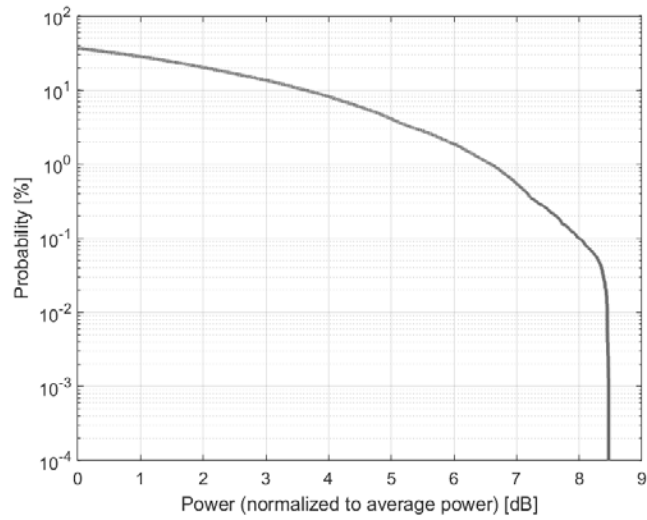
PAR: <sup>1</sup> **7.99 dB**  
MIF: <sup>2</sup> **-12.18 dB**

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 n48 (3550 - 3700 MHz)  
Band n50 (1432 - 1517 MHz)  
Band n51 (1427 - 1432 MHz)  
Band n53 (2483.5 - 2495 MHz)  
Band n101 (1900 - 1910 MHz)  
Validation band (0.0 - 6000.0 MHz)

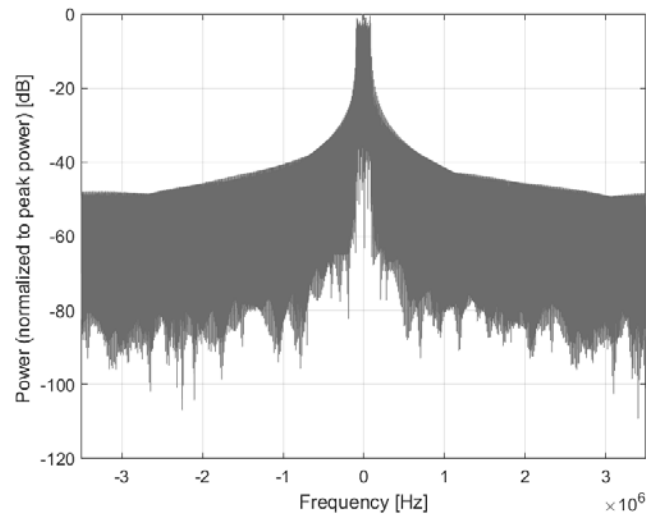
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 5.0 MHz  
Integration Time: 10.0 ms

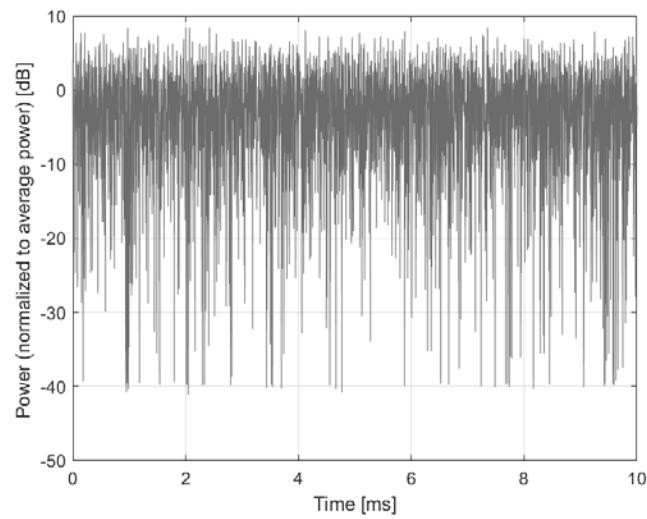
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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: **5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 TDD  
UID: 10768-AAE

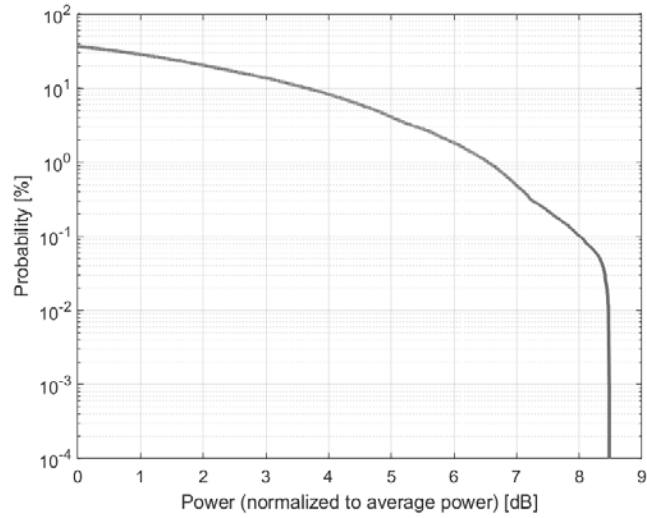
PAR: <sup>1</sup> **8.01 dB**  
MIF: <sup>2</sup> **-12.26 dB**

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 n53 (2483.5 - 2495 MHz)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n101 (1900 - 1910 MHz)  
Validation band (0.0 - 6000.0 MHz)

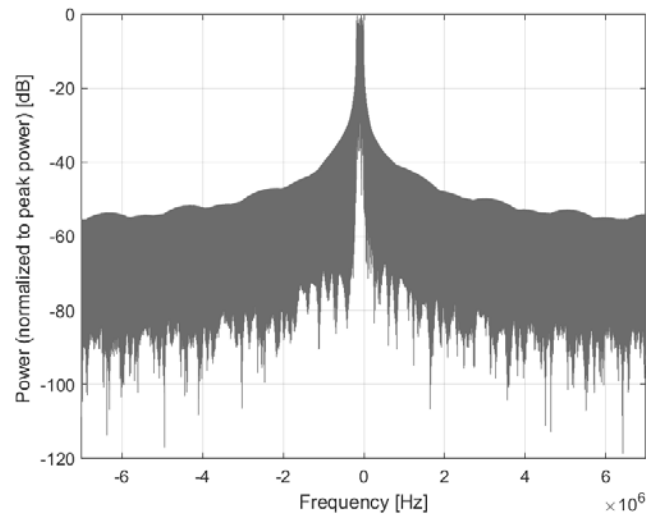
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 10.0 MHz  
Integration Time: 10.0 ms

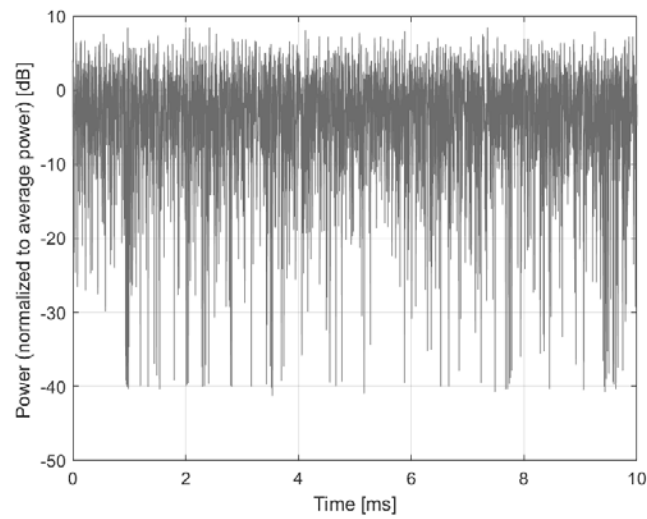
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same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



**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**



**Time Domain**



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

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

Group: 5G NR FR1 TDD  
UID: 10769-AAD

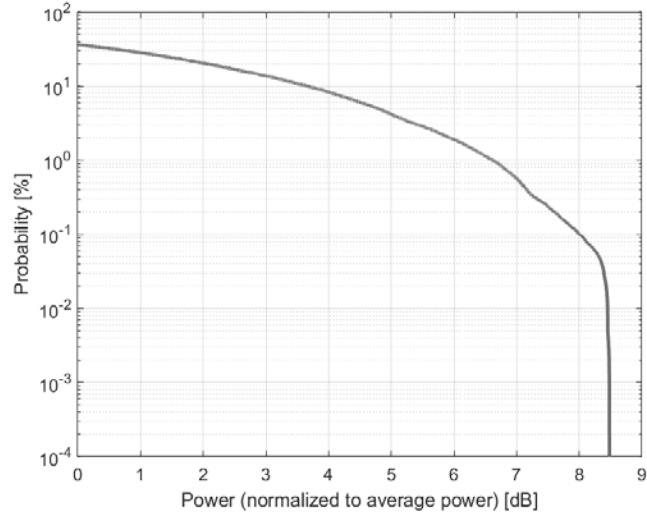
PAR: <sup>1</sup> **8.01 dB**  
MIF: <sup>2</sup> **-12.08 dB**

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 n90 (2496 - 2690 MHz)  
Validation band (0.0 - 6000.0 MHz)

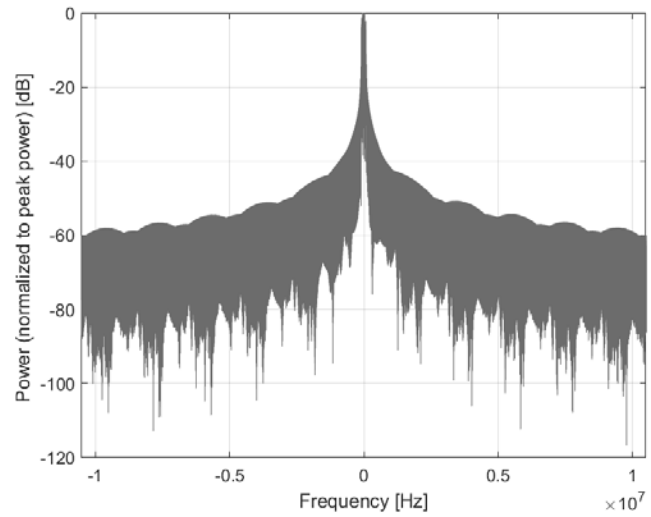
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 15.0 MHz  
Integration Time: 10.0 ms

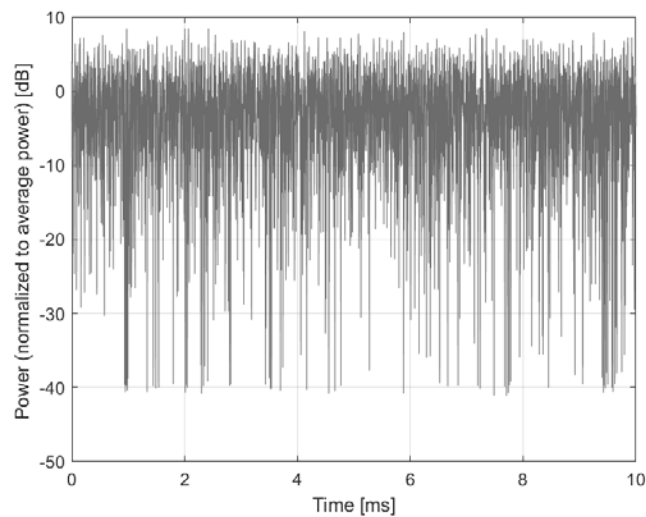
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same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



**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**



**Time Domain**

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

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

Group: 5G NR FR1 TDD  
UID: 10770-AAE

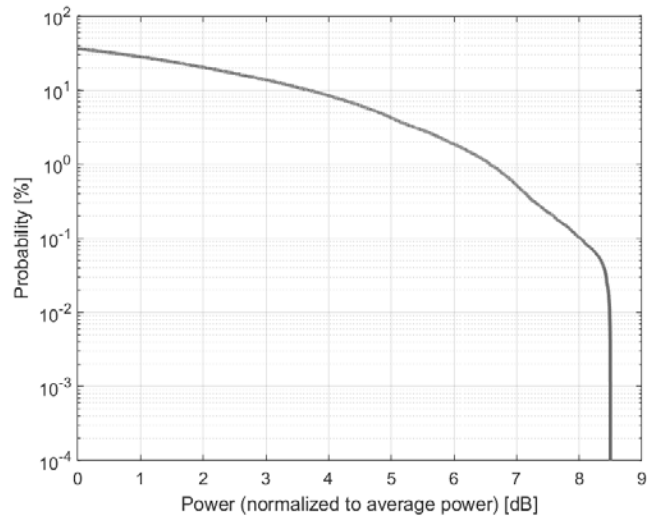
PAR: <sup>1</sup> **8.02 dB**  
MIF: <sup>2</sup> **-12.20 dB**

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 n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

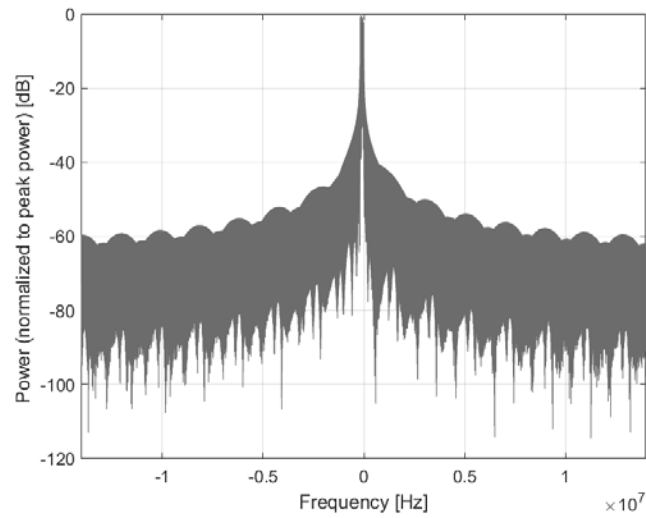
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 20.0 MHz  
Integration Time: 10.0 ms

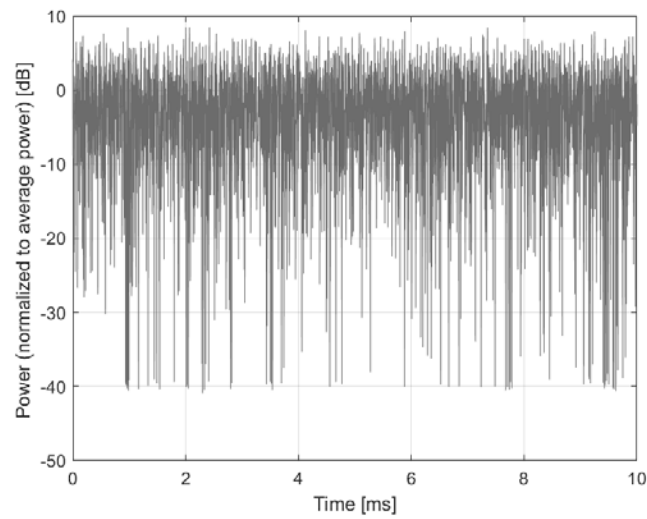
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 TDD  
UID: 10771-AAD

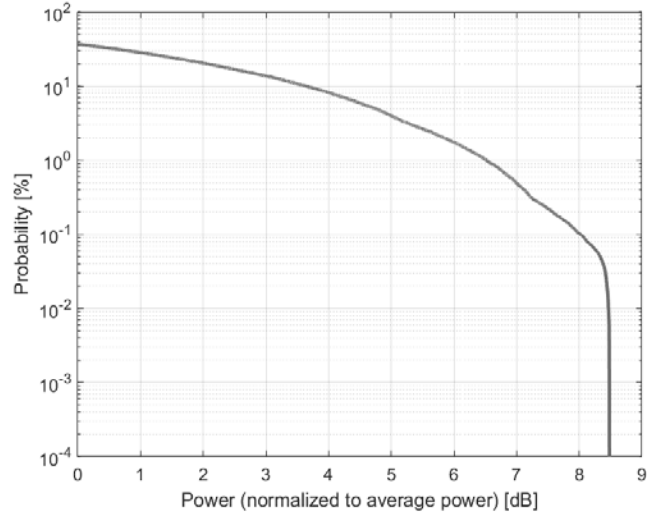
PAR: <sup>1</sup> **8.02 dB**  
MIF: <sup>2</sup> **-12.22 dB**

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 n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
Validation band (0.0 - 6000.0 MHz)

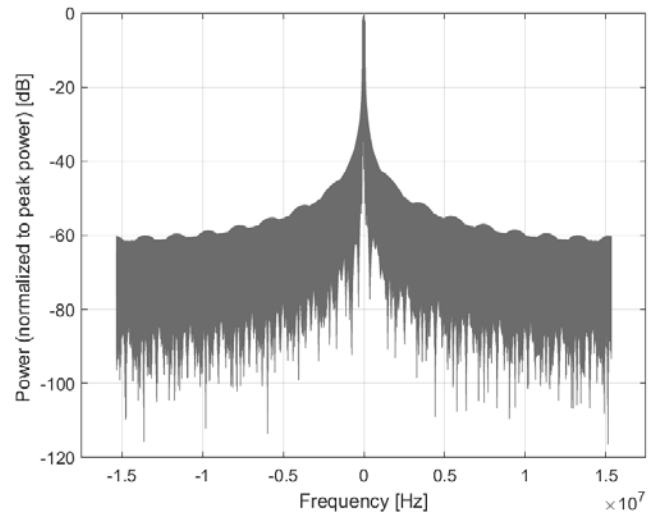
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 25.0 MHz  
Integration Time: 10.0 ms

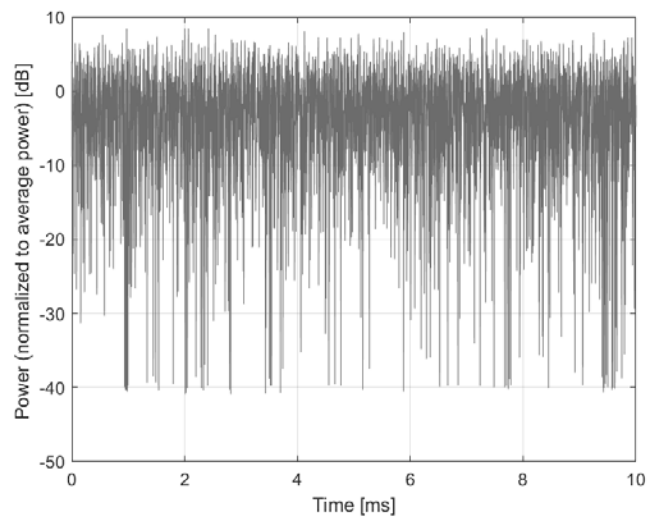
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 TDD  
UID: 10772-AAE

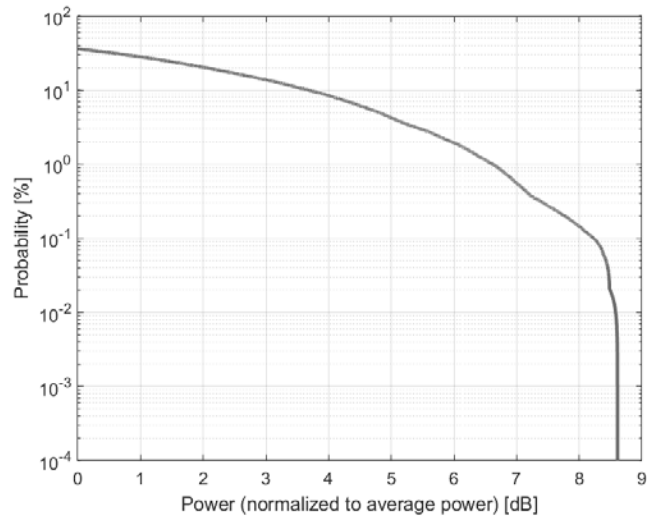
PAR: <sup>1</sup> **8.23 dB**  
MIF: <sup>2</sup> **-12.20 dB**

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 n50 (1432 - 1517 MHz)  
Band n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

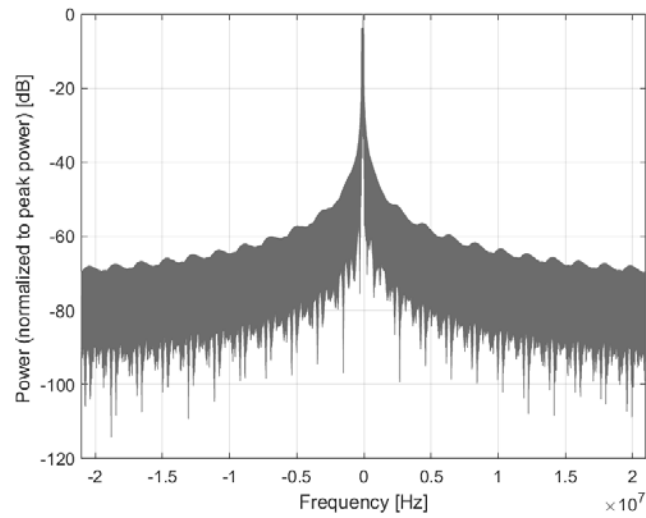
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 30.0 MHz  
Integration Time: 10.0 ms

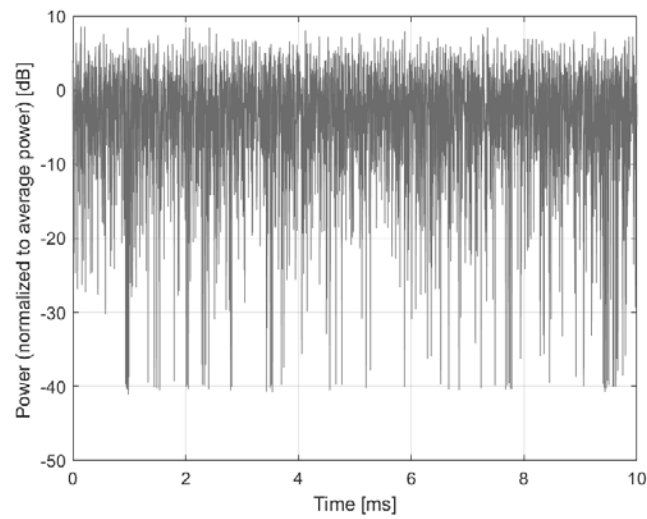
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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: **5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 TDD  
UID: 10773-AAF

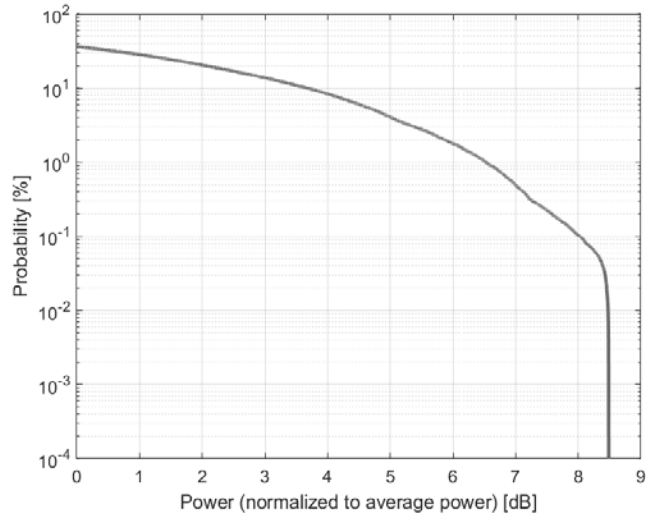
PAR: <sup>1</sup> **8.03 dB**  
MIF: <sup>2</sup> **-12.13 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

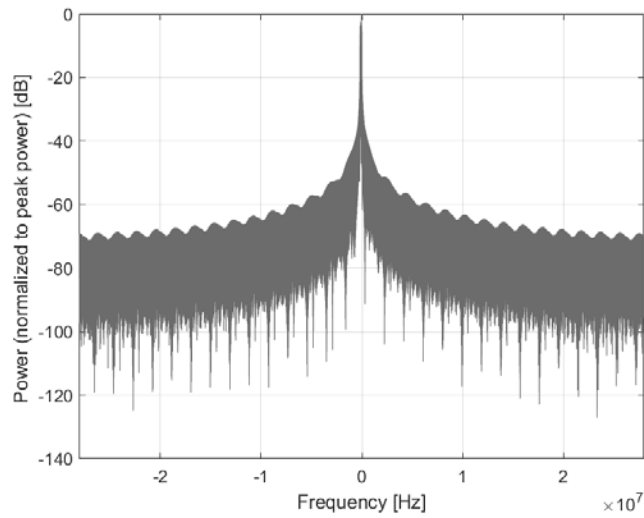
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 40.0 MHz  
Integration Time: 10.0 ms

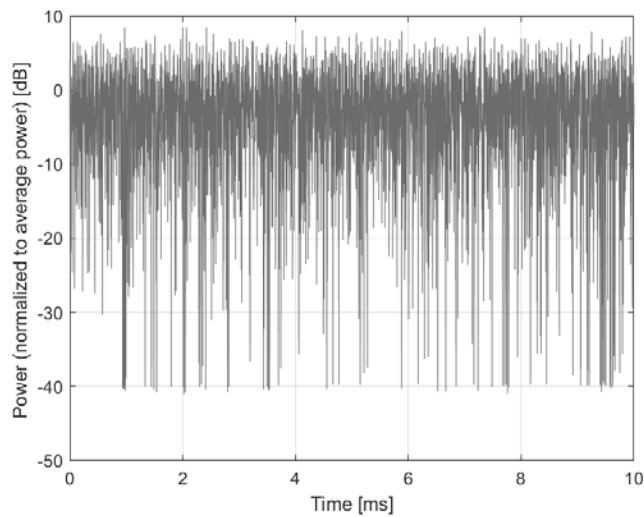
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 TDD  
UID: 10774-AAE

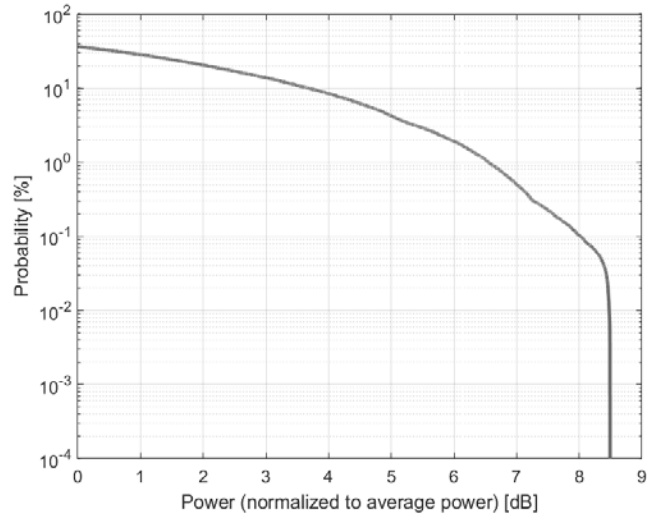
PAR:<sup>1</sup> **8.02 dB**  
MIF:<sup>2</sup> **-12.25 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

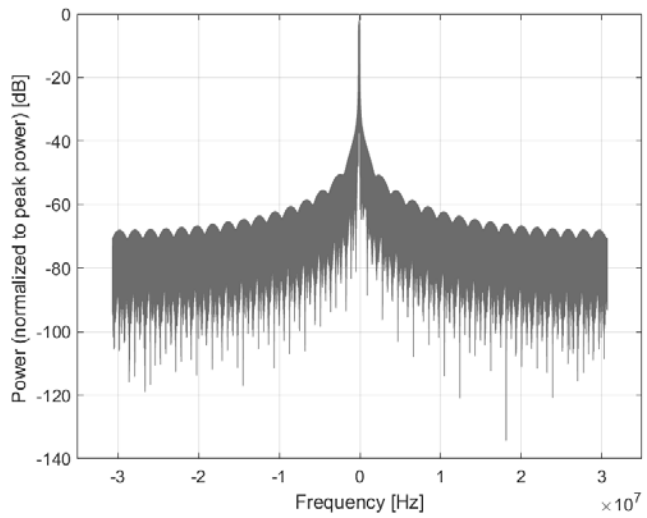
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 50.0 MHz  
Integration Time: 10.0 ms

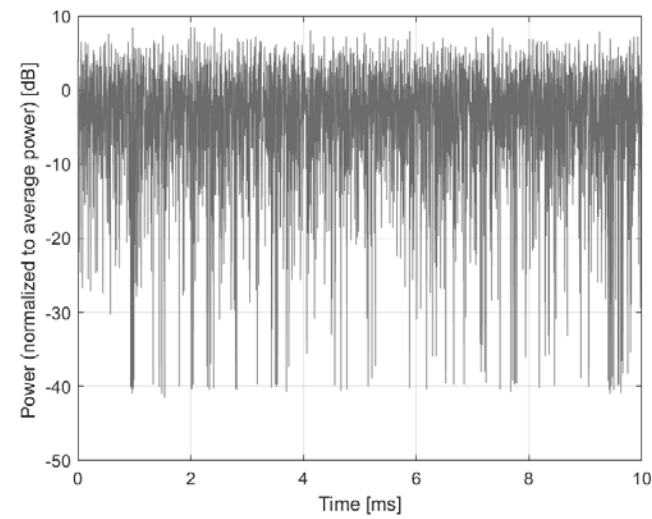
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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, 50% RB, 5 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 TDD  
UID: 10775-AAF

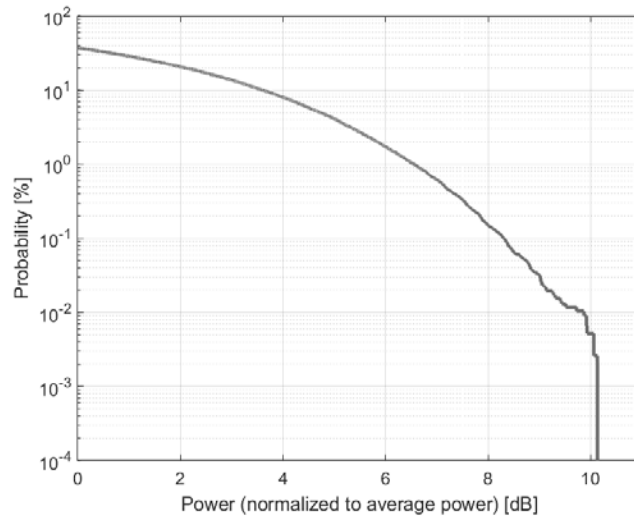
PAR: <sup>1</sup> **8.31 dB**  
MIF: <sup>2</sup> **-18.51 dB**

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 n48 (3550 - 3700 MHz)  
Band n50 (1432 - 1517 MHz)  
Band n51 (1427 - 1432 MHz)  
Band n53 (2483.5 - 2495 MHz)  
Band n101 (1900 - 1910 MHz)  
Validation band (0.0 - 6000.0 MHz)

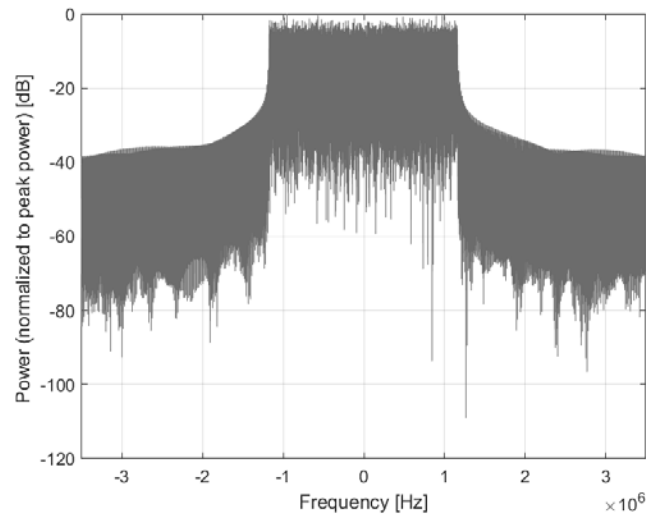
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 13  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 5.0 MHz  
Integration Time: 10.0 ms

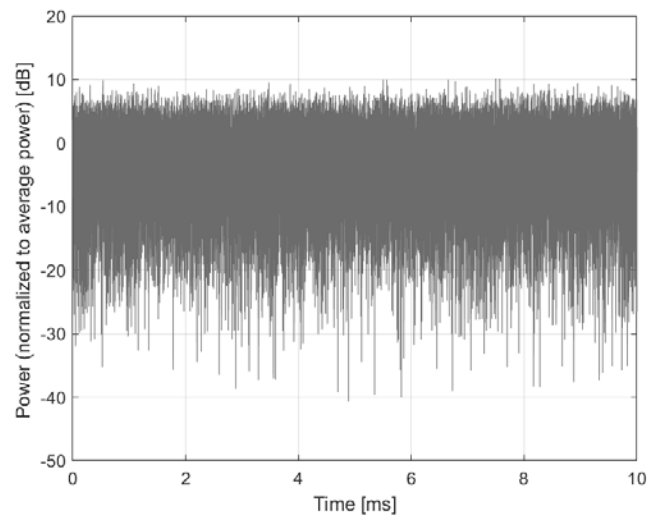
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 TDD  
UID: 10776-AAE

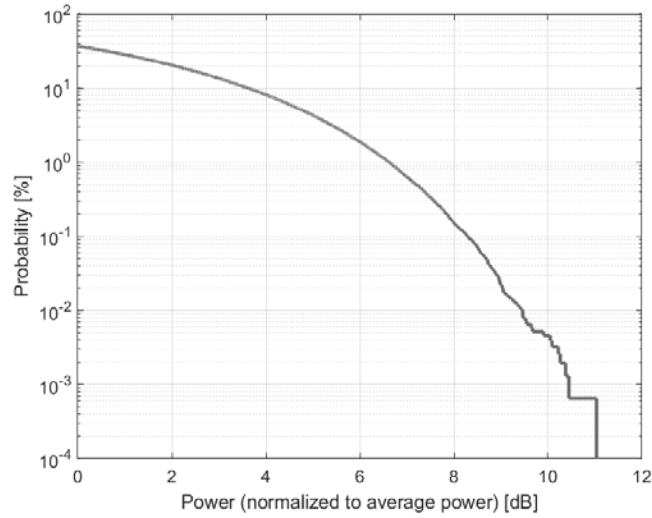
PAR: <sup>1</sup> **8.30 dB**  
MIF: <sup>2</sup> **-19.01 dB**

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 n53 (2483.5 - 2495 MHz)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n101 (1900 - 1910 MHz)  
Validation band (0.0 - 6000.0 MHz)

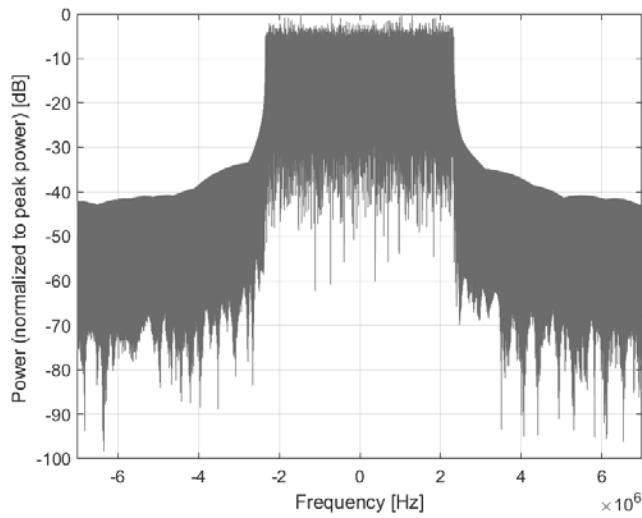
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 26  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 10.0 MHz  
Integration Time: 10.0 ms

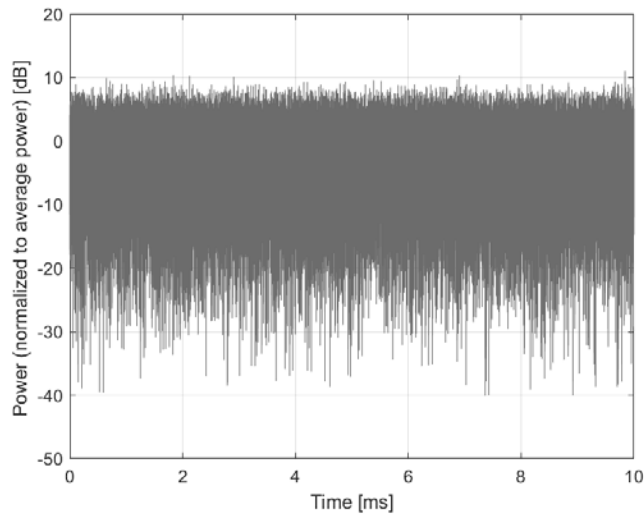
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 TDD  
UID: 10777-AAC

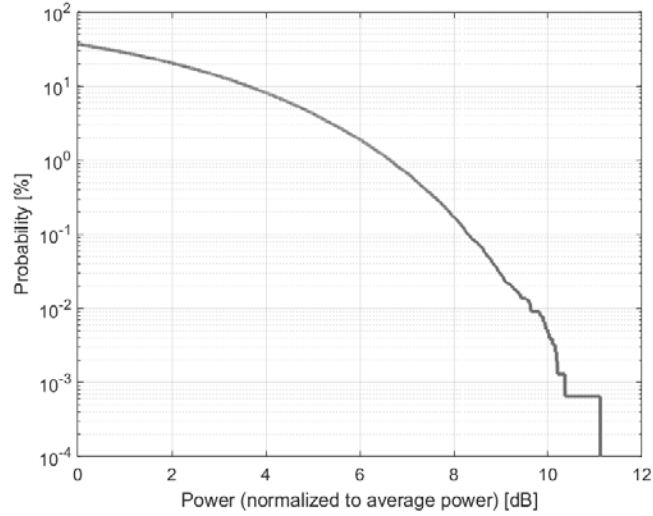
PAR:<sup>1</sup> **8.30 dB**  
MIF:<sup>2</sup> **-19.80 dB**

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 n90 (2496 - 2690 MHz)  
Validation band (0.0 - 6000.0 MHz)

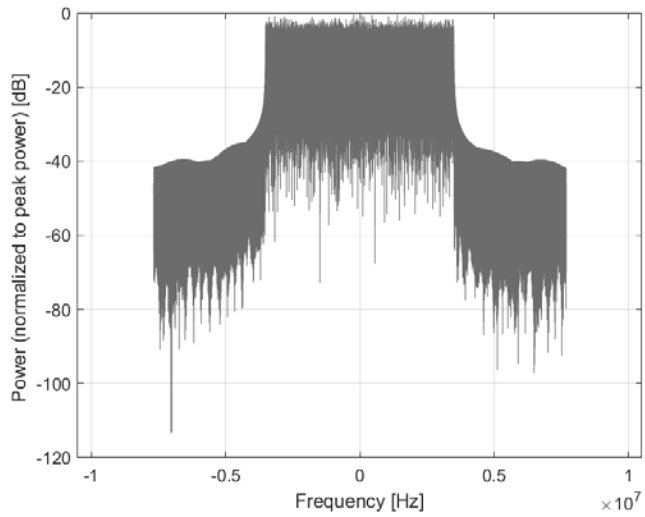
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 39  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 15.0 MHz  
Integration Time: 10.0 ms

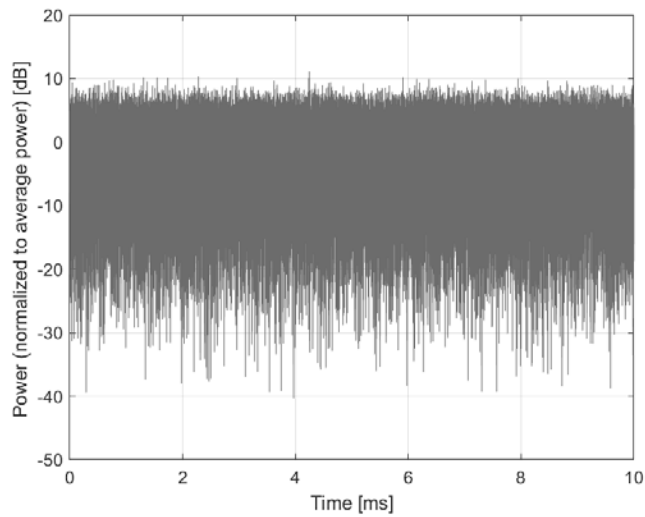
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 TDD  
UID: 10778-AAE

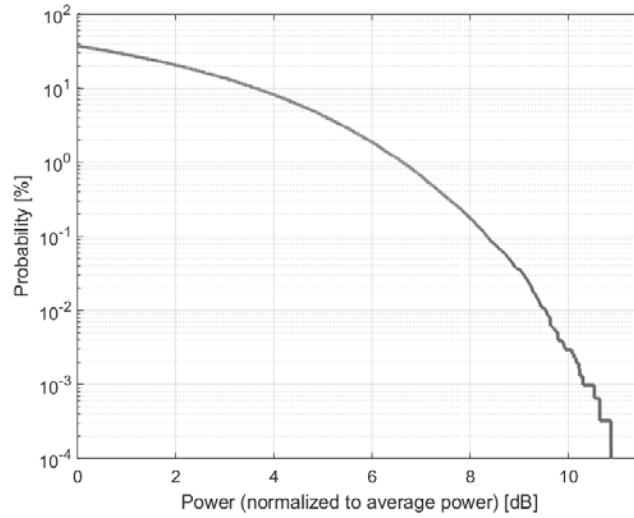
PAR: <sup>1</sup> **8.34 dB**  
MIF: <sup>2</sup> **-20.71 dB**

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 n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

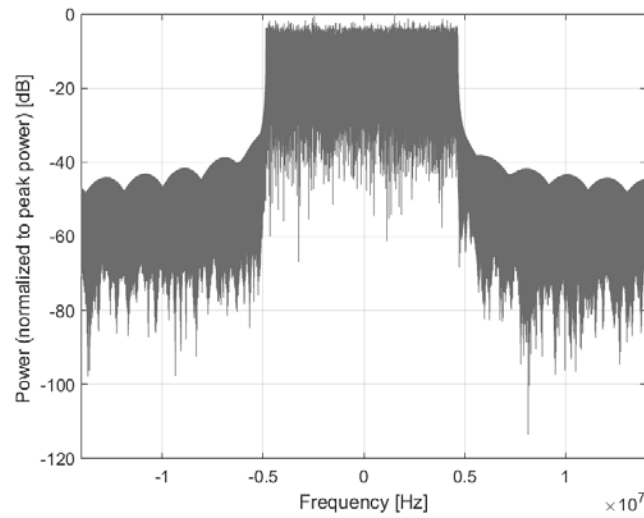
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 53  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 20.0 MHz  
Integration Time: 10.0 ms

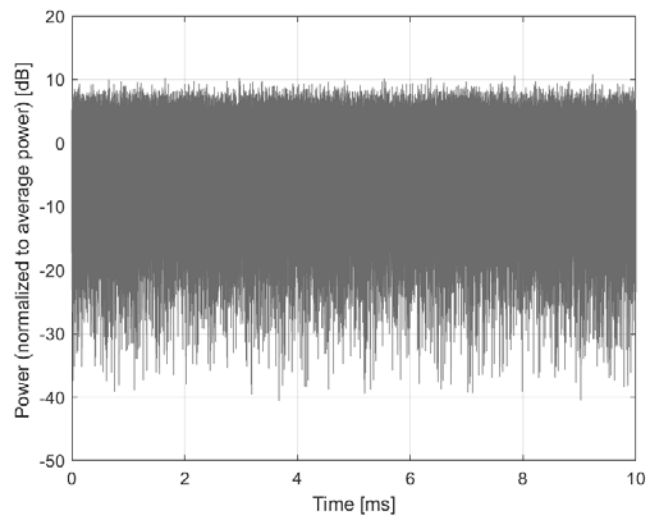
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 TDD  
UID: 10779-AAC

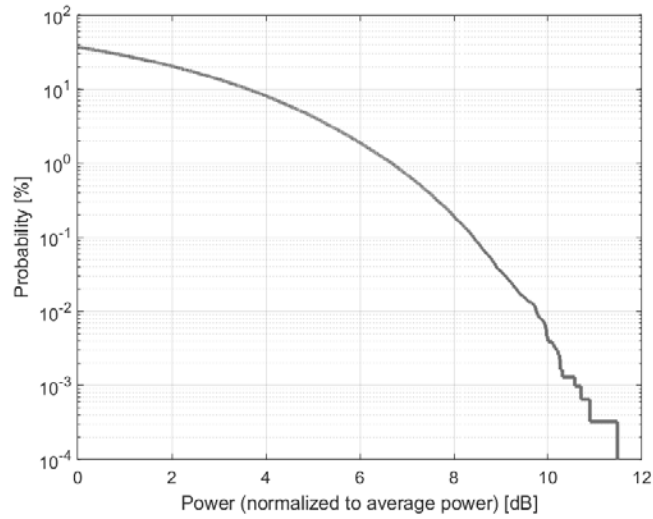
PAR:<sup>1</sup> **8.42 dB**  
MIF:<sup>2</sup> **-20.99 dB**

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 n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
Validation band (0.0 - 6000.0 MHz)

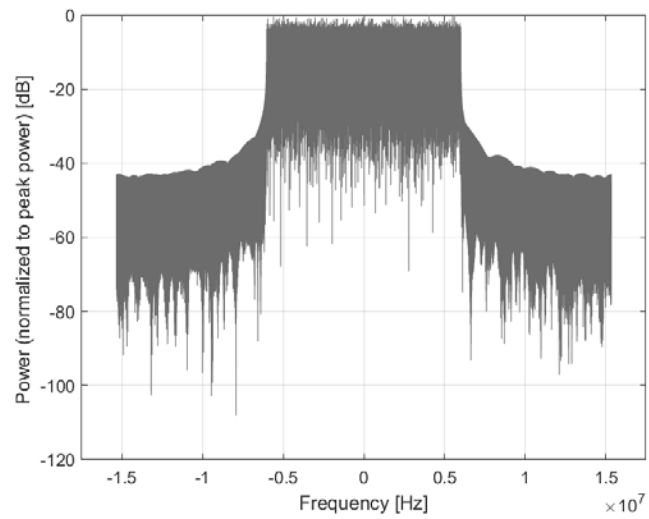
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 67  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 25.0 MHz  
Integration Time: 10.0 ms

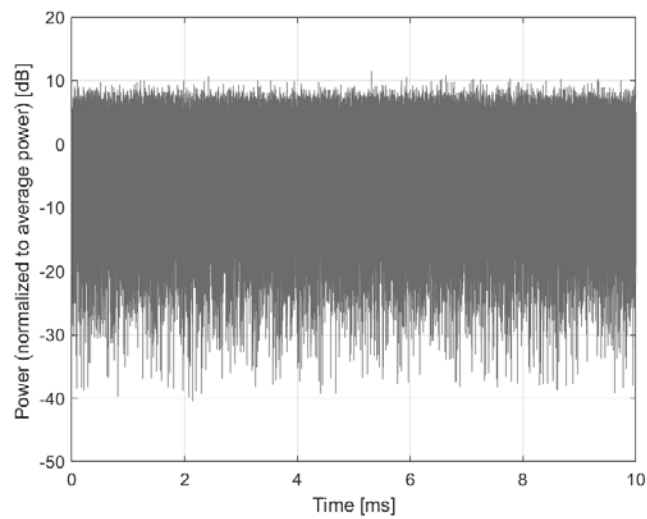
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 TDD  
UID: 10780-AAE

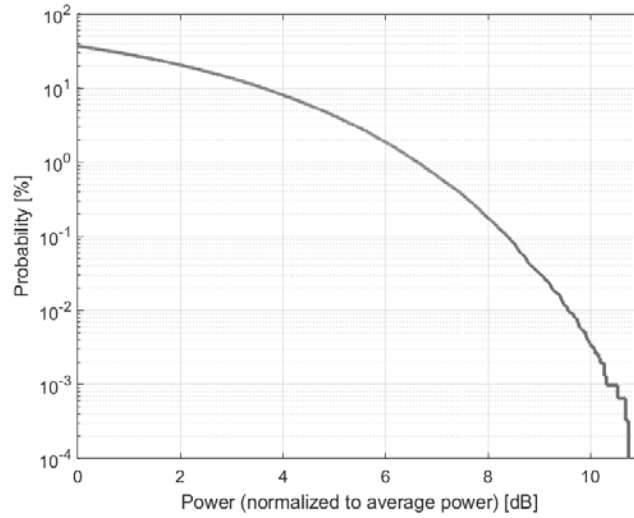
PAR: <sup>1</sup> **8.38 dB**  
MIF: <sup>2</sup> **-21.75 dB**

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 n50 (1432 - 1517 MHz)  
Band n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

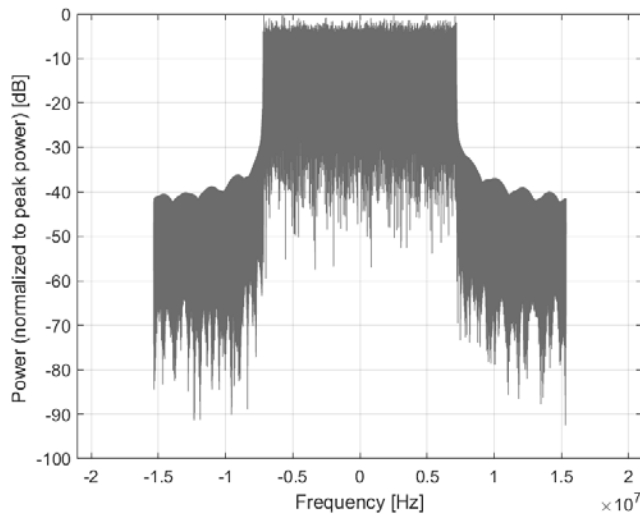
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 80  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 30.0 MHz  
Integration Time: 10.0 ms

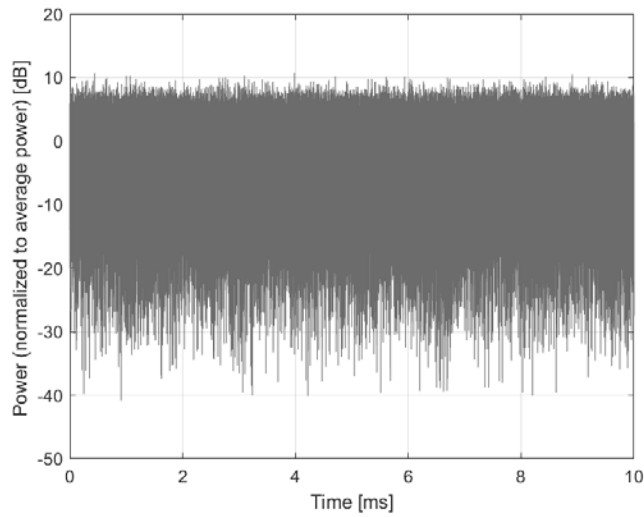
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 TDD  
UID: 10781-AAF

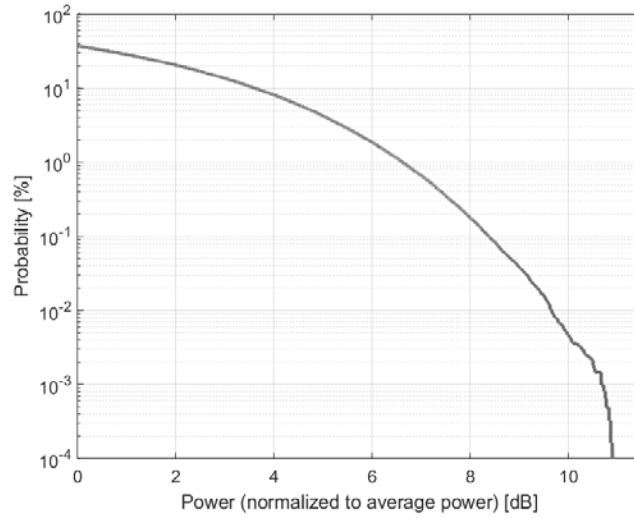
PAR: <sup>1</sup> **8.38 dB**  
MIF: <sup>2</sup> **-22.40 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

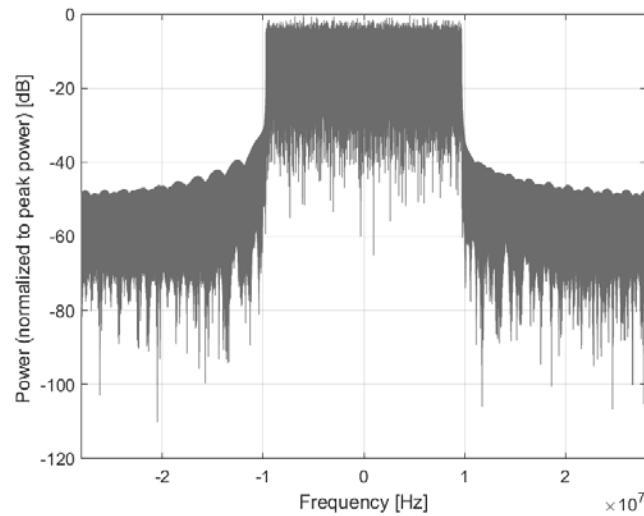
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 108  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 40.0 MHz  
Integration Time: 10.0 ms

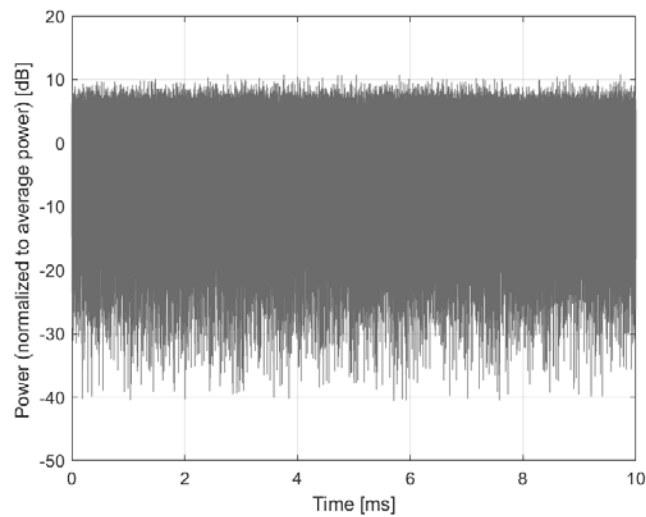
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 TDD  
UID: 10782-AAE

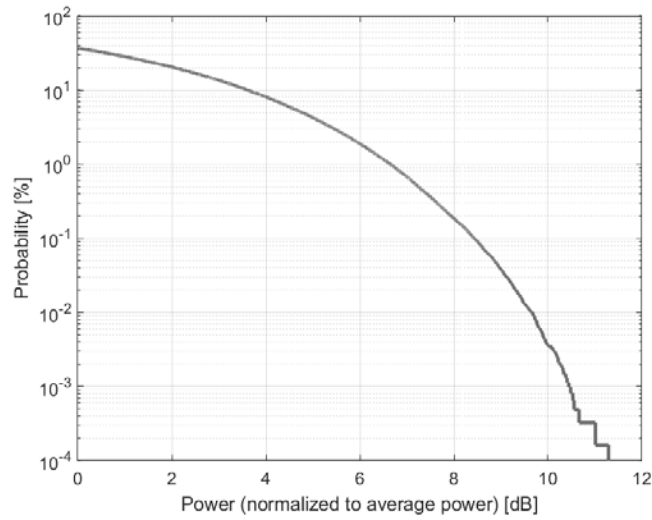
PAR: <sup>1</sup> **8.43 dB**  
MIF: <sup>2</sup> **-23.16 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

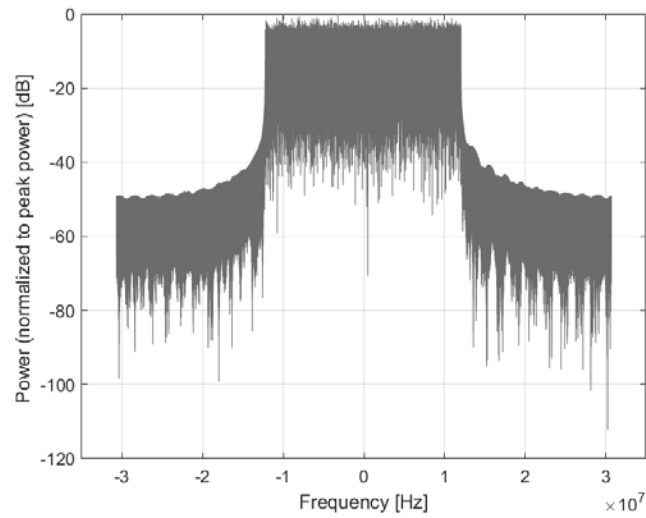
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 135  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 50.0 MHz  
Integration Time: 10.0 ms

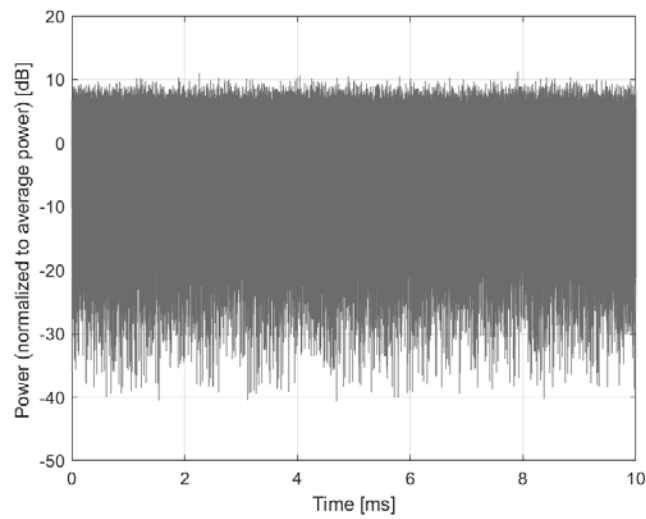
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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, 5 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 TDD  
UID: 10783-AAG

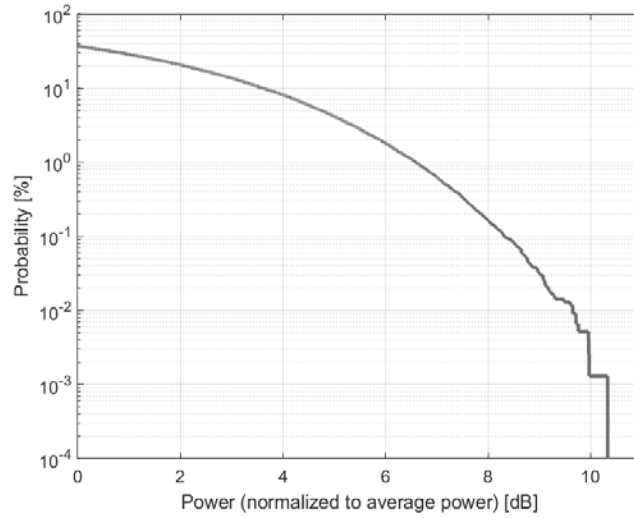
PAR: <sup>1</sup> **8.31 dB**  
MIF: <sup>2</sup> **-18.84 dB**

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 n48 (3550 - 3700 MHz)  
Band n50 (1432 - 1517 MHz)  
Band n51 (1427 - 1432 MHz)  
Band n53 (2483.5 - 2495 MHz)  
Band n101 (1900 - 1910 MHz)  
Validation band (0.0 - 6000.0 MHz)

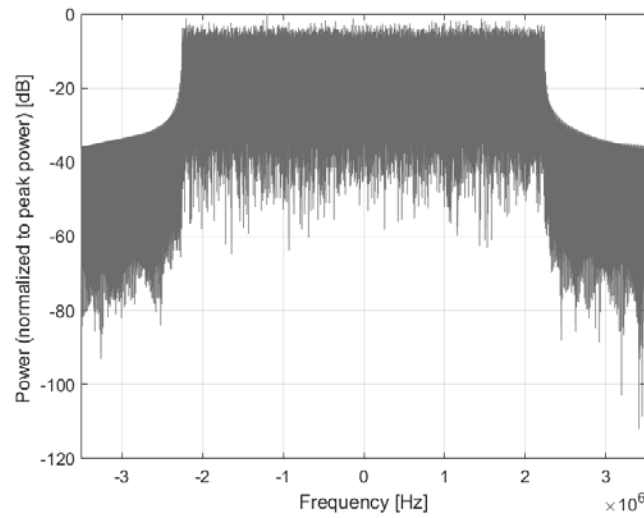
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 25  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 5.0 MHz  
Integration Time: 10.0 ms

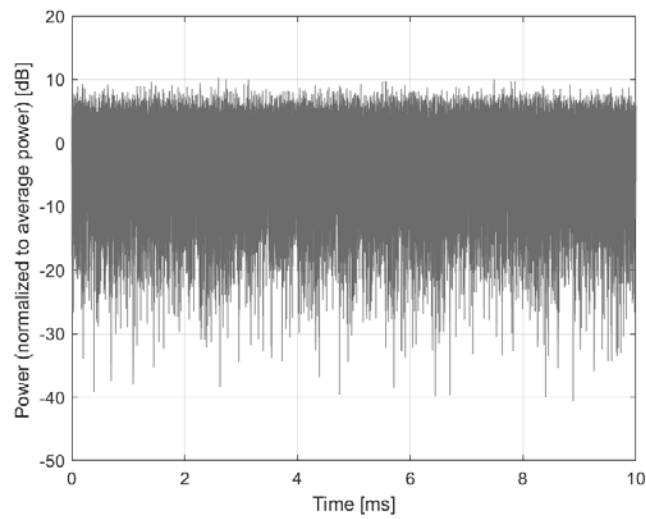
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 TDD  
UID: 10784-AAE

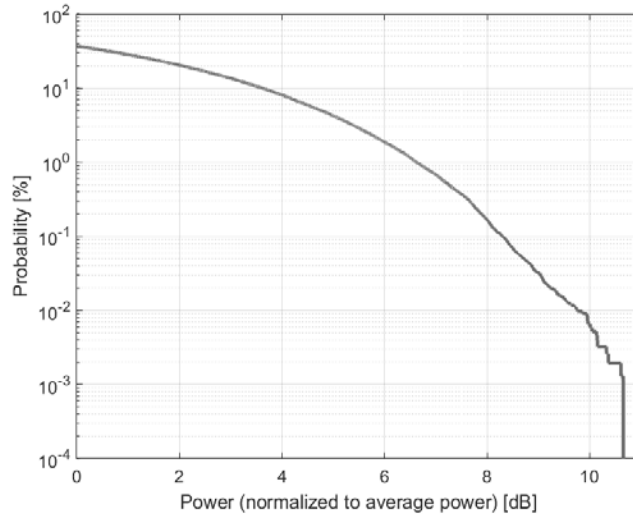
PAR: <sup>1</sup> **8.29 dB**  
MIF: <sup>2</sup> **-20.70 dB**

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 n53 (2483.5 - 2495 MHz)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n101 (1900 - 1910 MHz)  
Validation band (0.0 - 6000.0 MHz)

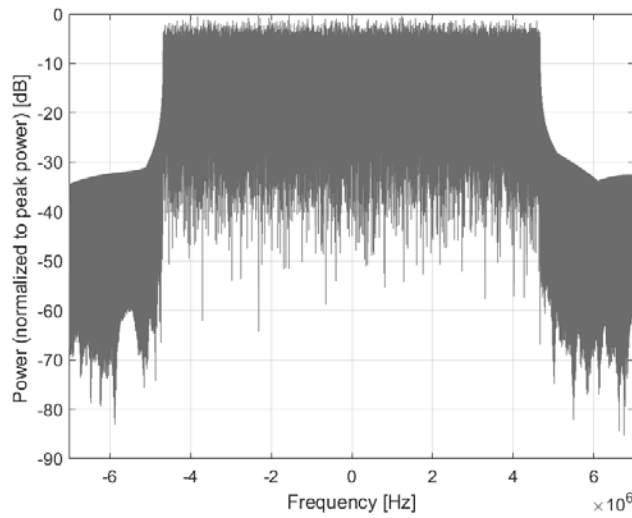
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 52  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 10.0 MHz  
Integration Time: 10.0 ms

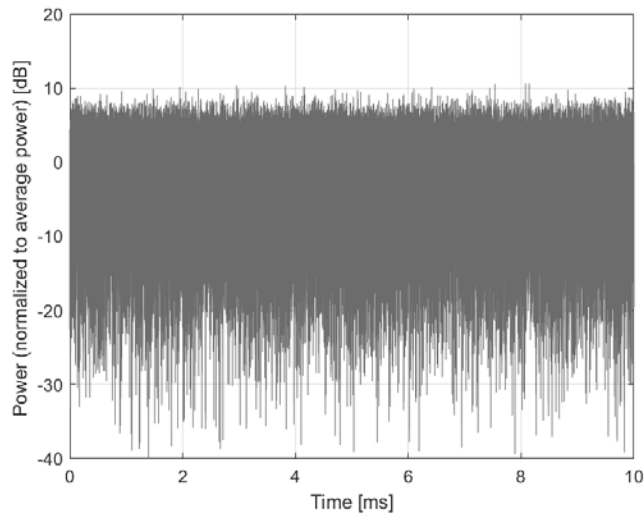
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 TDD  
UID: 10785-AAD

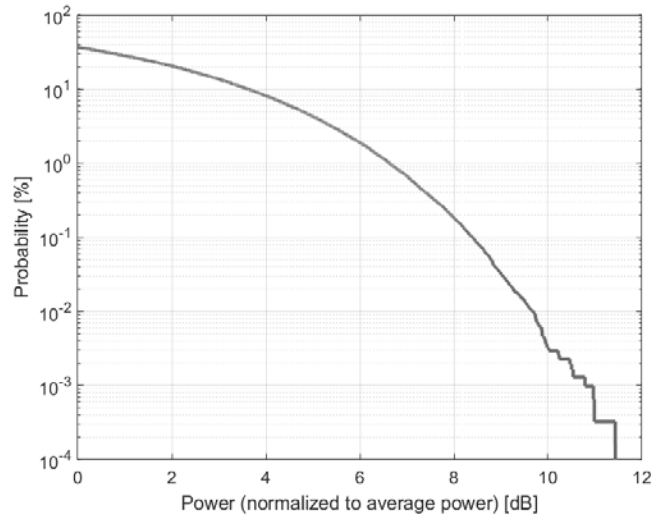
PAR: <sup>1</sup> **8.40 dB**  
MIF: <sup>2</sup> **-21.52 dB**

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 n90 (2496 - 2690 MHz)  
Validation band (0.0 - 6000.0 MHz)

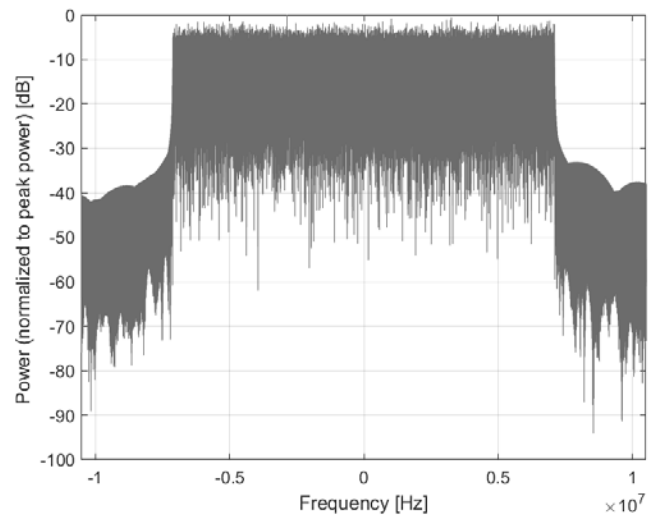
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 79  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 15.0 MHz  
Integration Time: 10.0 ms

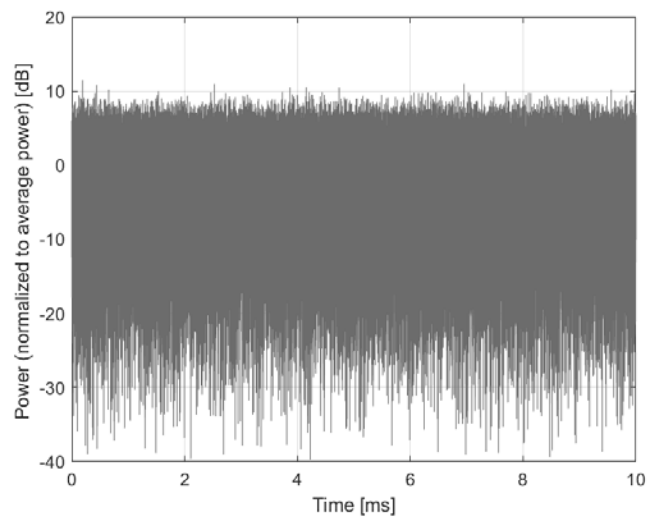
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same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



**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**

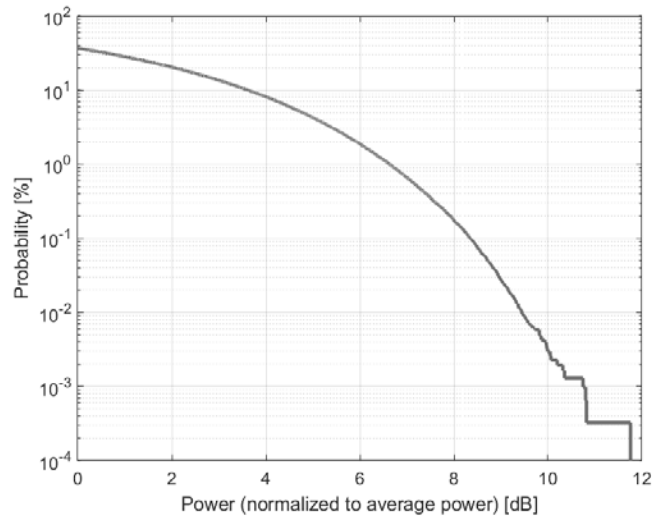


**Time Domain**

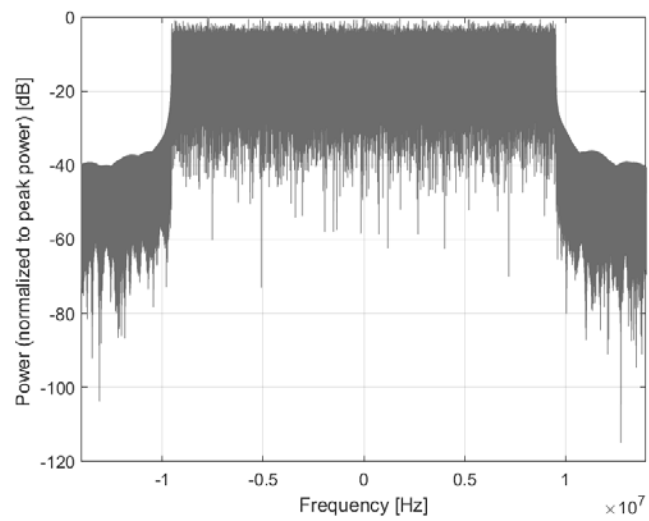
**Calibration Laboratory of  
Schmid & Partner  
Engineering AG**  
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name:	<b>5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)</b>
Group:	5G NR FR1 TDD
UID:	10786-AAE
PAR: <sup>1</sup>	<b>8.35 dB</b>
MIF: <sup>2</sup>	<b>-22.47 dB</b>
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 n90 (2496 - 2690 MHz) Band n47 (5855 - 5925 MHz) Band n46 (5150 - 5925 MHz) Band n96 (5925 - 7125 MHz) Band n102 (5925 - 6425 MHz) Band n104 (6425 - 7125 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Multiplexing Scheme: CP-OFDM Modulation Scheme: QPSK Subcarrier Spacing: 15 kHz Number RBs: 106 Slot Format Index: 1 Data Type: PN9
Bandwidth:	20.0 MHz
Integration Time:	10.0 ms

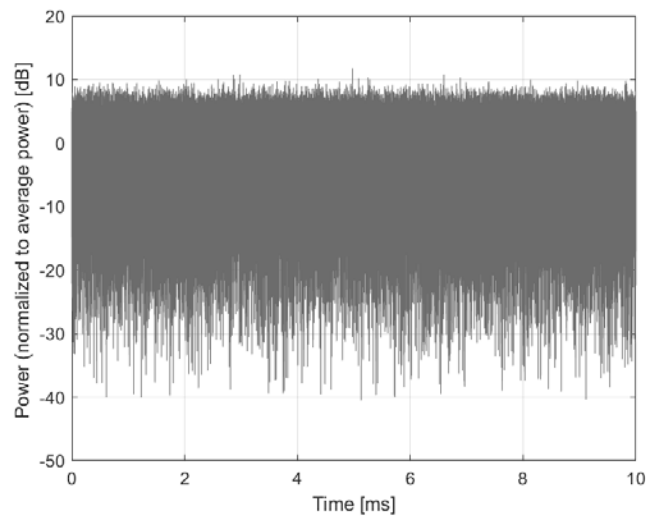
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 TDD  
UID: 10787-AAD

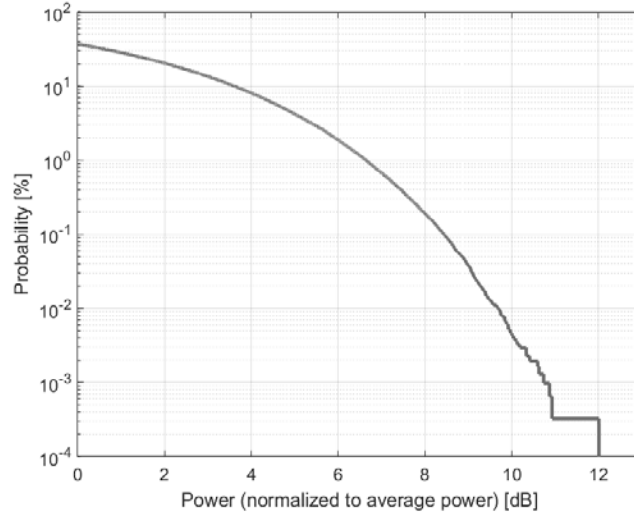
PAR:<sup>1</sup> **8.44 dB**  
MIF:<sup>2</sup> **-22.72 dB**

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 n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
Validation band (0.0 - 6000.0 MHz)

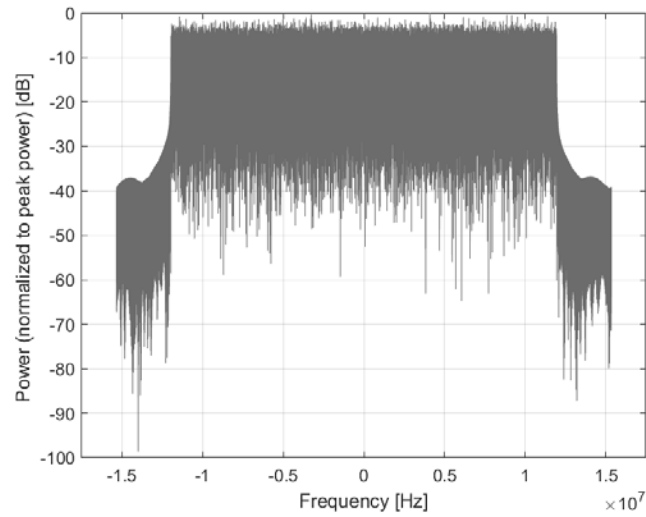
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 133  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 25.0 MHz  
Integration Time: 10.0 ms

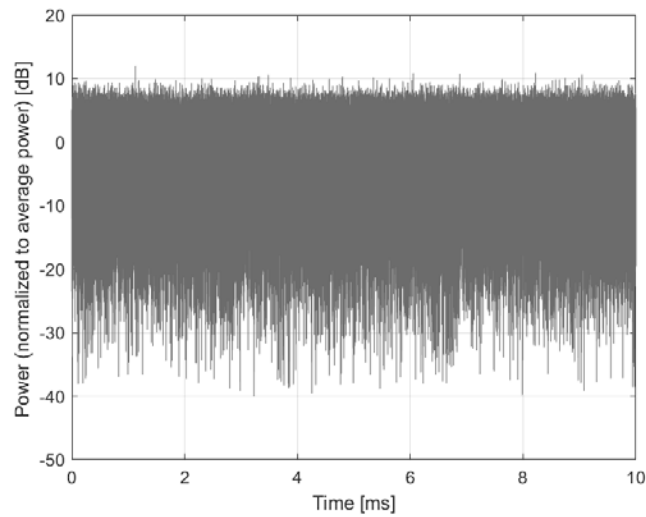
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 TDD  
UID: 10788-AAE

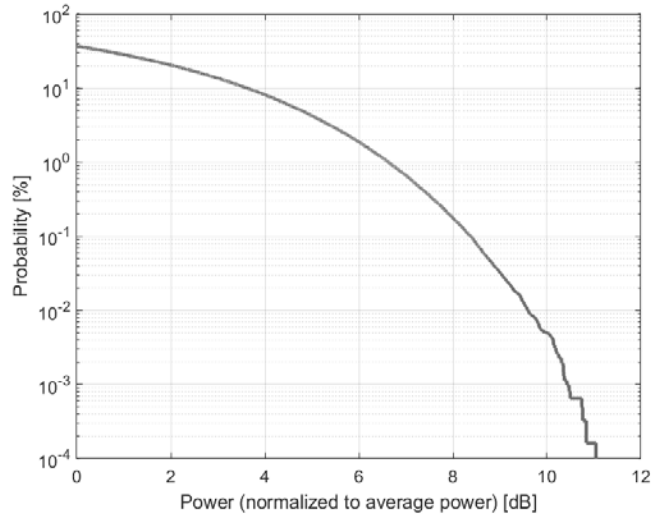
PAR: <sup>1</sup> **8.39 dB**  
MIF: <sup>2</sup> **-22.83 dB**

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 n50 (1432 - 1517 MHz)  
Band n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

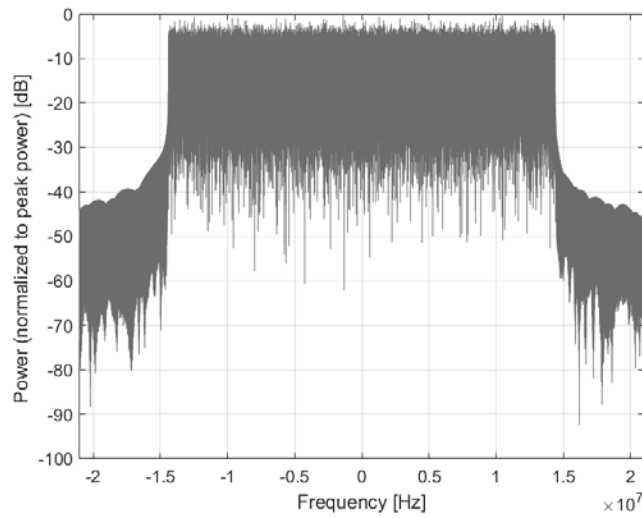
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 160  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 30.0 MHz  
Integration Time: 10.0 ms

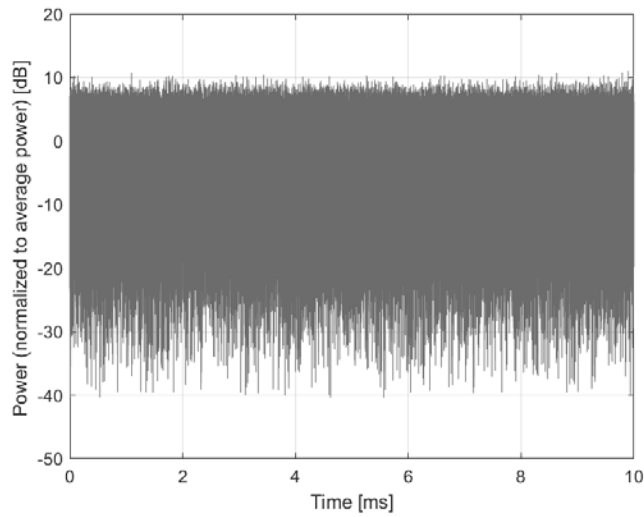
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 TDD  
UID: 10789-AAF

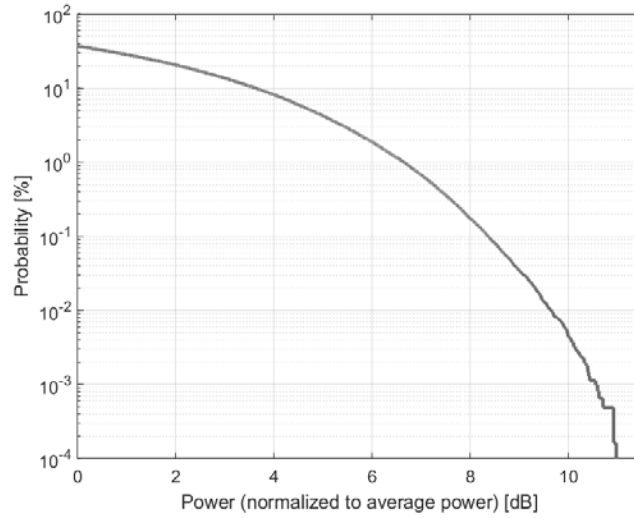
PAR: <sup>1</sup> **8.37 dB**  
MIF: <sup>2</sup> **-23.29 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

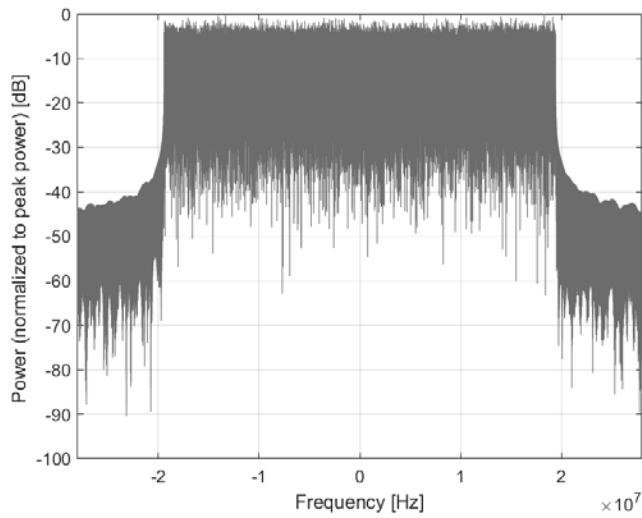
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 216  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 40.0 MHz  
Integration Time: 10.0 ms

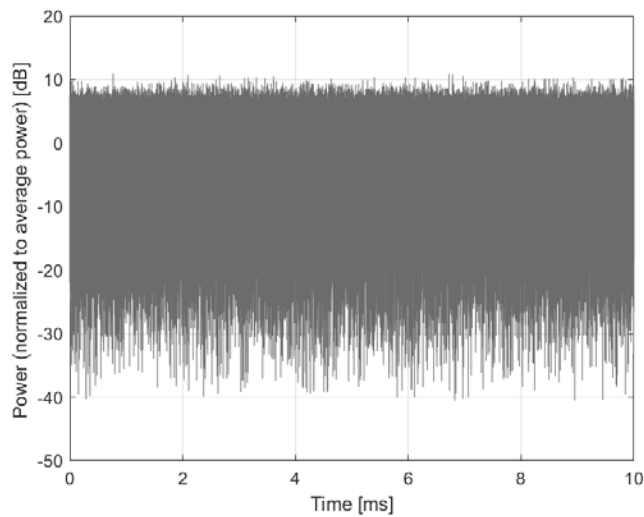
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)**

Group: 5G NR FR1 TDD  
UID: 10790-AAE

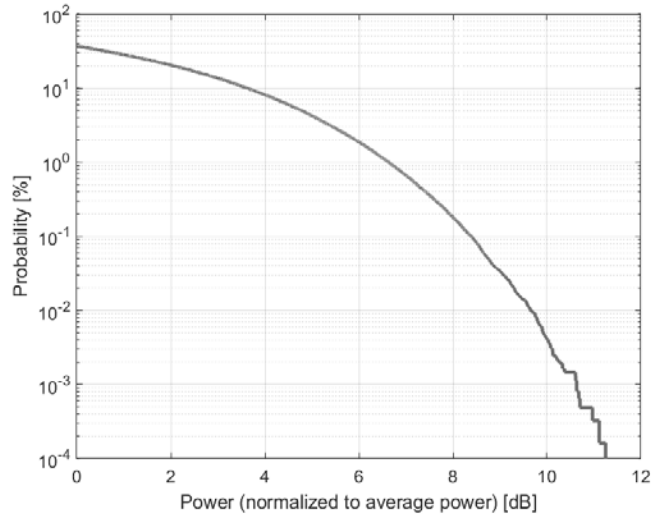
PAR: <sup>1</sup> **8.39 dB**  
MIF: <sup>2</sup> **-23.84 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

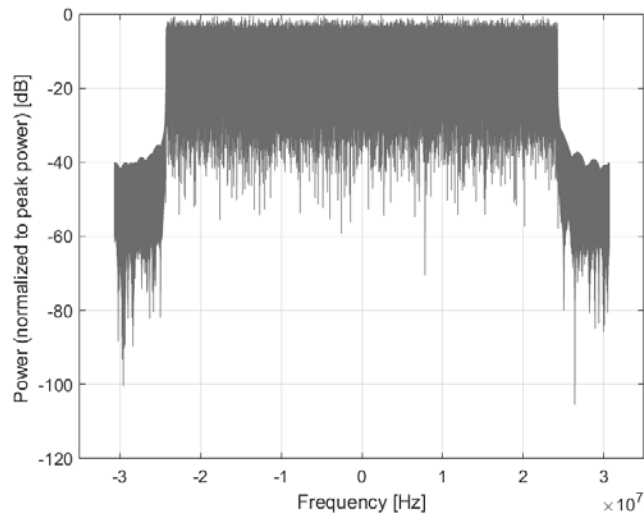
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 15 kHz  
Number RBs: 270  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 50.0 MHz  
Integration Time: 10.0 ms

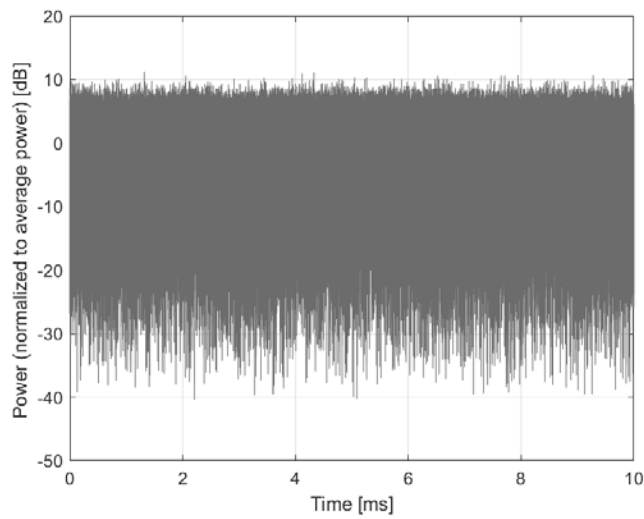
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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, 5 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10791-AAG

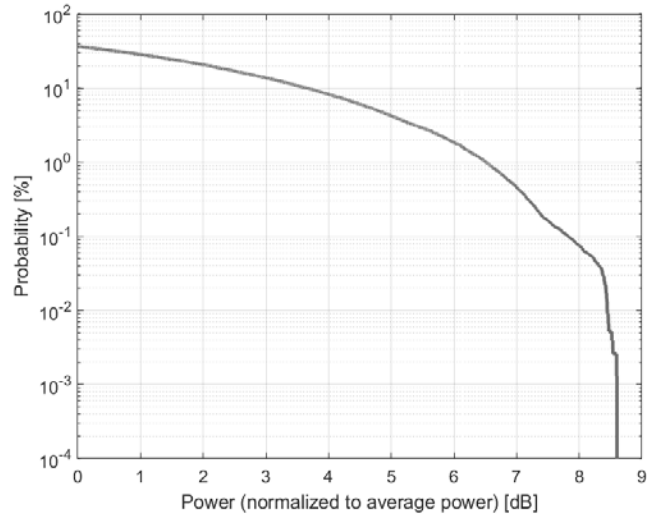
PAR: <sup>1</sup> **7.83 dB**  
MIF: <sup>2</sup> **-14.39 dB**

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 n48 (3550 - 3700 MHz)  
Band n50 (1432 - 1517 MHz)  
Band n51 (1427 - 1432 MHz)  
Band n53 (2483.5 - 2495 MHz)  
Band n101 (1900 - 1910 MHz)  
Validation band (0.0 - 6000.0 MHz)

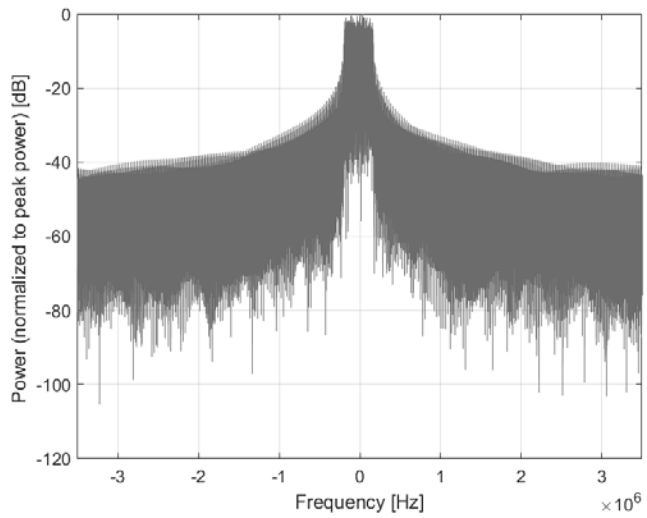
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 5.0 MHz  
Integration Time: 10.0 ms

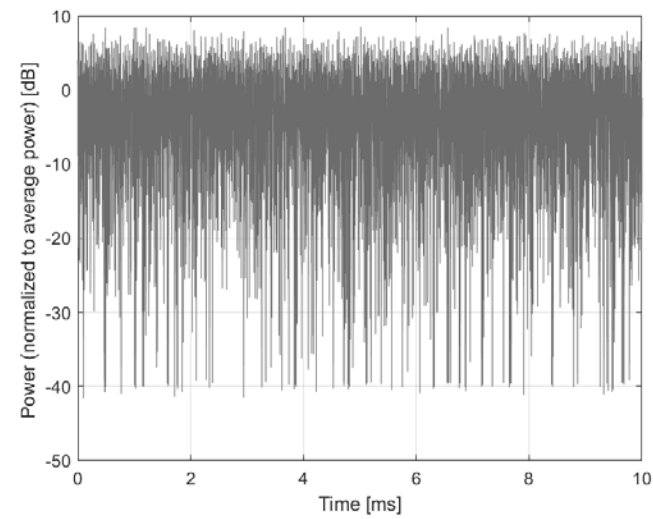
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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: **5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10792-AAE

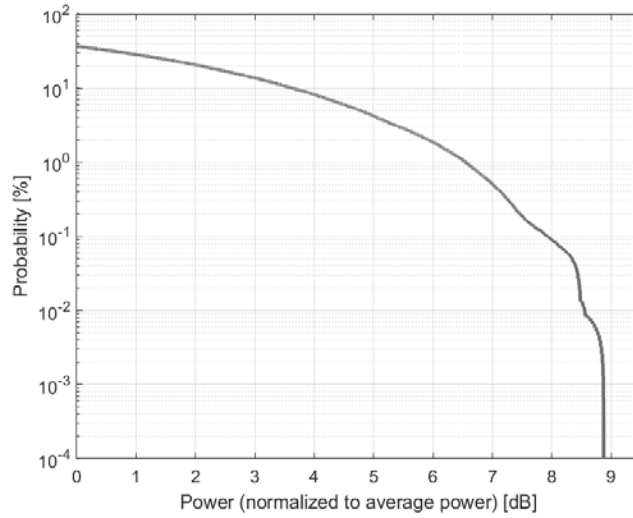
PAR: <sup>1</sup> **7.92 dB**  
MIF: <sup>2</sup> **-14.47 dB**

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 n53 (2483.5 - 2495 MHz)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n101 (1900 - 1910 MHz)  
Validation band (0.0 - 6000.0 MHz)

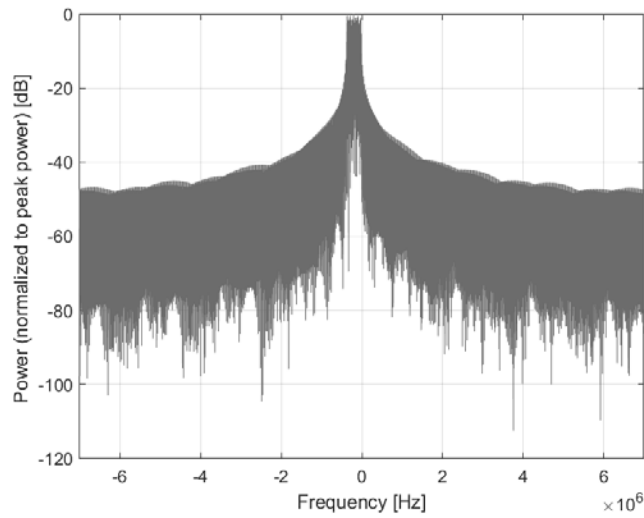
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 10.0 MHz  
Integration Time: 10.0 ms

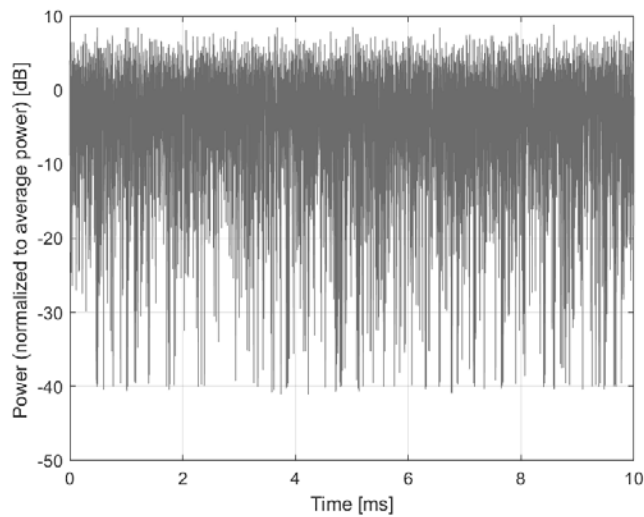
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10793-AAD

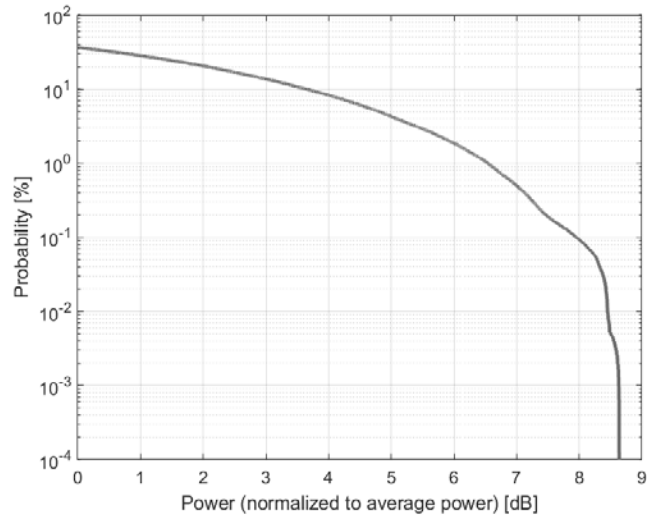
PAR:<sup>1</sup> **7.95 dB**  
MIF:<sup>2</sup> **-14.33 dB**

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 n90 (2496 - 2690 MHz)  
Validation band (0.0 - 6000.0 MHz)

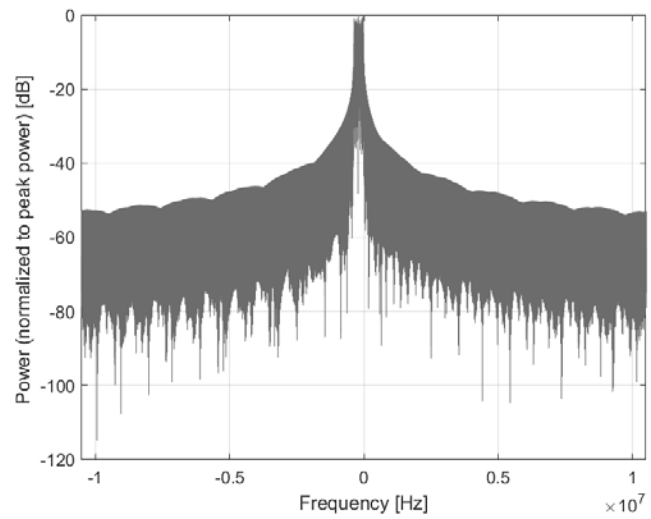
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 15.0 MHz  
Integration Time: 10.0 ms

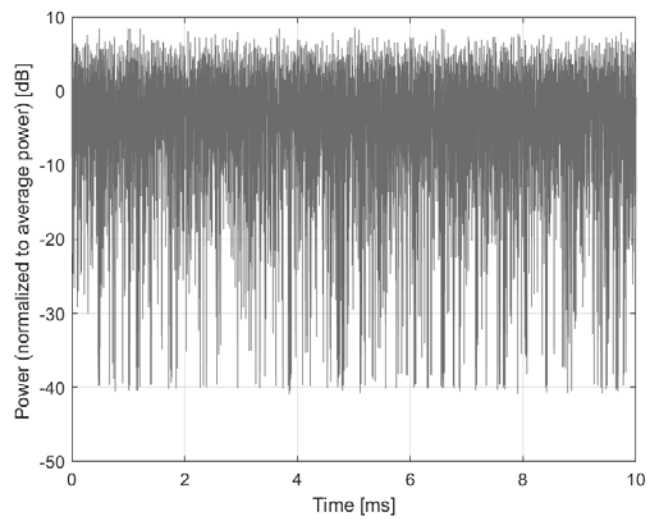
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10794-AAE

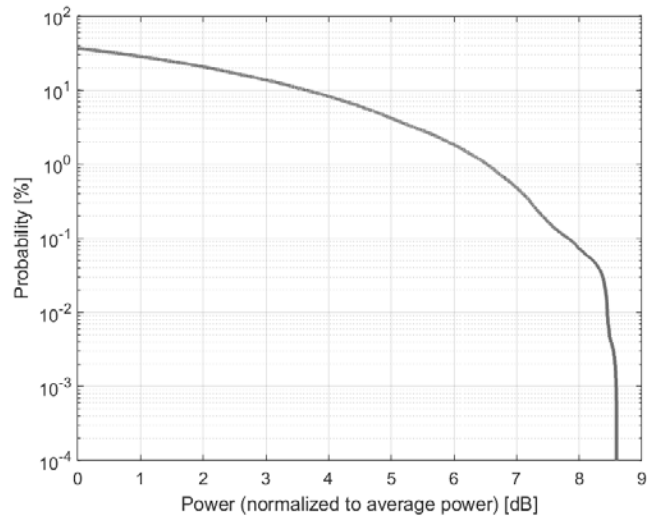
PAR: <sup>1</sup> **7.82 dB**  
MIF: <sup>2</sup> **-14.46 dB**

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 n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

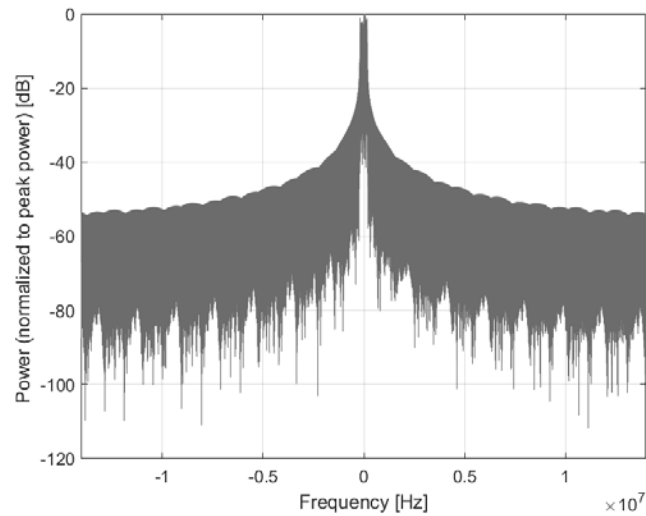
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 20.0 MHz  
Integration Time: 10.0 ms

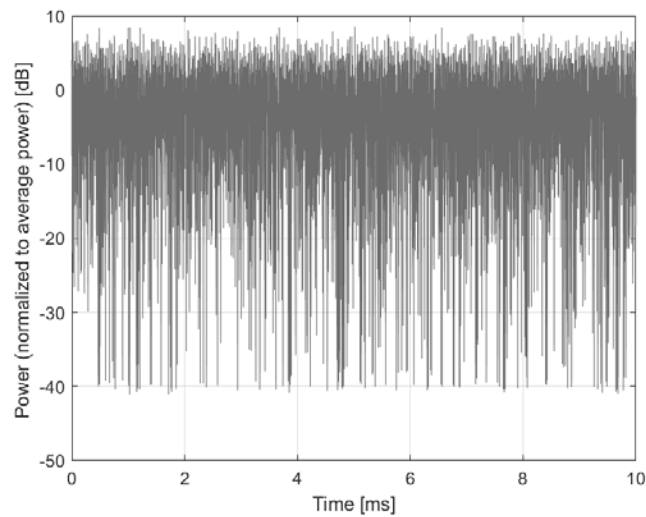
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10795-AAD

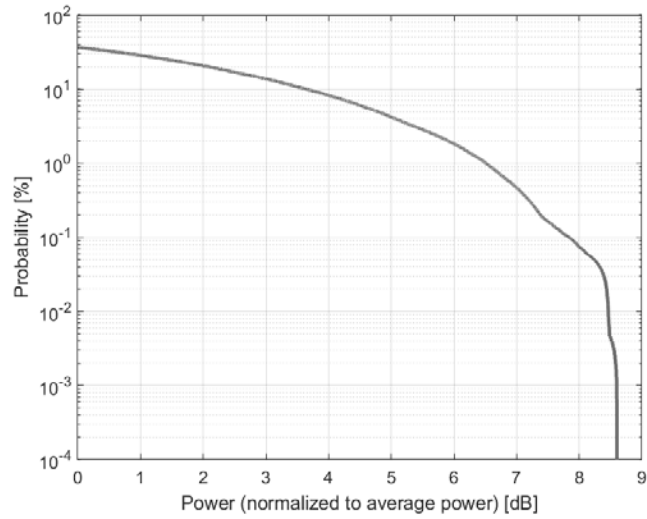
PAR:<sup>1</sup> **7.84 dB**  
MIF:<sup>2</sup> **-14.35 dB**

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 n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
Validation band (0.0 - 6000.0 MHz)

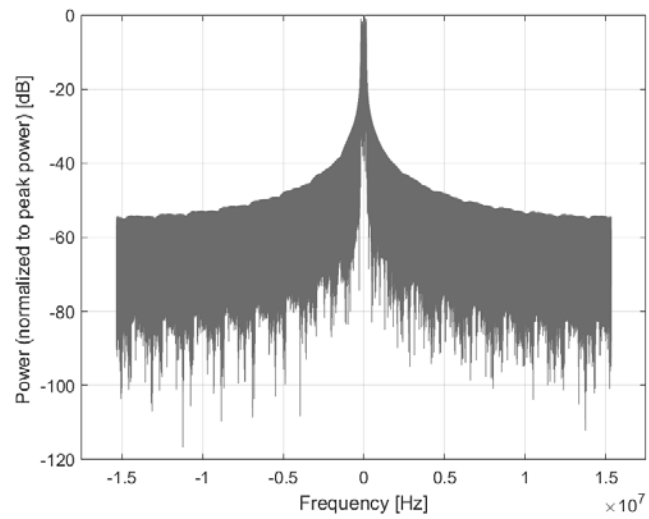
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 25.0 MHz  
Integration Time: 10.0 ms

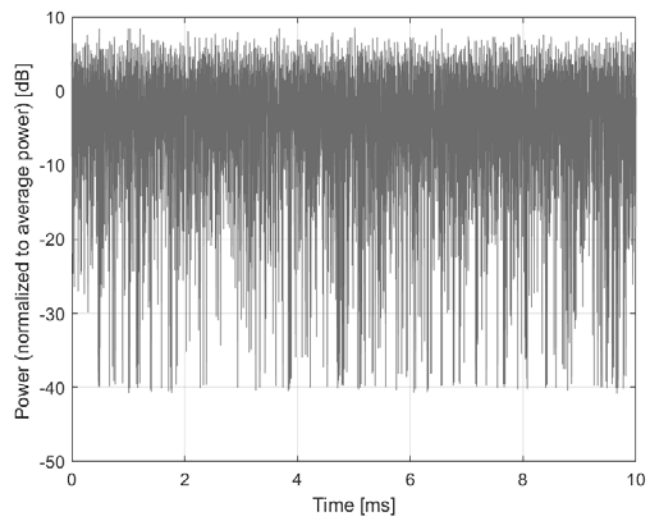
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10796-AAE

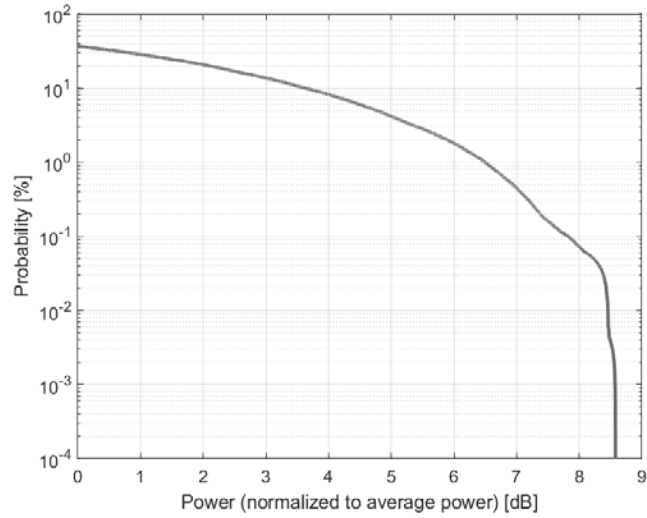
PAR: <sup>1</sup> **7.82 dB**  
MIF: <sup>2</sup> **-14.32 dB**

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 n50 (1432 - 1517 MHz)  
Band n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

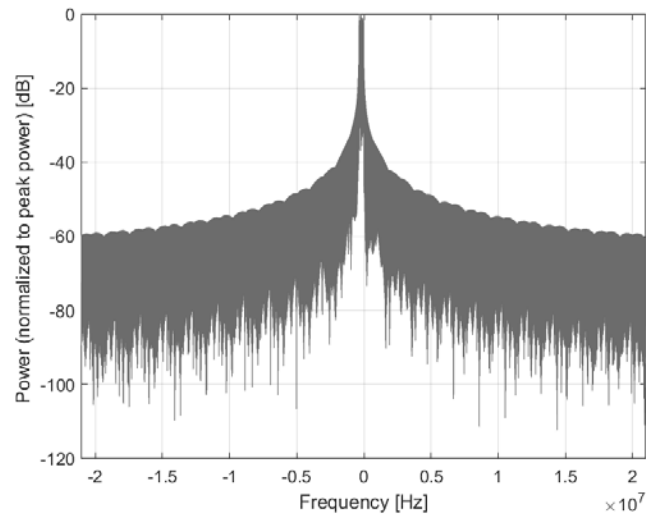
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 30.0 MHz  
Integration Time: 10.0 ms

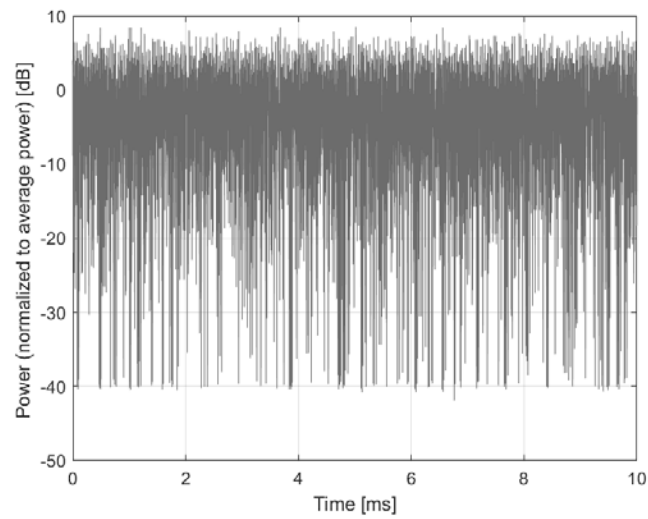
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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: **5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10797-AAF

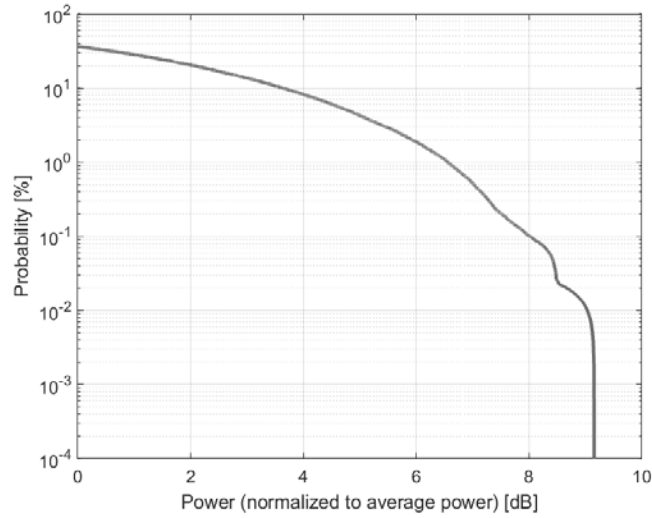
PAR: <sup>1</sup> **8.01 dB**  
MIF: <sup>2</sup> **-14.32 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

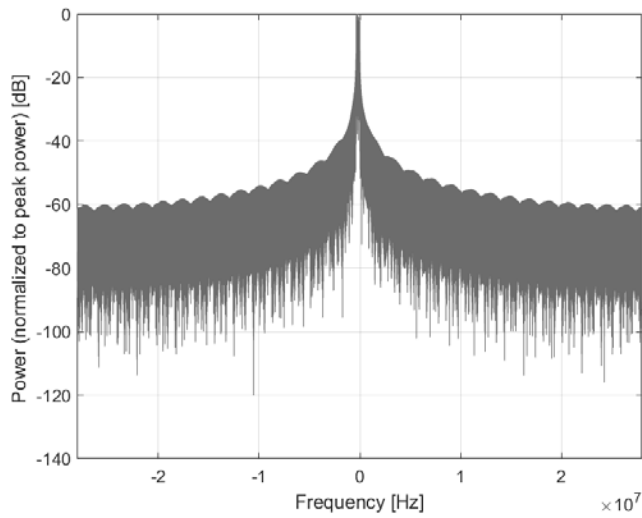
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 40.0 MHz  
Integration Time: 10.0 ms

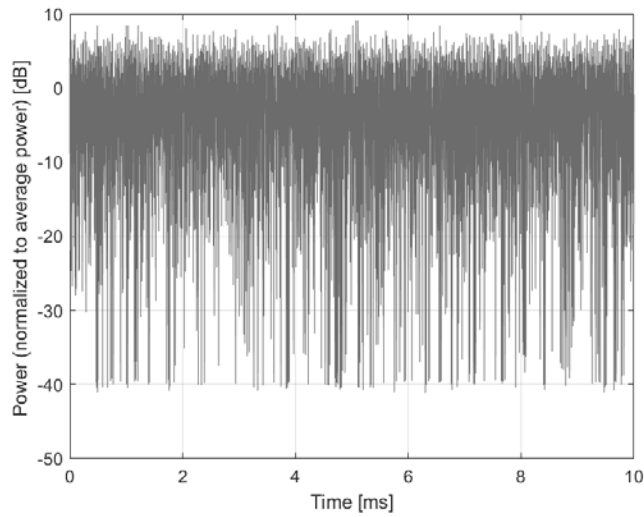
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10798-AAE

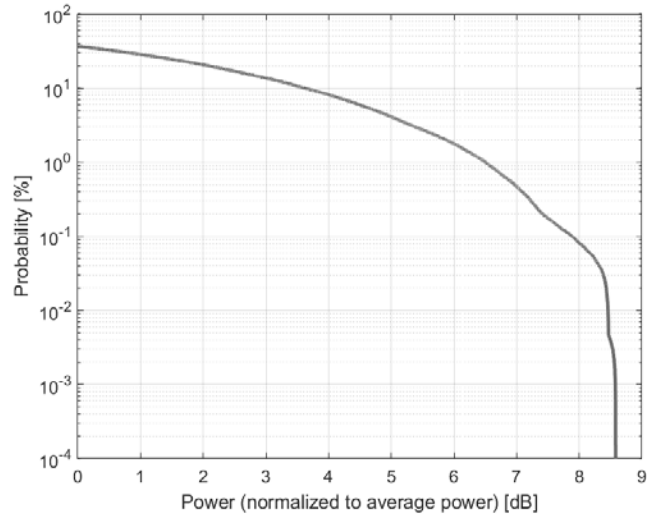
PAR: <sup>1</sup> **7.89 dB**  
MIF: <sup>2</sup> **-14.55 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

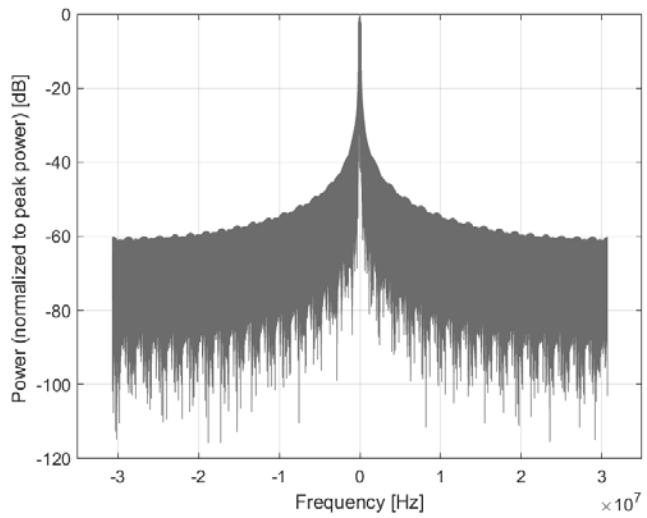
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 50.0 MHz  
Integration Time: 10.0 ms

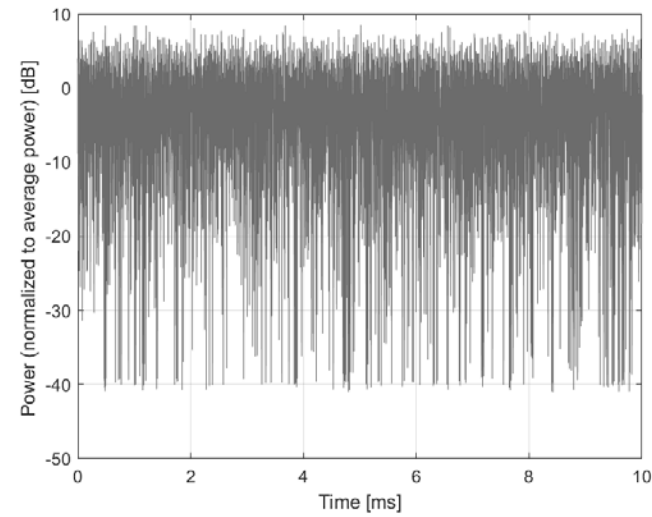
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10799-AAF

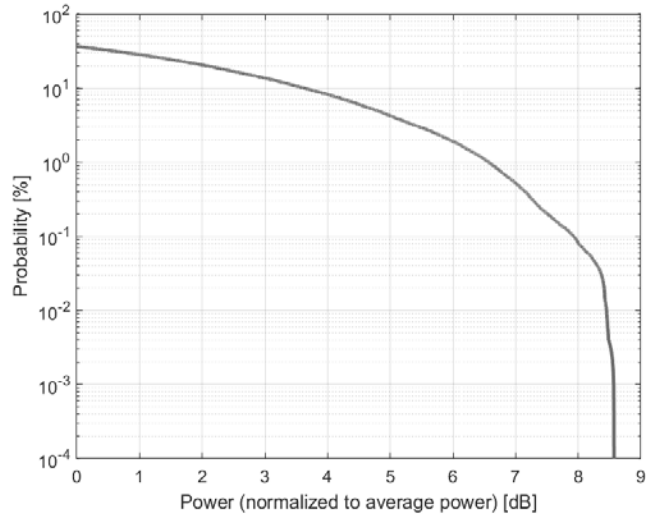
PAR: <sup>1</sup> **7.93 dB**  
MIF: <sup>2</sup> **-14.45 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

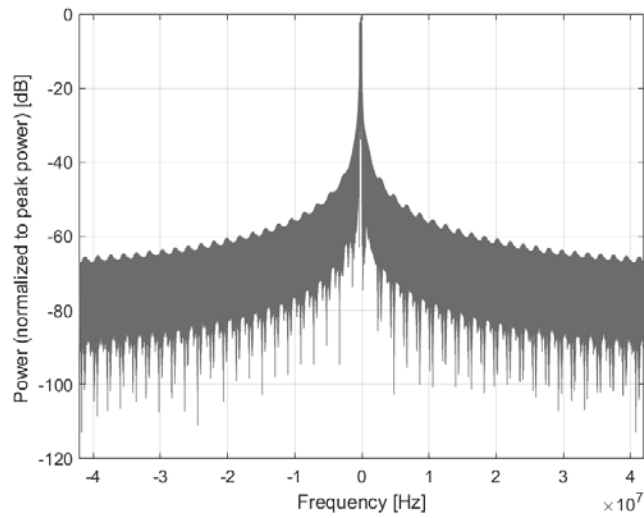
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 60.0 MHz  
Integration Time: 10.0 ms

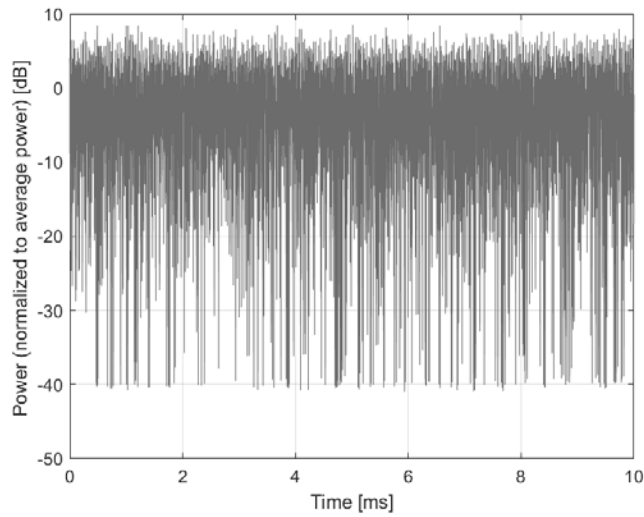
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10801-AAF

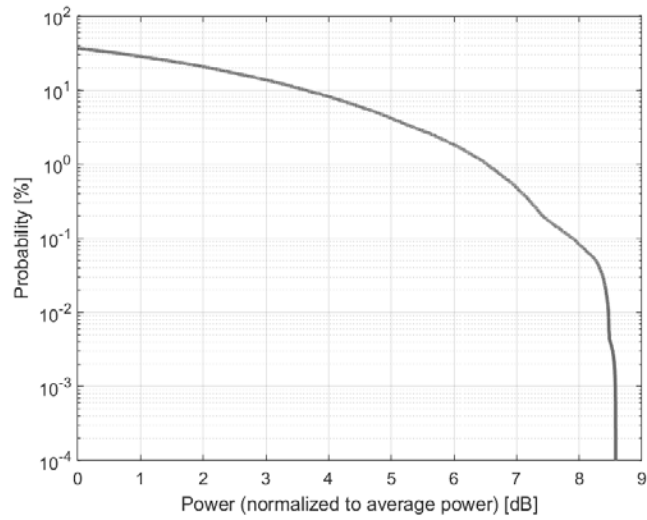
PAR: <sup>1</sup> **7.89 dB**  
MIF: <sup>2</sup> **-14.47 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

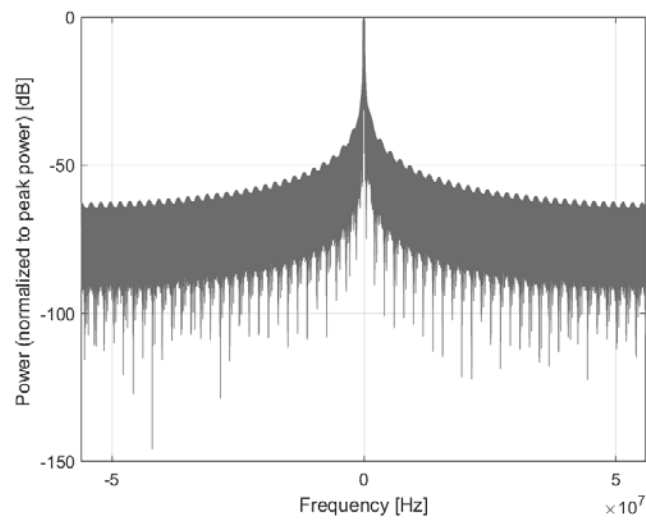
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 80.0 MHz  
Integration Time: 10.0 ms

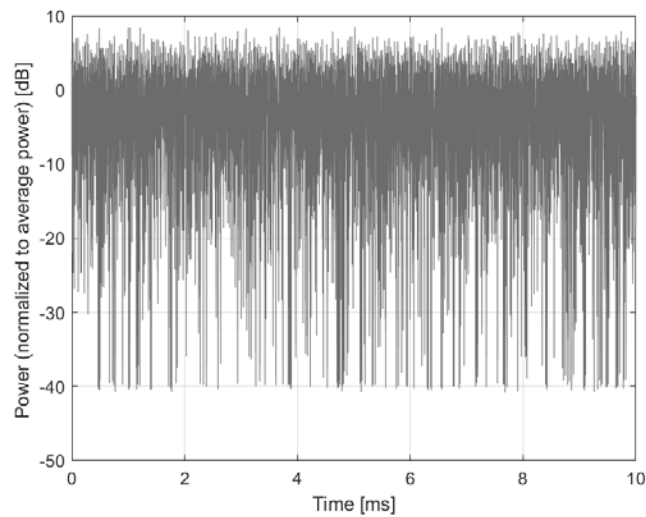
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10802-AAE

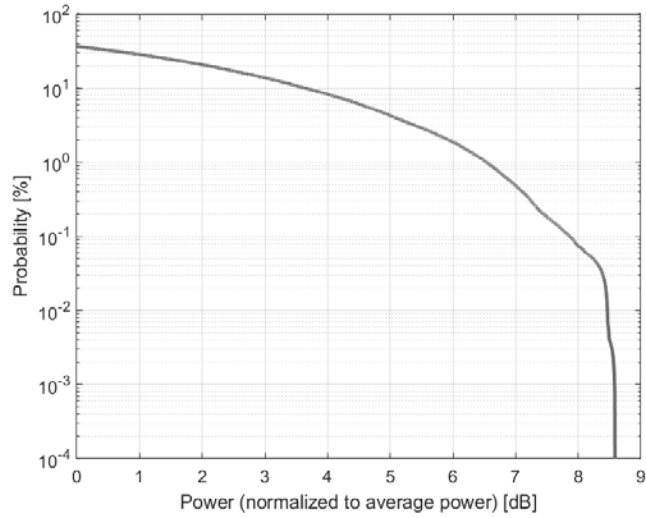
PAR: <sup>1</sup> **7.87 dB**  
MIF: <sup>2</sup> **-14.43 dB**

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 n90 (2496 - 2690 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

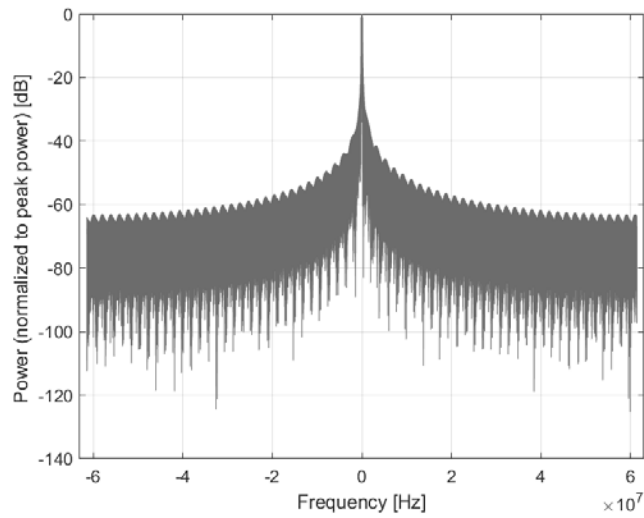
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 90.0 MHz  
Integration Time: 10.0 ms

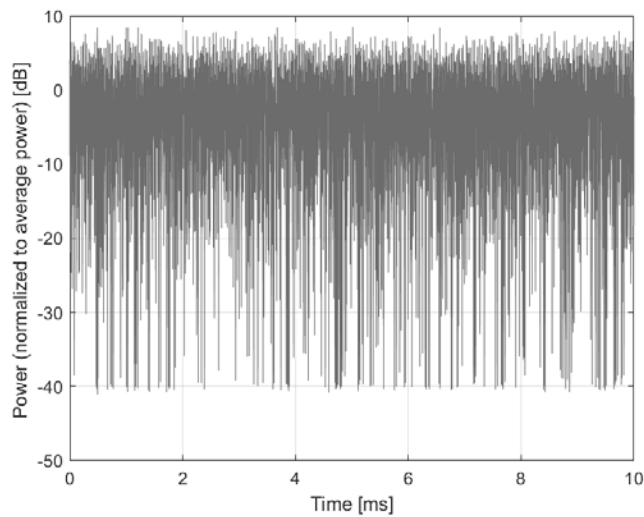
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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, 100 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10803-AAF

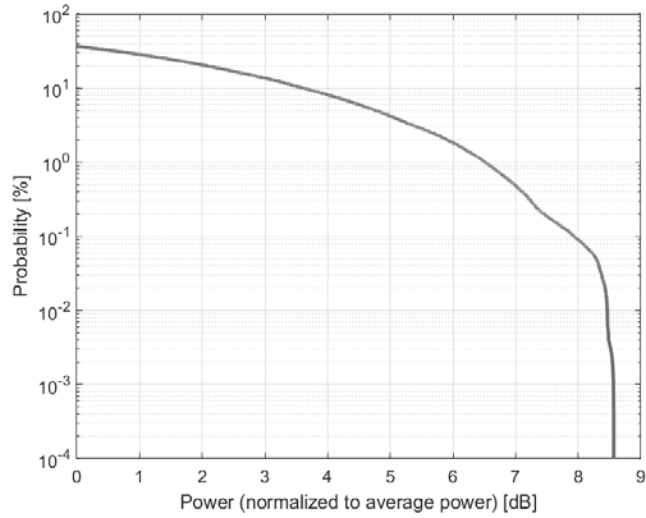
PAR: <sup>1</sup> **7.93 dB**  
MIF: <sup>2</sup> **-14.38 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

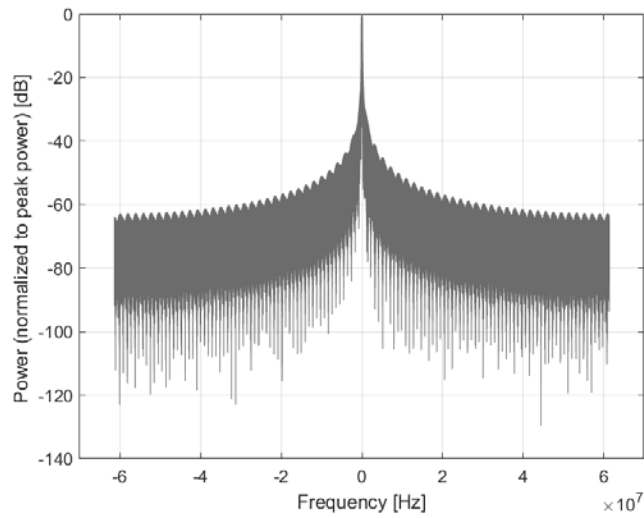
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 100.0 MHz  
Integration Time: 10.0 ms

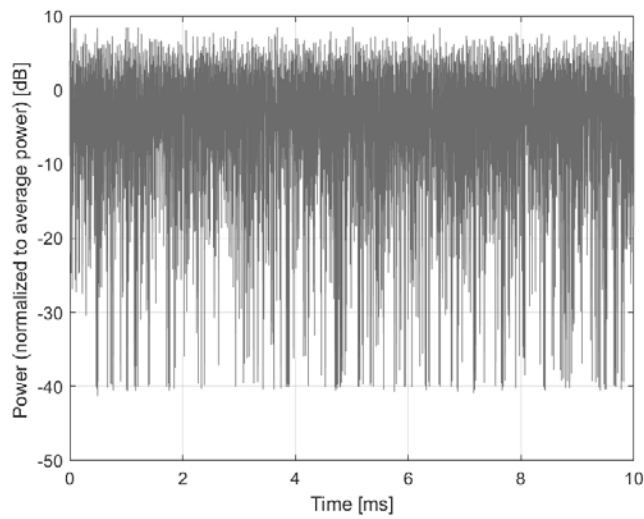
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10805-AAE

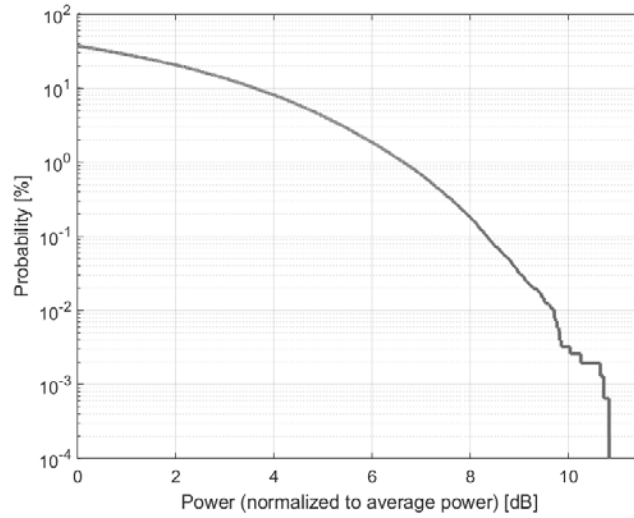
PAR: <sup>1</sup> **8.34 dB**  
MIF: <sup>2</sup> **-19.83 dB**

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 n53 (2483.5 - 2495 MHz)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n101 (1900 - 1910 MHz)  
Validation band (0.0 - 6000.0 MHz)

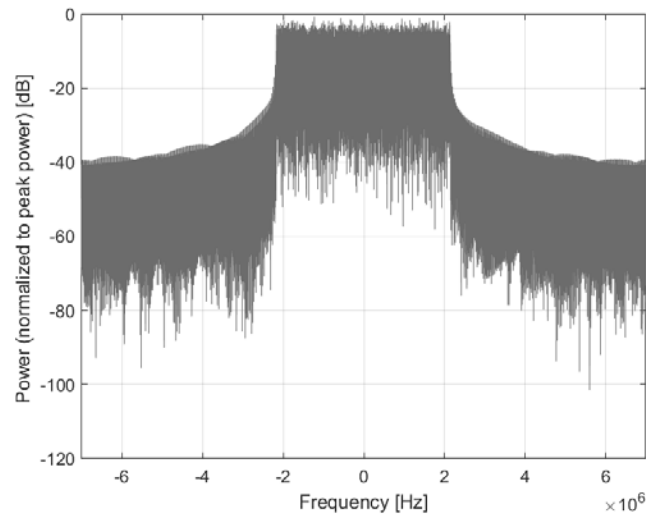
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 12  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 10.0 MHz  
Integration Time: 10.0 ms

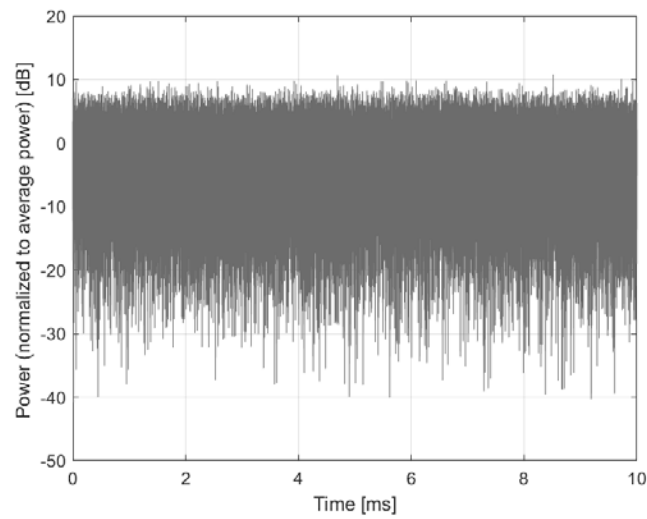
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10806-AAD

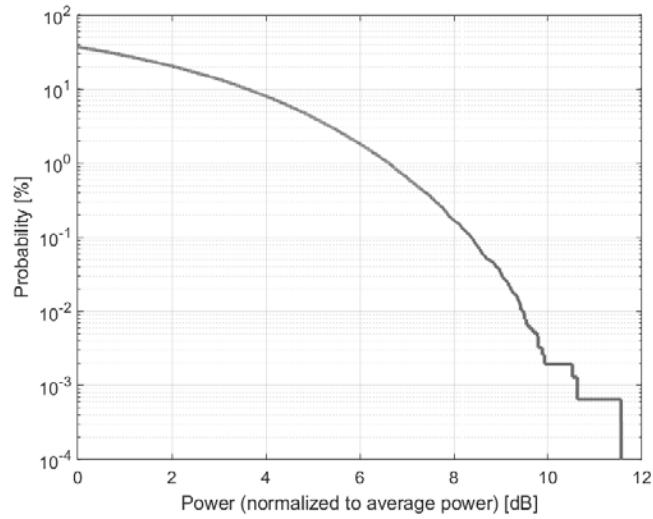
PAR: <sup>1</sup> **8.37 dB**  
MIF: <sup>2</sup> **-20.22 dB**

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 n90 (2496 - 2690 MHz)  
Validation band (0.0 - 6000.0 MHz)

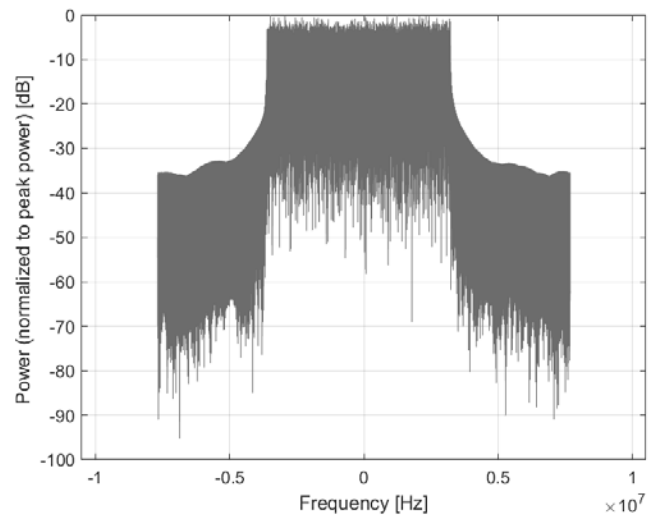
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 19  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 15.0 MHz  
Integration Time: 10.0 ms

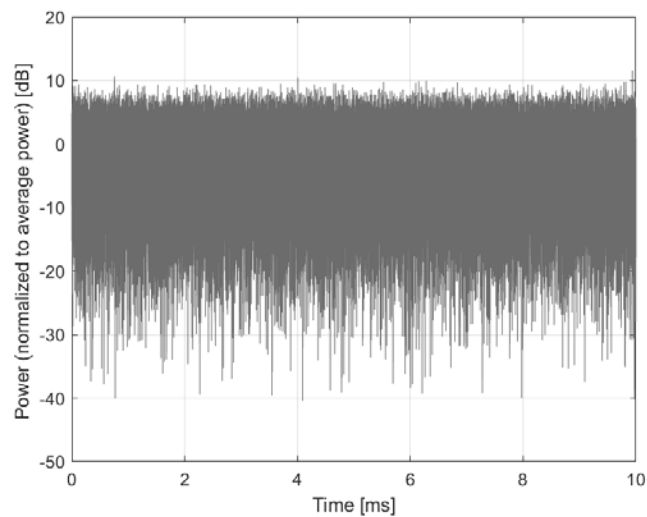
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10809-AAE

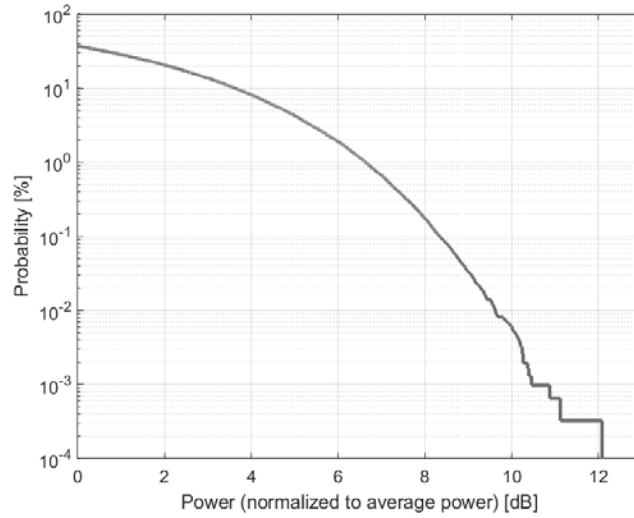
PAR: <sup>1</sup> **8.34 dB**  
MIF: <sup>2</sup> **-21.62 dB**

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 n50 (1432 - 1517 MHz)  
Band n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

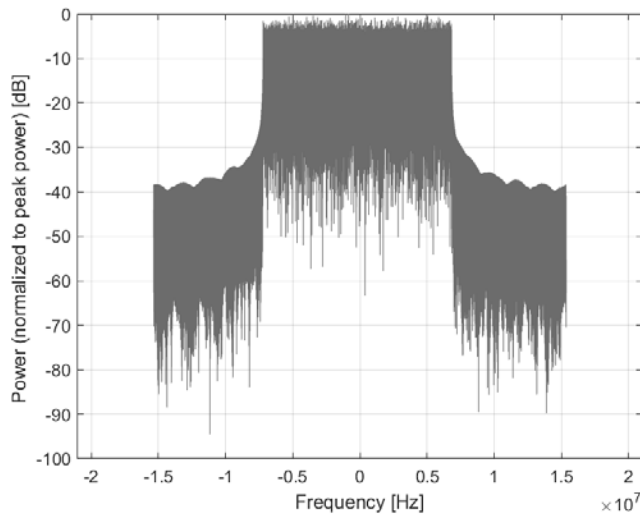
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 39  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 30.0 MHz  
Integration Time: 10.0 ms

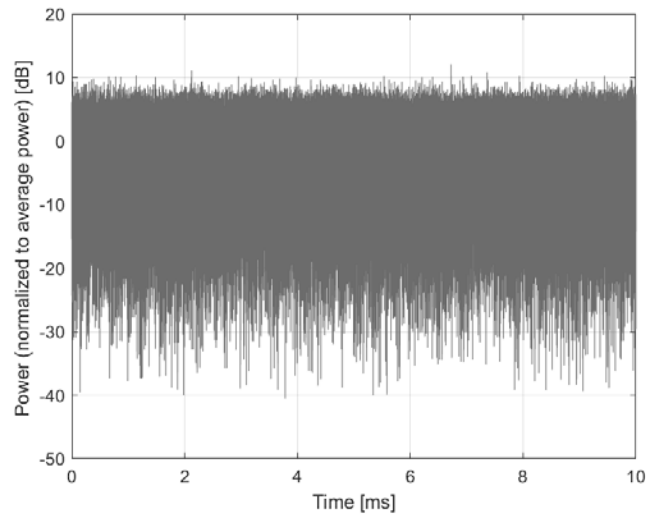
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10810-AAF

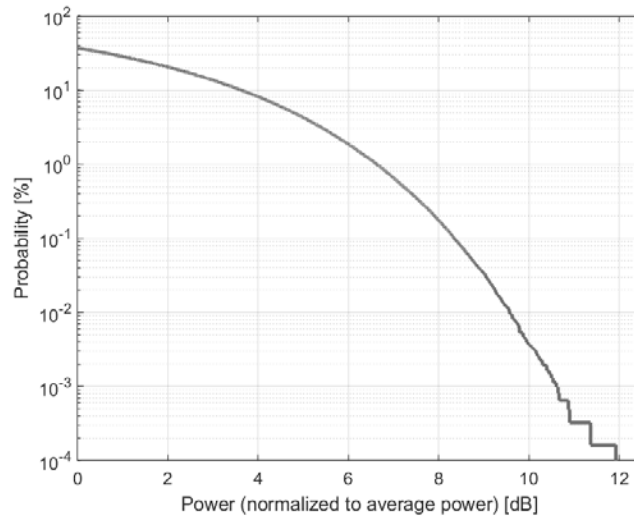
PAR: <sup>1</sup> **8.34 dB**  
MIF: <sup>2</sup> **-22.06 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

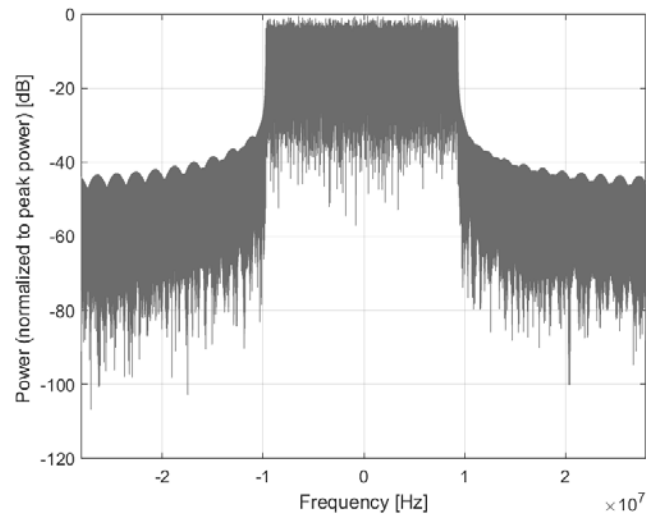
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 53  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 40.0 MHz  
Integration Time: 10.0 ms

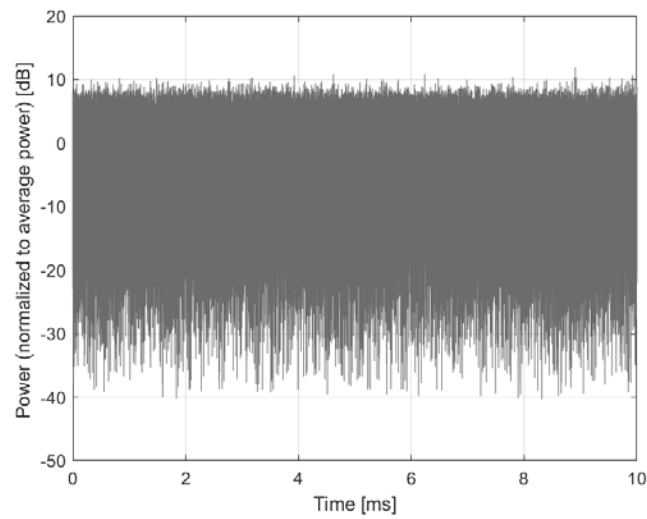
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10812-AAF

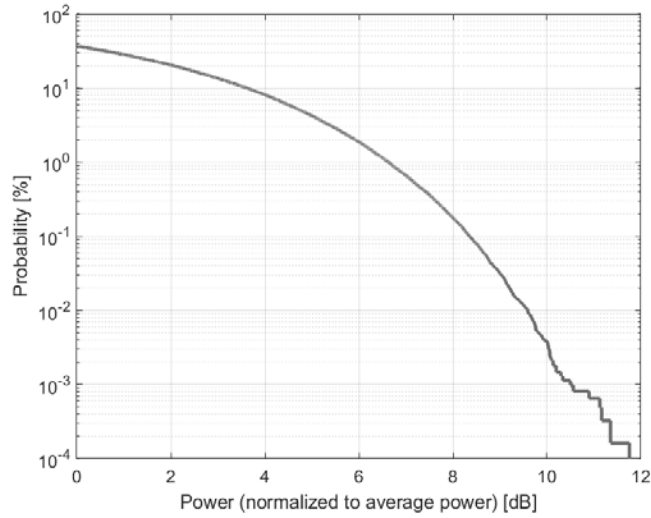
PAR: <sup>1</sup> **8.35 dB**  
MIF: <sup>2</sup> **-24.16 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

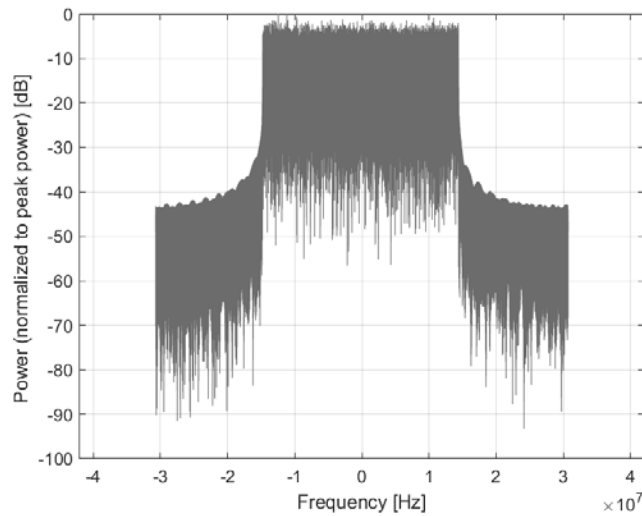
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 81  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 60.0 MHz  
Integration Time: 10.0 ms

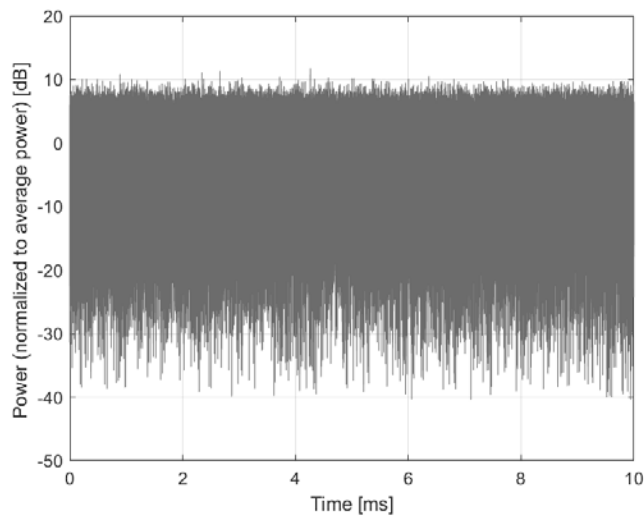
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10817-AAG

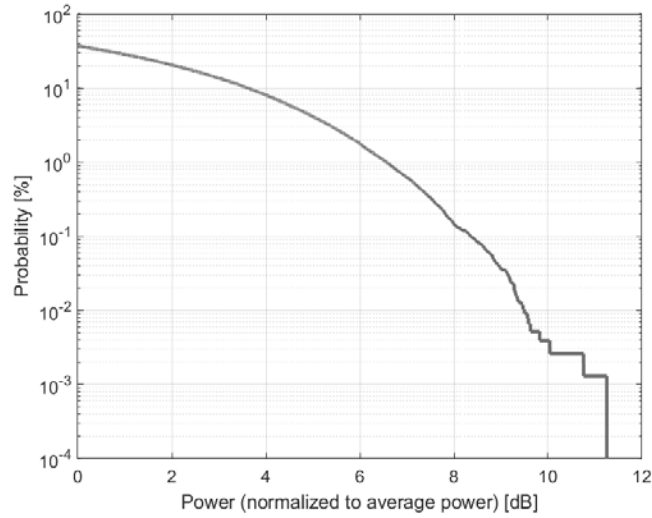
PAR:<sup>1</sup> **8.35 dB**  
MIF:<sup>2</sup> **-19.61 dB**

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 n48 (3550 - 3700 MHz)  
Band n50 (1432 - 1517 MHz)  
Band n51 (1427 - 1432 MHz)  
Band n53 (2483.5 - 2495 MHz)  
Band n101 (1900 - 1910 MHz)  
Validation band (0.0 - 6000.0 MHz)

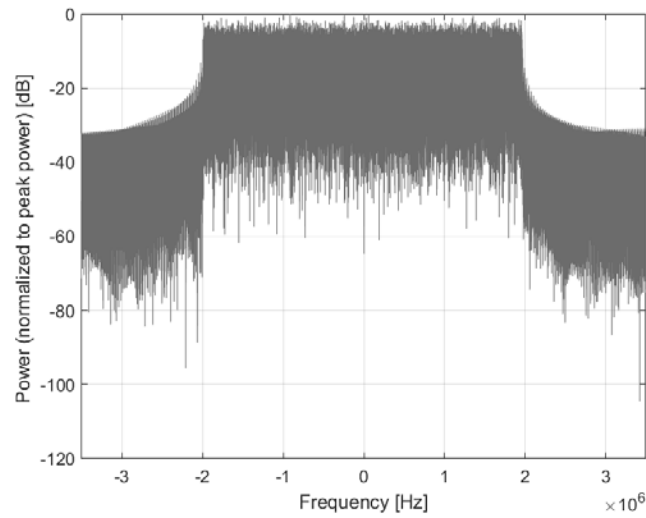
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 11  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 5.0 MHz  
Integration Time: 10.0 ms

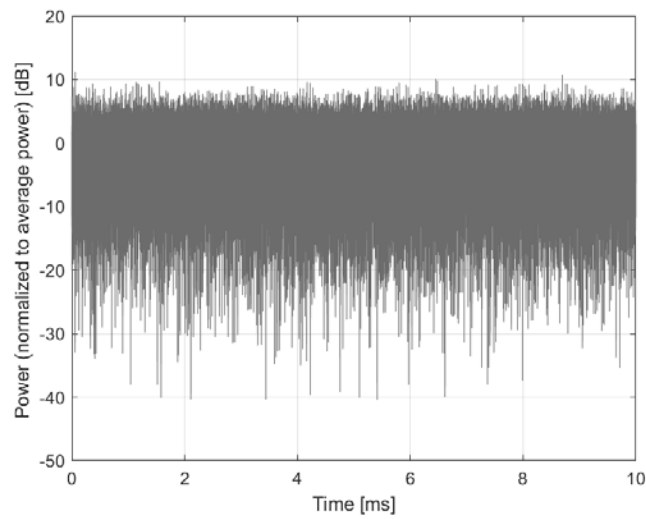
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same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



**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**



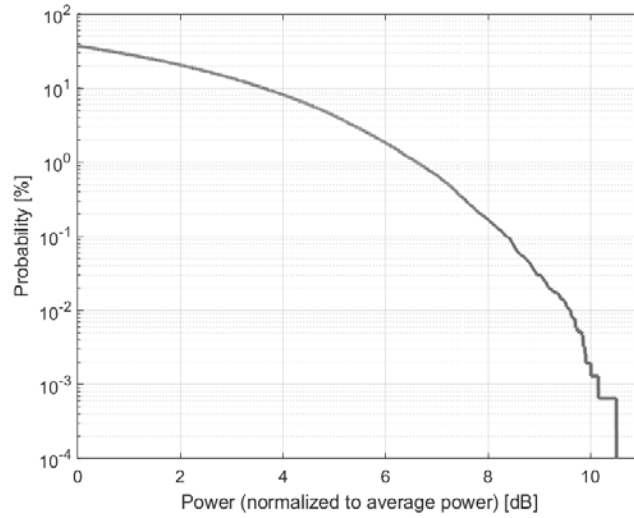
**Time Domain**



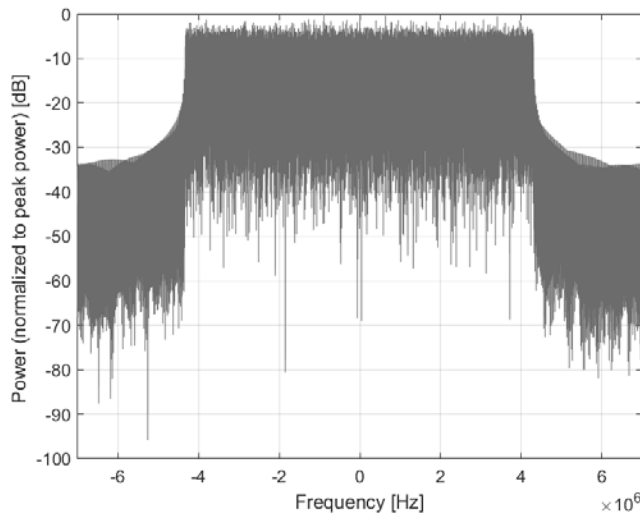
**Calibration Laboratory of  
Schmid & Partner  
Engineering AG**  
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name:	<b>5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)</b>
Group:	5G NR FR1 TDD
UID:	10818-AAE
PAR: <sup>1</sup>	<b>8.34 dB</b>
MIF: <sup>2</sup>	<b>-21.28 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 n53 (2483.5 - 2495 MHz) Band n90 (2496 - 2690 MHz) Band n47 (5855 - 5925 MHz) Band n46 (5150 - 5925 MHz) Band n101 (1900 - 1910 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Multiplexing Scheme: CP-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

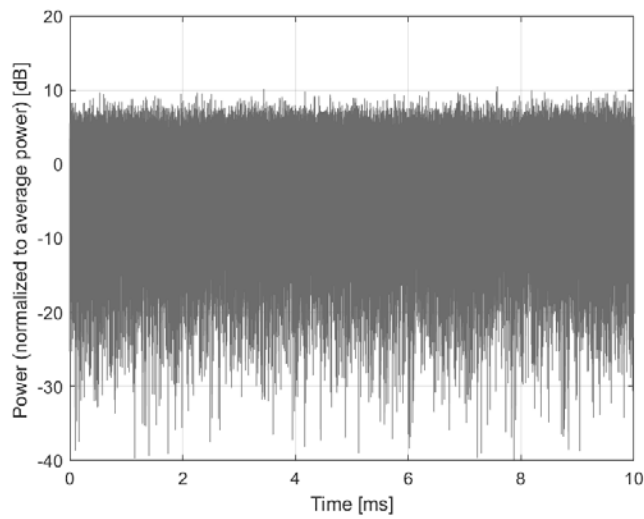
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10819-AAD

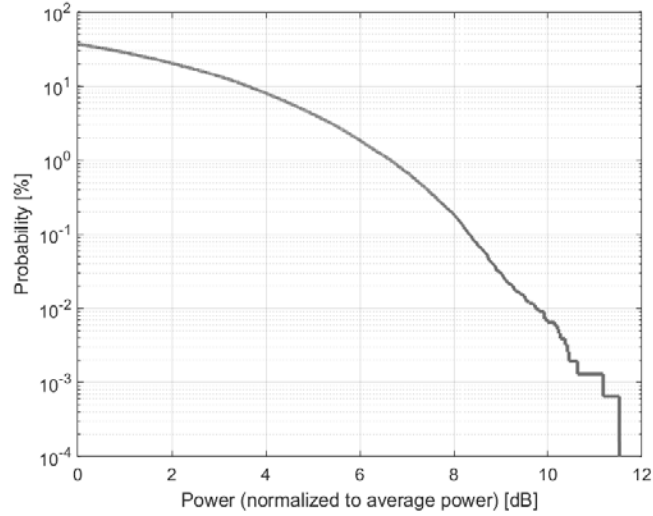
PAR:<sup>1</sup> **8.33 dB**  
MIF:<sup>2</sup> **-22.12 dB**

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 n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
Band n90 (2496 - 2690 MHz)  
Validation band (0.0 - 6000.0 MHz)

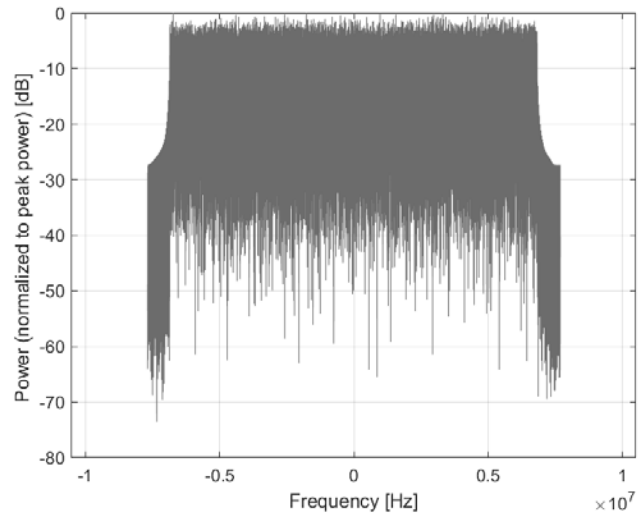
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 38  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 15.0 MHz  
Integration Time: 10.0 ms

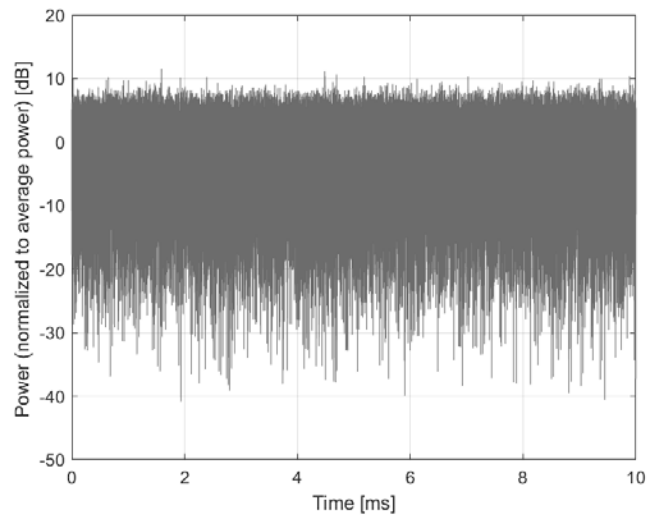
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10820-AAE

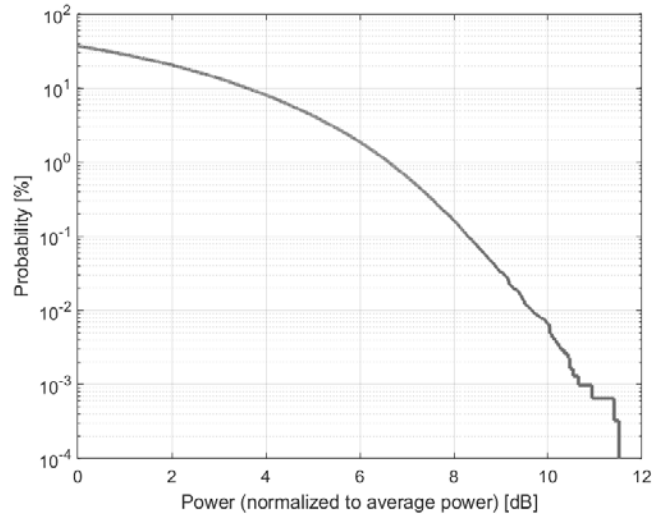
PAR: <sup>1</sup> **8.30 dB**  
MIF: <sup>2</sup> **-22.76 dB**

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 n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

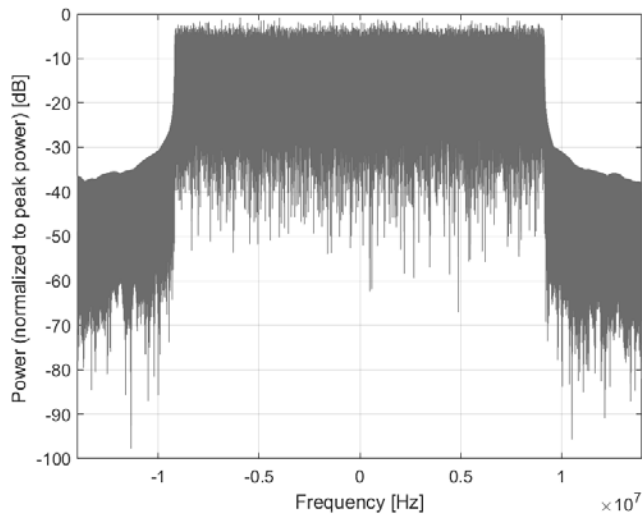
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 51  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 20.0 MHz  
Integration Time: 10.0 ms

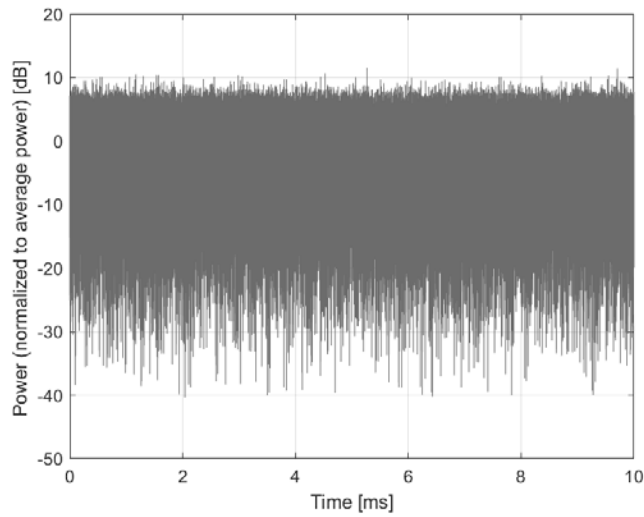
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same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



**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**

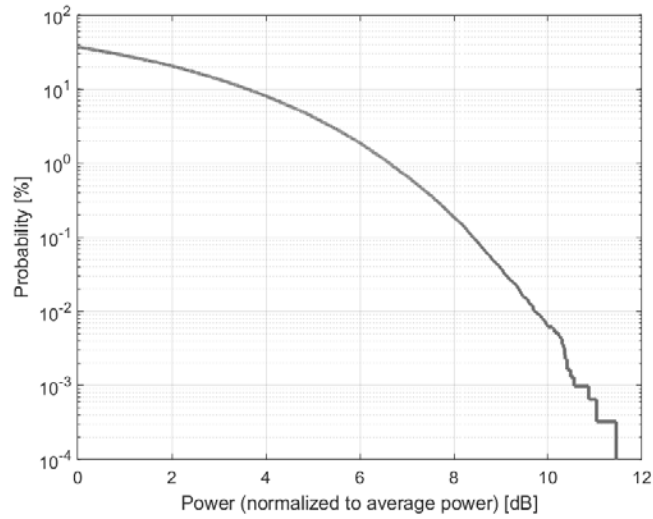


**Time Domain**

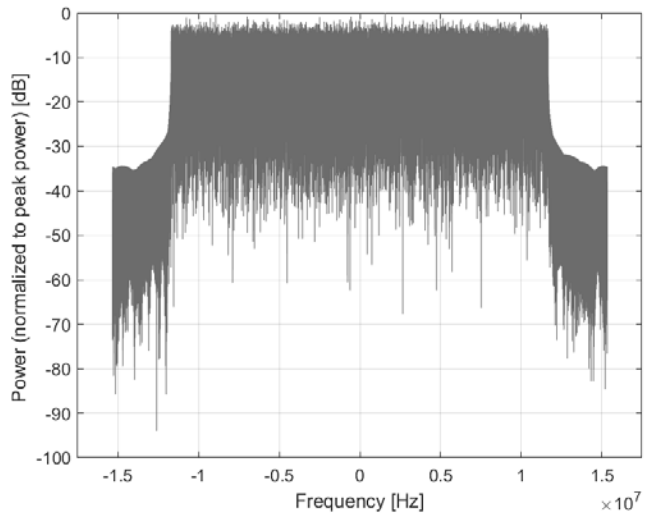
**Calibration Laboratory of  
Schmid & Partner  
Engineering AG**  
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name:	<b>5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)</b>
Group:	5G NR FR1 TDD
UID:	10821-AAD
PAR: <sup>1</sup>	<b>8.41 dB</b>
MIF: <sup>2</sup>	<b>-22.93 dB</b>
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 n77 (3300 - 4200 MHz) Band n78 (3300 - 3800 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Multiplexing Scheme: CP-OFDM Modulation Scheme: QPSK Subcarrier Spacing: 30 kHz Number RBs: 65 Slot Format Index: 1 Data Type: PN9
Bandwidth:	25.0 MHz
Integration Time:	10.0 ms

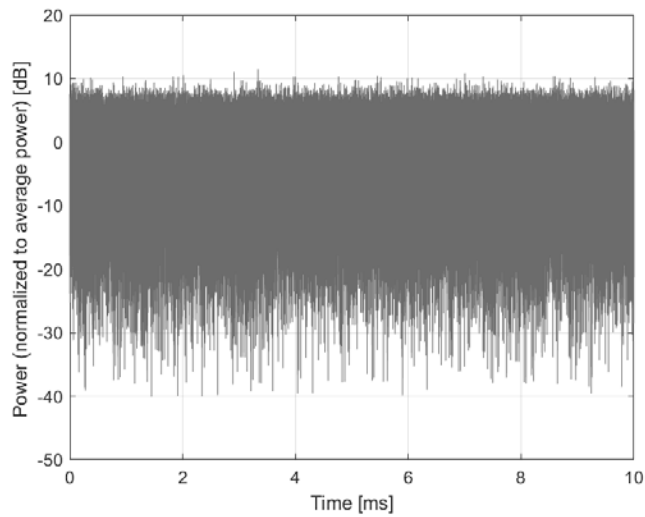
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10822-AAE

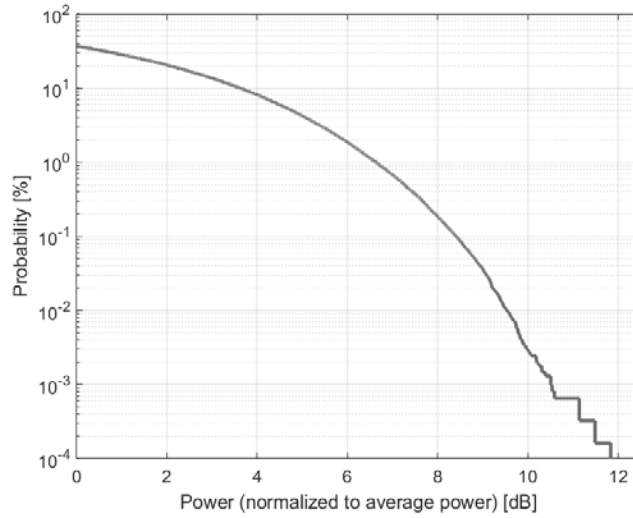
PAR: <sup>1</sup> **8.41 dB**  
MIF: <sup>2</sup> **-23.54 dB**

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 n50 (1432 - 1517 MHz)  
Band n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

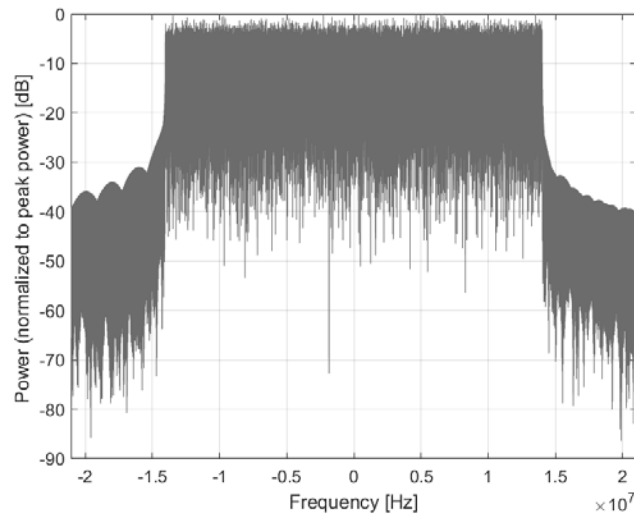
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 78  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 30.0 MHz  
Integration Time: 10.0 ms

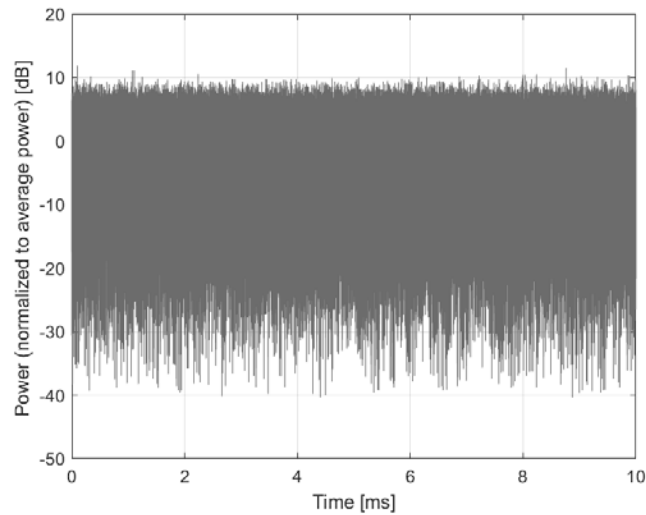
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10823-AAF

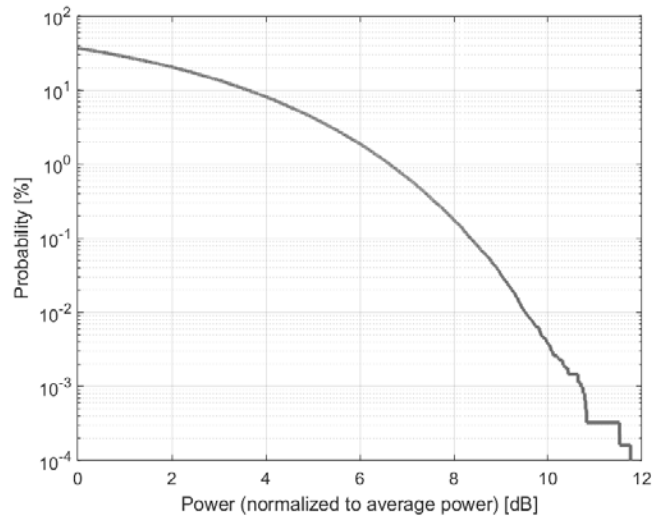
PAR: <sup>1</sup> **8.36 dB**  
MIF: <sup>2</sup> **-24.51 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

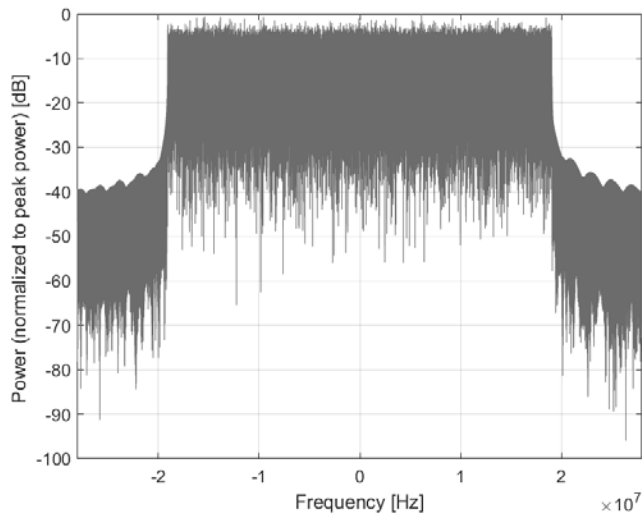
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 106  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 40.0 MHz  
Integration Time: 10.0 ms

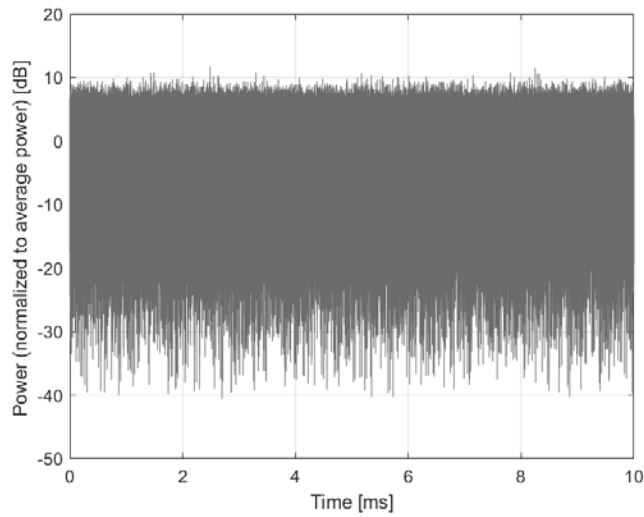
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10824-AAE

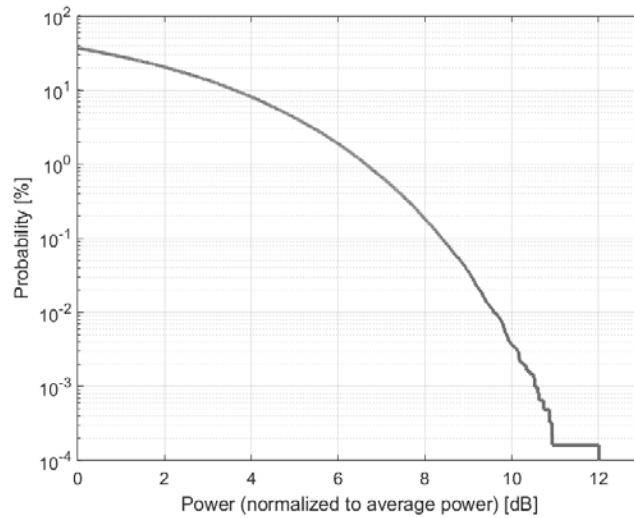
PAR: <sup>1</sup> **8.39 dB**  
MIF: <sup>2</sup> **-24.80 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

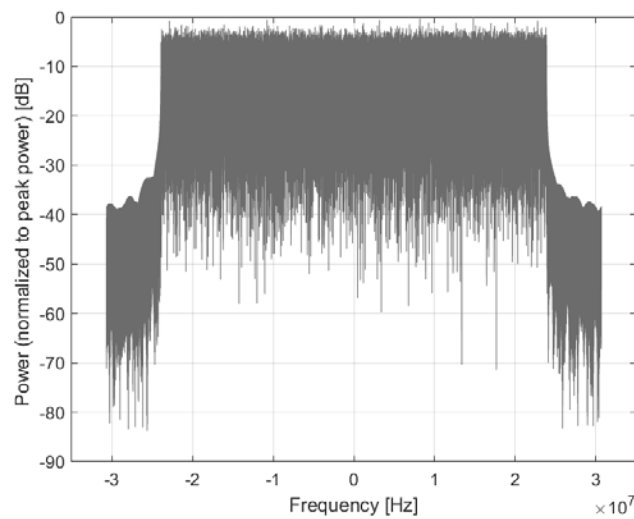
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 133  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 50.0 MHz  
Integration Time: 10.0 ms

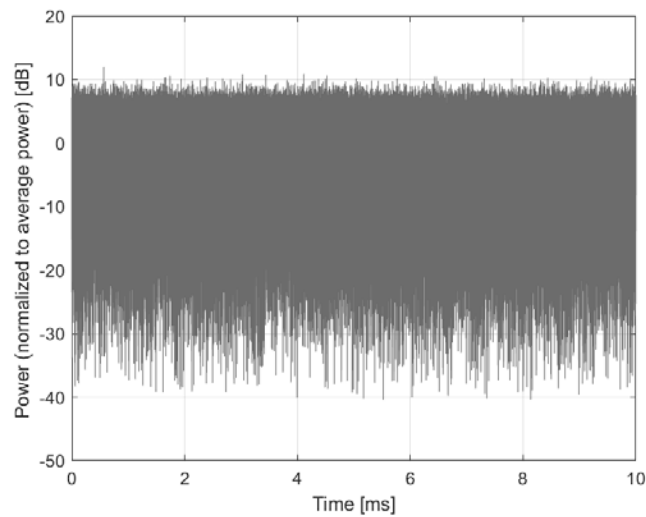
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same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



**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**

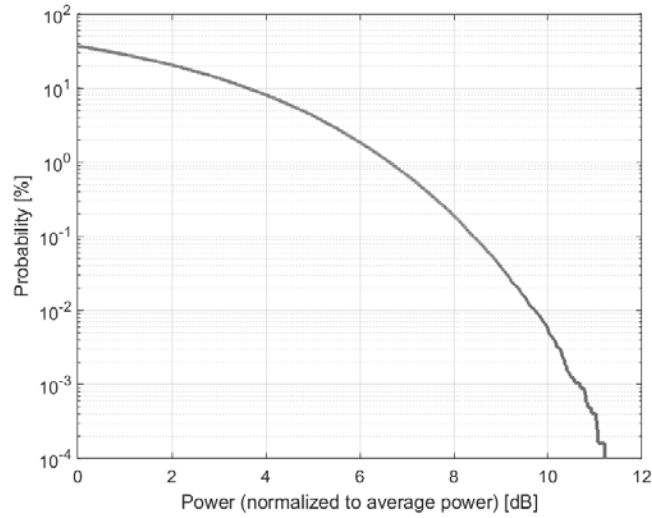


**Time Domain**

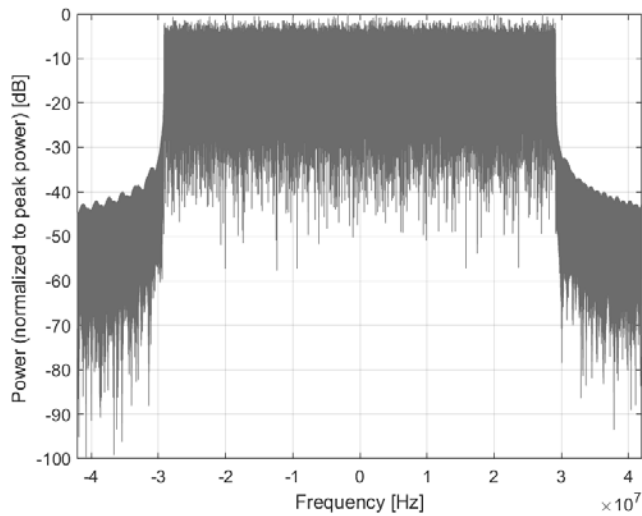
**Calibration Laboratory of  
Schmid & Partner  
Engineering AG**  
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name:	<b>5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)</b>
Group:	5G NR FR1 TDD
UID:	10825-AAF
PAR: <sup>1</sup>	<b>8.41 dB</b>
MIF: <sup>2</sup>	<b>-25.06 dB</b>
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) Band n90 (2496 - 2690 MHz) Band n46 (5150 - 5925 MHz) Band n96 (5925 - 7125 MHz) Band n102 (5925 - 6425 MHz) Band n104 (6425 - 7125 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Multiplexing Scheme: CP-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

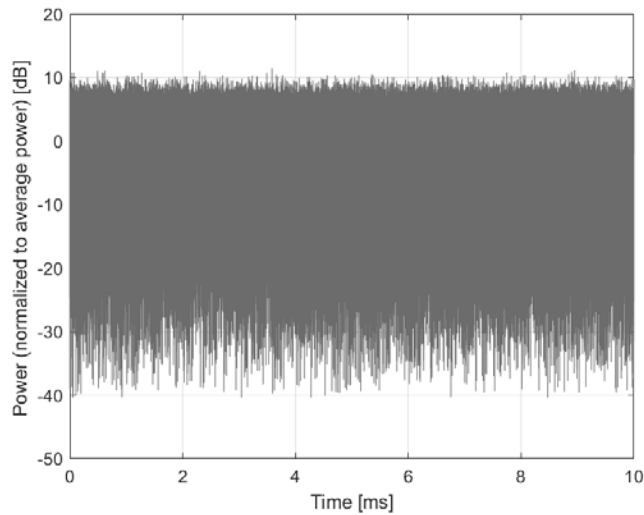
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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, 80 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10827-AAF

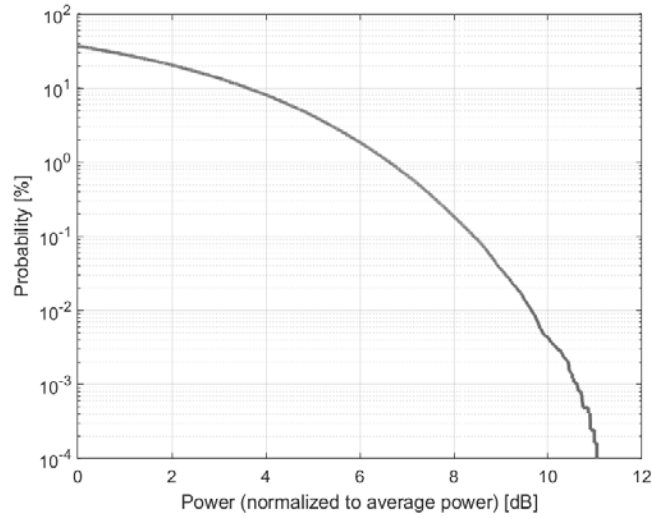
PAR: <sup>1</sup> **8.42 dB**  
MIF: <sup>2</sup> **-25.87 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

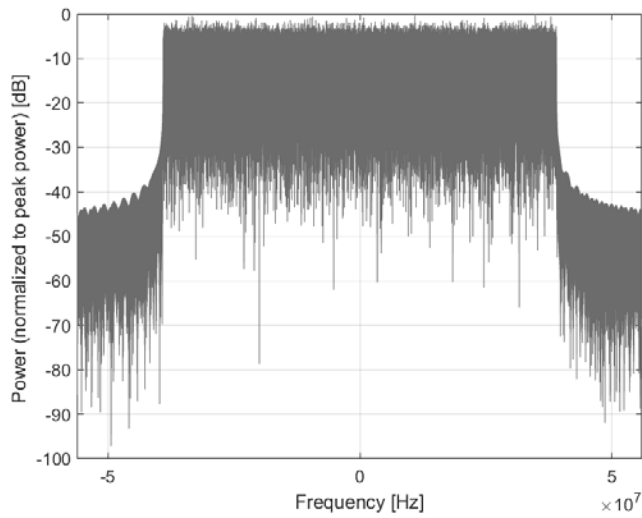
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 217  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 80.0 MHz  
Integration Time: 10.0 ms

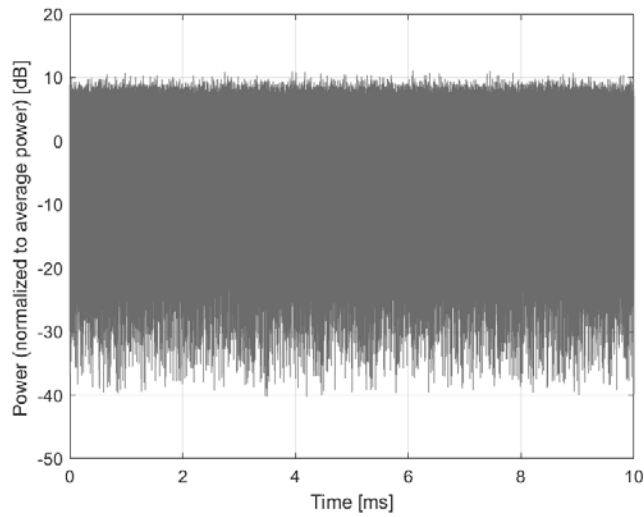
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10828-AAE

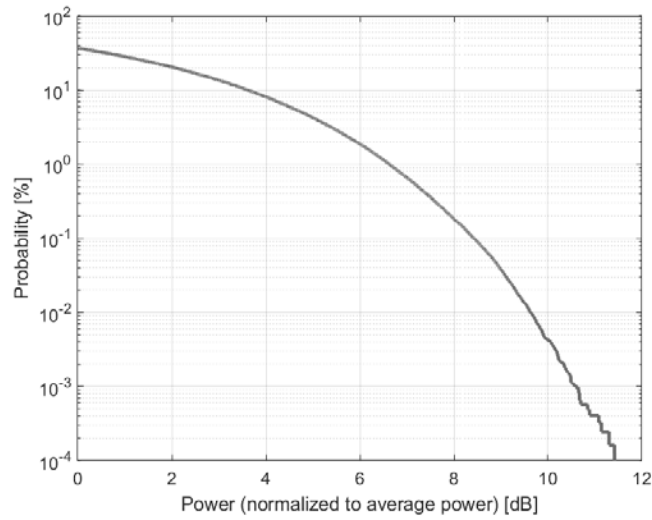
PAR: <sup>1</sup> **8.43 dB**  
MIF: <sup>2</sup> **-26.53 dB**

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 n90 (2496 - 2690 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

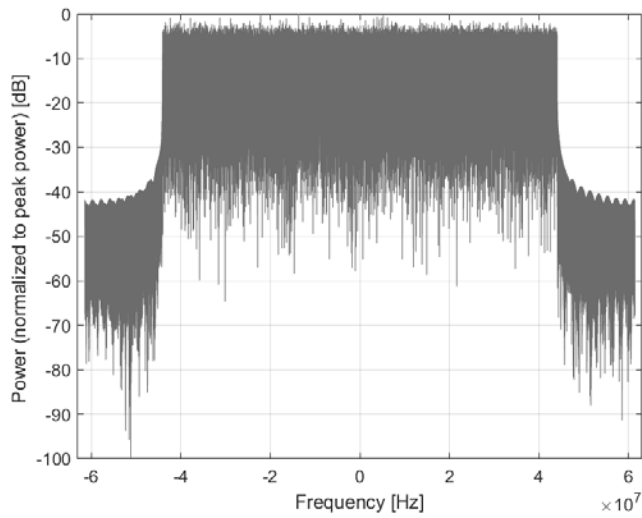
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 245  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 90.0 MHz  
Integration Time: 10.0 ms

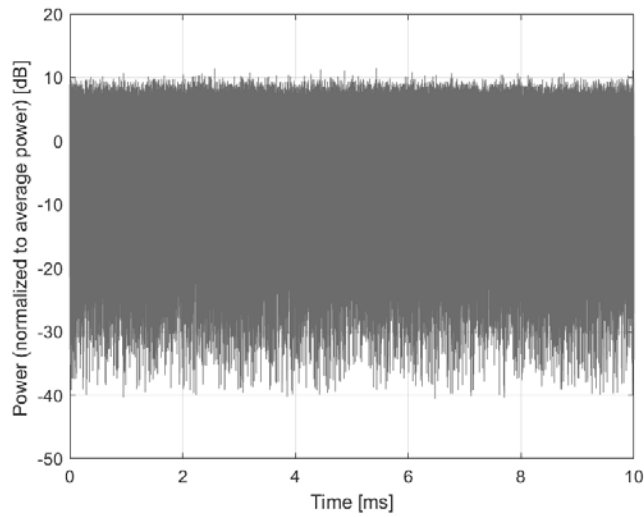
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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, 100 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10829-AAF

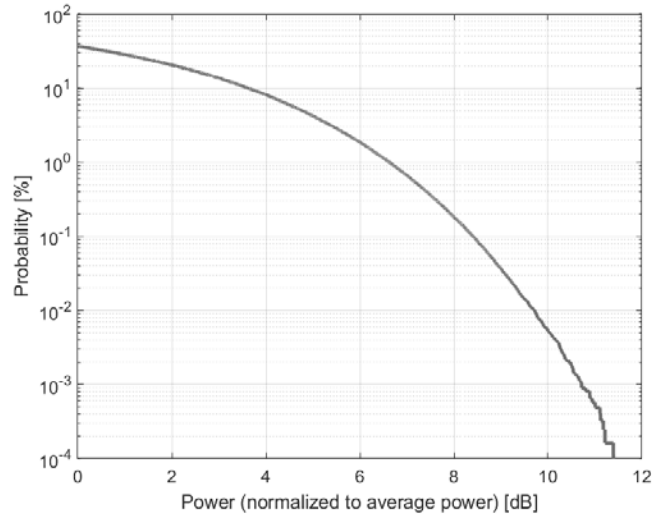
PAR: <sup>1</sup> **8.40 dB**  
MIF: <sup>2</sup> **-26.60 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

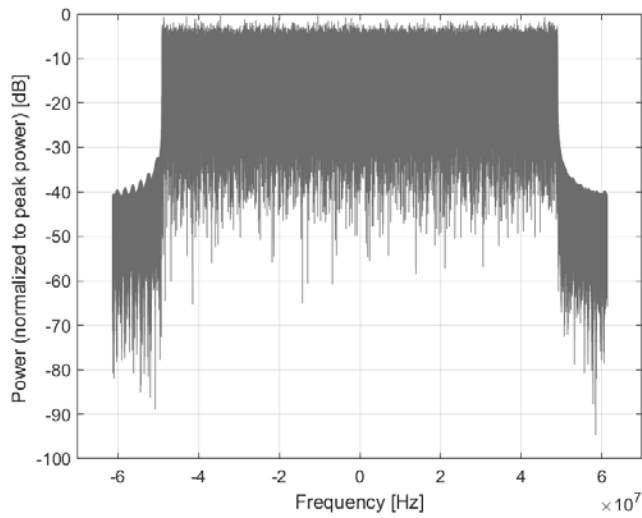
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 273  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 100.0 MHz  
Integration Time: 10.0 ms

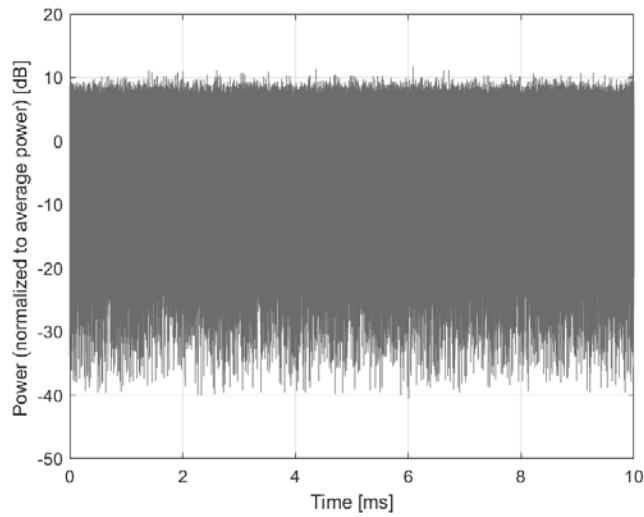
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)**

Group: 5G NR FR1 TDD  
UID: 10830-AAE

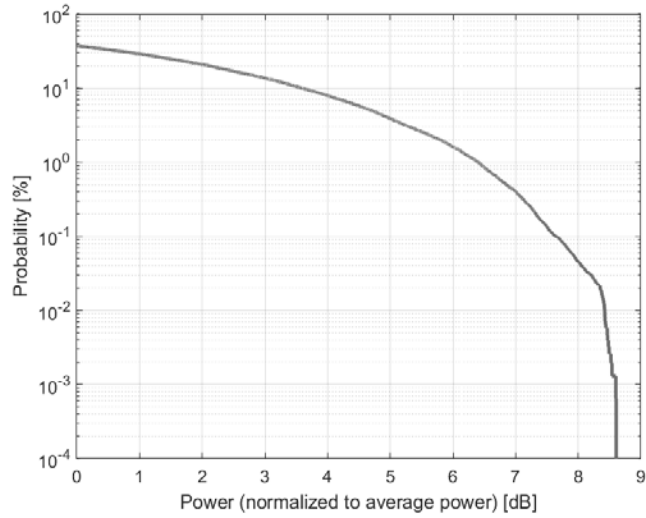
PAR: <sup>1</sup> **7.63 dB**  
MIF: <sup>2</sup> **-16.74 dB**

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 n53 (2483.5 - 2495 MHz)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n101 (1900 - 1910 MHz)  
Validation band (0.0 - 6000.0 MHz)

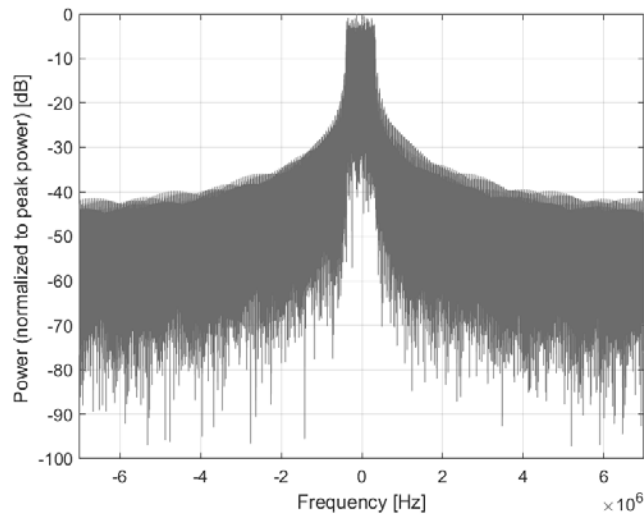
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 10.0 MHz  
Integration Time: 10.0 ms

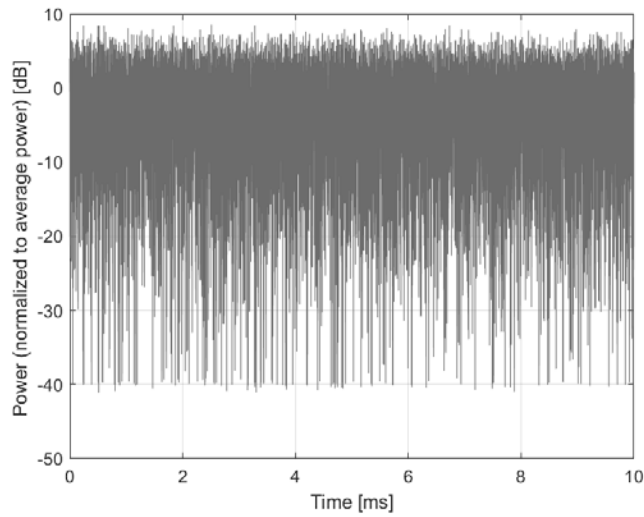
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)**

Group: 5G NR FR1 TDD  
UID: 10831-AAD

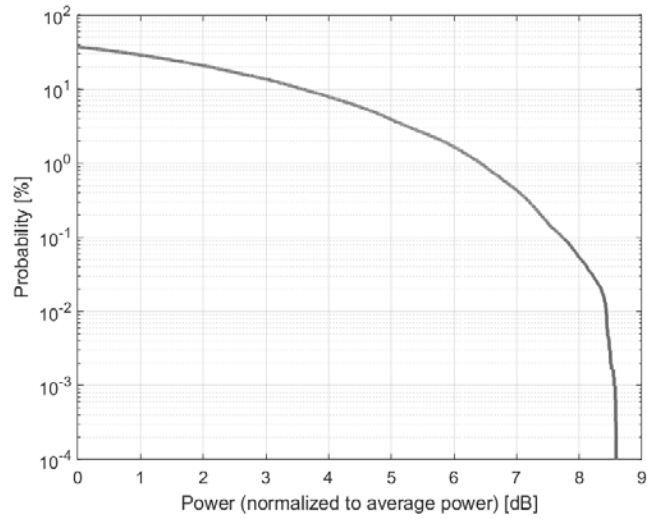
PAR: <sup>1</sup> **7.73 dB**  
MIF: <sup>2</sup> **-16.83 dB**

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 n90 (2496 - 2690 MHz)  
Validation band (0.0 - 6000.0 MHz)

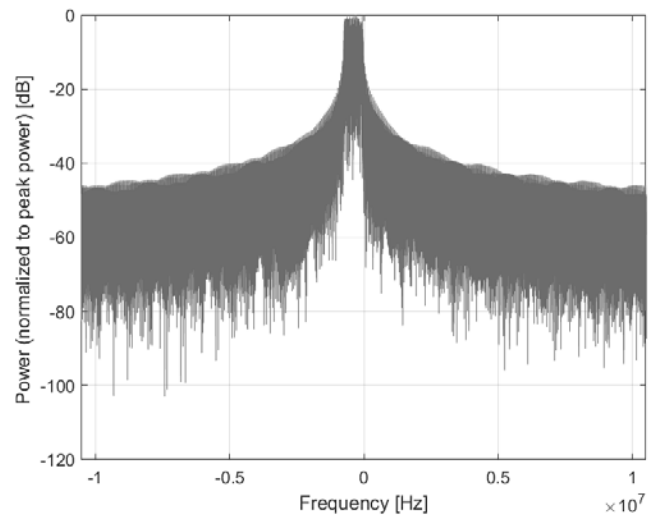
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 15.0 MHz  
Integration Time: 10.0 ms

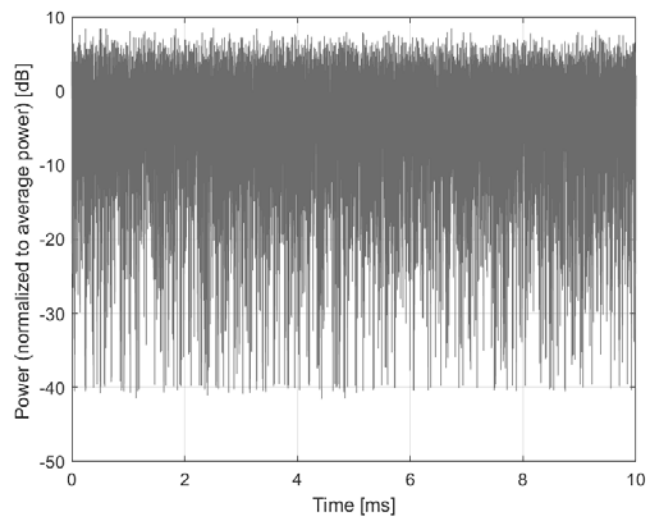
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)**

Group: 5G NR FR1 TDD  
UID: 10832-AAE

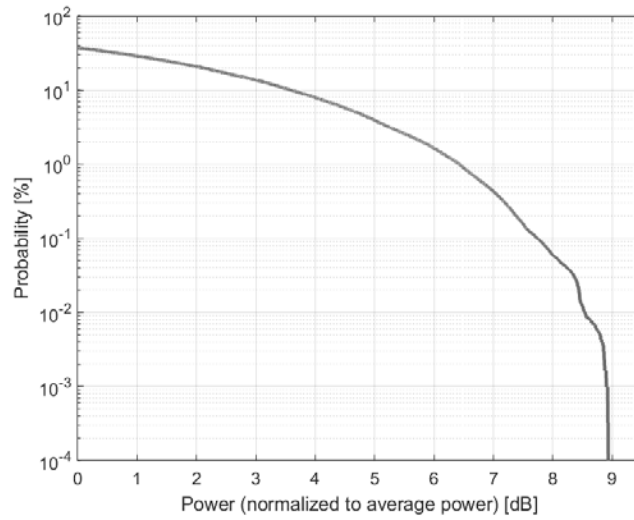
PAR: <sup>1</sup> **7.74 dB**  
MIF: <sup>2</sup> **-16.58 dB**

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 n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

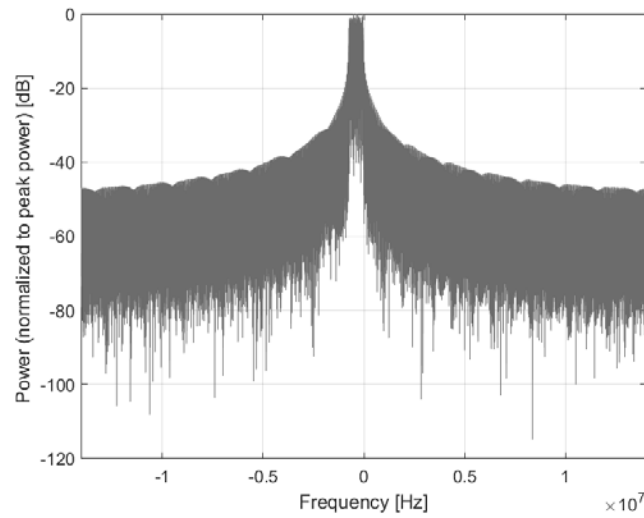
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 20.0 MHz  
Integration Time: 10.0 ms

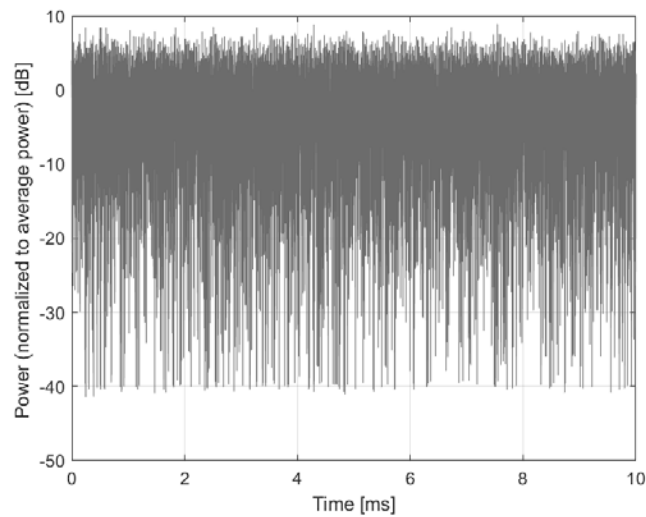
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)**

Group: 5G NR FR1 TDD  
UID: 10833-AAD

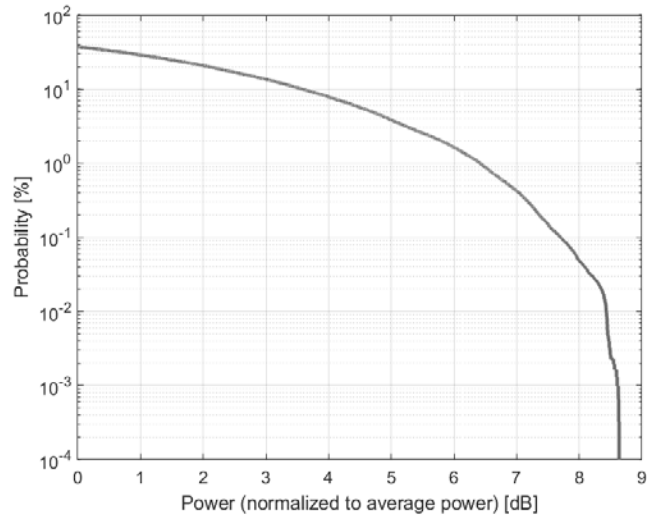
PAR: <sup>1</sup> **7.70 dB**  
MIF: <sup>2</sup> **-16.65 dB**

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 n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
Validation band (0.0 - 6000.0 MHz)

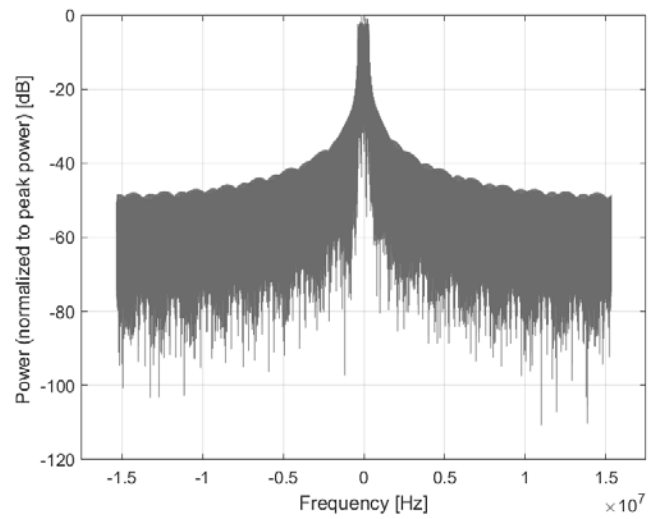
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 25.0 MHz  
Integration Time: 10.0 ms

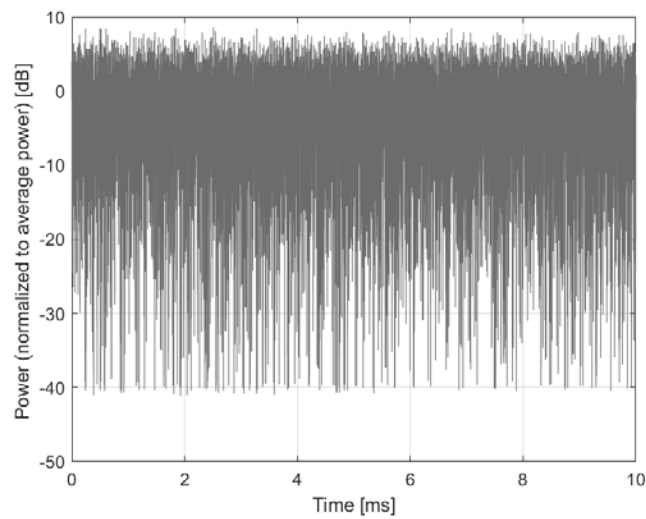
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)**

Group: 5G NR FR1 TDD  
UID: 10834-AAE

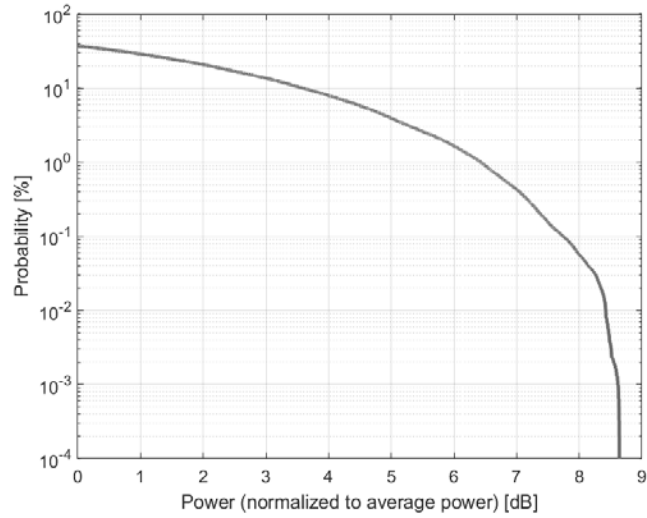
PAR: <sup>1</sup> **7.75 dB**  
MIF: <sup>2</sup> **-16.48 dB**

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 n50 (1432 - 1517 MHz)  
Band n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

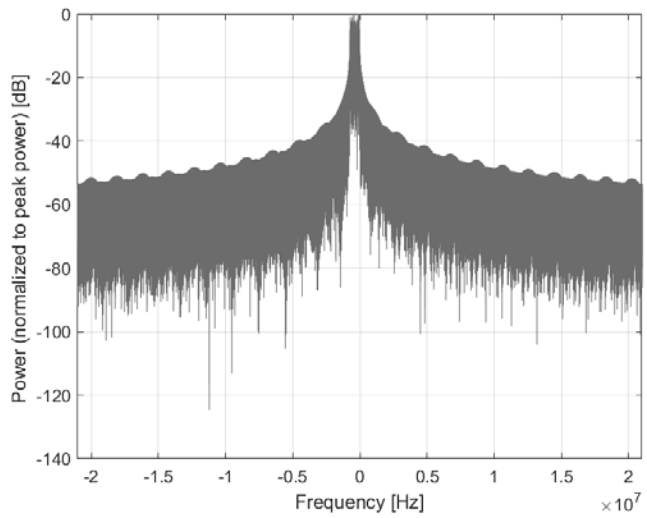
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 30.0 MHz  
Integration Time: 10.0 ms

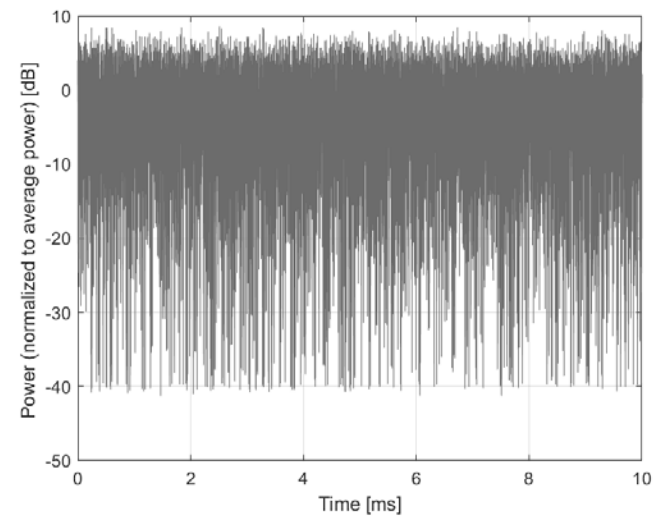
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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: **5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)**

Group: 5G NR FR1 TDD  
UID: 10835-AAF

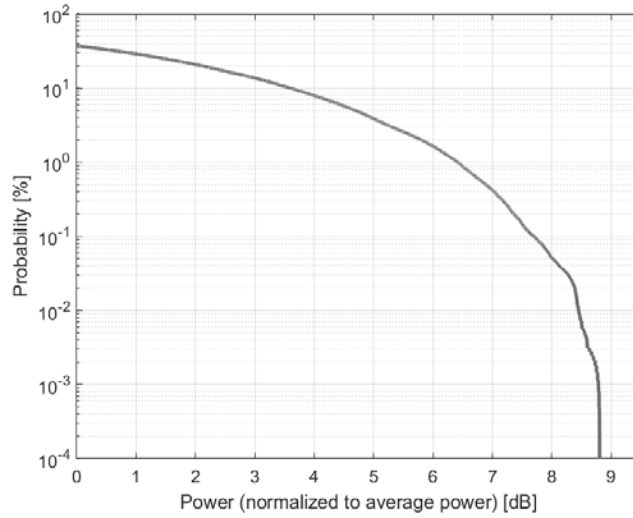
PAR: <sup>1</sup> **7.70 dB**  
MIF: <sup>2</sup> **-16.85 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

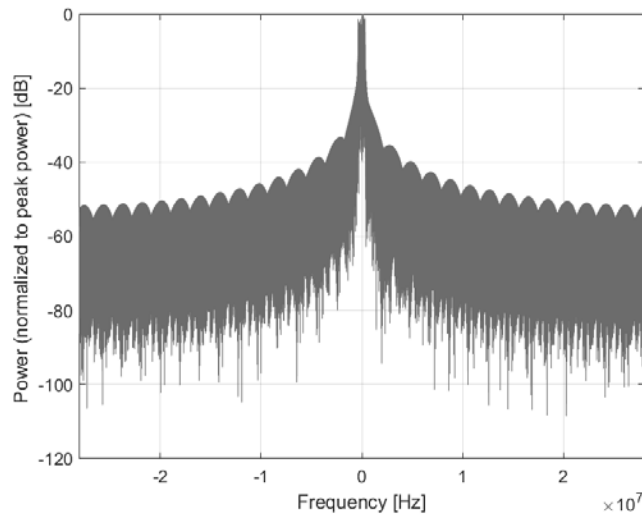
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 40.0 MHz  
Integration Time: 10.0 ms

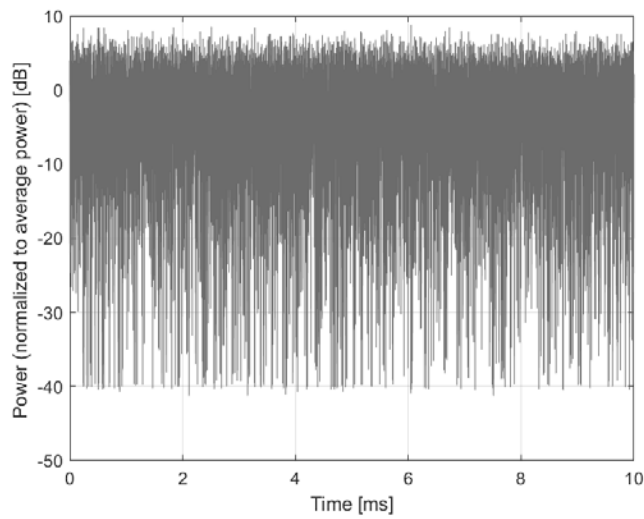
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)**

Group: 5G NR FR1 TDD  
UID: 10836-AAE

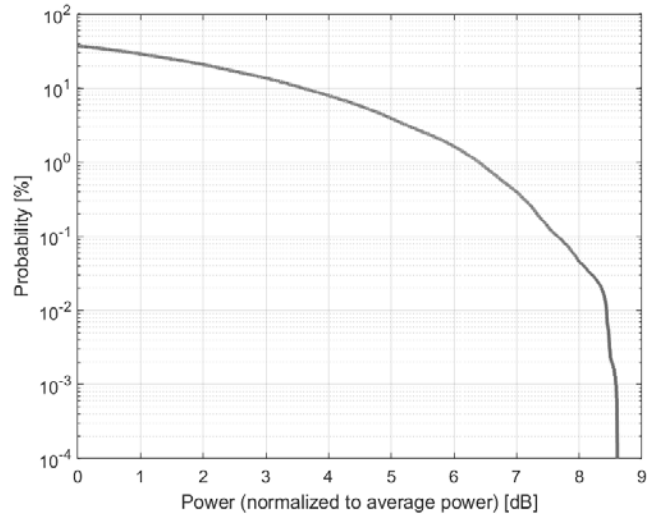
PAR: <sup>1</sup> **7.66 dB**  
MIF: <sup>2</sup> **-16.56 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

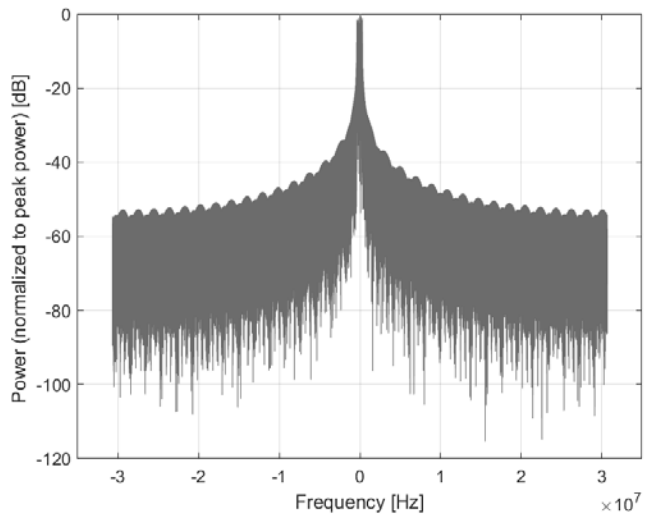
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 50.0 MHz  
Integration Time: 10.0 ms

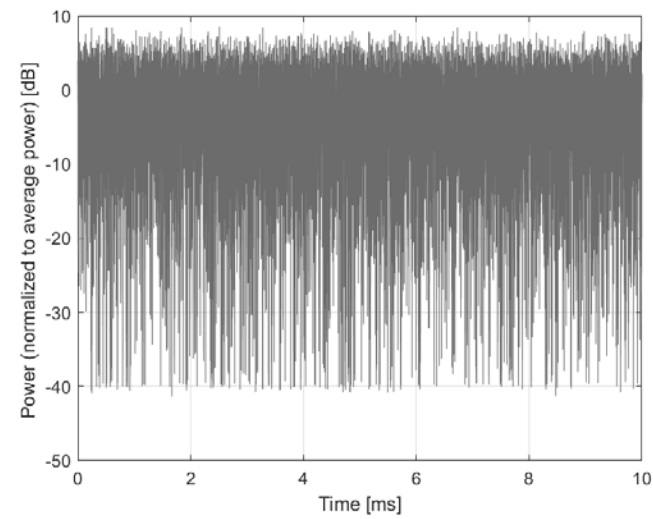
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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, 1 RB, 60 MHz, QPSK, 60 kHz)**

Group: 5G NR FR1 TDD  
UID: 10837-AAF

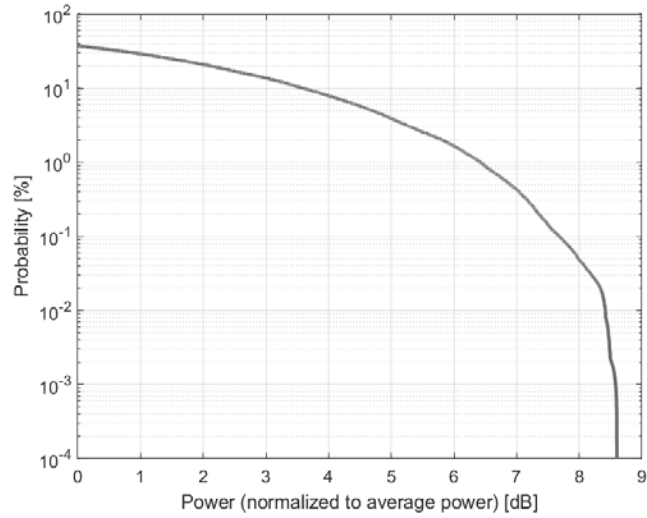
PAR: <sup>1</sup> **7.68 dB**  
MIF: <sup>2</sup> **-16.85 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

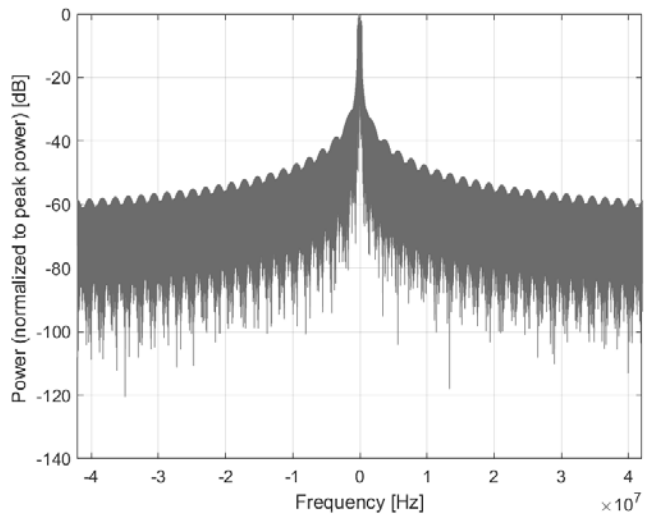
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 60.0 MHz  
Integration Time: 10.0 ms

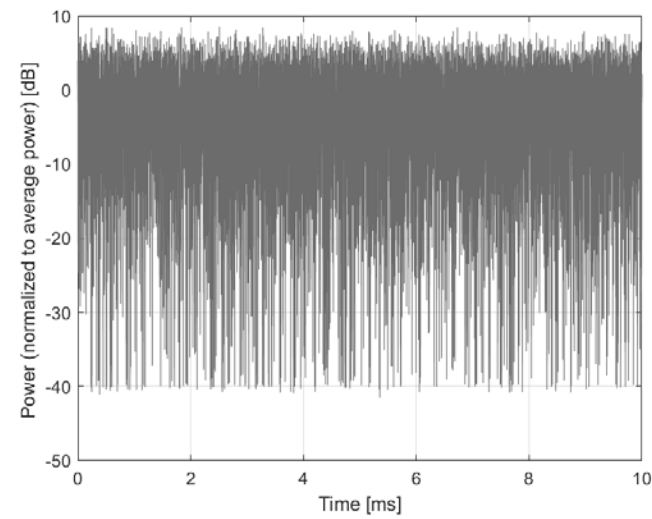
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)**

Group: 5G NR FR1 TDD  
UID: 10839-AAF

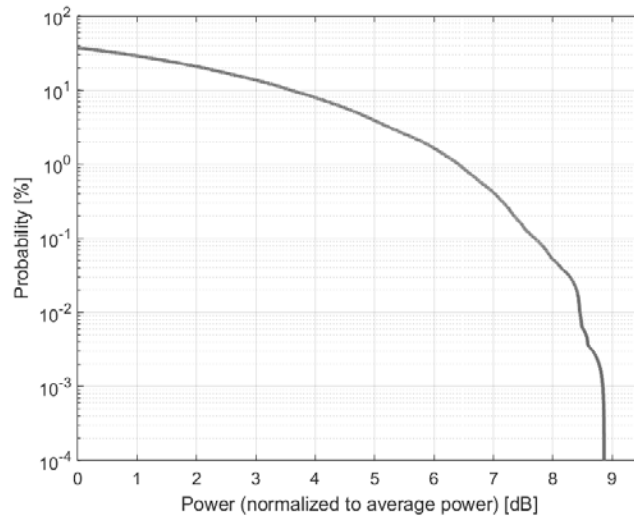
PAR: <sup>1</sup> **7.70 dB**  
MIF: <sup>2</sup> **-16.71 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

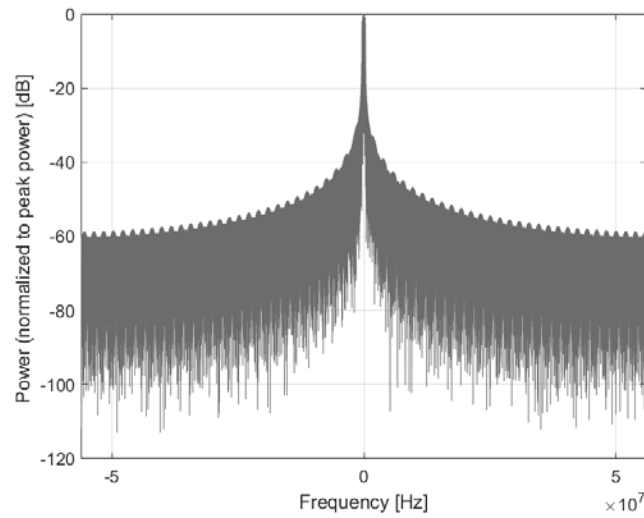
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 80.0 MHz  
Integration Time: 10.0 ms

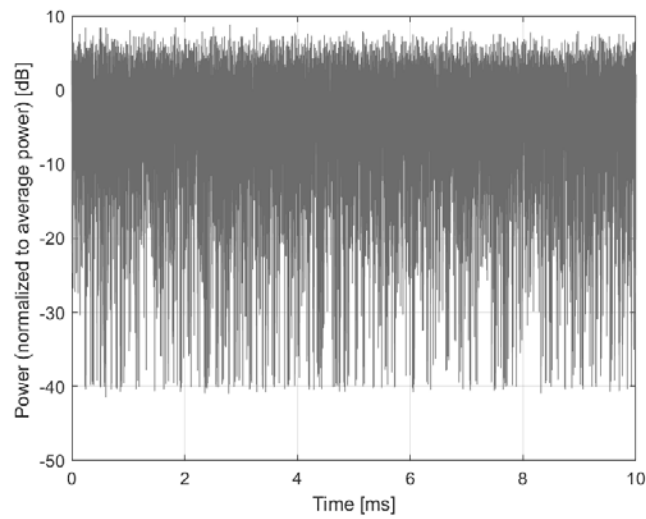
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)**

Group: 5G NR FR1 TDD  
UID: 10840-AAE

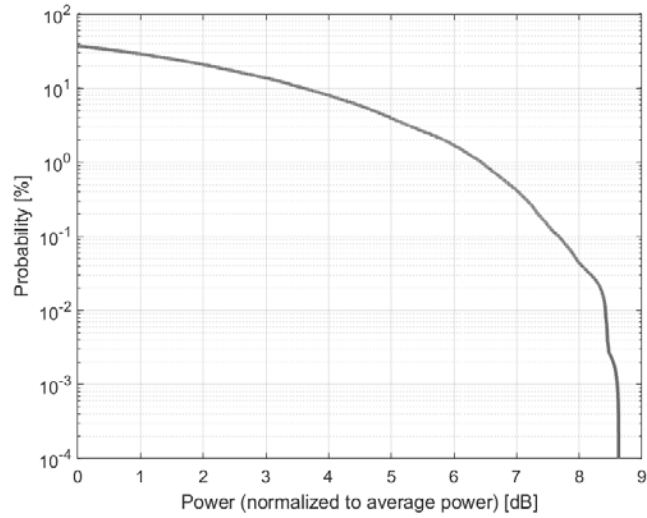
PAR: <sup>1</sup> **7.67 dB**  
MIF: <sup>2</sup> **-16.57 dB**

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 n90 (2496 - 2690 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

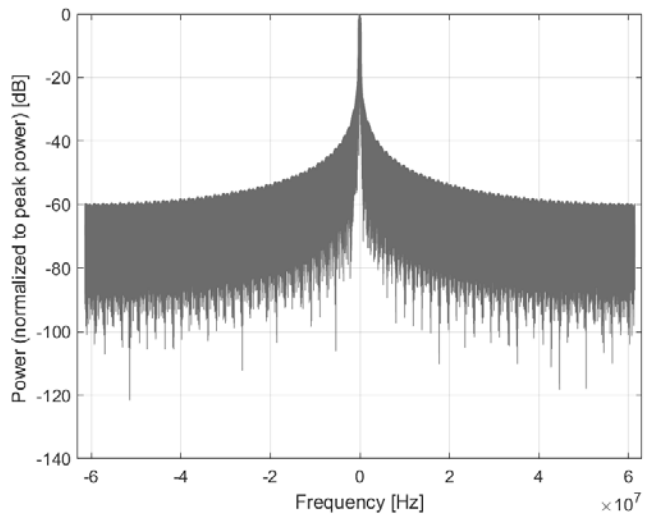
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 90.0 MHz  
Integration Time: 10.0 ms

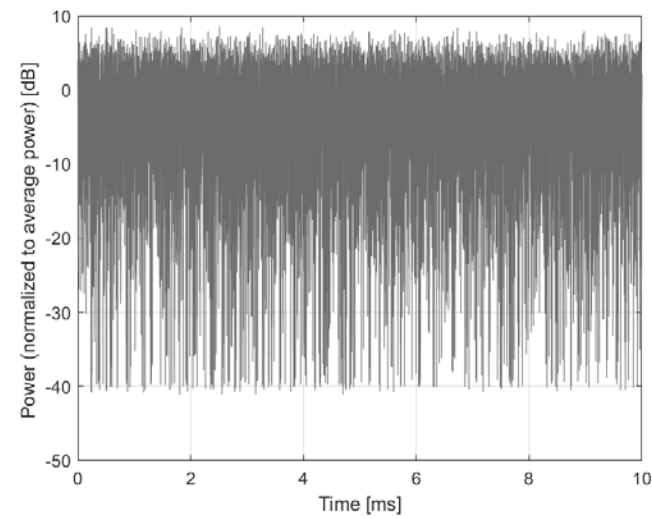
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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, 100 MHz, QPSK, 60 kHz)**

Group: 5G NR FR1 TDD  
UID: 10841-AAF

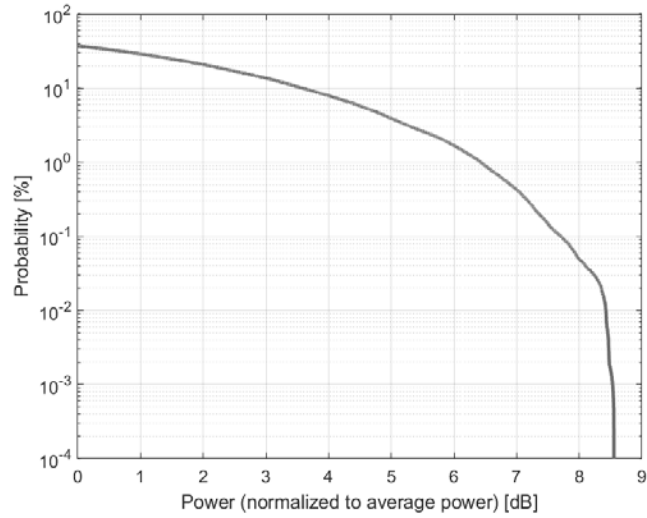
PAR: <sup>1</sup> **7.71 dB**  
MIF: <sup>2</sup> **-16.46 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

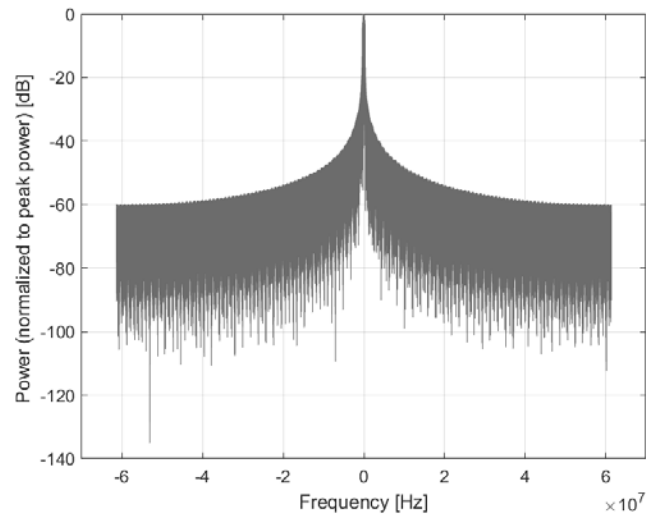
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 100.0 MHz  
Integration Time: 10.0 ms

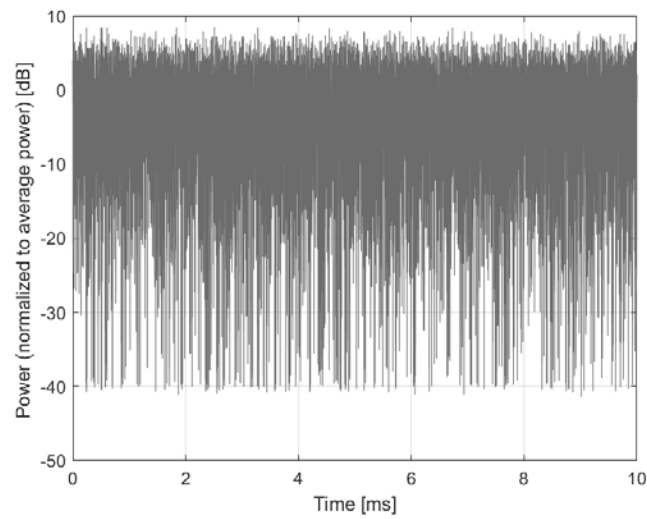
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)**

Group: 5G NR FR1 TDD  
UID: 10843-AAD

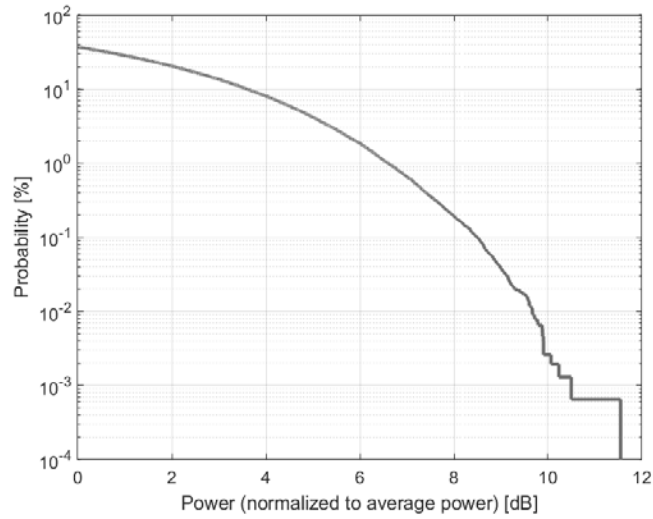
PAR: <sup>1</sup> **8.49 dB**  
MIF: <sup>2</sup> **-20.86 dB**

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 n90 (2496 - 2690 MHz)  
Validation band (0.0 - 6000.0 MHz)

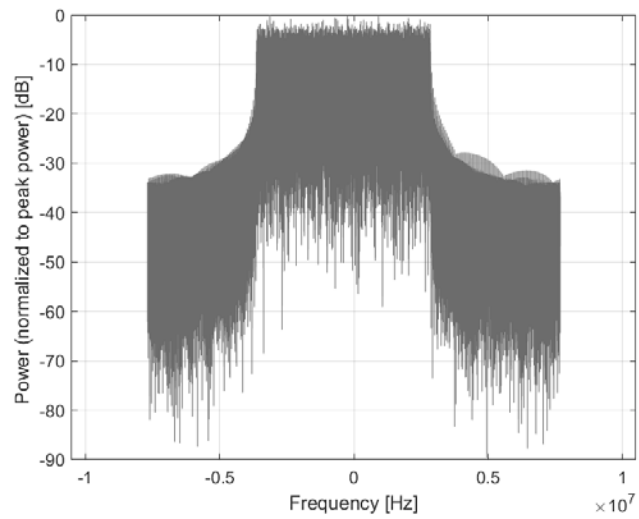
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 9  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 15.0 MHz  
Integration Time: 10.0 ms

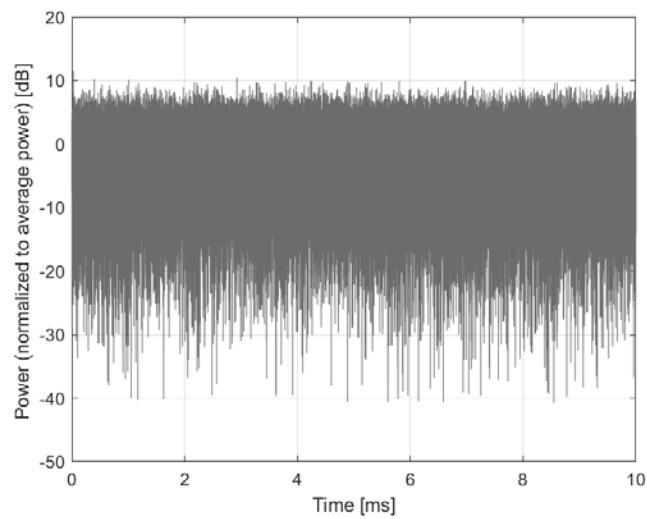
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)**

Group: 5G NR FR1 TDD  
UID: 10844-AAE

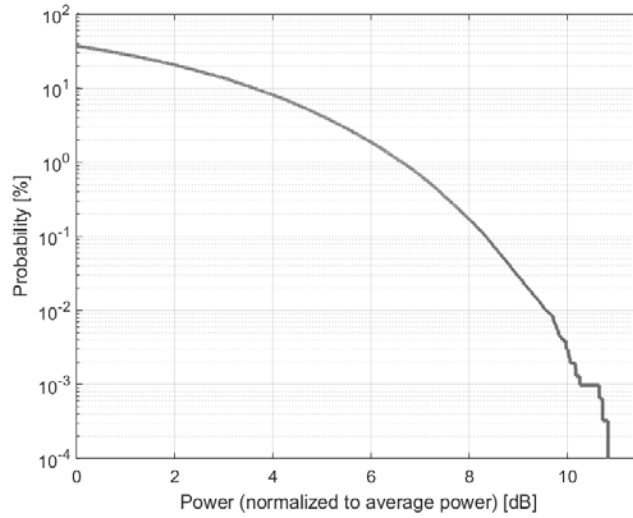
PAR: <sup>1</sup> **8.34 dB**  
MIF: <sup>2</sup> **-21.97 dB**

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 n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

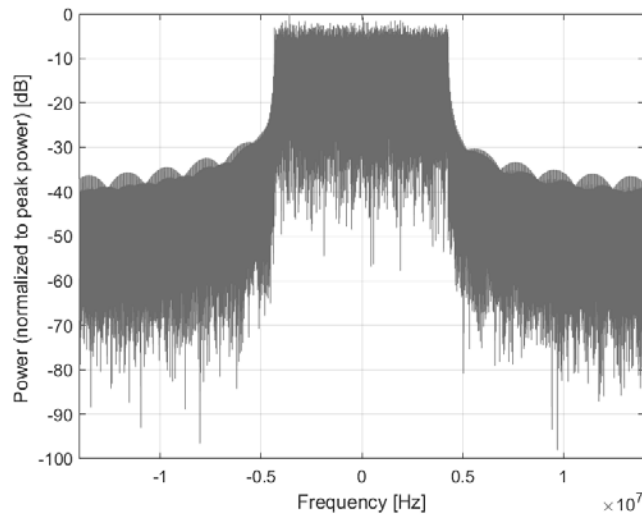
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 12  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 20.0 MHz  
Integration Time: 10.0 ms

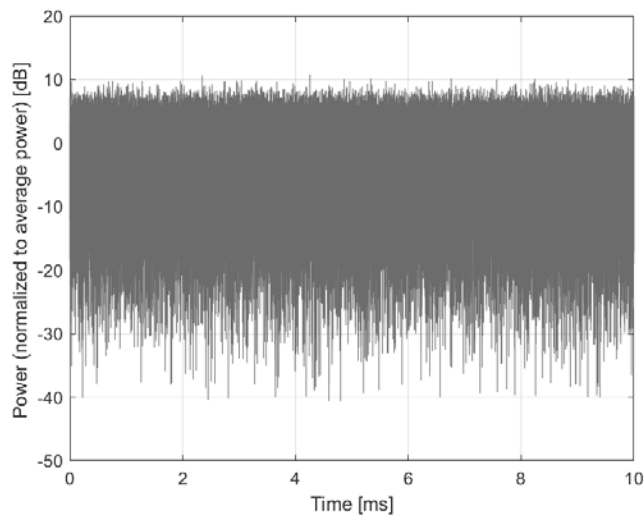
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)**

Group: 5G NR FR1 TDD  
UID: 10846-AAE

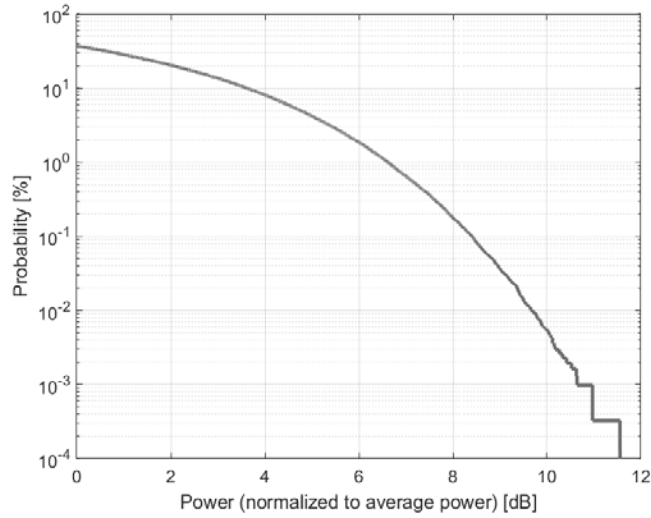
PAR: <sup>1</sup> **8.41 dB**  
MIF: <sup>2</sup> **-22.29 dB**

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 n50 (1432 - 1517 MHz)  
Band n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

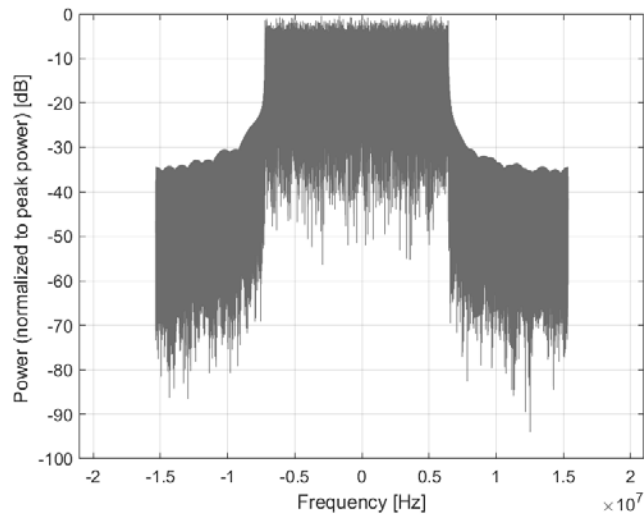
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 19  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 30.0 MHz  
Integration Time: 10.0 ms

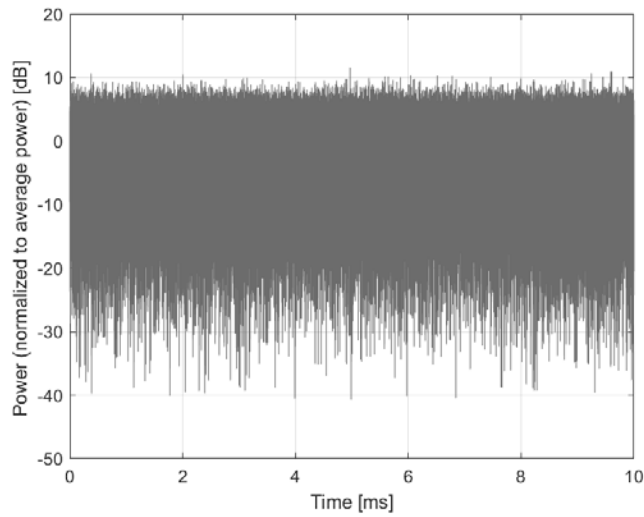
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same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



**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**

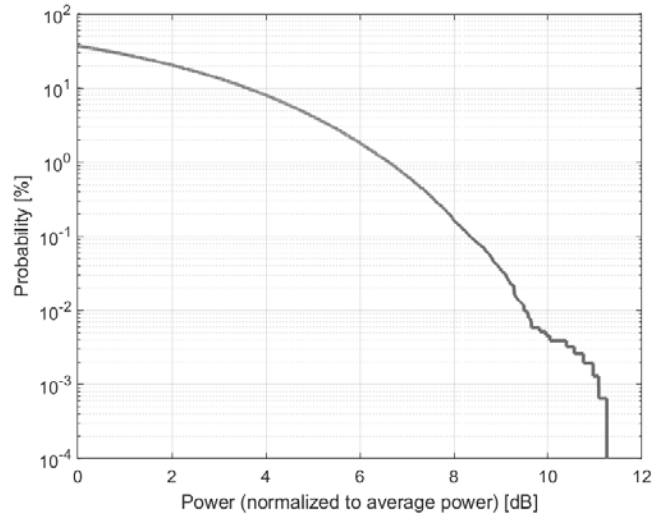


**Time Domain**

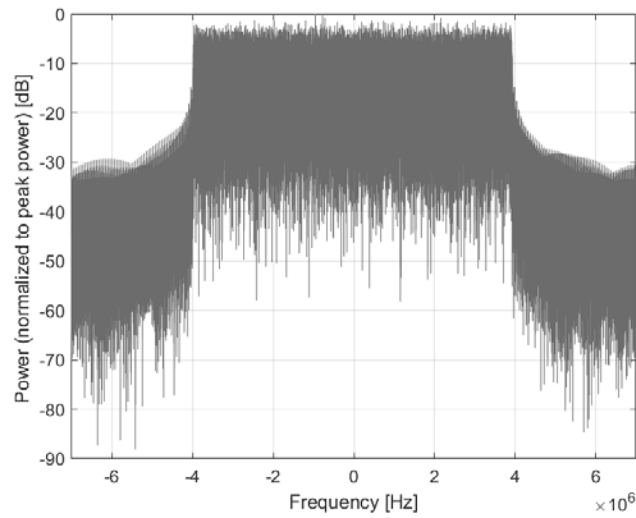
**Calibration Laboratory of  
Schmid & Partner  
Engineering AG**  
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name:	<b>5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)</b>
Group:	5G NR FR1 TDD
UID:	10854-AAE
PAR: <sup>1</sup>	<b>8.34 dB</b>
MIF: <sup>2</sup>	<b>-21.22 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 n53 (2483.5 - 2495 MHz) Band n90 (2496 - 2690 MHz) Band n47 (5855 - 5925 MHz) Band n46 (5150 - 5925 MHz) Band n101 (1900 - 1910 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Multiplexing Scheme: CP-OFDM Modulation Scheme: QPSK Subcarrier Spacing: 60 kHz Number RBs: 11 Slot Format Index: 1 Data Type: PN9
Bandwidth:	10.0 MHz
Integration Time:	10.0 ms

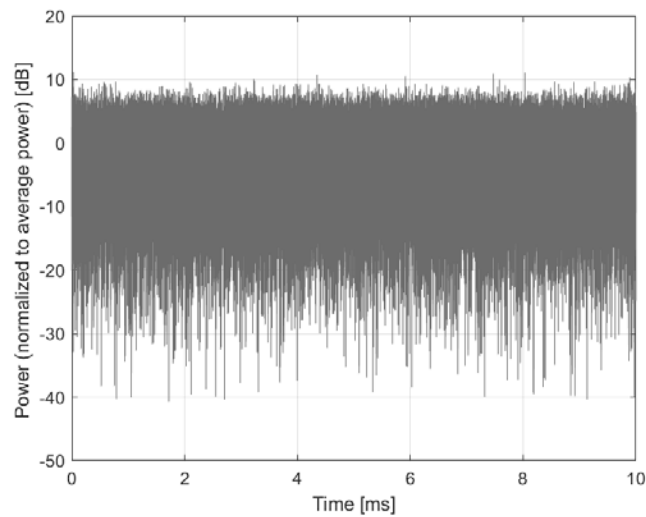
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)**

Group: 5G NR FR1 TDD  
UID: 10855-AAD

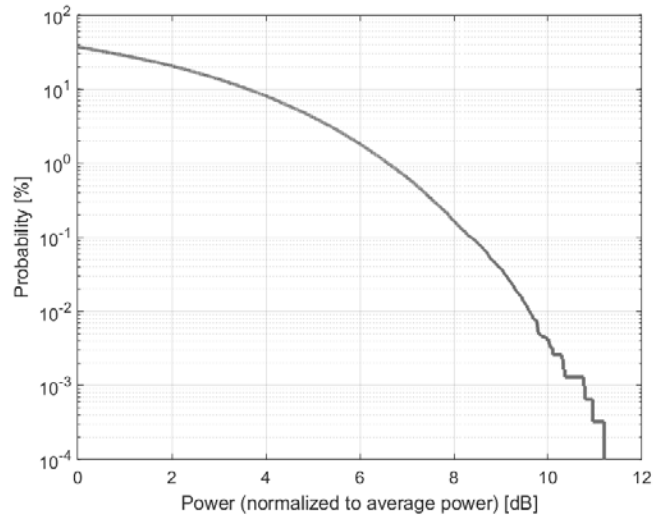
PAR: <sup>1</sup> **8.36 dB**  
MIF: <sup>2</sup> **-22.79 dB**

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 n90 (2496 - 2690 MHz)  
Validation band (0.0 - 6000.0 MHz)

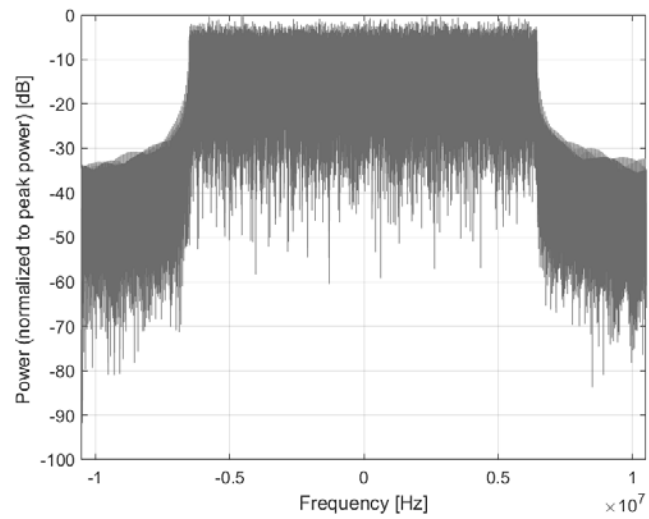
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 18  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 15.0 MHz  
Integration Time: 10.0 ms

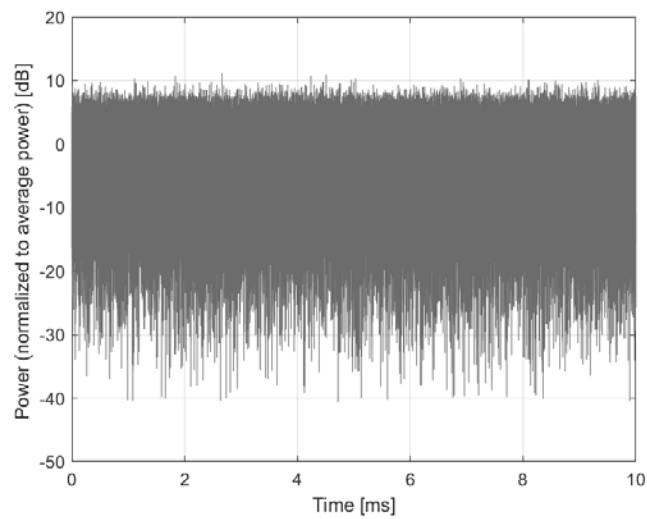
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same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



**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**

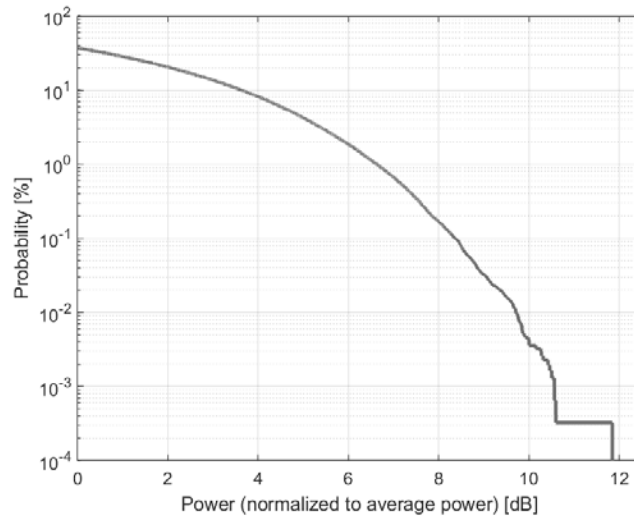


**Time Domain**

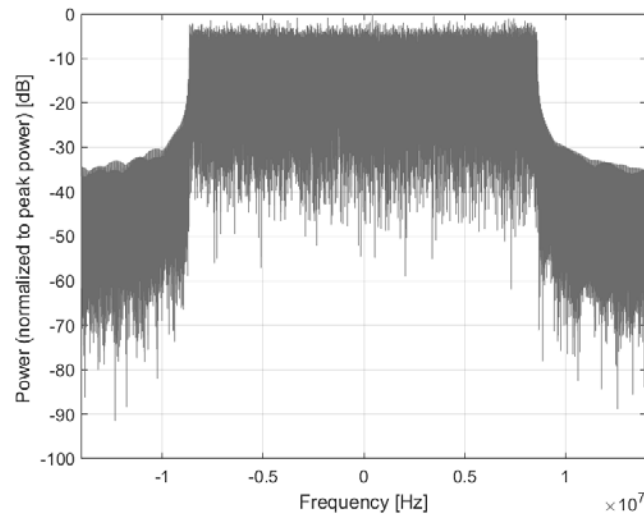
**Calibration Laboratory of  
Schmid & Partner  
Engineering AG**  
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name:	<b>5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)</b>
Group:	5G NR FR1 TDD
UID:	10856-AAE
PAR: <sup>1</sup>	<b>8.37 dB</b>
MIF: <sup>2</sup>	<b>-23.39 dB</b>
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 n90 (2496 - 2690 MHz) Band n47 (5855 - 5925 MHz) Band n46 (5150 - 5925 MHz) Band n96 (5925 - 7125 MHz) Band n102 (5925 - 6425 MHz) Band n104 (6425 - 7125 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Multiplexing Scheme: CP-OFDM Modulation Scheme: QPSK Subcarrier Spacing: 60 kHz Number RBs: 24 Slot Format Index: 1 Data Type: PN9
Bandwidth:	20.0 MHz
Integration Time:	10.0 ms

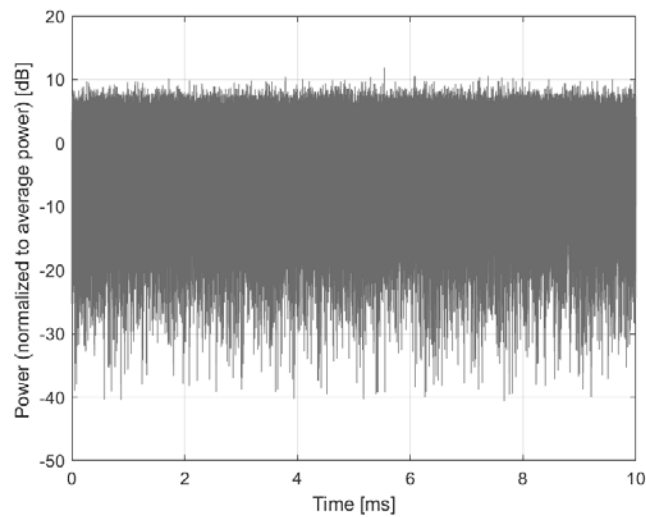
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same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



**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**



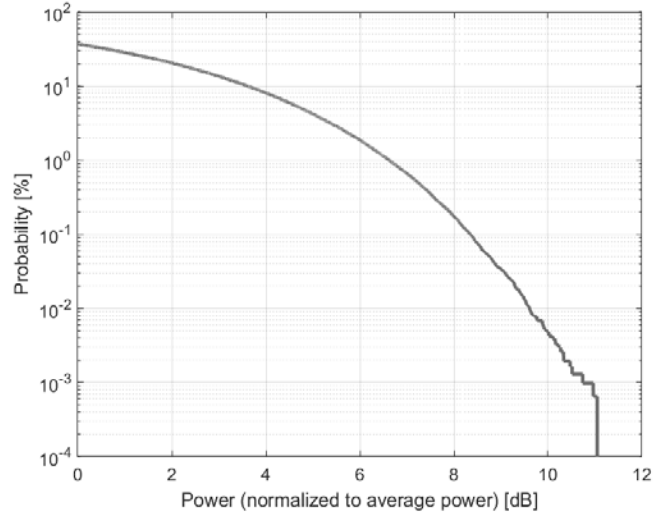
**Time Domain**



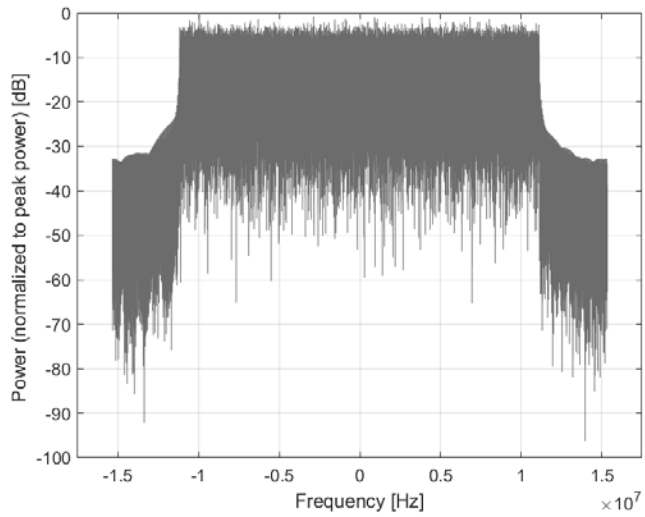
**Calibration Laboratory of  
Schmid & Partner  
Engineering AG**  
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name:	<b>5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)</b>
Group:	5G NR FR1 TDD
UID:	10857-AAD
PAR: <sup>1</sup>	<b>8.35 dB</b>
MIF: <sup>2</sup>	<b>-23.88 dB</b>
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 n77 (3300 - 4200 MHz) Band n78 (3300 - 3800 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Multiplexing Scheme: CP-OFDM Modulation Scheme: QPSK Subcarrier Spacing: 60 kHz Number RBs: 31 Slot Format Index: 1 Data Type: PN9
Bandwidth:	25.0 MHz
Integration Time:	10.0 ms

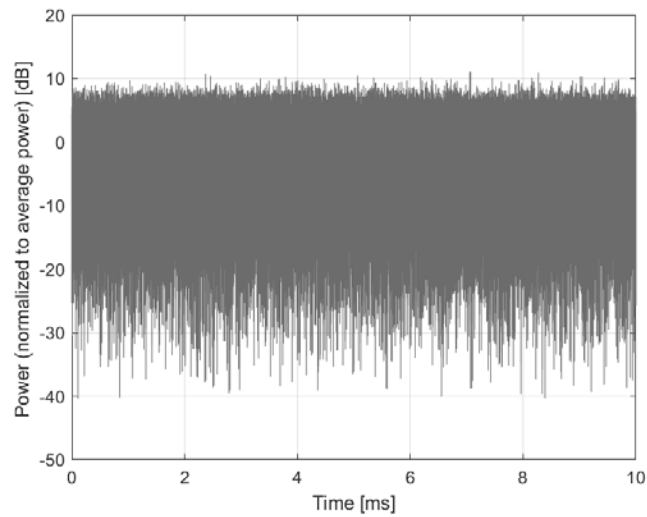
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)**

Group: 5G NR FR1 TDD  
UID: 10858-AAE

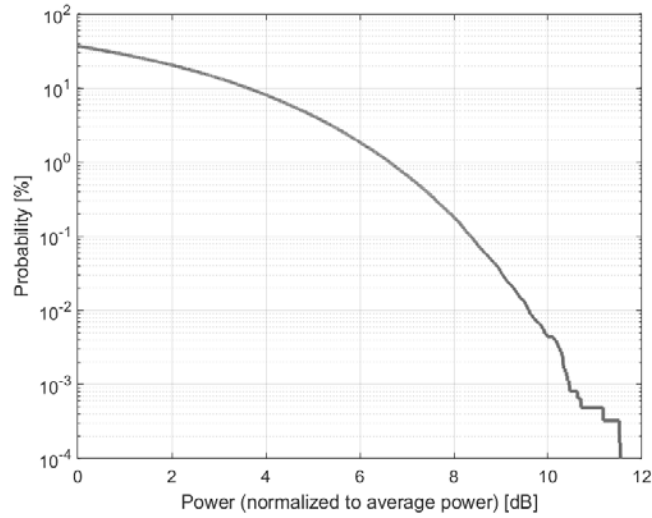
PAR: <sup>1</sup> **8.36 dB**  
MIF: <sup>2</sup> **-24.52 dB**

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 n50 (1432 - 1517 MHz)  
Band n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

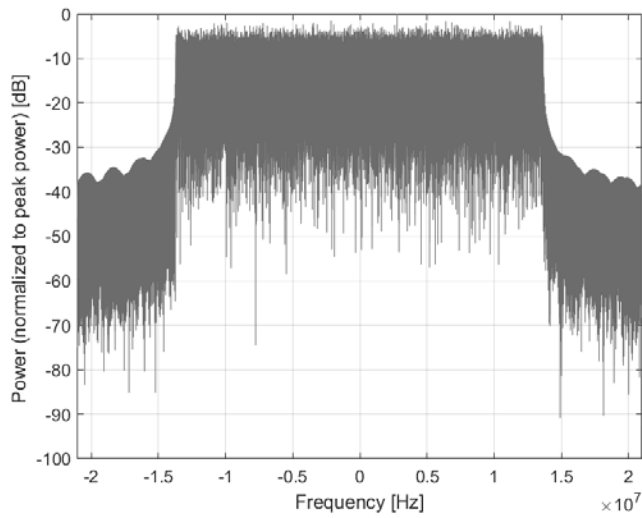
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 38  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 30.0 MHz  
Integration Time: 10.0 ms

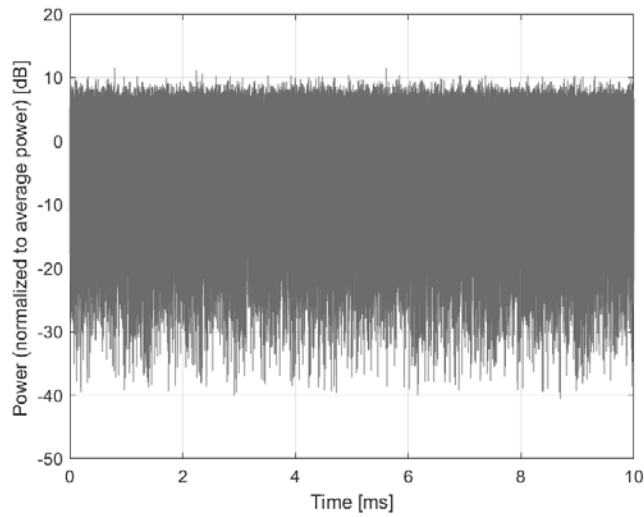
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)**

Group: 5G NR FR1 TDD  
UID: 10859-AAF

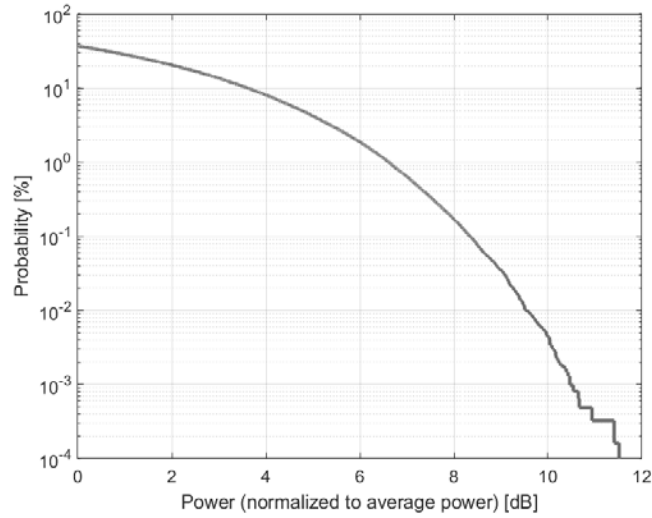
PAR: <sup>1</sup> **8.34 dB**  
MIF: <sup>2</sup> **-24.92 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n47 (5855 - 5925 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

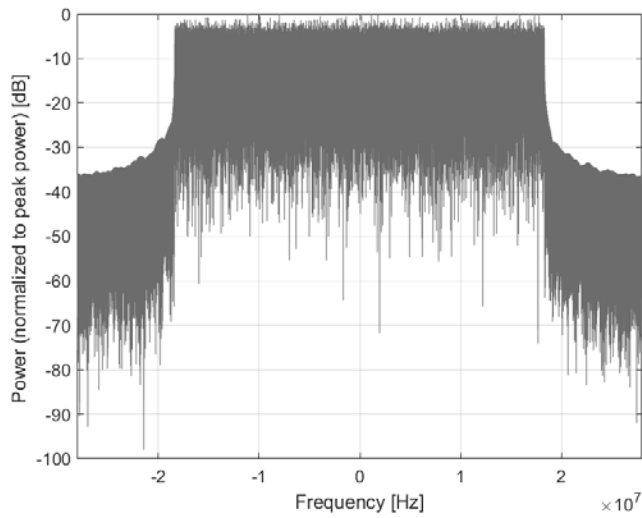
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 51  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 40.0 MHz  
Integration Time: 10.0 ms

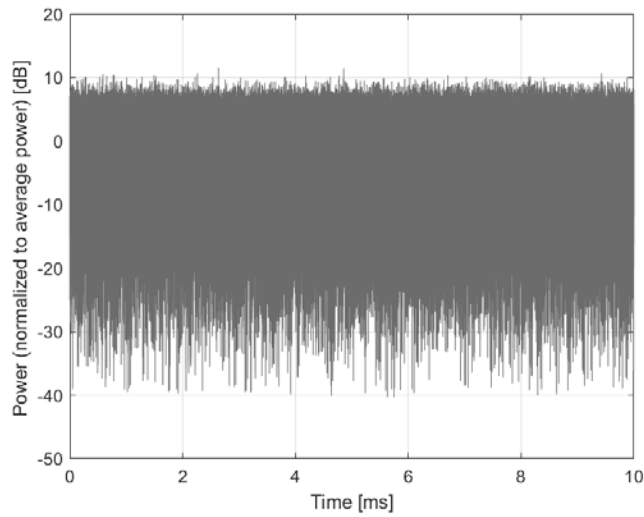
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)**

Group: 5G NR FR1 TDD  
UID: 10860-AAE

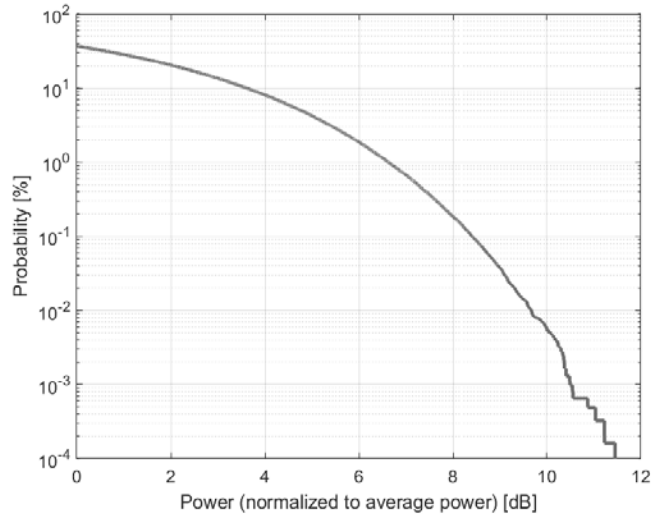
PAR: <sup>1</sup> **8.41 dB**  
MIF: <sup>2</sup> **-25.11 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

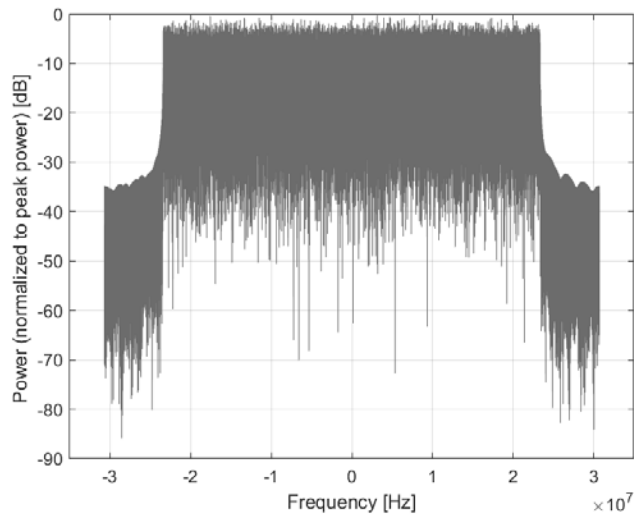
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 65  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 50.0 MHz  
Integration Time: 10.0 ms

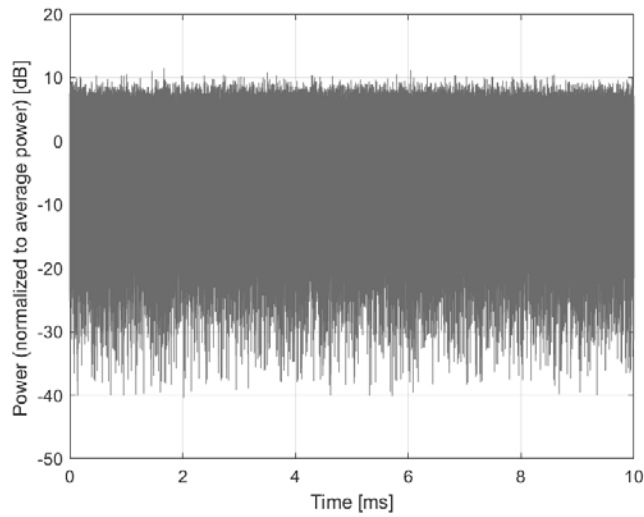
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same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



**Complementary Cumulative Distribution Function (CCDF)**



**Frequency Domain**



**Time Domain**



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

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

Group: 5G NR FR1 TDD  
UID: 10861-AAF

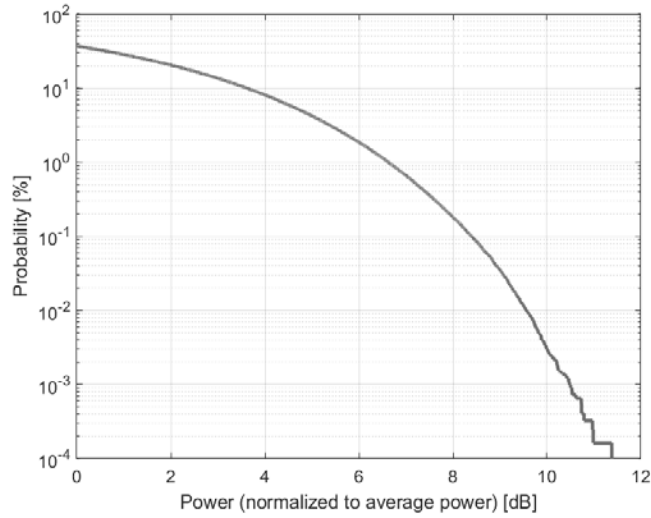
PAR: <sup>1</sup> **8.40 dB**  
MIF: <sup>2</sup> **-25.74 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

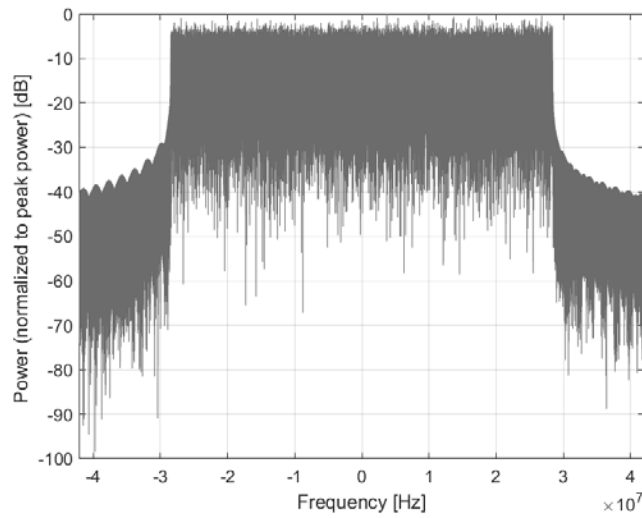
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 79  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 60.0 MHz  
Integration Time: 10.0 ms

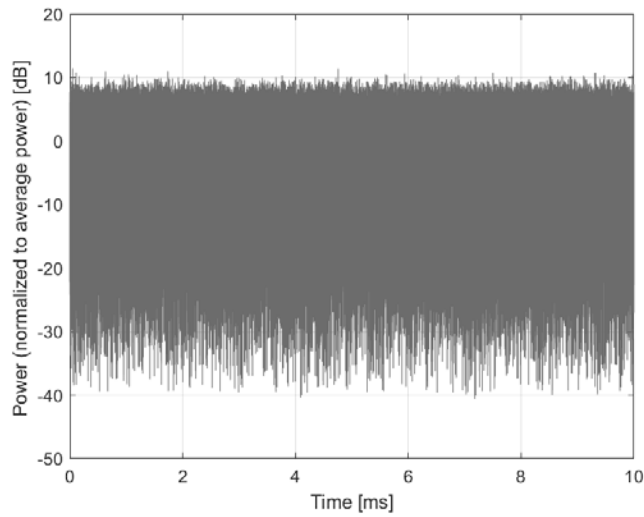
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)**

Group: 5G NR FR1 TDD  
UID: 10863-AAF

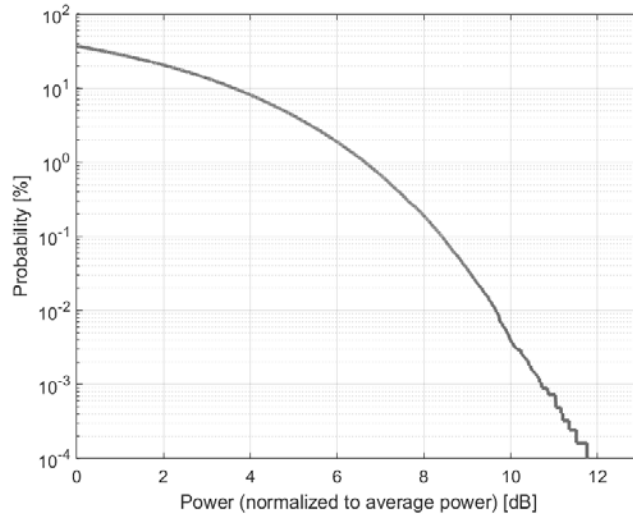
PAR: <sup>1</sup> **8.41 dB**  
MIF: <sup>2</sup> **-26.63 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

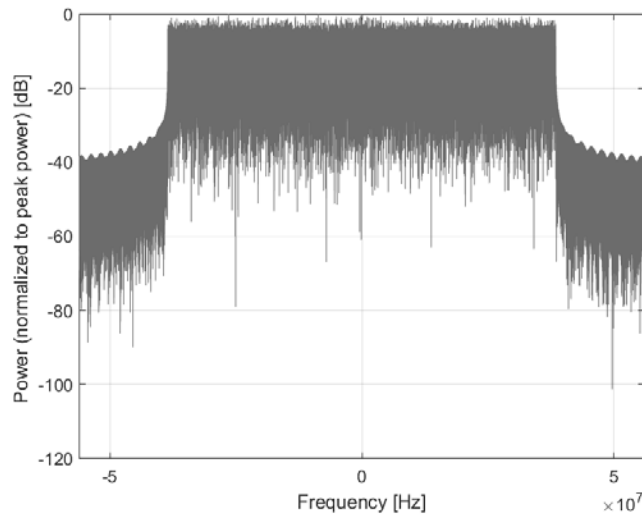
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 107  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 80.0 MHz  
Integration Time: 10.0 ms

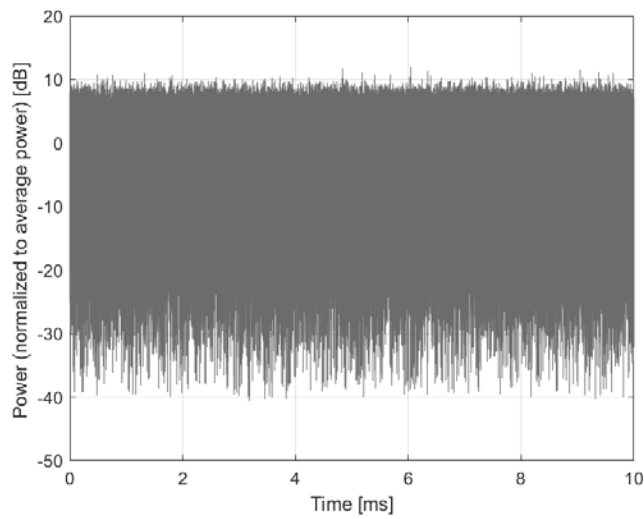
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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 (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)**

Group: 5G NR FR1 TDD  
UID: 10864-AAE

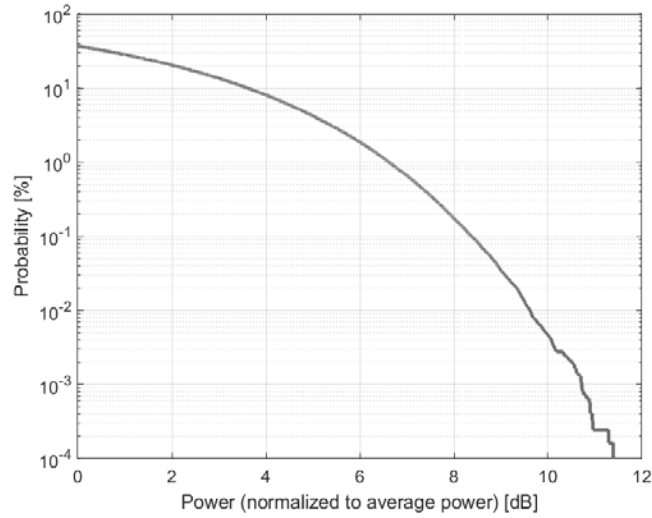
PAR: <sup>1</sup> **8.37 dB**  
MIF: <sup>2</sup> **-27.49 dB**

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 n90 (2496 - 2690 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

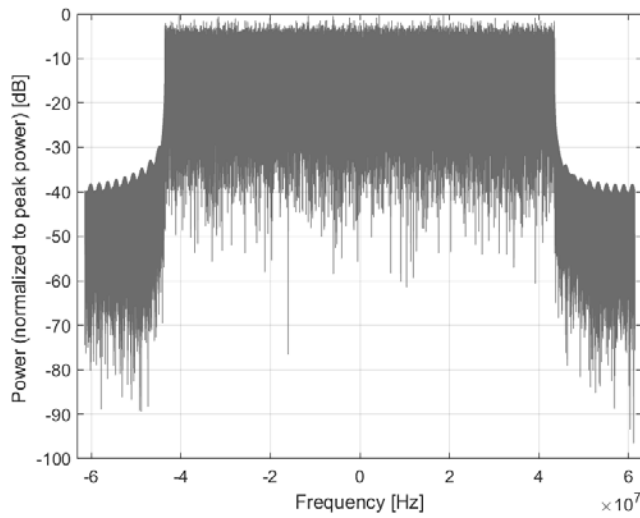
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 121  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 90.0 MHz  
Integration Time: 10.0 ms

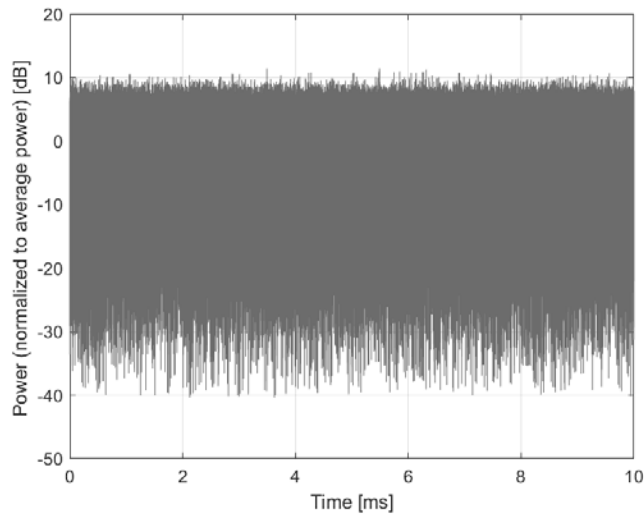
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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, 100 MHz, QPSK, 60 kHz)**

Group: 5G NR FR1 TDD  
UID: 10865-AAF

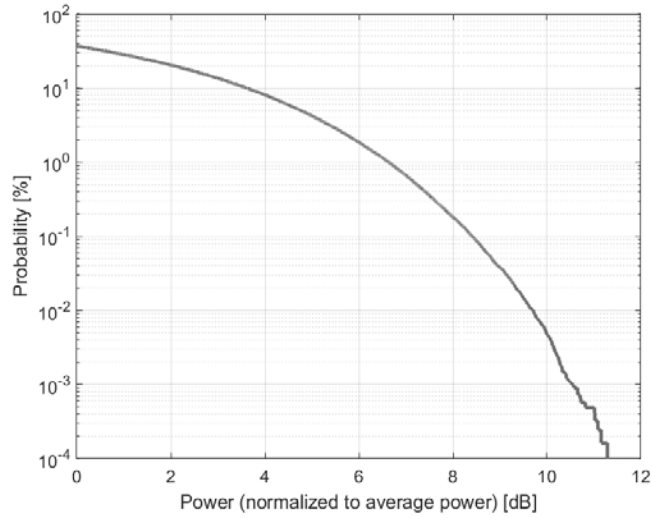
PAR: <sup>1</sup> **8.41 dB**  
MIF: <sup>2</sup> **-26.96 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

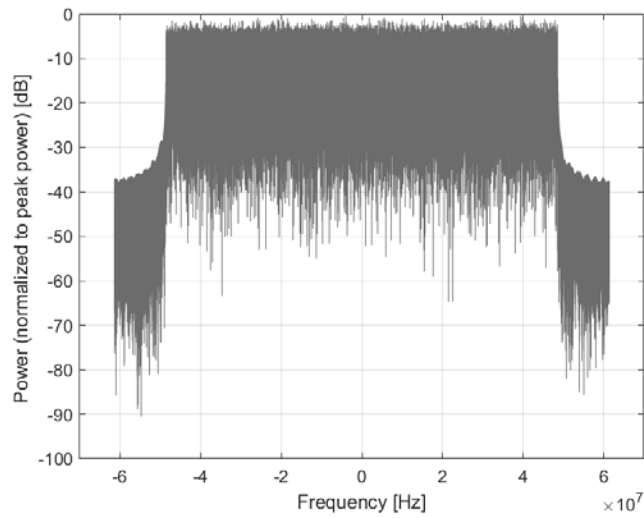
Detailed Specification: Multiplexing Scheme: CP-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 60 kHz  
Number RBs: 135  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 100.0 MHz  
Integration Time: 10.0 ms

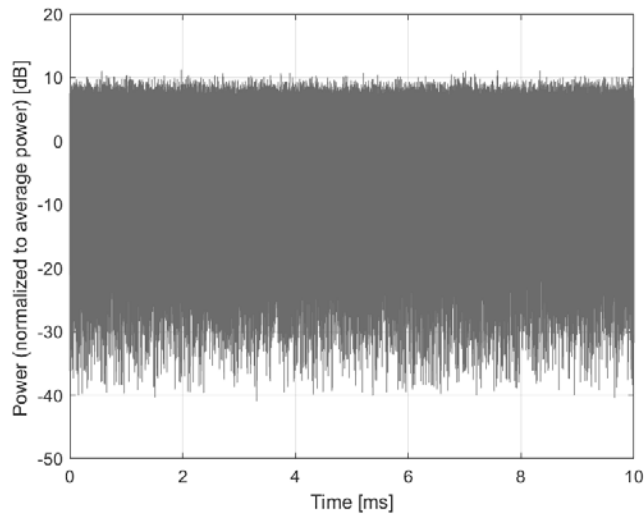
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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, 1 RB, 100 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10866-AAF

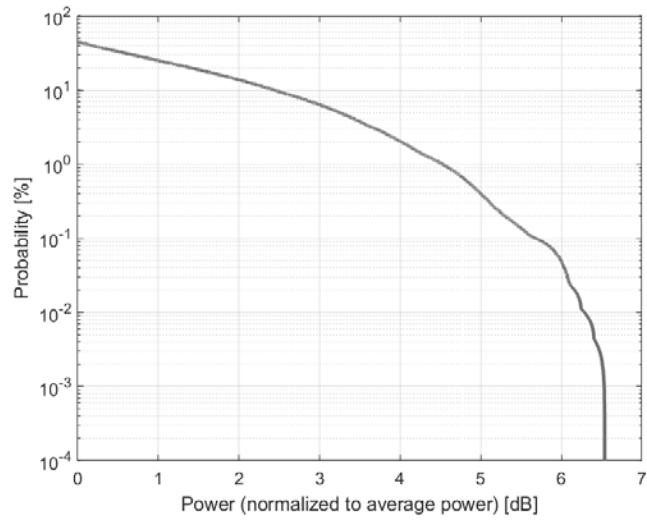
PAR: <sup>1</sup> **5.68 dB**  
MIF: <sup>2</sup> **-16.69 dB**

Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n41 (2496 - 2690 MHz)  
Band n48 (3550 - 3700 MHz)  
Band n77 (3300 - 4200 MHz)  
Band n78 (3300 - 3800 MHz)  
Band n79 (4400 - 5000 MHz)  
Band n90 (2496 - 2690 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

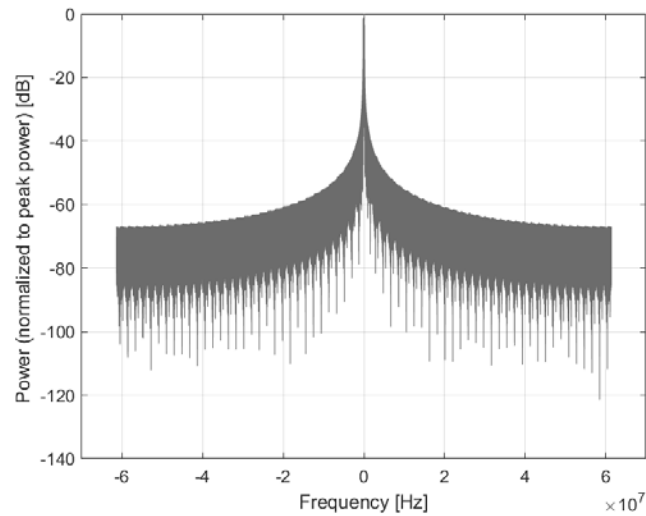
Detailed Specification: Multiplexing Scheme: DFT-s-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 100.0 MHz  
Integration Time: 10.0 ms

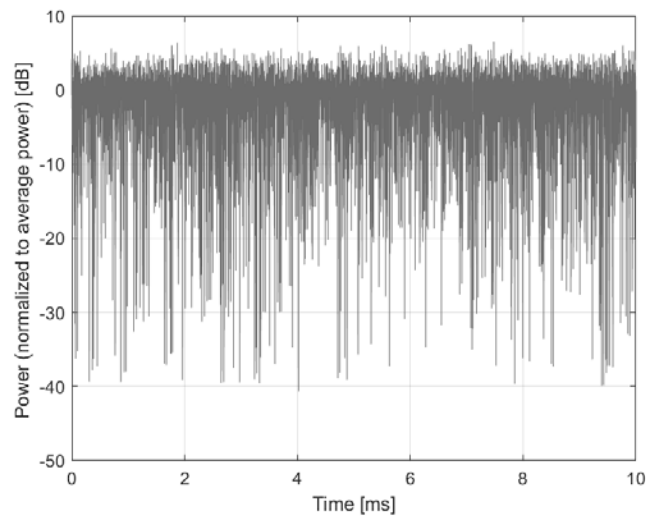
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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, 100 MHz, QPSK, 30 kHz)**

Group: 5G NR FR1 TDD  
UID: 10868-AAF

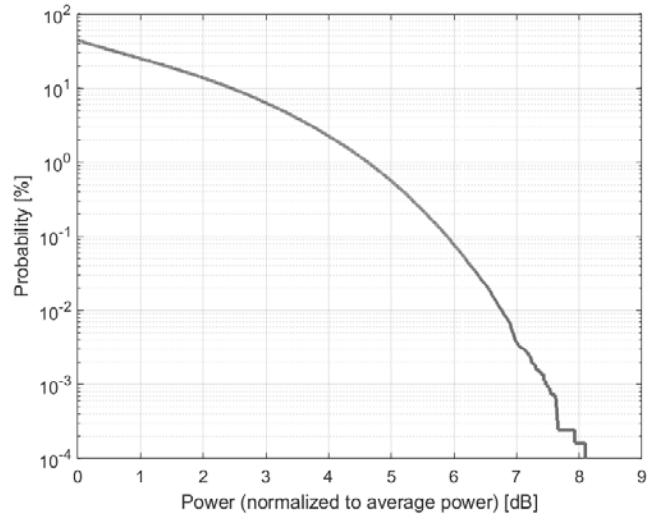
PAR: <sup>1</sup> **5.89 dB**  
MIF: <sup>2</sup> **-20.47 dB**

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)  
Band n90 (2496 - 2690 MHz)  
Band n46 (5150 - 5925 MHz)  
Band n96 (5925 - 7125 MHz)  
Band n102 (5925 - 6425 MHz)  
Band n104 (6425 - 7125 MHz)  
Validation band (0.0 - 6000.0 MHz)

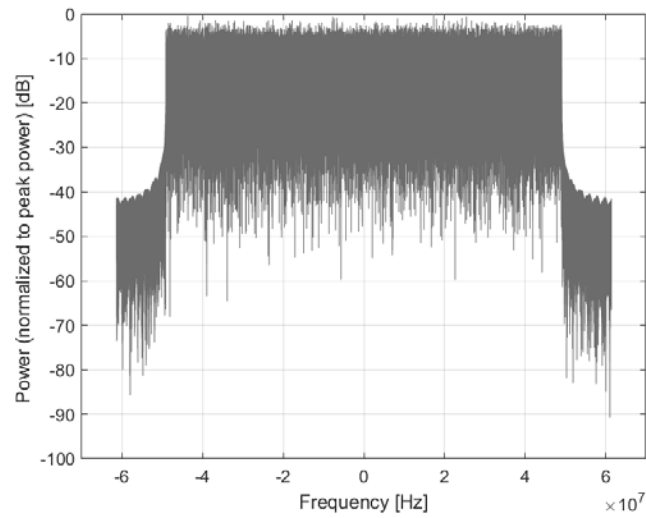
Detailed Specification: Multiplexing Scheme: DFT-s-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 30 kHz  
Number RBs: 273  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 100.0 MHz  
Integration Time: 10.0 ms

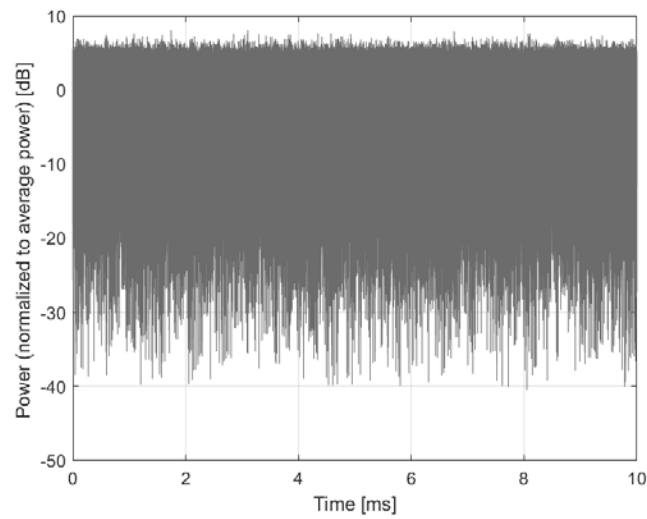
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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, 1 RB, 100 MHz, QPSK, 120 kHz)**

Group: 5G NR FR2 TDD  
UID: 10869-AAE

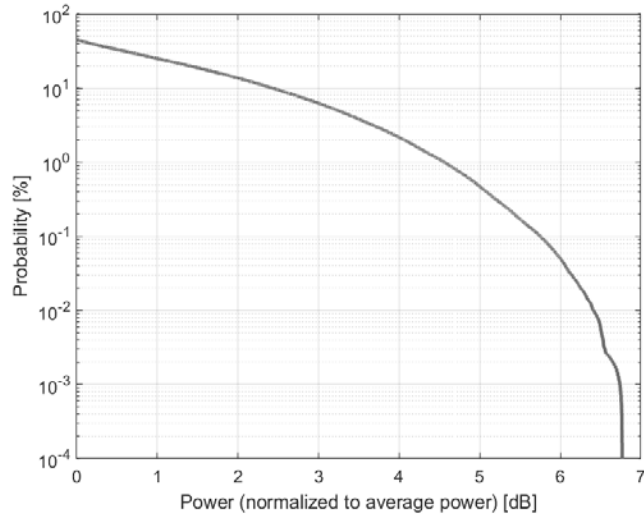
PAR: <sup>1</sup> **5.75 dB**  
MIF: <sup>2</sup> **-19.60 dB**

Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n257 (26500 - 29500 MHz)  
Band n258 (24200 - 27500 MHz)  
Band n260 (37000 - 40000 MHz)  
Band n261 (27500 - 28350 MHz)  
Band n262 (47200 - 48200 MHz)  
Validation band (0.0 - 6000.0 MHz)

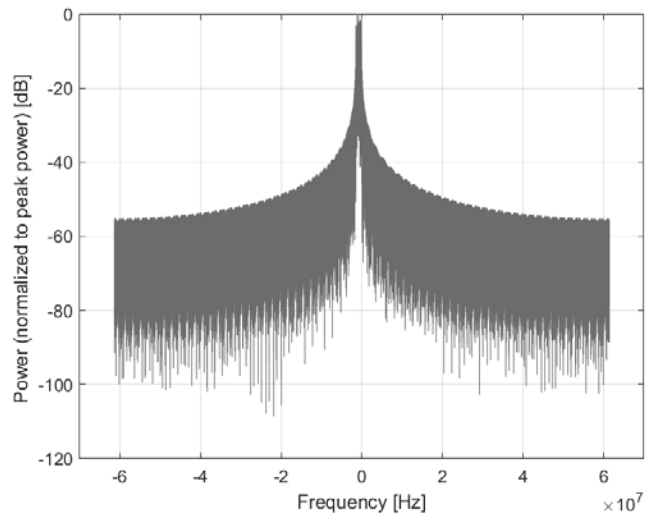
Detailed Specification: Multiplexing Scheme: DFT-s-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 120 kHz  
Number RBs: 1  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 100.0 MHz  
Integration Time: 10.0 ms

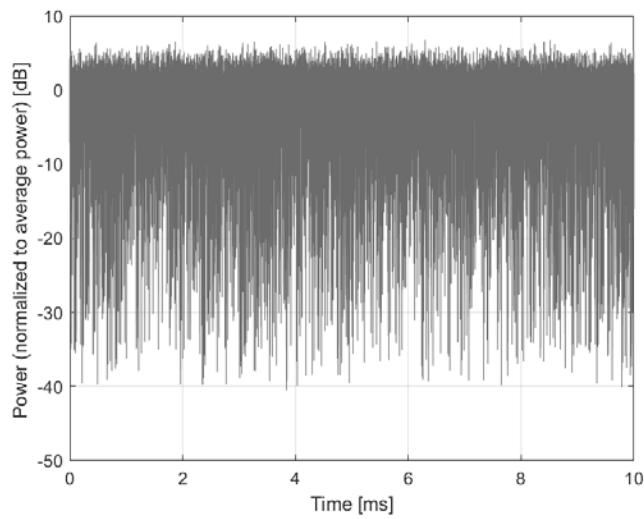
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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, 100 MHz, QPSK, 120 kHz)**

Group: 5G NR FR2 TDD  
UID: 10870-AAE

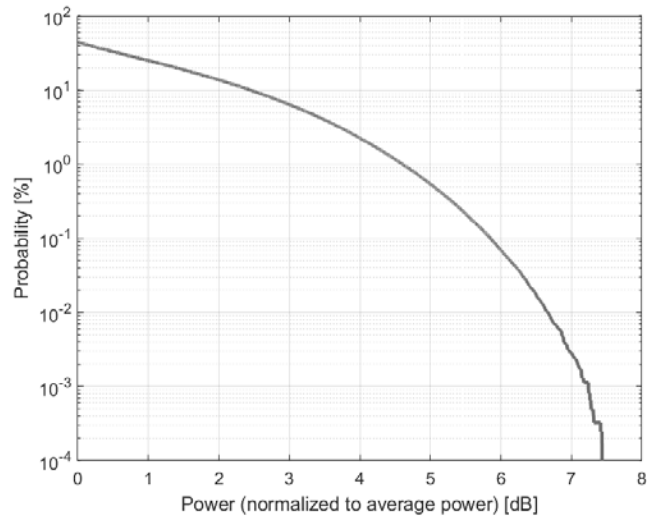
PAR: <sup>1</sup> **5.86 dB**  
MIF: <sup>2</sup> **-28.74 dB**

Standard Reference: SPEAG  
Category: Random amplitude modulation  
Modulation: QPSK  
Frequency Band: Band n257 (26500 - 29500 MHz)  
Band n258 (24200 - 27500 MHz)  
Band n260 (37000 - 40000 MHz)  
Band n261 (27500 - 28350 MHz)  
Band n262 (47200 - 48200 MHz)  
Validation band (0.0 - 6000.0 MHz)

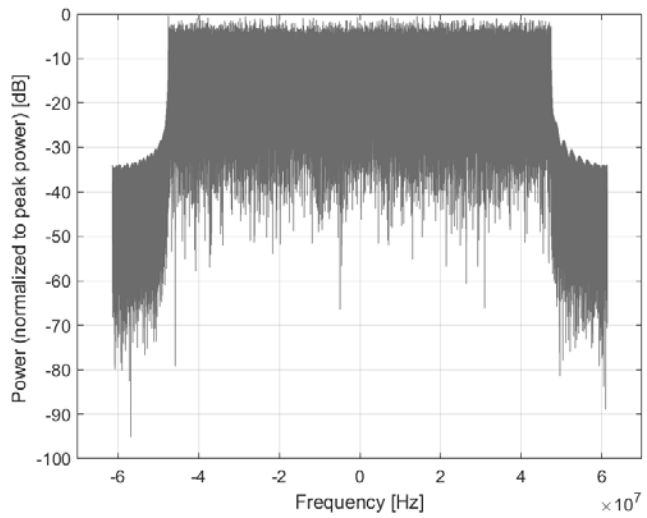
Detailed Specification: Multiplexing Scheme: DFT-s-OFDM  
Modulation Scheme: QPSK  
Subcarrier Spacing: 120 kHz  
Number RBs: 66  
Slot Format Index: 1  
Data Type: PN9

Bandwidth: 100.0 MHz  
Integration Time: 10.0 ms

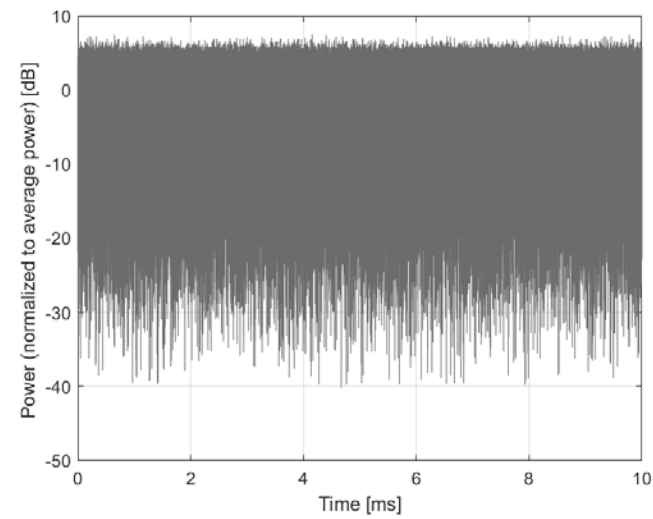
<sup>1</sup> PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"  
<sup>2</sup> Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same 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, 1 RB, 100 MHz, 16QAM, 120 kHz)**

Group: 5G NR FR2 TDD  
UID: 10871-AAE

PAR: <sup>1</sup> **5.75 dB**  
MIF: <sup>2</sup> **-19.60 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)  
Band n262 (47200 - 48200 MHz)  
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Multiplexing Scheme: DFT-s-OFDM  
Modulation Scheme: 16QAM  
Subcarrier Spacing: 120 kHz  
Number RBs: 1  
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).