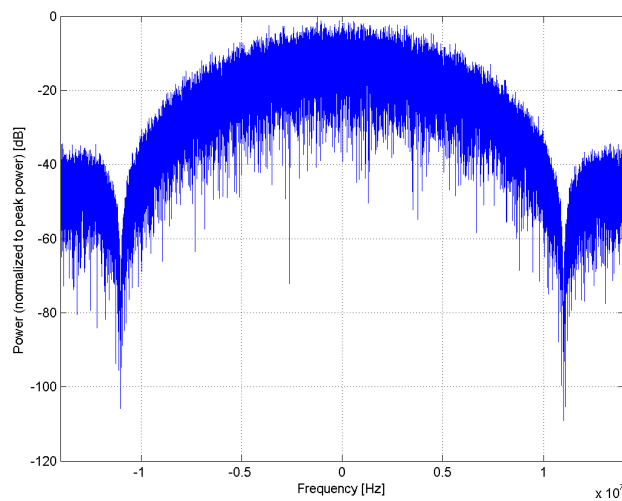
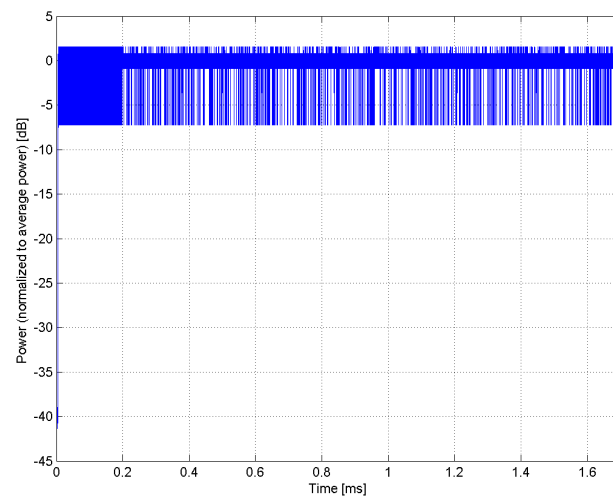


Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)**

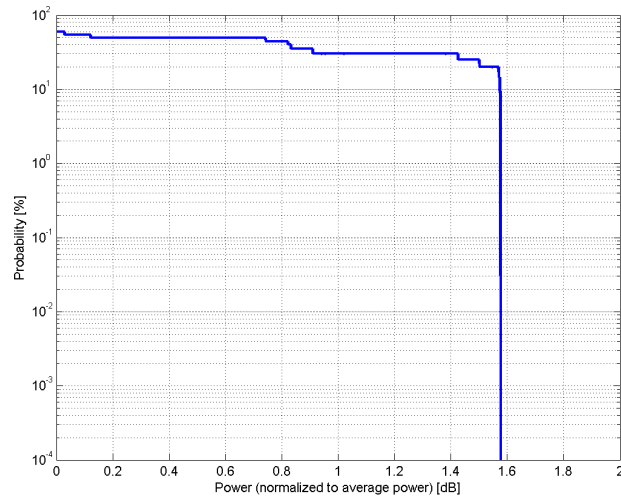
Group: WLAN
UID: 10517-AAA

PAR: ¹ **1.58 dB**
MIF: ² **-13.24 dB**

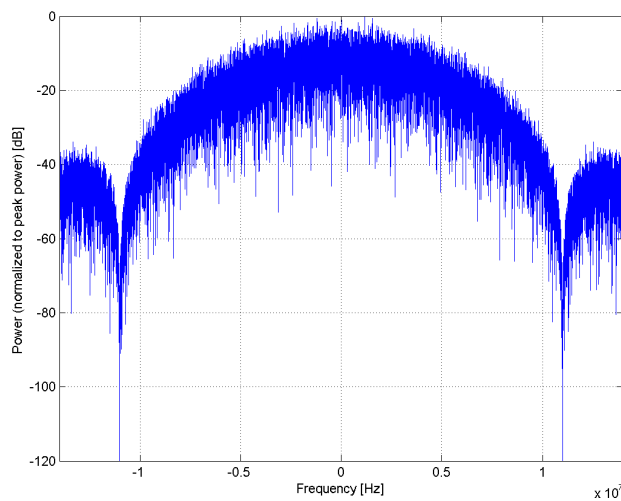
Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category: Random amplitude modulation
Modulation: DQPSK
Frequency Band: WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification: Duty cycle: 99 %
PSDU length: 1024 bytes
Preamble type: long
Data Rate: 11Mbps
Burst on time: 936us
Bandwidth: 20.0 MHz
Integration Time: 0.9 ms

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

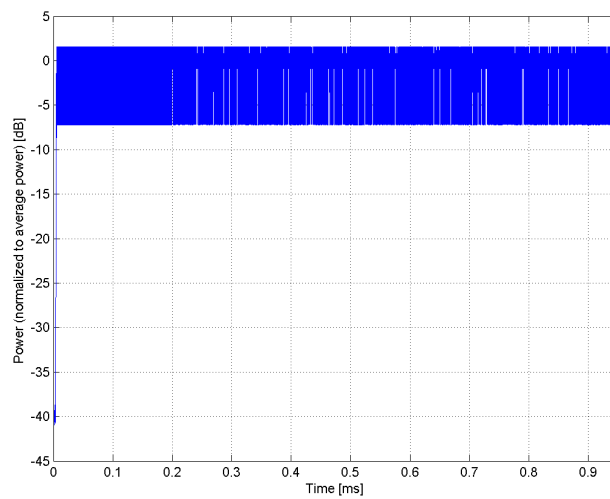
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)**

Group: WLAN
UID: 10518-AAC

PAR: ¹ **8.23 dB**
MIF: ² **-15.39 dB**

Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: BPSK

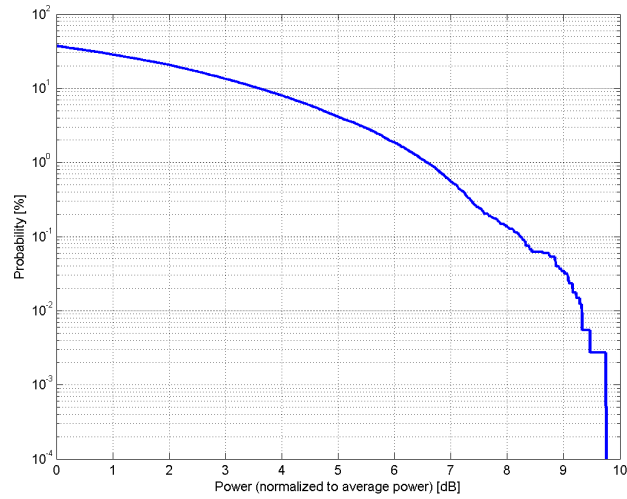
Frequency Band: WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Duty cycle: 99%
PSDU length: 1000 bytes
Data Rate: 9Mbps
Burst on time: 912us

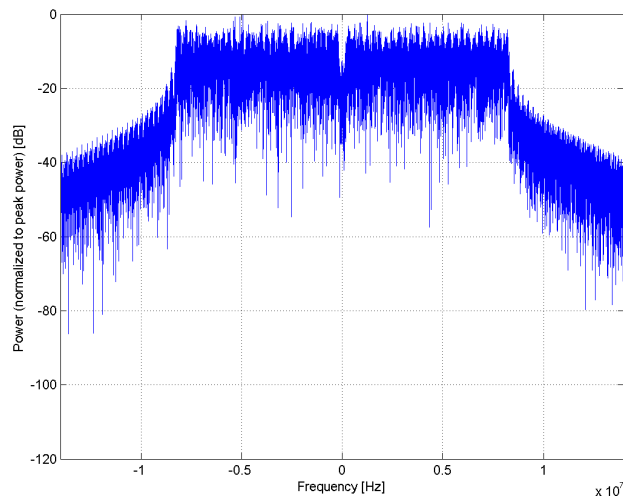
Bandwidth: 20.0 MHz
Integration Time: 0.9 ms

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

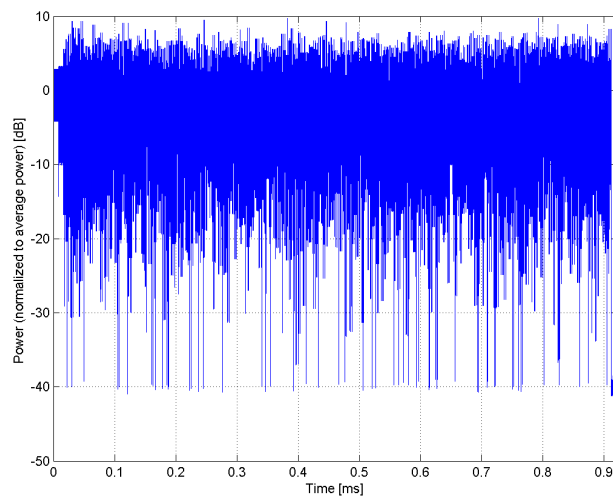
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)**

Group: WLAN
UID: 10519-AAC

PAR: ¹ **8.39 dB**
MIF: ² **-16.70 dB**

Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: QPSK

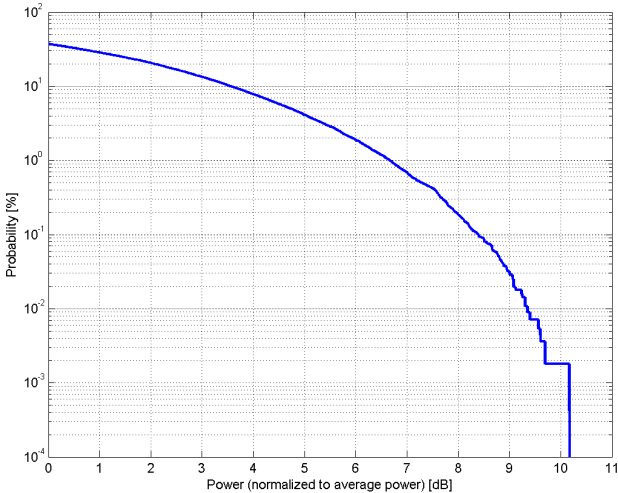
Frequency Band: WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Duty cycle: 99%
PSDU length: 1000 bytes
Data Rate: 12Mbps
Burst on time: 692us

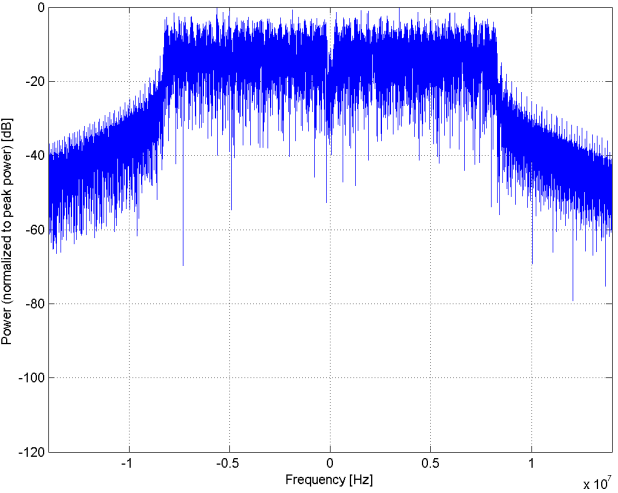
Bandwidth: 20.0 MHz
Integration Time: 0.7 ms

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

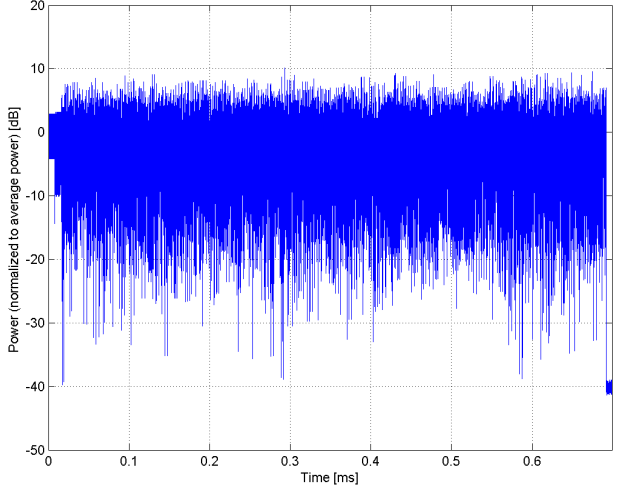
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)**

Group: WLAN
UID: 10520-AAC

PAR: ¹ **8.12 dB**
MIF: ² **-18.76 dB**

Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: QPSK

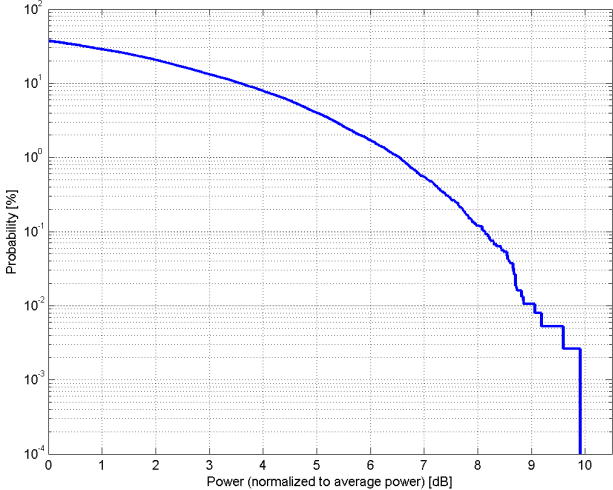
Frequency Band: WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Duty cycle: 99%
PSDU length: 1000 bytes
Data Rate: 18Mbps
Burst on time: 468us

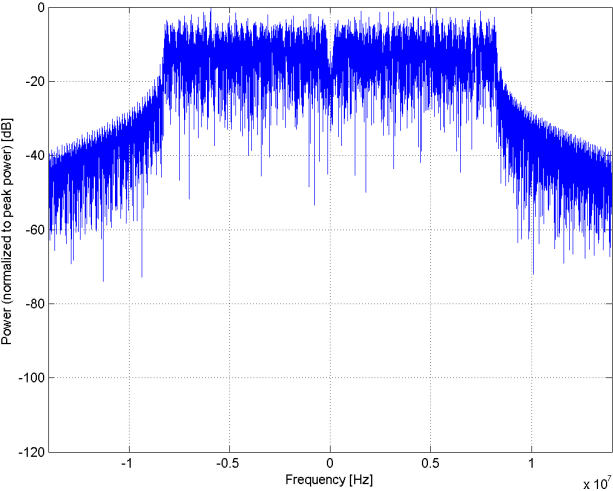
Bandwidth: 20.0 MHz
Integration Time: 0.5 ms

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

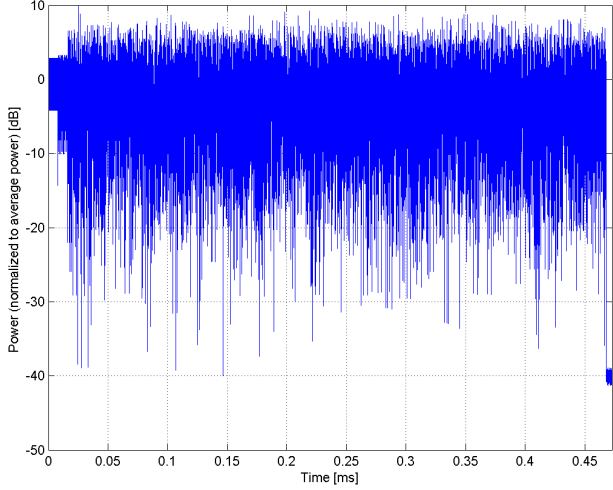
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)**

Group: WLAN
UID: 10521-AAC

PAR: ¹ **7.97 dB**
MIF: ² **-23.13 dB**

Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 16-QAM

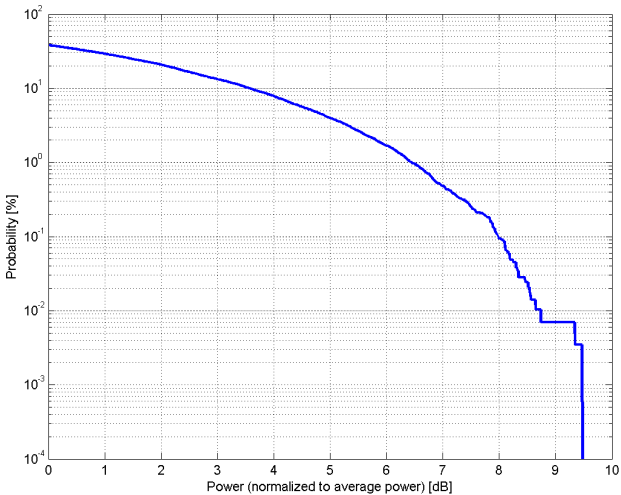
Frequency Band: WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Duty cycle: 99%
PSDU length: 1000 bytes
Data Rate: 24Mbps
Burst on time: 356us

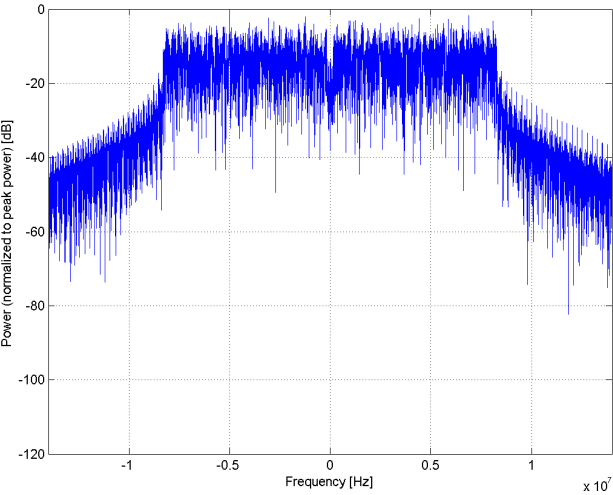
Bandwidth: 20.0 MHz
Integration Time: 0.4 ms

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

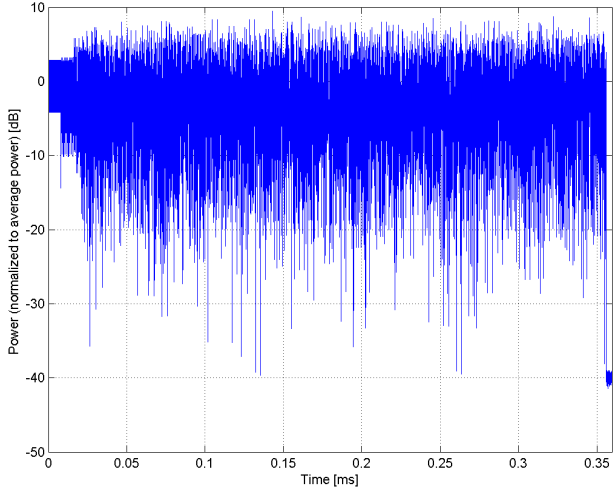
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)**

Group: WLAN
UID: 10522-AAC

PAR: ¹ **8.45 dB**
MIF: ² **-22.02 dB**

Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 16-QAM

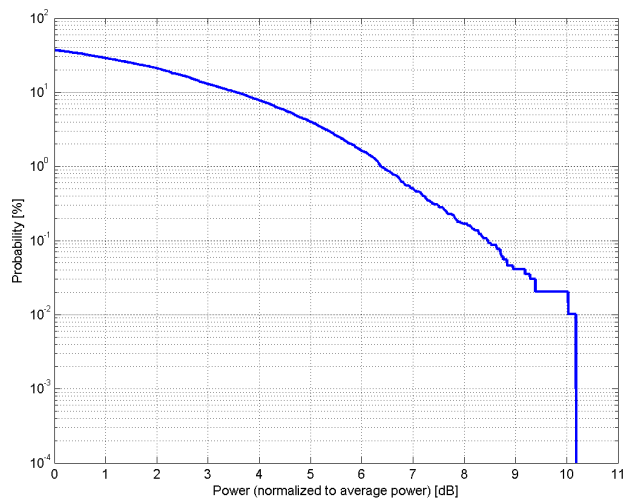
Frequency Band: WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Duty cycle: 99%
PSDU length: 1000 bytes
Data Rate: 36Mbps
Burst on time: 244us

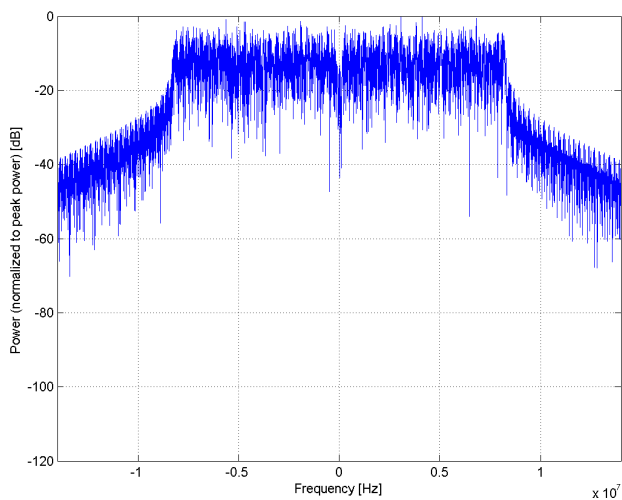
Bandwidth: 20.0 MHz
Integration Time: 0.2 ms

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

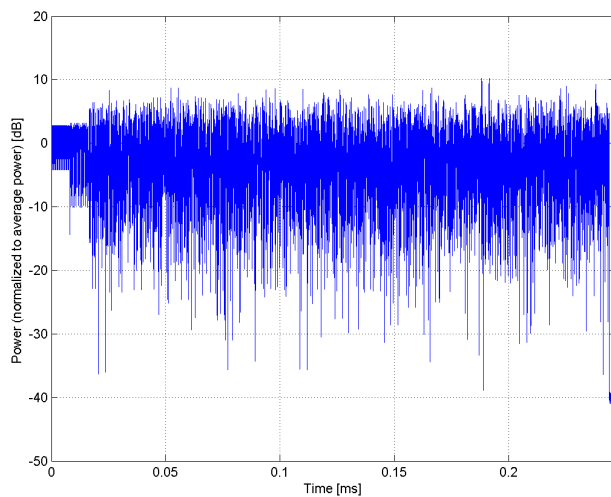
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



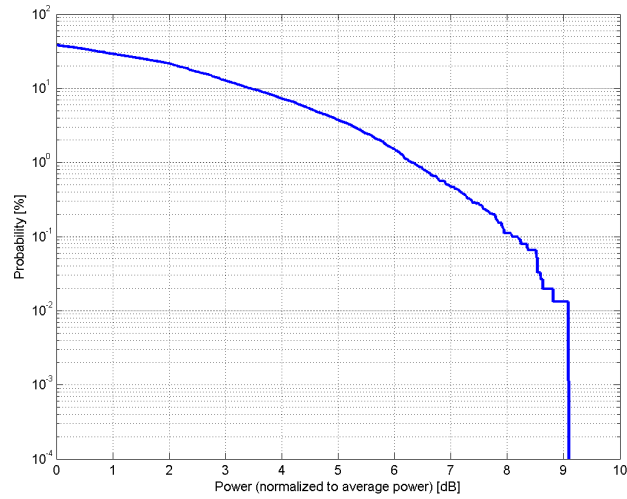
Time Domain

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

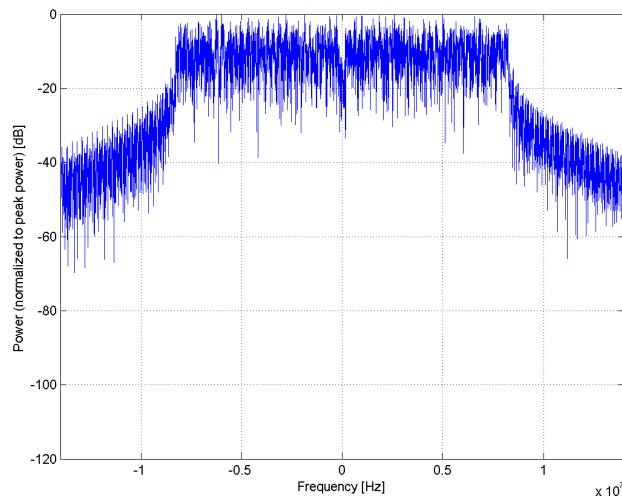
| | |
|-------------------------|---|
| Name: | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) |
| Group: | WLAN |
| UID: | 10523-AAC |
| PAR: ¹ | 8.08 dB |
| MIF: ² | -24.22 dB |
| Standard Reference: | IEEE 802.11-2012 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01 |
| Category: | Random amplitude modulation |
| Modulation: | 64-QAM |
| Frequency Band: | 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-4 (5.825 - 5.925 MHz) Validation band (0.0 - 6000.0 MHz) |
| Detailed Specification: | Duty cycle: 99% PSDU length: 1000 bytes Data Rate: 48Mbps Burst on time: 188us |
| Bandwidth: | 20.0 MHz |
| Integration Time: | 0.2 ms |

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

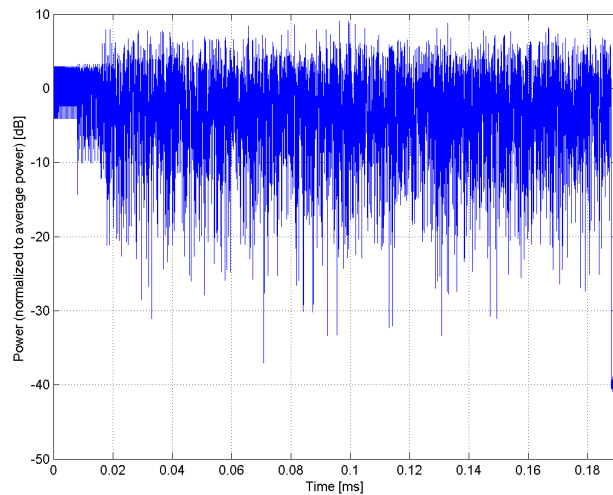
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)**

Group: WLAN
UID: 10524-AAC

PAR: ¹ **8.27 dB**
MIF: ² **-29.35 dB**

Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 64-QAM

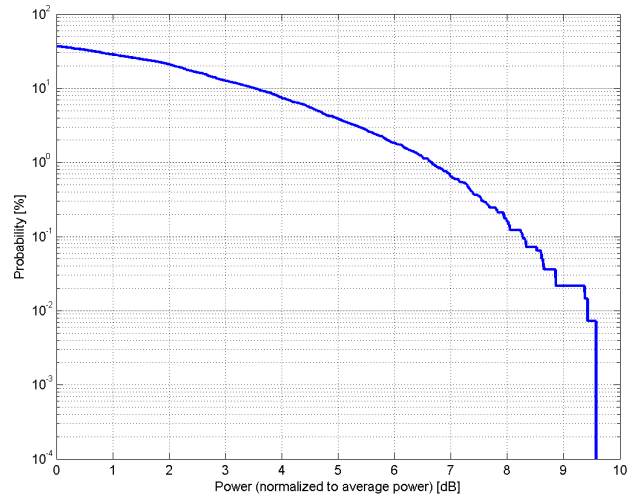
Frequency Band: WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Duty cycle: 99%
PSDU length: 1000 bytes
Data Rate: 54Mbps
Burst on time: 172us

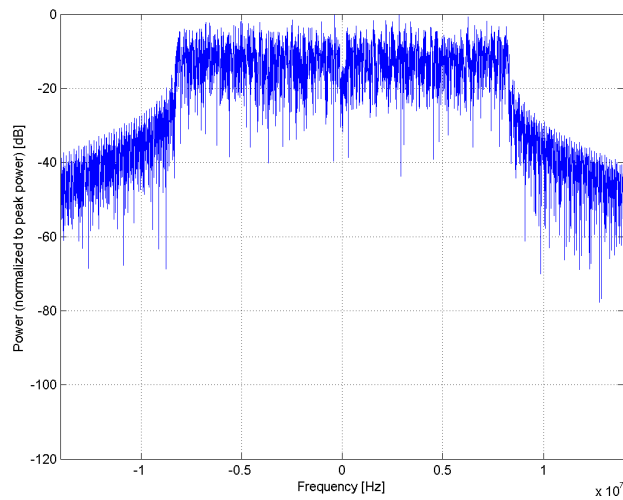
Bandwidth: 20.0 MHz
Integration Time: 0.2 ms

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

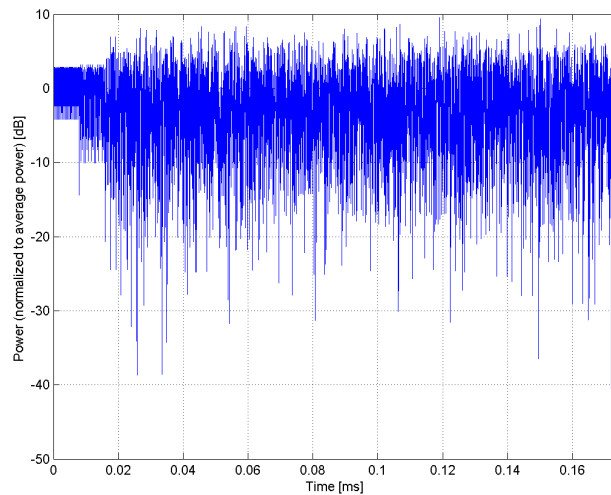
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)**

Group: WLAN
UID: 10525-AAC

PAR: ¹ **8.36 dB**
MIF: ² **-12.23 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: BPSK

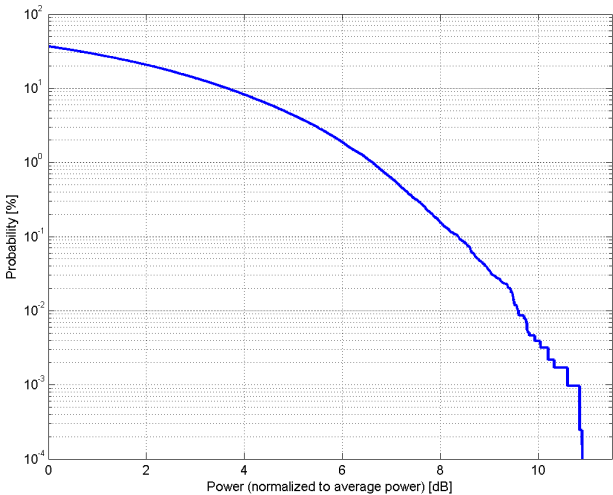
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 20MHz
Duty cycle: 99%
MCS: 0
Number of spatial streams: 1
MPDU length: 4096

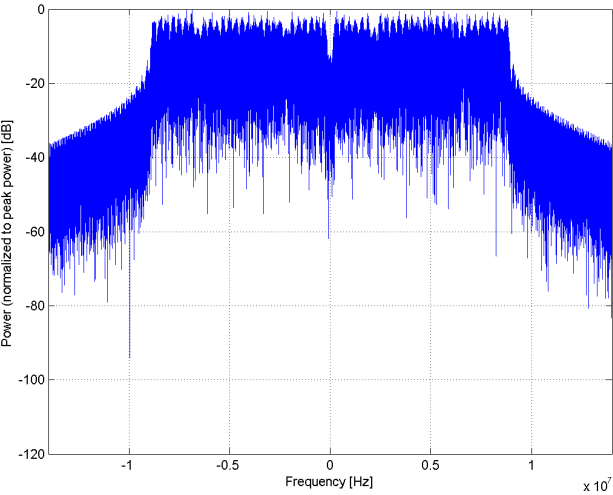
Bandwidth: 20.0 MHz
Integration Time: 5.1 ms

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

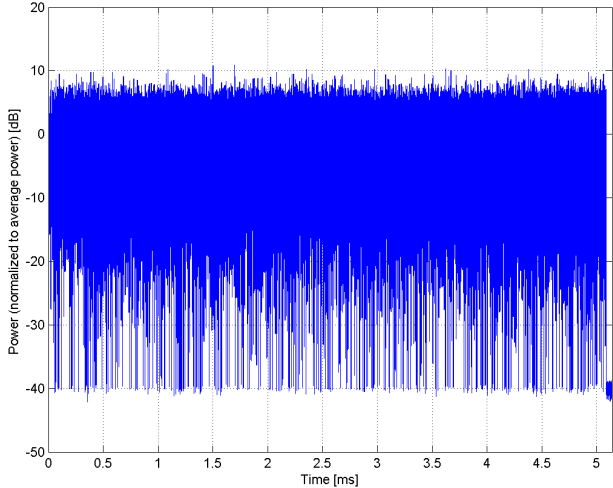
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



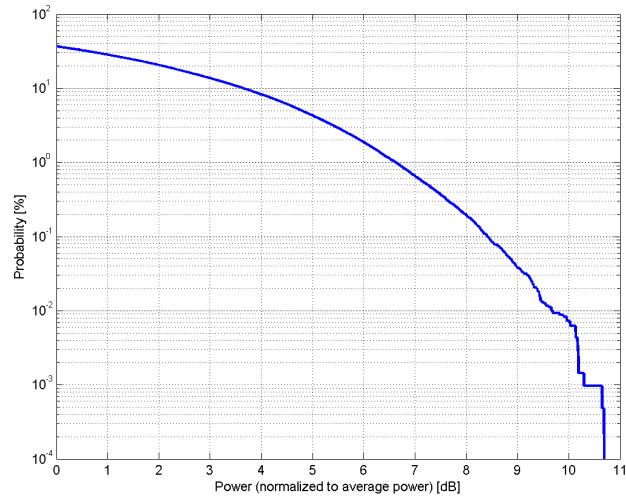
Time Domain

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

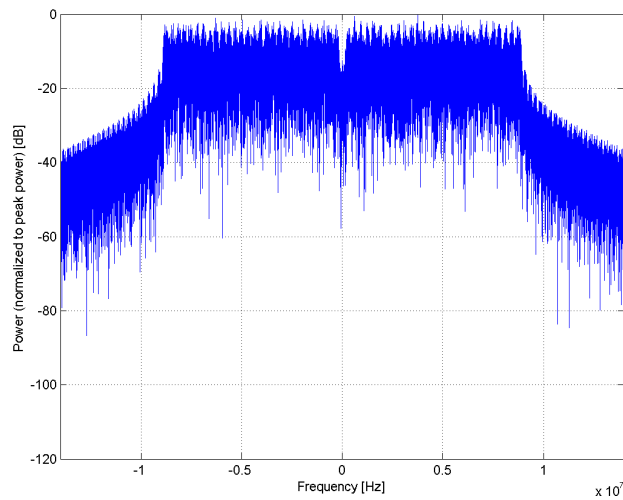
| | |
|-------------------------|--|
| Name: | IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) |
| Group: | WLAN |
| UID: | 10526-AAC |
| PAR: ¹ | 8.42 dB |
| MIF: ² | -13.77 dB |
| Standard Reference: | IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01 |
| Category: | Random amplitude modulation |
| Modulation: | QPSK |
| 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-4 (5.825 - 5.925 MHz) Validation band (0.0 - 6000.0 MHz) |
| Detailed Specification: | Bandwidth: 20MHz Duty cycle: 99% MCS: 1 Number of spatial streams: 1 MPDU length: 4096 |
| Bandwidth: | 20.0 MHz |
| Integration Time: | 2.6 ms |

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

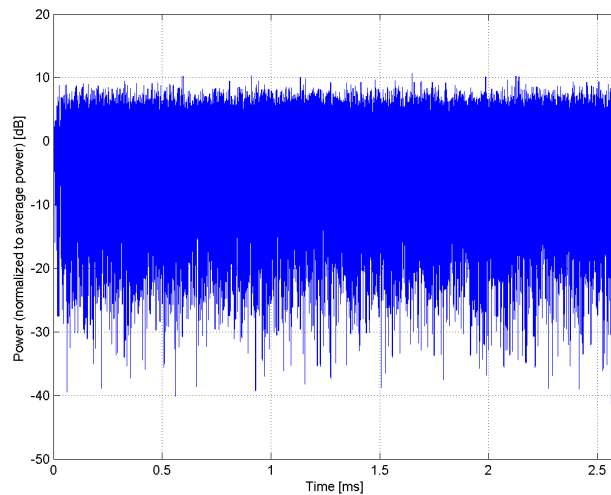
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)**

Group: WLAN
UID: 10527-AAC

PAR: ¹ **8.21 dB**
MIF: ² **-14.89 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: QPSK

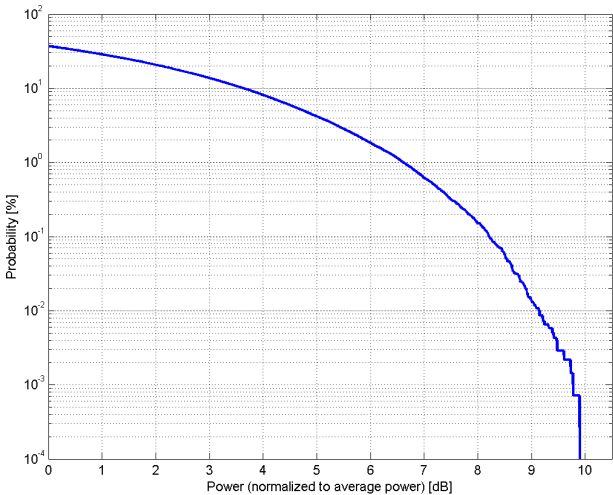
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 20MHz
Duty cycle: 99%
MCS: 2
Number of spatial streams: 1
MPDU length: 4096

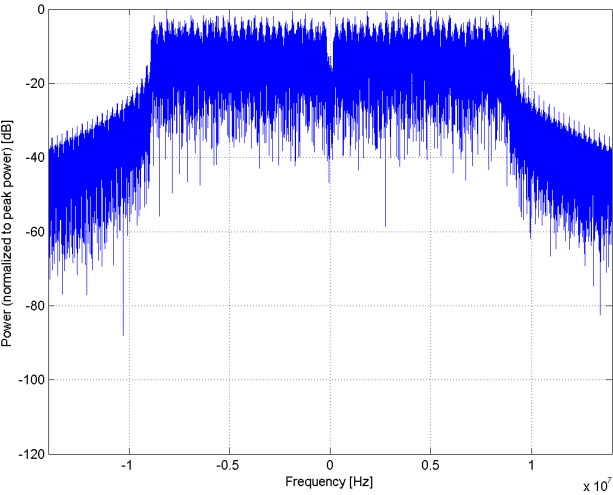
Bandwidth: 20.0 MHz
Integration Time: 1.7 ms

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

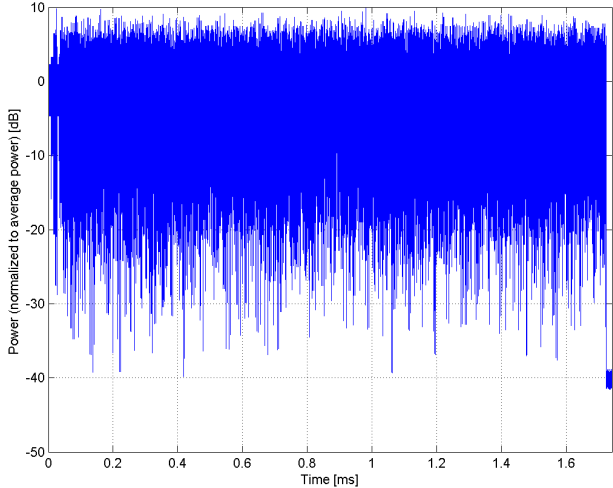
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)**

Group: WLAN
UID: 10528-AAC

PAR: ¹ **8.36 dB**
MIF: ² **-15.25 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 16-QAM

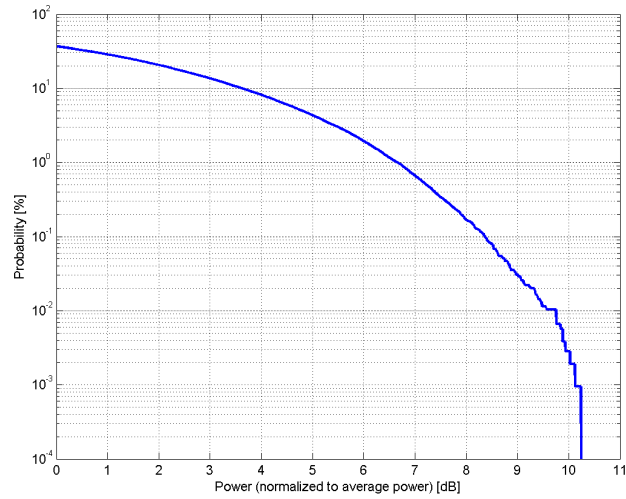
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 20MHz
Duty cycle: 99%
MCS: 3
Number of spatial streams: 1
MPDU length: 4096

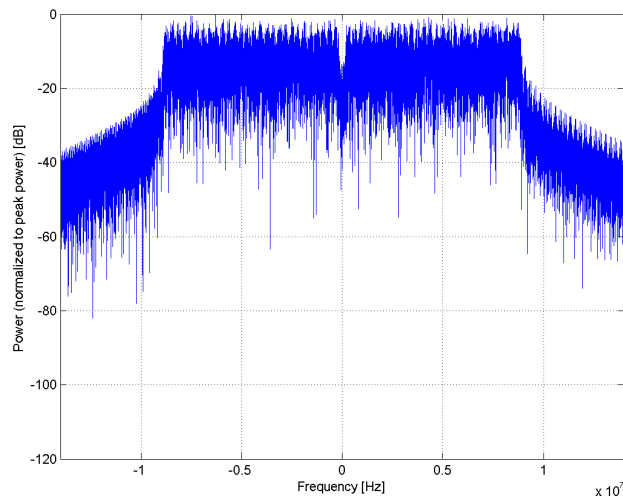
Bandwidth: 20.0 MHz
Integration Time: 1.3 ms

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

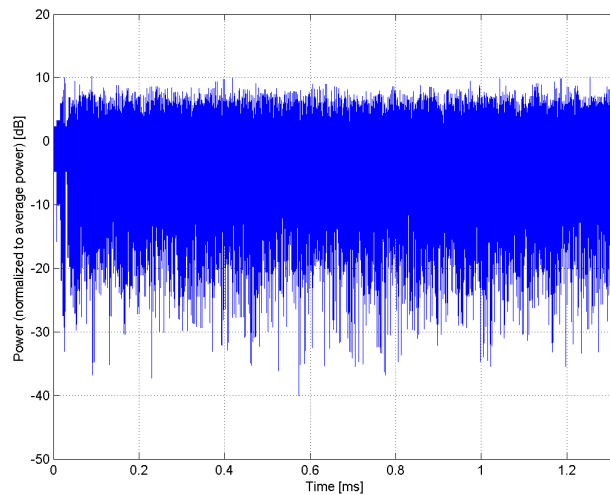
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



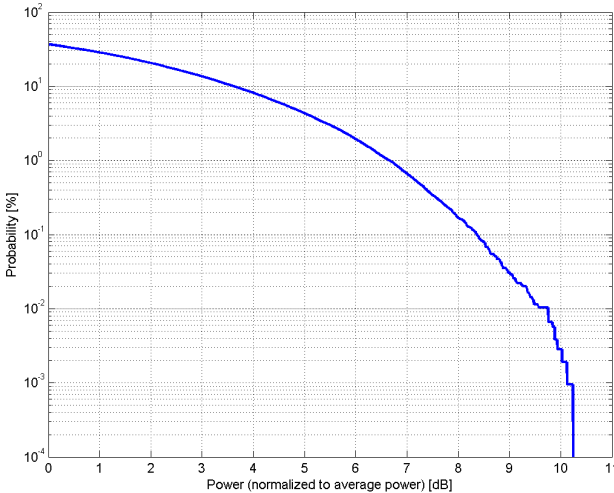
Time Domain

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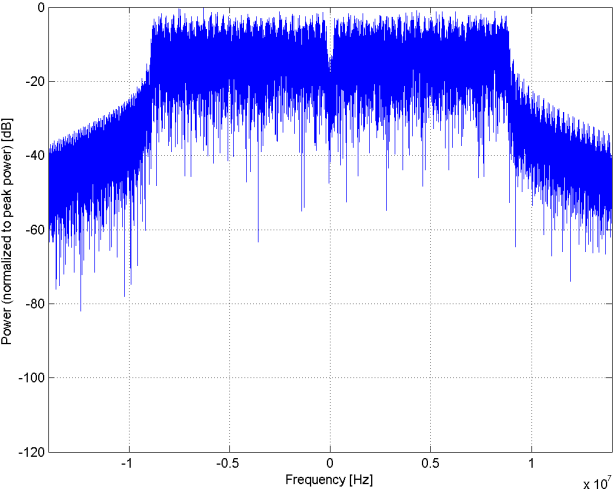
| | |
|-------------------------|--|
| Name: | IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) |
| Group: | WLAN |
| UID: | 10529-AAC |
| PAR: ¹ | 8.36 dB |
| MIF: ² | -15.25 dB |
| Standard Reference: | IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01 |
| Category: | Random amplitude modulation |
| Modulation: | 16-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-4 (5.825 - 5.925 MHz) Validation band (0.0 - 6000.0 MHz) |
| Detailed Specification: | Bandwidth: 20MHz Duty cycle: 99% MCS: 4 Number of spatial streams: 1 MPDU length: 4096 |
| Bandwidth: | 20.0 MHz |
| Integration Time: | 1.3 ms |

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

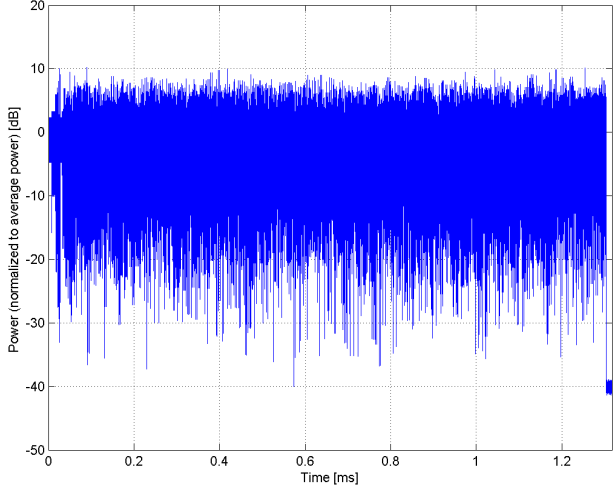
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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Name: **IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)**

Group: WLAN
UID: 10531-AAC

PAR: ¹ **8.43 dB**
MIF: ² **-18.44 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 64-QAM

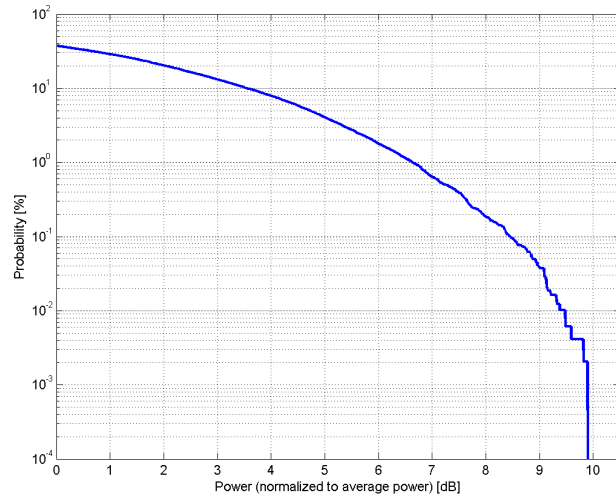
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 20MHz
Duty cycle: 99%
MCS: 6
Number of spatial streams: 1
MPDU length: 4096

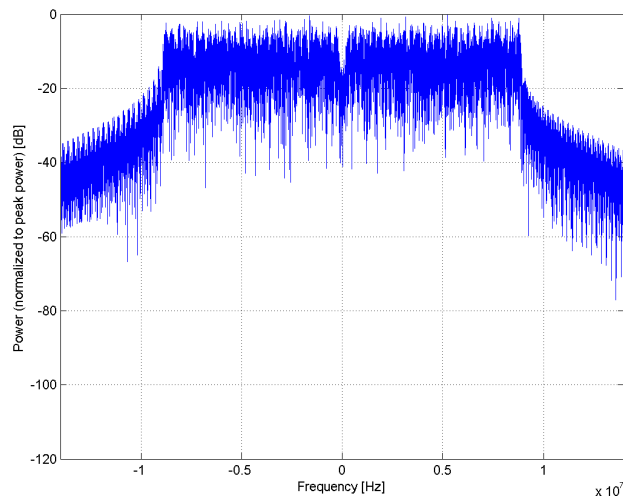
Bandwidth: 20.0 MHz
Integration Time: 0.6 ms

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

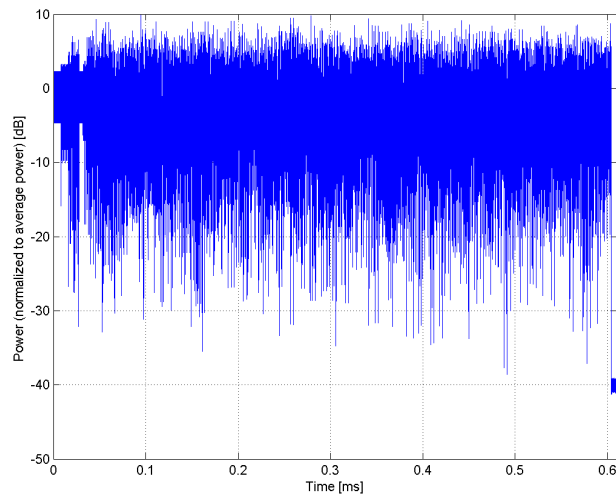
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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Name: **IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)**

Group: WLAN
UID: 10532-AAC

PAR: ¹ **8.29 dB**
MIF: ² **-18.59 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 64-QAM

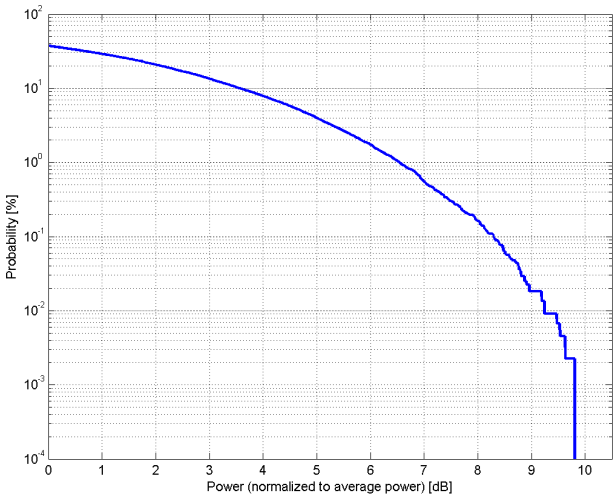
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 20MHz
Duty cycle: 99%
MCS: 7
Number of spatial streams: 1
MPDU length: 4096

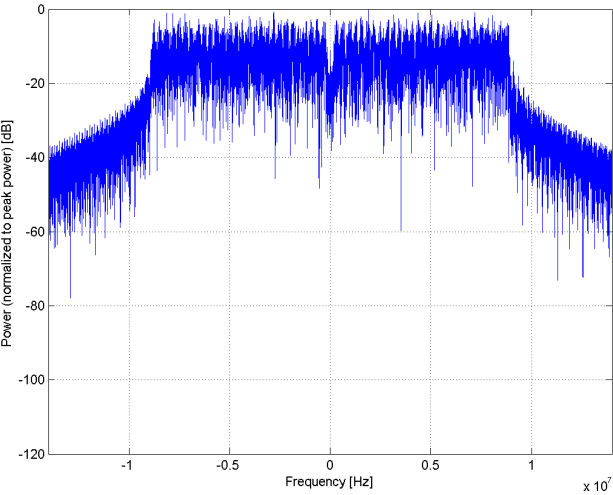
Bandwidth: 20.0 MHz
Integration Time: 0.6 ms

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

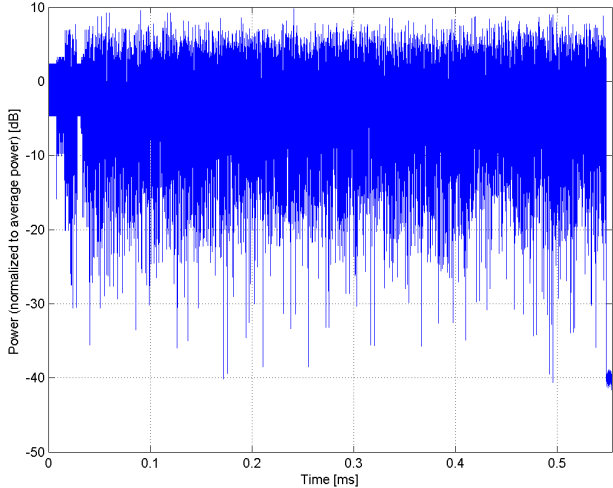
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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Name: **IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)**

Group: WLAN
UID: 10533-AAC

PAR: ¹ **8.38 dB**
MIF: ² **-20.10 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 256-QAM

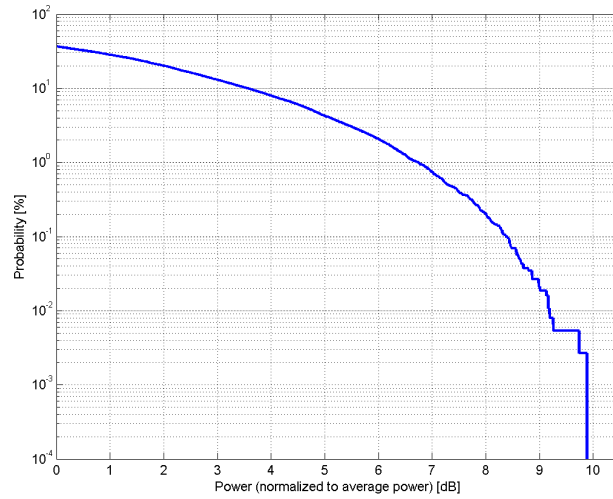
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 20MHz
Duty cycle: 99%
MCS: 8
Number of spatial streams: 1
MPDU length: 4096

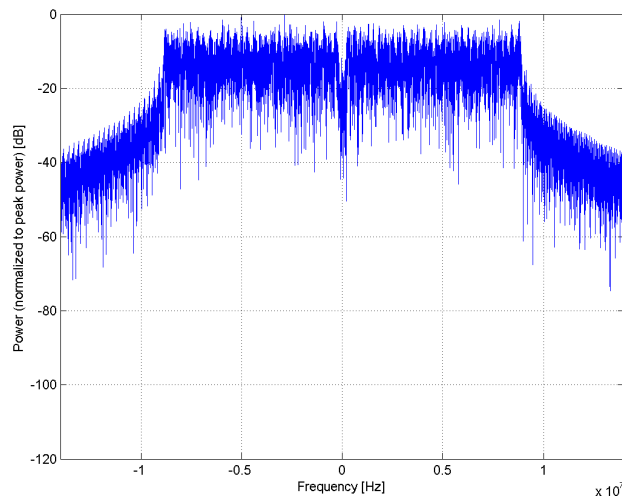
Bandwidth: 20.0 MHz
Integration Time: 0.5 ms

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

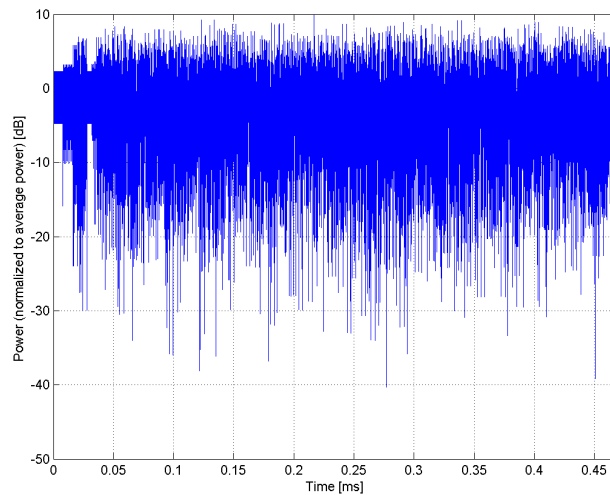
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
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Name: **IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)**

Group: WLAN
UID: 10534-AAC

PAR: ¹ **8.45 dB**
MIF: ² **-11.92 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: BPSK

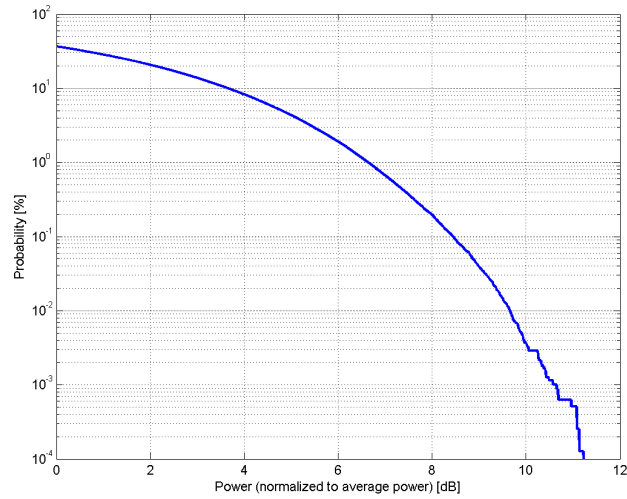
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 40MHz
Duty cycle: 99%
MCS: 0
Number of spatial streams: 1
MPDU length: 8192

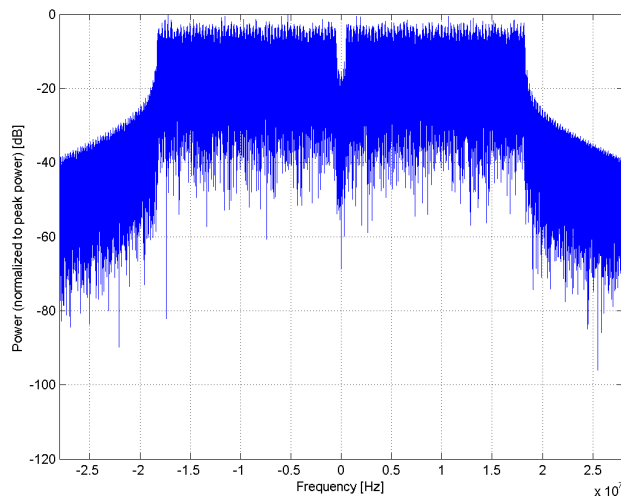
Bandwidth: 40.0 MHz
Integration Time: 4.9 ms

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

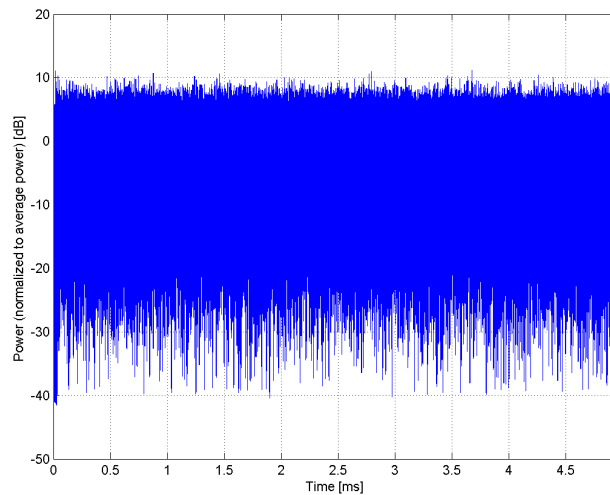
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
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Name: **IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)**

Group: WLAN
UID: 10535-AAC

PAR: ¹ **8.45 dB**
MIF: ² **-13.12 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: QPSK

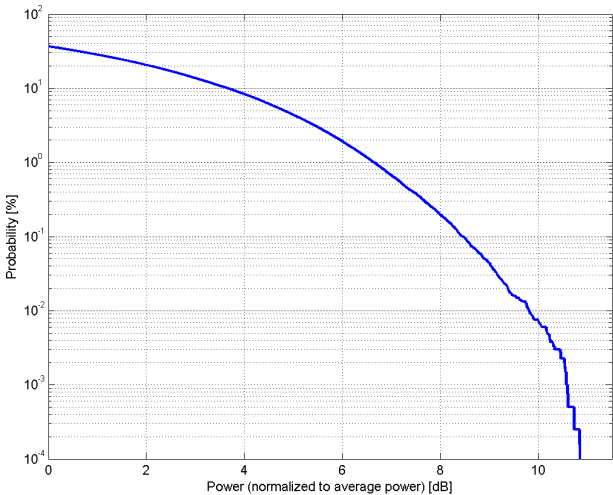
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 40MHz
Duty cycle: 99%
MCS: 1
Number of spatial streams: 1
MPDU length: 8192

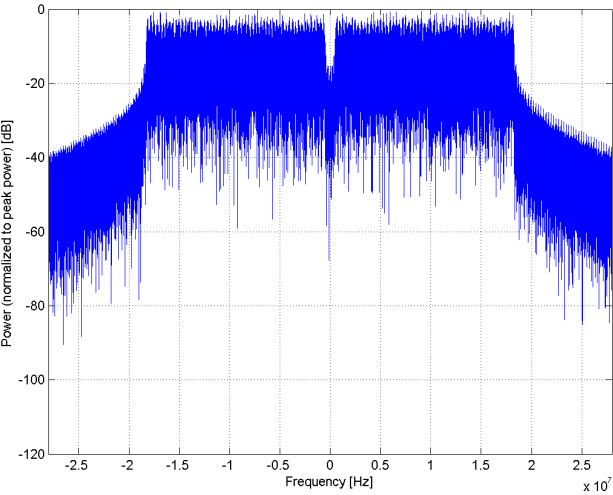
Bandwidth: 40.0 MHz
Integration Time: 2.5 ms

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

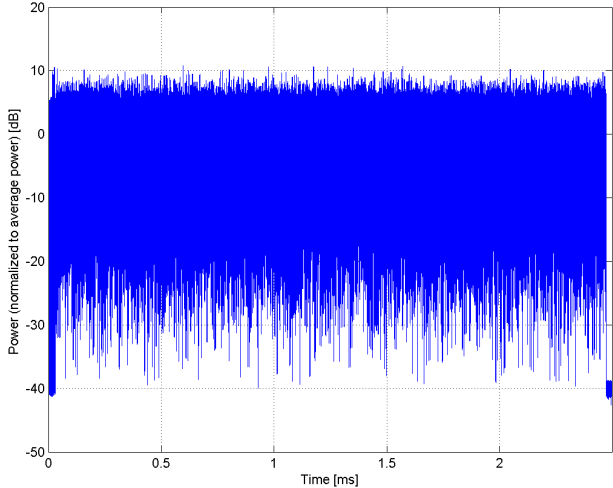
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)**

Group: WLAN
UID: 10536-AAC

PAR: ¹ **8.32 dB**
MIF: ² **-13.53 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: QPSK

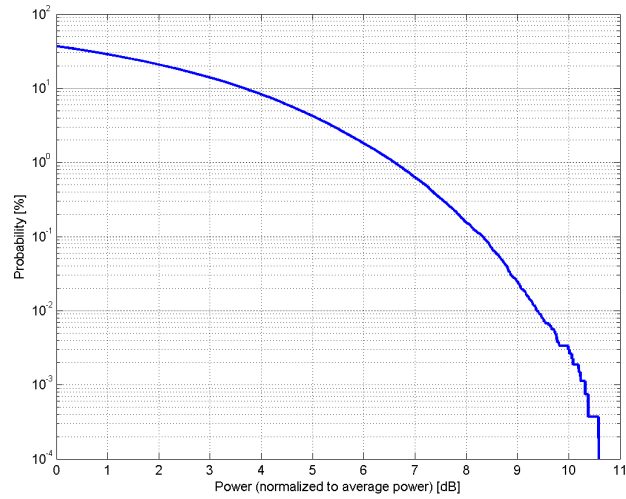
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 40MHz
Duty cycle: 99%
MCS: 2
Number of spatial streams: 1
MPDU length: 8192

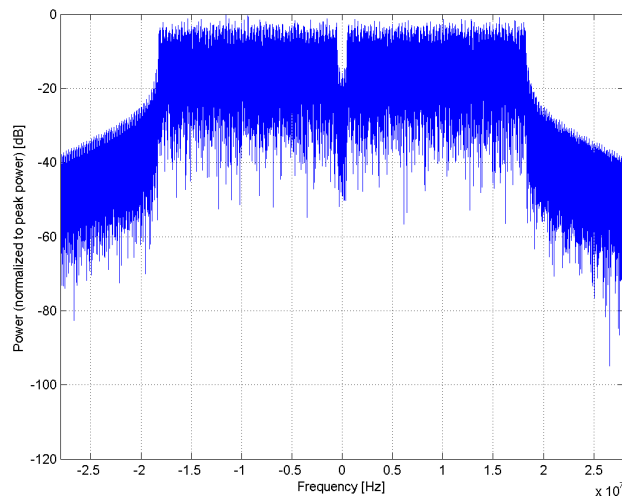
Bandwidth: 40.0 MHz
Integration Time: 1.7 ms

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

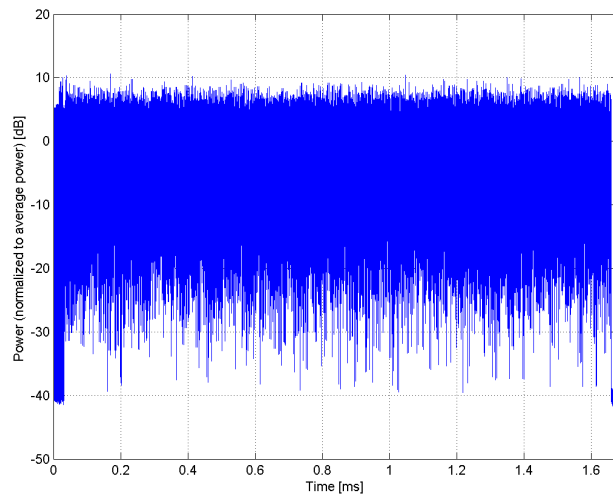
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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Name: **IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)**

Group: WLAN
UID: 10537-AAC

PAR: ¹ **8.44 dB**
MIF: ² **-13.52 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 16-QAM

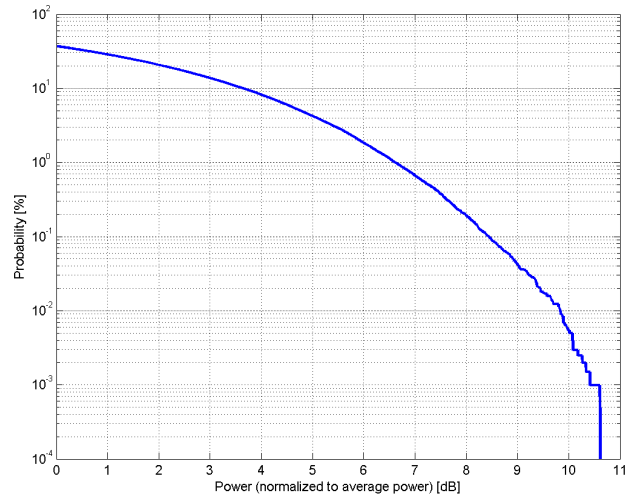
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 40MHz
Duty cycle: 99%
MCS: 3
Number of spatial streams: 1
MPDU length: 8192

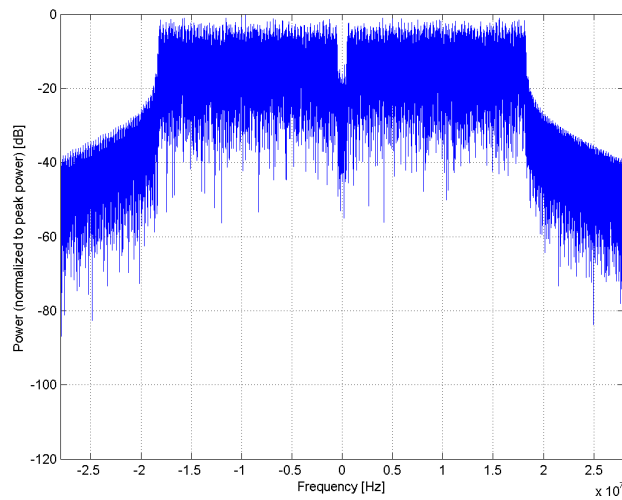
Bandwidth: 40.0 MHz
Integration Time: 1.3 ms

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

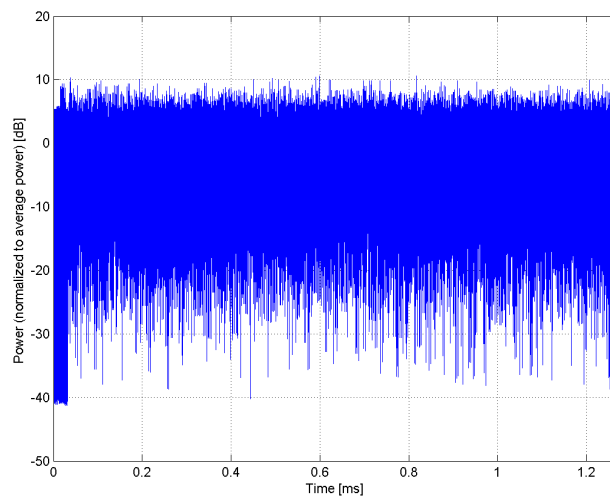
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)**

Group: WLAN
UID: 10538-AAC

PAR: ¹ **8.54 dB**
MIF: ² **-14.39 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 16-QAM

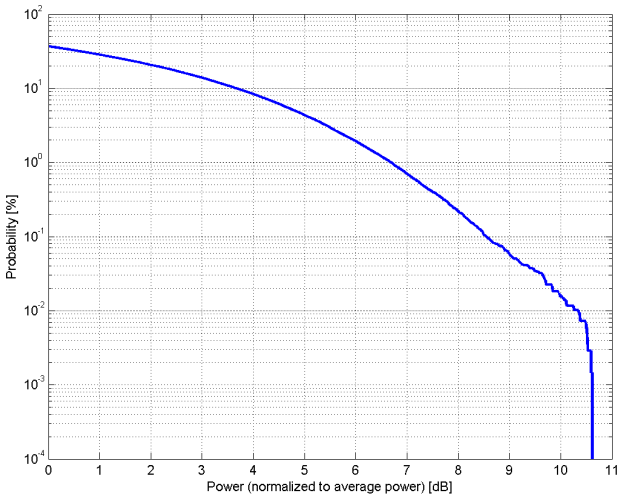
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 40MHz
Duty cycle: 99%
MCS: 4
Number of spatial streams: 1
MPDU length: 8192

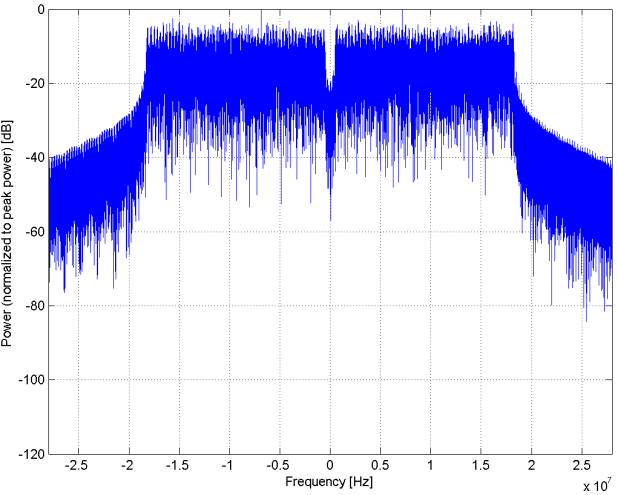
Bandwidth: 40.0 MHz
Integration Time: 0.9 ms

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

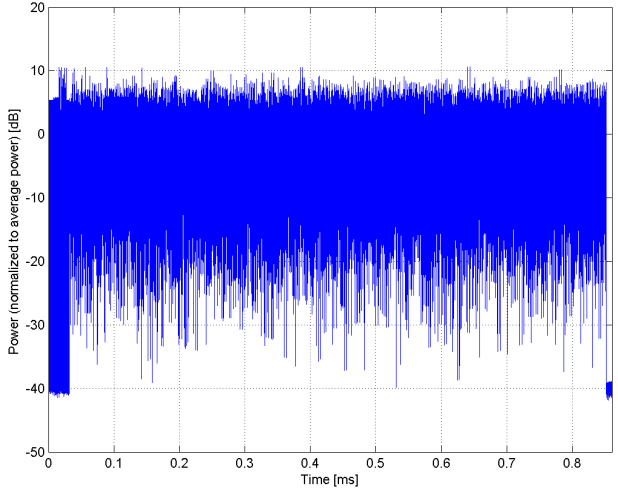
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)**

Group: WLAN
UID: 10540-AAC

PAR: ¹ **8.39 dB**
MIF: ² **-15.33 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 64-QAM

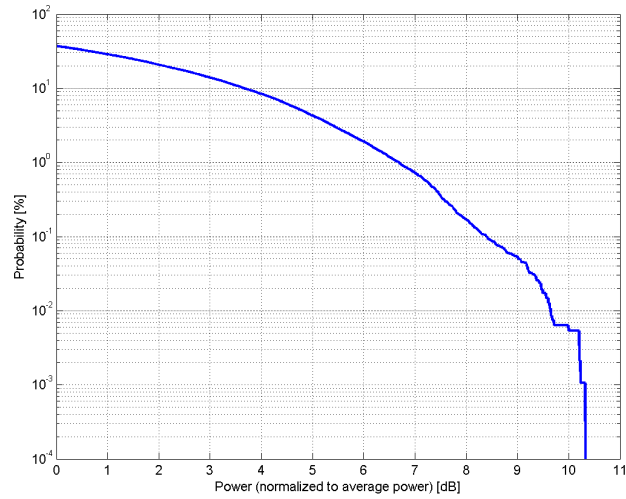
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 40MHz
Duty cycle: 99%
MCS: 6
Number of spatial streams: 1
MPDU length: 8192

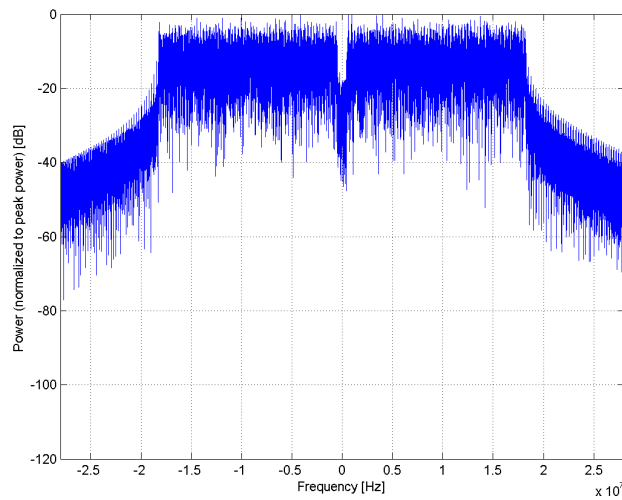
Bandwidth: 40.0 MHz
Integration Time: 0.6 ms

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

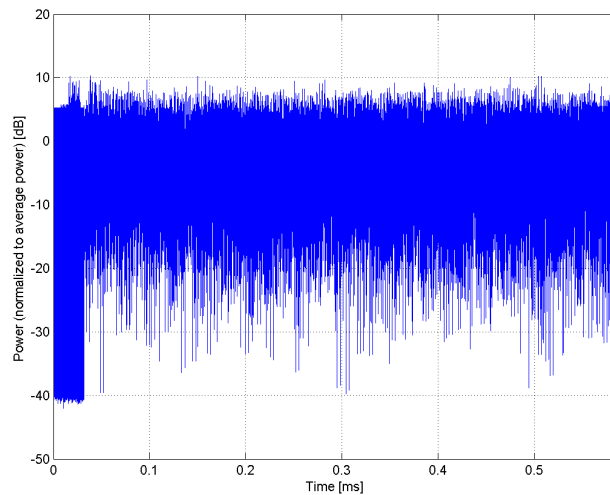
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: **IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)**

Group: WLAN
UID: 10541-AAC

PAR: ¹ **8.46 dB**
MIF: ² **-14.92 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 64-QAM

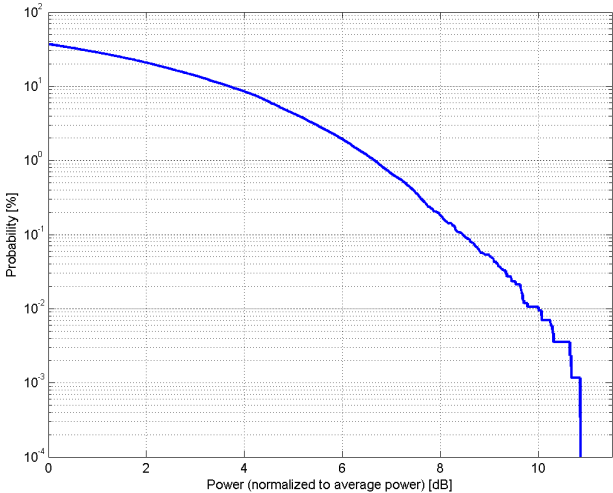
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 40MHz
Duty cycle: 99%
MCS: 7
Number of spatial streams: 1
MPDU length: 8192

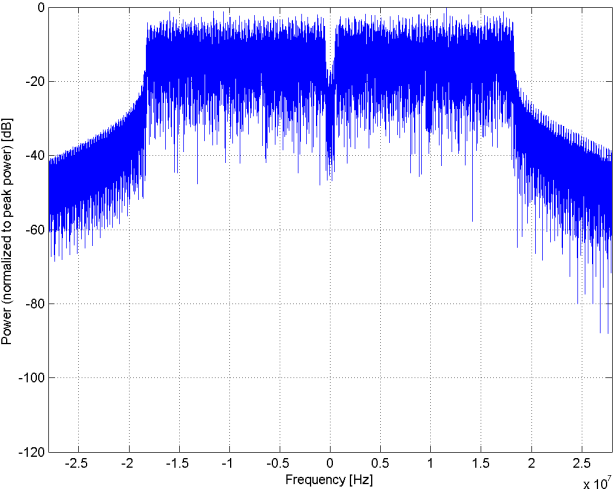
Bandwidth: 40.0 MHz
Integration Time: 0.5 ms

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

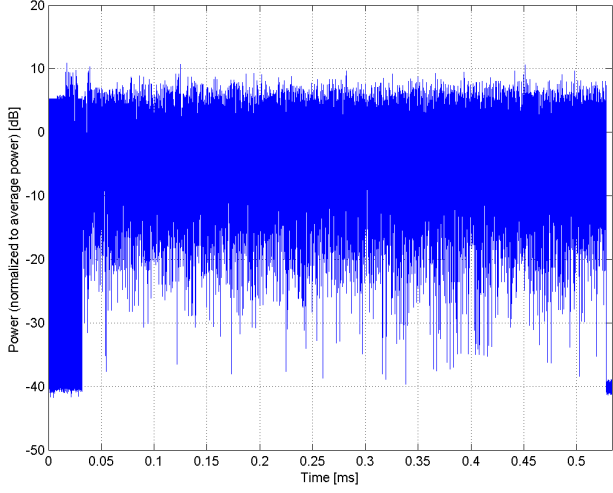
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)**

Group: WLAN
UID: 10542-AAC

PAR: ¹ **8.65 dB**
MIF: ² **-14.56 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 256-QAM

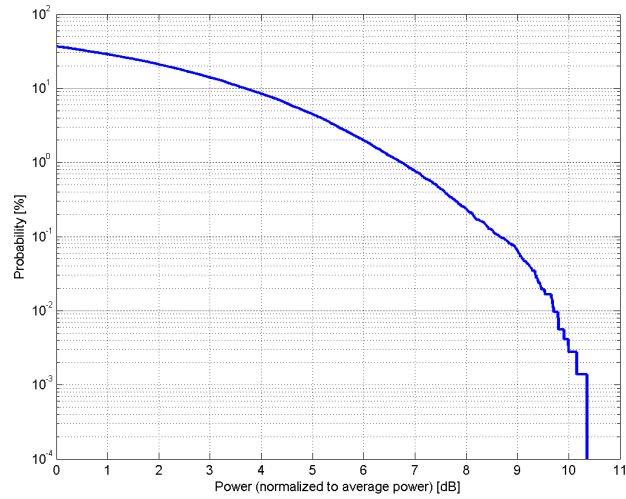
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 40MHz
Duty cycle: 99%
MCS: 8
Number of spatial streams: 1
MPDU length: 8192

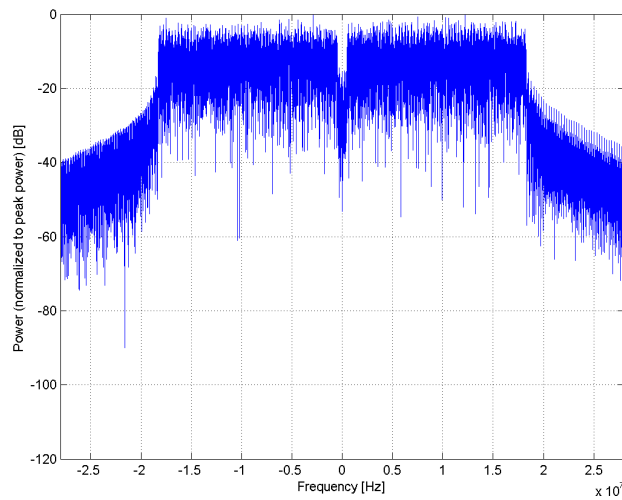
Bandwidth: 40.0 MHz
Integration Time: 0.5 ms

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

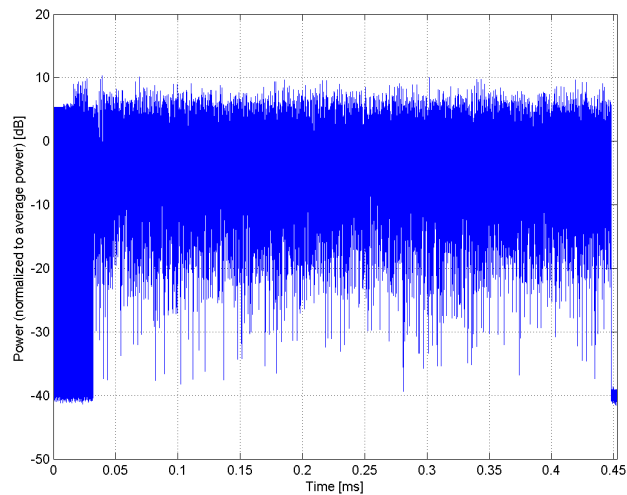
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)**

Group: WLAN
UID: 10543-AAC

PAR: ¹ **8.65 dB**
MIF: ² **-15.76 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 256-QAM

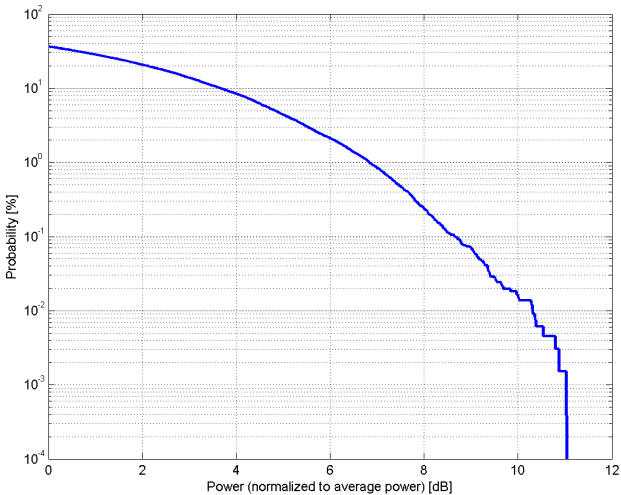
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 40MHz
Duty cycle: 99%
MCS: 9
Number of spatial streams: 1
MPDU length: 8192

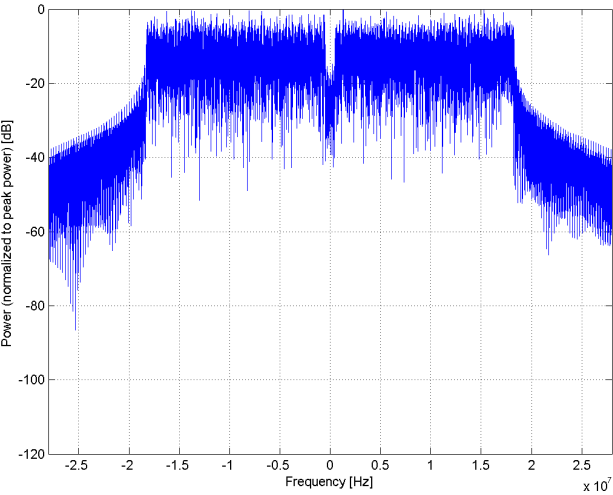
Bandwidth: 40.0 MHz
Integration Time: 0.4 ms

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

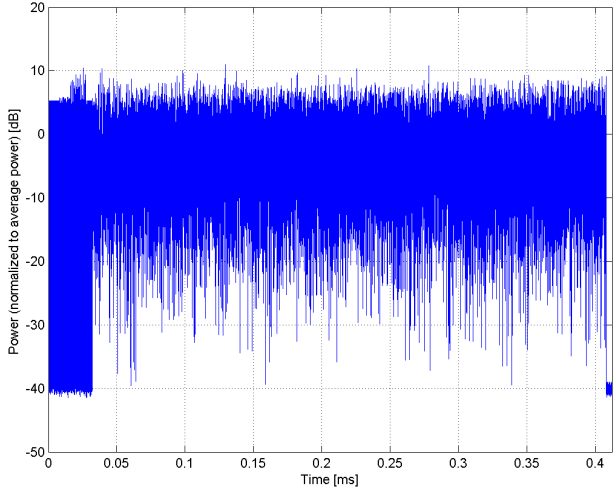
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)**

Group: WLAN
UID: 10544-AAC

PAR: ¹ **8.47 dB**
MIF: ² **-13.78 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: BPSK

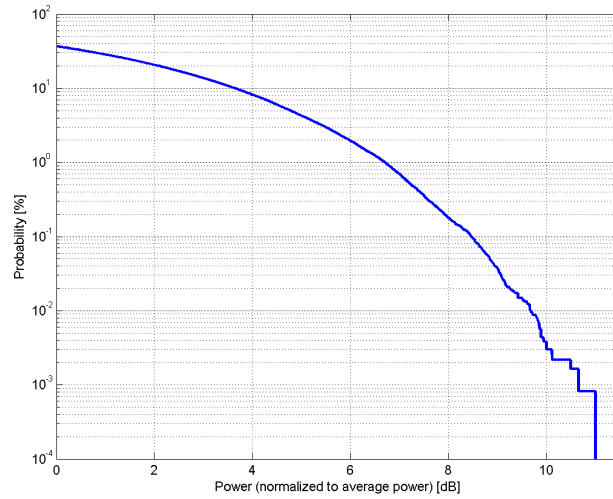
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 80MHz
Duty cycle: 99%
MCS: 0
Number of spatial streams: 1
MPDU length: 8192

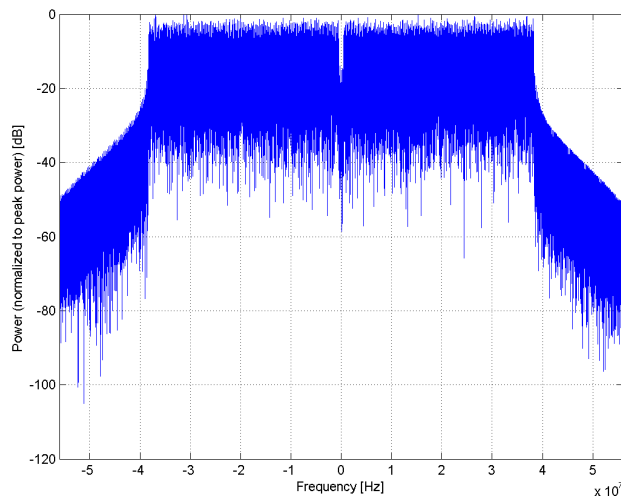
Bandwidth: 80.0 MHz
Integration Time: 2.3 ms

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

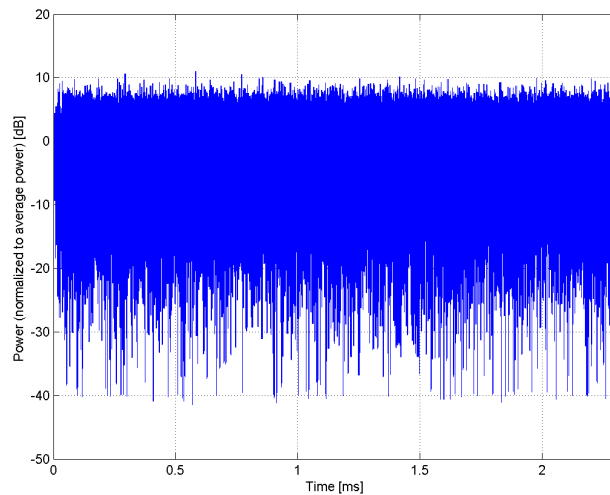
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)**

Group: WLAN
UID: 10545-AAC

PAR: ¹ **8.55 dB**
MIF: ² **-14.73 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: QPSK

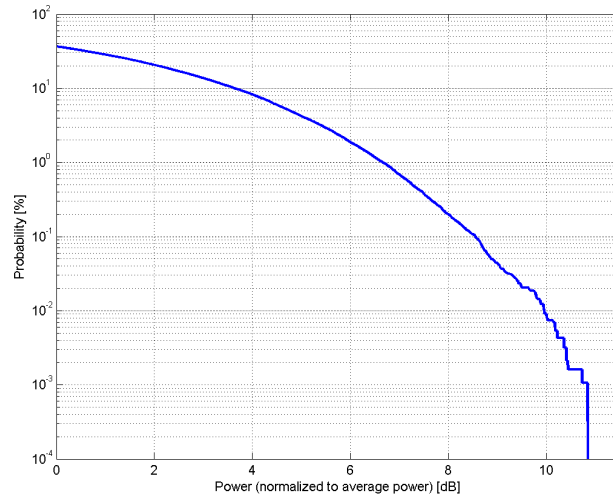
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 80MHz
Duty cycle: 99%
MCS: 1
Number of spatial streams: 1
MPDU length: 8192

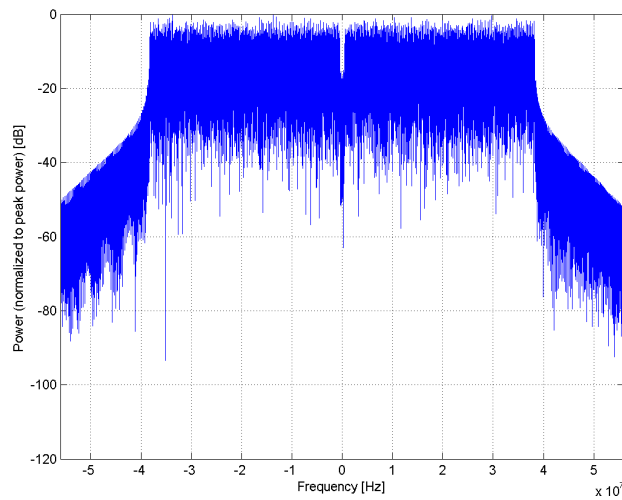
Bandwidth: 80.0 MHz
Integration Time: 1.2 ms

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

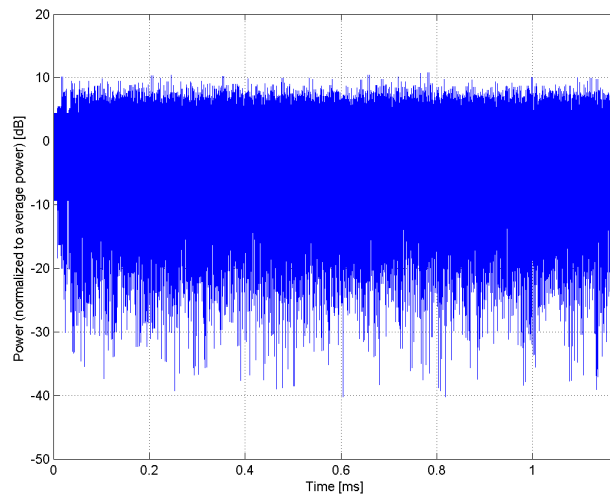
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)**

Group: WLAN
UID: 10546-AAC

PAR: ¹ **8.35 dB**
MIF: ² **-15.59 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: QPSK

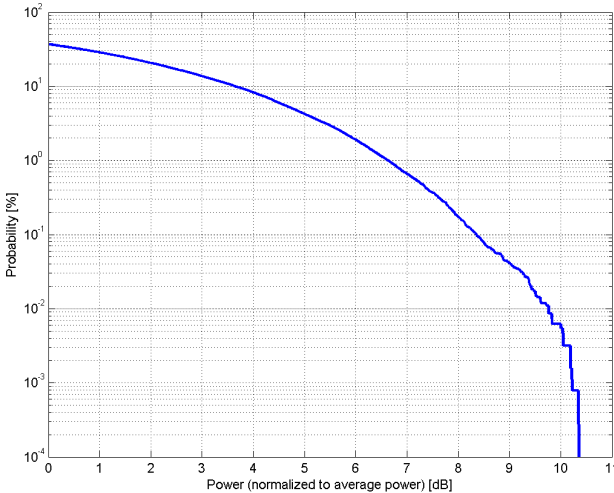
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 80MHz
Duty cycle: 99%
MCS: 2
Number of spatial streams: 1
MPDU length: 8192

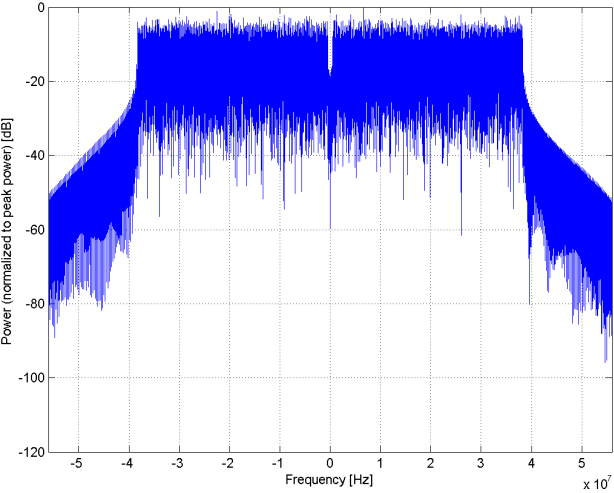
Bandwidth: 80.0 MHz
Integration Time: 0.8 ms

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

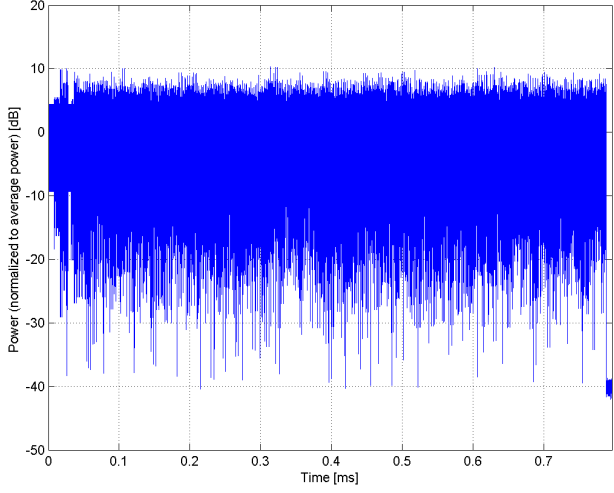
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)**

Group: WLAN
UID: 10547-AAC

PAR: ¹ **8.49 dB**
MIF: ² **-16.92 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 16-QAM

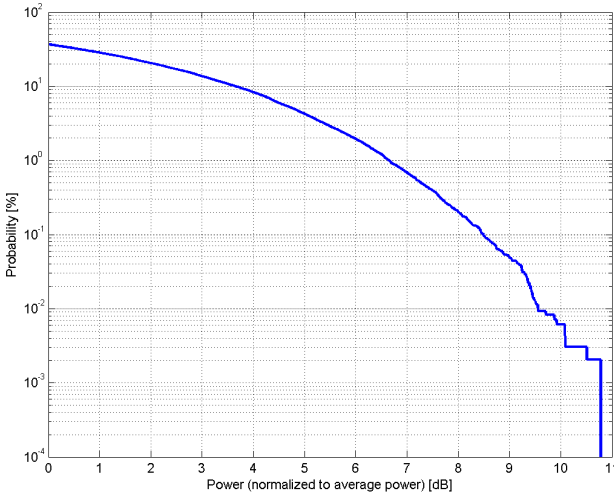
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 80MHz
Duty cycle: 99%
MCS: 3
Number of spatial streams: 1
MPDU length: 8192

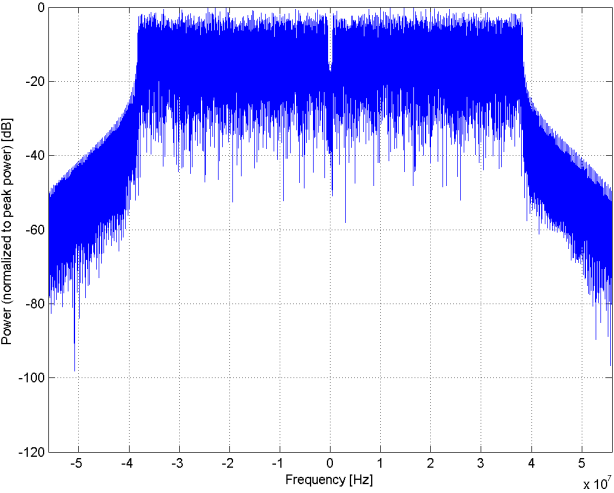
Bandwidth: 80.0 MHz
Integration Time: 0.6 ms

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

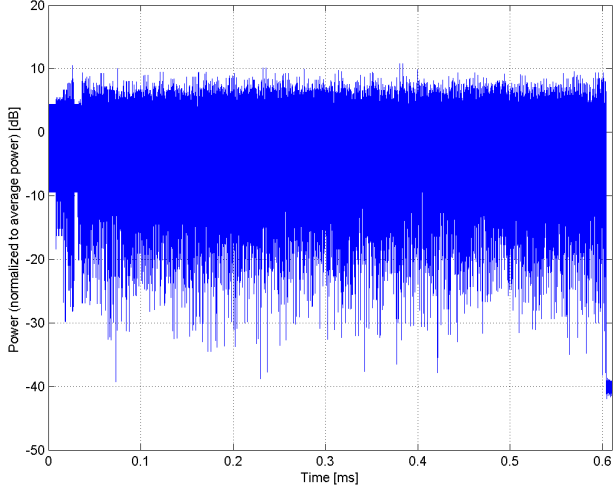
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)**

Group: WLAN
UID: 10548-AAC

PAR: ¹ **8.37 dB**
MIF: ² **-18.67 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 16-QAM

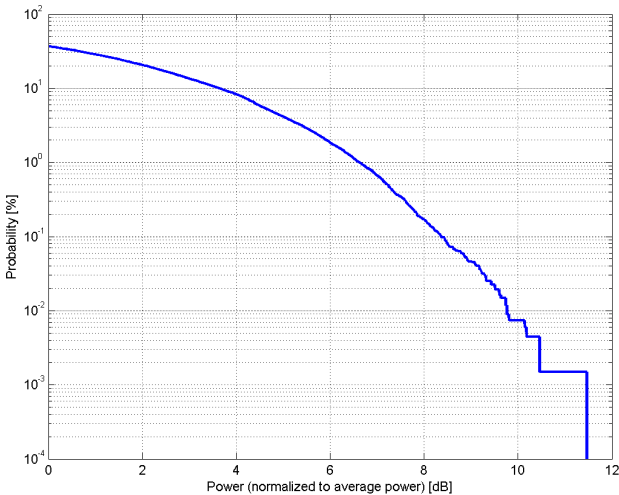
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 80MHz
Duty cycle: 99%
MCS: 4
Number of spatial streams: 1
MPDU length: 8192

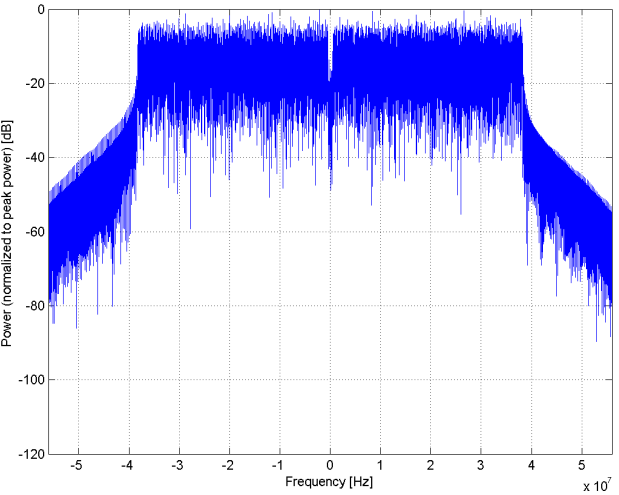
Bandwidth: 80.0 MHz
Integration Time: 0.4 ms

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

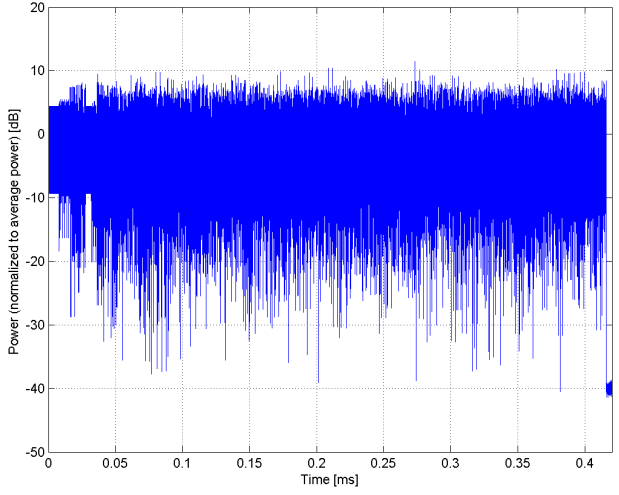
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



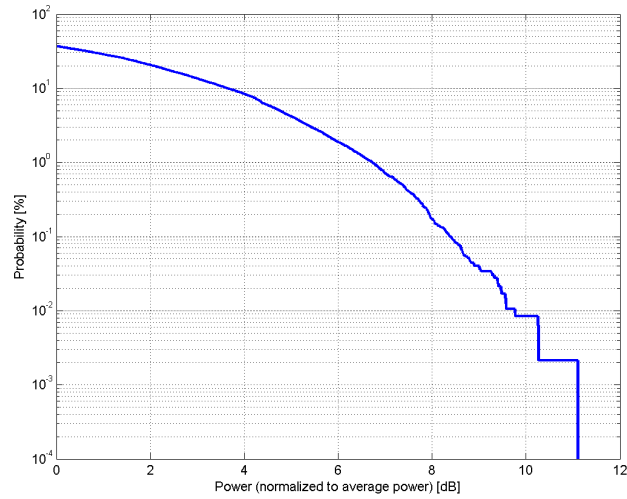
Time Domain

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

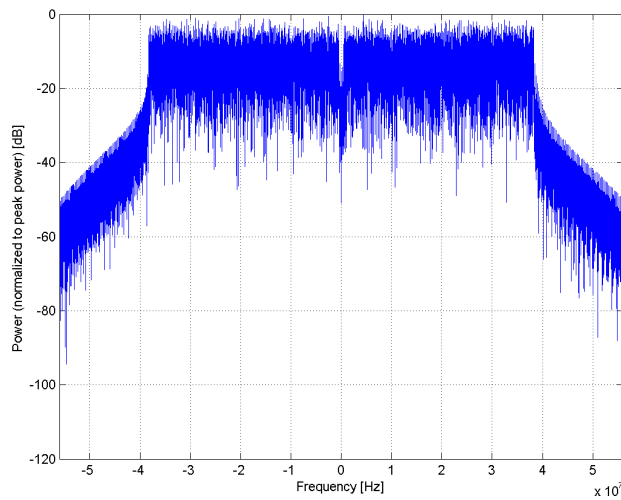
| | |
|-------------------------|--|
| Name: | IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle) |
| Group: | WLAN |
| UID: | 10550-AAC |
| PAR: ¹ | 8.38 dB |
| MIF: ² | -19.70 dB |
| Standard Reference: | IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01 |
| Category: | Random amplitude 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-4 (5.825 - 5.925 MHz) Validation band (0.0 - 6000.0 MHz) |
| Detailed Specification: | Bandwidth: 80MHz Duty cycle: 99% MCS: 6 Number of spatial streams: 1 MPDU length: 8192 |
| Bandwidth: | 80.0 MHz |
| Integration Time: | 0.3 ms |

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

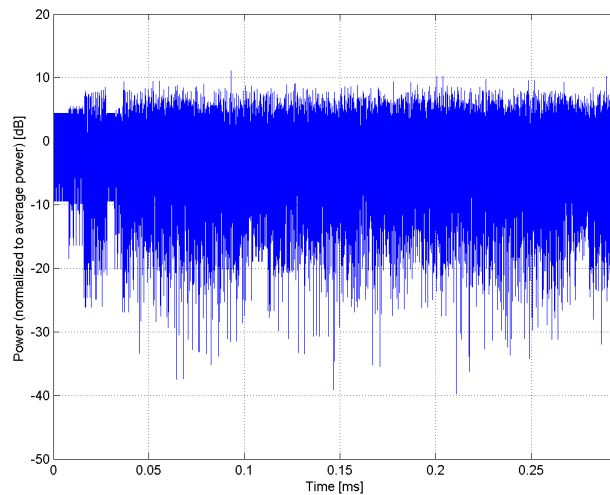
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)**

Group: WLAN
UID: 10551-AAC

PAR: ¹ **8.50 dB**
MIF: ² **-19.55 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 64-QAM

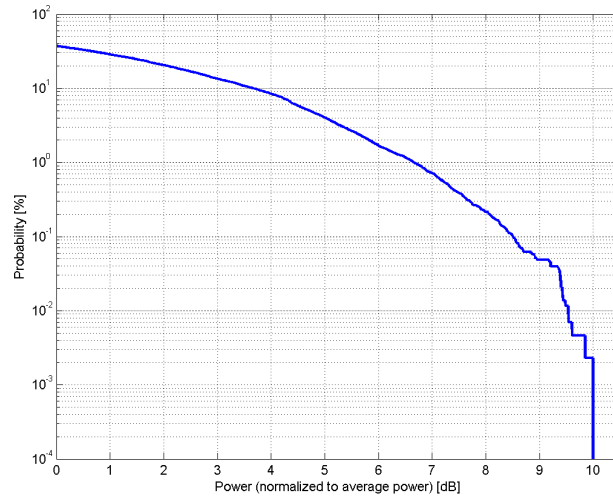
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 80MHz
Duty cycle: 99%
MCS: 7
Number of spatial streams: 1
MPDU length: 8192

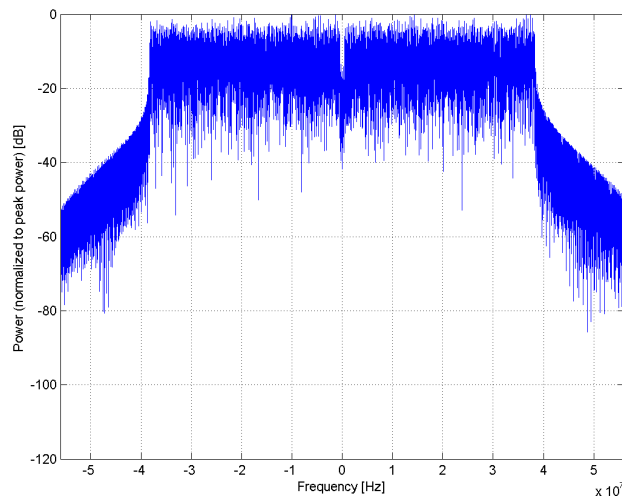
Bandwidth: 80.0 MHz
Integration Time: 0.3 ms

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

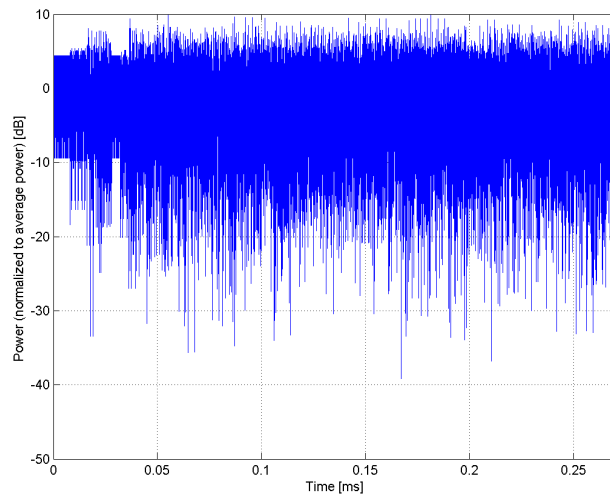
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)**

Group: WLAN
UID: 10552-AAC

PAR: ¹ **8.42 dB**
MIF: ² **-21.54 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 256-QAM

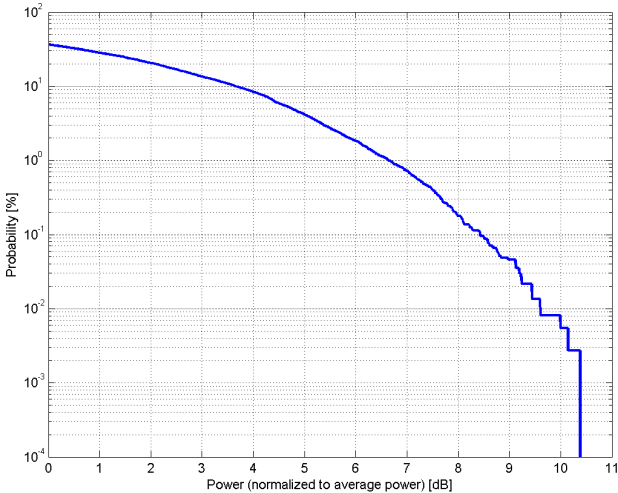
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 80MHz
Duty cycle: 99%
MCS: 8
Number of spatial streams: 1
MPDU length: 8192

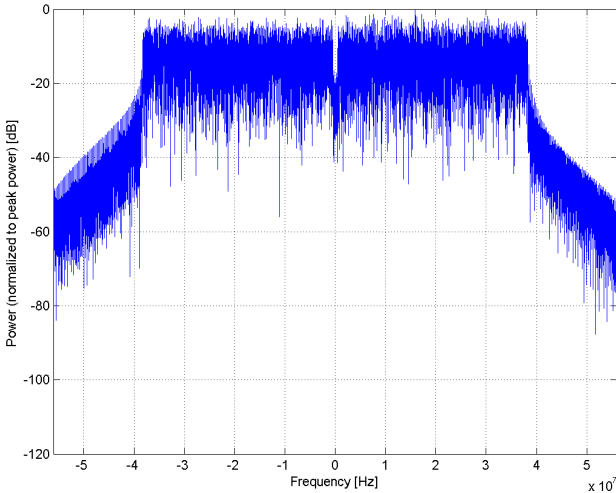
Bandwidth: 80.0 MHz
Integration Time: 0.2 ms

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

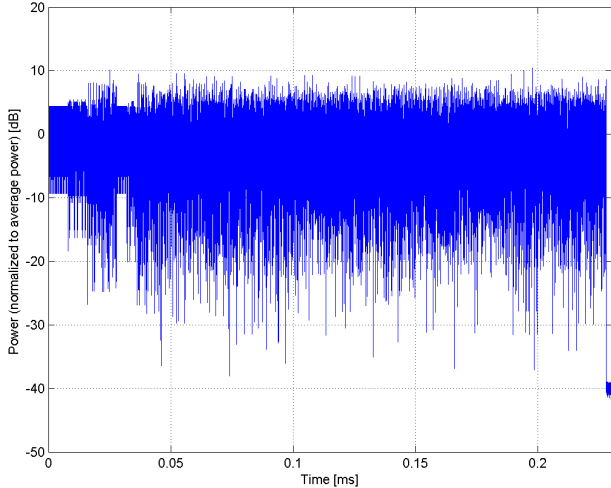
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)**

Group: WLAN
UID: 10553-AAC

PAR: ¹ **8.45 dB**
MIF: ² **-23.01 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 256-QAM

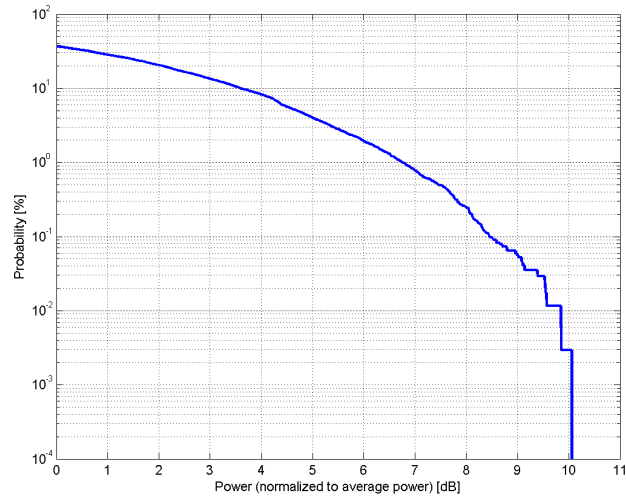
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 80MHz
Duty cycle: 99%
MCS: 9
Number of spatial streams: 1
MPDU length: 8192

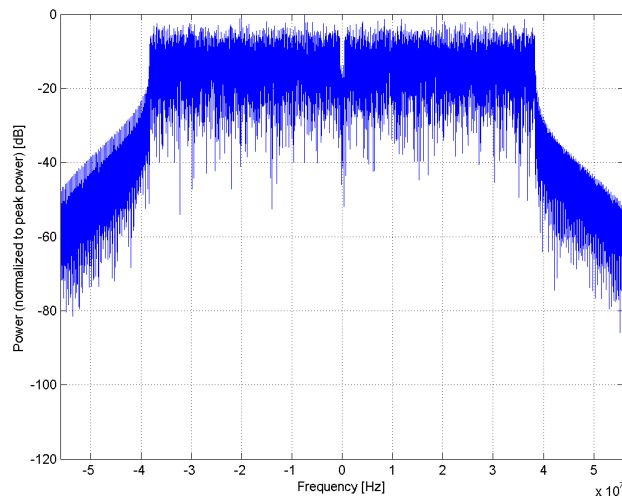
Bandwidth: 80.0 MHz
Integration Time: 0.2 ms

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

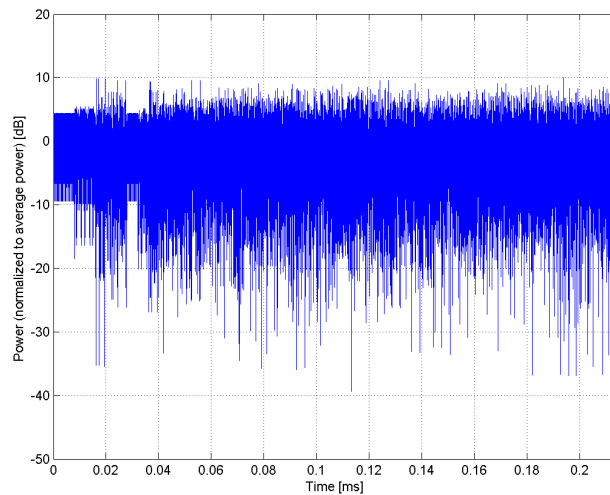
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)**

Group: WLAN
UID: 10554-AAD

PAR: ¹ **8.48 dB**
MIF: ² **-12.12 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: BPSK

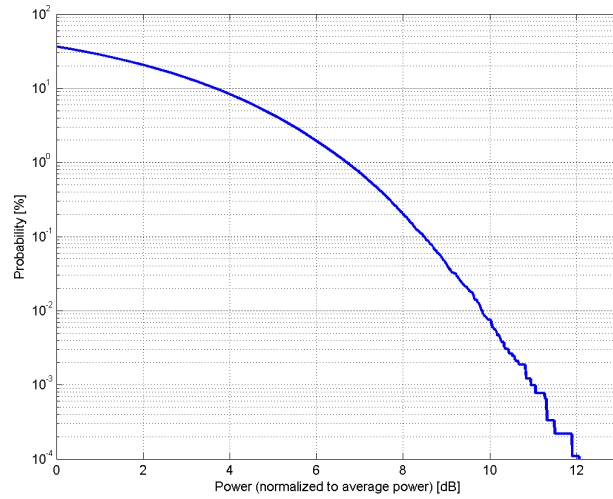
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 160MHz
Duty cycle: 99%
MCS: 0
Number of spatial streams: 1
MPDU length: 32768

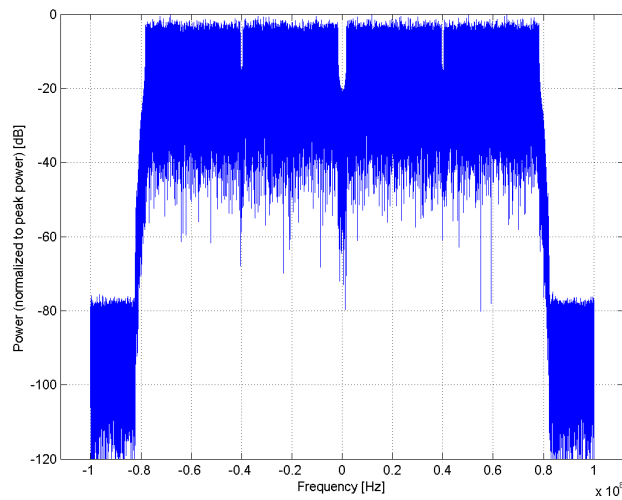
Bandwidth: 160.0 MHz
Integration Time: 4.6 ms

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

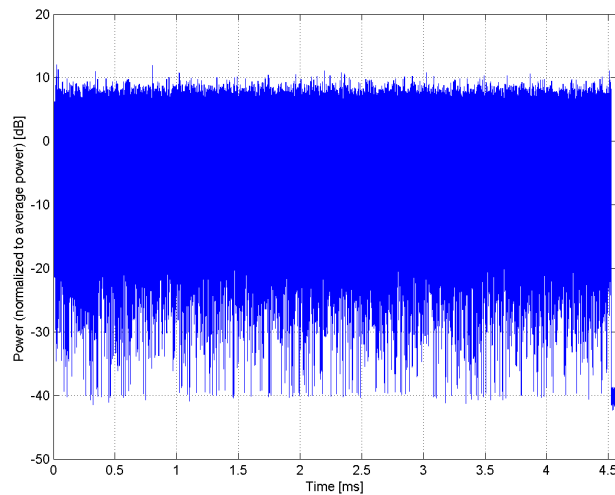
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)**

Group: WLAN
UID: 10555-AAD

PAR: ¹ **8.47 dB**
MIF: ² **-13.15 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: QPSK

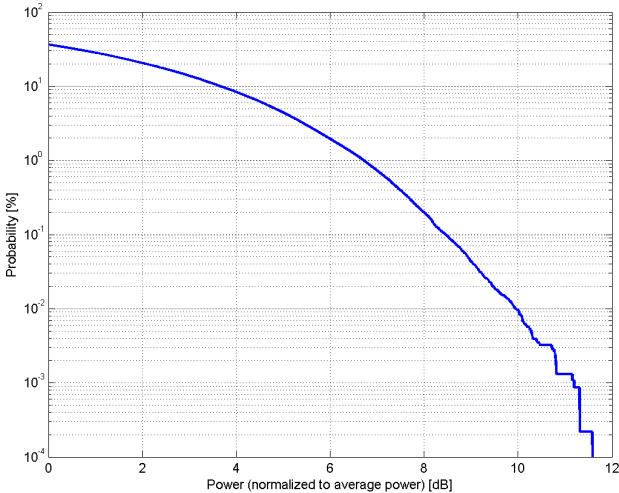
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 160MHz
Duty cycle: 99%
MCS: 1
Number of spatial streams: 1
MPDU length: 32768

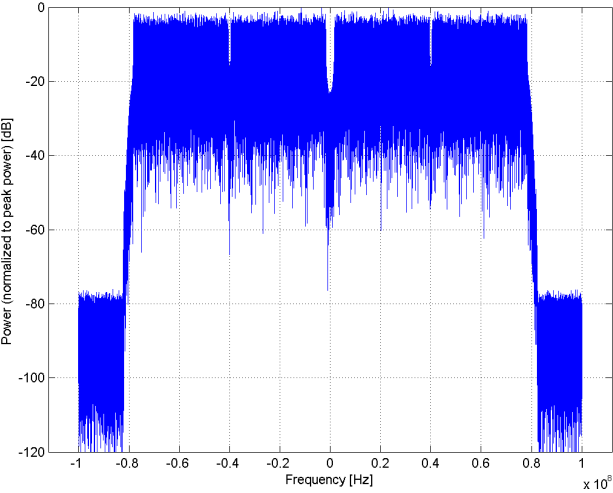
Bandwidth: 160.0 MHz
Integration Time: 2.3 ms

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

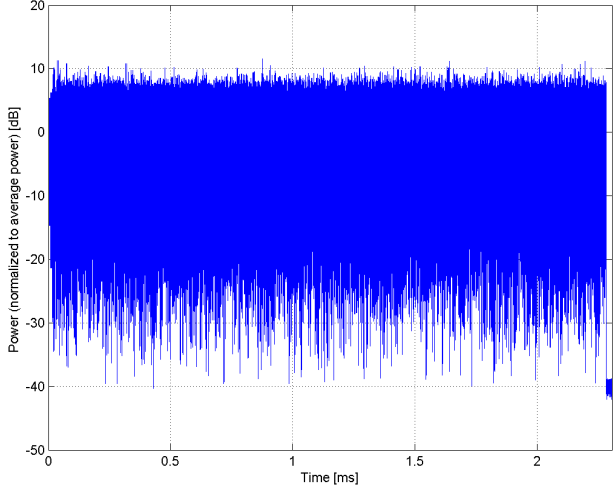
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)**

Group: WLAN
UID: 10556-AAD

PAR: ¹ **8.50 dB**
MIF: ² **-13.55 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: QPSK

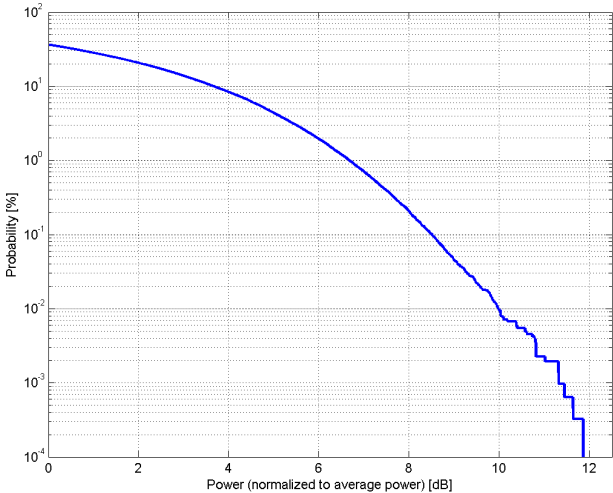
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 160MHz
Duty cycle: 99%
MCS: 2
Number of spatial streams: 1
MPDU length: 32768

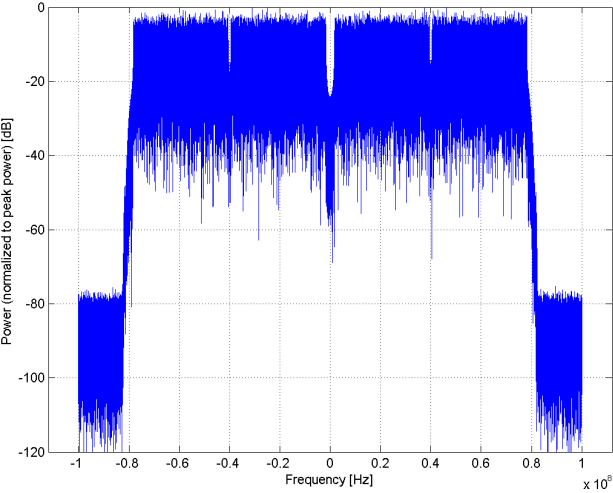
Bandwidth: 160.0 MHz
Integration Time: 1.6 ms

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

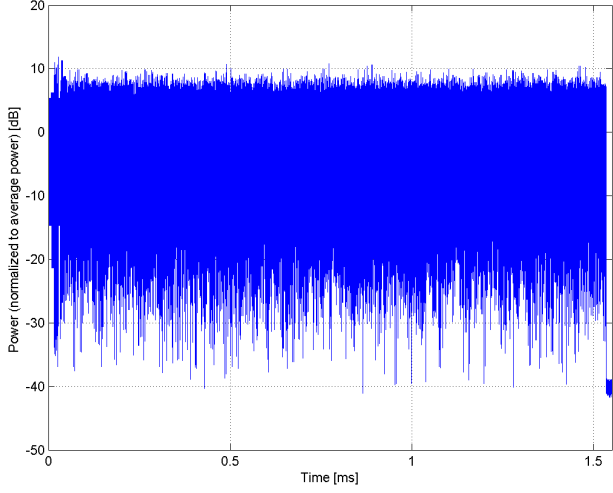
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)**

Group: WLAN
UID: 10557-AAD

PAR: ¹ **8.52 dB**
MIF: ² **-13.89 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 16-QAM

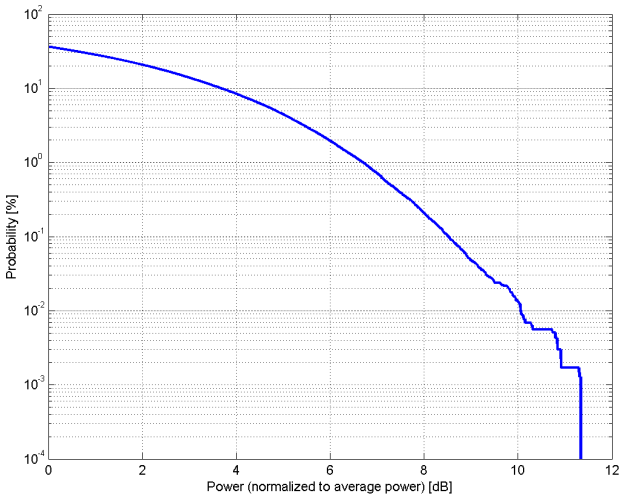
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 160MHz
Duty cycle: 99%
MCS: 3
Number of spatial streams: 1
MPDU length: 32768

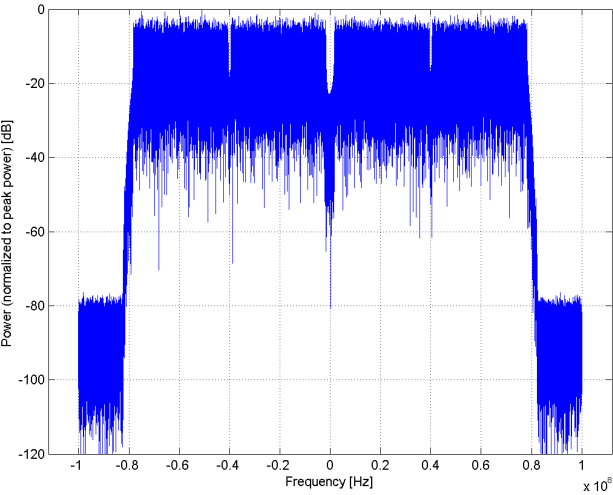
Bandwidth: 160.0 MHz
Integration Time: 1.2 ms

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

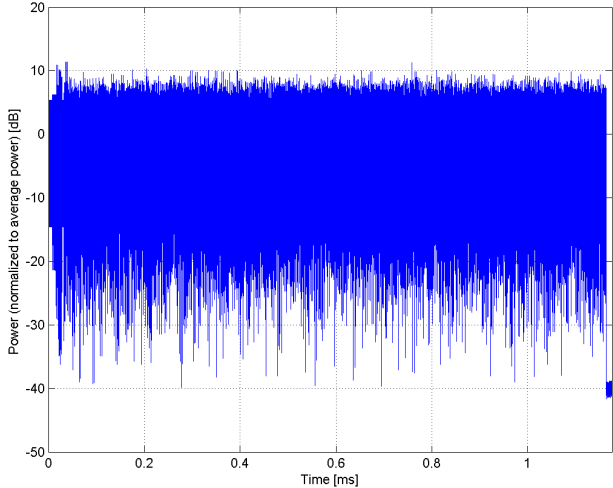
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)**

Group: WLAN
UID: 10558-AAD

PAR: ¹ **8.61 dB**
MIF: ² **-14.15 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 16-QAM

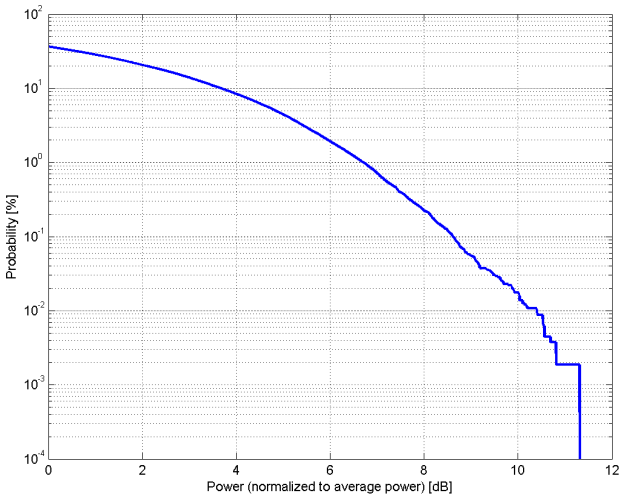
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 160MHz
Duty cycle: 99%
MCS: 4
Number of spatial streams: 1
MPDU length: 32768

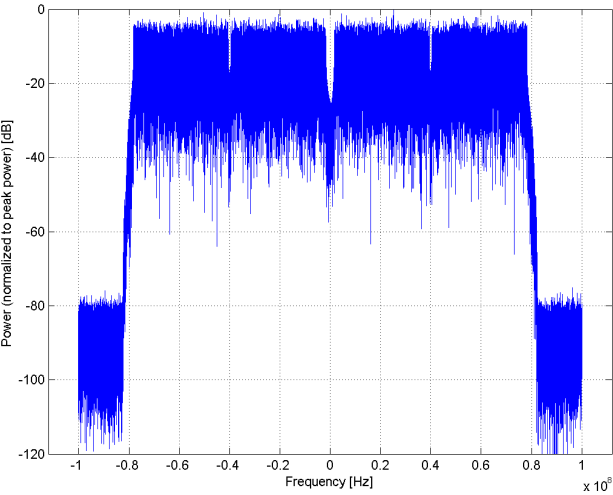
Bandwidth: 160.0 MHz
Integration Time: 0.8 ms

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

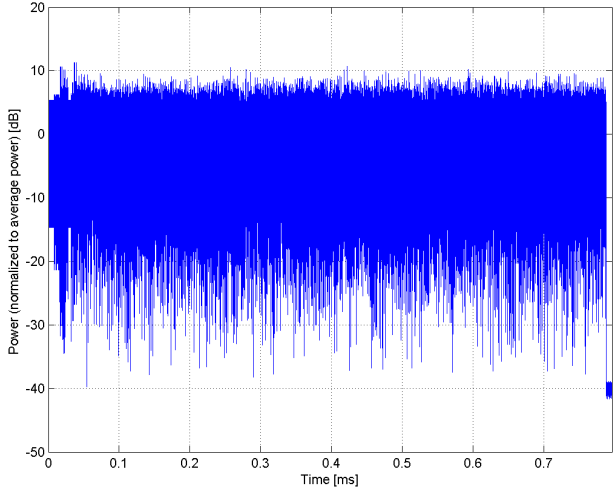
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

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

Group: WLAN
UID: 10560-AAD

PAR: ¹ **8.73 dB**
MIF: ² **-14.69 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 64-QAM

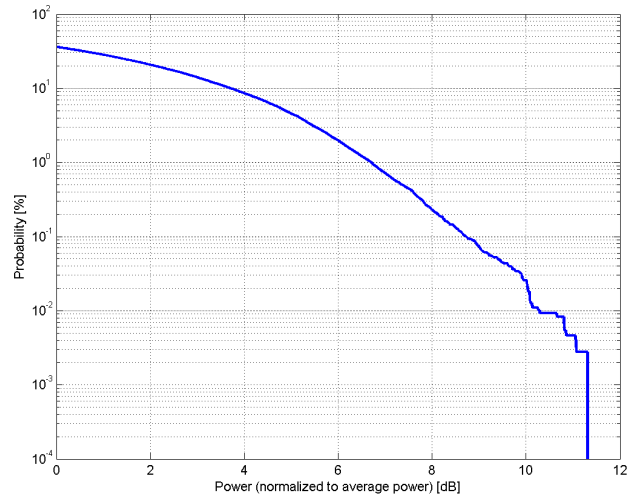
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 160MHz
Duty cycle: 99%
MCS: 6
Number of spatial streams: 1
MPDU length: 32768

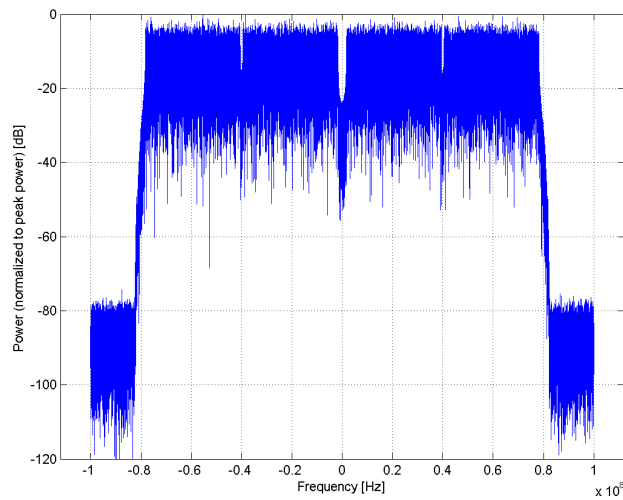
Bandwidth: 160.0 MHz
Integration Time: 0.5 ms

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

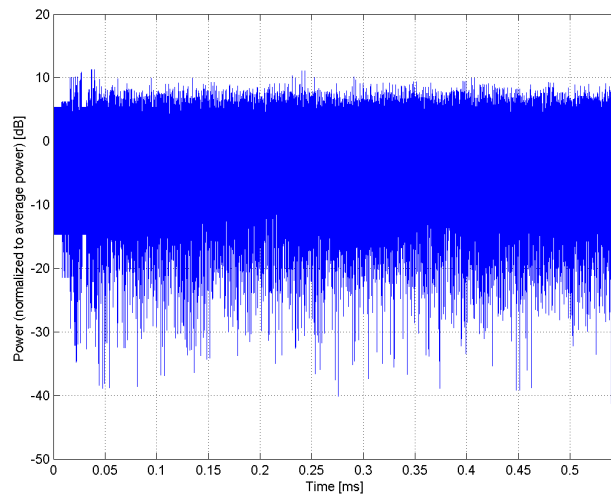
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)**

Group: WLAN
UID: 10561-AAD

PAR: ¹ **8.56 dB**
MIF: ² **-15.13 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 64-QAM

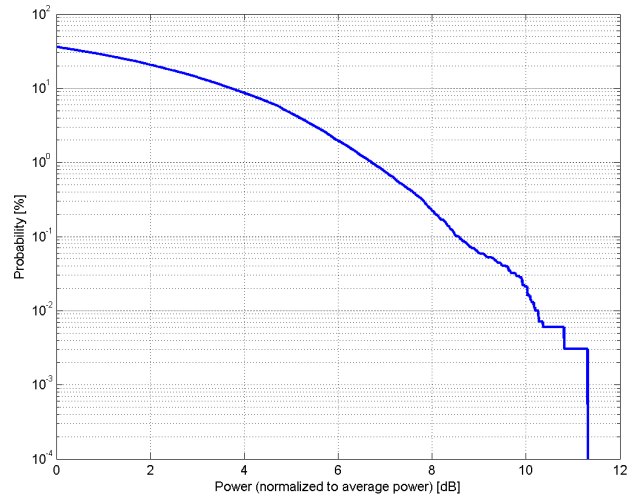
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 160MHz
Duty cycle: 99%
MCS: 7
Number of spatial streams: 1
MPDU length: 32768

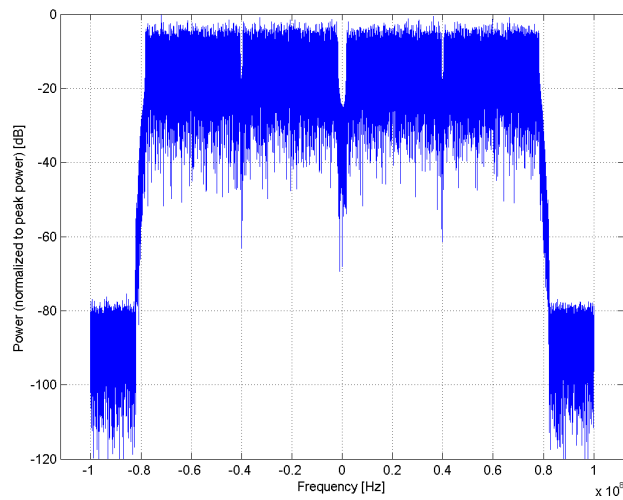
Bandwidth: 160.0 MHz
Integration Time: 0.5 ms

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

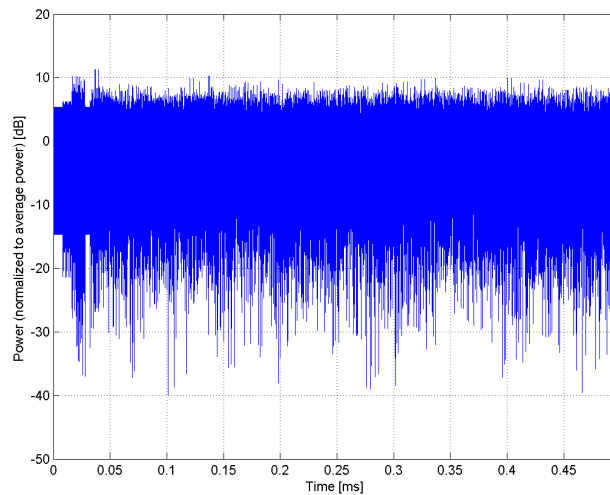
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

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

Group: WLAN
UID: 10562-AAD

PAR: ¹ **8.69 dB**
MIF: ² **-15.04 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 256-QAM

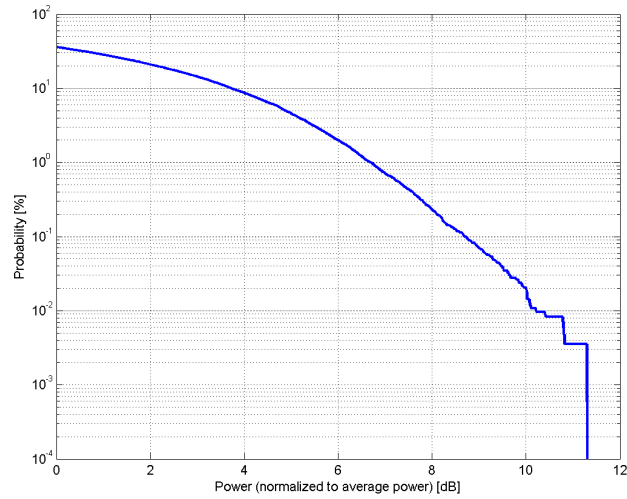
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 160MHz
Duty cycle: 99%
MCS: 8
Number of spatial streams: 1
MPDU length: 32768

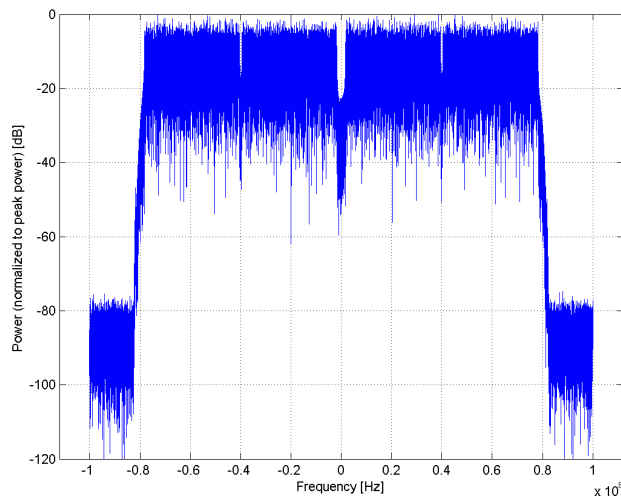
Bandwidth: 160.0 MHz
Integration Time: 0.4 ms

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

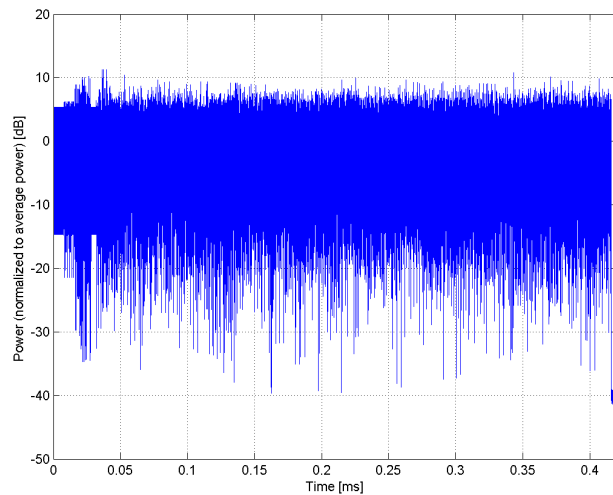
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

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

Group: WLAN
UID: 10563-AAD

PAR: ¹ **8.77 dB**
MIF: ² **-15.40 dB**

Standard Reference: IEEE 802.11-2013
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: 256-QAM

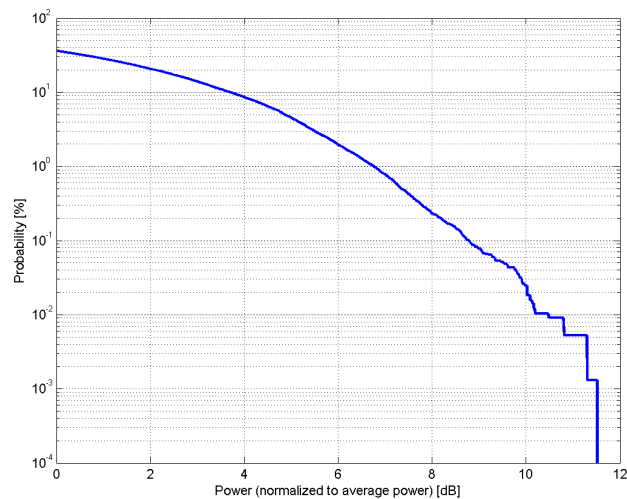
Frequency Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz)
WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Bandwidth: 160MHz
Duty cycle: 99%
MCS: 9
Number of spatial streams: 1
MPDU length: 32768

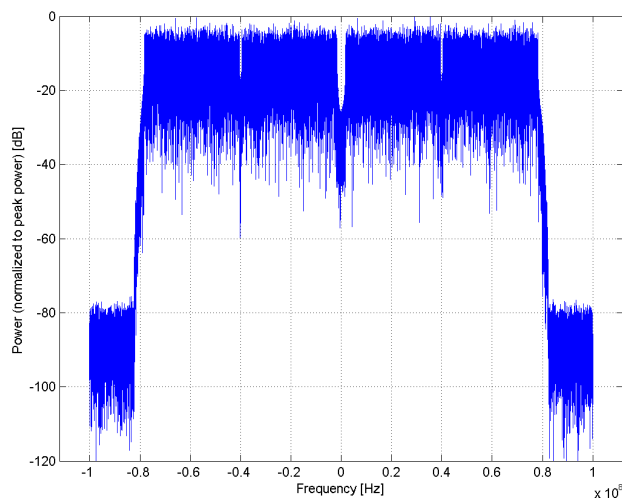
Bandwidth: 160.0 MHz
Integration Time: 0.4 ms

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

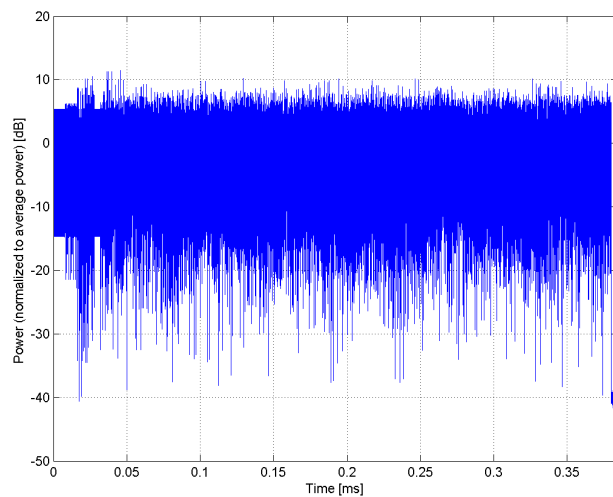
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)**

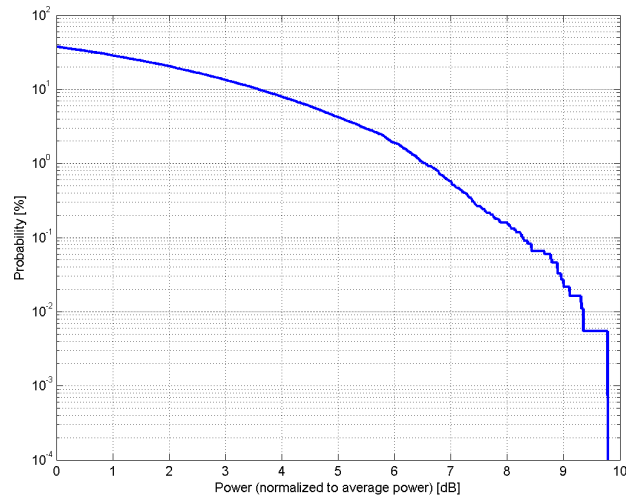
Group: WLAN
UID: 10564-AAA

PAR: ¹ **8.25 dB**
MIF: ² **-15.41 dB**

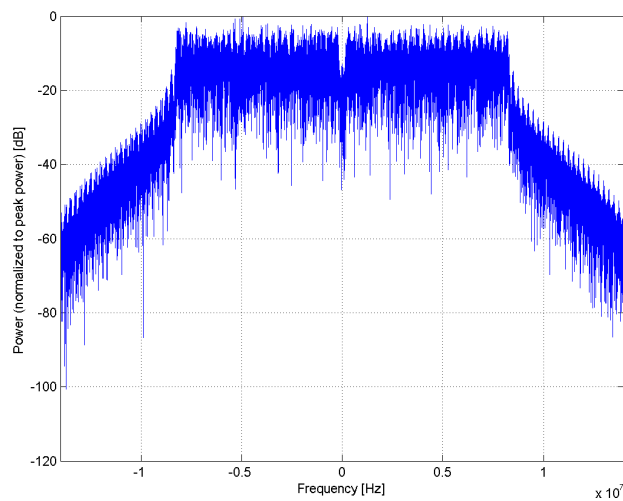
Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category: Random amplitude modulation
Modulation: BPSK
Frequency Band: WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification: Duty cycle: 99 %
PSDU length: 1000 bytes
Frame format: DSSS-OFDM
Data Rate: 9Mbps
Preamble type: long
Bandwidth: 20.0 MHz
Integration Time: 0.9 ms

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

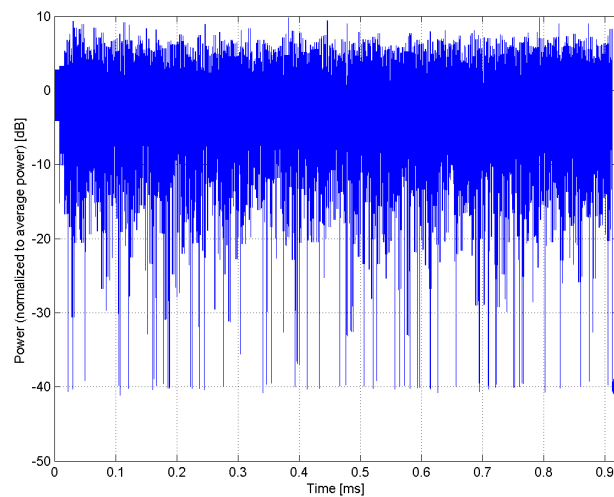
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)**

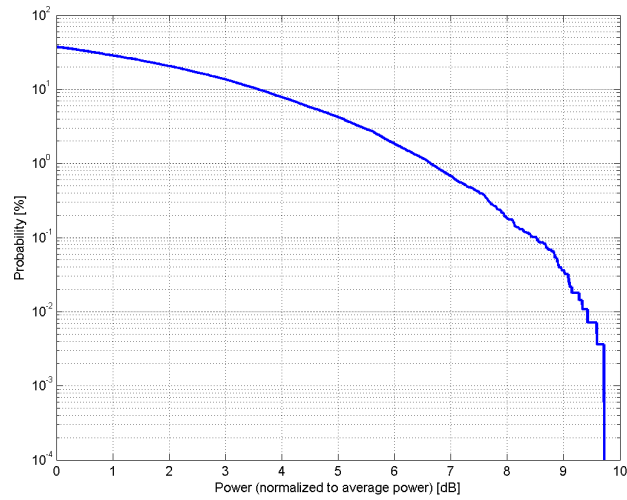
Group: WLAN
UID: 10565-AAA

PAR: ¹ **8.45 dB**
MIF: ² **-16.70 dB**

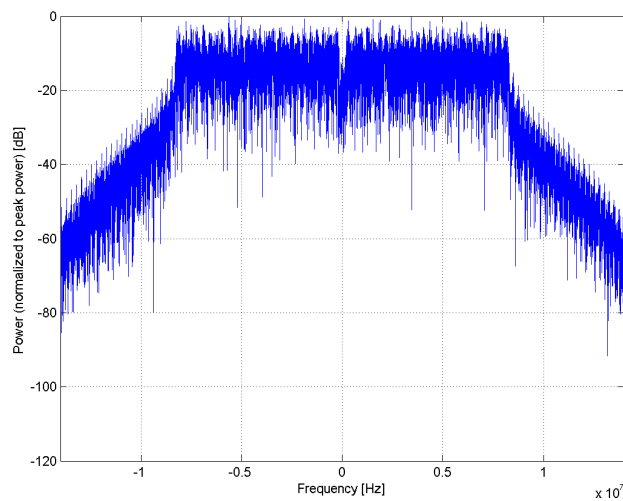
Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification: Duty cycle: 99 %
PSDU length: 1000 bytes
Frame format: DSSS-OFDM
Data Rate: 12Mbps
Preamble type: long
Bandwidth: 20.0 MHz
Integration Time: 0.7 ms

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

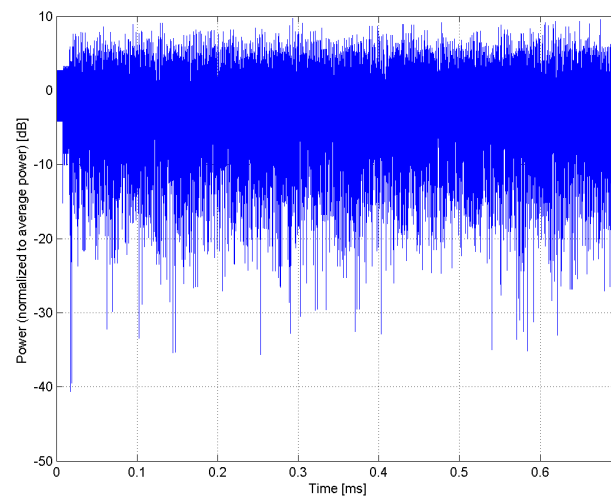
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)**

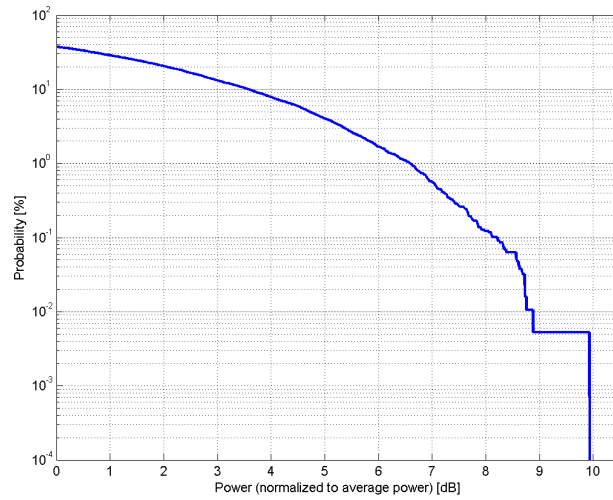
Group: WLAN
UID: 10566-AAA

PAR: ¹ **8.13 dB**
MIF: ² **-18.78 dB**

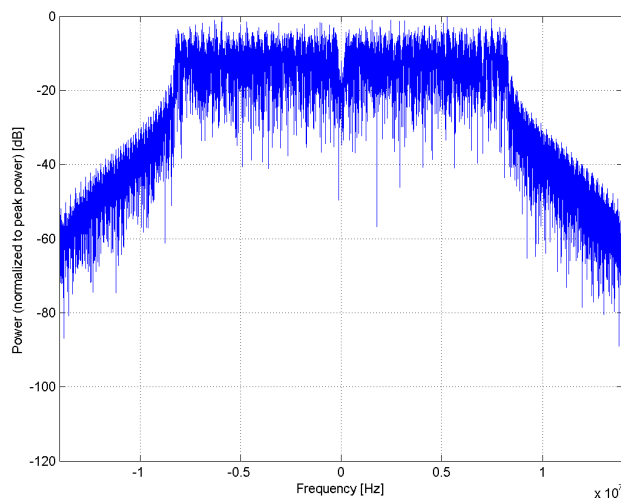
Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification: Duty cycle: 99 %
PSDU length: 1000 bytes
Frame format: DSSS-OFDM
Data Rate: 18Mbps
Preamble type: long
Bandwidth: 20.0 MHz
Integration Time: 0.5 ms

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

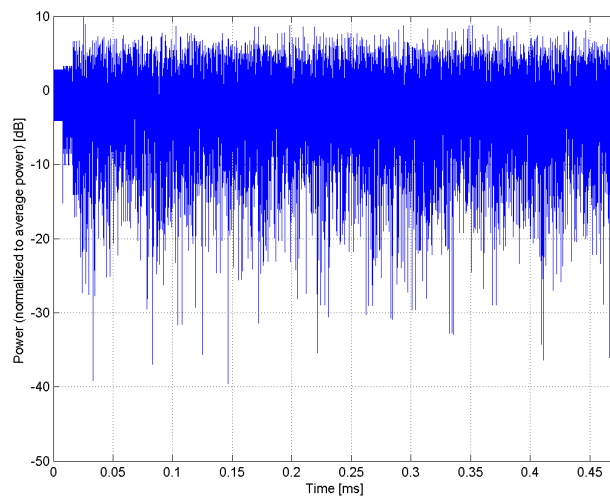
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)**

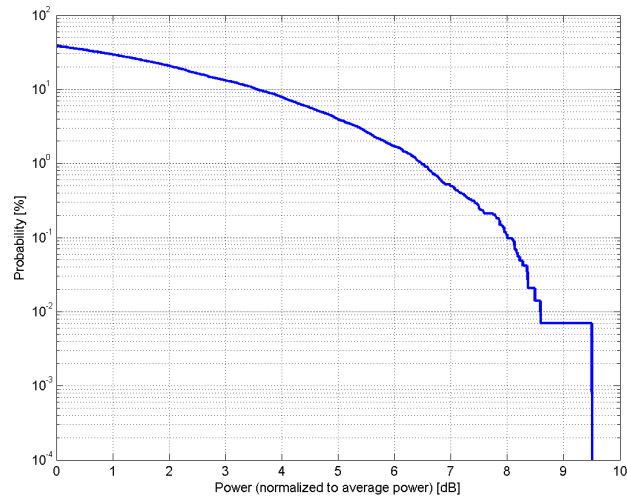
Group: WLAN
UID: 10567-AAA

PAR: ¹ **8.00 dB**
MIF: ² **-23.09 dB**

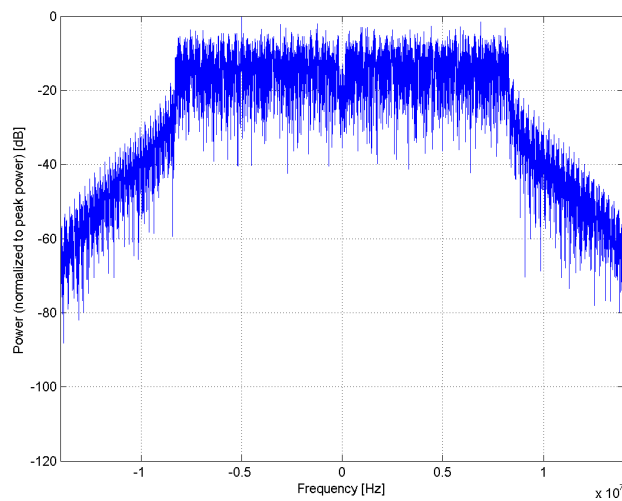
Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category: Random amplitude modulation
Modulation: 16-QAM
Frequency Band: WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification: Duty cycle: 99 %
PSDU length: 1000 bytes
Frame format: DSSS-OFDM
Data Rate: 24Mbps
Preamble type: long
Bandwidth: 20.0 MHz
Integration Time: 0.4 ms

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

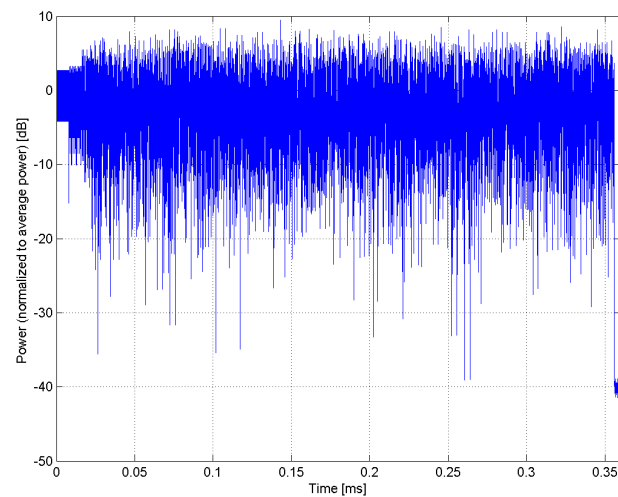
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)**

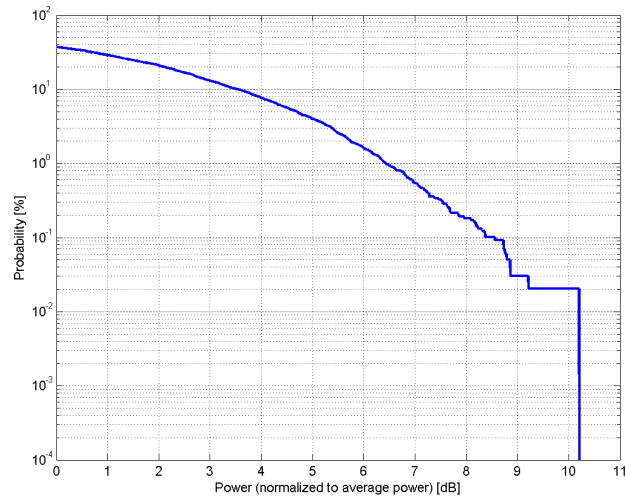
Group: WLAN
UID: 10568-AAA

PAR: ¹ **8.37 dB**
MIF: ² **-22.04 dB**

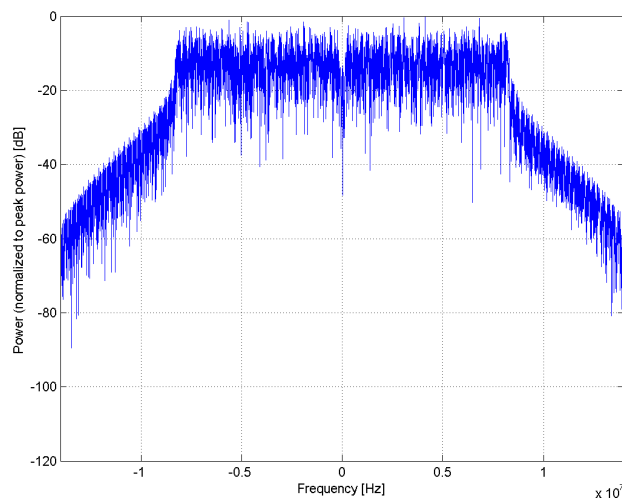
Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category: Random amplitude modulation
Modulation: 16-QAM
Frequency Band: WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification: Duty cycle: 99 %
PSDU length: 1000 bytes
Frame format: DSSS-OFDM
Data Rate: 36Mbps
Preamble type: long
Bandwidth: 20.0 MHz
Integration Time: 0.2 ms

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

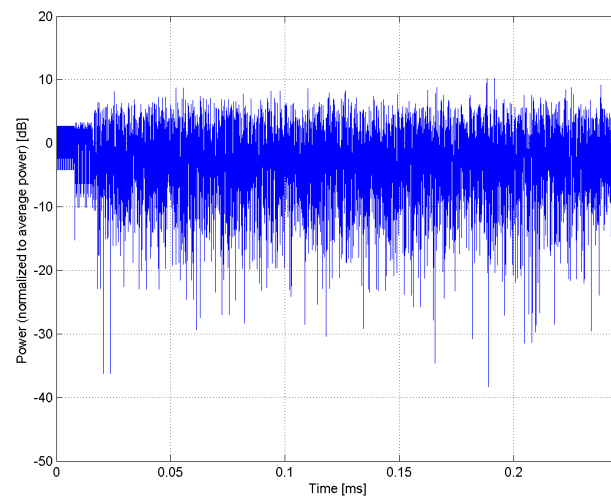
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)**

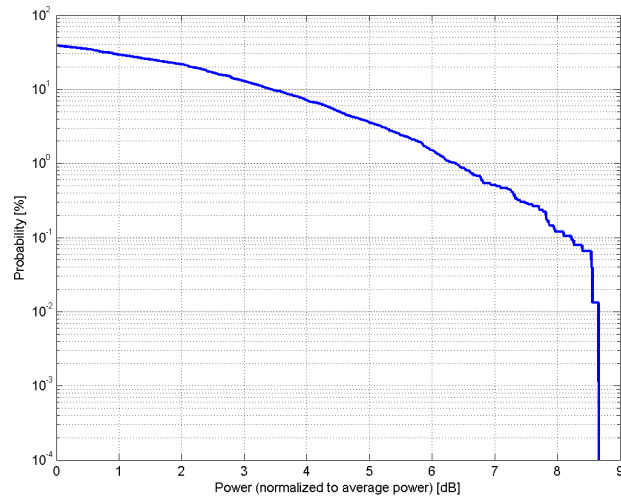
Group: WLAN
UID: 10569-AAA

PAR: ¹ **8.10 dB**
MIF: ² **-24.25 dB**

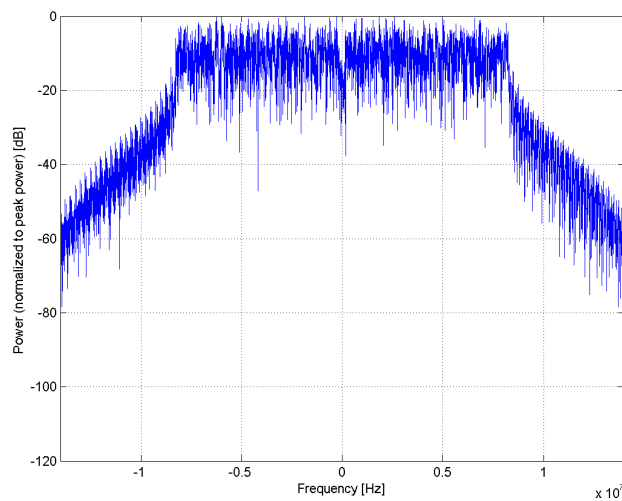
Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category: Random amplitude modulation
Modulation: 64-QAM
Frequency Band: WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification: Duty cycle: 99 %
PSDU length: 1000 bytes
Frame format: DSSS-OFDM
Data Rate: 48Mbps
Preamble type: long
Bandwidth: 20.0 MHz
Integration Time: 0.2 ms

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

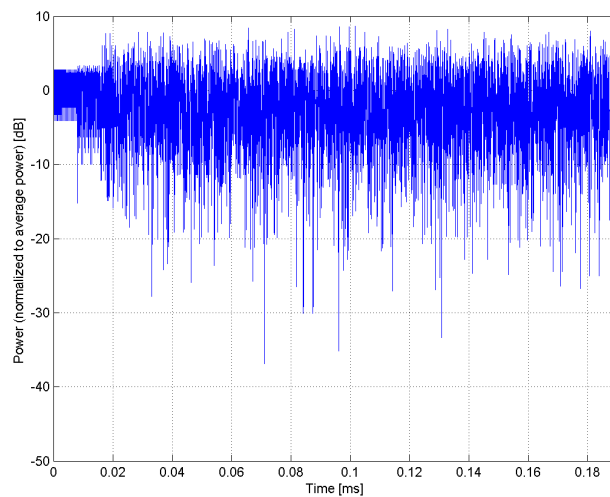
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

**Calibration Laboratory of
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Name: **IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)**

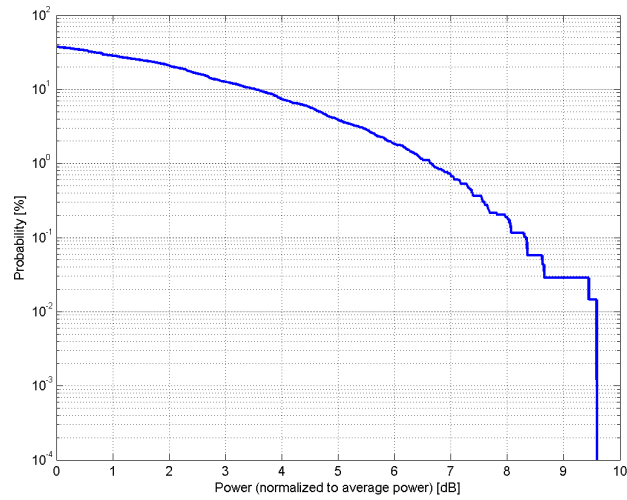
Group: WLAN
UID: 10570-AAA

PAR: ¹ **8.30 dB**
MIF: ² **-29.31 dB**

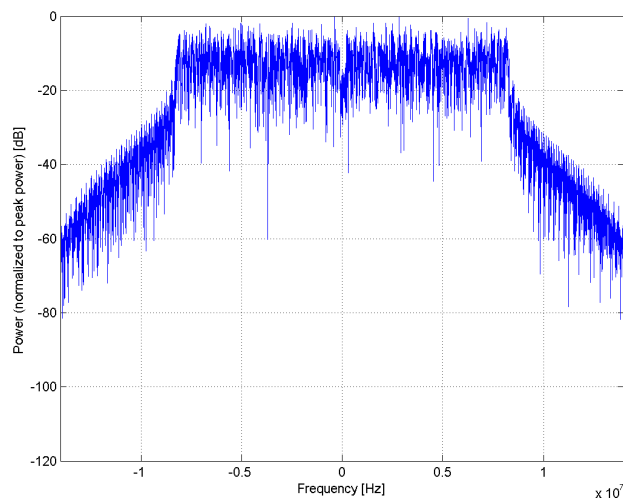
Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category: Random amplitude modulation
Modulation: 64-QAM
Frequency Band: WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification: Duty cycle: 99 %
PSDU length: 1000 bytes
Frame format: DSSS-OFDM
Data Rate: 54Mbps
Preamble type: long
Bandwidth: 20.0 MHz
Integration Time: 0.2 ms

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

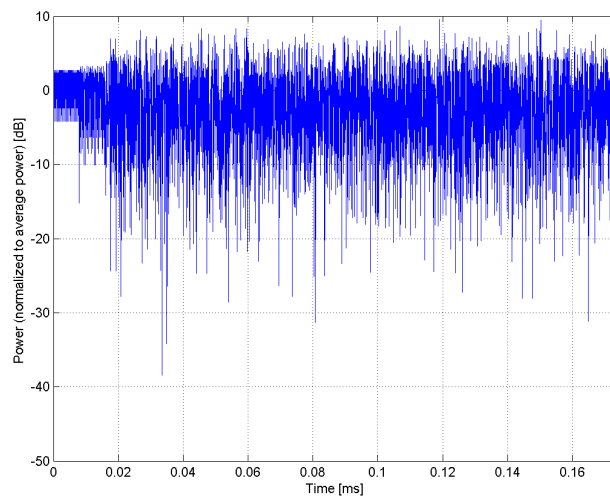
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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Name: **IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)**

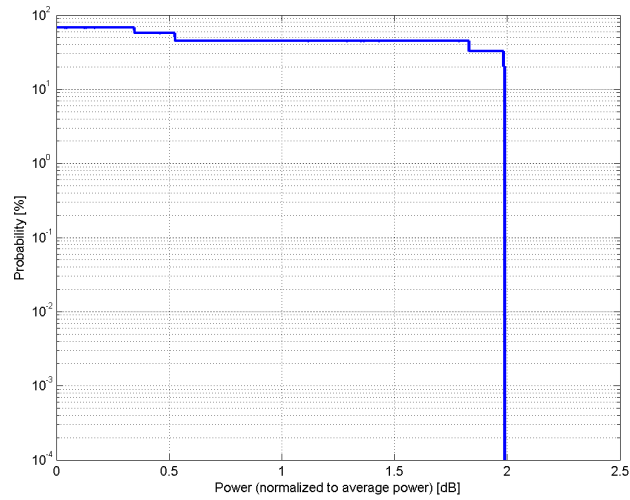
Group: WLAN
UID: 10571-AAA

PAR: ¹ **1.99 dB**
MIF: ² **-5.62 dB**

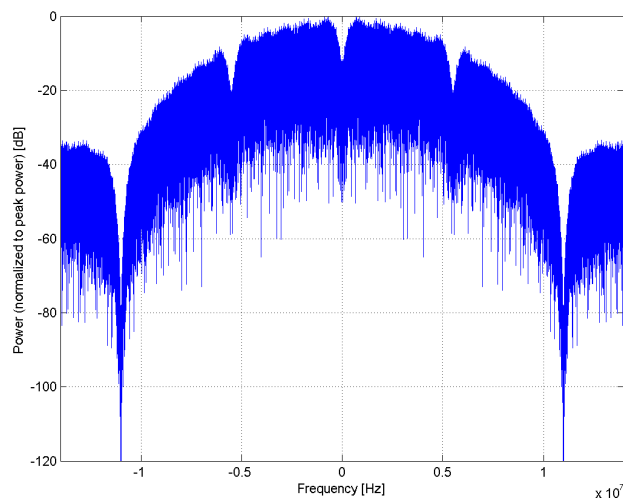
Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category: Random amplitude modulation
Modulation: DQPSK
Frequency Band: WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification: Duty cycle: 90 %
PSDU length: 1024 bytes
Preamble type: long
Data Rate: 1Mbps
Bandwidth: 20.0 MHz
Integration Time: 9.3 ms

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

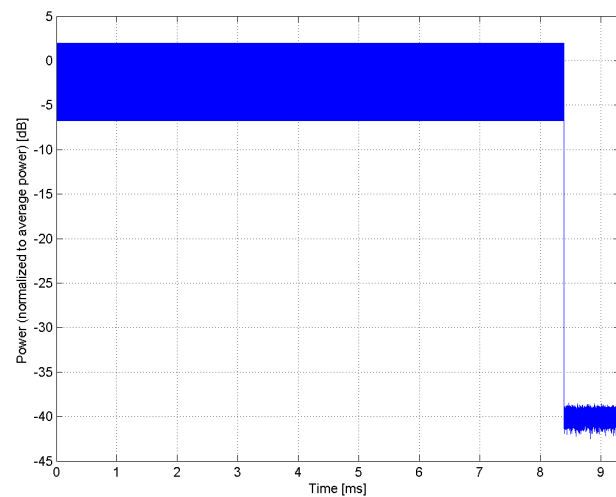
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



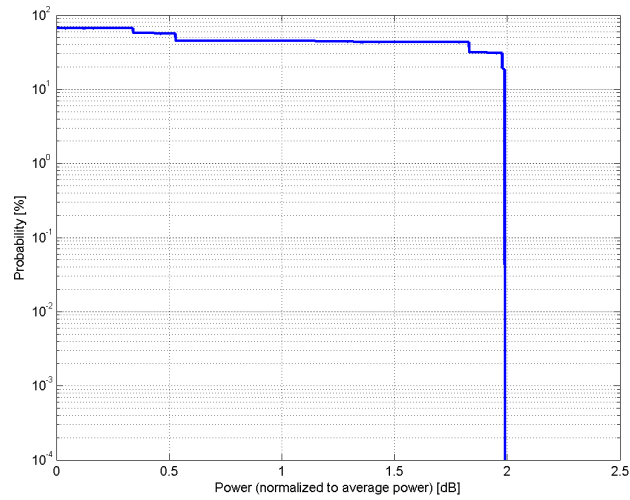
Time Domain

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Zeughausstrasse 43, 8004 Zurich, Switzerland

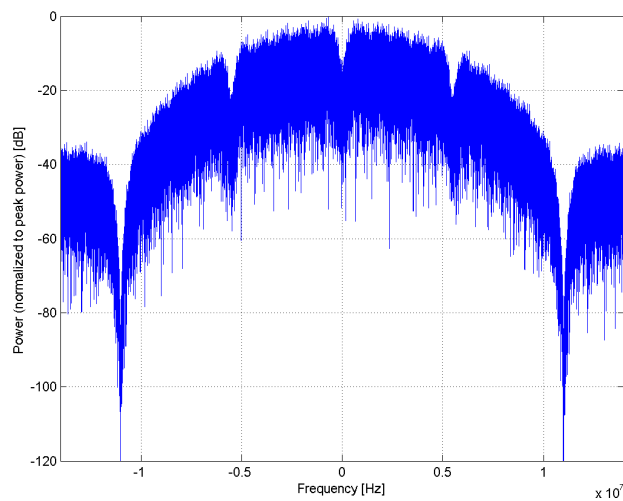
| | |
|-------------------------|--|
| Name: | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) |
| Group: | WLAN |
| UID: | 10572-AAA |
| PAR: ¹ | 1.99 dB |
| MIF: ² | -5.53 dB |
| Standard Reference: | IEEE 802.11-2012 |
| Category: | FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01 Random amplitude modulation |
| Modulation: | DQPSK |
| Frequency Band: | WLAN 2.4GHz (2412.0-2484.0 MHz, 20230) |
| Detailed Specification: | Duty cycle: 90 % PSDU length: 1024 bytes Preamble type: long Data Rate: 2Mbps |
| Bandwidth: | 20.0 MHz |
| Integration Time: | 4.8 ms |

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

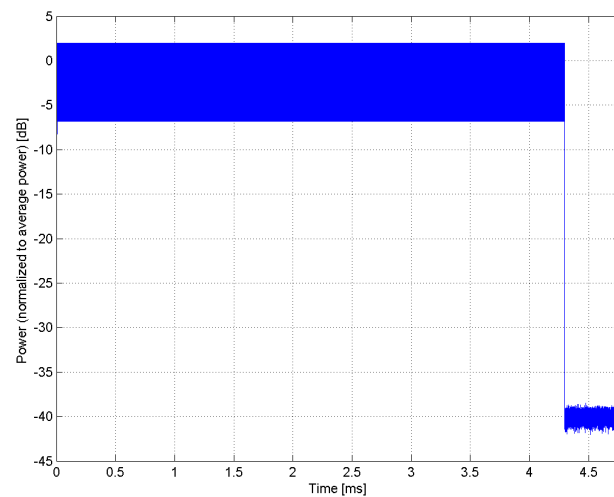
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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Name: **IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)**

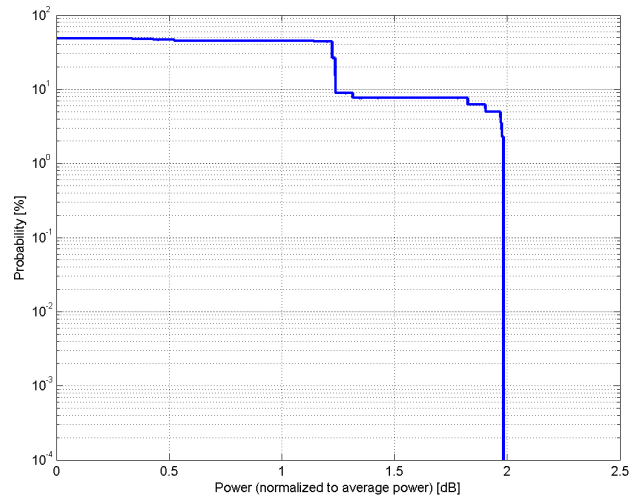
Group: WLAN
UID: 10573-AAA

PAR: ¹ **1.98 dB**
MIF: ² **-5.73 dB**

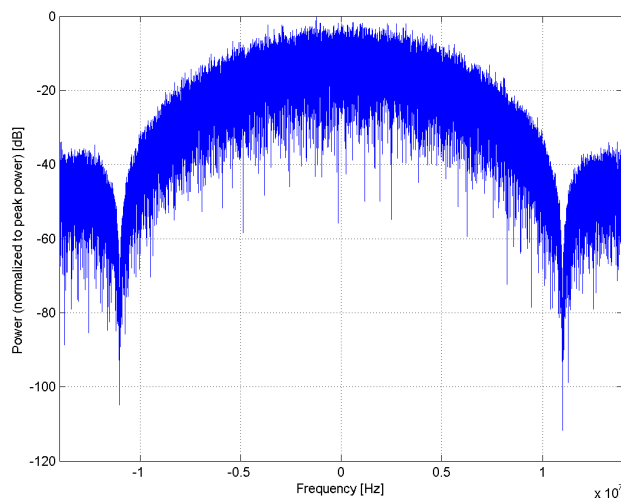
Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category: Random amplitude modulation
Modulation: DQPSK
Frequency Band: WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification: Duty cycle: 90 %
PSDU length: 1024 bytes
Preamble type: long
Data Rate: 5.5Mbps
Bandwidth: 20.0 MHz
Integration Time: 1.9 ms

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

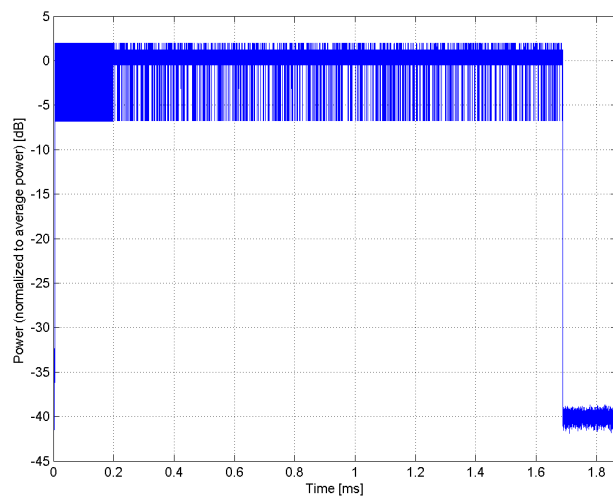
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



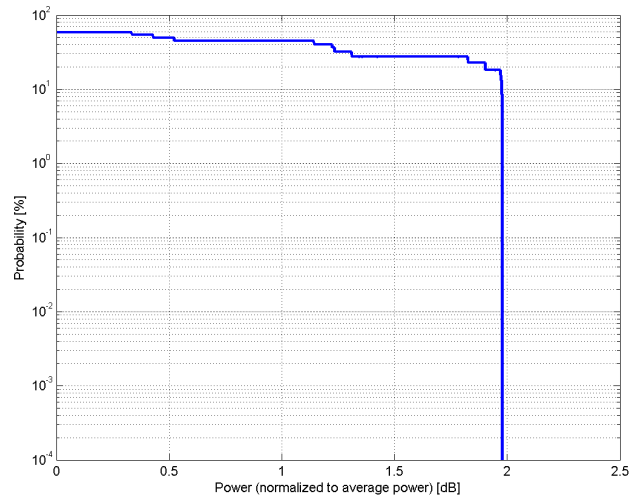
Time Domain

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Zeughausstrasse 43, 8004 Zurich, Switzerland

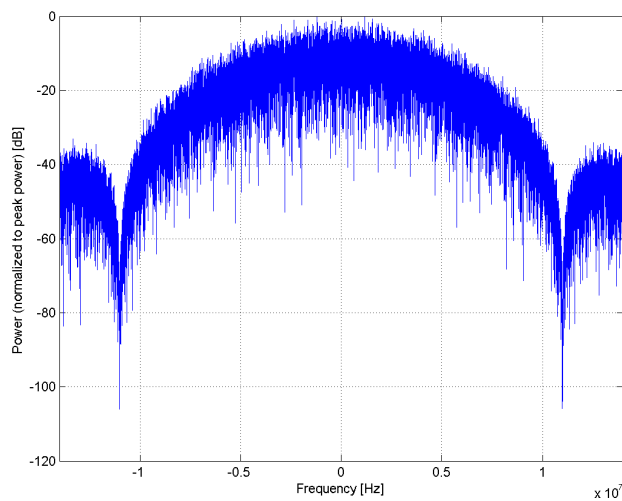
| | |
|-------------------------|---|
| Name: | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) |
| Group: | WLAN |
| UID: | 10574-AAA |
| PAR: ¹ | 1.98 dB |
| MIF: ² | -6.42 dB |
| Standard Reference: | IEEE 802.11-2012 |
| Category: | FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01 Random amplitude modulation |
| Modulation: | DQPSK |
| Frequency Band: | WLAN 2.4GHz (2412.0-2484.0 MHz, 20230) |
| Detailed Specification: | Duty cycle: 90 % PSDU length: 1024 bytes Preamble type: long Data Rate: 11Mbps |
| Bandwidth: | 20.0 MHz |
| Integration Time: | 1.0 ms |

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

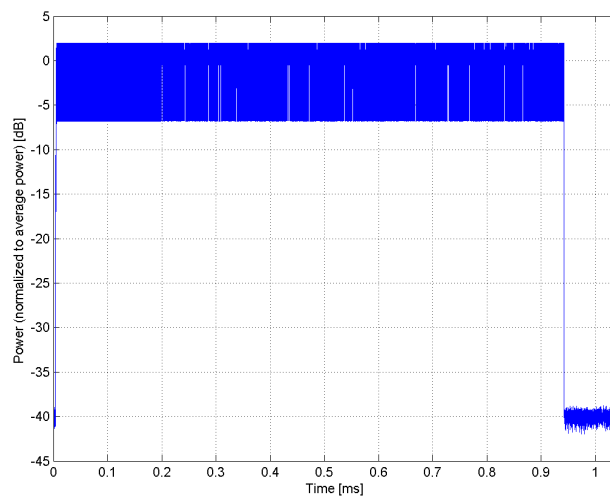
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)**

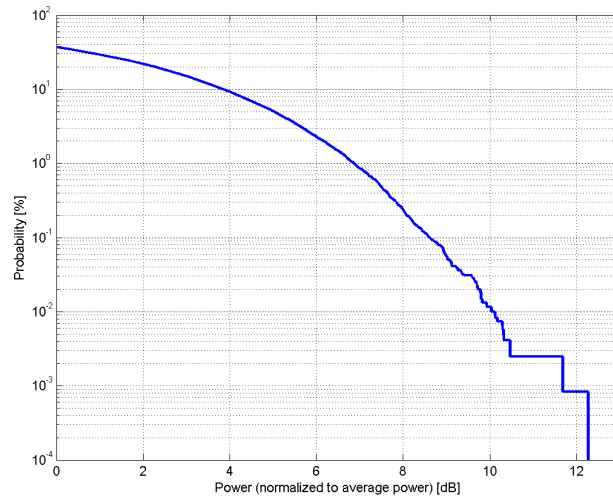
Group: WLAN
UID: 10575-AAA

PAR: ¹ **8.59 dB**
MIF: ² **-6.10 dB**

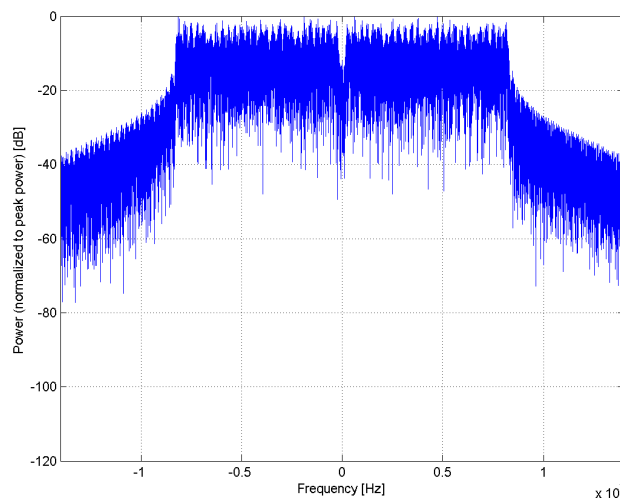
Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category: Random amplitude modulation
Modulation: BPSK
Frequency Band: WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification: Duty cycle: 90 %
PSDU length: 1000 bytes
Frame format: DSSS-OFDM
Data Rate: 6Mbps
Preamble type: long
Bandwidth: 20.0 MHz
Integration Time: 1.5 ms

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

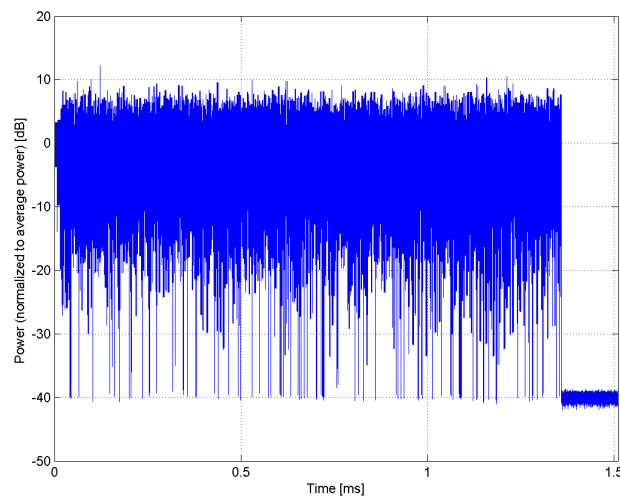
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)**

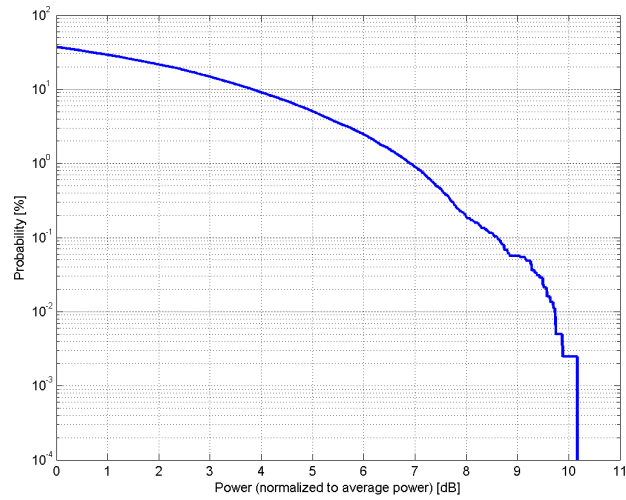
Group: WLAN
UID: 10576-AAA

PAR: ¹ **8.60 dB**
MIF: ² **-6.64 dB**

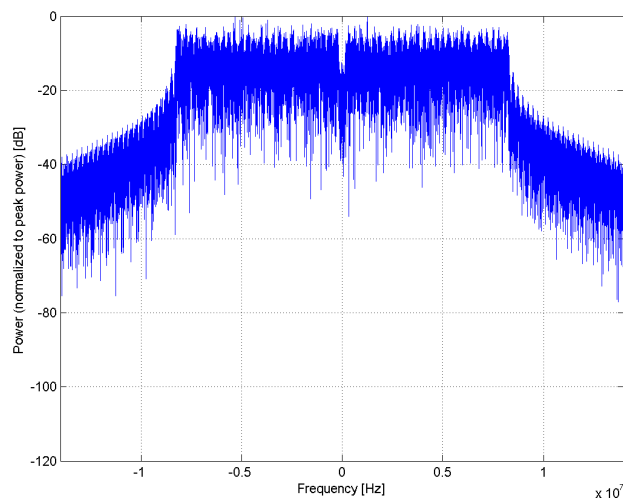
Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category: Random amplitude modulation
Modulation: BPSK
Frequency Band: WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification: Duty cycle: 90 %
PSDU length: 1000 bytes
Frame format: DSSS-OFDM
Data Rate: 9Mbps
Preamble type: long
Bandwidth: 20.0 MHz
Integration Time: 1.0 ms

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

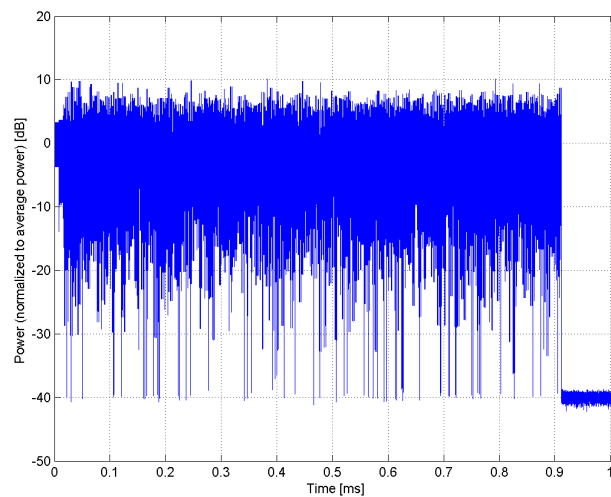
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)**

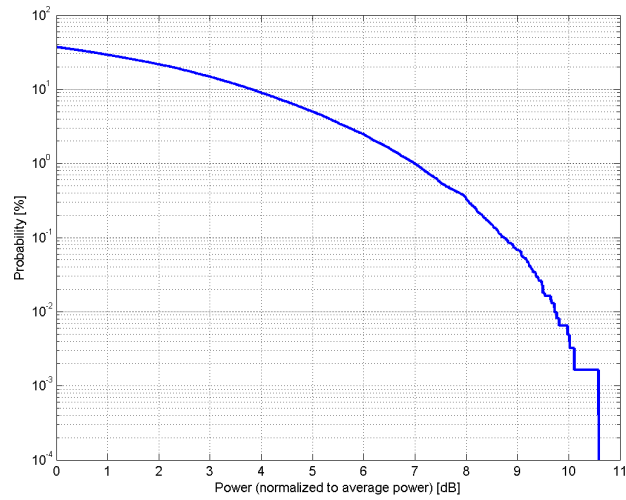
Group: WLAN
UID: 10577-AAA

PAR: ¹ **8.70 dB**
MIF: ² **-7.19 dB**

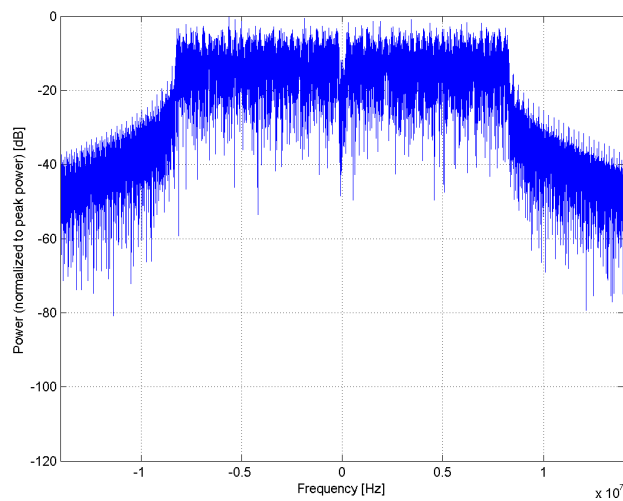
Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification: Duty cycle: 90 %
PSDU length: 1000 bytes
Frame format: DSSS-OFDM
Data Rate: 12Mbps
Preamble type: long
Bandwidth: 20.0 MHz
Integration Time: 0.8 ms

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

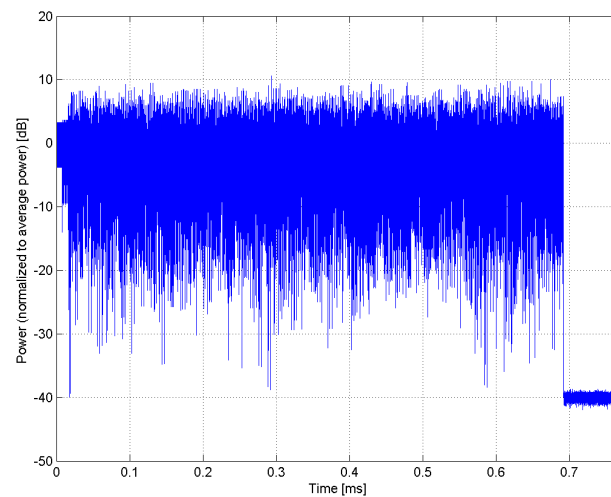
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)**

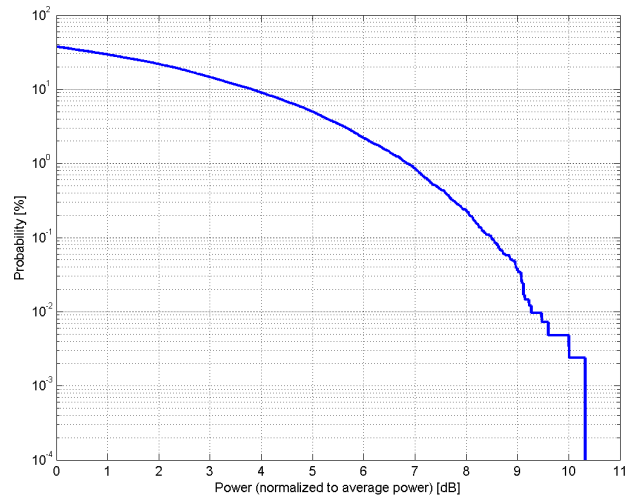
Group: WLAN
UID: 10578-AAA

PAR: ¹ **8.49 dB**
MIF: ² **-8.19 dB**

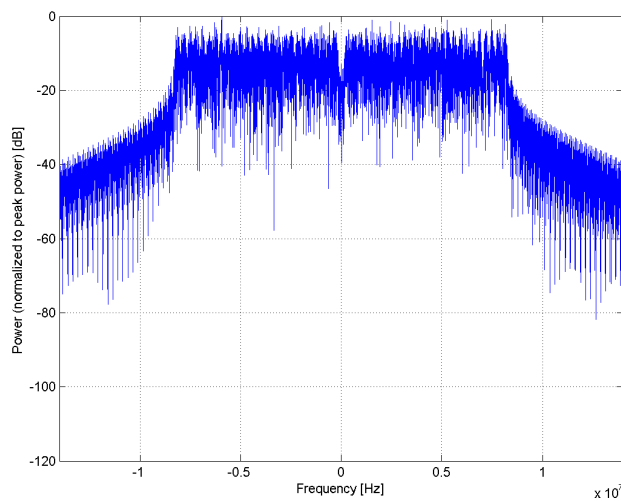
Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category: Random amplitude modulation
Modulation: QPSK
Frequency Band: WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification: Duty cycle: 90 %
PSDU length: 1000 bytes
Frame format: DSSS-OFDM
Data Rate: 18Mbps
Preamble type: long
Bandwidth: 20.0 MHz
Integration Time: 0.5 ms

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

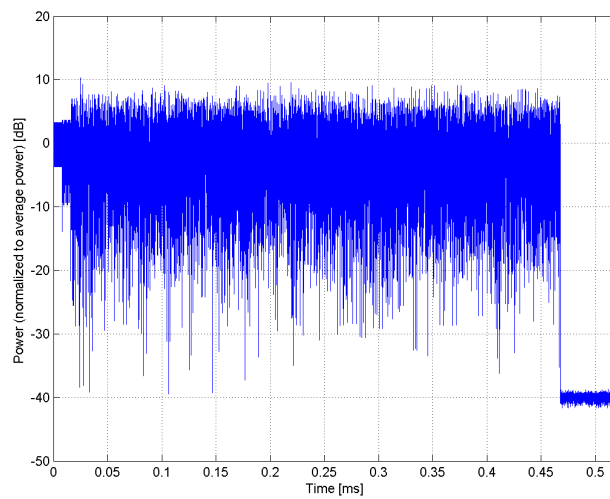
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)**

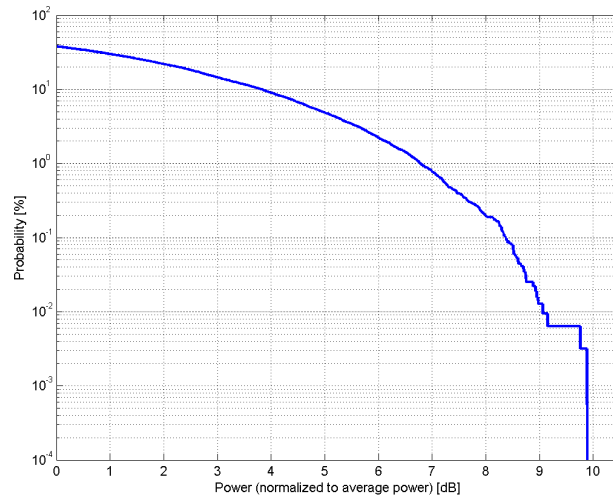
Group: WLAN
UID: 10579-AAA

PAR: ¹ **8.36 dB**
MIF: ² **-9.30 dB**

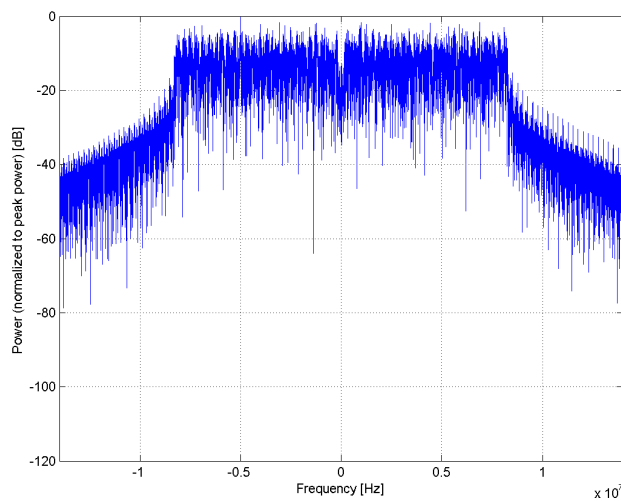
Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category: Random amplitude modulation
Modulation: 16-QAM
Frequency Band: WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification: Duty cycle: 90 %
PSDU length: 1000 bytes
Frame format: DSSS-OFDM
Data Rate: 24Mbps
Preamble type: long
Bandwidth: 20.0 MHz
Integration Time: 0.4 ms

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

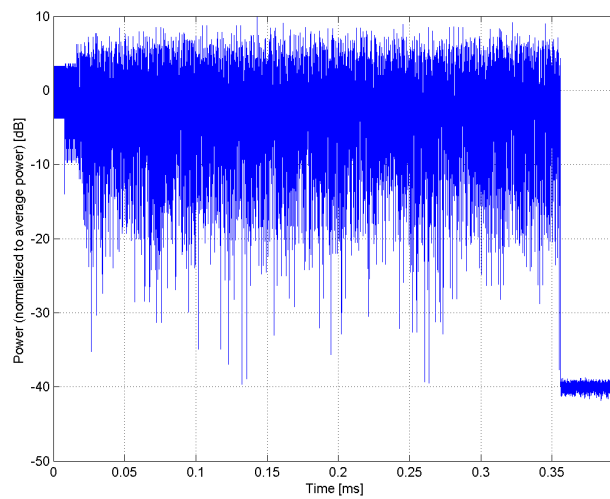
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)**

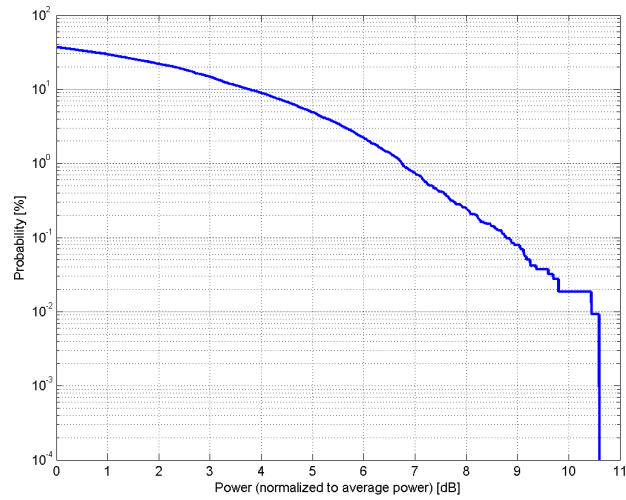
Group: WLAN
UID: 10580-AAA

PAR: ¹ **8.76 dB**
MIF: ² **-11.10 dB**

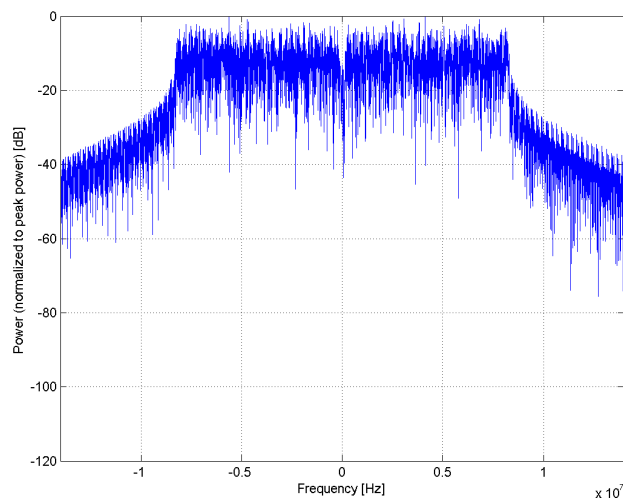
Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category: Random amplitude modulation
Modulation: 16-QAM
Frequency Band: WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification: Duty cycle: 90 %
PSDU length: 1000 bytes
Frame format: DSSS-OFDM
Data Rate: 36Mbps
Preamble type: long
Bandwidth: 20.0 MHz
Integration Time: 0.3 ms

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

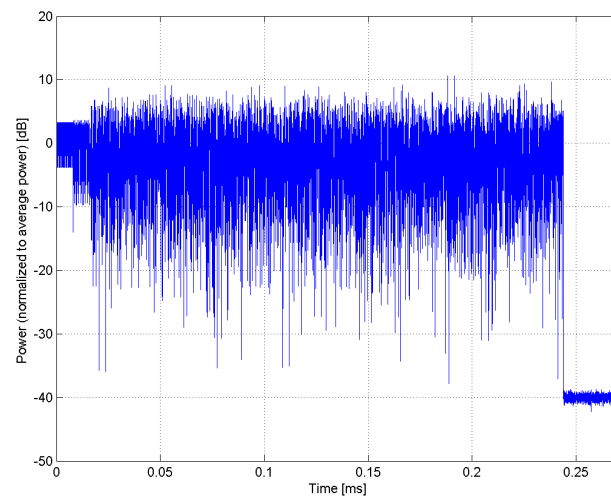
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)**

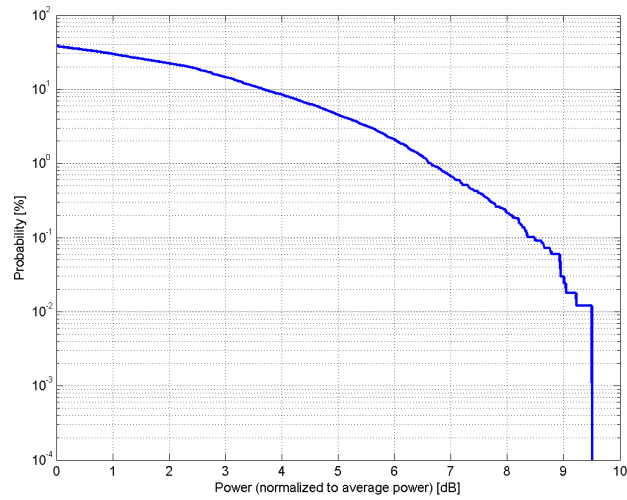
Group: WLAN
UID: 10581-AAA

PAR: ¹ **8.35 dB**
MIF: ² **-12.77 dB**

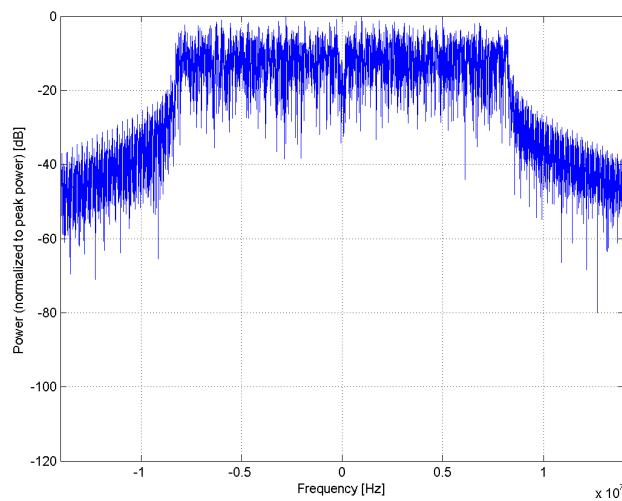
Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category: Random amplitude modulation
Modulation: 64-QAM
Frequency Band: WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification: Duty cycle: 90 %
PSDU length: 1000 bytes
Frame format: DSSS-OFDM
Data Rate: 48Mbps
Preamble type: long
Bandwidth: 20.0 MHz
Integration Time: 0.2 ms

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

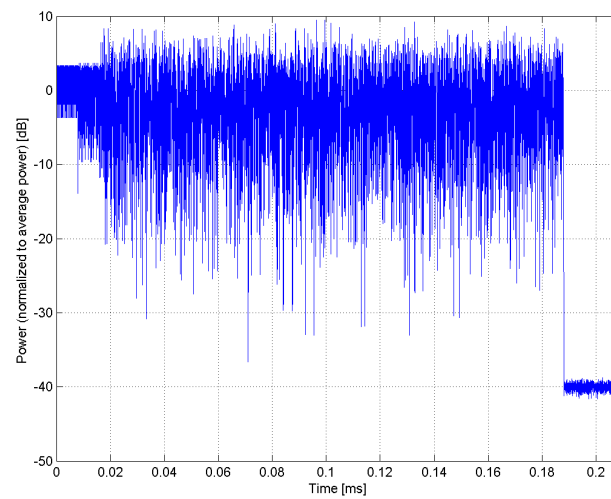
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)**

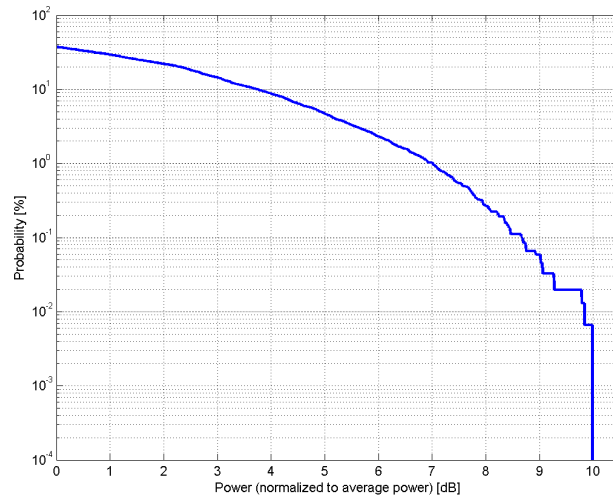
Group: WLAN
UID: 10582-AAA

PAR: ¹ **8.67 dB**
MIF: ² **-13.22 dB**

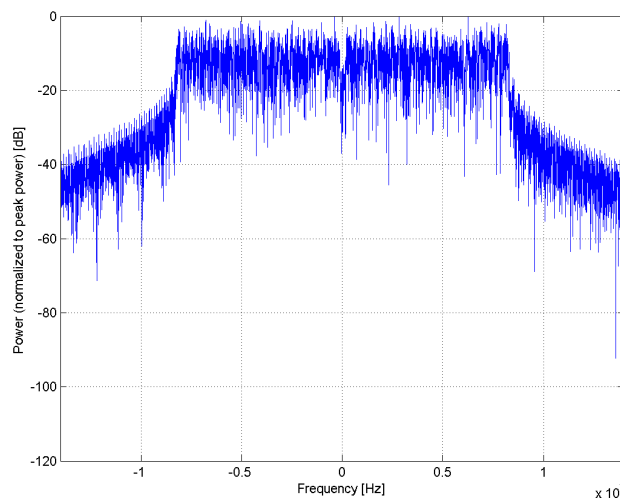
Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category: Random amplitude modulation
Modulation: 64-QAM
Frequency Band: WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification: Duty cycle: 90 %
PSDU length: 1000 bytes
Frame format: DSSS-OFDM
Data Rate: 54Mbps
Preamble type: long
Bandwidth: 20.0 MHz
Integration Time: 0.2 ms

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

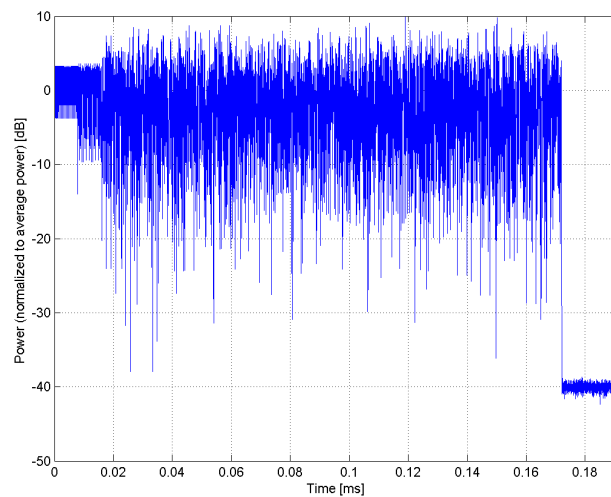
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)**

Group: WLAN
UID: 10583-AAC

PAR: ¹ **8.59 dB**
MIF: ² **-6.10 dB**

Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: BPSK

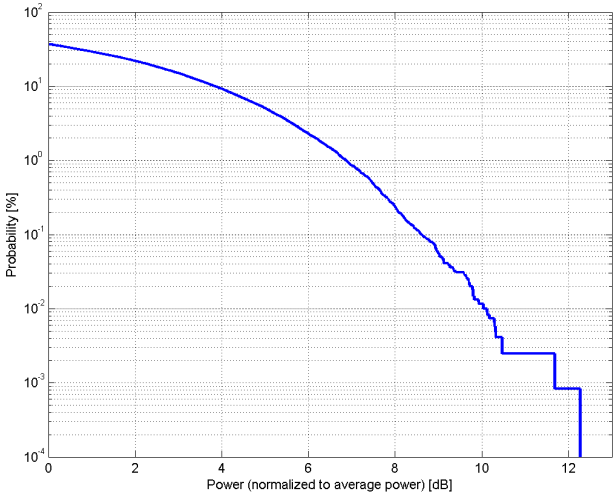
Frequency Band: WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Duty cycle: 90%
PSDU length: 1000 bytes
Data Rate: 6Mbps

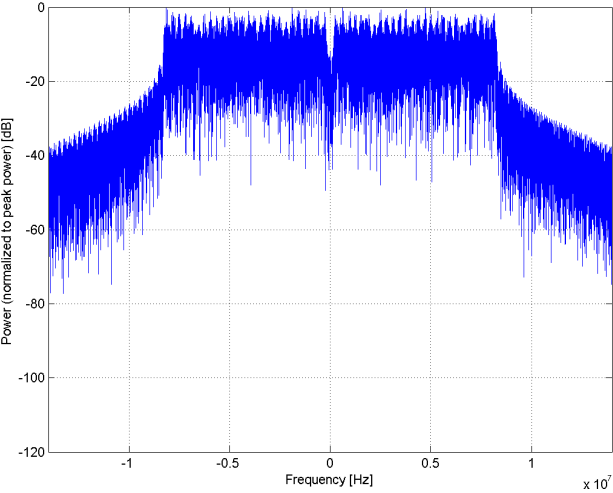
Bandwidth: 20.0 MHz
Integration Time: 1.5 ms

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

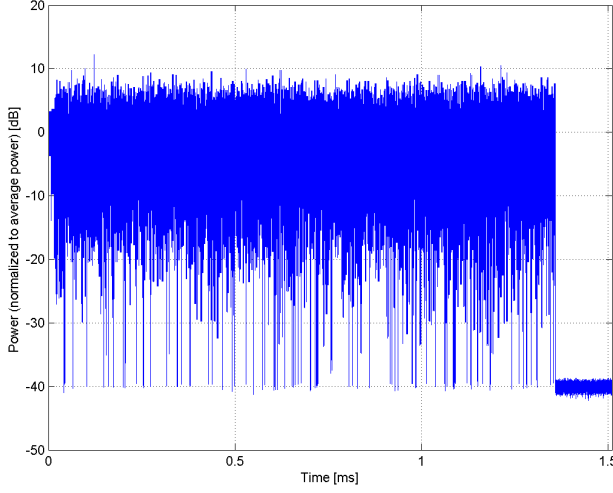
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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

Name: **IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)**

Group: WLAN
UID: 10584-AAC

PAR: ¹ **8.60 dB**
MIF: ² **-6.64 dB**

Standard Reference: IEEE 802.11-2012
FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01

Category: Random amplitude modulation

Modulation: BPSK

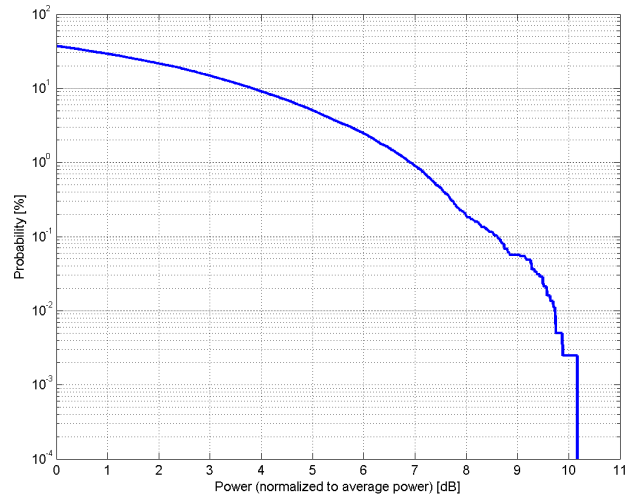
Frequency Band: WLAN 5GHz (4915.0 - 5825.0 MHz)
U-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-2C Standalone (5490 - 5710 MHz)
U-NII-2C <5.65 GHz (5490 - 5650 MHz)
U-NII-3 Standalone (5735 - 5835 MHz)
U-NII-2C, U-NII-3 (5650 - 5835 MHz)
U-NII-4 (5.825 - 5.925 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification: Duty cycle: 90%
PSDU length: 1000 bytes
Data Rate: 9Mbps

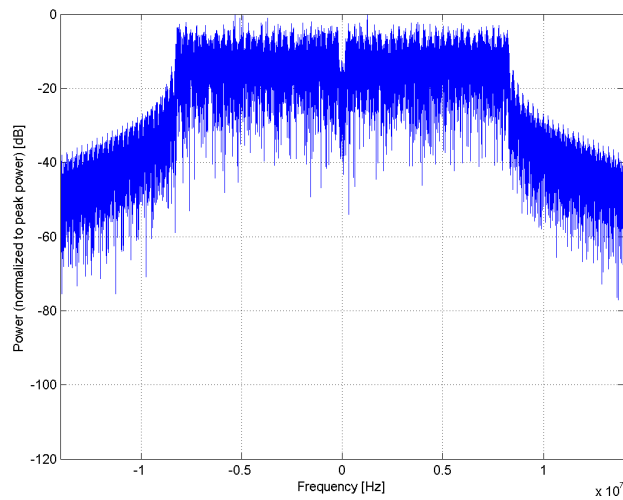
Bandwidth: 20.0 MHz
Integration Time: 1.0 ms

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

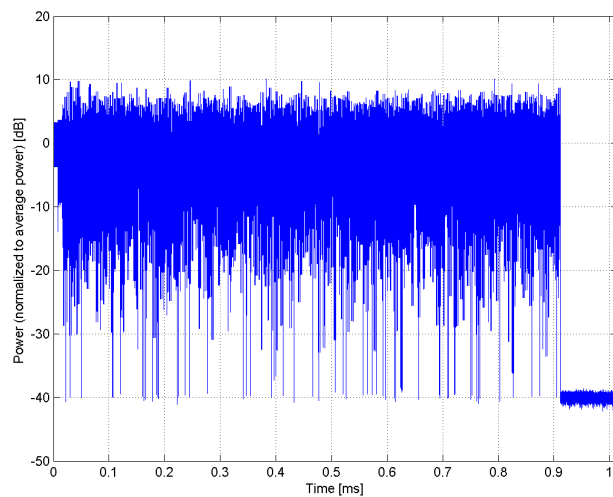
² Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain