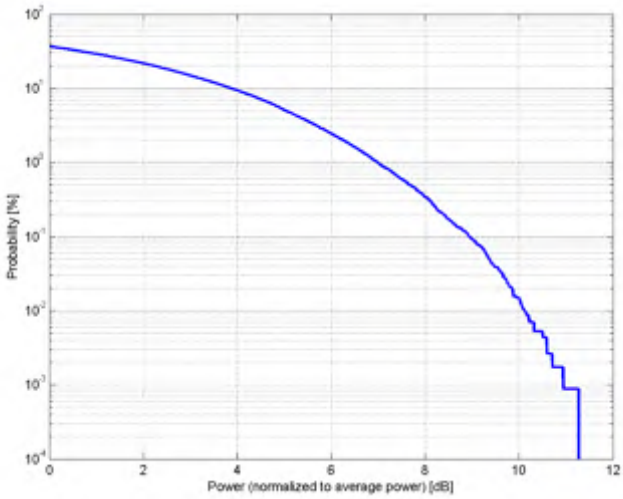
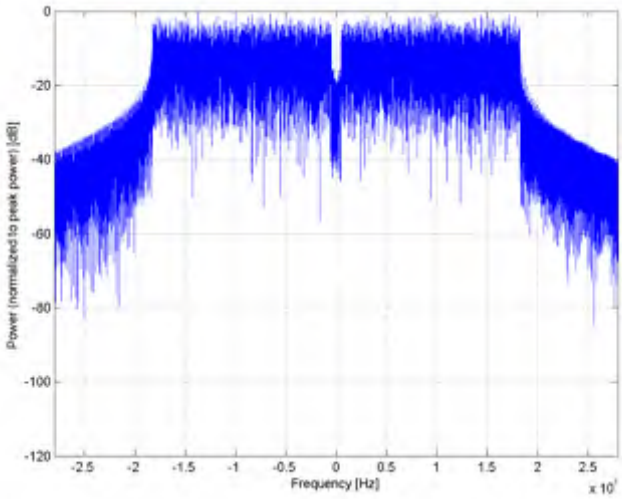
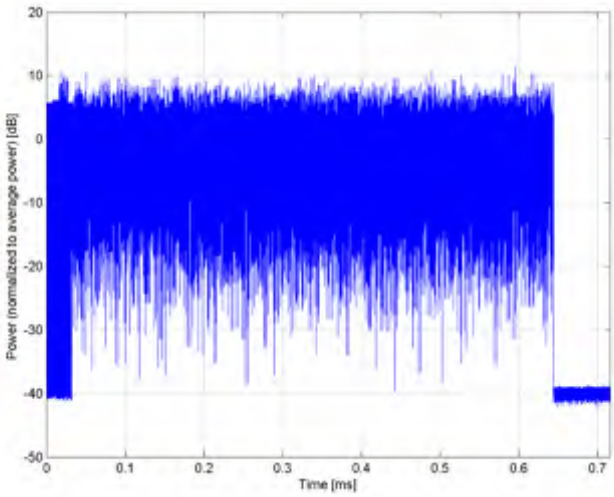


Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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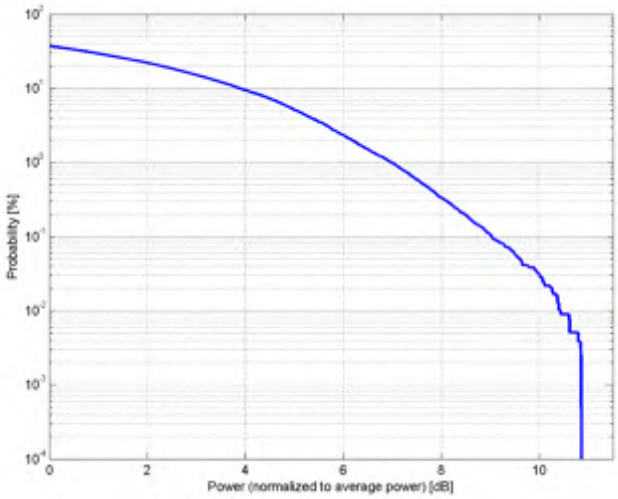
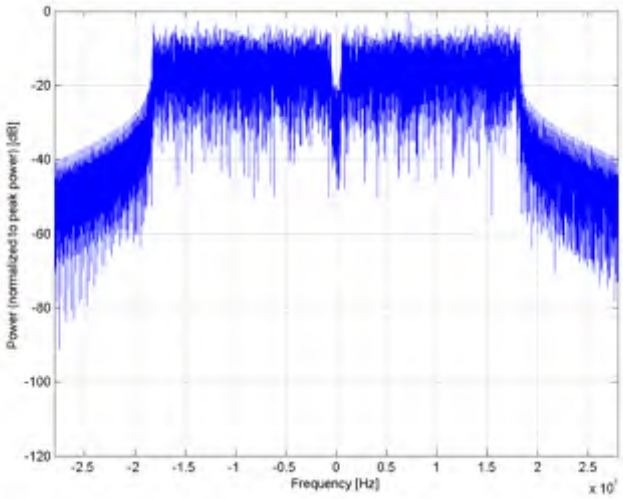
Name:	**IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)**
Group:	WLAN
UID:	10603-AAB
PAR: [1]	**9.03 dB**
MIF: [2]	**-8.03 dB**
Standard Reference:	IEEE 802.11-2012 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 2484.0 MHz) 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Duty cycle: 90% MPDU length: 4096 bytes MCS: 4 Guard interval: long
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)'"

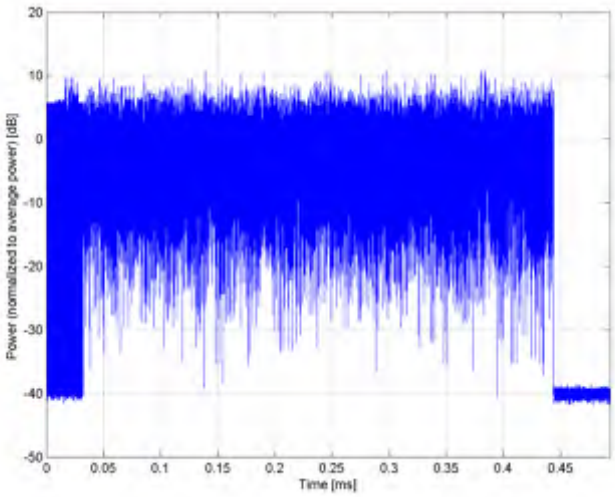
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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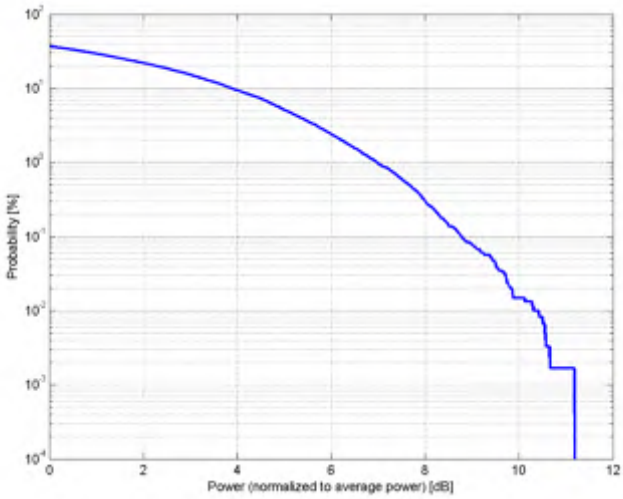
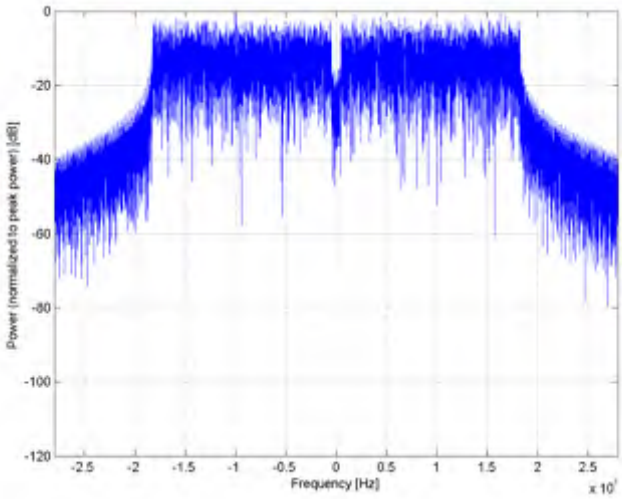
Name:	**IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)**
Group:	WLAN
UID:	10604-AAB
PAR: [1]	**8.76 dB**
MIF: [2]	**-8.65 dB**
Standard Reference:	IEEE 802.11-2012 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 2484.0 MHz) 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Duty cycle: 90% MPDU length: 4096 bytes MCS: 5 Guard interval: long
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)'"

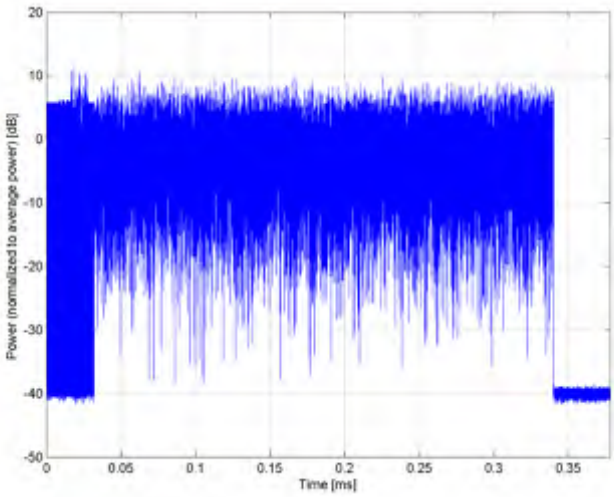
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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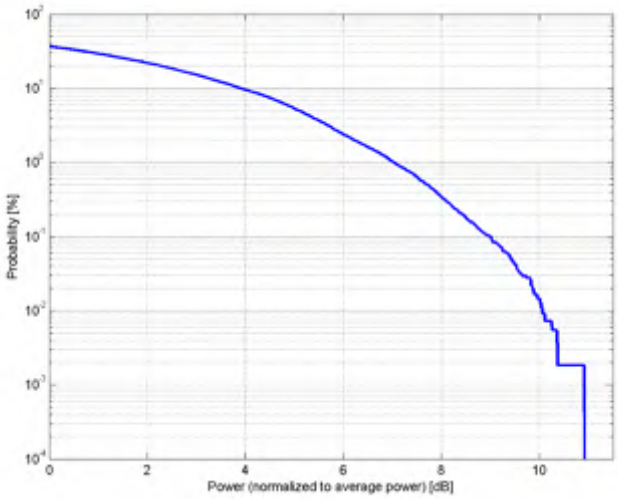
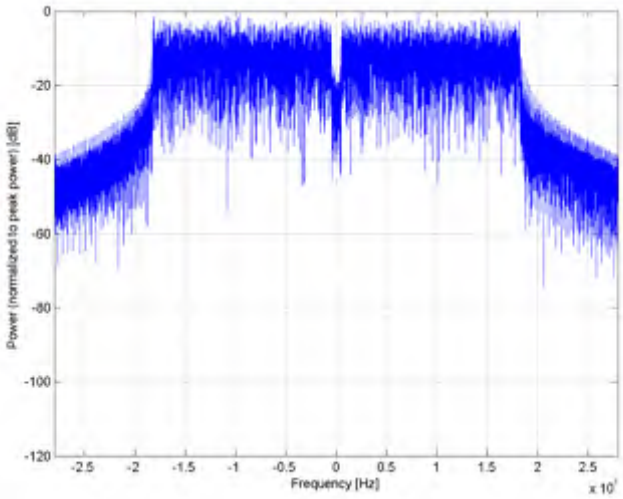
Name:	**IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)**
Group:	WLAN
UID:	10605-AAB
PAR: [1]	**8.97 dB**
MIF: [2]	**-9.23 dB**
Standard Reference:	IEEE 802.11-2012 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 2484.0 MHz) 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Duty cycle: 90% MPDU length: 4096 bytes MCS: 6 Guard interval: long
Bandwidth:	40.0 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)"'

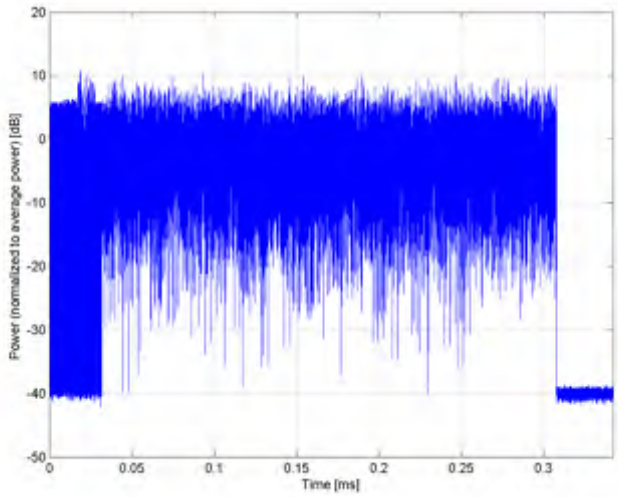
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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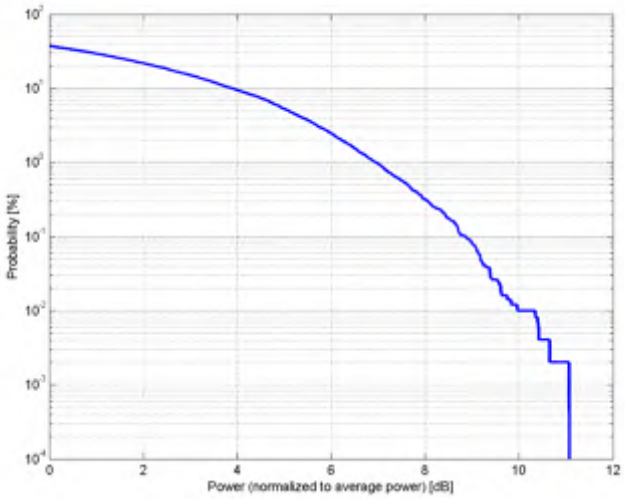
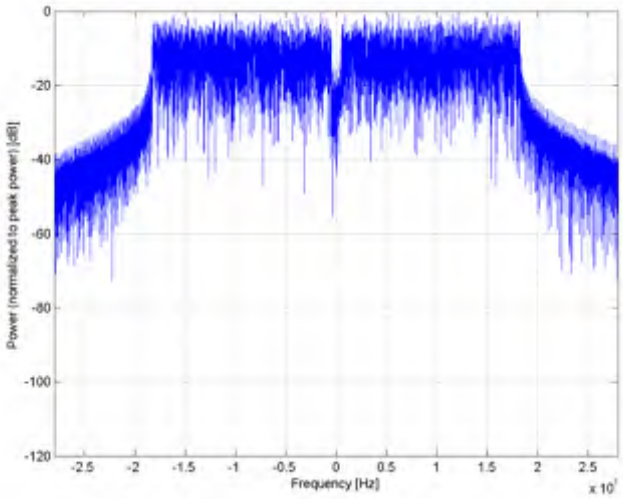
Name:	**IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)**
Group:	WLAN
UID:	10606-AAB
PAR: [1]	**8.82 dB**
MIF: [2]	**-9.43 dB**
Standard Reference:	IEEE 802.11-2012 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 2484.0 MHz) 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Duty cycle: 90% MPDU length: 4096 bytes MCS: 7 Guard interval: long
Bandwidth:	40.0 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)'"

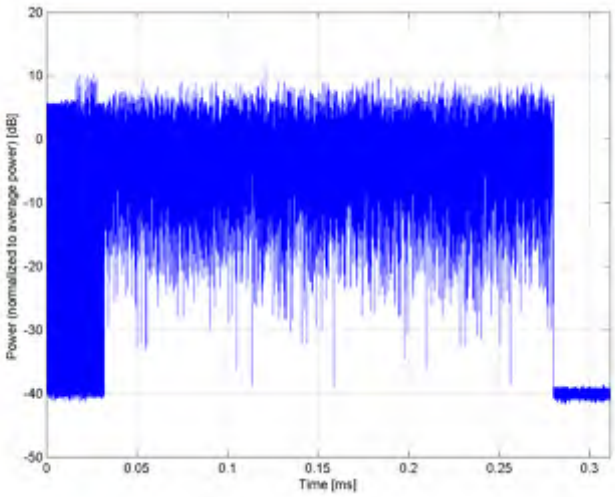
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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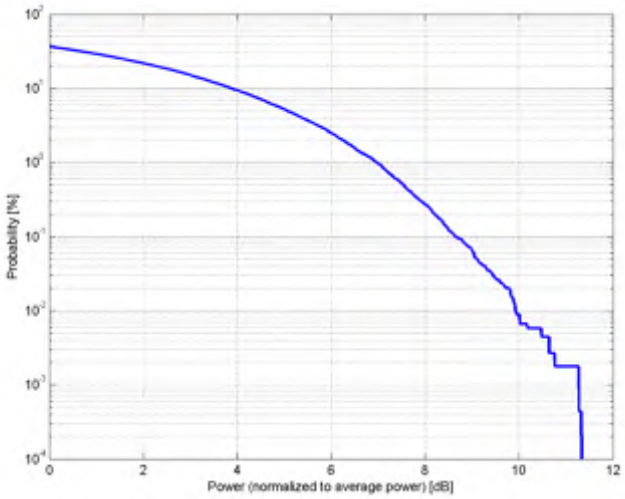
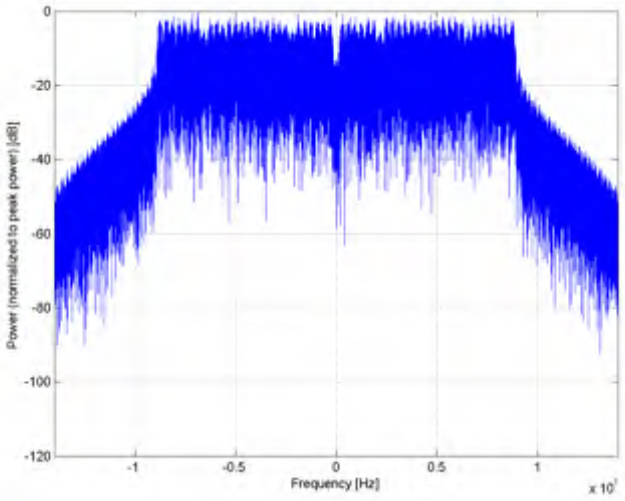
Name:	**IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)**
Group:	WLAN
UID:	10607-AAB
PAR: [1]	**8.64 dB**
MIF: [2]	**-5.60 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	BPSK
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 20MHz Duty cycle: 90% MCS: 0 Number of spatial streams: 1 MPDU length: 4096
Bandwidth:	20.0 MHz
Integration Time:	5.7 ms

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

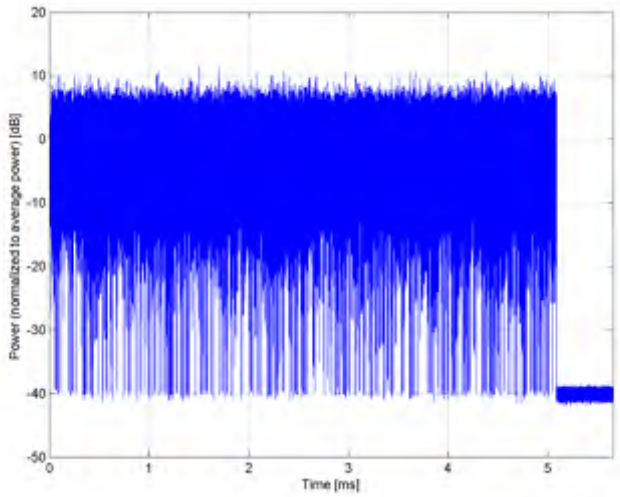
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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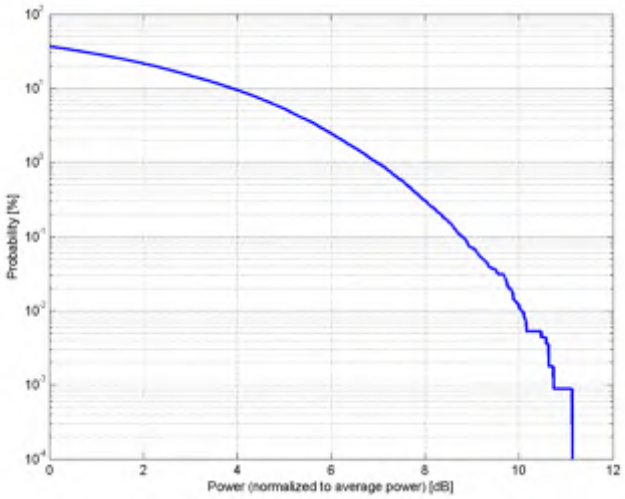
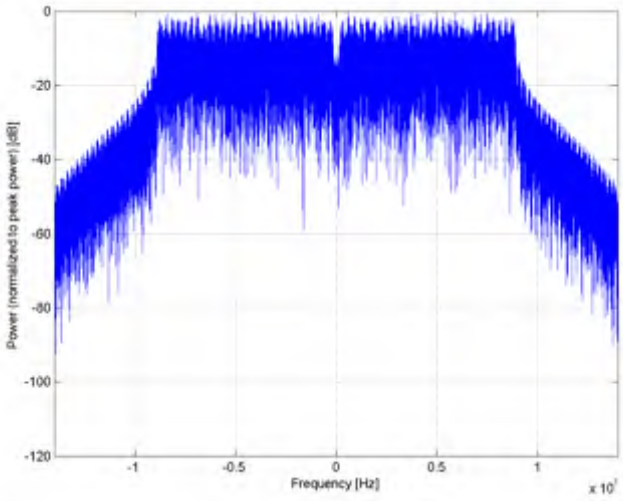
Name:	**IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)**
Group:	WLAN
UID:	10608-AAB
PAR: [1]	**8.77 dB**
MIF: [2]	**-5.62 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 20MHz Duty cycle: 90% MCS: 1 Number of spatial streams: 1 MPDU length: 4096
Bandwidth:	20.0 MHz
Integration Time:	2.8 ms

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

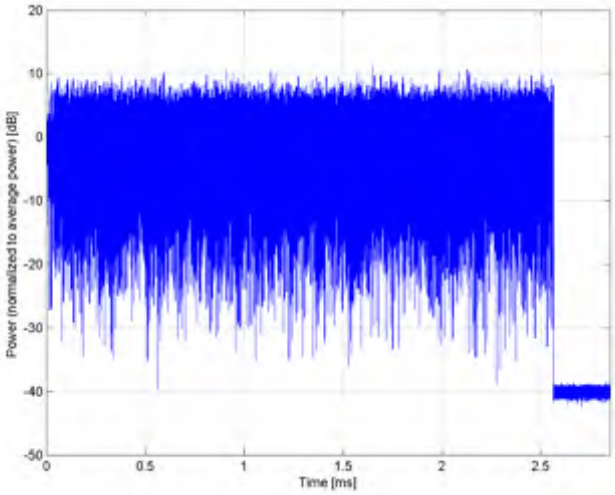
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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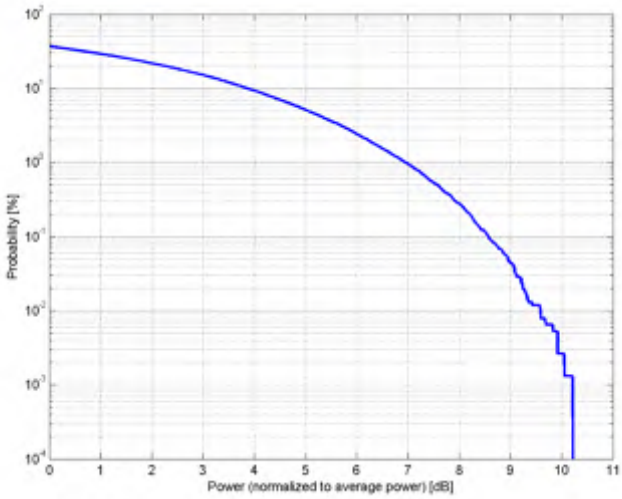
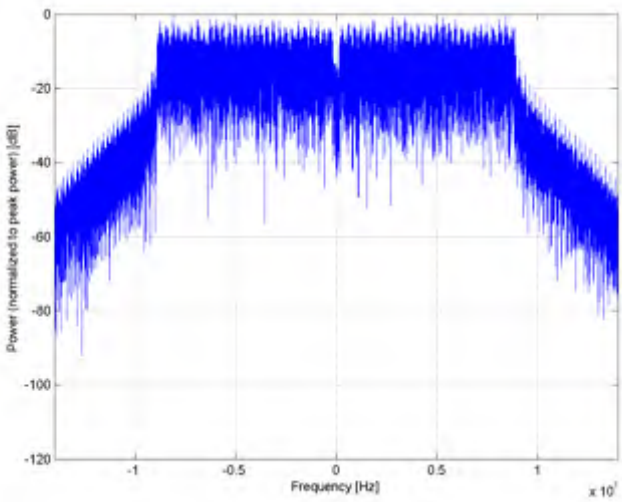
Name:	**IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)**
Group:	WLAN
UID:	10609-AAB
PAR: [1]	**8.57 dB**
MIF: [2]	**-5.85 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 20MHz Duty cycle: 90% MCS: 2 Number of spatial streams: 1 MPDU length: 4096
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)"'

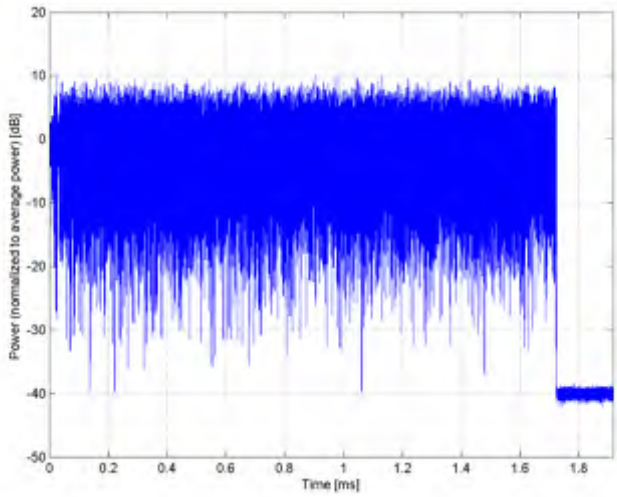
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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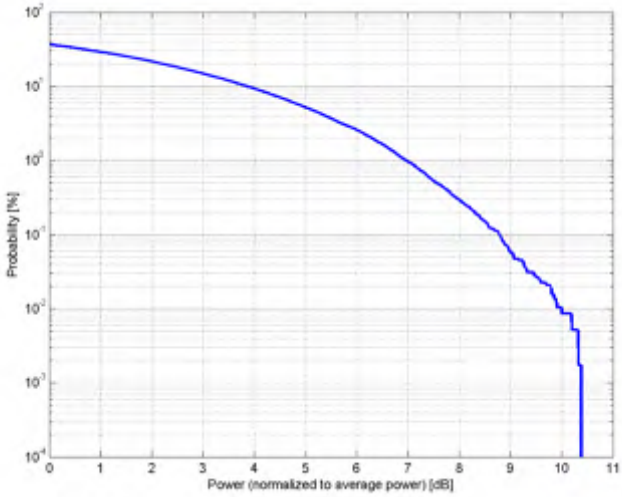
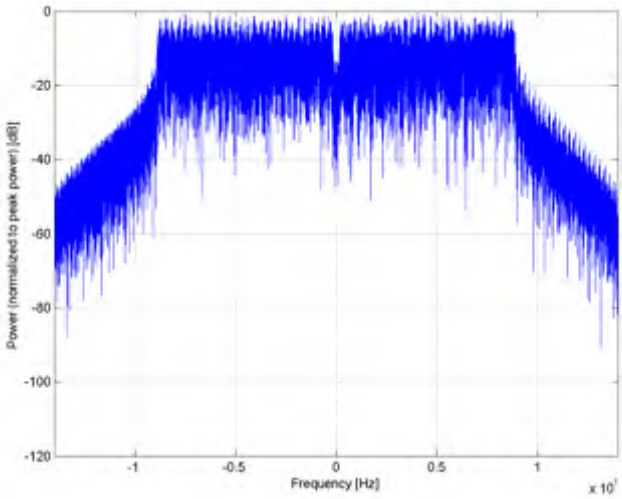
Name:	**IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)**
Group:	WLAN
UID:	10610-AAB
PAR: [1]	**8.78 dB**
MIF: [2]	**-6.15 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 20MHz Duty cycle: 90% MCS: 3 Number of spatial streams: 1 MPDU length: 4096
Bandwidth:	20.0 MHz
Integration Time:	1.4 ms

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

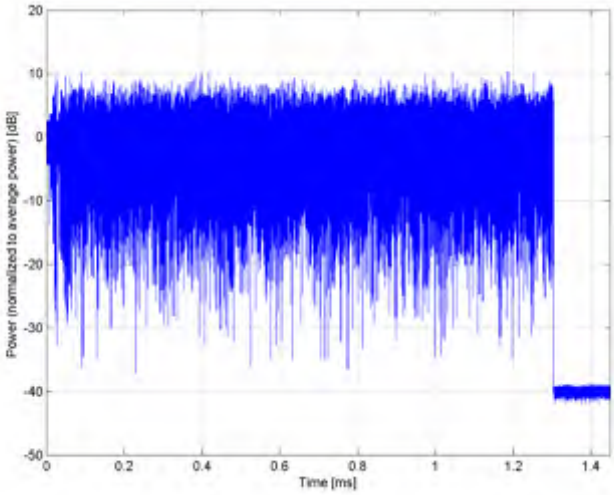
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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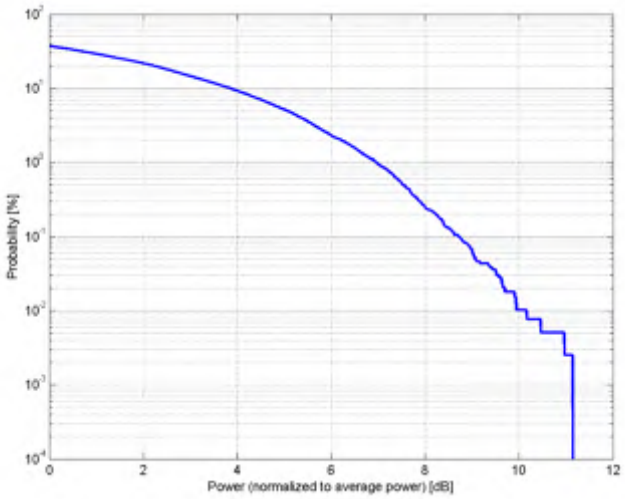
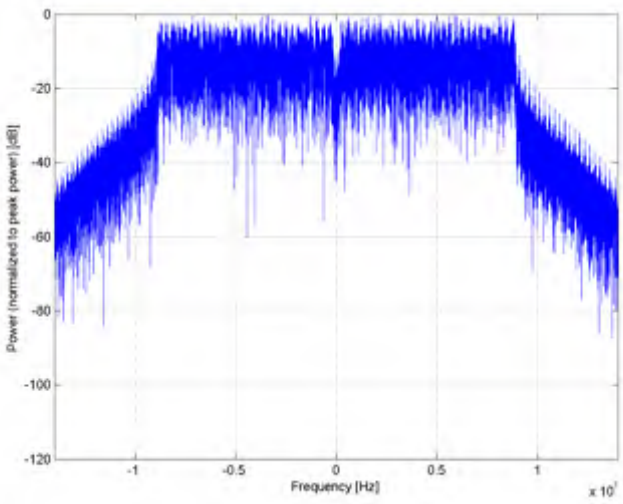
Name:	**IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)**
Group:	WLAN
UID:	10611-AAB
PAR: [1]	**8.70 dB**
MIF: [2]	**-6.70 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 20MHz Duty cycle: 90% MCS: 4 Number of spatial streams: 1 MPDU length: 4096
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)"'

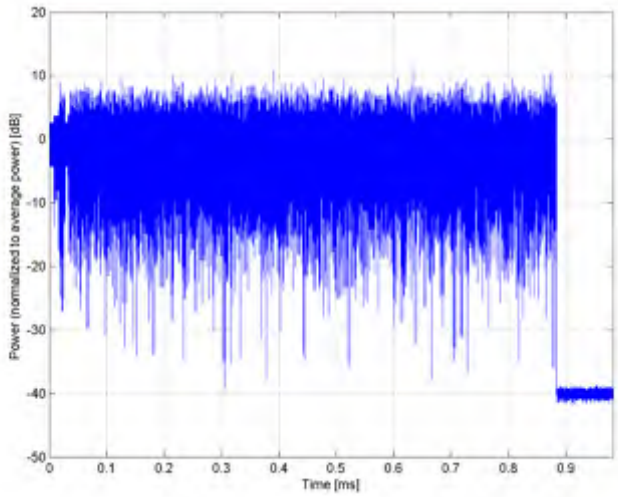
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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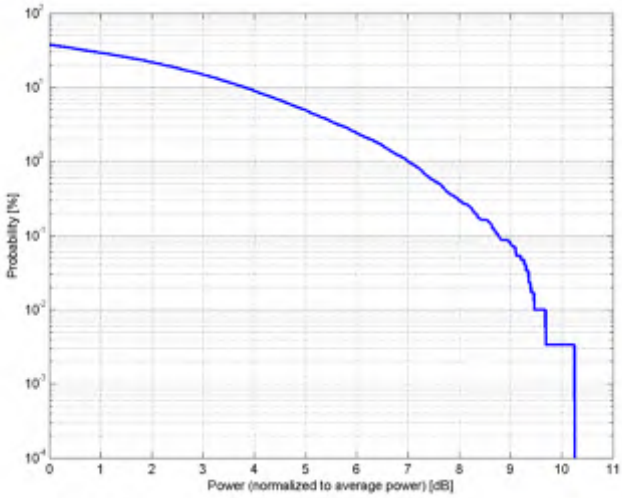
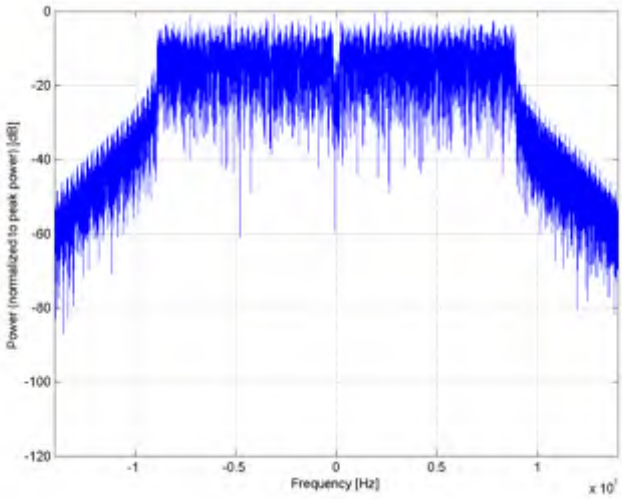
Name:	**IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)**
Group:	WLAN
UID:	10612-AAB
PAR: [1]	**8.77 dB**
MIF: [2]	**-7.25 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 20MHz Duty cycle: 90% MCS: 5 Number of spatial streams: 1 MPDU length: 4096
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)"'

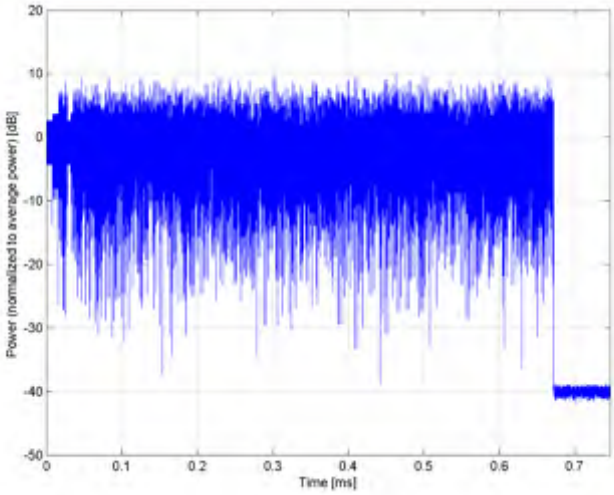
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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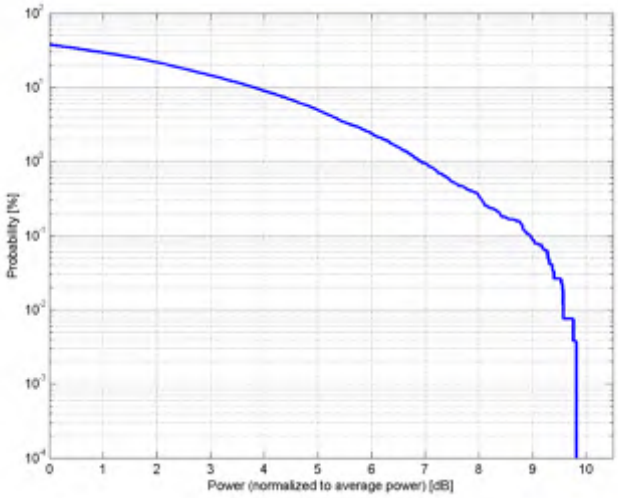
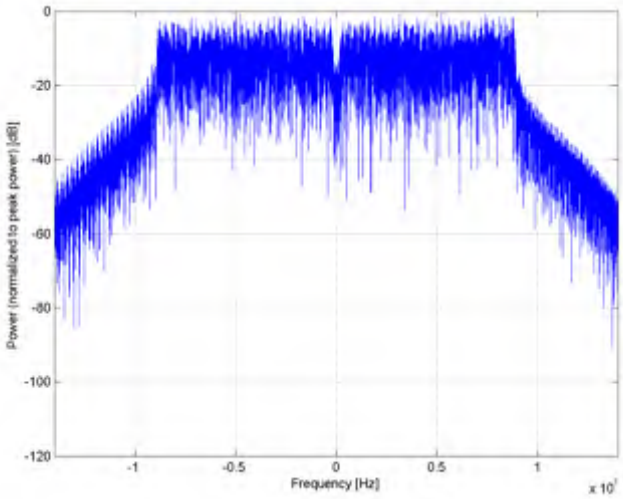
Name:	**IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)**
Group:	WLAN
UID:	10613-AAB
PAR: [1]	**8.94 dB**
MIF: [2]	**-7.58 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 20MHz Duty cycle: 90% MCS: 6 Number of spatial streams: 1 MPDU length: 4096
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)"'

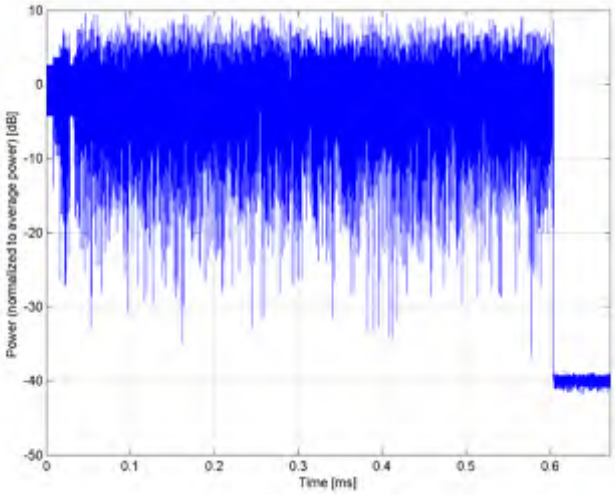
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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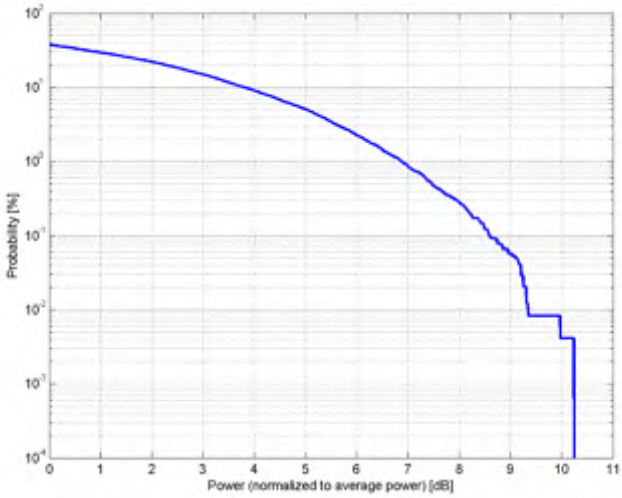
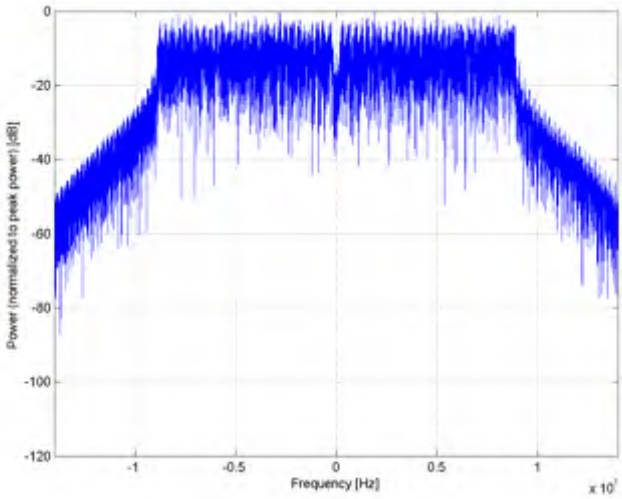
Name:	**IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)**
Group:	WLAN
UID:	10614-AAB
PAR: [1]	**8.59 dB**
MIF: [2]	**-7.91 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 20MHz Duty cycle: 90% 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)'"

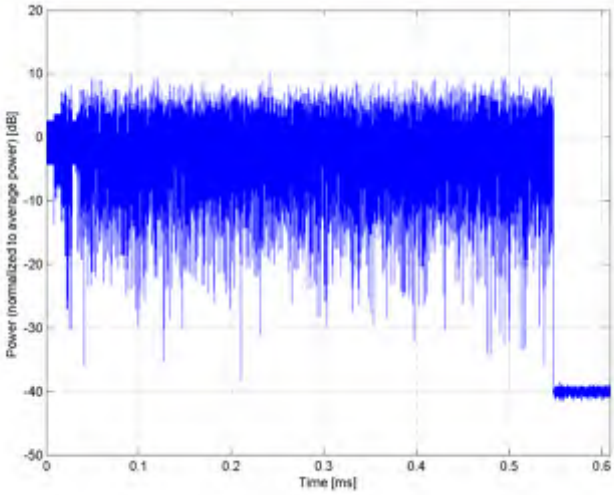
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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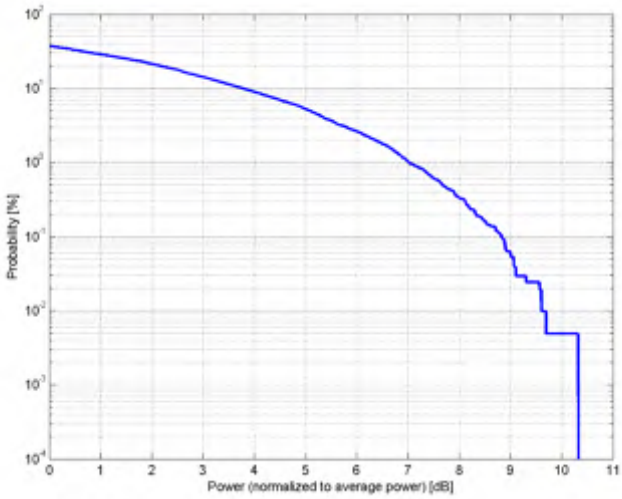
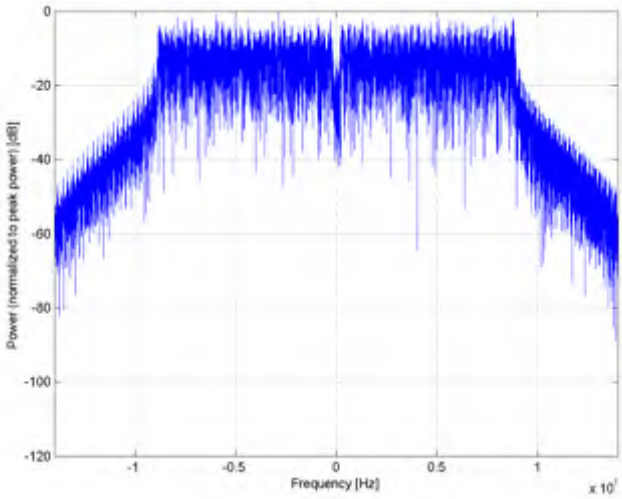
Name:	**IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)**
Group:	WLAN
UID:	10615-AAB
PAR: [1]	**8.82 dB**
MIF: [2]	**-8.41 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	256-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 20MHz Duty cycle: 90% 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)"'

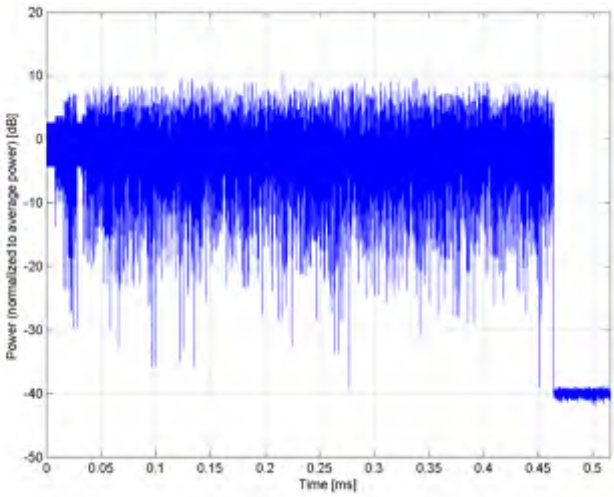
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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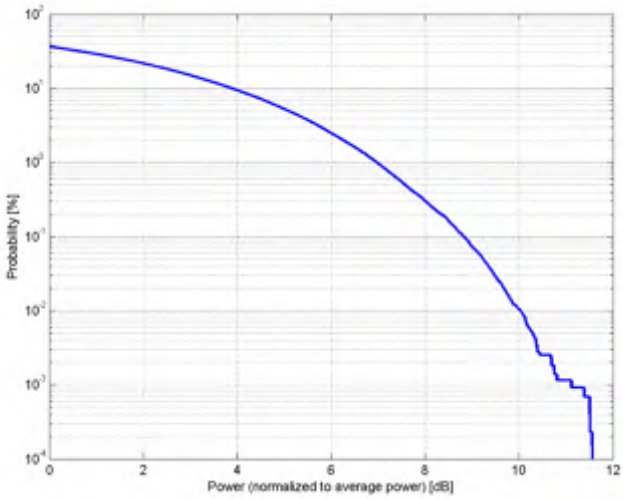
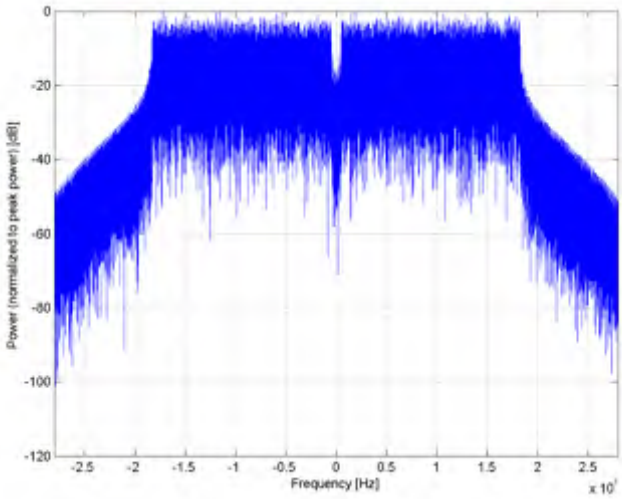
Name:	**IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)**
Group:	WLAN
UID:	10616-AAB
PAR: [1]	**8.82 dB**
MIF: [2]	**-5.57 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	BPSK
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 40MHz Duty cycle: 90% MCS: 0 Number of spatial streams: 1 MPDU length: 8192
Bandwidth:	40.0 MHz
Integration Time:	5.4 ms

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

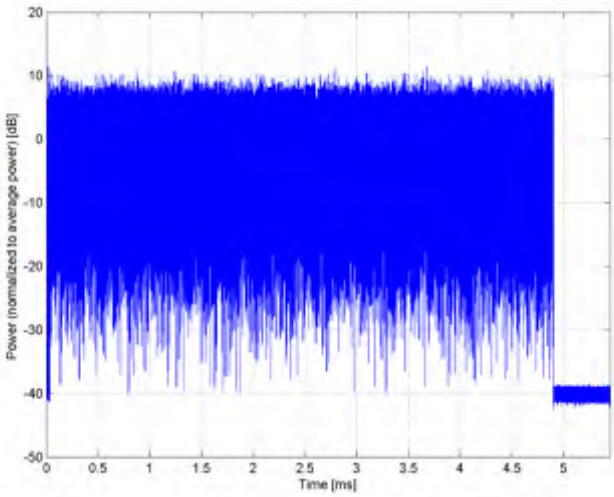
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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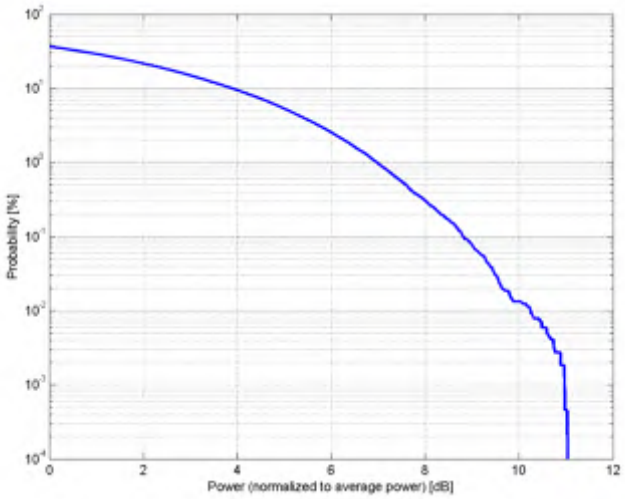
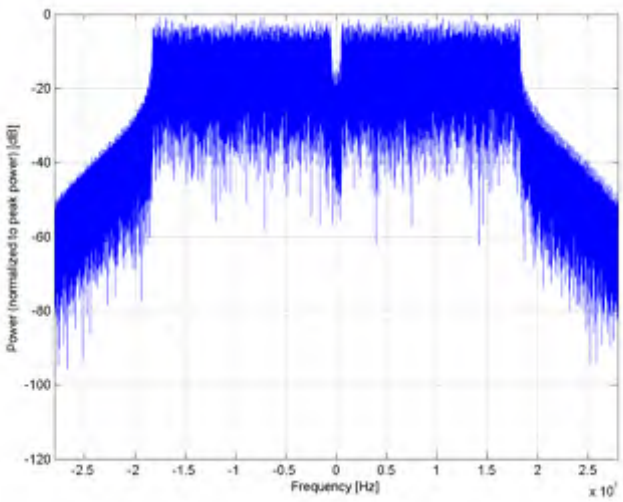
Name:	**IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)**
Group:	WLAN
UID:	10617-AAB
PAR: [1]	**8.81 dB**
MIF: [2]	**-5.59 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 40MHz Duty cycle: 90% MCS: 1 Number of spatial streams: 1 MPDU length: 8192
Bandwidth:	40.0 MHz
Integration Time:	2.7 ms

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

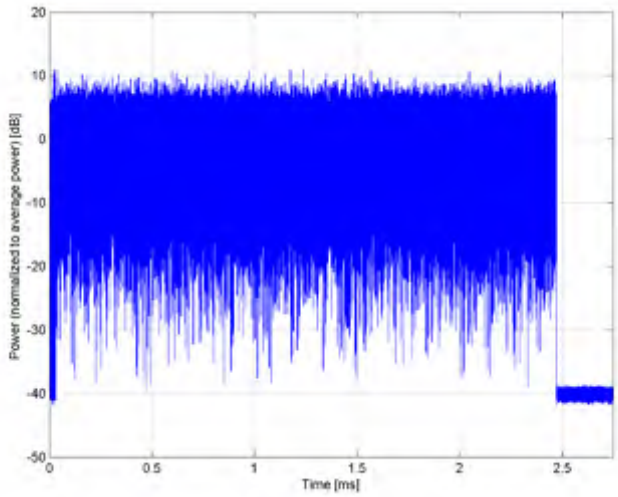
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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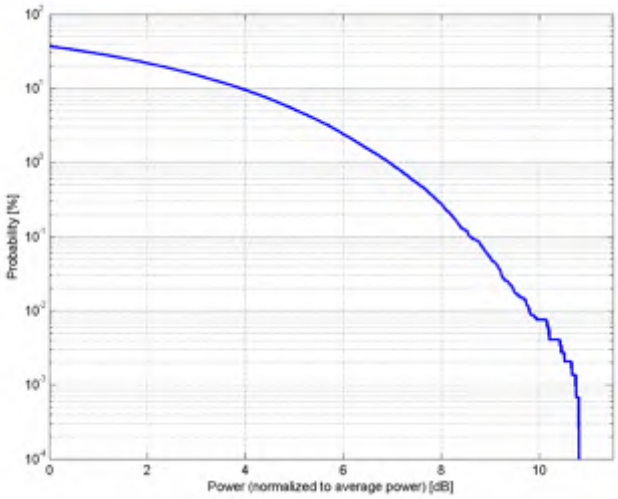
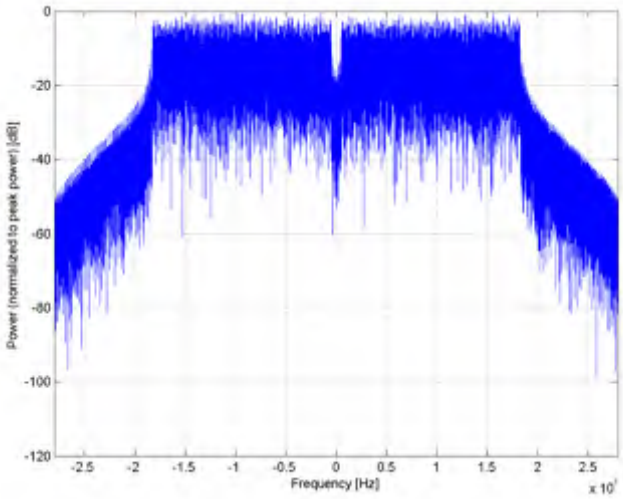
Name:	**IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)**
Group:	WLAN
UID:	10618-AAB
PAR: [1]	**8.58 dB**
MIF: [2]	**-5.78 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 40MHz Duty cycle: 90% MCS: 2 Number of spatial streams: 1 MPDU length: 8192
Bandwidth:	40.0 MHz
Integration Time:	1.8 ms

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

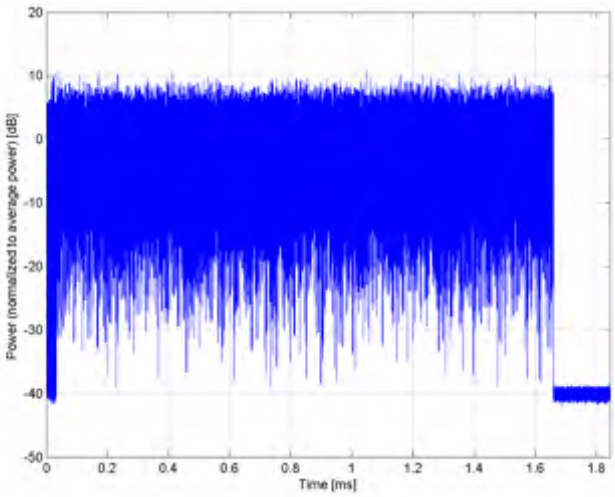
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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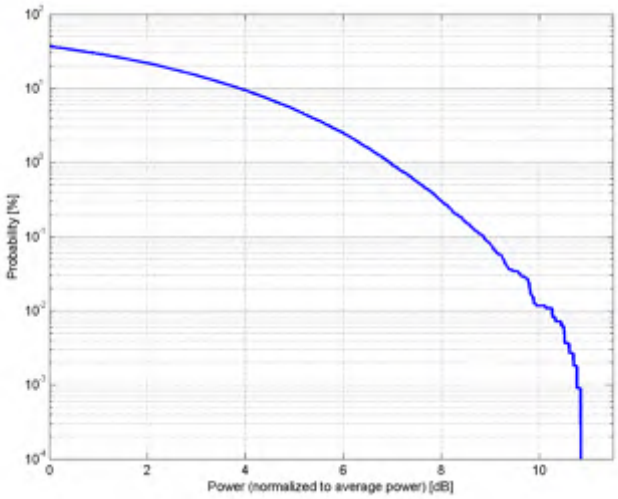
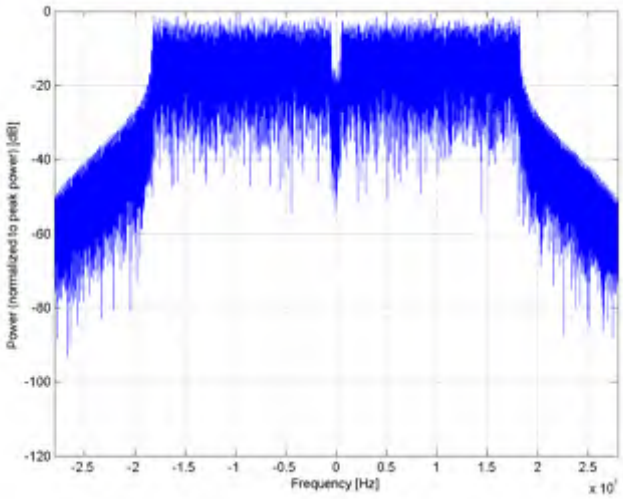
Name:	**IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)**
Group:	WLAN
UID:	10619-AAB
PAR: [1]	**8.86 dB**
MIF: [2]	**-6.02 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 40MHz Duty cycle: 90% MCS: 3 Number of spatial streams: 1 MPDU length: 8192
Bandwidth:	40.0 MHz
Integration Time:	1.4 ms

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

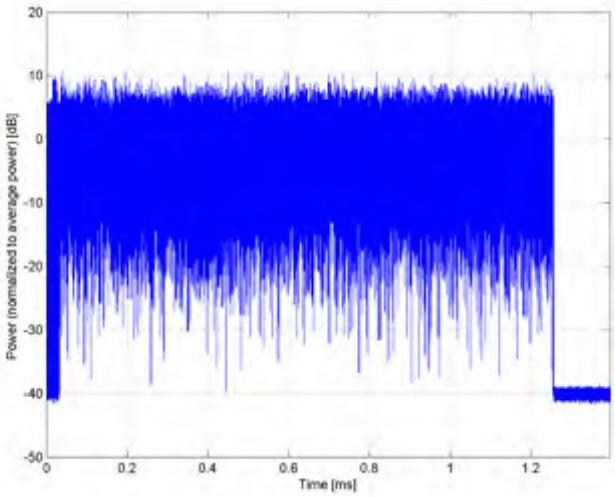
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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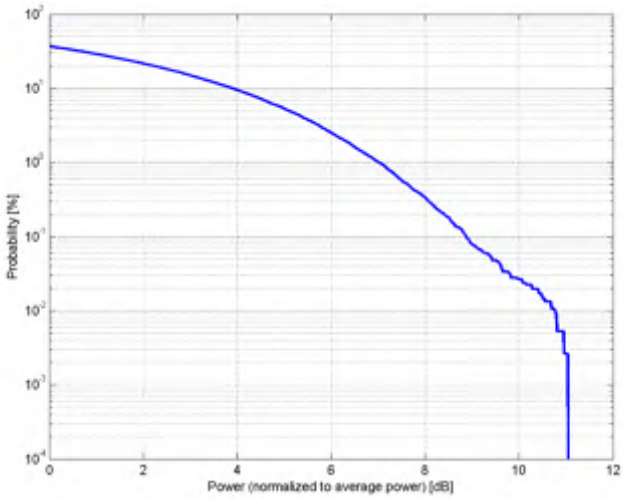
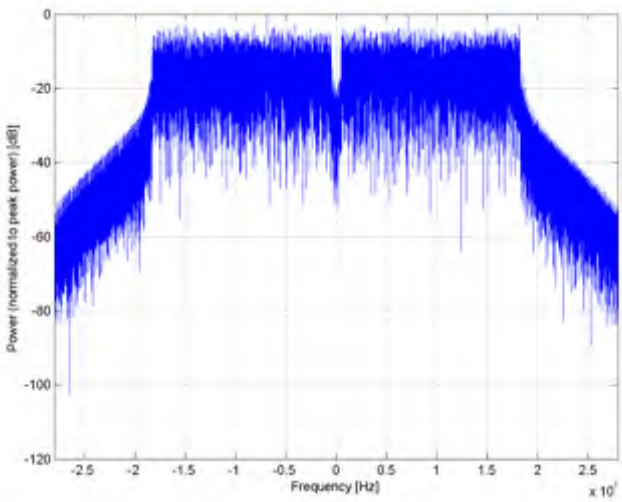
Name:	**IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)**
Group:	WLAN
UID:	10620-AAB
PAR: [1]	**8.87 dB**
MIF: [2]	**-6.57 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 40MHz Duty cycle: 90% 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)"'

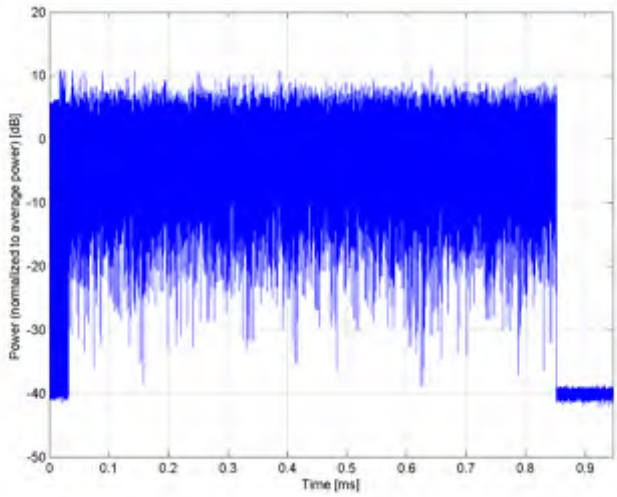
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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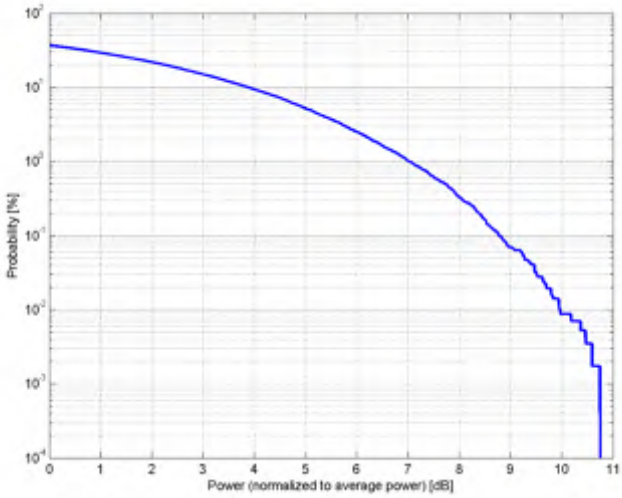
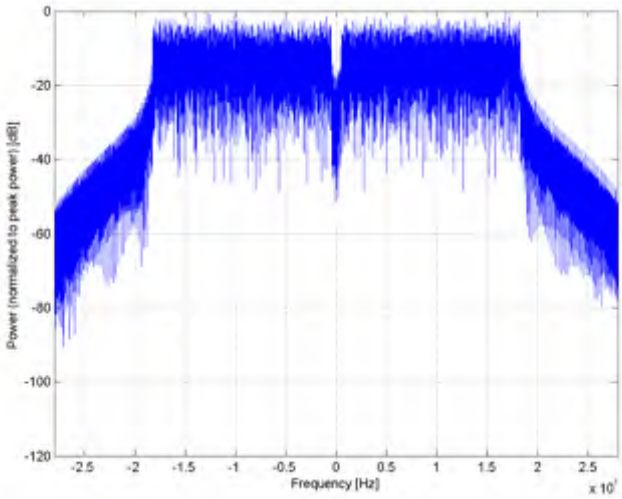
Name:	**IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)**
Group:	WLAN
UID:	10621-AAB
PAR: [1]	**8.77 dB**
MIF: [2]	**-6.92 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 40MHz Duty cycle: 90% MCS: 5 Number of spatial streams: 1 MPDU length: 8192
Bandwidth:	40.0 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)"'

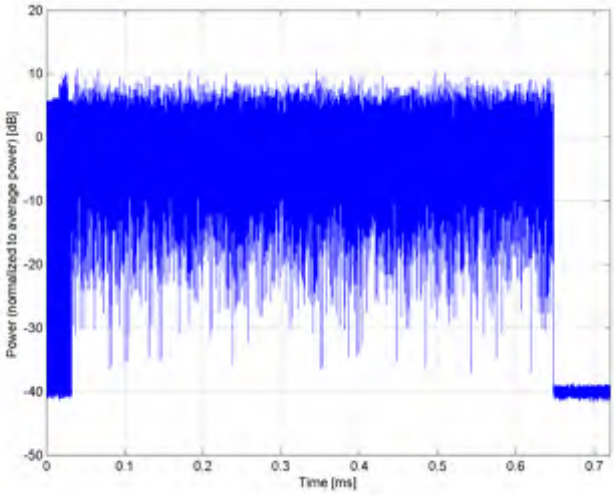
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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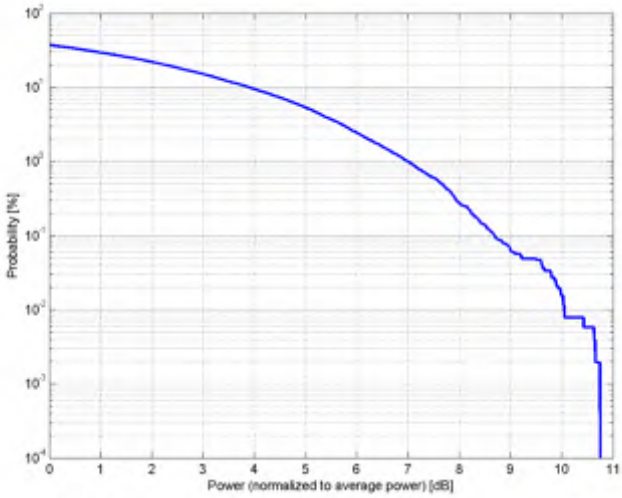
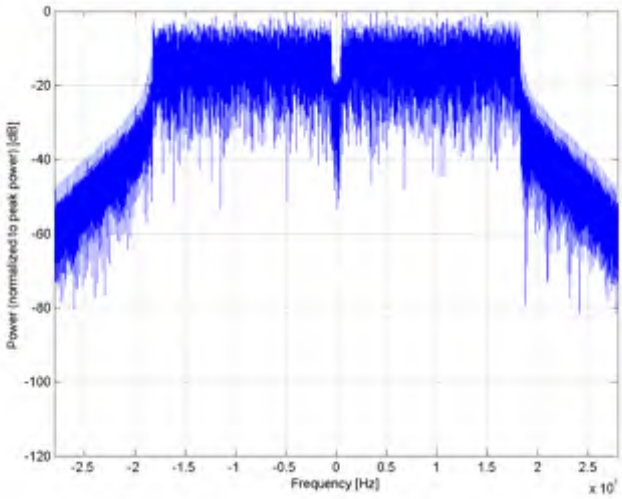
Name:	**IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)**
Group:	WLAN
UID:	10622-AAB
PAR: [1]	**8.68 dB**
MIF: [2]	**-7.33 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 40MHz Duty cycle: 90% 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)"'

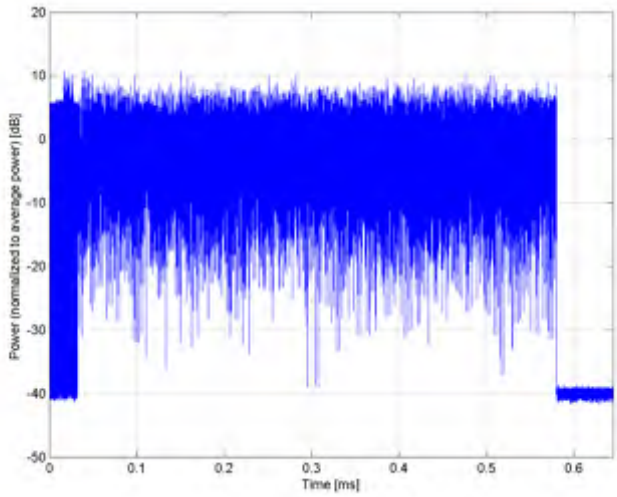
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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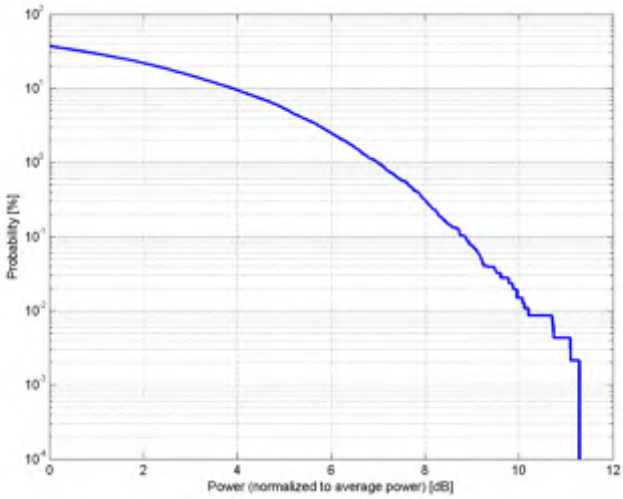
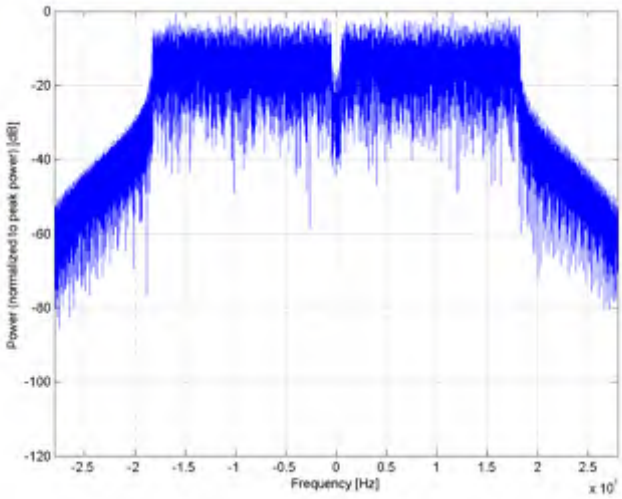
Name:	**IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)**
Group:	WLAN
UID:	10623-AAB
PAR: [1]	**8.82 dB**
MIF: [2]	**-7.44 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 40MHz Duty cycle: 90% MCS: 7 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)'"

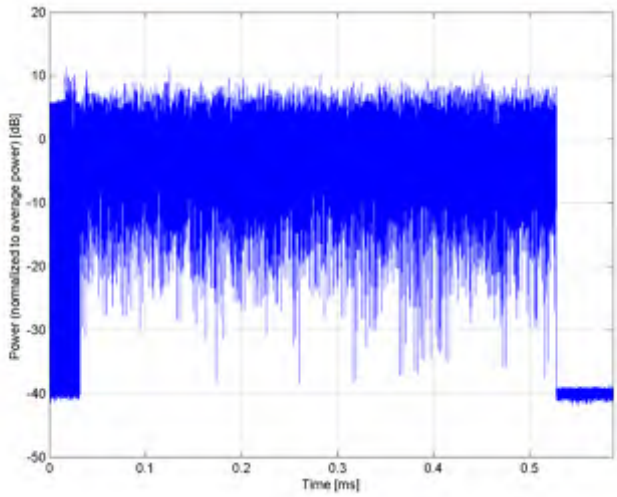
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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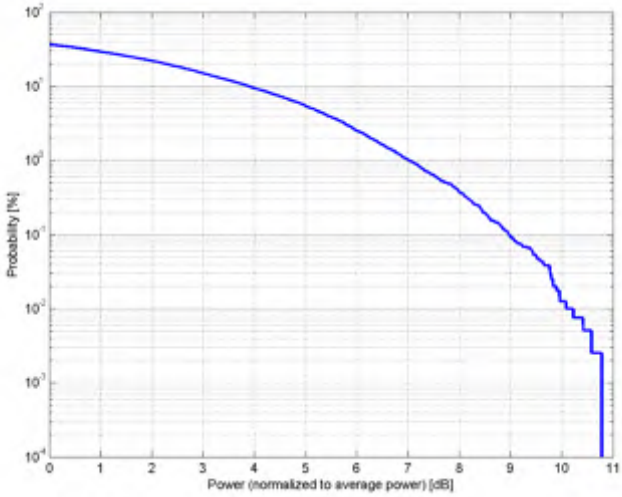
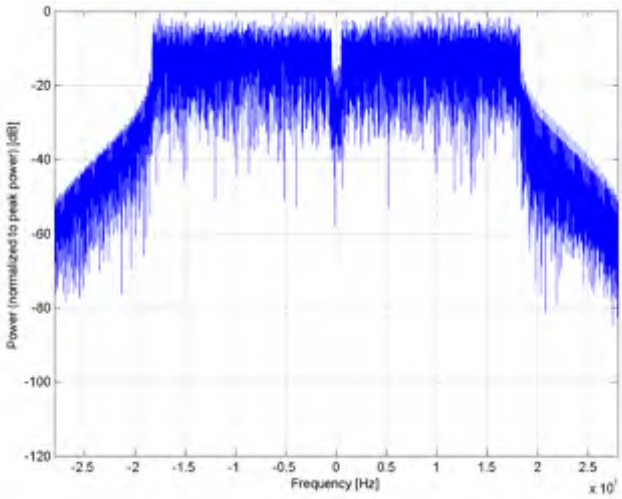
Name:	**IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)**
Group:	WLAN
UID:	10624-AAB
PAR: [1]	**8.96 dB**
MIF: [2]	**-7.73 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	256-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 40MHz Duty cycle: 90% 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)"'

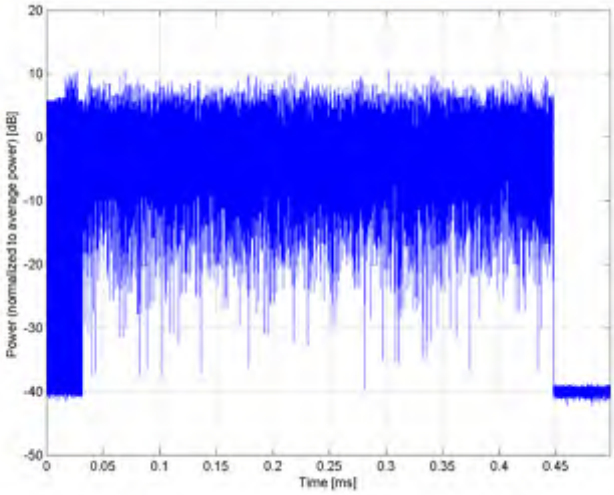
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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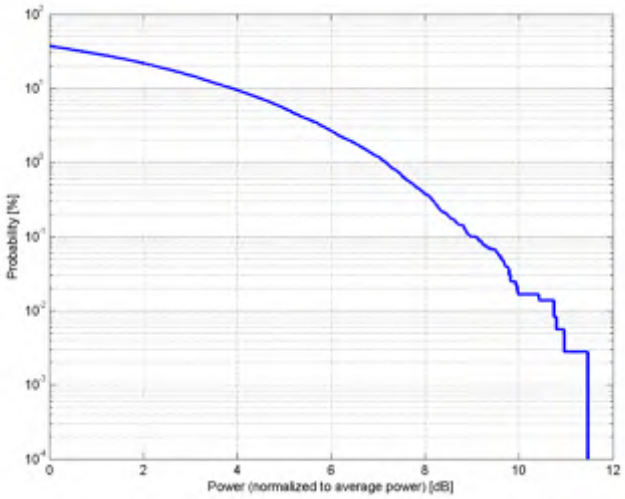
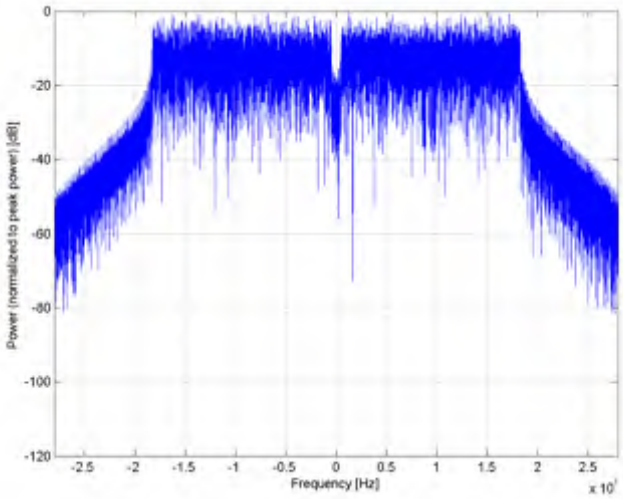
Name:	**IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)**
Group:	WLAN
UID:	10625-AAB
PAR: [1]	**8.96 dB**
MIF: [2]	**-8.15 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	256-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 40MHz Duty cycle: 90% MCS: 9 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)"'

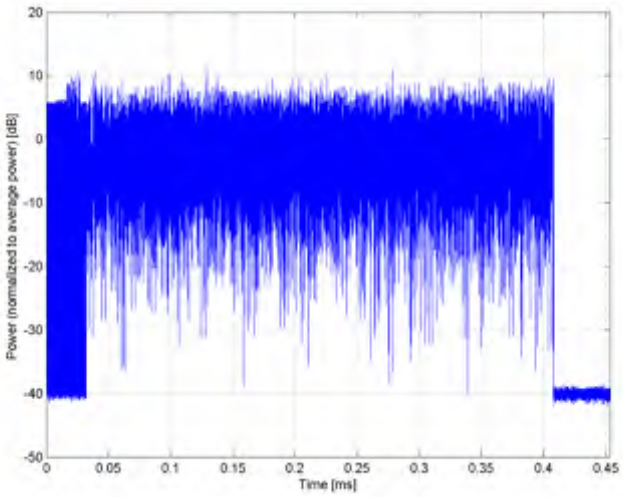
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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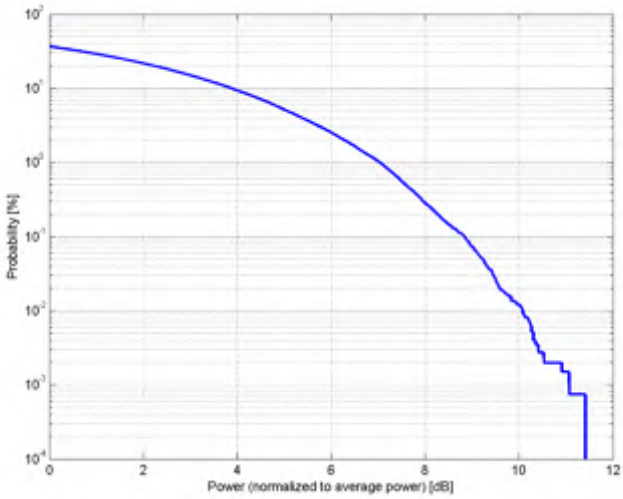
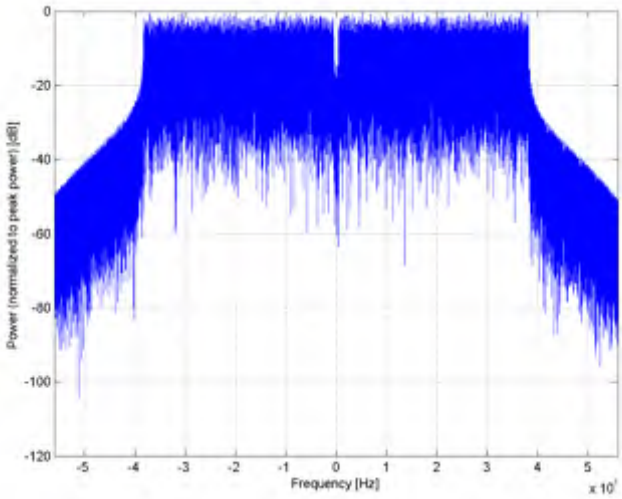
Name:	**IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)**
Group:	WLAN
UID:	10626-AAB
PAR: [1]	**8.83 dB**
MIF: [2]	**-5.64 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	BPSK
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 80MHz Duty cycle: 90% MCS: 0 Number of spatial streams: 1 MPDU length: 8192
Bandwidth:	80.0 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)"'

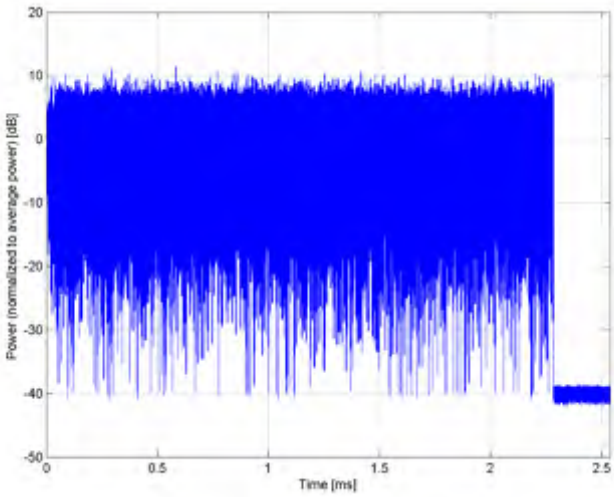
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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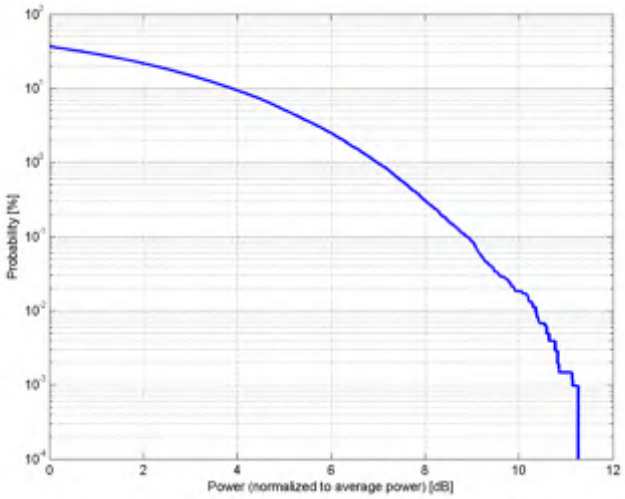
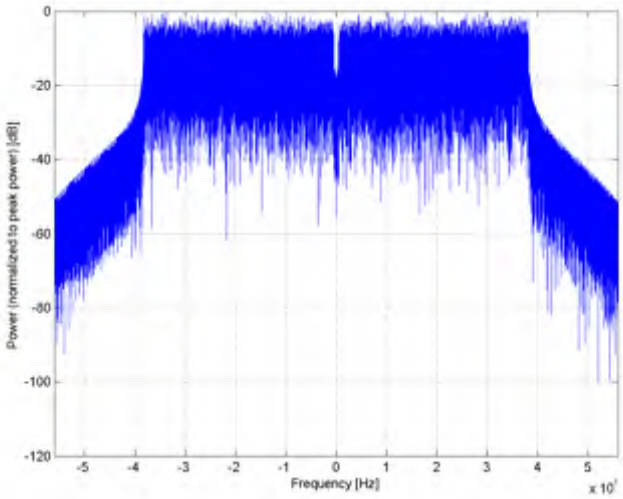
Name:	**IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)**
Group:	WLAN
UID:	10627-AAB
PAR: [1]	**8.88 dB**
MIF: [2]	**-6.22 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 80MHz Duty cycle: 90% MCS: 1 Number of spatial streams: 1 MPDU length: 8192
Bandwidth:	80.0 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)"'

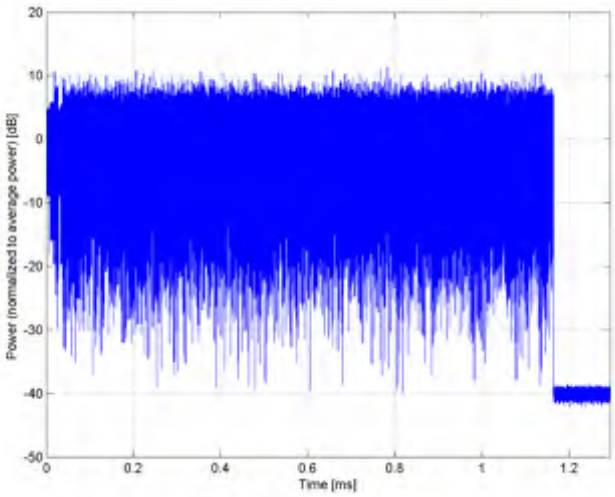
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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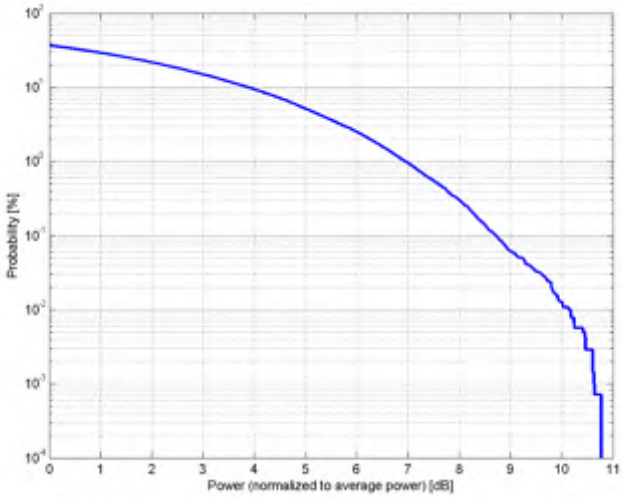
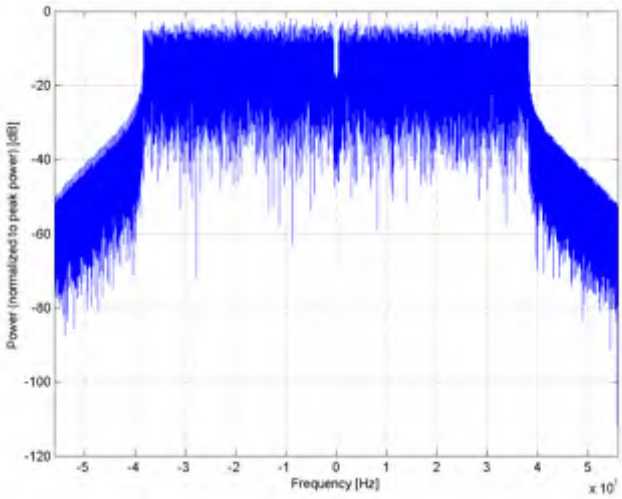
Name:	**IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)**
Group:	WLAN
UID:	10628-AAB
PAR: [1]	**8.71 dB**
MIF: [2]	**-6.84 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 80MHz Duty cycle: 90% MCS: 2 Number of spatial streams: 1 MPDU length: 8192
Bandwidth:	80.0 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)"'

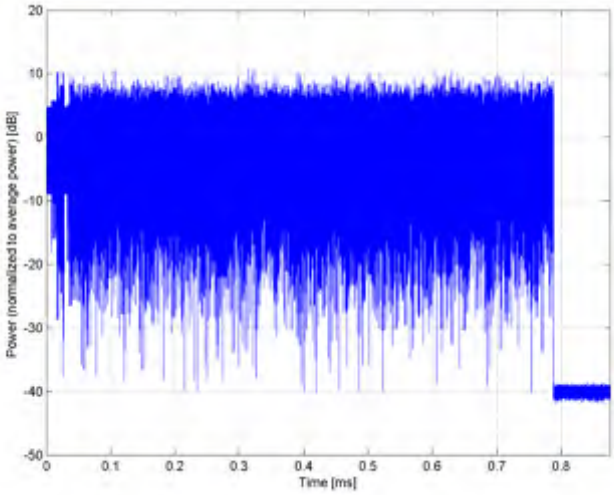
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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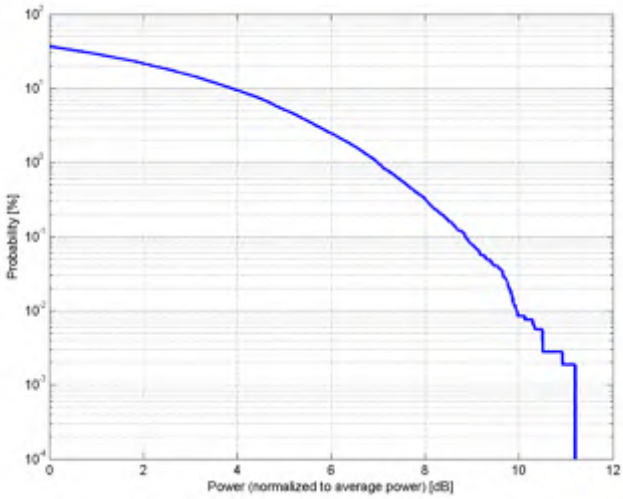
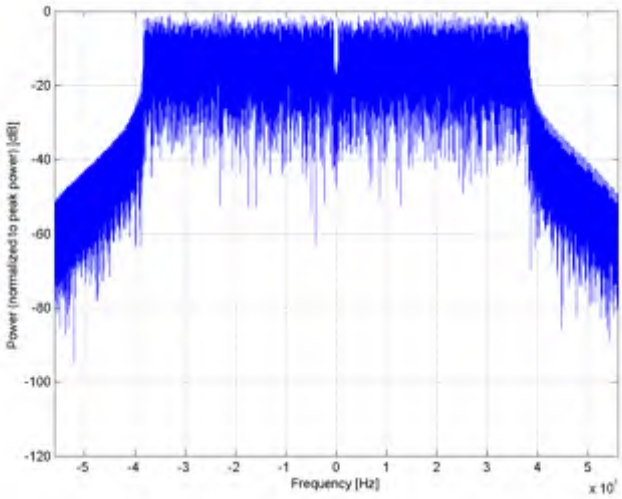
Name:	**IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)**
Group:	WLAN
UID:	10629-AAB
PAR: [1]	**8.85 dB**
MIF: [2]	**-7.44 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 80MHz Duty cycle: 90% MCS: 3 Number of spatial streams: 1 MPDU length: 8192
Bandwidth:	80.0 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)'"

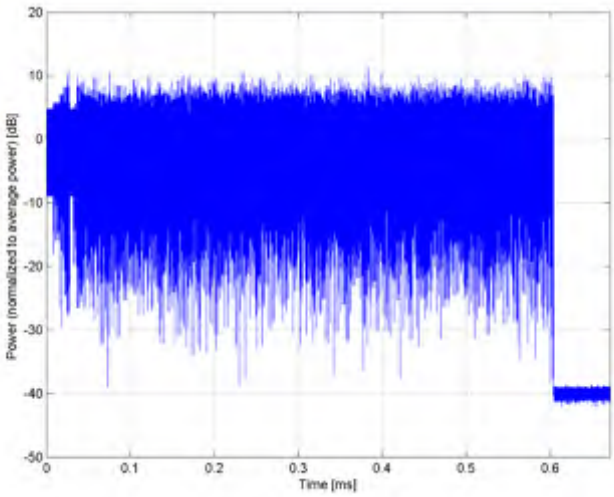
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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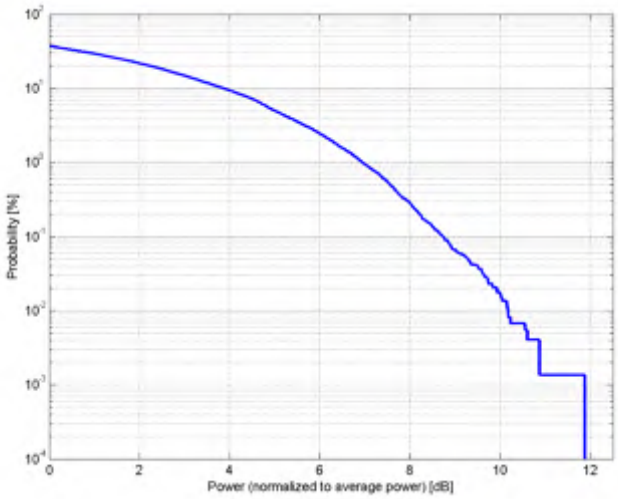
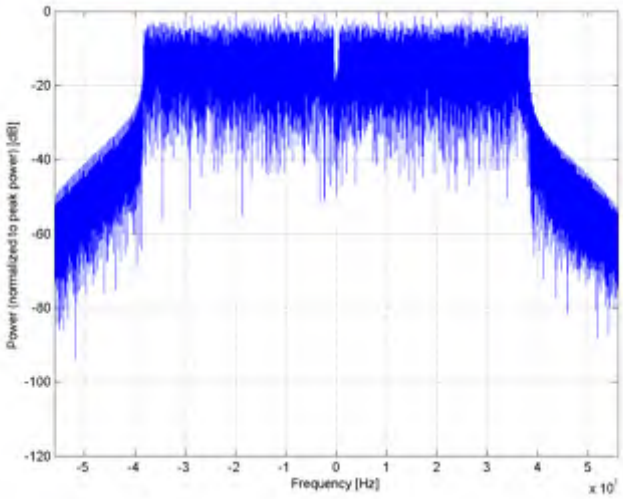
Name:	**IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)**
Group:	WLAN
UID:	10630-AAB
PAR: [1]	**8.72 dB**
MIF: [2]	**-8.48 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 80MHz Duty cycle: 90% MCS: 4 Number of spatial streams: 1 MPDU length: 8192
Bandwidth:	80.0 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)"'

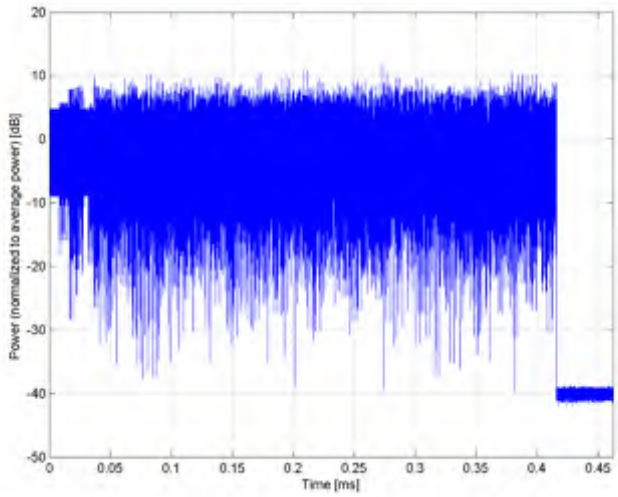
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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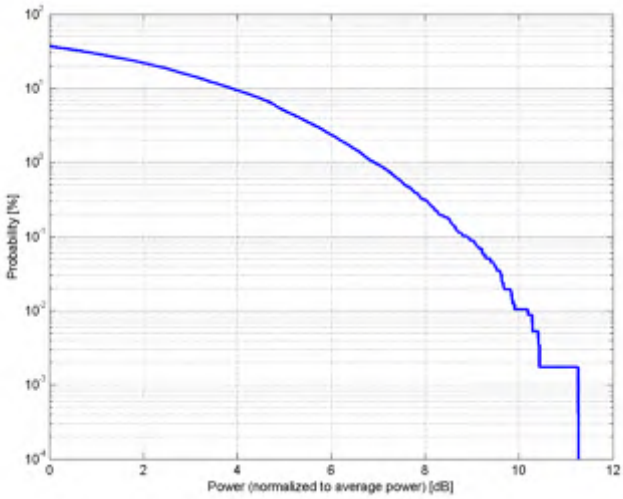
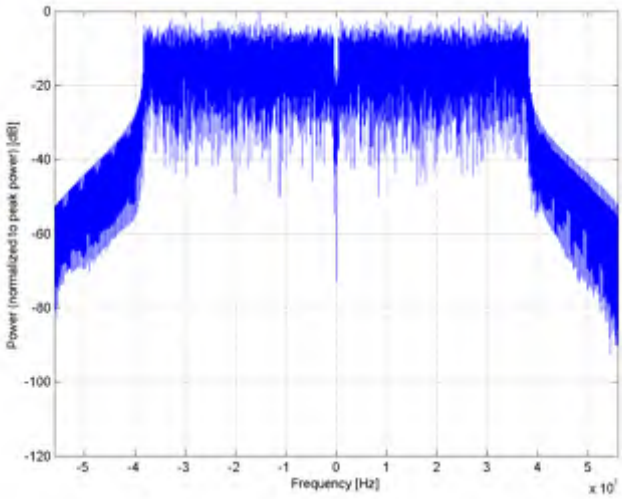
Name:	**IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)**
Group:	WLAN
UID:	10631-AAB
PAR: [1]	**8.81 dB**
MIF: [2]	**-9.17 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 80MHz Duty cycle: 90% MCS: 5 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)'"

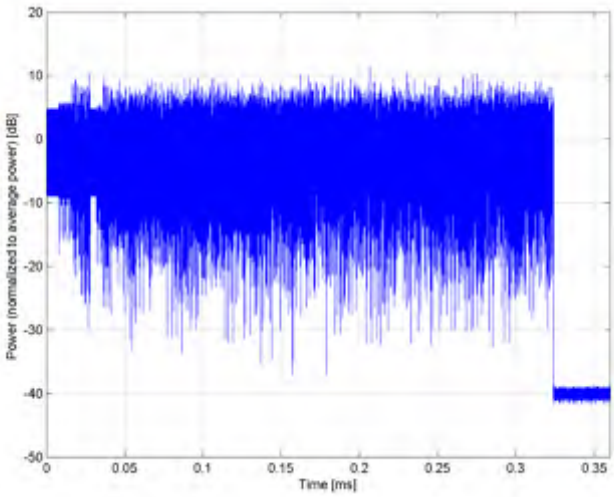
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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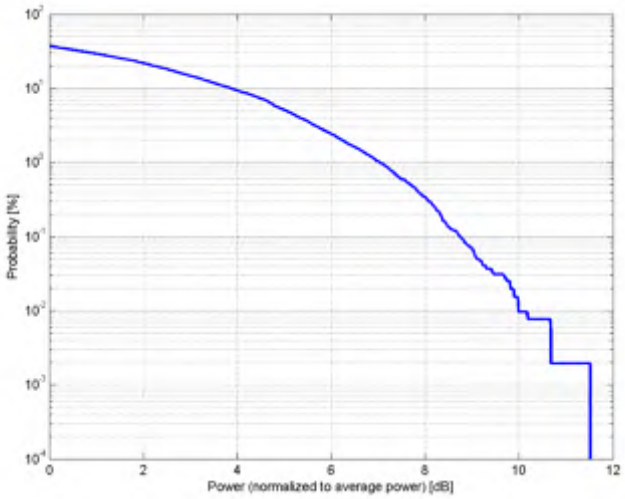
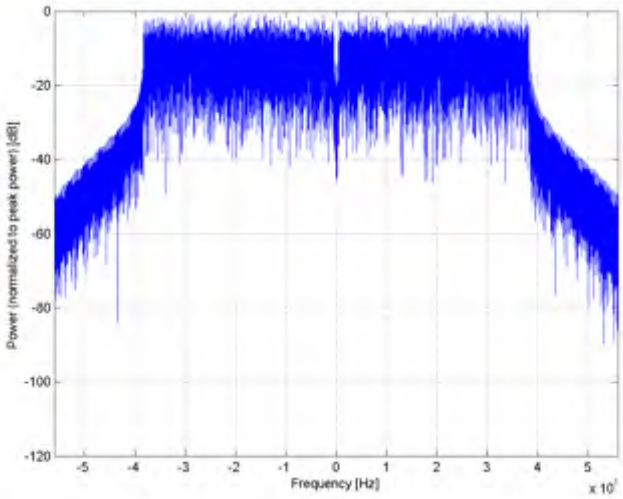
Name:	**IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)**
Group:	WLAN
UID:	10632-AAB
PAR: [1]	**8.74 dB**
MIF: [2]	**-9.64 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 80MHz Duty cycle: 90% 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)"'

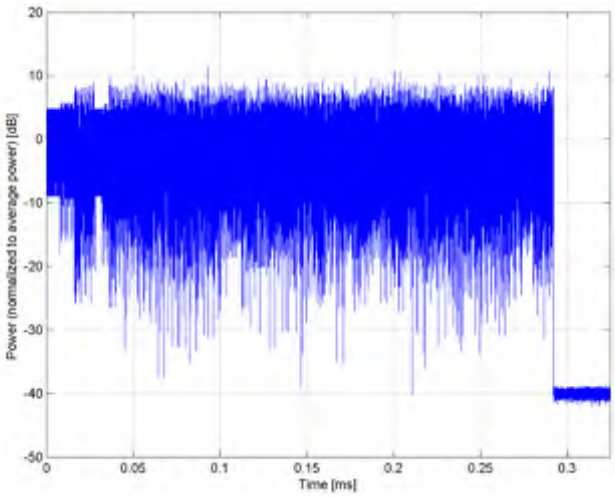
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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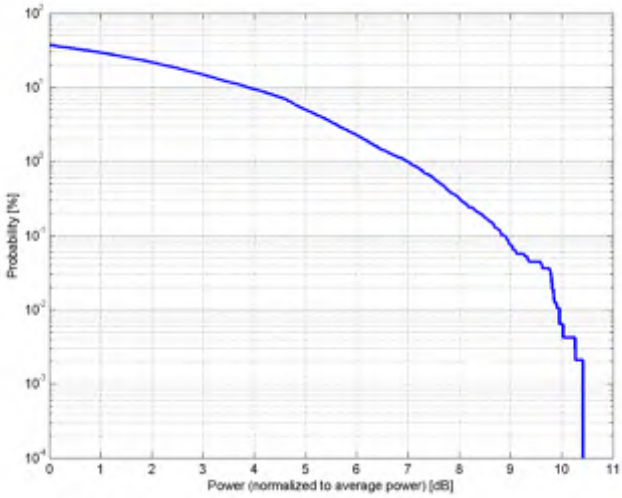
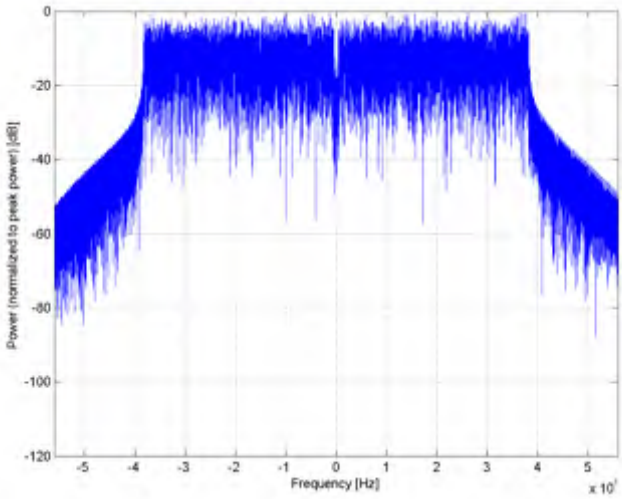
Name:	**IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)**
Group:	WLAN
UID:	10633-AAB
PAR: [1]	**8.83 dB**
MIF: [2]	**-9.97 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 80MHz Duty cycle: 90% 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)"'

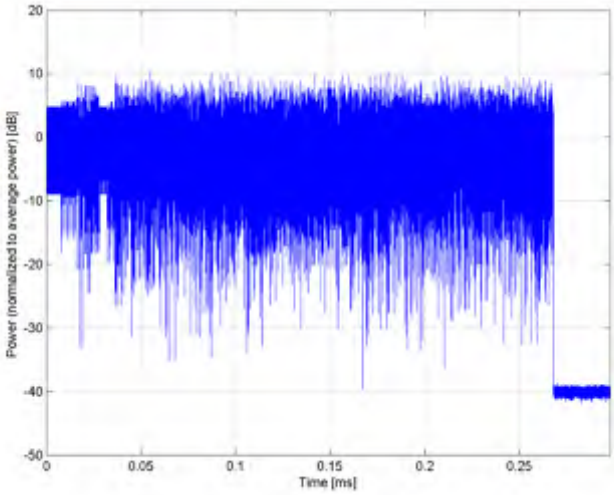
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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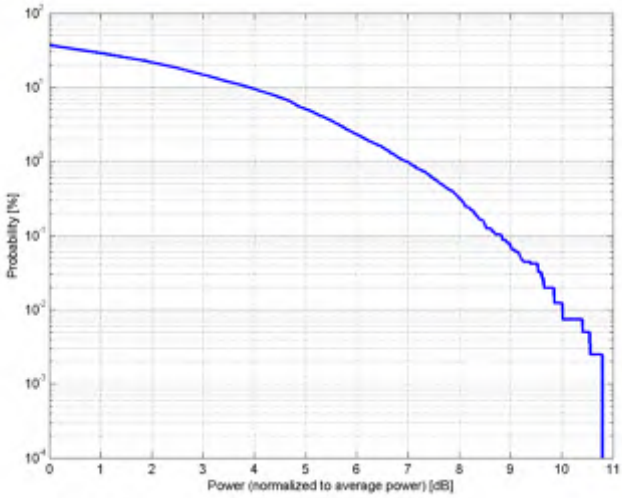
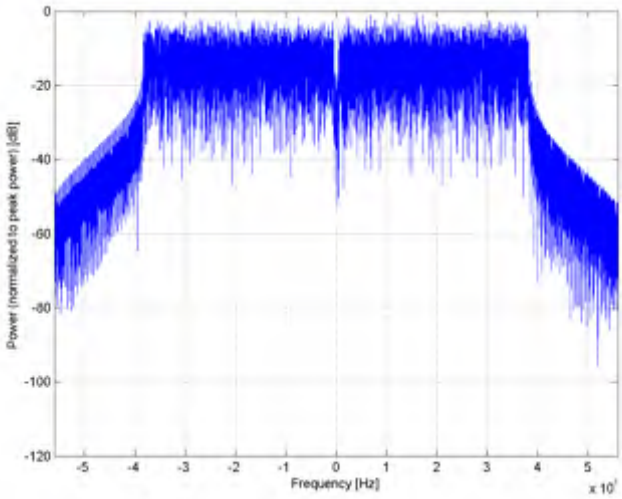
Name:	**IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)**
Group:	WLAN
UID:	10634-AAB
PAR: [1]	**8.80 dB**
MIF: [2]	**-10.92 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	256-QAM
Frequency Band:	WLAN 2.4GHz (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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 80MHz Duty cycle: 90% MCS: 8 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)'"

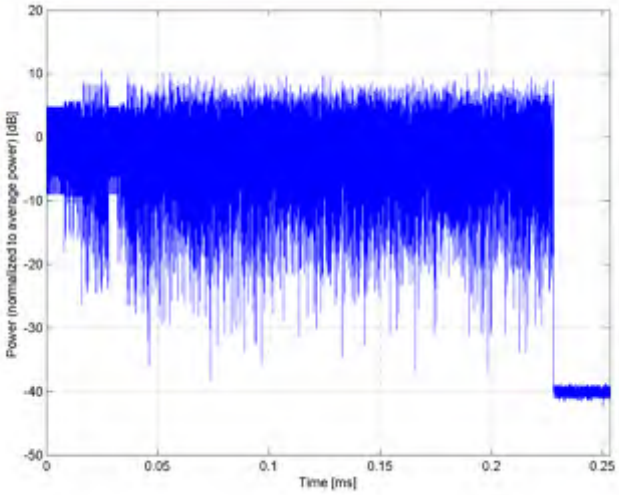
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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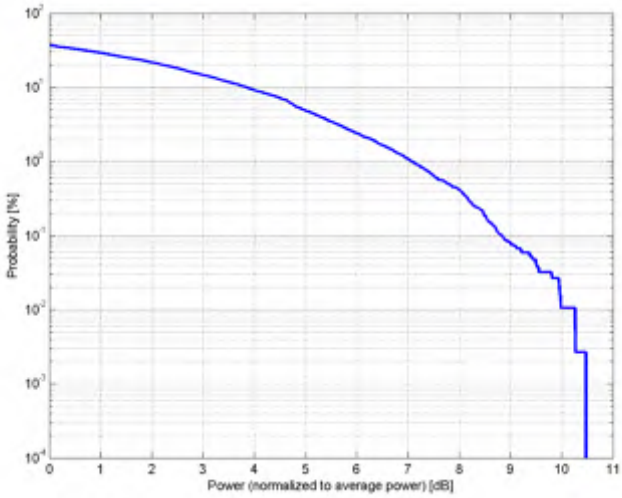
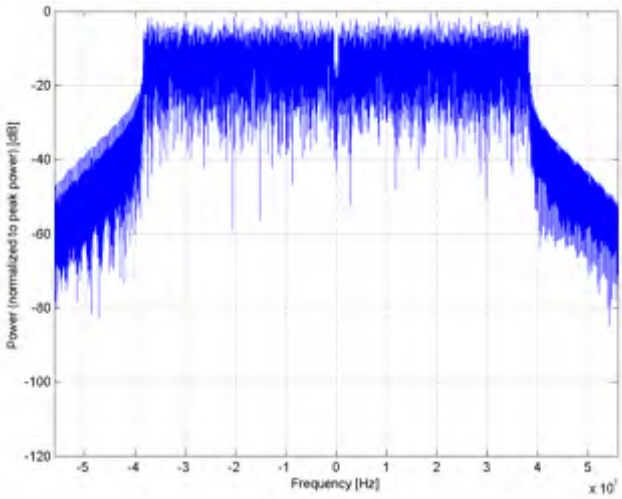
Name:	**IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)**
Group:	WLAN
UID:	10635-AAB
PAR: [1]	**8.81 dB**
MIF: [2]	**-11.43 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	256-QAM
Frequency Band:	WLAN 2.4GHz (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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 80MHz Duty cycle: 90% 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)"'

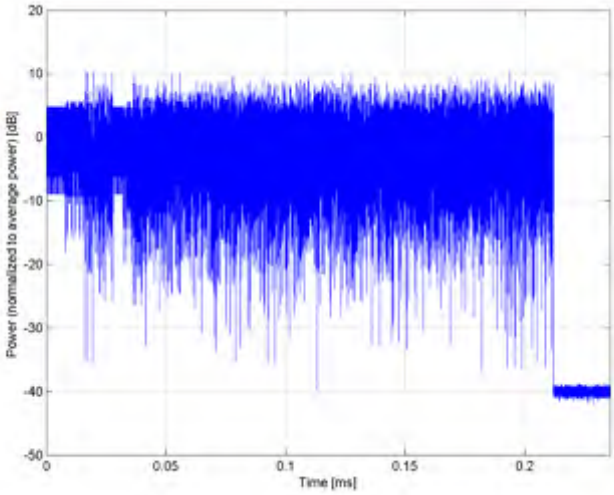
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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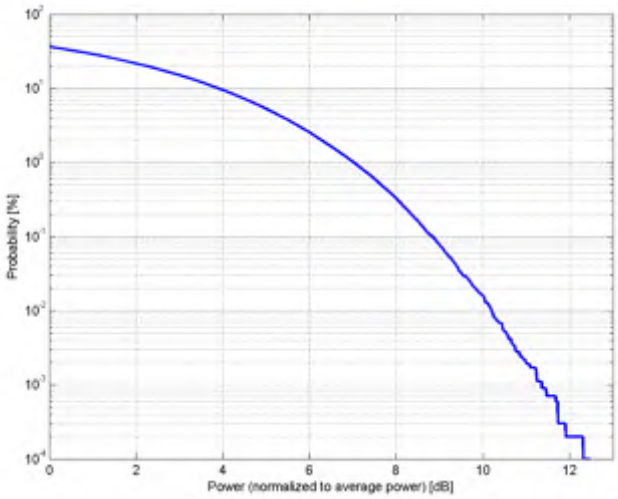
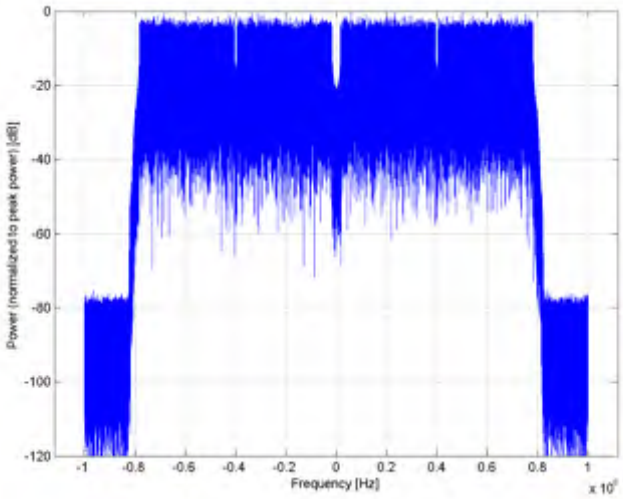
Name:	**IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)**
Group:	WLAN
UID:	10636-AAC
PAR: [1]	**8.83 dB**
MIF: [2]	**-5.56 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	BPSK
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 160MHz Duty cycle: 90% MCS: 0 Number of spatial streams: 1 MPDU length: 32768
Bandwidth:	160.0 MHz
Integration Time:	5.0 ms

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

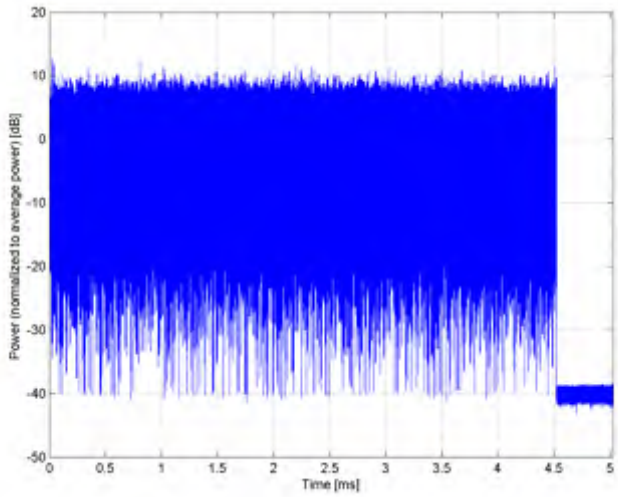
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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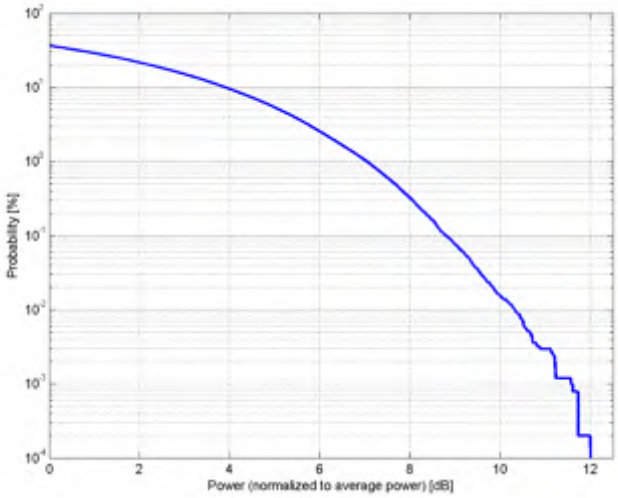
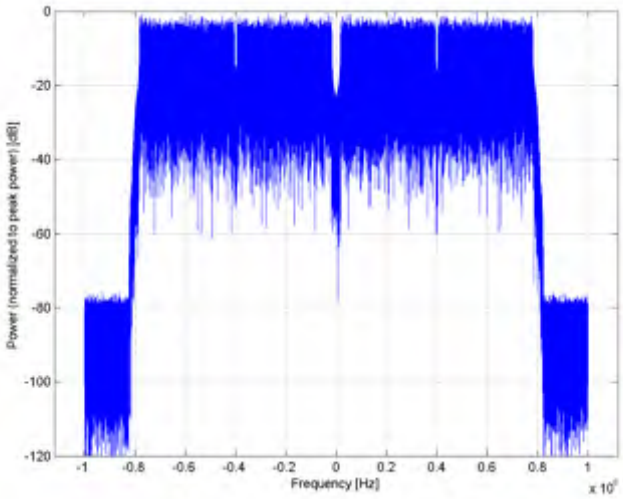
Name:	**IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)**
Group:	WLAN
UID:	10637-AAC
PAR: [1]	**8.79 dB**
MIF: [2]	**-5.61 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 160MHz Duty cycle: 90% MCS: 1 Number of spatial streams: 1 MPDU length: 32768
Bandwidth:	160.0 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)"'

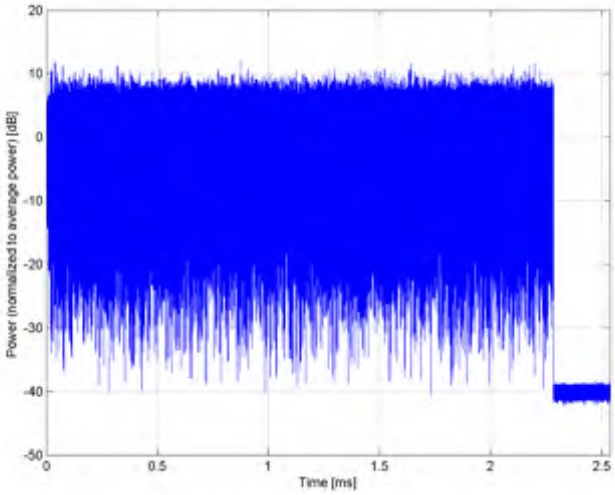
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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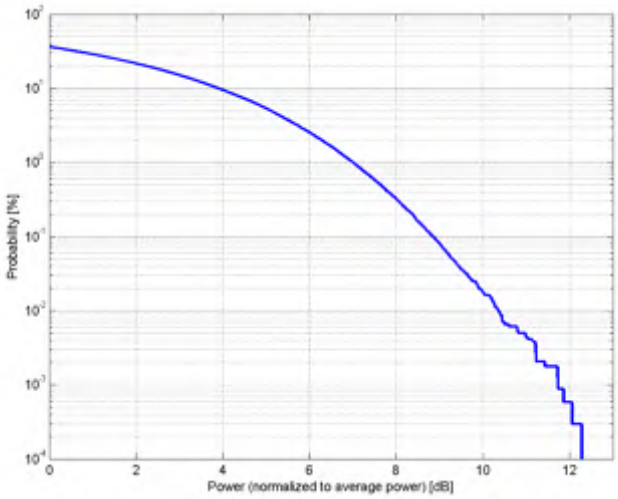
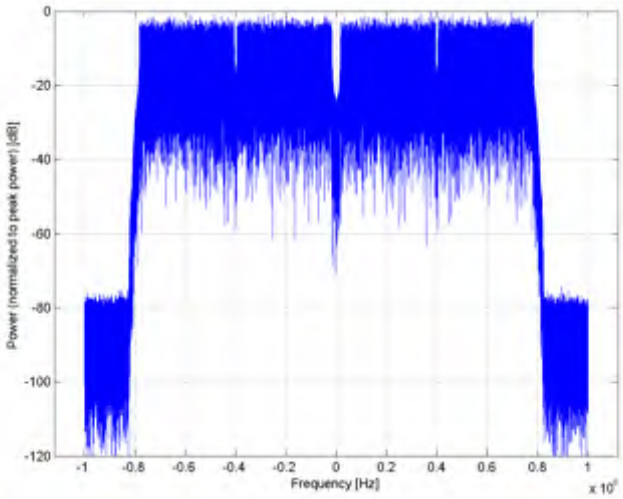
Name:	**IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)**
Group:	WLAN
UID:	10638-AAC
PAR: [1]	**8.86 dB**
MIF: [2]	**-5.84 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 160MHz Duty cycle: 90% MCS: 2 Number of spatial streams: 1 MPDU length: 32768
Bandwidth:	160.0 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)"'

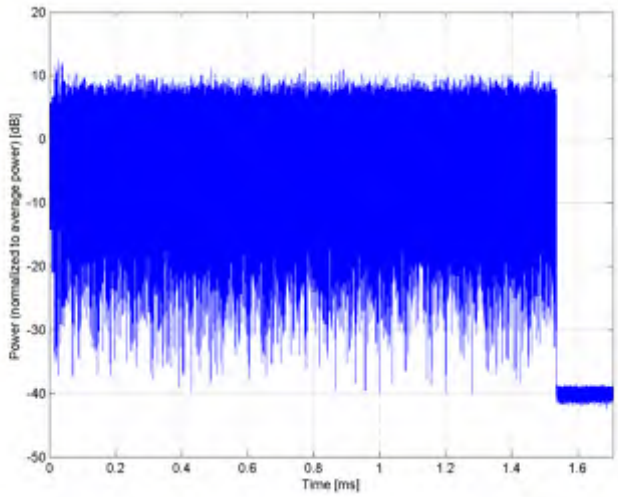
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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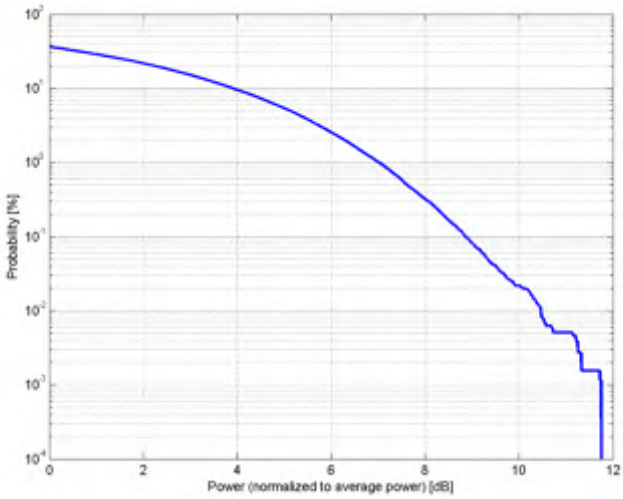
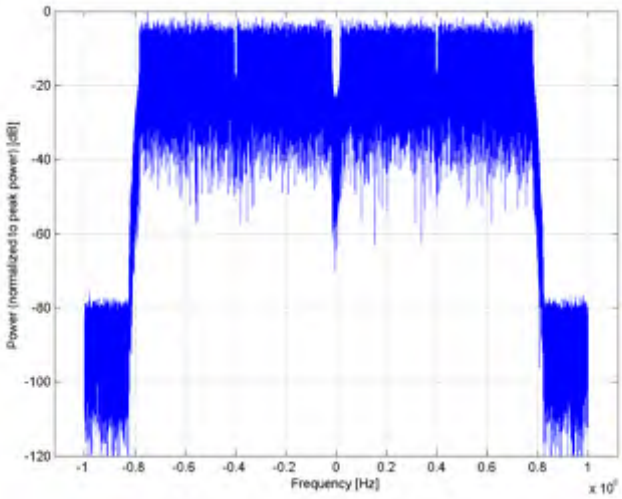
Name:	**IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)**
Group:	WLAN
UID:	10639-AAC
PAR: [1]	**8.85 dB**
MIF: [2]	**-6.13 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 160MHz Duty cycle: 90% MCS: 3 Number of spatial streams: 1 MPDU length: 32768
Bandwidth:	160.0 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)"'

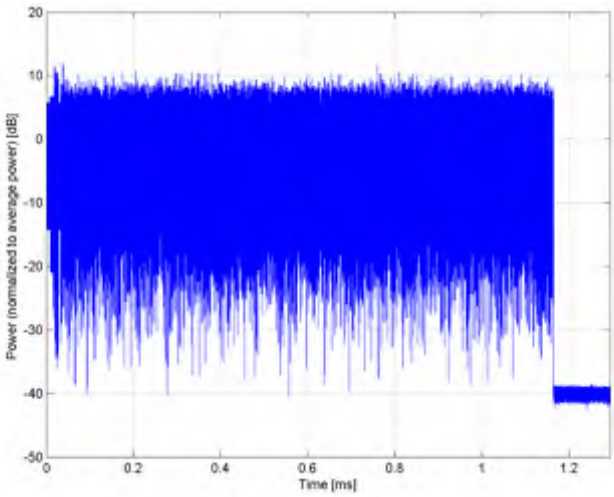
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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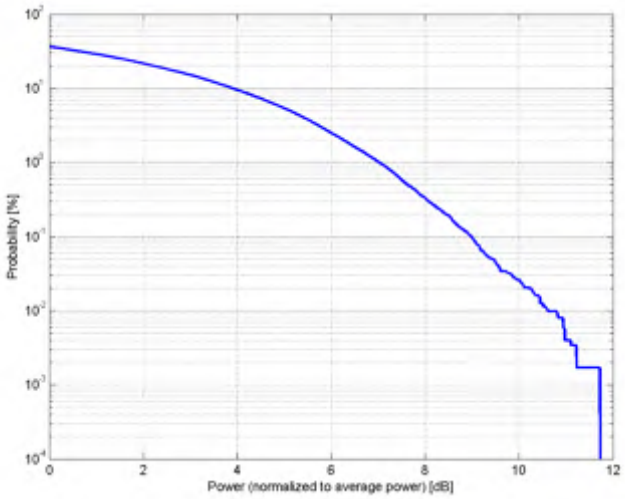
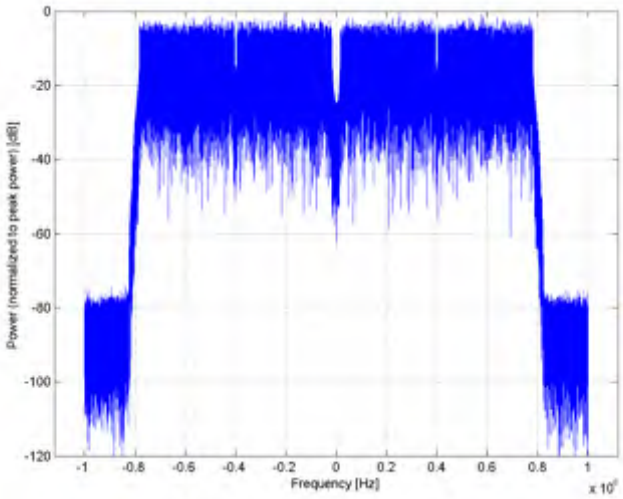
Name:	**IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)**
Group:	WLAN
UID:	10640-AAC
PAR: [1]	**8.98 dB**
MIF: [2]	**-6.67 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 160MHz Duty cycle: 90% MCS: 4 Number of spatial streams: 1 MPDU length: 32768
Bandwidth:	160.0 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)"'

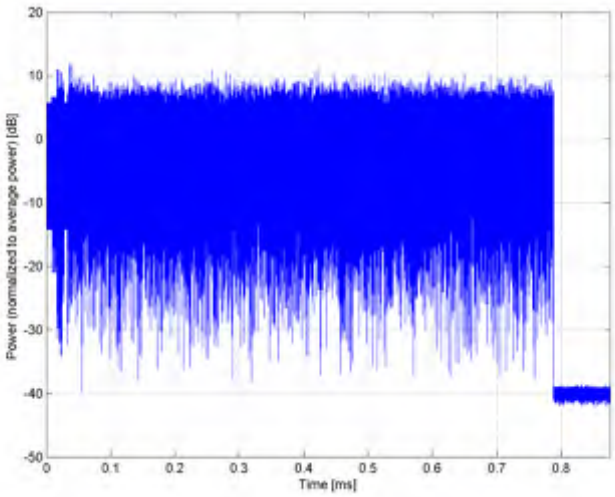
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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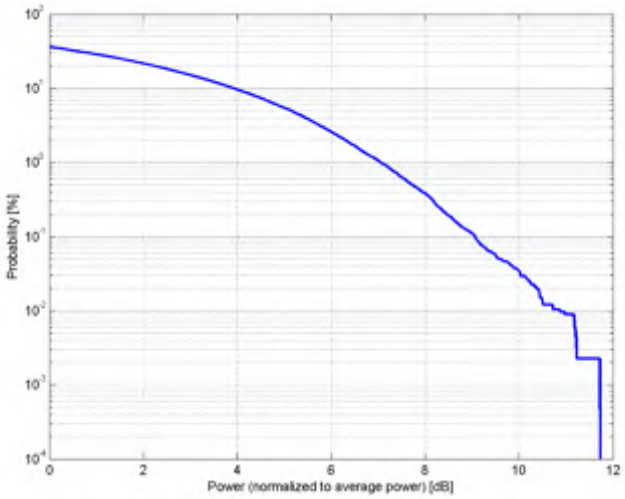
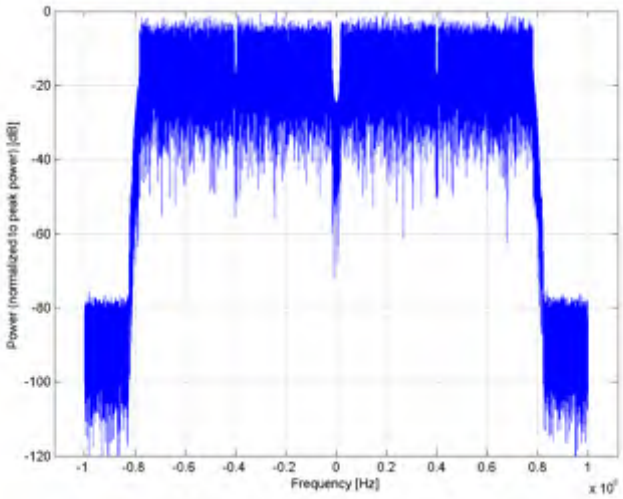
Name:	**IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)**
Group:	WLAN
UID:	10641-AAC
PAR: [1]	**9.06 dB**
MIF: [2]	**-7.18 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 160MHz Duty cycle: 90% MCS: 5 Number of spatial streams: 1 MPDU length: 32768
Bandwidth:	160.0 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)"'

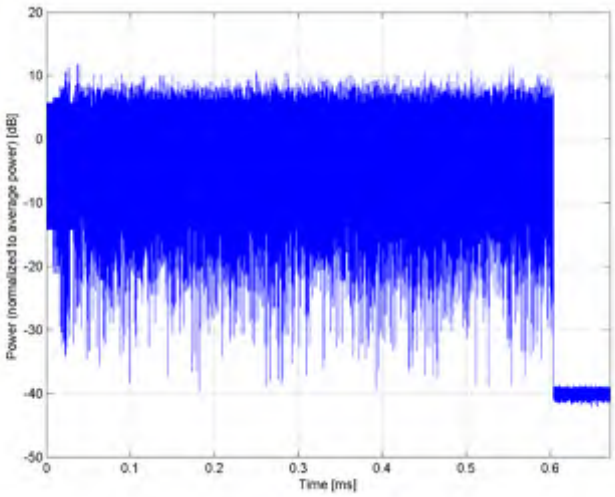
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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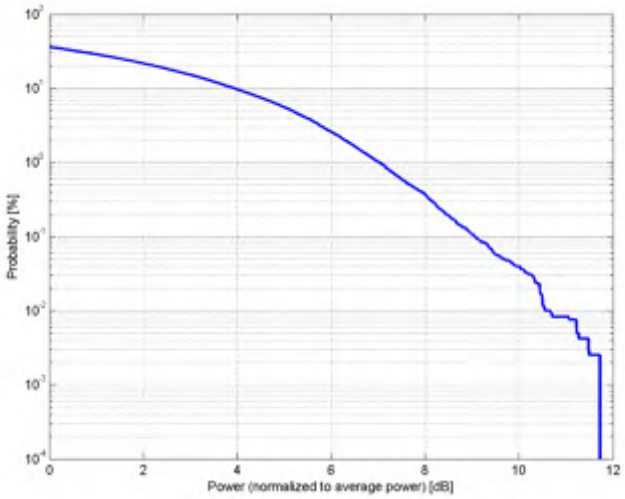
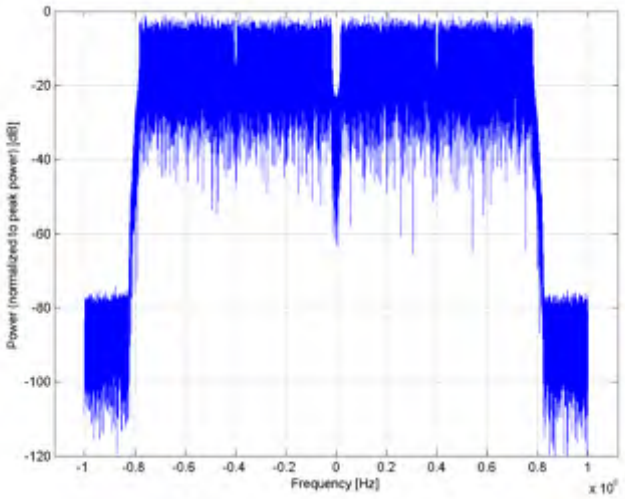
Name:	**IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)**
Group:	WLAN
UID:	10642-AAC
PAR: [1]	**9.06 dB**
MIF: [2]	**-7.38 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 160MHz Duty cycle: 90% MCS: 6 Number of spatial streams: 1 MPDU length: 32768
Bandwidth:	160.0 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)'"

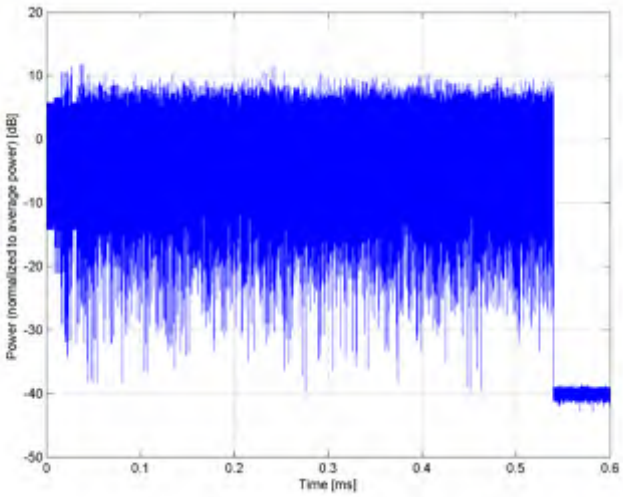
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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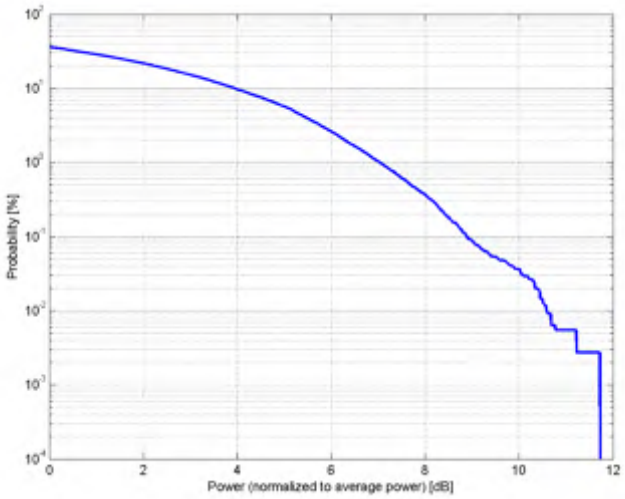
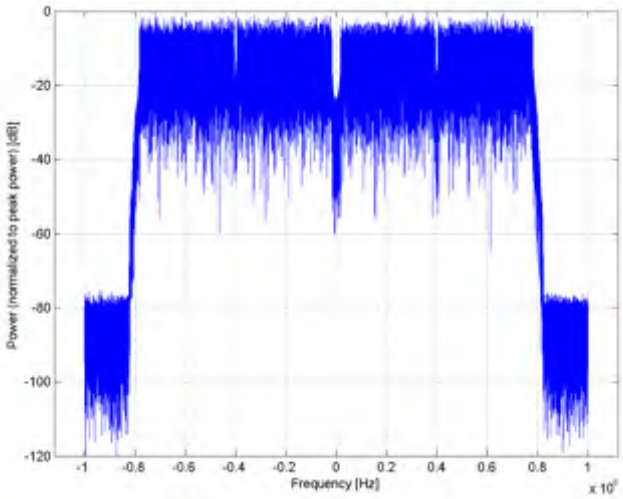
Name:	**IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)**
Group:	WLAN
UID:	10643-AAC
PAR: [1]	**8.89 dB**
MIF: [2]	**-7.65 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 160MHz Duty cycle: 90% 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)'"

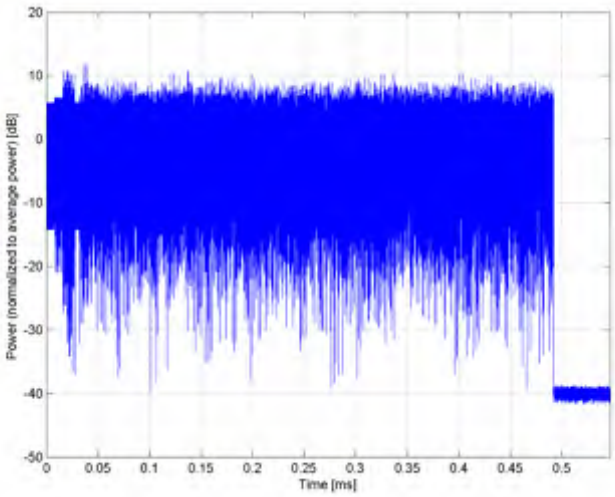
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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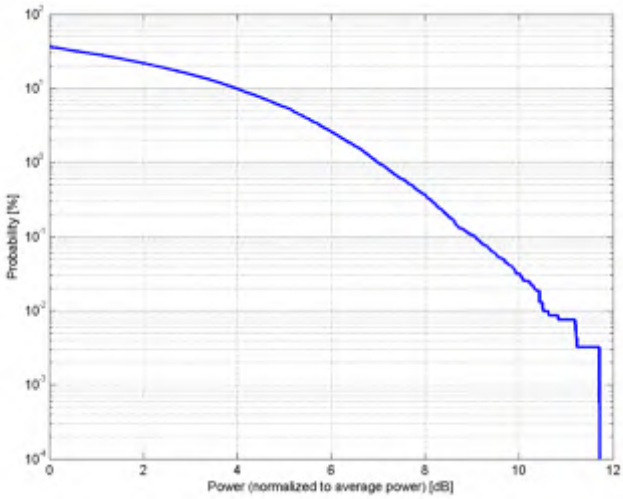
Zeughausstrasse 43, 8004 Zurich, Switzerland

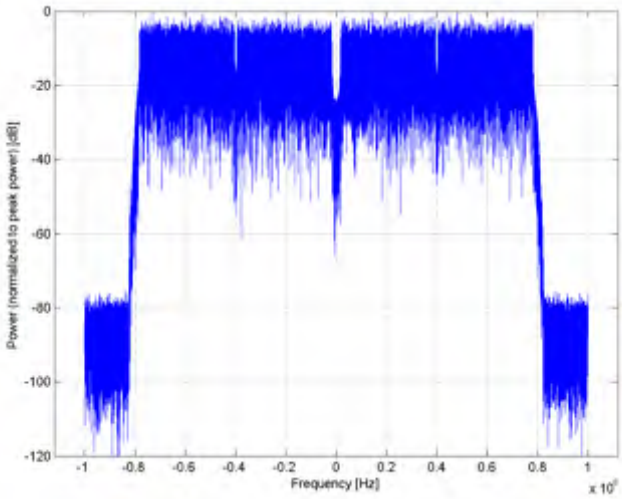
Name:	**IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)**
Group:	WLAN
UID:	10644-AAC
PAR: [1]	**9.05 dB**
MIF: [2]	**-7.99 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	256-QAM
Frequency Band:	WLAN 2.4GHz (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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 160MHz Duty cycle: 90% MCS: 8 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)"'

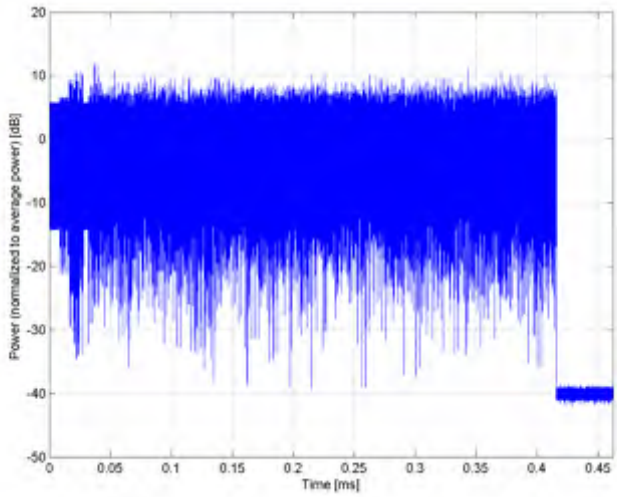
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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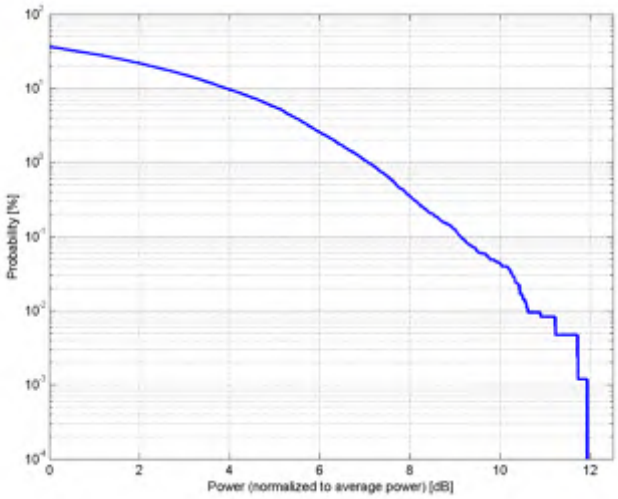
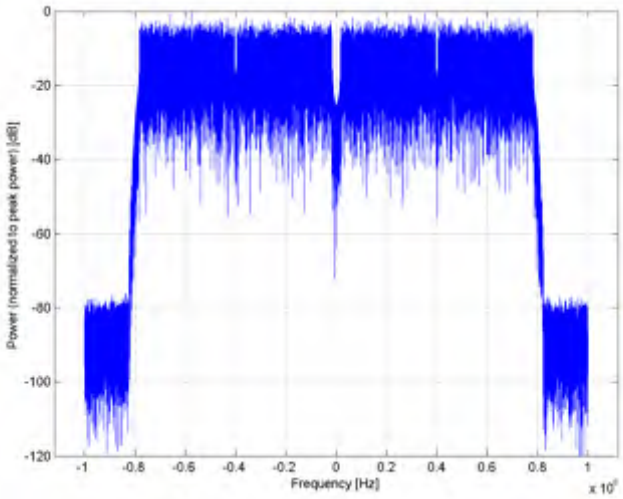
Name:	**IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)**
Group:	WLAN
UID:	10645-AAC
PAR: [1]	**9.11 dB**
MIF: [2]	**-8.26 dB**
Standard Reference:	IEEE 802.11-2013 FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r01
Category:	Random amplitude modulation
Modulation:	256-QAM
Frequency Band:	WLAN 2.4GHz (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) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Bandwidth: 160MHz Duty cycle: 90% 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)"'

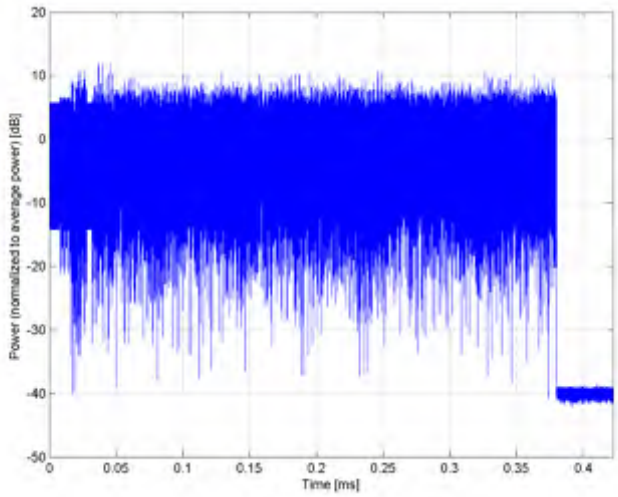
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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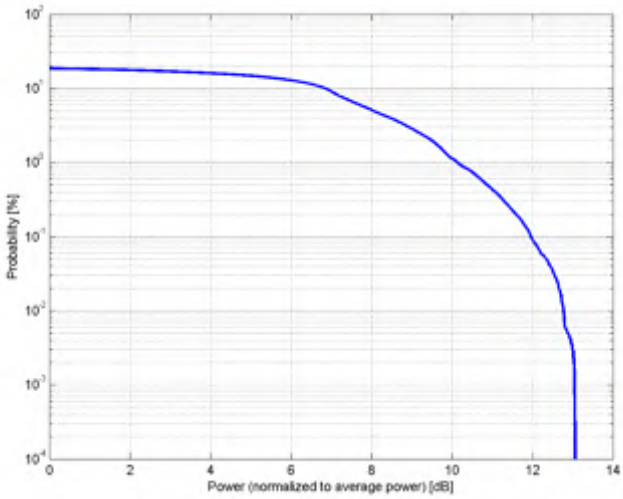
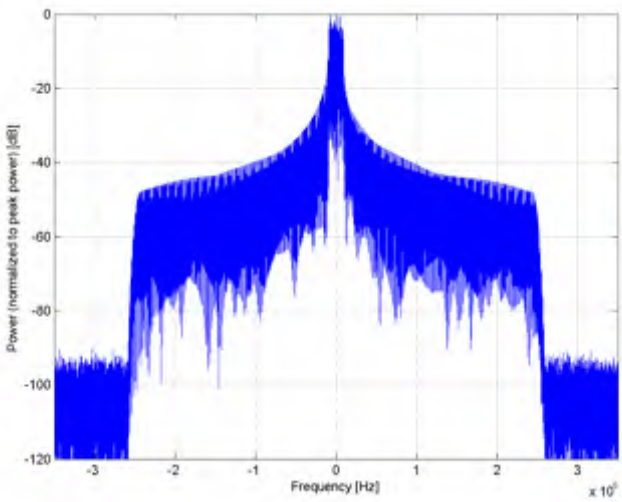
Name:	**LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)**
Group:	LTE-TDD
UID:	10646-AAD
PAR: [1]	**11.96 dB**
MIF: [2]	**1.50 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band 33, E-UTRA/TDD (1900.0 - 1920.0 MHz) Band 34, E-UTRA/TDD (2010.0 - 2025.0 MHz) Band 35, E-UTRA/TDD (1850.0 - 1910.0 MHz) Band 36, E-UTRA/TDD (1930.0 - 1990.0 MHz) Band 37, E-UTRA/TDD (1910.0 - 1930.0 MHz) Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz) Band 39, E-UTRA/TDD (1880.0 - 1920.0 MHz) Band 40, E-UTRA/TDD (2300.0 - 2400.0 MHz) Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz) Band 42, E-UTRA/TDD (3400.0 - 3600.0 MHz) Band 43, E-UTRA/TDD (3600.0 - 3800.0 MHz) Band 44, E-UTRA/TDD (703.0 - 803.0 MHz) Band 45, E-UTRA/FDD (1447.0 - 1467.0 MHz) Band 48, E-UTRA/TDD (3550.0 - 3700.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Uplink-downlink configuration: 2 Special Subframe configuration: 4 Number of Frames: 2 Settings for UL Subframe: 2,7 Number of PUSCHs: 1 Modulation Scheme: QPSK Allocated RB: 1 Start Number of RB: 12 Data Type: PN9fix
Bandwidth:	5.0 MHz
Integration Time:	20.0 ms

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

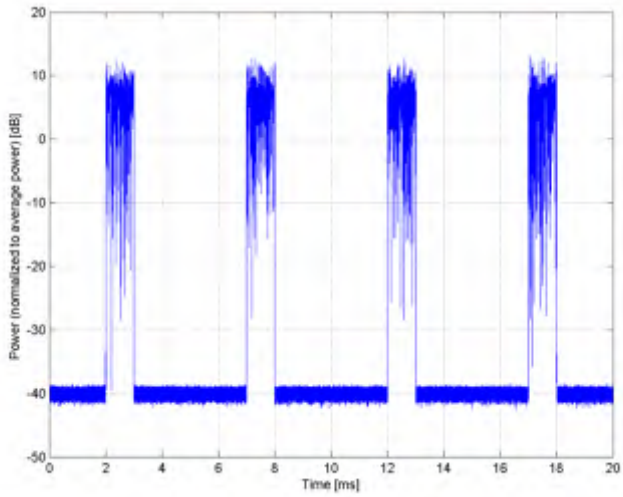
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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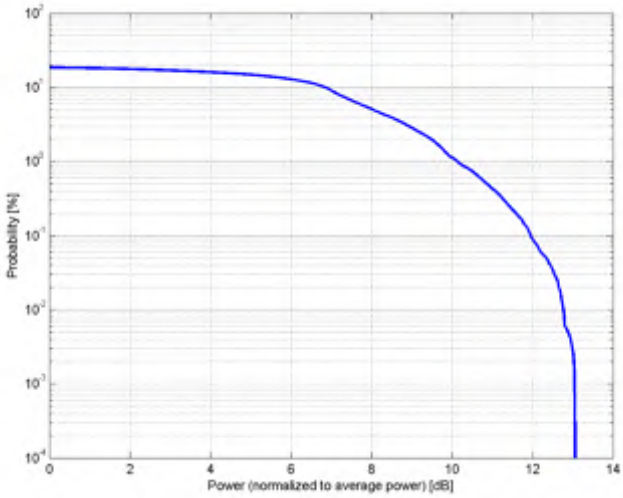
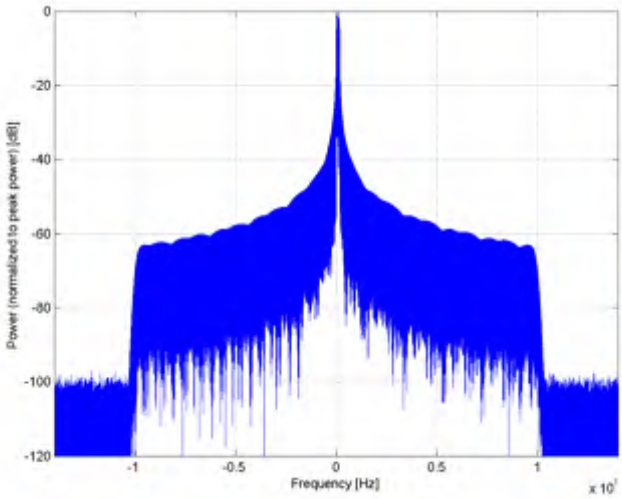
Name:	**LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)**
Group:	LTE-TDD
UID:	10647-AAC
PAR: [1]	**11.96 dB**
MIF: [2]	**1.50 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band 33, E-UTRA/TDD (1900.0 - 1920.0 MHz) Band 35, E-UTRA/TDD (1850.0 - 1910.0 MHz) Band 36, E-UTRA/TDD (1930.0 - 1990.0 MHz) Band 37, E-UTRA/TDD (1910.0 - 1930.0 MHz) Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz) Band 39, E-UTRA/TDD (1880.0 - 1920.0 MHz) Band 40, E-UTRA/TDD (2300.0 - 2400.0 MHz) Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz) Band 42, E-UTRA/TDD (3400.0 - 3600.0 MHz) Band 43, E-UTRA/TDD (3600.0 - 3800.0 MHz) Band 44, E-UTRA/TDD (703.0 - 803.0 MHz) Band 45, E-UTRA/FDD (1447.0 - 1467.0 MHz) Band 46, E-UTRA/FDD (5150.0 - 5925.0 MHz) Band 47, E-UTRA/TDD (5855.0 - 5925.0 MHz) Band 48, E-UTRA/TDD (3550.0 - 3700.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Uplink-downlink configuration: 2 Special Subframe configuration: 7 Number of Frames: 2 Settings for UL Subframe: 2,7 Number of PUSCHs: 1 Modulation Scheme: QPSK Allocated RB: 1 Start Number of RB: 50 Data Type: PN9fix
Bandwidth:	20.0 MHz
Integration Time:	20.0 ms

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

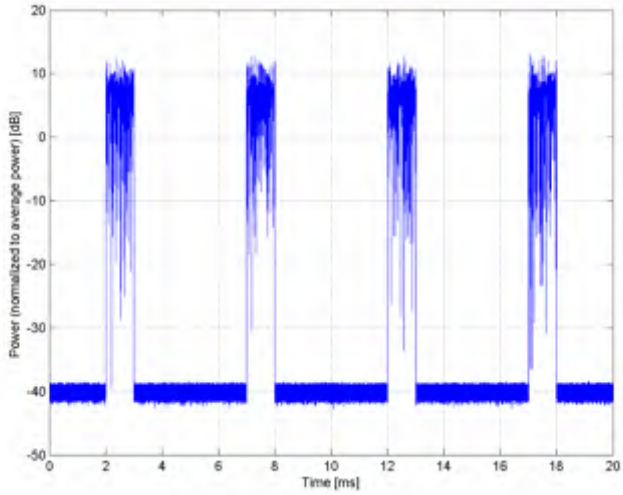
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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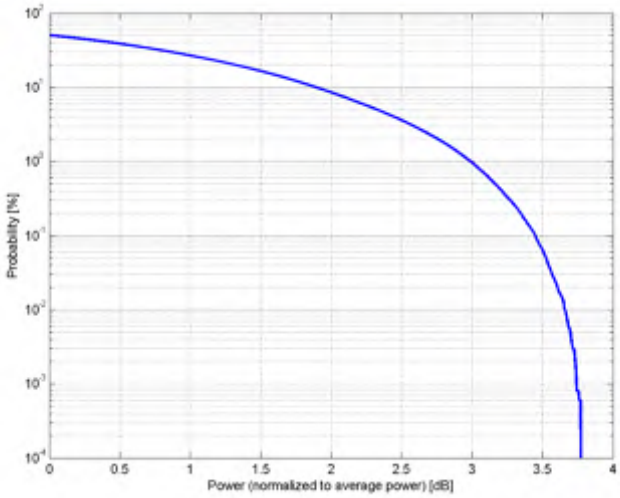
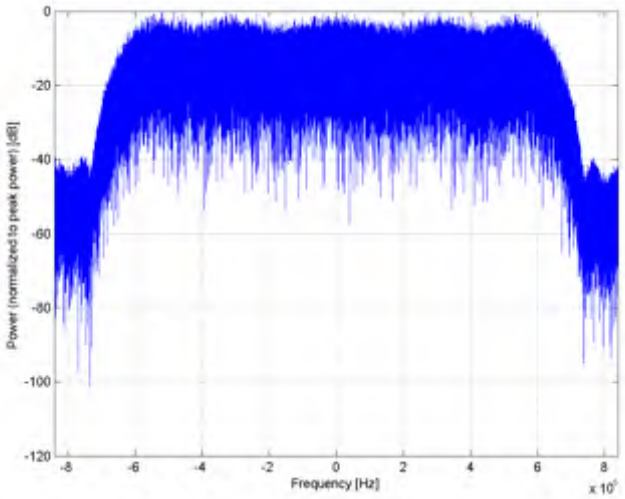
Name:	**CDMA2000 (1x Advanced)**
Group:	CDMA2000
UID:	10648-AAA
PAR: [1]	**3.45 dB**
MIF: [2]	**-19.86 dB**
Standard Reference:	FCC OET KDB 941225 D01 3G SAR Procedures v03r01
Category:	Random amplitude modulation
Modulation:	-
Frequency Band:	Band Class 0 (815.0-849.0 MHz, 20220) Band Class 1 (1850.0-1910.0 MHz, 20040) Band Class 2 (872.0-915.0 MHz, 20041) Band Class 3 (887.0-925.0 MHz, 20042) Band Class 4 (1750.0-1780.0 MHz, 20043) Band Class 5 (411.7-483.5 MHz, 20044) Band Class 6 (1920.0-1980.0 MHz, 20045) Band Class 7 (776.0-794.0 MHz, 20046) Band Class 8 (1710.0-1785.0 MHz, 20047) Band Class 9 (880.0-915.0 MHz, 20048) Band Class 10 (806.0-901.0 MHz, 20049) Band Class 11 (410.0-462.5 MHz, 20050) Band Class 12 (870.0-876.0 MHz, 20051) Band Class 13 (2500.0-2570.0 MHz, 20179) Band Class 14 (1850.0-1915.0 MHz, 20180) Band Class 15 (1710.0-1755.0 MHz, 20181) Band Class 16 (2502.0-2568.0 MHz, 20182) Band Class 18 (787.0-799.0 MHz, 20184) Band Class 19 (698.0-716.0 MHz, 20185) Band Class 20 (1626.5-1660.5 MHz, 20186) Band Class 21 (2000.0-2020.0 MHz, 20187)
Detailed Specification:	Service Option 75 (SO75) Uplink RC8 Downlink RC11
Bandwidth:	1.2 MHz
Integration Time:	100.0 ms

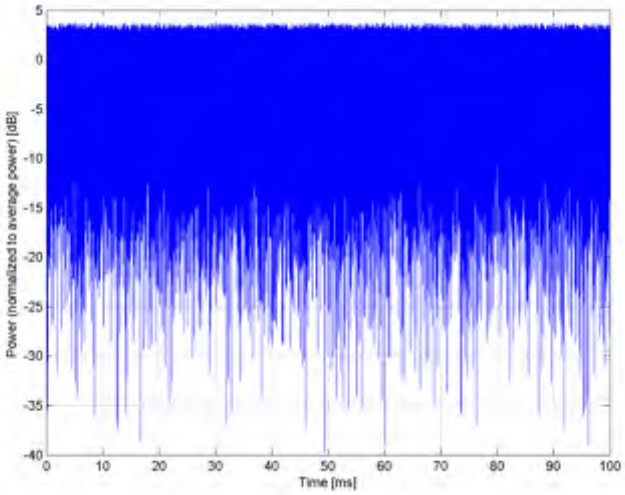
[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)'"
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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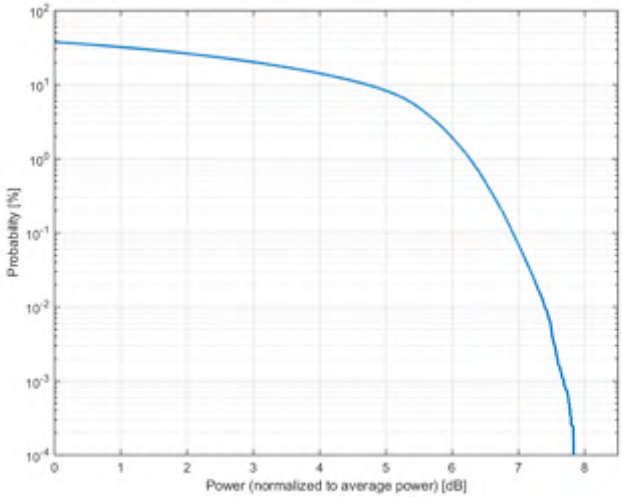
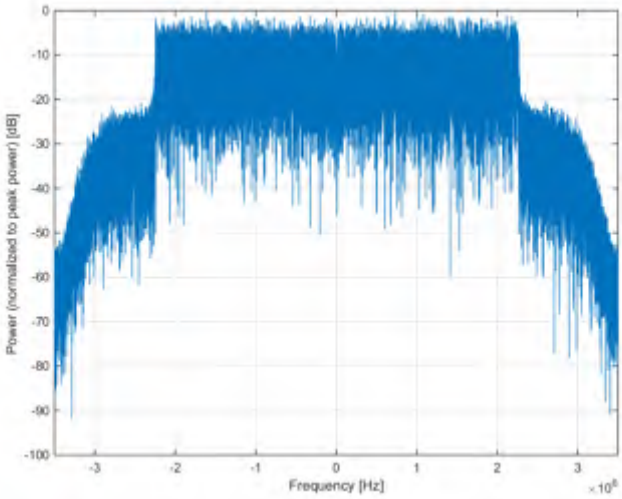
Name:	**LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)**
Group:	LTE-TDD
UID:	10652-AAB
PAR: [1]	**6.91 dB**
MIF: [2]	**-5.16 dB**
Standard Reference:	TS 36.141 V11.4
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	Band 33, E-UTRA/TDD (1900.0 - 1920.0 MHz) Band 34, E-UTRA/TDD (2010.0 - 2025.0 MHz) Band 35, E-UTRA/TDD (1850.0 - 1910.0 MHz) Band 36, E-UTRA/TDD (1930.0 - 1990.0 MHz) Band 37, E-UTRA/TDD (1910.0 - 1930.0 MHz) Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz) Band 39, E-UTRA/TDD (1880.0 - 1920.0 MHz) Band 40, E-UTRA/TDD (2300.0 - 2400.0 MHz) Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz) Band 42, E-UTRA/TDD (3400.0 - 3600.0 MHz) Band 43, E-UTRA/TDD (3600.0 - 3800.0 MHz) Band 44, E-UTRA/TDD (703.0 - 803.0 MHz) Band 45, E-UTRA/FDD (1447.0 - 1467.0 MHz) Band 48, E-UTRA/TDD (3550.0 - 3700.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	E-UTRA Test Model 3.1 (E-TM3.1) Bandwidth: 5 MHz Clipping 44 %
Bandwidth:	5.0 MHz
Integration Time:	30.0 ms

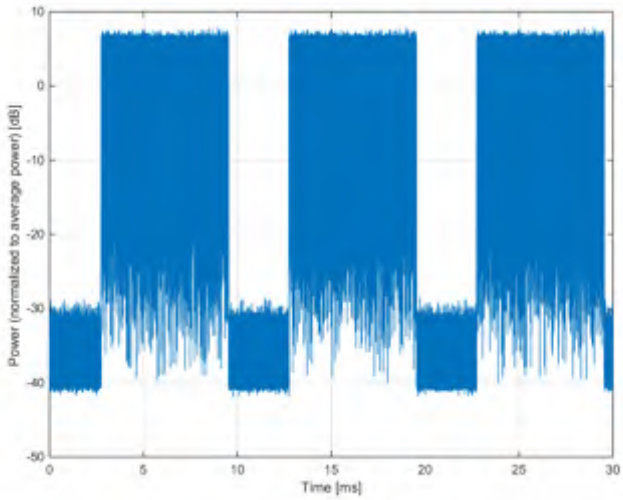
1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)'"
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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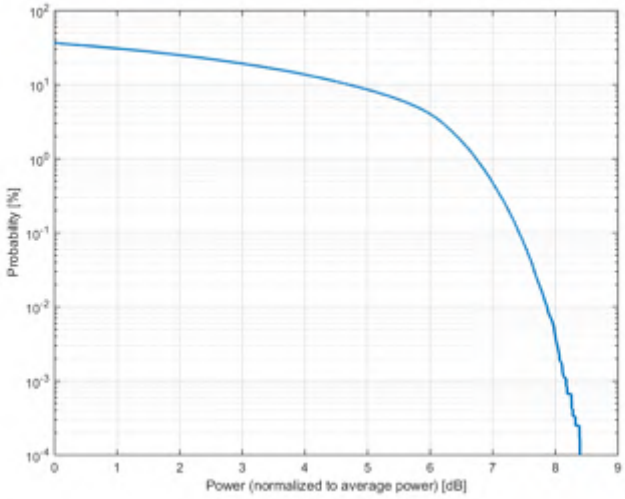
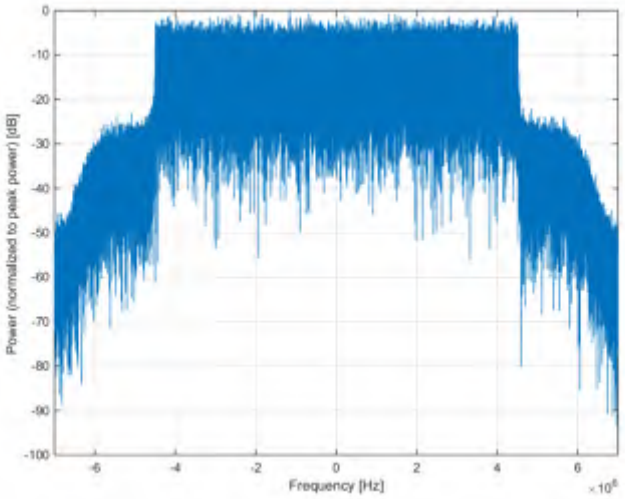
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name:	**LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)**
Group:	LTE-TDD
UID:	10653-AAB
PAR: [1]	**7.42 dB**
MIF: [2]	**-5.10 dB**
Standard Reference:	TS 36.141 V11.4
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	Band 33, E-UTRA/TDD (1900.0 - 1920.0 MHz) Band 34, E-UTRA/TDD (2010.0 - 2025.0 MHz) Band 35, E-UTRA/TDD (1850.0 - 1910.0 MHz) Band 36, E-UTRA/TDD (1930.0 - 1990.0 MHz) Band 37, E-UTRA/TDD (1910.0 - 1930.0 MHz) Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz) Band 39, E-UTRA/TDD (1880.0 - 1920.0 MHz) Band 40, E-UTRA/TDD (2300.0 - 2400.0 MHz) Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz) Band 42, E-UTRA/TDD (3400.0 - 3600.0 MHz) Band 43, E-UTRA/TDD (3600.0 - 3800.0 MHz) Band 44, E-UTRA/TDD (703.0 - 803.0 MHz) Band 45, E-UTRA/FDD (1447.0 - 1467.0 MHz) Band 46, E-UTRA/FDD (5150.0 - 5925.0 MHz) Band 47, E-UTRA/TDD (5855.0 - 5925.0 MHz) Band 48, E-UTRA/TDD (3550.0 - 3700.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	E-UTRA Test Model 3.1 (E-TM3.1) Bandwidth: 10 MHz Clipping 44 %
Bandwidth:	10.0 MHz
Integration Time:	30.0 ms

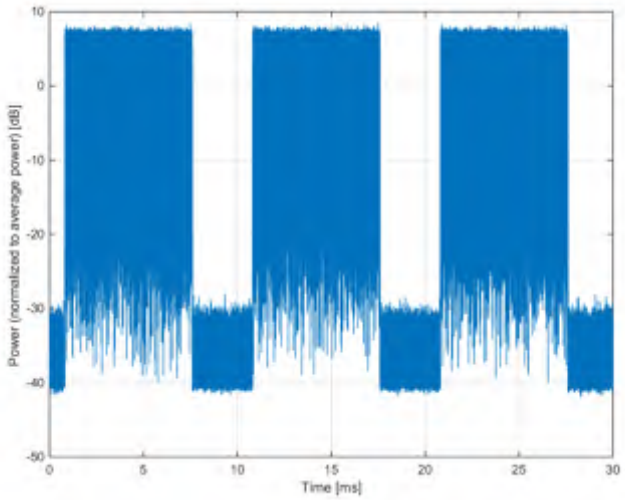
1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)'"
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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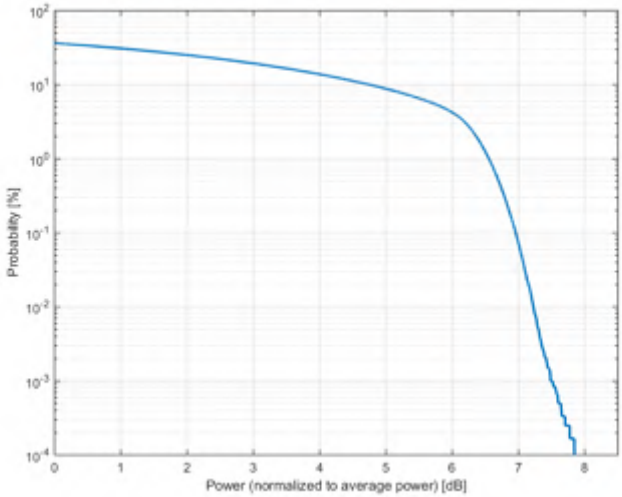
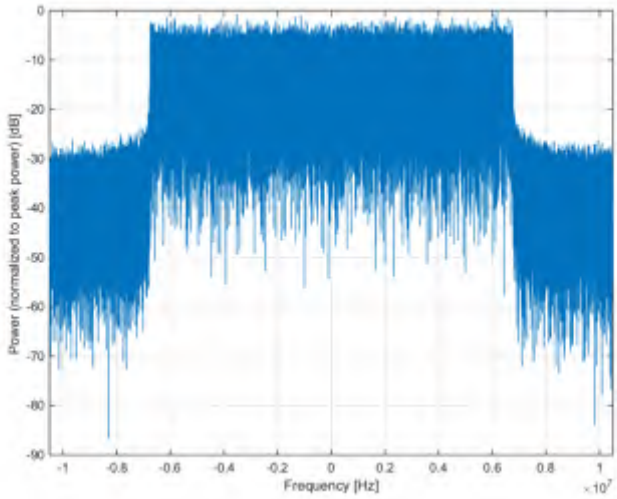
Name:	**LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)**
Group:	LTE-TDD
UID:	10654-AAB
PAR: [1]	**6.96 dB**
MIF: [2]	**-5.07 dB**
Standard Reference:	TS 36.141 V11.4
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	Band 33, E-UTRA/TDD (1900.0 - 1920.0 MHz) Band 34, E-UTRA/TDD (2010.0 - 2025.0 MHz) Band 35, E-UTRA/TDD (1850.0 - 1910.0 MHz) Band 36, E-UTRA/TDD (1930.0 - 1990.0 MHz) Band 37, E-UTRA/TDD (1910.0 - 1930.0 MHz) Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz) Band 39, E-UTRA/TDD (1880.0 - 1920.0 MHz) Band 40, E-UTRA/TDD (2300.0 - 2400.0 MHz) Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz) Band 42, E-UTRA/TDD (3400.0 - 3600.0 MHz) Band 43, E-UTRA/TDD (3600.0 - 3800.0 MHz) Band 44, E-UTRA/TDD (703.0 - 803.0 MHz) Band 45, E-UTRA/FDD (1447.0 - 1467.0 MHz) Band 48, E-UTRA/TDD (3550.0 - 3700.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	E-UTRA Test Model 3.1 (E-TM3.1) Bandwidth: 15 MHz Clipping 44 %
Bandwidth:	15.0 MHz
Integration Time:	30.0 ms

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

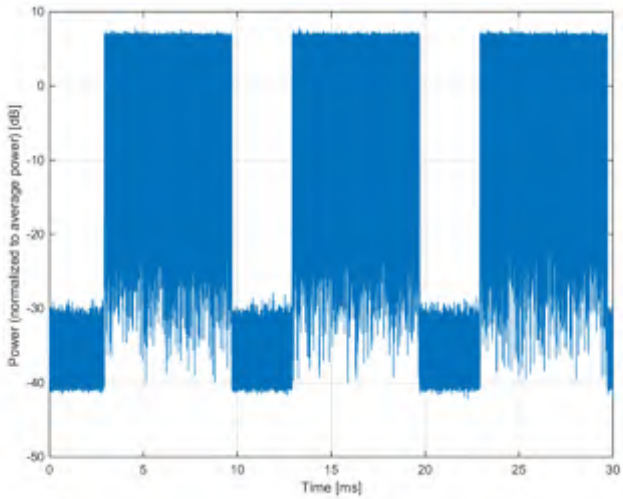
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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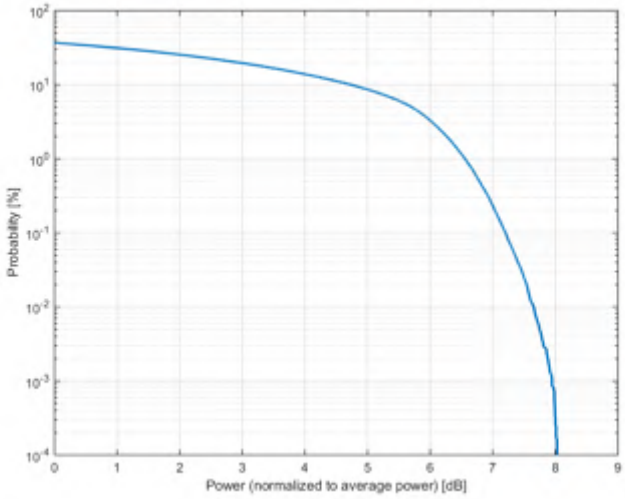
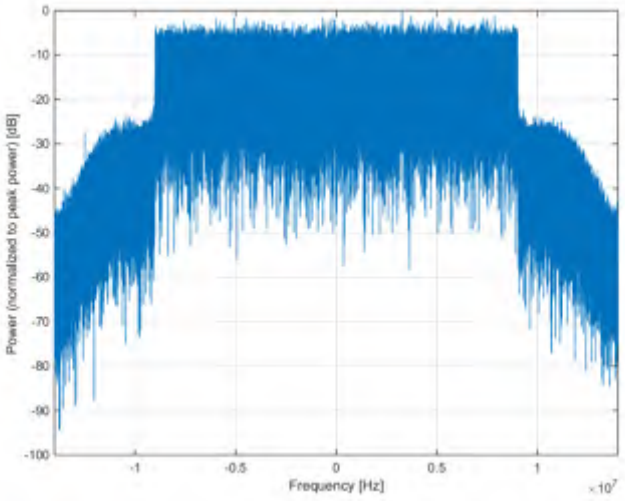
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name:	**LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)**
Group:	LTE-TDD
UID:	10655-AAB
PAR: [1]	**7.21 dB**
MIF: [2]	**-5.05 dB**
Standard Reference:	TS 36.141 V11.4
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	Band 33, E-UTRA/TDD (1900.0 - 1920.0 MHz) Band 35, E-UTRA/TDD (1850.0 - 1910.0 MHz) Band 36, E-UTRA/TDD (1930.0 - 1990.0 MHz) Band 37, E-UTRA/TDD (1910.0 - 1930.0 MHz) Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz) Band 39, E-UTRA/TDD (1880.0 - 1920.0 MHz) Band 40, E-UTRA/TDD (2300.0 - 2400.0 MHz) Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz) Band 42, E-UTRA/TDD (3400.0 - 3600.0 MHz) Band 43, E-UTRA/TDD (3600.0 - 3800.0 MHz) Band 44, E-UTRA/TDD (703.0 - 803.0 MHz) Band 45, E-UTRA/FDD (1447.0 - 1467.0 MHz) Band 46, E-UTRA/FDD (5150.0 - 5925.0 MHz) Band 47, E-UTRA/TDD (5855.0 - 5925.0 MHz) Band 48, E-UTRA/TDD (3550.0 - 3700.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	E-UTRA Test Model 3.1 (E-TM3.1) Bandwidth: 20 MHz Clipping 44 %
Bandwidth:	20.0 MHz
Integration Time:	30.0 ms

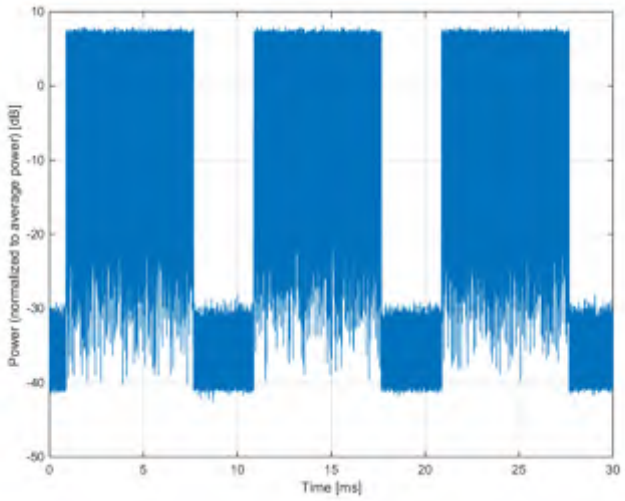
[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)'"
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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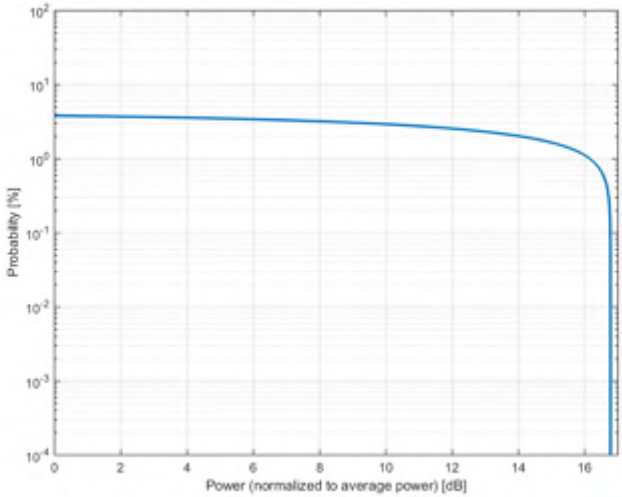
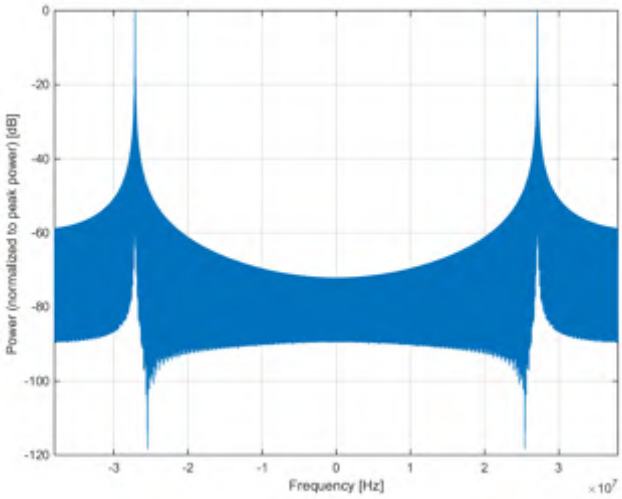
Name:	**27.12MHz Sinewave, 4.2% Duty Cycle**
Group:	MRI
UID:	10656-AAB
PAR: [1]	**16.77 dB**
MIF: [2]	**2.54 dB**
Standard Reference:	SPEAG
Category:	Random amplitude modulation
Modulation:	CW
Frequency Band:	MRI 1.5T (59.0 - 69.0 MHz) MRI 3T (123.0 - 133.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	27.12MHz Sinewave, 42us on, 1ms period
Bandwidth:	54.2 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)"'

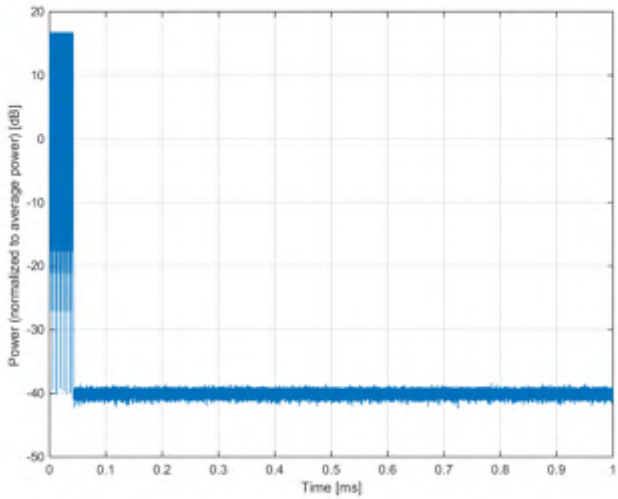
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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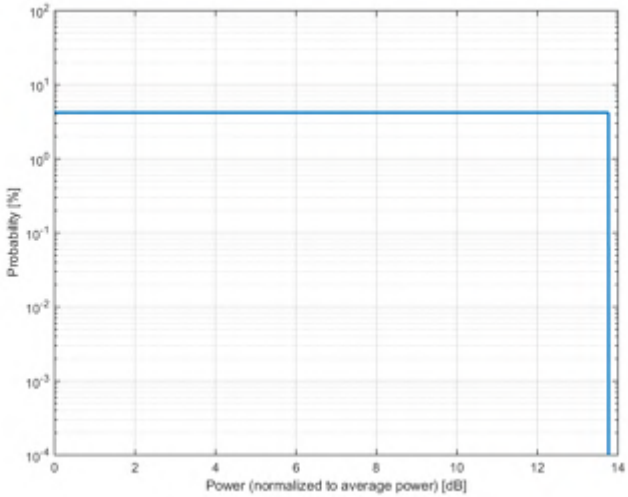
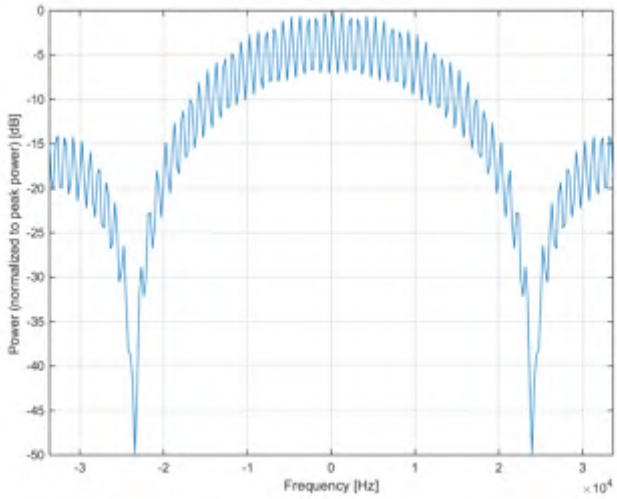
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name:	**Pulse, 42us on, 1ms period**
Group:	MRI
UID:	10657-AAA
PAR: [1]	**13.77 dB**
MIF: [2]	**3.05 dB**
Standard Reference:	SPEAG
Category:	Random amplitude modulation
Modulation:	CW
Frequency Band:	MRI 1.5T (59.0 - 69.0 MHz) MRI 3T (123.0 - 133.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Pulse, 42us on, 1ms period
Bandwidth:	0.0 MHz
Integration Time:	1.0 ms

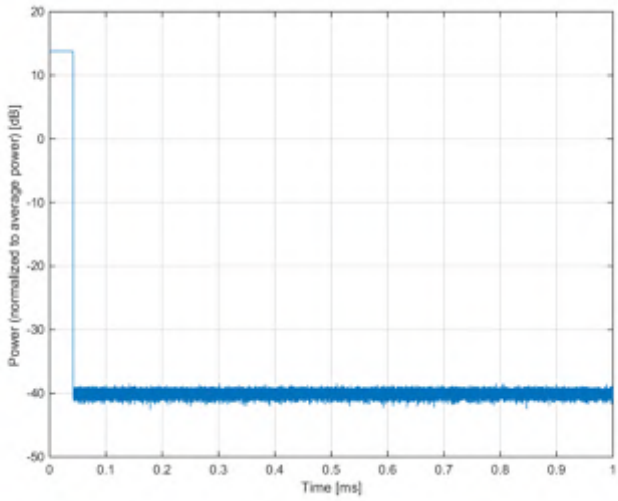
1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)'"
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



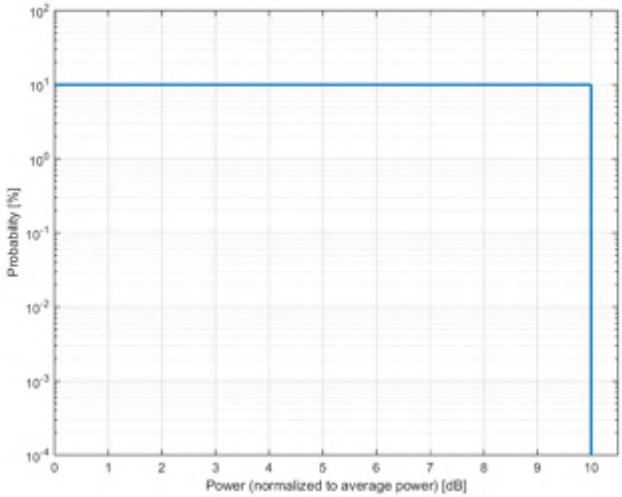
Time Domain

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

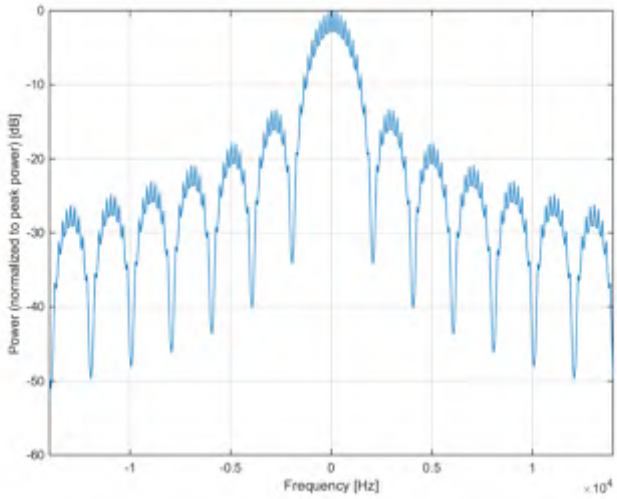
Name:	**Pulse Waveform (200Hz, 10%)**
Group:	Test
UID:	10658-AAA
PAR: [1]	**10.00 dB**
MIF: [2]	**4.05 dB**
Standard Reference:	SPEAG
Category:	Periodic pulsed modulation
Modulation:	AM
Frequency Band:	MRI 1.5T (59.0 - 69.0 MHz) MRI 3T (123.0 - 133.0 MHz) D300 (300.0 MHz) D400 (400.0 MHz) D450 (450.0 MHz) D600V3 (600.0 MHz) D750 (750.0 MHz) D835 (835.0 MHz) D900 (900.0 MHz) D1450 (1450.0 MHz) D1500 (1500.0 MHz) D1640 (1640.0 MHz) D1750 (1750.0 MHz) D1765 (1765.0 MHz) D1800 (1800.0 MHz) D1900 (1900.0 MHz) D1950 (1950.0 MHz) D2000 (2000.0 MHz) D2100 (2100.0 MHz) D2300 (2300.0 MHz) D2450 (2450.0 MHz) D2550V2 (2250.0 MHz) D2600 (2600.0 MHz) D3000 (3000.0 MHz) D3300V2 (3300.0 MHz) D3500 (3500.0 MHz) D3700 (3700.0 MHz) D5GHz (5000.0 - 6000.0 MHz) CD700 (700.0 MHz) CD835 (835.0 MHz) CD1880 (1880.0 MHz) CD2150 (2150.0 MHz) CD2450 (2450.0 MHz) CD2600V3 (2600.0 MHz) CD3500V3 (3500.0 MHz) CD5500V3 (5500.0 MHz) ITD700 (700.0 MHz) ITD835 (835.0 MHz) ITD1880 (1880.0 MHz) ITD2150 (2150.0 MHz) ITD2600 (2600.0 MHz) ITD3500 (3500.0 MHz) ITD5500 (5000.0 - 5900.0 MHz) CLA30 (30.0 MHz) CLA64 (64.0 MHz) CLA128 (128.0 MHz) CLA150 (150.0 MHz) CLA220 (220.0 MHz) FullSpan (0.0 - 6000.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Frequency: 200Hz Duty Cycle: 10%
Bandwidth:	0.0 MHz
Integration Time:	10.0 ms

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

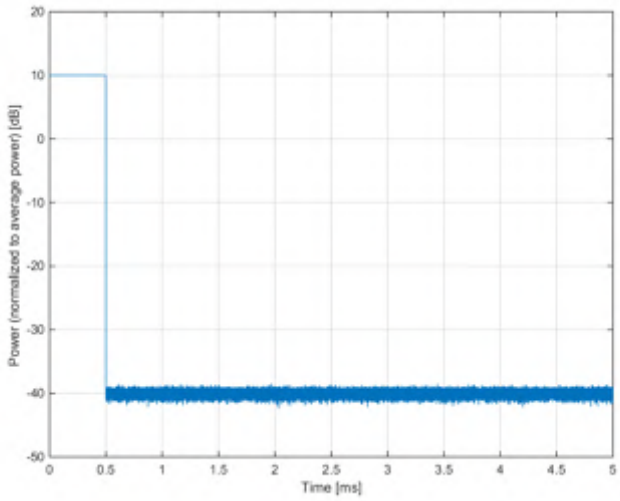
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



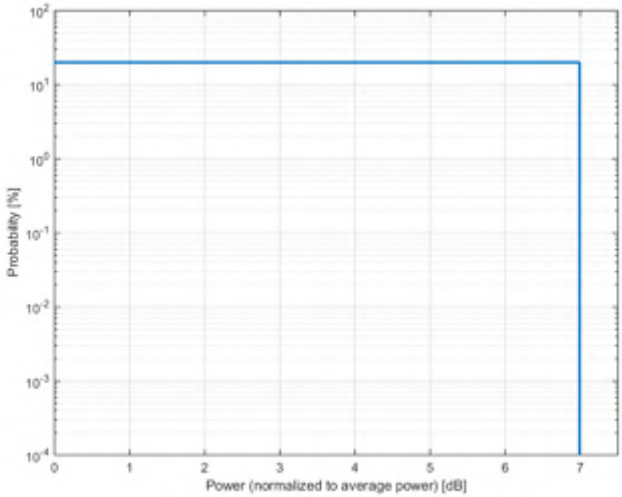
Time Domain

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

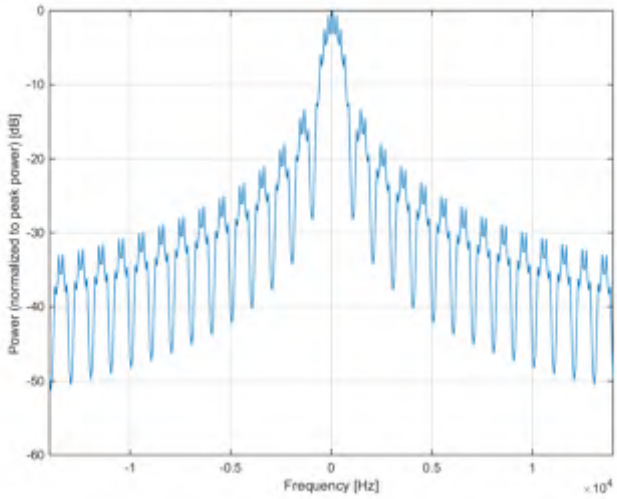
Name:	**Pulse Waveform (200Hz, 20%)**
Group:	Test
UID:	10659-AAA
PAR: [1]	**6.99 dB**
MIF: [2]	**1.53 dB**
Standard Reference:	SPEAG
Category:	Periodic pulsed modulation
Modulation:	AM
Frequency Band:	MRI 1.5T (59.0 - 69.0 MHz) MRI 3T (123.0 - 133.0 MHz) D300 (300.0 MHz) D400 (400.0 MHz) D450 (450.0 MHz) D600V3 (600.0 MHz) D750 (750.0 MHz) D835 (835.0 MHz) D900 (900.0 MHz) D1450 (1450.0 MHz) D1500 (1500.0 MHz) D1640 (1640.0 MHz) D1750 (1750.0 MHz) D1765 (1765.0 MHz) D1800 (1800.0 MHz) D1900 (1900.0 MHz) D1950 (1950.0 MHz) D2000 (2000.0 MHz) D2100 (2100.0 MHz) D2300 (2300.0 MHz) D2450 (2450.0 MHz) D2550V2 (2250.0 MHz) D2600 (2600.0 MHz) D3000 (3000.0 MHz) D3300V2 (3300.0 MHz) D3500 (3500.0 MHz) D3700 (3700.0 MHz) D5GHz (5000.0 - 6000.0 MHz) CD700 (700.0 MHz) CD835 (835.0 MHz) CD1880 (1880.0 MHz) CD2150 (2150.0 MHz) CD2450 (2450.0 MHz) CD2600V3 (2600.0 MHz) CD3500V3 (3500.0 MHz) CD5500V3 (5500.0 MHz) ITD700 (700.0 MHz) ITD835 (835.0 MHz) ITD1880 (1880.0 MHz) ITD2150 (2150.0 MHz) ITD2600 (2600.0 MHz) ITD3500 (3500.0 MHz) ITD5500 (5000.0 - 5900.0 MHz) CLA30 (30.0 MHz) CLA64 (64.0 MHz) CLA128 (128.0 MHz) CLA150 (150.0 MHz) CLA220 (220.0 MHz) FullSpan (0.0 - 6000.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Frequency: 200Hz Duty Cycle: 20%
Bandwidth:	0.0 MHz
Integration Time:	10.0 ms

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

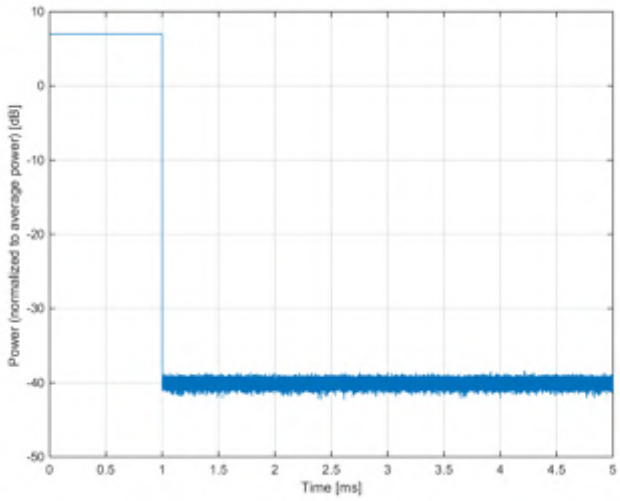
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



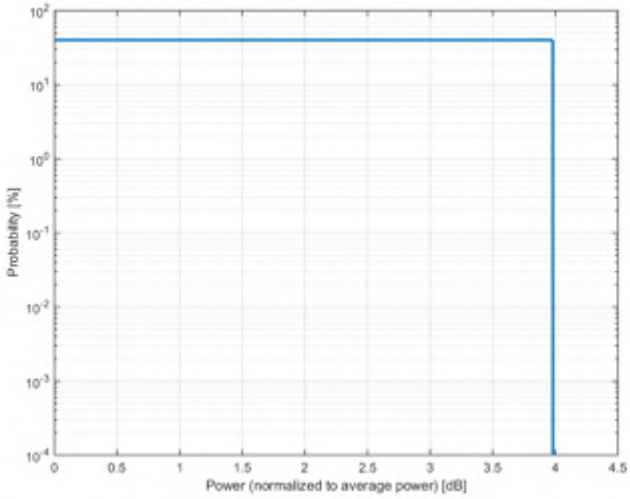
Time Domain

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

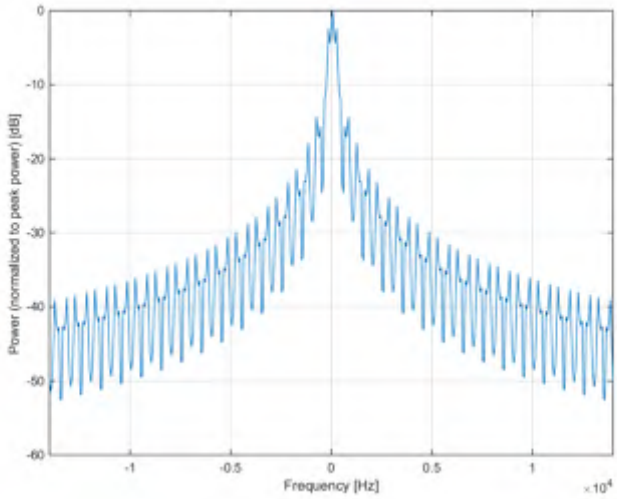
Name:	**Pulse Waveform (200Hz, 40%)**
Group:	Test
UID:	10660-AAA
PAR: [1]	**3.98 dB**
MIF: [2]	**-1.62 dB**
Standard Reference:	SPEAG
Category:	Periodic pulsed modulation
Modulation:	AM
Frequency Band:	MRI 1.5T (59.0 - 69.0 MHz) MRI 3T (123.0 - 133.0 MHz) D300 (300.0 MHz) D400 (400.0 MHz) D450 (450.0 MHz) D600V3 (600.0 MHz) D750 (750.0 MHz) D835 (835.0 MHz) D900 (900.0 MHz) D1450 (1450.0 MHz) D1500 (1500.0 MHz) D1640 (1640.0 MHz) D1750 (1750.0 MHz) D1765 (1765.0 MHz) D1800 (1800.0 MHz) D1900 (1900.0 MHz) D1950 (1950.0 MHz) D2000 (2000.0 MHz) D2100 (2100.0 MHz) D2300 (2300.0 MHz) D2450 (2450.0 MHz) D2550V2 (2250.0 MHz) D2600 (2600.0 MHz) D3000 (3000.0 MHz) D3300V2 (3300.0 MHz) D3500 (3500.0 MHz) D3700 (3700.0 MHz) D5GHz (5000.0 - 6000.0 MHz) CD700 (700.0 MHz) CD835 (835.0 MHz) CD1880 (1880.0 MHz) CD2150 (2150.0 MHz) CD2450 (2450.0 MHz) CD2600V3 (2600.0 MHz) CD3500V3 (3500.0 MHz) CD5500V3 (5500.0 MHz) ITD700 (700.0 MHz) ITD835 (835.0 MHz) ITD1880 (1880.0 MHz) ITD2150 (2150.0 MHz) ITD2600 (2600.0 MHz) ITD3500 (3500.0 MHz) ITD5500 (5000.0 - 5900.0 MHz) CLA30 (30.0 MHz) CLA64 (64.0 MHz) CLA128 (128.0 MHz) CLA150 (150.0 MHz) CLA220 (220.0 MHz) FullSpan (0.0 - 6000.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Frequency: 200Hz Duty Cycle: 40%
Bandwidth:	0.0 MHz
Integration Time:	10.0 ms

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

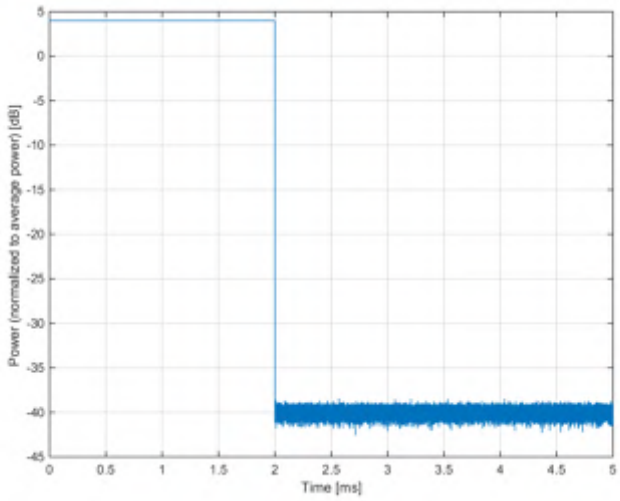
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



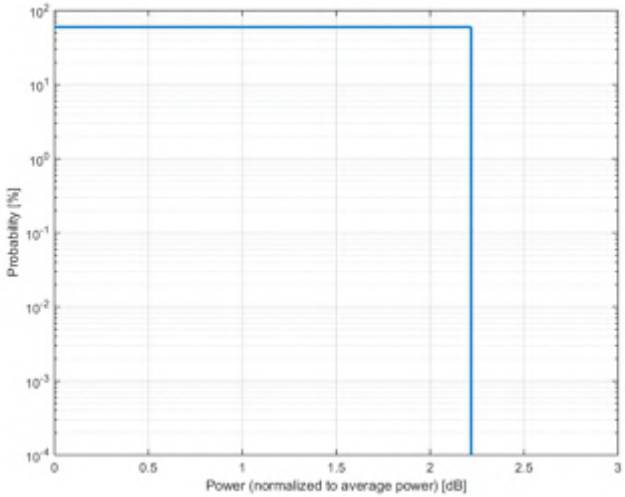
Time Domain

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

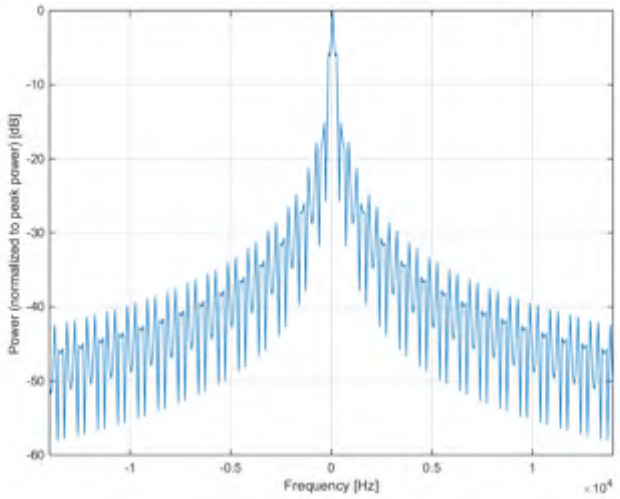
Name:	**Pulse Waveform (200Hz, 60%)**
Group:	Test
UID:	10661-AAA
PAR: [1]	**2.22 dB**
MIF: [2]	**-3.39 dB**
Standard Reference:	SPEAG
Category:	Periodic pulsed modulation
Modulation:	AM
Frequency Band:	MRI 1.5T (59.0 - 69.0 MHz) MRI 3T (123.0 - 133.0 MHz) D300 (300.0 MHz) D400 (400.0 MHz) D450 (450.0 MHz) D600V3 (600.0 MHz) D750 (750.0 MHz) D835 (835.0 MHz) D900 (900.0 MHz) D1450 (1450.0 MHz) D1500 (1500.0 MHz) D1640 (1640.0 MHz) D1750 (1750.0 MHz) D1765 (1765.0 MHz) D1800 (1800.0 MHz) D1900 (1900.0 MHz) D1950 (1950.0 MHz) D2000 (2000.0 MHz) D2100 (2100.0 MHz) D2300 (2300.0 MHz) D2450 (2450.0 MHz) D2550V2 (2250.0 MHz) D2600 (2600.0 MHz) D3000 (3000.0 MHz) D3300V2 (3300.0 MHz) D3500 (3500.0 MHz) D3700 (3700.0 MHz) D5GHz (5000.0 - 6000.0 MHz) CD700 (700.0 MHz) CD835 (835.0 MHz) CD1880 (1880.0 MHz) CD2150 (2150.0 MHz) CD2450 (2450.0 MHz) CD2600V3 (2600.0 MHz) CD3500V3 (3500.0 MHz) CD5500V3 (5500.0 MHz) ITD700 (700.0 MHz) ITD835 (835.0 MHz) ITD1880 (1880.0 MHz) ITD2150 (2150.0 MHz) ITD2600 (2600.0 MHz) ITD3500 (3500.0 MHz) ITD5500 (5000.0 - 5900.0 MHz) CLA30 (30.0 MHz) CLA64 (64.0 MHz) CLA128 (128.0 MHz) CLA150 (150.0 MHz) CLA220 (220.0 MHz) FullSpan (0.0 - 6000.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Frequency: 200Hz Duty Cycle: 60%
Bandwidth:	0.0 MHz
Integration Time:	10.0 ms

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

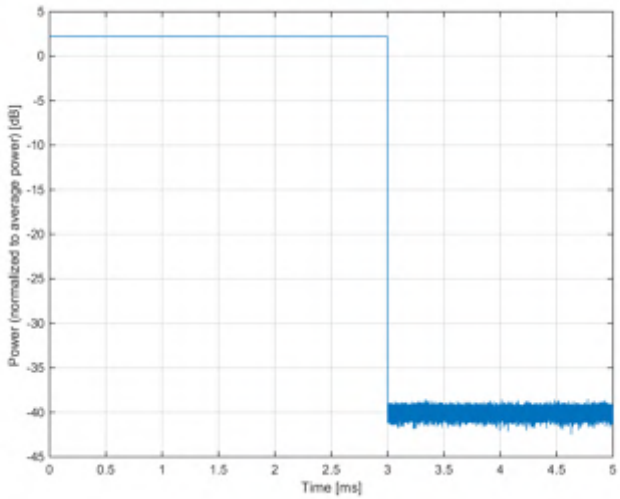
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



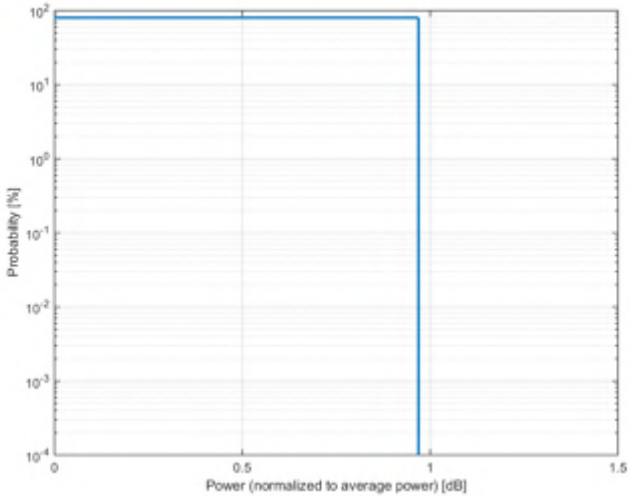
Time Domain

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

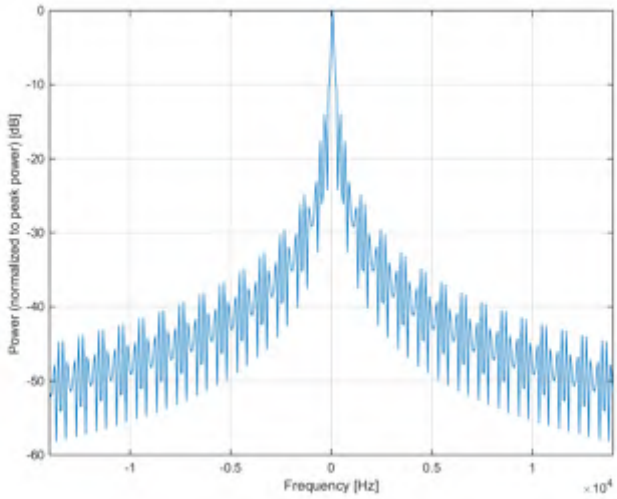
Name:	**Pulse Waveform (200Hz, 80%)**
Group:	Test
UID:	10662-AAA
PAR: [1]	**0.97 dB**
MIF: [2]	**-4.50 dB**
Standard Reference:	SPEAG
Category:	Periodic pulsed modulation
Modulation:	AM
Frequency Band:	MRI 1.5T (59.0 - 69.0 MHz) MRI 3T (123.0 - 133.0 MHz) D300 (300.0 MHz) D400 (400.0 MHz) D450 (450.0 MHz) D600V3 (600.0 MHz) D750 (750.0 MHz) D835 (835.0 MHz) D900 (900.0 MHz) D1450 (1450.0 MHz) D1500 (1500.0 MHz) D1640 (1640.0 MHz) D1750 (1750.0 MHz) D1765 (1765.0 MHz) D1800 (1800.0 MHz) D1900 (1900.0 MHz) D1950 (1950.0 MHz) D2000 (2000.0 MHz) D2100 (2100.0 MHz) D2300 (2300.0 MHz) D2450 (2450.0 MHz) D2550V2 (2250.0 MHz) D2600 (2600.0 MHz) D3000 (3000.0 MHz) D3300V2 (3300.0 MHz) D3500 (3500.0 MHz) D3700 (3700.0 MHz) D5GHz (5000.0 - 6000.0 MHz) CD700 (700.0 MHz) CD835 (835.0 MHz) CD1880 (1880.0 MHz) CD2150 (2150.0 MHz) CD2450 (2450.0 MHz) CD2600V3 (2600.0 MHz) CD3500V3 (3500.0 MHz) CD5500V3 (5500.0 MHz) ITD700 (700.0 MHz) ITD835 (835.0 MHz) ITD1880 (1880.0 MHz) ITD2150 (2150.0 MHz) ITD2600 (2600.0 MHz) ITD3500 (3500.0 MHz) ITD5500 (5000.0 - 5900.0 MHz) CLA30 (30.0 MHz) CLA64 (64.0 MHz) CLA128 (128.0 MHz) CLA150 (150.0 MHz) CLA220 (220.0 MHz) FullSpan (0.0 - 6000.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Frequency: 200Hz Duty Cycle: 80%
Bandwidth:	0.0 MHz
Integration Time:	10.0 ms

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

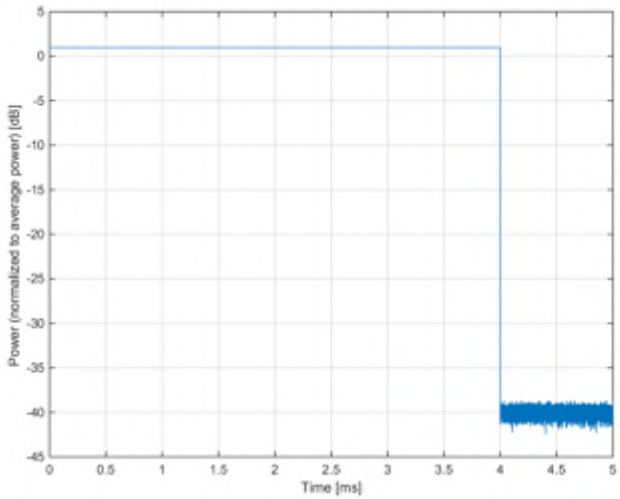
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain