



# **TEST REPORT**

# No.I22N01112-HAC RF

For

Shenzhen Tinno Mobile Technology Corp.

**Smart Phone** 

Model Name: U328AA

With

Hardware Version: V1.0

Software Version: U328AAV01.08.10

FCC ID: XD6U328AA

**Results Summary: M Category = M4** 

Issued Date: 2022-07-28

**Designation Number: CN1210** 

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of SAICT.

### **Test Laboratory:**

SAICT, Shenzhen Academy of Information and Communications Technology

Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, P. R. China 518000.

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# **REPORT HISTORY**

Report Number	Revision	Description	Issue Date
I22N01112-HAC RF	Rev.0	1st edition	2022-07-28



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# 1. Summary of Test Report

### 1.1. Test Items

Description:

Smart Phone

Model Name:

U328AA

Applicant's Name:

Shenzhen Tinno Mobile Technology Corp.

Manufacturer's Name:

Shenzhen Tinno Mobile Technology Corp.

# 1.2. Test Standards

ANSI C63.19-2011

### 1.3. Test Result

Pass

# 1.4. Testing Location

Address: Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, P. R. China

### 1.5. Project Data

Testing Start Date: 2022-07-28

Testing End Date: 2022-07-28

1.6. Signature

Li Yongfu

(Prepared this test report)

Zhang Yunzhuan

(Reviewed this test report)

Cao Junfei

(Approved this test report)



# 2. Client Information

# 2.1. Applicant Information

Company Name:	Shenzhen Tinno Mobile Technology Corp.
Address:	27-001, South Side of Tianlong Mobile Headquarters Building, Tongfa
South Road, Xili Community, Xili Street, Nanshan District, Shenzhen,	
City:	Shenzhen
Country:	China
Telephone:	+86 0755-86095550

# 2.2. Manufacturer Information

Company Name:	Shenzhen Tinno Mobile Technology Corp.
Addross:	27-001, South Side of Tianlong Mobile Headquarters Building, Tongfa
Address: South Road, Xili Community, Xili Street, Nanshan District, Shenzhen,	
City:	Shenzhen
Country:	China
Telephone:	+86 0755-86095550



# 3. Equipment under Test (EUT) and Ancillary Equipment (AE)

### 3.1. About EUT

Description:	Smart Phone
Mode Name:	U328AA
Condition of EUT as received:	No obvious damage in appearance
Fraguency Panda:	WCDMA Band 2/4/5, LTE Band 2/4/5/12/14/30,
Frequency Bands:	Bluetooth, WLAN 2.4GHz, WLAN 5GHz

# 3.2. Internal Identification of EUT used during the test

EUT ID*	IMEI	HW Version	SW Version	Receipt Date
UT07aa	866913060004006	V1.0	U328AAV01.08.10	2022-06-06

<sup>\*</sup>EUT ID: is used to identify the test sample in the lab internally.

# 3.3. Internal Identification of AE used during the test

AE ID*	Description	ption Model Manufacturer			
AE1 Battery LT25H426271P		LT25H426271P	Guangdong Fenghua New Energy Co.,Ltd.		
AE2	AE2 Battery LT25H426271W		Ningbo Veken Battery Co., Ltd.		

<sup>\*</sup>AE ID: is used to identify the test sample in the lab internally.

# 3.4. Air Interfaces / Bands Indicating Operating Modes

Air-interface	Band(MHz)	Туре	C63.19 / tested	Simultaneous Transmissions	Name of Voice Service	Power Reduction
WCDMA	B2 / B4/ B5	VO	Yes	BT,WLAN	CMRS Voice	No
VVCDIVIA	HSPA	HSPA VD Yes BT,WLAN		Google Duo	No	
LTE (FDD)	2/4/5/12/14/30	VD	Yes	BT,WLAN	VoLTE, Google Duo	No
WLAN	2.4GHz/5GHz	VD	Yes	WWAN	VoWIFI Google Duo	No
Bluetooth	2.4GHz	DT	No	WWAN	NA	No

VO: Voice CMRS/PSTN Service Only

VD: Voice CMRS/PSTN and Data Service

DT: Digital Transport

<sup>\*</sup> HAC Rating was not based on concurrent voice and data modes; Non-current mode was found to represent worst case rating for both M and T rating



# 4. Reference Documents

The following document listed in this section is referred for testing.

Reference	Title			
	American National Standard for Methods of Measurement of			
ANSI C63.19-2011	Compatibility between Wireless Communication Devices and	2011		
	Hearing Aids			
KDB 205076 D04	Equipment Authorization Guidance for Hearing Aid	v05r01		
KDB 285076 D01	Compatibility	V05101		
	Guidance for performing T-Coil tests for air interfaces			
KDB 285076 D02	supporting voice over IP (e.g., LTE and WiFi) to support CMRS	v03r01		
	based telephone services			



# 5. Modulation Interference Factor (MIF)

The HAC Standard ANSI C63.19-2011 defines a new scaling using the Modulation Interference Factor (MIF) which replaces the need for the Articulation Weighting Factor (AWF) during the evaluation and is applicable to any modulation scheme.

The Modulation Interference factor (MIF, in dB) is added to the measured average E-field (in dBV/m) and converts it to the RF Audio Interference level (in dBV/m). This level considers the audible amplitude modulation components in the RF E-field. CW fields without amplitude modulation are assumed to not interfere with the hearing aid electronics. Modulations without time slots and low fluctuations at low frequencies have low MIF values, TDMA modulations with narrow transmission and repetition rates of few 100 Hz have high MIF values and give similar classifications as ANSI C63-2007.

### **Definitions**

ER3D, E-field probes have a bandwidth <10 kHz and can therefore not evaluate the RF envelope in the full audio band. DASY52 is therefore using the "indirect" measurement method according to ANSI C63.19-2011 which is the primary method. These near field probes read the averaged E-field measurement. Especially for the new high peak-to-average (PAR) signal types, the probes shall be linearized by probe modulation response (PMR) calibration in order to not overestimate the field reading.

The evaluation method or the MIF is defined in ANSI C63.19-2011 section D.7. An RMS demodulated RF signal is fed to a spectral filter (similar to an A weighting filter) and forwarded to a temporal filter acting as a quasi-peak detector. The averaged output of these filtering is called to a 1 kHz 80% AM signal as reference. MIF measurement requires additional instrumentation and is not well suited for evaluation by the end user with reasonable uncertainty It may alternatively be determined through analysis and simulation, because it is constraint and characteristic for a communication signal. DASY52 uses well defined signals for PMR calibration. The MIF of these signals has been determined by simulation and is automatically applied.

MIF values were not tested by a probe or as specified in the standards but are based on analysis provided by SPEAG for all the air interfaces (GSM, WCDMA, CDMA, LTE). The data included in this report are for the worst case operating modes. The UIDs used are listed below:

UID	Communication System Name	MIF (dB)
10011	UMTS-FDD (WCDMA)	-27.23
10097	UMTS-FDD (HSDPA)	-20.75
10170	LTE-FDD(SC-FDMA, 1RB, 20MHz, 16-QAM)	-9.76
10176	LTE-FDD(SC-FDMA, 1RB, 10MHz, 16-QAM)	-9.76
10069	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	-3.15



A PMR calibrated probe is linearized for the selected waveform over the full dynamic range within the uncertainty specified in its calibration certificate. ER3D, EF3D and EU2D E-field probes have a bandwidth <10 kHz and can therefore not evaluate the RF envelope in the full audio band. DASY52 is therefore using the \indirect" measurement method according to ANSI C63.19-2011 which is the primary method. These near field probes read the averaged E-field measurement. Especially for the new high peak-to-average (PAR) signal types, the probes shall be linearized by PMR calibration in order to not overestimate the field reading.

The MIF measurement uncertainty is estimated as follows, for modulation frequencies from slotted waveforms with fundamental frequency and at least 2 harmonics within 10 kHz:

0.2 dB for MIF -7 to +5 dB, 0.5 dB for MIF -13 to +11 dB 1 dB for MIF > -20 dB



# 6. Evaluation for low-power exemption

# 6.1. Product testing threshold

There are two methods for exempting an RF air interface technology from testing. The first method requires evaluation of the MIF for the worst-case operating mode. An RF air interface technology of a device is exempt from testing when its average antenna input power plus its MIF is  $\leq$ 17 dBm for any of its operating modes. The second method does not require determination of the MIF. The RF emissions testing exemption shall be applied to an RF air interface technology in a device whose peak antenna input power, averaged over intervals  $\leq$ 50  $\mu$ s20, is  $\leq$ 23 dBm. An RF air interface technology that is exempted from testing by either method shall be rated as M4. The two methods are used to be exempt from testing for the RF air interface technology in this report.

# 6.2. Average conducted power

Band	power (dBm)	MIF (dB)	Sum (dBm)	HAC Test
WCDMA Band 2	24.0	-27.23	-3.23	No
WCDMA Band 2 - HSDPA	23.0	-20.75	2.25	No
WCDMA Band 4	24.0	-27.23	-3.23	No
WCDMA Band 4 - HSDPA	23.0	-20.75	2.25	No
WCDMA Band 5	24.5	-27.23	-2.73	No
WCDMA Band 5 - HSDPA	23.0	-20.75	2.25	No
LTE Band 2	24.5	-9.76	14.74	No
LTE Band 4	24.5	-9.76	14.74	No
LTE Band 5	25.0	-9.76	15.24	No
LTE Band 12	25.0	-9.76	15.24	No
LTE Band 14	25.0	-9.76	15.24	No
LTE Band 30	24.0	-9.76	14.24	No
WLAN 5G	18.5	-3.15	15.35	No

**Note:** Power = Max tune-up limit

### 6.3. Peak conducted power

Band	Peak output power (dBm)	HAC Test
WLAN 2.4G	21.69	No



# **ANNEX A: UID Specification**

### Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: UMTS-FDD (WCDMA)

Group: WCDMA UID: 10011-CAB

PAR: 1 **2.91 dB** MIF: 2 **-27.23 dB** 

Standard Reference: 3GPP TS 25.141 Annex A

FCC OET KDB 941225 D01 SAR test for 3G devices v02

Category: Random amplitude modulation

Modulation: QPSK

Frequency Band: Band 1, UTRA/FDD (1920.0-1980.0 MHz, 20000)

Band 2, UTRA/FDD (1850.0-1910.0 MHz, 20001) Band 3, UTRA/FDD (1710.0-1785.0 MHz, 20002) Band 4, UTRA/FDD (1710.0-1755.0 MHz, 20003) Band 5, UTRA/FDD (824.0-849.0 MHz, 20004) Band 6, UTRA/FDD (830.0-840.0 MHz, 20005) Band 7, UTRA/FDD (2500.0-2570.0 MHz, 20006) Band 8, UTRA/FDD (880.0-915.0 MHz, 20007) Band 9, UTRA/FDD (1749.9-1784.9 MHz, 20008) Band 10, UTRA/FDD (1710.0-1770.0 MHz, 20009) Band 11, UTRA/FDD (1427.9-1452.9 MHz, 20010) Band 12, UTRA/FDD (698.0-716.0 MHz, 20011) Band 13, UTRA/FDD (777.0-787.0 MHz, 20012) Band 14, UTRA/FDD (788.0-798.0 MHz, 20013) Band 19, UTRA/FDD (830.0-845.0 MHz, 20130) Band 20, UTRA/FDD (832.0-862.0 MHz, 20131) Band 21, UTRA/FDD (1447.9-1462.9 MHz, 20132) Band 22, UTRA/FDD (3410.0-3490.0 MHz, 20217)

Band 25, UTRA/FDD (1850.0-1915.0 MHz, 20218)

Band 26, UTRA/FDD (814.0-849.0 MHz, 20219)
Detailed Specification: Dedicated Channel Type: RMC

Bitrate: 12.2 kbps DPDCH: 60 kbps DPCCH: 15 kbps

DPCCH/DPDCH power ratio: -5.46 dB

Bandwidth: 5.0 MHz Integration Time: 100.0 ms

**UID Specification Sheet** 

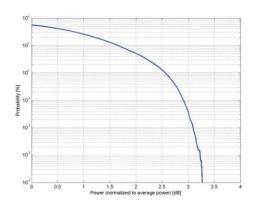
UID 10011-CAB page 1/2

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

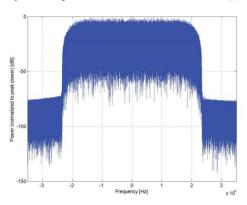
Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



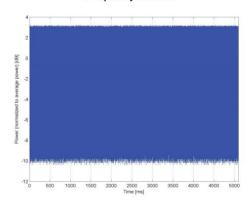
Calibration Laboratory of Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland



## Complementary Cumulative Distribution Function (CCDF)



### Frequency Domain



Time Domain

UID Specification Sheet

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### Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: UMTS-FDD (HSDPA)

Group: WCDMA UID: 10097-CAB

PAR: 1 3.98 dB MIF: 2 -20.75 dB

Standard Reference: ETSI-3GPP TS 134.121 Rel. 5

FCC OET KDB 941225 D01 SAR test for 3G devices v02

Category: Random amplitude modulation

Modulation: QPSK

Frequency Band: Band 1, UTRA/FDD (1920.0-1980.0 MHz, 20000)

Band 2, UTRA/FDD (1850.0-1910.0 MHz, 20001)
Band 3, UTRA/FDD (1710.0-1785.0 MHz, 20002)
Band 4, UTRA/FDD (1710.0-1755.0 MHz, 20003)
Band 5, UTRA/FDD (824.0-849.0 MHz, 20004)
Band 6, UTRA/FDD (830.0-840.0 MHz, 20005)
Band 7, UTRA/FDD (2500.0-2570.0 MHz, 20006)
Band 8, UTRA/FDD (880.0-915.0 MHz, 20007)
Band 9, UTRA/FDD (1749.9-1784.9 MHz, 20008)
Band 10, UTRA/FDD (1710.0-1770.0 MHz, 20009)
Band 11, UTRA/FDD (1427.9-1452.9 MHz, 20010)
Band 12, UTRA/FDD (698.0-716.0 MHz, 20011)

Band 11, UTRA/FDD (1427.9-1452.9 MHz, 20010)
Band 12, UTRA/FDD (698.0-716.0 MHz, 20011)
Band 13, UTRA/FDD (777.0-787.0 MHz, 20012)
Band 14, UTRA/FDD (788.0-798.0 MHz, 20013)
Band 19, UTRA/FDD (830.0-845.0 MHz, 20130)
Band 20, UTRA/FDD (832.0-862.0 MHz, 20131)
Band 21, UTRA/FDD (1447.9-1462.9 MHz, 20132)
Band 22, UTRA/FDD (3410.0-3490.0 MHz, 20217)
Band 25, UTRA/FDD (1850.0-1915.0 MHz, 20218)

Band 26, UTRA/FDD (814.0-849.0 MHz, 20219)

Detailed Specification: CQI value: 2

Sub-test 2 Conditions:

DPCCH gain factor (Beta\_c) = 12/15

DPDCH gain factor (Beta\_d): 15/15

Bandwidth: 5.0 MHz
Integration Time: 100.0 ms

**UID Specification Sheet** 

UID 10097-CAB page 1/2

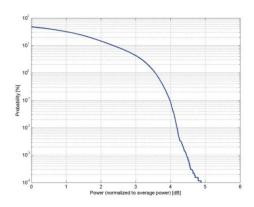
PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

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

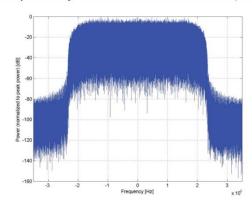


# **Calibration Laboratory of**

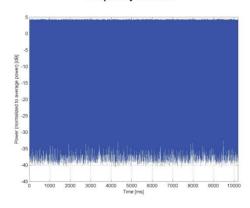
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## Complementary Cumulative Distribution Function (CCDF)



### Frequency Domain



Time Domain

UID Specification Sheet

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# Calibration Laboratory of

### Schmid & Partner **Engineering AG**

Name:

Zeughausstrasse 43, 8004 Zurich, Switzerland

LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)

Group: UID: LTE-FDD 10176-CAE

PAR: 1 MIF: 2 6.52dB -9.76 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 Random amplitude modulation

Category: Modulation: 16-QAM

Frequency Band:

Band 1, E-UTRA/FDD (1920.0 - 1980.0 MHz) Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz) Band 3, E-UTRA/FDD (1710.0 - 1785.0 MHz) Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz) Band 5, E-UTRA/FDD (824.0 - 849.0 MHz)

Band 5, E-UTRA/FDD (824.0 - 849.0 MHz) Band 6, E-UTRA/FDD (830.0 - 840.0 MHz) Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz) Band 8, E-UTRA/FDD (880.0 - 915.0 MHz) Band 9, E-UTRA/FDD (1749.9 - 1784.9 MHz) Band 10, E-UTRA/FDD (1710.0 - 1770.0 MHz) Band 11, E-UTRA/FDD (1427.9 - 1447.9 MHz) Band 12, E-UTRA/FDD (999.0 - 716.0 MHz) Band 13, E-UTRA/FDD (777.0 - 787.0 MHz) Band 14, E-UTRA/FDD (788.0 - 798.0 MHz) Band 17, E-UTRA/FDD (704.0 - 716.0 MHz) Band 18, E-UTRA/FDD (815.0 - 830.0 MHz) Band 19, E-UTRA/FDD (830.0 - 845.0 MHz) Band 20, E-UTRA/FDD (832.0 - 862.0 MHz) Band 21, E-UTRA/FDD (1447.9 - 1462.9 MHz)

Band 22, E-01 HA/FDD (1447,0 - 349,0 MHz) Band 23, E-UTRA/FDD (3410,0 - 349,0 MHz) Band 23, E-UTRA/FDD (2000,0 - 2020,0 MHz) Band 24, E-UTRA/FDD (1626,5 - 1660,5 MHz) Band 25, E-UTRA/FDD (1850,0 - 1915,0 MHz) Band 27 E-UTRA/FDD (807.0 - 824.0 MHz) Band 28 E-UTRA/FDD (703.0 - 748.0 MHz) Band 30, E-UTRA/FDD (2305.0 - 2315.0 MHz)
Band 65, E-UTRA/FDD (1920.0 - 2010.0 MHz)
Band 66, E-UTRA/FDD (1710.0 - 1780.0 MHz)
Band 68, E-UTRA/FDD (1710.0 - 1780.0 MHz)
Band 68, E-UTRA/FDD (698.0 - 728.0 MHz)
Band 70, E-

Band 71, E-UTRA/FDD (663.0 - 698.0 MHz) Validation band (0.0 - 6000.0 MHz)

Modulation Scheme: SC-FDMA Detailed Specification:

Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: QPSK Data Type: UL-SCH Number RB: 1

Transport Block Size: 256 TBS Index: 14 MCS Index: 15 Data Type: PN9 10.0 MHz 10.0 ms

**UID Specification Sheet** 

Bandwidth: Integration Time:

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27.07.2017

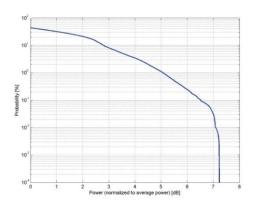
PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

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

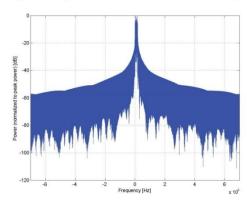


## Calibration Laboratory of

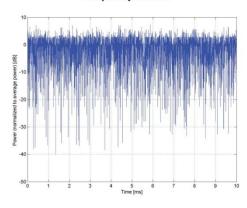
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### Complementary Cumulative Distribution Function (CCDF)



### Frequency Domain



Time Domain

UID Specification Sheet

UID 10176-CAE page 2/2

27.07.2017



## Calibration Laboratory of

# Schmid & Partner

Name:

Bandwidth: Integration Time:

Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland

LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)

LTE-FDD 10170-CAD Group: UID:

PAR: 1 MIF: 2 6.52dB -9.76 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 Random amplitude modulation

Category: Modulation:

16-QAM Frequency Band:

Random amplitude modulation
16-QAM
Band 1, E-UTRA/FDD (1920.0 - 1980.0 MHz)
Band 2, E-UTRA/FDD (1950.0 - 1910.0 MHz)
Band 3, E-UTRA/FDD (1950.0 - 1910.0 MHz)
Band 4, E-UTRA/FDD (1710.0 - 1785.0 MHz)
Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz)
Band 7, E-UTRA/FDD (1710.0 - 1775.0 MHz)
Band 9, E-UTRA/FDD (1740.9 - 1784.9 MHz)
Band 10, E-UTRA/FDD (1740.0 - 1770.0 MHz)
Band 20, E-UTRA/FDD (830.0 - 862.0 MHz)
Band 22, E-UTRA/FDD (3410.0 - 3490.0 MHz)
Band 23, E-UTRA/FDD (2000.0 - 2020.0 MHz)
Band 25, E-UTRA/FDD (1850.0 - 1915.0 MHz)
Band 26, E-UTRA/FDD (1900.0 - 2010.0 MHz)
Band 65, E-UTRA/FDD (1710.0 - 1780.0 MHz)
Band 66, E-UTRA/FDD (1920.0 - 2010.0 MHz)
Band 67, E-UTRA/FDD (683.0 - 698.0 MHz)
Band 70, E-UTRA/FDD (663.0 - 698.0 MHz)
Validation band (0.0 - 6000.0 MHz)

Detailed Specification:

Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 16QAM Data Type: UL-SCH Number RB: 1 Transport Block Size: 256

TBS Index: 14 MCS Index: 15 Data Type: PN9 20.0 MHz 10.0 ms

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27.07.2017

**UID Specification Sheet** 

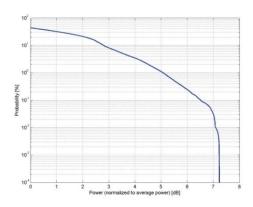
PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

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

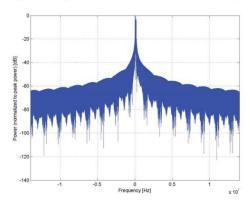


## Calibration Laboratory of

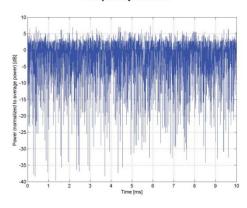
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### Complementary Cumulative Distribution Function (CCDF)



### Frequency Domain



Time Domain

UID Specification Sheet

UID 10170-CAD page 2/2

27.07.2017



### Calibration Laboratory of

Schmid & Partner

Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland

IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)

Group: UID: WLAN 10069-CAC

PAR: 1 10.56 dB

Standard Reference: IEEE 802.11a-1999 (R2003), Part 11

IEEE 802.11h-2003 , Part 11
FCC SAR meas for 802 11 a b g v01r02 (248227 D01)
Random amplitude modulation Category:

Modulation: Frequency Band:

64-QAM WLAN 5GHz (4915.0 - 5825.0 MHz)

WL-NII-1, U-NII-2A (5170 - 5330 MHz)
U-NII-1, U-NII-2C (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:

Data Rate: 54 Mbps Coding Rate: 3/4 Coded bits per subcarrier: 6 Coded bits per OFDM symbol: 288 Data bits per OFDM symbol: 216
PSDU Length: 1000 Bytes
PSDU Data: PN9
20.0 MHz
0.3 ms

Bandwidth: Integration Time:

**UID Specification Sheet** 

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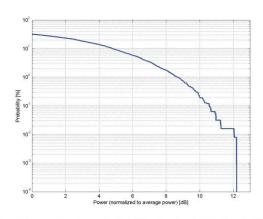
23.11.2017

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

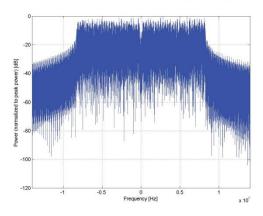
Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



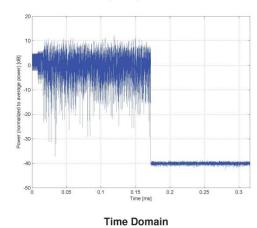
Calibration Laboratory of Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland



### Complementary Cumulative Distribution Function (CCDF)



### Frequency Domain



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\*\*\*END OF REPORT\*\*\*

**UID Specification Sheet**