

# EU TYPE EXAMINATION CERTIFICATE

Issue Date: February 13, 2023

**Applicant:**

DOKE COMMUNICATION (HK) LIMITED.  
RM 1902 EASEY COMM BLDG 253-261 HENNESSY  
ROAD WANCHAI HK CHINA

**Manufacturer:**

Shenzhen DOKE Electronic Co.,Ltd.  
801, Building3, 7th Industrial Zone, Yulv  
Community, Yutang Road, Guangming  
District, Shenzhen, China.

**Model Number/Name:** A53

**Product Description:** Smart phone

**Serial Number:** N/A

**Hardware version:** HCT-M659MB-A2

**Software version:** A53\_EEA\_M659\_V1.0

**Frequency Band(s):**

BT: 2402MHz~2480MHz; Wi-Fi 2.4G: 2412MHz~2472MHz;

Wi-Fi 5.2G: 5180MHz~5240MHz; Wi-Fi 5.8G: 5745MHz~5825MHz

GSM/GPRS/EGPRS 900: Uplink 880MHz~915MHz; Downlink 925MHz~960MHz

GSM/GPRS/EGPRS 1800 : Uplink 1710MHz~1785MHz; Downlink 1805MHz~1880MHz

WCDMA Band 1 : Uplink 1920MHz~1980MHz; Downlink 2110MHz~2170MHz

WCDMA Band 8 : Uplink 880MHz~915MHz; Downlink 925MHz~960MHz

FDD-LTE Band 1 : Uplink 1920MHz~1980MHz; Downlink 2110MHz~2170MHz

FDD-LTE Band 3 : Uplink 1710MHz~1785MHz; Downlink 1805MHz~1880MHz

FDD-LTE Band 7 : Uplink 2500MHz~2570MHz; Downlink 2620MHz~2690MHz

FDD-LTE Band 8 : Uplink 880MHz~915MHz; Downlink 925MHz~960MHz

FDD-LTE Band 20 : Uplink 832MHz~862MHz; Downlink 791MHz~821MHz

TDD-LTE Band 40 : Uplink 2300MHz~2400MHz; Downlink 2300MHz~2400MHz

FM Receiver: 87.5MHz~108MHz; GPS Receiver: 1.57542GHz

**Transmit Power Range(s):**

BT(EDR): 8.73dBm; BT(BLE): -4.96dBm; Wi-Fi 2.4G: 15.68dBm;

Wi-Fi 5.2G: 10.02dBm; Wi-Fi 5.8G: 10.95dBm;

GSM 900: 32.62dBm; GSM 1800: 30.51dBm;

WCDMA Band 1: 23.72dBm; WCDMA Band 8: 23.54dBm;

FDD-LTE Band 1: 24.71dBm; FDD-LTE Band 3: 24.71dBm; FDD-LTE Band 7: 24.99dBm;

FDD-LTE Band 8: 24.27dBm; FDD-LTE Band 20: 24.15dBm; TDD-LTE Band 40: 23.72dBm

**Modulation Type(s):**

BT(EDR): GFSK,  $\pi/4$ -DQPSK, 8-DPSK; BT(BLE): GFSK; Wi-Fi: DSSS/OFDM;

GSM: GMSK/8-PSK ; WCDMA: QPSK; LTE: QPSK/16QAM; FM: FM; GPS: BPSK;

**Channel Spacing(s):**

BT(BR+EDR): 1MHz; BT(BLE): 2MHz; Wi-Fi 2.4G: 5MHz; Wi-Fi 5G: 20MHz; GSM: 0.2MHz;

WCDMA: 0.2MHz; FM: 0.1MHz; LTE: 0.1MHz;

**Duty Cycle:** N/A

**Microprocessor Model Number(s):** MT6631; MT6765; MT6177; MT6357; MT6371

**Antenna Type(s) and Gain(s):**

PIFA Antenna: BT/ Wi-Fi 2.4G: 1.0dBi; Wi-Fi 5G: 1.0dBi

GSM900: 0.7 dBi; DCS1800: 0.7 dBi WCDMA

Band I: 0.7; Band VIII:0.7 dBi;

LTE: 0.6 dBi

FM: Use earphone as Antenna

Essential Requirement		Applied Specifications/Standards	Documentary Evidence	Result
Art. 3.1(a)	Safety	EN 62368-1:2014+A11:2017	Test Report	Pass
Art. 3.1 (a)	Health	EN 50360:2017 EN 50566:2017 EN 62209-1:2016 EN 62209-2:2010 EN 62479:2010	Test Report	Pass
Art. 3.1(b)	EMC	ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-3 V2.1.1 (2019-03) ETSI EN 301 489-17 V3.2.4 (2020-09) ETSI EN 301 489-19 V2.1.1 (2019-04) ETSI EN 301 489-52 V1.2.1 (2021-11) EN 55032:2015+A1:2020 EN 55035:2017+A11:2020 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A2:2021	Test Report	Pass
Art. 3.2	Radio	ETSI EN 301 511 V12.5.1 (2017-03) ETSI EN 301 908-1 V13.1.1 (2019-11) ETSI EN 301 908-2 V13.1.1 (2020-06) ETSI EN 301 908-13 V13.2.1 (2022-02) ETSI EN 300 328 V2.2.2 (2019-07) ETSI EN 301 893 V2.1.1 (2017-05) ETSI EN 300 440 V2.2.1 (2018-07) ETSI EN 303 345-1 V1.1.1 (2019-06) ETSI EN 303 345-3 V1.1.1 (2021-06) ETSI EN 303 413 V1.2.1 (2021-04)	Test Report	Pass
Art. 3.3(g)	Emergency Service	N/A	N/A	N/A

**Examination Result:** Based on the reports provided and the information therein, the equipment referenced above is compliant to these specifications.

The scope of evaluation relates to the submitted documents only.

This Certificate is issued in accordance with Annex III, Module B, of the RE directive 2014/53/EU of 16 April 2014 and is only valid in conjunction with the attached Annex.



Tom Zhang

Technical Reviewer

REDCA Program, Eurofins Electrical and Electronic Testing NA, Inc.

**Project Number: 2176-2-2023-125322**

**Technical Construction File (TCF) Detail**

<i>To demonstrate conformity with Article 3.1(a) Health</i>		
Applied Standards		
EN 50360:2017		
EN 50566:2017		
EN 62209-1:2016		
EN 62209-2:2010		
EN 62479:2010		
Report or Certificate No.	Issue Date	Issued by
STR221216001012E	02/01/2023	Shenzhen NTEK Testing Technology Co., Ltd.
<i>To demonstrate conformity with Article 3.1(a) Safety</i>		
Applied Standards		
EN 62368-1:2014+A11:2017		
Report or Certificate No.	Issue Date	Issued by
STS221216001001E	01/12/2023	Shenzhen NTEK Testing Technology Co., Ltd.
<i>To demonstrate conformity with Article 3.1(b) EMC</i>		
Applied Standards		
ETSI EN 301 489-1 V2.2.3 (2019-11)		
ETSI EN 301 489-3 V2.1.1 (2019-03)		
ETSI EN 301 489-17 V3.2.4 (2020-09)		
ETSI EN 301 489-19 V2.1.1 (2019-04)		
ETSI EN 301 489-52 V1.2.1 (2021-11)		
EN 55032:2015+A1:2020		
EN 55035:2017+A11:2020		
EN IEC 61000-3-2:2019+A1:2021		
EN 61000-3-3:2013+A2:2021		
Report or Certificate No.	Issue Date	Issued by
STR221216001011E	01/11/2023	Shenzhen NTEK Testing Technology Co., Ltd.
<i>To demonstrate conformity with Article 3.2 Spectrum Efficiency</i>		
Applied Standards		
ETSI EN 301 511 V12.5.1 (2017-03)		
ETSI EN 301 908-1 V13.1.1 (2019-11)		
ETSI EN 301 908-2 V13.1.1 (2020-06)		
ETSI EN 301 908-13 V13.2.1 (2022-02)		
ETSI EN 300 328 V2.2.2 (2019-07)		
ETSI EN 301 893 V2.1.1 (2017-05)		
ETSI EN 300 440 V2.2.1 (2018-07)		
ETSI EN 303 345-1 V1.1.1 (2019-06)		
ETSI EN 303 345-3 V1.1.1 (2021-06)		
ETSI EN 303 413 V1.2.1 (2021-04)		
Report or Certificate No.	Issue Date	Issued by
STR221216001006E	01/11/2023	Shenzhen NTEK Testing Technology Co., Ltd.
STR221216001007E	01/11/2023	Shenzhen NTEK Testing Technology Co., Ltd.
STR221216001008E	01/11/2023	Shenzhen NTEK Testing Technology Co., Ltd.
STR221216001001E	01/11/2023	Shenzhen NTEK Testing Technology Co., Ltd.
STR221216001002E	01/11/2023	Shenzhen NTEK Testing Technology Co., Ltd.
STR221216001003E	01/11/2023	Shenzhen NTEK Testing Technology Co., Ltd.
STR221216001004E	01/11/2023	Shenzhen NTEK Testing Technology Co., Ltd.

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STR221216001010E	01/11/2023	Shenzhen NTEK Testing Technology Co., Ltd.
STR221216001009E	01/11/2023	Shenzhen NTEK Testing Technology Co., Ltd.
<i>To demonstrate conformity with Article 3.3 Emergency Service</i>		
Applied Standards		
N/A		
Report or Certificate No.	Issue Date	Issued by
N/A	N/A	N/A

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