

# EU TYPE EXAMINATION CERTIFICATE

Issue Date: Decemeber 10, 2021

**Applicant:**

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

**Manufacturer:**

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

**Model Number/Name: A50**

**Product Description:** Mobile Phone

**Serial Number:** N/A

**Hardware version:** S654\_V1

**Software version:** A50\_EEA\_S654\_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 & Downlink: 2300 MHz to 2400 MHz

FM Receiver: 87.5MHz~108MHz

GPS Receiver: 1.57542GHz

**Transmit Power Range(s):**

BT(EDR): 7.07dBm; BT(BLE):  
1.62dBm; Wi-Fi 2.4G: 15.75dBm;  
Wi-Fi 5.2G: 10.59dBm; Wi-Fi 5.8G: 10.27dBm;  
GSM 900: 32.01dBm; GSM 1800: 30.25dBm;  
WCDMA Band 1: 22.51dBm; WCDMA Band 8: 22.33dBm;  
FDD-LTE Band 1: 23.04dBm; FDD-LTE Band 3: 21.59dBm;  
FDD-LTE Band 7: 23.55dBm; FDD-LTE Band 8: 22.63dBm; FDD-LTE Band 20: 22.5dBm; TDD-LTE Band 40:  
23.55dBm;

**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 5.2G/5.8G: 20MHz;  
GSM: 0.2MHz; WCDMA: 0.2MHz; LTE: 0.1MHz; FM: 0.1MHz;

**Duty Cycle:** N/A

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**Microprocessor Model Number(s):** SR3595D,UMW2652,UMS312,UMP510G

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

PIFA Antenna: BT: 1.1dBi;Wi-Fi 2.4G: 1. 1dBi; Wi-Fi 5.2G: 1.1dBi; Wi-Fi 5.8G: 1.1dBi GPS: 0.7dBi;

GSM900: -1.1dBi; GSM1800: 0.31dBi; WCDMA 900:-1.1dBi; WCDMA 2100: 0.72dBi;

LTE: Band 1: 0.72dBi; Band 3: 0.31dBi; Band 7:0.64dBi; Band 8: -1.1dBi; Band 20: -1.3dBi; Band 40: 0.6dBi;

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) (Draft) ETSI EN 301 489-52 V1.1.2 (2020-12) EN 55032:2015+A11:2020 EN 55035:2017+A11:2020 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019	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 V13.1.1 (2019-11) 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 303 413 V1.2.1 (2021-04) ETSI EN 303 345-1 V1.1.1 (2019-06) ETSI EN 303 345-3 V1.1.1 (2021-06)	Test Report	Pass

**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: 1672-12-2021-116566**

**Technical Construction File (TCF) Details**

<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
STR211102001012E	11/30/2021	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
STS211102S001001E	11/24/2021	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)		
(Draft) ETSI EN 301 489-52 V1.1.2 (2020-12)		
EN 55032:2015+A11:2020		
EN 55035:2017+A11:2020		
EN IEC 61000-3-2:2019		
EN 61000-3-3:2013+A1:2019		
Report or Certificate No.	Issue Date	Issued by
STR211102001011E	11/27/2021	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 V13.1.1 (2019-11)		
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 303 413 V1.2.1 (2021-04)		
ETSI EN 303 345-1 V1.1.1 (2019-06)		
ETSI EN 303 345-3 V1.1.1 (2021-06)		
Report or Certificate No.	Issue Date	Issued by
STR211102001006E	11/27/2021	Shenzhen NTEK Testing Technology Co., Ltd.
STR211102001008E	11/27/2021	Shenzhen NTEK Testing Technology Co., Ltd.
STR211102001001E	11/27/2021	Shenzhen NTEK Testing Technology Co., Ltd.

STR211102001002E	11/27/2021	Shenzhen NTEK Testing Technology Co., Ltd.
STR211102001003E	11/27/2021	Shenzhen NTEK Testing Technology Co., Ltd.
STR211102001004E	11/27/2021	Shenzhen NTEK Testing Technology Co., Ltd.
STR211102001005E	11/27/2021	Shenzhen NTEK Testing Technology Co., Ltd.
STR211102001010E	11/27/2021	Shenzhen NTEK Testing Technology Co., Ltd.

ISO