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中国认可
国际互认
检测
TESTING
CNAS L0095

ACCREDITED
CERTIFICATE #5473.01

Test Report No.:
FCC2021-0035-EMF

Test Report

EUT	:	**Quamtum Access Q3**
MODEL	:	**Access Q3**
BRAND NAME	:	**N/A**
APPLICANT	:	**QUAMTUM CONNECTIVITY DE MEXICO, S.A. DE C.V.**
Classification Of Test	:	**N/A**

CVC Testing Technology Co., Ltd.

Client	**Name : QUAMTUM CONNECTIVITY DE MEXICO, S.A. DE C.V.** **Address : Torcuato Tasso 245, Despacho 403, Oficina 21Col. Polanco V Sección, C.P. 11560 Alcaldía Miguel Hidalgo, CDMX,México**
Manufacturer	**Name : QUAMTUM CONNECTIVITY DE MEXICO, S.A. DE C.V.** **Address : Torcuato Tasso 245, Despacho 403, Oficina 21Col. Polanco V Sección, C.P. 11560 Alcaldía Miguel Hidalgo, CDMX,México**
Equipment Under Test	**Name : Quamtum Access Q3** **Model/Type: Access Q3** **Trade mark : N/A** **Serial NO.:N/A** **Sampe NO.:3-1**

Date of Receipt.	**2021.11.18**	Date of Testing	**2021.11.18～2021.12.04**

Test Specification	**Test Result**
FCC Part 2 (Section 2.1091) **KDB 447498 D01** **IEEE C95.1**	PASS

Evaluation of Test Result	The equipment under test was found to comply with the requirements of the standards applied. **Issue Date: 2021.12.08**

Tested by:	Reviewed by:	Approved by:
Xu ZhenFei	**Liu YongHai**	**Chen HuaWen**
Name Signature	Name Signature	Name Signature

Other Aspects: NONE.

Abbreviations:OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCC2021-0035-EMF	Original release	2021.12.08

1. GERTIFICATION

FCC ID	2A3WD-ACCESS-Q3
PRODUCT	Quamtum Access Q3
BRAND	N/A
MODEL	Access Q3
ADDITIONAL MODEL	N/A
APPLICANT	QUAMTUM CONNECTIVITY DE MEXICO, S.A. DE C.V.
STANDARDS	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

For trading purposes, the product is available in three different exterior colors

2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm^2)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	…	…	F/1500	30
1500-100,000	…	…	1.0	30

F = Frequency in MHz

3. MPE CALCULATION FORMULA

$Pd = (Pout*G) / (4*pi*r^2)$

where

Pd = power density in mW/cm^2

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
WCDMA Band 2	1	PCB Antenna
WCDMA Band 5	0.5	PCB Antenna
LTE Band 4	1	PCB Antenna
LTE Band 5	0.5	PCB Antenna
LTE Band 7	2	PCB Antenna
LTE Band 66	1	PCB Antenna
2.4G WIFI	2	PCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED AV POWER

The measured conducted Average Power

MODE	AVERAGED POWER (DBM)
WCDMA Band 2	22.95
WCDMA Band 5	23.58
LTE Band 4	22.60
LTE Band 5	23.73
LTE Band 7	22.44
LTE Band 66	23.40
2.4G WIFI	18.49

The tuned conducted Average Power (declared by client)

MODE	FREQUENCY (MHZ)	TARGET POWER (DBM)	TOLERANCE (DBM)	LOWER TOLERANCE (DBM)	UPPER TOLERANCE (DBM)
WCDMA Band 2	1850 ~ 1910MHz	23	±1	22	24
WCDMA Band 5	824 ~ 849MHz	23	±1	22	24
LTE Band 4	1710 ~ 1755 MHz	23	±1	22	24
LTE Band 5	824 ~ 849MHz	23	±1	22	24
LTE Band 7	2500 ~ 2570 MHz	23	±1	22	24
LTE Band 66	1710 ~ 1780 MHz	23	±1	22	24
2.4G WIFI	2412 ~ 2462MHz	18	±1	17	19

FREQUENCY BAND (MHz)	Max power (dBm)	Antenna gain (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
WCDMA Band 2	24	1	20	0.063	1
WCDMA Band 5	24	0.5	20	0.056	0.55
LTE Band 4	24	1	20	0.063	1
LTE Band 5	24	0.5	20	0.056	0.55
LTE Band 7	24	2	20	0.079	1
LTE Band 66	24	1	20	0.063	1
2.4G WIFI	19	2	20	0.025	1

Important

(1) The test report is valid with the official seal of the laboratory and the signatures of Test engineer, Author and Reviewer simultaneously.

(2) The test report is invalid if altered.

(3) Any photocopies or part photocopies in the test report are forbidden without the written permission from the laboratory.

(4) Objections to the test report must be submitted to the laboratory within 15 days.

(5) Generally, commission test is responsible for the tested samples only.

(6)Any photocopies or part photocopies of the test report are forbidden without the written permission from CVC;

Address of the laboratory:

CVC Testing Technology Co., Ltd.

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