

RF EXPOSURE REPORT

Applicant	TCL Technoly Electronics(Huizhou) Co., Ltd
Address	Section 37, Zhongkai High-tech Development Zone, Huizhou City, Guang Dong Province, China 516006

Manufacturer or Supplier	CL Technoly Electronics(Huizhou) Co., Ltd			
Address	Section 37, Zhongkai High-tech Development Zone, Huizhou City, Guang Dong Province, China 516006			
Product	Wireless Module			
Brand Name	N/A			
Model	TWM-CC8520			
Additional Model & Model Difference	N/A			
Date of tests	Sep. 09, 2019 ~ Sep. 30, 2019			

- **⋈** KDB 447498 D01
- **⊠** IEEE C95.1

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Tom Chen Project Engineer / EMC Department	Approved by Glyn He Supervisor/ EMC Department

Date: Oct. 28, 2019

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM190909N038-1	Original release	Oct. 28, 2019

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1. CERTIFICATION

FCC ID:	ZVA15
PRODUCT:	Wireless Module
BRAND NAME:	N/A
MODEL NO.: TWM-CC8520	
ADDITIONAL NO.:	N/A
APPLICANT: TCL Technoly Electronics(Huizhou) Co., Ltd	
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

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2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD MAGNETIC FIELD STRENGTH (V/m) STRENGTH (A/m)		POWER DENSITY (mW/cm²)	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/cm²

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**.

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5. ANTENNA GAIN

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

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	3.62	PCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED AV POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
FSK	2406-2474	10	+-2	8	12

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
FSK	2406	10.68

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm²)	LIMIT (mW/cm²)
2406-2474	12	3.62	20	0.0072565	1.0

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