



RF Exposure Evaluation Report

APPLICANT : ZTE CORPORATION
EQUIPMENT : HOME PHONE
BRAND NAME : ZTE
MODEL NAME : WF722
FCC ID : SRQ-WF722
STANDARD : 47 CFR Part 2.1091

We, SPORTON INTERNATIONAL (KUNSHAN) INC., would like to declare that the device has been evaluated in accordance with 47 CFR Part 2.1091, and pass the limit. Without written approval of SPORTON INTERNATIONAL (KUNSHAN) INC., the test report shall not be reproduced except in full.

Reviewed by: Eric Huang / Deputy Manager

Approved by: Jones Tsai / Manager



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1. Administration Data

1.1. Testing Laboratory

Test Site	SPORTON INTERNATIONAL (KUNSHAN) INC.
Test Site Location	No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P.R.C. TEL: +86-0512-5790-0158 FAX: +86-0512-5790-0958

1.2. Applicant

Company Name	ZTE CORPORATION
Address	ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R.China

1.3. Manufacturer

Company Name	ZTE CORPORATION
Address	ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R.China



2. Description of Equipment Under Test (EUT)

Product Feature & Specification	
EUT Type	HOME PHONE
Brand Name	ZTE
Model Name	WF722
FCC ID	SRQ-WF722
Wireless Technology and Frequency Range	CDMA2000 BC0: 824.7 MHz ~ 848.31 MHz CDMA 2000 BC1: 1851.25 MHz ~ 1908.75 MHz
Mode	• CDMA2000 : 1xRTT
Antenna Type	Fixed External Antenna
HW Version	ddyA
SW Version	USCC_AM_WF722V1.0.0B01
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.



3. Maximum RF average output power among production units

Maximum Target Power for Production Unit		
Mode / Band	CDMA2000 BC0	CDMA2000 BC1
1xRTT RC1 SO55	25	26
1xRTT RC3 SO55	25	26
1xRTT RC3 SO32(+ F-SCH)	25	26
1xRTT RC3 SO32(+SCH)	25	26

4. Conducted RF Output Power (Unit: dBm)

Band	CDMA2000 BC0			CDMA2000 BC1		
Channel	1013	384	777	25	600	1175
Frequency (MHz)	824.70	836.52	848.31	1851.25	1880.00	1908.75
1xRTT RC1 SO55	24.59	24.72	24.77	25.16	25.55	24.66
1xRTT RC3 SO55	24.66	24.68	24.73	25.13	25.40	24.68
1xRTT RC3 SO32(+ F-SCH)	24.67	24.64	24.69	25.16	25.53	24.65
1xRTT RC3 SO32(+SCH)	24.59	24.66	24.72	25.15	25.47	24.66



5. RF Exposure Limit Introduction

According to FCC OET Bulletin 65 Supplement C, the criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1307.

(B) Limits for General Population/Uncontrolled Exposure

Table with 5 columns: Frequency Range (MHz), Electric Field Strength (E) (V/m), Magnetic Field Strength (H) (A/m), Power Density (S) (mW/cm²), and Averaging Time (|E|², |H|² or S) (minutes). Rows include frequency ranges from 0.3-1.34 to 1500-100,000 MHz.

f = frequency in MHz *Plane-wave equivalent power density

The MPE was calculated at 20 cm to show compliance with the power density limit.

The following formula was used to calculate the Power Density:

S = PG / (4πR²)

Where:

S = Power Density

P = Output Power at Antenna Terminals

G = Gain of Transmit Antenna (linear gain)

R = Distance from Transmitting Antenna



6. Radio Frequency Radiation Exposure Evaluation

6.1. Standalone Power Density Calculations

Band	Frequency (MHz)	Antenna Gain (dBi)	Maximum Power (dBm)	Average EIRP (mW)	Power Density at 20cm (mW/cm ²)	Limit (mW/cm ²)
CDMA2000 BC0	824.70	0.58	25.0	361.41	0.07	0.55
CDMA2000 BC1	1851.25	3.15	26.0	822.24	0.16	1.00

Note: For conservativeness, the lowest uplink frequency of each band is used to determine the MPE limit of that band

Conclusion:

Per 47 CFR §2.1091, EUT source-based time-averaged ERP < 1.5W for RF operating frequency ≤ 1.5GHz, EUT source-based time-averaged EIRP < 3W for RF operating frequency > 1.5GHz, routine evaluation of MPE is not required; MPE calculation is sufficient to show compliance. The MPE calculation results indicate that the EUT complies with the RF exposure limit of FCC OET Bulletin 65 Supplement C (Edition 01-01).