



RF EXPOSURE EVALUATION

FCC ID:2BXHF-WS9501DLS

Report Number..... : ZKT-260821L1388E-2

Date of Test..... : Jul. 30, 2026 to Aug. 21, 2026

Date of issue : Aug. 21, 2026

Total number of pages : 8

Test Result : PASS

Testing Laboratory..... : Shenzhen ZKT Technology Co., Ltd.

Address : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name : Xuzhou WIKA Electronics Control Technology Co., Ltd.

Address : No.11 Baoliensi Road, Xuzhou Economic Development Zone, Xuzhou, Jiangsu, China

Manufacturer's name : Chengdu Silent Smart Technology Co., Ltd.

Address : 303-7,Floor 3,Building 12,No.38,South Jinke Road,Jinniu Hi-tech Industrial Park,Chengdu,Sichuan,China

Test specification:

Standard..... : FCC 47CFR §2.1093
KDB 447498 D01 General RF Exposure Guidance v06

Test procedure : /

Non-standard test method : N/A

Test Report Form No. : TRF-EL-111_V0

Test Report Form(s) Originator : ZKT Testing

Master TRF : Dated: 2020-01-06

This device described above has been tested by ZKT, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Product name..... : Wireless Transceiver Module

Trademark : N/A

Model/Type reference : WS9501DLS

Ratings..... :
Input: DC 5V



Testing procedure and testing location:

Testing Laboratory: Shenzhen ZKT Technology Co., Ltd.
Address: 1/F, No. 101, Building B, No. 6, Tangwei Community
Industrial Avenue, Fuhai Street, Bao'an District,
Shenzhen, China

Tested by (name + signature): Jim Liu

Reviewer (name + signature): Jackson Fang

Approved (name + signature): Lake Xie





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1. VERSION

Report No.	Version	Description	Approved
ZKT-260821L1388E-2	Rev.01	Initial issue of report	Aug. 21, 2026



2. TEST FACILITY

Shenzhen ZKT Technology Co., Ltd.

Add. : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

FCC Test Firm Registration Number: 927491

Designation Number: CN1431

IC Registered No.: 27033

CAB identifier: CN0110

Designation Number: CN0110



3 GENERAL DESCRIPTION OF EUT

Product Name:	Wireless Transceiver Module
Trade Mark:	N/A
Model No.:	WS9501DLS
Serial No.:	N/A
Model Different.:	N/A
Hardware Version:	V1.3
Software Version:	V208
Sample(s) Status:	Engineer sample
Channel numbers:	16
Operation Frequency:	433MHz
Modulation technology:	FSK
Antenna Type:	Sucker antenna Dipole Antenna Horn Antenna FPC Antenna
Antenna gain:	Sucker antenna: 1dBi Dipole Antenna: -2dBi Horn Antenna: 0.5dBi FPC Antenna :-3.5dBi
Power Supply:	Input: DC 5V

Note1: For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

Note2: The EUT's all information provided by client.



According to KDB 447498 D01 General RF Exposure Guidance v06 and part 2.1093, Unless specifically required by the *published RF exposure KDB procedures*, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding *SAR Test Exclusion Threshold* condition(s), listed below, is (are) satisfied.

SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm

Approximate SAR Test Exclusion Power Thresholds at Selected Frequencies and Test Separation Distances are illustrated in the following Table. The equation and threshold in 4.3.1 must be applied to determine SAR test exclusion.

MHz	5	10	15	20	25	mm
150	39	77	116	155	194	<i>SAR Test Exclusion Threshold (mW)</i>
300	27	55	82	110	137	
450	22	45	67	89	112	
835	16	33	49	66	82	
900	16	32	47	63	79	
1500	12	24	37	49	61	
1900	11	22	33	44	54	
2450	10	19	29	38	48	
3600	8	16	24	32	40	
5200	7	13	20	26	33	
5400	6	13	19	26	32	
5800	6	12	19	25	31	

For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] * [\sqrt{f_{(\text{GHz})}}] \leq 3.0$ for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR, where

$f_{(\text{GHz})}$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison



Here,

For SRD

Antenna Type	Frequency (MHz)	Power (dBuV/m) @3m	Power (dBm)	Turn up Power
Dipole Antenna	434.6025	71.86	-23.34	-24±1dBm
FPC Antenna	433.8025	71.15	-24.05	-24±1dBm
Horn Antenna	433.8025	71.53	-23.67	-24±1dBm
Sucker antenna	433.8025	71.14	-24.06	-24±1dBm

Note: Power(dBm) = dBuV/m@3m -95.2

Antenna Type	Frequency (MHz)	Separation distance (cm)	Tune Up Power (dBm)	Max Tune Up Power (mW)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Result
Dipole Antenna	434.6025	20	-23	0.00501	0.000001	0.2897	Pass
FPC Antenna	433.8025	20	-23	0.00463	0.000001	0.2897	Pass
Horn Antenna	433.8025	20	-23	0.00463	0.000001	0.2897	Pass
Sucker antenna	433.8025	20	-23	0.00463	0.000001	0.2897	Pass

Conclusion:

Note:

1.The Maximum power is less than the limit, complies with the exemption requirements.