

FCC RF EXPOSURE REPORT

FCC ID: 2BV4J-WTS1100

Project No. : 2601C197A
Equipment : Wireless Thermostat
Brand Name : DOMISI, AIKEEPER
Test Model : WTS1100
Model Name : WTS1100, ES-WT01
Hardware Version : WTS1100 V1.0
Software Version : WTS1100 V1.0
Applicant : DONGGUAN DOMISI TECHNOLOGY CO.,LTD
Address : Room 1101, Building A5, Tianrui Industrial Park, Fuhai Street, Bao'an District
Manufacturer : Dongguan Domisi Technology Co.,LTD
Address : Zone B,Floor 4,Building A6,Tianrui Industrial Zone,Fuhai Street,Baoan district,Shenzhen,China
Factory : Dongguan Domisi Technology Co.,LTD
Address : Zone B,Floor 4,Building A6,Tianrui Industrial Zone,Fuhai Street,Baoan district,Shenzhen,China
Date of Receipt : Apr. 08, 2026
Date of Test : Apr. 09, 2026 ~ Jun. 25, 2026
Issued Date : Jul. 09, 2026
Test Sample : Engineering Sample No.: DG920260408261
Standard(s) : FCC Guidelines for Human Exposure IEEE C95.1 & KDB447498 D01 v06

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Dongguan)

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacturer's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. BTL assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by BTL.

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BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2601C197A	R00	Original Report.	Jul. 09, 2026	Valid

1. GENERAL CONCLUSION

According to FCC KDB447498 D01, Appendix A, SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$
 ≤ 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

Appendix A - SAR Test Exclusion Thresholds for 100 MHz - 6 GHz and ≤ 50 mm											
MHz	5	10	15	20	25	30	35	40	45	50	mm
150	39	77	116	155	194	232	271	310	349	387	SAR Test Exclusion Thresholds (mW)
300	27	55	82	110	137	164	192	219	246	274	
450	22	45	67	89	112	134	157	179	201	224	
835	16	33	49	66	82	98	115	131	148	164	
900	16	32	47	63	79	95	111	126	142	158	
1500	12	24	37	49	61	73	86	98	110	122	
1900	11	22	33	44	54	65	76	87	98	109	
2450	10	19	29	38	48	57	67	77	86	96	
3600	8	16	24	32	40	47	55	63	71	79	
5200	7	13	20	26	33	39	46	53	59	66	
5400	6	13	19	26	32	39	45	52	58	65	
5800	6	12	19	25	31	37	44	50	56	62	

2. TABLE FOR FILED ANTENNA

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)
1	HAOCHUAN	HCT110	Spring	N/A	0

Note: The antenna gain is provided by the manufacturer.

3. TEST RESULTS

Function	Frequency (MHz)	Max. Output Power (dBm)	Max. Output Power (mW)	Exclusion Thresholds	Limit	Result
433	433.92	-11.90	0.0646	0.0085	3	Pass

Note:

- 1) Max. Output Power=Field Strength+20log(d)-104.8, where d is the measurement distance.
- 2) No SAR evaluation required since transmitter power is below FCC threshold.

End of Test Report