

EMF TEST REPORT

Test Report No. : OT-233-RWD-005

Reception No. : 2210003187

Applicant : INTERTEC Co.,Ltd.

Address : 15, DONGTANGIHEUNG-RO, DONGTAN-MYEON, HWASEONG-SI,
GYEONGGI-DO, #18487, SOUTH KOREA

Manufacturer : INTERTEC Co.,Ltd.

Address : 15, DONGTANGIHEUNG-RO, DONGTAN-MYEON, HWASEONG-SI,
GYEONGGI-DO, #18487, SOUTH KOREA

Type of Equipment : ELECTRIC BIDET SEATS

FCC ID. : 2A9WE-ITBKLN04-R01

Model Name : KL600

Multiple Model Name : KL600A, KL600B, KL600C, KL600D, KL600E, KL601, ITB600

Serial number : N/A

Total page of Report : 6 pages (including this page)

Date of Incoming : December 15, 2022

Date of issue : March 06, 2023

SUMMARY

The equipment complies with the regulation; *FCC CFR 47 PART 2.1093*

This test report only contains the result of a single test of the sample supplied for the examination.

It is not a generally valid assessment of the features of the respective products of the mass-production.

This report is not correlated with the "KS Q ISO/IEC 17025 and KOLAS accreditation" of Korean Laboratory Accreditation Scheme.

유수민



김기홍

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Revision History

Rev. No.	Issue Report No.	Issued Date	Revisions	Section Affected
0	OT-233-RWD-005	March 06, 2023	Initial Release	All

1. VERIFICATION OF COMPLIANCE

Applicant : INTERTEC Co.,Ltd.
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#18487, SOUTH KOREA
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FCC ID : 2A9WE-ITBKLN04-R01
Model Name : KL600
Multiple Model Name : KL600A, KL600B, KL600C, KL600D, KL600E, KL601, ITB600
Brand Name : KLL0M Tankless
Serial Number : N/A
Date : March 06, 2023

EQUIPMENT CLASS	DTS – DIGITAL TRNSMISSION SYSTEM
E.U.T. DESCRIPTION	ELECTRIC BIDET SEATS
THIS REPORT CONCERNS	Original Grant
MEASUREMENT PROCEDURES	KDB 447498 D01 General RF Exposure Guidance v06
TYPE OF EQUIPMENT TESTED	Pre-Production
KIND OF EQUIPMENT AUTHORIZATION REQUESTED	Certification
Modifications on the Equipment to Achieve Compliance	None

- . The above equipment was tested by ONETECH Corp. for compliance with the requirement set forth in the FCC Rules and Regulations. This said equipment in the configuration described in this report, shows the maximum emission levels emanating from equipment are within the compliance requirements.

2. GENERAL INFORMATION

2.1 Product Description

The INTERTEC Co.,Ltd., Model KL600 (referred to as the EUT in this report) is a ELECTRIC BIDET SEATS. The product specification described herein was obtained from product data sheet or user's manual.

Device Type	ELECTRIC BIDET SEATS
Operating Frequency	2 403 MHz ~ 2 475 MHz
RF Output Power	-0.81 dBm
Number of Channel	73 Channels
Modulation Type	GFSK
Antenna Type	PCB Antenna
Antenna Gain	2.76 dBi
Rated Supply Voltage	AC 120 V
List of each Osc. or crystal Freq.(Freq. >= 1 MHz)	24 MHz

2.2 Alternative type(s)/model(s); also covered by this test report.

-. The following lists consist of the added model and their differences.

Model Name	Differences	Tested
KL600	Basic Model	<input checked="" type="checkbox"/>
KL600A	This model is derived for Marketing purpose, It is identical to the basic model.	<input type="checkbox"/>
KL600B		<input type="checkbox"/>
KL600C		<input type="checkbox"/>
KL600D		<input type="checkbox"/>
KL600E		<input type="checkbox"/>
ITB600		<input type="checkbox"/>
KL601	This model is identical to basic model except for removal of deodorization function.	<input type="checkbox"/>

Note 1.: Applicant consigns only basic model to test. Therefore this test report just guarantees the units, which have been tested.

Note 2.: The Applicant/manufacturer is responsible for the compliance of all variants.

3. EUT MODIFICATIONS

-. None

4. RF EXPOSURE EVALUATION

4.1 RF Exposure Calculation

According to the FCC rule §4.3. General SAR test exclusion guidance, the limit for 1-g and 10-g SAR test exclusion thresholds are ≤ 3.0 for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR by the device operating 100 MHz to 6 GHz and test separation distances ≤ 50 mm

4.2 EUT Description

Kind of EUT	ELECTRIC BIDET SEATS
Device Category	<input checked="" type="checkbox"/> Portable (< 20 cm separation) <input type="checkbox"/> Mobile (> 20 cm separation) <input type="checkbox"/> Others
Exposure Evaluation Applied	<input type="checkbox"/> MPE <input type="checkbox"/> SAR <input checked="" type="checkbox"/> N/A

4.3 Test Result

According to the procedure, KDB 447498 D01, the standalone SAR test exclusion threshold is

$$[(\text{Max. Power of channel, including tune-up tolerance, mW})/(\text{Min. test separation distance, mm})] \times [\sqrt{f(\text{GHz})}] < 3.0$$

$$= [(1.04/5)] \times \sqrt{2.403} = 0.324$$

4.3.1 Test data for GFSK

Frequency (MHz)	Target Power W/tolerance (dBm)	Max tune up power (dBm)	Max tune up power (mW)	Separation distance (mm)	RF exposure
2 403	-0.81	0.19	1.04	5	0.32