

Prüfbericht-Nr.: Test Report No.:	50085893 001	Auftrags-Nr.: Order No.:	154243722	Seite 1 von 7 Page 1 of 7
Kunden-Referenz-Nr.: Client Reference No.:	52195561	Auftragsdatum: Order date:	26.04.2017	
Auftraggeber: Client:	AXENT Corporation Ltd. 3 Musick, Irvine CA 92618 US	SA		
Prüfgegenstand: Test item:	Tankless toilet (Remote Co	ntroller)		
Bezeichnung / Typ-Nr.: Identification / Type No.:	Hi-Touch FCC ID: 2AL4GHI-TOUCH			
Auftrags-Inhalt: Order content:	Complete test			
Prüfgrundlage: Test specification:	FCC KDB # 447498 D01 V06			
Wareneingangsdatum: Date of receipt:	05.05.2017			
<b>Prüfmuster-Nr.:</b> Test sample No.:	A000540881-006			
Prüfzeitraum: Testing period:	Refer to test report			
Ort der Prüfung: Place of testing:	MRT Technology(Suzhou) Co., Ltd.  Please refer to the External Photos			nal Photos
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shanghai) Co., Ltd.	)		
Prüfergebnis*: Test result*:	Pass			
geprüft von I tested by:		kontrolliert von /	reviewed by:	
11.07.2017         Elliot Zhar           Datum         Name / Ste           Date         Name / Pos	9	Datum Na	ni Li / Department me / Stellung me / Position	Manager Unterschrift Signature
Sonstiges / Other				

Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		llieferung:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged			
* Legende:	1 = sehr gut	2 = gut	3 = befriedigend		4 = ausreichend	5 = mangelhaft
Legend:	P(ass) = entspricht of the state of the stat	o.g. Prüfgrundlage(n) 2 = good	F(ail) = entspricht n 3 = satisfactory	icht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar 4 = sufficient	N/T = nicht getestet 5 = poor
	P(ass) = passed a.r.	m. test specification(s)	F(ail) = failed a.m. t	test specification(s)	N/A = not applicable	N/T = not tested

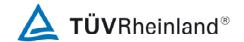
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.

This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.



Produkte Products

Prüfbericht - Nr.: Test Report No.	50085893 001	Seite 2 von 7 Page 2 of 7
2.2.1 EVALUATION FOR 2  RESULT: Pass	TEST SUMMARY 411MHz FSK TRANSMITTER	



# Products

	bericht - Nr.: Report No.	50085893 001	Seite 3 von 7 Page 3 of 7
Со	ntents		
1.	GENERAL PRODUCT	INFORMATION	4
1.1	PRODUCT FUNCTIO	N AND INTENDED USE	4
1.2	RATINGS AND SYST	EM DETAILS	4
2.	RF EXPOSURE		5
2.1	FCC REQUIREMENT	AND LIMIT	5
<b>2.2</b> 2.2	FCC EVALUATION I	RESULTS1MHz FSK Transmitter	<b>6</b>
3.	LIST OF TABLES		7



 Prüfbericht - Nr.:
 50085893 001
 Seite 4 von 7

 Test Report No.
 Page 4 of 7

## 1. General Product Information

### 1.1 Product Function and Intended Use

The EUT (Equipment Under Test) is a remote controller which using a 2.4GHz wireless module to control the intelligent toilet.

The aim of this report is to evalute the RF Exposure of the EUT.

For details refer to the User Manual and Circuit Diagram.

## 1.2 Ratings and System Details

**Table 1: Technical Specification of EUT** 

General Description of EUT			
Product Name:	Tankless toilet (Remote Controller)		
Model No.:	Hi-Touch		
Rated Voltage:	DC 4.5V (3*AAA)		
2.4GHz Wireless modu	less module		
Frequency:	2411MHz		
Modulation Type:	FSK		
Antenna Type:	PCB Antenna		
Antenna Gain:	0 dBi		



Products

 Prüfbericht - Nr.:
 50085893 001
 Seite 5 von 7

 Test Report No.
 Page 5 of 7

## 2. RF Exposure

## 2.1 FCC Requirement and Limit

According to FCC KDB # 447498 D01 V06, Clause 4.3.1

(a) For 100MHz to 6 GHz and test separation distances  $\leq$  50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

 $\frac{\text{(max. power of channel, including tune - up tolerance, mW)}}{\text{(GHz)}} \times \sqrt{f(\text{GHz})}$ 

(min. test separation distance, mm)

 $\leq$  3.0, for 1-g SAR, and  $\leq$  7.5, for 10-g extremity SAR

Produkte Products

 Prüfbericht - Nr.:
 50085893 001
 Seite 6 von 7

 Test Report No.
 Page 6 of 7

### 2.2 FCC Evaluation Results

#### 2.2.1 Evaluation for 2411MHz FSK Transmitter

RESULT: Pass

According to the RF test report No. 50085892 001 issued by TÜV Rheinland (Shanghai) Co., Ltd. And the maximum conducted output power declared in the operation description.

The Max EIRP is:

Table 2: Evaluation for 2411MHz FSK Transmitter

Frequency	Maximum EIRP	Maximum EIRP	
[GHz]	[dBm]	[mW]	
2.411	-16.0		

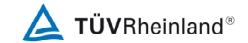
And for the frequency 2.411GHz, the SAR test exclusion thresholds at the test separation distance 5mm is,

1-g SAR test exclusion thresholds = 9.660345383mW

#### Conclusion

The device is excluded for SAR test and complies with the FCC exposure requirements since the maximum conducted peak output power is lower than the SAR test exclusion thresholds.

<sup>10-</sup>g SAR test exclusion thresholds = 24.15086346mW



# Products

Prüfbericht - Nr.: 50085893 001 Test Report No.	Seite 7 von 7 Page 7 of 7
3. List of Tables	
Table 1: Technical Specification of EUT Table 2: Evaluation for 2411MHz FSK Transmitter	4