



Prüfbericht-Nr.: <i>Test Report No.:</i>	50085891 001	Auftrags-Nr.: <i>Order No.:</i>	154243722	Seite 1 von 7 <i>Page 1 of 7</i>
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	52195561	Auftragsdatum: <i>Order date:</i>	26.04.2017	
Auftraggeber: <i>Client:</i>	AXENT Corporation Ltd. 3 Musick, Irvine CA 92618 USA			
Prüfgegenstand: <i>Test item:</i>	Tankless toilet			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	W330-05 FCC ID: 2AL4GPRIMUS			
Auftrags-Inhalt: <i>Order content:</i>	Complete test			
Prüfgrundlage: <i>Test specification:</i>	FCC KDB # 447498 D01 V06			
Wareneingangsdatum: <i>Date of receipt:</i>	05.05.2017	Please refer to the External Photos		
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000540881-005			
Prüfzeitraum: <i>Testing period:</i>	Refer to test reports			
Ort der Prüfung: <i>Place of testing:</i>	MRT Technology(Suzhou) Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shanghai) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
11.07.2017	 Elliot Zhang / Assistant Project Manager	11.07.2017	 Shi Li / Department Manager	
Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>
				Unterschrift <i>Signature</i>
Sonstiges / Other				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende:	1 = sehr gut 2 = gut 3 = befriedigend	4 = ausreichend	5 = mangelhaft	
Legend:	P(ass) = entspricht o.g. Prüfgrundlage(n) 1 = very good 2 = good 3 = satisfactory	F(ail) = entspricht nicht o.g. Prüfgrundlage(n) 4 = sufficient 5 = poor	N/A = nicht anwendbar N/T = nicht getestet	
	P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. 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.				
<i>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.</i>				

v04

TEST SUMMARY

2.2.1 EVALUATION FOR 2411MHZ FSK TRANSMITTER

RESULT: Pass

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1. General Product Information

1.1 Product Function and Intended Use

The EUT (Equipment Under Test) is an intelligent toilet which contains a 2.4GHz wireless module module.

The aim of this report is to evaluate 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
Brand Name:	AXENT
Model No.:	W330-05
Rated Voltage:	DC 6V (4*AA)
2.4GHz Wireless Module	
Frequency Range:	2411MHz
Modulation Type:	FSK
Antenna Type:	PCB
Antenna Gain:	0dBi

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 ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

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

≤ 3.0 , for 1-g SAR, and ≤ 7.5 , for 10-g extremity SAR

2.2 FCC Evaluation Results

2.2.1 Evaluation for 2411MHz FSK Transmitter

RESULT:**Pass**

According to the RF test report No. 50085890 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 [GHz]	Maximum EIRP [dBm]	Maximum EIRP [mW]
2.411	-9.0	0.125892541

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

10-g SAR test exclusion thresholds = 24.15086346mW

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.

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