

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

Prüfbericht - Nr.: 50085891 001
Test Report No.

Seite 2 von 7
Page 2 of 7

TEST SUMMARY

2.2.1 EVALUATION FOR 2411MHZ FSK TRANSMITTER
RESULT: Pass

Contents

1.	GENERAL PRODUCT INFORMATION	4
1.1	PRODUCT FUNCTION AND INTENDED USE.....	4
1.2	RATINGS AND SYSTEM DETAILS	4
2.	RF EXPOSURE.....	5
2.1	FCC REQUIREMENT AND LIMIT	5
2.2	FCC EVALUATION RESULTS.....	6
2.2.1	<i>Evaluation for 2411MHz FSK Transmitter</i>	<i>6</i>
3.	LIST OF TABLES	7

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.

3. List of Tables

Table 1: Technical Specification of EUT	4
Table 2: Evaluation for 2411MHz FSK Transmitter.....	6