

	richt-Nr.:	50085891 00	1	Auftrags-Nr.: Order No.:	154243722	Seite 1 von 7 Page 1 of 7
	n-Referenz-Nr.: Reference No.:	52195561		Auftragsdatum Order date:	1: 26.04.2017	
Auftrag Client:	geber:	AXENT Corp 3 Musick, Irvir	oration Ltd. ne CA 92618 US	A		
Prüfgeg Test ite	genstand: m:	Tankless toil	et			
	nnung / Typ-Nr.: eation / Type No.:	W330-05 FCC ID: 2AL	4GPRIMUS			×
Auftrag Order c	ı <b>s-Inhalt:</b> ontent:	Complete tes	t			
	indlage: ecification:	FCC KDB # 44	7498 D01 V06			
Warene Date of	ingangsdatum: receipt:	05.05.2017				
	ster-Nr.: mple No.:	A000540881-	005	ar ,		
Prüfzeit Testing		Refer to test	reports	Div		151
Ort der Place of	<b>Prüfung:</b> f testing:			Please refer to the External Pho		nal Photos
1	oratorium: laboratory:	TÜV Rheinlar Co., Ltd.	nd (Shanghai)			
Prüferg Test res		Pass				
geprüft v	on I tested by:			kontrolliert von	I reviewed by:	Sl.
11.07.20 <b>Datum</b> <i>Date</i>	Name / Ste	llung Unters	chrift		Shi Li / Department   Name / Stellung Name / Position	Manager Unterschrift Signature
Sonstiges / Other						
Zustand des Prüfgegenstandes bei Anlieferung:  Condition of the test item at delivery:  Prüfmuster vollständig und unbeschädigt  Test item complete and undamaged						
* Legende:			3 = befriedigend		4 = ausreichend	5 = mangelhaft
Legend:	P(ass) = entspricht o.g. If 1 = very good P(ass) = passed a.m. tes	Prüfgrundlage(n) I 2 = good :	F(ail) = entspricht nicht ( 3 = satisfactory F(ail) = failed a.m. test s		N/A = nicht anwendbar 4 = sufficient N/A = not applicable	N/T = nicht getestet 5 = poor N/T = not tested
Dies	er Prüfbericht bezi				Genehmigung der I	

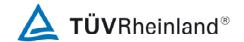
auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.

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.



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	TEST SUMMARY	
2.2.1 EVALUATION FOR 24 RESULT: Pass	411MHz FSK Transmitter	



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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 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	
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	



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# 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

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### 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	Maximum EIRP	Maximum EIRP
[GHz]	[dBm]	[mW]
2.411	-9.0	

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



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