

Prüfbericht-Nr.: Test Report No.:	17057901 002	Auftrags-Nr.: Order No.:	164092539	Seite 1 von 17 Page 1 of 17
Kunden-Referenz-Nr.: Client Reference No.:	449086	Auftragsdatum: Order date.:	04 May 2017	
Auftraggeber: Client:	AQUIL STAR PRECISION IN BUILDING A AND B, THE NO TENGFENG THIRD ROAD, F THIRD INDUSTRY, FUYONO BAOAN ZONE, SHENZHEN P.R. China	DUSTRIAL (SHEN D.4 OF ENGHUANG D TOWN CITY	VZHEN) CO., LTD.	
Prüfgegenstand: Test item:	SWITCHING ADAPTER			
Bezeichnung / Typ-Nr.: Identification / Type No.:	ASSA75z-050yyy, PCx-050y	vyy (Details refer t	to section 3.1)	
Auftrags-Inhalt: Order content:	TUV Rheinland - EMC service	9		
Prüfgrundlage: Test specification:	EN 55032:2012 EN 61000-3-2:2014 EN 61000-3-3:2013 EN 55024:2010			
Wareneingangsdatum: Date of receipt:	04 May 2017			Contraction of the
Prüfmuster-Nr.: Test sample No.:	A000539210-011~016			ANY-
Prüfzeitraum: Testing period:	Refer to test report			(ma)
Ort der Prüfung: Place of testing:	Refer ro section 2.1			THE .
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.	*	C.	
Prüfergebnis*: Test result*:	Pass	< 01 01 0 02 78 0	00 05 05 06 06 00 07 08 06 00 19 09 09 01 01 01 05 01 0	34 01 02 02 05 05 05 01 2 07 09 35 35 35 34 07
geprüft von / tested by:		kontrolliert vo	on I reviewed by:	
30.08.2017 Neo Dong Senior Engi	neer Neo	30.08.2017	Tongle Lee Technical Certifier	New
Datum Name/Stellu Date Name/Positio	ing Unterschrift on Signature	Datum P	Name/Stellung	Unterschrift
Sonstiges / Other: This report is issued according to above-mentioned requirements based on test reports 17057901 001.				
Zustand des Prüfgegens Condition of the test item	tandes bei Anlieferung: at delivery:	Prüfmuster voll Test item comp	lständig und unbesch plete and undamaged	ädigt
* Legende: 1 = sehr gut 2 = g P(ass) = entspricht o.g. Legend: 1 = very good 2 = g P(ass) = passed a.m. te	ut 3 = befriedigend Prüfgrundlage(n) F(ail) = entspricht nicht ood 3 = satisfactory est specifications(s) F(ail) = failed a.m. test	4 o.g. Prüfgrundlage(n) 4 specifications(s)	4 = ausreichend 5 = n N/A = nicht anwendbar N/T = 4 = sufficient 5 = p V/A = not applicable N/T =	nangelhalt = nicht getestet oor = not tested
Dieser Prüfbericht bezi auszugsweise vervie	ieht sich nur auf das o.g. Prüfmu Ifältigt werden. Dieser Bericht be	ster und darf ohne	Genehmigung der Pr	üfstelle nicht
This test report only relates to dupl	the a. m. test sample. Without per icated in extracts. This test report of	mission of the test c loes not entitle to ca	enter this test report is rry any test mark.	not permitted to be
TUV Rheinland (Shenzhen) C	Co., Ltd., East of F/1, F/2 - F/4, Building North Hi-tech Industry Park, Nanshan I	1, Cybio Technology B District, Shenzhen, P.R	Building, No. 6 Langshan N I. China	lo. 2 Road,

http://www.tuv.com

Produkte Products



Prüfbericht - Nr.: Test Report No.

17057901 002

Seite 2 von 17 Page 2 of 17

TEST SUMMARY

- 5.1.1 HARMONICS ON AC MAINS RESULT: Pass
- 5.1.2 VOLTAGE FLUCTUATIONS ON AC MAINS RESULT: Pass
- **5.1.3 CONDUCTED DISTURBANCE VOLTAGE AT MAINS TERMINALS** *RESULT: Pass*
- 5.2.1 RADIATED DISTURBANCES (30-1000MHz) RESULT: Pass
- 5.2.2 RADIATED DISTURBANCES (ABOVE 1GHz) Not Applicable



Prüfbericht - Nr.: Test Report No.	17057901 002	Seite 3 von 17 Page 3 of 17

Contents

1.	GENERAL REMARKS
1.1	COMPLEMENTARY MATERIALS
2.	TEST SITES
2.1	TEST FACILITIES
2.2	LIST OF TEST AND MEASUREMENT INSTRUMENTS
3.	GENERAL PRODUCT INFORMATION6
3.1	PRODUCT FUNCTION AND INTENDED USE6
3.2	RATINGS AND SYSTEM DETAILS7
3.3	INDEPENDENT OPERATION MODES8
3.4	INPUT / OUTPUT PORTS7
3.5	NOISE GENERATING AND NOISE SUPPRESSING PARTS
3.6	SUBMITTED DOCUMENTS8
4.	TEST SET-UP AND OPERATION MODES9
4.1	PRINCIPLE OF CONFIGURATION SELECTION9
4.2	TEST OPERATION AND TEST SOFTWARE
4.3	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT9
4.4	COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE9
5.	TEST RESULTS E M I S S I O N10
5.1 5.1.1 5.1.2 5.1.3	EMISSION IN THE FREQUENCY RANGE UP TO 30 MHz 10 1 Harmonics on AC Mains 10 2 Voltage Fluctuations on AC Mains 11 3 Conducted Disturbance Voltage at Mains Terminals 12
5.2 5.2.1 5.2.2	EMISSION IN THE FREQUENCY RANGE ABOVE 30 MHz 13 Radiated Disturbances (30-1000MHz) 13 Radiated Disturbances (Above 1GHz) 13
6.	TEST RESULTS I M M U N I T Y15
6.1	CLASSIFICATION OF APPARATUS
7.	PHOTOGRAPHS OF THE TEST SET-UP
8.	LIST OF TABLES
9.	LIST OF PHOTOGRAPHS



 Prüfbericht - Nr.:
 17057901 002

 Test Report No.
 17057901 002

Seite 4 von 17 Page 4 of 17

1. General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix 1: Test Result Appendix 2: Measurement Uncertainties

2. Test Sites

2.1 Test Facilities

Accurate Technology Co., Ltd (ATC) F1, Bldg. A, Changyuan New Material Port, Keyuan Road, Science & Industry Park, Nanshan 518057 Shenzhen, P.R. China

The tests at the test site have been conducted under the supervision of a TÜV engineer.



Seite 5 von 17

Page 5 of 17

 Prüfbericht - Nr.:
 17057901 002

 Test Report No.
 17057901 002

2.2 List of Test and Measurement Instruments

Kind of Equipment	Manufacturer	Туре	S/N	Calibrated until
Disturbance Voltage	(ATC)			
Test Receiver	R&S	ESCS30	100307	2018-01-06
L.I.S.N.	Schwarzbeck	NLSK8126	8126431	2018-01-06
Pulse Limiter	R&S	ESH3-Z2	100815	2018-01-06
50 Ω Coaxial Switch	Anritsu Corp	MP59B	6200283933	2018-01-06
RF Coaxial Cable	SUHNER	N-2m	No.2	2018-01-06
Radiated Emission (A	NTC)			
Spectrum Analyzer	R&S	FSV40	101495	2018-01-06
Test Receiver	R&S	ESCS30	100307	2018-01-06
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2018-01-09
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2018-01-09
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2018-01-09
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	2018-01-09
RF Switching Unit+PreAMP	Compliance Direction	RSU-M2	38322	2018-01-06
Pre-Amplifier	R&S	CBLU11835 40-01	3791	2018-01-06
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2018-01-06
RF Coaxial Cable	SUHNER	N-3m	No.8	2018-01-06
RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	2018-01-06
RF Coaxial Cable	SUHNER	N-6m	No.10	2018-01-06
RF Coaxial Cable	RESENBERGER	N-12m	No.11	2018-01-06
RF Coaxial Cable	RESENBERGER	N-0.5m	No.12	2018-01-06



17057901 002

Seite 6 von 17 Page 6 of 17

3. General Product Information

3.1 Product Function and Intended Use

The EUTs are switching adapters used for information technology equipment, All models are identical to each other except input plug and output type.

Model No.: ASSA75z-050yyy, PCx-050yyy

(Input: 100-240V~50/60Hz, 1.2A, Output: 5.0Vdc, 100-5400mA, Max. 27.0W; yyy=010-540 indicates rated output current range 100-5400mA, step 10mA;

z=a2, means fixed America plug, 2 USB output ports; z=a3, means fixed America plug, 3 USB output ports; z=a4, means fixed America plug, 4 USB output ports; z=A3, means fixed America plug, 2 USB output ports+one cable output; z=a3c, means fixed America plug, 2 USB output ports+1 type C output; z=A3c, means fixed America plug, 1 USB output port+1 type C output;

z=b2, means fixed United Kingdom plug, 2 USB output ports; z=b3, means fixed United Kingdom plug, 3 USB output ports; z=b4, means fixed United Kingdom plug, 4 USB output ports; z=B3, means fixed United Kingdom plug, 2 USB output ports+one cable output; z=b3c, means fixed United Kingdom plug, 2 USB output ports+1 type C output; z=B3c, means fixed United Kingdom plug, 1 USB output port+1 type C output+1 cable output;

z=c2, means fixed Australia plug, 2 USB output ports; z=c3, means fixed Australia plug, 3 USB output ports; z=c4, means fixed Australia plug, 4 USB output ports; z=C3, means fixed Australia plug, 2 USB output ports+one cable output; z=c3c, means fixed Australia plug, 2 USB output ports+1 type C output; z=C3c, means fixed Australia plug, 1 USB output port+1 type C output; z=C3c, means fixed Australia plug, 1 USB output port+1 type C output;

z=d2, means fixed Argentina plug, 2 USB output ports; z=d3, means fixed Argentina plug, 3 USB output ports; z=d4, means fixed Argentina plug, 4 USB output ports; z=D3, means fixed Argentina plug, 2 USB output ports+one cable output; z=d3c, means fixed Argentina plug, 2 USB output ports+1 type C output; z=D3c, means fixed Argentina plug, 1 USB output port+1 type C output;

z=e2, means fixed Europe plug, 2 USB output ports; z=e3, means fixed Europe plug, 3 USB output ports; z=e4, means fixed Europe plug, 4 USB output ports; z=E3, means fixed Europe plug, 2 USB output ports+one cable output; z=e3c, means fixed Europe plug, 2 USB output ports+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 2 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fixed Europe plug, 1 USB output port+1 type C output; z=E3c, means fi

z=f2, means fixed Korea plug, 2 USB output ports; z=f3, means fixed Korea plug, 3 USB output ports; z=f4, means fixed Korea plug, 4 USB output ports; z=F3, means fixed Korea plug, 2 USB output ports+one cable output; z=f3c, means fixed Korea plug, 2 USB output ports+1 type C output; z=F3c, means fixed Korea plug, 1 USB output port+1 type C output; z=F3c, means fixed Korea plug, 1 USB output port+1 type C output+1 cable output;

z=g2, means fixed Japan plug, 2 USB output ports; z=g3, means fixed Japan plug, 3 USB output ports; z=g4, means fixed Japan plug, 4 USB output ports; z=G3, means fixed Japan plug, 2 USB output ports+one cable output; z=g3c, means fixed Japan plug, 2 USB output ports+1 type C output; z=G3c, means fixed Japan plug, 1 USB output port+1 type C output+1 cable output;

z=h2, means fixed Mexico plug, 2 USB output ports; z=h3, means fixed Mexico plug, 3 USB output ports; z=h4, means fixed Mexico plug, 4 USB output ports; z=H3, means fixed Mexico plug, 2 USB output ports+one cable output; z=h3c, means fixed Mexico plug, 2 USB output



Prüfbericht - Nr.: 17057901 002

Seite 7 von 17 Page 7 of 17

Test Report No.

ports+1 type C output; z=H3c, means fixed Mexico plug, 1 USB output port+1 type C output+1 cable output;

z=i2, means fixed China plug, 2 USB output ports; z=i3, means fixed China plug, 3 USB output ports; z=i4, means fixed China plug, 4 USB output ports; z=l3, means fixed China plug, 2 USB output ports+one cable output; z=i3c, means fixed China plug, 2 USB output ports+1 type C output; z=l3c, means fixed China plug, 1 USB output port+1 type C output+1 cable output;

z=j2, means fixed Brazil plug, 2 USB output ports; z=j3, means fixed Brazil plug, 3 USB output ports; z=j4, means fixed Brazil plug, 4 USB output ports; z=J3, means fixed Brazil plug, 2 USB output ports+one cable output; z=j3c, means fixed Brazil plug, 2 USB output ports+1 type C output; z=J3c, means fixed Brazil plug, 1 USB output port+1 type C output+1 cable output;

z=w2, means Detachable plug, 2 USB output ports; z=w3, means Detachable plug, 3 USB output ports; z=w4, means Detachable plug, 4 USB output ports; z=W3, means Detachable plug, 2 USB output ports+one cable output; z=w3c, means Detachable plug, 2 USB output ports+1 type C output; z=W3c, means Detachable plug, 1 USB output port+1 type C output; z=W3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type C output; z=w3c, means Detachable plug, 1 USB output port+1 type D output; z=w3c, means Detachable plug, 1 USB output port+1 type D output; z=w3c, means

Detailed variable 'x':

			205 Indicates fixed American plug and two USB outputs; the same as ASSA75a2
	x 205, 207, 208, 401, 402, 403	207 Indicates fixed European plug and two USB outputs; the same as ASSA75e2	
		205, 207, 208,	208 Indicates detachable plug and two USB output; the same as ASSA75w2
		401, 402, 403	401 Indicates fixed American plug and four USB outputs; the same as ASSA75a4
			403 Indicates fixed European plug and four USB outputs; the same as ASSA75e4
		402 Indicates detachable plug and four USB output. the same as ASSA75w4	

For more information refer to the circuit diagram & product specification.

3.2 Ratings and System Details

System Input Voltage: Rated Frequency: Rated Output: Protection Class: AC 100-240V 50/60Hz Refer to section 3.1



Prüfbericht - Nr.: 17057901 002

Test Report No.

002

Seite 8 von 17 Page 8 of 17

3.3 Independent Operation Modes

The basic operation modes are:

- A. On.
 - 1. Minimum load
 - 2. Medium load
 - 3. Maximum load
- B. Off.

3.4 Input / Output Ports

Port	Name	Type*	Cable	Cable	Comments
#			Max. >3m	Shielded	
0	Enclosure	N/E	—	—	None
1	AC Mains	AC	—	_	None
2	DC Output	DC	No	Non-shielded	None
*AC	= AC Power Port	DC = DC Power Port N/E = Non-Electrical			
I/O	= Signal Input or Output Port (Not Involved in Process Control)				
TP	= Telecommunication Ports				

3.5 Noise Generating and Noise Suppressing Parts

Sources of Interference:

- 1. IC Circuits
- 2. Transformer
- 3. Transistor
- *Highest internal frequency: Fx < 108MHz

Others refer to the Circuit Diagram/Photo Document for details.

Noise Suppressing Parts:

- 1. Inductor
- 2. Capacitor

Others refer to the Circuit Diagram/Photo Document for details.

3.6 Submitted Documents

- Schematic diagram

- User Manual

- Rating Label
- PCB Layout



17057901 002

Seite 9 von 17 Page 9 of 17

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

Immunity: The equipment under test (EUT) was configured to have its highest possible susceptibility against the tested phenomena. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5 and 6. According to the product characteristics and model difference indicated in section 3.1, all tests were applied on models ASSA75e2-050540, ASSA75w4-050540, ASSA75e3-050540, ASSA75e3-050540, ASSA75E3c-050540.

4.3 Special Accessories and Auxiliary Equipment

Resistance load was employed during testing. The EUTs were tested with following cables:

Cable name	Length (m)	Shield	Core No.	Detachable
AC Input Cord	1.2	No	2	Yes
DC output Cord	0.3	No	2	Yes

4.4 Countermeasures to achieve EMC Compliance

The test samples, which have been tested, contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.



17057901 002

Seite 10 von 17 Page 10 of 17

5. Test Results EMISSION

5.1 Emission in the Frequency Range up to 30 MHz

5.1.1 Harmonics on AC Mains

RESULT:

Pass

Test standard : EN 61000-3-2:2014

The EUTs' rated power is less than 75W and does not belong to lighting equipment, therefore harmonic current test is not applicable in accordance with Clause 7 of EN 61000-3-2:2014.





17057901 002

Seite 11 von 17 Page 11 of 17

5.1.2 Voltage Fluctuations on AC Mains

RESULT:

Pass

Test procedure	:	EN 61000-3-3:2013
Limit	:	Clause 5
Frequency range	:	0 - 2kHz

The maximum input power of the EUTs is 27W only, which unlikely to produce significant voltage fluctuation. Therefore no test was applied.

See clause 6.1***

*** EN 61000-3-3:2013, clause 6.1:" ... Tests need not be made on equipment which is unlikely to produce significant voltage fluctuations or flicker....".



Prüfbericht - Nr.: Test Report No.	17057901 002	Seite 12 von 17 Page 12 of 17
5.1.3 Conducted D	isturbance Voltage at Mains Terminals	
RESULT:		Pass
Date of testing Test standard Frequency range Classification Limits Kind of test site Tested Port	 2017-05-11, 2017-08-28 EN 55032:2012 0.150 - 30MHz Class B Table A.9 of EN 55032:2012 Shielded room AC Mains 	
Test setup		
Input Voltage Operation Condition Operation mode Artificial hand Earthing Ambient temperature Relative humidity Atmospheric pressure	 AC 100-240V, 50/60Hz According to clause C.3.5 & Annex D of EN 55032:2012 A Not applied Not connected 23°C 48% 101kPa 	

Detailed test data refer to attached Appendix 1.



Relative humidity

Atmospheric pressure



Prüfbericht - Nr.: Test Report No.	170	57901 002 s	Seite 13 von 17 Page 13 of 17	
5.2 Emission in the Frequency Range above 30 MHz				
5.2.1 Radiated Dis	sturban	ces (30-1000MHz)		
RESULT:			Pass	
Date of testing Test standard Frequency range Classification Limits Kind of test site Tested Port		2017-05-11, 2017-08-29 EN 55032:2012 30 - 1000MHz * Class B Table A.4 of EN 55032:2012 3m Semi-Anechoic Chamber Enclosure		
Test setup				
Input Voltage Operation Condition	:	AC 100-240V, 50/60Hz According to clause 7.3 of CISPR 16-2-3:2010+A & Annex D of EN 55032:2012	\ 1	
Operation mode Earthing Ambient temperature	:	A Not connected 23°C		

*Remark: The highest internal source of an EUT is defined as the highest frequency generated or used within the EUT or on which the EUT operates or tunes, details refer to section 3.5. \boxtimes highest frequency is less than 108MHz, measurement shall only be made up to 1GHz. highest frequency is between 108 & 500MHz, measurement shall only be made up to 2GHz highest frequency is between 500 & 1GHz, measurement shall only be made up to 5GHz highest frequency is above 1GHz, measurement shall be made up to 5 times the highest frequency or 6GHz, whichever is less

48%

101kPa

:

:

Method: Measurements were made in a 3-meter semi-anechoic chamber or Open Area Test Site that complies to CISPR 16. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 10 meter below 1GHz and 3 meter above 1GHz. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in horizontal and vertical polarities. Final measurements (quasi-peak detector below 1GHz) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.

Detailed test data refer to attached Appendix 1.



Prüfbericht - Nr.: 17057901 002

Seite 14 von 17 Page 14 of 17

Test Report No.

5.2.2 Radiated Disturbances (Above 1GHz)

Not Applicable

. . . .

Date of testing	:	
Test standard	:	EN 55032:2012
Frequency range	:	1 – 6GHz*
Classification	:	Class B
Limits	:	Table A.5 of EN 55032:2012
Kind of test site	:	3m Semi-Anechoic Chamber
Tested Port	:	Enclosure

*Remark: The highest internal source of an EUT is defined as the highest frequency generated or used within the EUT or on which the EUT operates or tunes, details refer to section 3.5. Highest frequency is less than 108MHz, measurement shall only be made up to 1GHz Highest frequency is between 108 & 500MHz, measurement shall only be made up to 2GHz Highest frequency is between 500 & 1GHz, measurement shall only be made up to 5GHz Highest frequency is above 1GHz, measurement shall be made up to 5 times the highest frequency or 6GHz, whichever is less.

<u>Method:</u> Measurements were made in a 3-meter semi-anechoic chamber or Open Area Test Site that complies to CISPR 16. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 3 meter below 1GHz and 3 meter above 1GHz. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in horizontal and vertical polarities. Final measurements (average detector above 1GHz) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.



Prüfbericht - Nr.: Test Report No.	17057901 002	Seite 15 von 17 Page 15 of 17
6. Test Results	SIMMUNITY	
6.1 Classification	of apparatus	
According to EN 55024:20 & 10, and comply with the p	10, the EUTs shall be tested in accordance with clau performance criterion in table 1, 2 & 4 of clause 10.	se 4, 6
Continuous Disturbance		
Radio-Frequency El Radio-Frequency Co Power Frequency N	lectromagnetic Field Amplitude Susceptibility (RS) ommon mode / Conducted Susceptibility(CS) lagnetic Fields *	Criterion A Criterion A Criterion A
Transient Disturbance		
Electrical Fast Trans Surge Electrostatic Discha	sients (EFT) rges (ESD)	Criterion B Criterion B Criterion B
Power supply Alterations		
Voltage Dips, >95% r 30% r Voltage Interruptions,	eduction, 0.5 period eduction, 25 periods , >95% reduction, 250 periods	Criterion B Criterion C Criterion C
"*": The EUTs do not conta Power-Frequency Mag	ain devices susceptible to magnetic field, therefore the inetic Fields test is not necessary.	}
Remark: For test results, re	efer to test report 17057901 001.	



Seite 16 von 17 Page 16 of 17

7. Photographs of the Test Set-Up Photograph 1: Set-up for Conducted Disturbance Voltage at Mains Terminals



Photograph 2: Set-up for Radiated Disturbance (30-1000MHz)





rodukte roducts	Appendix 1 17057901 002 Page 1 of 24	einland®
	ACCURATE TECHNOLOGY CO., LTD CONDUCTED EMISSION STANDARD EN 55032 B	
	Manufacturer: AQUIL STAR PRECISION INDUSTRIAL (SHENZHEN) CO., LTD. Operating Condition: Maximum load Test Site: 1#Shielding Room Operator: PING Test Specification: N 240V/50Hz Comment: Mains Port Start of Test: 8/28/2017 /	
	SCAN TABLE: "V 9K-30MHz fin" Short Description: SUB_STD_VTERM2 1.70 Start Stop Step Detector Meas. IF Transducer Frequency Frequency Width Time Bandw. 9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK8126 2008 Average 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008 Average	
	Level [dBµV]	
	x x x MES T-0828-12_fin + + + MES T-0828-12_fin2 	
	MEASUREMENT RESULT: "T-0828-12_fin" 8/28/2017 Frequency Level Transd Limit Margin Detector Line PE MHz dBµV dB dBµV dB	
	0.188327 51.50 10.5 64 12.6 QP N GND 0.206437 49.80 10.5 63 13.5 QP N GND 23.307959 28.40 11.5 60 31.6 QP N GND	
	MEASUREMENT RESULT: "T-0828-12_fin2"	
	8/28/2017 Frequency Level Transd Limit Margin Detector Line PE MHz dBμV dB dBμV dB	
	0.194439 34.10 10.5 54 19.7 AV N GND 0.247062 28.60 10.6 52 23.3 AV N GND 22.938732 20.80 11.4 50 29.2 AV N GND	

Page 1/1 8/28/2017 T-0828-12

odukte oducts		Appendix 1 17057901 002 Page 2 of 24	<u></u> τΰvr	heinland®
	ACCURATE TECHNOLOGY CO.,LT CONDUCTED EMISSION STANDAR EUT: SWITCHING I Manufacturer: AQUIL STAR Operating Condition: Maximum loo Test Site: 1#Shielding Operator: PING Test Specification: L 240V/50H Comment: Mains Port	D D EN 55032 B ADAPTER M/N:ASSA75E3c- PRECISION INDUSTRIAL ad g Room z	050540 (SHENZHEN) CO., LTD.	
	SCAN TABLE: "V 9K-30MHz f Short Description: Start Stop Step Frequency Frequency Width 9.0 kHz 150.0 kHz 100.0 Hz 150.0 kHz 30.0 MHz 5.0 kHz	in" _SUB_STD_VTERM2 1.70 Detector Meas. Time z QuasiPeak 1.0 s Average QuasiPeak 1.0 s Average	IF Transducer Bandw. 200 Hz NSLK8126 2008 9 kHz NSLK8126 2008	
	Level [dBµV] 80 60 50 40 50 50 50 50 50 50 50 50 50 5			
	150k 300k 400k 600k 800k 1M	2M 3M 4M 5 Frequency [Hz]	5M 6M 8M 10M 20M 30M	
	MES T-0828-13_pre MES T-0828-13_pre2 LIM EN 55032B V QP Voltage Q LIM EN 55032B V AV Voltage A	P V		
	MEASUREMENT RESULT: "T-082 8/28/2017 Frequency Level Transd : MHz dBuV dB	8-13_fin" Limit Margin Detecto dBµV dB	r Line PE	
	0.182408 50.60 10.5 0.196781 49.60 10.5 22.847342 28.30 11.4	64 13.8 QP 64 14.1 QP 60 31.7 QP	L1 GND L1 GND L1 GND	
	MEASUREMENT RESULT: "T-082	8-13_fin2"		
	8/28/2017 Frequency Level Transd : MHz dBμV dB	Limit Margin Detecto dBµV dB	r Line PE	
	0.191358 33.70 10.5 0.268666 28.50 10.6 22.938732 20.40 11.4	54 20.3 AV 51 22.7 AV 50 29.6 AV	L1 GND L1 GND L1 GND	

Page 1/1 8/28/2017 T-0828-13

Produkte Products	Appendix 1 17057901 002 Page 3 of 24 TÜVRheinland [®]
	ACCURATE TECHNOLOGY CO.,LTD CONDUCTED EMISSION STANDARD EN 55032 B
	EUT: SWITCHING ADAPTER M/N:ASSA75W3-050540 Manufacturer: AQUIL STAR PRECISION INDUSTRIAL (SHENZHEN) CO., LTD. Operating Condition: Maximum load Test Site: I#Shielding Room Operator: PING Test Specification: L 240V/50Hz Comment: Mains Port Start of Test: 5/11/2017 /
	SCAN TABLE: "V 9K-30MHz fin" Short Description: SUB_STD_VTERM2 1.70 Start Stop Detector Meas. IF Transducer Frequency Frequency Width Time Bandw. 9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK8126 2008 Average 150.0 kHz 5.0 kHz QuasiPeak 1.0 s 9. kHz NSLK8126 2008
	Level [dBµV]
	80 70 60 40 40 50 40 50 40 50 40 50 50 40 50 50 50 50 50 50 50 50 50 5
	x x x MES T-0511-23_fin + + + MES T-0511-23_pre
	MEASUREMENT RESULT: "T-0511-23_fin" 5/11/2017 Frequency Level Transd Limit Margin Detector Line PE MHz dBuV dB dBuV dB
	0.155000 58.30 10.5 66 7.4 QP L1 GND 0.200000 51.90 10.5 64 11.7 QP L1 GND 0.255000 46.90 10.6 62 14.7 QP L1 GND
	MEASUREMENT RESULT: "T-0511-23_fin2"
	5/11/2017 Frequency Level Transd Limit Margin Detector Line PE MHz dBµV dB dBµV dB
	0.155000 45.60 10.5 56 10.1 AV L1 GND 0.205000 40.60 10.5 53 12.8 AV L1 GND 0.255000 34.50 10.6 52 17.1 AV L1 GND

rodukte roducts		Appendix 17057901 Page 4 of 2	1 002 24	TÜV Rheinland [®]
	ACCURATE TECHNOLOGY CO	D.,LTD		
	CONDUCTED EMISSION ST	NDARD EN 55032	В	
	EUT: SWITC Manufacturer: AQUII Operating Condition: Maxim Test Site: 1#Shi Operator: PING Test Specification: N 240 Comment: Mains Start of Test: 5/11/	HING ADAPTER M/N:AS STAR PRECISION INI um load elding Room V/50Hz Port 2017 /	SA75W3-050540 USTRIAL (SHENZ	HEN) CO., LTD.
	SCAN TABLE: "V 9K-301 Short Description: Start Stop St	MHz fin" _SUB_STD_VTEF ep Detector	RM2 1.70 Meas. IF	Transducer
	Frequency Frequency Wi 9.0 kHz 150.0 kHz 10	dth 0.0 Hz QuasiPeak	Time Bandw 1.0 s 200 H	z NSLK8126 2008
	150.0 kHz 30.0 MHz 5.	Average 0 kHz QuasiPeak Average	1.0 s 9 kHz	NSLK8126 2008
	Level [dBµV]			
	80 60 50 40 30 20 10 0 150k 300k 400k 600k	300k 1M 2M Frequency [H	3M 4M 5M 6M	8M 10M 20M 30M
	X X X MES T=0511=24 fin + + + MES T=0511=24 fin2 	ltage QP ltage AV		
	MEASUREMENT RESULT: ""	-0511-24_fin"		
	5/11/2017 Frequency Level Tra MHz dBµV	nsd Limit Margin dB dBµV dB	Detector Lin	e PE
	0.155000 56.50 1	0.5 66 9.2	QP N OP N	GND GND
	0.250000 45.00 1	0.6 62 16.8	QP N	GND
	MEASUREMENT RESULT: ""	-0511-24_fin2"		
	5/11/2017 Frequency Level Tra MHz dBµV	— nsd Limit Margin dB dBµV dB	Detector Lin	e PE
	0.155000 45.20 1 0.205000 40.20 1	0.5 56 10.5 0.5 53 13.2	AV N AV N	GND GND

Jukte ducts		Appendix 1 17057901 002 Page 5 of 24	TÜV Rheinlan
	ACCURATE TECHNOLOGY CO., L' CONDUCTED EMISSION STANDAN EUT: SWITCHING Manufacturer: AQUIL STAN Operating Condition: Maximum LC Test Site: 1#Shieldir Operator: PING Test Specification: N 240V/50F Comment: Mains Port Start of Test: 5/11/2017 SCAN TABLE: "V 9K-30MHz : Short Description: Start Stop Step Frequency Frequency Width 9.0 kHz 150.0 kHz 100.0 H	TD RD EN 55032 B ADAPTER M/N:ASSA75e2-05 R PRECISION INDUSTRIAL (ad ag Room Iz	50540 (SHENZHEN) CO., LTD. IF Transducer Bandw. 200 Hz NSLK8126 2008
	Level [dBµV] 80 70 60 50 80 70 60 70 60 70 70 60 70 70 70 70 70 70 70 70 70 7	Average Average	M 6M 8M 10M 20M 30M
	MEASUREMENT RESULT: "T-05: 5/11/2017 Frequency Level Transd MHz dBµV dB 0.155000 52.60 10.5 0.180000 49.20 10.5 0.240000 42.00 10.6	11-25_fin" Limit Margin Detector dBμV dB 66 13.1 QP 65 15.3 QP 62 20.1 QP 11-25 fin2"	r Line PE N GND N GND N GND
	5/11/2017 Frequency Level Transd	LI-25_IIN2" Limit Margin Detector	: Line PE
	MHz dBμV dB 0.150000 38.40 10.5 0.185000 36.50 10.5 0.210000 31.20 10.5	dBμV dB 56 17.6 AV 54 17.8 AV 53 22.0 AV	N GND N GND N GND

u kte icts	Appendix 17057901 (Page 6 of 2	1)02 24	TÜV Rheinlan
	ACCURATE TECHNOLOGY CO.,LTD CONDUCTED EMISSION STANDARD EN 55032 M EUT: SWITCHING ADAPTER M/N:AS Manufacturer: AQUIL STAR PRECISION IND Operating Condition: Maximum load Test Site: I#Shielding Room Operator: PING Test Specification: L 240V/50Hz Comment: Mains Port Start of Test: 5/11/2017 /	3 SA75e2-050540 USTRIAL (SHEN:	ZHEN) CO., LTD.
	SCAN TABLE: "V 9K-30MHz fin" Short Description: SUB_STD_VTER Start Stop Step Detector Frequency Frequency Width 9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak Average 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak Average	M2 1.70 Meas. IF Time Bandu 1.0 s 200 1 1.0 s 9 kH	Transducer W. Hz NSLK8126 2008 z NSLK8126 2008
	Level (dbµv) 80 70 60 50 40 10 10 150k 300k 400k 600k 800k 1M 2M Frequency [Hz × × × MES T-0511-26_fin + + + MES T-0511-26_fin + + + MES T-0511-26_pre MES T-0511-26_pre LIM EN 55032B V QP Voltage QP LIM EN 55032B V AV Voltage AV	3M 4M 5M 6M	8M 10M 20M 30M
	MEASUREMENT RESULT: "T-0511-26_fin" 5/11/2017 Frequency Level Transd Limit Margin MHz dBµV dB dBµV dB 0.150000 53.50 10.5 66 12.5 0.185000 52.20 10.5 64 12.1 0.230000 45.40 10.6 62 17.0	Detector Lin QP L1 QP L1 QP L1 QP L1	ne PE GND GND GND
	MEASUREMENT RESULT: "T-0511-26_fin2" 5/11/2017 Frequency Level Transd Limit Margin	Detector Lin	ne PE

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	ACCURATE TEC	HNOLOG	Y CO.,I	TD					
	CONDUCTED EM	ISSION	STANDA	RD EN	55032	В			
	EUT: Manufacturer: Operating Cond: Test Site: Operator: Test Specificat Comment: Start of Test:	S A ition: M P tion: L M 5	WITCHING QUIL STA aximum 1 #Shieldi ING 240V/50 ains Por /11/2017	ADAPTE R PRECI oad ng Room Hz t /	R M/N:AS SION INI	SA75e3-05 USTRIAL (:	0540 Shenzhe	N) CO., LTD.	
	SCAN TABLE: Short Descrip Start Si Frequency Fi 9.0 kHz 1	"V 9K otion: top requency 50.0 kHz	-30MHz Step Width 100.0	fin" _SUB_ De Hz Qu Av	STD_VTEF tector asiPeak verage	RM2 1.70 Meas. Time 1 1.0 s	IF Bandw. 200 Hz	Transducer NSLK8126 2008	
	150.0 kHz 30	0.0 MHz	5.0 kH	z Qu Av	lasiPeak Verage	1.0 s	9 kHz	NSLK8126 2008	
	Level [dBuV]								
	80 70 60 50 40 30 	400k 6			2M Frequency [Hz	ам 4M 5M	1 6M 8N	1 10M 20M 30M	
	A A MES 1-0511-2 + + + HES T-0511-2 MES T-0511-2 	7_fin2 7_pre 7_pre2 B V QP B V AV	Voltage Voltage	QP AV					
	MEASUREMENT	RESULT	: "T-05	11-27_	fin"				
	5/11/2017 Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE	
	0.150000 0.170000 0.200000	50.70 52.10 45.30	10.5 10.5 10.5	66 65 64	15.3 12.9 18.3	QP QP QP	L1 L1 L1	GND GND GND	
	MEASUREMENT	RESULT	: "т-05	11-27_	fin2"				
	5/11/2017 Frequency	Level dBuV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE	
	1-1112								

odukte roducts	Appendix 1 17057901 002 Page 8 of 24 TÜVRheinland
	ACCURATE TECHNOLOGY CO. LTD
	CONDUCTED EMISSION STANDARD EN 55032 B
	EUT: SWITCHING ADAPTER M/N:ASSA75e3-050540 Manufacturer: AQUIL STAR PRECISION INDUSTRIAL (SHENZHEN) CO., LTD. Operating Condition: Maximum load Test Site: 1#Shielding Room Operator: PING Test Specification: N 240V/50Hz Comment: Mains Port Start of Test: 5/11/2017 /
	SCAN TABLE: "V 9K-30MHz fin" Short Description:SUB_STD_VTERM2 1.70 Start Stop Step Detector Meas. IF Transducer Frequency Frequency Width Time Bandw. 9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK8126 2008 Average 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008 Average
	Level [dBµV]
	60 50 40 20 10 150k 300k 400k 600k 800k 1M 2M 3M 4M 5M 6M 8M 10M 20M 30M Frequency [Hz]
	x x XMES T-0511-20_fin + + + MES T-0511-20_fin2
	MEASUREMENT RESULT: "T-0511-28_fin"
	5/11/2017 Frequency Level Transd Limit Margin Detector Line PE MHz dBμV dB dBμV dB
	0.150000 51.10 10.5 66 14.9 QP N GND 0.170000 51.10 10.5 65 13.9 QP N GND 0.205000 46.50 10.5 63 16.9 QP N GND
	MEASUREMENT RESULT: "T-0511-28_fin2"
	5/11/2017
	Frequency Level Transd Limit Margin Detector Line PE MHz dBµV dB dBµV dB

r odukte Products	Append 1705790 Page 9 d	ix 1 1 002 f 24	TÜV Rheinland®
	ACCURATE TECHNOLOGY CO.,LTD CONDUCTED EMISSION STANDARD EN 5503. EUT: SWITCHING ADAPTER M/N Manufacturer: AQUIL STAR PRECISION : Operating Condition: Maximum load Test Site: I#Shielding Room Operator: PING Test Specification: N 240V/50Hz Comment: Mains Port	2 B ASSA75w4-05054 NDUSTRIAL (SHI	40 ENZHEN) CO., LTD.
	SCAN TABLE: "V 9K-30MHz fin" Short Description:SUB_STD_V Start Stop Step Detector Frequency Frequency Width 9.0 kHz 150.0 kHz 100.0 Hz QuasiPea Average 150.0 kHz 30.0 MHz 5.0 kHz QuasiPea Average	YERM2 1.70 Meas. IF Time Ban Nk 1.0 s 200 Nk 1.0 s 9 1	Transducer ndw. D Hz NSLK8126 2008 KHz NSLK8126 2008
	Level [dBµV] 80 70 60 50 40 30 20 10 150k 300k 400k 600k 800k 1M 2M Frequency	3M 4M 5M 6P	A 8M 10M 20M 30M
	<pre>x x x MES T-0511-29 fin + + + MES T-0511-29_fin2</pre>		
	MEASUREMENT RESULT: "T-0511-29_fin" 5/11/2017 Frequency Level Transd Limit Marg: MHz dBµV dB dBµV o	n Detector 1 18	Line PE
	0.17000053.0010.565120.20000048.1010.564150.23500044.0010.66218	0 QP 1 5 QP 1 3 QP 1	1 GND 1 GND 1 GND
	MEASUREMENT RESULT: "T-0511-29_fin2 5/11/2017 Frequency Level Transd Limit Marg: MHz dBµV dB dBµV d	, n Detector 1 B	Line PE
	0.17000037.9010.555170.21000034.8010.553180.24000030.8010.65221	1 AV 1 4 AV 1 3 AV 1	4 GND 4 GND 4 GND

Produkte	Appendix 1 TÜVRheinland [®]
roducts	Page 10 of 24
	CONDUCTED EMISSION CTANDARD EN 55022 P
	EUT:SWITCHING ADAPTER M/N:ASSA75w4-050540Manufacturer:AQUIL STAR PRECISION INDUSTRIAL (SHENZHEN) CO., LTD.Operating Condition:Maximum loadTest Site:1#Shielding RoomOperator:PINGTest Specification:L 240V/50HzComment:Mains PortStart of Test:5/11/2017 /
	SCAN TABLE: "V 9K-30MHz fin" Short Description:SUB_STD_VTERM2 1.70 SUB_STD_VTERM2 1.70 StartStartStopStepStartStopStector Meas.FrequencyFrequencyWidth9.0 kHz150.0 kHz100.0 HzQuasiPeak 1.0 s200 HzNSLK8126 2008 Average150.0 kHz30.0 MHz5.0 kHzQuasiPeak 1.0 s9 kHzNSLK8126 2008 Average
	Level [dBµV]
	150k 300k 400k 600k 800k 1M 2M 3M 4M 5M 6M 8M 10M 20M 30M Frequency [Hz]
	X X X MES T-0511-30_fin + + + MES T-0511-30_fin2
	MEASUREMENT RESULT: "T-0511-30_fin" 5/11/2017 Frequency Level Transd Limit Margin Detector Line PE
	MHZ dBµV dB dBµV dB
	0.150000 49.80 10.5 66 16.2 QP L1 GND 0.170000 52.30 10.5 65 12.7 QP L1 GND 0.200000 46.60 10.5 64 17.0 QP L1 GND
	MEASUREMENT RESULT: "T-0511-30 fin2"
	— 5/11/2017 Frequency Level Transd Limit Margin Detector Line PE MHz dBμV dB dBμV dB
	0.170000 36.00 10.5 55 19.0 AV L1 GND 0.210000 33.40 10.5 53 19.8 AV L1 GND

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		1	uge i i oi	<u> </u>		
	ACCURATE TECHNOL	OGY CO.,LTD				
	CONDUCTED EMISSI	ON STANDARD	EN 55032	в		
	EUT: Manufacturer: Operating Condition Test Site: Operator: Test Specification: Comment: Start of Test:	SWITCHING ADA AQUIL STAR PR : Maximum load 1#Shielding R PING L 240V/50Hz Mains Port 5/11/2017 /	PTER M/N:AS ECISION INI .oom	SSA75e3c-0 DUSTRIAL (50540 SHENZHE	N) CO., LTD.
	SCAN TABLE: "V	9K-30MHz fin	" IIB STD VTER	2M2 1 70		
	Start Stop Frequency Freque		Detector	Meas. Time	IF Bandw.	Transducer
	9.0 kHz 150.0	kHz 100.0 Hz	QuasiPeak Average	1.0 s	200 Hz	NSLK8126 2008
	150.0 kHz 30.0 M	Hz 5.0 kHz	QuasiPeak Average	1.0 s	9 kHz	NSLK8126 2008
	Level [dBµV]					
	80 70 60 50 40 40 40 	600k 800k 1M	2M	3M 4M 5N	1 6M 8M	1 10M 20M 30M
	× × × MES T-0511-31_fin		Frequency [H	2]		
	MES T-0511-31_pre MES T-0511-31_pre MES T-0511-31_pre LIM EN 55032B V QP LIM EN 55032B V AV	Voltage QP Voltage AV				
	MEASUREMENT RESU	LT: "T-0511-	31_fin"			
	5/11/2017 Frequency Lev MHz dB	el Transd Lim µV dB dB	it Margin µV dB	Detector	Line	PE
	0.165000 54. 0.205000 50. 0.240000 44.	70 10.5 40 10.5 20 10.6	65 10.5 63 13.0 62 17.9	QP QP QP	L1 L1 L1	GND GND GND
	MEASUREMENT RESU	LT: "T-0511-	31_fin2"			
	5/11/2017 Frequency Lev MHz dB	el Transd Lim µV dB dB	uit Margin MV dB	Detector	Line	PE
	0.165000 40. 0.205000 36.	70 10.5 70 10.5	55 14.5 53 16.7	AV AV	L1 L1	GND GND

te			Ар 170	pendix 57901 (1 0 02		TÜV Rheinlar	nd	
S	Page 12 of 24								
	ACCURATE TECH	NOLOGY CO	.,LTD						
	CONDUCTED EMISSION STANDARD EN 55032 B								
	EUT: Manufacturer: Operating Condit Test Site: Operator: Test Specificati Comment: Start of Test:	SWITCH AQUIL ion: Maximu l#Shie PING on: N 240V Mains 5/11/2	ING ADAPTE STAR PRECI m load lding Room /50Hz Port 017 /	ER M/N:AS ISION IND n	SA75e3c-0 USTRIAL (:	50540 SHENZHE	N) CO., LTD.		
	SCAN TABLE: " Short Descript Start Sto Frequency Fre	V 9K-30M ion: p Ste quency Wid	H z fin" SUB_ pDe th	_STD_VTER etector	M2 1.70 Meas. Time	IF Bandw.	Transducer		
	9.0 kHz 150	.0 kHz 100	.0 Hz Qu Av	lasiPeak /erage	1.0 s	200 Hz	NSLK8126 2008		
	150.0 kHz 30.	0 MHz 5.0	kHz Qu Av	lasiPeak Verage	1.0 s	9 kHz	NSLK8126 2008		
	Level [dBµV]								
	80 70 60 40 30 10 150k 300k	400k 600k 80	Ok 1M	2M Frequency [Hz	3M 4M 5M	6M 8M	10M 20M 30M		
	x x x MES T-0511-32 + + + MES T-0511-32 	fin fin2 pre pre2 V QP Vol V AV Vol	tage QP tage AV						
	MEASUREMENT R	ESULT: "T	-0511-32_	_fin"					
	MEASUREMENT RI 5/11/2017 Frequency MHz	ESULT: "T Level Tran dBµV	- 0511-32_ sd Limit dB dBµV	_fin" Margin dB	Detector	Line	PE		
	MEASUREMENT R 5/11/2017 Frequency MHz 0.160000 0.205000 0.240000	ESULT: "Τ Level Tran dBμV 52.10 10 48.70 10 42.00 10	-0511-32_ sd Limit dB dBµV .5 66 .5 63 .6 62	_fin" Margin dB 13.4 14.7 20.1	Detector QP QP QP	Line N N N	PE GND GND GND		
	MEASUREMENT R 5/11/2017 Frequency MHz 0.160000 0.205000 0.240000 MEASUREMENT R	ESULT: "Τ Level Tran dBμV 52.10 10 48.70 10 42.00 10 ESULT: "Τ	-0511-32_ sd Limit dB dBµV .5 66 .5 63 .6 62 -0511-32_	_fin" Margin dB 13.4 14.7 20.1 _fin2"	Detector QP QP QP	Line N N N	PE GND GND GND		
	MEASUREMENT R 5/11/2017 Frequency MHz 0.160000 0.205000 0.240000 MEASUREMENT R 5/11/2017 Frequency MHz	ESULT: "T Level Tran dBµV 52.10 10 48.70 10 42.00 10 ESULT: "T Level Tran dBµV	-0511-32_ sd Limit dB dBµV .5 66 .5 63 .6 62 -0511-32_ sd Limit dB dBµV	_fin" Margin dB 13.4 14.7 20.1 _fin2" Margin dB	Detector QP QP QP Detector	Line N N Line	PE GND GND PE		

Appendix 1 🛆 TÜVRheinland® 17057901 002 Produkte Products Page 13 of 24 Site: 2# Chamber ACCURATE TECHNOLOGY CO., LTD. Tel:+86-0755-26503290 F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Fax:+86-0755-26503396 Science & Industry Park, Nanshan Shenzhen, P.R. China Job No.: PING #4008 Polarization: Horizontal Standard: EN55032 ClassB Radiated Power Source: AC 240V/50Hz Date: 17/08/29/ Test item: Radiation Test Temp.(C)/Hum.(%) 23 C / 48 % Time: EUT: SWITCHING ADAPTER Engineer Signature: PING Mode: Maximum load Distance: 3m ASSA75E3c-050540 Model: Manufacturer: AQUIL STAR PRECISION INDUSTRIAL (SHENZHEN) CO., LTD. Note: dBuV/m 70.0 limit1: 60 50 40 30 white 20 10 0.0 30.000 40 50 60 70 80 300 400 500 600 700 1000.0 MHz Freq. Reading Margin Factor Result Limit Height Degree No. Detector Remark (cm) (deg.) (dBuV/m) (MHz) (dBuV/m) (dB) (dBuV/m) (dB) 43.06 QP 121.9754 -13.29 29.77 40.00 -10.23 1 145.8610 46.65 40.00 QP 2 -15.09 31.56 -8.44 3 206.3976 41.99 -12.09 29.90 40.00 -10.10 QP













http://www.atc-lab.com









🛕 TÜVRheinland® Appendix 1 17057901 002 Produkte Products Page 24 of 24 R Site: 2# Chamber ACCURATE TECHNOLOGY CO., LTD. Tel:+86-0755-26503290 F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Fax:+86-0755-26503396 Science & Industry Park, Nanshan Shenzhen, P.R. China Job No.: PING #3084 Polarization: Horizontal Standard: EN55032 ClassB Radiated Power Source: AC 240V/50Hz Date: 2017/05/11 Test item: Radiation Test Temp.(C)/Hum.(%) 23 C / 48 % Time: EUT: SWITCHING ADAPTER Engineer Signature: PING Maximum load Distance: 3m Mode: ASSA75w4-050540 Model: Manufacturer: AQUIL STAR PRECISION INDUSTRIAL (SHENZHEN) CO., LTD. Note: 70.0 dBuV/m limit1: 60 50 40 30 20 10 0.0 30.000 40 50 60 70 80 300 400 500 600 700 1000.0 MHz Freq. Result Reading Limit Margin Factor Height Degree No. Detector Remark (deg.) (MHz) (dBuV/m) (dB) (dBuV/m) (dBuV/m) (dB) (cm) 117.3602 37.18 -13.07 24.11 40.00 QP -15.89 1 2 142.8243 43.46 -15.11 28.35 40.00 -11.65 QP 3 219.8448 36.48 -11.51 24.97 40.00 -15.03 QP

Appendix 2 17057901 002



Produkte Products

Page 1 of 1

Measurement Uncertainties

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus.

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor of k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

Table 1: Measurement Uncertainty levels

Test	Parameters	Expanded uncertainty (U _{lab})	Expanded uncertainty (U _{cispr})	
Conducted Emission	Level accuracy (9kHz to 150kHz) (150kHz to 30MHz)	± 2.81 dB ± 2.89 dB	± 3.8 dB ± 3.4 dB	
Power disturbance	Level accuracy (30MHz to 300MHz)	± 4.22 dB	± 4.5 dB	
Electromagnetic Radiated Emission (3-loop)	Level accuracy (9kHz to 30MHz)	± 2.46 dB	N/A	
Radiated Emission	Level accuracy (9kHz to 30MHz)	± 3.79 dB	N/A	
Radiated Emission	Level accuracy (30MHz to 1000MHz)	± 5.10 dB ± 5.08 dB	± 6.3 dB	
Radiated Emission	Level accuracy (above 1000MHz)	± 5.54 dB	N/A	
Mains Harmonic	Voltage	± 5.51%	N/A	
Voltage Fluctuations & Flicker	Voltage	± 7.30%	N/A	

As U_{lab} in all applicable tests listed above are less than U_{cispr} according to CISPR 16-4-2:2011,

- compliance is deemed to occur if no measured disturbance exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance exceeds the disturbance limit.



CERTIFICATE

of Conformity EC Council Directive 2014/30/EU Electromagnetic Compatibility

Registration No.:

AE 50387476 0001

Report No.:

17057901 002

Holder:

AQUIL STAR PRECISION INDUSTRIAL (SHENZHEN) CO., LTD. BUILDING A AND B, THE NO.4 OF TENGFENG THIRD ROAD, FENGHUANG THIRD INDUSTRY, FUYONG TOWN BAOAN ZONE, SHENZHEN CITY P. R. China

Product:

Power Supply (SWITCHING ADAPTER)

Identification:Type Designation: ASSA75z-050yyy PCx-050yyy
('x','yyy','z' are variables, refer to test report)
Serial No. : n.a.
Remark: Refer to above-listed test report for details.Tested acc. to:EN 55032:2012

EN 61000-3-2:2014 EN 61000-3-3:2013 EN 55024:2010

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all provisions of Annex I of Council Directive 2014/30/EU. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to the a.m. Directive.

Date 05.09.2017

10/020 ± 04.08 (0) TU%, TUEV and TUV are registered trademarks. Utilisation and application requires prior approval.

Certification Body TÜVRheinland fizierung^e Johnny Lau

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may only be used if all relevant and effective EC Directives are complied with.

TÜV Rheinland (China) Ltd. Member of TÜV Rheinland Group



AQUIL STAR PRECISION INDUSTRIAL (SHENZHEN) CO., LTD.

Date : 05.09.2017 Our ref. : DK 02 Your ref.:

BUILDING A AND B, THE NO.4 OF TENGFENG THIRD ROAD, FENGHUANG THIRD INDUSTRY, FUYONG TOWN BAOAN ZONE, SHENZHEN CITY P. R. China

Ref : AE Certificate of Conformity EMC

Type of Equipment : SWITCHING ADAPTER Model Designation : See Certificate Certificate No. : AE 50387476 0001 Report No. : 17057901 002

Dear Ladies and Gentlemen,

We herewith confirm that a sample of the above mentioned technical equipment has been tested and was found to be in accordance with the relevant requirements.

Enclosed please find your Certificate of Conformity.

We appreciate your kind support and would like to offer our assistance and continuous services in the future.

With kind regards,

Certification Body

Johnny Lau

Enclosure

证书的详细资料请登陆www.certipedia.com查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询

TÜV Rheinland (China) Ltd. 莱茵检测认证服务(中国)有限公司

Unit 707, AVIC Bldg., No. 10B, Central Road, East 3rd Ring Road, Chaoyang District, Beijing, 100022, P.R.China

北京市朝阳区东三环中路乙10号 艾维克大厦707室 **邮编**: 100022 Tel: (8610)6566 6660 Fax: (8610)6566 6667 e-mail: info@bj.chn.tuv.com Internet: http://www.chn.tuv.com

CERTIFICATE



of Conformity Low Voltage Directive 2014/35/EU

Registration No.:

AN 50343614 0001

Report No.:

17057035 001

Holder:

AQUIL STAR PRECISION INDUSTRIAL (SHENZHEN) CO., LTD. BUILDING A AND B, THE NO.4 OF TENGFENG THIRD ROAD, FENGHUANG THIRD INDUSTRY, FUYONG TOWN BAOAN ZONE, SHENZHEN CITY P.R. China

Product:

Switching Power Supply (Switching Adapter)

Identification: Type Designation: ASSA75z-050yyy, PCx-050yyy
For detail of the variables z, x and yyy refer to
TÜV Rheinland license S 50343604 pages 0001-0003.
Serial No.: n.a.
Remark: Issued in conjunction with above TÜV Rheinland
license.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with Annex I of Council Directive 2014/35/EU, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex IV of the Directive.



Certification Body

Date 31.05.2016

10/020 d 04.08 @ TUV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approval

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

(E The CE marking may be used if all relevant and effective EC Directives are complied with.

TÜV Rheinland (China) Ltd. Member of TÜV Rheinland Group



: 31.05.2016

AOUIL STAR PRECISION INDUSTRIAL Date Our ref. : SHITERRY 02 (SHENZHEN) CO., LTD. Your ref.: C.Y. Chen Yan, Manager R&D BUILDING A AND B, THE NO.4 OF TENGFENG THIRD ROAD, FENGHUANG THIRD INDUSTRY, FUYONG TOWN BAOAN ZONE, SHENZHEN CITY P.R. China

Ref : AN Certificate of Conf. Low Voltage D.

Type of Equipment : Switching Adapter Model Designation : See Certificate Certificate No. : AN 50343614 0001 Report No. : 17057035 001

Dear Chen Yan,

We herewith confirm that a sample of the above mentioned technical equipment has been tested and was found to be in accordance with the relevant requirements.

Enclosed please find your Certificate of Conformity.

We appreciate your kind support and would like to offer our assistance and continuous services in the future.

With kind regards, Certification Body Dipl.-Ing. Univ. S. O. Steinke

Enclosure

证书的详细资料请登陆www.certipedia.com查阅,或拨打我司客服热线800 999 3668 / 400 883 1300容询

TÜV Rheinland (China) Ltd. 莱茵检测认证服务(中国)有限公司 Unit 707, AVIC Bldg., No. 10B, Central Road, East 3rd Ring Road, Chaoyang District, Beijing, 100022, P.R.China

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