



BUREAU VERITAS

Test Report No.: CE200624N009



TEST REPORT

Applicant	Ningbo TLC Electronic Industry Co., Ltd.
Address	No.273 Cizhang Rd., Zhangqi Town, Cixi City, Zhejiang Province, China

Manufacturer or Supplier	Ningbo TLC Electronic Industry Co., Ltd.	
Address	No.273 Cizhang Rd., Zhangqi Town, Cixi City, Zhejiang Province, China	
Product	Slow Juicer	
Brand Name	N/A	
Model	V11	
Additional Models & Model Difference	BR23E, BR23EA, BR23EB, BR20E, BR21E, BR22E, BR24E, BR25E, BR26E, BR27E, BR28E, BR29E, BR30E, BR037-22E00, BR074-22E00, BRXX7-23E00, etc. ; see items 1.1	
Date of tests	Jun. 24, 2020 ~ Jul. 01, 2020	

The submitted sample of the above equipment has been tested according to the requirements of the following standards:

- EN 55014-1:2017
- EN 55014-2:2015

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Breeze Jiang Senior Project Engineer / EMC Department	Approved by Madison Luo Assistant Manager / EMC Department
	Date: Jul. 07, 2020

This report is governed by, and incorporates by reference, CPS Conditions of Service as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

Bureau Veritas Shenzhen Co., Ltd.
Dongguan Branch

No. 96, Guantai Road (Houjie Section), Houjie Town, Dongguan City, Guangdong Province. 523942. People's Republic of China.

Tel: +86 769 8998 2098
Fax: +86 769 8593 1080
Email: customerservice.dg@cn.bureauveritas.com



Table of Contents

RELEASE CONTROL RECORD 3

1 GENERAL INFORMATION 4

1.1 GENERAL DESCRIPTION OF EUT4

1.2 DESCRIPTION OF TEST MODES5

1.3 SUMMARY OF TEST RESULTS6

2 EMISSION TEST 7

2.1 TERMINAL CONTINUOUS DISTURBANCE VOLTAGE EMISSION
MEASUREMENT7

2.1.1 TEST INSTRUMENTS7

2.1.2 TEST RESULTS8

2.2 RADIATED EMISSION MEASUREMENT12

2.2.1 TEST INSTRUMENTS12

2.2.2 TEST RESULTS13

3 IMMUNITY TEST 15

3.1 GENERAL PERFORMANCE CRITERIA DESCRIPTION15

3.2 ELECTROSTATIC DISCHARGE IMMUNITY TEST (ESD)16

3.2.1 TEST SPECIFICATION16

3.2.2 TEST INSTRUMENTS16

3.2.3 TEST RESULTS17

3.3 RADIATED, RADIO-FREQUENCY, ELECTROMAGNETIC FIELD IMMUNITY
TEST (RS)20

3.3.1 TEST SPECIFICATION20

3.3.2 TEST INSTRUMENTS20

3.3.3 TEST RESULTS21

3.4 ELECTRICAL FAST TRANSIENT/BURST IMMUNITY TEST (EFT)22

3.4.1 TEST SPECIFICATION22

3.4.2 TEST INSTRUMENTS22

3.4.3 TEST RESULTS23

3.5 IMMUNITY TO CONDUCTED DISTURBANCES INDUCED BY RF FIELDS (CS)24

3.5.1 TEST SPECIFICATION24

3.5.2 TEST INSTRUMENTS24

3.5.3 TEST RESULTS25

4 PHOTOGRAPHS OF THE TEST CONFIGURATION 26

5 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING
CHANGES TO THE EUT BY THE LAB 31



**BUREAU
VERITAS**

Test Report No.: CE200624N009

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
CE200624N009	Original release	Jul. 07, 2020

Bureau Veritas Shenzhen Co., Ltd.
Dongguan Branch

No. 96, Guantai Road (Houjie Section), Houjie
Town, Dongguan City, Guangdong Province.
523942. People's Republic of China.

Tel: +86 769 8998 2098
Fax: +86 769 8593 1080
Email: customerservice.dg@cn.bureauveritas.com



1 GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Slow Juicer
MODEL NO.	V11
ADDITIONAL MODELS	BR23E, BR23EA, BR23EB, BR20E, BR21E, BR22E, BR24E, BR25E, BR26E, BR27E, BR28E, BR29E, BR30E, BR037-22E00, BR074-22E00, BRXX7-23E00, BR037-23E00, BR074-23E00, BR037-25E00, BR074-25E00, BR037-26E00, BR074-26E00, BR037-27E00, BR074-27E00, BR037-28E00, BR074-28E00, BR037-29E00, BR074-29E00, BR037-30E, BR074-30E, BB02, BB02A, BB02B, BB02C, BB05, BB05A, BB05B, BB05C, BDVS01
POWER SUPPLY	DC 7.4V from Battery, Battery Charging: DC 5V from USB Host Unit
GROUP / CATEGORY	Category II
THE HIGHEST CLOCK FREQUENCY	Below 15MHz
CABLE SUPPLIED	USB Line: Unshielded, Detachable, 1.2m

Notes:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
3. Please refer to the EUT photo document (Reference No.: 200624N009) for detailed product photo.
4. Additional models (see above table) are identical with the test model V11 except model name for trading purpose.



1.2 DESCRIPTION OF TEST MODES

The EUT were tested under the following modes, the final worst mode was marked in boldface and recorded in this report.

CONDUCTED EMISSION TEST:

Description of Test Mode	Test Voltage
Charging	DC 5V from Adapter input AC 230V 50Hz

RADIATED EMISSION TEST:

Description of Test Mode	Test Voltage
Charging	DC 5V from Adapter input AC 230V 50Hz
Normal Working	DC 7.4V from Battery

ESD IMMUNITY TEST:

Description of Test Mode	Test Voltage
Charging	DC 5V from Adapter input AC 230V 50Hz
Normal Working	DC 7.4V from Battery

RS IMMUNITY TEST:

Description of Test Mode	Test Voltage
Normal Working	DC 7.4V from Battery

EFT AND CS IMMUNITY TESTS:

Description of Test Mode	Test Voltage
Charging	DC 5V from Adapter input AC 230V 50Hz



1.3 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

EMISSION			
Standard	Test Type	Result	Remark
EN 55014-1:2017	Terminal continuous disturbance voltage emission test (AC Mains)	PASS	Meets requirement limit Minimum passing margin is -16.12dB at 15.92475MHz
	Terminal continuous disturbance voltage emission test (DC Port)	PASS	Meets requirement limit Minimum passing margin is -3.26dB at 0.55275MHz
	Radiated Test (30MHz~1GHz)	PASS	Meets Limits Minimum passing margin is -3.40dB at 367.803MHz
IMMUNITY EN 55014-2:2015			
Standard	Test Type	Result	Remark
IEC 61000-4-2:2008 ED. 2.0	Electrostatic discharge immunity test	PASS	Meets the requirements of Performance Criterion A
IEC 61000-4-3:2010 ED. 3.2	Radiated, radio-frequency, electromagnetic field immunity test	PASS	Meets the requirements of Performance Criterion A
IEC 61000-4-4:2012 ED. 3.0	Electrical fast transient / burst immunity test.	PASS	Meets the requirements of Performance Criterion A
IEC 61000-4-6:2013 ED. 4.0	Immunity to conducted disturbances, induced by radio-frequency fields	PASS	Meets the requirements of Performance Criterion A

NOTE: The EN55014-1:2017, EN 55014-2:2015 Version required by client.



2 EMISSION TEST

2.1 TERMINAL CONTINUOUS DISTURBANCE VOLTAGE EMISSION MEASUREMENT

2.1.1 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR7	101494	Mar. 18,20	Mar. 17,21
Artificial Mains Network	Rohde&Schwarz	ENV216	101173	Mar. 18,20	Mar. 17,21
Artificial Mains Network	Rohde&Schwarz	ESH3-Z5	100317	Mar. 18,20	Mar. 17,21
Voltage probe	SCHWARZBEC K	TK 9421	TK 9421-176	Sep. 24,19	Sep. 23,20
Test software	ADT	ADT_Cond_V 7.3.7	N/A	N/A	N/A

- NOTES:
1. The test was performed in shielded room 553.
 2. Peak and average detector quick scan are showed on the graph and final quasi-peak and average detector data are measured, the worst-case is recorded in the following graph and table.
 3. Frequency range scanned: 150kHz to 30MHz.
 4. Only emissions significantly above equipment noise floor are reported.
 5. Uncertainty: ± 2.70 dB at a level of confidence of 95%.
 6. The calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

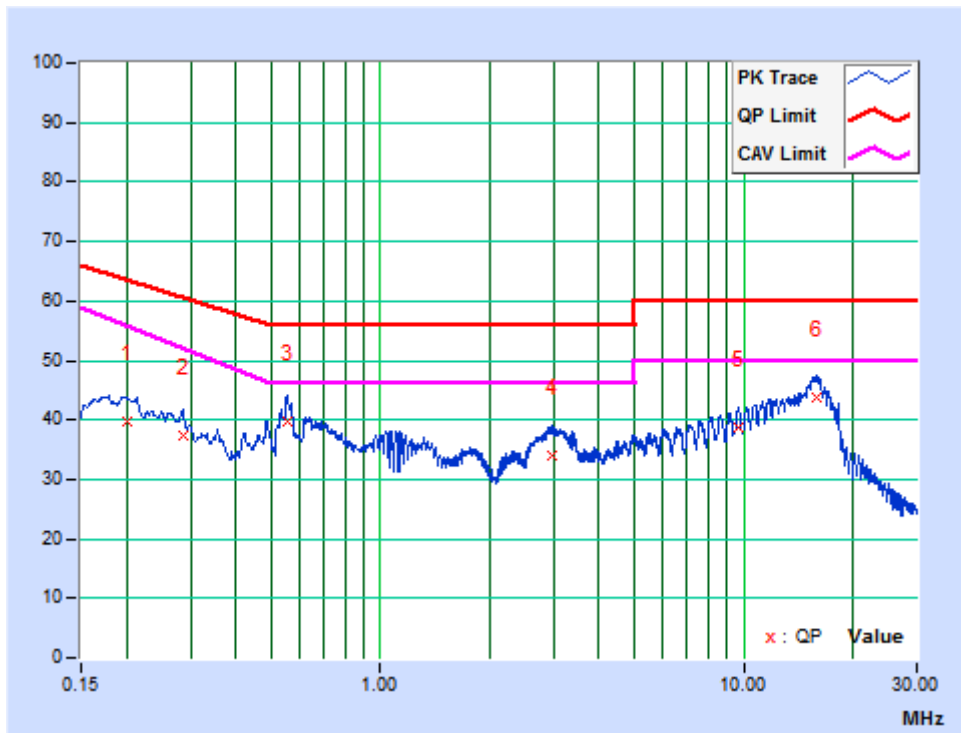


2.1.2 TEST RESULTS

AC Mains:

TEST MODE	Charging	6DB BANDWIDTH	9 kHz
TEST VOLTAGE	DC 5V from adapter input AC 230V 50Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	25deg. C, 57%RH	TESTED BY	Ming Bai

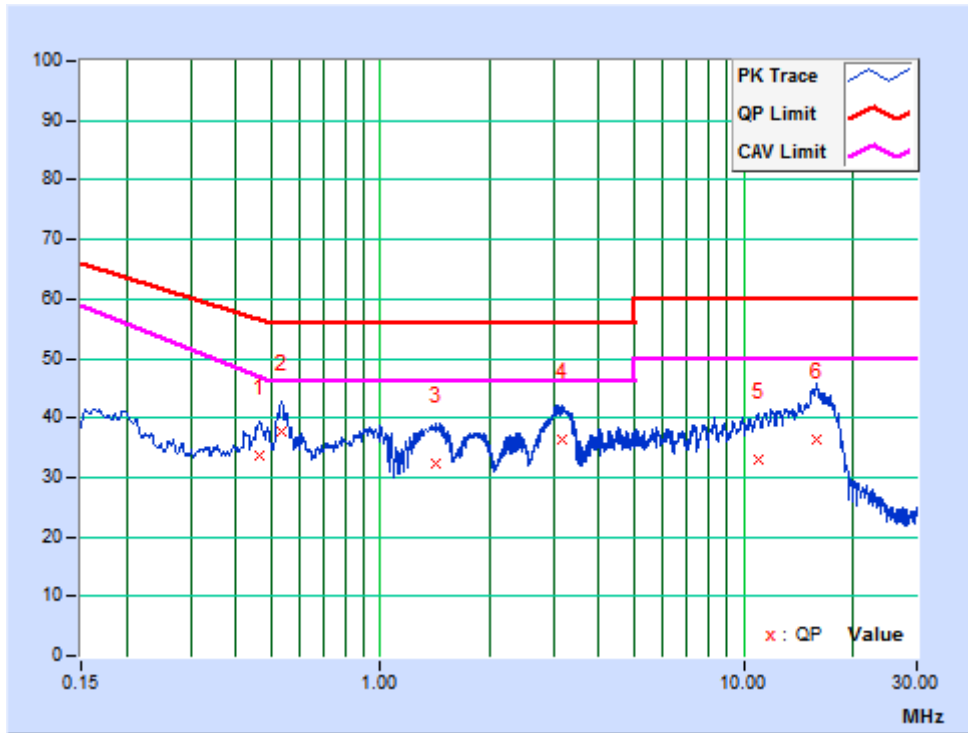
No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.19983	9.78	30.03	16.82	39.81	26.60	63.62	55.90	-23.81	-29.30
2	0.28500	9.78	27.64	15.42	37.42	25.20	60.67	52.07	-23.25	-26.87
3	0.55225	9.80	29.85	18.38	39.65	28.18	56.00	46.00	-16.35	-17.82
4	2.96700	9.84	24.00	17.68	33.84	27.52	56.00	46.00	-22.16	-18.48
5	9.68325	10.03	28.75	16.24	38.78	26.27	60.00	50.00	-21.22	-23.73
6	15.92475	10.19	33.69	21.73	43.88	31.92	60.00	50.00	-16.12	-18.08





TEST MODE	Charging	6DB BANDWIDTH	9 kHz
TEST VOLTAGE	DC 5V from adapter input AC 230V 50Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	25deg. C, 57%RH	TESTED BY	Ming Bai

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.46516	9.74	23.97	12.32	33.71	22.06	56.60	46.78	-22.89	-24.72
2	0.53362	9.74	27.85	14.67	37.59	24.41	56.00	46.00	-18.41	-21.59
3	1.42800	9.78	22.60	13.57	32.38	23.35	56.00	46.00	-23.62	-22.65
4	3.18075	9.79	26.50	16.18	36.29	25.97	56.00	46.00	-19.71	-20.03
5	10.94775	10.04	23.01	12.78	33.05	22.82	60.00	50.00	-26.95	-27.18
6	15.90000	10.19	26.12	14.09	36.31	24.28	60.00	50.00	-23.69	-25.72

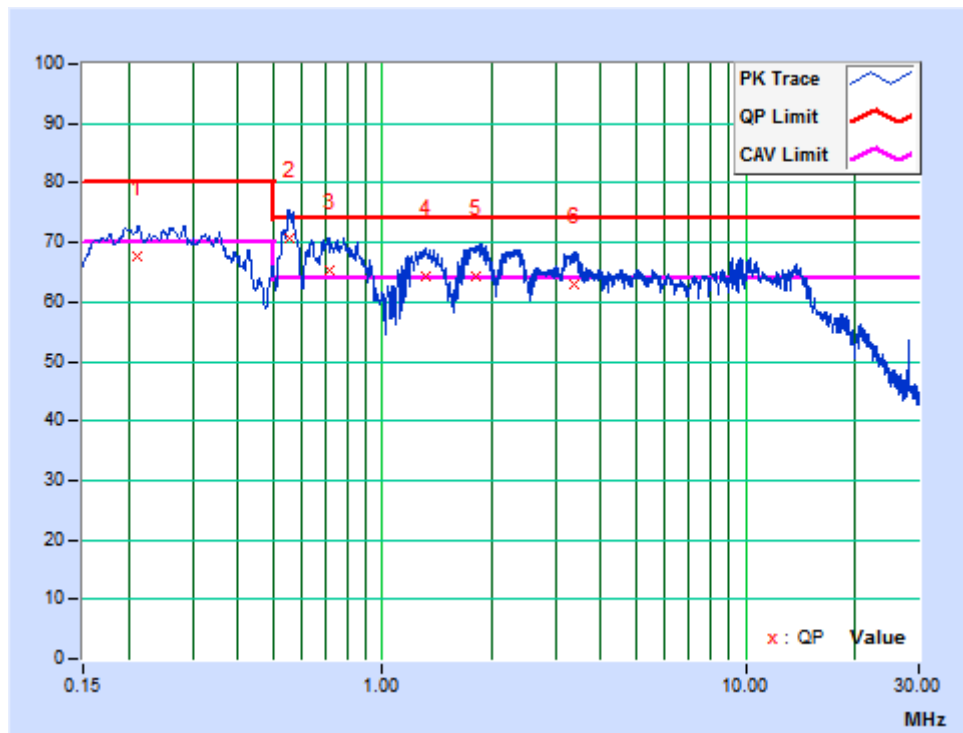




DC Port:

TEST MODE	Charging	6DB BANDWIDTH	9 kHz
TEST VOLTAGE	DC 5V from adapter input AC 230V 50Hz	PHASE	Positive (+)
ENVIRONMENTAL CONDITIONS	25deg. C, 57%RH	TESTED BY	Ming Bai

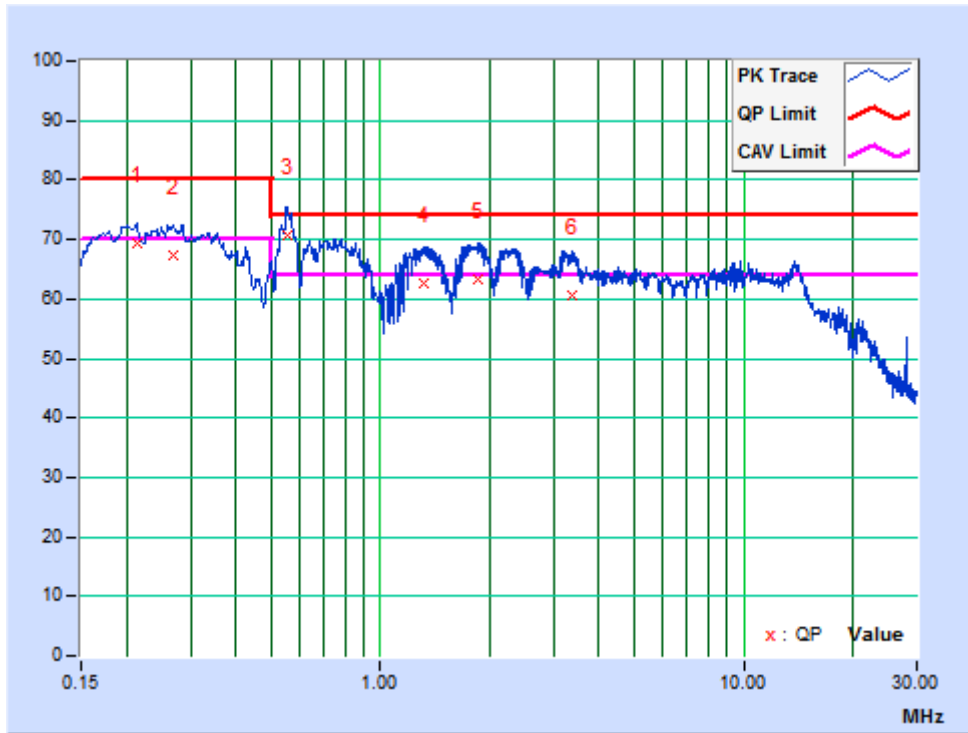
No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.21234	24.84	42.75	31.27	67.59	56.11	80.00	70.00	-12.41	-13.89
2	0.55225	24.24	46.42	36.11	70.66	60.35	74.00	64.00	-3.34	-3.65
3	0.71475	24.20	41.21	30.32	65.41	54.52	74.00	64.00	-8.59	-9.48
4	1.31100	24.10	40.14	30.32	64.24	54.42	74.00	64.00	-9.76	-9.58
5	1.80825	24.05	40.35	28.73	64.40	52.78	74.00	64.00	-9.60	-11.22
6	3.36300	23.88	39.03	30.71	62.91	54.59	74.00	64.00	-11.09	-9.41





TEST MODE	Charging	\6DB BANDWIDTH	9 kHz
TEST VOLTAGE	DC 5V from adapter input AC 230V 50Hz	PHASE	Negative (-)
ENVIRONMENTAL CONDITIONS	25deg. C, 57%RH	TESTED BY	Ming Bai

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.21291	24.84	44.46	30.95	69.30	55.79	80.00	70.00	-10.70	-14.21
2	0.26788	24.73	42.66	31.88	67.39	56.61	80.00	70.00	-12.61	-13.39
3	0.55275	24.24	46.50	36.31	70.74	60.55	74.00	64.00	-3.26	-3.45
4	1.31775	24.10	38.50	29.35	62.60	53.45	74.00	64.00	-11.40	-10.55
5	1.85100	24.04	39.38	29.32	63.42	53.36	74.00	64.00	-10.58	-10.64
6	3.38100	23.88	36.59	29.22	60.47	53.10	74.00	64.00	-13.53	-10.90





2.2 RADIATED EMISSION MEASUREMENT

2.2.1 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESU26	100005	May 14, 20	May 13, 21
EMI Test Receiver	Rohde&Schwarz	ESR7	101564	Mar. 18,20	Mar. 17,21
Trilog-Broadband Antenna	SCHWARZBECK	VULB 9168	9168-555	Nov. 24, 19	Nov. 23, 20
Trilog-Broadband Antenna	SCHWARZBECK	VULB 9168	9168-554	Dec. 01, 19	Nov. 30, 20
Preamplifier	EMCI	EMC1135	980378	Mar. 15,20	Mar. 14,21
Preamplifier	EMCI	EMC1135	980423	Mar. 15,20	Mar. 14,21
10m Semi-anechoic Chamber	CHANGLING	21.4m*12.1m*8.8m	NSEMC006	May 24,20	May 23,21
Test Software	ADT	ADT_Radiated_V8.7.07	N/A	N/A	N/A

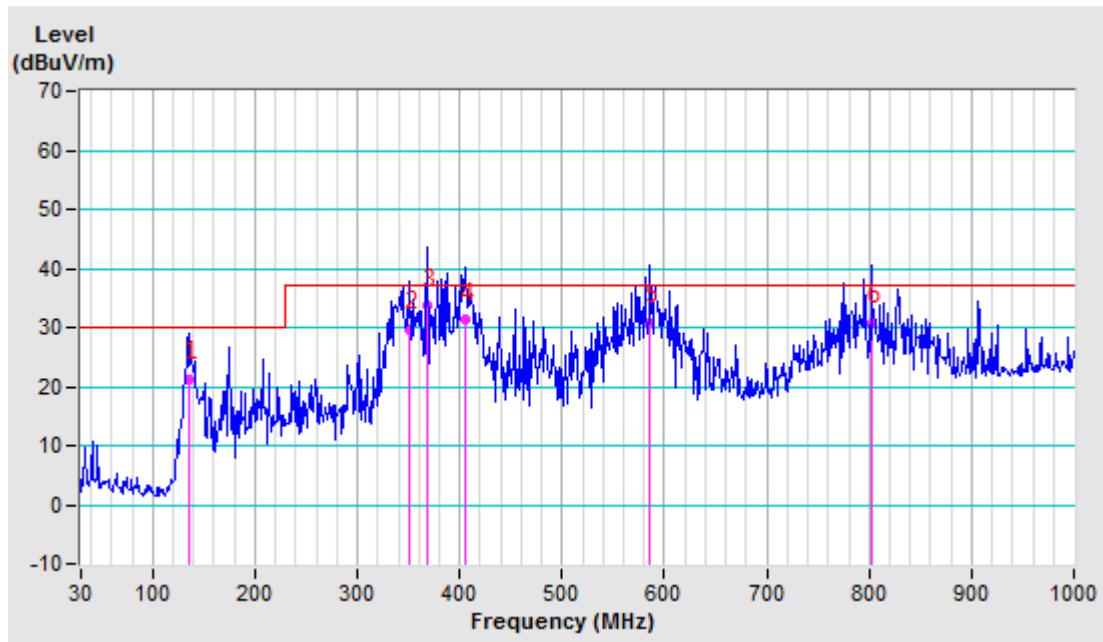
- NOTES:**
1. The test was performed in 10m Chamber.
 2. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 3. Negative sign (-) in the margin column signify levels below the limit.
 4. Frequency range scanned: 30MHz to 1000MHz.
 5. Only emissions significantly above equipment noise floor are reported.
 6. Uncertainty: ± 3.99 dB at a level of confidence of 95%.
 7. The calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.



2.2.2 TEST RESULTS

TEST MODE	Normal Working	FREQUENCY RANGE	30-1000 MHz
TEST VOLTAGE	DC 7.4V from Battery	DETECTOR FUNCTION & BANDWIDTH	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	26deg. C, 54% RH	TESTED BY: Kamiko	

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 10 M								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	135.245	-22.65	43.85	21.20	30.00	-8.80	400	308
2	351.555	-18.42	48.22	29.80	37.00	-7.20	400	89
3	367.803	-17.87	51.47	33.60	37.00	-3.40	200	78
4	405.996	-16.58	47.78	31.20	37.00	-5.80	200	234
5	586.174	-12.11	42.71	30.60	37.00	-6.40	200	356
6	802.363	-8.03	38.83	30.80	37.00	-6.20	400	194



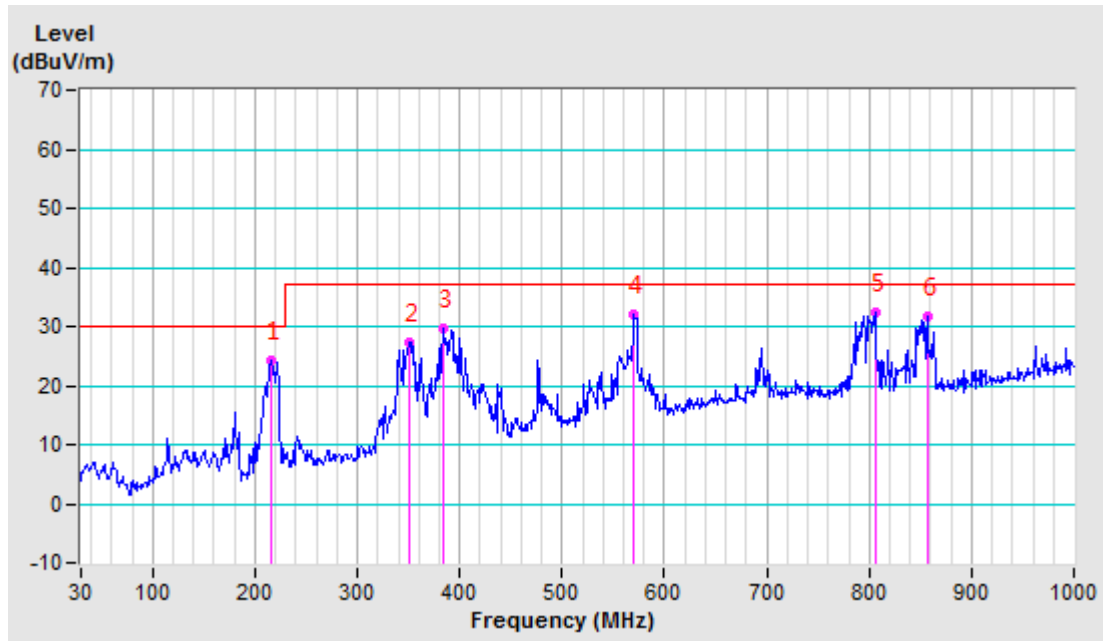


**BUREAU
VERITAS**

Test Report No.: CE200624N009

TEST MODE	Normal Working	FREQUENCY RANGE	30-1000 MHz
TEST VOLTAGE	DC 7.4V from Battery	DETECTOR FUNCTION & BANDWIDTH	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	26deg. C, 54% RH	TESTED BY: Kamiko	

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 10 M								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	215.182	-23.30	47.53	24.23	30.00	-5.77	100	180
2	351.086	-18.11	45.39	27.28	37.00	-9.72	100	28
3	384.262	-17.28	47.05	29.77	37.00	-7.23	300	358
4	570.560	-12.75	44.87	32.12	37.00	-4.88	300	358
5	805.457	-8.62	41.04	32.42	37.00	-4.58	300	54
6	857.063	-8.00	39.84	31.84	37.00	-5.16	300	358



Bureau Veritas Shenzhen Co., Ltd.
Dongguan Branch

No. 96, Guantai Road (Houjie Section), Houjie
Town, Dongguan City, Guangdong Province.
523942. People's Republic of China.

Tel: +86 769 8998 2098
Fax: +86 769 8593 1080
Email: customerservice.dg@cn.bureauveritas.com



3 IMMUNITY TEST

3.1 GENERAL PERFORMANCE CRITERIA DESCRIPTION

CRITERION A	The apparatus shall continue to operate as intended during the test. No degradation of performance or loss of function is allowed below a performance level (or permissible loss of performance) specified by the manufacturer, when the apparatus is used as intended. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and from what the user may reasonably expect from the apparatus if used as intended.
CRITERION B	The apparatus shall continue to operate as intended after the test. No degradation of performance or loss of function is allowed below a performance level (or permissible loss of performance) specified by the manufacturer, when the apparatus is used as intended. During the test, degradation of performance is allowed, however, No change of actual operating state or stored data is allowed. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and from what the user may reasonably expect from the apparatus if used as intended.
CRITERION C	Temporary loss of function is allowed, provided the function is self-recoverable or can be restored by the operation of the controls, or by any operation specified in the instructions for use.



3.2 ELECTROSTATIC DISCHARGE IMMUNITY TEST (ESD)

3.2.1 TEST SPECIFICATION

Basic Standard:	IEC 61000-4-2
Discharge Impedance:	330 ohm / 150 pF
Discharge Voltage:	Air Discharge : 8 kV (Direct) Contact Discharge : 4 kV (Direct & Indirect)
Polarity:	Positive & Negative
Number of Discharge:	20 times at each test point
Discharge Mode:	Single Discharge
Discharge Period:	1 second

3.2.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
ESD Generator	TESEQ	NSG 437	279	Mar. 06,20	Mar. 05,21
Test Software	TESEQ	V03.03	N/A	N/A	N/A
ESD Generator	EM TEST	Dito	V1211112265	Nov. 30,19	Nov. 29,20
Test Software	EM TEST	V 2.31	N/A	N/A	N/A

- NOTES:** 1. The test was performed in ESD Room
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.



3.2.3 TEST RESULTS

TEST MODE	See section 1.2	TEST VOLTAGE	See section 1.2
ENVIRONMENTAL CONDITIONS	24.54deg. C, 52.8% RH, 100.2kPa	TESTED BY: Dragon	

Direct Discharge Application				
Test Level (kV)	Polarity	Test Point	Test Result of Contact Discharge	Test Result of Air Discharge
4	+/-	All Metal Parts	A	N/A
8	+/-	All Non-metal Parts	N/A	A

Indirect Discharge Application				
Discharge Level (kV)	Polarity	Test Point	Test Result of HCP	Test Result of VCP
4	+/-	HCP	A	N/A
4	+/-	VCP	N/A	A

NOTE: A: There was no change compared with initial operation during the test.



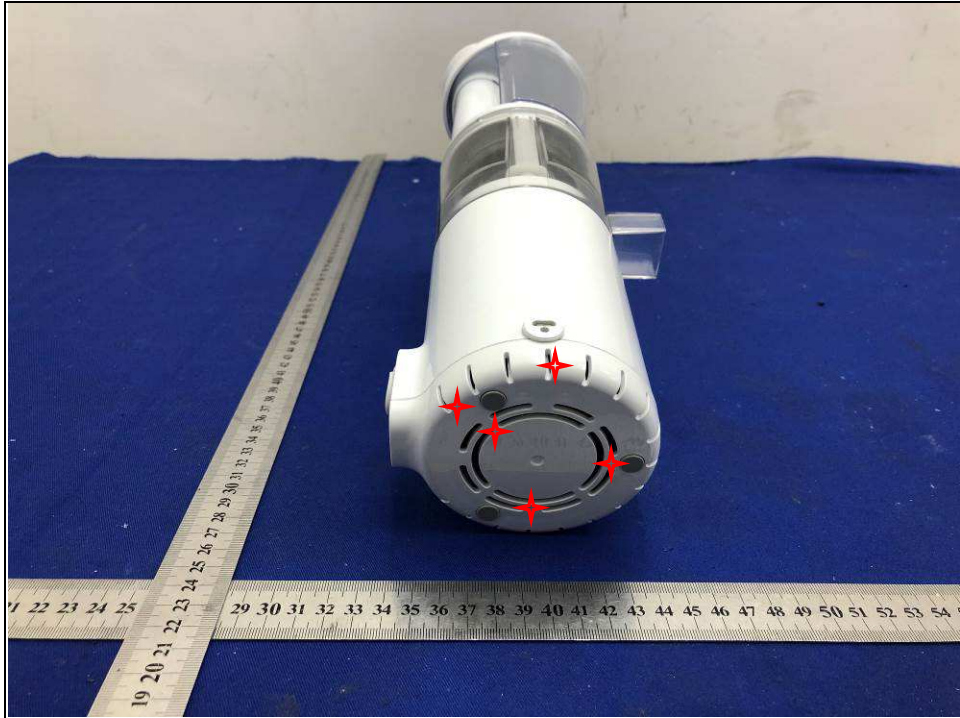
**BUREAU
VERITAS**

Test Report No.: CE200624N009

ESD TEST POINT

(○ - Direct Contact Discharge; ✦ - Air Discharge)







3.3 RADIATED, RADIO-FREQUENCY, ELECTROMAGNETIC FIELD IMMUNITY TEST (RS)

3.3.1 TEST SPECIFICATION

Basic Standard:	IEC 61000-4-3
Frequency Range:	80 MHz - 1000 MHz
Field Strength:	3 V/m
Modulation:	1 kHz Sine Wave, 80%, AM Modulation
Frequency Step:	1 % of fundamental
Polarity of Antenna:	Horizontal and Vertical
Antenna Height:	1.5 m
Dwell Time:	3 seconds

3.3.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Signal Generator	Agilent	N5181A	MY50142530	Sep. 12,19	Sep. 11,20
Antenna Log-Periodic	AR	ATR80M6G	0337307	N/A	N/A
Antenna Log-Periodic	AR	ATS700M11G	0336821	N/A	N/A
Switch Controller	AR	SC1000	0337343	N/A	N/A
RF Power Meter	Boonton	4242	13984	Sep. 12,19	Sep. 11,20
Power Sensor	Boonton	51011EMC	35716	Sep. 12,19	Sep. 11,20
Power Sensor	Boonton	51011EMC	35715	Sep. 12,19	Sep. 11,20
E-Field probe	Narda	NBM-520	2403/01B	Dec. 24,19	Dec. 23,20
Power Amplifier	TESEQ	CBA 1G-150	T44029	N/A	N/A
Power Amplifier	TESEQ	CBA 3G-100	T44030	N/A	N/A
Power Amplifier	TESEQ	CBA 6G-050	1041204	N/A	N/A
Dual Directional Coupler	TESEQ	C5982	95208	Sep. 21,19	Sep. 20,20
Dual Directional Coupler	TESEQ	C6187	95175	Sep. 21,19	Sep. 20,20
Dual Directional Coupler	TESEQ	CPH-274F	M251304-01	Sep. 21,19	Sep. 20,20
Audio analyzer	Rohde&Schwarz	UPV	101397	Sep. 18,19	Sep. 17,20
Conditioning Amplifier	B&K	2690A0S2	2437856	Oct. 18,19	Oct. 17,20
EAR SIMULATOR	B&K	4192	2764719	Jun. 01,20	May 30,21
Test Software	Tonscend	TS+	2.0.1.8	N/A	N/A
Test Software	ADT	BVADT_RS_V7.6 .4-DG	N/A	N/A	N/A

- NOTES:**
1. The test was performed in RS chamber.
 2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.



3.3.3 TEST RESULTS

TEST MODE	See section 2.1	TEST VOLTAGE	See section 2.1
ENVIRONMENTAL CONDITIONS	23.8deg. C, 65.1% RH	TESTED BY: Dragon	

Field Strength (V/m)	Test Frequency Note#1 (MHz)	Polarization of antenna (Horizontal / Vertical)	Test Distance (m)	Test Result	Remark
3	80 - 1000	H/V	3	A	N/A

Note#1:

Tested Israel SII Frequencies 89,100,107,144,163,196,244,315,434,460,600,825,845,880 MHz.

NOTE: A: There was no change compared with initial operation during the test.



3.4 ELECTRICAL FAST TRANSIENT/BURST IMMUNITY TEST (EFT)

3.4.1 TEST SPECIFICATION

Basic Standard:	IEC 61000-4-4
Test Voltage:	Power Line : 1 kV
Polarity:	Positive & Negative
Impulse Frequency:	5 kHz
Impulse Waveshape :	5/50 ns
Burst Duration:	15 ms
Burst Period:	300 ms
Test Duration:	2 minutes

3.4.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EFT Module	TESEQ	NSG 3060 Mainframe	1404	Mar. 25,20	Mar. 24,21
Automated 3- Phase Coupling/ Decoupling Network	TESEQ	CDN 3063	2131	Mar. 25,20	Mar. 24,21
EFT Coupling Clamp	HAEFELY	IP4A	150407	Mar. 18,20	Mar. 17,21
Test Software	TESEQ	CDM 3061_0002.30	1361	N/A	N/A
Test Software	TESEQ	HVM 3060_0002.30	293	N/A	N/A
EFT Tester	HAEFELY	PEFT4010	150546	Mar. 18,20	Mar. 17,21
EFT Coupling Clamp	HAEFELY	IP4A	150407	Mar. 18,20	Mar. 17,21
Test Software	HAEFELY	SWPE4010 1.22	N/A	N/A	N/A

- NOTES:** 1. The test was performed in EMS Room
 2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.



3.4.3 TEST RESULTS

TEST MODE	See section 1.2	TEST VOLTAGE	See section 1.2
ENVIRONMENTAL CONDITIONS	22.7 deg. C,54.6% RH	TESTED BY: Wang	

Pulse Voltage	1.0 kV		kV		kV		kV	
Pulse Polarity	+	-	+	-	+	-	+	-
L	A	A	/	/	/	/	/	/
N	A	A	/	/	/	/	/	/
L+N	A	A	/	/	/	/	/	/

NOTE: A: There was no change compared with initial operation during the test.



3.5 IMMUNITY TO CONDUCTED DISTURBANCES INDUCED BY RF FIELDS (CS)

3.5.1 TEST SPECIFICATION

Basic Standard:	IEC 61000-4-6
Frequency Range:	0.15 MHz - 230 MHz
Field Strength:	3 V _{r.m.s.}
Modulation:	1kHz Sine Wave, 80%, AM Modulation
Frequency Step:	1 % of fundamental
Coupled Cable:	Power Mains
Coupling Device:	CDN-M2(2wires)

3.5.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Signal Generator	Rohde&Schwarz	SMB 100A	102382	Mar. 18,20	Mar. 17,21
CDN	Luthi	L-801M2/M3	2015	Sep. 18,19	Sep. 17,20
CDN(AUX)	TESEQ	CDN M016	27452	Sep. 18,19	Sep. 17,20
CDN	TESEQ	T200A	26944	Mar. 18,20	Mar. 17,21
CDN	TESEQ	ST08A	32256	Mar. 18,20	Mar. 17,21
CDN	TESEQ	T800	28623	May 14, 20	May 13, 21
CDN	FCC	FCC-801-T8-SR J45	160168	Sep. 18,19	Sep. 17,20
CDN	TESEQ	CDN M532	37300	Sep. 18,19	Sep. 17,20
6dB 150Watt Attenuator	Bird	150-A-FFN-06	1507	Sep. 18,19	Sep. 17,20
Bulk Current Injection Probe	FCC	F-120-9A	160053	Sep. 18,19	Sep. 17,20
Power Amplifier	PRANA	DR 220	1512-1788	NA	NA
Electromagnetic Injection Clamp	Luthi	EM101	35640	Sep. 25,19	Sep. 24,20
Audio analyzer	Rohde&Schwarz	UPV	101397	Sep. 18,19	Sep. 17,20
Conditioning Amplifier	B&K	2690A0S2	2437856	Oct. 18,19	Oct. 17,20
EAR SIMULATOR	B&K	4192	2764719	Jun. 01,20	May 30,21
Test Software	Tonscend	TS+	2.0.1.7	N/A	N/A
Test Software	ADT	BVADT_CS_V7.6.2	N/A	N/A	N/A

- NOTES:** 1. The test was performed in CS test room
 2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.



3.5.3 TEST RESULTS

TEST MODE	See section 1.2	TEST VOLTAGE	See section 1.2
ENVIRONMENTAL CONDITIONS	21.2deg. C, 60.7% RH	TESTED BY: Dragon	

Voltage (V)	Test Frequency Note#1 (MHz)	Tested Line	Injection Method.	Test Result	Remark
3	0.15-230	AC Line	CDN-M2	A	Pass

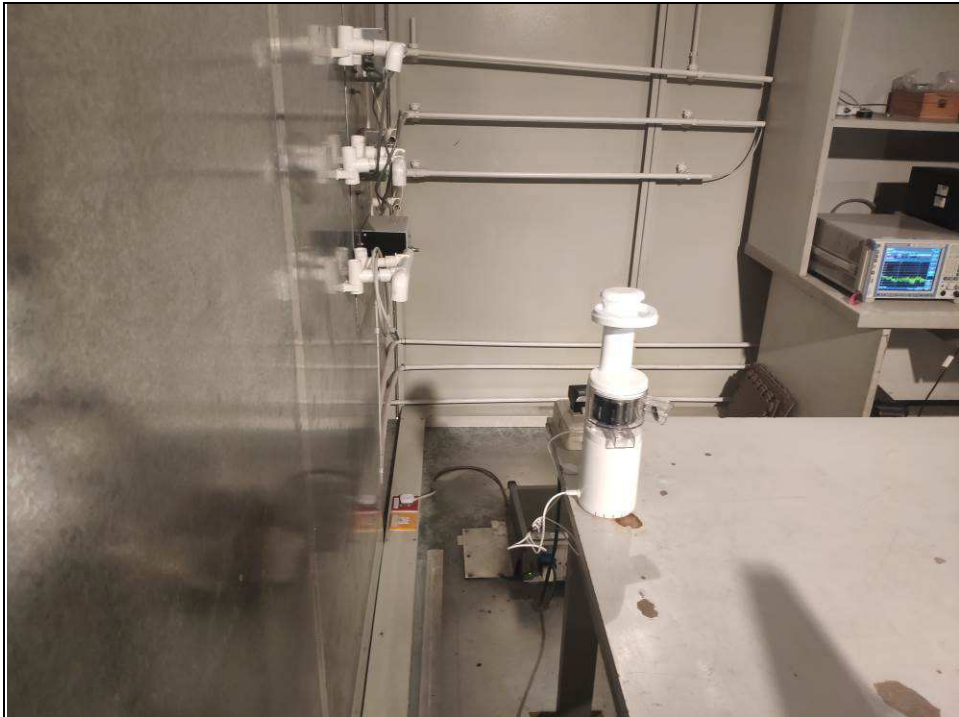
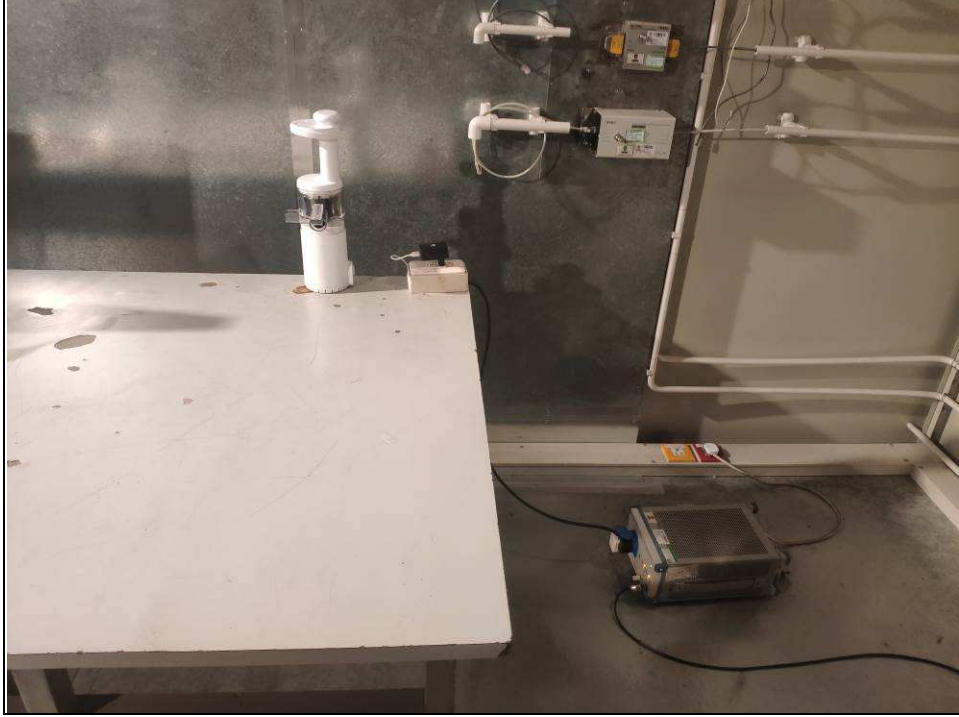
Note#1: Tested Israel SII Frequencies 0.2,0.53,1,1.5,7.1,13.56,21,27.12,40.68,65,68 MHz

NOTE: A: There was no change compared with initial operation during the test.



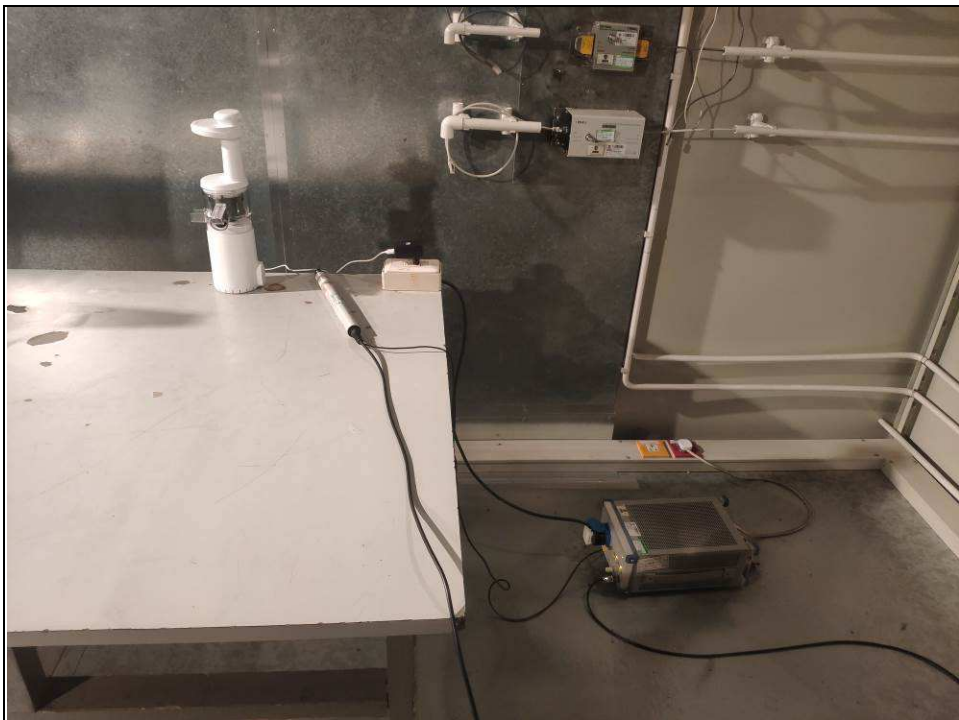
4 PHOTOGRAPHS OF THE TEST CONFIGURATION

CONDUCTED EMISSION TEST (AC PORT)





CONDUCTED EMISSION TEST (DC PORT)





**BUREAU
VERITAS**

Test Report No.: CE200624N009

RADIATED EMISSION TEST



ESD TEST





**BUREAU
VERITAS**

Test Report No.: CE200624N009

RS TEST



EFT TEST





**BUREAU
VERITAS**

Test Report No.: CE200624N009

CS TEST





Test Report No.: CE200624N009

5 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications were made to the EUT by the lab during the test.

---END---