

EMC Test Report



Product : Cute

Model Number : CUTE-HUDIE

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2 Test Summary

Test procedures according to the technical standards:

<u>EMC Emission</u>				
Standard	Test Item	Limit	Judgment	Remark
EN 55014-1:2017	Conducted Emission	Class B	PASS	
	Disturbance Power	-----	PASS	
	Radiated Emission	Class B	PASS	
EN 61000-3-2:2014	Harmonic Current Emission	Class A or D NOTE (2)	PASS	
EN 61000-3-3:2013	Voltage Fluctuations & Flicker	-----	PASS	
<u>EMC Immunity</u>				
Section EN55014-2:2015	Test Item	Performance Criteria	Judgment	Remark
EN 61000-4-2:CUTE-HUDIE 9	Electrostatic Discharge	B	PASS	
EN 61000-4-3:CUTE-HUDIE 6/A2:2010	RF electromagnetic field	A	PASS	
EN 61000-4-4:2012	Fast transients	B	PASS	
EN 61000-4-5:2014	Surges	B	PASS	
EN 61000-4-6:2014/AC:2015	Injected Current	A	PASS	
EN 61000-4-11: CUTE-HUDIE 4	Volt. Interruptions Volt. Dips	C / C / C NOTE (3)	PASS	

NOTE:

- (1)' N/A' denotes test is not applicable in this Test Report
- (2) No limits apply for equipment with an active input power up to and including 75W.
- (3)Voltage dip: 0% reduction – Performance Criteria **C**
 Voltage dip: 30% reduction – Performance Criteria **C**
 Voltage dip: 60% reduction – Performance Criteria **C**

For client's request and manual description, the test will not be executed.

3 General Information

3.1 General Description Of EUT

Manufacturer:	Dongguan Weyes Electronic Technology Co., Ltd.
Manufacturer Address:	Weili High-tech Park, Xiaxu Industrial Area, Changping, Dongguan, Guangdong Province, China.
EUT Name:	Cute
Test Model No:	CUTE-HUDIE
Serial No:	--
Brand Name:	N/A
Power Supply Range:	Input: DC 5V 1A
Test Power Supply:	Input: DC 5V 1A

4 Equipments List For All Test Items

No.	Equipment	Manufacturer	Model No.	S/N	Cal date
1	EMI Test Receiver	R&S	ESCI	100612	2017-05-31
2	EMI Test Receiver	R&S	ESPI	100067	2017-05-31
3	Amplifier	HP	8447D	1937A02415	2017-05-31
4	Single Power Conductor Module	FCC	FCC-LISN-5-50-1-01-CISPR25	07118	2017-05-31
5	TRILOG Broadband Test-Antenna	SCHWARZBECK	VULB9163	9163-387	2017-05-31
6	Horn Antenna	SCHWARZBECK	BBHA9120A	B08000991-0021	2017-05-31
7	High Field Biconical Antenna	ELECTRO-METRICS	EM-6913	169	2017-05-31
8	Log Periodic Antenna	ELECTRO-METRICS	EM-6950	818	2017-05-31
9	Remote Active Vertical Antenna	ELECTRO-METRICS	EM-6892	354	2017-05-31
10	Power Clamp	SCHWARZBECK	MDS-21	3898	2017-05-31
11	Single Power Conductor Module	FCC	FCC-LISN-5-50-1-01-CISPR25	07254	2017-05-31
12	Teo Line Single Phase Module	SCHWARZBECK	NSLK8128	D-69124	2017-05-31
13	Positioning Controller	C&C	CC-C-1F	MF7802155	2017-05-31
14	Electrostatic Discharge Simulator	TESEQ	NSG437	128	2017-05-31
15	Fast Transient Burst Generator	SCHAFFNER	MODULA6150	34587	2017-05-31
16	Fast Transient Noise Simulator	Noiseken	FNS-105AX	31438	2017-05-31
17	Capacitive Coupling Clamp	TESEQ	CDN8014	25115	2017-05-31
18	Color TV Pattern Generator	PHILIPS	PM5418	TM209966	N/A
19	Power Frequency Magnetic Field Gene	EVERFINE	EMS61000-8K	608085	2017-05-31
20	Triple-Loop Antenna	EVERFINE	LLA-2	607035	2017-05-31
21	10dB attenuator	SCHWARZBECK	MTAIMP-136	R65.90.0009	2017-05-31
22	AC Power Source	California Instrumnets	5001ix-400-N0	HK53570	2017-05-31
23	Power Analyzer	California Instrumnets	PACS-1	X71719	2017-05-31

5 Emission Test Results

5.1 Mains Terminals Disturbance Voltage Measurement

Frequency Range:	150kHz to 30MHz
Limits:	Table 1 of EN 55014-1
Detector:	Peak for pre-scan (9kHz Resolution Bandwidth) Quasi-Peak & Average if maximized peak within 6dB of Average Limit

5.1.1 E.U.T. Operation

Operating Environment:

Temperature:	24°C	Humidity:	55% RH	Atmospheric Pressure:	101.0	Kpa
EUT Operation:	Normal Operation					

5.1.2 Test Specification

EUT was placed upon a wooden test table 0.8m above the horizontal metal plane and 0.4m from the vertical metal reference plane, and it was connected to an AMN. The closest distance between the boundary of the EUT and the surface of the AMN is 0.8m, All peripherals were connected to another AMN, and placed at a distance of 10 cm from each other. A spectrum and receiver was connected to the RF output port of the AMN. Both average and quasi-peak value were detected.

Associated with the conducted emission test data in this report is a ± 1.54 dB measurement uncertainty.

5.1.3 Measurement Data

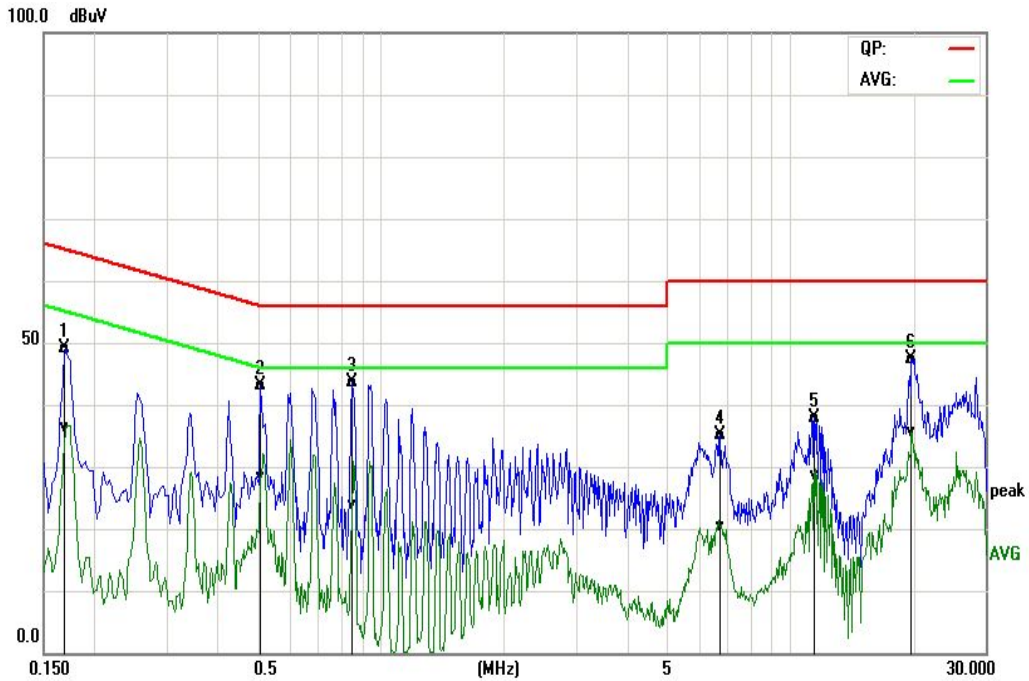
An initial pre-scan was performed on the live and neutral lines.

Quasi-peak or average measurements were performed at the frequency which maximum peak emissions were detected.

Please refer to the attached quasi-peak & average measurement data for reference.

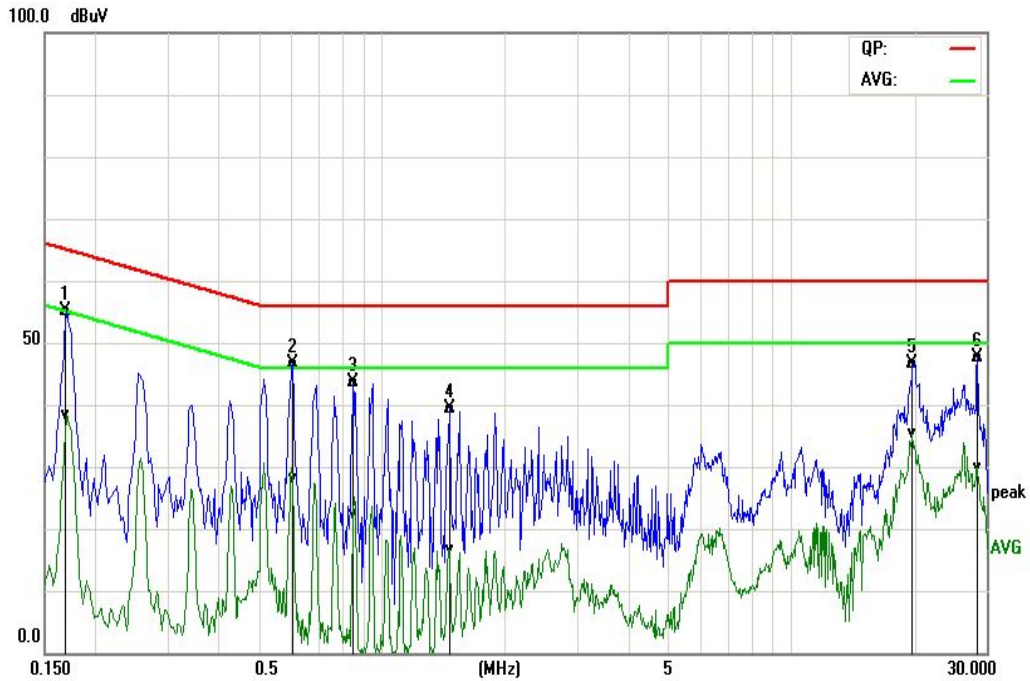
PASS

EUT:	Cute	Model No.:	CUTE-HUDIE
Temperature:	24 °C	Relative Humidity:	55%
Probe:	L	Test Power:	DC 5V
Standard:	EN55014 Class B Conduction(QP)	Test Result:	Pass
Test Mode:	Normal Operation	Test By:	King



No.	Frequency (MHz)	QuasiPeak reading (dBuV)	Correction factor (dB)	QuasiPeak result (dBuV)	QuasiPeak limit (dBuV)	QuasiPeak margin (dB)	Remark
1	0.1700	49.21	0.04	49.25	64.96	-15.71	Pass
2	0.5100	43.00	0.04	43.04	56.00	-12.96	Pass
3*	0.8500	43.46	0.06	43.52	56.00	-12.48	Pass
4	6.7420	34.86	0.17	35.03	60.00	-24.97	Pass
5	11.4580	37.56	0.22	37.78	60.00	-22.22	Pass
6	19.8020	47.14	0.30	47.44	60.00	-12.56	Pass

EUT:	Cute	Model No.:	CUTE-HUDIE
Temperature:	24 °C	Relative Humidity:	55%
Probe:	N	Test Power:	DC 5V
Standard:	EN55014 Class B Conduction(QP)	Test Result:	Pass
Test Mode:	Normal Operation	Test By:	King



No.	Frequency (MHz)	QuasiPeak reading (dBuV)	Correction factor (dB)	QuasiPeak result (dBuV)	QuasiPeak limit (dBuV)	QuasiPeak margin (dB)	Remark
1	0.1700	55.04	0.04	55.08	64.96	-9.88	Pass
2*	0.6060	46.63	0.05	46.68	56.00	-9.32	Pass
3	0.8500	43.48	0.06	43.54	56.00	-12.46	Pass
4	1.4660	39.22	0.08	39.30	56.00	-16.70	Pass
5	19.8020	46.38	0.30	46.68	60.00	-13.32	Pass
6	28.4860	47.18	0.36	47.54	60.00	-12.46	Pass

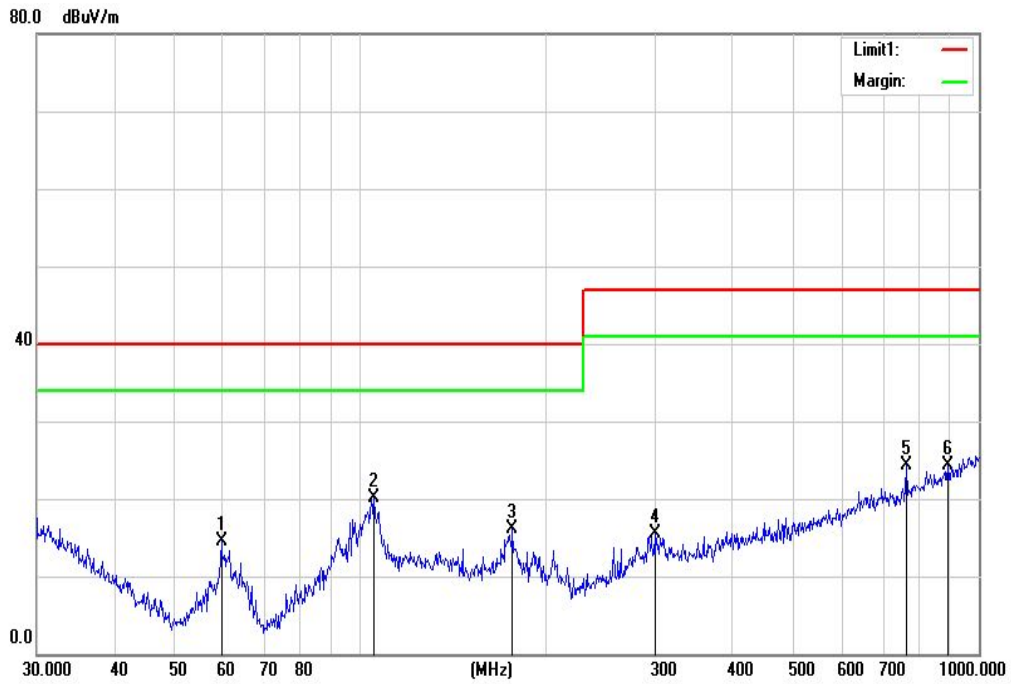
5.2 Disturbance Power Measurement						
Frequency Range:	30MHz to 300MHz					
Limits:	Table 2 of EN55014-1					
Detector:	Peak for pre-scan (120kHz resolution bandwidth)					
	Quasi-Peak and Average if maximum peak within 6dB of limit					
5.2.1 E.U.T. Operation						
Operating Environment:						
Temperature:	24.2 °C	Humidity:	55% RH	Atmospheric Pressure:	102	Kpa
EUT Operation:	Normal Operation					
5.2.2 Test Specification						
The EUT was placed on a wooden table which is 0.8m in height. A non-metallic slide groove 6m long was placed at the same height for movement of the absorbing clamp. Absorbing clamp moved along the slide groove during testing to find the maximum disturbance reading. All reflecting or absorbing objects are not closer than 0.8m to the measuring set-up.						
Associated with the radiated emission test data in this report is a ± 3.44 dB measurement uncertainty.						
5.2.3 Measurement Data						
An initial pre-scan was performed on the live and neutral lines. Quasi-peak or average measurements were performed at the frequency which maximum peak emissions were detected. Please refer to the attached quasi-peak & average measurement data.						
PASS						

5.3 Radiated Emissions Measurement						
Frequency Range:	30MHz to 1000MHz					
Limits:	Table 2 of EN55014-1					
Detector:	Peak for pre-scan (120kHz resolution bandwidth)					
	Quasi-Peak and Average if maximum peak within 6dB of limit					
5.3.1 E.U.T. Operation						
Operating Environment:						
Temperature:	24.1 °C	Humidity:	55% RH	Atmospheric Pressure:	101.0	Kpa
EUT Operation:	Normal Operation					
5.3.2 Test Specification						
<p>EUT was placed upon a wooden test table which was placed on the turn table 0.8m above the horizontal metal ground plane, and operating in the mode as mentioned above. A receiving antenna was placed 3m away from the EUT. During testing, turn around the turn table and move the antenna from 1m to 4m to find the maximum field-strength reading. All peripherals were placed at a distance of 10cm between each other. Both horizontal and vertical antenna polarities were tested.</p>						

Associated with the radiated emission test data in this report is a ± 3.08 dB measurement uncertainty.

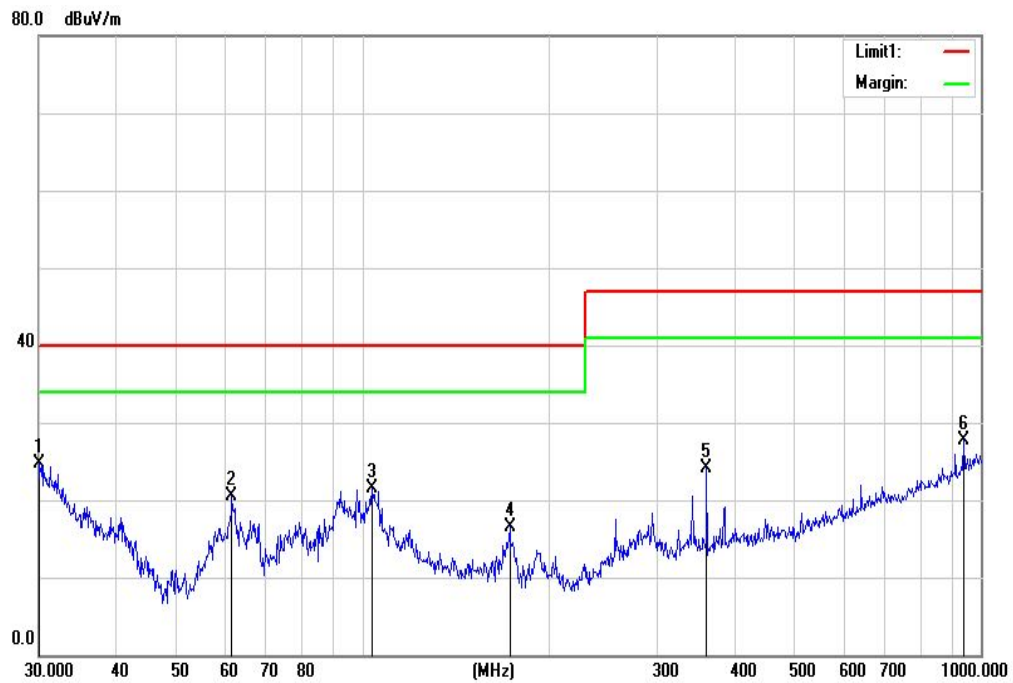
5.3.3 Measurement Data
<p>An initial pre-scan was performed in the 3m chamber using the spectrum analyzers in peak detection mode. The EUT was measured by Biology antenna with 2 orthogonal polarities and peak emissions from the EUT were detected within 6dB of the class B limit line.</p> <p>The following quasi-peak measurements were performed on the EUT.</p>

EUT:	Cute	Model No.:	CUTE-HUDIE
Temperature:	24.1 °C	Relative Humidity:	55%
Distance:	3m	Test Power:	DC 5V
Polarization:	Horizontal	Test Result:	Pass
Standard:	EN 55014 3M Radiaton	Test By:	King
Note:	Normal Operation		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	59.6493	38.09	-23.60	14.49	40.00	-25.51	QP
2	105.2718	37.05	-16.94	20.11	40.00	-19.89	QP
3	176.2686	33.81	-17.61	16.20	40.00	-23.80	QP
4*	299.3158	28.49	-13.06	15.43	47.00	-31.57	QP
5	763.3757	30.36	-6.06	24.30	47.00	-22.70	QP
6	890.7278	27.71	-3.33	24.38	47.00	-22.62	QP

EUT:	Cute	Model No.:	CUTE-HUDIE
Temperature:	24.1°C	Relative Humidity:	55%
Distance:	3m	Test Power:	DC 5V
Polarization:	Vertical	Test Result:	Pass
Standard:	EN 55014 3M Radiaton	Test By:	King
Note:	Normal Operation		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.1054	34.15	-9.48	24.67	40.00	-15.33	QP
2	61.5618	44.12	-23.57	20.55	40.00	-19.45	QP
3*	103.8055	38.74	-17.27	21.47	40.00	-18.53	QP
4	173.2051	33.89	-17.32	16.57	40.00	-23.43	QP
5	360.4477	36.69	-12.57	24.12	47.00	-22.88	QP
6	938.8326	29.76	-2.15	27.61	47.00	-19.39	QP

5.4 Harmonics						
Frequency Range:	100Hz to 2kHz					
Test Requirement:	EN 61000-3-2					
5.4.1 E.U.T. Operation						
Operating Environment:						
Temperature:	24.2°C	Humidity:	56% RH	Atmospheric Pressure:	102.0	Kpa
EUT Operation:	Normal Operation					
5.4.2 Test specification						
EUT operated in the mode as mentioned above, and connected to Harmonic/Flicker measuring equipment which was connected to an AC power source. Measurement was performed after EUT operating in static state for 10 seconds. Each order harmonics found to meet the relevant limits.						
5.4.3 Measurement Data						
PASS						

5.5 Voltage changes, voltage fluctuations and flicker						
Test Requirement:		EN 61000-3-3				
5.5.1 E.U.T. Operation						
Operating Environment:						
Temperature:	24.2°C	Humidity:	56% RH	Atmospheric Pressure:	102.0	Kpa
EUT Operation:	Normal Operation					
5.5.2 Test specification						
EUT was operated in the mode as mentioned above, and connected to Harmonic/Flicker measuring equipment which was connected to an AC power source.						
5.5.3 Measurement Data						
PASS						

6 Immunity Test Results						
6.1 Electrostatic discharge immunity test						
Acceptable Performance Criterion:	B					
Discharge Impedance:	330 Ω / 150 pF					
Discharge Voltage:	Air Discharge:		±8 kV			
	Contact Discharge:		±4 kV			
	VCP, HCP:		±4 kV			
Polarity:	Positive & Negative					
Minimum discharge Interval:	1 second					
6.1.1 E.U.T. Operation						
Operating Environment:						
Temperature:	24.2°C	Humidity:	55% RH	Atmospheric Pressure:	101.0	Kpa
EUT Operation:	Normal Operation					
6.1.2 Test specification						
<p>EUT was operated in the mode as mentioned above,. Both contact and air discharge was executed. contact discharge to the conductive surfaces and to coupling planes; air discharge at insulating surfaces. Each test point shall be subjected to 10 discharges at least (For each Level and polarity).</p>						

6.1.3 Measurement Data

Test Record

Electrostatic Discharge Immunity Test Results					
Applicant: <u>Dongguan Weyes Electronic Technology Co., Ltd.</u> EUT: <u>Cute</u> M/N: <u>CUTE-HUDIE</u> Power Supply: <u>Input: DC 5V</u>			Test Date: <u>Nov.22, 2017</u> Test Result: <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail Temp: <u>24.2</u> °C , Humi: <u>54</u> % Atmospheric Pressure: <u>101.0</u> Kpa		
Operating Mode	Normal Operation			Criterion	B
Test Level	Air Discharge(A) <u>± 8</u> KV , Contact Discharge (C) <u>± 4;</u> KV				
Test Position	Discharge Mode	Points	Discharge times for each Point (for each Level And polarity)	Result	
Handle	A	4	10	Pass	
HCP	C	4	10	Pass	
VCP	C	4	10	Pass	
Brake Control	A	4	10	Pass	
Gap	A	4	10	Pass	
Switch	A	4	10	Pass	
Button	A	4	10	Pass	
LCD Panel	A	4	10	Pass	
Note: "A" means Air Discharge, "C" means Contact Discharge, Horizontal Coupling Plane(HCP) and Vertical Coupling plane(VCP).					

6.2 RF field strength immunity test						
Acceptable Performance Criterion:	A					
Test Level	3 V/m					
Test Distance	3 m					
Frequency Range	80MHz~1000MHz					
Polarity:	Horizontal & Vertical					
6.2.1 E.U.T. Operation						
Operating Environment:						
Temperature:	24.1°C	Humidity:	55% RH	Atmospheric Pressure:	101.0	Kpa
EUT Operation:	Normal Operation					
6.2.2 Test specification						
<p>Test was executed in a fully Anechoic chamber. An antenna was used to transmit interference signal. EUT was placed upon a wooden table above the reference ground 0.8m, and was positioned so that the four sides of the EUT shall be exposed to the electromagnetic field in a sequence, In each position the performance of the EUT was investigated. A camera was used to monitor the loss of function or degradation of performance of the EUT.</p>						

This test item was transferred to Shenzhen Academy of Metrology and Quality Inspection (SMQ) which was confirmed to have enough capacity to perform this subcontract work.

6.2.3 Measurement Data

Test Record

Radiated Frequency Field Strength Immunity Test Results				
Applicant: <u>Dongguan Weyes Electronic Technology Co., Ltd.</u>		Test Date: <u>Nov.22, 2017</u>		
EUT: <u>Cute</u>		Test Result: <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail		
M/N: <u>CUTE-HUDIE</u>		Temp: <u>24.1</u> °C , Humi: <u>55</u> %		
Power Supply: <u>Input: DC 5V</u>		Atmospheric Pressure: <u>101.0</u> Kpa		
Test Port	Input Port			
Operating Mode	Normal Operation			
Test Level	<u>3</u> V/m (r.m.s) (unmodulated)		Criterion	A
Frequency Range(MHz)	Antenna polarity	Modulation	EUT position	Result
80~1000	Horizontal	1kHz, 80%, AM	Front	Pass
			Rear	Pass
			Left	Pass
			Right	Pass
80~1000	Vertical	1kHz, 80%, AM	Front	Pass
			Rear	Pass
			Left	Pass
			Right	Pass
Note : None				

6.3 Electrical fast transient/burst immunity test						
Acceptable Performance Criterion:	B					
Test Level:	0.5, 1.0, kV on AC Line; 0.5 kV on Signal Line					
Repetition Frequency:	5 kHz					
Burst Duration:	300 ms					
Test Duration:	2 minute for each level & polarity					
6.3.1 E.U.T. Operation						
Operating Environment:						
Temperature:	24.1°C	Humidity:	55% RH	Atmospheric Pressure:	101.0	Kpa
EUT Operation:	Normal Operation					
6.3.2 Test specification						
<p>EUT was placed on a metal ground reference plane and was insulated from it by a wooden support which is 0.1m thick. The ground reference plane is connected to the protective earth. The test generator and the coupling/decoupling network were placed directly on, and bonded to the ground reference plane.</p>						

6.3.3 Measurement Data

Test Record

Electrical Fast Transient/Burst Test Results			
Applicant: <u>Dongguan Weyes Electronic Technology Co., Ltd.</u>		Test Date: <u>Nov.22, 2017</u>	
EUT: <u>Cute</u>		Test Result: <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	
M/N: <u>CUTE-HUDIE</u>		Temp: <u>24.1</u> °C , Humi: <u>55</u> %	
Power Supply: <u>Input: DC 5V</u>		Atmospheric Pressure: <u>101.0</u> Kpa	
Operating Mode	Normal Operation		Criterion B
Test Signal	5/50ns, repetition frequency : <input checked="" type="checkbox"/> 5KHz / <input type="checkbox"/> 100 KHz		
Coupling Line	Test Level (KV)	Test Duration (S)	Result
L	1	120	Pass
N	1	120	Pass
PE	N/A	N/A	N/A
L+N	1	120	Pass
L+PE	N/A	N/A	N/A
N+PE	N/A	N/A	N/A
L+N+PE	N/A	N/A	N/A
DC/Signal/control Line	N/A	N/A	N/A
Note: None			

6.4 Surge immunity test						
Acceptable Performance Criterion:	B					
Test Level:	0.5, 1kV Live to Neutral					
	0.5, 1, 2kV Live, Neutral to Earth					
Polarity:	Positive & Negative					
Generator source impedance:	2 Ω & 12 Ω					
Trigger Mode:	Internal					
No. of surges:	5 positive, 5 negative at 0°, 90°, 180°, 270°.					
6.4.1 E.U.T. Operation						
Operating Environment:						
Temperature:	24.2°C	Humidity:	55% RH	Atmospheric Pressure:	101.0	Kpa
EUT Operation:	Normal Operation					
6.4.2 Test specification						
EUT was placed on a wooden table which is 0.8m above the ground and operated in the mode as mentioned above,. The power cord between the EUT and the coupling/decoupling network was bundled so as to make it less than 2 m in length.						



6.4.3 Measurement Data

Test Record

Surge Immunity Test Results						
Applicant: <u>Dongguan Weyes Electronic Technology Co., Ltd.</u>			Test Date: <u>Nov.22, 2017</u>			
EUT: <u>Cute</u>			Test Result: <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail			
M/N: <u>CUTE-HUDIE</u>			Temp: <u>24.2</u> °C , Humi: <u>55</u> %			
Power Supply: <u>Input: DC 5V</u>			Atmospheric Pressure: <u>101.0</u> Kpa			
Operating Mode	Normal Operation				Criterion	B
Test Port	Input Port					
Test Signal	<input checked="" type="checkbox"/> 1.2/50 μs <input type="checkbox"/> 10/700μs					
Coupling Line	Test Level (KV)	Phase	Pulse	Interval (s)	Result	
L-N	1	0°~270°	10	60	Pass	
L-PE	N/A	N/A	N/A	N/A	N/A	
N-PE	N/A	N/A	N/A	N/A	N/A	
Signal Line	N/A	N/A	N/A	N/A	N/A	
Note: None						

6.5 Conducted disturbance immunity Test						
Acceptable Performance Criterion:	A					
Test Level	3 V					
Frequency Range	0.150MHz~80MHz					
6.5.1 E.U.T. Operation						
Operating Environment:						
Temperature:	24°C	Humidity:	55% RH	Atmospheric Pressure:	101.0	Kpa
EUT Operation:	Normal Operation					
6.5.2 Test specification						
<p>The equipment to be tested was placed on an insulating support of 0,1 m height above a ground reference Plane. The minimum distance between the EUT and all other conductive structures, except the ground reference plane is more than 0,5 m. All relevant cables were provided with the appropriate coupling and decoupling devices at a distance between 0,1 m and 0,3 m from the projected geometry of the EUT .</p>						

This test item was transferred to Shenzhen Academy of Metrology and Quality Inspection (SMQ) which was confirmed to have enough capacity to perform this subcontract work.

6.5.3 Measurement Data

Test Record

Conducted Disturbance Immunity Test Results					
Applicant: <u>Dongguan Weyes Electronic Technology Co., Ltd.</u>			Test Date: <u>Nov.22, 2017</u>		
EUT: <u>Cute</u>			Test Result: <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail		
M/N: <u>CUTE-HUDIE</u>			Temp: <u>24</u> °C , Humi: <u>55</u> %		
Power Supply: <u>Input: DC 5V</u>			Atmospheric Pressure: <u>101.0</u> Kpa		
Test Port	Input Port				
Operating Mode	Normal Operation				
Test Level (V)	<u>3</u> V(r.m.f) (unmodulated)			Criterion	A
Step Size	<u>1</u> %	Dwell Time (S)	<u>0.5</u>		
Frequency Range (MHz)		Modulation		Result	
0.15~80		1k Hz, 80%, AM		Pass	
N/A		N/A		N/A	
Note: None.					

6.6 Voltage dips and interruptions immunity test						
Acceptable Performance Criterion:	B & C					
Test Level:	<5% of U_T (Supply Voltage) for 0.5 and 250 Periods					
	70 % of U_T (Supply Voltage) for 25 Periods					
No. of Dips / Interruptions:	3 per Level					
6.6.1 E.U.T. Operation						
Operating Environment:						
Temperature:	24°C	Humidity:	55% RH	Atmospheric Pressure:	101.0	Kpa
EUT Operation:	Normal Operation					
6.6.2 Test specification						
<p>EUT connected to the test generator with the shortest power supply cable as specified by the EUT manufacturer. The rated voltage of the EUT was used as the basis for voltage test level specification. After each group of tests, a full functional check was performed.</p>						

6.6.3 Measurement Data

Test Record

Voltage Dips And Interruptions Test Results					
Applicant: <u>Dongguan Weyes Electronic Technology Co., Ltd.</u>			Test Date: <u>Nov.22, 2017</u>		
EUT: <u>Cute</u>			Test Result: <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail		
M/N: <u>CUTE-HUDIE</u>			Temp: <u>24 °C</u> , Humi: <u>55 %</u>		
Power Supply: <u>Input: DC 5V</u>			Atmospheric Pressure: <u>101.0 Kpa</u>		
Test Port	Input Port				
Operating Mode	Normal Operation				
Level (%U _T)	Interruption & Dips (%U _T)	Duration (Cyc)	Phase	Criterion	Result
<5	>95	0.5	0°	A	Pass
40	60	10	0°	B	Pass
70	30	25	0°	B	Pass
>95	<5	250	0°	C	Pass
Note: None.					

7 APPENDIX-Photographs Of EUT Constructional Details



Photo 1

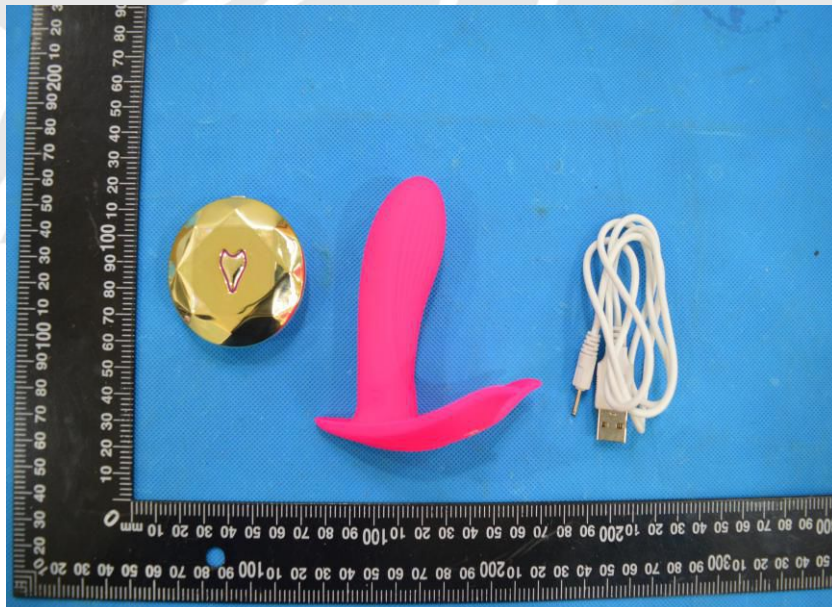


Photo 2

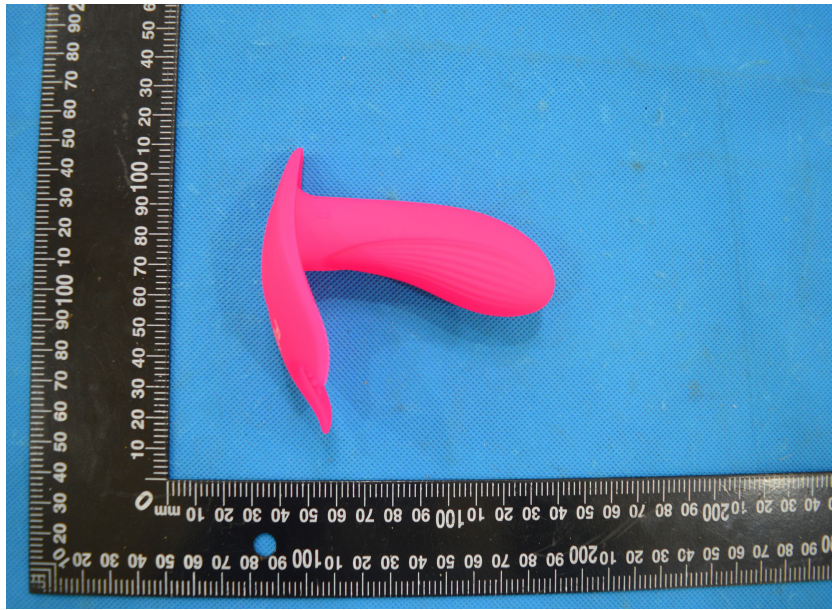


Photo 3

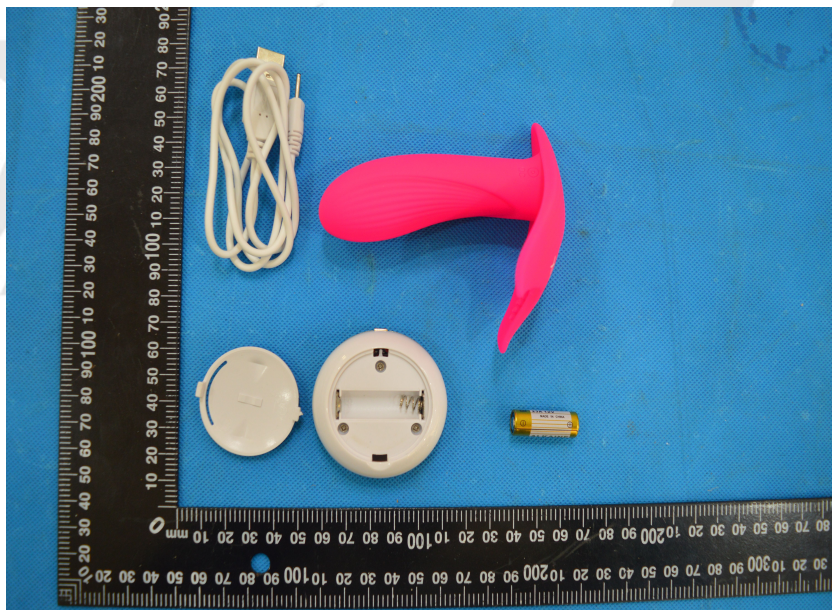


Photo 4

--End of report--