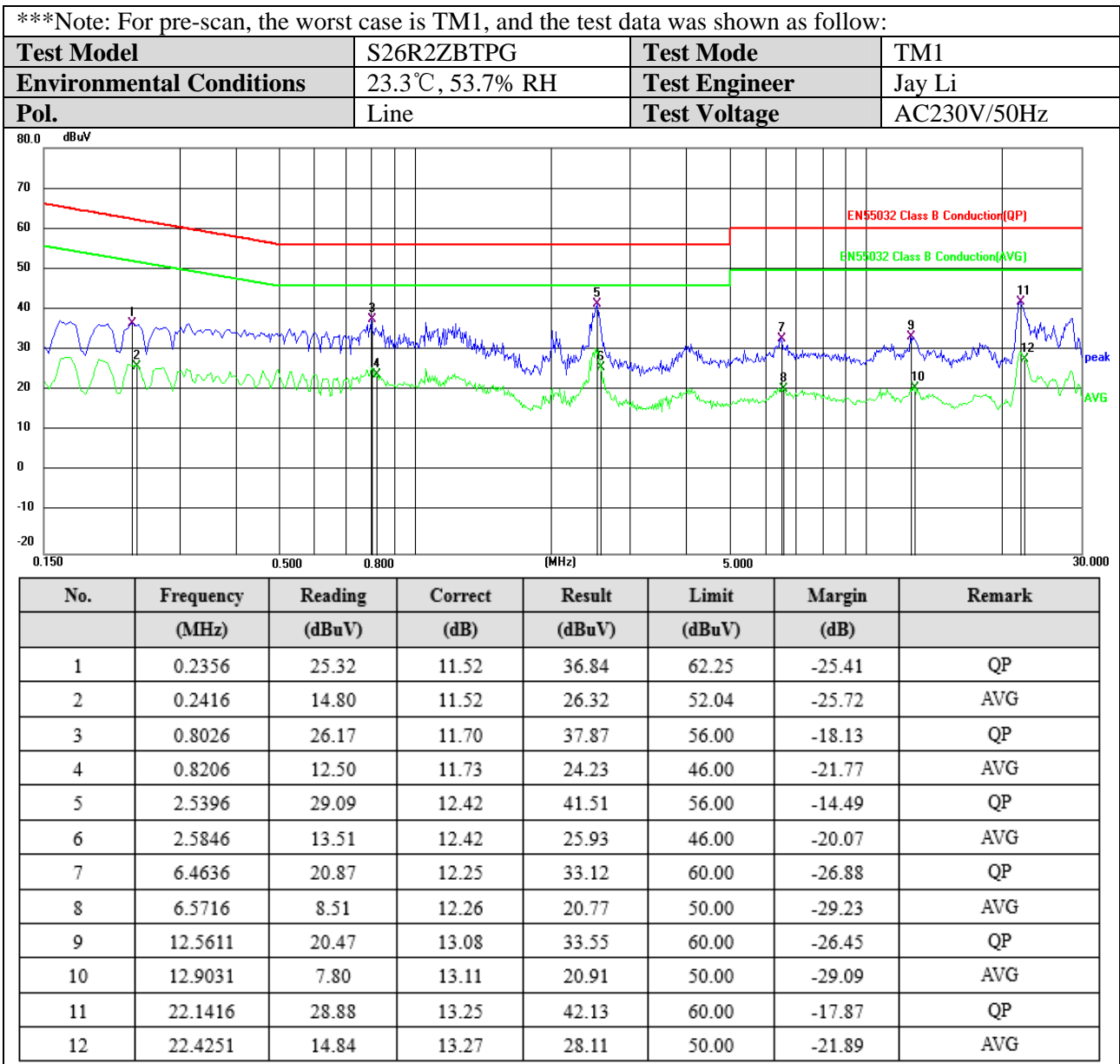


## Appendix A for Emission and Immunity test results

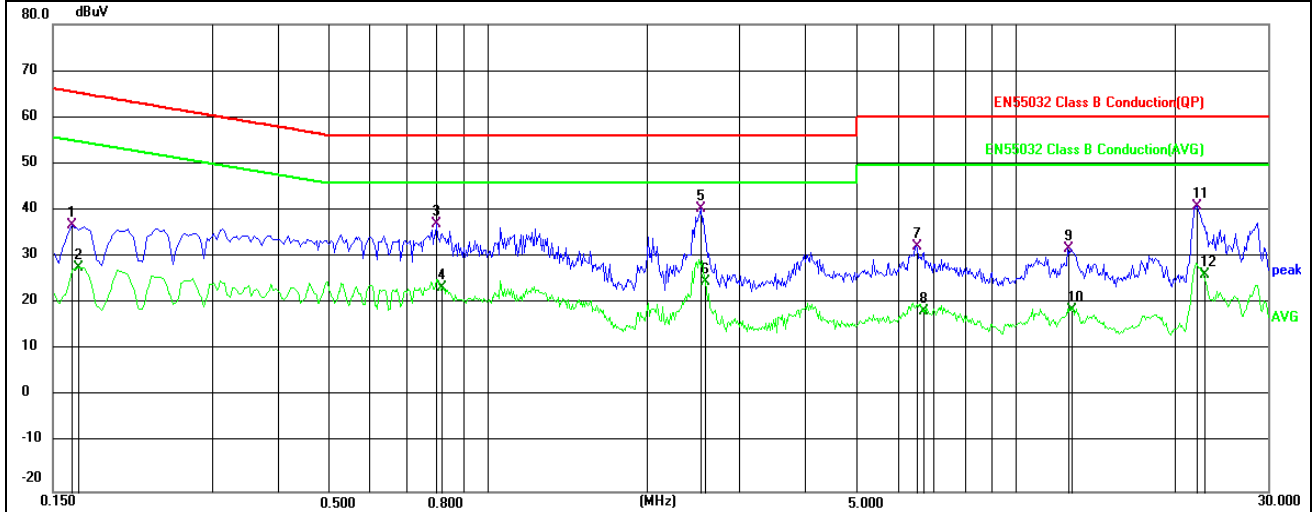
**Product Name: ZigBee Smart Plug**

**Test Model: S26R2ZBTPG**

### A.1 Line Conducted Emission



<b>Test Model</b>	S26R2ZBTPG	<b>Test Mode</b>	TM1
<b>Environmental Conditions</b>	23.3°C, 53.7% RH	<b>Test Engineer</b>	Jay Li
<b>Pol.</b>	Neutral	<b>Test Voltage</b>	AC230V/50Hz

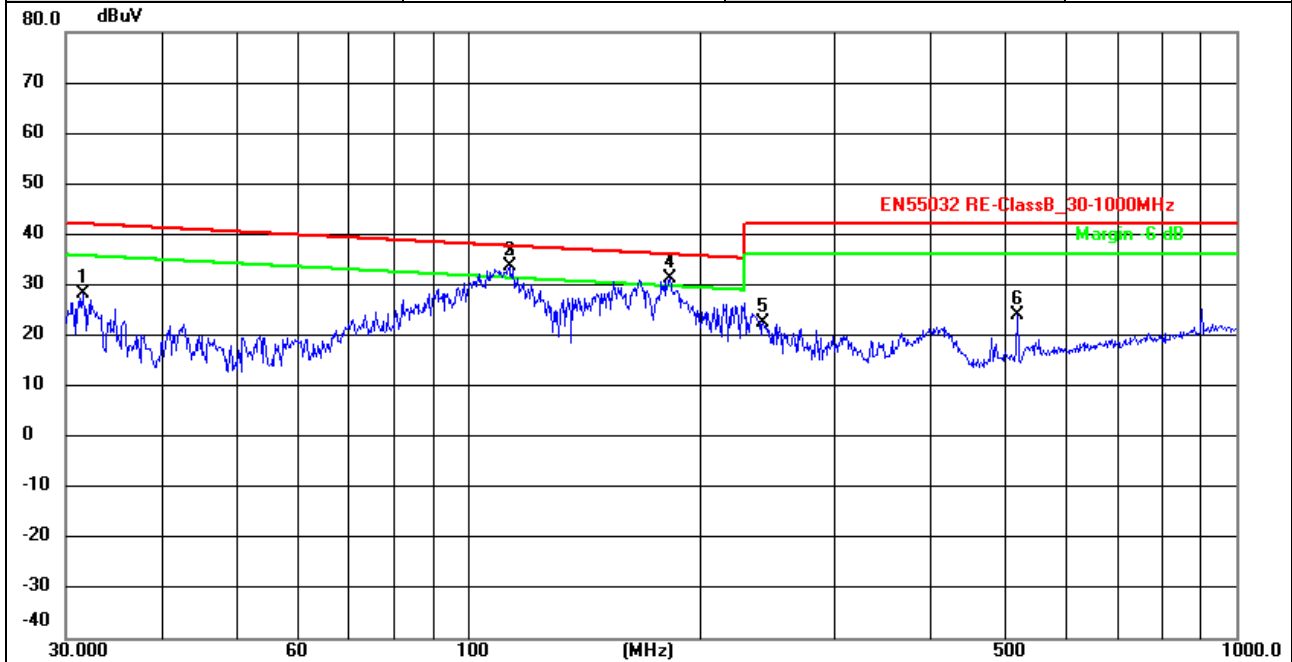


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1635	25.45	11.52	36.97	65.28	-28.31	QP
2	0.1680	16.54	11.52	28.06	55.06	-27.00	AVG
3	0.8024	25.67	11.70	37.37	56.00	-18.63	QP
4	0.8205	12.00	11.73	23.73	46.00	-22.27	AVG
5	2.5396	28.09	12.42	40.51	56.00	-15.49	QP
6	2.5846	12.51	12.42	24.93	46.00	-21.07	AVG
7	6.4635	20.37	12.25	32.62	60.00	-27.38	QP
8	6.6750	6.52	12.26	18.78	50.00	-31.22	AVG
9	12.5610	18.97	13.08	32.05	60.00	-27.95	QP
10	12.7365	5.91	13.09	19.00	50.00	-31.00	AVG
11	22.1416	27.88	13.25	41.13	60.00	-18.87	QP
12	22.6725	13.10	13.29	26.39	50.00	-23.61	AVG

Note: For conducted emission and radiated emission test, a power supply of 230VAC and 120VAC was used for testing respectively, and only recorded the worst case of 230VAC.

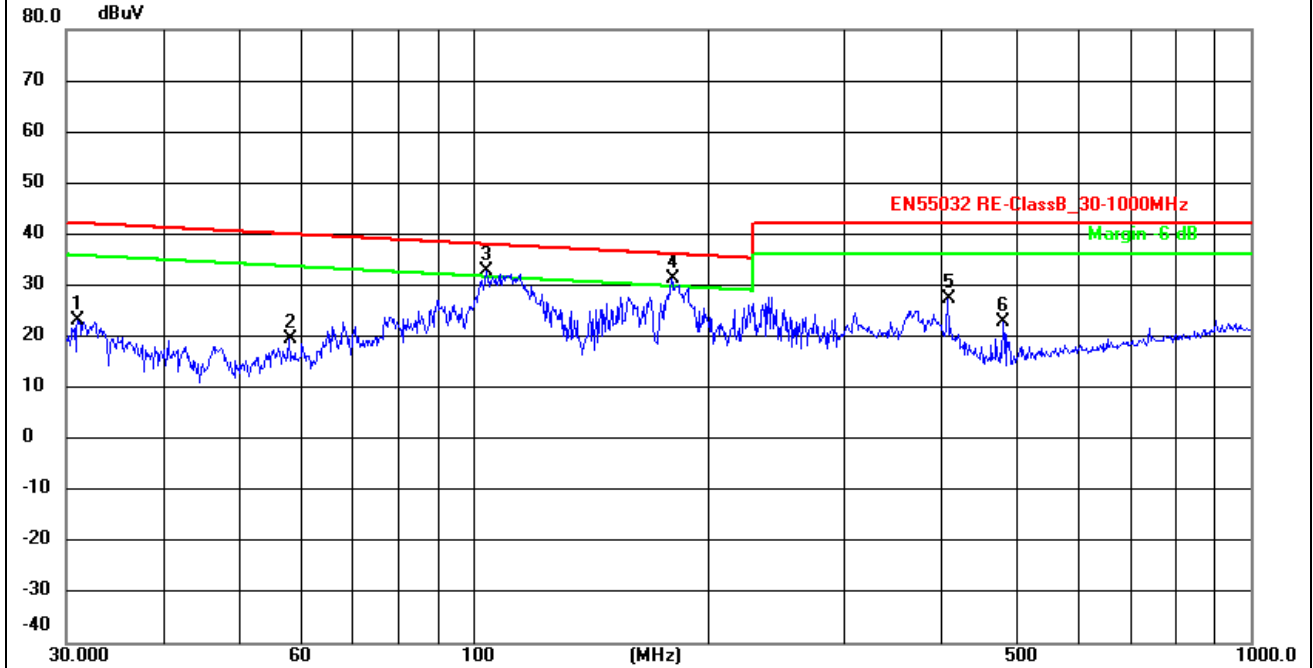
### A.3 Radiated Disturbance

<b>Test Model</b>	S26R2ZBTPG	<b>Test Mode</b>	TM1
<b>Environmental Conditions</b>	21.6°C, 52.7% RH	<b>Test Engineer</b>	Jay Li
<b>Pol.</b>	Vertical	<b>Detector Function</b>	Quasi-peak
<b>Distance</b>	3m	<b>Test Voltage</b>	AC 230V/50Hz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.
1	31.6201	51.81	-23.63	28.18	41.82	-13.64	QP
2 *	113.3162	53.88	-20.11	33.77	37.43	-3.66	QP
3 *	113.3162	53.88	-20.11	33.77	37.43	-3.66	QP
4 !	183.2005	55.17	-23.98	31.19	35.78	-4.59	QP
5	242.5252	44.43	-21.79	22.64	42.00	-19.36	QP
6	519.0649	41.29	-17.17	24.12	42.00	-17.88	QP

<b>Test Model</b>	S26R2ZBTPG	<b>Test Mode</b>	TM1
<b>Environmental Conditions</b>	21.6°C, 52.7% RH	<b>Test Engineer</b>	Jay Li
<b>Pol.</b>	Horizontal	<b>Detector Function</b>	Quasi-peak
<b>Distance</b>	3m	<b>Test Voltage</b>	AC 230V/50Hz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.
1	31.0706	46.70	-23.67	23.03	41.88	-18.85	QP
2	57.9993	41.27	-21.72	19.55	39.73	-20.18	QP
3 !	104.1701	52.27	-19.32	32.95	37.72	-4.77	QP
4 *	180.0165	55.57	-24.22	31.35	35.84	-4.49	QP
5	407.5145	46.30	-18.91	27.39	42.00	-14.61	QP
6	480.5276	40.62	-17.87	22.75	42.00	-19.25	QP

<b>Test Mode:</b> TM1 (Above 1GHz)	<b>Tested by:</b> Jay Li
<b>Test Voltage:</b> AC 230V/50Hz	<b>Test Distance:</b> 3m
<b>Detector Function:</b> Peak + AV	<b>Test Results:</b> Passed

Freq. MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
1126.08	49.33	1.14	50.47	70.00	-19.53	Peak	Horizontal
1126.08	30.54	1.14	31.68	50.00	-18.32	Average	Horizontal
1693.30	49.45	2.67	52.12	70.00	-17.88	Peak	Horizontal
1693.30	29.24	2.67	31.91	50.00	-18.09	Average	Horizontal
2396.24	48.76	5.75	54.51	70.00	-15.49	Peak	Horizontal
2396.24	29.86	5.75	35.61	50.00	-14.39	Average	Horizontal
3383.22	49.13	1.83	50.96	74.00	-23.04	Peak	Horizontal
3383.22	31.23	1.83	33.06	54.00	-20.94	Average	Horizontal
4189.43	49.70	3.17	52.87	74.00	-21.13	Peak	Horizontal
4189.43	28.24	3.17	31.41	54.00	-22.59	Average	Horizontal
5925.55	51.23	6.13	57.36	74.00	-16.64	Peak	Horizontal
5925.55	28.58	6.13	34.71	54.00	-19.29	Average	Horizontal

Freq. MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
1126.25	50.50	1.14	51.64	70.00	-18.36	Peak	Vertical
1126.25	29.55	1.14	30.69	50.00	-19.31	Average	Vertical
1558.47	49.26	2.67	51.93	70.00	-18.07	Peak	Vertical
1558.47	29.11	2.67	31.78	50.00	-18.22	Average	Vertical
2918.40	48.19	5.75	53.94	70.00	-16.06	Peak	Vertical
2918.40	30.03	5.75	35.78	50.00	-14.22	Average	Vertical
3734.60	49.43	1.83	51.26	74.00	-22.74	Peak	Vertical
3734.60	30.75	1.83	32.58	54.00	-21.42	Average	Vertical
4597.21	48.58	3.17	51.75	74.00	-22.25	Peak	Vertical
4597.21	30.55	3.17	33.72	54.00	-20.28	Average	Vertical
5979.05	48.09	6.13	54.22	74.00	-19.78	Peak	Vertical
5979.05	31.95	6.13	38.08	54.00	-15.92	Average	Vertical

Note:

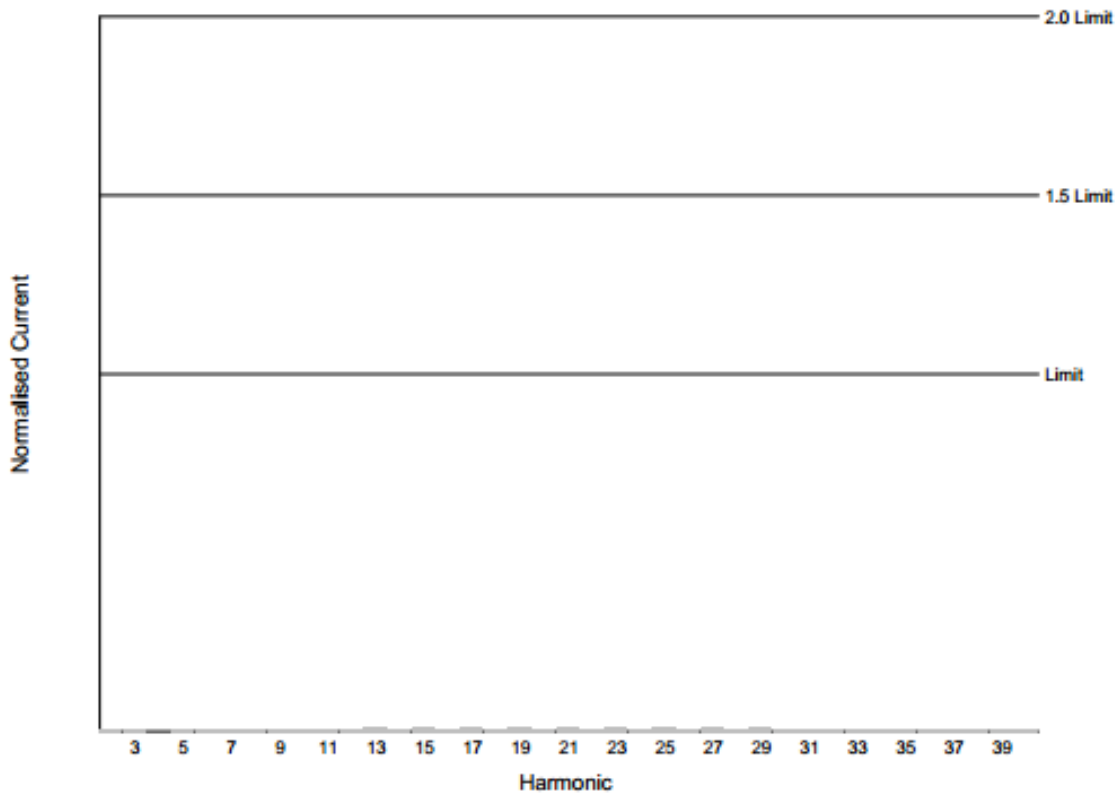
- Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- Measurements above show only up to 6 maximum emissions noted.
- Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- Factor = Antenna Factor + Cable Loss + Amplifier Factor  
Emission Level = Reading level + Factor  
Margin = Emission Level - Limit

### A.4 Harmonic Current Emissions

<b>Type of Test:</b> EN61000:2006 Harmonics inc. interharmonics to EN61000-4-7:2002 <b>Limits:</b> Class A <b>Power Analyzer:</b> Voltech PM6000 SN: 200006700523 Firmware version: v1.21.07RC2 <b>Channel(s):</b> 1. SN: 090015502053, 28 Adjusted Date: 22 JUN 2011. 2. SN:None Adjusted Date:None 3. SN:None Adjusted Date:None 4. SN:None Adjusted Date:None 5. SN:None Adjusted Date:None 6. SN:None Adjusted Date:None <b>Shunt(s):</b> 1. SN: 091024301916, 4 Adjusted Date: 23 JUN 2011. 2. SN:None Adjusted Date:None 3. SN:None Adjusted Date:None 4. SN:None Adjusted Date:None 5. SN:None Adjusted Date:None 6. SN:None Adjusted Date:None <b>AC Source:</b> Mains / Manual Source		
<b>Harmonic Results Against Chosen Limits:</b>  <div style="font-size: 2em; color: green; text-align: center;"><b>PASS</b></div>	<b>Notes:</b>	
<b>Test Parameter Details</b>	<b>User Entered</b>	<b>Measured</b>
Operating Frequency:	50	49.9840
Operating Voltage:	230	229.4801
Specified Power:	0.0000	139.7908
Fundamental Current:	0.0000	0.6092
Power Factor:	0.0000	0.9997
Average Input Current:		0.6092
Maximum POHC:		0.0023
POHC Limit:		0.2514
Maximum THC:		0.0077
Minimum Power:	75	
Class Multiplier:	1.0000	
Test Duration:	00:02:30	

Type of Test:	Fluctuating Harmonics Test - Normalised Worst Case Bar Chart (2006)
Power Analyzer:	Voltech PM6000 SN: 200006700523 Firmware version: v1.21.07RC2
Channel(s):	1. SN: 090015502053, 28 Adjusted Date: 22 JUN 2011. 2. SN:None Adjusted Date:None 3. SN:None Adjusted Date:None 4. SN:None Adjusted Date:None 5. SN:None Adjusted Date:None 6. SN:None Adjusted Date:None
Shun(s):	1. SN: 091024301916, 4 Adjusted Date: 23 JUN 2011. 2. SN:None Adjusted Date:None 3. SN:None Adjusted Date:None 4. SN:None Adjusted Date:None 5. SN:None Adjusted Date:None 6. SN:None Adjusted Date:None
AC Source:	Mains / Manual Source
Overall Result:	<b>PASS</b>

Class	Class A
Class Multiplier	1



Type of Test:	Fluctuating Harmonics Test - Source Qualification (2006)
Power Analyzer:	Voltech PM6000 SN: 200006700523 Firmware version: v1.21.07RC2
Channel(s):	1. SN: 090015502053, 28 Adjusted Date: 22 JUN 2011. 2. SN:None Adjusted Date:None 3. SN:None Adjusted Date:None 4. SN:None Adjusted Date:None 5. SN:None Adjusted Date:None 6. SN:None Adjusted Date:None
Shunt(s):	1. SN: 091024301916, 4 Adjusted Date: 23 JUN 2011. 2. SN:None Adjusted Date:None 3. SN:None Adjusted Date:None 4. SN:None Adjusted Date:None 5. SN:None Adjusted Date:None 6. SN:None Adjusted Date:None
AC Source:	Mains / Manual Source
Overall Result:	<b>PASS</b>

	Nominal	Measured	Deviation	Allowed Deviation	Result
Supply Voltage	230.00V	229.48V	0.52V	4.60V	Pass
Supply Frequency	50.00Hz	49.98Hz	0.02Hz	0.25Hz	Pass
Crest Factor	1.4100	1.4189	0.0089	+/- 0.01	Pass

Harmonic	Reading	Limit	Result	Harmonic	Reading	Limit	Result
2	0.12%	0.20%	Pass	3	0.06%	0.90%	Pass
4	0.04%	0.20%	Pass	5	0.05%	0.40%	Pass
6	0.03%	0.20%	Pass	7	0.06%	0.30%	Pass
8	0.04%	0.20%	Pass	9	0.04%	0.20%	Pass
10	0.02%	0.20%	Pass	11	0.03%	0.10%	Pass
12	0.02%	0.10%	Pass	13	0.02%	0.10%	Pass
14	0.01%	0.10%	Pass	15	0.04%	0.10%	Pass
16	0.01%	0.10%	Pass	17	0.02%	0.10%	Pass
18	0.01%	0.10%	Pass	19	0.02%	0.10%	Pass
20	0.01%	0.10%	Pass	21	0.03%	0.10%	Pass
22	0.01%	0.10%	Pass	23	0.01%	0.10%	Pass
24	0.01%	0.10%	Pass	25	0.02%	0.10%	Pass
26	0.01%	0.10%	Pass	27	0.03%	0.10%	Pass
28	0.01%	0.10%	Pass	29	0.01%	0.10%	Pass
30	0.01%	0.10%	Pass	31	0.01%	0.10%	Pass
32	0.01%	0.10%	Pass	33	0.01%	0.10%	Pass
34	0.01%	0.10%	Pass	35	0.01%	0.10%	Pass
36	0.01%	0.10%	Pass	37	0.03%	0.10%	Pass
38	0.01%	0.10%	Pass	39	0.03%	0.10%	Pass
40	0.01%	0.10%	Pass				



Type of Test:	Fluctuating Harmonics Test - Worst Case Table (2006)
Power Analyzer:	Voltech PM6000 SN: 200006700523 Firmware version: v1.21.07RC2
Channel(s):	1. SN: 090015502053, 28 Adjusted Date: 22 JUN 2011. 2. SN:None Adjusted Date:None 3. SN:None Adjusted Date:None 4. SN:None Adjusted Date:None 5. SN:None Adjusted Date:None 6. SN:None Adjusted Date:None
Shunt(s):	1. SN: 091024301916, 4 Adjusted Date: 23 JUN 2011. 2. SN:None Adjusted Date:None 3. SN:None Adjusted Date:None 4. SN:None Adjusted Date:None 5. SN:None Adjusted Date:None 6. SN:None Adjusted Date:None
AC Source:	Mains / Manual Source
Overall Result:	PASS

Class	Class A
Class Multiplier	1

Harm	Limit 1	Limit 2	Average Reading	<L1 <L2	Max Reading	<L2	Pass FAIL	Harm	Limit 1	Limit 2	Average Reading	<L1 <L2	Max Reading	<L2	Pass FAIL
2	1.0600A	1.6200A	0.782mA	✓✓	0.828mA	✓	N/A	3	2.3000A	3.4500A	4.930mA	✓✓	4.996mA	✓	N/A
4	430.0mA	645.0mA	0.257mA	✓✓	0.299mA	✓	N/A	5	1.1400A	1.7100A	1.919mA	✓✓	1.981mA	✓	N/A
6	300.0mA	450.0mA	0.278mA	✓✓	0.322mA	✓	N/A	7	770.0mA	1.1550A	2.328mA	✓✓	2.417mA	✓	N/A
8	230.0mA	345.0mA	0.204mA	✓✓	0.364mA	✓	N/A	9	400.0mA	600.0mA	1.989mA	✓✓	2.056mA	✓	N/A
10	184.0mA	276.0mA	0.142mA	✓✓	0.160mA	✓	N/A	11	330.0mA	495.0mA	1.847mA	✓✓	1.874mA	✓	N/A
12	153.3mA	230.0mA	0.211mA	✓✓	0.237mA	✓	N/A	13	210.0mA	315.0mA	1.785mA	✓✓	1.809mA	✓	N/A
14	131.4mA	197.1mA	0.119mA	✓✓	0.142mA	✓	N/A	15	150.0mA	225.0mA	1.790mA	✓✓	1.813mA	✓	N/A
16	115.0mA	172.5mA	0.147mA	✓✓	0.159mA	✓	N/A	17	132.3mA	198.5mA	1.479mA	✓✓	1.499mA	✓	N/A
18	102.2mA	153.3mA	0.141mA	✓✓	0.157mA	✓	N/A	19	118.4mA	177.6mA	1.326mA	✓✓	1.343mA	✓	N/A
20	92.00mA	138.0mA	0.135mA	✓✓	0.151mA	✓	N/A	21	107.1mA	160.7mA	1.157mA	✓✓	1.178mA	✓	N/A
22	83.63mA	125.4mA	0.128mA	✓✓	0.140mA	✓	N/A	23	97.82mA	146.7mA	1.064mA	✓✓	1.085mA	✓	N/A
24	76.66mA	115.0mA	0.174mA	✓✓	0.185mA	✓	N/A	25	90.00mA	135.0mA	0.816mA	✓✓	0.846mA	✓	N/A
26	70.76mA	106.1mA	0.123mA	✓✓	0.134mA	✓	N/A	27	83.33mA	125.0mA	0.951mA	✓✓	0.969mA	✓	N/A
28	65.71mA	98.57mA	0.106mA	✓✓	0.116mA	✓	N/A	29	77.58mA	116.3mA	0.667mA	✓✓	0.684mA	✓	N/A
30	61.33mA	92.00mA	0.104mA	✓✓	0.115mA	✓	N/A	31	72.58mA	108.8mA	0.494mA	✓✓	0.516mA	✓	N/A
32	57.50mA	86.25mA	0.106mA	✓✓	0.120mA	✓	N/A	33	68.18mA	102.2mA	0.291mA	✓✓	0.308mA	✓	N/A
34	54.11mA	81.17mA	0.093mA	✓✓	0.104mA	✓	N/A	35	64.28mA	96.42mA	0.328mA	✓✓	0.344mA	✓	N/A
36	51.11mA	76.66mA	0.117mA	✓✓	0.128mA	✓	N/A	37	60.81mA	91.21mA	0.325mA	✓✓	0.344mA	✓	N/A
38	48.42mA	72.63mA	0.111mA	✓✓	0.120mA	✓	N/A	39	57.69mA	86.53mA	0.128mA	✓✓	0.140mA	✓	N/A
40	46.00mA	69.00mA	0.094mA	✓✓	0.105mA	✓	N/A								

<L1 : Reading is below limit 1.

<L2 : Reading is below limit 2.

N/A : Harmonic current below 0.6% of rated current or 5mA, whichever is greater, are disregarded.

### A.5 Voltage Fluctuation and Flicker

<b>Test Model</b>	S26R2ZBTPG	<b>Test Engineer</b>	Jay Li	
<b>Environmental Conditions</b>	23.7°C, 53.3% RH	<b>Test Voltage</b>	AC 230V/50Hz	
<p><b>Type of Test:</b> Flickermeter Test - Table</p> <p><b>Power Analyzer:</b> Voltech PM6000 SN: 200006700523 Firmware Version: v1.21.07RC2</p> <p><b>Channel(s):</b></p> <p>1. SN: 090015502053, 28 Adjusted Date: 22 JUN 2011. 2. SN:None Adjusted Date:None</p> <p>3. SN:None Adjusted Date:None 4. SN:None Adjusted Date:None</p> <p>5. SN:None Adjusted Date:None 6. SN:None Adjusted Date:None</p> <p><b>Shunt(s):</b></p> <p>1. SN: 091024301916, 4 Adjusted Date: 23 JUN 2011. 2. SN:None Adjusted Date:None</p> <p>3. SN:None Adjusted Date:None 4. SN:None Adjusted Date:None</p> <p>5. SN:None Adjusted Date:None 6. SN:None Adjusted Date:None</p> <p><b>AC Source:</b> Mains / Manual Source</p>				
<b>Overall Result:</b>	<p><b>Notes:</b></p> <p>Measurement method - Voltage</p>			
<b>PASS</b>				
	<b>Pst</b>	<b>dc (%)</b>	<b>dmax (%)</b>	<b>d(t) &gt; 3.3%(ms)</b>
<b>Limit</b>	1.000	3.300	4.000	500
<b>Reading 1</b>	0.089	0.006	0.120	0

### A.5 Voltage Fluctuation and Flicker

<b>Test Model</b>	S26R2ZBTPG	<b>Test Engineer</b>	Jay Li	
<b>Environmental Conditions</b>	22.2°C, 52.4% RH	<b>Test Voltage</b>	AC 230V/50Hz	
Type of Test:	Flickermeter Test - Table			
Power Analyzer:	Voltech PM6000 SN: 200006700523 Firmware Version: v1.21.07RC2			
Channel(s):	1. SN: 090015502053, 28 Adjusted Date: 22 JUN 2011. 2. SN:None Adjusted Date:None 3. SN:None Adjusted Date:None 4. SN:None Adjusted Date:None 5. SN:None Adjusted Date:None 6. SN:None Adjusted Date:None			
Shunt(s):	1. SN: 091024301916, 4 Adjusted Date: 23 JUN 2011. 2. SN:None Adjusted Date:None 3. SN:None Adjusted Date:None 4. SN:None Adjusted Date:None 5. SN:None Adjusted Date:None 6. SN:None Adjusted Date:None			
AC Source:	Mains / Manual Source			
Overall Result:	Notes:			
<b>PASS</b>	Measurement method - Voltage			
	Pst	dc (%)	dmax (%)	d(t) > 3.3%(ms)
Limit	1.000	3.300	4.000	500
Reading 1	0.088	0.006	0.108	0

**A.6 RF Electromagnetic Field (80 MHz - 6000 MHz)**

<b>Test Model</b>	S26R2ZBTPG	<b>Test Engineer</b>	Jay Li
<b>Environmental Conditions</b>	23.2°C, 53.6% RH	<b>Test Voltage</b>	AC 230V/50Hz

**TM1 Test Result:**

EUT Working Mode	Antenna Polarity	Frequency (MHz)	Fielded Strength (V/m)	Observation	Position	Conclusion
Operating Mode	Vertical	80-6000	3	CT, CR	Front, Right, Left, Back	Pass
	Horizontal	80-6000	3	CT, CR	Front, Right, Left, Back	Pass
Idle	Vertical	80-6000	3	CT, CR	Front, Right, Left, Back	Pass
	Horizontal	80-6000	3	CT, CR	Front, Right, Left, Back	Pass

**TM2 Test Result:**

EUT Working Mode	Antenna Polarity	Frequency (MHz)	Fielded Strength (V/m)	Observation	Position	Conclusion
Operating Mode	Vertical	80-6000	3	CT, CR	Front, Right, Left, Back	Pass
	Horizontal	80-6000	3	CT, CR	Front, Right, Left, Back	Pass
Idle	Vertical	80-6000	3	CT, CR	Front, Right, Left, Back	Pass
	Horizontal	80-6000	3	CT, CR	Front, Right, Left, Back	Pass

## A.7 Electrostatic Discharge

Electrostatic Discharge Test Results			
<b>Standard</b>	<input type="checkbox"/> IEC 61000-4-2 <input checked="" type="checkbox"/> EN 61000-4-2		
<b>Applicant</b>	Shenzhen Sonoff Technologies Co., Ltd.		
<b>EUT</b>	ZigBee Smart Plug	<b>Temperature</b>	22.2°C
<b>M/N</b>	S26R2ZBTPG	<b>Humidity</b>	52.5%
<b>Criterion</b>	B	<b>Pressure</b>	1021mbar
<b>Test Mode</b>	TM1-TM2	<b>Test Engineer</b>	Jay Li
TEST RESULT OF TM1			
Test Voltage	Coupling	Observation	Result (Pass/Fail)
±2KV, ±4kV	Contact Discharge	TT, TR	Pass
±2KV, ±4kV, ±8kV	Air Discharge	TT, TR	Pass
±2KV, ±4kV	Indirect Discharge HCP	TT, TR	Pass
±2KV, ±4kV	Indirect Discharge VCP	TT, TR	Pass
TEST RESULT OF TM2			
Test Voltage	Coupling	Result (Pass/Fail)	
±2KV, ±4kV	Contact Discharge	Pass	
±2KV, ±4kV, ±8kV	Air Discharge	Pass	
±2KV, ±4kV	Indirect Discharge HCP	Pass	
±2KV, ±4kV	Indirect Discharge VCP	Pass	
Note: The EUT performance complied with performance criteria for TT&TR Function and there is no any degradation of performance and function.			

## A.8 Electrical Fast Transient Immunity

Electrical Fast Transient/Burst Test Results			
<b>Standard</b>	<input type="checkbox"/> IEC 61000-4-4 <input checked="" type="checkbox"/> EN 61000-4-4		
<b>Applicant</b>	Shenzhen Sonoff Technologies Co., Ltd.		
<b>EUT</b>	ZigBee Smart Plug	<b>Temperature</b>	23.6°C
<b>M/N</b>	S26R2ZBTPG	<b>Humidity</b>	52.5%
<b>Test Mode</b>	TM1-TM2	<b>Criterion</b>	B
<b>Test Engineer</b>	Jay Li		

### TEST RESULT OF TM1

Line	Test Voltage	Polarity	Observation	Result (Pass/Fail)
L	1KV	+/-	TT, TR	Pass
N	1KV	+/-	TT, TR	Pass
L-N	1KV	+/-	TT, TR	Pass

### TEST RESULT OF TM2

Line	Test Voltage	Polarity	Result (Pass/Fail)
L	1KV	+/-	Pass
N	1KV	+/-	Pass
L-N	1KV	+/-	Pass

## A.9 RF Common Mode

Injected Currents Susceptibility Test Results				
Standard	<input type="checkbox"/> IEC 61000-4-6 <input checked="" type="checkbox"/> EN 61000-4-6			
Applicant	Shenzhen Sonoff Technologies Co., Ltd.			
EUT	ZigBee Smart Plug	Temperature	23.5°C	
M/N	S26R2ZBTPG	Humidity	52.4%	
Test Mode	TM1-TM2	Criterion	A	
Test Engineer	Jay Li			
TEST RESULT OF TM1				
Frequency Range (MHz)	Strength (Unmodulated)	Injected Position	Observation	Result (Pass/Fail)
0.15 ~ 10	3V	AC Mains	CT, CR	Pass
10 ~ 30	3V to 1V			
30 ~ 80	1V			
TEST RESULT OF TM2				
Frequency Range (MHz)	Strength (Unmodulated)	Injected Position	Result (Pass/Fail)	
0.15 ~ 10	3V	AC Mains	Pass	
10 ~ 30	3V to 1V			
30 ~ 80	1V			
Remark:				
1. Modulation Signal: 1kHz 80% AM				
2. Measurement Equipment :				
Simulator: CIT-10 (FRANKONIA)				
CDN : <input checked="" type="checkbox"/> CDN-M2 (FRANKONIA)				
<input type="checkbox"/> CDN-M3 (FRANKONIA)				

**A.10 Surges, Line to Line and Line to Ground**

Surge Immunity Test Result			
<b>Standard</b>	<input type="checkbox"/> IEC 61000-4-5 <input checked="" type="checkbox"/> EN 61000-4-5		
<b>Applicant</b>	Shenzhen Sonoff Technologies Co., Ltd.		
<b>EUT</b>	ZigBee Smart Plug	<b>Temperature</b>	22.4°C
<b>M/N</b>	S26R2ZBTPG	<b>Humidity</b>	52.6%
<b>Test Mode</b>	TM1-TM2	<b>Criterion</b>	B
<b>Test Engineer</b>	Jay Li		

TEST RESULT OF TM1						
Location	Polarity	Phase Angle	Number of Pulse	Pulse Voltage (KV)	Observation	Result (Pass/Fail)
L-N	+	0°, 90°, 180°, 270°	5	1.0	TT, TR	Pass
	-	0°, 90°, 180°, 270°	5	1.0	TT, TR	Pass

TEST RESULT OF TM2					
Location	Polarity	Phase Angle	Number of Pulse	Pulse Voltage (KV)	Result (Pass/Fail)
L-N	+	0°, 90°, 180°, 270°	5	1.0	Pass
	-	0°, 90°, 180°, 270°	5	1.0	Pass



## A.11 Voltage Dips/Interruptions Immunity Test

Voltage Dips And Interruptions Test Results			
<b>Standard</b>	<input type="checkbox"/> IEC 61000-4-11 <input checked="" type="checkbox"/> EN 61000-4-11		
<b>Applicant</b>	Shenzhen Sonoff Technologies Co., Ltd.		
<b>EUT</b>	ZigBee Smart Plug	<b>Temperature</b>	23.1 °C
<b>M/N</b>	S26R2ZBTPG	<b>Humidity</b>	52.2%
<b>Test Mode</b>	TM1-TM2	<b>Criterion</b>	B&C
<b>Test Engineer</b>	Jay Li		

TEST RESULT OF TM1				
Test Level % U <sub>T</sub>	Voltage Dips & Short Interruptions % U <sub>T</sub>	Duration (in periods)	Observation	Result (Pass/Fail)
0	100	0.5P	TT, TR	Pass
0	100	1P	TT, TR	Pass
70	30	25P	TT, TR	Pass
0	100	250P	TT, TR	Pass
TEST RESULT OF TM2				
Test Level % U <sub>T</sub>	Voltage Dips & Short Interruptions % U <sub>T</sub>	Duration (in periods)	Result (Pass/Fail)	
0	100	0.5P	Pass	
0	100	1P	Pass	
70	30	25P	Pass	
0	100	250P	Pass	