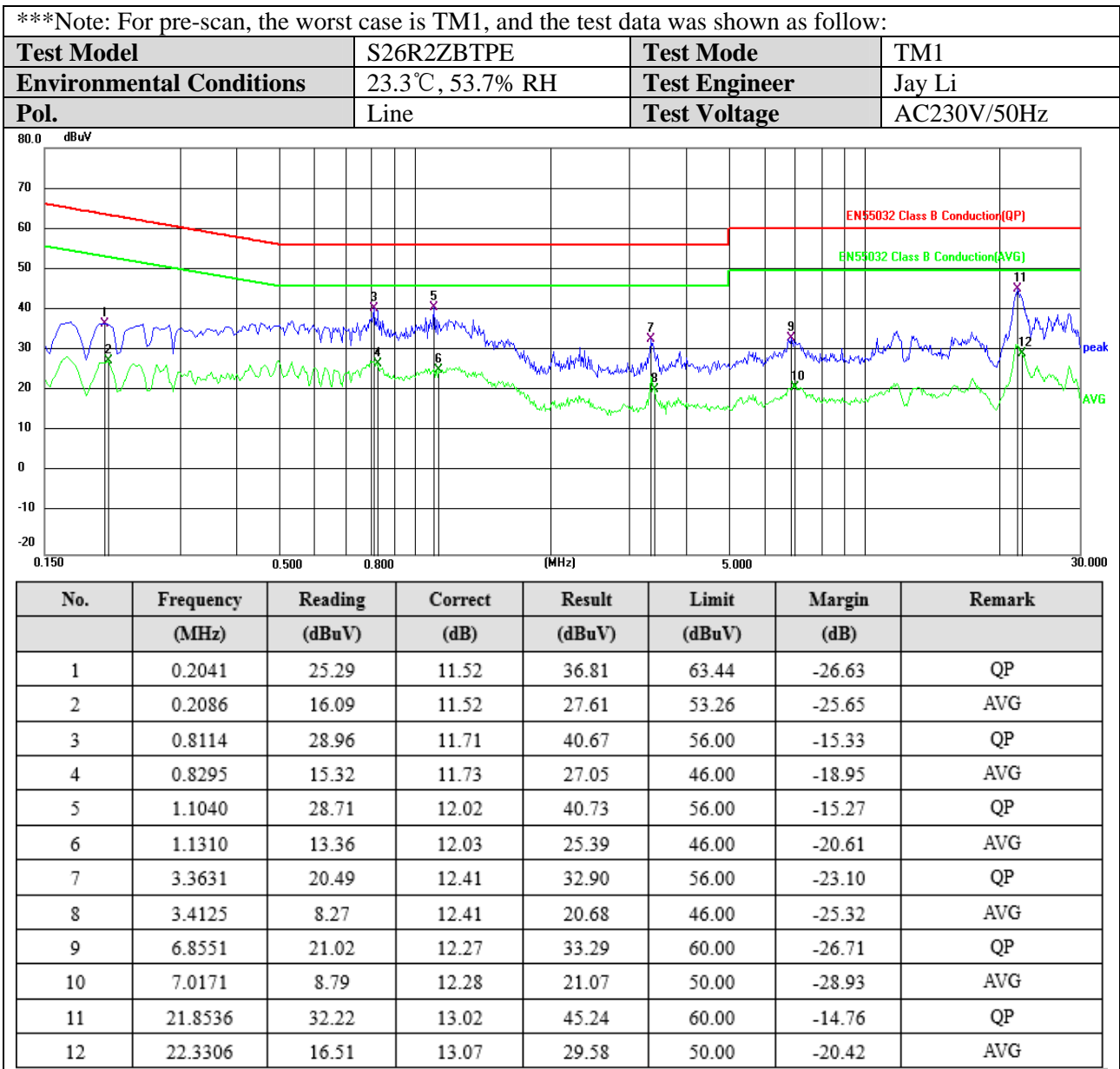


Appendix A for Emission and Immunity test results

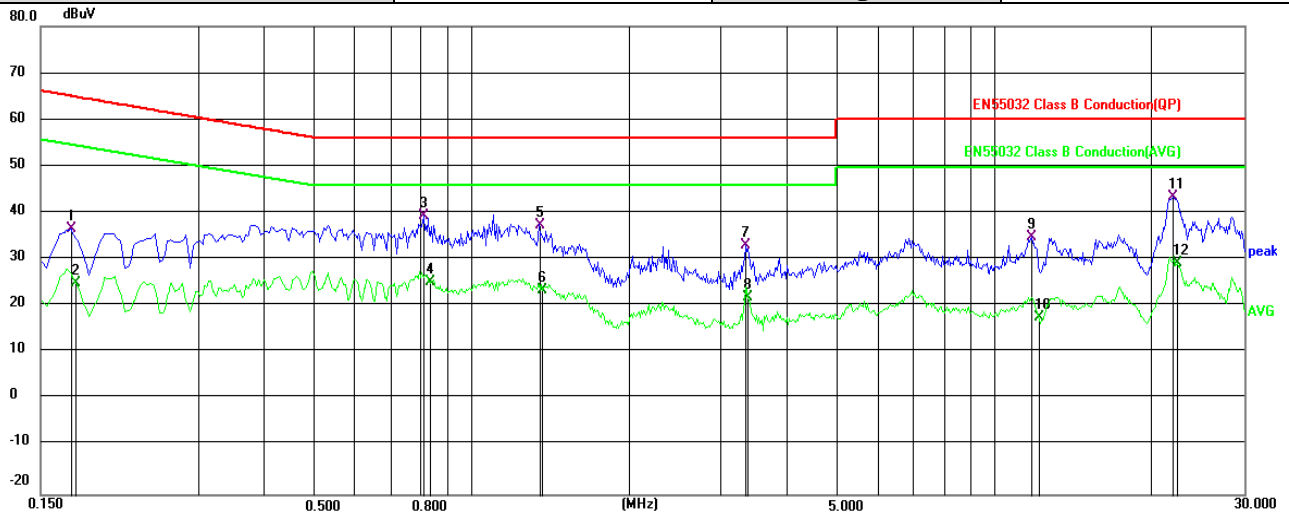
Product Name: ZigBee Smart Plug

Test Model: S26R2ZBTPE

A.1 Line Conducted Emission



Test Model	S26R2ZBTPE	Test Mode	TM1
Environmental Conditions	23.3°C, 53.7% RH	Test Engineer	Jay Li
Pol.	Neutral	Test Voltage	AC230V/50Hz

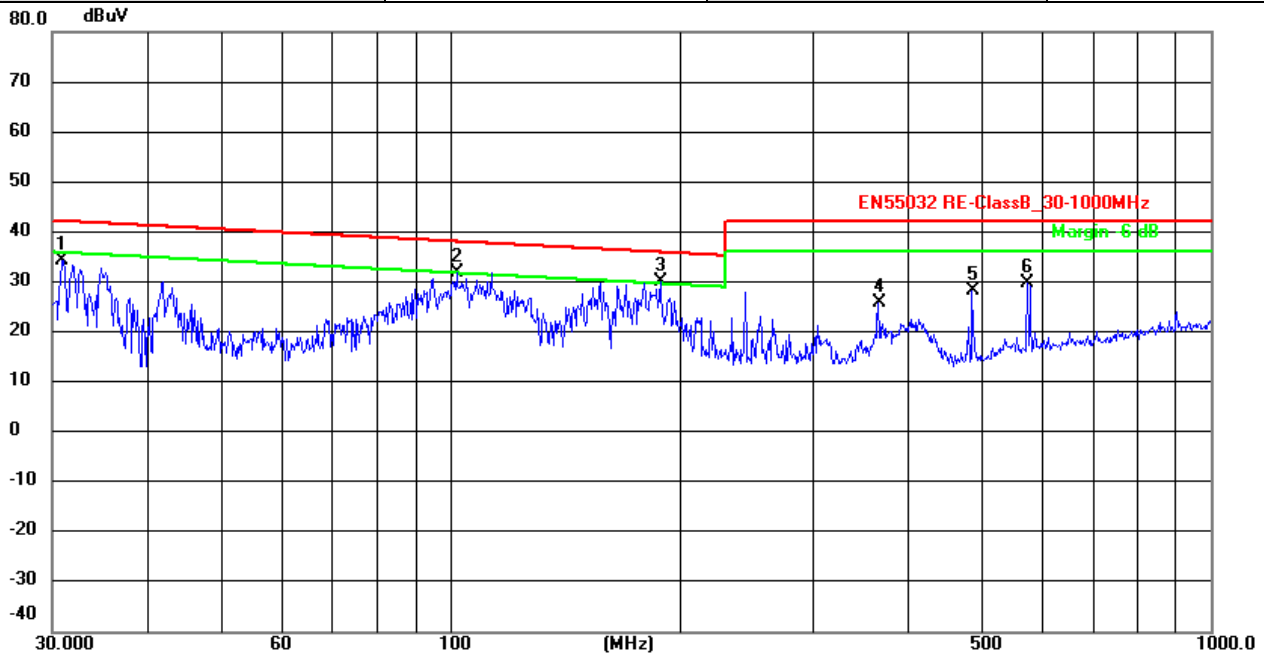


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1726	25.20	11.52	36.72	64.83	-28.11	QP
2	0.1748	13.77	11.52	25.29	54.73	-29.44	AVG
3	0.8114	27.96	11.71	39.67	56.00	-16.33	QP
4	0.8339	13.64	11.74	25.38	46.00	-20.62	AVG
5	1.3469	25.56	12.12	37.68	56.00	-18.32	QP
6	1.3693	11.58	12.14	23.72	46.00	-22.28	AVG
7	3.3631	20.99	12.41	33.40	56.00	-22.60	QP
8	3.3946	9.88	12.41	22.29	46.00	-23.71	AVG
9	11.7466	22.14	12.95	35.09	60.00	-24.91	QP
10	12.1830	4.98	13.03	18.01	50.00	-31.99	AVG
11	21.9481	30.46	13.03	43.49	60.00	-16.51	QP
12	22.3306	16.51	13.07	29.58	50.00	-20.42	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.

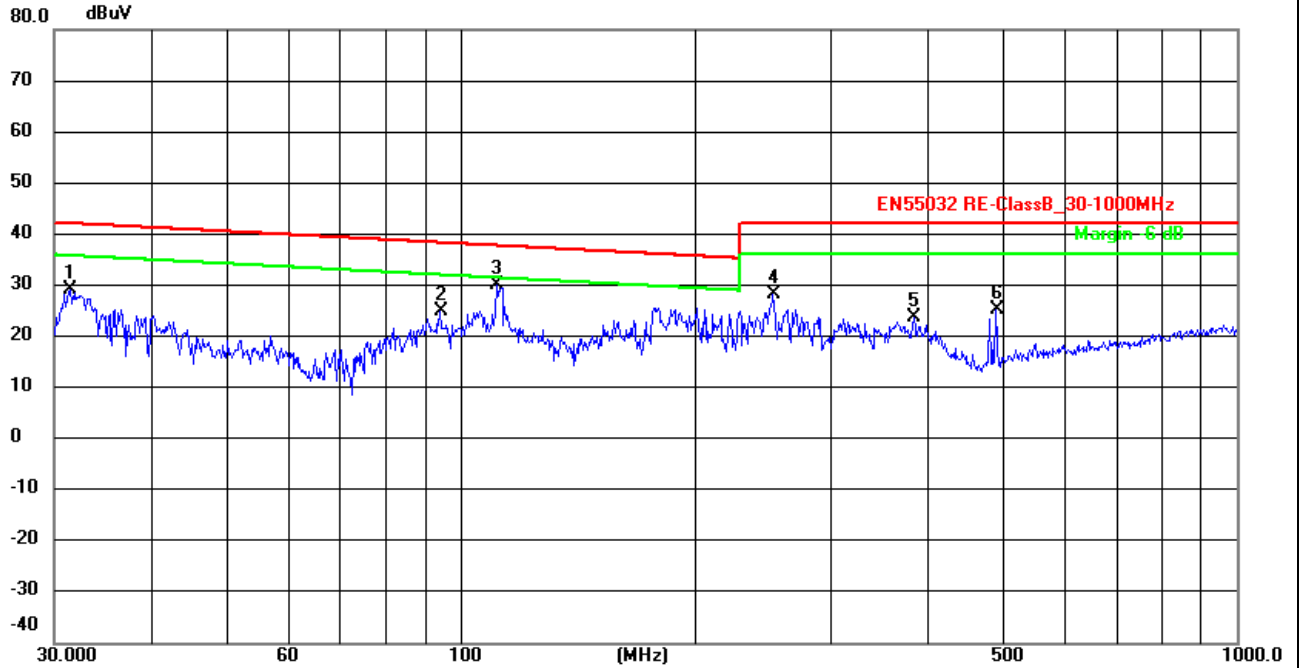
A.3 Radiated Disturbance

Test Model	S26R2ZBTPE	Test Mode	TM1
Environmental Conditions	21.6°C, 52.7% RH	Test Engineer	Jay Li
Pol.	Vertical	Detector Function	Quasi-peak
Distance	3m	Test Voltage	AC 230V/50Hz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.
1	30.8535	58.01	-23.68	34.33	41.90	-7.57	QP
2 !	102.0014	51.12	-19.27	31.85	37.79	-5.94	QP
3 *	189.0743	53.80	-23.55	30.25	35.67	-5.42	QP
4	365.5391	45.49	-19.60	25.89	42.00	-16.11	QP
5	485.6093	46.02	-17.79	28.23	42.00	-13.77	QP
6	574.6258	45.91	-16.01	29.90	42.00	-12.10	QP

Test Model	S26R2ZBTPE	Test Mode	TM1
Environmental Conditions	21.6°C, 52.7% RH	Test Engineer	Jay Li
Pol.	Horizontal	Detector Function	Quasi-peak
Distance	3m	Test Voltage	AC 230V/50Hz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.
1	31.5095	52.87	-23.64	29.23	41.83	-12.60	QP
2	94.0979	45.10	-20.07	25.03	38.07	-13.04	QP
3 *	111.3468	49.89	-19.74	30.15	37.49	-7.34	QP
4	252.9482	49.81	-21.55	28.26	42.00	-13.74	QP
5	383.9318	43.08	-19.29	23.79	42.00	-18.21	QP
6	489.0269	42.99	-17.75	25.24	42.00	-16.76	QP

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

Freq. MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
1126.04	49.31	1.14	50.45	70.00	-19.55	Peak	Horizontal
1126.04	30.58	1.14	31.72	50.00	-18.28	Average	Horizontal
1693.32	49.38	2.67	52.05	70.00	-17.95	Peak	Horizontal
1693.32	29.26	2.67	31.93	50.00	-18.07	Average	Horizontal
2396.28	48.75	5.75	54.50	70.00	-15.50	Peak	Horizontal
2396.28	29.85	5.75	35.60	50.00	-14.40	Average	Horizontal
3383.20	49.10	1.83	50.93	74.00	-23.07	Peak	Horizontal
3383.20	31.20	1.83	33.03	54.00	-20.97	Average	Horizontal
4189.41	49.68	3.17	52.85	74.00	-21.15	Peak	Horizontal
4189.41	28.20	3.17	31.37	54.00	-22.63	Average	Horizontal
5925.58	51.18	6.13	57.31	74.00	-16.69	Peak	Horizontal
5925.58	28.61	6.13	34.74	54.00	-19.26	Average	Horizontal

Freq. MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
1126.30	50.50	1.14	51.64	70.00	-18.36	Peak	Vertical
1126.30	29.46	1.14	30.60	50.00	-19.40	Average	Vertical
1558.48	49.24	2.67	51.91	70.00	-18.09	Peak	Vertical
1558.48	29.05	2.67	31.72	50.00	-18.28	Average	Vertical
2918.40	48.16	5.75	53.91	70.00	-16.09	Peak	Vertical
2918.40	30.01	5.75	35.76	50.00	-14.24	Average	Vertical
3734.54	49.36	1.83	51.19	74.00	-22.81	Peak	Vertical
3734.54	30.67	1.83	32.50	54.00	-21.50	Average	Vertical
4597.17	48.55	3.17	51.72	74.00	-22.28	Peak	Vertical
4597.17	30.51	3.17	33.68	54.00	-20.32	Average	Vertical
5978.98	48.12	6.13	54.25	74.00	-19.75	Peak	Vertical
5978.98	31.95	6.13	38.08	54.00	-15.92	Average	Vertical

Note:

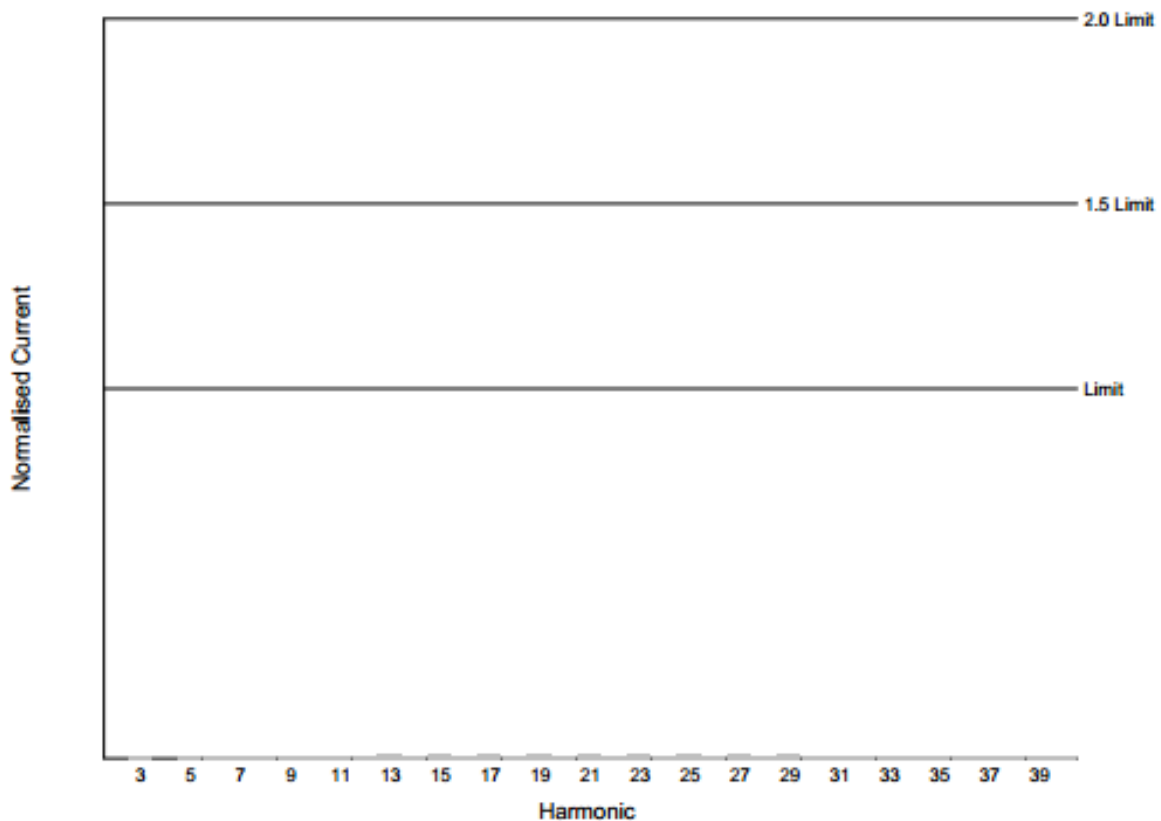
- Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- Measurements above show only up to 6 maximum emissions noted.
- Data of measurement within this frequency range shown "--" in the 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

Type of Test: EN61000:2006 Harmonics inc. interharmonics to EN61000-4-7:2002 Limits: Class A 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																																									
Harmonic Results Against Chosen Limits: <div style="font-size: 2em; color: green; text-align: center;">PASS</div>	Notes:																																								
<table border="1"> <thead> <tr> <th>Test Parameter Details</th> <th>User Entered</th> <th>Measured</th> </tr> </thead> <tbody> <tr> <td>Operating Frequency:</td> <td>50</td> <td>49.9840</td> </tr> <tr> <td>Operating Voltage:</td> <td>230</td> <td>229.1933</td> </tr> <tr> <td>Specified Power:</td> <td>0.0000</td> <td>139.8874</td> </tr> <tr> <td>Fundamental Current:</td> <td>0.0000</td> <td>0.6096</td> </tr> <tr> <td>Power Factor:</td> <td>0.0000</td> <td>0.9997</td> </tr> <tr> <td>Average Input Current:</td> <td></td> <td>0.6095</td> </tr> <tr> <td>Maximum POHC:</td> <td></td> <td>0.0023</td> </tr> <tr> <td>POHC Limit:</td> <td></td> <td>0.2514</td> </tr> <tr> <td>Maximum THC:</td> <td></td> <td>0.0083</td> </tr> <tr> <td>Minimum Power:</td> <td>75</td> <td></td> </tr> <tr> <td>Class Multiplier:</td> <td>1.0000</td> <td></td> </tr> <tr> <td>Test Duration:</td> <td>00:02:30</td> <td></td> </tr> </tbody> </table>	Test Parameter Details	User Entered	Measured	Operating Frequency:	50	49.9840	Operating Voltage:	230	229.1933	Specified Power:	0.0000	139.8874	Fundamental Current:	0.0000	0.6096	Power Factor:	0.0000	0.9997	Average Input Current:		0.6095	Maximum POHC:		0.0023	POHC Limit:		0.2514	Maximum THC:		0.0083	Minimum Power:	75		Class Multiplier:	1.0000		Test Duration:	00:02:30			
Test Parameter Details	User Entered	Measured																																							
Operating Frequency:	50	49.9840																																							
Operating Voltage:	230	229.1933																																							
Specified Power:	0.0000	139.8874																																							
Fundamental Current:	0.0000	0.6096																																							
Power Factor:	0.0000	0.9997																																							
Average Input Current:		0.6095																																							
Maximum POHC:		0.0023																																							
POHC Limit:		0.2514																																							
Maximum THC:		0.0083																																							
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 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



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:	PASS

	Nominal	Measured	Deviation	Allowed Deviation	Result
Supply Voltage	230.00V	229.19V	0.81V	4.60V	Pass
Supply Frequency	50.00Hz	49.98Hz	0.02Hz	0.25Hz	Pass
Crest Factor	1.4100	1.4188	0.0088	+/- 0.01	Pass

Harmonic	Reading	Limit	Result	Harmonic	Reading	Limit	Result
2	0.08%	0.20%	Pass	3	0.03%	0.90%	Pass
4	0.02%	0.20%	Pass	5	0.04%	0.40%	Pass
6	0.02%	0.20%	Pass	7	0.05%	0.30%	Pass
8	0.03%	0.20%	Pass	9	0.03%	0.20%	Pass
10	0.01%	0.20%	Pass	11	0.03%	0.10%	Pass
12	0.01%	0.10%	Pass	13	0.01%	0.10%	Pass
14	0.01%	0.10%	Pass	15	0.03%	0.10%	Pass
16	0.01%	0.10%	Pass	17	0.01%	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	0.00%	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	1.6600A	1.6200A	0.577mA	✓ ✓	0.645mA	✓	N/A	3	2.3000A	3.4500A	5.131mA	✓ ✓	5.238mA	✓	Pass
4	430.0mA	645.0mA	0.177mA	✓ ✓	0.233mA	✓	N/A	5	1.1400A	1.7100A	2.226mA	✓ ✓	2.344mA	✓	N/A
6	300.0mA	450.0mA	0.242mA	✓ ✓	0.306mA	✓	N/A	7	770.0mA	1.1550A	2.604mA	✓ ✓	2.760mA	✓	N/A
8	230.0mA	345.0mA	0.190mA	✓ ✓	0.270mA	✓	N/A	9	400.0mA	600.0mA	2.253mA	✓ ✓	2.358mA	✓	N/A
10	184.0mA	276.0mA	0.134mA	✓ ✓	0.154mA	✓	N/A	11	330.0mA	495.0mA	2.098mA	✓ ✓	2.187mA	✓	N/A
12	153.3mA	230.0mA	0.192mA	✓ ✓	0.227mA	✓	N/A	13	210.0mA	315.0mA	1.996mA	✓ ✓	2.065mA	✓	N/A
14	131.4mA	197.1mA	0.125mA	✓ ✓	0.143mA	✓	N/A	15	150.0mA	225.0mA	1.985mA	✓ ✓	2.045mA	✓	N/A
16	115.0mA	172.5mA	0.135mA	✓ ✓	0.157mA	✓	N/A	17	132.3mA	198.5mA	1.631mA	✓ ✓	1.685mA	✓	N/A
18	102.2mA	153.3mA	0.130mA	✓ ✓	0.143mA	✓	N/A	19	118.4mA	177.6mA	1.435mA	✓ ✓	1.486mA	✓	N/A
20	92.00mA	138.0mA	0.133mA	✓ ✓	0.153mA	✓	N/A	21	107.1mA	160.7mA	1.226mA	✓ ✓	1.274mA	✓	N/A
22	83.63mA	125.4mA	0.112mA	✓ ✓	0.122mA	✓	N/A	23	97.82mA	146.7mA	1.107mA	✓ ✓	1.145mA	✓	N/A
24	76.66mA	115.0mA	0.179mA	✓ ✓	0.193mA	✓	N/A	25	90.00mA	135.0mA	0.832mA	✓ ✓	0.872mA	✓	N/A
26	70.76mA	106.1mA	0.116mA	✓ ✓	0.130mA	✓	N/A	27	83.33mA	125.0mA	0.943mA	✓ ✓	0.973mA	✓	N/A
28	65.71mA	98.57mA	0.103mA	✓ ✓	0.116mA	✓	N/A	29	77.58mA	116.3mA	0.632mA	✓ ✓	0.677mA	✓	N/A
30	61.33mA	92.00mA	0.104mA	✓ ✓	0.116mA	✓	N/A	31	72.58mA	108.8mA	0.430mA	✓ ✓	0.469mA	✓	N/A
32	57.50mA	86.25mA	0.105mA	✓ ✓	0.118mA	✓	N/A	33	68.18mA	102.2mA	0.235mA	✓ ✓	0.291mA	✓	N/A
34	54.11mA	81.17mA	0.095mA	✓ ✓	0.106mA	✓	N/A	35	64.28mA	96.42mA	0.244mA	✓ ✓	0.325mA	✓	N/A
36	51.11mA	76.66mA	0.111mA	✓ ✓	0.124mA	✓	N/A	37	60.81mA	91.21mA	0.252mA	✓ ✓	0.328mA	✓	N/A
38	48.42mA	72.63mA	0.110mA	✓ ✓	0.126mA	✓	N/A	39	57.69mA	86.53mA	0.197mA	✓ ✓	0.228mA	✓	N/A
40	46.00mA	69.00mA	0.094mA	✓ ✓	0.109mA	✓	N/A								

<L1 : Reading is below limit 1.

<L2 : Reading is below limit 2.

N/A : Harmonic current below 0.8% of rated current or 5mA, whichever is greater, are disregarded.

A.5 Voltage Fluctuation and Flicker

Test Model	S26R2ZBTPE	Test Engineer	Jay Li	
Environmental Conditions	22.2°C, 52.4% RH	Test Voltage	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:			
PASS	Measurement method - Voltage			
	Pst	dc (%)	dmax (%)	d(t) > 3.3%(ms)
Limit	1.000	3.300	4.000	500
Reading 1	0.747	0.496	0.975	0

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

Test Model	S26R2ZBTPE	Test Engineer	Jay Li
Environmental Conditions	23.2°C, 53.6% RH	Test Voltage	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			
Standard	<input type="checkbox"/> IEC 61000-4-2 <input checked="" type="checkbox"/> EN 61000-4-2		
Applicant	Shenzhen Sonoff Technologies Co., Ltd.		
EUT	ZigBee Smart Plug	Temperature	22.2°C
M/N	S26R2ZBTPE	Humidity	52.5%
Criterion	B	Pressure	1021mbar
Test Mode	TM1-TM2	Test Engineer	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			
Standard	<input type="checkbox"/> IEC 61000-4-4 <input checked="" type="checkbox"/> EN 61000-4-4		
Applicant	Shenzhen Sonoff Technologies Co., Ltd.		
EUT	ZigBee Smart Plug	Temperature	23.6°C
M/N	S26R2ZBTPE	Humidity	52.5%
Test Mode	TM1-TM2	Criterion	B
Test Engineer	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	S26R2ZBTPE	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			
Standard	<input type="checkbox"/> IEC 61000-4-5 <input checked="" type="checkbox"/> EN 61000-4-5		
Applicant	Shenzhen Sonoff Technologies Co., Ltd.		
EUT	ZigBee Smart Plug	Temperature	22.4°C
M/N	S26R2ZBTPE	Humidity	52.6%
Test Mode	TM1-TM2	Criterion	B
Test Engineer	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)	Observation	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			
Standard	<input type="checkbox"/> IEC 61000-4-11 <input checked="" type="checkbox"/> EN 61000-4-11		
Applicant	Shenzhen Sonoff Technologies Co., Ltd.		
EUT	ZigBee Smart Plug	Temperature	23.1 °C
M/N	S26R2ZBTPE	Humidity	52.2%
Test Mode	TM1-TM2	Criterion	B&C
Test Engineer	Jay Li		

TEST RESULT OF TM1				
Test Level % U _T	Voltage Dips & Short Interruptions % U _T	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 _T	Voltage Dips & Short Interruptions % U _T	Duration (in periods)	Result (Pass/Fail)	
0	100	0.5P	Pass	
0	100	1P	Pass	
70	30	25P	Pass	
0	100	250P	Pass	