



EUT	Smart Water Kettle	Model Name	QKY-BOIL-SLV
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2437MHZ	Antenna	Horizontal

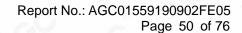
~						
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4874.066	46.99	3.75	50.74	74.00	-23.26	peak
4874.066	42.72	3.75	46.47	54.00	-7.53	AVG
7311.099	40.75	8.16	48.91	74.00	-25.09	peak
7311.099	36.12	8.16	44.28	54.00	-9.72	AVG
	7.0	0		700	7.0	0
mark:		\cup $/$	(8)			

EUT	Smart Water Kettle	Model Name	QKY-BOIL-SLV
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2437MHZ	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Tree
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4874.066	47.97	3.75	51.72	74.00	-22.28	peak
4874.066	44.86	3.75	48.61	54.00	-5.39	AVG
7311.099	41.01	8.16	49.17	74.00	-24.83	peak
7311.099	38.53	8.16	46.69	54.00	-7.31	AVG
mark:	10	z.Ĝ		10	- GC	-6



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EUT	Smart Water Kettle	Model Name	QKY-BOIL-SLV	
Temperature	25°C	Relative Humidity	55.4%	
Pressure	960hPa	Test Voltage	Normal Voltage	
Test Mode	802.11b with date rate 1 2462MHZ	Antenna	Horizontal	

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Tree
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4924.066	46.91	3.81	50.72	74.00	-23.28	peak
4924.066	43.80	3.81	47.61	54.00	-6.39	AVG
7386.099	38.47	8.19	46.66	74.00	-27.34	peak
7386.099	36.63	8.19	44.82	54.00	-9.18	AVG
emark:	6		1 204	₹0 [©]	2.O	

EUT	Smart Water Kettle	Model Name	QKY-BOIL-SLV
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2462MHZ	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4924.066	46.91	3.81	50.72	74.00	-23.28	peak
4924.066	44.80	3.81	48.61	54.00	-5.39	AVG
7386.099	38.87	8.19	47.06	74.00	-26.94	peak
7386.099	37.36	8.19	45.55	54.00	-8.45	AVG
<u>0</u>			0	®		1
mark:	<u> </u>			.0		
ctor = Anter	nna Factor + Cab	le Loss – Pre-	amplifier.			· (c)

RESULT: PASS

Note:

Other emissions from 1G to 25 GHz are considered as ambient noise. No recording in the test report. Factor = Antenna Factor + Cable loss - Amplifier gain, Over=Measure-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

All test modes had been pre-tested. The 802.11b mode is the worst case and recorded in the report.



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Report No.: AGC01559190902FE05

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12. BAND EDGE EMISSION

12.1. MEASUREMENT PROCEDURE

Radiated restricted band edge measurements

The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting

12.2. TEST SET-UP

same as 11.2

Note:

- 1. Factor=Antenna Factor + Cable loss Amplifier gain. Field Strength=Factor + Reading level
- 2. The factor had been edited in the "Input Correction" of the Spectrum Analyzer. So the Amplitude of test plots is equal to Reading level plus the Factor in dB. Use the A dB(μ V) to represent the Amplitude. Use the F dB(μ V/m) to represent the Field Strength. So A=F.





12.3. TEST RESULT

EUT	Smart Water Kettle	Model Name	QKY-BOIL-SLV
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2412MHZ	Antenna	Horizontal

PK



ΑV



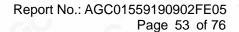
RESULT: PASS



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Service Hotline: 400 089 2118





EUT	Smart Water Kettle	Model Name	QKY-BOIL-SLV
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2412MHZ	Antenna	Vertical



ΑV

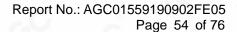


RESULT: PASS



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EUT	Smart Water Kettle	Model Name	QKY-BOIL-SLV
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2462MHZ	Antenna	Horizontal



ΑV

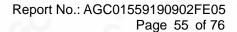


RESULT: PASS



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EUT	Smart Water Kettle	Model Name	QKY-BOIL-SLV
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2462MHZ	Antenna	Vertical



ΑV

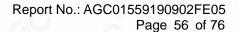


RESULT: PASS



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EUT	Smart Water Kettle	Model Name	QKY-BOIL-SLV
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2412MHZ	Antenna	Horizontal



ΑV



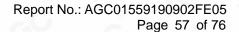
RESULT: PASS



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EUT	Smart Water Kettle	Model Name	QKY-BOIL-SLV
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2412MHZ	Antenna	Vertical



ΑV



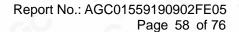
RESULT: PASS



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EUT	Smart Water Kettle	Model Name	QKY-BOIL-SLV
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2462MHZ	Antenna	Horizontal



ΑV



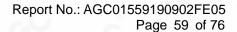
RESULT: PASS



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EUT	Smart Water Kettle	Model Name	QKY-BOIL-SLV
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage Normal Voltage	
Test Mode	802.11g with data rate 6 2462MHZ	Antenna	Vertical



ΑV

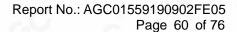


RESULT: PASS



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EUT	Smart Water Kettle	Model Name	QKY-BOIL-SLV
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage Normal Voltage	
Test Mode	802.11n 20 with data rate 6.5 2412MHZ	Antenna	Horizontal



ΑV



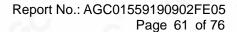
RESULT: PASS



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Service Hotline: 400 089 2118





EUT	Smart Water Kettle	Model Name	QKY-BOIL-SLV
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2412MHZ	Antenna	Vertical



ΑV

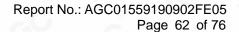


RESULT: PASS



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EUT	Smart Water Kettle	Model Name	QKY-BOIL-SLV
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2462MHZ	Antenna	Horizontal



ΑV

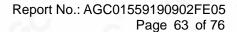


RESULT: PASS



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EUT	Smart Water Kettle	Model Name	QKY-BOIL-SLV
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage Normal Voltage	
Test Mode	802.11n 20 with data rate 6.5 2462MHZ	Antenna	Vertical



ΑV



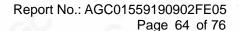
RESULT: PASS



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13. FCC LINE CONDUCTED EMISSION TEST

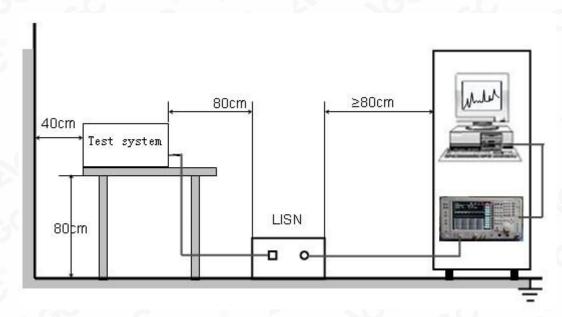
13.1. LIMITS OF LINE CONDUCTED EMISSION TEST

F	Maximum R	RF Line Voltage
Frequency	Q.P.(dBuV)	Average(dBuV)
150kHz-500kHz	66-56	56-46
500kHz-5MHz	56	46
5MHz-30MHz	60	50

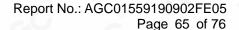
Note

- 1. The lower limit shall apply at the transition frequency.
- 2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50MHz.

13.2. BLOCK DIAGRAM OF TEST SETUP









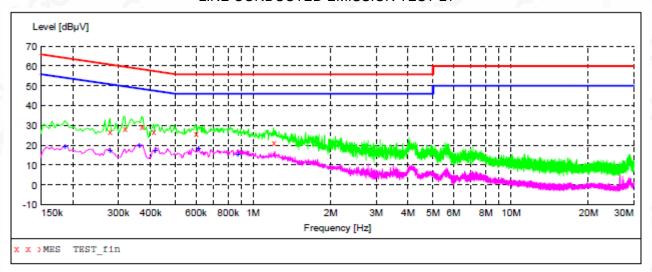
13.3. PROCEDURE OF LINE CONDUCTED EMISSION TEST

- (1) The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- (2) Support equipment, if needed, was placed as per ANSI C63.10.
- (3) All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
- (4) The EUT received DC 5V power from adapter which received AC120V/60Hz power by a LISN.
- (5) The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- (6) Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- (7) During the above scans, the emissions were maximized by cable manipulation.
- (8) A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions.
- (9) Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less –2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.



13.4. TEST RESULT OF LINE CONDUCTED EMISSION TEST

LINE CONDUCTED EMISSION TEST-L1



MEASUREMENT RESULT: "TEST fin"

9/10/2019	7:37PM						
Frequenc	cy Level	Transd	Limit	Margin	Detector	Line	PE
MI	Hz dBμV	dB	dBµV	dB			
0.2780	00 27.20	10.9	61	33.7	QP	L1	FLO
0.3180	00 28.60	10.8	60	31.2	QP	L1	FLO
0.3700	00 29.80	10.5	59	28.7	QP	L1	FLO
0.4100	00 27.20	10.4	58	30.4	QP	L1	FLO
0.5980	00 26.30	10.7	56	29.7	QP	L1	FLO
1.2020	00 21.40	11.5	56	34.6	QP	L1	FLO

MEASUREMENT RESULT: "TEST fin2"

9/10/2019 7: Frequency MHz	37PM Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.186000	19.30	10.9	54	34.9	AV	L1	FLO
0.278000	17.50	10.9	51	33.4	AV	L1	FLO
0.362000	20.00	10.5	49	28.7	AV	L1	FLO
0.418000	17.60	10.5	48	29.9	AV	L1	FLO
0.614000	18.50	10.7	46	27.5	AV	L1	FLO
0.870000	15.50	11.0	46	30.5	AV	L1	FLO

RESULT: PASS



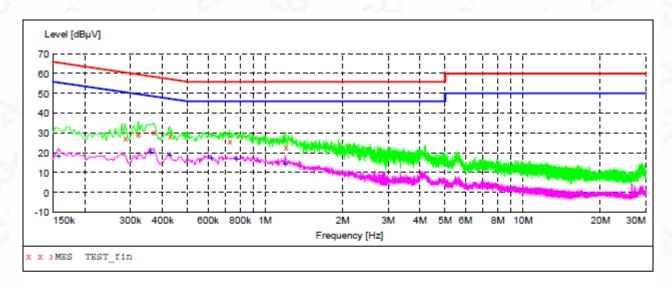
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LINE CONDUCTED EMISSION TEST-N



MEASUREMENT RESULT: "TEST fin"

9/10/2019 7: Frequency MHz	34PM Level dBμV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.286000 0.322000 0.370000 0.426000 0.726000 1.202000	27.60 29.80 30.80 28.40 26.30 23.00	10.9 10.8 10.5 10.6 10.5	61 60 59 57 56 56	33.0 29.9 27.7 28.9 29.7 33.0	QP QP QP QP QP QP	N N N N N	FLO FLO FLO FLO FLO

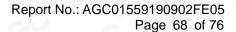
MEASUREMENT RESULT: "TEST fin2"

9/10/2019 7:34PM							
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dΒμV	dB	dBµV	dB			
0.158000	18.30	10.8	56	37.3	AV	N	FLO
0.358000	20.50	10.5	49	28.3	AV	N	FLO
0.426000	18.80	10.6	47	28.5	AV	N	FLO
0.618000	17.60	10.7	46	28.4	AV	N	FLO
0.774000	17.10	10.6	46	28.9	AV	N	FLO
1.202000	14.40	11.5	46	31.6	AV	N	FLO



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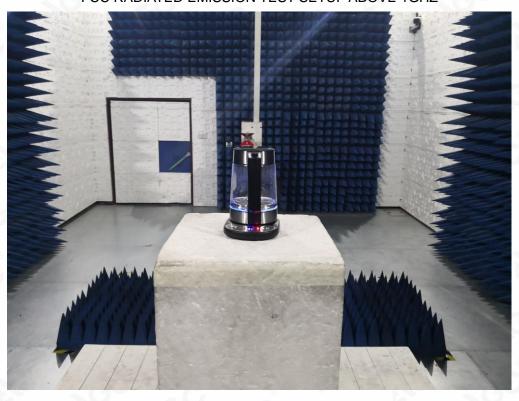


APPENDIX A: PHOTOGRAPHS OF TEST SETUP

FCC RADIATED EMISSION TEST SETUP BELOW 1GHZ



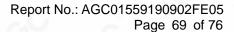
FCC RADIATED EMISSION TEST SETUP ABOVE 1GHZ





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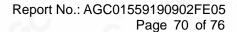
FCC CONDUCTED EMISSION TEST SETUP





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APPENDIX B: PHOTOGRAPHS OF EUT

ALL VIEW OF EUT

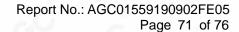






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Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,







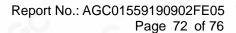
TOP VIEW OF EUT





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BOTTOM VIEW OF EUT



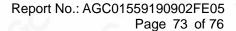
FRONT VIEW OF EUT





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Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,





BACK VIEW OF EUT



LEFT VIEW OF EUT





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RIGHT VIEW OF EUT



OPEN VIEW OF EUT-1



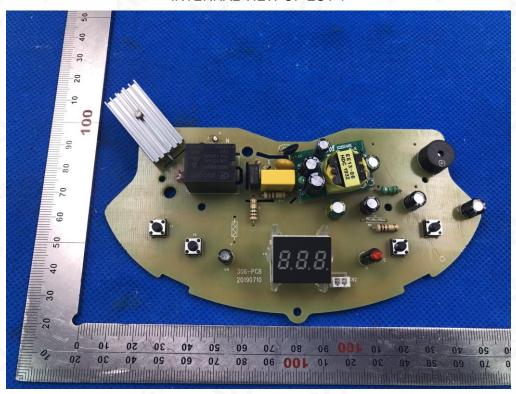


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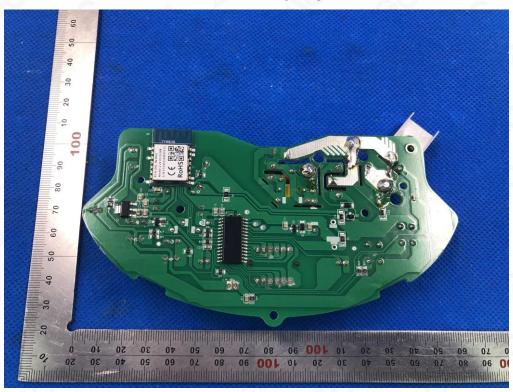
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,



INTERNAL VIEW OF EUT-1



INTERNAL VIEW OF EUT-2



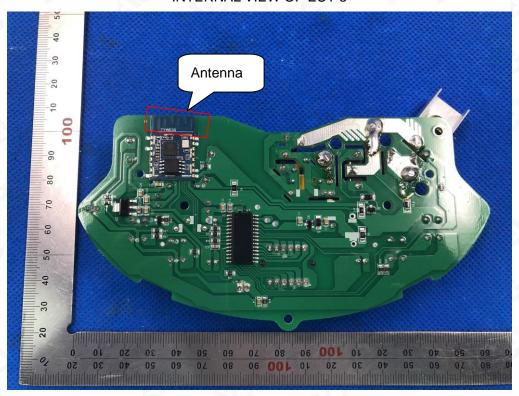


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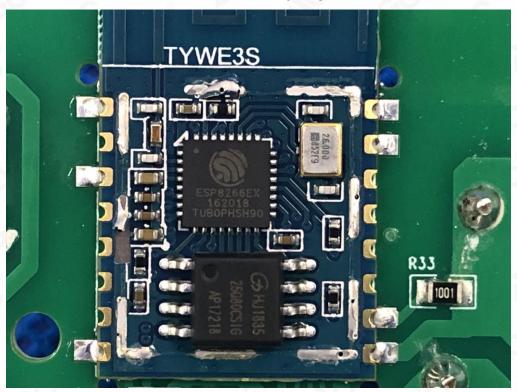
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INTERNAL VIEW OF EUT-3



INTERNAL VIEW OF EUT-4



----END OF REPORT----



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