TEST REPORT

Applicant Name :	Continental Conair Limited
Address :	35/F, Standard Chartered Tower, Millennium City 1 388 Kwun Tong Road, Kwun Tong Kowloon, Hong Kong
Report Number :	SZ2220422-15835E-EMA1
FCC ID:	U43ICT60

Test Standard (s)

FCC Part 18

Sample Description

Product Type:	Induction cooktop
Model No.:	ICT-60
Trade Mark:	Cuisinart
Date Received:	2022-04-25
Date of Test:	2022-05-09 to 2022-05-11
Report Date:	2022-05-13

Test Result:	Pass*

* In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

Amy Cao

EMC Engineer

Approved By:

Candy Li

EMC Engineer

Note: This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk "★".

Shenzhen Accurate Technology Co., Ltd. is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with an asterisk '*'. Customer model name, addresses, names, trademarks etc. are not considered data.

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product	Induction cooktop
Tested Model	ICT-60
Multiple Models	ICT-60C, ICT-60#####, ICT-60#####C
Model Difference*	Please refer to the DoS letter.
Voltage Range	AC 120V/60Hz
Highest operating frequency	28kHz
Sample serial number	SZ2220422-15835E-EMA1-S1 (Assigned by ATC)
Sample/EUT Status	Good condition

Objective

This report is in accordance with Part 2-Subpart J, and Part 18-Subparts A, B and C of the Federal Communication Commissions rules and regulations.

The objective of the manufacturer is to determine compliance with FCC Part 18 limits.

This is a CIIPC application of the device; the differences between the original device (Report No.: RSZ151231552-00, FCC ID: U43ICT60) and the current one are as follows:

1. Change the Control PCB.
2. Change the appearance

Based on above differences, it's will affect all the test of item, so all the items were performed, we will updated the test data and related EUT photos.

Test Methodology

All measurements contained in this report were conducted with MP-5, FCC Methods of Measurements of Radio Noise Emissions from ISM Equipment, February 1986. All measurements were performed at Shenzhen Accurate Technology Co., Ltd. The radiated testing was performed at an antenna-to-EUT distance of 3 meters. Each test item follows test standards and with no deviation.

Measurement Uncertainty

Parameter		Uncertainty
AC Power Lines Conducted Emissions		2.72dB
Emissions, Radiated	9KHz-0.15MHz	2.66dB
	0.15MHz-30MHz	4.28dB
Temperature		1℃
Humidity		6%
Supply voltages		0.4%

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the 1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No.: 708358, the FCC Designation No.: CN1189.

Accredited by American Association for Laboratory Accreditation (A2LA). The Certificate Number is 4297.01

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0016. The Registration Number is 5077A.

OPERATING CONDITION/TEST CONFIGURATION

Justification

The EUT was operated at maximum (continuous) RF output power.

EUT Exercise Software

No exercise software was used.

Special Accessories

No special accessory was used.

Equipment Modifications

No modifications were made to the EUT tested.

Support Equipment List and Details

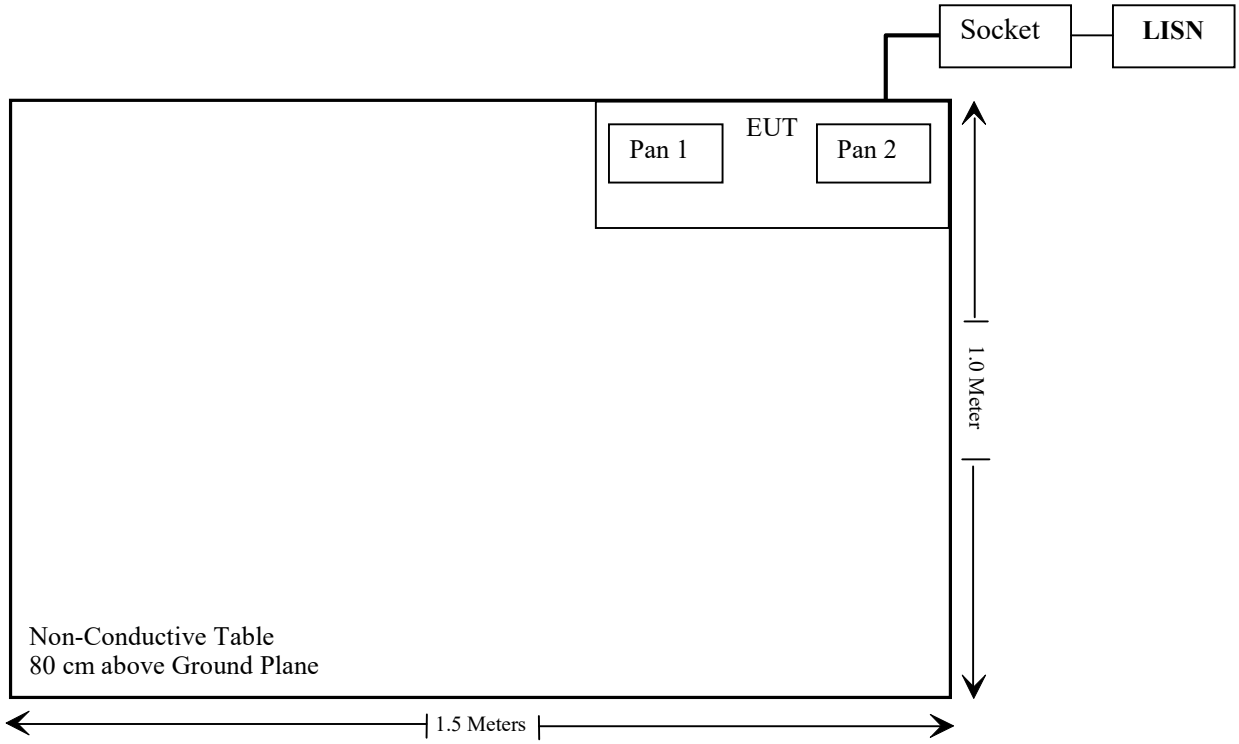
Manufacturer	Description	Model	Serial Number
Unknown	Pan 1	Unknown	Unknown
Unknown	Pan 2	Unknown	Unknown

External Cable List and Details

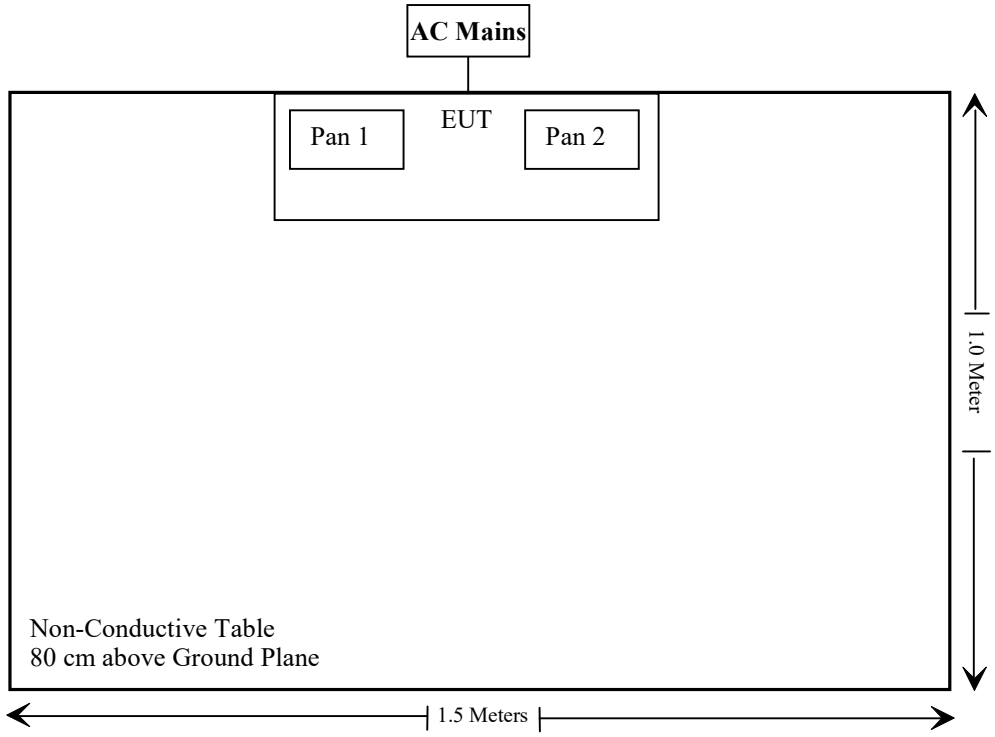
Cable Description	Length (m)	From/Port	To
Unshielded un-detachable AC cable	1.75	Socket	LISN
Unshielded un-detachable AC cable	1.0	Socket	EUT

Block Diagram of Test Setup

For Conducted Emissions:



For Radiated Emission:



SUMMARY OF TEST RESULT

FCC Rules	Description of Test	Results
FCC §18.305 & §18.309	Field Strength	Compliant
FCC §18.307	AC Line Conducted Emissions	Compliant

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted Emissions Test					
Rohde & Schwarz	EMI Test Receiver	ESCI	100784	2021/12/13	2022/12/12
R & S	L.I.S.N.	ENV216	101314	2021/12/13	2022/12/12
Anritsu Corp	50Ω Coaxial Switch	MP59B	6100237248	2021/12/13	2022/12/12
Unknown	RF Coaxial Cable	No.17	N0350	2021/12/14	2022/12/13
Conducted Emission Test Software: e3 19821b (V9)					
Radiated Emissions Test					
SCHWARZBECK	LOOP ANTENNA	FMZB1516	1516131	2021/12/22	2024/12/21
Rohde & Schwarz	Test Receiver	ESR	102725	2021/12/13	2022/12/12
SONOMA INSTRUMENT	Amplifier	310 N	186131	2021/11/09	2022/11/08
Unknown	RF Coaxial Cable	No.12	N040	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.13	N300	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.14	N800	2021/12/14	2022/12/13
Radiated Emission Test Software: e3 19821b(V9)					

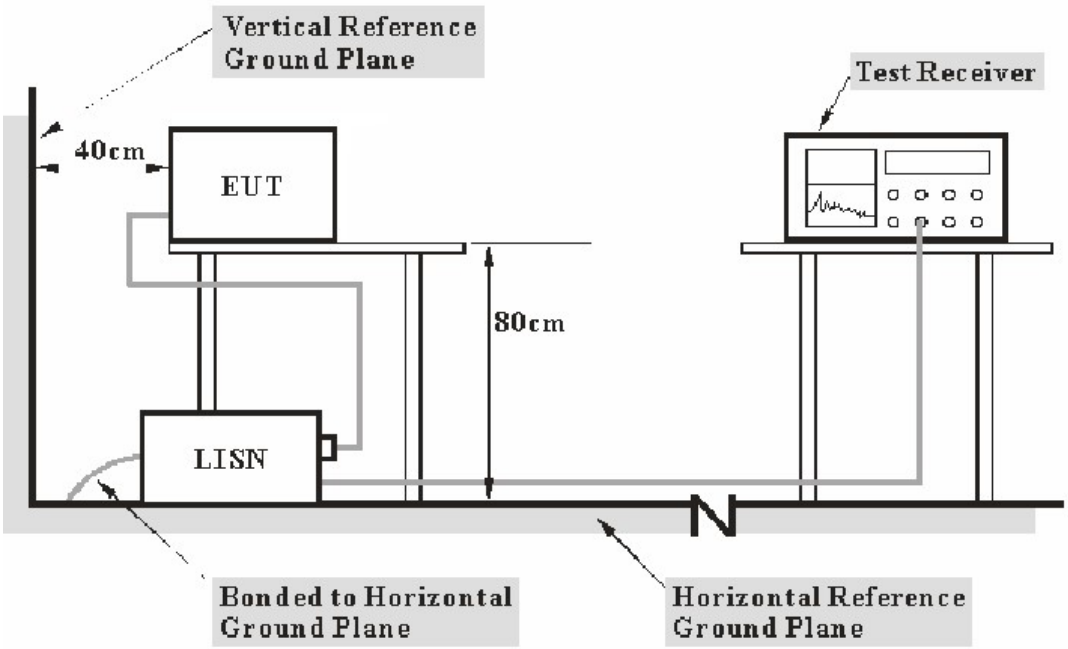
*** Statement of Traceability:** Shenzhen Accurate Technology Co., Ltd. attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

CONDUCTED EMISSIONS

Applicable Standard

FCC §18.307

EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with MP-5: 1986 measurement procedure. Specification used was with the FCC Part 18.

The socket was connected to a 120 VAC/ 60Hz power source.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

Test Procedure

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All final data was recorded in the Quasi-peak and average detection mode.

Factor & Margin Calculation

The factor is calculated by adding LISN VDF (Voltage Division Factor) and Cable Loss. The basic equation is as follows:

Factor = LISN VDF + Cable Loss

The "**Over limit**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over limit of -7 dB means the emission is 7 dB below the limit. The equation for calculation is as follows:

Over Limit = Level – Limit
Level = Read Level + Factor

Test Data

Environmental Conditions

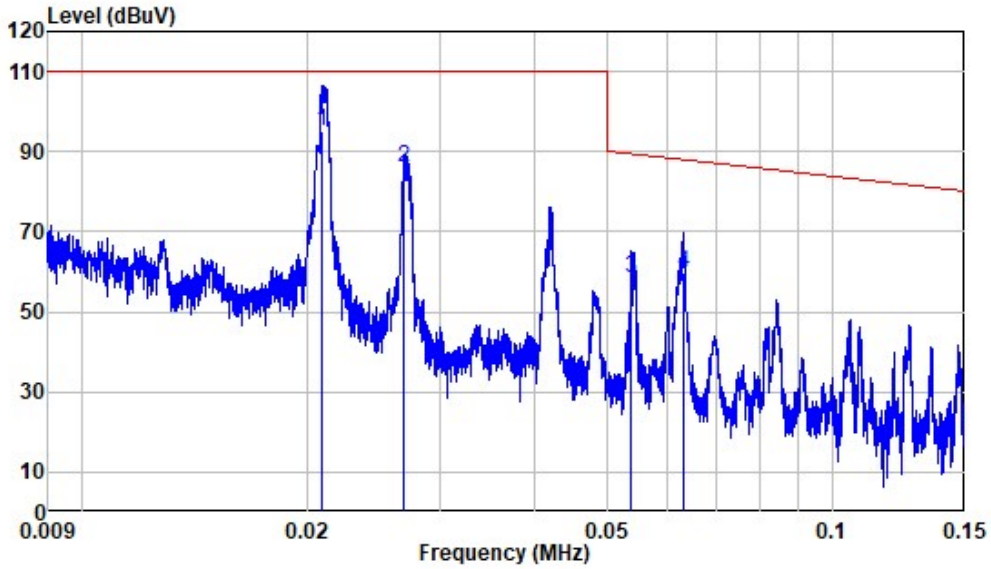
Temperature:	25 ℃
Relative Humidity:	44 %
ATM Pressure:	101.0 kPa

The testing was performed by Jason Liu on 2022-05-09.

Test mode: Heating up water

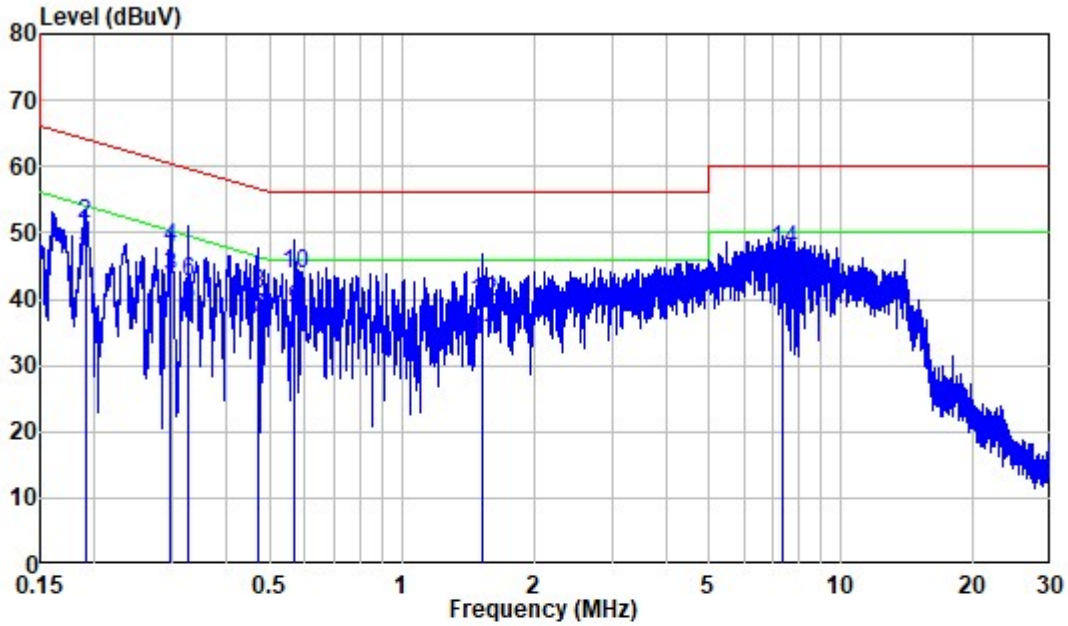
Job No.:	**SZ2220422-15835E-EMA1**	**Power:**	**AC 120V 60Hz**
Eut:	**Induction cooktop**	**Test By:**	***Jason Liu***
Model:	**ICT-60C**	**Test item:**	**Conduction Test**
Climatic:	**25° C 44%RH**	**Date:**	**2022.05.09**

AC 120V/60 Hz, Line



Site : Shielding Room
Condition: Line
Job No. : SZ2220422-15835E-EMA1
Mode : Heating up water
Power : AC 120V 60Hz

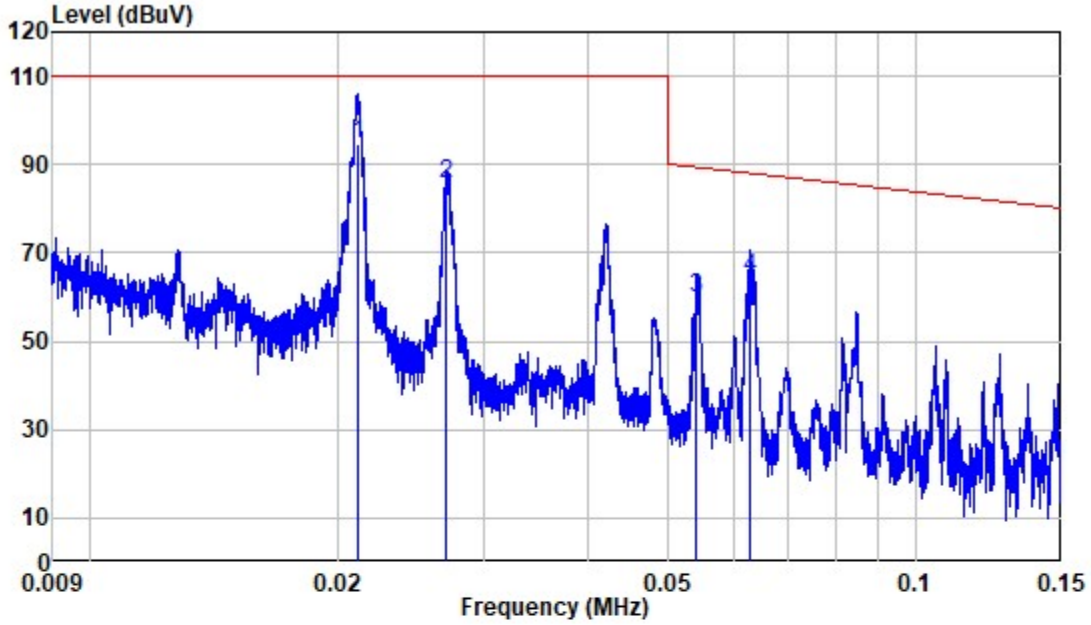
	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.021	10.03	85.03	95.06	110.00	-14.94	QP
2	0.027	9.94	75.97	85.91	110.00	-24.09	QP
3	0.054	9.80	48.83	58.63	89.31	-30.68	QP
4	0.063	9.80	49.77	59.57	87.86	-28.29	QP



Site : Shielding Room
Condition: Line
Job No. : SZ2220422-15835E-EMA1
Mode : Heating up water
Power : AC 120V 60Hz

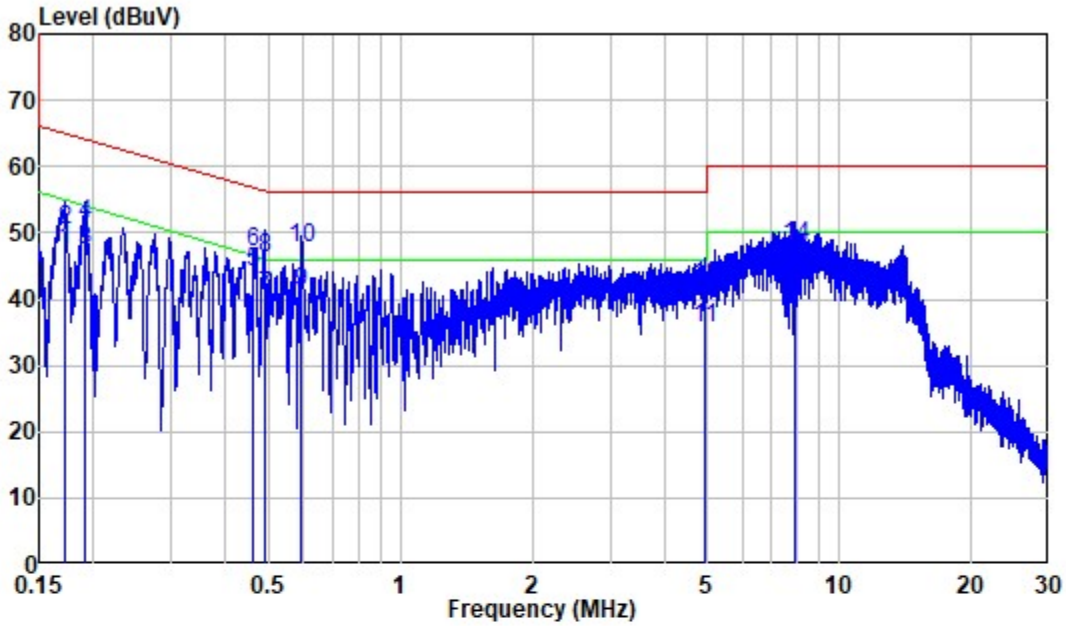
	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.190	9.80	36.49	46.29	54.04	-7.75	Average
2	0.190	9.80	41.60	51.40	64.04	-12.64	QP
3	0.297	9.80	33.62	43.42	50.33	-6.91	Average
4	0.297	9.80	37.83	47.63	60.33	-12.70	QP
5	0.326	9.80	29.01	38.81	49.54	-10.73	Average
6	0.326	9.80	32.81	42.61	59.54	-16.93	QP
7	0.471	9.80	27.48	37.28	46.49	-9.21	Average
8	0.471	9.80	30.89	40.69	56.49	-15.80	QP
9	0.570	9.81	28.49	38.30	46.00	-7.70	Average
10	0.570	9.81	33.99	43.80	56.00	-12.20	QP
11	1.520	9.82	23.87	33.69	46.00	-12.31	Average
12	1.520	9.82	29.72	39.54	56.00	-16.46	QP
13	7.329	9.87	33.36	43.23	50.00	-6.77	Average
14	7.329	9.87	37.54	47.41	60.00	-12.59	QP

AC 120V/60 Hz, Neutral



Site : Shielding Room
Condition: Neutral
Job No. : SZ2220422-15835E-EMA1
Mode : Heating up water
Power : AC 120V 60Hz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.021	9.96	84.77	94.73	110.00	-15.27	QP
2	0.027	9.85	75.84	85.69	110.00	-24.31	QP
3	0.054	9.80	49.93	59.73	89.28	-29.55	QP
4	0.063	9.80	54.55	64.35	87.93	-23.58	QP



Site : Shielding Room
Condition: Neutral
Job No. : SZ2220422-15835E-EMA1
Mode : Heating up water
Power : AC 120V 60Hz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.172	9.80	37.65	47.45	54.84	-7.39	Average
2	0.172	9.80	40.55	50.35	64.84	-14.49	QP
3	0.192	9.80	37.64	47.44	53.97	-6.53	Average
4	0.192	9.80	41.47	51.27	63.97	-12.70	QP
5	0.462	9.80	34.13	43.93	46.65	-2.72	Average
6	0.462	9.80	37.30	47.10	56.65	-9.55	QP
7	0.491	9.80	30.80	40.60	46.16	-5.56	Average
8	0.491	9.80	36.33	46.13	56.16	-10.03	QP
9	0.595	9.81	31.38	41.19	46.00	-4.81	Average
10	0.595	9.81	37.79	47.60	56.00	-8.40	QP
11	4.919	9.89	25.79	35.68	46.00	-10.32	Average
12	4.919	9.89	32.20	42.09	56.00	-13.91	QP
13	7.899	9.98	32.94	42.92	50.00	-7.08	Average
14	7.899	9.98	38.04	48.02	60.00	-11.98	QP

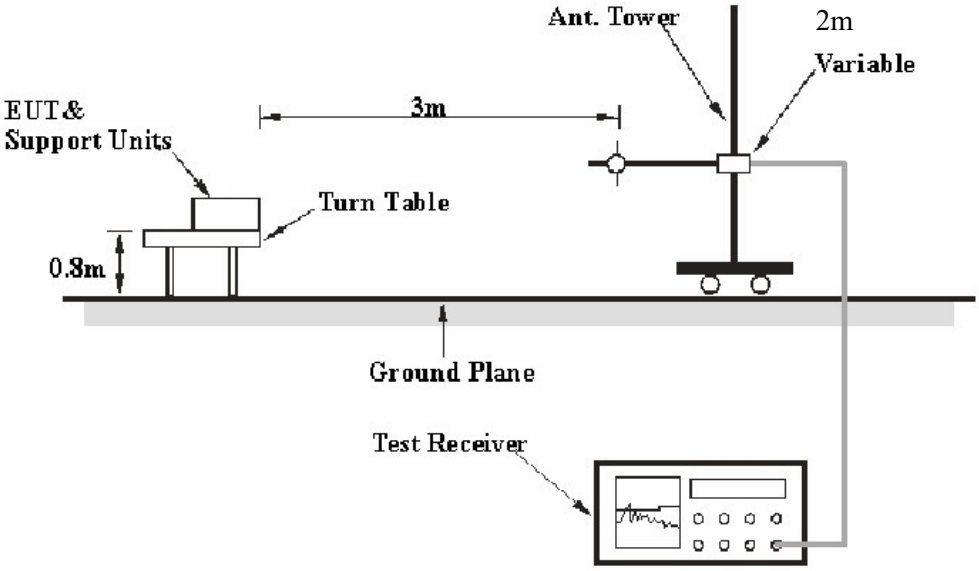
RADIATED EMISSIONS

Applicable Standard

FCC §18.305 and FCC §18.309

EUT Setup

Below 30MHz:



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the FCC MP-5. The specification used was the FCC part 18 limits.

The socket was connected to 120 VAC/60 Hz power source.

EMI Test Receiver Setup and Spectrum Analyzer Setup

The system was investigated from 9 kHz to 30 MHz.

During the radiated emission test, the EMI test receiver and Spectrum Analyzer were set with the following configurations:

Frequency Range	RBW	Video BW	IF B/W	Detector
9kHz -150kHz	200 Hz	1 kHz	200 Hz	QP
150kHz - 30MHz	9kHz	30kHz	9kHz	QP

Test Procedure

Maximizing procedure was performed on the six (6) highest emissions to ensure that the EUT complied with all installation combinations.

The data was recorded in the Quasi-peak detection mode from 150 kHz to 30 MHz.
The EUT was in the normal operating mode during the final qualification test to represent the worst results.

Corrected Amplitude & Margin Calculation

The Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain. The basic equation is as follows:

Factor = Antenna Factor + Cable Loss - Amplifier Gain

The "**Over Limit/Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit/margin of -7dB means the emission is 7dB below the limit. The equation for calculation is as follows:

Over Limit/Margin = Level / Corrected Amplitude – Limit
Level / Corrected Amplitude = Read Level + Factor

Test Data and Plots

Environmental Conditions

Temperature:	25 ℃
Relative Humidity:	52%
ATM Pressure:	101.0kPa

The testing was performed by Nick Fang on 2022-05-11.

Test mode: Heating up water

Job No.:	**SZ2220422-15835E-EMA1**	**Power:**	**AC 120V 60HZ**
Standard:	**FCC PART 18**	**Test By:**	**Nick Fang**
Test item:	**Radiated Emission**	**Temp.(℃)/Hum.(%RH):**	**25° C 52%RH**
Test Mode:	**Heating up water**	**EUT Name:**	**Induction cooktop**
Date:	**2022-05-11**	**Model:**	**ICT-60**

Frequency (MHz)	Reading Level (dBμV)	Detector (PK/QP/Ave.)	Direction (Degree)	Height (m)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
0.021	59.97	QP	186	2.0	-11.69	48.28	83.52	-35.24
0.027	62.47	QP	25	2.0	-11.65	50.82	83.52	-32.7
0.043	55.32	QP	325	2.0	-11.56	43.76	83.52	-39.76
0.215	37.44	QP	215	2.0	-11.97	25.47	83.52	-58.05
0.679	46.78	QP	107	2.0	-11.86	34.92	83.52	-48.6
4.43	52.19	QP	201	2.0	-11.69	40.5	83.52	-43.02

Note:
Corrected Amplitude = Corrected Factor + Reading
Corrected Factor=Antenna factor (RX) + cable loss – amplifier factor
Margin = Corrected Amplitude – Limit

******* END OF REPORT *******