



## RF Exposure Report

Applicant	: Cooler Master Technology Inc.
Address	: 8F., No. 788-1, Zhongzheng Rd., Zhonghe Dist., New Taipei City 23586, Taiwan
Equipment	: Gaming Satellite
Model No.	: GS750
Trademark	: Cooler Master
FCC ID	: 2AR8X-GS750

### I HEREBY CERTIFY THAT :

The sample was received on Oct. 16, 2018 and the test items were conducted during Nov. 15, 2018 at CerpPASS Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of CerpPASS Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Tested by:

Miro Chueh/ EMC/RF Manager

Amos Zhang / Engineer

### Laboratory Accreditation:



CerpPASS Technology Corporation Test Laboratory

TAF LAB Code:

1439



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## 1. Summary Of Standards And Results

### 1.1. Measuring Standard

The EUT have been tested according to the applicable standards as referenced below:

Test Item	Normative References	Remarks
RF Exposure	FCC CFR 47 part1, 1.1310 KDB680106 D01v03	PASS

### 1.2. Requirements

According to the item 5 of KDB 680106 D01v03:

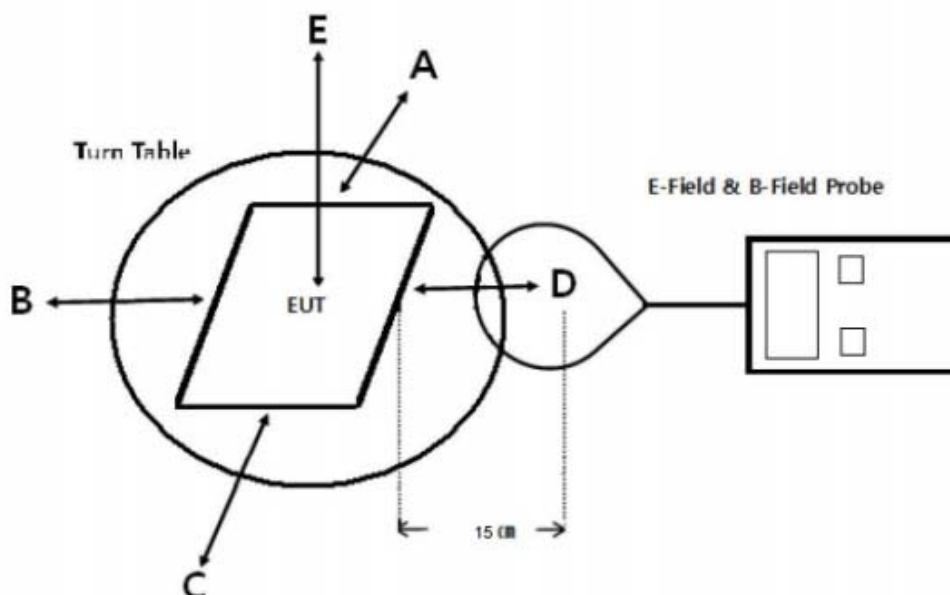
Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation.

- a) Power transfer frequency is less than 1 MHz
- b) Output power from each primary coil is less than or equal to 15 watts
- c) The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils
- d) Client device is inserted in or placed directly in contact with the transmitter
- e) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).
- f) The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit..

Remark: Meet all the above requirements.



### 1.3. Typical test Setup



### 1.4. Specification Limits

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b) Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric field strength (V/m)	Magnetic field Strength (A/m)	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	*900/f <sup>2</sup>	6
30-300	61.4	0.163	1.0	6
300-1,500			f/300	6
1,500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*100	30
1.34-30	824/f	2.19/f	*180/f <sup>2</sup>	30
30-300	27.5	0.073	0.2	30
300-1,500			f/1500	30
1,500-100,000			1.0	30

Note 1: f = frequency in MHz ; \*Plane-wave equivalent power density

Note 2: For the applicable limit, see FCC 1.1310



### 1.5. Test Equipment List and Details

Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
EMIF Tester	Narda	ELT-400	G-0041	2019/01/16	2020/01/15

### 1.6. Test Result

**Electric Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT**

Frequency Range (KHz)	Test Position	Test result(v/m)	Limit (v/m)
127.4~128	A: Front	0.412	614.00
127.4~128	B: Back	0.411	614.00
127.4~128	C: Left	0.423	614.00
127.4~128	D: Right	0.423	614.00
127.4~128	E: Top	0.436	614.00
127.4~128	F: Bottom	0.438	614.00

**Magnetic Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT**

Frequency Range (KHz)	Test Position	Test result(A/m)	Limit (A/m)
127.4~128	A: Front	0.432	1.63
127.4~128	B: Back	0.413	1.63
127.4~128	C: Left	0.421	1.63
127.4~128	D: Right	0.426	1.63
127.4~128	E: Top	0.414	1.63
127.4~128	F: Bottom	0.443	1.63



### 1.7. Photographs of test setup

