

FCC RF EXPOSURE REPORT

For

Giga Party Audio

MODEL NUMBER: MX-T40

FCC ID: A3LMXT40

REPORT NUMBER: 4789411785-5

ISSUE DATE: March 31, 2020

Prepared for

Samsung Electronics Co Ltd.

19 Chapin Rd., Building D Pine Brook New Jersey United States 07058

Prepared by

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone, Dongguan, People's Republic of China

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Samsung Electronics Co Ltd.

Address: 19 Chapin Rd., Building D Pine Brook New Jersey United States

07058

Manufacturer Information

Company Name: Samsung Electronics Co Ltd.

Address: 19 Chapin Rd., Building D Pine Brook New Jersey United States

07058

EUT Information

EUT Name: Giga Party Audio

Model: MX-T40

Series Model: MX-T40/**, MX-T40*** ("*" represents any alphanumeric

character or blank)

Model difference: The difference lies only model number and marketing purpose.

Brand Name: SAMSUNG
Sample Status: Normal
Sample ID: 2956256

Sample Received Date: March 06, 2020

Date of Tested: March 06, 2020– March 31, 2020

APPLICABLE STANDARDS

STANDARD

PASS

FCC 47CFR§2.1091

KDB-447498 D01 V06

Prepared By:

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Engineer Project Associate

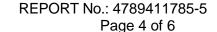
Approved By:

Shawn Wen

Laboratory Leader

Stephen Guo

Laboratory Manager





2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with KDB 447498 D01 General RF Exposure Guidance v06.

3. FACILITIES AND ACCREDITATION

J. I ACILITIES	AND ACCREDITATION
	A2LA (Certificate No.: 4102.01)
	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	has been assessed and proved to be in compliance with A2LA.
	FCC (FCC Designation No.: CN1187)
	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	Has been recognized to perform compliance testing on equipment subject
	to the Commission's Delcaration of Conformity (DoC) and Certification
	rules
Accreditation	ISED(Company No.: 21320)
Certificate	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
Continioato	has been registered and fully described in a report filed with
	Industry Canada. The Company Number is 21320.
	VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011)
	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	has been assessed and proved to be in compliance with VCCI, the
	Membership No. is 3793.
	Facility Name:
	Chamber D, the VCCI registration No. is G-20019 and R-20004
	Shielding Room B, the VCCI registration No. is C-20012 and T-20011

Note 1: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China

Note 2: The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3: For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30MHz had been correlated to measurements performed on an OFS.



4. REQUIREMENT

LIMIT

Limits for General Population/Uncontrolled Exposure

Limits for General Population/Uncontrolled Exposure								
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm²)	Averaging Time $ E ^2$, $ H ^2$ or S (minutes)				
0.3-1.34	614	1.63	(100)*	30				
1.34-30	824/f	2.19/f	(180/f2)*	30				
30-300	27.5	0.073	0.2	30				
300-1500			f/150	30				
1500-100,000			1.0	30				

Note 1: f = frequency in MHz, * means Plane-wave equivalent power density

Note 2: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

Note 3: The limit value 1.0mW/cm² is available for this EUT.

MPE CALCULATION METHOD

 $S = PG/(4\pi R^2)$

where: S = power density (in appropriate units, e.g. mW/ cm2)

P = power input to the antenna (in appropriate units, e.g., mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)



CALCULATED RESULTS

Radio Frequency Radiation Exposure Evaluation

l	BT 2.4G (Worst case)								
	Operating	Max. Tune up Power	Directional Gain		Power density	Limit			
	Mode	(dBm)	(dBi)	(num)	(mW/ cm ²)	Liiiii			
	8DPSK	12	4.55	2.85	0.009	1			

Note:

1. The calculated distance is 20cm.

END OF REPORT