

Maximum Permissible Exposure Report

FCC ID: ONYSMGQ248

Report No. : BTL-FCCP-2-2107T013
Equipment : Soundmask GQ
Model Name : SM-GQ-8, SM-GQ-4, SM-GQ-2
Brand Name : Soundmask
Applicant : ET&T Technology Co., Ltd.
Address : 6F, No.101, Song jiang Rd Taipei Taiwan

FCC Rule Part(s) : FCC Guidelines for Human Exposure IEEE C95.1

Date of Receipt : 2021/9/9
Date of Test : 2021/9/9~ 2021/11/24
Issued Date : 2022/1/4

The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

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REVISION HISTORY

Report No.	Version	Description	Issued Date
BTL-FCCP-2-2107T013	R00	Original Report.	2022/1/4

MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:

S = power density

P = power input to the antenna

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

Table for Filed Antenna

Antenna	Manufacture	Model name	Type	Connector	Frequency (MHz)	Gain (dBi)
1	f-time	V0104-5A1BBT3	Dipole	SMA Male	2400-2500	2.4

Maximum RF OUTPUT POWER

Mode	Maximum Output Power (dBm)
BLE 1 Mbps	14.38
BLE 2 Mbps	10.71

CALCULATED RESULTS

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4	1.7378	14.38	27.4157	0.00948	1	Complies

Note:

1. The calculated distance is 20 cm.

End of Test Report