Maximum Permissible Exposure Report

FCC ID: 2AXNJ-JSOM-XP

Report No.	:	BTL-FCCP-3-2007T004
Equipment	:	JSOM EXPLORE MODULE
Model Name	:	EXPLORE
Brand Name	:	JABIL
Applicant	:	JABIL
Address	:	10560 Dr M.L.K. Jr St N, St. Petersburg, Florida, United States
FCC Rule Part(s)	:	FCC Guidelines for Human Exposure IEEE C95.1
Date of Receipt	:	2020/7/3
Date of Test	:	2020/7/3 ~ 2020/8/31
Issued Date	:	2020/11/12

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

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	2020/11/12

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

Ant.	Brand	Test Model	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	PCB	N/A	2.83

TEST RESULTS

For BLE:

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm2)	Limit of Power Density (S) (mW/cm2)	Test Result
2.83	1.9187	5.91	3.8994	0.00148919	1	Complies

For 2.4G WLAN:

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm2)	Limit of Power Density (S) (mW/cm2)	Test Result
2.83	1.9187	25.93	391.7419	0.14960647	1	Complies

Note:

1. The calculated distance is 20 cm.

COLLOCATED POWER DENSITY CACULATIONS

So for BT, WIFI simultaneous transmission: 0.00144527/1+0.10542664/1=0.10687191<1

End of Test Report