



BUREAU
VERITAS

Test Report No.: FM200507N039

RF EXPOSURE REPORT

Applicant	DGL Group Ltd.
Address	195 Raritan Center Parkway, Edison, NJ 08837

Manufacturer or Supplier	DGL Group Ltd.
Address	195 Raritan Center Parkway, Edison, NJ 08837
Product	Bluetooth Module
Brand Name	N/A
Model	2AANZRCKR-Module
Additional Model & Model Difference	N/A
Date of tests	May 07, 2020 ~ May 25, 2020

FCC Part 2 (Section 2.1091)

KDB 447498 D01

IEEE C95.1

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Andy Zhu
Project Engineer / EMC Department

Approved by Glyn He
Assistant Manager / EMC Department

Date: May 29, 2020

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM200507N039	Original release	May 29, 2020

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1. CERTIFICATION

FCC ID:	2AANZRCKR
PRODUCT:	Bluetooth Module
BRAND NAME:	N/A
MODEL NO.:	2AANZRCKR-Module
ADDITIONAL NO.:	N/A
APPLICANT:	DGL Group Ltd.
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1



2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm ²)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	F/1500	30
1500-100,000	1.0	30

F = Frequency in MHz

3. MPE CALCULATION FORMULA

$$Pd = (Pout * G) / (4 * pi * r^2)$$

where

Pd = power density in mW/cm²

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.



5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	-1	PCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED AV POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
GFSK	2402-2480	-1.5	+/-1.5	-3	0
8DPSK	2402-2480	-1.5	+/-1.5	-3	0
BT-LE	2402-2480	-13.5	+/-1.5	-15	-12

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2441	-1.01
8DPSK	2480	-1.52
BT-LE	2440	-13.14

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2402-2480	0	-1	20	1.58e ⁻⁴	1.0

--- END ---