

RF EXPOSURE REPORT

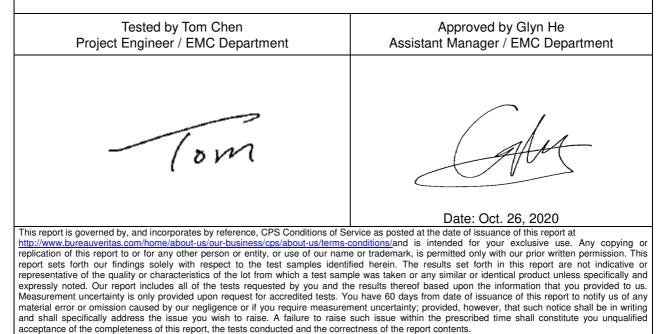
Applicant	Innovative Technology Electronics, LLC
Address	1 Channel Drive, Port Washington, NY 11050, USA

Manufacturer or Supplier	Guangdong Leetac Electronics Technology Co .,Ltd.		
Address	No.15 Danli Road, South District, Zhongshan, Guangdong, China.		
Product	Bluetooth Module		
Brand Name	N/A		
Model	F-6988		
Additional Model & Model Difference	N/A		
Date of tests	Aug. 11, 2020 ~ Aug. 18, 2020		
FCC Part 2 (Sect	FCC Part 2 (Section 2.1091)		

KDB 447498 D01

🛛 IEEE C95.1

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



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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2008WDG0026	Original release	Oct. 26, 2020

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1. CERTIFICATION

FCC ID:	2AFHW-F6988	
PRODUCT:	Bluetooth Module	
BRAND NAME:	N/A	
MODEL NO.:	F-6988	
ADDITIONAL NO.:	N/A	
APPLICANT:	Innovative Technology Electronics, LLC	
STANDARDS:	FCC Part 2 (Section 2.1091)	
	KDB 447498 D01	
	IEEE C95.1	

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2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)					
LIMI	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

 $Pd = power density in mW/cm^2$

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**.

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5. ANTENNA GAIN

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

Transmitter Circuit	Peak Gain (dBi)	Antenna Type	
Chain 0	0	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	2	+-2	0	4
8DPSK	2402-2480	2	+-2	0	4

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)	
GFSK	2441	2.12	
8DPSK	2441	2.15	

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm²)
2402-2480	4	0	20	4.9972e-4	1.0

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