

RF EXPOSURE REPORT

Applicant	Fieldpiece Instruments, Inc.
Address	1636 W. Collins Ave. Orange, CA 92867, USA

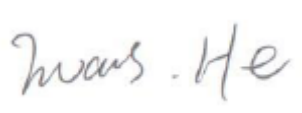
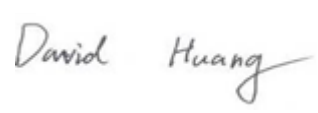
Manufacturer or Supplier	ePlus Innovation Corp.
Address	2F., No.19, Ancheng St., Xindian Dist., New Taipei City 23154, Taiwan (R.O.C)
Product	Premium Large Pipe Clamp Probe
Brand Name	Fieldpiece
Model	JL3LC
Additional Model & Model Difference	N/A
Date of tests	Jun. 24, 2020 ~ Aug. 03, 2020

☒ 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 Evans He Project Engineer / EMC Department	Approved by David Huang Assistant Manager / EMC Department
	
	Date: Aug. 04, 2020

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Test Report No.: FM200623S006

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM200623S006	Original release	Aug. 04, 2020

1. CERTIFICATION

FCC ID:	2ALHRJL3LC
PRODUCT:	Premium Large Pipe Clamp Probe
BRAND NAME:	Fieldpiece
MODEL NO.:	JL3LC
ADDITIONAL NO.:	N/A
APPLICANT:	Fieldpiece Instruments, Inc.
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

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

Where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 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	3.35	FPC Dipole Antenna with IPEX connector

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)
BT-LE	2402-2480	5	±1.5	3.5	6.5

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
BT-LE	2440	5.52

FREQUENCY BAND (MHz)	UPPER TOLERANCE (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2402-2480	6.5	3.35	20	0.001922	1.0

--- END ---