

## RF Exposure Evaluation Report

**Equipment under Test** : Transceiver  
**Model No.** : PREBT  
**FCC ID** : ELVATRYA  
**Applicant** : Nutek Corporation  
**Address** : No.167, Lane 235, Bauchiau Rd., Xindian  
District, New Taipei City, Taiwan  
**Date of Receipt** : July 1, 2024  
**Date of Report** : July 18, 2024



Prepared by  
**Central Research Technology Co.**  
11, Lane 41, Fushuen St., Jungshan Chiu, Taipei 104, Taiwan



**PREPARED BY** : Cathy Chen , **DATE** : July 18, 2024  
(Cathy Chen/ Technical Manager)  
**APPROVED BY** : Sam Chien , **DATE** : July 18, 2024  
(Sam Chien /Authorized Signatory)

**This report shall not be reproduced, except in full, without written approval of Central Research Technology Co.. It may be duplicated completely in its entirety for legal use with the permission of the applicant. The test result in this report is based on the information provided by manufacturer and applies only to the sample tested.**

## 1 Requirement for Compliance

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

Formula:

$$S = \frac{P_T G}{4\pi d^2}$$

S=Power Density(mW/cm<sup>2</sup>)

P= power input to antenna(mW)

G=Antenna Gain

d= Distance(cm)

Frequency Range (MHz)	Maximum Power Including Tune-up tolerance (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
2412~2462	-3.1	-4.09	20	0.00004	1

## 2 Result

According to result, the device meet FCC MPE at 20cm distance.