

## 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  
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(Sam Chien /Authorized Signatory)

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## 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)
<b>LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE</b>				
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.