

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
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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 ²)	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/cm²)

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 ²)	Limit (mW/cm ²)
2412~2462	-3.1	-4.09	20	0.00004	1

2 Result

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