

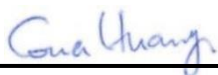
RF EXPOSURE EVALUATION REPORT

FCC ID : 2BNGI-ANS86
Equipment : Tusk Frequence Dash Hub
Brand Name : Tusk
Model Name : 2138500001
Applicant : Rocky Mountain ATV/MC
1551 American Way, Payson, UT 84651
Manufacturer : Rocky Mountain ATV/MC
1551 American Way, Payson, UT 84651
Standard : 47 CFR Part 2.1091

We, SPORTON INTERNATIONAL INC has been evaluated this product in accordance with 47 CFR Part2.1091 and it complies with applicable limit.

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 3786) and the FCC designation No. TW3786 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC evaluation.

The results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Laboratory, the test report shall not be reproduced except in full.



Approved by: Cona Huang / Deputy Manager



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History of this test report

Report No.	Version	Description	Issued Date
FA241204002-01	Rev. 01	Initial issue of report	Mar. 31, 2025

**1. Description of Equipment Under Test (EUT)**

Product Feature & Specification	
EUT Type	Tusk Frequence Dash Hub
Brand Name	Tusk
Model Name	2138500001
FCC ID	2BNGI-ANS86
Wireless Technology and Frequency Range	Bluetooth: 2400 MHz ~ 2483.5 MHz
Mode	Bluetooth BR/EDR/LE

Reviewed by: Jason Wang**Report Producer: Daisy Peng****2. Maximum RF average output power among production units**

	Mode	Channel	Frequency (MHz)	Tune-Up Limit
Bluetooth	BR / EDR 1Mbps	0	2402	9.50
		39	2441	10.50
		78	2480	10.50
	BR / EDR 2Mbps	0	2402	9.50
		39	2441	10.50
		78	2480	10.50
	LE 1Mbps	0	2402	21.50
		19	2440	22.00
		39	2480	21.50
	LE 2Mbps	0	2402	21.50
		19	2440	22.00
		39	2480	21.50



3. RF Exposure Limit Introduction

According to ANSI/IEEE C95.1-1992, the criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

The MPE was calculated at 20 cm to show compliance with the power density limit.

The following formula was used to calculate the Power Density:

$$S = \frac{PG}{4\pi R^2}$$

Where:

S = Power Density

P = Output Power at Antenna Terminals

G = Gain of Transmit Antenna (linear gain)

R = Distance from Transmitting Antenna

4. Radio Frequency Radiation Exposure Evaluation

Band	Antenna Gain (dBi)	Maximum Power (dBm)	Maximum EIRP (dBm)	Maximum PG (mW)	Power Density at 20cm (mW/cm ²)	Limit (mW/cm ²)
Bluetooth	1.18	22.00	23.18	207.97	0.041	1.000

Conclusion:

According to 47 CFR §2.1091, the RF exposure analysis concludes that the RF Exposure is FCC compliant.