

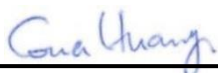
RF Exposure Evaluation Report

FCC ID : 2A9LG-P5
Equipment : Cow Collar
Brand Name : Halter
Model Name : P5
Applicant : Halter USA Inc.
2101 Pearl St, Boulder, CO 80302, USA
Standard : 47 CFR Part 2.1093

We, SPORTON INTERNATIONAL INC has been evaluated this product in accordance with 47 CFR Part 2.1093 and it complies with applicable limit.

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190) and the FCC designation No. TW1190 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



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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA521432	Rev. 01	Initial issue of report	Apr. 07, 2025

1. General Information

1.1 Description of Device Under Test (DUT)

Product Feature & Specification	
Equipment Name	Cow Collar
Brand Name	Halter
Model Name	P5
FCC ID	2A9LG-P5
Wireless Technology and Frequency Range	LoRa: 902 MHz ~ 928 MHz Bluetooth: 2402 MHz ~ 2480 MHz
Mode	LoRa: FSK, GFSK, CSS Bluetooth LE: GFSK
HW Version	V1.0
SW Version	V1.0.1

2. Maximum RF output power among production units

Burst Average Power (dBm)		
LoRa	LoRa (125kHz)	29.35
	LoRa (500kHz)	29.96
	FSK-HS	24.00
BLE	1Mbps	0.06

3. RF Exposure Evaluation

Wireless Tech.	Burst Average Power (dBm)	Duty Cycle	Source-Based Time Average Power(dBm)	mW	Separation Distance (mm)	Frequency (GHz)	Calculated Threshold	Limit of Threshold
LoRa	29.96	1.20%	10.75	11.89	5	0.902	2.26	3
BLE	0.06	100.00%	0.06	1.01	5	2.48	0.32	3

General Note:

- The actual transmission period of Lora is only 1.2%, and using in SAR exclusion calculation formula.
- Per KDB 447498 D01v06 the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$
for 1-g SAR and ≤ 7.5 for 10-g extremity SAR
 - f(GHz) is the RF channel transmit frequency in GHz
 - Power and distance are rounded to the nearest mW and mm before calculation
 - The result is rounded to one decimal place for comparison

Conclusion: Per KDB 447498 D01v06, the LoRa and BLE SAR test exclusion is compliant