



RF EXPOSURE EVALUATION

FCC ID:KE3-3003570

Report Number..... : ZKT-260811L0685E-2

Date of Test..... June 17, 2026 ~ Aug. 23, 2026

Date of issue..... : Aug. 23, 2026

Total number of pages..... 10

Test Result : PASS

Testing Laboratory..... : Shenzhen ZKT Technology Co., Ltd.

Address : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue,
Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name : Radio Systems Corp

Address : 10427 PetSafe Way, Knoxville, TN 37932,USA

Manufacturer's name : Radio Systems Corp

Address : 10427 PetSafe Way, Knoxville, TN 37932,USA

Test specification:

Standard..... : FCC CFR Title 47 Part 15 Subpart C Section 15.C

Test procedure..... : /

Non-standard test method : N/A

Test Report Form No..... : TRF-EL-111_V0

Test Report Form(s) Originator..... : ZKT Testing

Master TRF : Dated: 2020-01-06

This device described above has been tested by ZKT, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Product name..... : PetSafe Classic Wireless Dog Fence

Trademark : PetSafe

Model/Type reference..... : RFA-681
300-3570, PIF00-18359, ZIF00-18403

Ratings..... : Input:19V=1.26A



Testing procedure and testing location:

Testing Laboratory.....: **Shenzhen ZKT Technology Co., Ltd.**

Address.....: 1/F, No. 101, Building B, No. 6, Tangwei Community
Industrial Avenue, Fuhai Street, Bao'an District,
Shenzhen, China

Tested by (name + signature).....: Jim Liu

Jim Liu

Reviewer (name + signature).....: Jackson Fang

Jackson Fang

Approved (name + signature).....: Lake Xie





TABLE OF CONTENTS

1. VERSION	4
2. TEST FACILITY	5
3 GENERAL DESCRIPTION OF EUT	6



1. VERSION

Report No.	Version	Description	Approved
ZKT-260811L0685E-2	Rev.01	Initial issue of report	Aug. 23, 2026



2. TEST FACILITY

Shenzhen ZKT Technology Co., Ltd.

Add. : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

FCC Test Firm Registration Number: 927491

Designation Number: CN1431

IC Registered No.: 27033

CAB identifier: CN0110



3 GENERAL DESCRIPTION OF EUT

Product Name:	PetSafe Classic Wireless Dog Fence
Trademark:	PetSafe
Model No.:	RFA-681
Serial No.:	300-3570, PIF00-18359, ZIF00-18403
Model Difference:	Only the name of the product is different.
Hardware Version:	100-1458#005
Software Version:	820-606 v2
Sample Number:	ZKT-260811L0685
Operation Frequency:	18.72KHz
Modulation Type:	Phase
Antenna Type:	203mm diameter air coil
Antenna Gain:	0dBi
Ratings:	Input:19V=1.26A



EUT mode of operation before folding:

Test Modes:	Description:
Mode1	TX Mode

Measuring Standard

1.1 According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines. According to §1.1310 and §2.1091 RF exposure is calculated. According KDB 680106 D01 Wireless Power Transfer v04.

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainly
1	H-filed	$\pm 0.93\text{dB}$
2	E-filed	$\pm 0.51\text{dB}$

2.1 Requirements

§1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in §1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of FCC part2.1093 of this chapter.



Limits

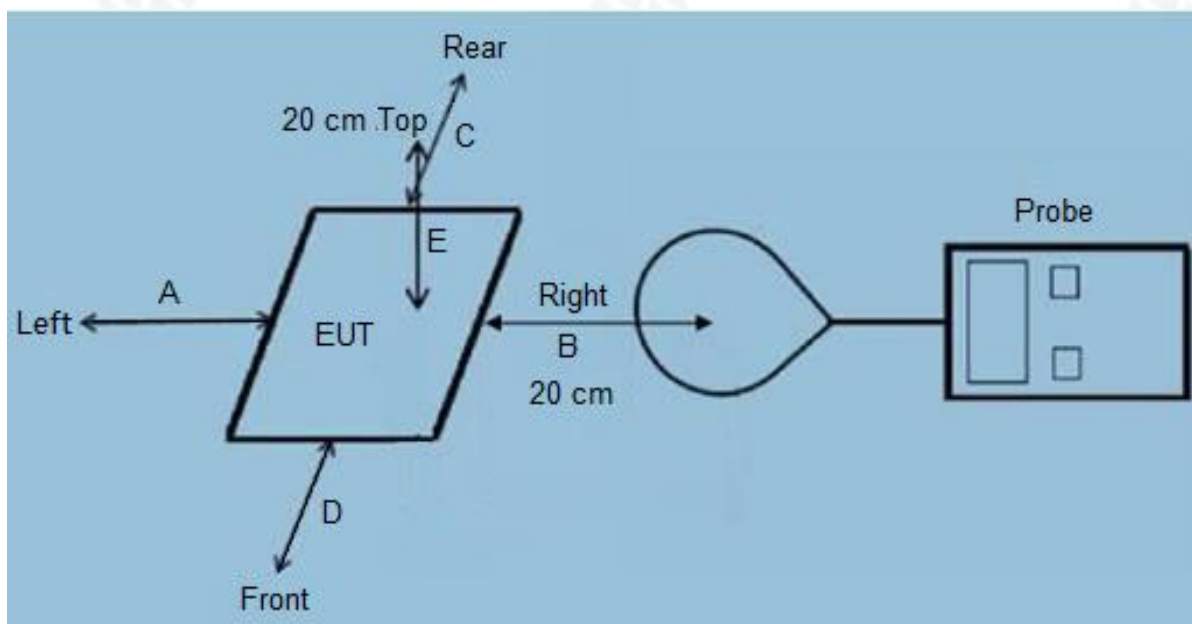
The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

Limits for Maximum Permissible Exposure (MPE):

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

F=frequency in MHz
*=Plane-wave equivalent power density
RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

2.3 Test Setup





3 Test Procedure

- 1) The RF exposure test was performed on 360 degree turn table in anechoic chamber.
- 2) The measurement probe was placed at test distance (20 cm and above from all sides and Top) which is between the edge of the charger and the geometric centre of probe.
- 3) The turn table was rotated 360 degree to search of highest strength.
- 4) The highest emission level was recorded and compared with limit as soon as measurement of each points were completed.
- 5) The EUT were measured according to the dictates of KDB 680106 D01 V04.

4.1 Test Instruments list

Test Equipment	Manufacturer	Model No.	SN.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
Exposure Level Tester	Narda	ELT-400	180ZX10220	Sep. 29, 2025	Sep. 28, 2026
Magnetic field probe 100cm ²	Narda	ELT probe 100cm ²	M0675	Sep. 29, 2025	Sep. 28, 2026

4.2 Test*auxiliary equipment.list*

Item	Equipment	Mfr/Brand	Model/Type No.	Note
E-1	Adapter	N/A	NF19V-1.26C-DC	N/A

Item	Shielded Type	Ferrite Core	Length	Note
N/A	N/A	N/A	N/A	N/A



5 Test Result

Maximum Permissible Exposure			
Separation	Probe from EUT Side	E-field (V/m)	H-field (A/m)
20cm	Front	0.449	0.119
20cm	Rear	0.424	0.119
20cm	Left	0.423	0.114
20cm	Right	0.443	0.132
20cm	Top	0.462	0.13
Limit		83	90
Margin Limit (%)		0.56%	0.15%

***** END OF REPORT *****