MPE Evaluation Report

Applicant	Deer Management Systems LLC
FCC ID	2BBNQ-RVX4CD
Product	Trail Camera
Bran	Reveal
Model	Reveal X 4.0 / RVX4CD
Report No.	EFTA26060308-IE-03-M1V1
Issue Date	August 17, 2026

Eurofins TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC 47 CFR Part 1 §1.1310, §2.1091.** The test results show that the equipment tested can demonstrate compliance with the requirements as documented in this report.

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Version	Revision Description	Issue Date
Rev.0	Initial issue of report.	August 17, 2026
Rev.1	Updated data. Updated information.	August 17, 2026
Note: This revised report (Report No.: EFTA26060308-IE-03-M1V1) supersedes and replaces the previously issued report (Report No.: EFTA26060308-IE-03-M1). Please discard or destroy the previously issued report and dispose of it accordingly.		

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1 Test Laboratory

1.1 Notes of the Test Report

This report shall not be reproduced except in full, without the written approval of **Eurofins TA Technology (Shanghai) Co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2 Test Facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

1.3 Testing Location

Company:	Eurofins TA Technology (Shanghai) Co., Ltd.
Address:	Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China
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2 Description of Equipment Under Test

Client Information

Applicant	Deer Management Systems LLC
Applicant address	1668 Jordan West Road Decorah, IA 52101, USA
Manufacturer	Deer Management Systems LLC
Manufacturer address	1668 Jordan West Road Decorah, IA 52101, USA

General Technologies

EUT Description			
Model	Reveal X 4.0 / RVX4CD		
SN	PGD2604260009002		
Hardware Version	1.0		
Software Version	3.0.9.15		
Frequency	Band	TX (MHz)	RX (MHz)
	LTE Band 2	1850 ~ 1910	1930 ~ 1990
	LTE Band 4	1710 ~ 1755	2110 ~ 2155
	LTE Band 5	824 ~ 849	869 ~ 894
	LTE Band 12	699 ~ 716	729 ~ 746
	LTE Band 13	777 ~ 787	746 ~ 756
	LTE Band 14	788 ~ 798	758 ~ 768
	LTE Band 25	1850 ~ 1915	1930 ~ 1995
	LTE Band 66	1710 ~ 1780	2110 ~ 2180
	Wi-Fi 2.4G	2412 ~ 2462	2412 ~ 2462
	Bluetooth LE	2402 ~ 2480	2402 ~ 2480
Date of Testing	June 29, 2026 ~ July 16, 2026		
Date of Sample Received	June 25, 2026		
Note: 1. The EUT is sent from the applicant to Eurofins TA and the information of the EUT is declared by the applicant. 2. All indications of Pass/Fail in this report are opinions expressed by Eurofins TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.			

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3 Maximum Tune up and Antenna Gain

The numeric gain (G) of the antenna with a gain specified in dB is determined by
Numeric gain (G)=10^(antenna gain/10)

Band	Maximum Tune up Tolerance		Antenna Gain (dBi)	Numeric Gain
	(dBm)	(mW)		
LTE Band 2	24.00	251.19	4.28	2.68
LTE Band 4	24.00	251.19	3.78	2.39
LTE Band 5	24.00	251.19	0.76	1.19
LTE Band 12	24.00	251.19	0.20	1.05
LTE Band 13	24.00	251.19	0.20	1.05
LTE Band 14	24.00	251.19	0.20	1.05
LTE Band 25	24.00	251.19	4.28	2.68
LTE Band 66	24.00	251.19	3.78	2.39
Wi-Fi 2.4G	15.00	31.62	2.35	1.72
Bluetooth LE	6.00	3.98	2.15	1.64

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4 MPE Limit

According to section 1.1310 of FCC 47 CFR Part 1, limits for maximum permissible exposure (MPE) are as following.

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(i) Limits for Occupational/Controlled Exposure				
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
300-1,500			f/300	<6
1,500-100,000			5	<6
(ii) 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
300-1,500			f/1500	<30
1,500-100,000			1.0	<30

*f = frequency in MHz. * = Plane-wave equivalent power density.*

Note1. Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational / controlled limits apply provided he or she is made aware of the potential for exposure.

Note2: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or can not exercise control over their exposure.

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The maximum permissible exposure for 300~1500 MHz is f/1500, for 1500~100,000MHz is 1.0, So

Band	The Maximum Permissible Exposure (mW/cm^2)
LTE Band 2	1.000
LTE Band 4	1.000
LTE Band 5	0.549
LTE Band 12	0.466
LTE Band 13	0.518
LTE Band 14	0.525
LTE Band 25	1.000
LTE Band 66	1.000
Wi-Fi 2.4GHz	1.000
Bluetooth LE	1.000

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5 RF Exposure Evaluation Result

RF exposure evaluation method is based on KDB 447498 D01，this calculation is based on the conducted power, maximum power and antenna gain with provides the minimum separation distance. The formula shown below is from OET Bulletin 65 Edition 97-01 Per KDB 447498 D01:

$$S= PG / 4\pi R^2$$

Where: S = power density (in appropriate units, e.g. mW/cm^2)
P = Time-average maximum tune up procedure (in appropriate units, e.g., mW)
G = the numeric gain of the antenna
R = distance to the center of radiation of the antenna (20 cm = limit for MPE)

Band	Maximum Tune up (dBm)	Antenna Gain (dBi)	Maximum EIRP (dBm)	PG (mW)	Result (mW/cm^2)	Limit Value (mW/cm^2)	The MPE Ratio
LTE Band 2	24.000	4.280	28.280	672.977	0.134	1.000	0.134
LTE Band 4	24.000	3.780	27.780	599.791	0.119	1.000	0.119
LTE Band 5	24.000	0.760	24.760	299.226	0.060	0.549	0.108
LTE Band 12	24.000	0.200	24.200	263.027	0.052	0.466	0.112
LTE Band 13	24.000	0.200	24.200	263.027	0.052	0.518	0.101
LTE Band 14	24.000	0.200	24.200	263.027	0.052	0.525	0.100
LTE Band 25	24.000	4.280	28.280	672.977	0.134	1.000	0.134
LTE Band 66	24.000	3.780	27.780	599.791	0.119	1.000	0.119
Wi-Fi 2.4GHz	15.000	2.350	17.350	54.325	0.011	1.000	0.011
Bluetooth LE	6.000	2.150	8.150	6.531	0.001	1.000	0.001

Note: **R** = 20cm
π= 3.1416
The MPE Ratio = Mac Result÷Limit Value

This device does not support transmit simultaneously.
So, the limit is kept.

Note: For this device, minimum separation distance is 20cm, even if calculations indicate MPE distance is less.

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ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

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

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