

Date: 2025/3/5

Federal Communications Commission

Authorization and Evaluation Division

7435 Oakland Mills Road

Columbia, MD 21046

Attn: OET Dept.

Ref: FCC new Grants for FCC ID: 2BBNQ-RVU3

Applicant: Deer Management System LLC

Dear Examiner,

This device contains a certified module which is FCC ID: XMR201909EG91NAX, Grant date: 2019/11/29

The major change filed under this module under host is:


1. Antenna change

Different	module	Host
Model	EG91-NAX	X Ultra 3.0
Band	WCDMA BandII,BandIV,BandV LTE Band2,4,5,12,13,25,26	LTE Band 2, 4, 5, 12, 13,25, 26 2.4G BT/Wi-fi
Product name	LTE Module	Trail Camera

Antenna Gain

The Module used the actual EIRP test values

Band	Maximum Conducted Output Power (dBm)	EIRP limit (dBm)	Margin1 (dB)	Power density Limit		Margin2 (dB)	Final Margin (dB)
				(mW/cm <sup>2</sup> )	(dBm)		
WCDMA II	24.000	33.000	9.000	1.000	37.013	13.013	9.000
WCDMA IV	24.000	30.000	6.000	1.000	37.013	13.013	6.000
WCDMA V	24.000	40.600	16.600	0.550	34.416	10.416	10.416
LTE Band 2	24.500	33.000	8.500	1.000	37.013	12.513	8.500
LTE Band 4	24.500	30.000	5.500	1.000	37.013	12.513	5.500
LTE Band 5	24.500	40.600	16.100	0.550	34.416	9.916	9.916
LTE Band 12	24.500	36.920	12.420	0.470	33.734	9.234	9.234
LTE Band 13	24.500	36.920	12.420	0.520	34.173	9.673	9.673

MPE Test Report

Report No.: R1907A0406-M1

Band	Maximum Conducted Output Power (dBm)	EIRP limit (dBm)	Margin1 (dB)	Power density Limit		Margin2 (dB)	Final Margin (dB)
				(mW/cm <sup>2</sup> )	(dBm)		
LTE Band 25	25.000	33.000	8.000	1.000	37.013	12.013	8.000
LTE Band 26(Part 22)	25.000	38.450	13.450	0.550	34.416	9.416	9.416
LTE Band 26(Part 90)	25.000	50.000	25.000	0.550	34.416	9.416	9.416

Band	Maximum Tune up Power		Antenna Gain (dBi)	Numeric Gain
	(dBm)	(mW)		
LTE Band 2	24	251.189	4.50	2.818
LTE Band 4	24	251.189	3.00	1.995
LTE Band 5	24	251.189	4.40	2.754
LTE Band 12	24	251.189	0.70	1.175
LTE Band 13	24	251.189	3.60	2.291
LTE Band 25	24	251.189	4.50	2.818
LTE Band 26	24	251.189	4.40	2.754
Wi-Fi 2.4GHz	15	31.623	3.39	2.183
Bluetooth (Low Energy)	4	2.512	2.56	1.803

2. There were no hardware changes to the module
3. Software security remains unchanged from original application.
4. No change the Tune up.
5. Test report data clarification

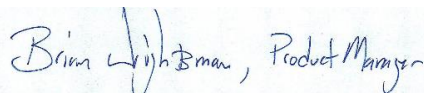
Description	Original test reports No.:	Testing Data	Remark
FCC Part15B Report  Report No.: EFTA25010044-IE-02-E1 FCC Part15B  Report No.: EFTA25010044-IE-02 Part 15B Test Setup	N/A	Full testing	N/A
FCC LTE Test Report  Report No.: EFTA25010044-IE-05-R1 FCC Part22-24-27-90  Report No.: EFTA25010044-IE-05 Part22_24_27_90 Test Setup	R1907A0406-R4_EG91NAX FCC Part22  R1907A0406-R5_EG91NAX FCC Part27  R1907A0406-R6_EG91NAX FCC Part24  R1907A0406-R1_EG91NAX FCC Part22-LTE 26  R1907A0406-R2_EG91NAX FCC Part24-LTE 25  R1907A0406-R3_EG91NAX FCC Part90S-LTE 26	Add full test: Output Power/EIRP  Radiated Spurious Emission	Based on the module difference description, Frequency Stability, Occupied Bandwidth, Emission Bandwidth, band edge and Conducted Spurious Emission are evaluated refer to original reports

	R1907A0406 Part22_24_27 Test Setup		
MPE Test Report Report No.: EFTA25010044-IE-05-M1 FCC MPE	N/A	Full Evaluate	Reevaluation of individually and simultaneously launched MPEs based on validation and test results
FCC Part15C report Report No.: EFTA25010044-IE-05-R2 FCC Part15C-BLE WIFI 2.4G Report No.: EFTA25010044-IE-05 Part15C Test Setup	N/A	Full testing	N/A

### CONCLUSION

This radio device continues to meet all FCC standard requirements.

Please contact me if you have any questions or need further information regarding this application.

Sincerely,  Brian Wrightsman, Product Manager

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Signature

Date:2025/3/6

Printed Name of Signee: Brian Wrightsman

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