



TEST REPORT

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Report Number: 2504X06145E-RF-00F
FCC ID: 2AGNTMDE600958A

Test Standard (s)

47 CFR §2.1091

Sample Description

Product Name: EVO III 4T Pro
EVO III 4N Pro
EVO III 3M Pro
EVO III 4F Pro
Model No.: MDE-L, MDE
Trade Mark: AUTEL ROBOTICS
Date Received: 2025-09-30
Report Date: 2025-11-23

Test Result:	The EUT complied with the standards above.
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Approved By:

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Note: This report must not be used by the customer to claim product certification, approval, or endorsement by A2LA, or any agency of the Federal Government. The information marked "#" is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included but no need marked.
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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
Rev.00	2504X06145E-RF-00F	Original Report	2025-11-23

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product Name	EVO III 4T Pro EVO III 4N Pro EVO III 3M Pro EVO III 4F Pro
Tested Model	MDE-L
Multiple Model	MDE
Model Difference [#]	MDE-L has a certified LTE module and MDE doesn't. Please refer to DOS letter for more detail. The applicant provided model "MDE-L" for testing.
Voltage Range [#]	DC 14.4V from battery

Note1[#]: The device can install difference Gimbal cameras: Gimbal camera 1 (Fusion 4T Pro), Gimbal camera 2(Fusion 4F Pro), Gimbal camera 3(Fusion 3M Pro), Gimbal camera 4(Fusion 4N Pro).

Product name	EVO III 4T Pro	EVO III 4F Pro	EVO III 3M Pro	EVO III 4N Pro
Gimbal camera name	Fusion 4T Pro	Fusion 4F Pro	Fusion 3M Pro	Fusion 4N Pro
Gimbal camera model	MDES1	MDES2	MDEP1	MDEN1

Note 2: Per 15B report, test with Gimbal camera 1[#](Fusion 4T Pro) was the worst, so test was only performed with Gimbal camera 1[#](Fusion 4T Pro) this report.

Wireless parameters

Frequency Range	Wi-Fi: 2.4G Wi-Fi: 2412-2462MHz 5G Wi-Fi: 5150-5250MHz; 5725-5850MHz	
	900M SRD 1.4M: 904-926MHz	2.4G SRD 1.4M: 2403.5-2475.5MHz
	900M SRD 3M: 905-925MHz	2.4G SRD 3M: 2404.5-2474.5MHz
	900M SRD 5M: 906-924MHz	2.4G SRD 5M: 2405.5-2473.5MHz
	900M SRD 10M: 909-921MHz	2.4G SRD 10M: 2407.5-2471.5MHz
	900M SRD 20M: 914-916MHz	2.4G SRD 20M: 2412.5-2462.5MHz
	5.2G SRD 1.4M: 5154-5246MHz	5.8G SRD 1.4M: 5728-5847MHz
	5.2G SRD 3M: 5155-5245MHz	5.8G SRD 3M: 5729-5846MHz
	5.2G SRD 5M: 5156-5244MHz	5.8G SRD 5M: 5730-5846MHz
	5.2G SRD 10M: 5157-5243MHz	5.8G SRD 10M: 5733-5842MHz
	5.2G SRD 20M: 5167-5233MHz	5.8G SRD 20M: 5738-5839MHz
	60G Radar: 60.97-61.84 GHz	
	GSM850:824-849MHz	GSM1900:1850-1910MHz
	WCDMA B2: 1850-1910MHz	WCAMA B4:1710-1755MHz
	WCAMA B5: 824-849MHz	LTE B2: 1850-1910MHz
	LTE B4: 1710-1755MHz	LTE B5: 824-849MHz
	LTE B7: 2500-2570MHz	LTE B12: 699-716MHz
	LTE B13: 777-787MHz	LTE B25: 1850-1915MHz
	LTE B26: 814-849MHz	LTE B38: 2570-2620MHz
	LTE B41: 2496-2690MHz	

Continued table

Maximum Conducted Output Average Power [#]	Wi-Fi: 2412-2462MHz: 18.82dBm, 5150-5250MHz: 16.26dBm 5725-5850MHz: 21.13dBm (Note: It is quoted from Report No.: 2504X04187E-RF-00G [#] .)	
	SRD: 900M SRD: 25.86dBm, 2.4G SRD: 22.37dBm 5.2G SRD: 19.33dBm, 5.8G SRD: 24.89dBm (Note: It is quoted from Report No.: 2504X04187E-RF-00G [#] .)	
Maximum Radar EIRP (actual test result)	60G Radar: 15.18dBm	
Maximum Conducted Tune-up Output Average Power [#]	GSM850:26dBm PCS1900: 23dBm WCDMA B2: 25dBm WCAMA B4: 25dBm WCAMA B5: 25dBm LTE B2: 25dBm LTE B4: 25dBm LTE B5: 25dBm LTE B7: 25dBm LTE B12: 25dBm LTE B13: 25dBm LTE B25: 25dBm LTE B26: 25dBm LTE B38: 25dBm LTE B41: 25dBm Note [#] : The power is refer LTE module parameters (FCC ID: XMR201903EG25G).	
Antenna Specification [#]	Wi-Fi(Ceramic Antenna): 2412-2462MHz: Ant0: 6.1dBi, Ant1: 6.1dBi 5150-5250MHz: ANT0: 3.67dBi, ANT1: 3.67dBi 5725-5850MHz: ANT0: 3.67dBi, ANT1: 3.67dBi	
	SRD(PCB Antenna): 900M SRD: ANT5: 0.3dBi, ANT6: 0.3dBi 2.4G SRD: ANT3: 2.8dBi, ANT4: 2.8dBi, ANT5: 1.9dBi, ANT6: 1.0dBi 5.2G SRD: ANT3: 1.6dBi, ANT4: 1.6dBi, ANT5: 0.7dBi, ANT6: 2.7dBi 5.8G SRD: ANT3: 1.7dBi, ANT4: 1.7dBi, ANT5: 2.6dBi, ANT6: 4.6dBi	
	GSM850/WCDMA B5/LTE B5/LTE B26:-2.9dBi, PCS1900/WCDMA B2/LTE B2/ LTE B25:1.7dBi, WCDMA B4/LTE B4: 1.4dBi, LTE B7: 4.1dBi, LTE B12: -2.5dBi, LTE B13: -1.5dBi, LTE B38: 5.2dBi, LTE B41: 5.2dBi	
	The gain is as above, which is provided by the applicant.	

Objective

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts C and Part 2-Subpart J, Radiofrequency Radiation Exposure of the Federal Communication Commission rules.

The tests were performed in order to determine compliance with FCC §2.1091 rules.

Test Facility

The test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

Accredited by American Association for Laboratory Accreditation (A2LA).The Certificate Number is 4297.01.

RF EXPOSURE

Applicable Standard

According to subpart 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

Limits for General Population/Uncontrolled Exposure

Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (Minutes)
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

Result

Calculated Formulary:

Predication of MPE limit at a given distance

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

S = power density (in appropriate units, e.g. mW/cm2)
P = power input to the antenna (in appropriate units, e.g., mW).
G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain.
R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

Radio	Frequency (MHz)	Tune up conducted power [#] (dBm)	Antenna Gain [#] (dBi)	EIRP		Limit (dBm)	Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
				(dBm)	(mW)				
2.4G Wi-Fi	2412-2462	19.3	6.1	25.4	346.737	/	30	0.031	1.0
5.2G Wi-Fi	5180-5240	17.5	3.67	21.17	130.918	/	30	0.012	1.0
5.8G Wi-Fi	5745-5825	21.5	3.67	25.17	328.852	/	30	0.029	1.0
900M SRD	904-926	26	0.3	26.3	426.580	/	30	0.038	0.6
2.4G SRD	2403.5-2475.5	22.8	2.8	25.6	363.078	/	30	0.032	1.0
5.2G SRD	5154-5246	19.8	2.7	22.5	177.828	/	30	0.016	1.0
5.8G SRD	5728-5847	25.3	4.6	29.9	977.237	/	30	0.086	1.0
60G Radar	60970-61840	/	/	15.18	32.96	/	30	0.0029	1.0
GSM850	824-849	26.0	-2.9	23.1	204.174	38.45	30	0.018	0.55
PCS1900	1850-1910	23.0	1.7	24.7	295.121	33	30	0.026	1.0
WCDMA B2	1850-1910	25.0	1.7	26.7	467.735	33	30	0.041	1.0
WCDMA B4	1710-1755	25.0	1.4	26.4	436.516	30	30	0.039	1.0
WCDMA B5	824-849	25.0	-2.9	22.1	162.181	38.45	30	0.014	0.55
LTE B2	1850-1910	25.0	1.7	26.7	467.735	33	30	0.041	1.0
LTE B4	1710-1755	25.0	1.4	26.4	436.516	30	30	0.039	1.0
LTE B5	824-849	25.0	-2.9	22.1	162.181	38.45	30	0.014	0.55
LTE B7	2500-2570	25.0	4.1	29.1	812.831	33	30	0.072	1.0
LTE B12	699-716	25.0	-2.5	22.5	177.828	34.77	30	0.016	0.466
LTE B13	777-787	25.0	-1.5	23.5	223.872	34.77	30	0.020	0.518
LTE B25	1850-1915	25.0	1.7	26.7	467.735	33	30	0.041	1.0
LTE B26	814-849	25.0	-2.9	22.1	162.181	38.45	30	0.014	0.543
LTE B38	2570-2620	25.0	5.2	30.2	1047.129	33	30	0.093	1.0
LTE B41	2496-2690	25.0	5.2	30.2	1047.129	33	30	0.093	1.0

Note 1: The tune-up conducted power and antenna gain are declared by the applicant.

Note 2: EIRP= Tune up conducted power + Antenna Gain

Note 3: $E[dB\mu V/m] = EIRP[dBm] + 95.2$ for $d = 3$ m.

For 2.4G EIRP= 81.44 dBuV/m - $95.2 = -13.76$ dBm

Note 4: SRD, Wi-Fi, 2.4G and 60G Radar can transmit simultaneously:

Simultaneous transmitting consideration (worst case):

The ratio=2.4G wifi B4/Limit +5.8G SRD/Limit +60G Radar/Limit+LTE B41/Limit

= $0.031/1 + 0.086/1 + 0.0029/1 + 0.093/1$

= $0.213 < 1.0$

To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 30cm from nearby persons.

Result: Compliance

EXHIBIT A-EUT PHOTOGRAPHS

Please refer to the Attachment No.1 2504X06145E-RF EUT External Photos and Attachment No.2 2504X06145E-RF EUT Internal Photos.

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