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<http://www.ltalab.com>

Dates of Tests: January 14, 2025 ~ March 26, 2025

Test Site : LTA CO., LTD.

CERTIFICATION OF COMPLIANCE

FCC ID.

2BOFGR-200M

APPLICANT

CAMOS CO., LTD.

Equipment Class	:	Digital Transmission System (DTS)
Manufacturing Description	:	Wireless Video Receiver
Manufacturer	:	CAMOS CO., LTD.
Model name	:	R-200M
Variant Model name	:	R-100 / R-200 / R-300 / R-400 / R-100M / R-200M / R-300M / R-400M / R-100MA / R-200MA / R-300MA / R-400MA / R-100MT / R-200MT / R-300MT / R-400MT / MVRT1000-RX-SCB / MVRT1000-RX / CAW-1000RA
Test Device Serial No.:	:	Identical prototype
Rule Part(s)	:	FCC Part 15.247 Subpart C ; ANSI C63.10 - 2020
Frequency Range	:	2412 MHz ~ 2462 MHz
Max. Output Power	:	Max 8.06 dBm - Conducted
Data of issue	:	March 31, 2025

This test report is issued under the authority of:

Eun-Hwan Jung, Manager

The test was supervised by:

In-Sun Lee, Test Engineer

This test result only responds to the tested sample. It is not allowed to copy this report even partly without the allowance of the test laboratory.

This test report is not related to KS Q ISO/IEC 17025 and KOLAS accreditation.

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1. General information

1-1 Test Performed

Company name : LTA Co., Ltd.
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Quality control in the testing laboratory is implemented as per ISO/IEC 17025 which is the “General requirements for the competents of calibration and testing laboratory”.

1-2 Accredited agencies

LTA Co., Ltd. is approved to perform EMC testing by the following agencies:

Agency	Country	Accreditation No.	Validity	Reference
RRA	KOREA	KR0049	-	EMC accredited Lab.
FCC	U.S.A	649054	2026-03-29	FCC CAB
VCCI	JAPAN	C-4948,	2026-09-10	VCCI registration
VCCI	JAPAN	T-2416,	2026-09-10	VCCI registration
VCCI	JAPAN	R-4483(10 m),	2026-10-15	VCCI registration
VCCI	JAPAN	G-847	2027-12-13	VCCI registration
IC	CANADA	5799A-1	2025-08-15	IC filing

2. Information about test item

2-1 Client & Manufacturer

Client Company name : CAMOS Co., Ltd.
 Address : 4F, 80, Annam-ro 402beon-gil, Bupyeong-gu, Incheon, Republic of Korea
 Tel / Fax : +82-10-2365-0045 / +82-70-4222-5686
 Manufacturer : CAMOS Co., Ltd.
 Address : 4F, 80, Annam-ro 402beon-gil, Bupyeong-gu, Incheon, Republic of Korea
 Tel / Fax : +82-10-2365-0045 / +82-70-4222-5686

2-2 Equipment Under Test (EUT)

Model name : R-200M
 Serial number : Identical prototype
 Date of receipt : January 16, 2025
 EUT condition : Pre-production, not damaged
 Antenna type : Terminal Antenna (Max Gain : 2 dBi)
 Frequency Range : 2412 ~ 2462MHz
 RF output power : Max 8.06 dBm – Conducted
 Type of Modulation : CCK, DSSS, BPSK for OFDM
 Power Source : DC 24 V

2-3 Tested frequency

	LOW	MID	HIGH
Frequency (MHz)	2412	2442	2462

2-4 Ancillary Equipment

Equipment	Model No.	Serial No.	Manufacturer
Notebook	-	MS-1736	MSI

3. Test Report

3.1 Summary of tests

FCC Part Section(s)	Parameter	Limit	Test Condition	Status (note 1)
§1.1310 and §2.1091	RF EXPOSURE EVULATION	-	-	C

Note 1: C=Complies NC=Not Complies NT=Not Tested NA=Not Applicable

3.2 RF EXPOSURE EVULATION

1.1 Limit

According to §1.1310 and §2.1091 RF exposure is calculated.

(B) Limits for General Population/Uncontrolled Exposures

Frequency range (MHz)	Electric field Strength	Magnetic field Strength	Power density (mW/cm ²)	Averaging time
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

1.2 MAXIMUM PERMISSIBLE EXPOSURE Prediction

Prediction of MPE limit at a given distance

Power density at the specific separation:

$S = PG/(4R^2 \pi)$ $S = (6.40 * 1.58) / (4 * 5^2 * \pi)$ $S = 0.0020 \text{ mW/cm}^2$	Where, S = Maximum power density (mW/cm²) P = Power input to the antenna (mW) G = Numeric power gain of the antenna R = Distance to the center of the radiation of the antenna (5 mm = limit for MPE)
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1.3 MAXIMUM PERMISSIBLE EXPOSURE Prediction

- Calculated under the worst-case conditions of each mode.

(Measured power 30 dBm $\pm$ 0.5dB)

3-1. Test mode : b mode

Max Peak output Power at antenna input terminal	8.06	dBm
Max Peak output Power at antenna input terminal	6.40	mW
Prediction distance	5	mm
Prediction frequency	2442	MHz
Antenna Gain(typical)	2.0	dBi
Antenna Gain(numeric)	1.58	-

3-2. Test mode : q mode

Max Peak output Power at antenna input terminal	6.63	dBm
Max Peak output Power at antenna input terminal	4.60	mW
Prediction distance	5	mm
Prediction frequency	2412	MHz
Antenna Gain(typical)	2.0	dBi
Antenna Gain(numeric)	1.58	-

SAR Test exclusion thresholds for 100MHz to 6GHz at test separation distance $\leq$ 50 mm = **Used**

$[(\text{max.power of channel, including tune-up torelance, mW})/(\text{min. test separation distance, mm})] * [\sqrt{f}(\text{GHz})]$

$= [6.40 / 5] * [\sqrt{2.442}] = 2.0 \leq 3.0$, for 1g SAR

Thus, SAR for this device is not required.