

RF Exposure Evaluation Report

Product : Camera
Trademark : STREAMAX
Model/Type Reference : AD Plus2.0-NA, AD Plus2.0-NAS
Serial Number : N/A
Report Number : EED32R81690104
FCC ID : 2AM6L-ADP2NA
Date of Issue : Sep. 29, 2025
Test Standards : 47 CFR Part 1.1307
47 CFR Part 1.1310
47 CFR Part 2.1091
47 CFR Part 2.1093
KDB 447498 D04 Interim General RF
Exposure Guidance v01
Test Result : PASS

Prepared for:

Streamax Technology Co.,Ltd
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2 General Information

2.1 Client Information

Applicant:	Streamax Technology Co.,Ltd
Address of Applicant:	21-23/F, Building B1, Zhiyuan, No.1001, Xueyuan Avenue, Nanshan District, Shenzhen City, Guangdong Province, P.R.China
Manufacturer:	Streamax Technology Co.,Ltd
Address of Manufacturer:	21-23/F, Building B1, Zhiyuan, No.1001, Xueyuan Avenue, Nanshan District, Shenzhen City, Guangdong Province, P.R.China

2.2 General Description of EUT

Product Name:	Camera
Model No.(EUT):	AD Plus2.0-NA, AD Plus2.0-NAS
Test Model No.:	AD Plus2.0-NA
Trademark:	STREAMAX

2.3 Product Specification Subjective to this Standard

Frequency Range:	2.4GHz Wi-Fi: IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz LTE: LTE Band 2: Tx: 1850-1910MHz; LTE Band 4: Tx: 1710-1755 MHz; LTE Band 5: Tx: 824-849 MHz; LTE Band 12: Tx: 699-716 MHz; LTE band 13: TX: 777 -787 MHz; LTE band 14: TX: 788 -798 MHz; LTE band 25: TX: 1850 -1915 MHz; LTE band 26: TX: 814 -849 MHz; LTE band 66: Tx: 1710- 1780MHz; LTE band71: Tx: 663- 698MHz.
Modulation Type:	2.4GHz Wi-Fi: IEEE for 802.11b:DSSS(CCK,DQPSK,DBPSK) IEEE for 802.11g:OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE for 802.11n(HT20): OFDM (64QAM, 16QAM,QPSK,BPSK) LTE: QPSK,16QAM
Test Power Grade:	Default
Test Software of EUT:	CMD
Antenna Type:	Internal antenna
Antenna Gain:	2.4GHz Wi-Fi: -0.37dBi LTE B2: -0.35dBi, LTE B4: -0.59dBi, LTE B5: -0.84dBi, LTE B12: -1.94dBi, LTE B13: -1.94dBi, LTE B14: -1.94dBi, LTE B25: -0.35dBi LTE B26: -0.84dBi, LTE B66: -0.59dBi,

	LTE B71: -1.94dBi.
Power Supply:	9-36V 2A
Sample Received Date:	Sep. 11, 2025
Sample Tested Date:	Sep. 19, 2025 to Sep. 27, 2025
Remark: Model No.: AD Plus2.0-NA, AD Plus2.0-NAS Only the model AD Plus2.0-NA was tested. AD Plus2.0-NAS and AD Plus2.0-NA only differ in having single or dual lenses. AD Plus2.0-NA with dual lenses has one more camera than AD Plus2.0-NAS with single lens. The rest of the main components, including the appearance, structure, circuit schematic, and PCB layout, are all the same.	

2.4 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Hongwei Industrial Park, Zone 70, Bao'an District, Shenzhen, Guangdong, China

Telephone: +86 (0) 755 33683668 Fax: +86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

2.5 Deviation from Standards

None.

2.6 Abnormalities from Standard Conditions

None.

2.7 Other Information Requested by the Customer

None.

3 RF Exposure Evaluation

3.1 RF Exposure Compliance Requirement

3.1.1 Limits

The SAR-based exemption formula of § 1.1307(b)(3)(i)(B), repeated here as Formula (B.2), applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold P_{th} (mW).

This method shall only be used at separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by Formula

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ is per Formula (B.1).

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B.1})$$

The 1 mW Blanket Exemption of § 1.1307(b)(3)(i)(A) applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power of no more than 1 mW, regardless of separation distance.

3.1.2 Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

3.1.3 EUT RF Exposure Evaluation

1) Maximum Tune-up Power

	Channel	Maximum Peak Conducted Output Power (dBm)	Tune up Tolerance (dBm)	Maximum Tune-up Power	
				(dBm)	(mW)
BLE	0	8.08	8.0 ± 1	9.0	7.94
2.4G Wi-Fi	7	13.67	13.0 ± 1	14.0	25.12
LTE	Band 26	23.72	22.0 ± 2	24.0	251.19

Remark: The Max Conducted Peak Output Power data refer to the report EED32R81690101, EED32R81690102, No.19B0422R-HPUSP50V00. Only the worst case was recorded in the report. (LTE module' s FCC ID: N7NRC76B.)

2) For Stand Alone:

BLE:

Frequency (MHz)	Estimation Distance (cm)	Max. Conducted Output Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (mW)	MPE Ratio	Result
@2.4GHz	20	8.08	-0.37	5.56	3.60	3060	0.001	Pass

2.4G Wi-Fi:

Frequency (MHz)	Estimation Distance (cm)	Max. Conducted Output Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (mW)	MPE Ratio	Result
@2.4GHz	20	13.67	-0.37	11.15	13.03	3060	0.004	Pass

LTE:

Band	Frequency (MHz)	Estimation Distance (cm)	Max. Conducted Output Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (mW)	MPE Ratio	Result
2	1905	20	23.60	-0.35	21.1	128.82	3060.00	0.0421	Pass
4	1710.7	20	23.31	-0.59	20.57	114.02	3060.00	0.0373	Pass
5	844	20	23.57	-0.84	20.58	114.29	1721.76	0.0664	Pass
12	700.5	20	23.33	-1.94	19.24	83.95	1429.02	0.0587	Pass
13	782	20	23.37	-1.94	19.28	84.72	1595.28	0.0531	Pass
14	793	20	22.57	-1.94	18.48	70.47	1617.72	0.0436	Pass
25	1905	20	23.52	-0.35	21.02	126.47	3060.00	0.0413	Pass
26	844	20	23.72	-0.84	20.73	118.30	1721.76	0.0687	Pass
66	1710.7	20	23.32	-0.59	20.58	114.29	3060.00	0.0373	Pass
71	693	20	23.45	-1.94	19.36	86.30	1413.72	0.0610	Pass

Note:

1. EIRP=conducted power+antenna gain;
2. ERP=EIRP-2.15;
3. EIRP(dBm) = Field strength of the fundamental signal(dBuV/m@3m) – 95.23;
4. $ERP(mW) = 10^{(ERP(dBm)/10)}$;
5. The estimation distance is 20cm;
6. For test data, please refer to reports EED32R80837501 and EED32R80837502. Only the worst case data was recorded in each report.

For Simultaneous Transmission:

As MPE ratio (BLE + 2.4G Wi-Fi +LTE)= $0.0001^2+0.004^2+0.0687^2=0.0047 < 1$, it's deemed to fulfil the RF exposure requirement.

Statement

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule stated in ILAC-G8:09/2019/CNAS-GL015:2022;
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*** End of Report ***