

TEST REPORT

Product : Camera
Trademark : STREAMAX
Model/Type Reference : AD Plus2.0-NA, AD Plus2.0-NAS
Serial Number : N/A
Report Number : EED32R81690103
FCC ID : 2AM6L-ADP2NA
Date of Issue : Sep. 29, 2025
47 CFR Part 2
47 CFR Part 22 subpart H
Test Standards : 47 CFR Part 24 subpart E
47 CFR Part 27
47 CFR Part 90
Test Result : PASS

Prepared for:

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Prepared by:

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Date:

Sep. 29, 2025



Check No.:6633110925

2 Test Summary

LTE Band 2 & 25			
Test Item	Test Requirement	Test Method	Result
Field Strength of Spurious Radiation	Part 2.1053 / Part 2.1057 / Part 24.238(a)(b)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Conducted Output Power	Part 2.1046(a) / Part 24.232(c)	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 1
Effective Radiated Power of Transmitter (EIRP)	Part 2.1046(a) / Part 24.232(c)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Peak-to-Average Ratio	Part 24.232(d)	KDB 971168 D01v03r01	NOTE 1
99% & 26dB Occupied Bandwidth	Part 2.1049(h)	Part 24.238(b) & KDB 971168 D01v03r01	NOTE 1
Band Edge at Antenna Terminals	Part 2.1051 / Part 24.238(a)	Part 24.238(b) & KDB 971168 D01v03r01	NOTE 1
Spurious Emissions at Antenna Terminals	Part 2.1051 / Part 2.1057 / Part 24.238(a)(b)	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 1
Frequency Stability	Part 2.1055 / Part 24.235	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 1

NOTE 1: Refer to Report No. 19B0422R-HPUSP50V00 (LTE module's FCC ID:N7NRC76B).

The module is without changes in circuit and product function. Therefore, in this report the Radiated Spurious Emission was retested and shown in the data in this report. For other tests' data, please refer to original Report No.19B0422R-HPUSP50V00.

LTE Band 4			
Test Item	Test Requirement	Test Method	Result
Field Strength of Spurious Radiation	Part 2.1053 / Part 27.53(h)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Conducted Output Power	Part 2.1046(a) / Part 27.50(d)	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 2
Effective Radiated Power of Transmitter (EIRP)	Part 2.1046(a) / Part 27.50(d)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Peak-to-Average Ratio	Part 27.50(d)	KDB 971168 D01v03r01	NOTE 2
99% & 26dB Occupied Bandwidth	Part 2.1049(h)	Part 27.53(h) & KDB 971168 D01v03r01	NOTE 2
Band Edge at Antenna Terminals	Part 2.1051/ Part 27.53(h)	Part 27.53(h) & KDB 971168 D01v03r01	NOTE 2
Spurious Emissions at Antenna Terminals	Part 2.1051 / Part 27.53(h)	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 2
Frequency Stability	Part 2.1055 / Part 27.54	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 2

NOTE 2: Refer to Report No. 19B0422R-HPUSP50V00 (LTE module's FCC ID:N7NRC76B).

The module is without changes in circuit and product function. Therefore, in this report the Radiated Spurious Emission was retested and shown in the data in this report. For other tests' data, please refer to original Report No.19B0422R-HPUSP50V00.

LTE Band 5 & 26			
Test Item	Test Requirement	Test Method	Result
Field Strength of Spurious Radiation	Part 2.1053 / Part 2.1057/ Part 22.917(a)(b)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Conducted Output Power	Part 2.1046(a) / Part 22.913(a)	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 3
Effective Radiated Power of Transmitter (ERP)	Part 2.1046(a) / Part 22.913(a)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
99% & 26dB Occupied Bandwidth	Part 2.1049(h)	Part 22.917(b) & KDB 971168 D01v03r01	NOTE 3
Band Edge at Antenna Terminals	Part 2.1051 / Part 22.917(a)	Part 22.917(b) & KDB 971168 D01v03r01	NOTE 3
Spurious Emissions at Antenna Terminals	Part 2.1051 / Part 2.1057/ Part 22.917(a)(b)	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 3
Frequency Stability	Part 2.1055 / Part 22.355	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 3

NOTE 3: Refer to Report No. 19B0422R-HPUSP50V00 (LTE module's FCC ID:N7NRC76B).

The module is without changes in circuit and product function. Therefore, in this report the Radiated Spurious Emission was retested and shown in the data in this report. For other tests' data, please refer to original Report No.19B0422R-HPUSP50V00.

LTE Band 12			
Test Item	Test Requirement	Test Method	Result
Field Strength of Spurious Radiation	Part 2.1053 / Part 27.53(g)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Conducted Output Power	Part 2.1046(a) / Part 27.50(c)	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 4
Effective Radiated Power of Transmitter (EIRP)	Part 2.1046(a) / Part 27.50(c)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
99% & 26dB Occupied Bandwidth	Part 2.1049(h)	KDB 971168 D01v03r01	NOTE 4
Band Edge at Antenna Terminals	Part 2.1051 / Part 27.53(g)	KDB 971168 D01v03r01	NOTE 4
Spurious Emissions at Antenna Terminals	Part 2.1051 / Part 27.53(g)	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 4
Frequency Stability	Part 2.1055 / Part 27.54	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 4

NOTE 4: Refer to Report No. 19B0422R-HPUSP50V00 (LTE module's FCC ID:N7NRC76B).

The module is without changes in circuit and product function. Therefore, in this report the Radiated Spurious Emission was retested and shown in the data in this report. For other tests' data, please refer to original Report No.19B0422R-HPUSP50V00.

LTE Band 13			
Test Item	Test Requirement	Test Method	Result
Field Strength of Spurious Radiation	Part 2.1053/ Part 27.53(g)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Conducted Output Power	Part 2.1046(a) /Part 27.50(c)	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 5
Effective Radiated Power of Transmitter (EIRP)	Part 2.1046(a) / Part 27.50(c)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
99% & 26dB Occupied Bandwidth	Part 2.1049(h)	KDB 971168 D01v03r01	NOTE 5
Band Edge at Antenna Terminals	Part 2.1051 / Part 27.53(g)	KDB 971168 D01v03r01	NOTE 5
Spurious Emissions at Antenna Terminals	Part 2.1051 / Part 27.53(g)	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 5
Frequency Stability	Part 2.1055 / Part 27.54	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 5

NOTE 5: Refer to Report No. 19B0422R-HPUSP50V00 (LTE module's FCC ID:N7NRC76B).

The module is without changes in circuit and product function. Therefore, in this report the Radiated Spurious Emission was retested and shown in the data in this report. For other tests' data, please refer to original Report No.19B0422R-HPUSP50V00.

LTE Band 14			
Test Item	Test Requirement	Test Method	Result
Field Strength of Spurious Radiation	Part 2.1053/ Part 27.53(g)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Conducted Output Power	Part 2.1046(a) /Part 27.50(c)	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 6
Effective Radiated Power of Transmitter (EIRP)	Part 2.1046(a) / Part 27.50(c)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
99% & 26dB Occupied Bandwidth	Part 2.1049(h)	KDB 971168 D01v03r01	NOTE 6
Band Edge at Antenna Terminals	Part 2.1051 / Part 27.53(g)	KDB 971168 D01v03r01	NOTE 6
Spurious Emissions at Antenna Terminals	Part 2.1051 / Part 27.53(g)	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 6
Frequency Stability	Part 2.1055 / Part 27.54	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 6

NOTE 6: Refer to Report No. 19B0422R-HPUSP40V00 (LTE module's FCC ID:N7NRC76B).

The module is without changes in circuit and product function. Therefore, in this report the Radiated Spurious Emission was retested and shown in the data in this report. For other tests' data, please refer to original Report No.19B0422R-HPUSP40V00.

LTE Band 66			
Test Item	Test Requirement	Test Method	Result
Field Strength of Spurious Radiation	Part 2.1053 / Part 27.53(g)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Conducted Output Power	Part 2.1046(a) / Part 27.50(c)	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 7
Effective Radiated Power of Transmitter (EIRP)	Part 2.1046(a) / Part 27.50(c)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
99% & 26dB Occupied Bandwidth	Part 2.1049(h)	KDB 971168 D01v03r01	NOTE 7
Band Edge at Antenna Terminals	Part 2.1051 / Part 27.53(g)	KDB 971168 D01v03r01	NOTE 7
Spurious Emissions at Antenna Terminals	Part 2.1051 / Part 27.53(g)	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 7
Frequency Stability	Part 2.1055 / Part 27.54	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 7

NOTE 7: Refer to Report No. 19B0422R-HPUSP50V00 (LTE module's FCC ID:N7NRC76B).

The module is without changes in circuit and product function. Therefore, in this report the Radiated Spurious Emission was retested and shown in the data in this report. For other tests' data, please refer to original Report No.19B0422R-HPUSP50V00.

LTE Band 71			
Test Item	Test Requirement	Test Method	Result
Field Strength of Spurious Radiation	Part 2.1053 / Part 27.53(g)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Conducted Output Power	Part 2.1046(a) / Part 27.50(c)	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 8
Effective Radiated Power of Transmitter (EIRP)	Part 2.1046(a) / Part 27.50(c)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
99% & 26dB Occupied Bandwidth	Part 2.1049(h)	KDB 971168 D01v03r01	NOTE 8
Band Edge at Antenna Terminals	Part 2.1051 / Part 27.53(g)	KDB 971168 D01v03r01	NOTE 8
Spurious Emissions at Antenna Terminals	Part 2.1051 / Part 27.53(g)	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 8
Frequency Stability	Part 2.1055 / Part 27.54	TIA-603-E-2016 & KDB 971168 D01v03r01	NOTE 8

NOTE 8: Refer to Report No. 19B0422R-HPUSP50V00 (LTE module's FCC ID:N7NRC76B).

The module is without changes in circuit and product function. Therefore, in this report the Radiated Spurious Emission was retested and shown in the data in this report. For other tests' data, please refer to original Report No.19B0422R-HPUSP50V00.

Remark:

The module only applies LTE band 2, LTE band 4, LTE Band 5, LTE Band 12, LTE Band 13, LTE Band 14, LTE Band 25, LTE Band 66 and LTE Band 71. Other frequency bands are not in use.

Tx: In this whole report Tx (or tx) means Transmitter.

Rx: In this whole report Rx (or rx) means Receiver.

RF: In this whole report RF means Radiated Frequency.

Volt: In this whole report Volt means Voltage.

Temp: In this whole report Temp means Temperature.

Humid: In this whole report Humid means humidity.

Press: In this whole report Press means Pressure.

N/A: In this whole report N/A means not applicable.

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.

3 Contents

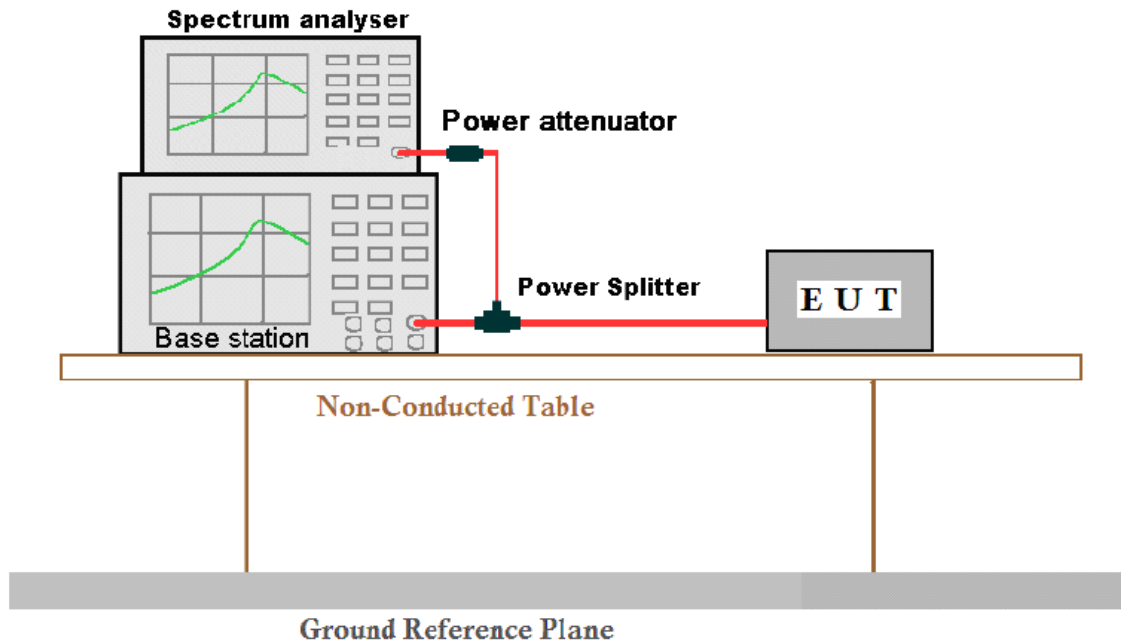
.....	1
2 TEST SUMMARY	2
3 CONTENTS	10
4 TEST REQUIREMENT	11
4.1 TEST SETUP	11
4.1.1 <i>For Radiated Emissions Test Setup</i>	11
4.2 TEST ENVIRONMENT	12
4.3 TEST CONDITION	13
5 GENERAL INFORMATION	16
5.1 CLIENT INFORMATION	16
5.2 GENERAL DESCRIPTION OF EUT	16
5.3 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD	16
5.4 DESCRIPTION OF SUPPORT UNITS	17
5.5 TEST LOCATION	18
5.6 DEVIATION FROM STANDARDS	18
5.7 ABNORMALITIES FROM STANDARD CONDITIONS	18
5.8 OTHER INFORMATION REQUESTED BY THE CUSTOMER	18
5.9 MEASUREMENT UNCERTAINTY (95% CONFIDENCE LEVELS, K=2)	18
6 EQUIPMENT LIST	19
6.1 EFFECTIVE RADIATED POWER OF TRANSMITTER (EIRP)	20
6.2 FIELD STRENGTH OF SPURIOUS RADIATION	21
PHOTOGRAPHS OF TEST SETUP	27
PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS	29

4 Test Requirement

4.1 Test Setup

4.1.1 For Radiated Emissions Test Setup

Test Setup 1:



Radiated Emissions Setup:

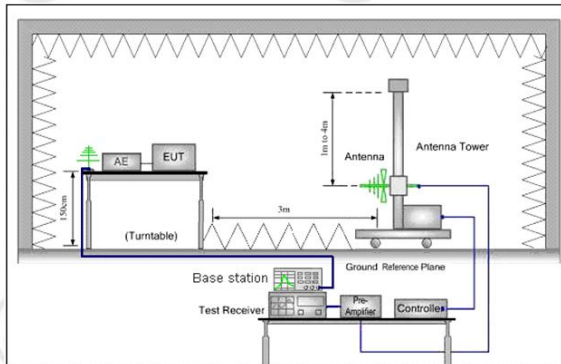


Figure 1. 30MHz to 1GHz

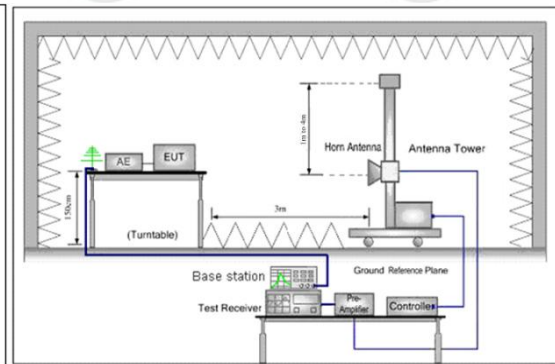


Figure 2. above 1GHz

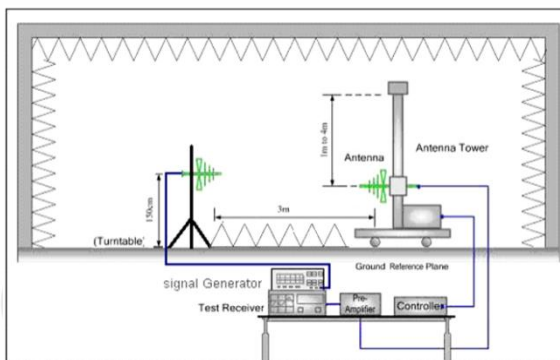


Figure 1. 30MHz to 1GHz

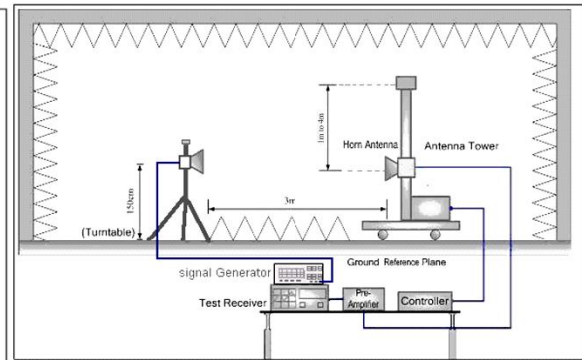


Figure 2. above 1GHz

4.2 Test Environment

Operating Environment:	
Radiated Spurious Emissions:	
Temperature:	22~25.0 °C
Humidity:	50~56 % RH
Atmospheric Pressure:	1010mbar

4.3 Test Condition

Test Channel:

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE Band 2 TX:1850-1910MHz	Low Range	1.4	18607	1850.7
		3	18615	1851.5
		5	18625	1852.5
		10	18650	1855
		15	18675	1857.5
		20	18700	1860
	Mid Range	1.4/3/5/10/15/20	18900	1880
	High Range	1.4	19193	1909.3
		3	19185	1908.5
		5	19175	1907.5
		10	19150	1905
		15	19125	1902.5
		20	19100	1900

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE Band 4 TX:1710-1755 MHz	Low Range	1.4	19957	1710.7
		3	19965	1711.5
		5	19976	1712.5
		10	20000	1715
		15	20025	1717.5
		20	20050	1720
	Mid Range	1.4/3/5/10/15/20	20175	1732.5
	High Range	1.4	20393	1754.3
		3	20385	1753.5
		5	20375	1752.5
		10	20350	1750
		15	20325	1747.5
		20	20300	1745

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE Band 5 TX:824-849 MHz	Low Range	1.4	20407	824.7
		3	20415	825.5
		5	20425	826.5
		10	20450	829
	Mid Range	1.4/3/5/10	20525	836.5
	High Range	1.4	20643	848.3
		3	20635	847.5
		5	20625	846.5
		10	20600	844

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE Band 12 TX:699 to 716 MHz	Low Range	1.4	23017	699.7
		3	23025	700.5
		5	23035	701.5
		10	23060	704
	Mid Range	1.4/3/5/10	23095	707.5
	High Range	1.4	23173	715.3
		3	23165	714.5
		5	23155	713.5
		10	23130	711

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE Band 13 TX:777 to 787 MHz	Low Range	5	23205	779.5
		10	23230	782
	Mid Range	5/10	23230	782
	High Range	5	23255	784.5
		10	23230	782

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE Band 14 TX:788 to 798 MHz	Low Range	5	23305	790.5
		10	-	-
	Mid Range	5/10	23330	793
	High Range	5	23355	795.5
		10	-	-

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE Band 25 TX:1850-1915MHz	Low Range	1.4	26047	1850.7
		3	18615	1851.5
		5	18625	1852.5
		10	18650	1855
		15	18675	1857.5
		20	18700	1860
	Mid Range	1.4/3/5/10/15/20	18900	1880
	High Range	1.4	19193	1909.3
		3	19185	1908.5
		5	19175	1907.5
		10	19150	1905

		15	19125	1902.5
		20	19100	1900

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE Band 26 Tx: 814- 849MHz	Low Range	5	23305	790.5
		10	23330	793
	Mid Range	5/10	23330	793
	High Range	5	23355	795.5
		10	23330	793

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE Band 66 Tx: 1710- 1780MHz	Low Range	1.4	131979	1710.7
		3	131987	1711.5
		5	131997	1712.5
		10	132022	1715
		15	132047	1717.5
		20	132072	1720
	Mid Range	1.4/3/5/10/15/20	132322	1745
	High Range	1.4	132665	1779.3
		3	132657	1778.5
		5	132647	1777.5
		10	132622	1775
		15	132597	1772.5
		20	132572	1770

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE Band 71 Tx: 663- 698MHz	Low Range	5	133147	665.5
		10	133172	668
		15	133197	670.5
		20	133222	673
	Mid Range	5/10/15/20	133297	680.5
	High Range	5	133447	695.5
		10	133422	693
		15	133397	690.5
		20	133372	688

5 General Information

5.1 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

5.2 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
Power Supply:	9-36V  2A
Sample Received Date:	Sep. 11, 2025
Sample Tested Date:	Sep. 19, 2025 to Sep. 27, 2025

5.3 Product Specification Subjective to this Standard

Frequency Band:	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:	QPSK, 16QAM
Antenna Type:	Internal antenna
Antenna Gain:	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.

5.4 Description of Support Units

The EUT has been tested independently.

5.5 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

5.6 Deviation from Standards

None.

5.7 Abnormalities from Standard Conditions

None.

5.8 Other Information Requested by the Customer

None.

5.9 Measurement Uncertainty (95% Confidence Levels, K=2)

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9×10^{-8}
2	RF Power, Conducted	0.46dB (30MHz-1GHz)
		0.55dB (1GHz-18GHz)
3	Radiated Spurious Emission Test	4.3dB (30MHz-1GHz)
		4.5dB (1GHz-12.75GHz)
4	Conduction Emission	3.5dB (9kHz to 150kHz)
		3.1dB (150kHz to 30MHz)
5	Temperature Test	0.64°C
6	Humidity Test	3.8%
7	DC Power Voltages	0.026%

6 Equipment List

3M full-anechoic Chamber					
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Fully Anechoic Chamber	TDK	FAC-3	---	01-09-2024	01-08-2027
Receiver	Keysight	N9038A	MY57290136	01-04-2025	01-03-2026
Spectrum Analyzer	Keysight	N9020B	MY57111112	01-14-2025	01-13-2026
Spectrum Analyzer	Keysight	N9030B	MY57140871	01-14-2025	01-13-2026
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-12-2025	04-11-2026
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-12-2025	04-11-2026
Horn Antenna	ETS-LINDGREN	3117	57407	06-29-2025	06-28-2026
Preamplifier	EMCI	EMC001330	980563	03-03-2025	03-02-2026
Preamplifier	Tonscend	TAP-011858	AP21B806112	07-07-2025	07-06-2026
Preamplifier	Tonscend	EMC051845SE	980380	12-05-2024	12-04-2025
Communication test set	R&S	CMW500	102898	01-04-2025	01-03-2026
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	03-31-2025	03-30-2026
RSE Automatic test software	JS Tonscend	JS36-RSE	V4.0.0.0	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0001	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMSM-2.50M	394812-0002	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMSM-2.50M	394812-0003	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMSM-2.50M	393495-0001	01-09-2024	01-08-2027
Cable line	Times	EMC104-NMNM-1000	SN160710	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMSM-3.00M	394813-0001	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMNM-1.50M	381964-0001	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMSM-7.00M	394815-0001	01-09-2024	01-08-2027
Cable line	Times	HF160-KMKM-3.00M	393493-0001	01-09-2024	01-08-2027

6.1 Effective Radiated Power of Transmitter (EIRP)

Band	Conducted Power (dBm)	Antenna Gain (dBi)	ERP/EIRP (dBm)	Limit (dBm)	Conclusion
LTE Band 2	23.60	-0.35	23.25	33	Pass
LTE Band 4	23.31	-0.59	22.72	30	Pass
LTE Band 5	23.57	-0.84	20.58	38.45	Pass
LTE Band 12	23.33	-1.94	19.24	34.77	Pass
LTE Band 13	23.37	-1.94	19.28	34.77	Pass
LTE Band 14	22.57	-1.94	18.48	34.77	Pass
LTE Band 25	23.52	-0.35	23.17	33	Pass
LTE Band 26	23.72	-0.84	20.73	38.45	Pass
LTE Band 66	23.32	-0.59	22.73	30	Pass
LTE Band 71	23.45	-1.94	19.36	34.77	Pass

Remark:

Conducted Power refer to Report No. 19B0422R-HPUSP40V00, 19B0422R-HPUSP50V00 (LTE module's FCC ID:N7NRC76B).

- Only the worst case was recorded in the report.
- According to KDB 412172 D01 Power Approach, calculate power in dBm by the following formula:

$$\text{ERP(dBm)} = \text{Conducted output power(dBm)} + \text{antenna gain (dBd)}$$

$$\text{EIRP(dBm)} = \text{Conducted output power(dBm)} + \text{antenna gain (dBi)}$$

$$\text{EIRP} = \text{ERP} + 2.15\text{dB}$$

6.2 Field Strength of Spurious Radiation

Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-30MHz	Peak	10kHz	30kHz	Peak
	30MHz-1GHz	Peak	120kHz	300kHz	Peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
Measurement Procedure:	1. Scan up to 10th harmonic, find the maximum radiation frequency to measure. 2. The technique used to find the Spurious Emissions of the transmitter was the antenna substitution method. Substitution method was performed to determine the actual ERP/EIRP emission levels of the EUT. Test procedure as below: The EUT was powered ON and placed on a 1.5m high table at a 3 meter fully Anechoic Chamber. The antenna of the transmitter was extended to its maximum length. modulation mode and the measuring receiver shall be tuned to the frequency of the transmitter under test. The EUT was set 3 meters(above 18GHz the distance is 1 meter) away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made. Steps 1) to 3) were performed with the EUT and the receive antenna in both vertical and horizontal polarization. The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter. A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 3) is obtained for this set of conditions. The output power into the substitution antenna was then measured. Steps 6) and 7) were repeated with both antennas polarized. Calculate power in dBm by the following formula: $\text{ERP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBd)}$ $\text{EIRP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBi)}$ $\text{EIRP} = \text{ERP} + 2.15\text{dB}$ where: Pg is the generator output power into the substitution antenna. Test the EUT in the lowest channel, the middle channel the Highest channel The radiation measurements are performed in X, Y, Z axis positioning for EUT operation mode, And found the X axis positioning which it is worse case. Repeat above procedures until all frequencies measured was complete.				
Limit:	Attenuated at least 43+10log(P)				

Measurement Data

Remark: Only the worst case was recorded in the report.

QPSK:

Mode:		LTE Traffic						
Band:		2		Channel:			18900	
Remark:		20MHz						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	37.9556	150	57	-68.38	-13.00	55.38	PASS	Horizontal
2	80.062	150	357	-62.78	-13.00	49.78	PASS	Horizontal
3	375.001	150	357	-62.57	-13.00	49.57	PASS	Horizontal
4	1400.24	150	223	-47.01	-13.00	34.01	PASS	Horizontal
5	4436.7343	150	135	-53.23	-13.00	40.23	PASS	Horizontal
6	9668.3584	150	200	-48.34	-13.00	35.34	PASS	Horizontal
7	48.8218	150	26	-54.60	-13.00	41.60	PASS	Vertical
8	103.9288	150	8	-64.35	-13.00	51.35	PASS	Vertical
9	375.001	150	0	-66.01	-13.00	53.01	PASS	Vertical
10	1261.6262	150	276	-48.41	-13.00	35.41	PASS	Vertical
11	3492.3996	150	294	-55.48	-13.00	42.48	PASS	Vertical
12	9677.1339	150	355	-48.04	-13.00	35.04	PASS	Vertical

Mode:		LTE Traffic						
Band:		4			Channel:		20175	
Remark:		20MHz						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	80.062	150	357	-60.19	-13.00	47.19	PASS	Horizontal
2	375.001	150	275	-61.40	-13.00	48.40	PASS	Horizontal
3	499.962	150	134	-60.76	-13.00	47.76	PASS	Horizontal
4	2475.3475	150	50	-38.66	-13.00	25.66	PASS	Horizontal
5	5011.0381	150	248	-52.70	-13.00	39.70	PASS	Horizontal
6	9674.2087	150	229	-47.21	-13.00	34.21	PASS	Horizontal
7	50.9562	150	0	-53.50	-13.00	40.50	PASS	Vertical
8	208.9038	150	153	-70.06	-13.00	57.06	PASS	Vertical
9	499.962	150	109	-66.49	-13.00	53.49	PASS	Vertical
10	2410.9411	150	0	-39.04	-13.00	26.04	PASS	Vertical
11	5016.4008	150	316	-52.20	-13.00	39.20	PASS	Vertical
12	9707.3604	150	305	-47.20	-13.00	34.20	PASS	Vertical

Mode:		LTE Traffic						
Band:		5			Channel:		25025	
Remark:		10MHz						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	37.1794	150	15	-58.86	-13.00	45.86	PASS	Horizontal
2	208.9038	150	312	-68.01	-13.00	55.01	PASS	Horizontal
3	499.962	150	320	-62.63	-13.00	49.63	PASS	Horizontal
4	2039.979	150	244	-55.10	-13.00	42.10	PASS	Horizontal
5	5543.0043	150	234	-52.85	-13.00	39.85	PASS	Horizontal
6	11860.436	150	174	-46.66	-13.00	33.66	PASS	Horizontal
7	50.9562	150	354	-52.85	-13.00	39.85	PASS	Vertical
8	208.9038	150	176	-71.27	-13.00	58.27	PASS	Vertical
9	500.156	150	268	-66.53	-13.00	53.53	PASS	Vertical
10	2279.703	150	48	-52.52	-13.00	39.52	PASS	Vertical
11	6532.4532	150	360	-50.86	-13.00	37.86	PASS	Vertical
12	11198.8449	150	344	-47.38	-13.00	34.38	PASS	Vertical

Mode:		LTE Traffic						
Band:		12		Channel:			23095	
Remark:		10MHz						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	80.062	150	357	-60.23	-13.00	47.23	PASS	Horizontal
2	208.9038	150	79	-68.32	-13.00	55.32	PASS	Horizontal
3	375.001	150	281	-62.92	-13.00	49.92	PASS	Horizontal
4	1079.908	150	218	-60.50	-13.00	47.50	PASS	Horizontal
5	2566.4316	150	60	-53.07	-13.00	40.07	PASS	Horizontal
6	9614.7865	150	105	-48.02	-13.00	35.02	PASS	Horizontal
7	50.9562	150	198	-53.06	-13.00	40.06	PASS	Vertical
8	208.9038	150	150	-70.32	-13.00	57.32	PASS	Vertical
9	375.001	150	360	-66.36	-13.00	53.36	PASS	Vertical
10	2279.703	150	310	-51.45	-13.00	38.45	PASS	Vertical
11	4984.8235	150	140	-52.49	-13.00	39.49	PASS	Vertical
12	11800.5051	150	302	-46.69	-13.00	33.69	PASS	Vertical

Mode:		LTE Traffic						
Band:		13		Channel:			23230	
Remark:		10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	80.062	150	357	-62.52	-13.00	49.52	PASS	Horizontal
2	208.9038	150	330	-68.45	-13.00	55.45	PASS	Horizontal
3	499.962	150	131	-63.31	-13.00	50.31	PASS	Horizontal
4	1394.8395	150	63	-61.90	-13.00	48.90	PASS	Horizontal
5	3078.7829	150	113	-53.08	-13.00	40.08	PASS	Horizontal
6	6982.5233	150	45	-50.01	-13.00	37.01	PASS	Horizontal
7	50.9562	150	318	-52.93	-13.00	39.93	PASS	Vertical
8	103.9288	150	198	-65.57	-13.00	52.57	PASS	Vertical
9	375.001	150	3	-66.94	-13.00	53.94	PASS	Vertical
10	2279.703	150	132	-51.68	-13.00	38.68	PASS	Vertical
11	7030.7031	150	93	-48.41	-13.00	35.41	PASS	Vertical
12	11632.4632	150	169	-46.97	-13.00	33.97	PASS	Vertical

Mode:		LTE Traffic						
Band:		14			Channel:		23330	
Remark:		10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	88.0176	150	360	-46.79	-13.00	33.79	PASS	Horizontal
2	136.5273	150	176	-43.54	-13.00	30.54	PASS	Horizontal
3	370.5381	150	46	-58.08	-13.00	45.08	PASS	Horizontal
4	2383.1133	150	147	-45.98	-13.00	32.98	PASS	Horizontal
5	5585.3085	150	349	-52.64	-13.00	39.64	PASS	Horizontal
6	9633.5884	150	38	-47.55	-13.00	34.55	PASS	Horizontal
7	51.3443	150	101	-53.19	-13.00	40.19	PASS	Vertical
8	155.7371	150	357	-48.42	-13.00	35.42	PASS	Vertical
9	311.7443	150	357	-60.34	-13.00	47.34	PASS	Vertical
10	2463.0213	150	200	-51.62	-13.00	38.62	PASS	Vertical
11	5268.0268	150	0	-51.94	-13.00	38.94	PASS	Vertical
12	9792.2292	150	65	-42.85	-13.00	29.85	PASS	Vertical

Mode:		LTE Traffic						
Band:		25		Channel:			26140	
Remark:		10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	80.062	150	357	-59.66	-13.00	46.66	PASS	Horizontal
2	208.9038	150	78	-67.81	-13.00	54.81	PASS	Horizontal
3	499.962	150	267	-61.34	-13.00	48.34	PASS	Horizontal
4	1311.2311	150	39	-47.97	-13.00	34.97	PASS	Horizontal
5	5014.7015	150	30	-52.43	-13.00	39.43	PASS	Horizontal
6	16489.3489	150	128	-39.30	-13.00	26.30	PASS	Horizontal
7	49.0158	150	71	-53.70	-13.00	40.70	PASS	Vertical
8	208.9038	150	294	-70.87	-13.00	57.87	PASS	Vertical
9	375.001	150	338	-66.29	-13.00	53.29	PASS	Vertical
10	1162.6163	150	338	-49.17	-13.00	36.17	PASS	Vertical
11	5007.2007	150	276	-51.62	-13.00	38.62	PASS	Vertical
12	13198.0198	150	132	-45.23	-13.00	32.23	PASS	Vertical

Mode:		LTE Traffic						
Band:		26			Channel:		26853	
Remark:		20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	80.062	150	357	-58.54	-13.00	45.54	PASS	Horizontal
2	208.9038	150	184	-68.37	-13.00	55.37	PASS	Horizontal
3	499.962	150	136	-63.21	-13.00	50.21	PASS	Horizontal
4	2009.4259	150	144	-54.91	-13.00	41.91	PASS	Horizontal
5	5023.6024	150	236	-53.45	-13.00	40.45	PASS	Horizontal
6	9660.6161	150	68	-47.82	-13.00	34.82	PASS	Horizontal
7	46.2993	150	100	-63.01	-13.00	50.01	PASS	Vertical
8	103.5407	150	90	-64.88	-13.00	51.88	PASS	Vertical
9	500.156	150	284	-65.73	-13.00	52.73	PASS	Vertical
10	2279.703	150	310	-52.09	-13.00	39.09	PASS	Vertical
11	4995.3995	150	71	-52.73	-13.00	39.73	PASS	Vertical
12	11326.9327	150	302	-47.40	-13.00	34.40	PASS	Vertical

Mode:		LTE Traffic						
Band:		66			Channel:		66786	
Remark:		20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	37.5675	150	83	-60.36	-13.00	47.36	Pass	Horizontal
2	80.062	150	357	-58.87	-13.00	45.87	Pass	Horizontal
3	499.962	150	275	-61.38	-13.00	48.38	Pass	Horizontal
4	2146.5147	150	120	-36.80	-13.00	23.80	Pass	Horizontal
5	5916.3708	150	245	-52.61	-13.00	39.61	Pass	Horizontal
6	11837.3544	150	12	-46.41	-13.00	33.41	Pass	Horizontal
7	50.9562	150	70	-53.12	-13.00	40.12	Pass	Vertical
8	203.8588	150	61	-71.03	-13.00	58.03	Pass	Vertical
9	499.962	150	106	-66.08	-13.00	53.08	Pass	Vertical
10	2360.5361	150	90	-39.46	-13.00	26.46	Pass	Vertical
11	4978.3739	150	210	-51.59	-13.00	38.59	Pass	Vertical
12	11877.3314	150	235	-45.33	-13.00	32.33	Pass	Vertical

Mode:		LTE Traffic						
Band:		71			Channel:		68761	
Remark:		20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	30.5821	150	2	-58.60	-13.00	45.60	Pass	Horizontal
2	80.062	150	357	-59.42	-13.00	46.42	Pass	Horizontal
3	499.962	150	280	-61.54	-13.00	48.54	Pass	Horizontal
4	2530.153	150	223	-53.08	-13.00	40.08	Pass	Horizontal
5	7052.4526	150	47	-49.41	-13.00	36.41	Pass	Horizontal
6	16499.175	150	229	-40.55	-13.00	27.55	Pass	Horizontal
7	58.3297	150	99	-68.53	-13.00	55.53	Pass	Vertical
8	208.9038	150	189	-71.05	-13.00	58.05	Pass	Vertical
9	499.962	150	338	-66.95	-13.00	53.95	Pass	Vertical
10	2145.3145	150	11	-49.75	-13.00	36.75	Pass	Vertical
11	4923.0962	150	309	-53.30	-13.00	40.30	Pass	Vertical
12	12577.9789	150	91	-45.34	-13.00	32.34	Pass	Vertical

Note:

1. Scan from 9kHz to 25GHz, the disturbance above 18GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
2. All modulation and all bandwidth had been tested, but only the worst case data was displayed in this report.
3. Since 2.4G Wi-Fi and LTE can transmit simultaneously, therefore have provided the test result of radiated spurious emission under co-location condition.

PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS

Refer to Report No. EED32R81690102 for EUT External and Internal Photos.

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 ***