TEST REPORT

Product	:	Camera
Trade mark	:	STREAMAX
Model/Type reference	:	AD Plus2.0, C6 Lite
Serial Number	:	N/A
Report Number	:	EED32R80870902
FCC ID	:	2AM6L-ADP211R1
Date of Issue	:	Jun. 26, 2025
Test Standards	:	47 CFR Part 2 47 CFR Part 22 subpart H 47 CFR Part 24 subpart E 47 CFR Part 27 47 CFR Part 90
Test result	:	PASS

Prepared for:

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

Prepared by:

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Date: Jun. 26, 2025

Check No.: 9614290525

2 Version

Version No.	Date	Description
00	Jun. 26, 2025	Original

3 Test Summary

LTE band 2			
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	Note1
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	Note1
99% &26dBOccupied Bandwidth	Part 2.1049(h)	Part 24.238(b) &KDB 971168 D01v03r01	Note1
Band Edge at antenna terminals	Part 2.1051/ Part 24.238(a)	Part 24.238(b) &KDB 971168 D01v03r01	Note1
Spurious emissions at antenna terminals	Part 2.1051/ Part 2.1057/ Part 24.238(a)(b)	TIA-603-E-2016&KDB 971168 D01v03r01	Note1
Frequency stability	Part 2.1055/Part 24.235	TIA-603-E-2016&KDB 971168 D01v03r01	Note1

Note1:Refer to the report of Report No.:R2203A0238-R2, (LTE module’s FCC ID:XMR202008EC25AFXD). The module without changes in circuit and product function, therefore in this report the Radiated Spurious Emission were retested and shown the data in this report, other tests data please refer to original Report No.:R2203A0238-R2.

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	Note2
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	Note2
99% &26dBOccupied Bandwidth	Part 2.1049(h)	Part 27.53(h) &KDB 971168 D01v03r01	Note2
Band Edge at antenna terminals	Part 2.1051/ Part 27.53(h)	Part 27.53(h) &KDB 971168 D01v03r01	Note2
Spurious emissions at antenna terminals	Part 2.1051/ Part 27.53(h)	TIA-603-E-2016&KDB 971168 D01v03r01	Note2
Frequency stability	Part 2.1055/Part 27.54	TIA-603-E-2016&KDB 971168 D01v03r01	Note2

Note2:Refer to the report of Report No.:R2203A0238-R3, (LTE module’s FCC ID:XMR202008EC25AFXD). The module without changes in circuit and product function, therefore in this report the Radiated Spurious Emission were retested and shown the data in this report, other tests data please refer to original Report No.:R2203A0238-R3.

LTE Band 5			
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	Note3
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	Note3
Band Edge at antenna terminals	Part 2.1051/Part 22.917(a)	Part 22.917(b) &KDB 971168 D01v03r01	Note3
Spurious emissions at antenna terminals	Part 2.1051/ Part 2.1057/ Part 22.917(a)(b)	TIA-603-E-2016&KDB 971168 D01v03r01	Note3
Frequency stability	Part 2.1055/ Part 22.355	TIA-603-E-2016&KDB 971168 D01v03r01	Note3

Note3:Refer to the report of Report No.:R2203A0238-R1, (LTE module’s FCC ID:XMR202008EC25AFXD). The module without changes in circuit and product function, therefore in this report the Radiated Spurious Emission were retested and shown the data in this report, other tests data please refer to original Report No.:R2203A0238-R1.

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	Note4
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	Note4
Band Edge at antenna terminals	Part 2.1051/ Part 27.53(g)	KDB 971168 D01v03r01	Note4
Spurious emissions at antenna terminals	Part 2.1051/ Part 27.53(g)	TIA-603-E-2016 & KDB 971168 D01v03r01	Note4
Frequency stability	Part 2.1055/Part 27.54	TIA-603-E-2016 & KDB 971168 D01v03r01	Note4

Note4:Refer to the report of Report No.:R2203A0238-R3, (LTE module’s FCC ID:XMR202008EC25AFXD). The module without changes in circuit and product function, therefore in this report the Radiated Spurious Emission were retested and shown the data in this report, other tests data please refer to original Report No.:R2203A0238-R3.

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	Note5
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	Note5
Band Edge at antenna terminals	Part 2.1051/ Part 27.53(g)	KDB 971168 D01v03r01	Note5
Spurious emissions at antenna terminals	Part 2.1051/ Part 27.53(g)	TIA-603-E-2016 & KDB 971168 D01v03r01	Note5
Frequency stability	Part 2.1055/Part 27.54	TIA-603-E-2016 & KDB 971168 D01v03r01	Note5

Note5:Refer to the report of Report No.:R2203A0238-R3, (LTE module’s FCC ID:XMR202008EC25AFXD). The module without changes in circuit and product function, therefore in this report the Radiated Spurious Emission were retested and shown the data in this report, other tests data please refer to original Report No.:R2203A0238-R3.

LTE Band 14			
Test Item	**Test Requirement**	**Test method**	**Result**
Field strength of spurious radiation	Part 2.1053/ Part 90.543(e)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Conducted output power	Part 2.1046(a) /Part 90.635(c)	TIA-603-E-2016 & KDB 971168 D01v03r01	Note6
Effective Radiated Power of Transmitter(EIRP)	Part 90.542	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
99% & 26dB Occupied Bandwidth	Part 2.1049(h) / Part 90.209	KDB 971168 D01v03r01	Note6
Band Edge at antenna terminals	Part 2.1051/ Part 90.543	KDB 971168 D01v03r01	Note6
Spurious emissions at antenna terminals	Part 2.1051/ Part 90.543(e)	TIA-603-E-2016 & KDB 971168 D01v03r01	Note6
Frequency stability	Part 90.543(e)	TIA-603-E-2016 & KDB 971168 D01v03r01	Note6

Note6:Refer to the report of Report No.:R2203A0238-R4, (LTE module’s FCC ID:XMR202008EC25AFXD). The module without changes in circuit and product function, therefore in this report the Radiated Spurious Emission were retested and shown the data in this report, other tests data please refer to original Report No.:R2203A0238-R4.

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	Note7
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	Note7
Band Edge at antenna terminals	Part 2.1051/ Part 27.53(g)	KDB 971168 D01v03r01	Note7
Spurious emissions at antenna terminals	Part 2.1051/ Part 27.53(g)	TIA-603-E-2016 & KDB 971168 D01v03r01	Note7
Frequency stability	Part 2.1055/Part 27.54	TIA-603-E-2016 & KDB 971168 D01v03r01	Note7

Note7:Refer to the report of Report No.:R2203A0238-R3, (LTE module’s FCC ID:XMR202008EC25AFXD). The module without changes in circuit and product function, therefore in this report the Radiated Spurious Emission were retested and shown the data in this report, other tests data please refer to original Report No.:R2203A0238-R3.

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	Note8
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	Note8
Band Edge at antenna terminals	Part 2.1051/ Part 27.53(g)	KDB 971168 D01v03r01	Note8
Spurious emissions at antenna terminals	Part 2.1051/ Part 27.53(g)	TIA-603-E-2016 & KDB 971168 D01v03r01	Note8
Frequency stability	Part 2.1055/Part 27.54	TIA-603-E-2016 & KDB 971168 D01v03r01	Note8

Note7:Refer to the report of Report No.:R2203A0238-R3, (LTE module’s FCC ID:XMR202008EC25AFXD). The module without changes in circuit and product function, therefore in this report the Radiated Spurious Emission were retested and shown the data in this report, other tests data please refer to original Report No.:R2203A0238-R3.

Remark:

The module only applies LTE band 2,LTE band 4,LTE Band 5,LTE Band 12,LTE Band 13,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 not application

Model No.: AD Plus2.0, C6 Lite

All model was tested, only the worst data was recorded(AD Plus2.0) in report. Their have similar electrical,PCB and layout,only the model name and colour are different, AD Plus2.0 and C6 Lite are different for marketing requirements.

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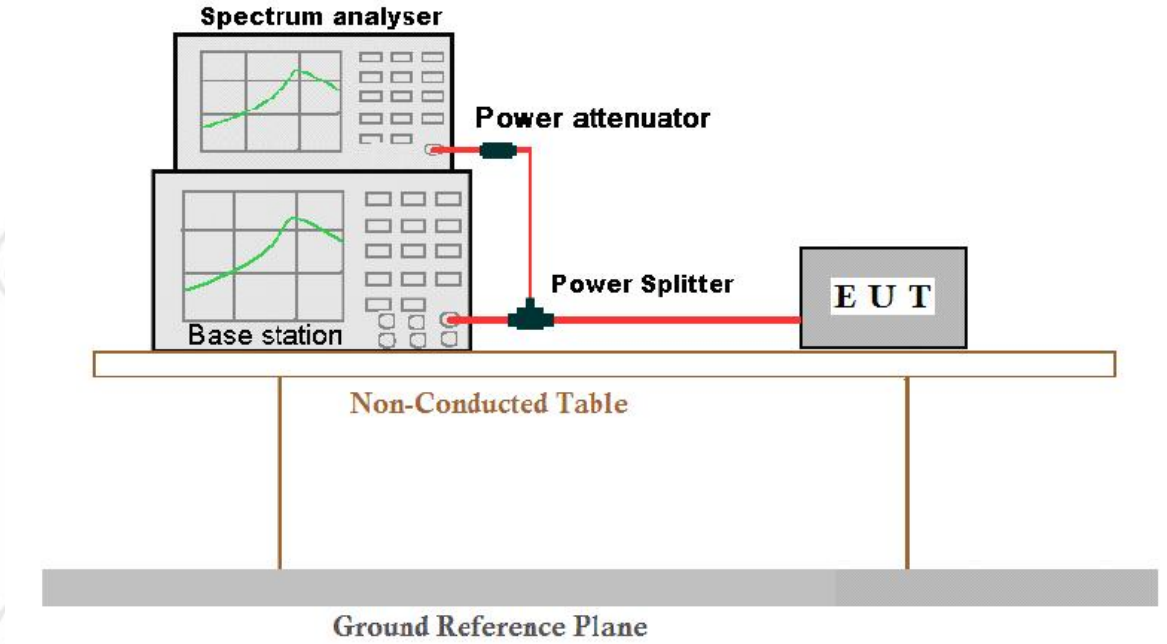
5 Test Requirement

5.1 Test setup

5.1.1 For Radiated Emissions test setup

Test setup 1:



Radiated Emissions setup:

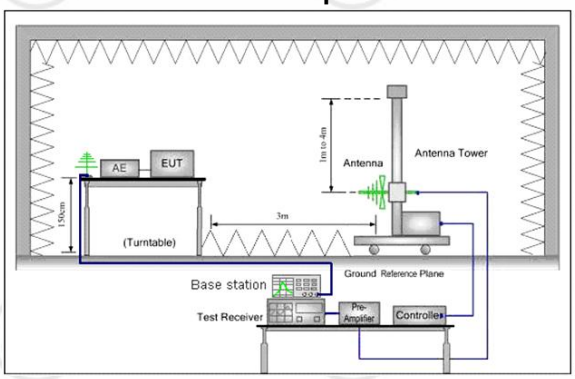


Figure 1.30MHz to 1GHz

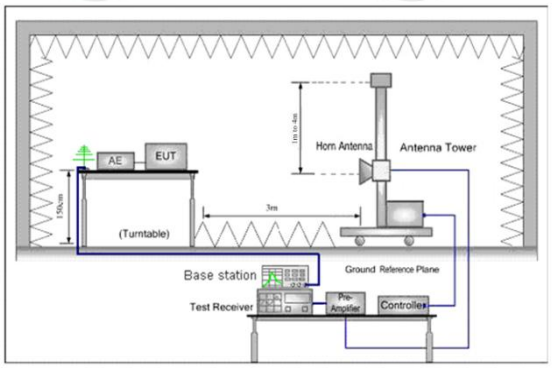


Figure 2. above 1GHz

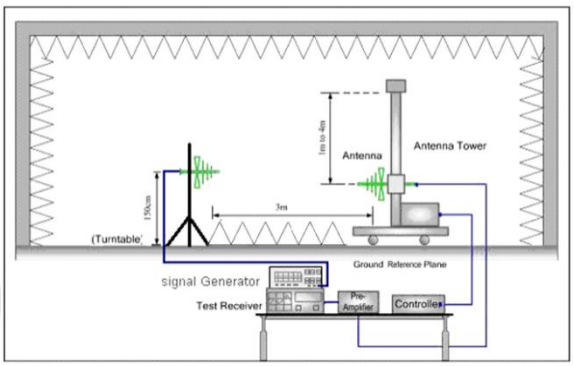


Figure 1. 30MHz to 1GHz

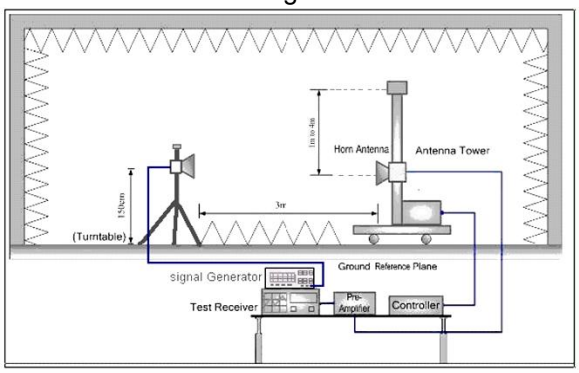


Figure 2. above 1GHz

5.2 Test Environment

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

5.3 Test Condition

Test channel:

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE band2 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)
LTEband14 Tx: 788- 798MHz	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)
LTEband66 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)
LTEband71 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

6 General Information

6.1 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

6.2 General Description of EUT

Product Name:	Camera
Model No.(EUT):	AD Plus2.0, C6 Lite
Test Model No.:	AD Plus2.0
Trade mark:	STREAMAX
Power Supply:	9-36V⎓ 2A
Sample Received Date:	Sep. 30, 2024
Sample tested Date:	Sep. 30, 2024 to Jun. 16, 2025

6.3 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; LTEband 66:Tx: 1710- 1780MHz; LTEband71: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: -0.84dBi, LTE B66: -0.59dBi, LTE B71: -1.94dBi

6.4 Description of Support Units

The EUT has been tested with associated equipment below.

1）support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
/	/	/	/	/

6.5 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

6.6 Deviation from Standards

None.

6.7 Abnormalities from Standard Conditions

None.

6.8 Other Information Requested by the Customer

None.

6.9 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%

7 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	01-09-2024 01-04-2025	01-08-2025 01-03-2026
Spectrum Analyzer	Keysight	N9020B	MY57111112	01-29-2024 01-14-2025	01-28-2025 01-13-2026
Spectrum Analyzer	Keysight	N9030B	MY57140871	01-23-2024 01-14-2025	01-22-2025 01-13-2026
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-28-2024 04-12-2025	04-27-2025 04-11-2026
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-16-2024 04-12-2025	04-15-2025 04-11-2026
Horn Antenna	ETS-LINDGREN	3117	57407	07-03-2024 06-29-2025	07-02-2025 06-28-2026
Preamplifier	EMCI	EMC001330	980563	03-08-2024 03-03-2025	03-07-2025 03-02-2026
Preamplifier	Tonscend	TAP-011858	AP21B806112	07-18-2024	07-17-2025
Preamplifier	Tonscend	EMC051845SE	980380	12-14-2023 12-05-2024	12-13-2024 12-04-2025
Communication test set	R&S	CMW500	102898	12-14-2023 12-05-2024	12-13-2024 12-04-2025
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	04-07-2024 03-31-2025	04-06-2025 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

7.1 Effective Radiated Power of Transmitter(EIRP)

Band	Conducted power (dBm)	Antenna gain (dBi)	ERP/EIRP (dBm)	Limit (dBm)	Conclusion
LTE Band2	23.85	3	26.85	33	Pass
LTE Band4	23.72	3	26.72	30	Pass
LTE Band5	23.61	3	24.46	38.45	Pass
LTE Band12	23.74	3	24.59	34.77	Pass
LTE Band13	23.85	3	24.70	34.77	Pass
LTE Band14	23.88	3	24.73	34.77	Pass
LTE Band66	23.82	3	26.82	30	Pass
LTE Band71	23.47	3	24.32	34.77	Pass

Remark:

1.The Conducted power refer to the report of Report No.:R2203A0238-R1, R2203A0238-R2, R2203A0238-R3, R2203A0238-R4.Only the worst case was recorded in the report.

2.According to KDB 412172 D01 Power Approach,Calculate power in dBm by the following formula:

ERP(dBm) = Conducted output powe(dBm) + antenna gain (dBd)

EIRP(dBm) = Conducted output powe(dBm) + antenna gain (dBi)

EIRP=ERP+2.15dB

7.2 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 hight 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:

ERP(dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBd)

EIRP(dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBi)

EIRP=ERP+2.15dB

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	35.4331	150	62	-58.43	-13.00	45.43	PASS	Horizontal
2	80.062	150	357	-62.50	-13.00	49.50	PASS	Horizontal
3	375.001	150	357	-58.64	-13.00	45.64	PASS	Horizontal
4	2940.7941	150	205	-35.36	-13.00	22.36	PASS	Horizontal
5	6868.0184	150	360	-47.29	-13.00	34.29	PASS	Horizontal
6	11209.9105	150	325	-42.05	-13.00	29.05	PASS	Horizontal
7	36.9854	150	182	-56.01	-13.00	43.01	PASS	Vertical
8	58.3297	150	198	-57.05	-13.00	44.05	PASS	Vertical
9	375.001	150	94	-59.53	-13.00	46.53	PASS	Vertical
10	2961.7962	150	216	-35.22	-13.00	22.22	PASS	Vertical
11	4504.0127	150	102	-48.98	-13.00	35.98	PASS	Vertical
12	11236.7243	150	38	-42.14	-13.00	29.14	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	37.1794	150	24	-58.20	-13.00	45.20	PASS	Horizontal
2	80.062	150	357	-64.21	-13.00	51.21	PASS	Horizontal
3	375.001	150	357	-61.43	-13.00	48.43	PASS	Horizontal
4	2940.394	150	296	-38.77	-13.00	25.77	PASS	Horizontal
5	6882.1566	150	190	-47.22	-13.00	34.22	PASS	Horizontal
6	11259.638	150	75	-41.78	-13.00	28.78	PASS	Horizontal
7	36.9854	150	46	-56.37	-13.00	43.37	PASS	Vertical
8	56.3893	150	54	-57.17	-13.00	44.17	PASS	Vertical
9	375.001	150	317	-58.42	-13.00	45.42	PASS	Vertical
10	2992.3992	150	228	-39.11	-13.00	26.11	PASS	Vertical
11	5047.6024	150	54	-48.84	-13.00	35.84	PASS	Vertical
12	11242.0871	150	262	-42.05	-13.00	29.05	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	37.3735	150	190	-58.62	-13.00	45.62	PASS	Horizontal
2	80.062	150	357	-63.13	-13.00	50.13	PASS	Horizontal
3	375.001	150	357	-57.75	-13.00	44.75	PASS	Horizontal
4	1708.5959	150	220	-58.80	-13.00	45.80	PASS	Horizontal
5	6915.5416	150	138	-54.95	-13.00	41.95	PASS	Horizontal
6	9749.925	150	220	-52.45	-13.00	39.45	PASS	Horizontal
7	36.9854	150	255	-56.82	-13.00	43.82	PASS	Vertical
8	58.3297	150	235	-54.80	-13.00	41.80	PASS	Vertical
9	375.001	150	356	-58.91	-13.00	45.91	PASS	Vertical
10	1680.393	150	55	-57.14	-13.00	44.14	PASS	Vertical
11	5002.4502	150	3	-54.92	-13.00	41.92	PASS	Vertical
12	9175.2925	150	73	-52.94	-13.00	39.94	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	36.9854	150	117	-58.56	-13.00	45.56	PASS	Horizontal
2	80.062	150	357	-63.49	-13.00	50.49	PASS	Horizontal
3	375.001	150	357	-58.64	-13.00	45.64	PASS	Horizontal
4	1720.347	150	0	-58.49	-13.00	45.49	PASS	Horizontal
5	6505.4255	150	0	-54.78	-13.00	41.78	PASS	Horizontal
6	9608.9109	150	72	-53.15	-13.00	40.15	PASS	Horizontal
7	62.5985	150	37	-58.69	-13.00	45.69	PASS	Vertical
8	208.9038	150	360	-70.82	-13.00	57.82	PASS	Vertical
9	375.001	150	292	-60.22	-13.00	47.22	PASS	Vertical
10	1410.116	150	360	-56.71	-13.00	43.71	PASS	Vertical
11	5001.2751	150	3	-54.31	-13.00	41.31	PASS	Vertical
12	10192.9443	150	97	-52.81	-13.00	39.81	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	35.045	150	26	-59.31	-13.00	46.31	PASS	Horizontal
2	80.062	150	357	-63.25	-13.00	50.25	PASS	Horizontal
3	375.001	150	357	-58.28	-13.00	45.28	PASS	Horizontal
4	1689.794	150	63	-59.05	-13.00	46.05	PASS	Horizontal
5	6463.1213	150	81	-54.73	-13.00	41.73	PASS	Horizontal
6	10286.9537	150	220	-53.14	-13.00	40.14	PASS	Horizontal
7	31.9404	150	107	-59.17	-13.00	46.17	PASS	Vertical
8	58.3297	150	37	-55.16	-13.00	42.16	PASS	Vertical
9	375.001	150	307	-58.32	-13.00	45.32	PASS	Vertical
10	1709.771	150	196	-56.61	-13.00	43.61	PASS	Vertical
11	5003.6254	150	37	-55.22	-13.00	42.22	PASS	Vertical
12	9685.2935	150	232	-53.19	-13.00	40.19	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	36.9854	150	96	-57.80	-13.00	44.80	PASS	Horizontal
2	80.062	150	357	-62.78	-13.00	49.78	PASS	Horizontal
3	375.001	150	357	-59.22	-13.00	46.22	PASS	Horizontal
4	1800.255	150	78	-58.82	-13.00	45.82	PASS	Horizontal
5	6525.4025	150	5	-54.98	-13.00	41.98	PASS	Horizontal
6	9726.4226	150	142	-53.24	-13.00	40.24	PASS	Horizontal
7	36.9854	150	225	-56.71	-13.00	43.71	PASS	Vertical
8	58.3297	150	243	-55.67	-13.00	42.67	PASS	Vertical
9	375.001	150	358	-58.31	-13.00	45.31	PASS	Vertical
10	1709.771	150	217	-57.31	-13.00	44.31	PASS	Vertical
11	5000.1	150	84	-55.22	-13.00	42.22	PASS	Vertical
12	10281.0781	150	358	-52.96	-13.00	39.96	PASS	Vertical

Mode:	LTE Traffic							
Band:	17			Channel:		23790		
Remark:	20M							
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	69.778	150	338	-68.94	-13.00	55.94	PASS	Horizontal
2	151.0802	150	328	-61.86	-13.00	48.86	PASS	Horizontal
3	377.5235	150	272	-63.93	-13.00	50.93	PASS	Horizontal
4	1359.586	150	103	-59.00	-13.00	46.00	PASS	Horizontal
5	4949.57	150	29	-55.28	-13.00	42.28	PASS	Horizontal
6	9645.3395	150	143	-49.46	-13.00	36.46	PASS	Horizontal
7	70.166	150	281	-65.11	-13.00	52.11	PASS	Vertical
8	163.8868	150	193	-68.85	-13.00	55.85	PASS	Vertical
9	377.7175	150	214	-68.32	-13.00	55.32	PASS	Vertical
10	1424.2174	150	328	-51.89	-13.00	38.89	PASS	Vertical
11	3625.2125	150	222	-52.89	-13.00	39.89	PASS	Vertical
12	8141.1891	150	338	-51.85	-13.00	38.85	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	80.062	150	357	-61.63	-13.00	48.63	Pass	Horizontal
2	375.001	150	357	-57.88	-13.00	44.88	Pass	Horizontal
3	732.8086	150	357	-55.07	-13.00	42.07	Pass	Horizontal
4	2942.5943	150	226	-35.84	-13.00	22.84	Pass	Horizontal
5	6885.5693	150	46	-46.81	-13.00	33.81	Pass	Horizontal
6	11245.4998	150	286	-41.70	-13.00	28.70	Pass	Horizontal
7	36.9854	150	214	-56.86	-13.00	43.86	Pass	Vertical
8	58.3297	150	198	-56.20	-13.00	43.20	Pass	Vertical
9	375.001	150	68	-58.29	-13.00	45.29	Pass	Vertical
10	2934.5935	150	130	-35.00	-13.00	22.00	Pass	Vertical
11	4500.6	150	20	-48.92	-13.00	35.92	Pass	Vertical
12	11239.162	150	243	-41.10	-13.00	28.10	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	37.3735	150	206	-63.67	-13.00	50.67	Pass	Horizontal
2	80.062	150	357	-67.53	-13.00	54.53	Pass	Horizontal
3	375.001	150	357	-62.75	-13.00	49.75	Pass	Horizontal
4	1679.9787	150	179	-67.50	-13.00	54.50	Pass	Horizontal
5	4662.3275	150	42	-63.84	-13.00	50.84	Pass	Horizontal
6	9712.8142	150	259	-62.91	-13.00	49.91	Pass	Horizontal
7	36.9854	150	176	-60.59	-13.00	47.59	Pass	Vertical
8	58.3297	150	176	-61.56	-13.00	48.56	Pass	Vertical
9	375.001	150	360	-62.63	-13.00	49.63	Pass	Vertical
10	1709.7473	150	213	-63.53	-13.00	50.53	Pass	Vertical
11	4662.3275	150	360	-65.17	-13.00	52.17	Pass	Vertical
12	9678.3452	150	48	-63.41	-13.00	50.41	Pass	Vertical

Mode:		2.4G WiFi Channel 7+LTE B2						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	36.9854	150	160	-63.51	-13.00	50.51	Pass	Horizontal
2	80.062	150	357	-67.22	-13.00	54.22	Pass	Horizontal
3	375.001	150	357	-62.40	-13.00	49.40	Pass	Horizontal
4	2934.1289	150	349	-45.84	-13.00	32.84	Pass	Horizontal
5	4662.1608	150	45	-57.37	-13.00	44.37	Pass	Horizontal
6	11248.3999	150	331	-51.75	-13.00	38.75	Pass	Horizontal
7	36.9854	150	69	-60.19	-13.00	47.19	Pass	Vertical
8	58.3297	150	69	-61.32	-13.00	48.32	Pass	Vertical
9	375.001	150	316	-62.11	-13.00	49.11	Pass	Vertical
10	2935.329	150	212	-45.93	-13.00	32.93	Pass	Vertical
11	4662.1608	150	3	-57.77	-13.00	44.77	Pass	Vertical
12	11234.0989	150	322	-51.57	-13.00	38.57	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 displayed in this report.

3.Since 2.4G WiFi 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.EED32R80870901 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;

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