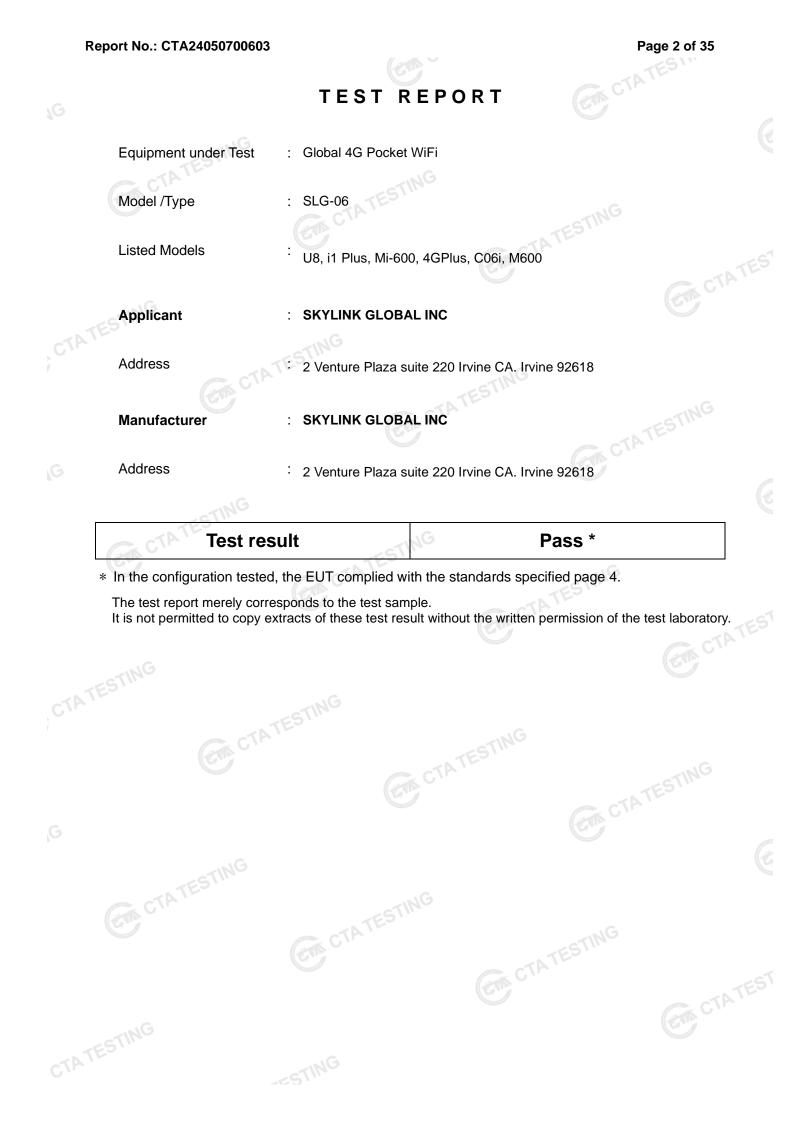


Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

FCC Part 22 Subpart H / Part 24 Subpart E/ Part 27 Report Reference No		
FCC ID		TEST REPORT 2 Subpart H / Part 24 Subpart E/ Part 27
FCC ID	Report Reference No	CTA24050700603
(position+printed name+signature) :: File administrators Zoey Cao Supervised by (position+printed name+signature) :: Project Engineer Amy Wen Approved by (position+printed name+signature) :: RF Manager Eric Wang Date of issue : May 27, 2024 Testing Laboratory Name : Shenzhen CTA Testing Technology Co., Ltd. Address : Room 106, Building 1, Yibaolai Industrial Park, Qiactou Commun Fuhai Street, Bao'an District, Shenzhen, China Applicant's name : Address : 2 Venture Plaza suite 220 Irvine CA. Irvine 92618 Test specification :: : : Standard : FCC CFR Title 47 Part 2, Part 22H, Part 24E and Part 27 Anstrita-603-E-2016 : : : Shenzhen CTA Testing Technology Co., Ltd. : : Shenzhen CTA Testing Technology Co., Ltd. : : : Shenzhen CTA Testing Technology Co., Ltd. : : : Shenzhen CTA Testing Technology Co., Ltd. : : : : Shenzhen CTA Testing Technology Co., Ltd. : : : : Shenzhen CTA T		
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Modulation	context. Test item description Trade Mark Manufacturer Model/Type reference	N/A SKYLINK GLOBAL INC SLG-06
Hardware version C36SM#01 Software version C36SM_HLT_A13M_OVERSEA_V1.0 Frequency UMTS Band II, UMTS Band IV, UMTS Band V Result PASS	context. Test item description Trade Mark: Manufacturer Model/Type reference Listed Models	N/A SKYLINK GLOBAL INC SLG-06 U8, i1 Plus, Mi-600, 4GPlus, C06i, M600
Software version C36SM_HLT_A13M_OVERSEA_V1.0 Frequency UMTS Band II, UMTS Band IV, UMTS Band V Result PASS	context. Test item description Trade Mark Manufacturer Model/Type reference Listed Models Ratings	N/A SKYLINK GLOBAL INC SLG-06 U8, i1 Plus, Mi-600, 4GPlus, C06i, M600 DC 3.85V From battery and DC 5.0V From external circuit
Frequency UMTS Band II, UMTS Band IV, UMTS Band V Result PASS	context. Test item description Trade Mark Manufacturer Model/Type reference Listed Models Ratings Modulation	N/A SKYLINK GLOBAL INC SLG-06 U8, i1 Plus, Mi-600, 4GPlus, C06i, M600 DC 3.85V From battery and DC 5.0V From external circuit QPSK
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	context. Test item description	N/A SKYLINK GLOBAL INC SLG-06 U8, i1 Plus, Mi-600, 4GPlus, C06i, M600 DC 3.85V From battery and DC 5.0V From external circuit QPSK C36SM#01 C36SM_HLT_A13M_OVERSEA_V1.0
	context. Test item description	N/A SKYLINK GLOBAL INC SLG-06 U8, i1 Plus, Mi-600, 4GPlus, C06i, M600 DC 3.85V From battery and DC 5.0V From external circuit QPSK C36SM#01 C36SM_HLT_A13M_OVERSEA_V1.0 UMTS Band II, UMTS Band IV, UMTS Band V





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1 SUMMARY

1.1 TEST STANDARDS

The tests were performed according to following standards:

FCC Part 2: FREQUENCY ALLOCA-TIONS AND RADIO TREATY MAT-TERS: GENERAL RULES AND REG-ULATIONS FCC Part 22 Subpart H: PRIVATE LAND MOBILE RADIO SERVICES. FCC Part 24 Subpart E: PUBLIC MOBILE SERVICES FCC Part 27: MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES ANSI/TIA-603-E-2016: Land Mobile FM or PM Communications Equipment Measurement and Performance Standards. ANSI C63.10-2013 Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz FCCKDB971168D01 Power Meas License Digital Systems

1.2 Test Description

1.2 Test Description	ESTING	
Test Item	Section in CFR 47	Result
RF Output Power	Part 2.1046 Part 22.913 (a)(2) Part 24.232 (c) Part 27.50(d)	Pass
Peak-to-Average Ratio	Part 24.232 (d) Part 27.50(d)	Pass
99% & -26 dB Occupied Bandwidth	Part 2.1049 Part 22.917 Part 24.238	NG Pass
Spurious Emissions at Antenna Terminal	Part 2.1051 Part 22.917 (a) Part 24.238 (a) Part 27.53(h)	Pass
Field Strength of Spurious Radiation	Part 2.1053 Part 22.917 (a) Part 24.238 (a) Part 27.53(h)	Pass
Out of band emission, Band Edge	Part 22.917 (a) Part 24.238 (a) Part 27.53(h)	Pass
Frequency stability	Part 2.1055 Part 22.355 Part 24.235 Part 27.54	Pass

1.3 Address of the test laboratory

Shenzhen CTA Testing Technology Co., Ltd. Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 and CISPR 16-1-4:2010 CTATEST SVSWR requirement for radiated emission above 1GHz.

1.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations: STING

Shenzhen CTA Testing Technology Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

Industry Canada Registration Number. Is: 27890 CAB identifier: CN0127

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing.

A2LA-Lab Cert. No.: 6534.01

Shenzhen CTA Testing Technology Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.10 and CISPR 16-1-4:2010.

1.5 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01" Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement characteristics; Part 2 " and is documented in the Shenzhen CTA Testing Technology Co., Ltd. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device. Hereafter the best measurement capability for Shenzhen CTA Testing Technology Co., Ltd. :

Test	Range	Measuremen t Uncertainty	Notes
Radiated Emission	9KHz~30MHz	3.02 dB	(1)
Radiated Emission	30~1000MHz	4.06 dB	(1)
Radiated Emission	1~18GHz	5.14 dB	(1)
Radiated Emission	18-40GHz	5.38 dB	(1)
Conducted Disturbance	0.15~30MHz 🤍	2.14 dB	(1)
Output Peak power	30MHz~18GHz	0.55 dB	(1)
Power spectral density	/	0.57 dB	(1)
Spectrum bandwidth	/	1.1%	(1)
Radiated spurious emission (30MHz-1GHz)	30~1000MHz	4.10 dB	(1)
Radiated spurious emission (1GHz-18GHz)	1~18GHz	4.32 dB	(1)
Radiated spurious emission (18GHz-40GHz)	18-40GHz	5.54 dB	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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GENERAL INFORMATION 2

2.1 Environmental conditions

:	Apr. 11, 2024
	. 6
:	Apr. 11, 2024
	TES
C	May 27, 2024

ATESTING During the measurement the environmental conditions were within the listed ranges:

	CTA .		
During the measurement the environmental co	onditions were within the listed ranges:		
Normal Temperature:	25°C	- 5	
Relative Humidity:	55 %	(eth)	
Air Pressure:	101 kPa	And the second state	

2.2 General Description of EUT

	<u>c</u>
Product Name:	Global 4G Pocket WiFi
Model/Type reference:	SLG-06
Power supply:	DC 3.85V From battery and DC 5.0V From external circuit
Adapter information (Auxiliary test supplied by test Lab):	Model: EP-TA20CBC Input: AC 100-240V 50/60H Output: DC 5V 2A
Testing sample ID :	CTA240507006-1# (Engineer sample) CTA240507006-2# (Normal sample)
WCDMA	
Operation Band:	FDD Band II & Band IV & Band V
Power Class:	Power Class 3
Modilation Type:	QPSK for WCDMA/HSUPA/HSDPA,16QAM for HSPA+
Release Version:	R8
Antenna type:	PIFA antenna
Antenna gain:	FDD Band II: 1.0dBi FDD Band IV: 1.0dBi FDD Band V: 1.0dBi
Note: For more details, refer to	the user's manual of the EUT.
	the user's manual of the EUT.



The EUT has been tested under typical operating condition. The CUM200 used to control the EUT staying in continuous transmitting and receiving mode for testing. Regards to the frequency band operation : the lowest, middle and highest frequency of channel were selected to perform the test, CTATES then shown on this report. TING

Test Frequency:

	FDD E	Band II	FDD Band IV		FDD Band V	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
	9262	1852.4	1312	1712.4	4132	826.40
	9400	1880.0	1413	1732.6	4182	836.60
7	9538	1907.6	1513	1752.6	4233	846.60
l	Test Modes:	CTATE	D .	CTIN	3	

Test Modes:

The test mode(s) are selected according to relevant radio technology specifications.				
Test Mode	Test Modes Description			
Mode 1	WCDMA system, QPSK modulation			
Mode 2	HSDPA system, QPSK modulation			
Mode 3	HSUPA system, QPSK modulation			
Noto				

Note:

 As HSDPA and HSUPA with the same emission designator, test result recorded in this report at the worst case Mode 4 with RCM 12.2Kbps only after exploratory scan. CTATEST

2.4 Equipments Used during the Test

		GIA			age 8 of 35
2.4 Equipments	Used during the	Test			
Test Equipment	Manufacturer	Model No.	Equipment No.	Calibration Date	Calibratio
LISN	R&S	ENV216	CTA-308	2023/08/02	2024/08/
LISN	R&S	ENV216	CTA-314	2023/08/02	2024/08/
EMI Test Receiver	R&S	ESPI	CTA-307	2023/08/02	2024/08/
EMI Test Receiver	R&S	ESCI	CTA-306	2023/08/02	2024/08/
Spectrum Analyzer	Agilent	N9020A	CTA-301	2023/08/02	2024/08/
Spectrum Analyzer	R&S	FSP	CTA-337	2023/08/02	2024/08/
Vector Signal generator	Agilent	N5182A	CTA-305	2023/08/02	2024/08/
Analog Signal 🔍 Generator	R&S	SML03	CTA-304	2023/08/02	2024/08/
Universal Radio Communication	CMW500	R&S	CTA-302	2023/08/02	2024/08/
Temperature and humidity meter	Chigo	ZG-7020	CTA-326	2023/08/02	2024/08/
Ultra-Broadband Antenna	Schwarzbeck	VULB9163	CTA-310	2021/08/07	2024/08/
Horn Antenna	Schwarzbeck	BBHA 9120D	CTA-309	2021/08/07	2024/08/
Loop Antenna	Zhinan	ZN30900C	CTA-311	2021/08/07	2024/08/
Horn Antenna	Beijing Hangwei Dayang	OBH100400	CTA-336	2021/08/07	2024/08/
Amplifier	Schwarzbeck	BBV 9745	CTA-312	2023/08/02	2024/08/
Amplifier	Taiwan chengyi	EMC051845B	CTA-313	2023/08/02	2024/08/
Directional coupler	NARDA	4226-10	CTA-303	2023/08/02	2024/08/
High-Pass Filter	XingBo	XBLBQ-GTA18	CTA-402	2023/08/02	2024/08/
High-Pass Filter	XingBo	XBLBQ-GTA27	CTA-403	2023/08/02	2024/08/
Automated filter bank	Tonscend	JS0806-F	CTA-404	2023/08/02	2024/08/
Power Sensor	Agilent	U2021XA	CTA-405	2023/08/02	2024/08/
120	Schwarzbeck	BBV9719	CTA-406	2023/08/02	2024/08/

Test Equipment Manufact	urer Model No.	Version	Calibration	Calibration
		number	Date	Due Date
EMI Test Software	nd TS®JS32-RE	5.0.0.2	N/A	N/A
EMI Test Software Tonscer	nd TS®JS32-CE	5.0.0.1	N/A	N/A
RF Test Software Tonscer	nd TS®JS1120-3	3.1.65	N/A	N/A
RF Test Software Tonscer	nd TS®JS1120	3.1.46	N/A	N/A

2.5 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for filing to comply with of the FCC Part 22 and Part 24 and Part 27 Rules.

2.6 Modifications

No modifications were implemented to meet testing criteria.

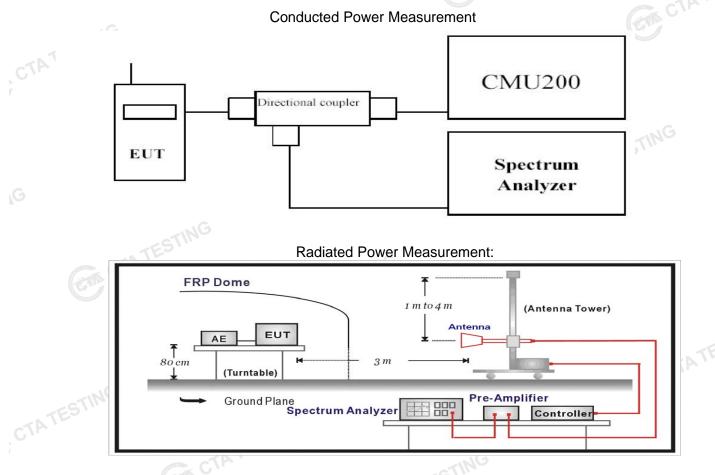
3 **TEST CONDITIONS AND RESULTS**

3.1 Output Power

LIMIT

WCDMA Band V: 7W WCDMA Band II: 2W WCDMA Band IV: 1W The Peak-to-Average Ratio (PAR) of the transmission may not exceed 13 Db.

TEST CONFIGURATION



TEST PROCEDURE

The EUT was setup according to EIA/TIA 603C

Conducted Power Measurement:

- Place the EUT on a bench and set it in transmitting mode. a)
- Connect a low loss RF cable from the antenna port to a spectrum analyzer and CMU200 by a b) Directional Couple.
- EUT Communicate with CMU200 then selects a channel for testing. c)
- Add a correction factor to the display of spectrum, and then test. d)

Radiated Power Measurement:

- The EUT shall be placed at the specified height on a support, and in the position closest to a) CTATEST normal use as declared by provider.
- The test antenna shall be oriented initially for vertical polarization and shall be chosen to b) correspond to the frequency of the transmitter
- c) The output of the test antenna shall be connected to the measuring receiver.

- The transmitter shall be switched on and the measuring receiver shall be tuned to the frequency d) of the transmitter under test.
- The test antenna shall be raised and lowered through the specified range of height until a e) maximum signal level is detected by the measuring receiver.
- The transmitter shall then be rotated through 360° in the horizontal plane, until the maximum f) signal level is detected by the measuring receiver.
- The test antenna shall be raised and lowered again through the specified range of height until a g) maximum signal level is detected by the measuring receiver.
- h) The maximum signal level detected by the measuring receiver shall be noted.
- i)
- The substitution antenna shall be orientated for vertical polarization and the length of the substitution antenna shall be adjusted to correspond to the frequency of the transmission of transmis j)
- The substitution antenna shall be connected to a calibrated signal generator. k)
- CTPI) If necessary, the input attenuator setting of the measuring receiver shall be adjusted in order to increase the sensitivity of the measuring receiver.
 - The test antenna shall be raised and lowered through the specified range of height to ensure m) that the maximum signal is received.
 - The input signal to the substitution antenna shall be adjusted to the level that produces a level n) detected by the measuring receiver, that is equal to the level noted while the transmitter radiated power was measured, corrected for the change of input attenuator setting of the measuring receiver.
 - The measurement shall be repeated with the test antenna and the substitution antenna **o**) orientated for horizontal polarization.
 - The measure of the effective radiated power is the larger of the two levels recorded at the input p) to the substitution antenna, corrected for gain of the substitution antenna if necessary. CTA TESTING

Conducted Measurement:

0603		P CTP	Page 12 of 35
ent:		<u>Co</u>	. .
Band	FDL	•	Bm)
ARFCN	9262	9400	9538
12.2kbps RMC	23.70	23.55	23.75
Sub – Test 1	21.57	21.64	21.45
Sub – Test 2	21.20	21.09	21.04
Sub – Test 3	20.55	20.64	20.48
Sub – Test 4	20.55	20.48	20.37
Sub – Test 1	21.07	20.88	20.74
Sub – Test 2	21.42	21.25	21.42
Sub – Test 3	20.36	20.42	20.60
Sub – Test 4	20.11	20.05	20.00
Sub – Test 5	21.37	21.53	21.63
-NTES.	. C.		
	Band	Band FDD ARFCN 9262 12.2kbps RMC 23.70 Sub – Test 1 21.57 Sub – Test 2 21.20 Sub – Test 3 20.55 Sub – Test 4 20.55 Sub – Test 1 21.07 Sub – Test 2 21.42 Sub – Test 3 20.36 Sub – Test 4 20.11 Sub – Test 5 21.37	ent: Band FDD Band II result (dl Test Channel ARFCN 9262 9400 12.2kbps RMC 23.70 23.55 Sub – Test 1 21.57 21.64 Sub – Test 2 21.20 21.09 Sub – Test 3 20.55 20.64 Sub – Test 4 20.55 20.48 Sub – Test 1 21.07 20.88 Sub – Test 2 21.42 21.25 Sub – Test 3 20.36 20.42 Sub – Test 4 20.11 20.05

	Dond	FDD Band IV result (dBm)					
ltem	Band	Test Channel					
	ARFCN	1312	1412	1513			
RMC	12.2kbps RMC	23.67	23.81	23.77			
HSDPA	Sub - Test 1	21.40	21.84	21.49			
	Sub - Test 2	21.29	21.15	21.16			
	Sub - Test 3	20.51	20.48	20.52			
	Sub - Test 4	20.61	20.62	20.36			
	Sub - Test 1	21.17	20.75	20.74			
	Sub - Test 2	21.60	21.21	21.46			
HSUPA	Sub - Test 3	20.35	20.39	20.47			
	Sub - Test 4	20.27	20.09	19.99			
	Sub - Test 5	21.30	21.45	21.72			

	Band	FDD B	and V result (d	Bm)
Item	Band		Test Channel	
	ARFCN	4132	4183	4233
RMC	12.2kbps RMC	23.03	22.94	23.09
	Sub - Test 1	21.51	21.45	21.47
Церра	Sub - Test 2	21.36	21.25	20.88
HSDPA	Sub - Test 3	20.39	20.71	20.39
	Sub - Test 4	20.43	20.44	20.49
	Sub - Test 1	21.09	20.94	20.69
	Sub - Test 2	21.54	21.46	21.21
HSUPA	Sub - Test 3	20.51	20.57	20.55
	Sub - Test 4	19.93	20.18	20.01
	Sub - Test 5	21.26	21.70	21.51
CTATEST			TESTING	

Radiated Measurement:

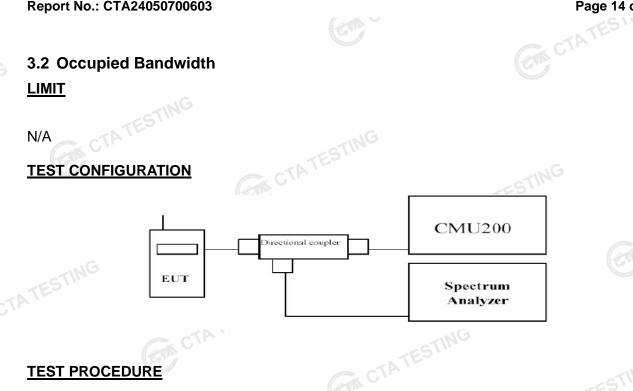
Note: 1. The field strength of radiation emission was measured in the following position: EUT standup position (Zaxis), lie-down position (X, Y axis). The data show in this report only with the worst case setup. After exploratory measurement the worst case of Z axis was reported. Note: 2. We test the H direction and V direction and V direction is worse.

GA C			WCI	OMA BANI				
Channel	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Ag} (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
9262	-17.77	3.41	10.24	33.6	22.66	33.01	-10.35	V
9400	-18.78	3.49	10.24	33.6	21.57	33.01	-11.44	Vcth
9538	-18.01	3.55	10.23	33.6	22.27	33.01	-10.74	V
STING								Constant of the second se
ATES		-	WCE	MA BAND				
		1	C	1				

Channel	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	P _{Ag} (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1312	-18.07	3.15	9.58	33.6	21.96	30.00	-8.04	V
1413	-17.58	3.17	9.62	33.6	22.47	30.00	-7.53	SIV
1513	-18.87	3.26	9.71	33.6	21.18	30.00	-8.82	V
					v			

				WCDMA I	BAND V				
Channel	P _{Mea} (dBm)	P _{cl} (dB)	G _a Antenna Gain(dB)	Correction (dB)	P _{Ag} (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
4132	-18.89	2.42	8.45	36.82	2.15	21.81	38.45	-16.64	V
4183	-17.44	2.46	8.45	36.82	2.15	23.22	38.45	-15.23	V
4233	-17.92	2.53	8.36	36.82	2.15	22.58	38.45	-15.87	V
Remark: 1. EIRP=	⊧P _{Mea} (dBn	n)-P _{cl} (dl	3)+P _{Ag} (dB)+	-G _a (dBi)		CC	TATES		

2. ERP = EIRP - 2.15dBi as EIRP by subtracting the gain of the dipole.



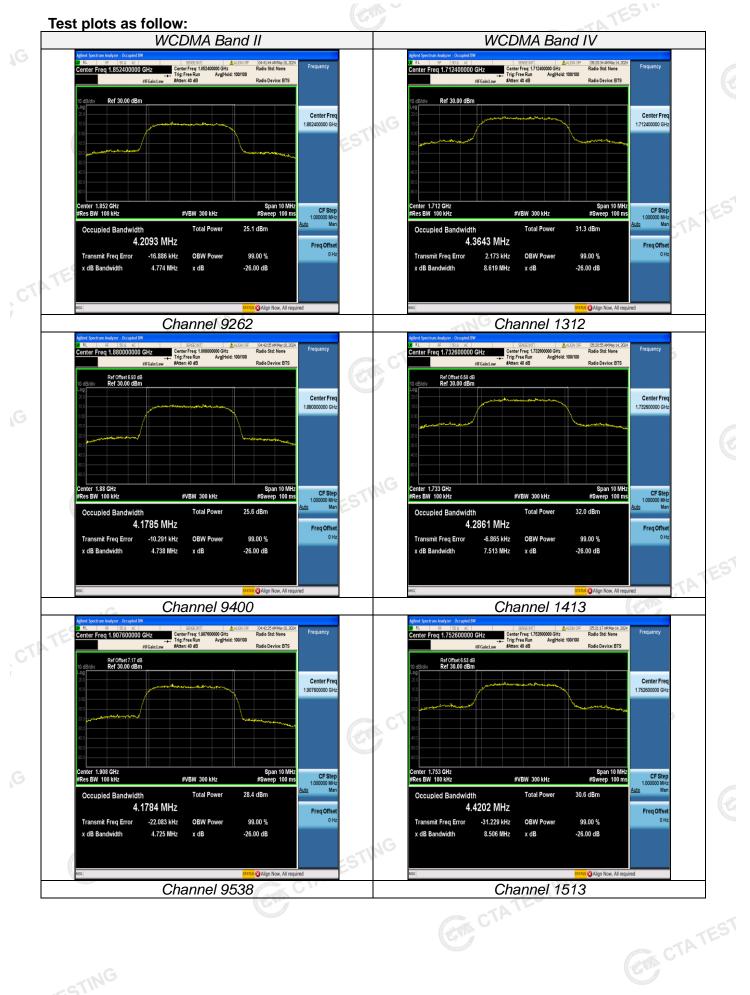
TEST PROCEDURE

- The EUT's output RF connector was connected with a short cable to the spectrum analyzer 1.
- RBW was set to about 1% of emission BW, VBW≥3 times RBW. 2.
- 3. -26dBc display line was placed on the screen (or 99% bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace.

EUT Mode	Channel	Frequency (MHz)	99% Occupy bandwidth (MHz)	-26dB bandwidth (MHz)
	9262	1852.4	4.2093	4.774
WCDMA Band II (QPSK)	9400	1880.0	4.1785	4.738
	9538	1907.6	4.1784	4.725
ING	1312	1712.4	4.3643	8.619
WCDMA Band VI	1413	1732.6	4.2861	7.513
(QPSK)	1513	1752.6	4.4202	8.506
	4132	826.4	4.1504	4.671
WCDMA Band V (QPSK)	4183	836.6	4.1511	4.669
	4233	846.6	4.1520	4.682
		0	Gr	CTA

TEST RESULTS

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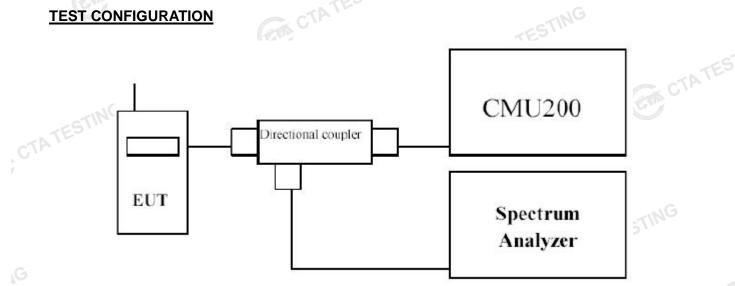


3.3 Band Edge compliance

LIMIT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log (P) dB.

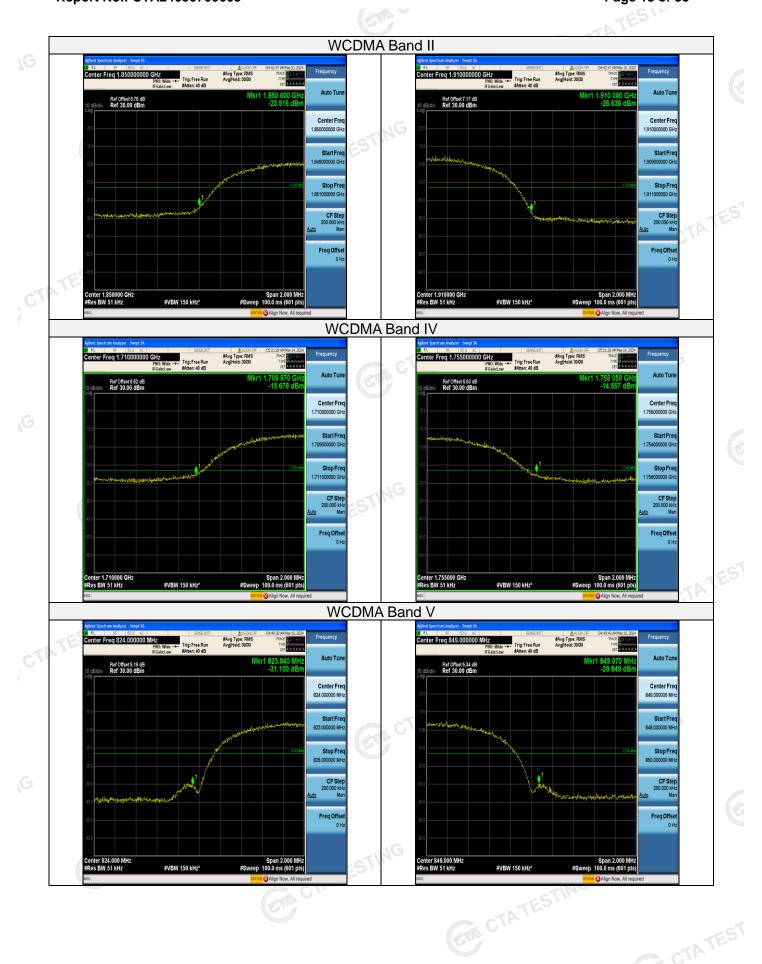
TEST CONFIGURATION



TEST PROCEDURE

In the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter CTATES may be employed to measure the out of band Emissions.

TEST RESULTS



TESTING

STING

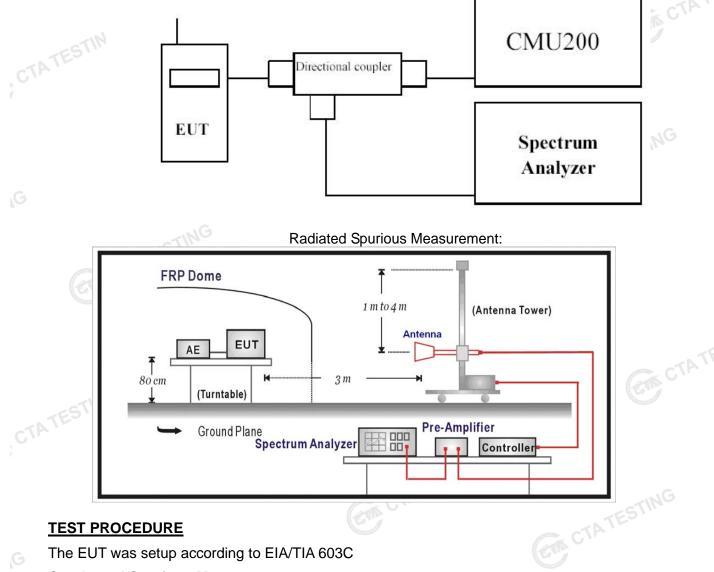
3.4 Spurious Emission

LIMIT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log (P) dB.

TEST CONFIGURATION





TEST PROCEDURE

The EUT was setup according to EIA/TIA 603C

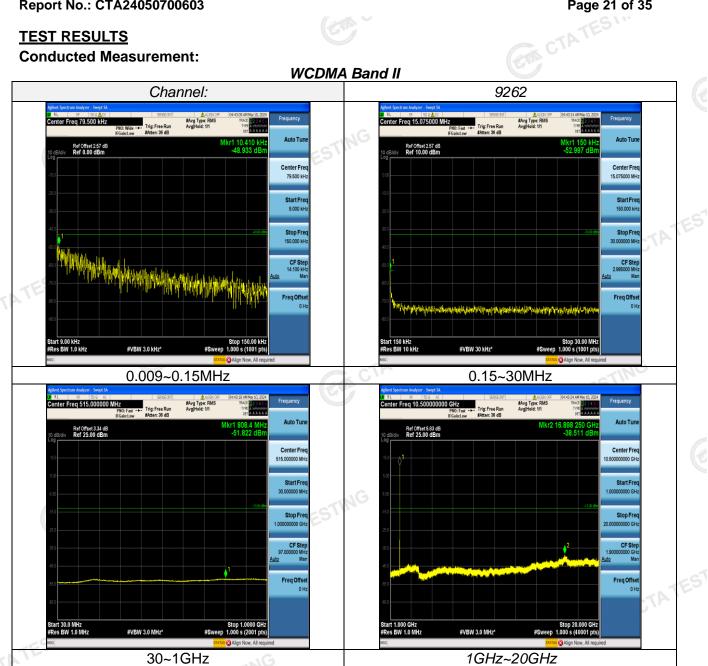
Conducted Spurious Measurement:

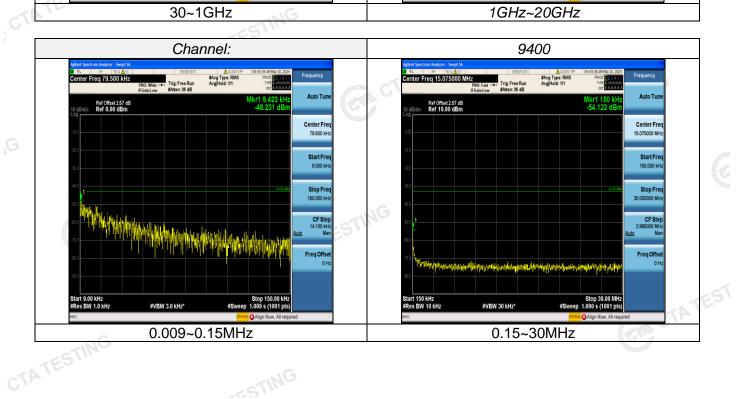
- Place the EUT on a bench and set it in transmitting mode. a)
- b) Connect a low loss RF cable from the antenna port to a spectrum analyzer and CMU200 by a Directional Couple.
- EUT Communicate with CMU200 then selects a channel for testing. c)
- Add a correction factor to the display of spectrum, and then test. d)
- The resolution bandwidth of the spectrum analyzer was set at 1MHz for Part 22 and 1MHz for Part 24 sufficient scans were taken to above the sufficient of the set of e) Part 24, sufficient scans were taken to show the out of band Emission if any up to10th harmonic.
- **Radiated Spurious Measurement:** STING

- a) The EUT shall be placed at the specified height on a support, and in the position closest to normal use as declared by provider.
- b) The test antenna shall be oriented initially for vertical polarization and shall be chosen to correspond to the frequency of the transmitter
- c) The output of the test antenna shall be connected to the measuring receiver.
- d) The transmitter shall be switched on and the measuring receiver shall be tuned to the frequency of the transmitter under test.
- e) The test antenna shall be raised and lowered through the specified range of height until a maximum signal level is detected by the measuring receiver.
- f) The transmitter shall then be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.
- g) The test antenna shall be raised and lowered again through the specified range of height until a maximum signal level is detected by the measuring receiver.
- h) The maximum signal level detected by the measuring receiver shall be noted.
- i) The transmitter shall be replaced by a substitution antenna.
 - j) The substitution antenna shall be orientated for vertical polarization and the length of the substitution antenna shall be adjusted to correspond to the frequency of the transmitter.
 - k) The substitution antenna shall be connected to a calibrated signal generator.
 - I) If necessary, the input attenuator setting of the measuring receiver shall be adjusted in order to increase the sensitivity of the measuring receiver.
 - m) The test antenna shall be raised and lowered through the specified range of height to ensure that the maximum signal is received.
 - n) The input signal to the substitution antenna shall be adjusted to the level that produces a level detected by the measuring receiver, that is equal to the level noted while the transmitter radiated power was measured, corrected for the change of input attenuator setting of the measuring receiver.
 - o) The measurement shall be repeated with the test antenna and the substitution antenna orientated for horizontal polarization.
 - p) The measure of the effective radiated power is the larger of the two levels recorded at the input to the substitution antenna, corrected for gain of the substitution antenna if necessary.
 - q) The resolution bandwidth of the spectrum analyzer was set at 100 kHz for Part 22 and 1MHz for Part 24. The frequency range was checked up to 10th harmonic.

TEST RESULTS

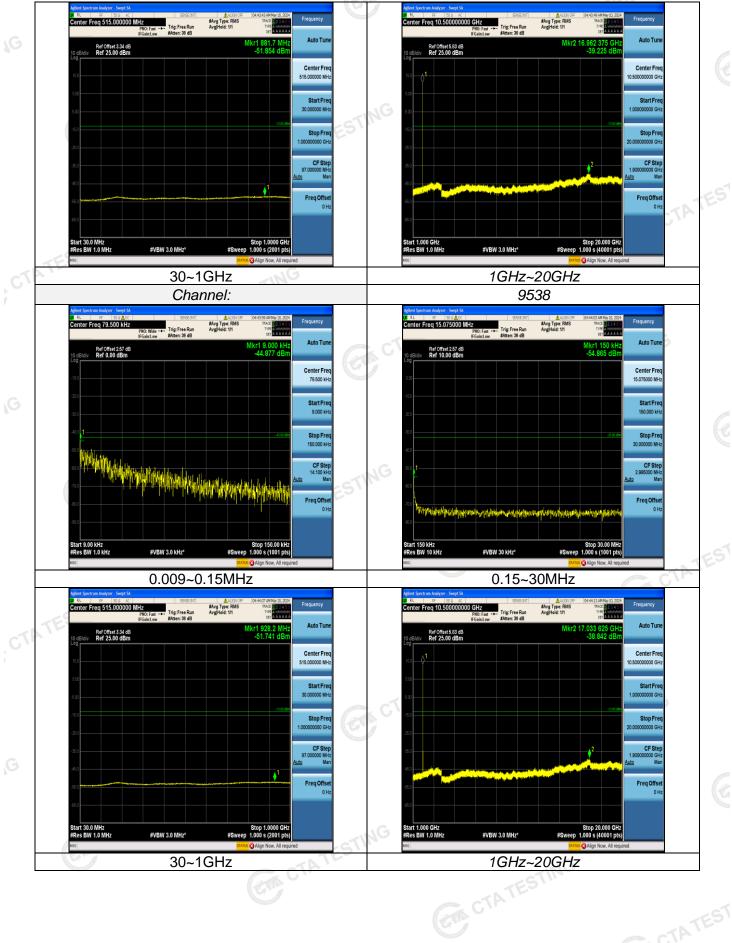
Conducted Measurement:





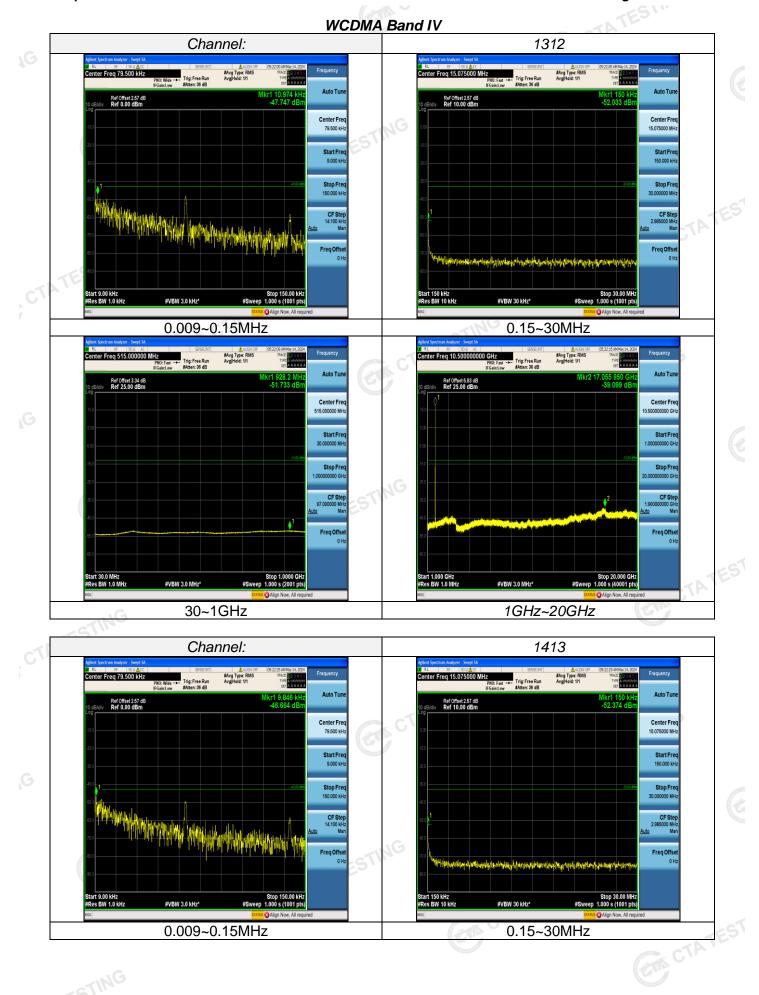
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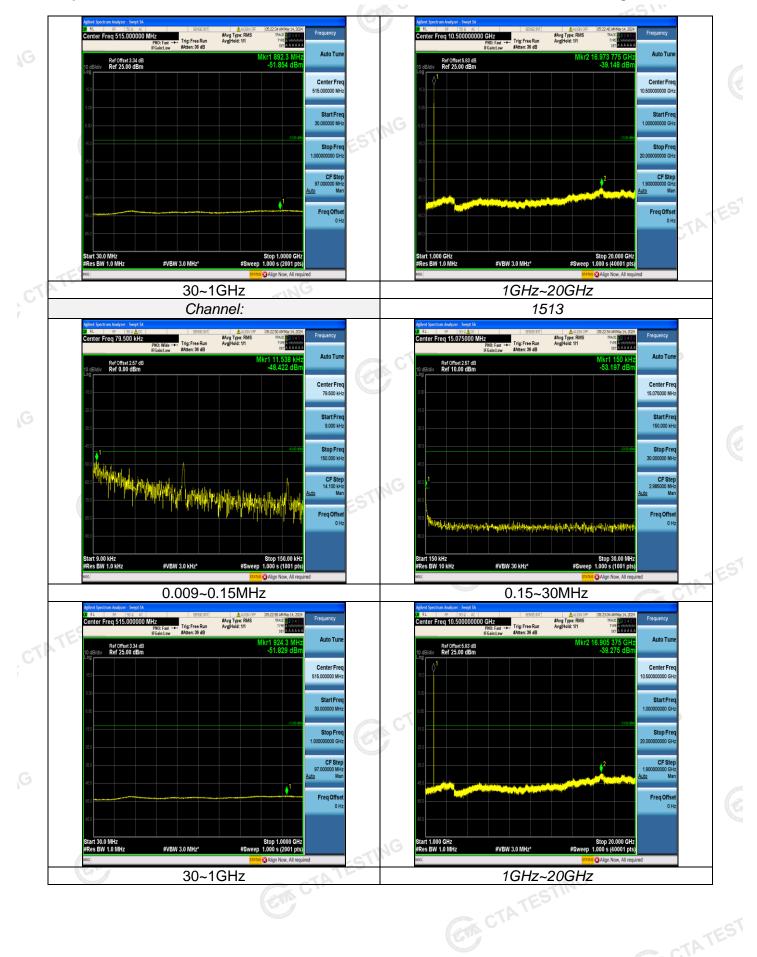


TATESTING

GM C

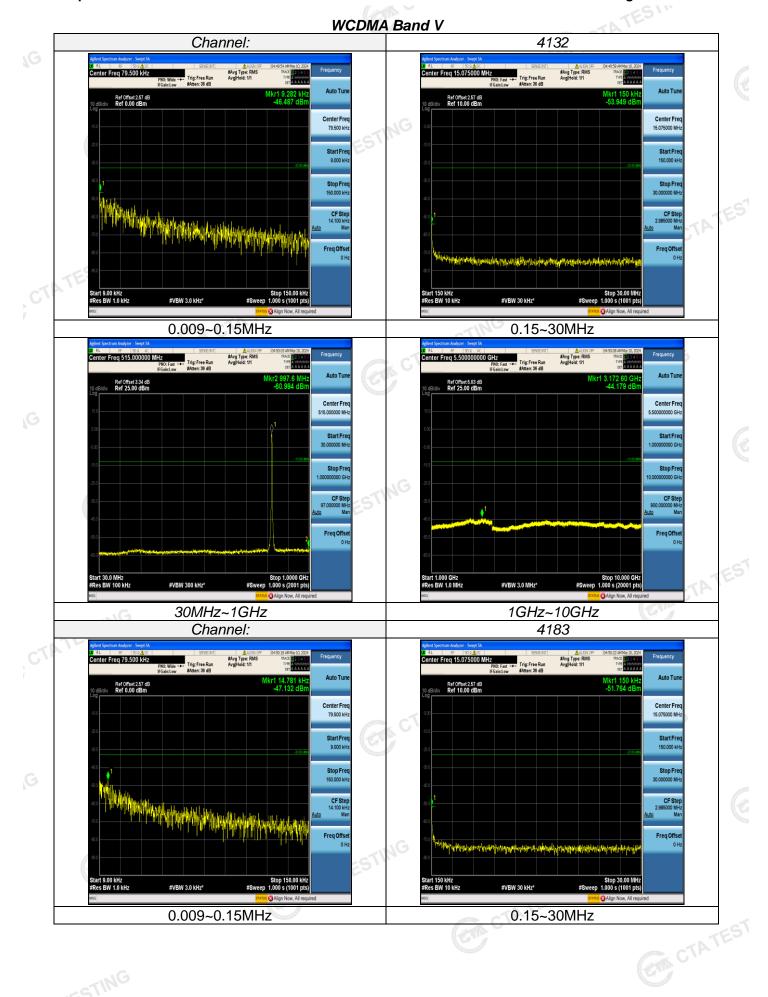






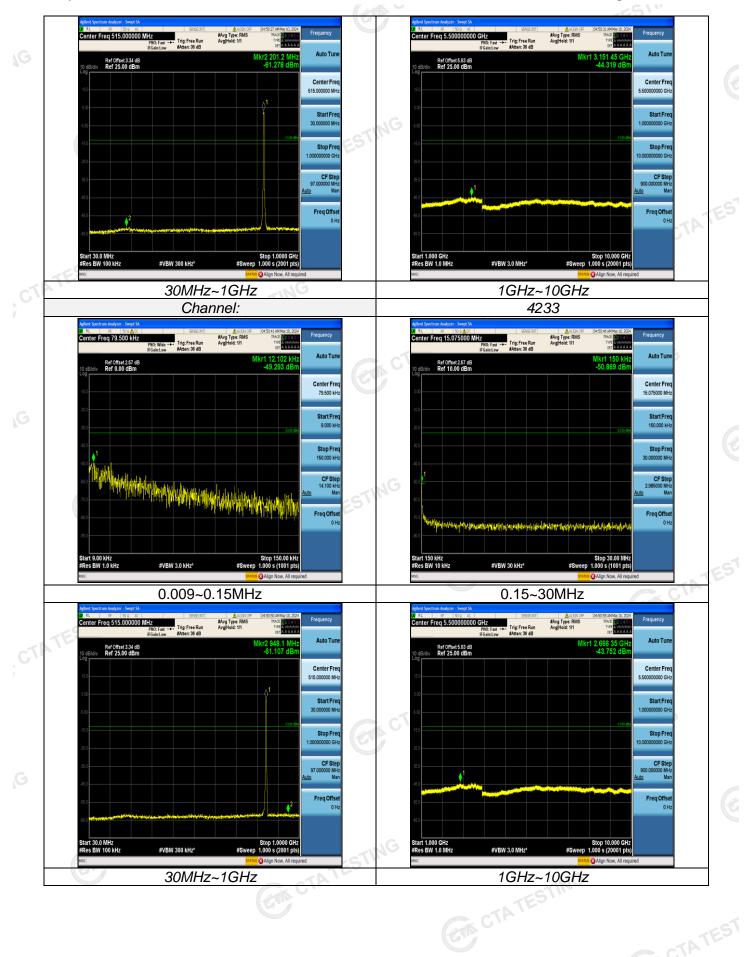
TATESTING

GTING









TATESTING

Radiated Measurement:

WCDMA Band II

	Measureme			WCDM	A Band II				
Channel	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
	3704.80	-39.96	4.27	3.00	12.34	-31.89	-13.00	-18.89	Н
0262	5557.20	-44.03	4.99	3.00	13.52	-35.50	-13.00	-22.50	Н
9262	3704.80	-38.71	4.27	3.00	12.34	-30.64	-13.00	-17.64	V
	5557.20	-41.42	4.99	3.00	13.52	-32.89	-13.00	-19.89	V
	3760.00	-38.96	4.38	3.00	12.34	-31.00	-13.00	-18.00	Н
9400	5640.00	-43.37	5.01	3.00	13.58	-34.80	-13.00	-21.80	H
9400	3760.00	-36.25	4.38	3.00	12.34	-28.29	-13.00	-15.29	VG
-iN!	3 5640.00	-41.54	5.01	3.00	13.58	-32.97	-13.00	-19.97	V
TESTIC	3815.20	-38.18	4.47	3.00	12.45	-30.20	-13.00	-17.20	Н
0529	5722.80	-43.01	5.23	3.00	13.66	-34.58	-13.00	-21.58	Н
9538	3815.20	-36.75	4.47	3.00	12.45	-28.77	-13.00	-15.77	V
	5722.80	-40.34	5.23	3.00	13.66	-31.91	-13.00	-18.91	V

WCDMA Band IV

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Distance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3424.80	-38.97	3.98	3.00	10.98	-31.97	-13.00	-18.97	Н
5137.20	-43.11	4.11	3.00	11.47	-35.75	-13.00	-22.75	Н
3424.80	-36.65	3.98	3.00	10.98	-29.65	-13.00	-16.65	V
5137.20	-40.58	4.11	3.00	11.47	-33.22	-13.00	-20.22	V
3465.20	-38.42	4.01	3.00	11.25	-31.18	-13.00	-18.18	Н
5197.80	-41.41	4.15	3.00	11.58	-33.98	-13.00	-20.98	Н
3465.20	-36.19	4.01	3.00	11.25	-28.95	-13.00	-15.95	V
5197.80	-38.77	4.15	3.00	11.58	-31.34	-13.00	-18.34	V
3505.20	-38.13	4.07	3.00	11.33	-30.87	-13.00	-17.87	H
[©] 5275.80	-41.78	4.21	3.00	11.67	-34.32	-13.00	-21.32	Ч
3505.20	-35.38	4.07	3.00	11.33	-28.12	-13.00	-15.12	V
5275.80	-40.05	4.21	3.00	11.67	-32.59	-13.00	-19.59	V
(cr	CTAT		e	CTATE	STING		TAT	ESTING
	(MHz) 3424.80 5137.20 3424.80 5137.20 3465.20 5197.80 3465.20 5197.80 3505.20 5275.80 3505.20	(MHz)(dBm)3424.80-38.975137.20-43.113424.80-36.655137.20-40.583465.20-38.425197.80-41.413465.20-36.195197.80-38.773505.20-38.135275.80-41.783505.20-35.38	(MHz)(dBm)(dB)3424.80-38.973.985137.20-43.114.113424.80-36.653.985137.20-40.584.113465.20-38.424.015197.80-41.414.153465.20-36.194.015197.80-38.774.153505.20-38.134.075275.80-41.784.213505.20-35.384.07	(MHz)(dBm)(dB)Distance3424.80-38.973.983.005137.20-43.114.113.003424.80-36.653.983.005137.20-40.584.113.005137.20-40.584.113.003465.20-38.424.013.005197.80-41.414.153.003465.20-36.194.013.005197.80-38.774.153.003505.20-38.134.073.005275.80-41.784.213.003505.20-35.384.073.00	Frequency (MHz)PMea (dBm)Pcl (dB)DistanceAntenna Gain(dB)3424.80-38.973.983.0010.985137.20-43.114.113.0011.473424.80-36.653.983.0010.985137.20-40.584.113.0011.473465.20-38.424.013.0011.255197.80-41.414.153.0011.255197.80-36.194.013.0011.255197.80-38.774.153.0011.583505.20-38.134.073.0011.335275.80-41.784.213.0011.335275.80-35.384.073.0011.33	Prequency (MHz)PMea (dBm)Pcl (dB)DistanceAntenna Gain(dB)EIRP (dBm)3424.80-38.973.983.0010.98-31.975137.20-43.114.113.0011.47-35.753424.80-36.653.983.0010.98-29.655137.20-40.584.113.0011.47-33.223465.20-38.424.013.0011.25-31.185197.80-41.414.153.0011.25-39.833465.20-36.194.013.0011.25-28.955197.80-38.774.153.0011.33-30.875275.80-41.784.213.0011.33-30.875275.80-41.784.213.0011.33-28.123505.20-35.384.073.0011.33-28.123505.20-35.384.073.0011.33-28.12	Prequency (MHz)PMea (dBm)PCI (dB)DistanceAntenna Gain(dB)EIRP (dBm)LImit (dBm)3424.80-38.973.983.0010.98-31.97-13.005137.20-43.114.113.0011.47-35.75-13.003424.80-36.653.983.0010.98-29.65-13.003424.80-36.653.983.0010.98-29.65-13.005137.20-40.584.113.0011.47-33.22-13.005137.20-40.584.013.0011.25-31.18-13.005197.80-41.414.153.0011.58-33.98-13.005197.80-36.194.013.0011.25-28.95-13.005197.80-38.134.073.0011.33-30.87-13.005275.80-41.784.213.0011.67-34.32-13.005275.80-40.054.213.0011.67-32.59-13.005275.80-40.054.213.0011.67-32.59-13.00	Prequency (MHz)PMea (dBm)PCI (dBm)Distance (dB)Antenna Gain(dB)EIRP (dBm)LImit (dBm)Margin (dB)3424.80-38.973.983.0010.98-31.97-13.00-18.975137.20-43.114.113.0011.47-35.75-13.00-22.753424.80-36.653.983.0010.98-29.65-13.00-22.753424.80-36.653.983.0010.98-29.65-13.00-16.655137.20-40.584.113.0011.47-33.22-13.00-20.223465.20-38.424.013.0011.25-31.18-13.00-20.983465.20-36.194.013.0011.58-33.98-13.00-20.983465.20-36.194.013.0011.58-31.34-13.00-15.955197.80-38.134.073.0011.33-30.87-13.00-17.875275.80-41.784.213.0011.33-30.87-13.00-21.323505.20-35.384.073.0011.33-28.12-13.00-21.323505.20-35.384.073.0011.33-28.12-13.00-15.123505.20-35.384.073.0011.33-28.12-13.00-15.12

Reporting		00000			ars. ~			14	
				WCDM.	A Band V				
Channel	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
	1652.80	-35.83	3.02	3.00	9.58	-29.27	-13.00	-16.27	Н
9262	2479.20	-40.66	3.51	3.00	10.72	-33.45	-13.00	-20.45	Н
9202	1652.80	-34.28	3.02	3.00	9.68	-27.62	-13.00	-14.62	V
	2479.20	-39.08	3.51	3.00	10.72	-31.87	-13.00	-18.87	V
No. of Concession, Name	1673.20	-36.31	3.14	3.00	9.61	-29.84	-13.00	-16.84	Н
9400	2509.80	-40.86	3.59	3.00	10.77	-33.68	-13.00	-20.68	Н
9400	1673.20	-35.01	3.14	3.00	9.61	-28.54	-13.00	-15.54	V
	2509.80	-38.81	3.59	3.00	10.77	-31.63	-13.00	-18.63	V
	1693.20	-36.07	3.24	3.00	9.77	-29.54	-13.00	-16.54	HC
0520	3 2539.80	-40.10	3.65	3.00	10.89	-32.86	-13.00	-19.86	H
9538	1693.20	-34.72	3.24	3.00	9.77	-28.19	-13.00	-15.19	V
15-	2539.80	-37.61	3.65	3.00	10.89	-30.37	-13.00	-17.37	V
Remark:		-	:5711						

Remark:

1. $EIRP=P_{Mea}(dBm)-P_{cl}(dB) + G_a(dBi)$

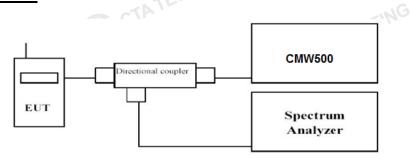
 2. We were not recorded other points as values lower than limits.
 3. Margin = EIRP- Limit CTAT



3.5 Peak-to-Average Ratio (PAR) LIMIT

The Peak-to-Average Ratio (PAR) of the transmission may not exceed 13 dB.

TEST CONFIGURATION



CTATESTING TEST PROCEDURE

1. Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function:

- 2. Set resolution/measurement bandwidth \geq signal's occupied bandwidth;
- 3. Set the number of counts to a value that stabilizes the measured CCDF curve;

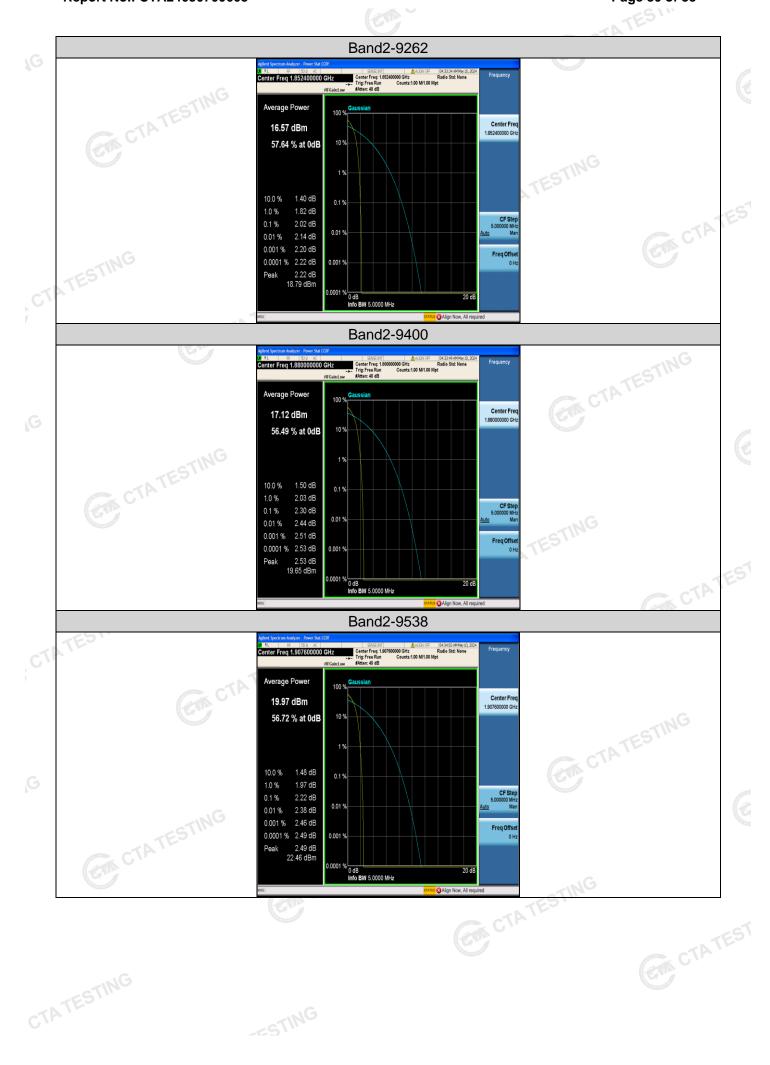
4. Set the measurement interval as follows: 1). for continuous transmissions, set to 1 ms, 2). for burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time that is less than or equal to the burst duration. 5. Record the maximum PAPR level associated with a probability of 0.1%.

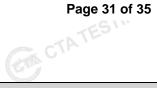
TESTING Frequency PAPR Value Limits Test mode Channel Verdict (MHz) (dB) (dB) 9262 1852.4 2.02 13.0 Pass 2.30 9400 1880.0 13.0 WCDMA Band II Pass 9538 1907.6 2.22 13.0 Pass 1312 1712.4 1.83 13.0 Pass WCDMA Band IV 1413 1732.6 1.94 13.0 Pass 1513 1752.6 1.88 13.0 Pass 4132 3.09 13.0 826.4 Pass 3.05 WCDMA Band V 4183 836.6 13.0 Pass 4233 846.6 3.06 13.0 Pass

TEST RESULTS









CTATES'

CTATEST

CTATEST



Band4-1312

enter Freq 1.712400000 GHz

Frequency

Center Freq

CF Ste 5.00000 MH

Freq Offs

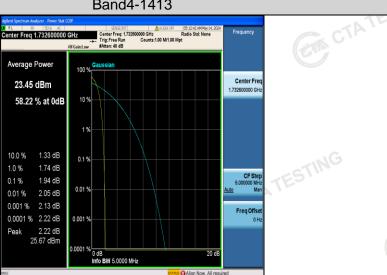
20 dB

Ma <u>Auto</u>

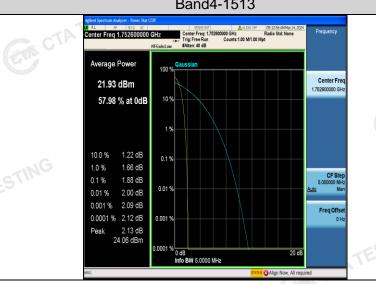
1.712400000 G

TESTING



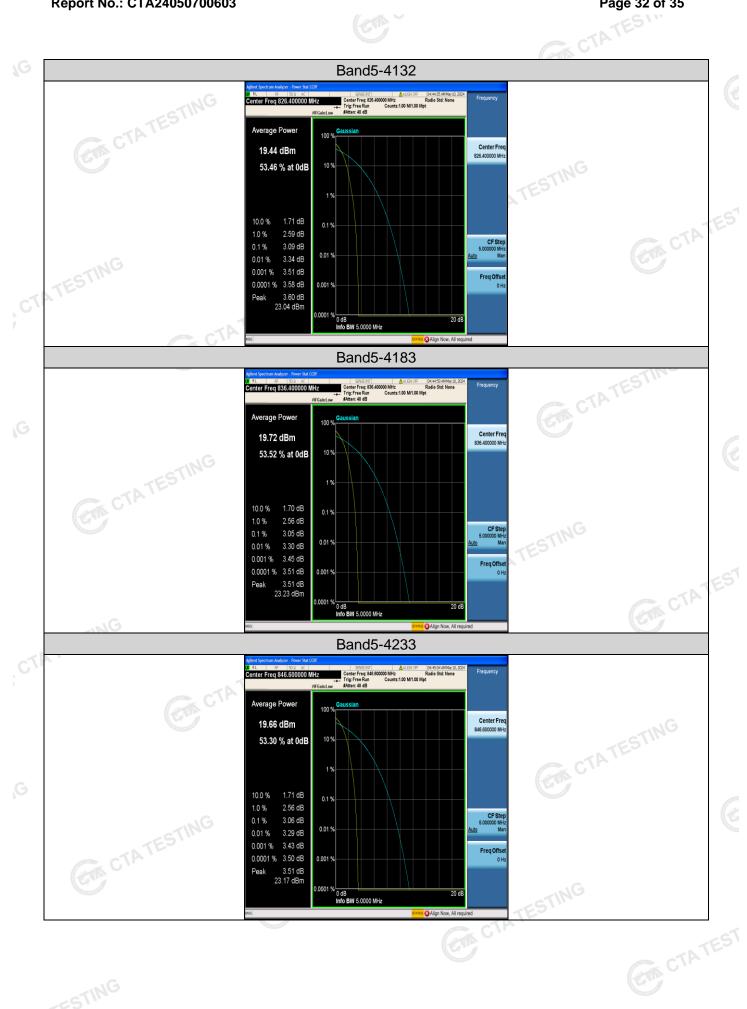


Band4-1513



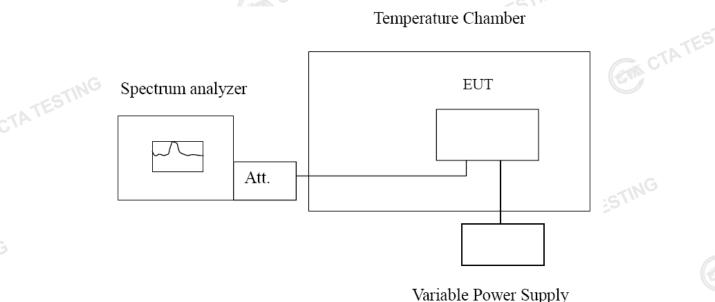
ESTING





Cellular Band: ±2.5ppm PCS Band: Within the authorized frequency block

TEST CONFIGURATION



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TEST PROCEDURE

The EUT was setup according to EIA/TIA 603C

Frequency Stability under Temperature Variations:

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency

as reference frequency. Turn EUT off and set the chamber temperature to -30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.

Frequency Stability under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation (±15%) and endpoint, record the maximum frequency change.

TEST RESULTS

	Temperature	Frequenc	cy error		
Voltage (V)	G (°C)	Hz	ppm	Limit (ppm)	Result
TES	-30	5	0.003		
	-20	-15	-0.008		
	-10	CATEO	0.000	ING	
	0	6	0.003	TESTIN	
3.85	10	15	0.008		
	20	8	0.004	±2.5	Pass
	30	-14	-0.007		GANC
	40	9	0.005		
TES !!	50	-4	-0.002		
4.20	25 TING	-18	-0.010		
End point 3.40	25	-15	-0.008		

λ (alteria (λ ()	Temperature	Frequence	cy error	Lingit (name)	ES
Voltage (V)	(°C)	Hz	ppm	Limit (ppm)	Result
	-30	19	0.011	C.	
	-20	-16	-0.009		
	G -10	8	0.005		
TATEST	0	-17	-0.010		
3.85	10	3	0.002		
	20	O TEO	0.000	±2.5	Pass
	30	-9	-0.005	FSTING	
	40	-6	-0.003		
	50	-1	-0.001		
4.20	25	7	0.004		GAN CT
End point 3.40	25	17	0.010		

λ () ()	Temperature	Frequer	cy error		Result
Voltage (V)	(°C)	Hz	ppm	Limit (ppm)	Result
	-30	13	0.016		CTING
	-20	-10	-0.012	50	TESTING
	-10	-9	-0.011	GTA CTA	
	0	-20	-0.024	G	
3.85	10	-16	-0.019		
	20	9	0.011	±2.5	Pass
	30	-18,6	-0.022		
	40	- 9	0.011		
	50	-9	-0.011	GTING	
4.20	25	2	0.002	TES	
End point 3.40	25	-5	-0.006		
					CTA CTA

4 Test Setup Photos of the EUT







5 External and Internal Photos of the EUT

Reference to the test report No. CTA24050700601.