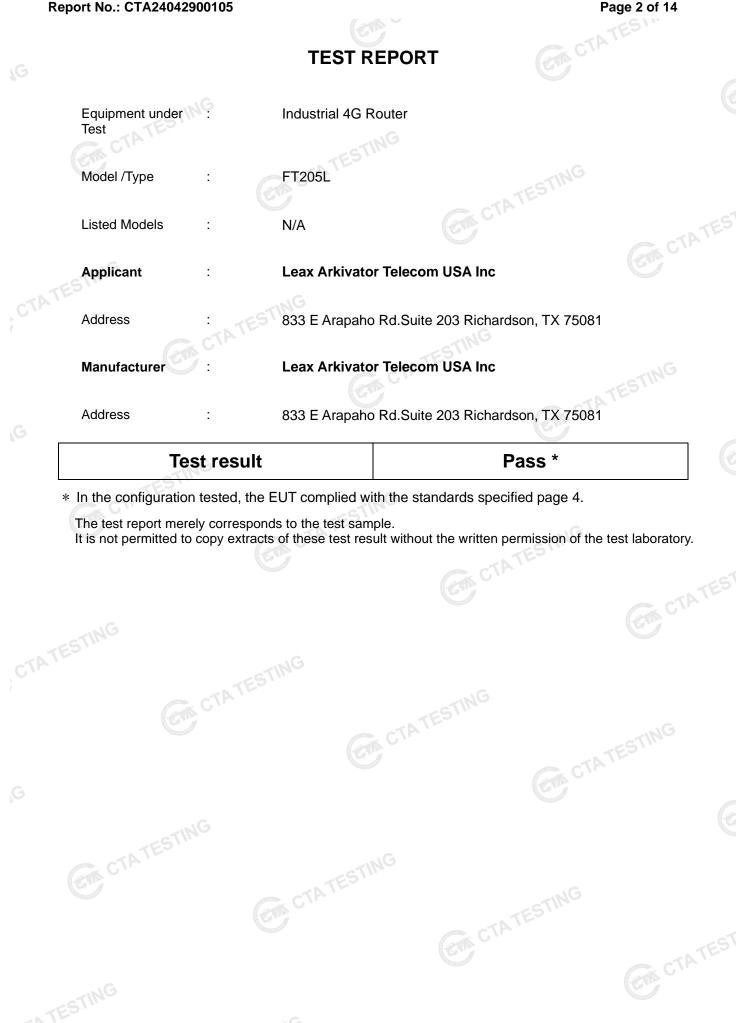


# Shenzhen CTA Testing Technology Co., Ltd.

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

	TEST REPORT
	FCC Part 27
Report Reference No	: CTA24042900105
FCC ID	: 2AVFN-FT205L
Compiled by	Ch Ch
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Approved by	
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Date of issue	: May. 07, 2024
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	Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community
Address	Fuhai Street, Bao'an District, Shenzhen, China
Applicant's name	Leax Arkivator Telecom USA Inc
Address	: 833 E Arapaho Rd.Suite 203 Richardson, TX 75081
Test specification	STING
	FCC CFR Title 47 Part 2, Part 27
	FCC CFK Title 47 Fait 2, Fait 27
Standard	ANSI/TIA-603-E-2016
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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 27 : MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES

ANSI/TIA-603-E-2016: Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.

CTATES' ANSI C63.26-2015: IEEE/ANSI Standard for Compliance Testing of Transmitters Used in Licensed **Radio Services** 

FCCKDB971168D01 Power Meas License Digital Systems

# 1.2 Test Description

Test Item	Section in CFR 47	Result
RF Output Power(Conducted Measurement)	Part 2.1046 Part 27.50(c)(10)	Referring to the FCC ID No: XMR202008EC25AFXD issued by the Testing Lab (TA technology(shanghai) co., Ltd.)
RF Output Power(Radiated Measurement)	Part 2.1046 Part 27.50(c)(10)	Pass
Peak-to-Average Ratio	Part 27.50(d)(4)	Referring to the FCC ID No: XMR202008EC25AFXD issued by the Testing Lab (TA technology(shanghai) co Ltd.)
99% & -26 dB Occupied Bandwidth	Part 2.1049 Part 27.53(h)	Referring to the FCC ID No: XMR202008EC25AFXD issued by the Testing Lab (TA technology(shanghai) co Ltd.)
Spurious Emissions at Antenna Terminal	Part 2.1051 Part 27.53(h)	Referring to the FCC ID No: XMR202008EC25AFXD issued by the Testing Lab (TA technology(shanghai) co. Ltd.)
Field Strength of Spurious Radiation	Part 2.1053 Part 27.53(h)	Pass
Out of band emission, Band Edge	Part 2.1051 Part 27.53(h)	Referring to the FCC ID No: XMR202008EC25AFXD issued by the Testing Lab (TA technology(shanghai) co., Ltd.)
Frequency stability	Part 2.1055 Part 27.54	Referring to the FCC ID No: XMR202008EC25AFXD issued by the Testing Lab (TA technology(shanghai) co. Ltd.)

Note1: the LTE module in this product has already finished the certification (FCC ID: XMR202008EC25AFXD), Reference the results in the original test report.

## 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 SVSWR requirement for radiated emission above 1GHz.

#### 1.4 Test Facility

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

#### FCC-Registration No.: 517856 Designation Number: CN1318

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 of mobile radio equipment 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		G 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) ES
G	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.



#### **GENERAL INFORMATION** 2

# 2.1 Environmental conditions

Date of receipt of test sample	:	Apr. 11, 2024	
-ATES.		10	
Testing commenced on	:	Apr. 11, 2024	
		TES	
Testing concluded on		May. 07, 2024	
-	10		

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

Normal Temperature:	25°C	01
Relative Humidity:	55 %	
Air Pressure:	101 kPa	7

# 2.2 General Description of EUT G

Product Description:	Industrial 4G Router
Model/Type reference:	FT205L
Power supply:	DC 12.0V From external circuit
Adapter information:	Model: GQ12-120100-CU Input: AC 100-240V 50/60Hz 0.4A Output: 12.0V 1.0A
Testing sample ID :G	CTA240429001-1# (Engineer sample),
resulty sample ID .	CTA240429001-2# (Normal sample)
LTE	
Operation Band:	E-UTRA Band 12
Support Bandwidth:	Band 12: 1.4MHz, 3MHz, 5MHz, 10MHz,
TX/RXFrequency Range:	E-UTRA Band 12(699 MHz -716MHz)
Modulation Type:	QPSK, 16QAM
Release Version:	Release 9
Category:	Cat 4
Antenna Type:	External antenna
Antenna Gain:	Band 12: 8.734dBi
Note: For more details, refer to	the user's manual of the EUT.

# 2.3 Description of Test Modes and Test Frequency

The EUT has been tested under typical operating condition. The CMW500 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, then shown on this report.

# 2.4 Equipments Used during the Test

Test Equipment	Test Equipment Manufacturer		Equipment No.	Calibration Date	Calibration Due Date
LISN	R&S	ENV216	CTA-308	2023/08/02	2024/08/01
LISN	R&S	ENV216	CTA-314	2023/08/02	2024/08/01
EMI Test Receiver	R&S	ESPI	CTA-307	2023/08/02	2024/08/01

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EMI Test Receiver	R&S	ESCI	CTA-306	2023/08/02	2024/08/01
Spectrum Analyzer	Agilent	N9020A	CTA-301	2023/08/02	2024/08/01
Spectrum Analyzer	R&S	FSP	CTA-337	2023/08/02	2024/08/01
Vector Signal generator	Agilent	N5182A	CTA-305	2023/08/02	2024/08/01
Analog Signal Generator	R&S	SML03	CTA-304	2023/08/02	2024/08/01
Universal Radio Communication	CMW500	R&S	CTA-302	2023/08/02	2024/08/01
Temperature and humidity meter	Chigo	ZG-7020	CTA-326	2023/08/02	2024/08/01
Ultra-Broadband Antenna	Schwarzbeck	VULB9163	CTA-310	2023/10/17	2024/10/16
Horn Antenna	Schwarzbeck	BBHA 9120D	CTA-309	2023/10/13	2024/10/12
Loop Antenna	Zhinan	ZN30900C	CTA-311	2023/10/17	2024/10/16
Horn Antenna	Beijing Hangwei Dayang	OBH100400	CTA-336	2021/08/07	2024/08/06
Amplifier	Schwarzbeck	BBV 9745	CTA-312	2023/08/02	2024/08/01
Amplifier	Taiwan chengyi	EMC051845B	CTA-313	2023/08/02	2024/08/01
Directional coupler	NARDA	4226-10	CTA-303	2023/08/02	2024/08/01
High-Pass Filter	XingBo	XBLBQ-GTA18	CTA-402	2023/08/02	2024/08/01
High-Pass Filter	XingBo	XBLBQ-GTA27	CTA-403	2023/08/02	2024/08/01
Automated filter bank	Tonscend	JS0806-F	CTA-404	2023/08/02	2024/08/01
Power Sensor	Agilent	U2021XA	CTA-405	2023/08/02	2024/08/01
Amplifier	Schwarzbeck	BBV9719	CTA-406	2023/08/02	2024/08/01
	TESTIN		<i>.</i>		
Test Equipment	Manufacturer	Model No.	Version number	Calibration Date	Calibration Due Date
EMI Test Software	Tonscend	TS®JS32-RE	5.0.0.2	N/A	N/A
EMI Test Software	Tonscend	TS®JS32-CE	5.0.0.1	N/A	N/A
RF Test Software	Tonscend	TS®JS1120-3	3.1.65	N/A	N/A
RF Test Software	Tonscend	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 27 Rules. CTATEST

# 2.6 Modifications

No modifications were implemented to meet testing criteria. CTATESTING

# 3 TEST CONDITIONS AND RESULTS

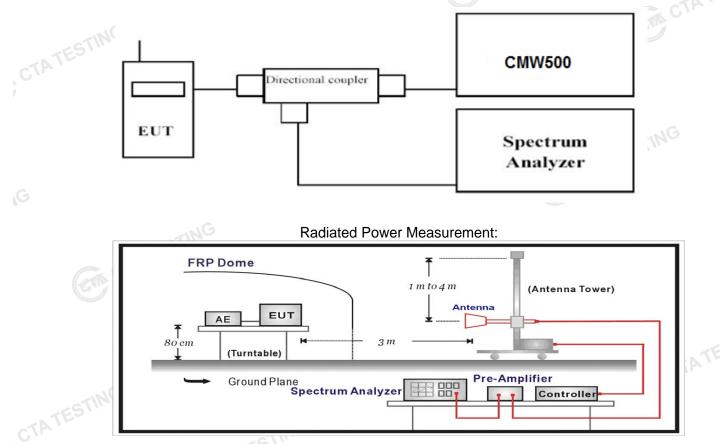
#### 3.1 Output Power

#### <u>LIMIT</u>

According to § 27.50 C(10): Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP."

#### **TEST CONFIGURATION**

**Conducted Power Measurement** 



## TEST PROCEDURE

#### **Radiated Power Measurement:**

- 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.

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- The substitution antenna shall be orientated for vertical polarization and the length of the j) substitution antenna shall be adjusted to correspond to the frequency of the transmitter.
- The substitution antenna shall be connected to a calibrated signal generator. k)
- If necessary, the input attenuator setting of the measuring receiver shall be adjusted in order to I) 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.
- 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.
- q) Test site anechoic chamber refer to ANSI C63.4.

# **TEST RESULTS**

#### **Radiated Measurement:**

Remark:

- CTATESTING 1. We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 12; recorded worst case for each Channel Bandwidth of LTE FDD Band 12.
- 2.  $EIRP=P_{Mea}(dBm)-P_{cl}(dB)+P_{Ag}(dB)+G_{a}(dBi)$

## LTE FDD Band 12\_Channel Bandwidth 1.4MHz\_QPSK

Frequency (MHz)	Р <sub>меа</sub> (dBm)	P <sub>cl</sub> (dB)	G <sub>a</sub> Antenna Gain(dB)	Correction (dB)	G (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
699.7	-20.54	2.31	8.16	2.15	36.7	19.86	34.77	-14.91	V
707.5	-20.33	2.34	8.19	2.15	36.7	20.07	34.77	-14.70	V
715.3	-18.61	2.38	8.23	2.15	36.7	21.79	34.77	-12.98	V

## LTE FDD Band 12\_Channel Bandwidth 3MHz\_QPSK

	LTE FDD Band 12_Channel Bandwidth 3MHz_QPSK						C.			ATAT
	Frequency (MHz)	Р <sub>меа</sub> (dBm)	P <sub>cl</sub> (dB)	G <sub>a</sub> Antenna Gain(dB)	Correction (dB)	P <sub>Ag</sub> (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1	700.5	-20.28	2.31	8.16	2.15	36.7	20.12	34.77	-14.65	V
	707.5	-20.83	2.34	8.19	2.15	36.7	19.57	34.77	-15.20	V
	714.5	-19.90	2.38	8.23	2.15	36.7	20.50	34.77	-14.27	V

LTE FDD Band 12\_Channel Bandwidth 5MHz\_QPSK

Frequency (MHz)	Р <sub>меа</sub> (dBm)	P <sub>cl</sub> (dB)	G <sub>a</sub> Antenna Gain(dB)	Correction (dB)	P <sub>Ag</sub> (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
701.5	-19.31	2.31	8.16	2.15	36.7	21.09	34.77	-13.68	V
707.5	-20.27	2.34	8.19	2.15	36.7	20.13	34.77	-14.64	V
713.5	-19.72	2.38	8.23	2.15	36.7	20.68	34.77	-14.09	V

# LTE FDD Band 12 Channel Bandwidth 10MHz QPSK

	Frequency (MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)	G <sub>a</sub> Antenna Gain(dB)	Correction (dB)	P <sub>Ag</sub> (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization	
	704.0	-19.60	2.31	8.16	2.15	36.7	20.80	34.77	-13.97	V	E
	707.5	-19.98	2.34	8.19	2.15	36.7	20.42	34.77	-14.35	V	
	711.0	-20.50	2.38	8.23	2.15	36.7	19.90	34.77	-14.87	V	
CTP	TESTING			ESTING							

GING

LTE FDD Band 12\_Channel Bandwidth 1.4MHz\_16QAM

Report No.:	CTA2404	290010	5					Pa	ge 10 of 14
LTE FDD B	and 12_(	Channe	l Bandwidth	1.4MHz_16	QAM			ATA	E2.
Frequency (MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)	G <sub>a</sub> Antenna Gain(dB)	Correction (dB)	P <sub>Ag</sub> (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
699.7	-21.60	2.31	8.16	2.15	36.7	18.80	34.77	-15.97	V
707.5	-20.57	2.34	8.19	2.15	36.7	19.83	34.77	-14.94	V
715.3	-19.90	2.38	8.23	2.15	36.7	20.50	34.77	-14.27	V
				TEST					

LTE FDD Band 12\_Channel Bandwidth 3MHz\_16QAM

Frequency (MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)	G₂ Antenna Gain(dB)	Correction (dB)	P <sub>Ag</sub> (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization	r F
700.5	-20.67	2.31	8.16	2.15	36.7	19.73	34.77	-15.04	VCIP	
707.5	-19.50	2.34	8.19	2.15	36.7	20.90	34.77	-13.87	V	1
714.5	-21.75	2.38	8.23	2.15	36.7	18.65	34.77	-16.12	V	

LTE FDD Band 12\_Channel Bandwidth 5MHz\_16QAM

Frequency (MHz)	Р <sub>меа</sub> (dBm)	P <sub>cl</sub> (dB)	G <sub>a</sub> Antenna Gain(dB)	Correction (dB)	P <sub>Ag</sub> (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
701.5	-20.81	2.31	8.16	2.15	36.7	19.59	34.77	-15.18	2ST V
707.5	-21.66	2.34	8.19	2.15	36.7	18.74	34.77	-16.03	V
713.5	-19.45	2.38	8.23	2.15	36.7	20.95	34.77	-13.82	V

LTE FDD Band 12\_Channel Bandwidth 10MHz\_16QAM

Frequency (MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)	G₂ Antenna Gain(dB)	Correction (dB)	G P <sub>Ag</sub> (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization	
704.0	-20.83	2.31	8.16	2.15	36.7	19.57	34.77	-15.20	V	
707.5	-21.78	2.34	8.19	2.15	36.7	18.62	34.77	-16.15	V	
711.0	-21.08	2.38	8.23	2.15	36.7	19.32	34.77	-15.45	V	-61
									COA CTAT	

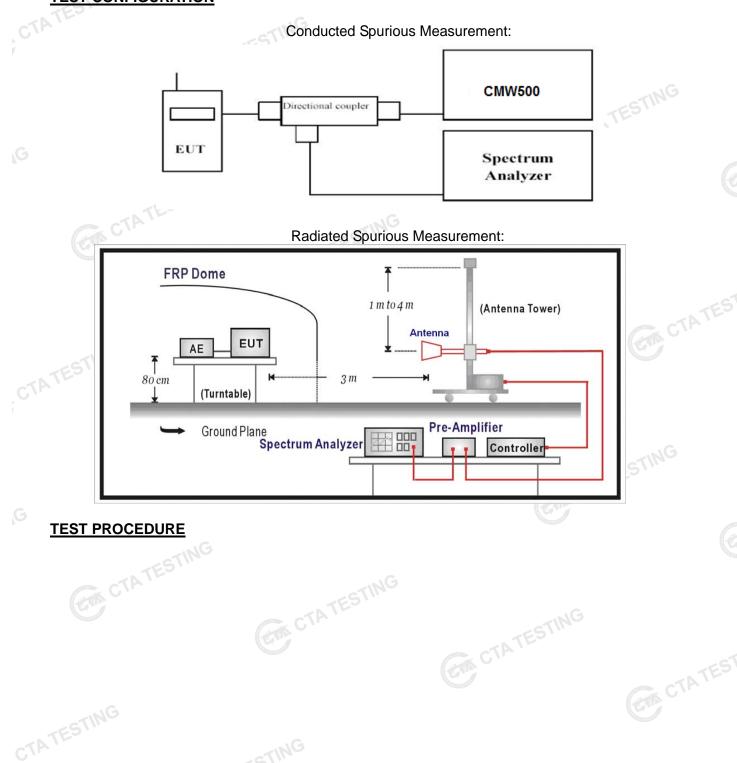
# 3.2 Spurious Emission

# <u>LIMIT</u>

According to Part 27.53(h) specify that 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  $43 + 10 \log (P) dB$ .

The specification that emissions shall be attenuated below the transmitter power (P) by at least 43 + 10 log (P) dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

## **TEST CONFIGURATION**



#### **Radiated Spurious Measurement:**



- 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.
- The transmitter shall be replaced by a substitution antenna. ì.
- The substitution antenna shall be orientated for vertical polarization and the length of the j. 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.
- If necessary, the input attenuator setting of the measuring receiver shall be adjusted in order to Ι. 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.
- CTATES 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.
- r. Test site anechoic chamber refer to ANSI C63.

# TEST RESULTS

# **Radiated Measurement:**

Remark:

1. We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE CTATE FDD Band 12

Frequency (MHz)	P <sub>Mea</sub> (dBm)	G P <sub>cl</sub> (dB)	Distance (m)	G <sub>a</sub> Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization	
1408.0	-45.36	2.86	3.00	7.25	-40.97	-13.00	-27.97	Н	
2112.0	-48.12	2.94	3.00	9.53	-41.53	-13.00	-28.53	Н	
1408.0	-41.05	2.86	3.00	7.25	-36.66	-13.00	-23.66	V	
2112.0	-47.65	2.94	3.00	9.53	-41.06	-13.00	-28.06	V	

ITE EDD Pand 12 Channel Pandwidth 10MUz ODSK

#### LTE FDD Band 12 Channel Bandwidth 10MHz QPSK Middle Channel

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LTE FDD Band 12_Channel Bandwidth 10MHz_QPSK_ Middle Channel												
Frequency (MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)	Distance (m)	G <sub>a</sub> Antenna Gain(dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization				
1415.0	-42.75	2.88	3.00	7.31	-38.32	-13.00	-25.32	Н				
2122.5	-46.74	2.97	3.00	9.55	-40.16	-13.00	-27.16	Н				
1415.0	-45.16	2.88	3.00	7.31	-40.73	-13.00	-27.73	V				
2122.5	-52.65	2.97	3.00	9.55	-46.07	-13.00	-33.07	V				

2122.0	02.00	2.01	0.00	0.00	40.07	10.00	00.01	V
LTE FDD Ba	and 12_Ch	annel Bar	dwidth 10N	/Hz_QPSK_	_ High Cha	nnel TE		
Frequency (MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)	Distance (m)	G <sub>a</sub> Antenna Gain(dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1422.0	-44.70	2.91	3.00	7.82	-39.79	-13.00	-26.79	(C'H
2133.0	-46.77	3.05	3.00	9.66	-40.16	-13.00	-27.16	H
1422.0	-44.25	2.91	3.00	7.82	-39.34	-13.00	-26.34	V
2133.0	-46.53	3.05	3.00	9.66	-39.92	-13.00	-26.92	V
Notes:		TATE			141	G		

#### Notes:

1.All channel bandwidth were tested, the report recorded the worst data.

2. EIRP=PMea(dBm)-Pcl(dB)+PAg(dB)+Ga(dBi)

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

4. Margin = EIRP – Limit

5. We measured all modes and only recorded the worst case.



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