

Shenzhen CTA Testing Technology Co., Ltd.

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

FCC PART 15 SUBPART C TEST REPORT

FCC PART 15.239

Report Reference No......: CTA25030600703 FCC ID......: : 2AW5W-CPDUO9

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Date of issue.....: Mar. 25, 2025

Testing Laboratory Name Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,

Fuhai Street, Bao'an District, Shenzhen, China

CTA TESTIN

Applicant's name.....Rexing Inc

Address 34 Ludwig St, Little Ferry, NJ, 07643 USA

Test specification:

Standard FCC Part 15.239

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Equipment description.....: CarPlay

Trade Mark REXING, Sprleaf

Manufacturer KA FUNG TECHNOLOGY CO LIMITED

Model/Type reference.....: CPDuo-9

Listed ModelsCP101

Modulation:FM

Ratings DC 5.0V From external circuit

Result.....: PASS

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TEST REPORT

CarPlay Equipment under Test

Model /Type CPDuo-9

CP101 Listed Models

Model difference The PCB board, circuit, structure and interior of these models are the

same, but the model name is different.

Rexing Inc Applicant

Address 34 Ludwig St, Little Ferry, NJ, 07643 USA

KA FUNG TECHNOLOGY CO LIMITED Manufacturer

Rm.202, C5 Building, Hengfeng Industry Park, No.739 Zhoushi Rd, Address

Hangcheng Subdistrict, Bao'an Dist., Shenzhen, China

Test Result:	PASS TING
(EII)	TEST

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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TEST STANDARDS 1

The tests were performed according to following standards:

FCC Rules Part 15.247: Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz. ANSI C63.10-2013: American National Standard for Testing Unlicensed Wireless Devices CTATE KDB558074 D01 V05r02: Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under §15.247 CTATESTING

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SUMMARY

2.1 **General Remarks**

2.1 General Remarks		TATESTING	
Date of receipt of test sample		Mar. 06, 2025	TESTING
Testing commenced on	:	Mar. 06, 2025	CTATE
Testing concluded on	:	Mar. 25, 2025	

Product Description

Product Description:	CarPlay		
Model/Type reference:	CPDuo-9		
Power supply:	DC 5.0V From external circuit		
Car Charger information:	Input: DC 12-24V Output: DC 5V 3A		
Hardware version:	V1.0		
Software version:	V1.0		
Testing sample ID:	CTA250306007-1# (Engineer sample) CTA250306007-2# (Normal sample)		
FM			
Modulation:	FM TING		
Operation frequency:	88.1MHz~107.9MHz		
Channel number:	199		
Channel separation:	100KHz		
Channel frequency	88.1MHz~107.9MHz(Channel Number: 199, Channel Frequency=88.1+0.1(K-1), K=1, 2, 3199)		
Antenna type:	Internal antenna		
Antenna gain:	0.00 dBi		

2.3 Equipment Under Test

Power supply system utilised

2.3 Equipment Under 1 Power supply system ut			ESTING
Power supply voltage	: 0	230V / 50 Hz	O 120V / 60Hz
	0	12 V DC	O 24 V DC
	•	Other (specified in bl	ank below)

DC 5.0V From external circuit

2.4 Short description of the Equipment under Test (EUT)

This is a CarPlay.

For more details, refer to the user's manual of the EUT.

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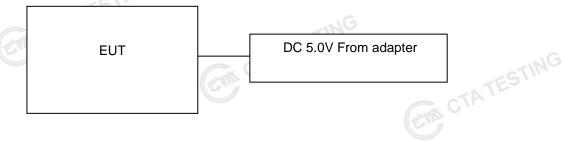
2.5 **EUT** operation mode

The Applicant provides communication tools software(Engineer mode) to control the EUT for staying in continuous transmitting (Duty Cycle more than 98%) and receiving mode for testing .There are 40 channels provided to the EUT and Channel Low/Mid/High were selected to test.

Operation Frequency:

Channel	Frequency (MHz)	
00	88.1	
19	98.1	
39	107.9	

2.6 **Block Diagram of Test Setup**



2.7 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for the device filing to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

Modifications 2.8

No modifications were implemented to meet testing criteria.

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3 TEST ENVIRONMENT

Address of the test laboratory 3.1

Shenzhen CTA Testing Technology Co., Ltd.

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

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.

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.

Environmental conditions

During the measurement the environmental conditions were within the listed ranges: CTATESTING Radiated Emission:

Temperature:	23 ° C
Humidity:	44 %
Atmospheric pressure:	950-1050mbar

Conducted testing: CTATES

Solidacied lesting:		_
Temperature:	24 ° C	
	.00	
Humidity:	46 %	
TES		
Atmospheric pressure:	950-1050mbar	TING
		TATES

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Summary of measurement results

Applied Standard: FCC CFR 47 PART 15.239				
FCC Rules Description of Test		Result		
§15.239 (a)	Occupied Bandwidth	Compliant		
§15.239 (b)	§15.239 (b) Field Strength of Fundamental frequency			
§15.205 (a) §15.209 (a)	Radiated Spurious Emissions	Compliant		
§15.207 (a) AC Conducted Emissions		N/A		
§15.203	Antenna Requirements	Compliant		

Remark:

- The measurement uncertainty is not included in the test result. 1.
- We tested all test mode and recorded worst case in report

Statement of the measurement uncertainty 3.5

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	Measurement 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) (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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3.6 **Equipments Used during the Test**

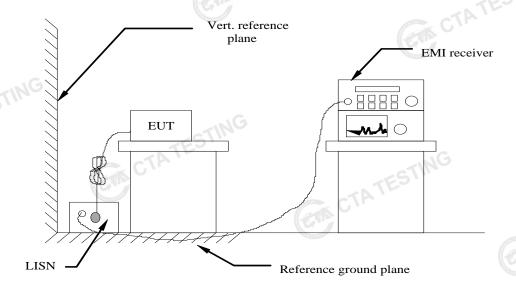
	Test Equipment	Manufacturer	Model No.	Equipment No.	Calibration Date	Calibration Due Date
	LISN	R&S	ENV216	CTA-308	2024/08/03	2025/08/02
	LISN	R&S	ENV216	CTA-314	2024/08/03	2025/08/02
	EMI Test Receiver	R&S	ESPI	CTA-307	2024/08/03	2025/08/02
	EMI Test Receiver	R&S	ESCI	CTA-306	2024/08/03	2025/08/02
	Spectrum Analyzer	Agilent	N9020A	CTA-301	2024/08/03	2025/08/02
	Spectrum Analyzer	R&S	FSP	CTA-337	2024/08/03	2025/08/02
	Vector Signal generator	Agilent	N5182A	CTA-305	2024/08/03	2025/08/02
	Analog Signal Generator	R&S	SML03	CTA-304	2024/08/03	2025/08/02
	Universal Radio Communication	CMW500	R&S	CTA-302	2024/08/03	2025/08/02
	Temperature and humidity meter	Chigo	ZG-7020	CTA-326	2024/08/03	2025/08/02
	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
ļ	Loop Antenna	Zhinan	ZN30900C	CTA-311	2023/10/17	2024/10/16
	Broadband Horn Antenna	A-INFOMW	LB-180500H-2.4F	CTA-336	2023/09/13	2026/09/12
	Amplifier	Schwarzbeck	BBV 9745	CTA-312	2024/08/03	2025/08/02
	Amplifier	Taiwan chengyi	EMC051845B	CTA-313	2024/08/03	2025/08/02
	Directional coupler	NARDA	4226-10	CTA-303	2024/08/03	2025/08/02
	High-Pass Filter	XingBo	XBLBQ-GTA18	CTA-402	2024/08/03	2025/08/02
	High-Pass Filter	XingBo	XBLBQ-GTA27	CTA-403	2024/08/03	2025/08/02
- -	Automated filter bank	Tonscend	JS0806-F	CTA-404	2024/08/03	2025/08/02
	Power Sensor	Agilent	U2021XA	CTA-405	2024/08/03	2025/08/02
	Amplifier	Schwarzbeck	BBV9719	CTA-406	2024/08/03	2025/08/02
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TEST CONDITIONS AND RESULTS

AC Power Conducted Emission

TEST CONFIGURATION



TEST PROCEDURE

- 1 The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10-2013.
- 2 Support equipment, if needed, was placed as per ANSI C63.10-2013
- 3 All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10-2013
- 4 The EUT received power from adapter, the adapter received AC120V/60Hz and AC 240V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5 All support equipments received AC power from a second LISN, if any.
- 6 The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7 Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
- 8 During the above scans, the emissions were maximized by cable manipulation.

AC Power Conducted Emission Limit

For intentional device, according to § 15.207(a) AC Power Conducted Emission Limits is as following:

Frequency range (MHz)	Limit (dBuV)		
	Quasi-peak	Average	
0.15-0.5	66 to 56*	56 to 46*	
0.5-5	56	46	
5-30	60	50	
* Decreases with the logarithm of the frequen	ncy.		

TEST RESULTS

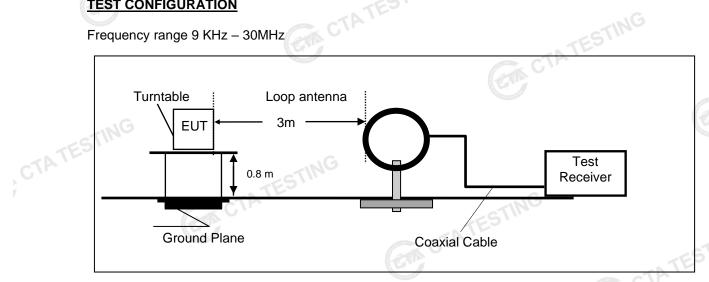
The EUT is an in-vehicle device, so this test item is not applicable for the EUT.

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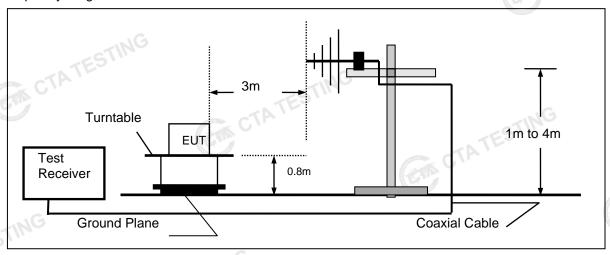
RADIATED MEASUREMENT

TEST CONFIGURATION

Frequency range 9 KHz – 30MHz

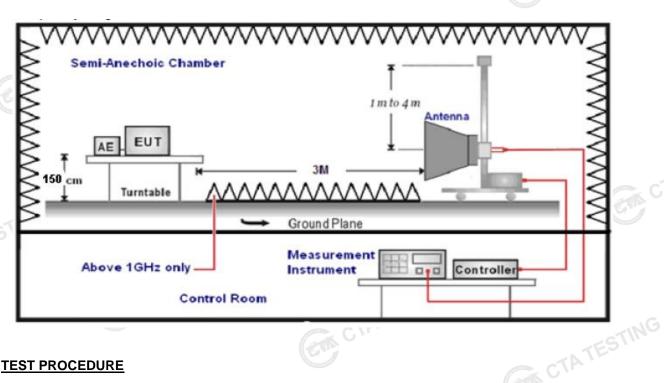


Frequency range 30MHz - 1000MHz



Frequency range above 1GHz-25GHz

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TEST PROCEDURE

- 1. The EUT was placed on a turn table which is 0.8m above ground plane when testing frequency range 9 KHz -1GHz;the EUT was placed on a turn table which is 1.5m above ground plane when testing frequency range 1GHz - 25GHz.
- 2. Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0°C to 360°C to acquire the highest emissions from EUT.
- And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- Repeat above procedures until all frequency measurements have been completed.
- The EUT minimum operation frequency was 32.768KHz and maximum operation frequency was 2480MHz.so radiated emission test frequency band from 9KHz to 25GHz.

The distance between test antenna and EUT as following table states: 6.

Test Frequency range	Test Antenna Type	Test Distance	
9KHz-30MHz	Active Loop Antenna	3	
30MHz-1GHz	Ultra-Broadband Antenna	3	
1GHz-18GHz	Double Ridged Horn Antenna	3	
18GHz-25GHz	Horn Anternna	1	

7. Setting test receiver/spectrum as following table states:

Test Receiver/Spectrum Setting	Detector
RBW=200Hz/VBW=3KHz,Sweep time=Auto	QP
RBW=9KHz/VBW=100KHz,Sweep time=Auto	QP
RBW=120KHz/VBW=1000KHz,Sweep time=Auto	QP
Peak Value: RBW=1MHz/VBW=3MHz,	TING
Sweep time=Auto	Peak
	RBW=200Hz/VBW=3KHz,Sweep time=Auto RBW=9KHz/VBW=100KHz,Sweep time=Auto RBW=120KHz/VBW=1000KHz,Sweep time=Auto Peak Value: RBW=1MHz/VBW=3MHz,

Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor(if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CL - AG

le calculation is as follows:	
RA + AF + CL - AG	
Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	672

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Transd=AF +CL-AG

RADIATION LIMIT

According to §15.239 (b): The field strength of any emissions within the permitted 200 kHz band shall not exceed 250 microvolts/meter at 3 meters. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequency (MHz)	Distance (Meters)	Radiated (dBµV/m)	Radiated (µV/m)
0.009-0.49	3	20log(2400/F(KHz))+40log(300/3)	2400/F(KHz)
0.49-1.705	3	20log(24000/F(KHz))+ 40log(30/3)	24000/F(KHz)
1.705-30	3	20log(30)+ 40log(30/3)	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

TEST RESULTS

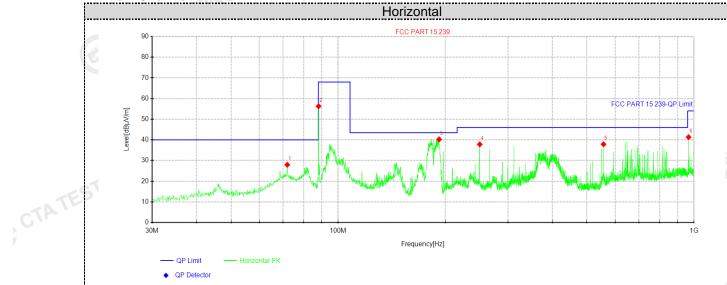
Remark:

- This test was performed with EUT in X, Y, Z position and the worse case was found when EUT in X position.
- fm were tested at Low, Middle, and High channel and recorded worst mode at High channel. 2.
- Radiated emission test from 9 KHz to 10th harmonic of fundamental was verified, and no emission found Inot re except system noise floor in 9 KHz to 30MHz and not recorded in this report.

For 30MHz-1GHz

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TX Low Channel:

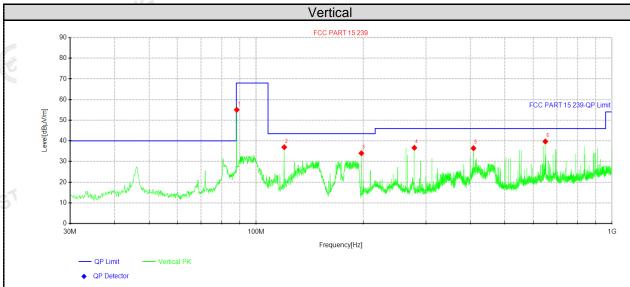


Sus	pected Data	List								
NO	Freq. [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	71.9525	43.18	27.95	-15.23	40.00	12.05	100	167	Peak	Horizontal
2	88.1	71.38	56.27	-15.11	68.00	11.73	100	122	Peak	Horizontal
/	88.1	58.26	43.15	-15.11	48.00	4.85	100	122	AVG	Horizontal
3	192.2325	53.65	40.26	-13.39	43.50	3.24	100	122	Peak	Horizontal
4	249.9475	49.95	37.84	-12.11	46.00	8.16	100	167	Peak	Horizontal
5	556.8312	46.33	37.89	-8.44	46.00	8.11	100	360	Peak	Horizontal
6	965.3225	43.35	41.34	-2.01	54.00	12.66	100	54	Peak	Horizontal

CTATE

- 2). Factor(dB/m)=Antenna Factor (dB/m) + Cable loss (dB) Pre Amplifier gain (dB)
- 3). Margin(dB) = Limit (dB μ V/m) Level (dB μ V/m)

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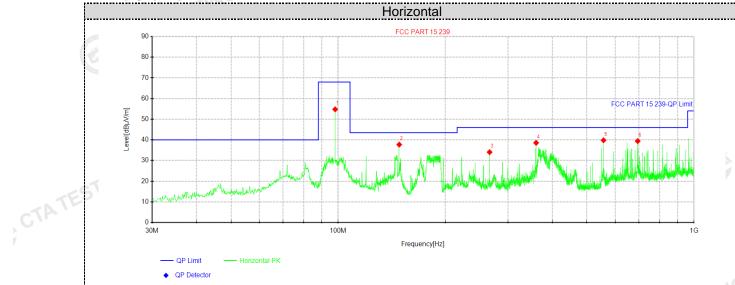
S	usp	ected Data	List								
٨	10.	Freq. [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
	1	88.1	70.15	55.04	-15.11	68.00	12.96	100	149	Peak	Vertical
	/	88.1	57.13	42.02	-15.11	48.00	5.98	100	149	AVG	Vertical
	2	119.9675	50.82	36.96	-13.86	43.50	6.54	100	204	Peak	Vertical
	3	197.5675	47.02	34.02	-13.00	43.50	9.48	100	48	Peak	Vertical
	4	278.32	48.11	36.66	-11.45	46.00	9.34	100	295	Peak	Vertical
324 M	5	408.0575	46.55	36.44	-10.11	46.00	9.56	100	328	Peak	Vertical
100	6	649.5875	45.13	39.72	-5.41	46.00	6.28	100	318	Peak	Vertical

CTATE

- 2). Factor(dB/m)=Antenna Factor (dB/m) + Cable loss (dB) Pre Amplifier gain (dB)
- 3). Margin(dB) = Limit (dB μ V/m) Level (dB μ V/m) CTATESTING

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TX Mid Channel:

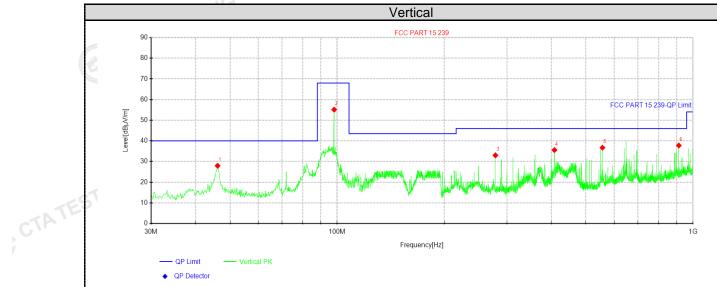


	Susp	ected Data	List								Ì
	NO.	Freq. [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
	1	98.1	68.07	54.79	-13.28	68.00	10.21	100	55	Peak	Horizontal
	/	98.1	54.51	41.23	-13.28	48.00	6.77	100	55	AVG	Horizontal
	2	148.4612	53.15	37.71	-15.44	43.50	5.79	100	122	Peak	Horizontal
	3	266.4375	45.81	34.07	-11.74	46.00	11.93	100	223	Peak	Horizontal
(3)	4	360.0425	49.13	38.58	-10.55	46.00	7.42	100	326	Peak	Horizontal
	5	556.8312	48.26	39.82	-8.44	46.00	6.18	100	356	Peak	Horizontal
	6	694.6925	44.60	39.43	-5.17	46.00	6.57	100	326	Peak	Horizontal
'				CAL				- 1	TES.		

CTATE

- 2). Factor(dB/m)=Antenna Factor (dB/m) + Cable loss (dB) Pre Amplifier gain (dB)
- 3). Margin(dB) = Limit (dB μ V/m) Level (dB μ V/m)

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S	usp	ected Data	List								
N	IO.	Freq. [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
	1	46.1262	39.34	27.97	-11.37	40.00	12.03	100	295	Peak	Vertical
	2	98.1	68.41	55.13	-13.28	68.00	12.87	100	138	Peak	Vertical
	/	98.1	54.83	41.55	-13.28	48.00	6.45	100	138	AVG	Vertical
	3	278.4413	44.47	33.02	-11.45	46.00	12.98	100	307	Peak	Vertical
	4	408.0575	45.68	35.57	-10.11	46.00	10.43	100	316	Peak	Vertical
	5	556.71	45.16	36.71	-8.45	46.00	9.29	100	69	Peak	Vertical
100	6	912.0938	40.38	37.77	-2.61	46.00	8.23	100	204	Peak	Vertical

Note:1).Level ($dB\mu V/m$)= Reading ($dB\mu V$)+ Factor (dB/m)

2). Factor(dB/m)=Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

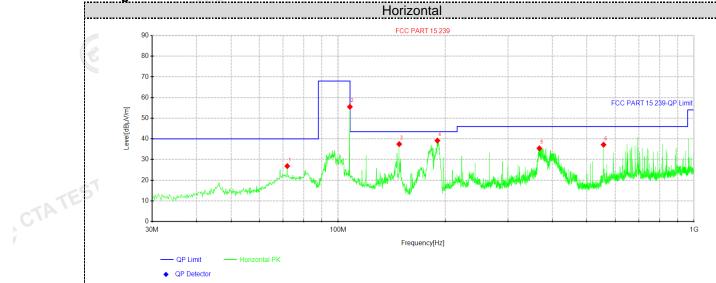
CTATE

3). Margin(dB) = Limit (dB μ V/m) - Level (dB μ V/m)

CTATESTING

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TX High Channel:

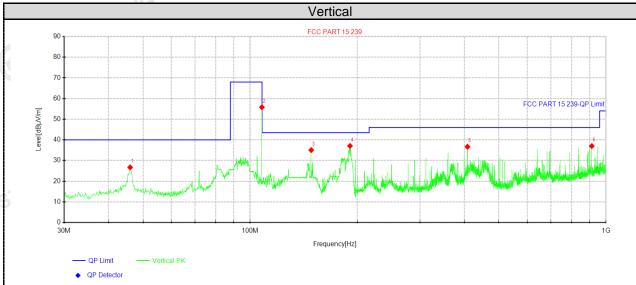


Susp	ected Data	List								
NO.	Freq. [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	71.9525	42.08	26.85	-15.23	40.00	13.15	100	167	Peak	Horizontal
2	107.9	68.75	55.53	-13.22	68.00	12.47	100	9	Peak	Horizontal
/	107.9	55.51	42.29	-13.22	48.00	5.71	100	9	AVG	Horizontal
3	148.4612	52.92	37.48	-15.44	43.50	6.02	100	346	Peak	Horizontal
4	190.05	52.71	39.18	-13.53	43.50	4.32	100	9	Peak	Horizontal
5	367.6812	46.00	35.44	-10.56	46.00	10.56	100	200	Peak	Horizontal
6	556.9525	45.62	37.19	-8.43	46.00	8.81	100	356	Peak	Horizontal

CTATE

- 2). Factor(dB/m)=Antenna Factor (dB/m) + Cable loss (dB) Pre Amplifier gain (dB)
- 3). Margin(dB) = Limit (dB μ V/m) Level (dB μ V/m)

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Susp	ected Data	List								
NO.	Freq. [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	46.005	38.09	26.70	-11.39	40.00	13.30	100	279	Peak	Vertical
2	107.9	69.03	55.81	-13.22	68.00	12.19	100	101	Peak	Vertical
/	107.9	55.18	41.96	-13.22	48.00	6.04	100	101	Peak	Vertical
3	148.4612	50.53	35.09	-15.44	43.50	8.41	100	137	AVG	Vertical
4	190.7775	50.56	37.08	-13.48	43.50	6.42	100	357	Peak	Vertical
5	408.0575	46.81	36.70	-10.11	46.00	9.30	100	303	Peak	Vertical
6	912.0938	39.63	37.02	-2.61	46.00	8.98	100	199	Peak	Vertical

CTATE

Note:1).Level ($dB\mu V/m$)= Reading ($dB\mu V$)+ Factor (dB/m)

- 2). Factor(dB/m)=Antenna Factor (dB/m) + Cable loss (dB) Pre Amplifier gain (dB)
- 3). Margin(dB) = Limit (dB μ V/m) Level (dB μ V/m)

CTATESTING

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99% AND 20DB BANDWIDTH 4.3

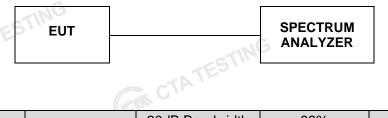
Limit

According to §15.239 (a) Emissions from the intentional radiator shall be confined within a band 200 kHz wide centered on the operating frequency. The 200 kHz band shall lie wholly within the frequency range of 88-108MHz.

Test Procedure

- 1:The transmitter shall be operated at its maximum carrier power measured under normal test conditions
- 2:The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts.
- 3:The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the occupied bandwidth (OBW) CTA TESTING and video bandwidth (VBW) shall be approximately 3x RBW.
- 4:Detector function = peak.
- 5:Trace = max hold.

Test Configuration



Test Results

Test Results		CTATE	ESTING				
Туре	Channel	20dB Bandwidth (KHz)	99% Bandwidth (KHz)	Limit (KHz)	Result		
	Low	126.8	114.47				
FM	Mid	126.8	114.50	200.00	Pass		
5/11	High	126.8	114.47				
Test plot as follow	S: CTATEST	ING	TATESTING	>			

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Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1) (I):

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

Antenna Connected Construction

The maximum gain of antenna was 0.00 dBi.

Remark: The antenna gain is provided by the customer, if the data provided by the customer is not accurate, Shenzhen CTA Testing Technology Co., Ltd. does not assume any responsibility.

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<u>Test Setup Photos of the EUT</u>



Photos of the EUT

Reference to the test report No. CTA25030600701 CTATEST ***** End of Report ************** CTATESTING