



RADIO TEST REPORT

For

Shenzhen Huafurui Technology Co., Ltd.

Smartphone

Test Model: KINGKONG X

Prepared for : Shenzhen Huafurui Technology Co., Ltd.
Address : Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.
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Date of receipt of test sample : April 01, 2024
Number of tested samples : 2
Sample No. : A240319085-1, A240319085-2
Serial number : Prototype
Date of Test : April 01, 2024 ~ May 09, 2024
Date of Report : May 10, 2024



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RADIO TEST REPORT	
ETSI EN 301 908-1 V15.2.1 (2023-01)&ETSI EN 301 908-2 V13.1.1 (2020-06)	
Report Reference No.	LCSA03214077EI
Date of Issue.....	May 10, 2024
Testing Laboratory Name.....	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address.....	Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China
Testing Location/ Procedure....	Full application of Harmonised standards <input checked="" type="checkbox"/> Partial application of Harmonised standards <input type="checkbox"/> Other standard testing method <input type="checkbox"/>
Applicant's Name.....	Shenzhen Huafurui Technology Co., Ltd.
Address.....	Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China
Test Specification	
Standard.....	ETSI EN 301 908-1 V15.2.1 (2023-01) ETSI EN 301 908-2 V13.1.1 (2020-06)
Test Report Form No.....	LCSEMC-1.0
TRF Originator.....	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF.....	Dated 2017-06
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Test Item Description.....	Smartphone
Trade Mark.....	CUBOT
Test Model.....	KINGKONG X
Ratings	Please Refer to Page 6
Result	Positive

Compiled by:

Kevin Huang

Kevin Huang/ Administrator

Supervised by:

Cary Luo

Cary Luo/ Technique principal

Approved by:

Gavin Liang

Gavin Liang/ Manager



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RADIO -- TEST REPORT

Test Report No. : LCSA03214077EI	May 10, 2024 Date of issue
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Test Model..... : KINGKONG X

EUT..... : Smartphone

Applicant..... : Shenzhen Huafurui Technology Co., Ltd.

Address..... : Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China

Telephone..... : /

Fax..... : /

Manufacturer..... : Shenzhen Huafurui Technology Co., Ltd.

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Telephone..... : /

Fax..... : /

Factory..... : Shenzhen Huafurui Technology Co., Ltd.

Address..... : Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China

Telephone..... : /

Fax..... : /

Test Result	Positive
-------------	----------

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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Revision History

Report Version	Issue Date	Revision Content	Revised By
000	May 10, 2024	Initial Issue	---



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1. GENERAL INFORMATION

1.1. Product Description for Equipment Under Test (EUT)

EUT	: Smartphone
Test Model	: KINGKONG X
Ratings	: Input: DC 5.0V, 3.0A Adapter1 Model: HJ-PD33W-EU For AC Adapter Input: 100-240V~, 50/60Hz, 0.8A Adapter Output: 5.0V=3.0A 15.0W OR 9.0V=3.0A 27.0W OR 12.0V=2.75A 33.0W MAX Adapter2 Model: ZYH-J330 For AC Adapter Input: 200-240V~, 50/60Hz, 1.2A Max Adapter Output: 5.0V=3.0A, 15.0W; 9.0V=3.0A, 27.0W; 12.0V=2.5A, 30.0W; 15.0V=2.0A, 30.0W; 20.0V=1.5A, 30.0W MAX DC 3.87V by Rechargeable Li-ion Battery, 10200mAh
Hardware Version	: G2365-MUB-V2-BOM3
Software Version	: CUBOT_KINGKONG X_E021C_V01
Bluetooth	:
Frequency Range	: 2402MHz~2480MHz
Channel Number	: 79 channels for Bluetooth V5.2 (BDR/EDR) 40 channels for Bluetooth V5.2 (BT LE/ BT 2LE)
Channel Spacing	: 1MHz for Bluetooth V5.2 (BDR/EDR) 2MHz for Bluetooth V5.2 (BT LE/ BT 2LE)
Modulation Type	: GFSK, $\pi/4$ -DQPSK, 8-DPSK for Bluetooth V5.2 (BDR/EDR) GFSK for Bluetooth V5.2 (BT LE/ BT 2LE)
Bluetooth Version	: V5.2
Antenna Description	: FPC Antenna, 0.6dBi(Max.)
WIFI(2.4G Band)	:
Frequency Range	: 2412MHz~2472MHz
Channel Spacing	: 5MHz
Channel Number	: 13 Channel for 20MHz bandwidth(2412~2472MHz) 9 channels for 40MHz bandwidth(2422~2462MHz)
Modulation Type	: 802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: FPC Antenna, 0.6dBi(Max.)
WIFI(5.2G Band)	:
Frequency Range	: 5180MHz~5240MHz
Channel Number	: 4 channels for 20MHz bandwidth(5180~5240MHz) 2 channels for 40MHz bandwidth(5190~5230MHz)



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1 channels for 80MHz bandwidth(5210MHz)

Modulation Type : 802.11a/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)

Antenna Description : Ant6: FPC Antenna, 0.4dBi(Max.)
Ant7: FPC Antenna, -1.6dBi(Max.)

WIFI(5.8G Band)

Frequency Range : 5745MHz~5825MHz

Channel Number : 5 channels for 20MHz bandwidth(5745~5825MHz)
2 channels for 40MHz bandwidth(5755~5795MHz)
1 channels for 80MHz bandwidth(5775MHz)

Modulation Type : 802.11a/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)

Antenna Description : Ant6: FPC Antenna, 0.4dBi(Max.)
Ant7: FPC Antenna, -1.6dBi(Max.)

2G

Support Band : ☒ GSM 900 (EU-Band) ☒ DCS 1800 (EU-Band)
☒ GSM 850 (U.S.-Band) ☒ PCS 1900 (U.S.-Band)

Release Version : R99

GPRS Class : Class 12

EGPRS Class : Class 12

Uplink : GSM 900: 880MHz~915MHz
DCS 1800: 1710MHz~1785MHz

Downlink : GSM 900: 925MHz~960MHz
DCS 1800: 1805MHz~1880MHz

Type Of Modulation : GMSK for GSM/GPRS; GMSK/8PSK for EGPRS

Antenna Description : FPC Antenna
-1.3dBi (max.) For GSM 900
-3.0dBi (max.) For DCS 1800

Power Class : GSM 900: Level 5, DCS 1800: Level 0
EGPRS 900: Level 8, EGPRS 1800: Level 2

3G

Support Band : ☒ WCDMA Band I (EU-Band)
☒ WCDMA Band VIII (EU-Band)

Release Version : R8

Uplink : WCDMA Band I: 1920MHz~1980MHz
WCDMA Band VIII: 880MHz~915MHz

Downlink : WCDMA Band I: 2110MHz~2170MHz
WCDMA Band VIII: 925MHz~960MHz

Type Of Modulation : QPSK/16QAM

Antenna Description : FPC Antenna
-2.5dBi (max.) For WCDMA Band I



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-1.3dBi (max.) For WCDMA Band VIII

Power Class : Level 3

LTE :

Support Band : ☒ E-UTRA Band 1(EU-Band)
☒ E-UTRA Band 3(EU-Band)
☒ E-UTRA Band 7(EU-Band)
☒ E-UTRA Band 8(EU-Band)
☒ E-UTRA Band 20(EU-Band)
☒ E-UTRA Band 28(EU-Band)
☒ E-UTRA Band 38(EU-Band)
☒ E-UTRA Band 40(EU-Band)

LTE Release Version : R12

FDD Band : Uplink: E-UTRA Band 1: 1920MHz~1980MHz
E-UTRA Band 3: 1710MHz~1785MHz
E-UTRA Band 7: 2500MHz~2570MHz
E-UTRA Band 8: 880MHz~915MHz
E-UTRA Band 20: 832MHz~862MHz
E-UTRA Band 28: 703MHz~748MHz
Downlink: E-UTRA Band 1: 2110MHz~2170MHz
E-UTRA Band 3: 1805MHz~1880MHz
E-UTRA Band 7: 2620MHz~2690MHz
E-UTRA Band 8: 925MHz~960MHz
E-UTRA Band 20: 791MHz~821MHz
E-UTRA Band 28: 758MHz~803MHz

TDD Band : E-UTRA Band 38: 2570MHz ~ 2620MHz
E-UTRA Band 40: 2300MHz ~ 2400MHz

Type Of Modulation : QPSK/16QAM

Antenna Description : FPC Antenna
-2.5dBi (max.) For E-UTRA Band 1
-2.6dBi (max.) For E-UTRA Band 3
-0.6dBi (max.) For E-UTRA Band 7
-1.3dBi (max.) For E-UTRA Band 8
-1.0dBi (max.) For E-UTRA Band 20
-3.3dBi (max.) For E-UTRA Band 28
-0.6dBi (max.) For E-UTRA Band 38
-1.5dBi (max.) For E-UTRA Band 40

Power Class : Class 3

NR :

Operation Band : n1: UL: 1920MHz~1980MHz, DL: 2110MHz~2170MHz
n3: UL: 1710MHz~1785MHz, DL: 1805MHz~1880MHz
n7: UL: 2500MHz~2570MHz, DL: 2620MHz~2690MHz



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Support Type : ☒ SA

Sub carrier Spacing : 15KHz

Modulation Type : DFT-BPSK, DFT-QPSK, DFT-16QAM, DFT-64QAM, DFT-256QAM, CP-QPSK, CP-16QAM, CP-64QAM, CP-256QAM

NR Release Version : 15

Power Class : NR Band 1/3/7: PC3

Antenna Description : FPC Antenna
n1: -2.5dBi Max
n3: -2.6dBi Max
n7: -0.6dBi Max

GPS Receiver :

Receive Frequency : 1575.42MHz

Channel Number : 1

Antenna Description : FPC Antenna, 3.9dBi(Max.)

GLONASS Receiver :

Receive Frequency : 1602.5625MHz

Channel Number : 1

Antenna Description : FPC Antenna, 3.9dBi(Max.)

Galileo Receiver :

Receive Frequency : 1589.74MHz

Channel Number : 1

Antenna Description : FPC Antenna, 3.9dBi(Max.)

BDS Receiver :

Receive Frequency : 1561.098MHz

Channel Number : 1

Antenna Description : FPC Antenna, 3.9dBi(Max.)

NFC :

Frequency Range : 13.56MHz

Modulation Type : ASK

Antenna Description : FPC Antenna, 0dBi(Max.)



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1.2. Support Equipment List

Manufacturer	Description	Model	Serial Number	Certificate
Shenzhen Huajin Electronics Co., Ltd	Fast Charger	HJ-PD33W-EU	---	CE
Zhengyuhong Electronics (dongguan) Co., Ltd	AC Power Adapter	ZYH-J330	---	CE

1.3. External I/O

I/O Port Description	Quantity	Cable
Type-C USB Port	1	USB Cable: 1.0m, unshielded
Headphone Port	1	Headphone Cable: 1.2m, unshielded

1.4. Objective

Standard Referenced	Standard Title	Standard Version
ETSI EN 301 908-1	IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 1: Introduction and common requirements; Release 15	V15.2.1 (2023-01)
ETSI EN 301 908-2	IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 2: CDMA Direct Spread (UTRA FDD) User Equipment (UE)	V13.1.1 (2020-06)

The objective is to determine compliance with ETSI EN 301 908-1 V15.2.1 (2023-01) & ETSI EN 301 908-2 V13.1.1 (2020-06).

1.5. Test Conditions

Conditions	Temperature	Voltage
Normal	21-25°C	DC 3.87V
Low extreme Temperature/Low extreme Voltage (TL/VL);	-20°C	DC 3.48V
Low extreme Temperature/High extreme Voltage (TL/VH);	-20°C	DC 4.45V
High extreme Temperature/Low extreme Voltage (TH/VL);	45°C	DC 3.48V
High extreme Temperature/High extreme Voltage (TH/VH).	45°C	DC 4.45V

Note1: For all conditions, the humidity range is:40-75%, the pressure range is 86-106kPa. The High Voltage DC 4.45V and Low Voltage DC 3.48V was declared by manufacturer





1.6. Description Of Test Mode

1. WCDMA Band I

- 1). Low Channel Operation(9612Channel)
- 2). Middle Channel Operation(9750Channel)
- 3). High Channel Operation(9888Channel)

2. WCDMA Band VIII

- 1). Low Channel Operation(2713Channel)
- 2). Middle Channel Operation(2788Channel)
- 3). High Channel Operation(2862Channel)

1.7. Measurement Uncertainty (95% confidence levels, k=2)

Test Item		Uncertainty
Radio Frequency	:	0.9×10^{-4}
Total RF Power, Conducted	:	1.0 dB
RF Power Density, Conducted	:	1.8 dB
Spurious Emissions, Conducted	:	1.8 dB
All Emissions, Radiated	:	3.1 dB
Temperature	:	0.5°C
Humidity	:	1 %
DC And Low Frequency Voltages	:	1 %

1.8. Description of Test Facility

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.



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2. SYSTEM TEST CONFIGURATION

2.1. Justification

N/A

2.2. EUT Exercise Software

N/A

2.3. Special Accessories

The special accessories were supplied by Shenzhen LCS Compliance Testing Laboratory Ltd.

2.4. Block Diagram/Schematics

Please refer to the related document.

2.5. Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

2.6. Test Setup

Please refer to the test setup photo.





3. SUMMARY OF TEST RESULTS

Test Engineer	:	Paddi Chen
Temperature/ Humidity:	:	23.6°C/ 52.8%

Reference Clause No. (ETSI EN 301 908-2)	Description of Test Items	WCDMA Band VIII	WCDMA Band I
		Result	Result
4.2.2	Transmitter maximum output power		
	Normal	Pass	Pass
	TL/VL	Pass	Pass
	TL/VH	Pass	Pass
	TH/VL	Pass	Pass
	TH/VH	Pass	Pass
	Transmitter maximum output power for HSDPA & HSUPA		
	Normal	Pass	Pass
	TL/VL	Pass	Pass
	TL/VH	Pass	Pass
	TH/VL	Pass	Pass
	TH/VH	Pass	Pass
4.2.3	Transmitter spectrum emission mask		
	Normal	Pass	Pass
	Transmitter spectrum emission mask for HSDPA & HSUPA		
	Normal	Pass	Pass
4.2.4	Transmitter spurious emissions		
	Normal	Pass	Pass
	Transmitter spurious emission for HSDPA & HSUPA		
	Normal	Pass	Pass
4.2.5	Transmitter minimum output power		
	Normal	Pass	Pass
	TL/VL	Pass	Pass
	TL/VH	Pass	Pass
	TH/VL	Pass	Pass
	TH/VH	Pass	Pass
4.2.6	Receiver Adjacent Channel Selectivity (ACS)		
	NT / NV	Pass	Pass
	Receiver Adjacent Channel Selectivity for HSDPA & HSUPA		
	NT / NV	Pass	Pass
4.2.7	Receiver blocking characteristics		
	Normal	Pass	Pass
4.2.8	Receiver spurious response		
	Normal	Pass	Pass
4.2.9	Receiver intermodulation characteristics		



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	Normal	Pass	Pass
4.2.10	Receiver spurious emissions		
	Normal	Pass	Pass
4.2.11	Out-of-synchronization handling of output power		
	Normal	Pass	Pass
4.2.12	Transmitter Adjacent Channel Leakage power Ratio (ACLR)		
	Normal	Pass	Pass
	TL/VL	Pass	Pass
	TL/VH	Pass	Pass
	TH/VL	Pass	Pass
	TH/VH	Pass	Pass
	Transmitter Adjacent Channel Leakage power Ratio (ACLR) for HSDPA & HSUPA		
	Normal	Pass	Pass
	TL/VL	Pass	Pass
	TL/VH	Pass	Pass
	TH/VL	Pass	Pass
	TH/VH	Pass	Pass
4.2.13	Receiver Reference Sensitivity level		
	Normal	Pass	Pass
	TL/VL	Pass	Pass
	TL/VH	Pass	Pass
	TH/VL	Pass	Pass
	TH/VH	Pass	Pass
	Receiver Reference Sensitivity level for HSDPA & HSUPA		
	Normal	Pass	Pass
	TL/VL	Pass	Pass
	TL/VH	Pass	Pass
	TH/VL	Pass	Pass
	TH/VH	Pass	Pass

Reference Clause No. (ETSI EN 301 908-1)	Description of Test Items	WCDMA Band VIII	WCDMA Band I
		Result	Result
4.2.2	Radiated emissions (UE)		
	Normal	Pass	Pass
4.2.4	Control and monitoring functions (UE)		
	Normal	Pass	Pass

***Note:

Result: Describes test result of Test Case.

Pass: Test Case passed on specified conformance test platform.

Normal(TN/VN): Normal temperature – 25°C; Normal voltage. – DC 3.87V

TH: High extreme Temperature – +45°C

VH: High extreme Voltage – DC 4.45V

TL: Low extreme Temperature – -20°C

VL: Low extreme Voltage – DC 3.48V

N/A: Not applicable.

—: Not test.



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4. LIST OF MEASURING EQUIPMENT

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	LTE Test Software	Tonscend	JS1120-1	N/A	N/A	N/A
2	RF Control Unit	Tonscend	JS0806-1	158060009	2023-10-18	2024-10-17
3	MXA Signal Analyzer	Agilent	N9020A	MY51250905	2023-10-18	2024-10-17
4	DC Power Supply	Agilent	E3642A	N/A	2023-10-18	2024-10-17
5	MXG Vector Signal Generator	Agilent	N5182A	MY47071151	2023-06-09	2024-06-08
6	PSG Analog Signal Generator	Agilent	E8257D	MY4520521	2023-06-09	2024-06-08
7	Temperature & Humidity Chamber	GUANGZHOU GOGNWEN	GDS-100	70932	2023-10-05	2024-10-04
8	EMI Test Software	Farad	EZ	/	N/A	N/A
9	3m Full Anechoic Chamber	MRDIANZI	FAC-3M	MR009	2022-08-17	2025-08-16
10	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A
11	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2021-08-29	2024-08-28
12	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2021-09-12	2024-09-11
13	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2021-09-05	2024-09-04
14	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2021-08-29	2024-08-28
15	Broadband Preamplifier	SCHWARZBECK	BBV9719	9719-025	2021-08-29	2024-08-28
16	EMI Test Receiver	R&S	ESR 7	101181	2023-08-15	2024-08-14
17	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2023-07-17	2024-07-16
18	Low-frequency amplifier	SchwarzZBECK	BBV9745	00253	2023-10-18	2024-10-17
19	High-frequency amplifier	JS Denki Pte	PA0118-43	JSPA21009	2023-10-18	2024-10-17
20	WIDEBAND RADIO COMMUNICATION TESTER	R&S	CMW 500	103818	2023-06-09	2024-06-08
21	RF Filter	Micro-Tronics	BRC50718	017	2023-10-18	2024-10-17
22	RF Filter	Micro-Tronics	BRC50719	011	2023-10-18	2024-10-17
23	RF Filter	Micro-Tronics	BRC50720	011	2023-10-18	2024-10-17
24	RF Filter	Micro-Tronics	BRC50721	013	2023-10-18	2024-10-17
25	RF Filter	Micro-Tronics	BRM50702	195	2023-08-15	2024-08-14
26	6dB Attenuator	/	100W/6dB	1172040	2023-06-09	2024-06-08
27	3dB Attenuator	/	2N-3dB	/	2023-10-18	2024-10-17





5. PHOTOGRAPHS OF TEST SETUP

Please refer to separated files Appendix D for Photographs of Test Setup_RF.

6. PHOTOGRAPHS OF THE EUT

Please refer to separated files Appendix C for Photographs of The EUT.





Annex A

Transmitter maximum output power

The worst test result of maximum output power for WCDMA Band I

Test Condition		Measure Result (dBm)			Nominal Output Power (dBm)	Conclusion
Temperature (°C)	Voltage (Vdc)	Low Channel 9612	Middle Channel 9750	High Channel 9888		
TL	VL	22.82	22.85	22.88	24	Pass
	VN	23.13	23.14	23.09		Pass
	VH	23.01	22.95	22.97		Pass
TN	VL	23.34	23.38	23.40		Pass
	VN	23.46	23.43	23.45		Pass
	VH	23.01	23.01	22.98		Pass
TH	VL	23.05	23.00	23.00		Pass
	VN	22.76	22.81	22.84		Pass
	VH	22.96	22.97	22.97		Pass

The worst test result of maximum output power for WCDMA Band I (HSUPA)

Test Condition		Measure Result (dBm)			Nominal Output Power (dBm)	Conclusion
Temperature (°C)	Voltage (Vdc)	Low Channel 9612	Middle Channel 9750	High Channel 9888		
TL	VL	21.43	21.48	21.52	24	Pass
	VN	22.24	22.24	22.31		Pass
	VH	21.99	21.95	21.93		Pass
TN	VL	22.08	22.12	22.12		Pass
	VN	22.35	22.28	22.29		Pass
	VH	22.04	22.04	22.05		Pass
TH	VL	21.72	21.68	21.69		Pass
	VN	22.16	22.16	22.15		Pass
	VH	21.57	21.62	21.60		Pass

The worst test result of maximum output power for WCDMA Band I (HSDPA)

Test Condition		Measure Result (dBm)			Nominal Output Power (dBm)	Conclusion
Temperature (°C)	Voltage (Vdc)	Low Channel 9612	Middle Channel 9750	High Channel 9888		
TL	VL	21.97	21.92	22.00	24	Pass
	VN	22.07	22.08	22.03		Pass
	VH	21.88	21.89	21.88		Pass
TN	VL	22.16	22.12	22.06		Pass
	VN	22.87	22.95	22.91		Pass
	VH	22.08	22.05	21.98		Pass
TH	VL	21.94	21.94	22.01		Pass
	VN	21.82	21.84	21.88		Pass
	VH	21.61	21.54	21.48		Pass



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The worst test result of maximum output power for WCDMA Band VIII

Test Condition		Measure Result (dBm)			Nominal Output Power (dBm)	Conclusion
Temperature (°C)	Voltage (Vdc)	Low Channel 2713	Middle Channel 2788	High Channel 2862		
TL	VL	22.56	22.55	22.59	24	Pass
	VN	23.07	23.12	23.06		Pass
	VH	23.00	23.00	22.93		Pass
TN	VL	22.93	22.97	22.90		Pass
	VN	23.38	23.46	23.48		Pass
	VH	23.16	23.17	23.15		Pass
TH	VL	22.95	22.93	22.94		Pass
	VN	22.81	22.83	22.81		Pass
	VH	23.06	23.02	23.01		Pass

The worst test result of maximum output power for WCDMA Band VIII (HSUPA)

Test Condition		Measure Result (dBm)			Nominal Output Power (dBm)	Conclusion
Temperature (°C)	Voltage (Vdc)	Low Channel 2713	Middle Channel 2788	High Channel 2862		
TL	VL	21.78	21.82	21.88	24	Pass
	VN	22.03	22.06	22.10		Pass
	VH	21.88	21.95	21.98		Pass
TN	VL	22.67	22.69	22.67		Pass
	VN	22.08	22.11	22.11		Pass
	VH	22.12	22.17	22.17		Pass
TH	VL	21.76	21.74	21.74		Pass
	VN	21.65	21.67	21.73		Pass
	VH	22.10	22.15	22.09		Pass

The worst test result of maximum output power for WCDMA Band VIII (HSDPA)

Test Condition		Measure Result (dBm)			Nominal Output Power (dBm)	Conclusion
Temperature (°C)	Voltage (Vdc)	Low Channel 2713	Middle Channel 2788	High Channel 2862		
TL	VL	22.23	22.22	22.28	24	Pass
	VN	21.81	21.76	21.79		Pass
	VH	22.00	21.97	21.95		Pass
TN	VL	22.39	22.36	22.32		Pass
	VN	22.23	22.25	22.25		Pass
	VH	21.97	21.95	21.96		Pass
TH	VL	22.01	22.04	22.08		Pass
	VN	21.56	21.56	21.48		Pass
	VH	21.86	21.87	21.82		Pass



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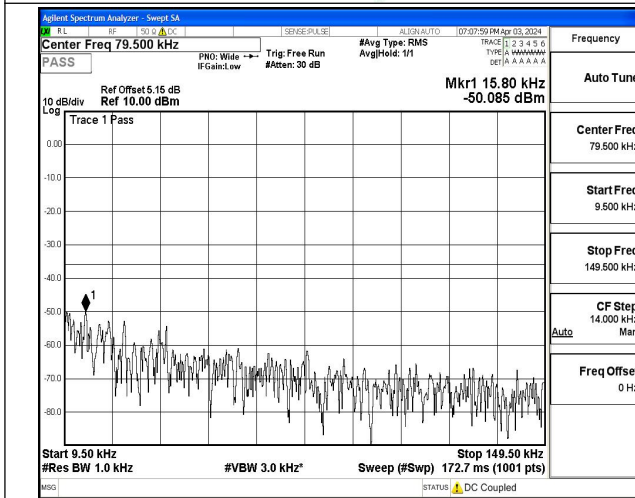
Scan code to check authenticity



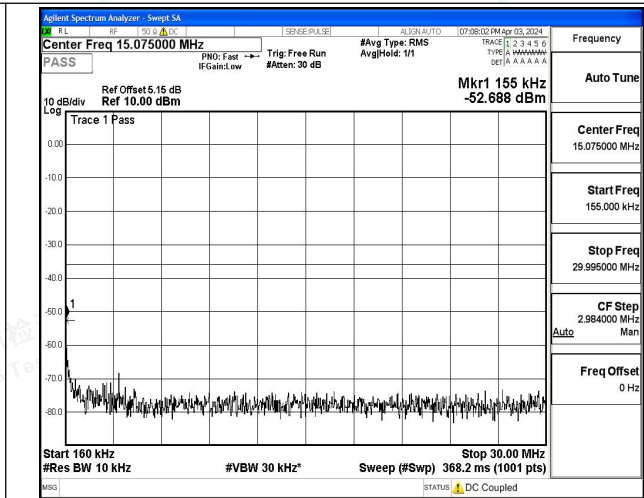
Transmitter spurious emissions

(Note: Only Record The Worst Test Result.)

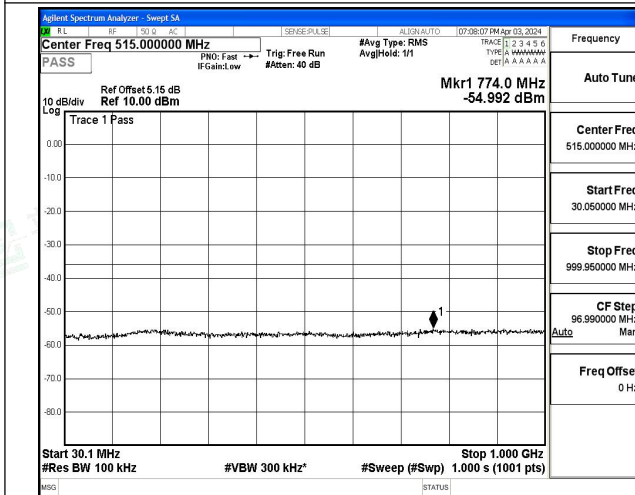
The Worst Test Result of Spurious Emissions for Band I (Middle Channel, Traffic)



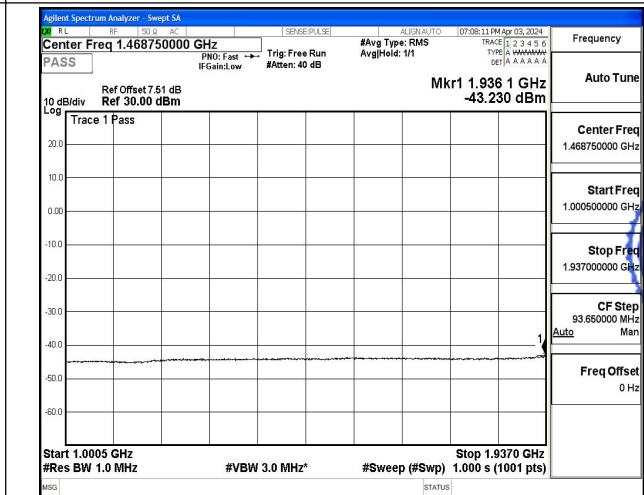
9.5KHz~149.5KHz



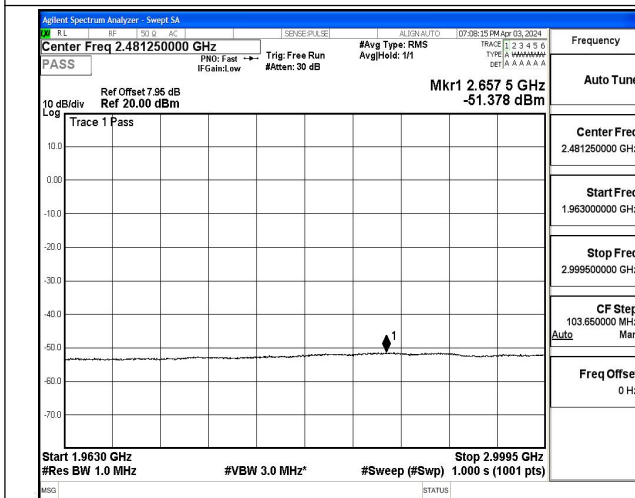
160KHz~30MKHz



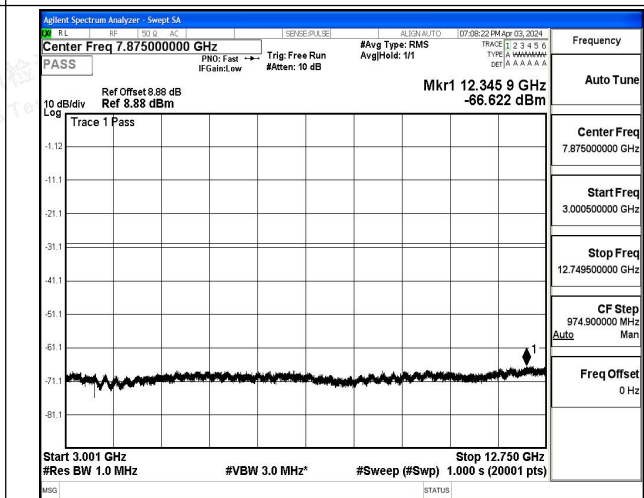
30.1MKHz~1GHz



1.005GHz~1.937GHz



1.963GHz~2.9995GHz



3.001GHz~12.75GHz



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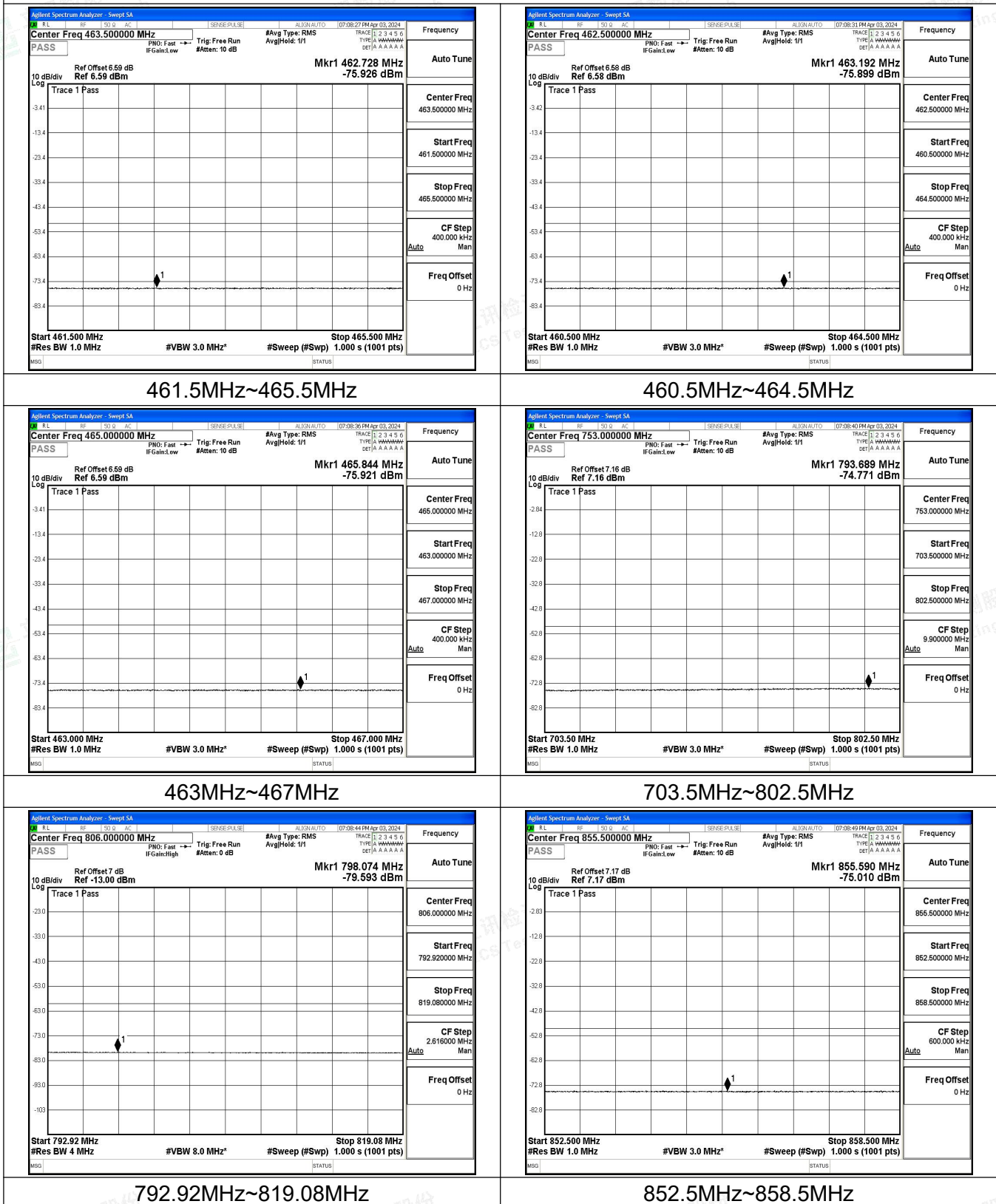
Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

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The Worst Test Result of Spurious Emissions for Band I (Middle Channel, Traffic)



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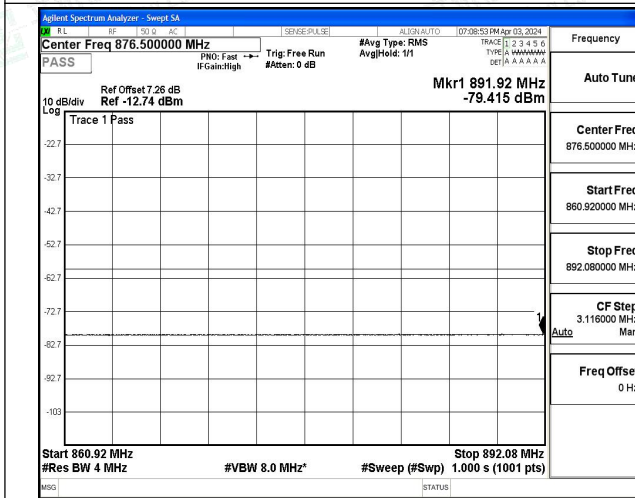
Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

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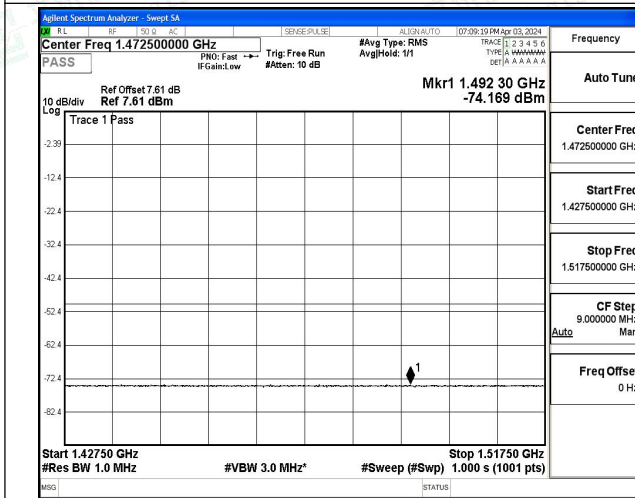


The Worst Test Result of Spurious Emissions for Band I (Middle Channel, Traffic)

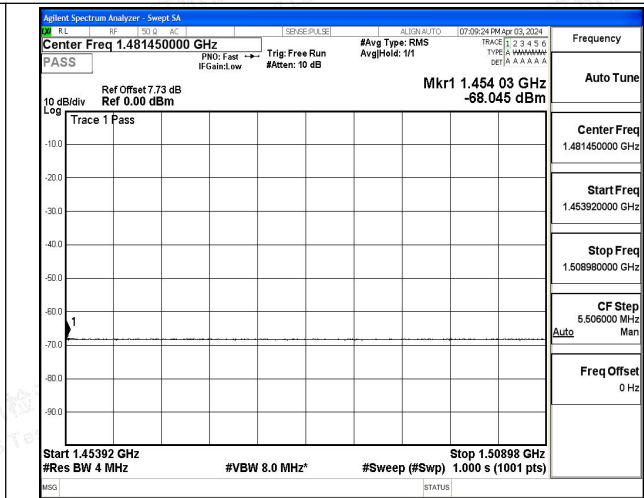




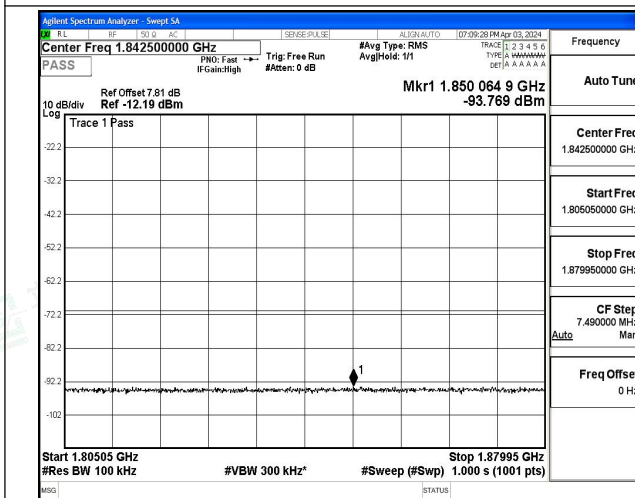
The Worst Test Result of Spurious Emissions for Band I (Middle Channel, Traffic)



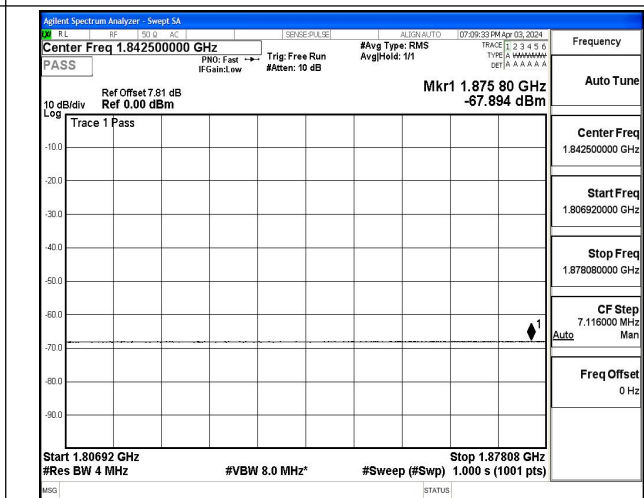
1.4275GHz~1.5175GHz



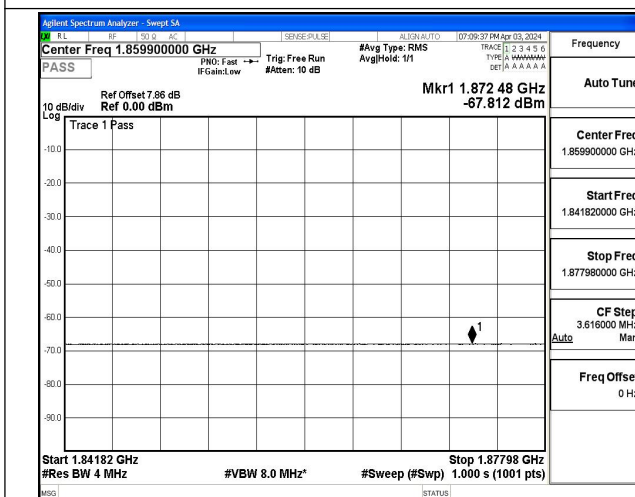
1.45392GHz~1.50898GHz



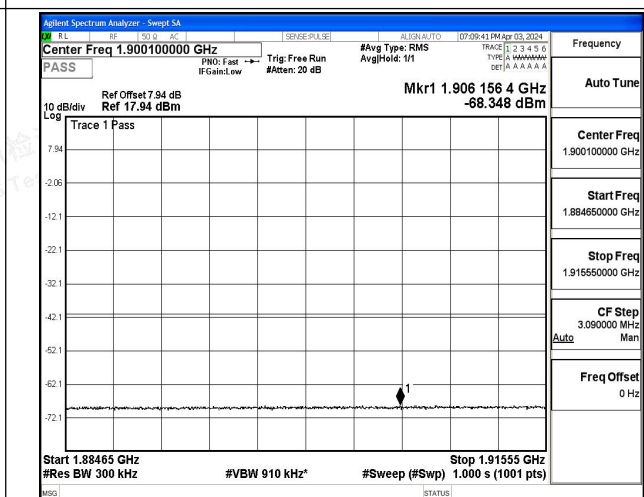
1.80505GHz~1.87995GHz



1.80692GHz~1.87808GHz



1.84182GHz~1.87798GHz



1.88465GHz~1.91555GHz



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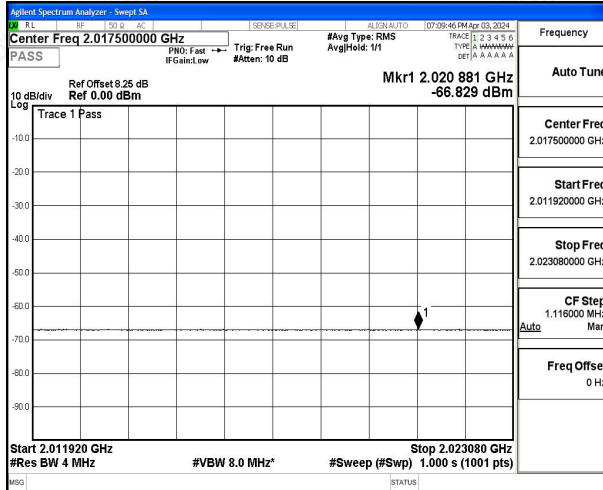
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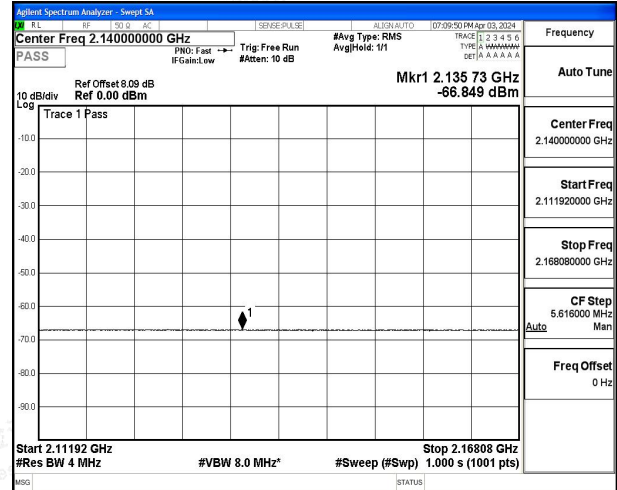
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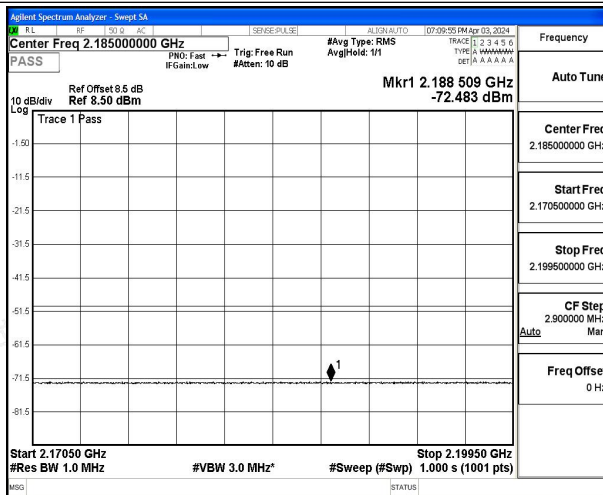
The Worst Test Result of Spurious Emissions for Band I (Middle Channel, Traffic)



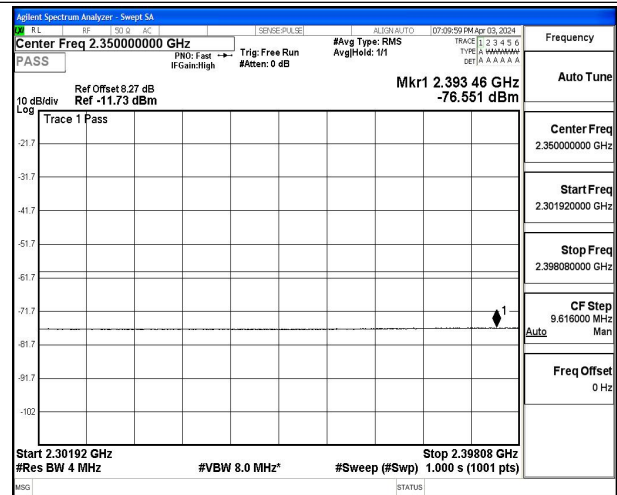
2.01192GHz~2.02308GHz



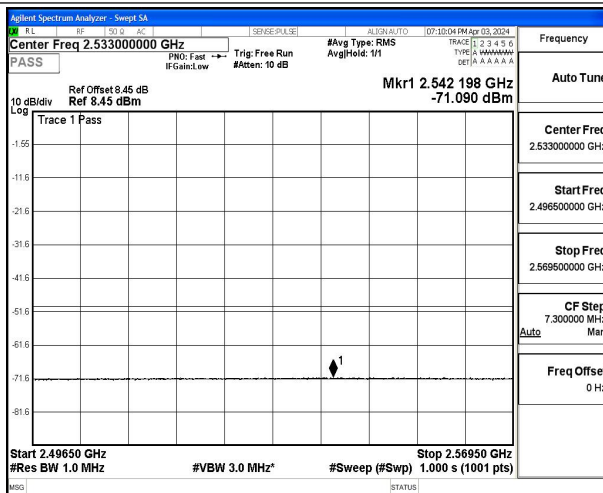
2.11192GHz~2.16808GHz



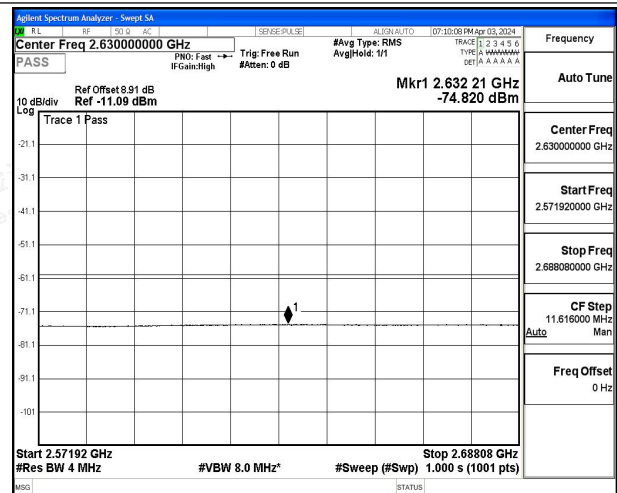
2.1705GHz~2.1995GHz



2.30192GHz~2.39808GHz



2.4965GHz~2.5695GHz



2.57192GHz~2.68808GHz

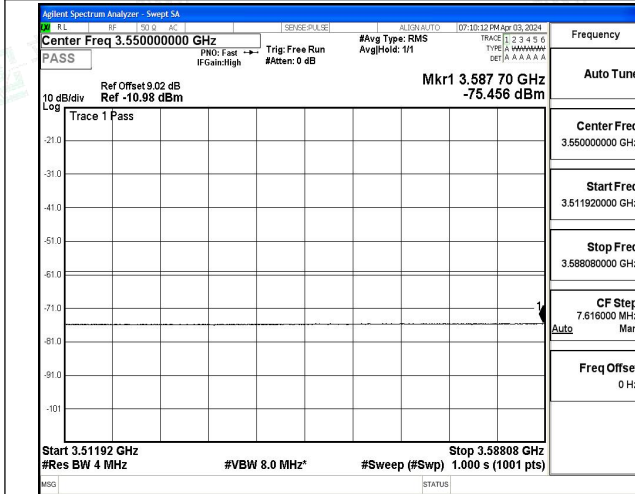


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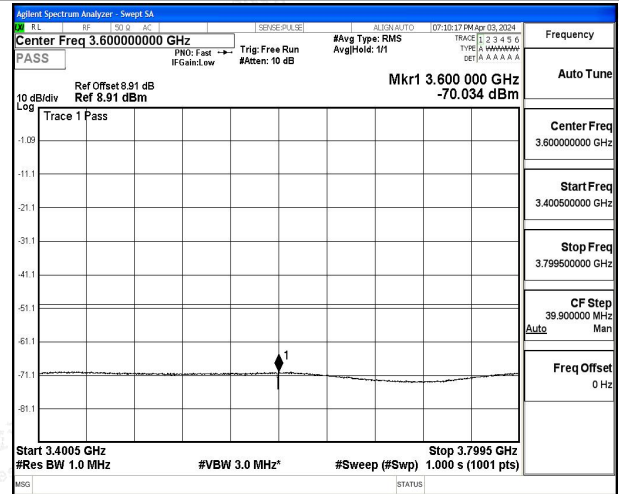
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**The Worst Test Result of Spurious Emissions for Band I (Middle Channel, Traffic)**

3.51192GHz~3.58808GHz



3.4005GHz~3.7995GHz



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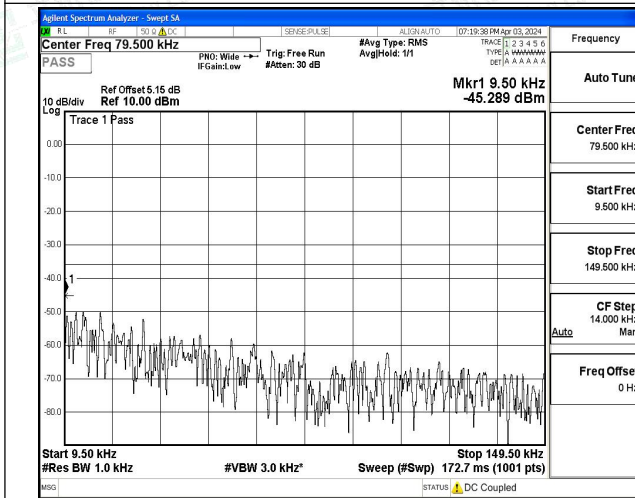
Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

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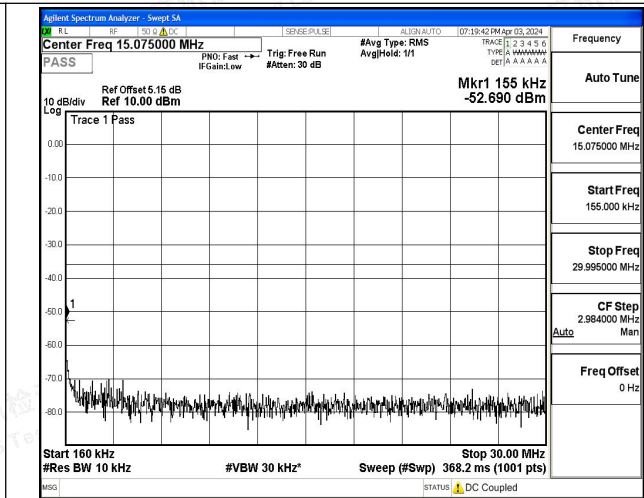
Scan code to check authenticity



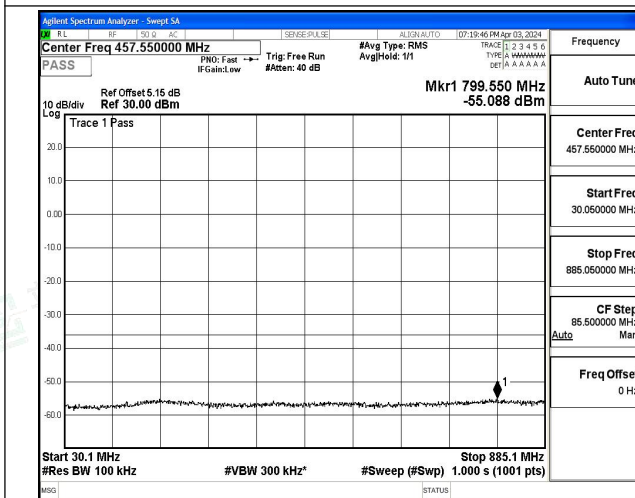
The Worst Test Result of Spurious Emissions for Band VIII (Middle Channel, Traffic)



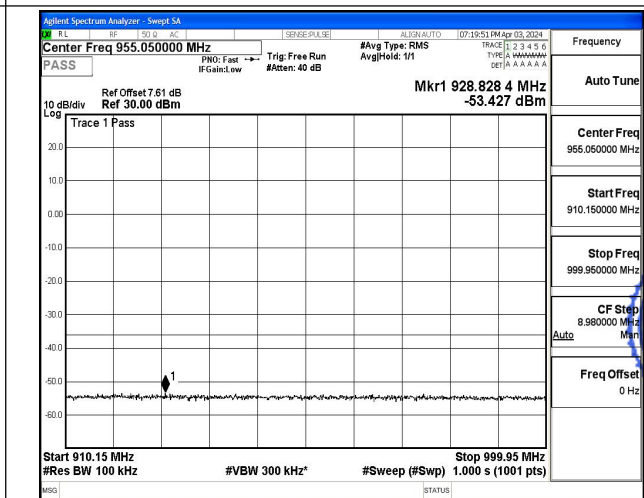
9.5KHz~149.5KHz



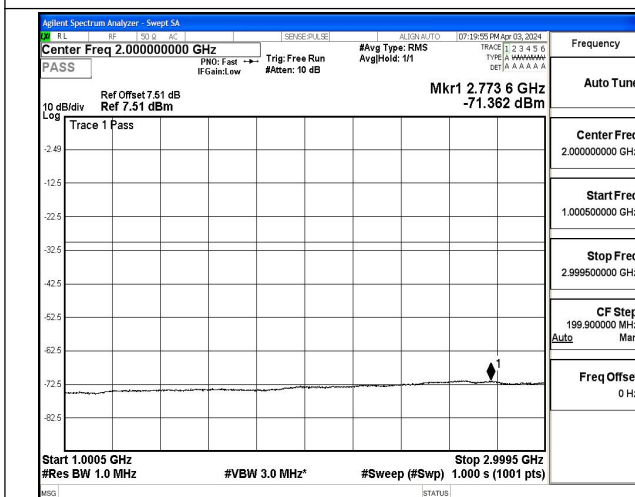
160KHz~30MHz



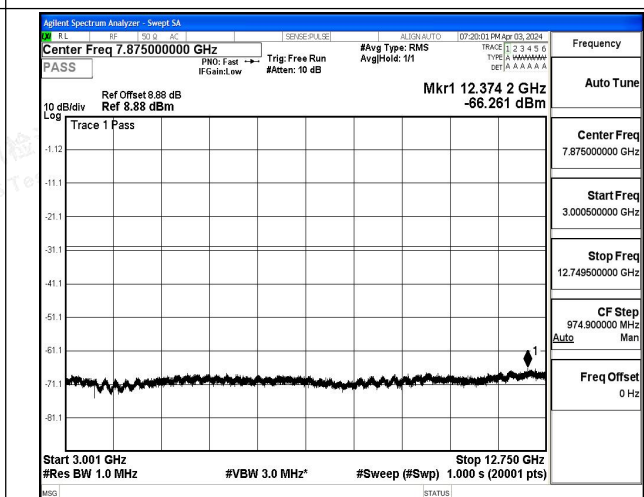
30.1MHz~885.1MHz



910.15MHz~999.95MHz



1.0005GHz~2.9995GHz



3.001GHz~12.75GHz



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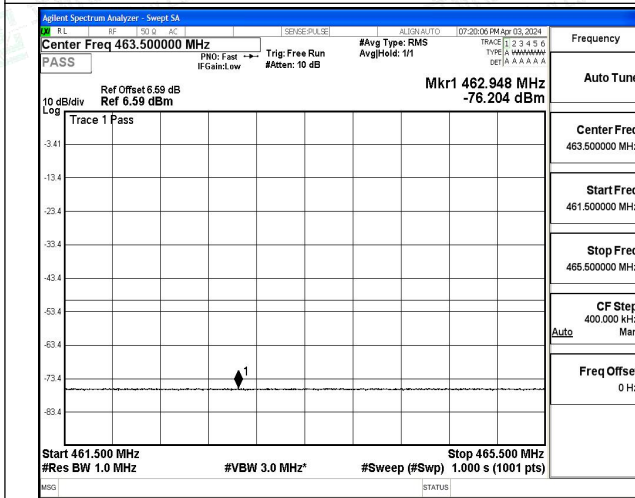
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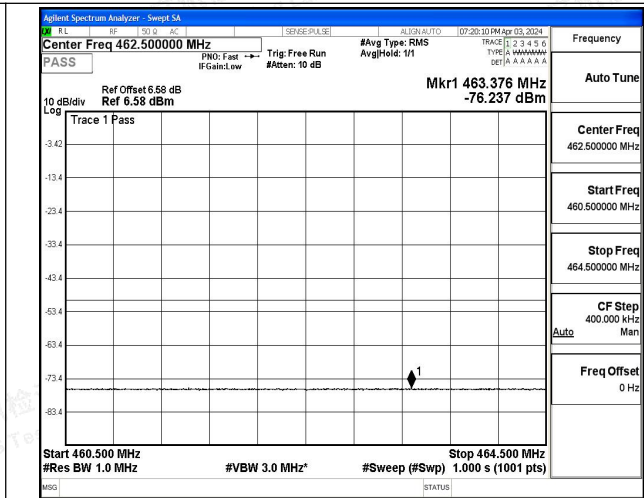
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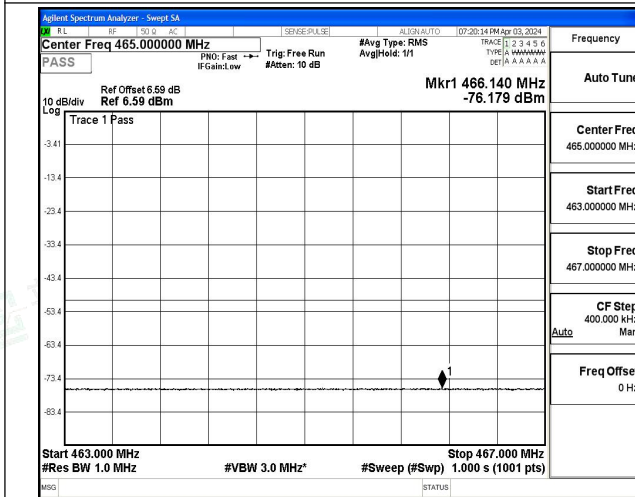
The Worst Test Result of Spurious Emissions for Band VIII (Middle Channel, Traffic)



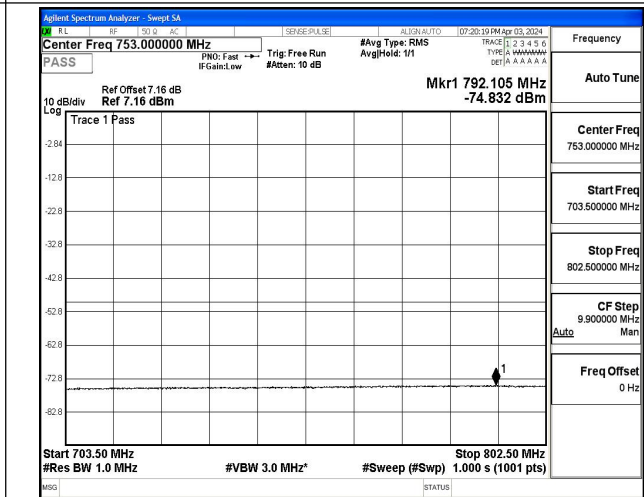
461.5MHz~465.5MHz



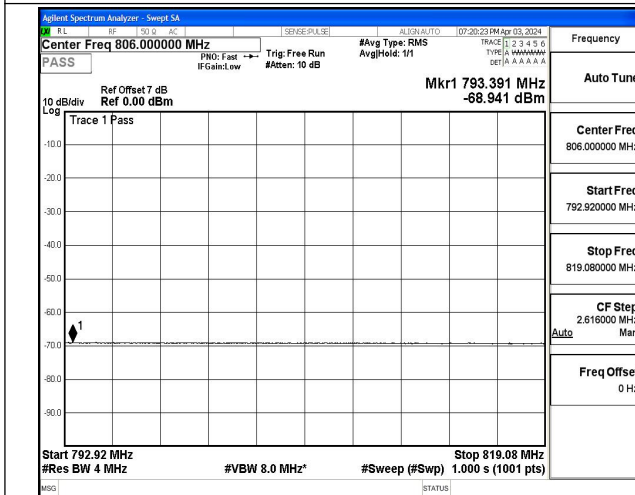
460.5MHz~464.5MHz



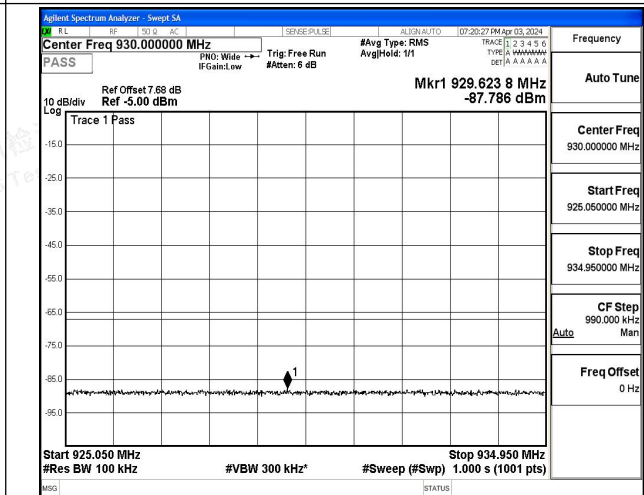
463MHz~467MHz



703.5MHz~802.5MHz



792.92MHz~819.08MHz



952.05MHz~934.95MHz



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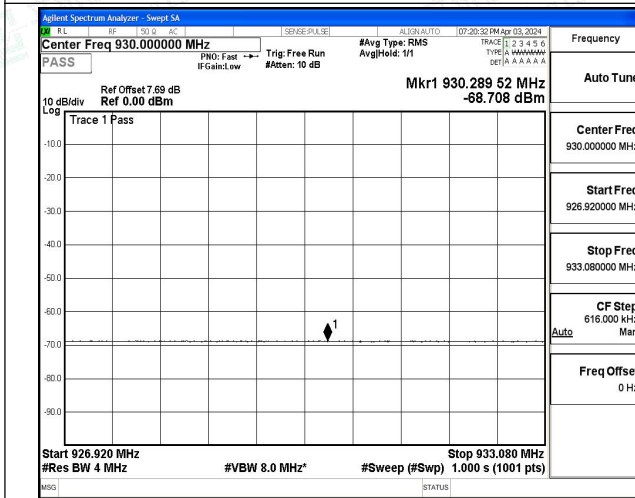
Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

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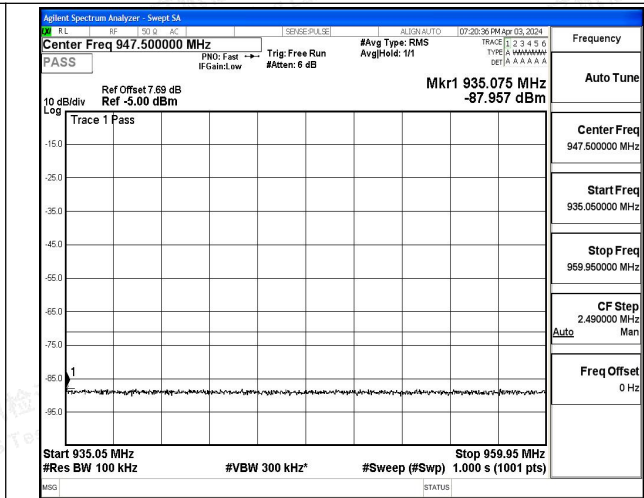
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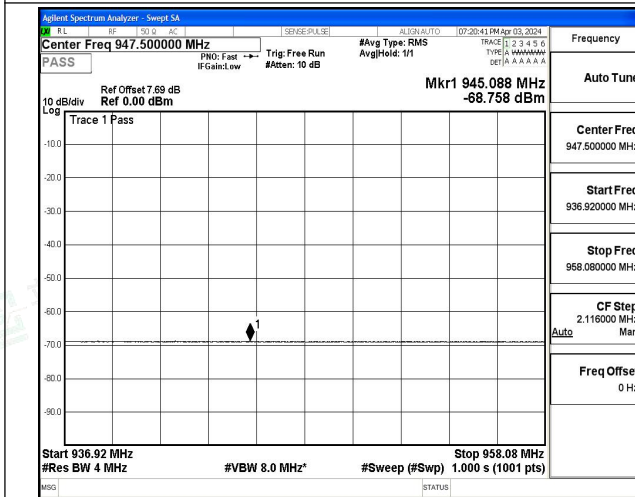
The Worst Test Result of Spurious Emissions for Band VIII (Middle Channel, Traffic)



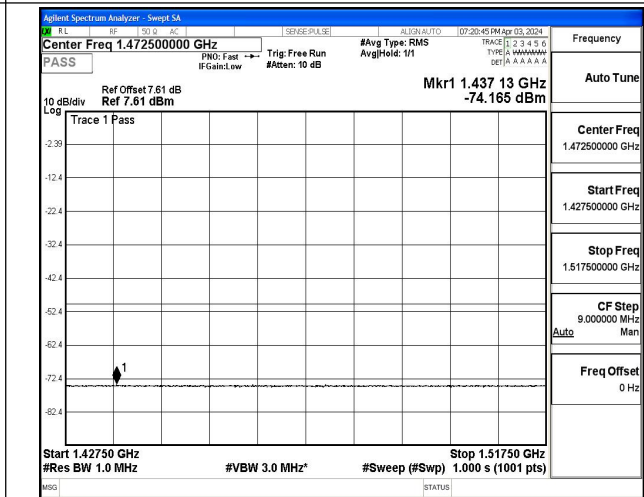
926.92MHz~933.08MHz



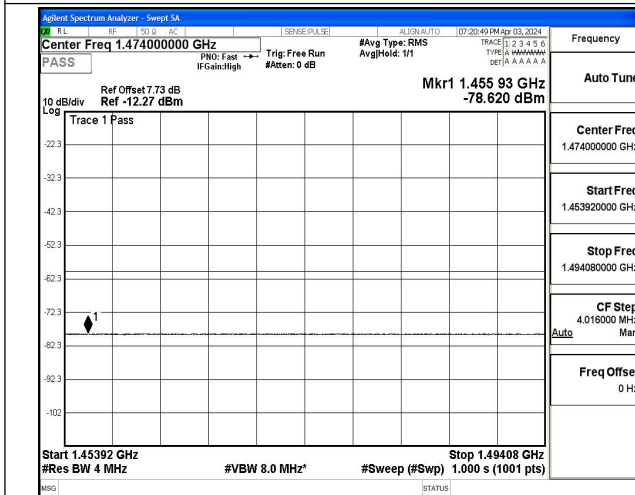
935.05MHz~959.95MHz



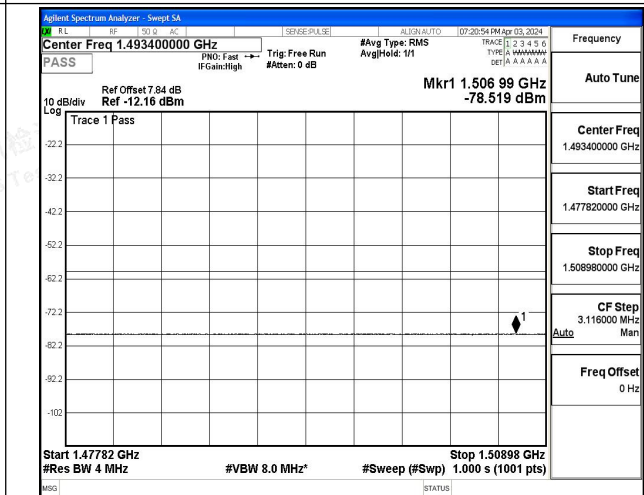
936.92MHz~958.08MHz



1.4275GHz~1.5175GHz



1.45392GHz~1.49408GHz



1.47782GHz~1.50898GHz



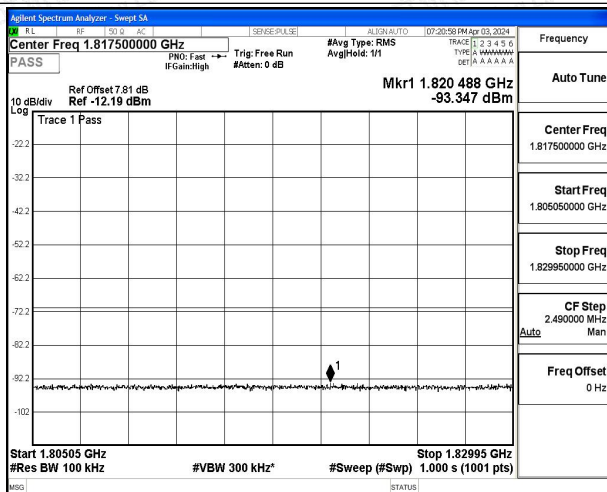
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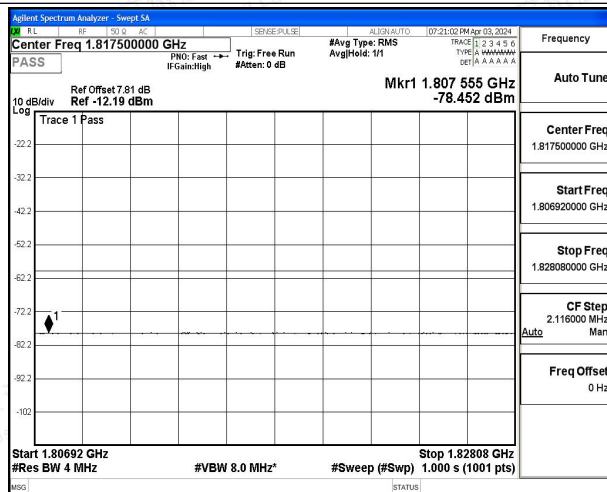
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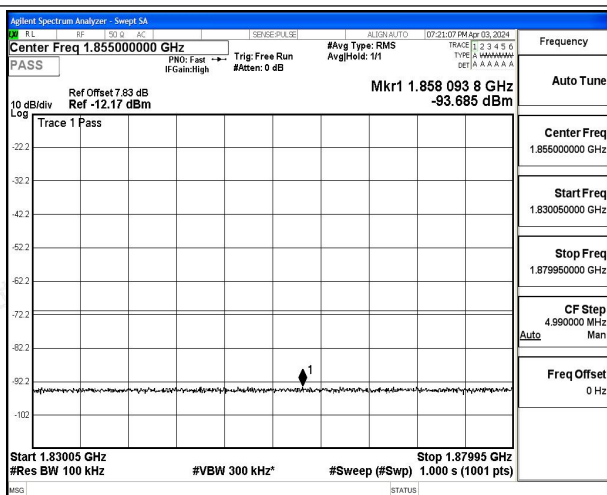
The Worst Test Result of Spurious Emissions for Band VIII (Middle Channel, Traffic)



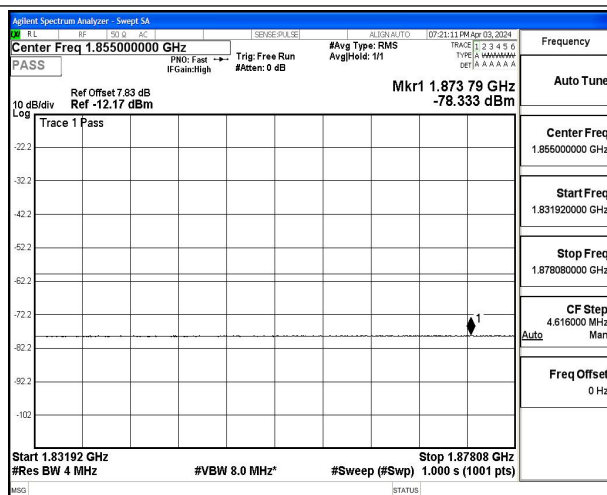
1.80505GHz~1.82995GHz



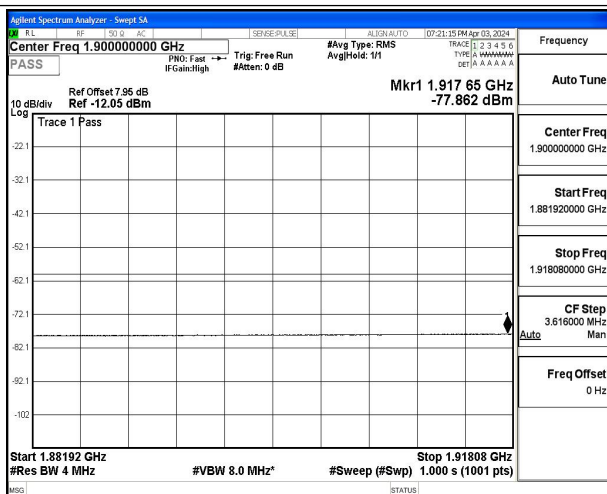
1.80692GHz~1.82808GHz



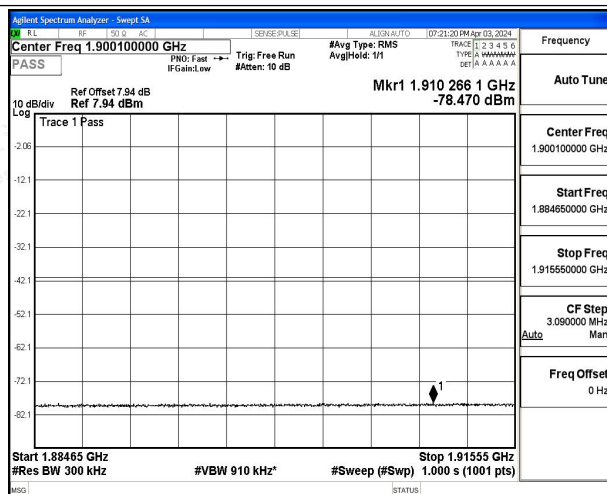
1.83005GHz~1.87995GHz



1.83192GHz~1.87808GHz



1.88192GHz~1.91808GHz



1.88465GHz~1.91555GHz



Shenzhen LCS Compliance Testing Laboratory Ltd.

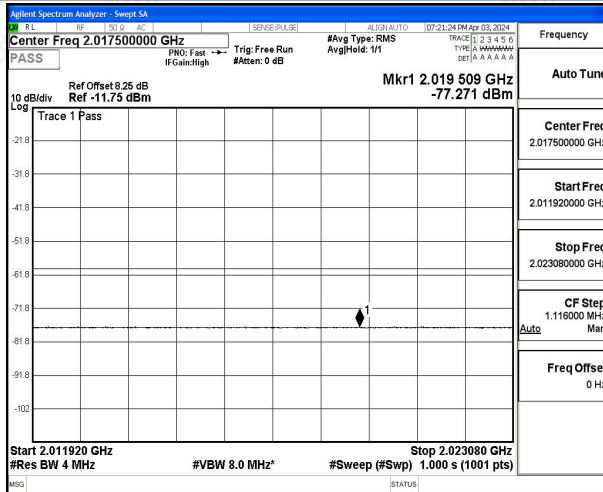
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

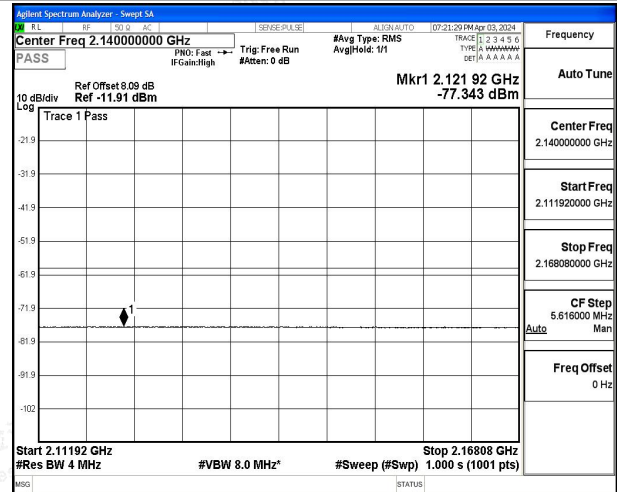
Scan code to check authenticity



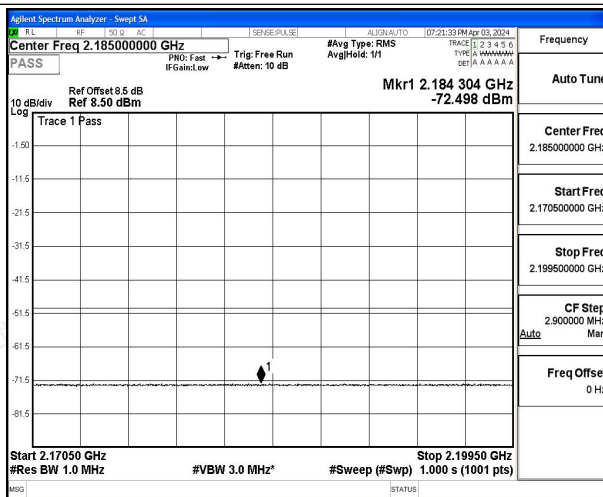
The Worst Test Result of Spurious Emissions for Band VIII (Middle Channel, Traffic)



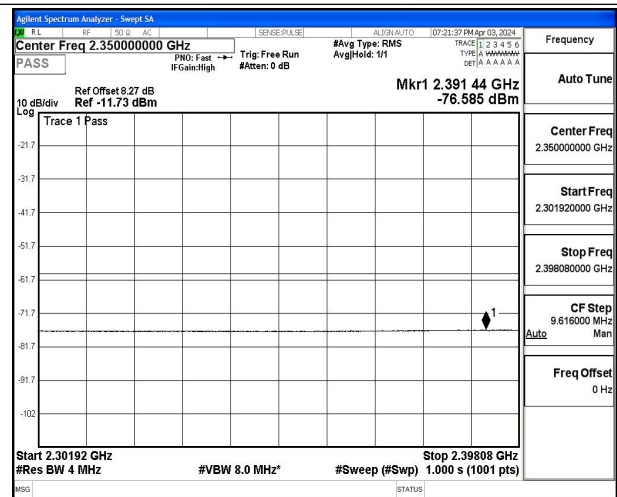
2.01192GHz~2.02308GHz



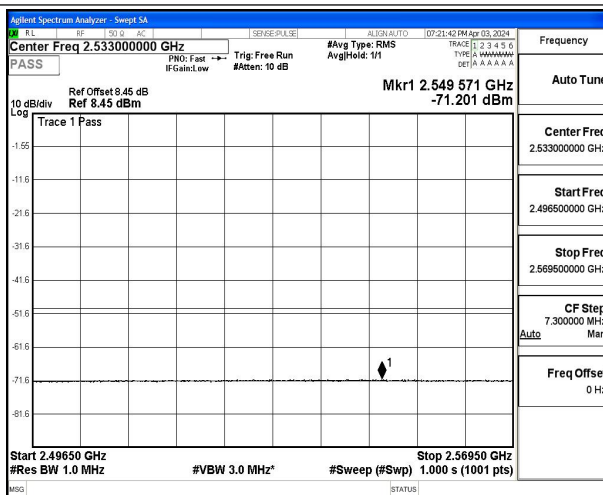
2.11192GHz~2.16808GHz



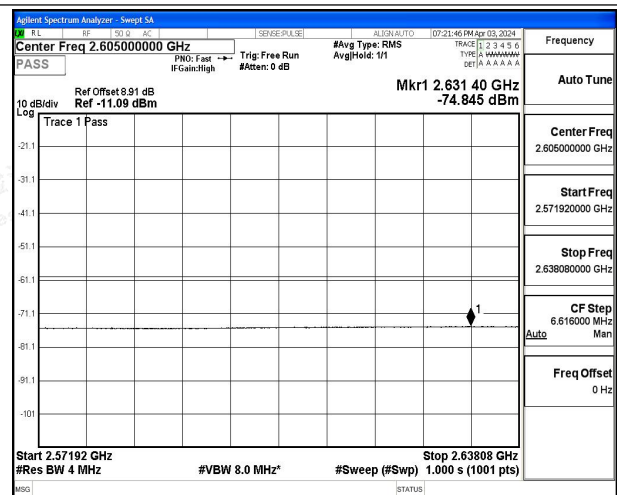
2.1705GHz~2.1995GHz



2.30192GHz~2.39808GHz



2.4965GHz~2.5695GHz



2.57192GHz~2.63808GHz



Shenzhen LCS Compliance Testing Laboratory Ltd.

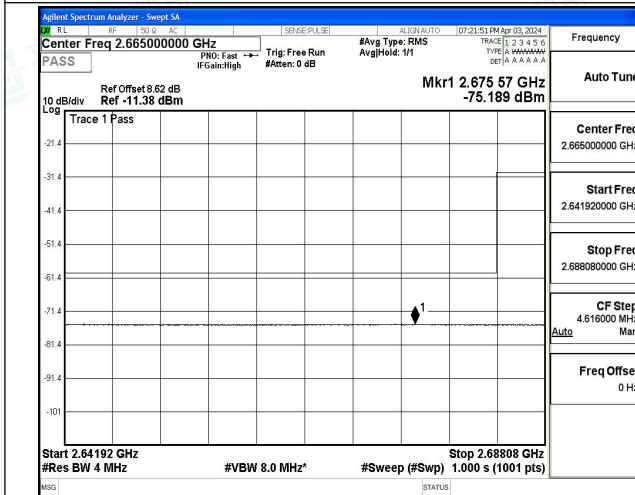
Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

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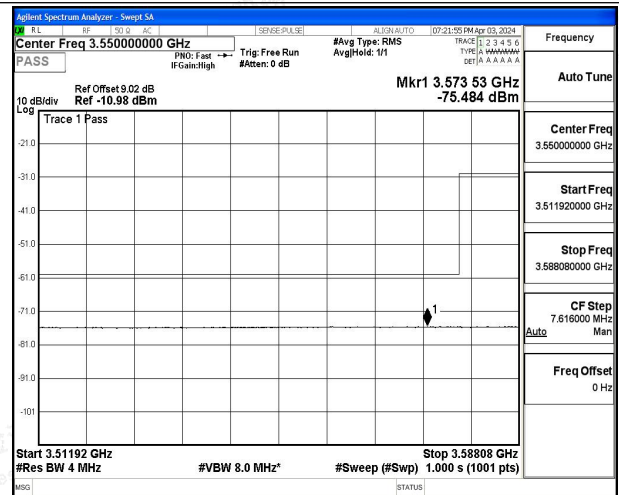
Scan code to check authenticity



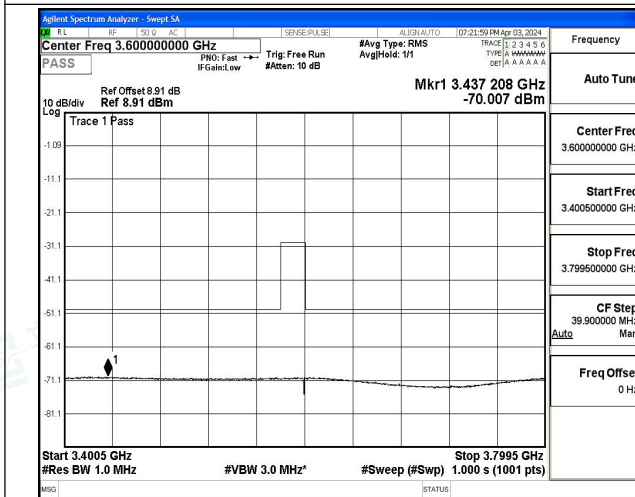
The Worst Test Result of Spurious Emissions for Band VIII (Middle Channel, Traffic)



2.64192GHz~2.68808GHz



3.51192GHz~3.58808GHz



3.4005GHz~3.7995GHz





Transmitter spurious emissions

Radiated spurious emissions - MS allocated a channel(Worst Case)

WCDMA Band I: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
51.93	Horizontal	-70.62	-36.00	Pass
723.15	H	-74.34	-36.00	
3824.20	H	-66.77	-30.00	
5731.11	H	-55.12	-30.00	
7643.34	H	-58.29	-30.00	
WCDMA Band I: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
54.00	Vertical	-77.11	-36.00	Pass
903.52	V	-72.52	-36.00	
3820.53	V	-67.80	-30.00	
5734.37	V	-60.85	-30.00	
7643.03	V	-60.07	-30.00	

WCDMA Band VIII: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
53.56	Horizontal	-72.39	-36.00	Pass
803.87	H	-70.58	-36.00	
1284.56	H	-65.18	-30.00	
2585.51	H	-51.67	-30.00	
3505.18	H	-53.85	-30.00	
WCDMA Band VIII: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
51.44	Vertical	-77.88	-36.00	Pass
720.65	V	-77.38	-36.00	
1283.30	V	-65.21	-30.00	
2580.49	V	-51.69	-30.00	
3503.91	V	-58.18	-30.00	



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Radiated spurious emissions - MS in Idle Mode(Worst Case)

WCDMA Band I: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
56.74	Horizontal	-71.36	-57.00	Pass
777.14	H	-70.03	-57.00	
1793.75	H	-69.32	-47.00	
2709.37	H	-52.79	-47.00	
3613.51	H	-50.85	-47.00	
WCDMA Band I: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
54.46	Vertical	-73.06	-57.00	Pass
935.68	V	-77.31	-57.00	
1790.28	V	-67.90	-47.00	
2703.10	V	-53.86	-47.00	
3614.44	V	-53.61	-47.00	

WCDMA Band VIII: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
50.29	Horizontal	-77.05	-57.00	Pass
732.75	H	-80.68	-57.00	
1700.91	H	-63.80	-47.00	
2676.95	H	-59.56	-47.00	
3246.60	H	-59.01	-47.00	
WCDMA Band VIII: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
53.36	Vertical	-70.66	-57.00	Pass
750.40	V	-72.60	-57.00	
1697.82	V	-62.19	-47.00	
2673.61	V	-54.43	-47.00	
3248.56	V	-60.36	-47.00	

-----THE END OF REPORT-----



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