



RADIO TEST REPORT

For

myFirst Tech Asia Pte. Ltd.

myFirst Fone R1s、myFirst Fone R1c

Test Model: KW1305

Additional Model No.: myFirst Fone R

Prepared for	: myFirst Tech Asia Pte. Ltd.
Address	: 31 Woodlands Close,#01-22Woodlands Horizon Singapore 737855
Prepared by	: 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
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Web	: www.LCS-cert.com
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Date of receipt of test sample	: November 25, 2023
Number of tested samples	: 2
Serial number	: Prototype
Date of Test	: November 25, 2023 ~ January 05, 2024
Date of Report	: January 06, 2024





RADIO TEST REPORT	
ETSI EN 301 908-1 V13.1.1 (2019-11) & ETSI EN 301 908-2 V13.1.1 (2020-06)	
Report Reference No.	LCSA11253005EG
Date of Issue	January 06, 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	myFirst Tech Asia Pte. Ltd.
Address	31 Woodlands Close, #01-22 Woodlands Horizon Singapore 737855
Test Specification	
Standard	ETSI EN 301 908-1 V13.1.1 (2019-11) 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 : myFirst Fone R1s、myFirst Fone R1c	
Trade Mark	myFirst
Test Model	KW1305
Ratings	Input: 5V=1A Battery: DC 3.8V, 605mAh
Result	Positive

Compiled by:

Li Huan/ Administrator

Supervised by:

Cary Luo/ Technique principal

Approved by:

Gavin Liang/ Manager



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RADIO -- TEST REPORT

Test Report No. : LCSA11253005EG	January 06, 2024 Date of issue
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Test Model.....	: KW1305
EUT.....	: myFirst Fone R1s、myFirst Fone R1c
Applicant	: myFirst Tech Asia Pte. Ltd.
Address.....	: 31 Woodlands Close,#01-22Woodlands Horizon Singapore 737855
Telephone.....	: /
Fax.....	: /
Manufacturer	: myFirst Tech Asia Pte. Ltd.
Address.....	: 31 Woodlands Close,#01-22Woodlands Horizon Singapore 737855
Telephone.....	: /
Fax.....	: /
Factory	: UMEON Innovations Co.,Ltd
Address.....	: Room 08-09, Floor 12, KeYan Bldg, Tsinghua High Tech Park, XinDong Road 1, NanShan, Shenzhen, China
Telephone.....	: /
Fax.....	: /

Test Result	Positive
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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	January 06, 2024	Initial Issue	---





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1. GENERAL INFORMATION

1.1. Product Description for Equipment Under Test (EUT)

EUT	: myFirst Fone R1s、myFirst Fone R1c
Test Model	: KW1305
Additional Model No.	: myFirst Fone R
Model Declaration	: PCB board, structure and internal of these model(s) are the same, : So no additional models were tested
Power Supply	: Input: 5V \pm 1A Battery: DC 3.8V, 605mAh
Hardware Version	: S11N-MB-V2.0
Software Version	: /
Bluetooth	:
Frequency Range	: 2402MHz~2480MHz
Channel Number	: 79 channels for Bluetooth V4.2 (BDR/EDR) 40 channels for Bluetooth V4.2 (BT LE)
Channel Spacing	: 1MHz for Bluetooth V4.2 (BDR/EDR) 2MHz for Bluetooth V4.2 (BT LE)
Modulation Type	: GFSK, $\pi/4$ -DQPSK for Bluetooth V4.2 (BDR/EDR) GFSK for Bluetooth V4.2 (BT LE)
Bluetooth Version	: V4.2
Antenna Description	: LDS Antenna, -0.2dBi(Max.)
WIFI(2.4G Band)	:
Frequency Range	: 2412MHz~2472MHz
Channel Spacing	: 5MHz
Channel Number	: 13 Channel for 20MHz bandwidth(2412~2472MHz)
Modulation Type	: 802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: LDS Antenna, -0.2dBi(Max.)
2G	:
Support Band	: <input checked="" type="checkbox"/> GSM 900 (EU-Band) <input checked="" type="checkbox"/> DCS 1800 (EU-Band) <input type="checkbox"/> GSM 850 (U.S.-Band) <input type="checkbox"/> 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



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Downlink : GSM 900: 925MHz~960MHz
DCS 1800: 1805MHz~1880MHz
Type Of Modulation : GMSK for GSM/GPRS; GMSK/8PSK for EGPRS
Antenna Description : LDS Antenna
-3.2dBi (max.) For GSM 900
-0.7dBi (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 II (U.S.-Band)
☐ WCDMA Band V (U.S.-Band)
☐ WCDMA Band IV (U.S.-Band)
☒ WCDMA Band I (EU-Band)
☒ WCDMA Band VIII (EU-Band)
Release Version : R9
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 : LDS Antenna
-0.6dBi (max.) For WCDMA Band I
-3.2dBi (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)
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



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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
Type Of Modulation : QPSK/16QAM
Antenna Description : LDS Antenna
-0.5dBi (max.) For E-UTRA Band 1
-0.7dBi (max.) For E-UTRA Band 3
-0.2dBi (max.) For E-UTRA Band 7
-3.2dBi (max.) For E-UTRA Band 8
-2.5dBi (max.) For E-UTRA Band 20
-3.5dBi (max.) For E-UTRA Band 28
-0.2dBi (max.) For E-UTRA Band 38
Power Class : Class 3
GPS Receiver :
Receive Frequency : 1575.42MHz
Channel Number : 1
Antenna Description : LDS Antenna, -0.9dBi(Max.)
GLONASS Receiver :
Receive Frequency : 1602.5625MHz
Channel Number : 1
Antenna Description : LDS Antenna, -0.9dBi(Max.)





1.2. Support Equipment List

Manufacturer	Description	Model	Serial Number	Certificate
ShenZhen BaiJunda Electronic Co., Ltd.	Power Adapter	UT-580S-5100UY	---	CE

Note: The adapter is supplied by lab and only use tested.

1.3. External I/O

I/O Port Description	Quantity	Cable
Power Port	1	USB Cable: 1.0m, 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 V13.1.1 (2019-11) & ETSI EN 301 908-2 V13.1.1 (2020-06).

1.5. Test Conditions

Conditions	Temperature	Voltage
Normal	21-25°C	DC 3.8V
Low extreme Temperature/Low extreme Voltage (TL/VL);	-20°C	DC 3.4V
Low extreme Temperature/High extreme Voltage (TL/VH);	-20°C	DC 4.2V
High extreme Temperature/Low extreme Voltage (TH/VL);	45°C	DC 3.4V
High extreme Temperature/High extreme Voltage (TH/VH).	45°C	DC 4.2V

Note1: For all conditions, the humidity range is:40-75%, the pressure range is 86-106kPa. The High Voltage DC 4.2V and Low Voltage DC 3.4V 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.



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3. SUMMARY OF TEST RESULTS

Test Engineer	:	Taylor Hu
Temperature/ Humidity:	:	22.8°C/ 51.4%

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 3.8V

TH: High extreme Temperature – +45°C

VH: High extreme Voltage – DC 4.2V

TL: Low extreme Temperature – -20°C

VL: Low extreme Voltage – DC 3.4V

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



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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	22.91	23.01	22.81	24	Pass
	VN	22.97	23.02	22.88		Pass
	VH	22.85	22.96	22.76		Pass
TN	VL	23.20	23.28	23.16		Pass
	VN	23.22	23.31	23.17		Pass
	VH	23.16	23.25	23.07		Pass
TH	VL	22.83	22.90	22.72		Pass
	VN	22.88	22.98	22.79		Pass
	VH	22.74	22.91	22.67		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	21.94	21.97	21.88	24	Pass
	VN	21.93	22.01	21.91		Pass
	VH	21.90	21.95	21.84		Pass
TN	VL	22.22	22.30	22.17		Pass
	VN	22.24	22.36	22.21		Pass
	VH	22.16	22.26	22.10		Pass
TH	VL	21.76	21.87	21.72		Pass
	VN	21.80	21.88	21.78		Pass
	VH	21.73	21.80	21.66		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	21.89	21.98	21.83	24	Pass
	VN	21.96	22.02	21.88		Pass
	VH	21.85	21.97	21.79		Pass
TN	VL	22.13	22.19	22.09		Pass
	VN	22.19	22.27	22.13		Pass
	VH	22.09	22.17	22.04		Pass
TH	VL	21.75	21.78	21.69		Pass
	VN	21.78	21.87	21.74		Pass
	VH	21.72	21.78	21.62		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	22.83	22.95	22.76	24	Pass
	VN	22.86	22.97	22.76		Pass
	VH	22.83	22.89	22.81		Pass
TN	VL	23.01	23.20	23.13		Pass
	VN	23.04	23.26	23.21		Pass
	VH	22.96	23.12	23.06		Pass
TH	VL	22.71	22.83	22.76		Pass
	VN	22.75	22.89	22.77		Pass
	VH	22.75	22.78	22.68		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	21.88	21.90	21.87	24	Pass
	VN	21.90	21.96	21.92		Pass
	VH	21.82	21.87	21.81		Pass
TN	VL	22.03	22.20	22.18		Pass
	VN	22.11	22.25	22.19		Pass
	VH	22.04	22.18	22.16		Pass
TH	VL	21.70	21.78	21.73		Pass
	VN	21.76	21.82	21.77		Pass
	VH	21.69	21.72	21.66		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	21.82	21.88	21.85	24	Pass
	VN	21.85	21.97	21.92		Pass
	VH	21.85	21.84	21.84		Pass
TN	VL	21.93	22.10	22.12		Pass
	VN	22.01	22.16	22.12		Pass
	VH	21.92	22.08	22.05		Pass
TH	VL	21.65	21.70	21.70		Pass
	VN	21.70	21.76	21.69		Pass
	VH	21.67	21.66	21.63		Pass



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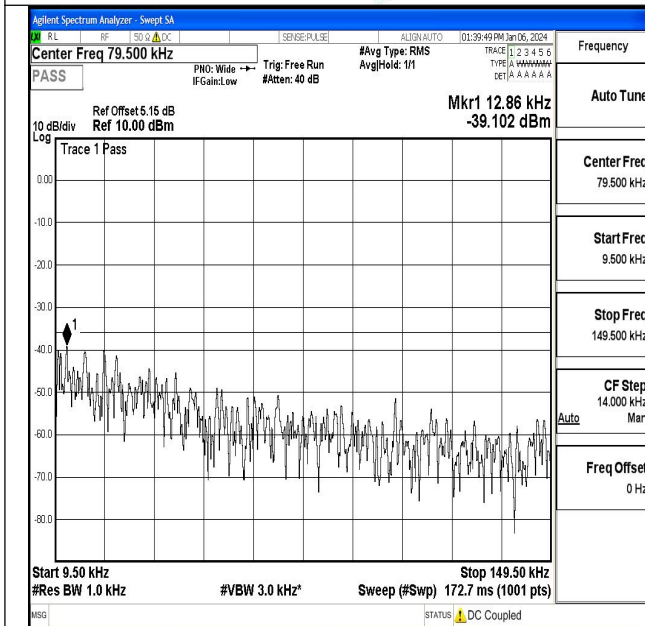
Scan code to check authenticity



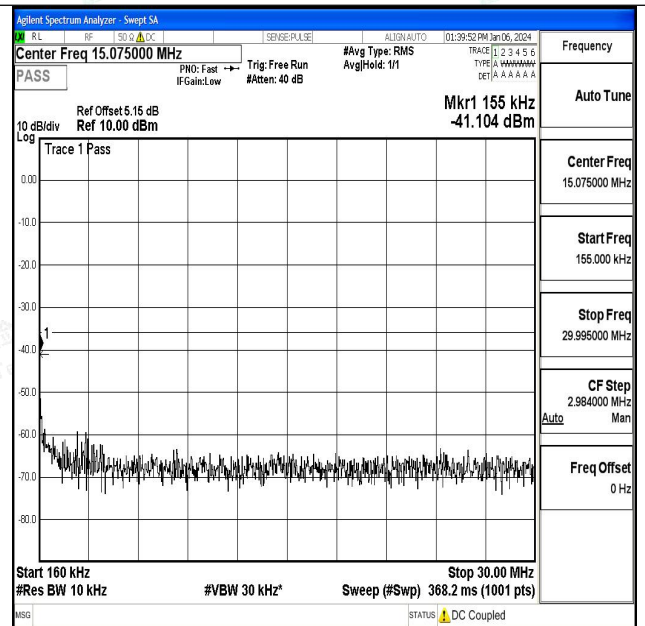
Transmitter spurious emissions

(Note: Only Record The Worst Test Result.)

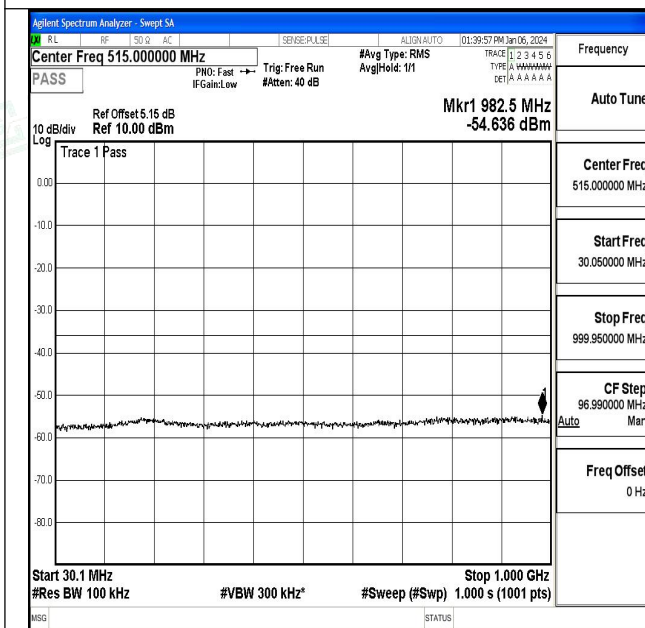
The Worst Test Result of Spurious Emissions for Band I (Middle Channel, Traffic)



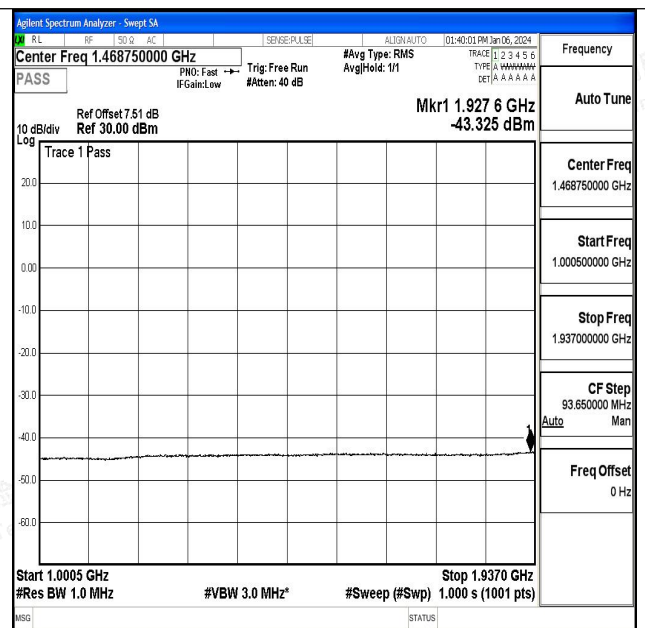
9.50KHz~149.50KHz



160KHz~30.00MHz



30.1MHz~1.000GHz



1.0005GHz~1.9370GHz

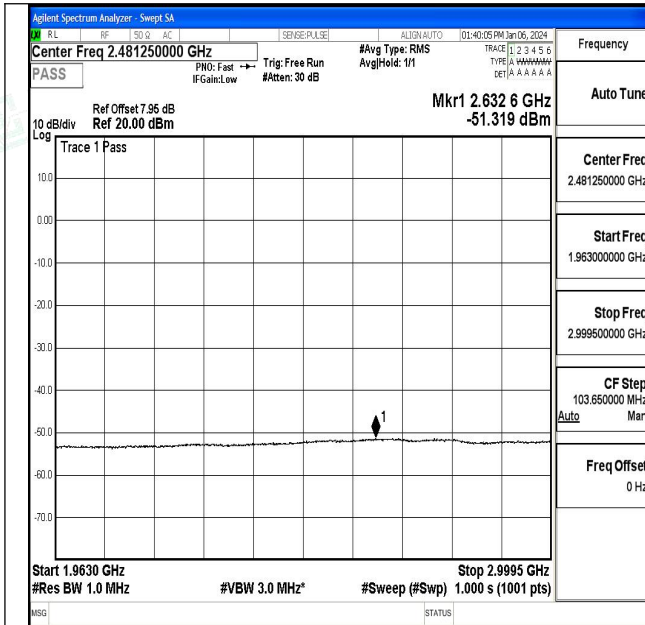


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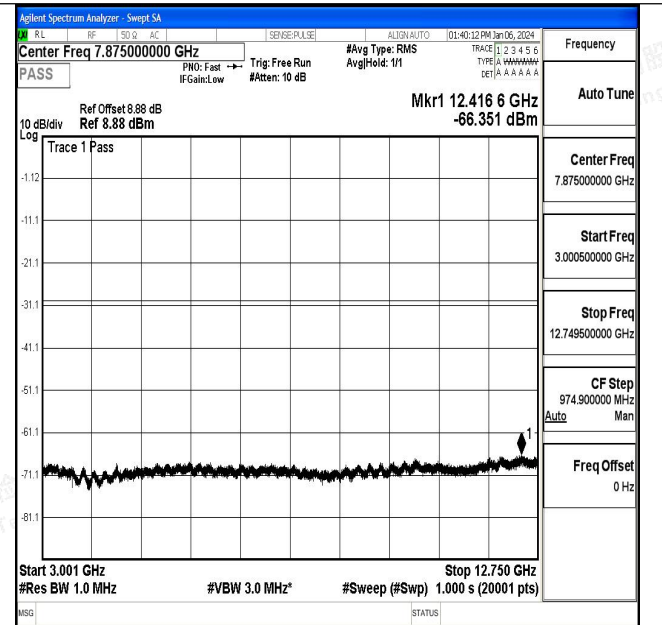
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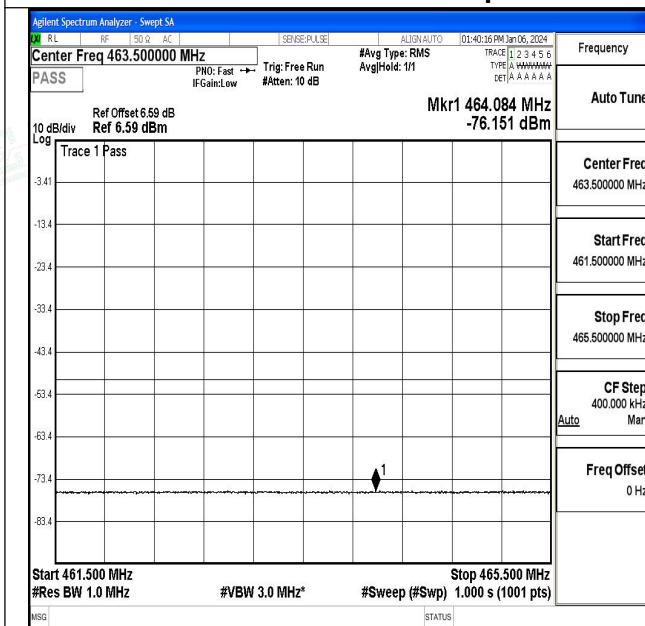


1.9630GHz~2.9995GHz

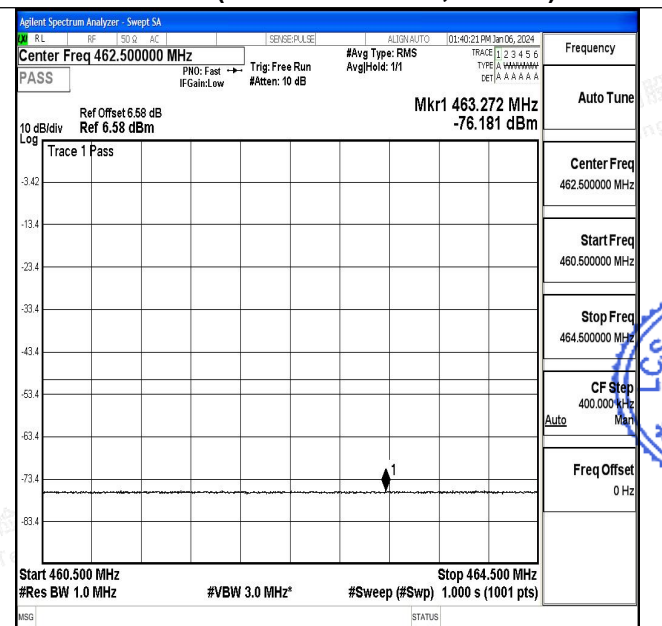


3.001GHz~12.750GHz

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

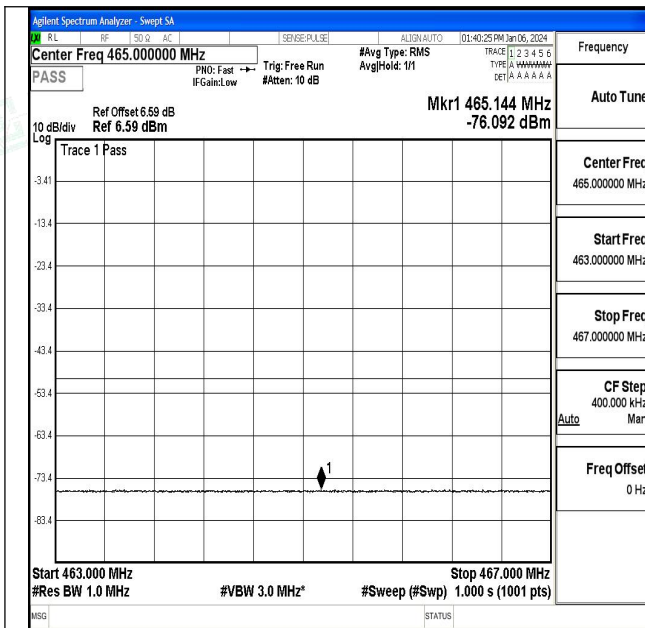


461.500MHz~465.500MHz

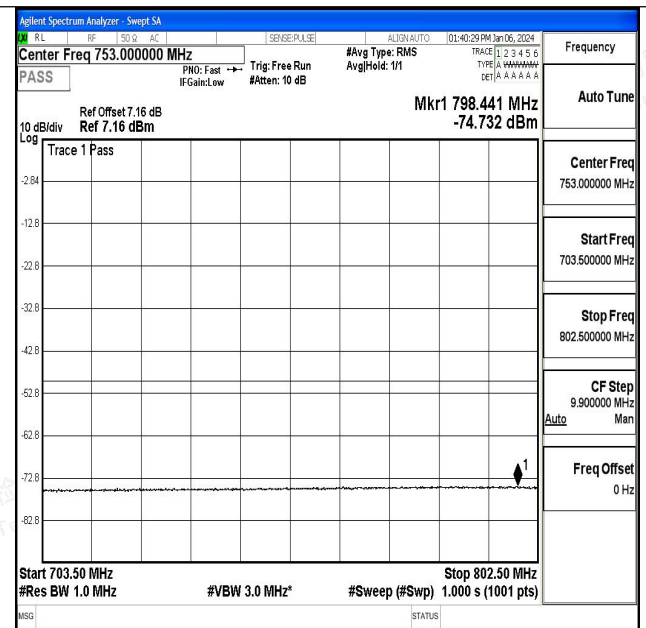


460.5MHz~464.5MHz

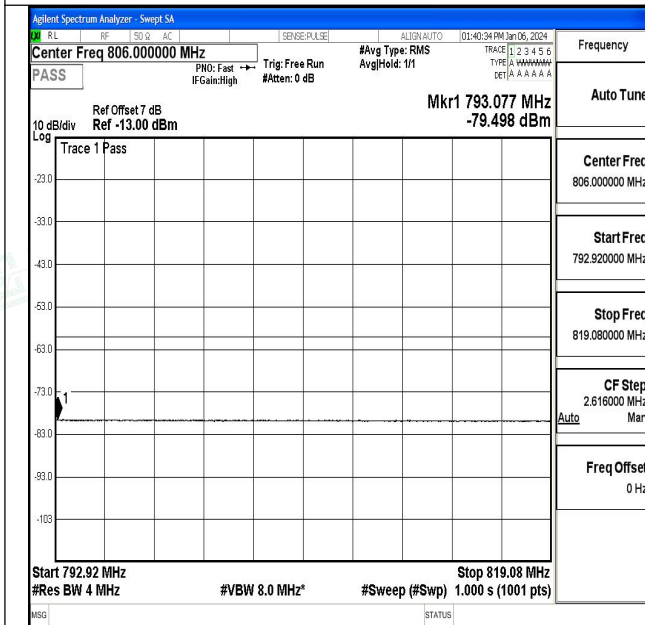




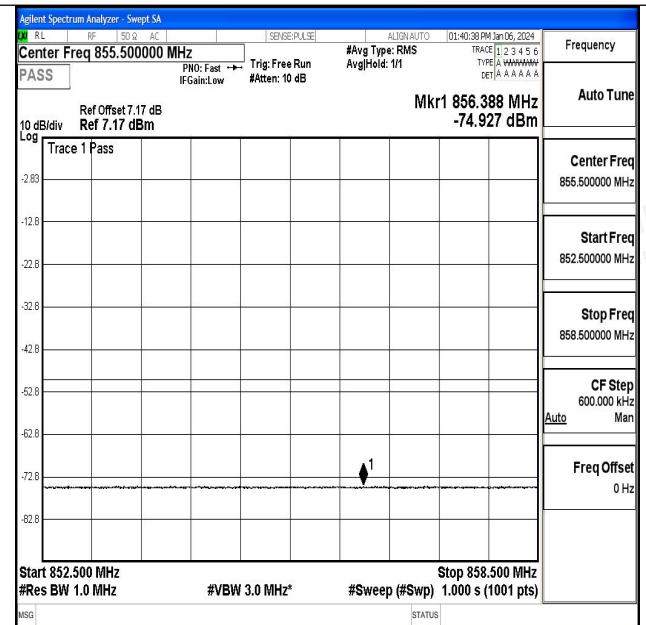
463.000MHz~467.000MHz



703.50MHz~802.50MHz



792.92MHz~819.08MHz



852.5MHz~858.50MHz

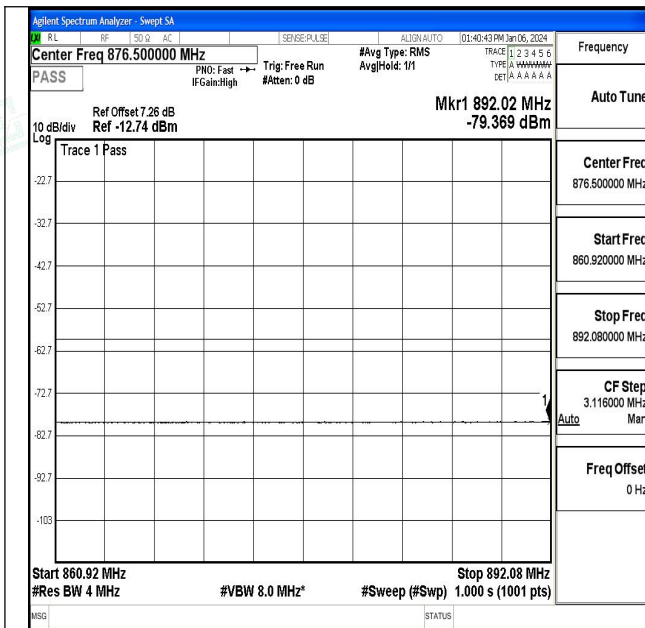


Shenzhen LCS Compliance Testing Laboratory Ltd.

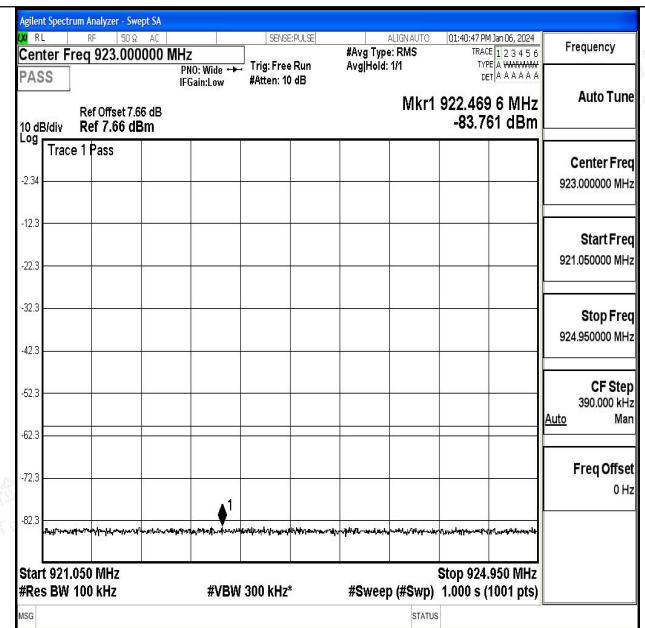
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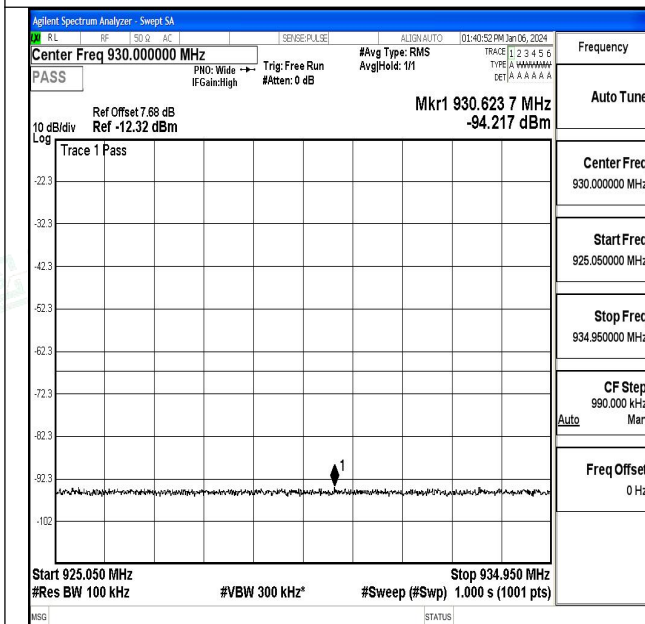
Scan code to check authenticity



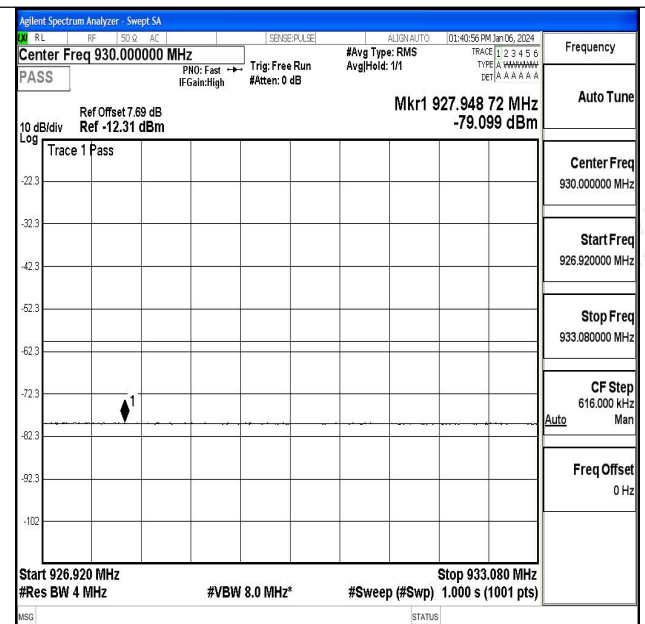
860.92~892.08MHz



921.05~924.95MHz



925.05~934.95MHz



926.92~933.08MHz

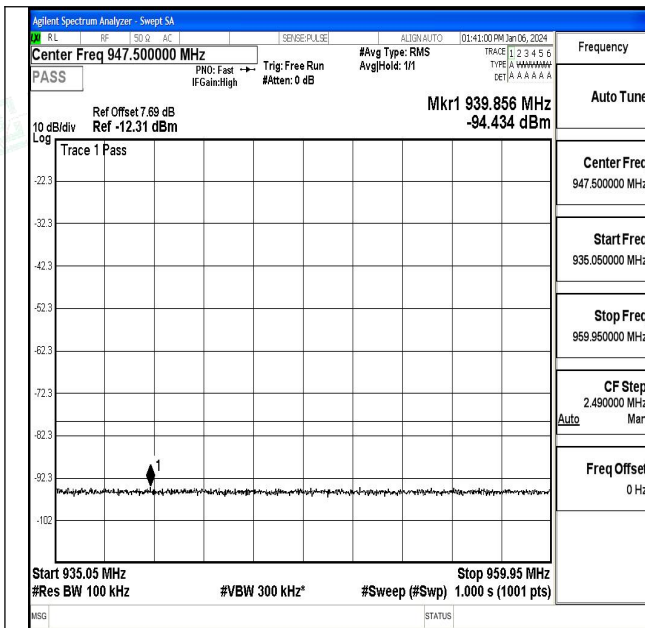


Shenzhen LCS Compliance Testing Laboratory Ltd.

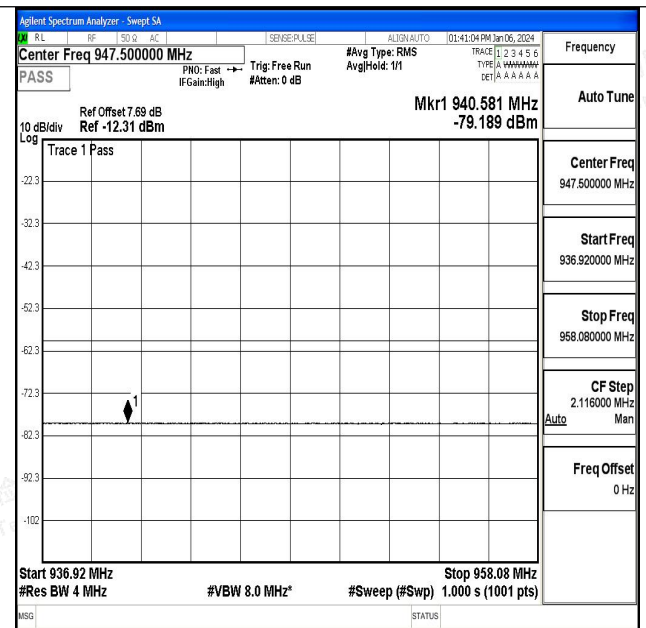
Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

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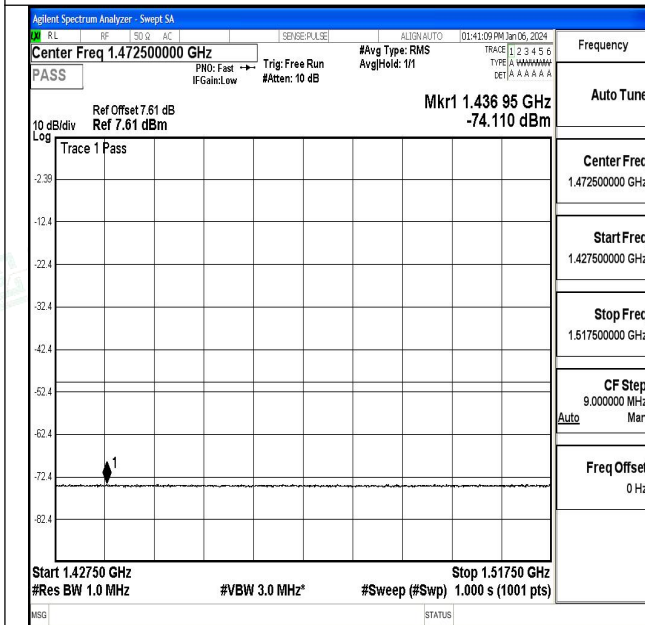
Scan code to check authenticity



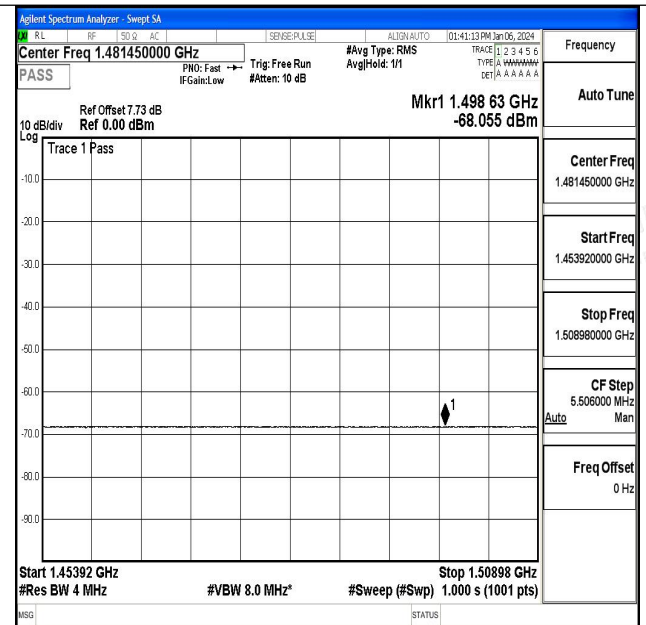
935.05MHz~959.95MHz



936.92MHz~958.08MHz



1427.5~1517.5MHz



1453.92~1508.98MHz

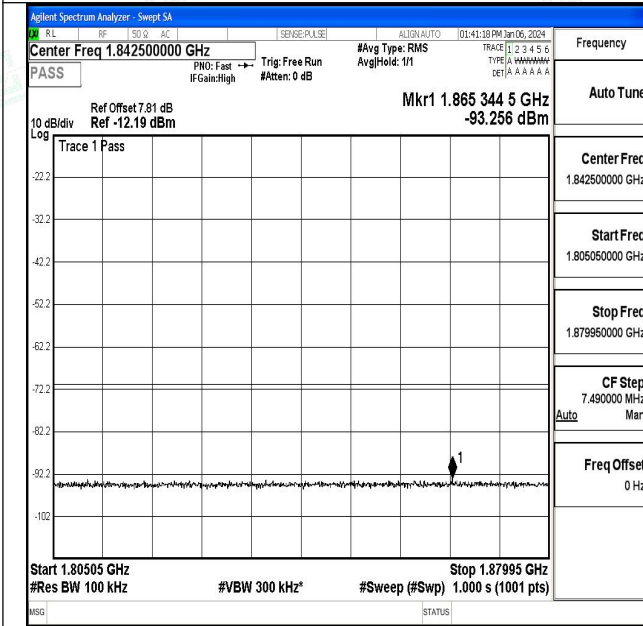


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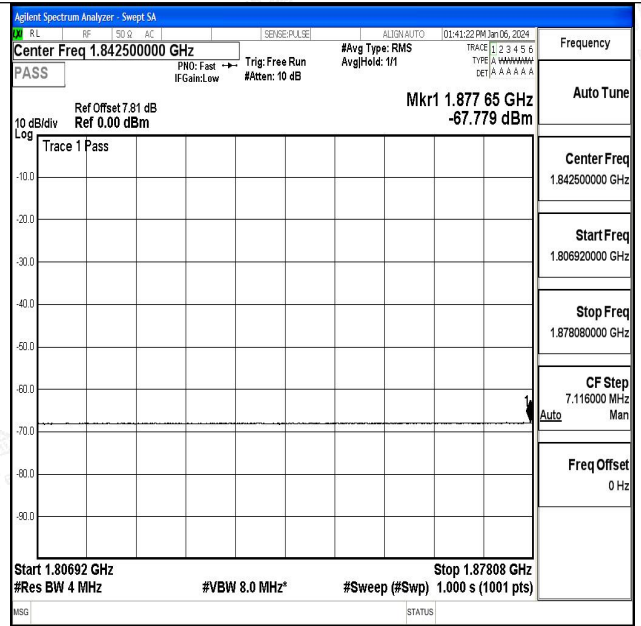
Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

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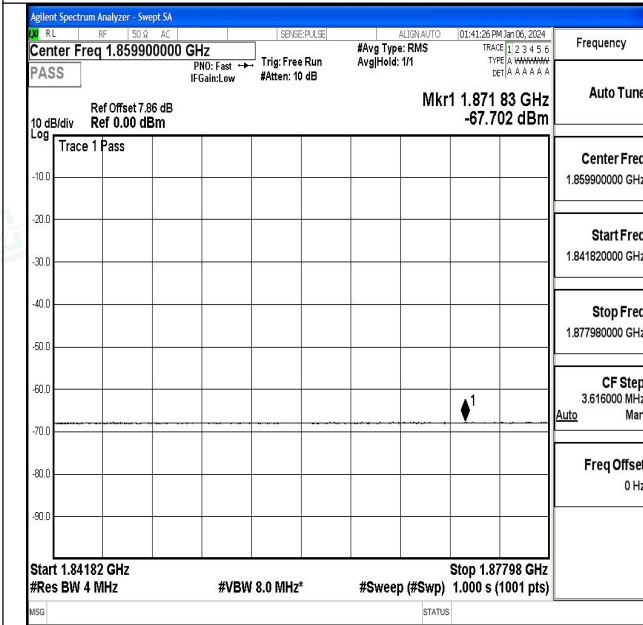
Scan code to check authenticity

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

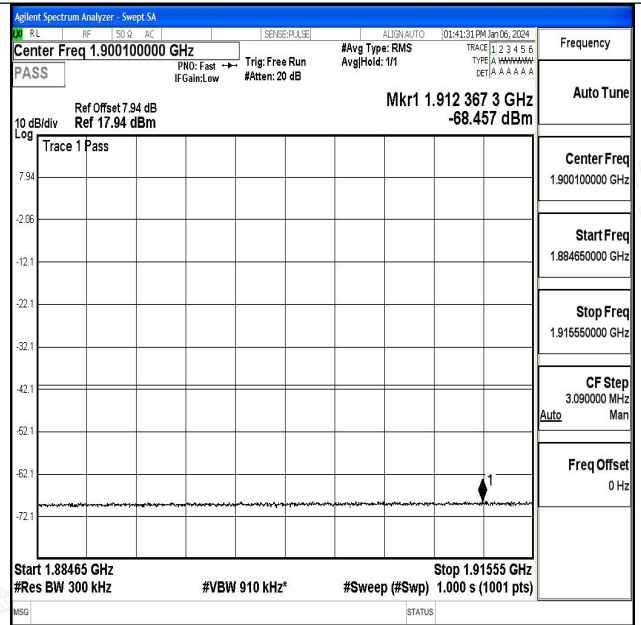
1.80505GHz~1.87995GHz



1.80692GHz~1.87808GHz

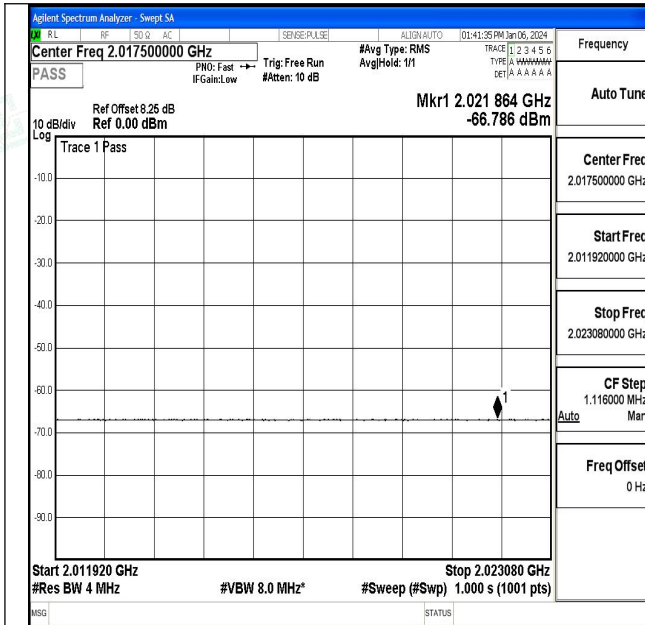


1.84182GHz~1.87798GHz

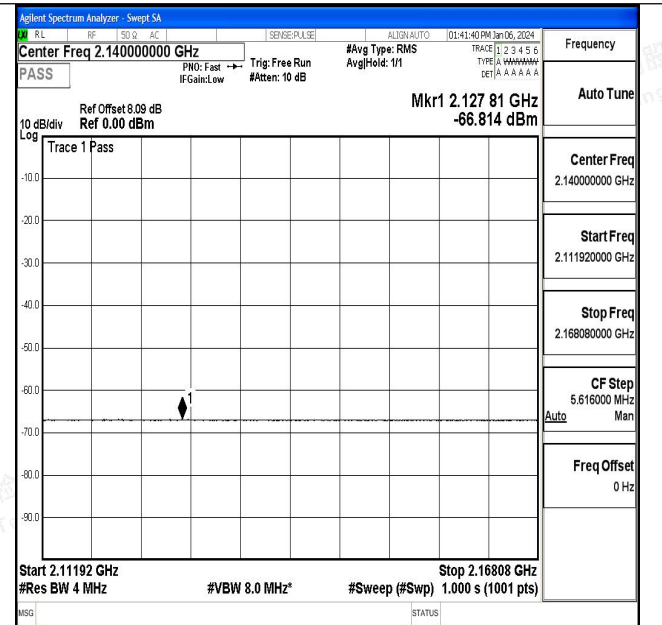


1.88465GHz~1.91555GHz

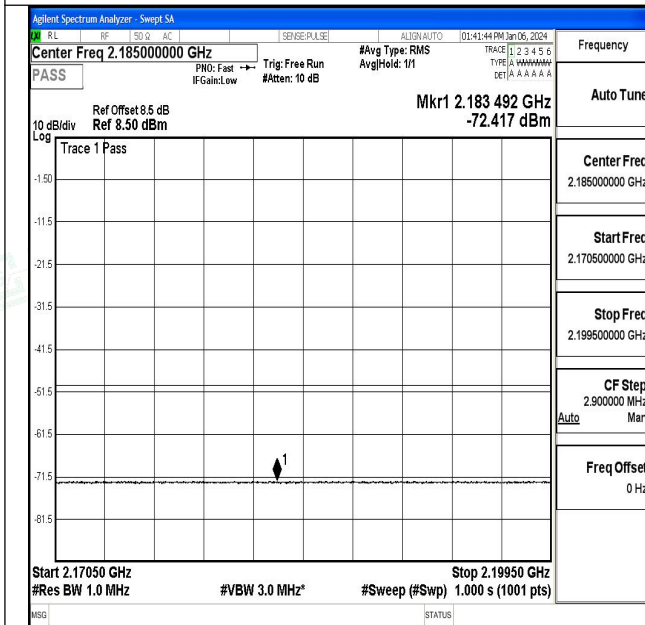




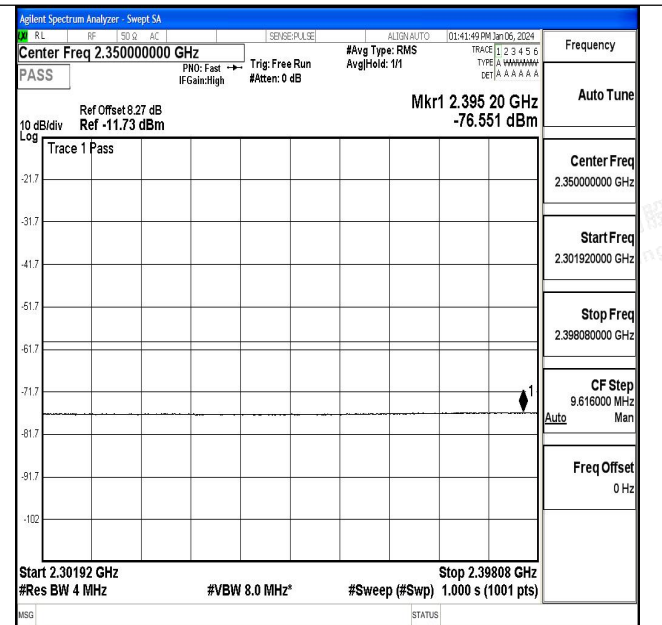
2.011920GHz~2.023080GHz



2.11192GHz~2.16808GHz



2.17050GHz~2.19950GHz



2.30192GHz~2.39808GHz

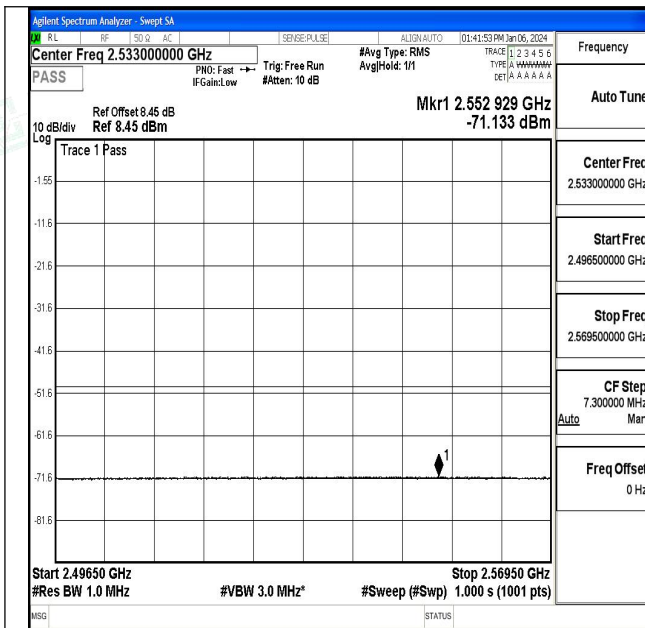


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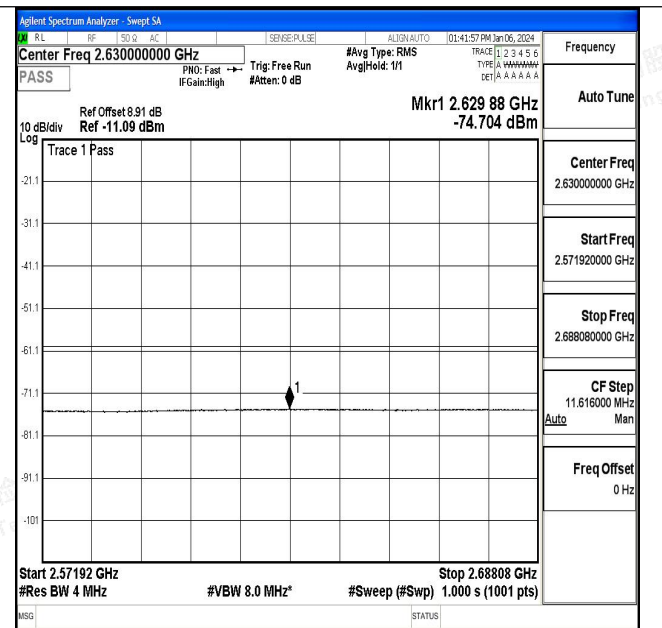
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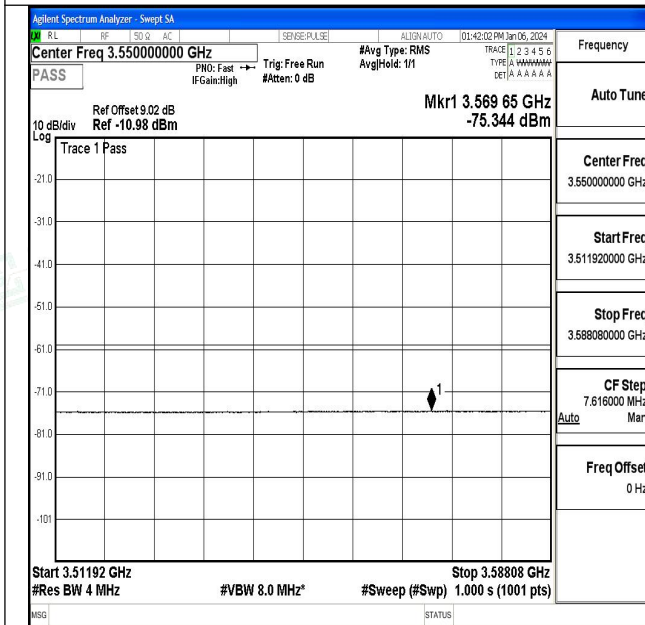
Scan code to check authenticity



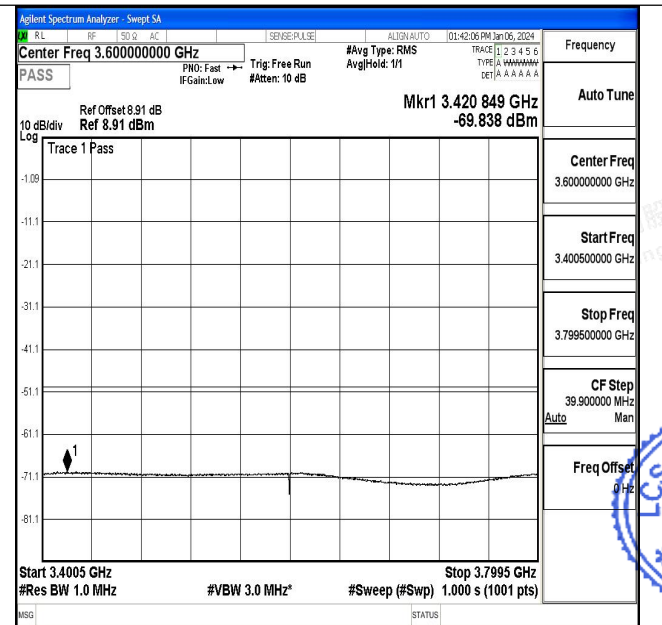
2.49650GHz~2.56950GHz



2.57192GHz~2.68808GHz



3.51192GHz~3.58808GHz



3.4005GHz~3.7995GHz



Shenzhen LCS Compliance Testing Laboratory Ltd.

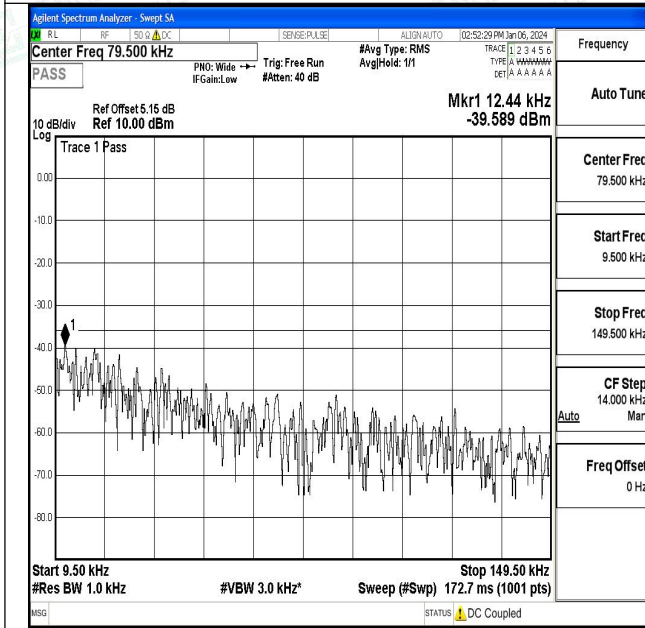
Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

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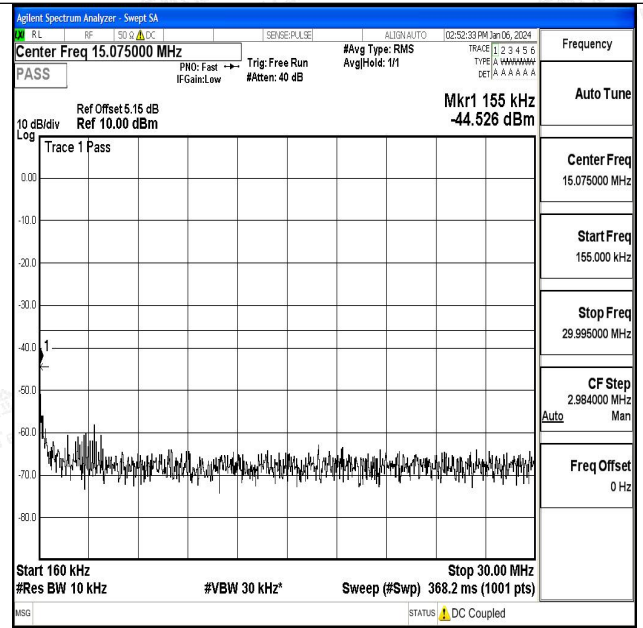
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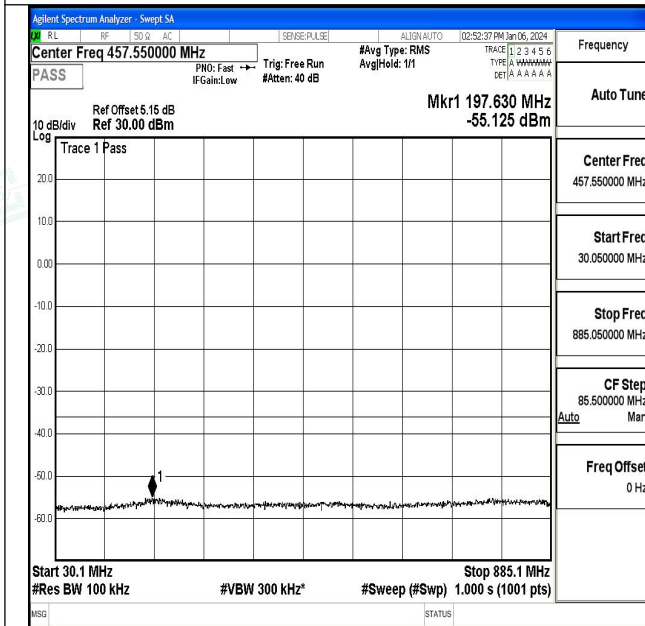
The Worst Test Result of Spurious Emissions for Band VIII (Middle Channel, Traffic)



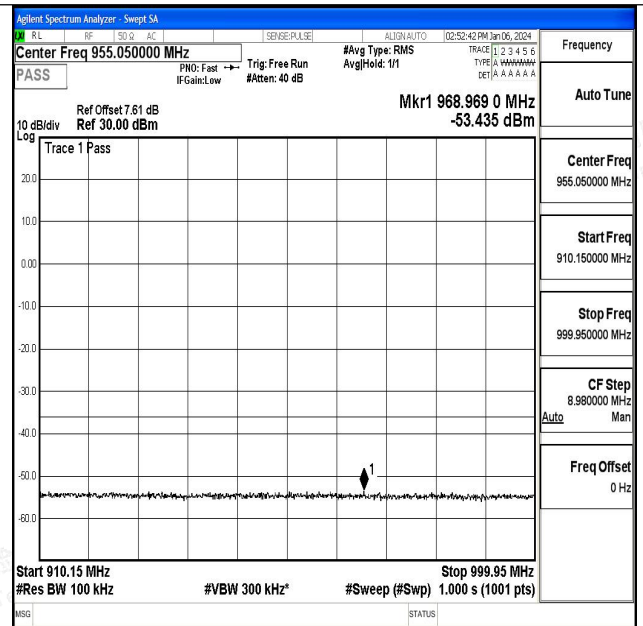
9.50KHz~149.50KHz



160KHz~30.00MHz



30.1MHz~885.1MHz



910.15MHz~999.95MHz

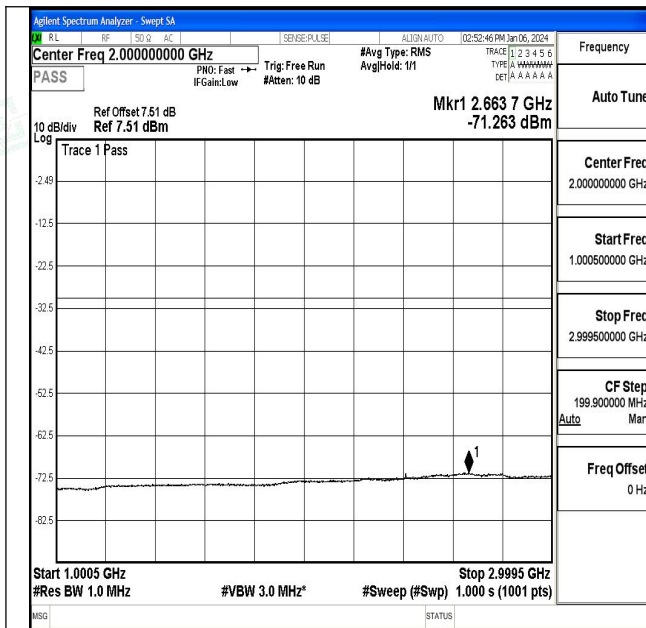


Shenzhen LCS Compliance Testing Laboratory Ltd.

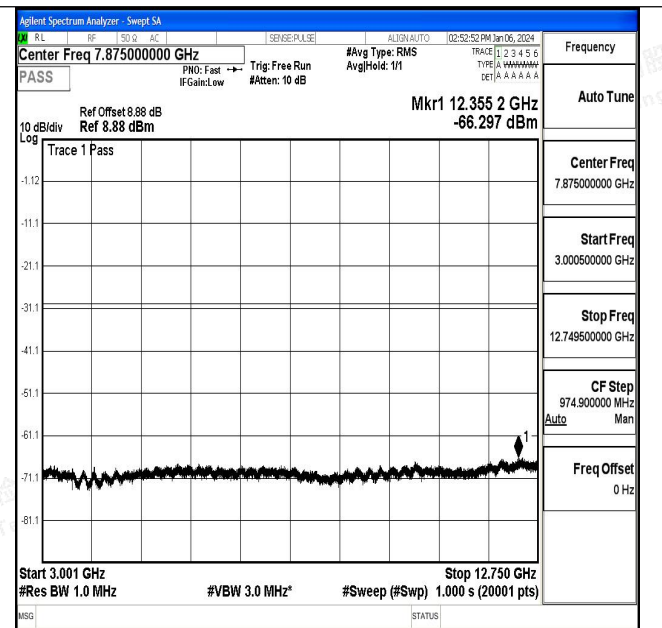
Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

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Scan code to check authenticity

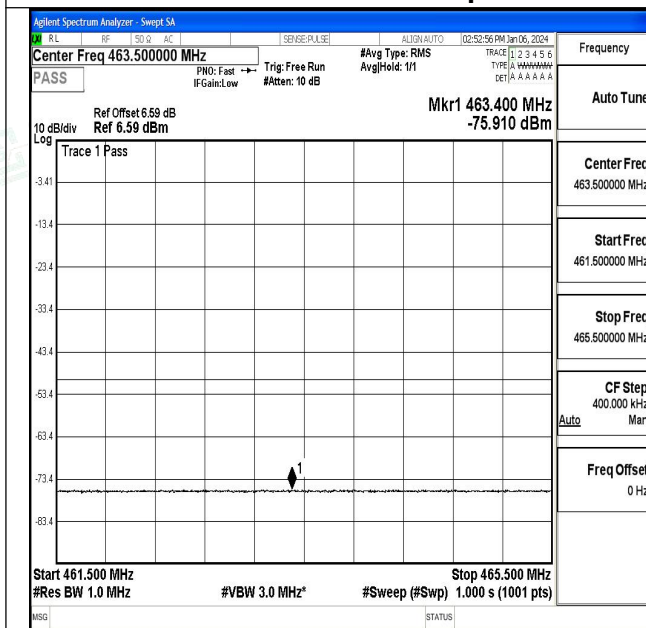


1.0005GHz~2.9995GHz

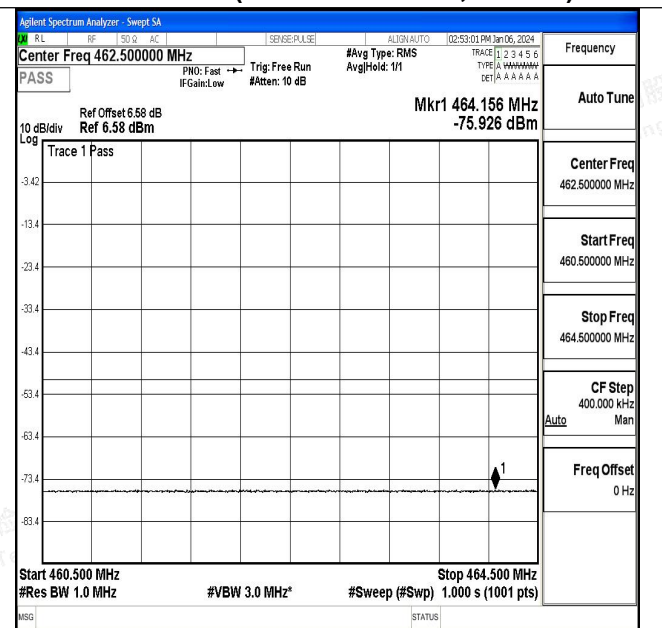


3.001GHz~12.750GHz

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



461.50MHz~465.5MHz



460.500MHz~464.500MHz

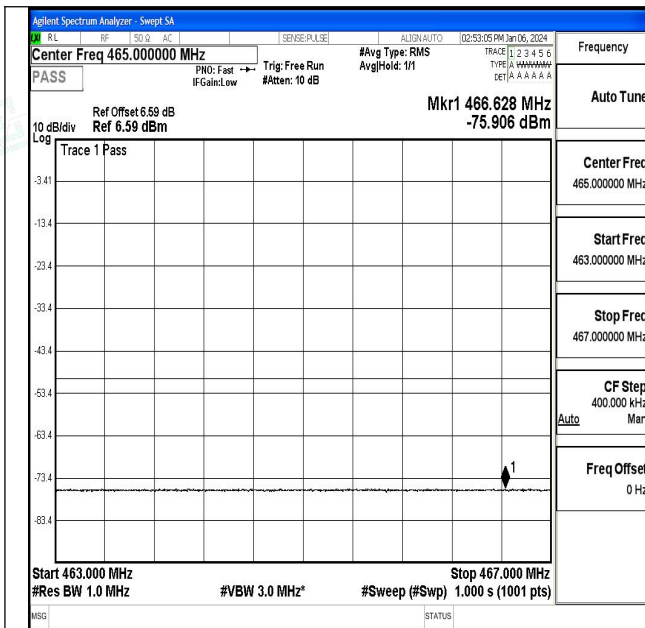


Shenzhen LCS Compliance Testing Laboratory Ltd.

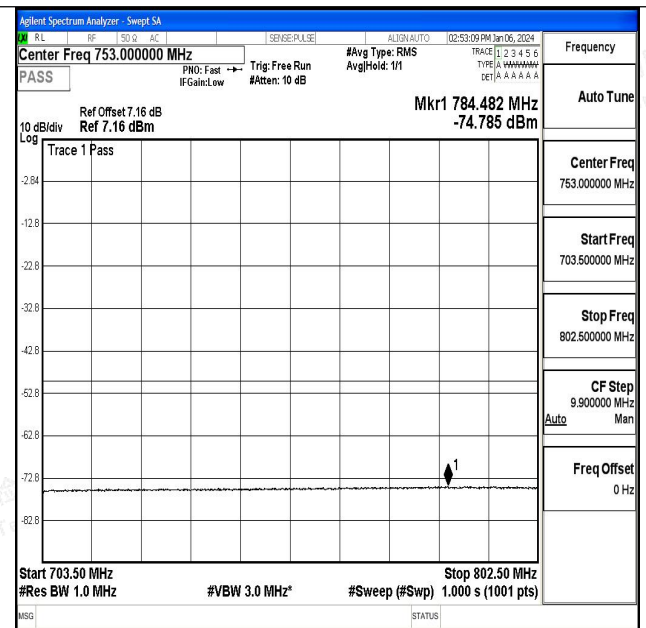
Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

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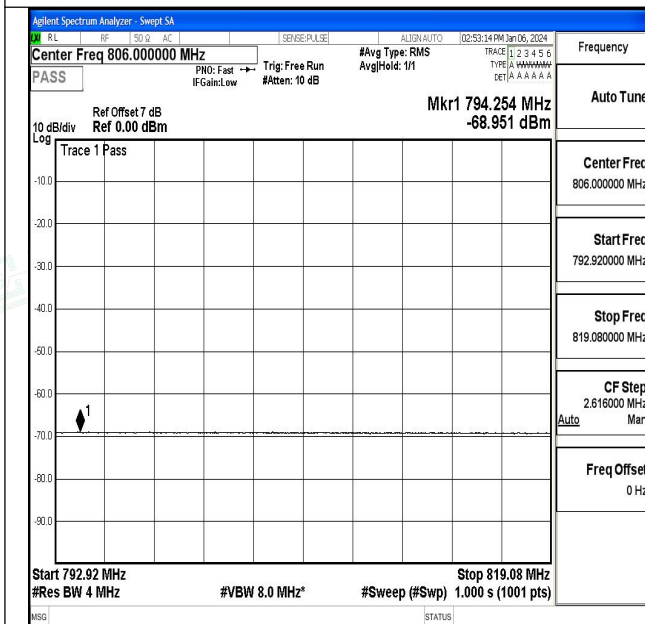
Scan code to check authenticity



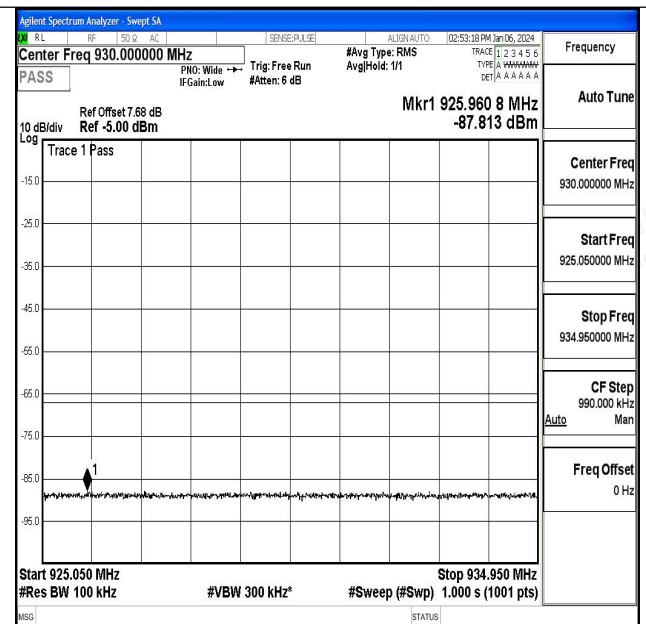
463.00MHz~467.00MHz



703.50MHz~802.50MHz



792.92MHz~819.08MHz



925.05MHz~934.95MHz

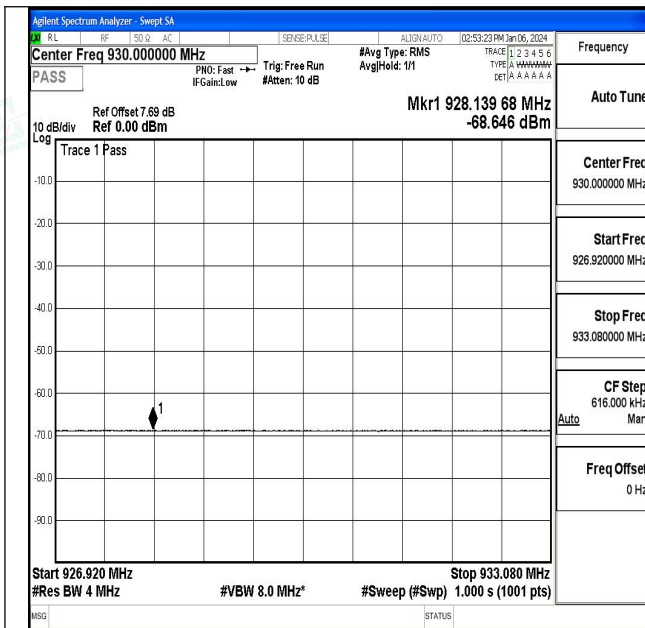


Shenzhen LCS Compliance Testing Laboratory Ltd.

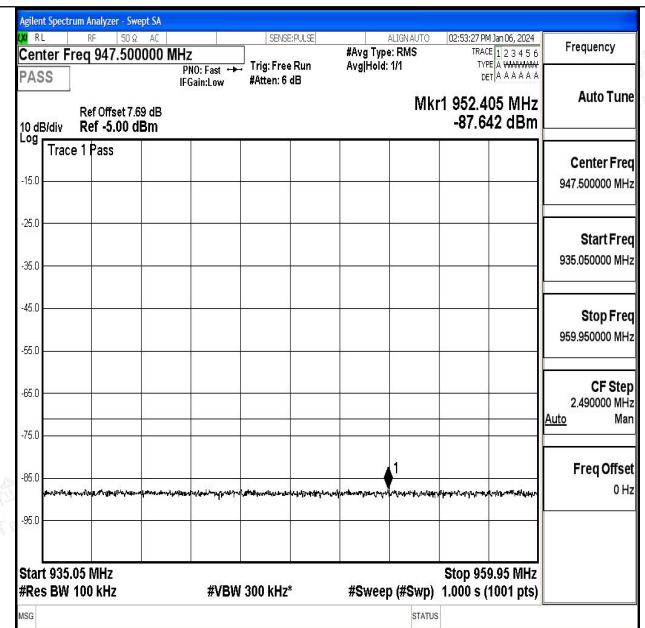
Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

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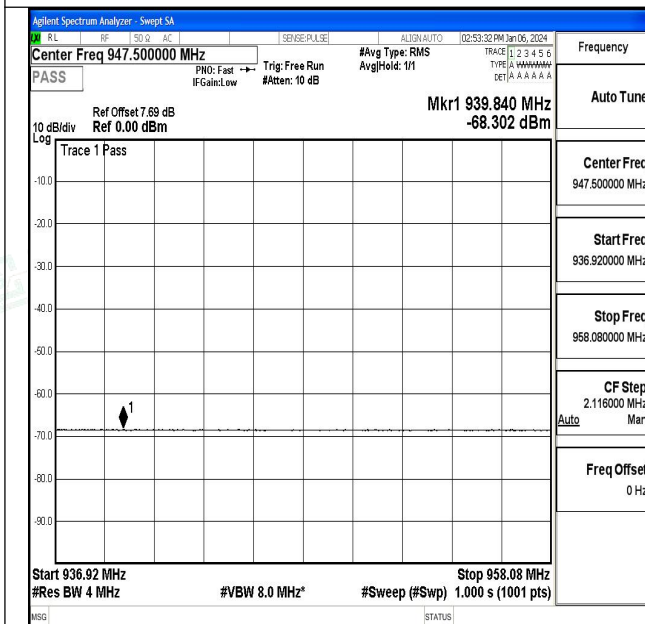
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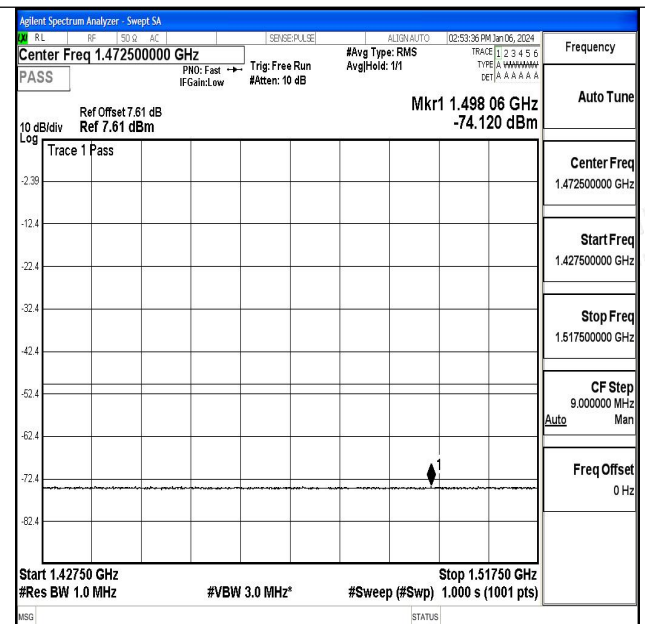
926.920MHz~933.080MHz



935.05MHz~959.95MHz



936.92MHz~958.08MHz



1.42750GHz~1.51750GHz



Shenzhen LCS Compliance Testing Laboratory Ltd.

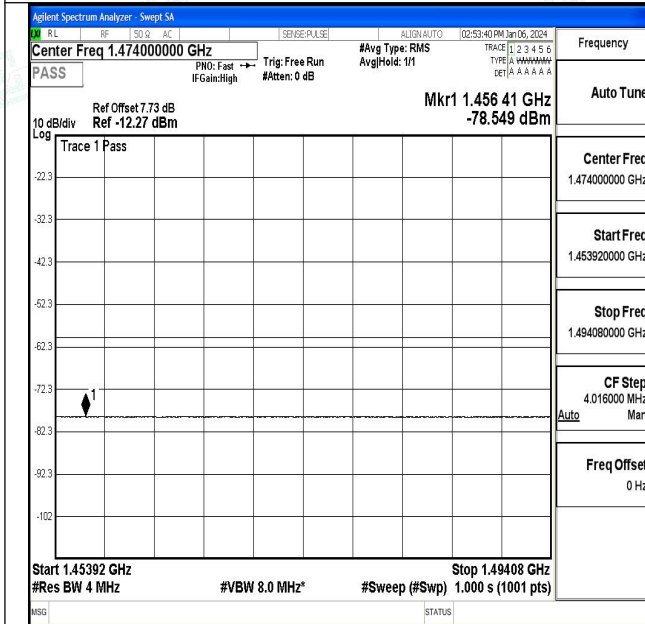
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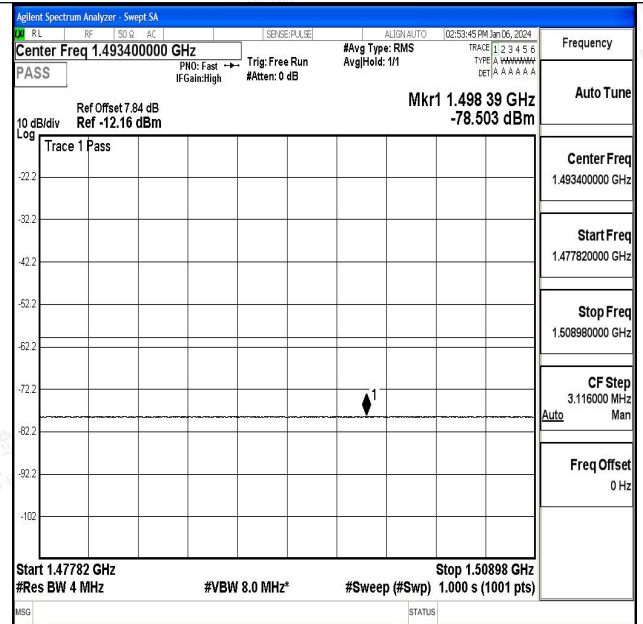
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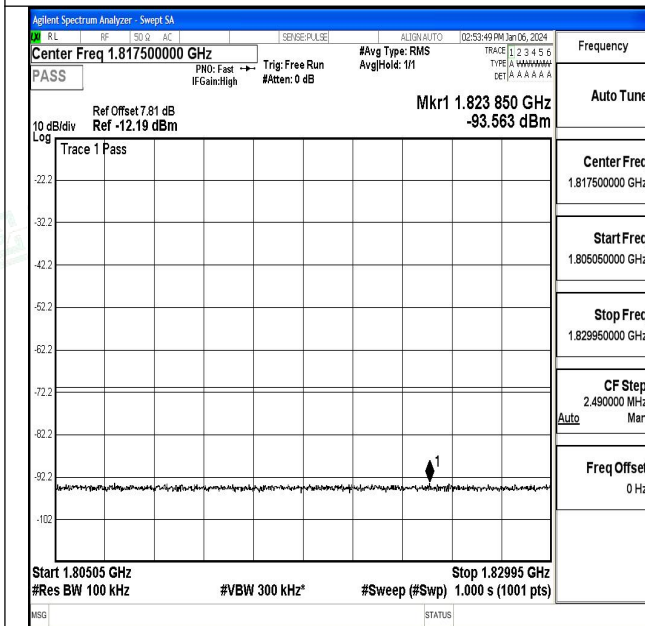
The Worst Test Result of Spurious Emissions for Band VIII (Middle Channel, Traffic)



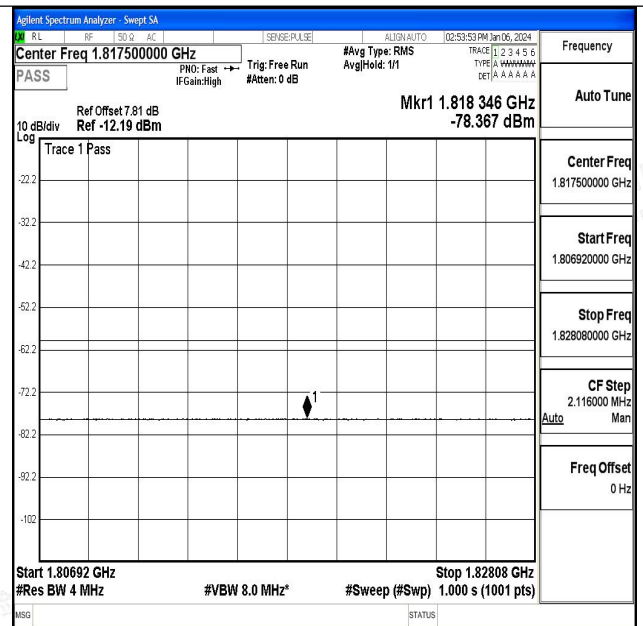
1.45392GHz~1.49408GHz



1.47782GHz~1.50898GHz

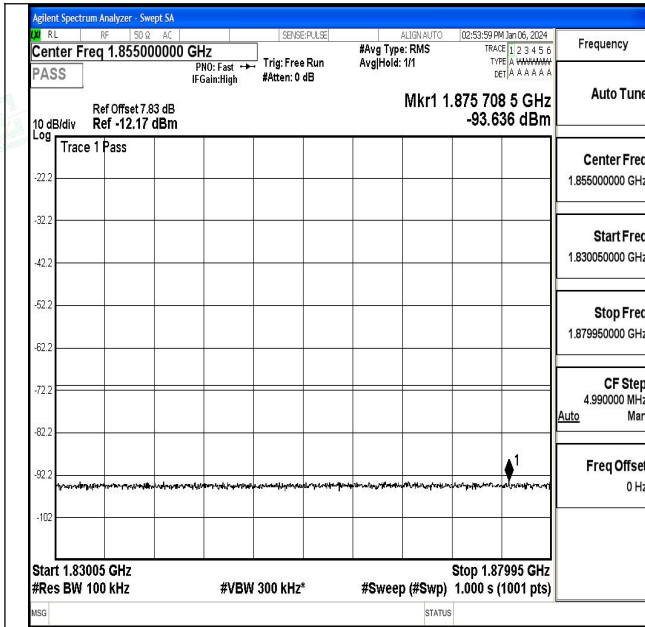


1.80505GHz~1.82995GHz

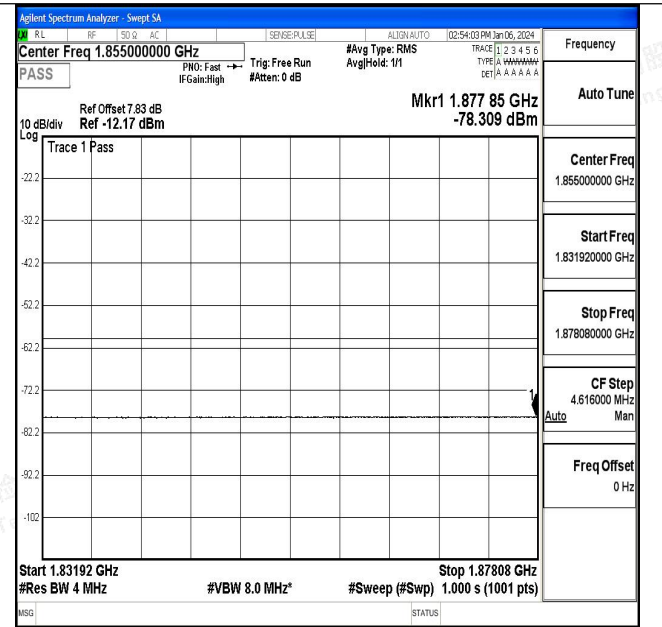


1.80692GHz~1.82808GHz

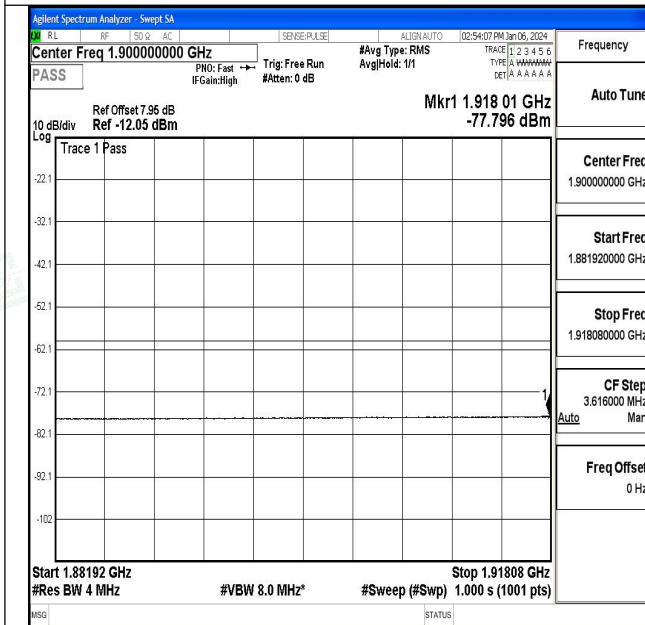




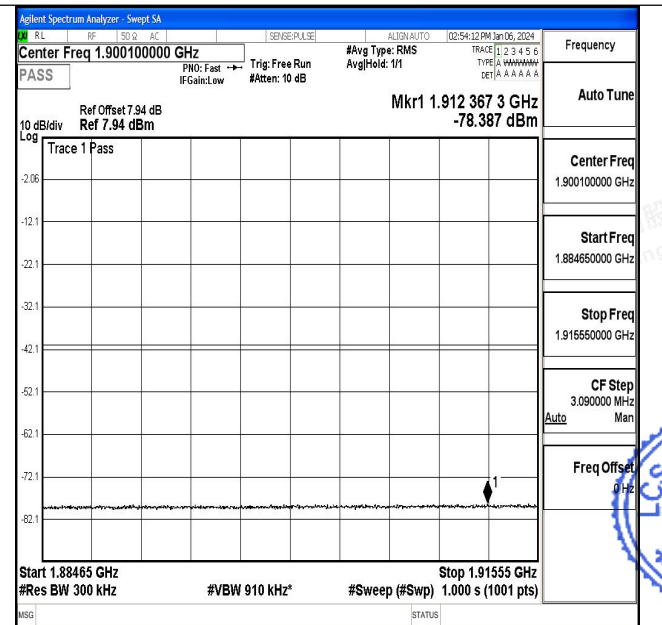
1.83005GHz~1.87995GHz



1.83192GHz~1.87808GHz



1.88192GHz~1.91808GHz



1.88465GHz~1.91555GHz

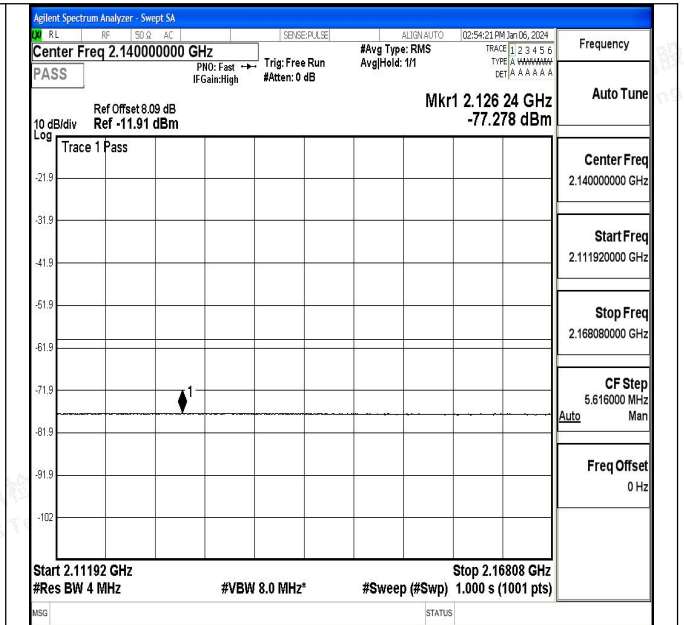
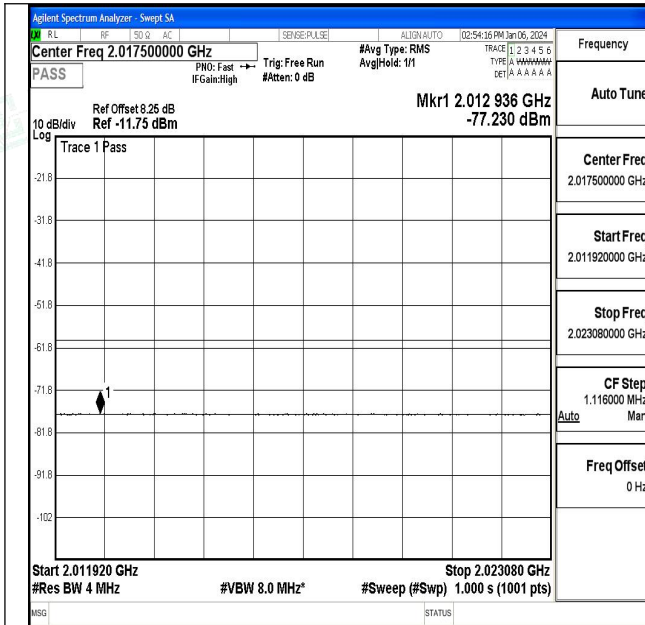


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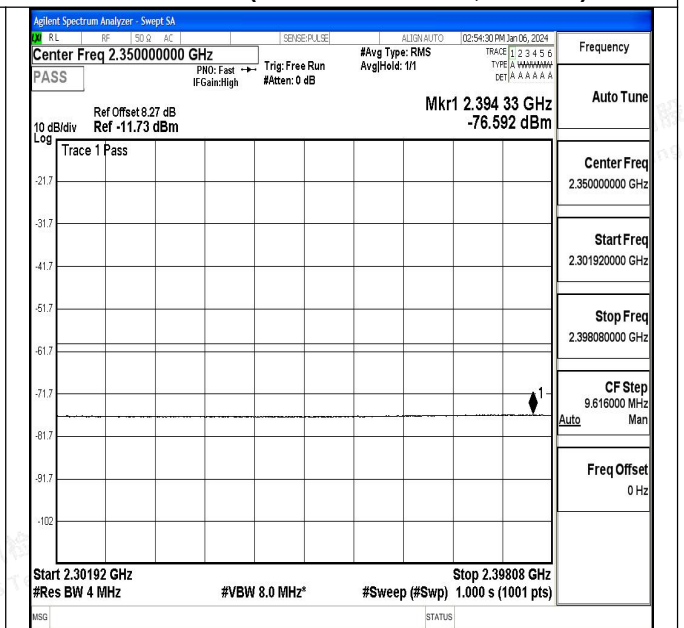
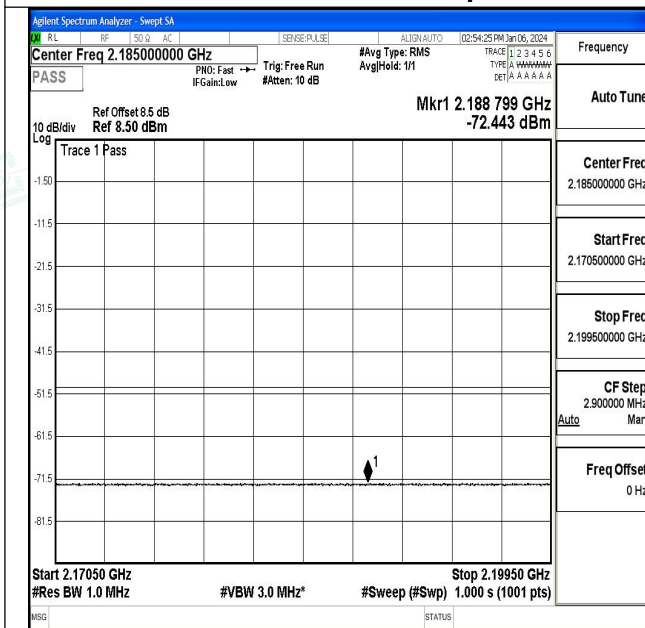
Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

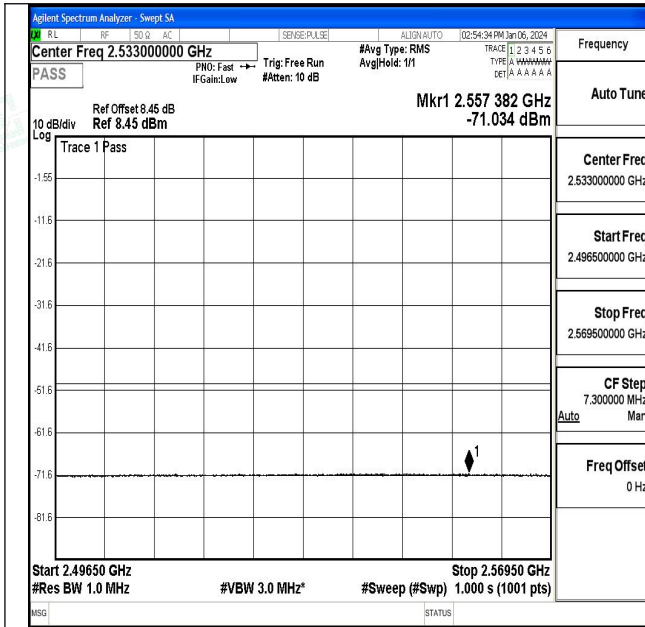
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

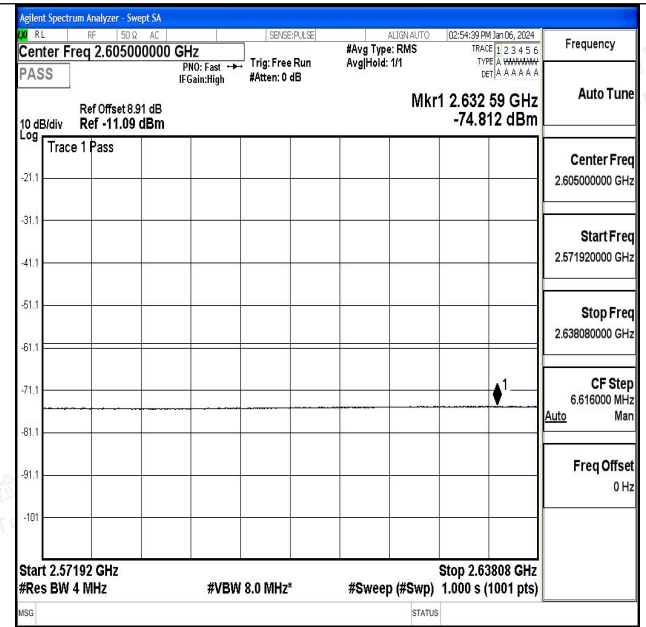


The Worst Test Result of Spurious Emissions for Band VIII (Middle Channel, Traffic)

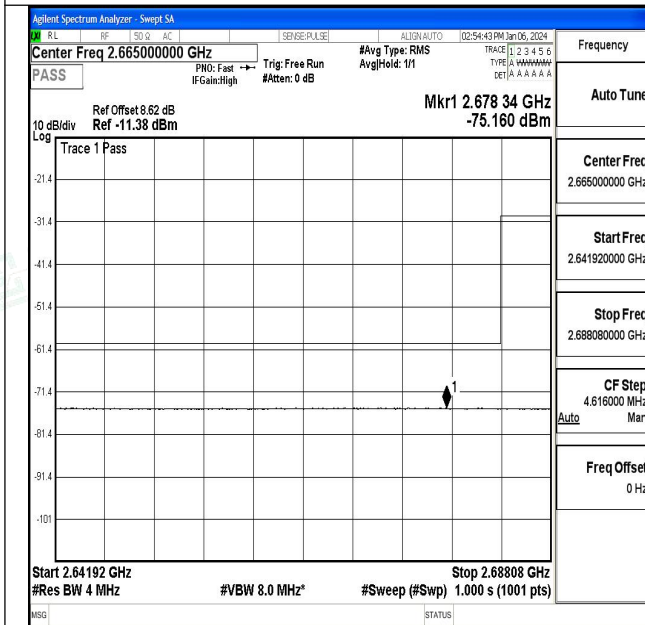




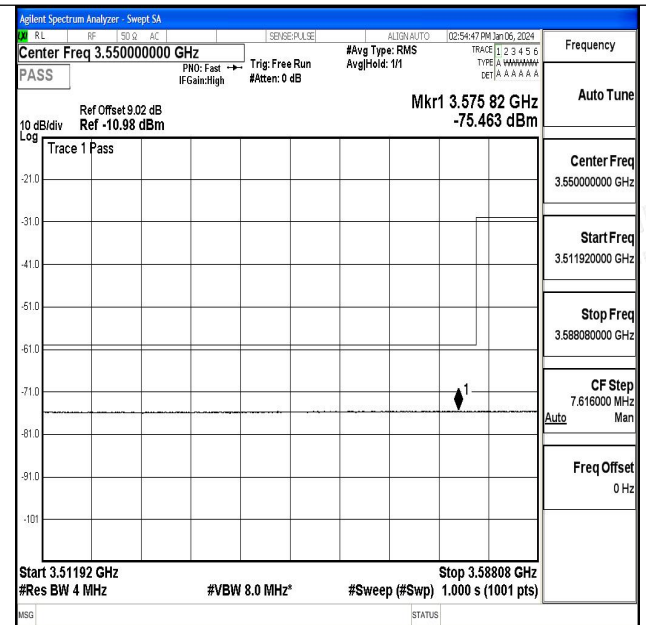
2.49650GHz~2.56950GHz



2.57192GHz~2.63808GHz



2.64192GHz~2.68808GHz



3.51192GHz~3.58808GHz

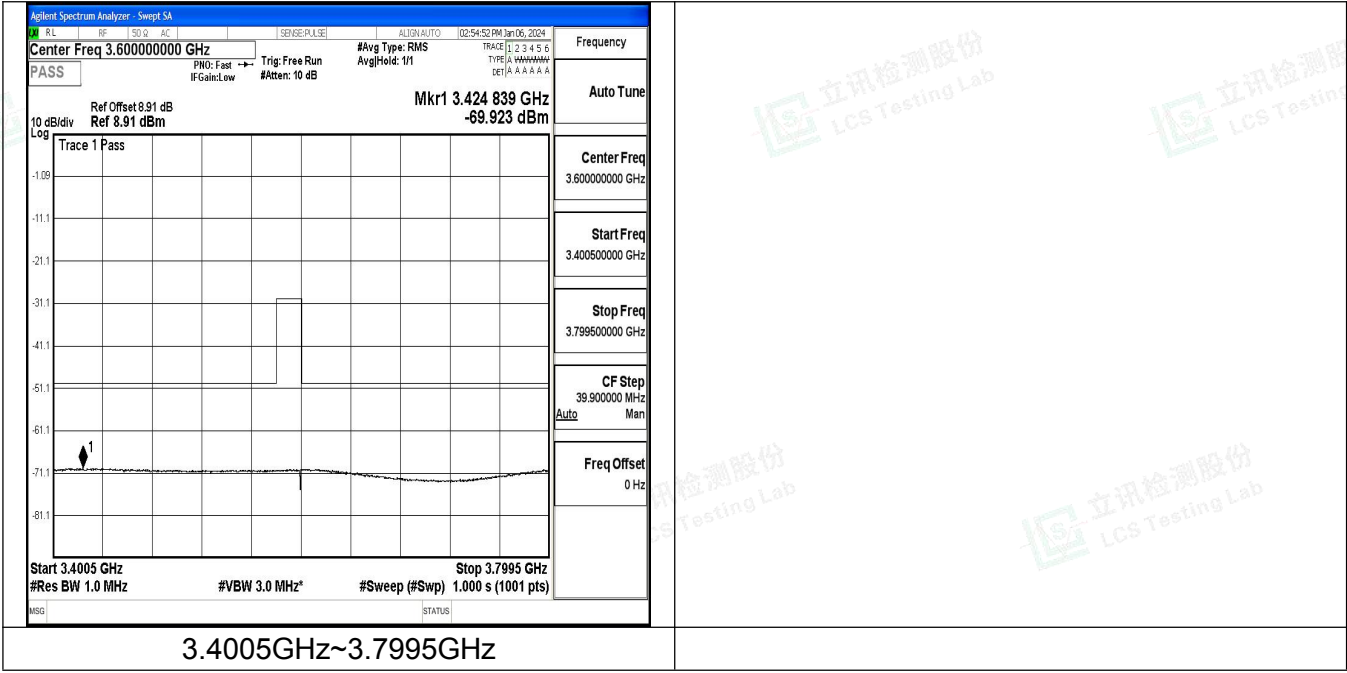


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Scan code to check authenticity





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)		
57.86	Horizontal	-87.15	-36.00	Pass
806.03	H	-75.95	-36.00	
3903.51	H	-60.21	-30.00	
5850.02	H	-60.71	-30.00	
7800.16	H	-51.35	-30.00	
WCDMA Band I: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
67.34	Vertical	-79.17	-36.00	Pass
924.82	V	-76.36	-36.00	
3901.36	V	-63.23	-30.00	
5851.24	V	-58.17	-30.00	
7800.31	V	-51.07	-30.00	

WCDMA Band VIII: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
58.50	Horizontal	-88.71	-36.00	Pass
811.02	H	-76.56	-36.00	
1799.20	H	-64.43	-30.00	
2695.65	H	-69.73	-30.00	
3590.31	H	-65.45	-30.00	
WCDMA Band VIII: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
63.87	Vertical	-80.12	-36.00	Pass
922.06	V	-77.07	-36.00	
1796.00	V	-65.73	-30.00	
2693.54	V	-68.77	-30.00	
3591.49	V	-70.79	-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)		
56.63	Horizontal	-86.45	-57.00	Pass
807.17	H	-76.25	-57.00	
3899.75	H	-73.61	-47.00	
5855.92	H	-68.44	-47.00	
7799.41	H	-69.29	-47.00	
WCDMA Band I: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
61.51	Vertical	-74.35	-57.00	Pass
918.73	V	-76.92	-57.00	
3903.57	V	-68.86	-47.00	
5851.42	V	-76.92	-47.00	
7805.90	V	-69.63	-47.00	

WCDMA Band VIII: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
54.78	Horizontal	-83.88	-54.00	Pass
809.99	H	-79.66	-54.00	
1797.03	H	-63.80	-47.00	
2695.05	H	-68.74	-47.00	
3592.23	H	-66.93	-47.00	
WCDMA Band VIII: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
60.48	Vertical	-74.82	-57.00	Pass
925.18	V	-79.20	-57.00	
1795.50	V	-64.56	-47.00	
2694.56	V	-65.31	-47.00	
3594.91	V	-71.14	-47.00	

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



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