



RADIO TEST REPORT

For

OAXIS ASIA PTE LTD

myFirst Fone R1s, S11

Test Model: KW1305, G4K1

Prepared for : OAXIS ASIA PTE LTD
Address : 31 Woodlands Close #01-22 Singapore 737855

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.
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Date of receipt of test sample : June 23, 2020
Number of tested samples : 1
Serial number : Prototype
Date of Test : June 23, 2020 ~ July 03, 2020
Date of Report : July 01, 2022



Scan code to check authenticity

**RADIO TEST REPORT**
ETSI EN 301 511 V12.5.1 (2017-03)

Global System for Mobile communications (GSM); Mobile Stations (MS) equipment; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

Report Reference No. : LCS220121029AEF001**Date of Issue..... : July 01, 2022****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 ☒**
Partial application of Harmonised standards ☐
Other standard testing method ☐**Applicant's Name : OAXIS ASIA PTE LTD****Address..... : 31 Woodlands Close #01-22 Singapore 737855****Test Specification****Standard..... : ETSI EN 301 511 V12.5.1 (2017-03)****Test Report Form No..... : LCSEMC-1.0****TRF Originator : Shenzhen LCS Compliance Testing Laboratory Ltd.****Master TRF..... : Dated 2017-06****Shenzhen LCS Compliance Testing Laboratory Ltd. All rights reserved.**

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Test Item Description..... : myFirst Fone R1s, S11**Trade Mark..... : MyFirst, UMEOX****Test Model..... : KW1305, G4K1****Ratings : DC 3.7V by Rechargeable Li-Polymer Battery(580mAh)****Result : Positive****Compiled by:**

Vera Deng/ Administrators

Supervised by:

Cary Luo/ Technique principal

Approved by:

Gavin Liang/ Manager



RADIO -- TEST REPORT

Test Report No. : LCS220121029AEF001	<u>July 01, 2022</u> Date of issue
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Test Model.....	: KW1305, G4K1
EUT.....	: myFirst Fone R1s, S11
Applicant.....	: OAXIS ASIA PTE LTD
Address.....	: 31 Woodlands Close #01-22 Singapore 737855
Telephone.....	: /
Fax.....	: /
Manufacturer.....	: OAXIS ASIA PTE LTD
Address.....	: 31 Woodlands Close #01-22 Singapore 737855
Telephone.....	: /
Fax.....	: /
Factory.....	: OAXIS ASIA PTE LTD
Address.....	: 31 Woodlands Close #01-22 Singapore 737855
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.



Revision History

Revision	Issue Date	Revisions	Revised By
000	January 26, 2022	Initial Issue	Gavin Liang
001	July 01, 2022	See Remark	Gavin Liang

Remark:

1. Declared by applicant, Model/Type reference of the product is modified from “KW1305M” to “KW1305”, other information and results contained in this report are not changed, original test report become invalid.
2. Declared by applicant, require to re-sign the test report, “Date of issue” is replaced from “January 26, 2022” by “July 01, 2022”, other information and results contained in this report are not changed, original test report become invalid.



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1. GENERAL INFORMATION

1.1. Product Description for Equipment Under Test (EUT)

EUT : myFirst Fone R1s, S11
Test Model : KW1305, G4K1
Power Supply : DC 3.7V by Rechargeable Li-Polymer Battery(580mAh)
Hardware Version : HK839_MB_V1.0
Software Version : k11_V1.0.0

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

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;

Internal Antenna;

Antenna Description : 1.2dBi (max.) For GSM 850;
1.2dBi (max.) For GSM 900;
1.2dBi (max.) For DCS 1800;
1.2dBi (max.) For PCS 1900

Power Class : GSM 900: Level 5, DCS 1800: Level 0

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 : 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 : WCDMA: BPSK; HSDPA/HSUPA: BPSK

Internal Antenna;

Antenna Description : 1.2dBi (max.) For WCDMA Band I;
1.2dBi (max.) For WCDMA Band VIII

Power Class : Level 3

LTE :

Support Band : ☒ E-UTRA Band 1(EU-Band)



	<input checked="" type="checkbox"/> E-UTRA Band 3(EU-Band)
	<input checked="" type="checkbox"/> E-UTRA Band 7(EU-Band)
	<input checked="" type="checkbox"/> E-UTRA Band 8(EU-Band)
	<input checked="" type="checkbox"/> E-UTRA Band 20(EU-Band)
LTE Release Version	: R9
	Uplink: E-UTRA Band 1: 1920MHz ~ 1980MHz
	E-UTRA Band 3: 1710MHz~1785MHz
	E-UTRA Band 7: 2500MHz ~ 2570MHz
	E-UTRA Band 8: 880MHz~815MHz
FDD Band	: E-UTRA Band 20: 832MHz ~ 862MHz
	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
Type Of Modulation	: QPSK/16QAM
	Internal Antenna;
Antenna Description	: 1.2dBi (max.) For E-UTRA Band 1;
	1.2dBi (max.) For E-UTRA Band 3;
	1.2dBi (max.) For E-UTRA Band 7;
	0.7dBi (max.) For E-UTRA Band 8;
	1.2dBi (max.) For E-UTRA Band 20;
Power Class	: Class 3
Bluetooth	:
Frequency Range	: 2402MHz ~ 2480MHz
Channel Number	: 79 channels for Bluetooth V4.1(BDR/EDR)
	40 channels for Bluetooth V4.1(BT LE)
Channel Spacing	: 1MHz for Bluetooth V4.1(BDR/EDR)
	2MHz for Bluetooth V4.1(BT LE)
Modulation Type	: GFSK, $\pi/4$ -DQPSK, 8-DPSK for Bluetooth V4.1(BDR/EDR)
	GFSK for Bluetooth V4.1(BT LE)
Bluetooth Version	: V4.1
Antenna Description	: Internal Antenna, 1.97dBi(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; 802.11g/n: OFDM
Antenna Description	: Internal Antenna, 1.2dBi(Max.)
GPS Receiver	:
Receive Frequency	: 1575.42MHz
Channel Number	: 1





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

1.2. Support Equipment List

Manufacturer	Description	Model	Serial Number	Certificate
OPPO	Adapter	OP52KAUH	---	CE

Note: The adapter are only used test, not shipped

1.3. External I/O

I/O Port Description	Quantity	Cable
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1.4. Objective

Standard Referenced	Standard Title	Standard Version
ETSI EN 301 511	Global System for Mobile communications (GSM); Mobile Stations (MS) equipment; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	V12.5.1 (2017-03)
ETSI TS 151 010-1	Digital cellular telecommunications system (Phase 2+); Mobile Station (MS) conformance specification; Part 1: Conformance specification (3GPP TS 51.010-1 version 12.8.0 Release 12)	V12.8.0 (2016-05)

The objective is to determine compliance with ETSI EN 301 511 V12.5.1 (2017-03).

1.5. Test Conditions

Conditions	Temperature	Voltage
Normal	21-25℃	DC 3.7V
Low extreme Temperature/Low extreme Voltage (TL/VL);	-20℃	DC 3.3V
Low extreme Temperature/High extreme Voltage (TL/VH);	-20℃	DC 4.2V
High extreme Temperature/Low extreme Voltage (TH/VL);	+45℃	DC 3.3V
High extreme Temperature/High extreme Voltage (TH/VH).	+45℃	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 3.3V was declared by manufacturer		



1.6. Description Of Test Mode

During all testing, EUT is in link mode with base station emulator at maximum power level in each test mode and channel as below:

Mode	Channel	Frequency(MHz)
GSM 900	975	880.2
	37	897.4
	124	914.8

Mode	Channel	Frequency(MHz)
DCS 1800	512	1710.2
	698	1747.4
	885	1784.8

Operating modes of EUT during test	
Traffic Mode	A communication link is set up with a System Simulator (ss). The Absolute Radio Frequency Channel Number is allocated to the lowest, middle and highest channel during the test for all working frequency bands. The EUT is commanded to operate at maximum transmitting power. A call has been established.
Idle Mode	The EUT is synchronized to SS, and able to respond to paging messages and incoming call. An established call has been released.

***Note: The EUT has two SIM card slots(SIM1 and SIM2). The result for GSM/WCDMA/LTE card slot(SIM1) is the worst case which was only recorded.



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

FCC Registration Number is 254912.

Industry Canada Registration Number is 9642A.

EMSD Registration Number is ARCB0108.

UL Registration Number is 100571-492.

TUV SUD Registration Number is SCN1081.

TUV RH Registration Number is UA 50296516-001.

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier: CN0071.



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	:	Li Huan
Temperature/ Humidity:	:	23.6°C/ 54.1%

Reference Clause No. (ETSI TS 151 010-1)	Reference Clause No. (ETSI EN 301 511)	Description of Test Items	GSM 900	DCS 1800
			Result	Result
13.1	4.2.1	Transmitter - Frequency error and phase error		
		Normal	Pass	Pass
		TL/VL	Pass	Pass
		TL/VH	Pass	Pass
		TH/VL	Pass	Pass
		TH/VH	Pass	Pass
		Vibration X-axis	Pass	Pass
		Vibration Y-axis	Pass	Pass
		Vibration Z-axis	Pass	Pass
13.2	4.2.2	Transmitter - Frequency error under multipath and interference conditions		
		Normal	Pass	Pass
		TL/VL	Pass	Pass
		TL/VH	Pass	Pass
		TH/VL	Pass	Pass
		TH/VH	Pass	Pass
13.16.1	4.2.4	Frequency error and phase error in GPRS multislot configuration		
		Normal	Pass	Pass
		TL/VL	Pass	Pass
		TL/VH	Pass	Pass
		TH/VL	Pass	Pass
		TH/VH	Pass	Pass
		Vibration X-axis	Pass	Pass
		Vibration Y-axis	Pass	Pass
13.3	4.2.5	Transmitter output power and burst timing		
		Normal	Pass	Pass
		TL/VL	Pass	Pass
		TL/VH	Pass	Pass
		TH/VL	Pass	Pass
		TH/VH	Pass	Pass
13.4	4.2.6	Transmitter - Output RF spectrum		
		Normal	Pass	Pass
		TL/VL	Pass	Pass
		TL/VH	Pass	Pass
		TH/VL	Pass	Pass
		TH/VH	Pass	Pass
13.16.2	4.2.10	Transmitter output power in GPRS multislot configuration		
		Normal	Pass	Pass



		TL/VL	Pass	Pass
		TL/VH	Pass	Pass
		TH/VL	Pass	Pass
		TH/VH	Pass	Pass
13.16.3	4.2.11	Output RF spectrum in GPRS multislot configuration		
		Normal	Pass	Pass
		TL/VL	Pass	Pass
		TL/VH	Pass	Pass
		TH/VL	Pass	Pass
		TH/VH	Pass	Pass
12.1.1	4.2.12	Conducted spurious emissions - MS allocated a channel		
		Normal	Pass	Pass
		TN/VL	Pass	Pass
		TN/VH	Pass	Pass
12.1.2	4.2.13	Conducted spurious emissions - MS in idle mode		
		Normal	Pass	Pass
		TN/VL	Pass	Pass
		TN/VH	Pass	Pass
12.2.1	4.2.16	Radiated spurious emissions - MS allocated a channel		
		Normal	Pass	Pass
		TN/VL	Pass	Pass
		TN/VH	Pass	Pass
12.2.2	4.2.17	Radiated spurious emissions - MS in idle mode		
		Normal	Pass	Pass
		TN/VL	Pass	Pass
		TN/VH	Pass	Pass
14.7.1	4.2.20	Receiver Blocking and spurious response - speech channels		
		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 3.7V

TH: High extreme Temperature – +45°C

VH: High extreme Voltage – DC 4.2V

TL: Low extreme Temperature – -20°C

VL: Low extreme Voltage – DC 3.3V

Vibration X-axis/ Y-axis/ Z-axis: Vibration test condition for X/Y/Z axis.

N/A: Not applicable.

—: Not test.



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	158060009	2020-06-10	2021-06-09
3	MXA Signal Analyzer	Agilent	N9020A	MY51250905	2019-11-14	2020-11-13
4	DC Power Supply	Agilent	E3642A	N/A	2019-11-14	2020-11-13
5	MXG Vector Signal Generator	Agilent	N5182A	MY47071151	2020-06-10	2021-06-09
6	PSG Analog Signal Generator	Agilent	E8257D	MY4520521	2020-06-10	2021-06-09
7	Temperature & Humidity Chamber	GUANGZHOU GOGNWN	GDS-100	70932	2019-10-09	2020-10-08
8	EMI Test Software	EZ	EZ-EMC	/	N/A	N/A
9	3m Fully Anechoic Chamber	MRDIANZI	FAC-3M	MR009	2019-09-27	2020-09-26
10	Positioning Controller	MF	MF-7082	/	2020-06-11	2021-06-10
11	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2019-07-25	2020-07-24
12	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2019-07-25	2020-07-24
13	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2020-06-30	2021-06-29
14	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2019-09-19	2020-09-18
15	Broadband Preamplifier	SCHWARZBECK	BBV 9719	9719-025	2019-09-19	2020-09-18
16	EMI Test Receiver	R&S	ESR 7	101181	2020-06-11	2021-06-10
17	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2019-11-14	2020-11-13
18	Broadband Preamplifier	phx	BP-01M18G	P190501	2020-06-30	2021-06-29
19	RF Cable-R03m	Jye Bao	RG142	CB021	2020-06-11	2021-06-10
20	RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	2020-06-11	2021-06-10
21	WIDEBAND RADIO COMMUNICATION TESTER	R&S	CMW 500	103818	2020-06-10	2021-06-09
22	RF Filter	Micro-Tronics	BRC50718	S/N-017	2020-06-10	2021-06-09
23	RF Filter	Micro-Tronics	BRC50719	S/N-011	2020-06-10	2021-06-09
24	RF Filter	Micro-Tronics	BRC50720	S/N-011	2020-06-10	2021-06-09
25	RF Filter	Micro-Tronics	BRC50721	S/N-013	2020-06-10	2021-06-09
26	RF Filter	Micro-Tronics	BRM50702	S/N-195	2020-06-10	2021-06-09
27	6dB Attenuator	/	100W/6dB	1172040	2020-06-10	2021-06-09
28	3dB Attenuator	/	2N-3dB	/	2020-06-10	2021-06-09
29	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2019-11-14	2020-11-13

Note: All equipment is calibrated through CHINA CEPREI LABORATORY and GUANGZHOU LISAI CALIBRATION AND TEST CO., LTD.



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 output power and burst timing(Worst Case)

Mode: GSM 900 , Low channel CH 975:880.2MHz						
Power Control level	Output power(dBm)					Conclusion
	Normal	TL/VL	TH/VL	TL/VH	TH/VH	
5	32.51	32.55	32.60	32.68	32.65	PASS
6	29.92	29.92	29.97	30.05	30.12	PASS
7	28.42	28.44	28.45	28.47	28.48	PASS
8	26.21	26.18	26.19	26.17	26.24	PASS
9	25.46	25.36	25.37	25.39	25.43	PASS
10	22.46	22.50	22.57	22.51	22.54	PASS
11	20.85	20.90	20.89	20.84	20.80	PASS
12	18.69	18.62	18.57	18.67	18.61	PASS
13	15.98	16.07	16.05	16.06	16.09	PASS
14	13.96	13.87	13.94	13.84	13.94	PASS
15	12.76	12.78	12.73	12.70	12.80	PASS
16	11.54	11.59	11.63	11.65	11.72	PASS
17	9.48	9.42	9.51	9.45	9.44	PASS
18	6.18	6.22	6.31	6.36	6.45	PASS
19	4.49	4.50	4.49	4.45	4.49	PASS

Mode: GSM 900 , middle channel CH 37:897.4MHz						
Power Control level	Output power(dBm)					Conclusion
	Normal	TL/VL	TH/VL	TL/VH	TH/VH	
5	32.46	32.49	32.58	32.52	32.54	PASS
6	30.02	30.09	30.08	30.16	30.10	PASS
7	28.43	28.40	28.48	28.49	28.46	PASS
8	26.20	26.14	26.07	26.09	26.05	PASS
9	25.57	25.49	25.46	25.54	25.49	PASS
10	22.54	22.64	22.73	22.75	22.84	PASS
11	20.76	20.73	20.79	20.76	20.76	PASS
12	18.75	18.84	18.88	18.95	18.88	PASS
13	16.02	16.12	16.16	16.07	16.10	PASS
14	13.99	13.89	13.80	13.71	13.78	PASS
15	12.64	12.68	12.76	12.76	12.73	PASS
16	11.54	11.60	11.64	11.67	11.70	PASS
17	9.45	9.42	9.40	9.31	9.34	PASS
18	6.19	6.09	6.03	6.10	6.11	PASS
19	4.54	4.56	4.58	4.66	4.68	PASS



Mode: GSM 900 , High channel CH 124:914.8MHz						
Power Control level	Output power(dBm)					Conclusion
	Normal	TL/VL	TH/VL	TL/VH	TH/VH	
5	32.58	32.48	32.56	32.66	32.71	PASS
6	30.08	29.99	29.93	29.96	29.99	PASS
7	28.45	28.51	28.55	28.60	28.62	PASS
8	26.09	26.04	26.03	26.09	26.07	PASS
9	25.50	25.56	25.65	25.72	25.77	PASS
10	22.47	22.52	22.43	22.52	22.47	PASS
11	20.86	20.89	20.82	20.90	20.90	PASS
12	18.82	18.80	18.87	18.79	18.83	PASS
13	16.09	16.07	15.98	16.06	16.03	PASS
14	14.03	13.98	13.90	13.93	13.96	PASS
15	12.66	12.67	12.71	12.76	12.75	PASS
16	11.43	11.36	11.39	11.36	11.35	PASS
17	9.29	9.33	9.30	9.35	9.29	PASS
18	6.18	6.11	6.07	6.01	6.09	PASS
19	4.50	4.59	4.60	4.59	4.57	PASS

Mode: DCS1800, Low channel CH 512:1710.2MHz						
Power Control level	Output power(dBm)					Conclusion
	Normal	TL/VL	TH/VL	TL/VH	TH/VH	
0	29.56	29.52	29.48	29.49	29.54	PASS
1	28.20	28.11	28.08	28.16	28.11	PASS
2	26.39	26.46	26.54	26.60	26.50	PASS
3	23.63	23.63	23.68	23.71	23.76	PASS
4	20.99	21.01	20.96	21.05	21.05	PASS
5	20.48	20.39	20.43	20.39	20.37	PASS
6	18.75	18.75	18.75	18.69	18.77	PASS
7	16.35	16.30	16.28	16.38	16.31	PASS
8	14.45	14.36	14.44	14.36	14.30	PASS
9	11.77	11.76	11.81	11.86	11.78	PASS
10	9.42	9.45	9.41	9.33	9.41	PASS
11	7.36	7.43	7.38	7.40	7.49	PASS
12	5.79	5.71	5.63	5.55	5.57	PASS
13	3.98	4.07	4.02	4.09	4.03	PASS
14	3.01	3.05	2.97	2.88	2.90	PASS
15	0.62	0.64	0.61	0.68	0.62	PASS



Mode: DCS1800, middle channel CH 698:1747.4MHz						
Power Control level	Output power(dBm)					Conclusion
	Normal	TL/VL	TH/VL	TL/VH	TH/VH	
0	29.59	29.49	29.52	29.42	29.41	PASS
1	28.17	28.11	28.13	28.17	28.25	PASS
2	26.27	26.31	26.26	26.16	26.12	PASS
3	23.59	23.63	23.70	23.78	23.83	PASS
4	20.99	20.91	20.82	20.88	20.94	PASS
5	20.56	20.57	20.57	20.50	20.58	PASS
6	18.62	18.65	18.56	18.50	18.57	PASS
7	16.49	16.40	16.37	16.37	16.32	PASS
8	14.42	14.41	14.44	14.35	14.30	PASS
9	11.93	11.84	11.93	11.85	11.87	PASS
10	9.37	9.45	9.40	9.42	9.39	PASS
11	7.39	7.42	7.34	7.31	7.22	PASS
12	5.77	5.76	5.79	5.80	5.73	PASS
13	4.10	4.19	4.19	4.23	4.21	PASS
14	3.00	2.93	2.84	2.79	2.81	PASS
15	0.66	0.59	0.66	0.75	0.77	PASS

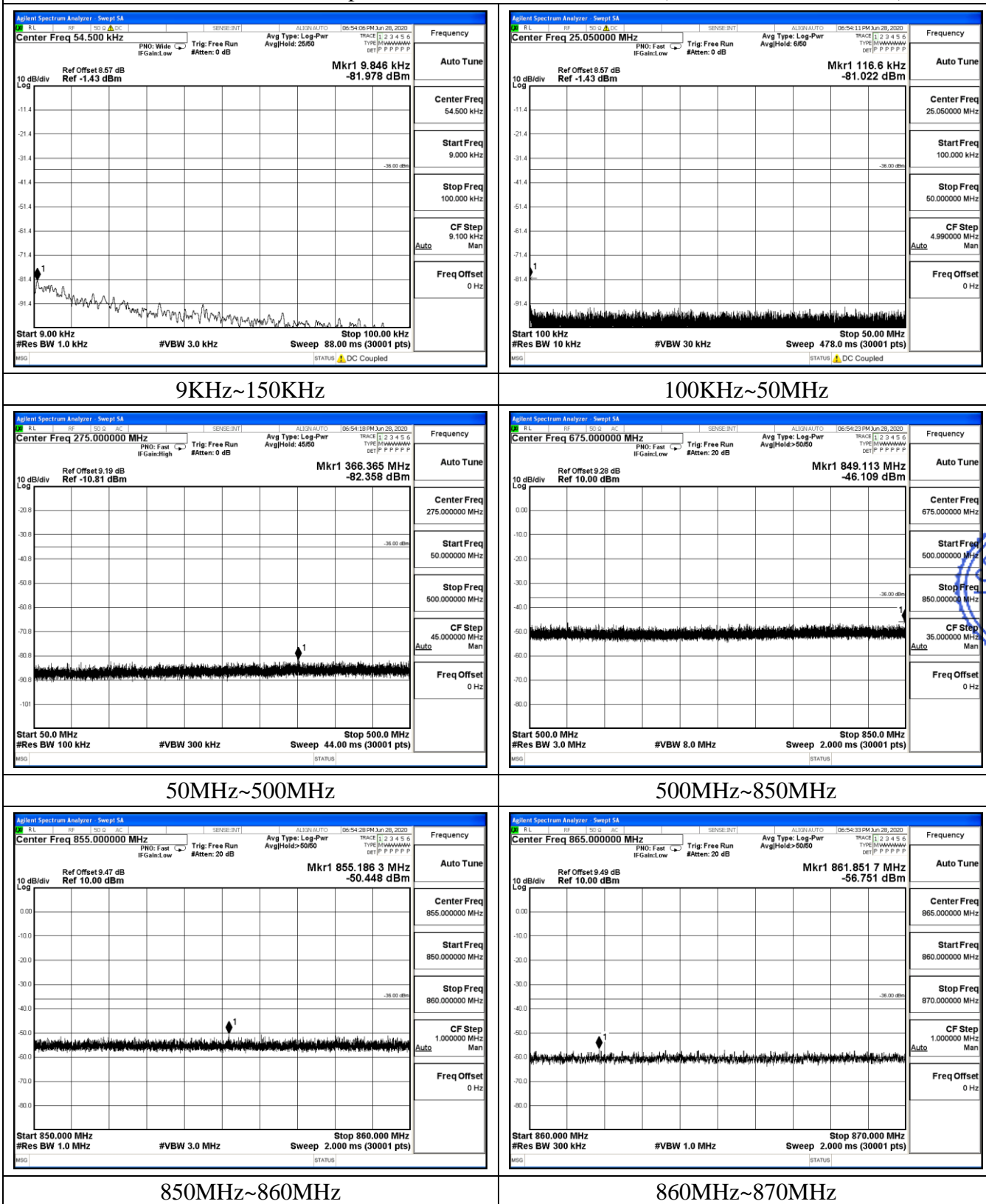
Mode: DCS1800, high channel CH 885:1784.8MHz						
Power Control level	Output power(dBm)					Conclusion
	Normal	TL/VL	TH/VL	TL/VH	TH/VH	
0	29.54	29.59	29.49	29.47	29.50	PASS
1	28.19	28.17	28.21	28.20	28.13	PASS
2	26.22	26.29	26.22	26.24	26.18	PASS
3	23.59	23.59	23.63	23.67	23.67	PASS
4	21.09	21.16	21.17	21.08	20.99	PASS
5	20.56	20.51	20.48	20.41	20.47	PASS
6	18.75	18.84	18.84	18.87	18.89	PASS
7	16.43	16.46	16.44	16.39	16.44	PASS
8	14.51	14.49	14.42	14.48	14.50	PASS
9	11.88	11.91	11.83	11.82	11.89	PASS
10	9.42	9.44	9.38	9.33	9.35	PASS
11	7.36	7.34	7.29	7.33	7.42	PASS
12	5.75	5.81	5.85	5.76	5.70	PASS
13	4.05	4.02	3.93	3.84	3.90	PASS
14	3.05	3.11	3.17	3.11	3.02	PASS
15	0.66	0.69	0.64	0.63	0.59	PASS



Transmitter spurious emissions

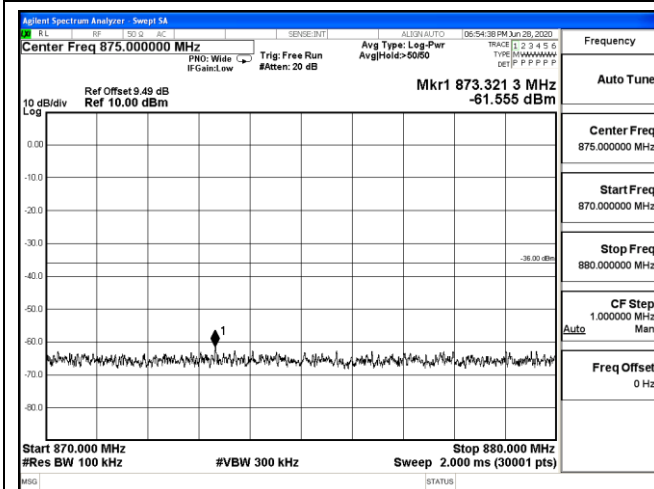
Conducted spurious emissions - MS allocated a channel(Worst Case)

The Worst Test Result of Spurious Emissions for GSM 900 (Middle Channel, Traffic)

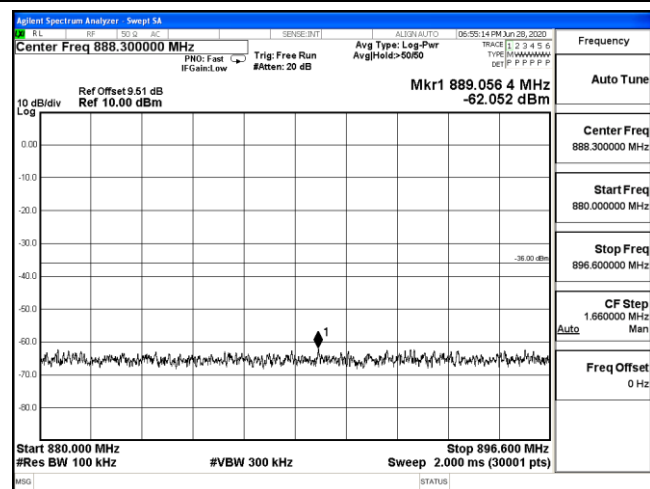




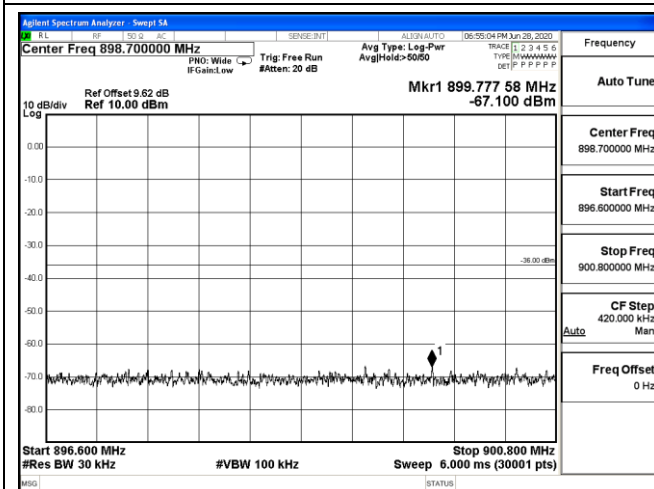
The Worst Test Result of Spurious Emissions for GSM 900 (Middle Channel, Traffic)



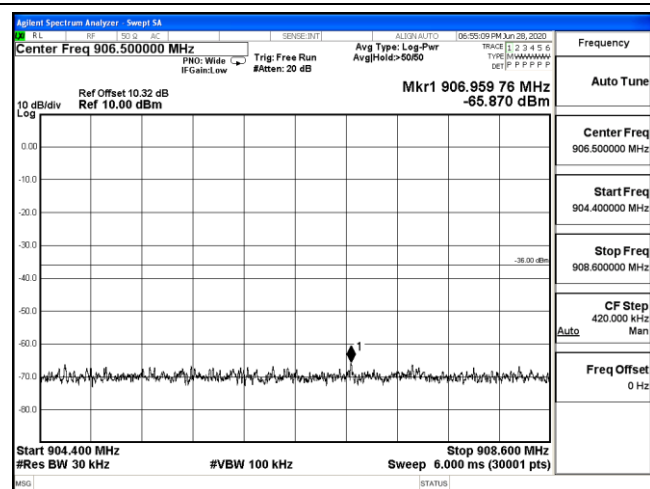
870MHz~880MHz



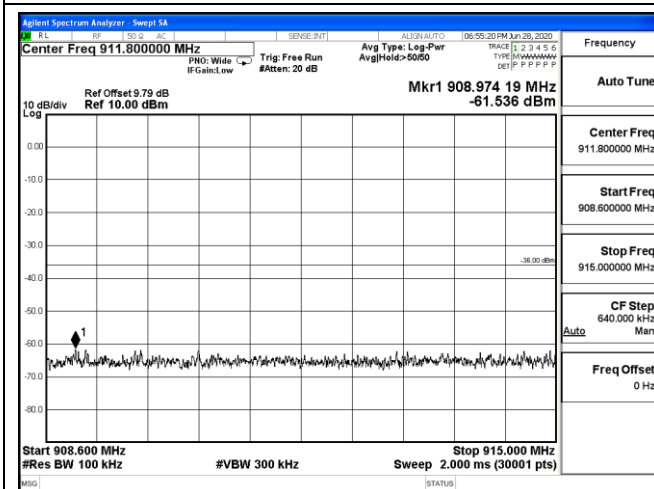
880MHz~896.6MHz



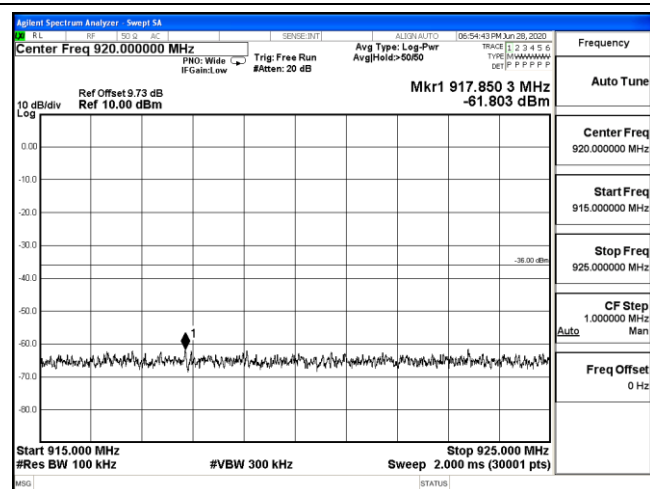
896.6MHz~900.8MHz



904.4MHz~908.6MHz



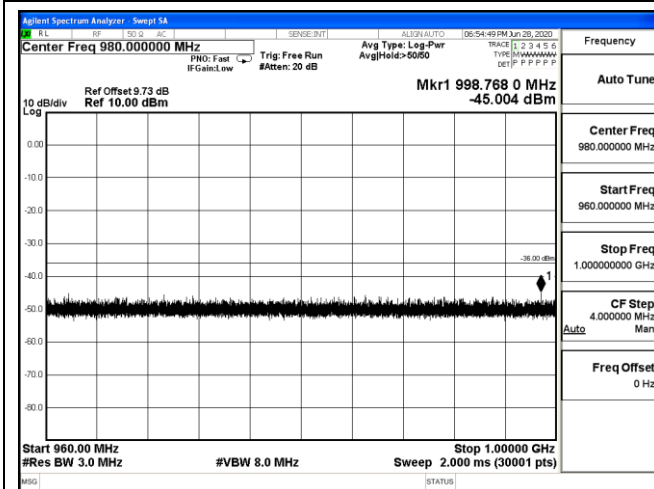
908.6MHz~915MHz



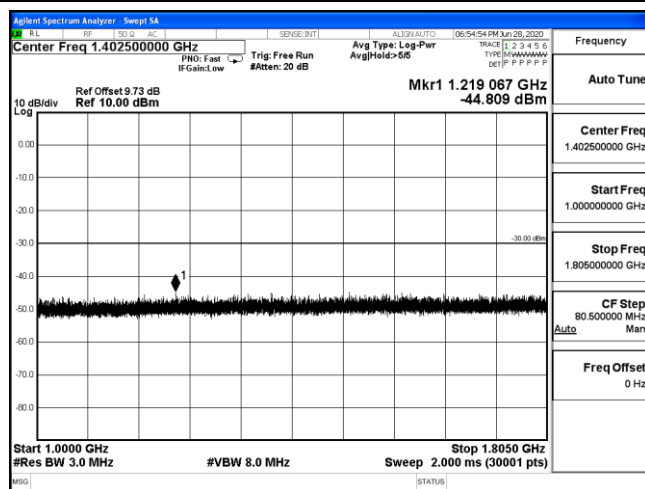
915MHz~925MHz



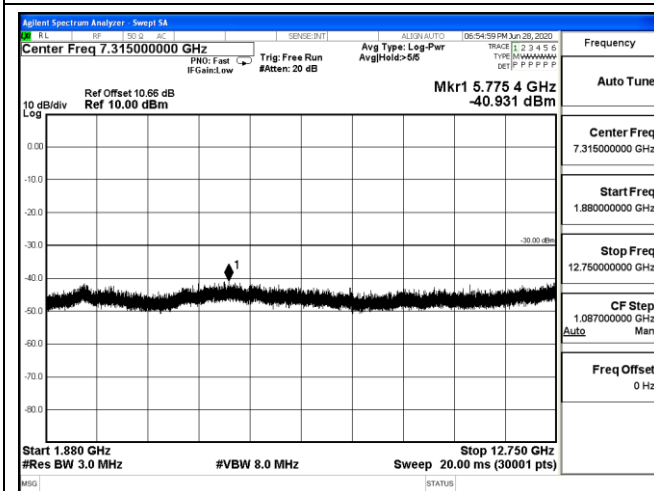
The Worst Test Result of Spurious Emissions for GSM 900 (Middle Channel, Traffic)



960MHz~1GHz



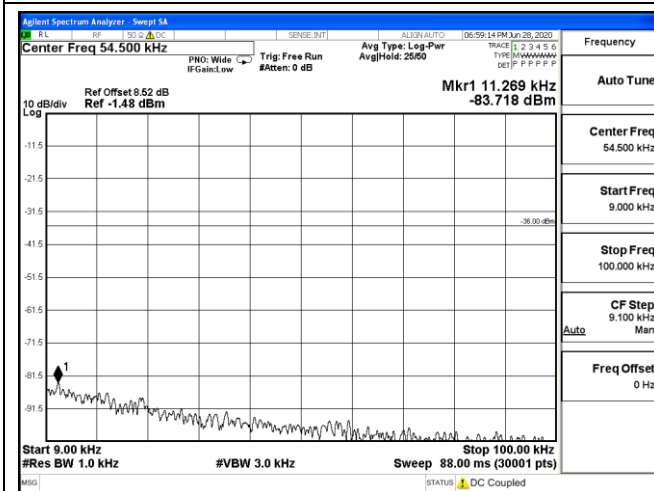
1GHz~1805MHz



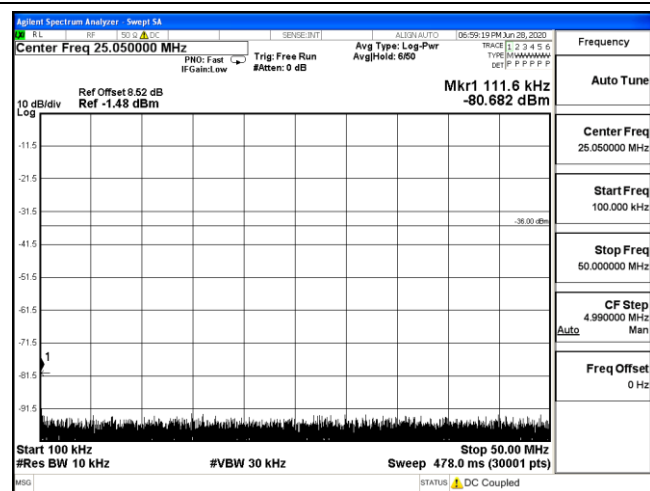
1880MHz~12.75GHz



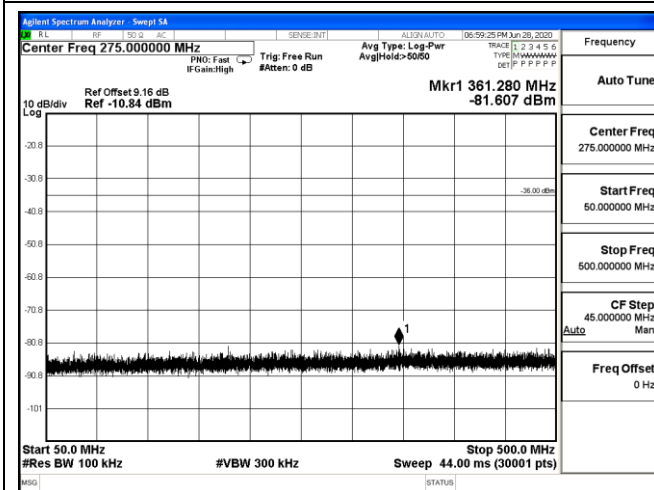
The Worst Test Result of Spurious Emissions for DCS 1800 (Middle Channel, Traffic)



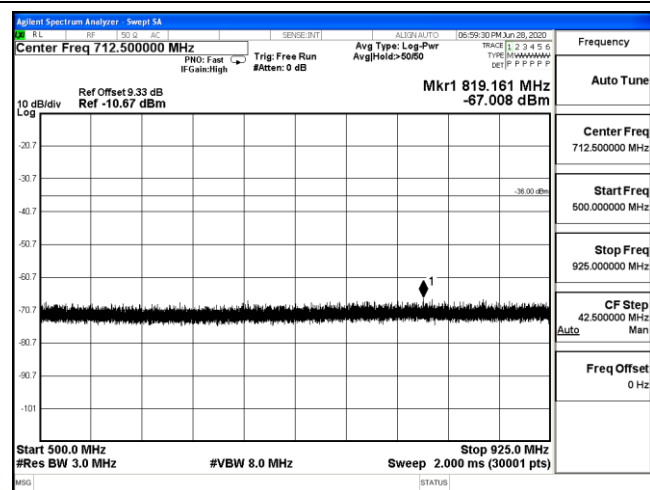
9KHz~100KHz



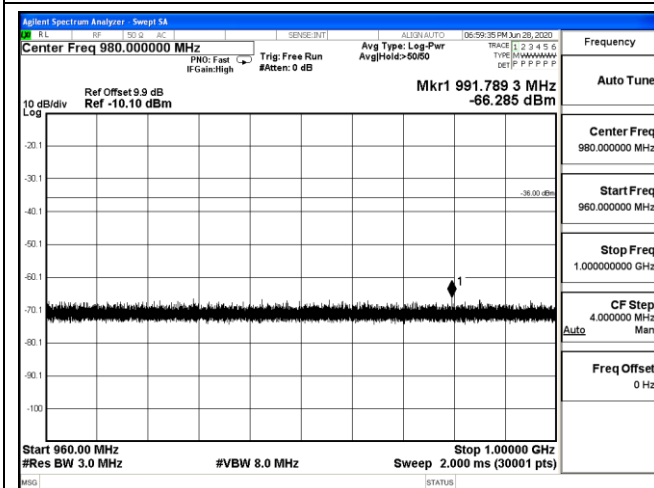
100KHz~50MHz



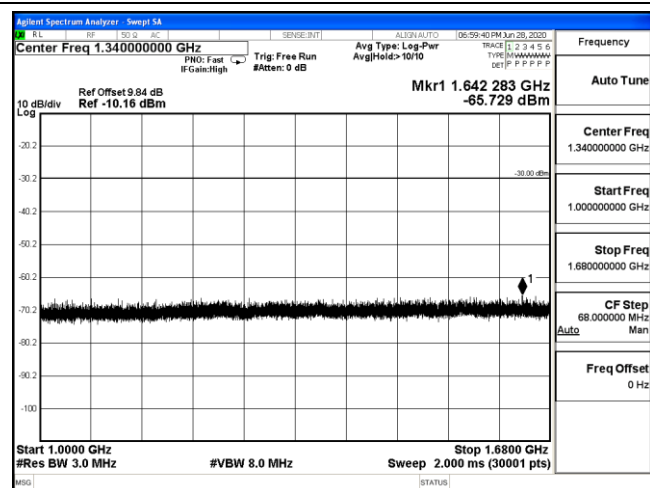
50MHz~500MHz



500MHz~925MHz



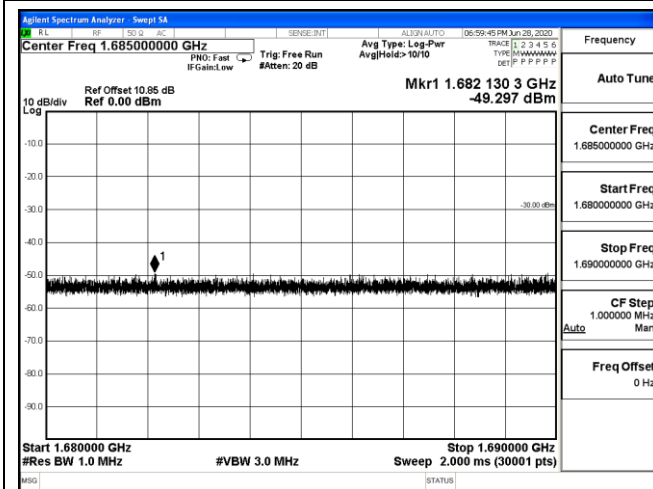
960MHz~1GHz



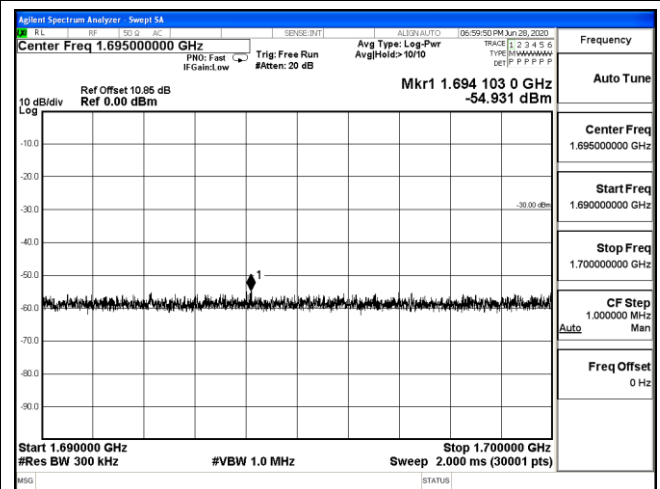
1GHz~1680MHz



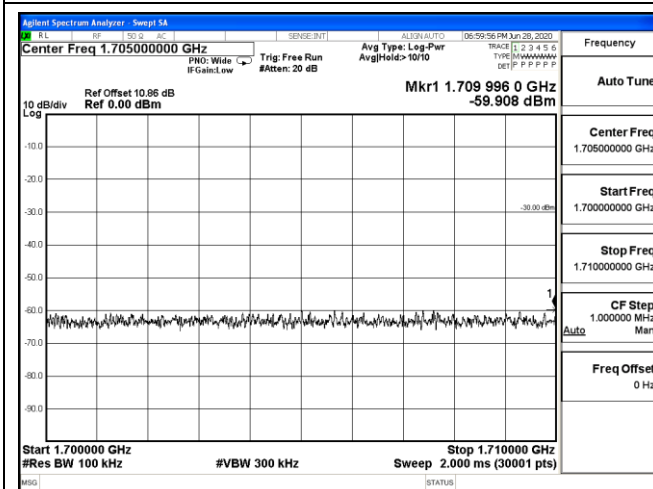
The Worst Test Result of Spurious Emissions for DCS 1800 (Middle Channel, Traffic)



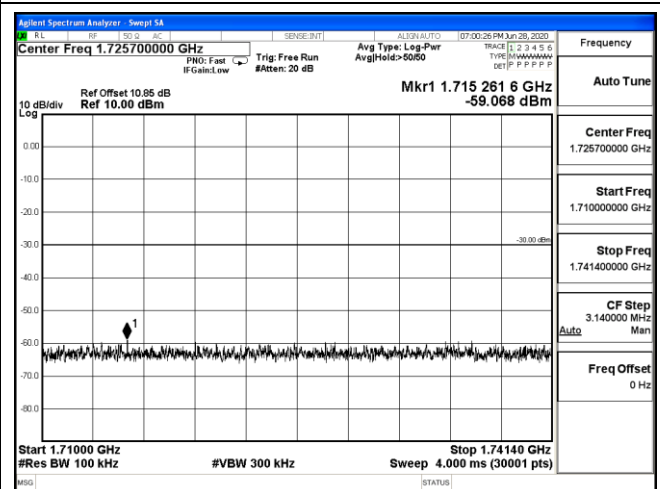
1680MHz~1690MHz



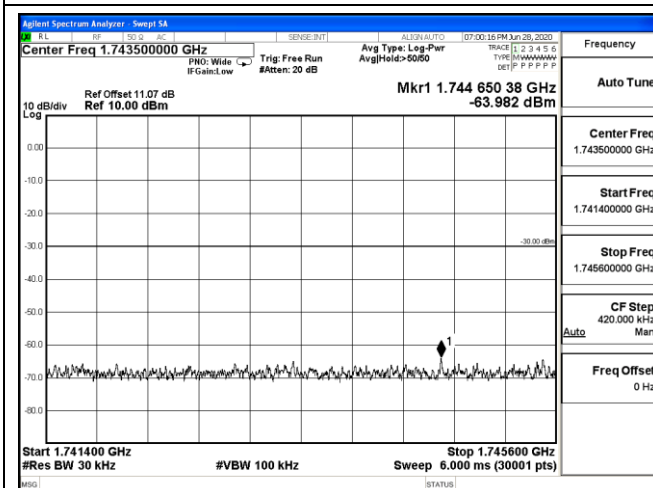
1690MHz~1700MHz



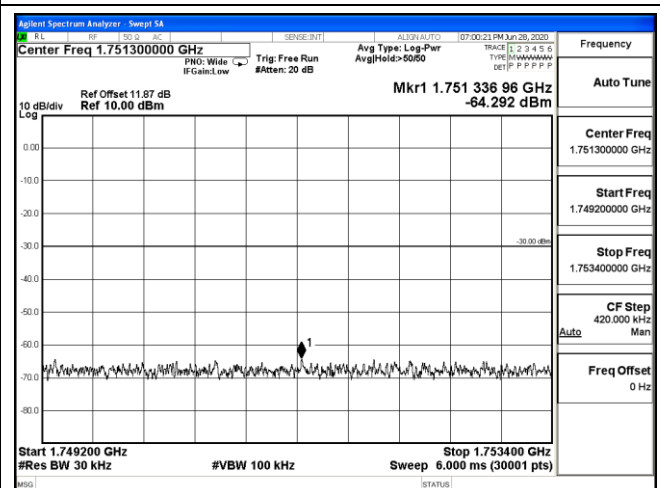
1700MHz~1710MHz



1710MHz~1741.4MHz



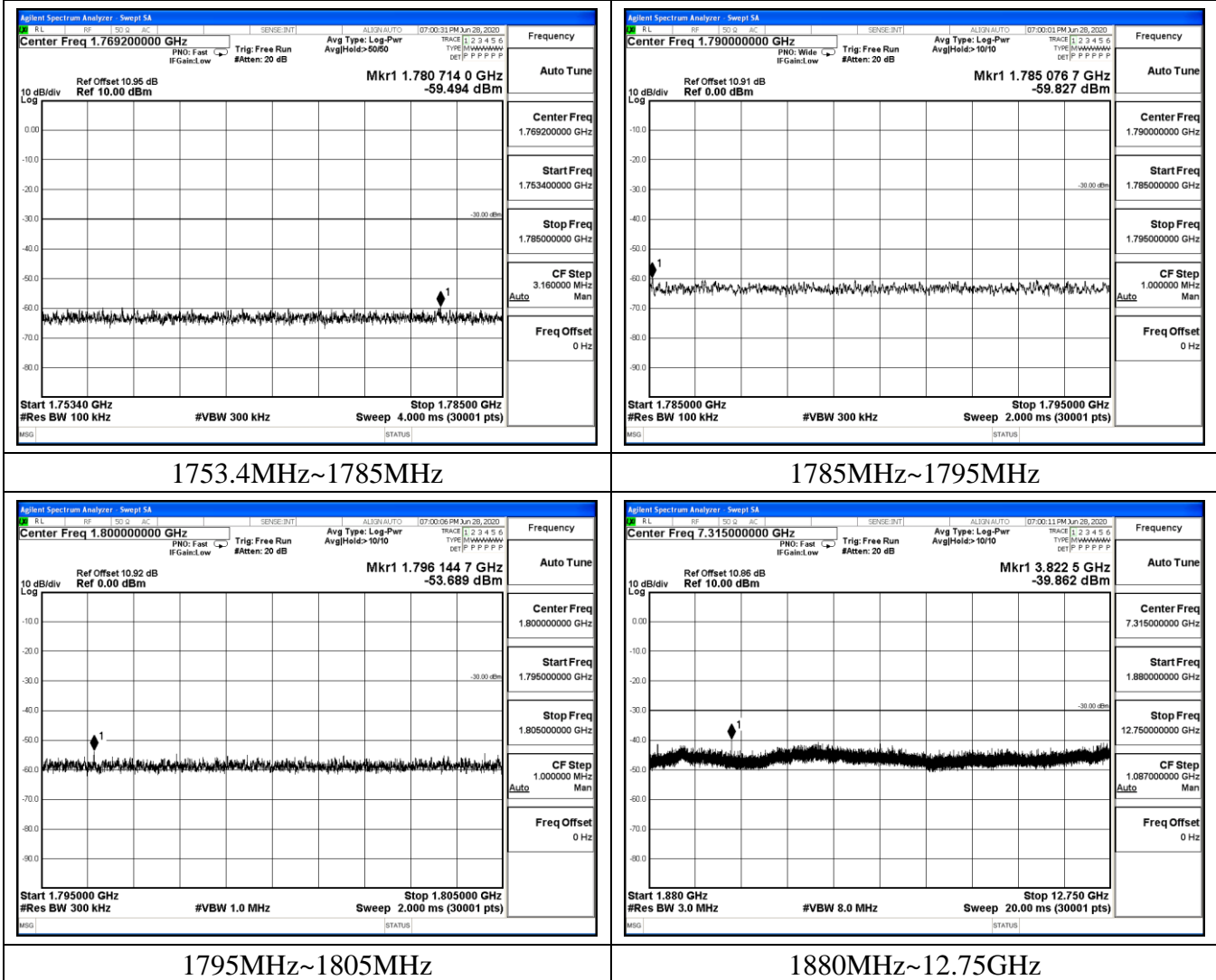
1741.4MHz~1745.6GHz



1749.2MHz~1753.4MHz



The Worst Test Result of Spurious Emissions for DCS 1800 (Middle Channel, Traffic)





Transmitter spurious emissions

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

GSM 900 Band: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
242.48	Horizontal	-60.09	-36.00	Pass
329.04	H	-59.97	-36.00	
1792.32	H	-58.82	-30.00	
2695.09	H	-70.67	-30.00	
3584.81	H	-69.38	-30.00	
GSM 900 Band: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
259.64	Vertical	-57.42	-36.00	Pass
385.77	V	-59.20	-36.00	
1794.39	V	-55.38	-30.00	
2695.74	V	-60.16	-30.00	
3584.11	V	-65.53	-30.00	

GSM 1800 Band: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
269.80	Horizontal	-54.86	-36.00	Pass
405.98	H	-61.95	-36.00	
1446.41	H	-56.46	-30.00	
2826.68	H	-56.19	-30.00	
3498.27	H	-58.03	-30.00	
GSM 1800 Band: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
197.66	Vertical	-52.97	-36.00	Pass
368.01	V	-70.06	-36.00	
1450.29	V	-69.32	-30.00	
2830.71	V	-62.07	-30.00	
3494.81	V	-65.20	-30.00	





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

GSM 900 Band: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
162.74	Horizontal	-74.44	-57.00	Pass
337.21	H	-61.57	-57.00	
1528.81	H	-74.58	-47.00	
2224.74	H	-64.66	-47.00	
3428.78	H	-69.39	-47.00	
GSM 900 Band: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
187.40	Vertical	-73.26	-57.00	Pass
319.12	V	-69.27	-57.00	
1576.09	V	-64.71	-47.00	
2004.56	V	-62.72	-47.00	
3520.68	V	-73.58	-47.00	

DCS 1800 Band: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
101.31	Horizontal	-65.95	-57.00	Pass
471.32	H	-62.65	-57.00	
1704.68	H	-63.55	-47.00	
2583.29	H	-60.61	-47.00	
3276.90	H	-65.31	-47.00	
DCS 1800 Band: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
232.62	Vertical	-60.46	-57.00	Pass
412.61	V	-73.05	-57.00	
1800.99	V	-62.17	-47.00	
2212.62	V	-75.96	-47.00	
3378.28	V	-73.56	-47.00	



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