

**SGS-CSTC Standards
Technical Services Co., Ltd.**

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Report No.: SHEMO080500029IT

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EMC TEST REPORT

Application No.: SHEMO080500029IT

Applicant: ZTE CORPORATION

Equipment Under Test (EUT):

NOTE: The following sample(s) submitted was/were identified on behalf of the client as

EUT Name: HSDPA USB Modem

Model Name: MF626

Market Name: MF626

Standards: CFR 47 part 2: 2004,
CFR 47 Part 15: 2005,
ANSI C63.4: 2003

Date of Receipt: June 12, 2008

Date of Test: June 16, 2008 to June 20, 2008

Date of Issue: June 23, 2008

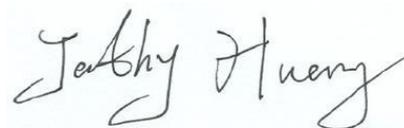
Test Result :	PASS*
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* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Tino Pan
E&E Section Manager
SGS-CSTC Co., Ltd.



Jathy Huang
E&E EMC Engineer
SGS-CSTC Co., Ltd

This report refers to the General Conditions for Inspection and Testing Services, printed overleaf

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the SGS PRODUCT CERTIFICATION MARK.. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

All test results in this report can be traceable to National or International Standards.

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2 Test Summary

Test	Test Requirement	Test Method	Class / Severity	Result
Radiated Emission 30MHz-1000MHz	CFR 47 Part 15	ANSI C63.4: 2003	Class B	PASS
Conducted Emission 150KHz-30MHz	CFR 47 Part 15	ANSI C63.4: 2003	Class B	N/A

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4 General Information

4.1 Client Information

Applicant: ZTE CORPORATION

Address of Applicant: ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan
District, Shenzhen, Guangdong, P.R. China 518057

4.2 General Description of E.U.T.

EUT Name: HSDPA USB Modem

Model No.: MF626

Marketing Name: MF626

Frequency Bands GSM850/900/1800/1900 WCDMA Band I/ II/ V

Testing Bands GSM850/1900 WCDMA Band II/ V

4.3 Description of Support Units

The EUT has been tested as an independent unit.

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4.4 Standards Applicable for Testing

CFR 47 part 2: 2004, CFR 47 Part 15: 2005, ANSI C63.4: 2003

Table 1 : Tests Carried Out Under CFR 47 Part 15: 2005 :

Standard		Status
FCC Part 15 Subpart B: 2005	Radiated Emission	√
FCC Part 15 Subpart B: 2005	Conducted Emission	x

× Indicates that the test is not applicable

√ Indicates that the test is applicable

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4.5 Test Location

The tests of Radiated Emissions was performed at:

SIMT EMC Laboratory, 1/F, Building No.1, No.716 Yi shan Road, Shanghai, P.R.China.
Tel: +86 21 64701390 Fax: +86 21 64514252

Conducted Emission was performed at SGS E&E EMC lab

SGS-CSTC EMC Laboratory, No.889 Yishan Road, Shanghai, P.R.China
Tel:+86 21 61402666 Fax: +86 21 54500954

4.6 Test Confident level

Test Confident level is recognized, certified, or accredited by the following organizations:

NVLAP – Lab Code: 200632-0

SIMT EMC Laboratory is recognized under the National Voluntary Laboratory Accreditation Program (NVLAP/NIST).
NVLAP Code: 200632-0. Effective dates: 2008-01-01 through 2009-12-31.

VCCI

The 10m Semi-anechoic chamber and Shielded Room of SIMT have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: 1153.
Date of Registration: May 19, 2004. Valid until May 18, 2007

CNAL – LAB Code: L0134

SIMT EMC Laboratory has been assessed and in compliance with CNAL/AC01:2005 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2005 General Requirements for the Competence of Testing Laboratories.)

FCC – Registration No.: 142171

SIMT EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 142171. Effective dates: November 30, 2005 through November 30, 2008. With the above and NVLAP, SIMT is an authorized test laboratory for the DoC process.

4.7 Abnormalities from Standard Conditions

None.

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5 Equipment Used during Test

RE in SAC		ETSI EN 301 489-1: EN 55022				
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due date
1	HORN ANTENNA	R&S	HF 906	100023	2008-06-17	2009-06-16
2	BROADBAND ANTENNA	R&S	HL 562	100019	2008-06-17	2009-06-16
3	EMI TEST RECEIVER	R&S	ESI 26	838786/011	2008-03-06	2009-03-05
4	UNIVERSAL RADIO COMMUNICATION TESTER	R&S	CMU 200	100536	2008-01-25	2009-01-24

General Equipment

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal.Due date
1	Temperature, Humidity & Barometer	Oregon Scientific	BA-888	EMC0001 to EMC0004	2007-07-25	2008-07-24
2	DMM	Fluke	73	70681569 or 70671122	2007-07-23	2008-07-22

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6 Emission Test Results

6.1 Radiated Emissions, 30MHz to 1GHz

Test Requirement:	CFR 47 Part 15
Test Method:	ANSI C63.4, CISPR 22
Test Date:	June 16, 2008 to June 20, 2008
Frequency Range:	30MHz to 1GHz
Measurement Distance:	3m for ANSI C63.4 and 10m for CISPR 22
Class:	N/A
Detector:	Peak for pre-scan (120kHz resolution bandwidth)

6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 25.0°C Humidity: 55 % RH Atmospheric Pressure: 1014 mbar

EUT Operation: EUT allocated GSM850/1900 WCDMA Band II/ V connected to PC.

Note: We have performed all status and we just choose the worse case in this report,

1. we tested 15B emissions with power on EUT.

2. we tested 15B related emissions when carrier turn on.

The carrier and related emissions test data is in Pt.22/24, we test carrier on emission for your reference.

3. we tested 15B emissions as a receiver when carrier turn off.

And we have found there is no additional emission happens in condition1 & condition2, so we have the condition 1 test result as the worst data shown in the report.

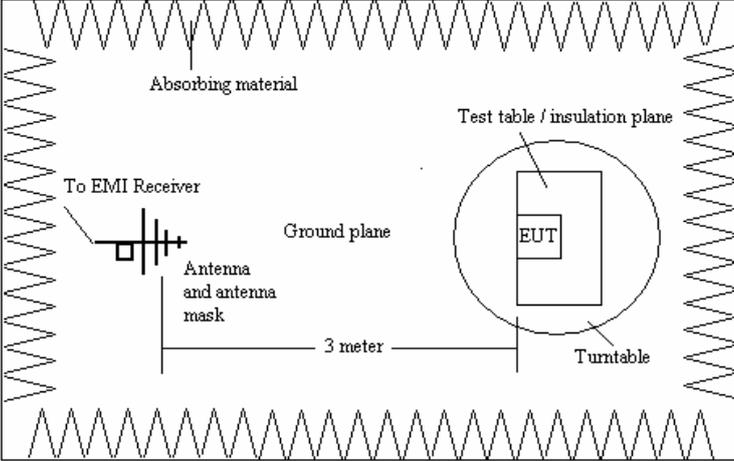
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6.1.2 Test setup:



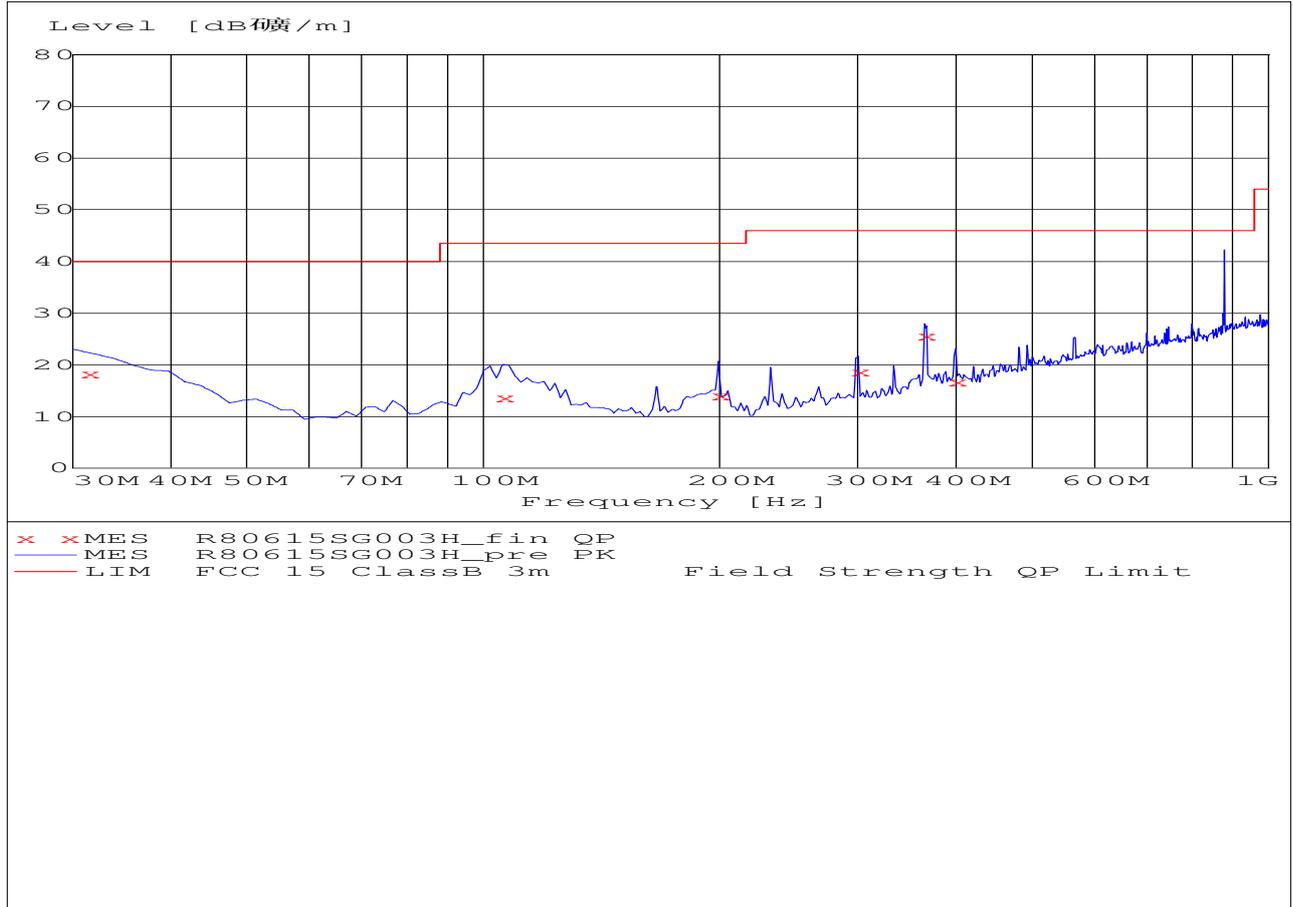
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GSM850 idle mode:
Horizontal:



Frequency MHz	Level dBµV/m	Height cm	Azimuth deg	Polarisation	Limit	Margin
31.393885	18.26	100.0	180.00	HORIZONTAL	40.00	21.74
105.811623	13.61	300.0	270.00	HORIZONTAL	43.52	29.91
199.118236	13.88	300.0	270.00	HORIZONTAL	43.52	29.64
300.200401	18.61	100.0	90.00	HORIZONTAL	46.02	27.41
364.348697	25.61	200.0	180.00	HORIZONTAL	46.02	20.41
399.338677	16.67	300.0	180.00	HORIZONTAL	46.02	29.35

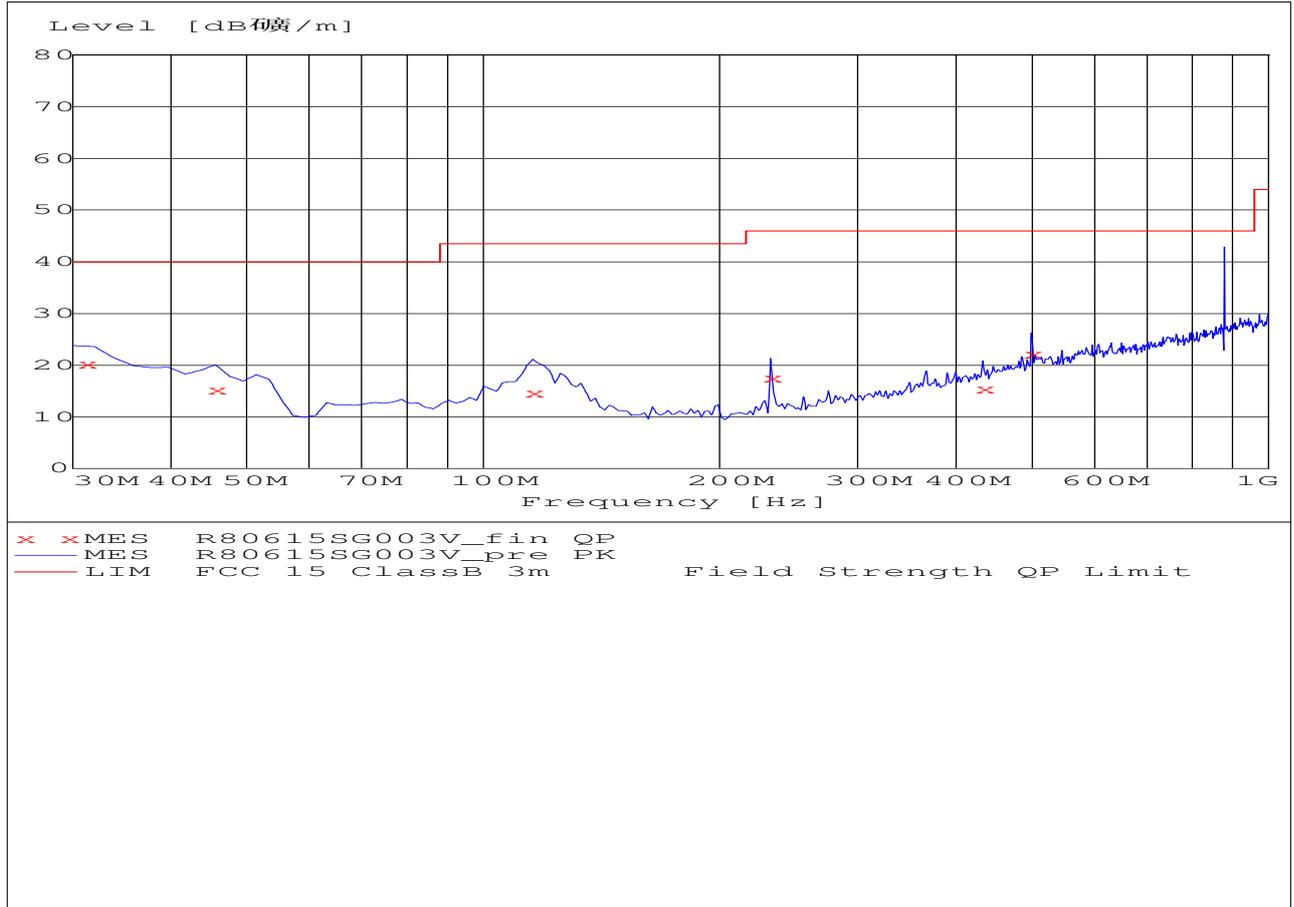
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Vertical:



Frequency MHz	Level dB μ V/m	Height cm	Azimuth deg	Polarisation	Limit	Margin
31.132211	20.11	100.0	180.00	VERTICAL	40.00	19.89
45.551102	15.25	400.0	90.00	VERTICAL	40.00	24.75
115.531062	14.52	400.0	90.00	VERTICAL	43.52	29.00
232.164329	17.45	200.0	180.00	VERTICAL	46.02	28.57
432.384770	15.41	300.0	90.00	VERTICAL	46.02	30.61
498.476954	22.11	100.0	90.00	VERTICAL	46.02	23.91

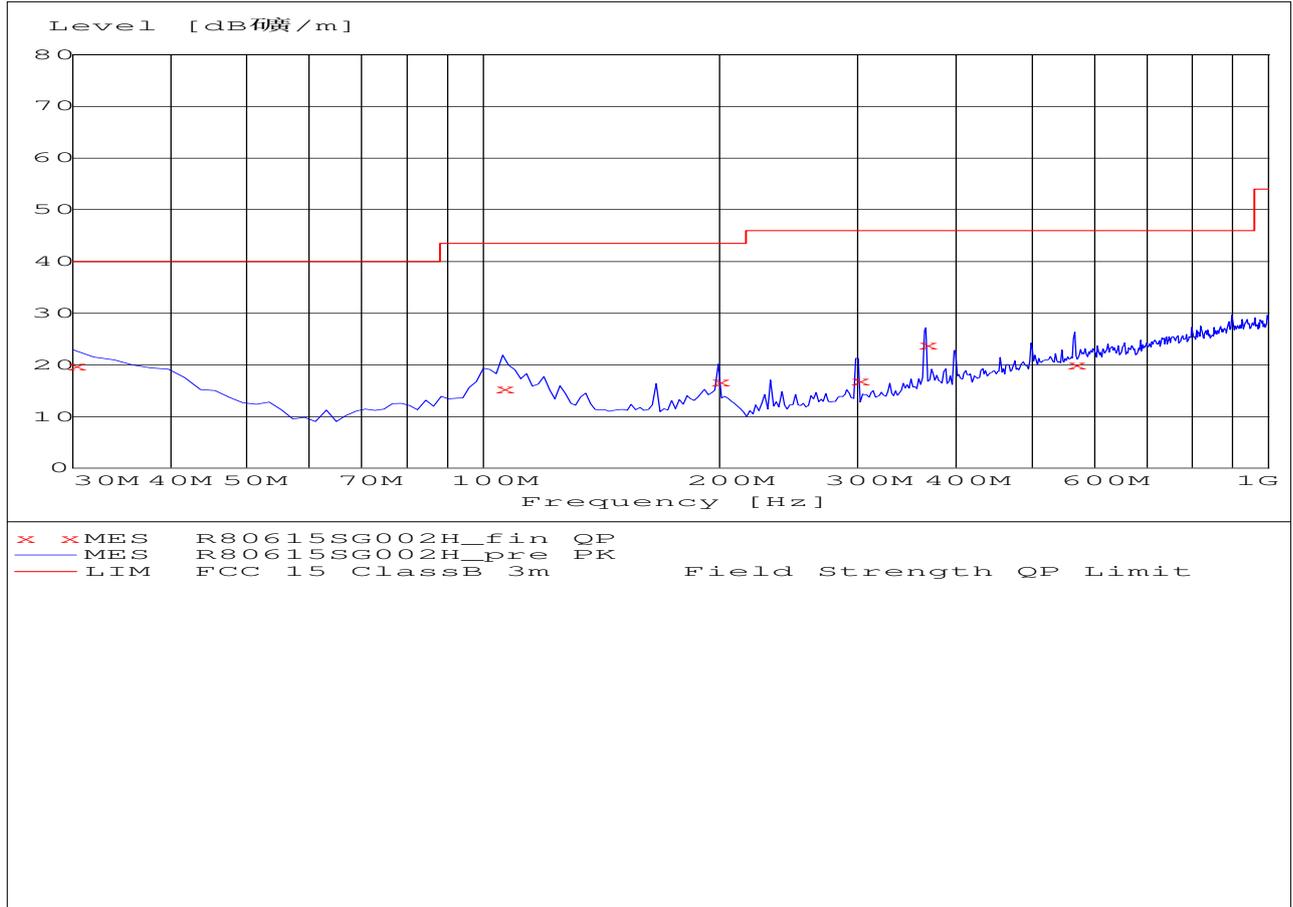
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PCS1900 idle mode:
Horizontal:



Frequency MHz	Level dB μ V/m	Height cm	Azimuth deg	Polarisation	Limit	Margin
30.178521	19.77	400.0	0.00	HORIZONTAL	40.00	20.23
105.811623	15.39	400.0	0.00	HORIZONTAL	43.52	28.13
199.118236	16.65	100.0	0.00	HORIZONTAL	43.52	26.87
300.200401	16.82	200.0	0.00	HORIZONTAL	46.02	29.20
366.292585	23.89	400.0	90.00	HORIZONTAL	46.02	22.13
566.513026	19.98	200.0	0.00	HORIZONTAL	46.02	26.04

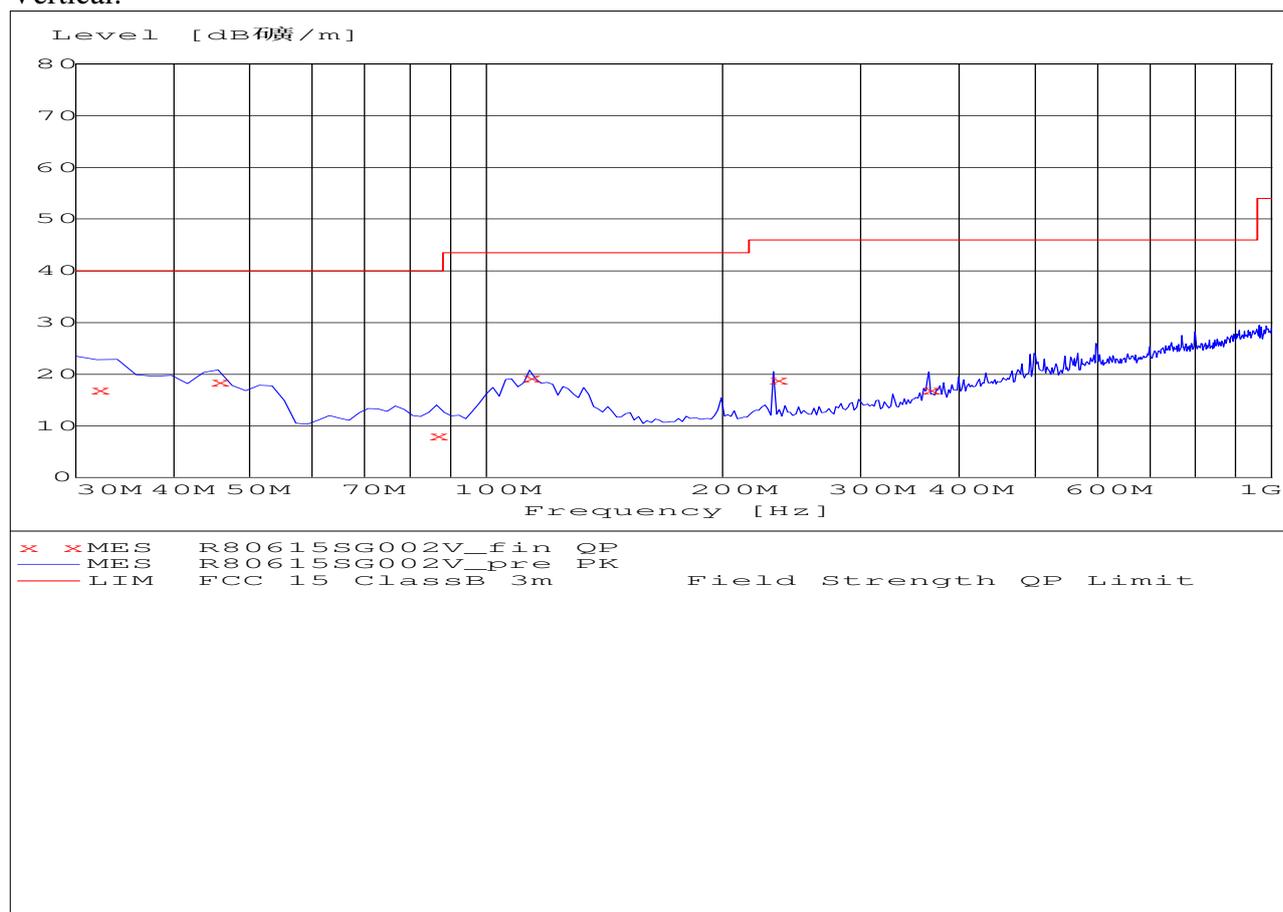
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Vertical:



Frequency MHz	Level dB μ V/m	Height cm	Azimuth deg	Polarisation	Limit	Margin
32.013837	16.88	200.0	90.00	VERTICAL	40.00	23.12
45.551102	18.40	200.0	180.00	VERTICAL	40.00	21.60
86.372745	7.96	300.0	90.00	VERTICAL	40.00	32.04
113.587174	19.16	100.0	90.00	VERTICAL	43.52	23.36
234.164329	18.73	100.0	180.00	VERTICAL	46.02	27.29
366.292585	16.87	400.0	270.00	VERTICAL	46.02	29.15

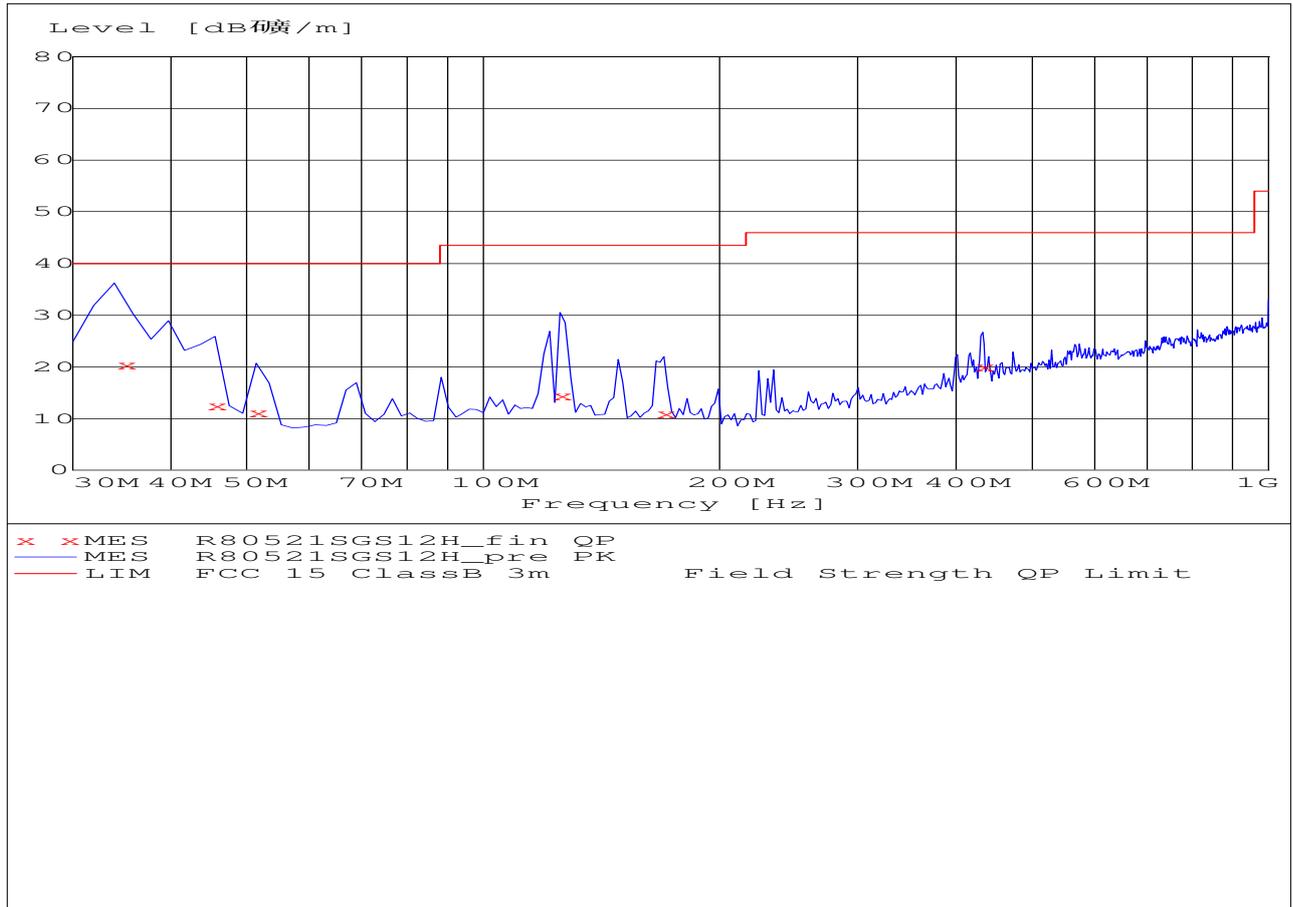
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WCDMA Band II idle mode:
Horizontal:



Frequency MHz	Level dB μ V/m	Height cm	Azimuth deg	Polarisation	Limit dB μ V/m	Margin dB
34.945540	20.22	100.0	0.00	HORIZONTAL	40.00	19.78
45.551102	12.41	100.0	90.00	HORIZONTAL	40.00	27.59
51.382766	11.08	300.0	90.00	HORIZONTAL	40.00	28.92
125.250501	14.36	400.0	0.00	HORIZONTAL	43.52	29.16
169.959920	10.77	100.0	90.00	HORIZONTAL	43.52	32.75
432.384770	20.01	100.0	90.00	HORIZONTAL	46.02	26.01

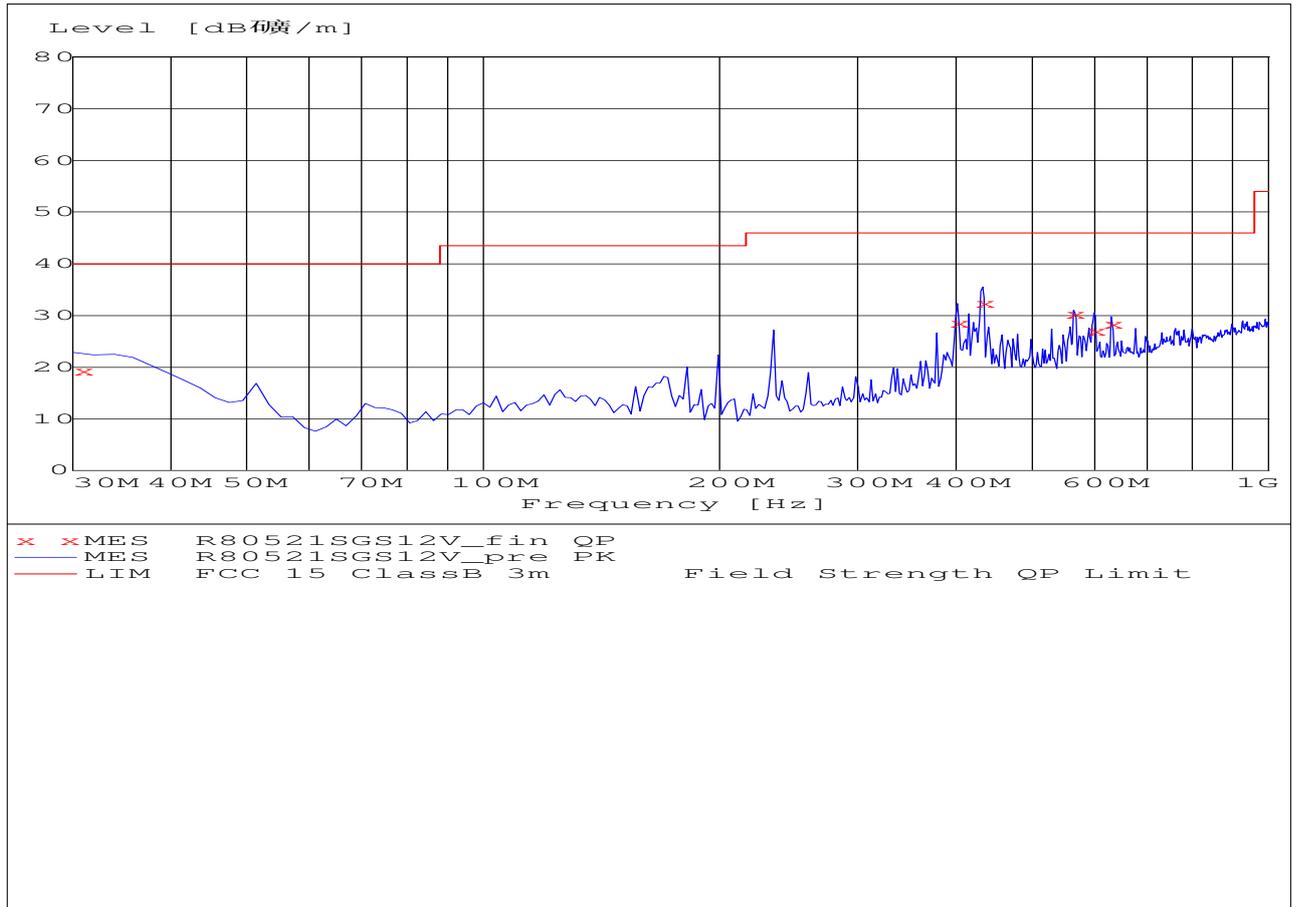
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Vertical:



Frequency MHz	Level dB μ V/m	Height cm	Azimuth deg	Polarisation	Limit dB μ V/m	Margin dB
30.780918	19.31	200.0	0.00	VERTICAL	40.00	20.69
401.282565	28.34	200.0	60.00	VERTICAL	46.02	17.68
432.384770	32.41	200.0	90.00	VERTICAL	46.02	13.61
564.569138	30.29	100.0	90.00	VERTICAL	46.02	15.73
599.559118	27.02	200.0	90.00	VERTICAL	46.02	19.00
630.661323	28.33	400.0	270.00	VERTICAL	46.02	17.69

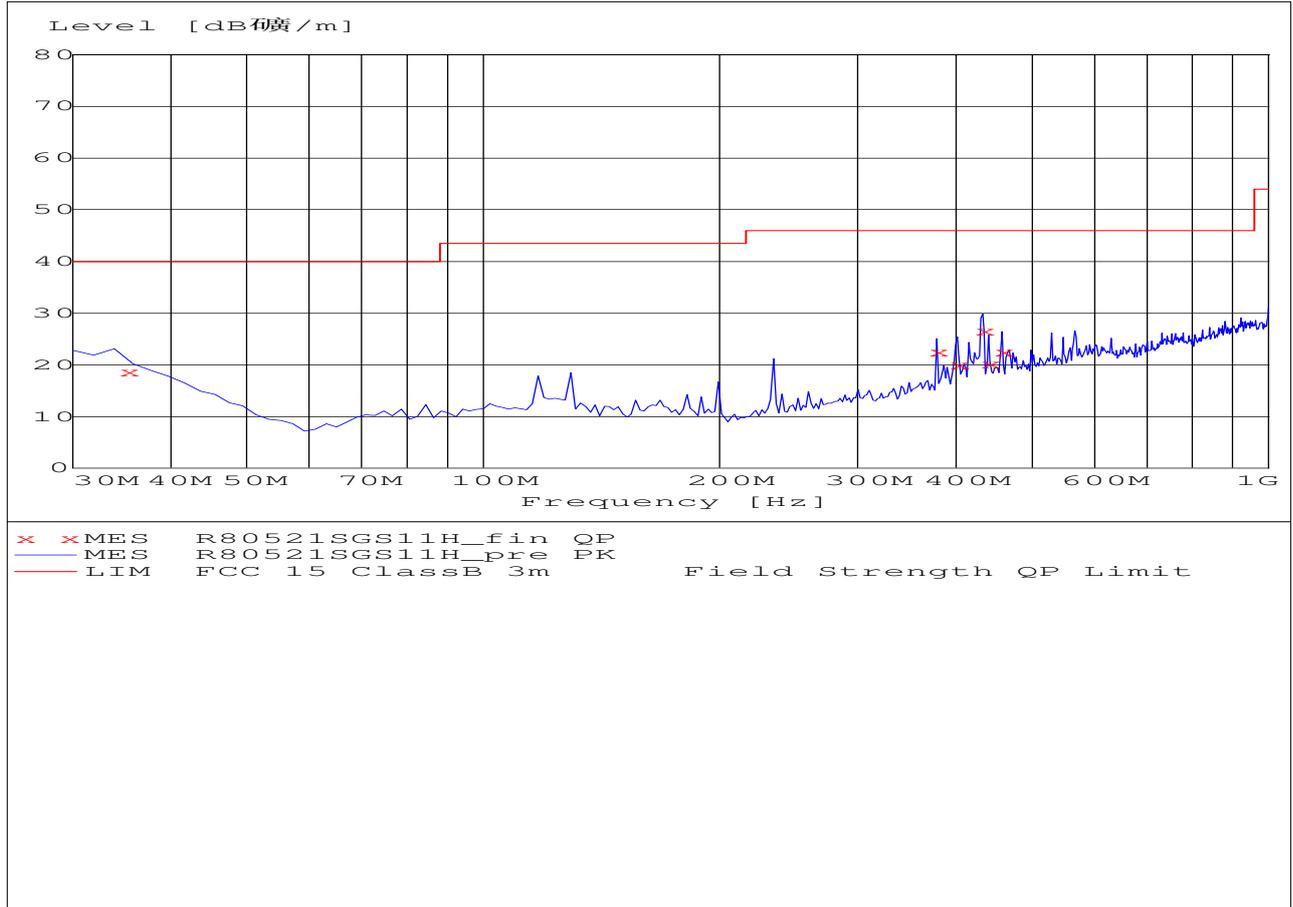
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WCDMA Band V idle mode:
Horizontal:



Frequency MHz	Level dB μ V/m	Height cm	Azimuth deg	Polarisation	Limit dB μ V/m	Margin dB
35.181006	18.49	100.0	90.00	HORIZONTAL	40.00	21.51
377.955912	22.56	200.0	180.00	HORIZONTAL	46.02	23.46
401.282565	19.86	200.0	180.00	HORIZONTAL	46.02	26.16
432.384770	26.40	200.0	0.00	HORIZONTAL	46.02	19.62
440.160321	20.15	300.0	90.00	HORIZONTAL	46.02	25.87
457.655311	22.56	300.0	0.00	HORIZONTAL	46.02	23.46

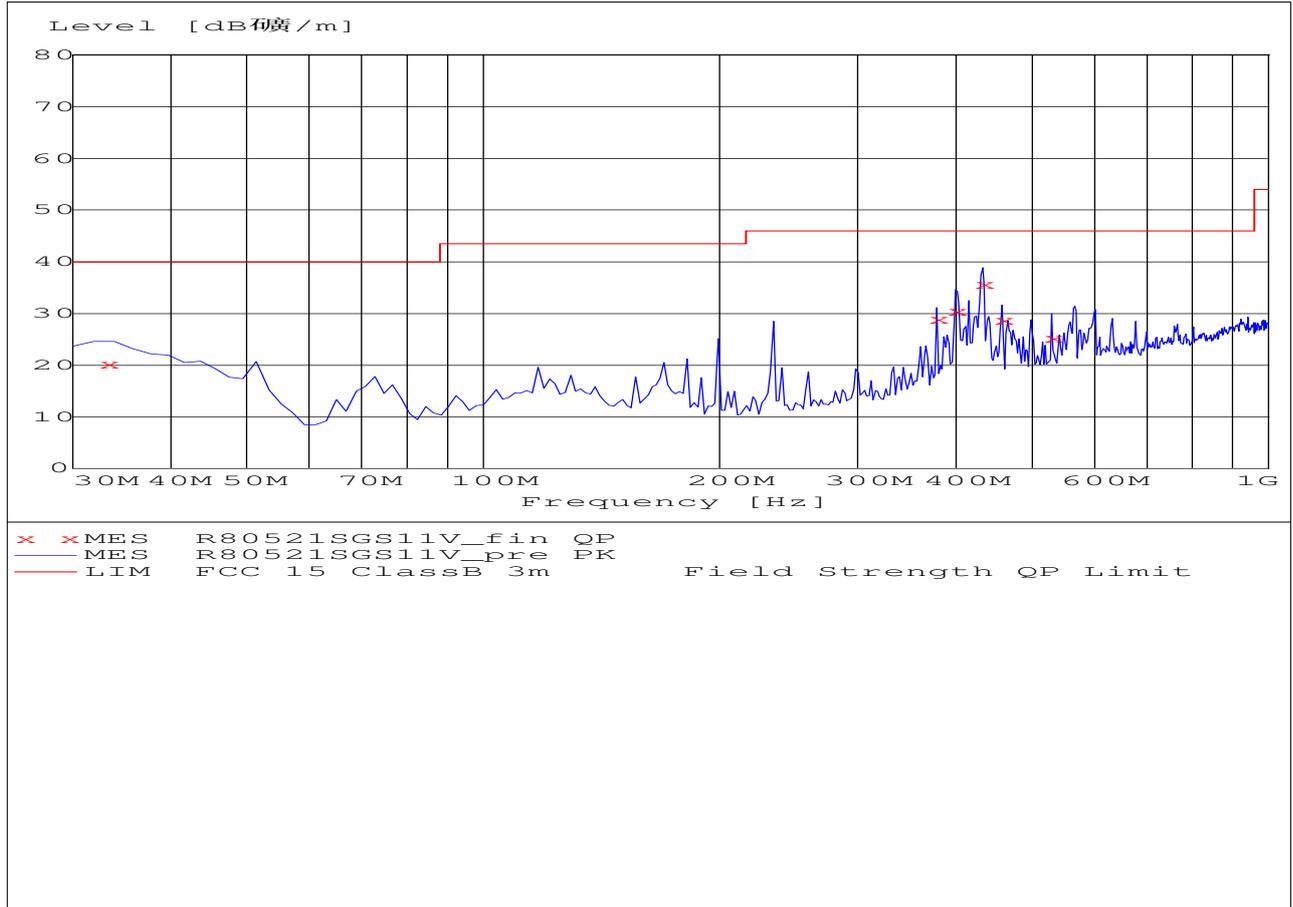
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Vertical:



Frequency MHz	Level dB μ V/m	Height cm	Azimuth deg	Polarisation	Limit dB μ V/m	Margin dB
33.201979	20.20	100.0	270.00	VERTICAL	40.00	19.80
377.995992	28.89	100.0	90.00	VERTICAL	46.02	17.13
399.338677	30.42	120.0	90.00	VERTICAL	46.02	15.60
432.268537	35.62	100.0	90.00	VERTICAL	46.02	10.40
457.655311	28.59	200.0	90.00	VERTICAL	46.02	17.43
529.579158	25.05	300.0	0.00	VERTICAL	46.02	20.97

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7 EQUIPMENT UNDER TEST PICTURES

7.1.1 Radiated Emission Test Setup



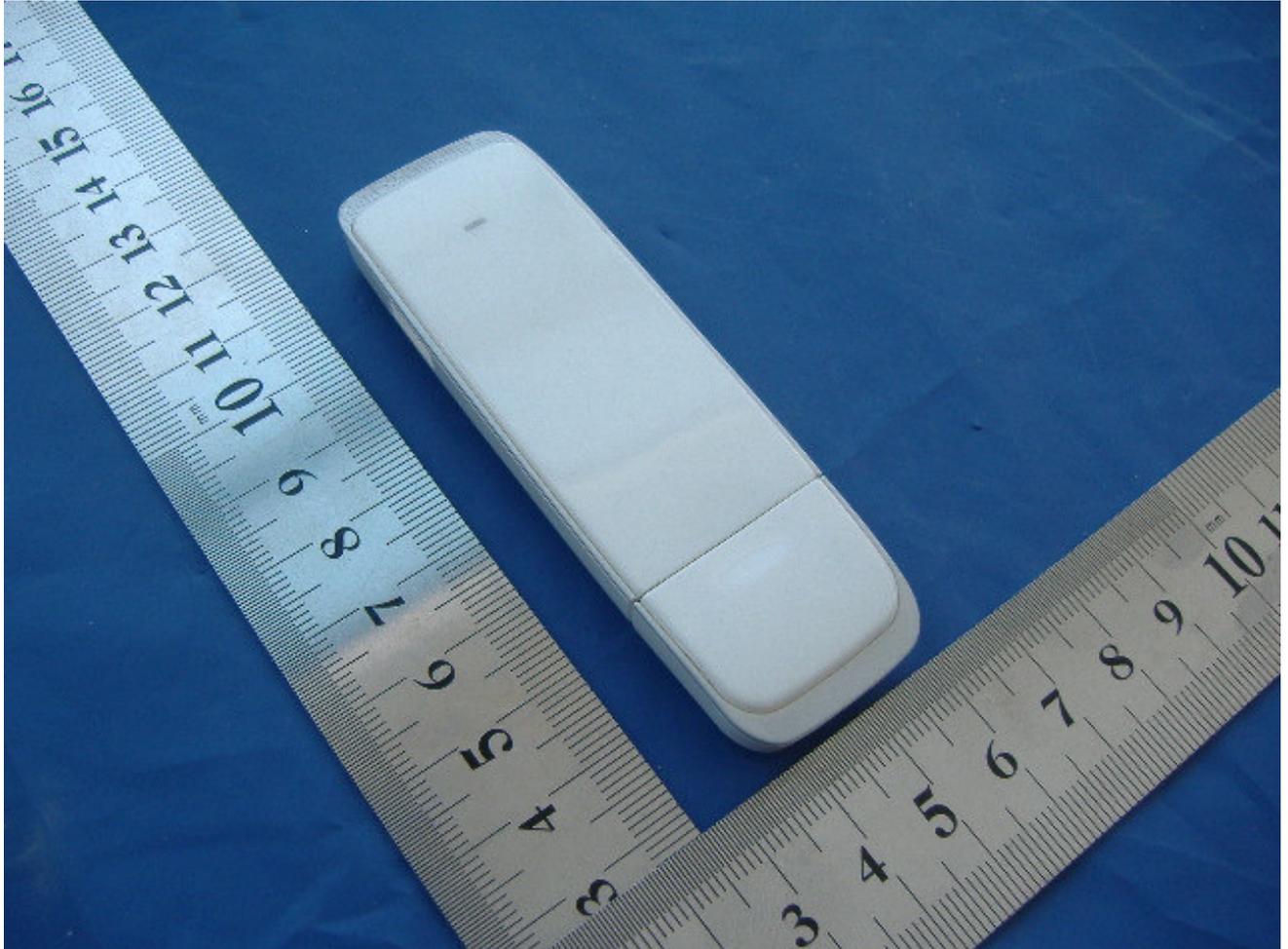
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7.1.2 EUT Constructional Details

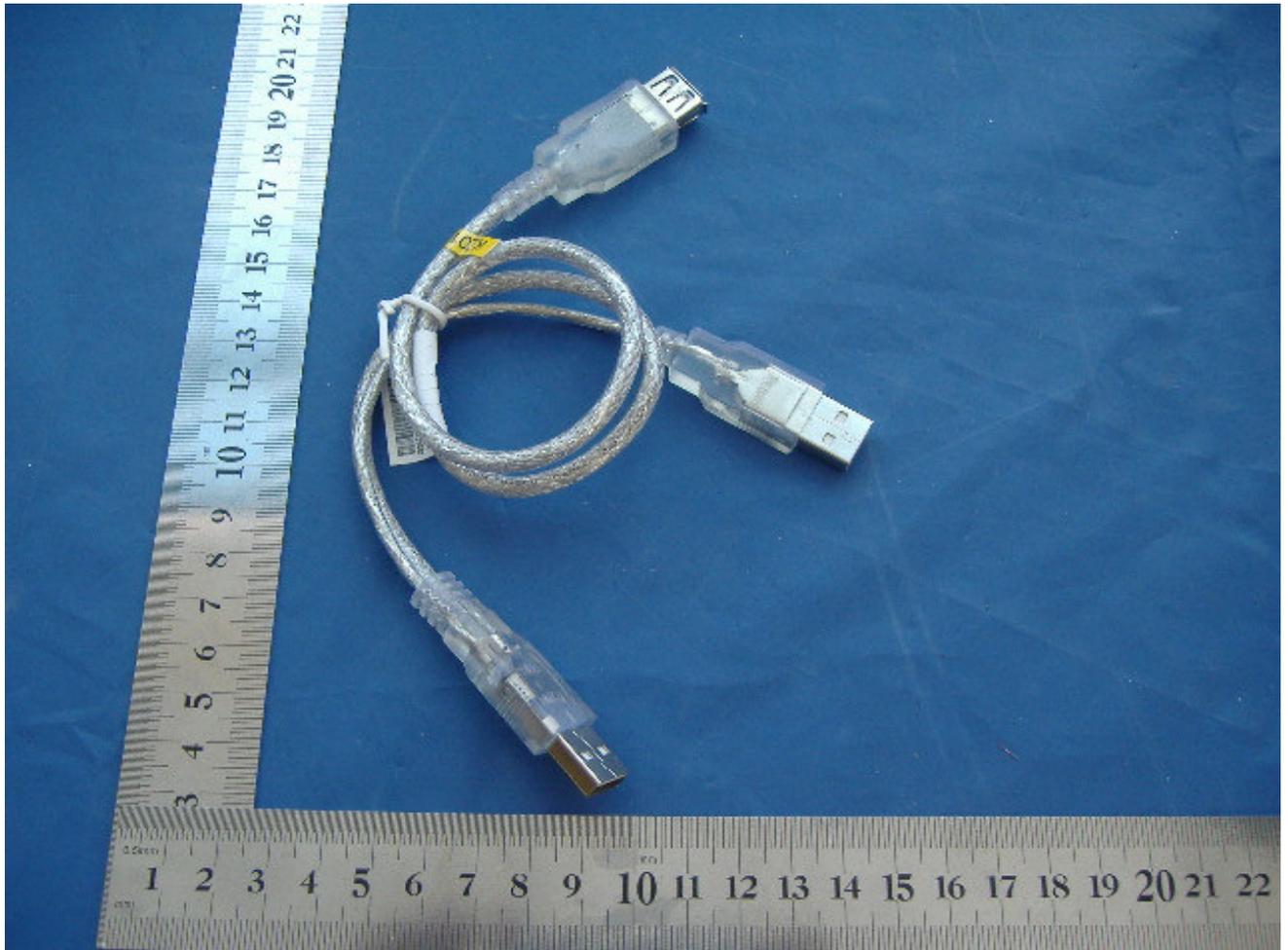


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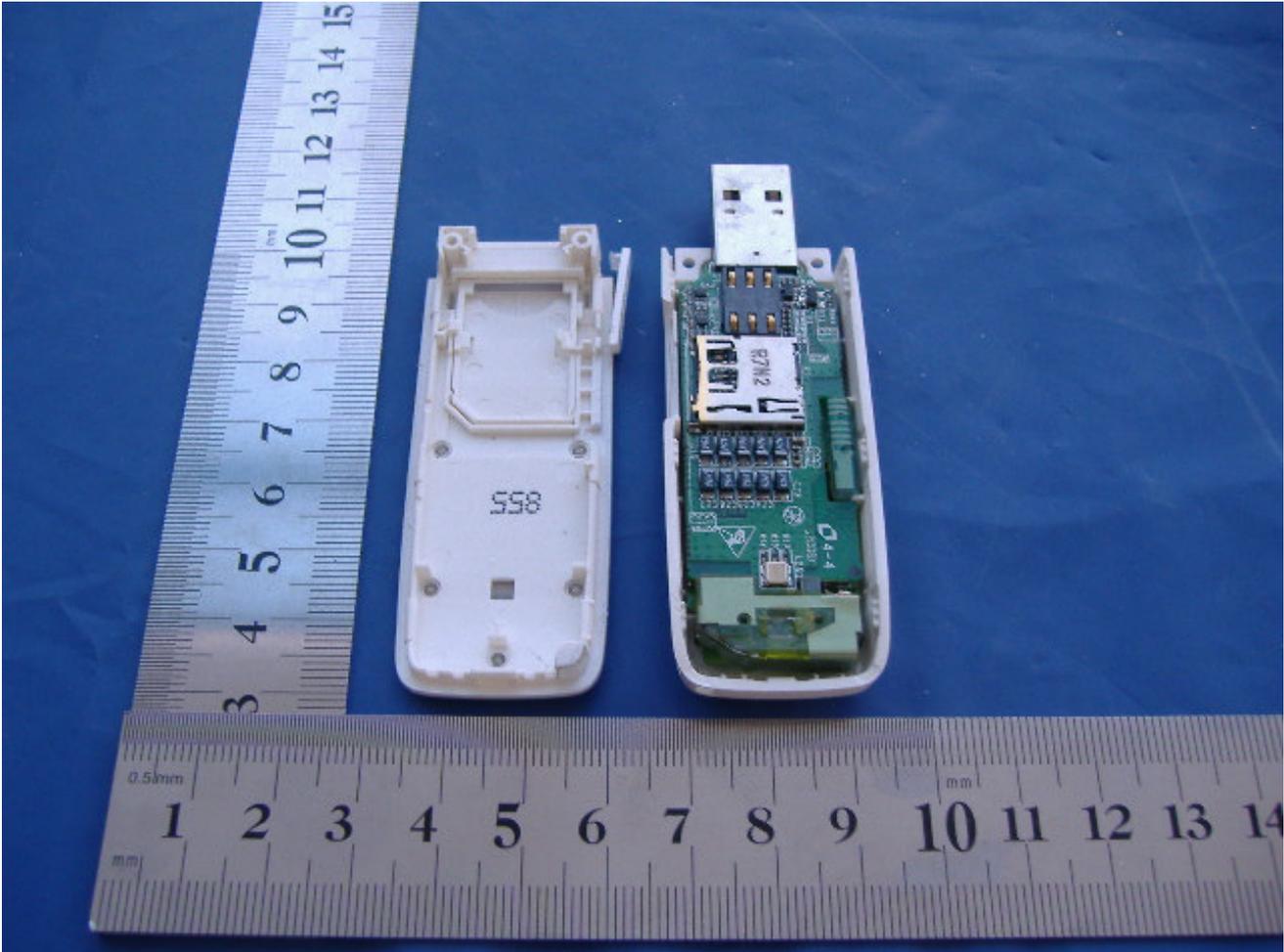


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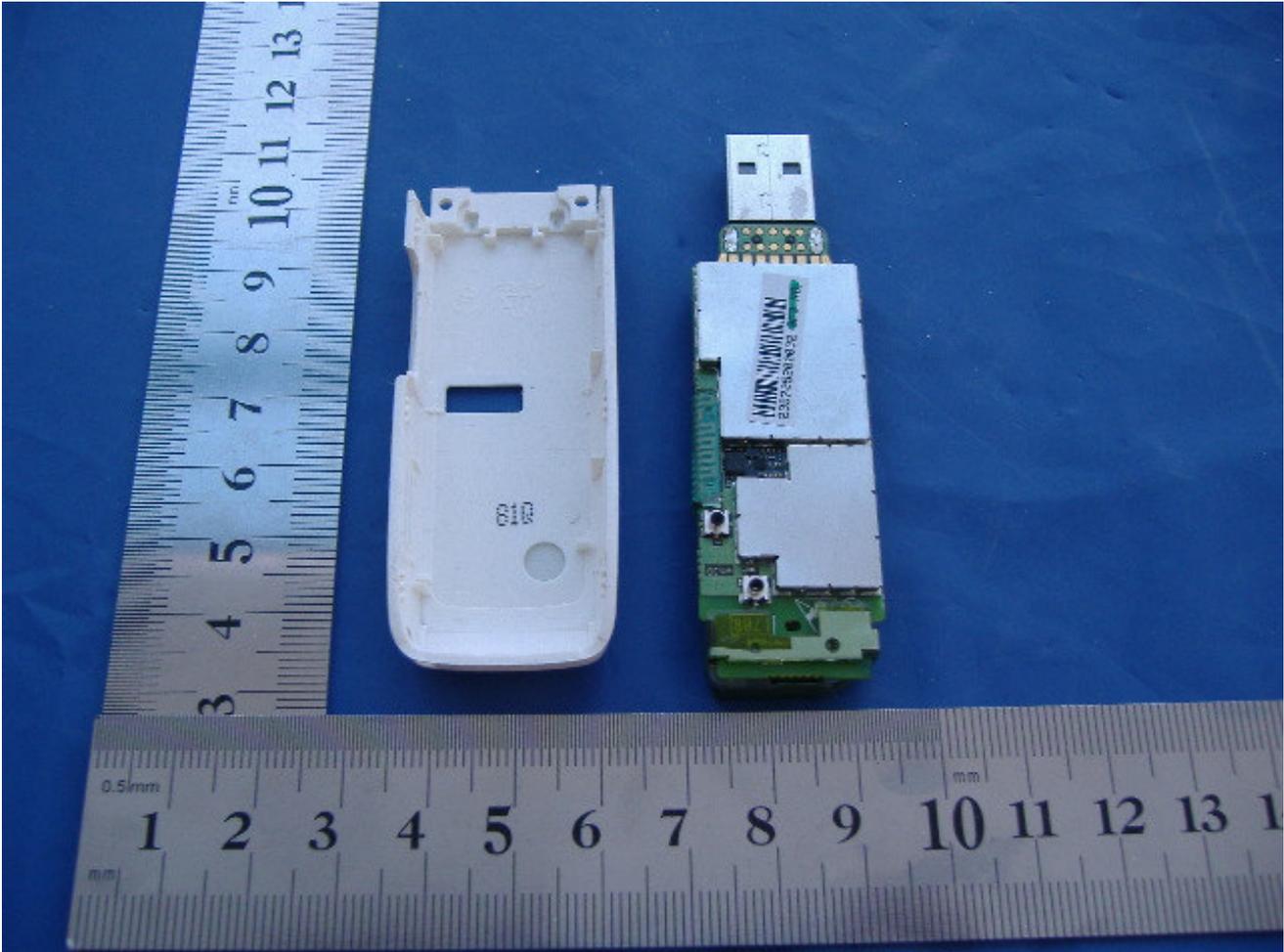


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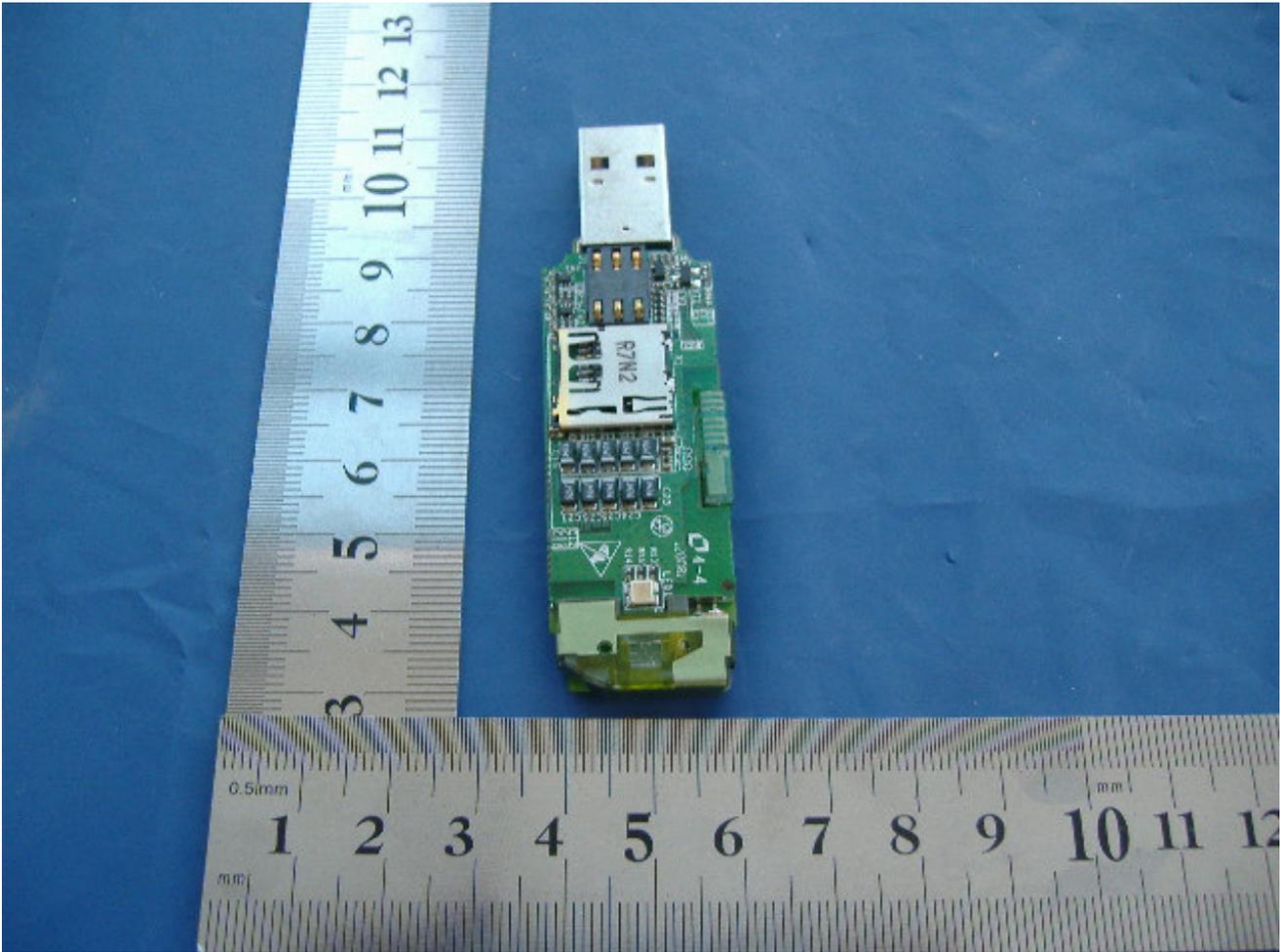


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