



TEST REPORT

Report No.: SRTC2014-H024-E0049

Product Name: GSM/GPRS/EDGE/UMTS

Digital Mobile Phone with Bluetooth and WiFi

Marketing Name: ONE TOUCH 7040E

Product Model: Yaris-5

Applicant: TCT Mobile Limited

Manufacturer: TCT Mobile Limited

Specification: FCC Part15B (Certification)

(October 1, 2009 edition)

FCC ID: RAD520

The State Radio_monitoring_center Testing Center (SRTC)

No.80 Beilishi Road Xicheng District Beijing, China

Tel: 86-10-68009202 Fax: 86-10-68009205

CONTENTS

1. General information	3
1.1 Notes of the test report	3
1.2 Information about the testing laboratory	3
1.3 Applicant's details	3
1.4 Manufacturer's details	3
1.5 Application details	4
1.6 Reference specification	4
1.7 Information of EUT	4
1.7.1 General information	4
1.7.2 EUT details	5
1.7.3 Auxiliary equipment details	5
2. Test information	8
2.1 Summary of the test results	8
2.2 Test result	9
2.2.1 Conducted Emissions-FCC Part15.107	9
2.2.2 Radiated Emissions-FCC Part15.109	18
2.3. List of test equipments	29
Appendix	30

1. General information

1.1 Notes of the test report

The test report may only be reproduced or published in full. Reproduction or publication of extracts from the report requires the prior written permission of The State Radio_monitoring_center Testing Center (SRTC).

The test results relate only to individual items of the samples which have been tested.

1.2 Information about the testing laboratory

Company: The State Radio_monitoring_center Testing Center (SRTC)
Address: No.80 Beilishi Road, Xicheng District, Beijing China
City: Beijing
Country or Region: China
Contacted person: Wang Junfeng
Tel: +86 10 68009181 +86 10 68009202
Fax: +86 10 68009195 +86 10 68009205
Email: wangjf@srrc.org.cn / wangjunfeng@srtc.org.cn

1.3 Applicant's details

Company: TCT Mobile Limited
Address: 5F, C building, No. 232, Liang Jing Road ZhangJiang
High-Tech Park, Pudong Area
City: Shanghai
Country or Region: P.R.China
Grantee Code: RAD
Contacted person: Gong Zhizhou
Tel: +86-21-61460890
Fax: +86-21-61460602
Email: zhizhou.gong@tcl.com

1.4 Manufacturer's details

Company: TCT Mobile Limited
Address: 5F, C building, No. 232, Liang Jing Road ZhangJiang
High-Tech Park, Pudong Area
City: Shanghai
Country or Region: P.R.China
Contacted person: Gong Zhizhou
Tel: +86-21-61460890
Fax: +86-21-61460602
Email: zhizhou.gong@tcl.com

1.5 Application details

Date of reception of test sample: 8th July 2014

Date of test: 8th July 2014 to 21st July 2014

1.6 Reference specification

FCC Part 15B October 1, 2009 (Certification)

1.7 Information of EUT

1.7.1 General information

Name of EUT	GSM/GPRS/EDGE/UMTS Digital Mobile Phone with Bluetooth and WiFi
FCC ID	RAD520
Frequency Range	GSM850/WCDMA Band V: Tx:824~849MHz Rx:869~894MHz PCS1900/WCDMA Band II: Tx:1850~1910MHz Rx:1930~1990MHz
Rated Output Power	GSM850:33.0dBm PCS1900:30.0dBm WCDMA:24.0dBm
E.R.P. & E.I.R.P.	E.R.P.:32.98dBm E.I.R.P.:30.50dBm
Modulation Type	GSM/GPRS:GMSK EDGE: GMSK(Uplink direction) 8PSK(Downlink direction) WCDMA:QPSK
Emission Designator	GSM/GPRS/EDGE:300KGXW WCDMA:4M50F9W
Duplex Mode	FDD
Equipment Class	Class B
Duplex Spacing	GSM850/WCDMA Band V:45MHz PCS1900/WCDMA Band II:80MHz
Antenna Type	Fixed Internal
Power Supply	Battery or Charger
Rated Power Supply Voltage	3.8V
Extreme Temperature	Lowest: -30°C Highest: +50°C
Extreme Voltage	Minimum: 3.5V Maximum: 4.35V
HW Version	BAB33A000EC1
SW Version	AQU

1.7.2 EUT details

Product Name	Marketing Name	Product Model	IMEI
GSM/GPRS/EDGE/UMTS Digital Mobile Phone with Bluetooth and WiFi	ONE TOUCH 7040E	Yaris-5	863603020000078

1.7.3 Auxiliary equipment details

AE (Auxiliary Equipment) 1#: Charger

Equipment	Charger
Manufacturer	Ten Pao Industrial Co., Ltd.
Model Number	S005UU0500100
Input Voltage	100V-240V a.c.
Output Voltage	5.0V d.c.
Frequency	50/60Hz

AE (Auxiliary Equipment) 2#: Charger

Equipment	Charger
Manufacturer	HUIZHOU BYD ELECTRONIC CO., LTD.
Model Number	TUUS050100-A00
Input Voltage	100V-240V a.c.
Output Voltage	5.0V d.c.
Frequency	50/60Hz

AE (Auxiliary Equipment) 3#: Battery

Equipment	Battery
Manufacturer	BYD COMPANY LIMITED
Model Number	TLi020F1
Capacity	2000mAh
Rated Voltage	4.35V d.c.

AE (Auxiliary Equipment) 4#: Battery

Equipment	Battery
Manufacturer	BYD COMPANY LIMITED
Model Number	TLi019B1
Capacity	1900mAh
Rated Voltage	4.35V d.c.

AE (Auxiliary Equipment) 5#: Battery

Equipment	Battery
Manufacturer	SCUD (FUJIAN) Electronics Co., Ltd.
Model Number	TLi019B2
Capacity	1900mAh
Rated Voltage	4.35V d.c.

AE (Auxiliary Equipment) 6#: Headset

Equipment	Headset
Manufacturer	Shenzhen Juwei Electronics Co., Ltd
Model Number	CCB3160A11C1

AE (Auxiliary Equipment) 7#: Headset

Equipment	Headset
Manufacturer	Dongguan Superfine Electronic Co., Ltd
Model Number	CCB3160A11C4

AE (Auxiliary Equipment) 8#: Headset

Equipment	Headset
Manufacturer	Shenzhen Juwei Electronics Co., Ltd
Model Number	CCB3160A15C1

AE (Auxiliary Equipment) 9#: Headset

Equipment	Headset
Manufacturer	Dongguan Superfine Electronic Co., Ltd
Model Number	CCB3160A15C4

AE (Auxiliary Equipment) 10#: Data Cable

Equipment	Data Cable
Manufacturer	Shenzhen Juwei Electronics Co., Ltd
Model Number	CDA3122002C1

AE (Auxiliary Equipment) 11#: Data Cable

Equipment	Data Cable
Manufacturer	Huizhou Shenghua Industry Co., Ltd.
Model Number	CDA3122002C2

AE (Auxiliary Equipment) 12#: Data Cable

Equipment	Data Cable
Manufacturer	Shenzhen Juwei Electronics Co., Ltd
Model Number	CDA3122005C1

AE (Auxiliary Equipment) 13#: Data Cable

Equipment	Data Cable
Manufacturer	Huizhou Shenghua Industry Co., Ltd.
Model Number	CDA3122005C2

Note:

All the auxiliary equipments have been labeled with number in order to identify the test sample.


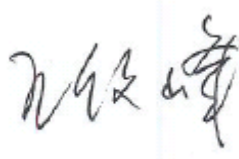

As the information described above, there are two different models of charger manufactured by two different companies, three different models of battery manufactured by two different companies, four different models of headset manufactured by two different companies and four different models of data cable manufactured by two different companies.

The relevant tests have been performed in order to verify in which combination case (EUT exercised by only one model of charger, one model of battery, one model of headset and one model of data cable) the EUT would have the worst features. So all the tests shown in this test report are performed when the EUT exercised by the charger S005UU0500100, the battery TLi020F1, the headset CCB3160A11C1 and the data cable CDA3122002C1.

2. Test information

2.1 Summary of the test results

No.	Test case	FCC reference	Verdict
1	Conducted emissions	15.107	Pass
2	Radiated emissions	15.109	Pass

This Test Report Is Issued by: Mr. Song Qizhu Director of the test lab 	Checked by: Mr. Wang Junfeng Deputy director of the test lab 
Tested by: Mr. Gong Jian Test engineer 	Issued date: <p style="text-align: center;">2014.07.21</p>

2.2 Test result

2.2.1 Conducted Emissions-FCC Part15.107

Ambient condition:

Temperature	Relative humidity	Pressure
21.2°C	43.5%	100.9kPa

Test Setup:

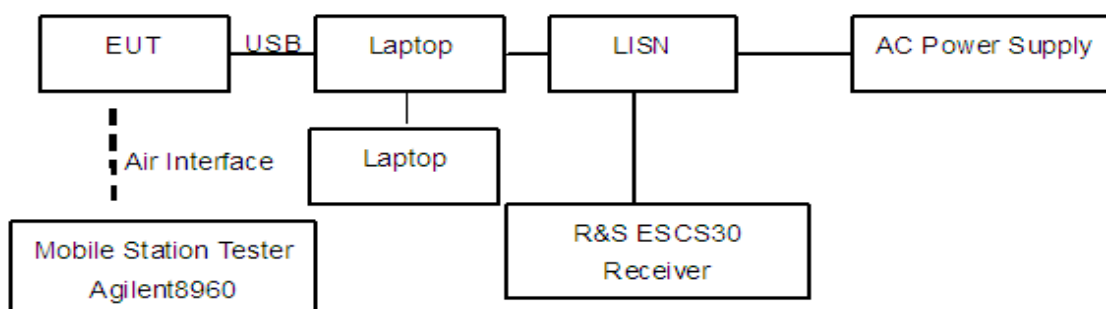


Figure 1

Test Procedure:

The EUT is placed on a non-metallic table 0.4m above the horizontal metal reference ground plane. The EUT connect with a laptop via the USB cable. The accessories of the EUT are connected with the EUT such as headset etc. During the test the data transferring via USB cable between EUT and laptop is maintained. The laptop's LAN port is connected with another laptop via cable. And the data transferring between two laptops is maintained.

The AC main power supply of the laptop is connected to LISN and LISN is connected to the reference ground. The test set-up and the test methods are performed according to ANSI C63.4:2009.

Then start the test software ES-K1. Sweep the whole frequency band through the range from 150 KHz to 30 MHz. The measurement should be done for both L line and N line. During pre-test, the receiver uses both peak detector and average detector. And the final test, the receiver uses both average detector and Quasi-peak detector.

The data of cable loss has been calibrated in full testing frequency range before the testing.

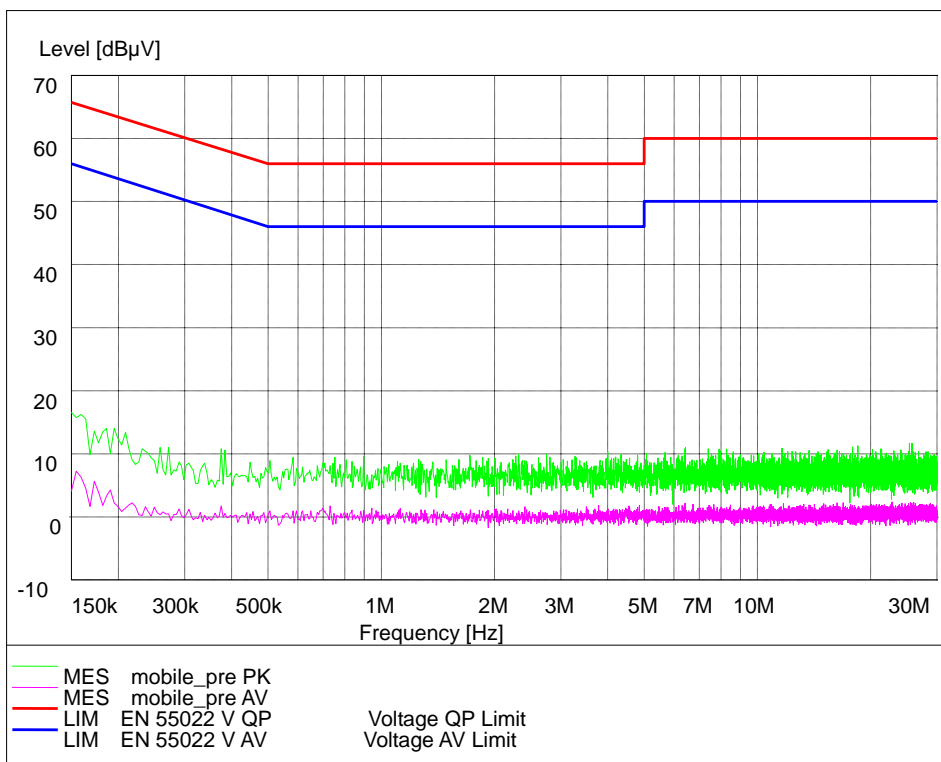
Limit:

Frequency of Emission(MHz)	Limits(dBμV)	
	Quasi-peak	Average
0.15~0.5	66 to 56*	56 to 46*
0.5~5	56	46
5~30	60	50

Note: * Decreases with the logarithm of the frequency

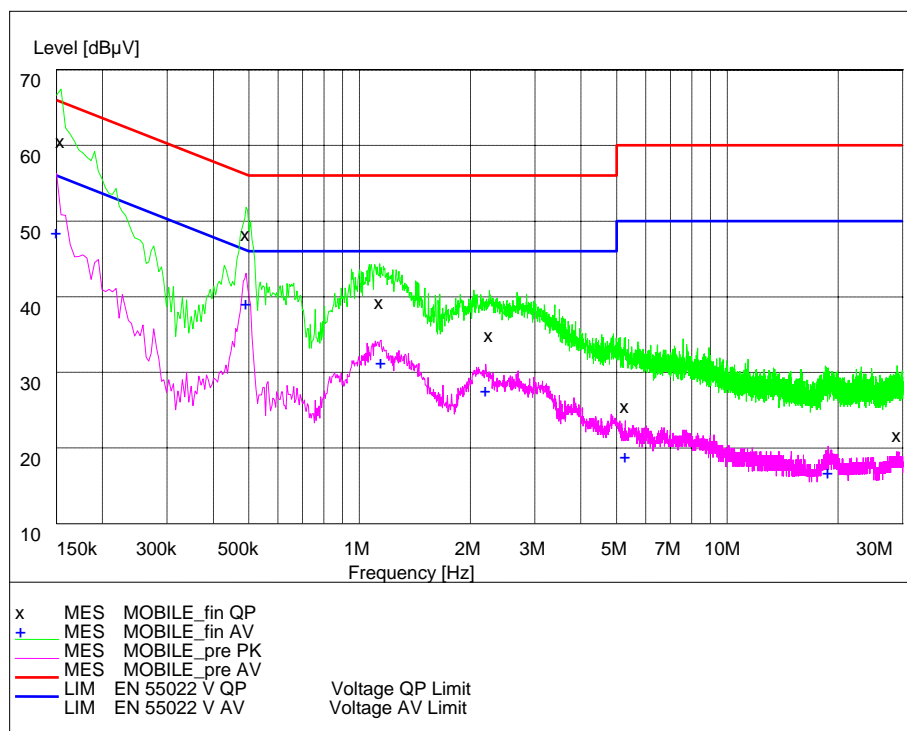
Test result:

Noise Level of The Measuring Instrument



L and N Line

GSM850 Laptop+ AE3#+AE6#+AE10#



L and N Line

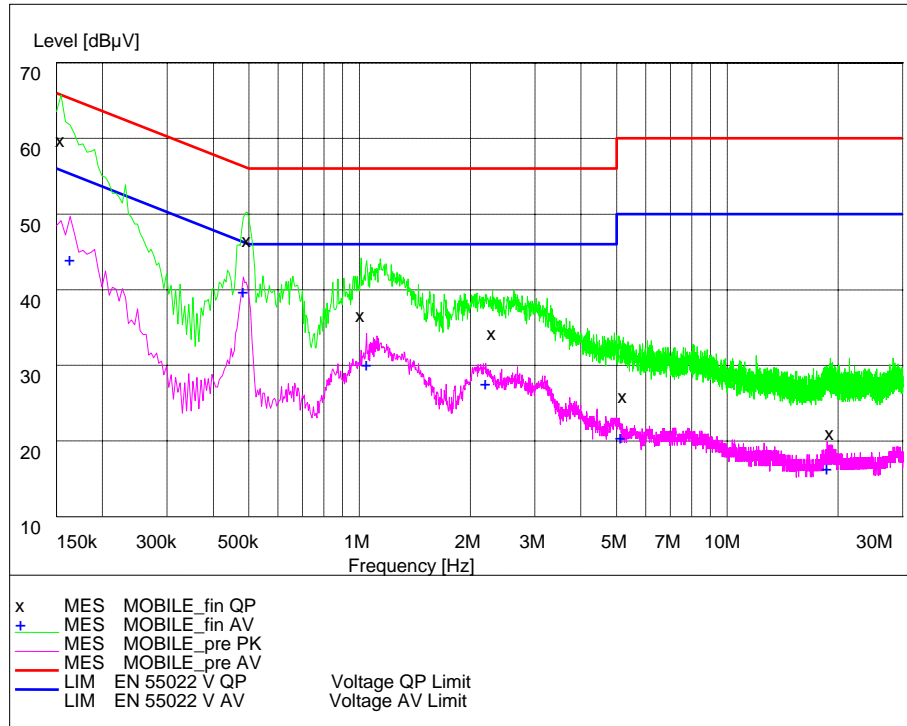
MEASUREMENT RESULT: "MOBILE_fin QP"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.154500	62.00	20.1	66	3.7	L1	---
0.492000	49.70	20.4	56	6.5	L1	---
1.135500	40.70	20.2	56	15.3	N	---
2.256000	36.30	20.4	56	19.7	L1	---
5.280000	27.00	20.5	60	33.0	N	---
28.968000	23.10	21.5	60	36.9	L1	---

MEASUREMENT RESULT: "MOBILE_fin AV"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.150000	50.00	20.1	56	6.0	L1	---
0.492000	40.60	20.4	46	5.5	L1	---
1.144500	32.80	20.2	46	13.2	N	---
2.206500	29.10	20.4	46	16.9	L1	---
5.284500	20.40	20.5	50	29.6	N	---
18.802500	18.20	21.2	50	31.8	N	---

PCS1900 Laptop+ AE3#+AE6#+AE10#



L and N Line

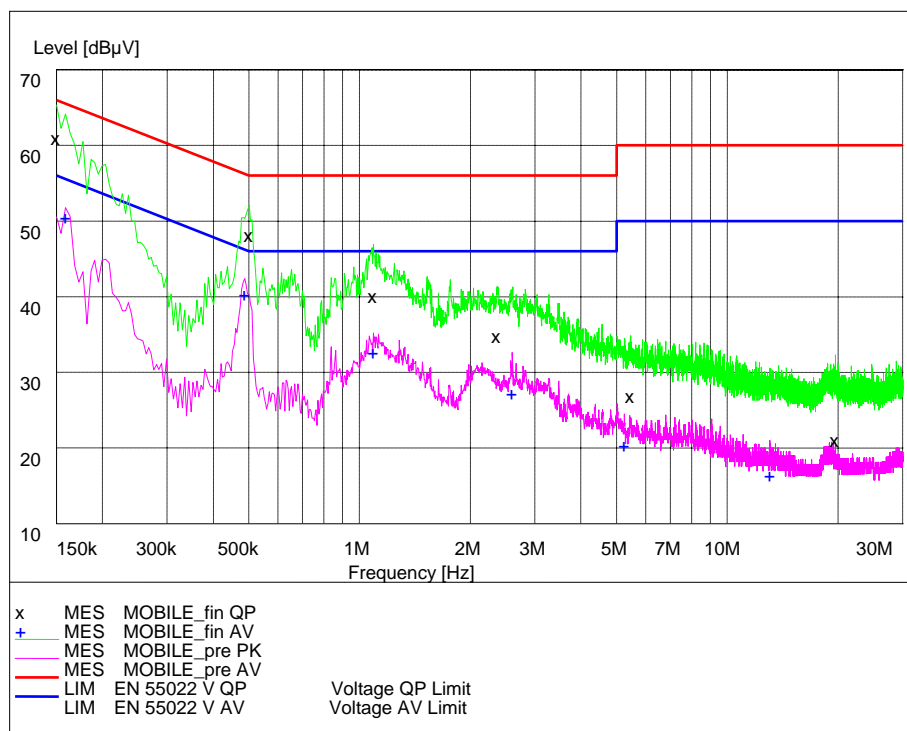
MEASUREMENT RESULT: "MOBILE_fin QP"

Frequency	Level	Transd	Limit	Margin	Line	PE
MHz	dBµV	dB	dBµV	dB		
0.154500	61.20	20.1	66	4.5	N	---
0.496500	48.00	20.4	56	8.1	L1	---
1.009500	38.10	20.2	56	17.9	L1	---
2.301000	35.70	20.4	56	20.3	N	---
5.230500	27.40	20.5	60	32.6	L1	---
19.068000	22.50	21.2	60	37.5	N	---

MEASUREMENT RESULT: "MOBILE_fin AV"

Frequency	Level	Transd	Limit	Margin	Line	PE
MHz	dBµV	dB	dBµV	dB		
0.163500	45.40	20.2	55	9.9	L1	---
0.483000	41.30	20.3	46	5.0	L1	---
1.045500	31.70	20.2	46	14.3	L1	---
2.206500	29.00	20.4	46	17.0	L1	---
5.136000	21.90	20.5	50	28.1	L1	---
18.708000	17.80	21.1	50	32.2	N	---

WCDMA BAND II Laptop+ AE3#+AE6#+AE10#



L and N Line

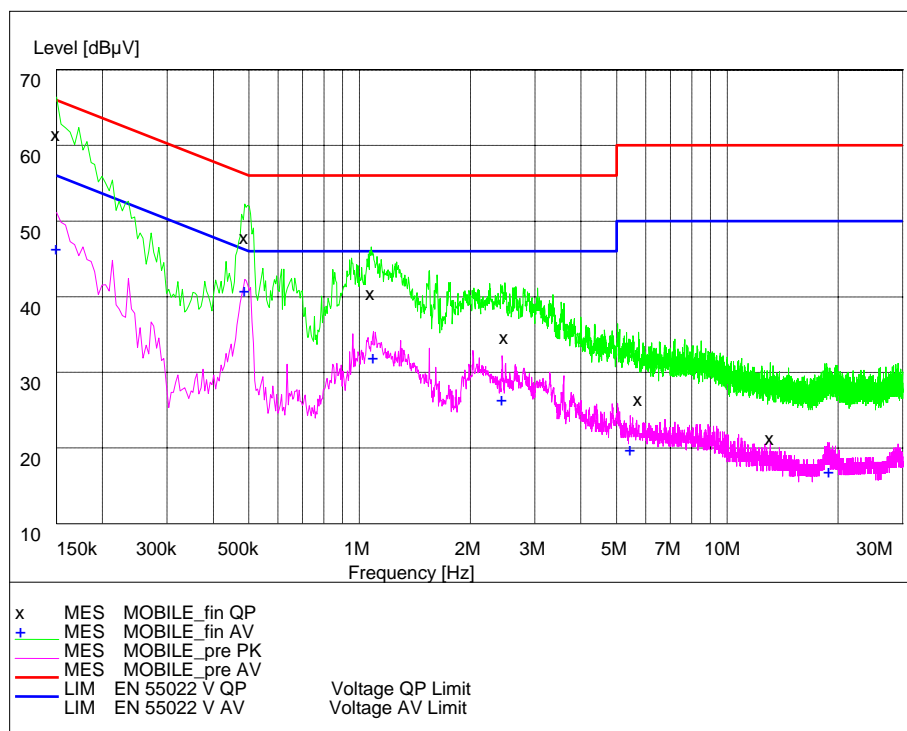
MEASUREMENT RESULT: "MOBILE_fin QP"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.150000	62.40	20.1	66	3.6	N	---
0.501000	49.60	20.4	56	6.4	N	---
1.090500	41.50	20.3	56	14.5	L1	---
2.364000	36.20	20.4	56	19.8	L1	---
5.460000	28.30	20.6	60	31.7	L1	---
19.707000	22.50	21.2	60	37.5	L1	---

MEASUREMENT RESULT: "MOBILE_fin AV"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.159000	51.90	20.2	56	3.6	N	---
0.487500	41.80	20.4	46	4.4	L1	---
1.090500	34.10	20.3	46	11.9	L1	---
2.602500	28.70	20.3	46	17.3	L1	---
5.253000	21.80	20.5	50	28.2	L1	---
13.078500	17.90	21.0	50	32.1	L1	---

WCDMA BAND V Laptop+ AE3#+AE6#+AE10#



L and N Line

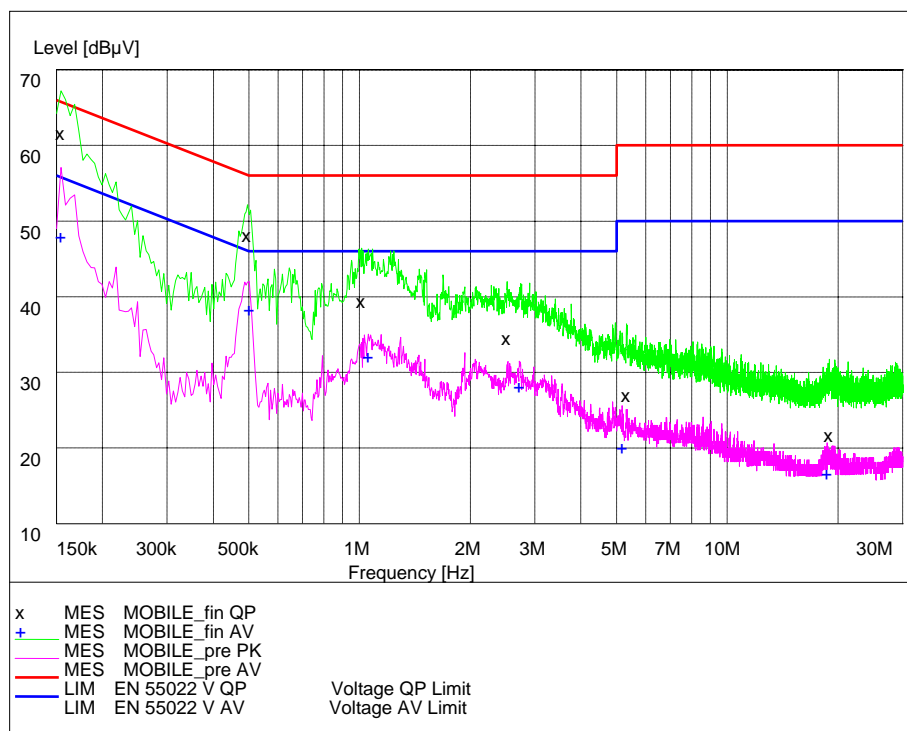
MEASUREMENT RESULT: "MOBILE_fin QP"

Frequency	Level	Transd	Limit	Margin	Line	PE
MHz	dBμV	dB	dBμV	dB		
0.150000	62.90	20.1	66	3.1	N	---
0.487500	49.30	20.4	56	7.0	L1	---
1.077000	41.90	20.3	56	14.1	N	---
2.485500	36.10	20.4	56	19.9	N	---
5.743500	27.90	20.6	60	32.1	L1	---
13.101000	22.70	21.0	60	37.3	L1	---

MEASUREMENT RESULT: "MOBILE_fin AV"

Frequency	Level	Transd	Limit	Margin	Line	PE
MHz	dBμV	dB	dBμV	dB		
0.150000	47.80	20.1	56	8.2	N	---
0.487500	42.30	20.4	46	3.9	L1	---
1.090500	33.50	20.3	46	12.5	N	---
2.445000	27.90	20.3	46	18.1	L1	---
5.455500	21.30	20.6	50	28.7	N	---
18.910500	18.40	21.2	50	31.6	L1	---

FM Radio Laptop+ AE3#+AE6#+AE10#



L and N Line

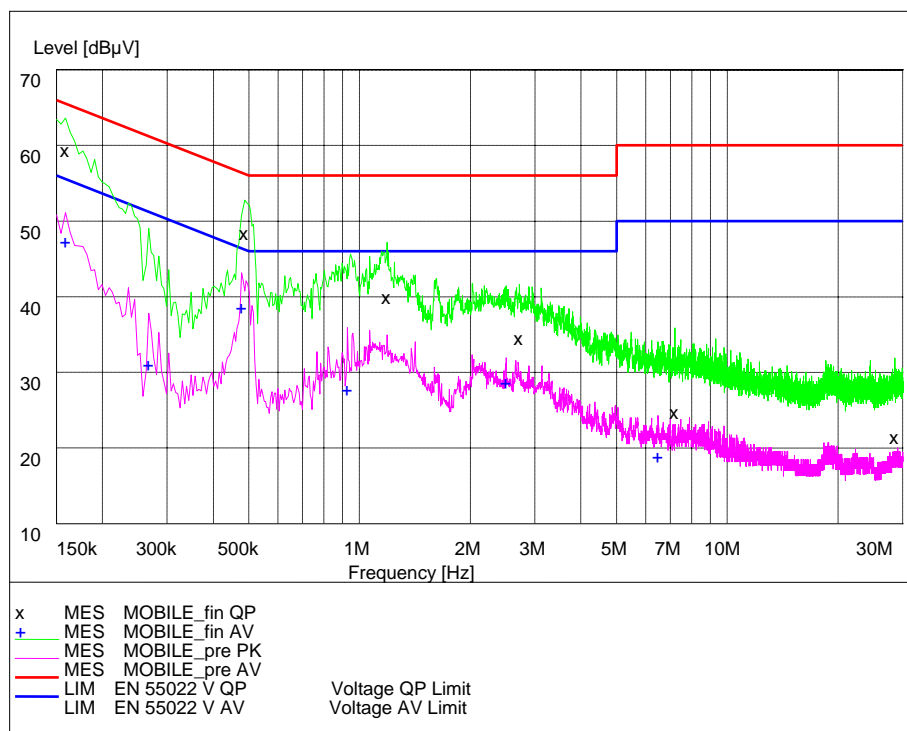
MEASUREMENT RESULT: "MOBILE_fin QP"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.154500	63.10	20.1	66	2.6	L1	---
0.496500	49.60	20.4	56	6.5	L1	---
1.014000	40.90	20.2	56	15.1	L1	---
2.517000	36.00	20.3	56	20.0	L1	---
5.325000	28.40	20.5	60	31.6	N	---
18.946500	23.20	21.2	60	36.8	N	---

MEASUREMENT RESULT: "MOBILE_fin AV"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.154500	49.40	20.1	56	6.4	L1	---
0.501000	39.80	20.4	46	6.2	L1	---
1.059000	33.60	20.3	46	12.4	N	---
2.724000	29.60	20.4	46	16.4	L1	---
5.185500	21.60	20.5	50	28.4	L1	---
18.703500	18.10	21.1	50	31.9	L1	---

MP3/MP4 Laptop+ AE3#+AE6#+AE10#



L and N Line

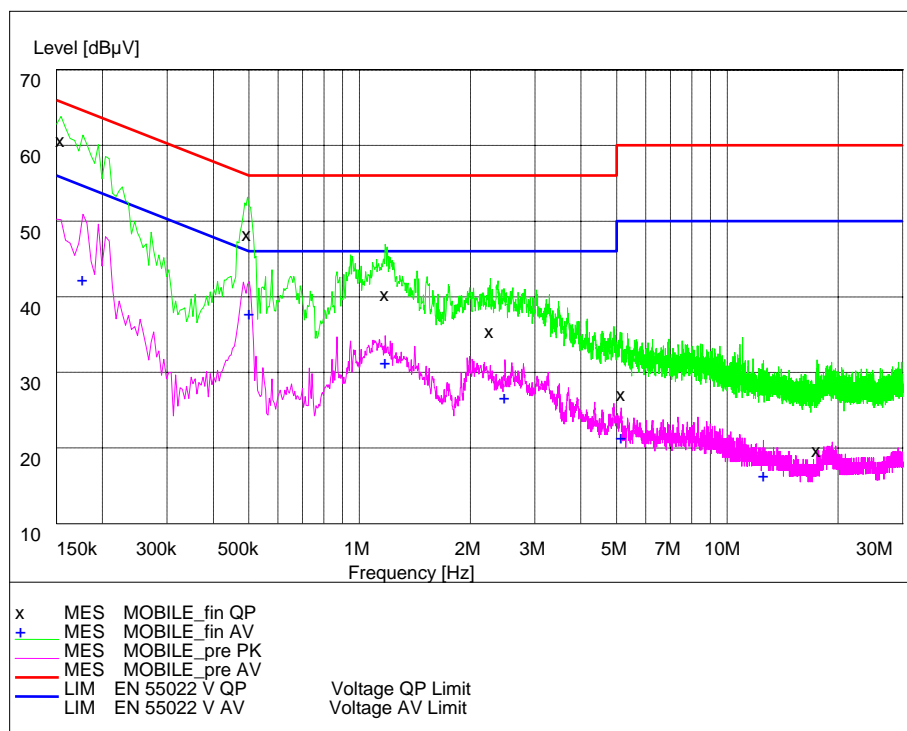
MEASUREMENT RESULT: "MOBILE_fin QP"

Frequency	Level	Transd	Limit	Margin	Line	PE
MHz	dBμV	dB	dBμV	dB		
0.159000	60.80	20.2	66	4.8	L1	---
0.487500	49.90	20.4	56	6.3	L1	---
1.189500	41.40	20.2	56	14.6	N	---
2.724000	36.00	20.4	56	20.0	N	---
7.210500	26.20	20.7	60	33.8	L1	---
28.612500	22.80	21.5	60	37.2	N	---

MEASUREMENT RESULT: "MOBILE_fin AV"

Frequency	Level	Transd	Limit	Margin	Line	PE
MHz	dBμV	dB	dBμV	dB		
0.159000	48.80	20.2	56	6.7	L1	---
0.267000	32.50	20.2	51	18.7	N	---
0.478500	40.10	20.3	46	6.2	N	---
0.928500	29.20	20.3	46	16.8	L1	---
2.508000	30.10	20.3	46	15.9	N	---
6.490500	20.40	20.6	50	29.6	N	---

Camera Laptop+ AE3#+AE6#+AE10#



L and N Line

MEASUREMENT RESULT: "MOBILE_fin QP"

Frequency	Level	Transd	Limit	Margin	Line	PE
MHz	dBμV	dB	dBμV	dB		
0.154500	62.10	20.1	66	3.6	L1	---
0.496500	49.70	20.4	56	6.3	N	---
1.176000	41.80	20.2	56	14.2	N	---
2.269500	36.80	20.4	56	19.2	N	---
5.163000	28.60	20.5	60	31.4	L1	---
17.569500	21.10	21.1	60	38.9	N	---

MEASUREMENT RESULT: "MOBILE_fin AV"

Frequency	Level	Transd	Limit	Margin	Line	PE
MHz	dBμV	dB	dBμV	dB		
0.177000	43.80	20.2	55	10.9	L1	---
0.501000	39.30	20.4	46	6.7	L1	---
1.176000	32.80	20.2	46	13.2	L1	---
2.485500	28.10	20.4	46	17.9	N	---
5.154000	22.90	20.5	50	27.1	L1	---
12.543000	17.80	21.0	50	32.2	N	---

2.2.2 Radiated Emissions-FCC Part15.109

Ambient condition:

Temperature	Relative humidity	Pressure
21.2°C	43.5%	100.9kPa

Test Setup:

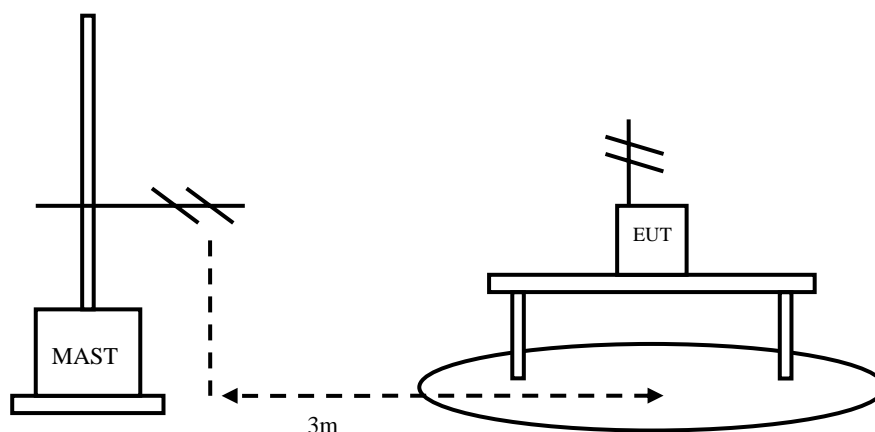


Figure 2

Test Procedure:

The EUT should be placed on a non-metallic table 80cm above the ground plane. The receive antennas shall be moved from 1 to 4 meters. The distance between EUT and receive antenna should be 3 meters.

The EUT should work in idle mode. The accessories of the EUT are connected with the EUT such as headset etc. The test set-up and the test methods are performed according to ANSI C63.4:2009.

Then start the test software ES-K1. Sweep the whole frequency band through the range from 30MHz to 1GHz, using receive log period antenna HL562.

During the test, the height of receive antenna shall be moved from 1 to 4 meters, and the antenna shall be performed under horizontal and vertical polarization. The turn table shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. The measurements shall be repeated with orthogonal polarization of the test antenna. The EUT is laid in two modes as follow:
1. put the EUT in horizontal direction; 2. put the EUT in vertical direction.

The data of cable loss and antenna factor have been calibrated in full testing frequency range before the testing.

A “reference path loss” is established and the A_{Rpl} is the attenuation of “reference path loss”, and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

The measurement results are obtained as described below:

$$\text{Result} = P_{\text{mea}} + A_{Rpl}$$

Limit:

Frequency of Emission(MHz)	Limits	
	Detector	Unit (dB μ V/m)
30~88	Quasi-peak	40
88~216	Quasi-peak	43.5
216~960	Quasi-peak	46
960~1000	Quasi-peak	54
1000~5th harmonic of the highest frequency or 40GHz, whichever is lower	Average	54
	Peak	74

Test result:

GSM850 Mode

Frequency(MHz)	Result(dBuV/m)	A_{Rpl} (dB)	P_{mea} (dBuV/m)	Polarity
43.186773	25.16	13.5	11.66	Vertical
72.084168	21.08	7.0	14.08	Horizontal
195.390782	20.14	7.8	12.34	Vertical
434.268537	22.75	15.9	6.85	Vertical
824.649299	23.41	23.0	0.41	Vertical
903.807615	25.30	24.0	1.30	Vertical

PCS1900 Mode

Frequency(MHz)	Result(dBuV/m)	A_{Rpl} (dB)	P_{mea} (dBuV/m)	Polarity
30.000000	31.39	15.2	16.19	Vertical
68.857715	24.80	6.6	18.20	Vertical
75.310621	24.29	7.2	17.09	Vertical
184.168337	27.83	7.9	19.93	Vertical
269.939880	33.76	10.9	22.86	Vertical
675.350701	35.47	20.5	14.97	Vertical

WCDMA BAND II Mode

Frequency(MHz)	Result(dBuV/m)	A _{Rpl} (dB)	P _{mea} (dBuV/m)	Polarity
30.000000	32.51	15.2	17.31	Vertical
68.857715	24.27	6.6	17.67	Vertical
137.675351	29.51	8.1	21.41	Horizontal
184.969940	27.47	7.9	19.57	Vertical
269.939880	34.35	10.9	23.45	Vertical
675.350701	35.16	20.5	14.66	Vertical

WCDMA BAND V Mode

Frequency(MHz)	Result(dBuV/m)	A _{Rpl} (dB)	P _{mea} (dBuV/m)	Polarity
46.973948	24.83	10.7	14.13	Vertical
92.284569	28.25	8.4	19.85	Vertical
184.168337	27.91	7.9	20.01	Vertical
269.939880	32.70	10.9	21.80	Vertical
625.250501	35.78	19.6	16.18	Vertical
942.885772	35.45	24.4	11.05	Vertical

FM Radio Mode

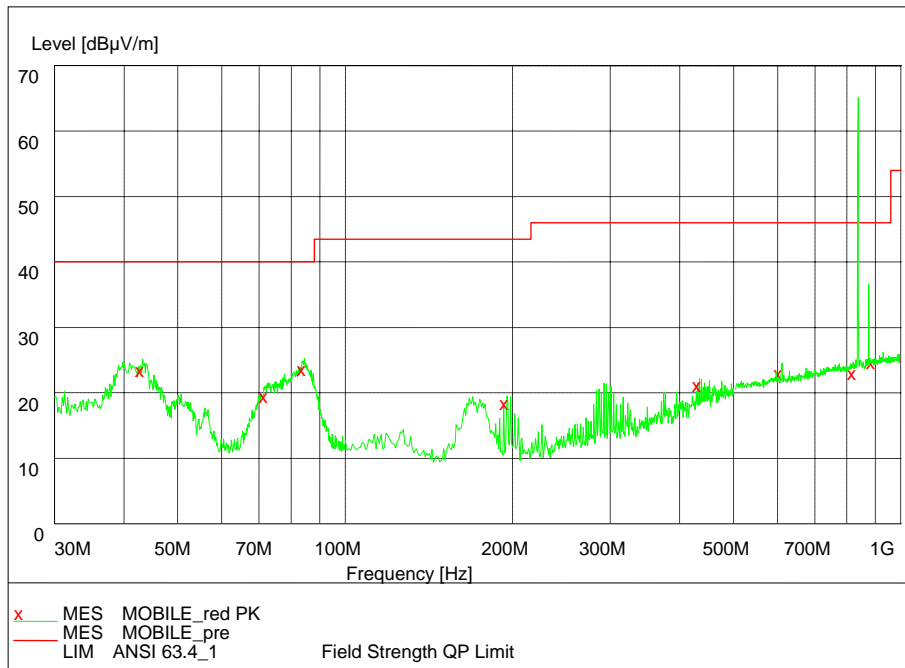
Frequency(MHz)	Result(dBuV/m)	A _{Rpl} (dB)	P _{mea} (dBuV/m)	Polarity
68.857715	23.88	6.6	17.28	Vertical
84.428858	24.21	8.0	16.21	Vertical
138.476954	29.92	8.1	21.82	Horizontal
269.939880	33.65	10.9	22.75	Vertical
625.250501	35.87	19.6	16.27	Vertical
675.350701	35.42	20.5	14.92	Vertical

MP3/MP4 Mode

Frequency(MHz)	Result(dBuV/m)	A _{Rpl} (dB)	P _{mea} (dBuV/m)	Polarity
30.000000	34.06	15.2	18.86	Vertical
75.450902	23.58	7.2	16.38	Vertical
137.675351	30.11	8.1	22.01	Vertical
184.168337	26.82	7.9	18.92	Vertical
269.939880	33.77	10.9	22.87	Vertical
675.350701	35.16	20.5	14.66	Vertical

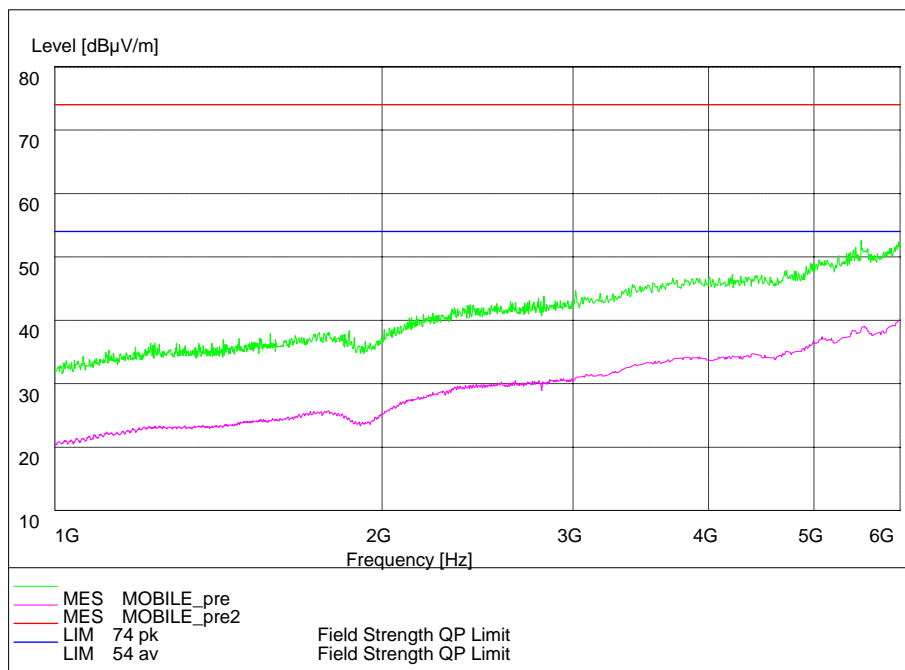
Camera Mode

Frequency(MHz)	Result(dBuV/m)	A _{Rpl} (dB)	P _{mea} (dBuV/m)	Polarity
30.000000	33.82	15.2	18.62	Vertical
46.833667	23.41	10.8	12.61	Vertical
76.853707	24.48	7.4	17.08	Vertical
137.675351	28.78	8.1	20.68	Horizontal
269.939880	33.60	10.9	22.70	Vertical
625.250501	35.74	19.6	16.14	Vertical

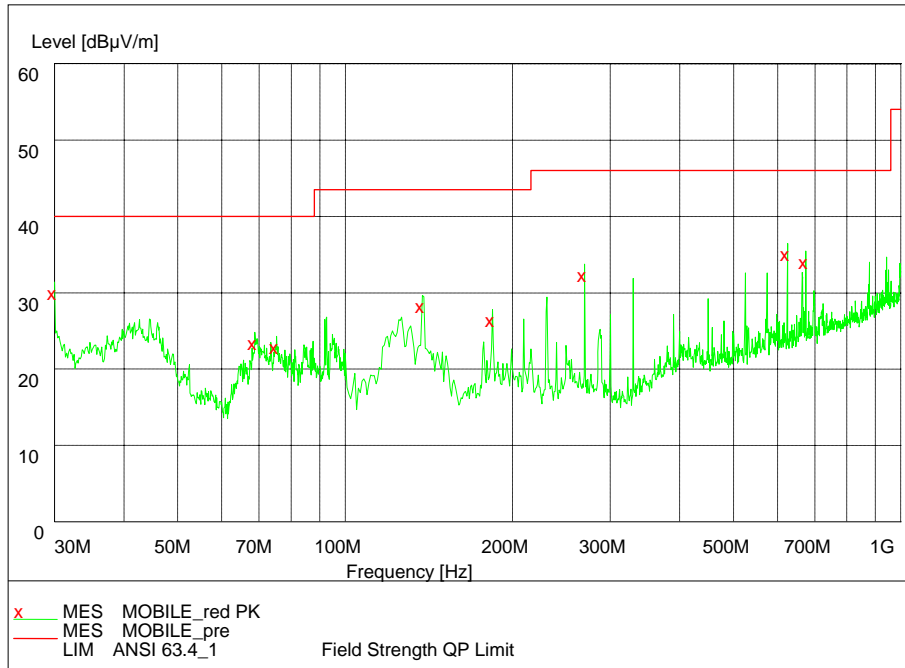


GSM850 (30MHz – 1GHz)

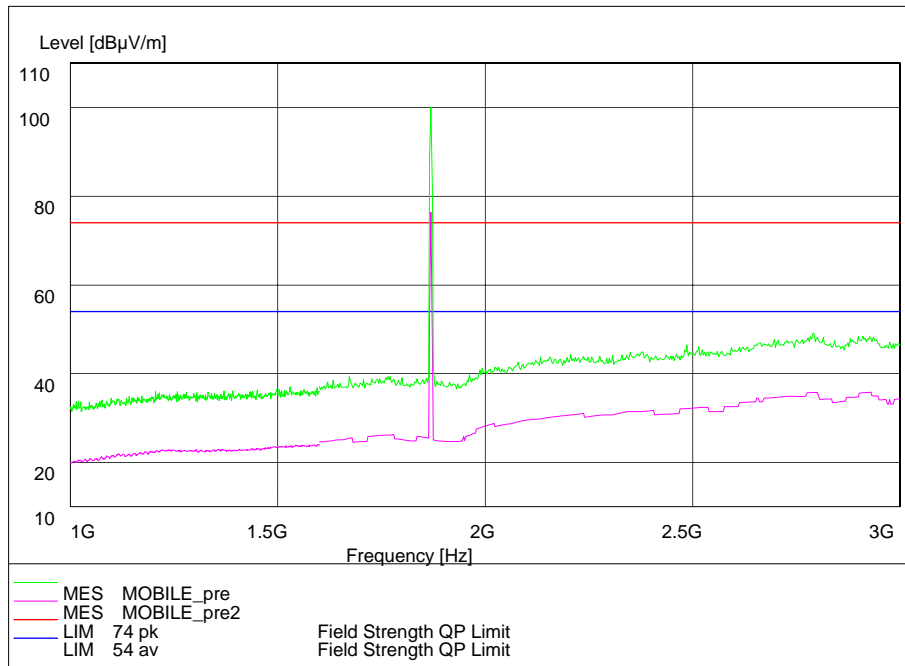
Note: The signal beyond the limit is the base station simulator carrier.



GSM850 (1GHz – 6GHz)

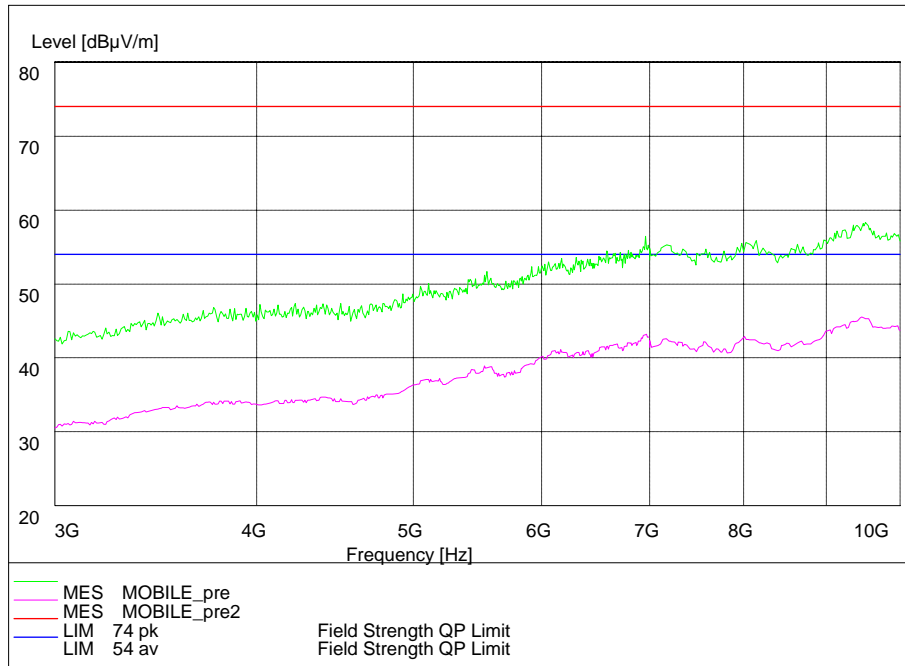


PCS1900 (30MHz – 1GHz)

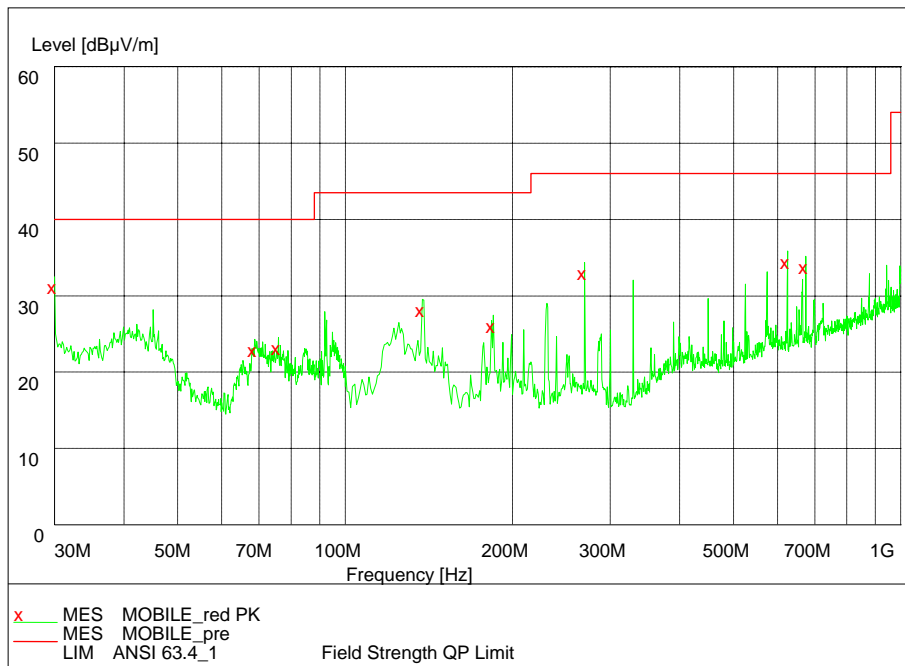


PCS1900 (1GHz – 3GHz)

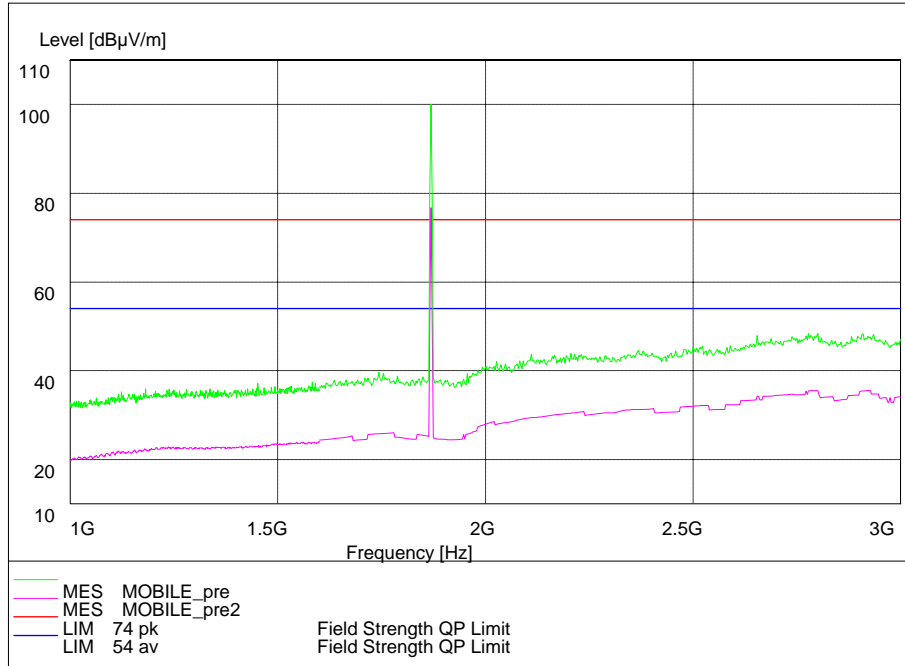
Note: The signals beyond the limit are the base station and simulator carrier.



PCS1900 (3GHz – 10GHz)

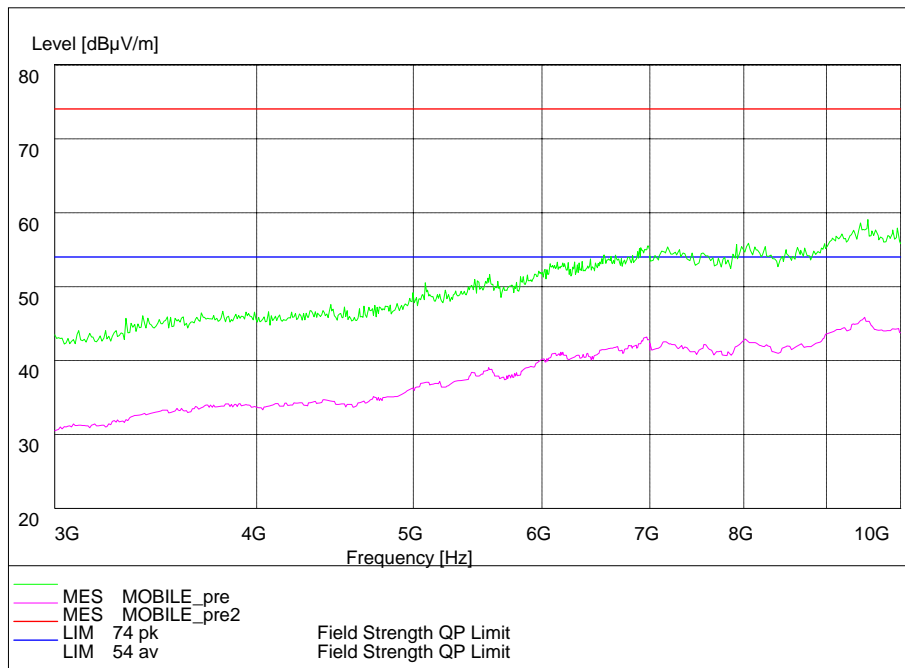


WCDMA BAND II (30MHz – 1GHz)

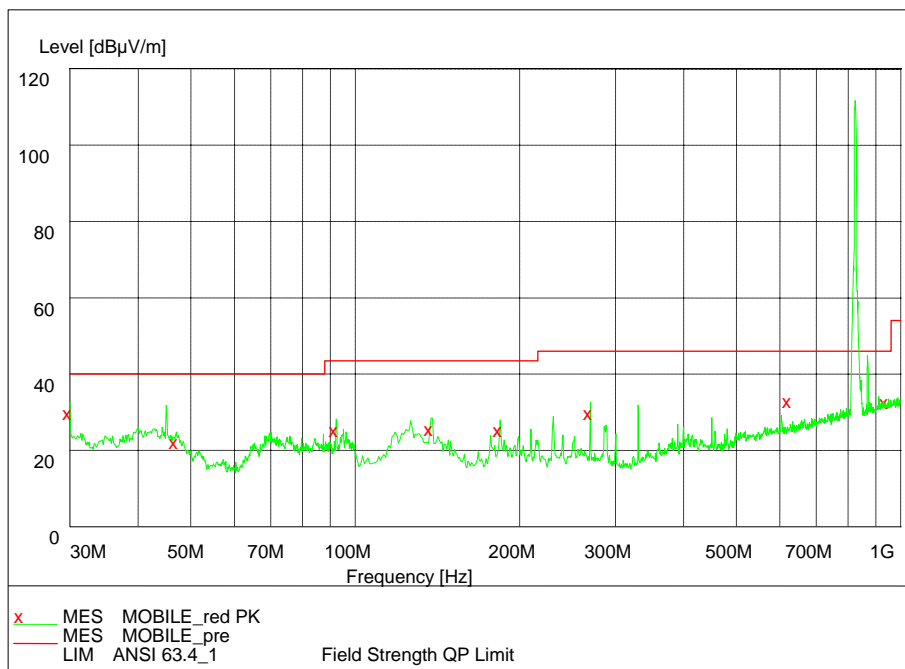


WCDMA BAND II (1GHz – 3GHz)

Note: The signal beyond the limit is the base station simulator carrier.

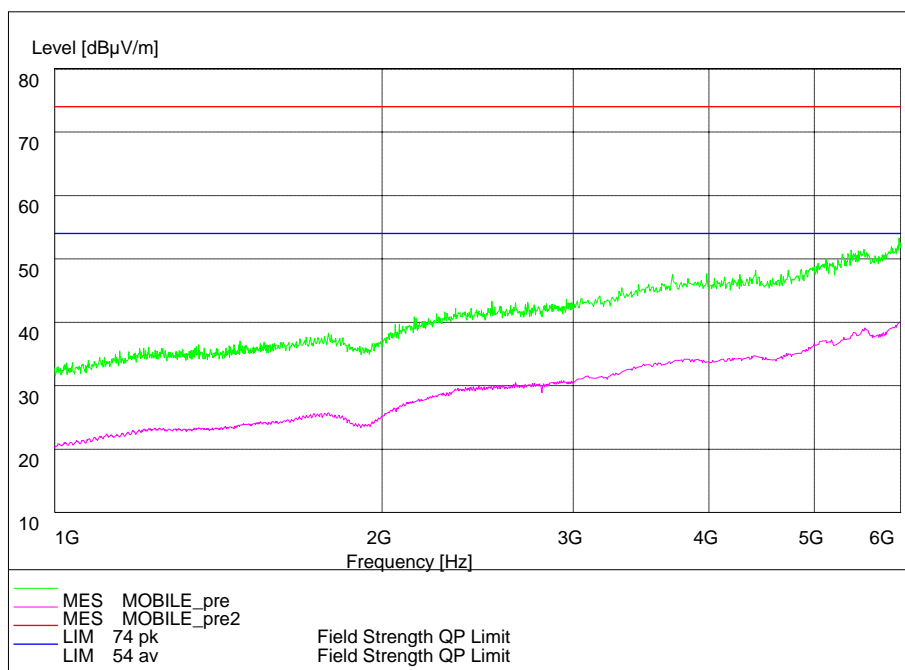


WCDMA BAND II (3GHz – 10GHz)

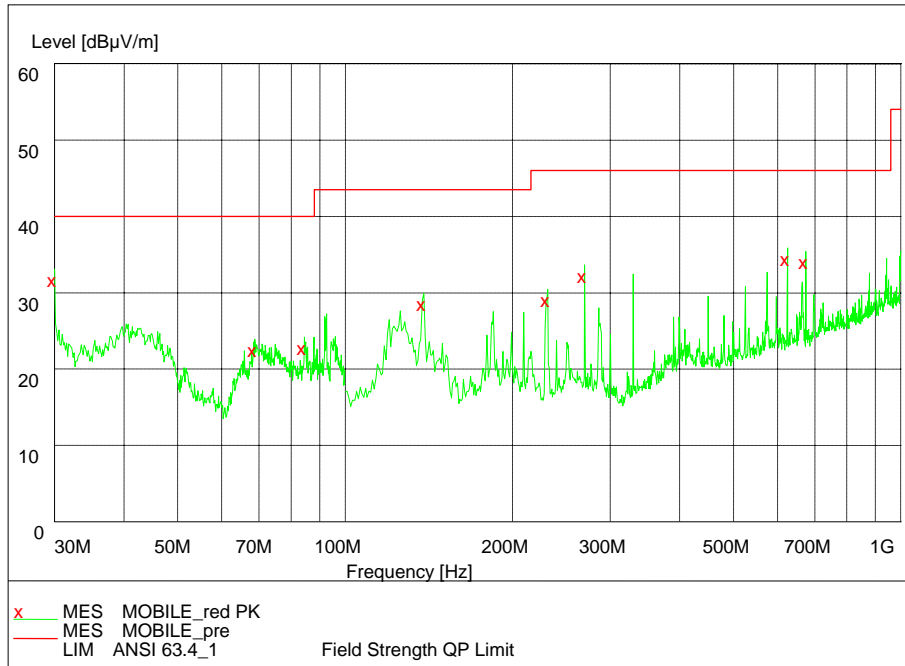


WCDMA BAND V (30MHz – 1GHz)

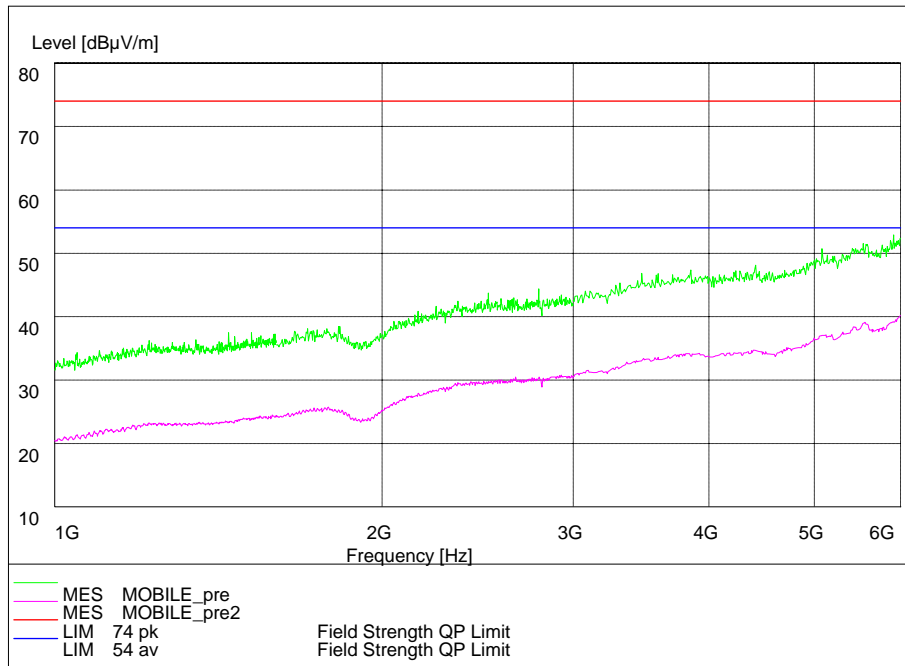
Note: The signals beyond the limit are the base station and simulator carrier.



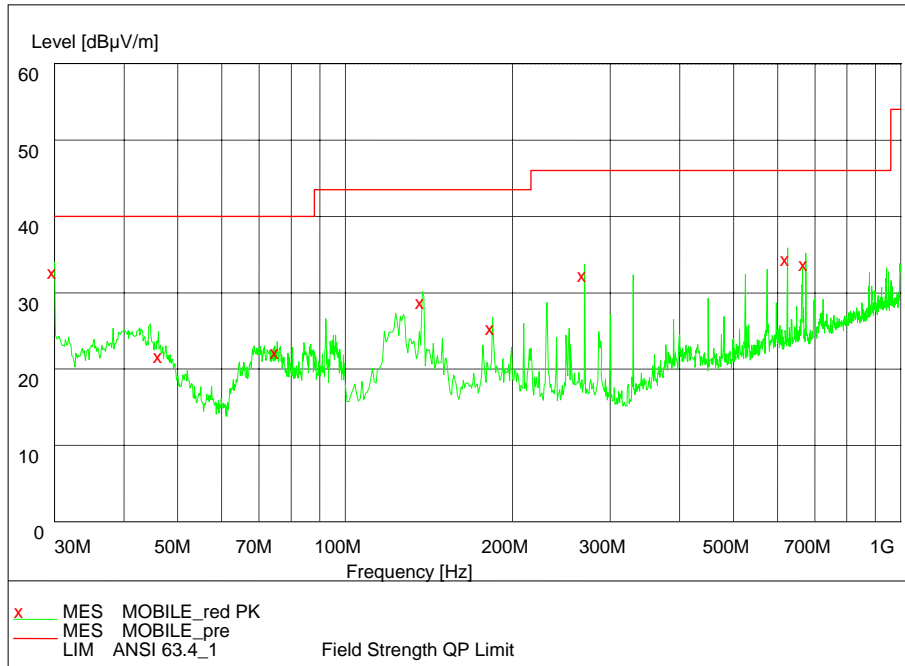
WCDMA BAND V (1GHz – 6GHz)



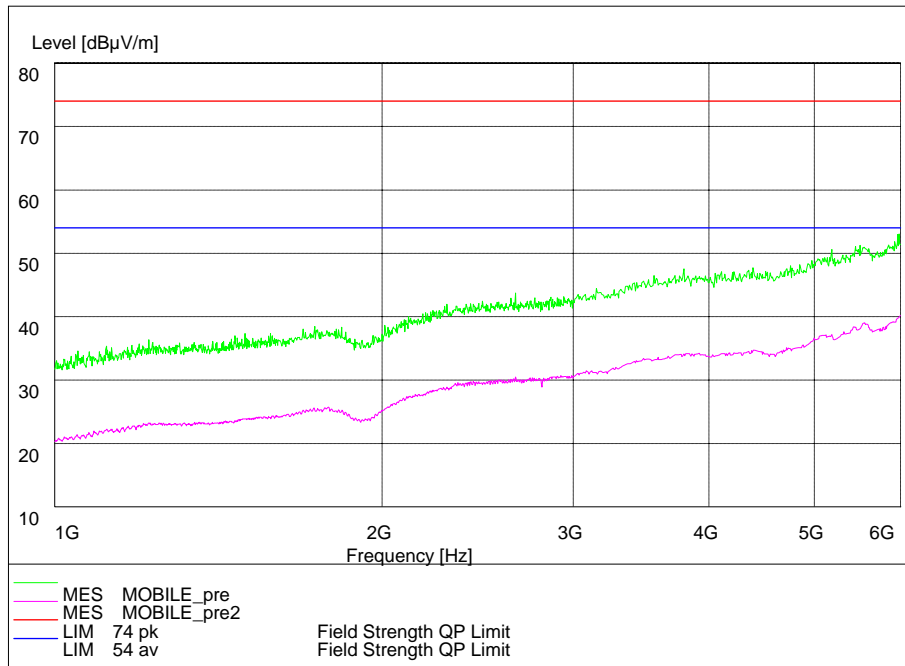
FM Radio (30MHz – 1GHz)



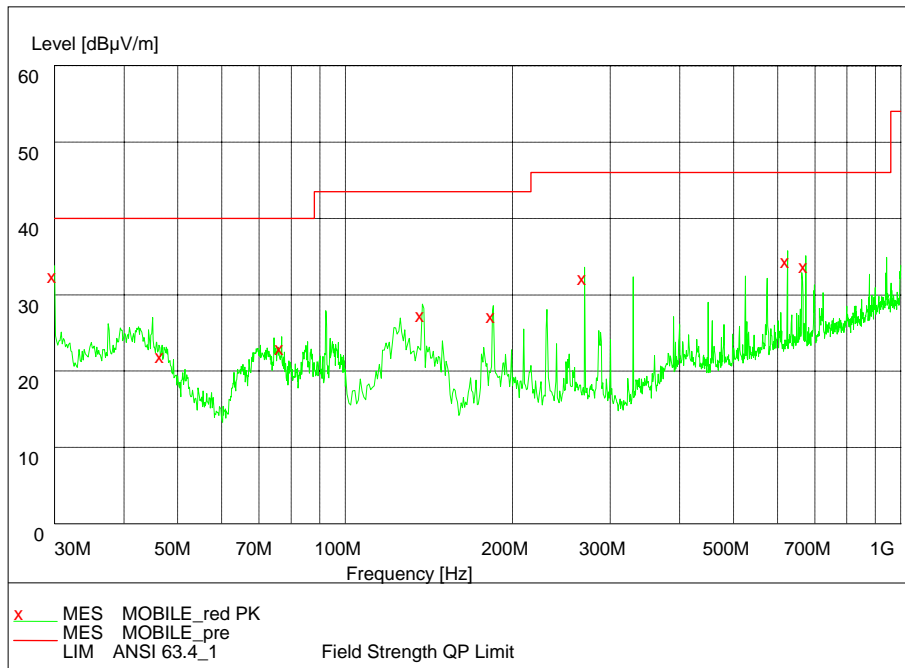
FM Radio (1GHz – 6GHz)



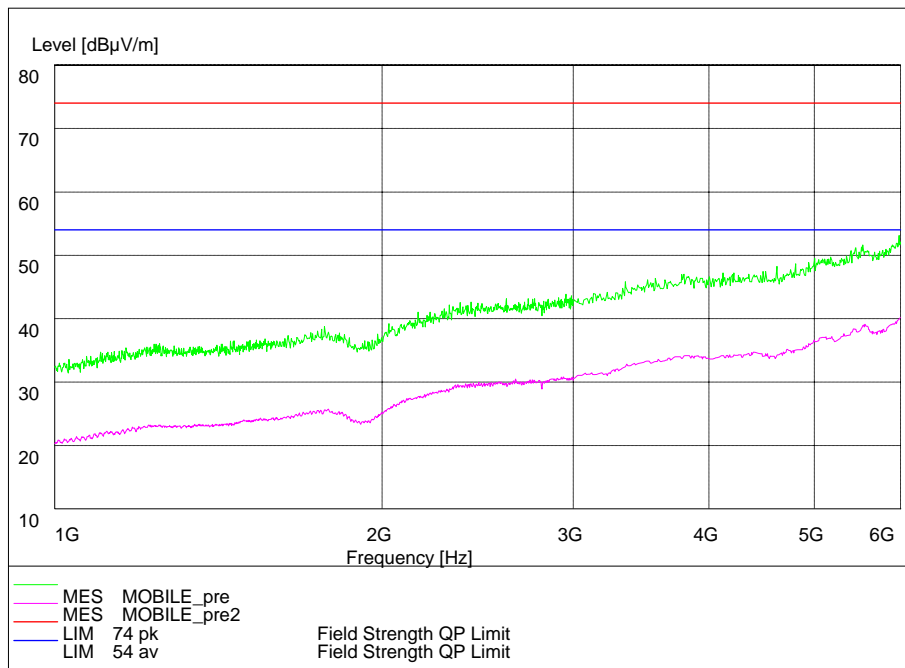
MP3/MP4 (30MHz – 1GHz)



MP3/MP4 (1GHz – 6GHz)



Camera (30MHz – 1GHz)



Camera (1GHz – 6GHz)

2.3. List of test equipments

No.	Name/Model	Manufacturer	S/N	Calibration Due Date
1	23.18m×16.88m×9.60m Semi-Anechoic Chamber	FRANKONIA	-----	19 th Aug. 2014
2	ESI 40 EMI test receiver	R&S	100015	19 th Aug. 2014
3	E5515C(8960) Mobile Station Tester	Agilent	GB44050904	19 th Aug. 2014
4	9.080m×5.255m×3.525m Shielding room	FRANKONIA	-----	19 th Aug. 2014
5	ESCS30 EMI test receiver	R&S	100029	19 th Aug. 2014
6	HL562 Ultra log test antenna	R&S	100016	19 th Aug. 2014
7	ESH3-Z2 Pulse limiter	R&S	10002	19 th Aug. 2014
8	ESH3-Z5 Attenuator	R&S	100020	19 th Aug. 2014
9	ESH2Z11 LISN	R&S	50FH-020-10	19 th Aug. 2014
10	HF 906 Double-Ridged Waveguide Horn Antenna	R&S	100030	19 th Aug. 2014
11	HF 906 Double-Ridged Waveguide Horn Antenna	R&S	100029	19 th Aug. 2014
12	PS2000 Turn Table	FRANKONIA	-----	19 th Aug. 2014
13	MA260 Antenna Master	FRANKONIA	-----	19 th Aug. 2014
14	ES-K1EMI test software	R&S	-----	19 th Aug. 2014
15	HL562 Receive antenna	R&S	100167	19 th Aug. 2014

Appendix

Appendix1 Test Setup