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# TEST REPORT

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Report No.: SRTC2013-H024-E0009

Product Name: GSM/GPRS/EDGE/UMTS

Digital Mobile Phone with Bluetooth and WiFi

Marketing Name: ONE TOUCH 7040A

Product Model: Yaris-5

Applicant: TCT Mobile Limited

Manufacturer: TCT Mobile Limited

Specification: FCC Part15B (Certification)

(October 1, 2009 edition)

FCC ID: RAD416

The State Radio\_monitoring\_center Testing Center (SRTC)

No.80 Beilishi Road Xicheng District Beijing, China

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

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## 1. General information

### 1.1 Notes of the test report

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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)  
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City: Beijing  
Country or Region: China  
Contacted person: Wang Junfeng  
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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: 9<sup>th</sup> September 2013

Date of test: 9<sup>th</sup> September 2013 to 22<sup>nd</sup> October 2013

## 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	RAD416
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.:30.5dBm E.I.R.P.:28.9dBm
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	PIO
SW Version	AAE

### 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 7040A	Yaris-5	013826001100026

### 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.


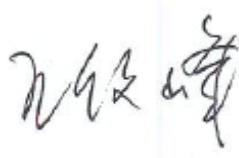

As the information described above, there are two different models of charger manufactured by two different companies, three different models of battery manufactured by two different companies, four different models of headset manufactured by two different companies and four different models of data 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. Dong Qifeng Test engineer 	Issued date:  <p style="text-align: center;"><b>2013.12.23</b></p>



## 2.2 Test result

### 2.2.1 Conducted Emissions-FCC Part15.107

Ambient condition:

Temperature	Relative humidity	Pressure
24°C	48.6%	99.7kPa

Test Setup:

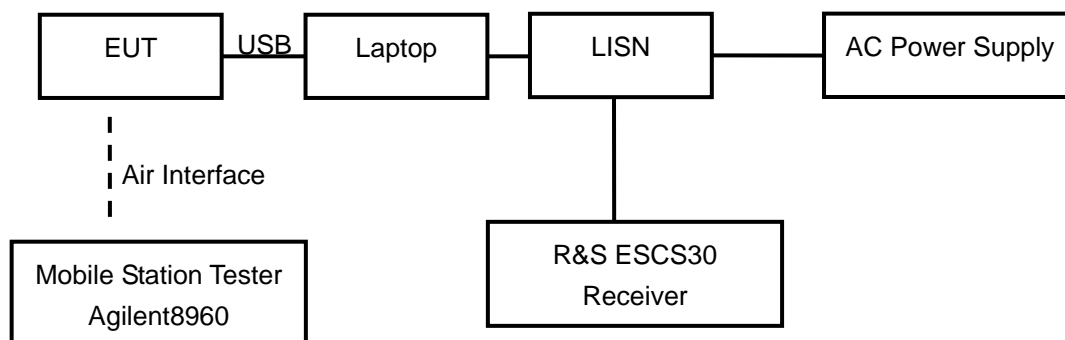


Figure 1

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 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.

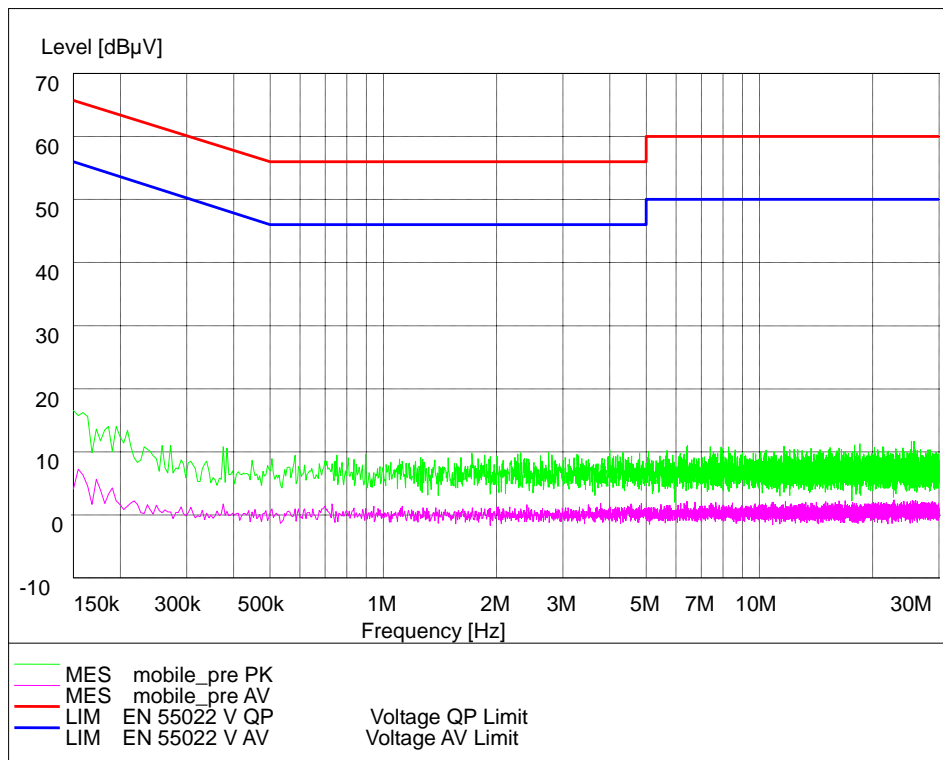
Limit:

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

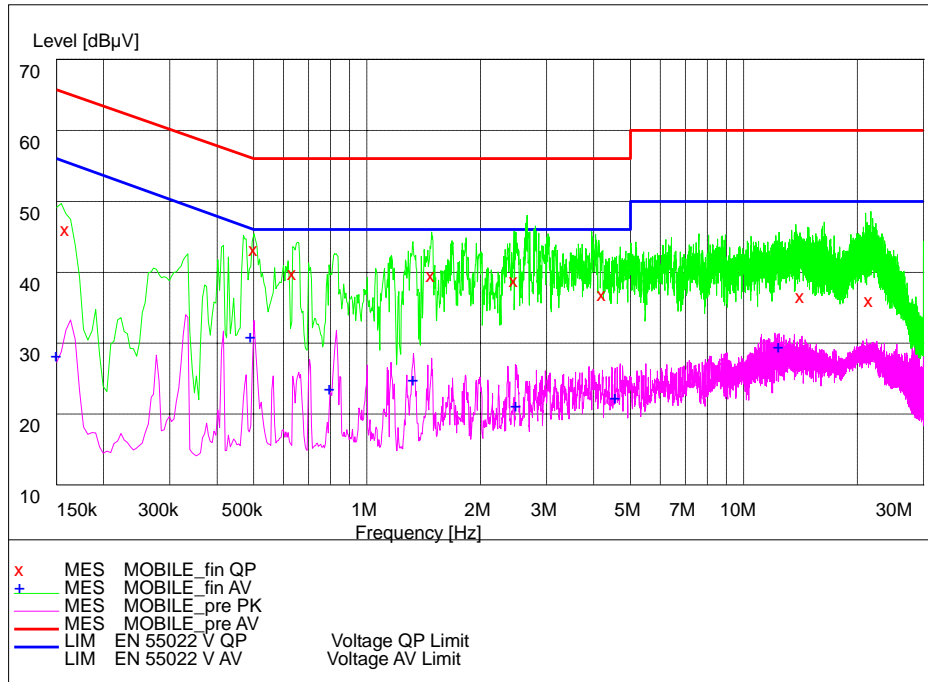
Test result:

### Noise Level of The Measuring Instrument



L and N Line

GSM850 Laptop+ AE3#+AE6#+AE10#



L and N Line

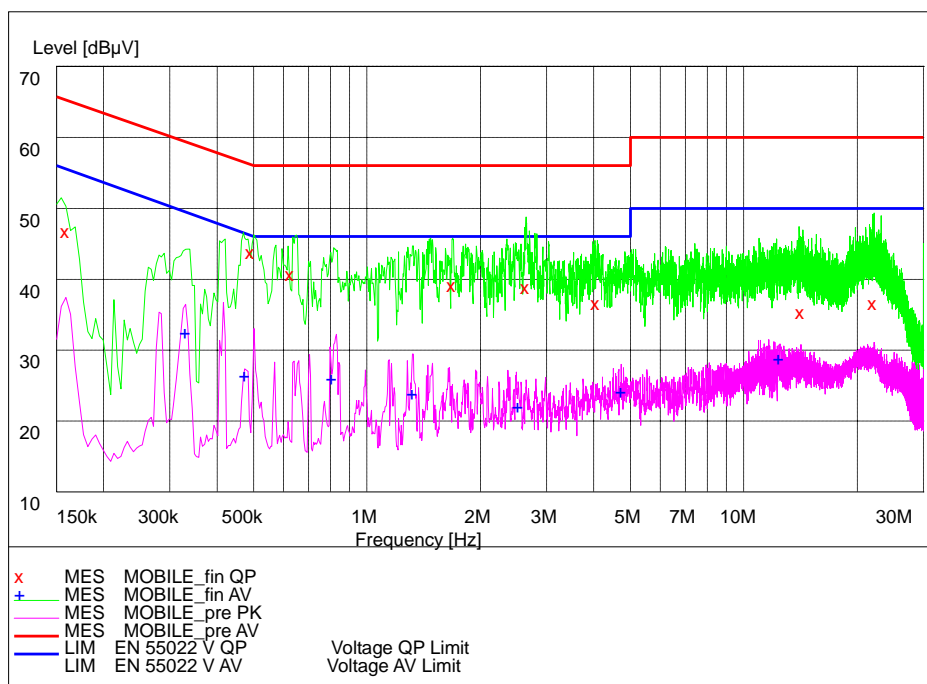
**MEASUREMENT RESULT: "MOBILE\_fin QP"**

Frequency MHz	Level dBµV	Transd	Limit dB	Margin dBµV	Line	PE
0.159000	47.70	20.1	65	17.6	L1	GND
0.501000	44.80	20.3	56	11.2	L1	GND
0.636000	41.50	20.3	56	14.5	L1	GND
1.482000	41.20	20.2	56	14.8	N	GND
2.463000	40.50	20.3	56	15.5	L1	GND
4.218000	38.50	20.4	56	17.5	L1	GND

**MEASUREMENT RESULT: "MOBILE\_fin AV"**

Frequency MHz	Level dBµV	Transd	Limit dB	Margin dBµV	Line	PE
0.492000	32.70	20.3	46	13.4	L1	GND
0.798000	25.30	20.3	46	20.7	L1	GND
1.329000	26.50	20.2	46	19.5	L1	GND
2.490000	22.90	20.3	46	23.1	N	GND
4.569000	24.00	20.4	46	22.0	L1	GND
12.399000	31.20	20.7	50	18.8	L1	GND

PCS1900 Laptop+AE3#+AE6#+AE10#



L and N Line

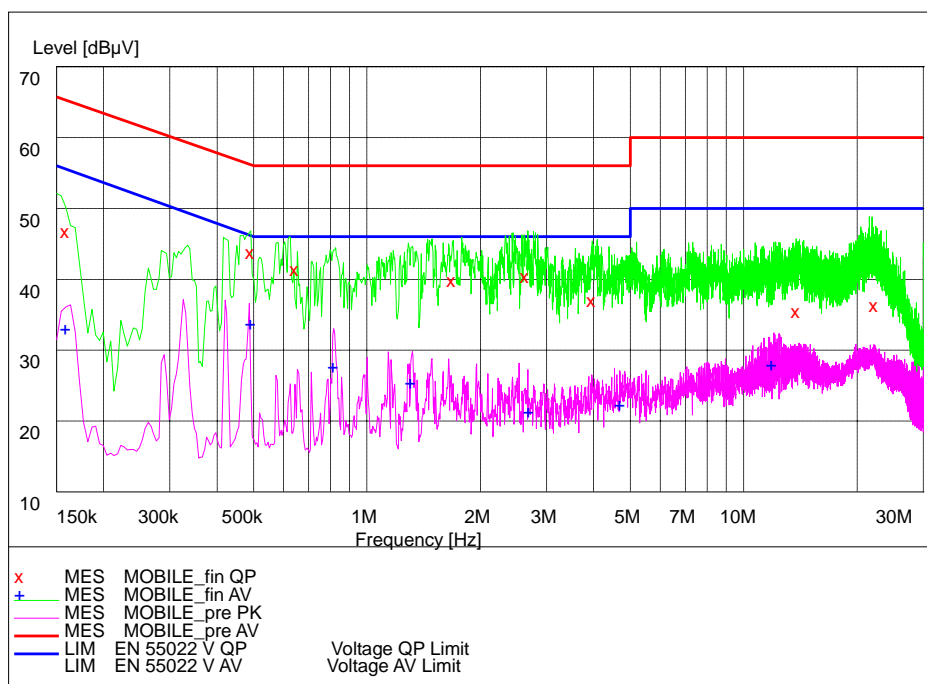
**MEASUREMENT RESULT: "MOBILE\_fin QP"**

Frequency MHz	Level dBμV	Transd	Limit dB	Margin dBμV	Line	PE
0.159000	48.40	20.1	65	16.9	L1	GND
0.492000	45.40	20.3	56	10.8	N	GND
0.627000	42.30	20.3	56	13.7	L1	GND
1.680000	40.80	20.2	56	15.2	L1	GND
2.634000	40.60	20.3	56	15.4	L1	GND
4.065000	38.20	20.3	56	17.8	L1	GND

**MEASUREMENT RESULT: "MOBILE\_fin AV"**

Frequency MHz	Level dBμV	Transd	Limit dB	Margin dBμV	Line	PE
0.330000	34.10	20.2	50	15.3	L1	GND
0.474000	28.10	20.3	46	18.3	L1	GND
0.807000	27.70	20.3	46	18.3	L1	GND
1.320000	25.60	20.2	46	20.4	N	GND
4.731000	25.80	20.4	46	20.2	L1	GND
12.399000	30.50	20.7	50	19.5	L1	GND

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



L and N Line

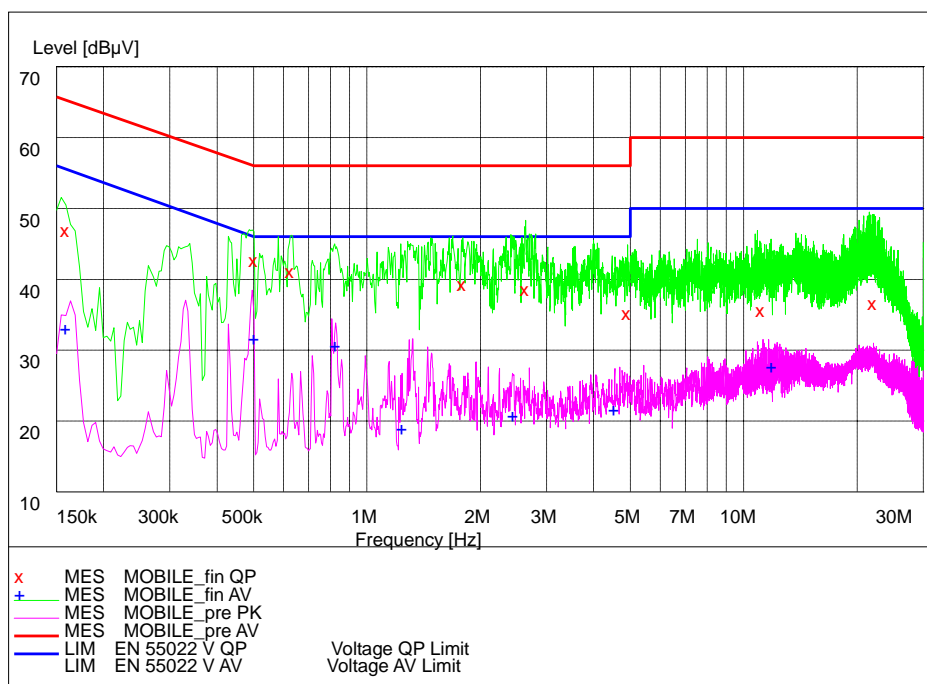
**MEASUREMENT RESULT: "MOBILE\_fin QP"**

Frequency MHz	Level dBμV	Transd	Limit dB	Margin dBμV	Line	PE
0.159000	48.40	20.1	65	16.9	L1	GND
0.492000	45.50	20.3	56	10.6	L1	GND
0.645000	43.10	20.3	56	12.9	L1	GND
1.680000	41.50	20.2	56	14.5	N	GND
2.634000	42.10	20.3	56	13.9	L1	GND
3.966000	38.70	20.3	56	17.3	L1	GND

**MEASUREMENT RESULT: "MOBILE\_fin AV"**

Frequency MHz	Level dBμV	Transd	Limit dB	Margin dBμV	Line	PE
0.159000	34.70	20.1	56	20.9	L1	GND
0.492000	35.40	20.3	46	10.7	L1	GND
0.816000	29.40	20.3	46	16.6	L1	GND
1.311000	27.10	20.2	46	18.9	N	GND
4.704000	24.00	20.4	46	22.0	L1	GND
11.904000	29.60	20.7	50	20.4	L1	GND

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



L and N Line

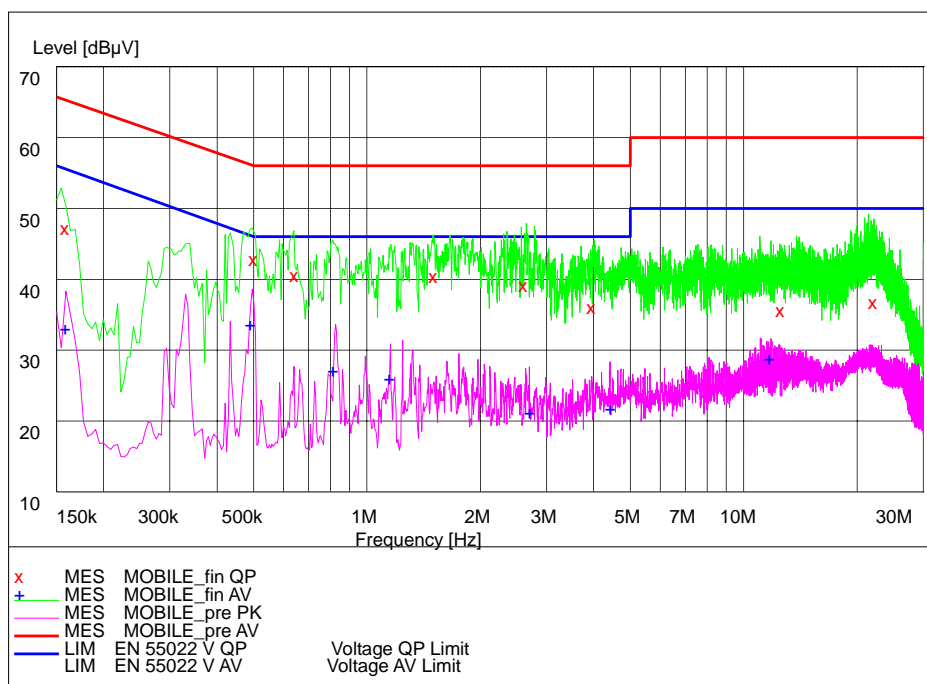
**MEASUREMENT RESULT: "MOBILE\_fin QP"**

Frequency MHz	Level dBμV	Transd	Limit dB	Margin dBμV	Line	PE
0.159000	48.60	20.1	65	16.7	L1	GND
0.501000	44.30	20.3	56	11.7	L1	GND
0.627000	42.80	20.3	56	13.2	L1	GND
1.797000	41.00	20.2	56	15.0	N	GND
2.634000	40.20	20.3	56	15.8	L1	GND
4.902000	36.80	20.4	56	19.2	L1	GND

**MEASUREMENT RESULT: "MOBILE\_fin AV"**

Frequency MHz	Level dBμV	Transd	Limit dB	Margin dBμV	Line	PE
0.159000	34.70	20.1	56	20.9	L1	GND
0.501000	33.40	20.3	46	12.6	L1	GND
0.825000	32.40	20.3	46	13.6	N	GND
2.445000	22.40	20.3	46	23.6	L1	GND
4.524000	23.30	20.4	46	22.7	L1	GND
11.904000	29.40	20.7	50	20.6	L1	GND

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



L and N Line

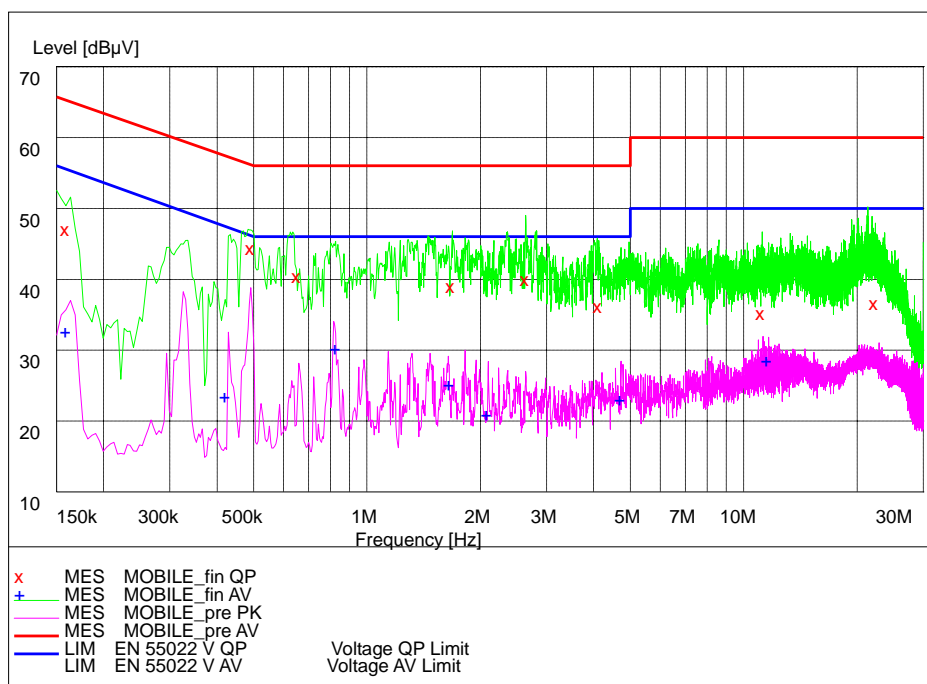
**MEASUREMENT RESULT: "MOBILE\_fin QP"**

Frequency MHz	Level dBμV	Transd	Limit dB	Margin dBμV	Line	PE
0.159000	48.80	20.1	65	16.5	L1	GND
0.501000	44.40	20.3	56	11.6	L1	GND
0.645000	42.30	20.3	56	13.7	N	GND
1.509000	42.10	20.2	56	13.9	L1	GND
2.616000	40.80	20.3	56	15.2	L1	GND
3.966000	37.70	20.3	56	18.3	L1	GND

**MEASUREMENT RESULT: "MOBILE\_fin AV"**

Frequency MHz	Level dBμV	Transd	Limit dB	Margin dBμV	Line	PE
0.159000	34.70	20.1	56	20.8	L1	GND
0.492000	35.30	20.3	46	10.8	N	GND
0.816000	28.80	20.3	46	17.2	L1	GND
1.149000	27.60	20.2	46	18.4	N	GND
4.443000	23.40	20.4	46	22.6	L1	GND
11.715000	30.50	20.7	50	19.5	N	GND

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



L and N Line

**MEASUREMENT RESULT: "MOBILE\_fin QP"**

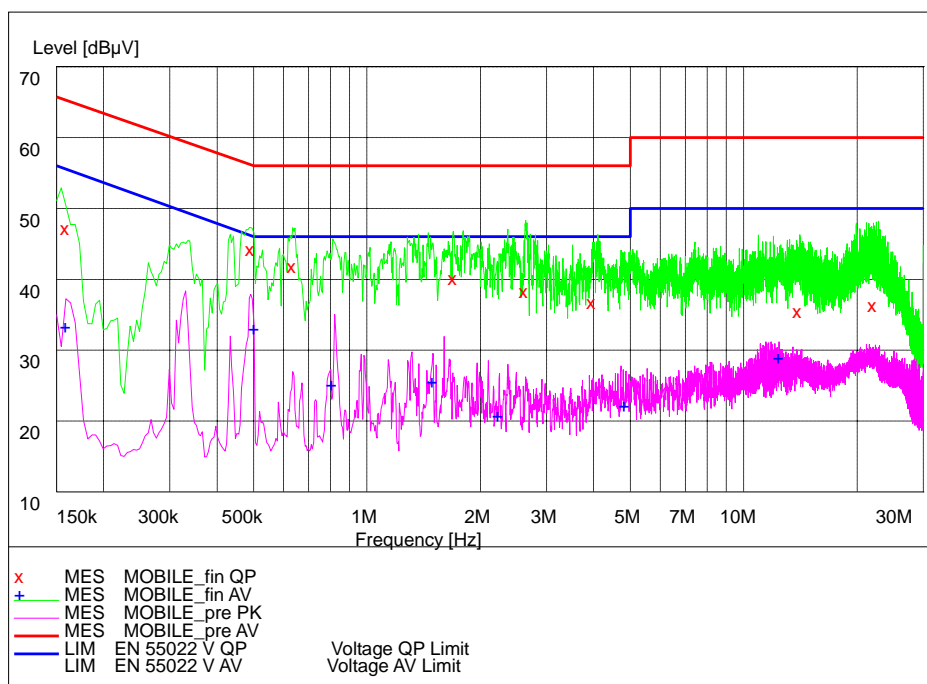
Frequency MHz	Level dBμV	Transd	Limit dB	Margin dBμV	Line	PE
0.159000	48.70	20.1	65	16.5	L1	GND
0.492000	46.00	20.3	56	10.2	L1	GND
0.654000	42.10	20.3	56	13.9	N	GND
1.671000	40.60	20.2	56	15.4	L1	GND
2.634000	41.70	20.3	56	14.3	L1	GND
4.119000	37.90	20.4	56	18.1	N	GND

**MEASUREMENT RESULT: "MOBILE\_fin AV"**

Frequency MHz	Level dBμV	Transd	Limit dB	Margin dBμV	Line	PE
0.159000	34.30	20.1	56	21.2	N	GND
0.420000	25.10	20.3	47	22.3	N	GND
0.825000	31.90	20.3	46	14.1	L1	GND
1.653000	26.80	20.2	46	19.2	L1	GND
4.704000	24.70	20.4	46	21.3	L1	GND
11.526000	30.20	20.7	50	19.8	L1	GND



Camera Laptop+ AE3#+AE6#+AE10#



L and N Line

**MEASUREMENT RESULT: "MOBILE\_fin QP"**

Frequency MHz	Level dBμV	Transd	Limit dB	Margin dBμV	Line	PE
0.159000	48.90	20.1	65	16.3	L1	GND
0.492000	45.80	20.3	56	10.3	N	GND
0.636000	43.40	20.3	56	12.6	L1	GND
1.698000	41.80	20.2	56	14.2	L1	GND
2.625000	39.90	20.3	56	16.1	L1	GND
3.966000	38.30	20.3	56	17.7	L1	GND

**MEASUREMENT RESULT: "MOBILE\_fin AV"**

Frequency MHz	Level dBμV	Transd	Limit dB	Margin dBμV	Line	PE
0.159000	35.00	20.1	56	20.5	L1	GND
0.501000	34.70	20.3	46	11.3	L1	GND
0.807000	26.80	20.3	46	19.2	L1	GND
1.491000	27.30	20.2	46	18.7	N	GND
4.821000	23.90	20.4	46	22.1	L1	GND
12.399000	30.60	20.7	50	19.4	L1	GND

## 2.2.2 Radiated Emissions-FCC Part15.109

Ambient condition:

Temperature	Relative humidity	Pressure
24°C	48.6%	99.7kPa

Test Setup:

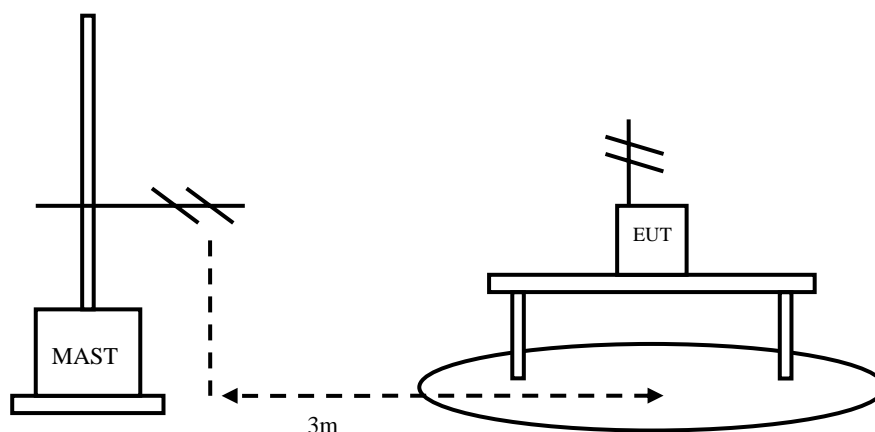


Figure 2

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 $\mu$ 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)	$P_{\text{mea}}$ (dBuV/m)	Polarity
30.00	33.18	15.20	17.98	Vertical
92.28	27.58	8.40	19.18	Vertical
138.48	29.15	8.10	21.05	Horizontal
269.94	33.03	10.90	22.13	Vertical
625.25	36.27	19.60	16.67	Vertical
675.35	34.71	20.50	14.21	Vertical

#### PCS1900 Mode

Frequency(MHz)	Result(dBuV/m)	$A_{Rpl}$ (dB)	$P_{\text{mea}}$ (dBuV/m)	Polarity
30.00	31.39	15.20	16.19	Vertical
137.68	29.63	8.10	21.53	Horizontal
184.17	27.83	7.90	19.93	Vertical
269.94	33.76	10.90	22.86	Vertical
625.25	36.45	19.60	16.85	Vertical
675.35	35.47	20.50	14.97	Vertical

### WCDMA Band II Mode

Frequency(MHz)	Result(dBuV/m)	A <sub>Rpl</sub> (dB)	P <sub>mea</sub> (dBuV/m)	Polarity
30.00	32.51	15.20	17.31	Vertical
137.68	29.51	8.10	21.41	Vertical
184.97	27.47	7.90	19.57	Vertical
269.94	34.35	10.90	23.45	Vertical
625.25	35.87	19.60	16.27	Vertical
675.35	35.16	20.50	14.66	Vertical

### WCDMA Band V Mode

Frequency(MHz)	Result(dBuV/m)	A <sub>Rpl</sub> (dB)	P <sub>mea</sub> (dBuV/m)	Polarity
30.00	32.30	15.20	17.10	Vertical
138.48	29.09	8.10	20.99	Horizontal
184.17	28.01	7.90	20.11	Vertical
269.94	32.90	10.90	22.00	Vertical
625.25	36.10	19.60	16.50	Vertical
675.35	34.33	20.50	13.83	Vertical

### FM Radio Mode

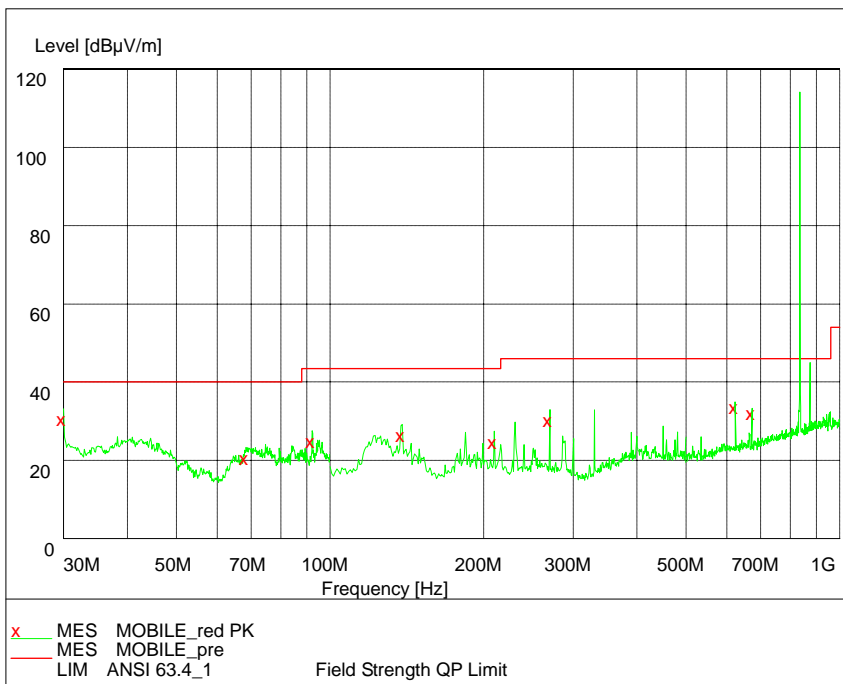
Frequency(MHz)	Result(dBuV/m)	A <sub>Rpl</sub> (dB)	P <sub>mea</sub> (dBuV/m)	Polarity
30.00	33.08	15.20	17.88	Vertical
138.48	29.92	8.10	21.82	Vertical
231.46	30.44	9.50	20.94	Vertical
269.94	33.65	10.90	22.75	Vertical
625.25	35.87	19.60	16.27	Vertical
675.35	35.42	20.50	14.92	Vertical

### MP3/MP4 Mode

Frequency(MHz)	Result(dBuV/m)	A <sub>Rpl</sub> (dB)	P <sub>mea</sub> (dBuV/m)	Polarity
30.00	34.06	15.20	18.86	Vertical
137.68	30.11	8.10	22.01	Horizontal
184.17	26.82	7.90	18.92	Vertical
269.94	33.77	10.90	22.87	Vertical
625.25	35.86	19.60	16.26	Vertical
675.35	35.16	20.50	14.66	Vertical

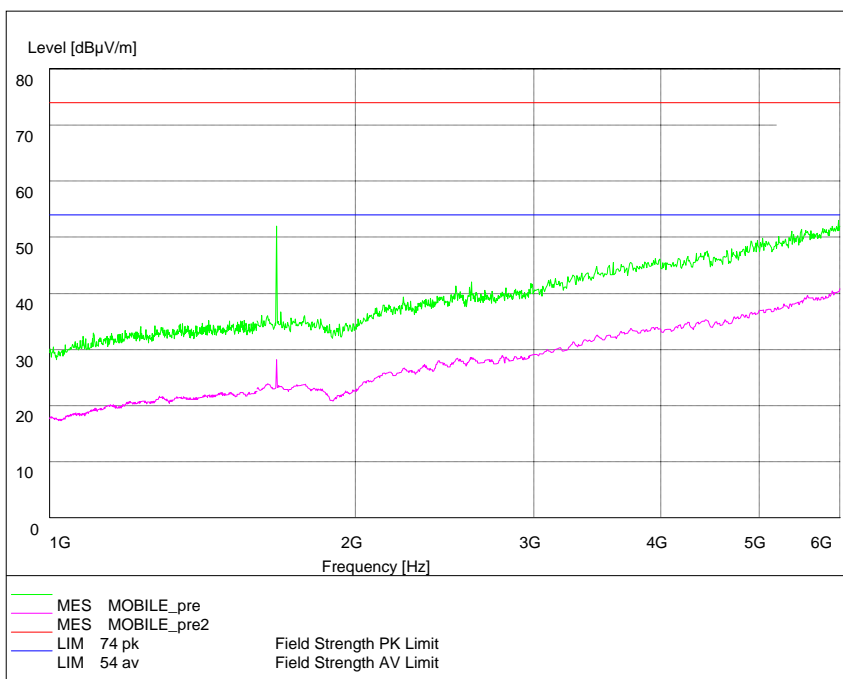
### Camera Mode

Frequency(MHz)	Result(dBuV/m)	A <sub>Rpl</sub> (dB)	P <sub>mea</sub> (dBuV/m)	Polarity
30.00	33.82	15.20	18.62	Vertical
137.68	28.78	8.10	20.68	Horizontal
184.97	28.54	7.90	20.64	Vertical
269.94	33.60	10.90	22.70	Vertical
625.25	35.74	19.60	16.14	Vertical
675.35	35.11	20.50	14.61	Vertical

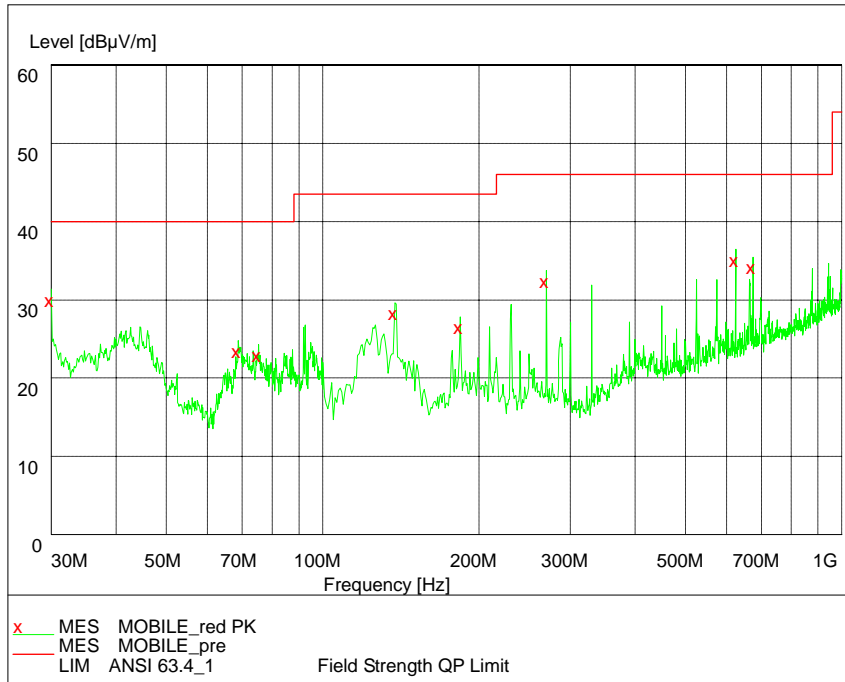


### GSM850 (30MHz – 1GHz)

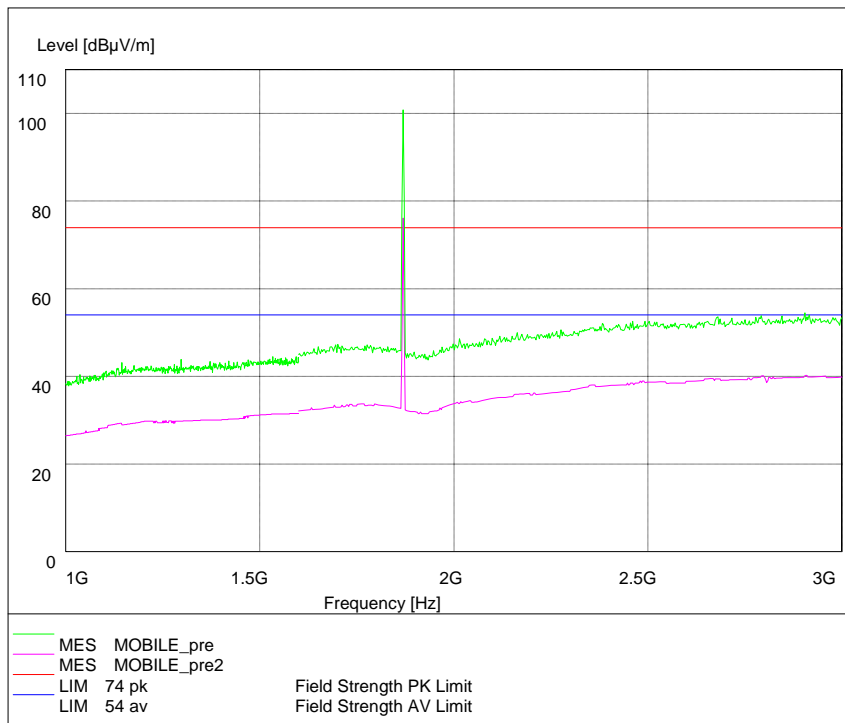
Note: The signal beyond the limit is the base station simulator carrier.



### GSM850 (1GHz – 6GHz)

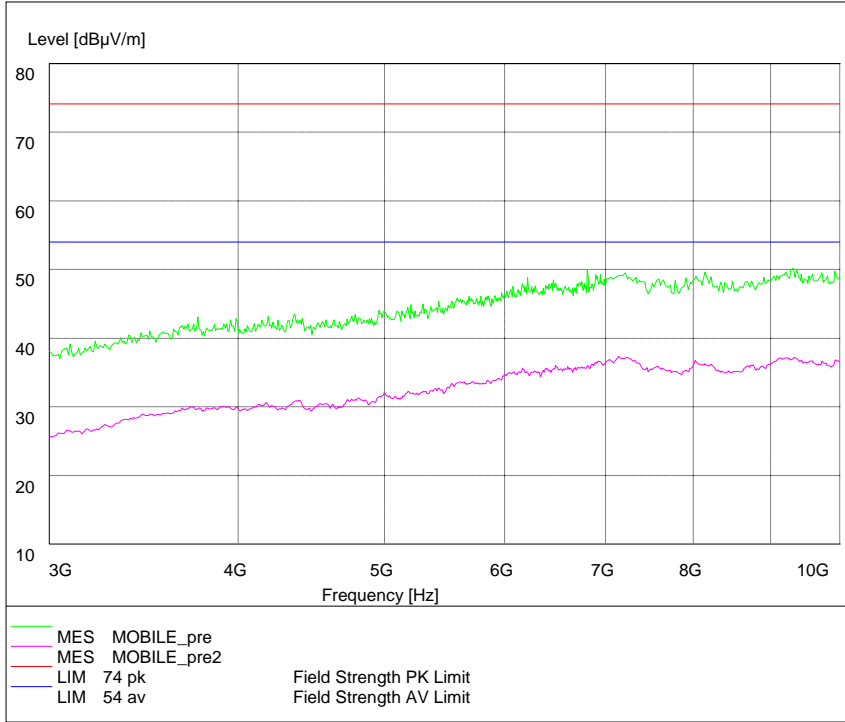


PCS1900 (30MHz – 1GHz)

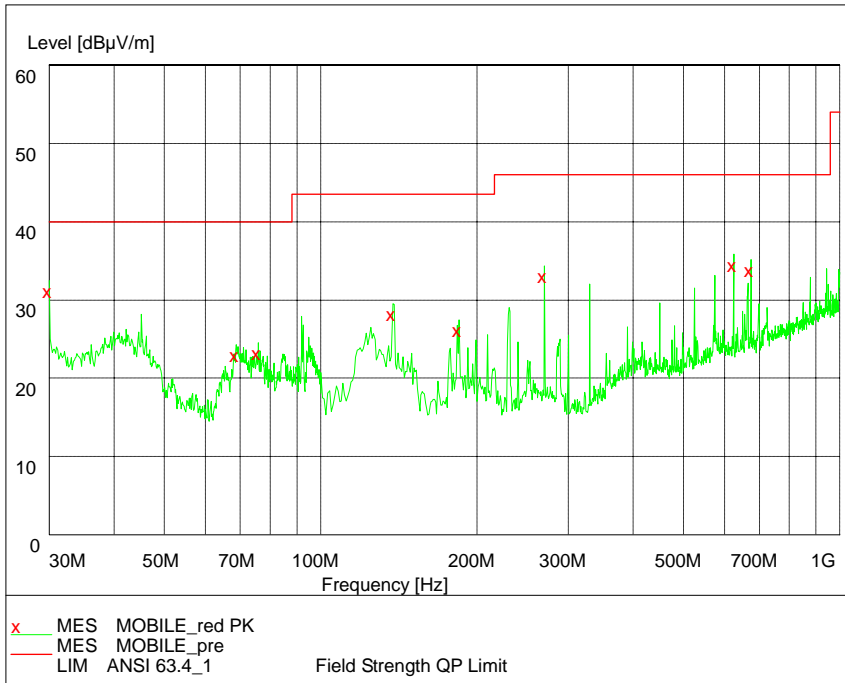


PCS1900 (1GHz – 3GHz)

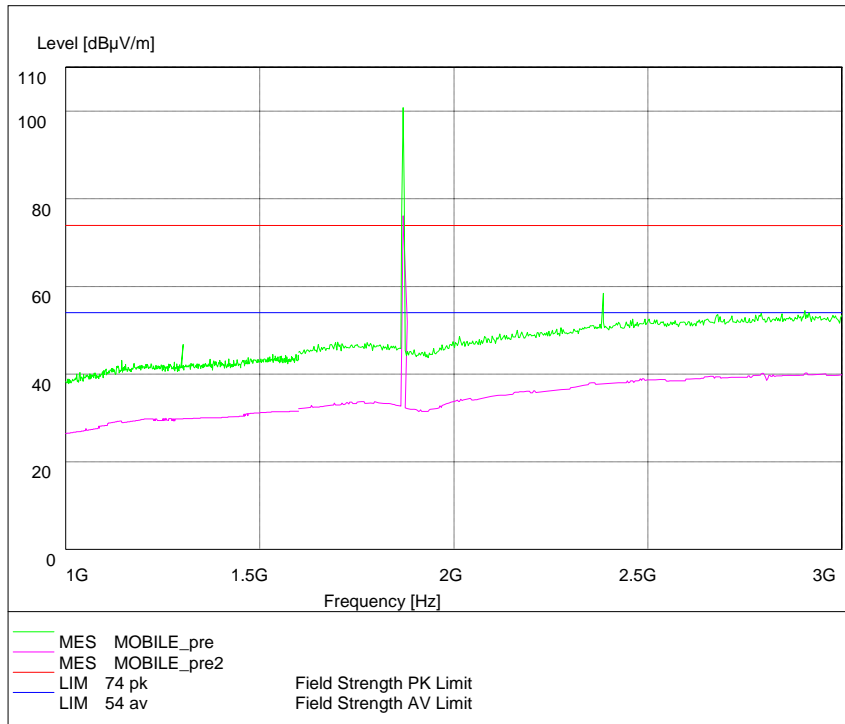
Note: The signals beyond the limit are the base station and simulator carrier.



PCS1900 (3GHz – 10GHz)

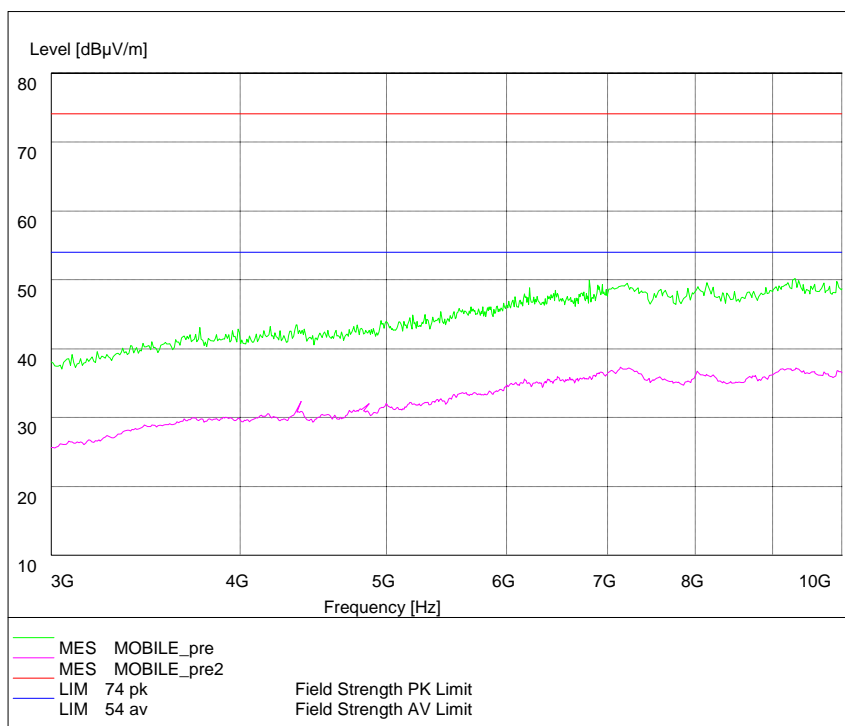


WCDMA BAND II (30MHz – 1GHz)



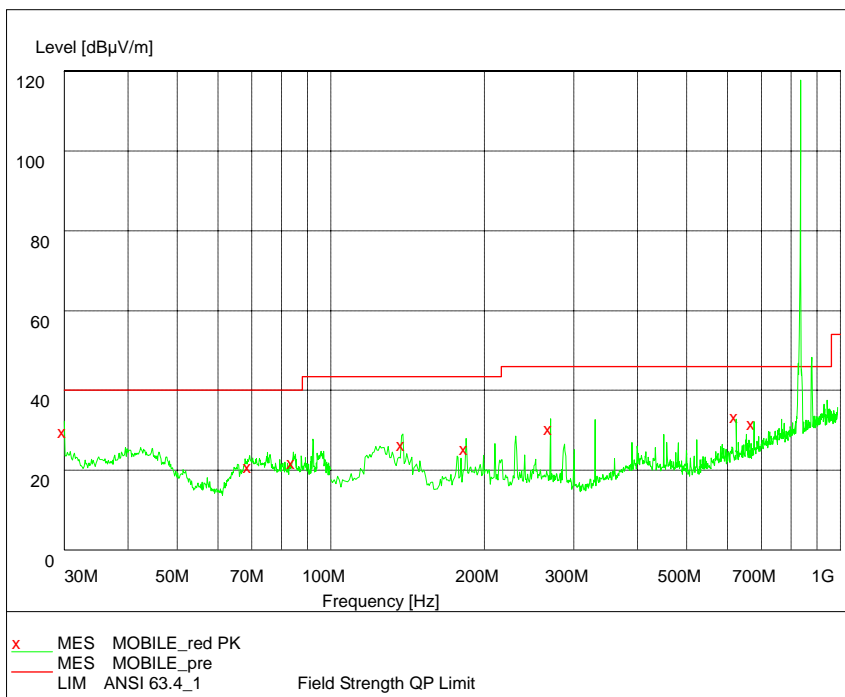
**WCDMA BAND II (1GHz – 3GHz)**

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



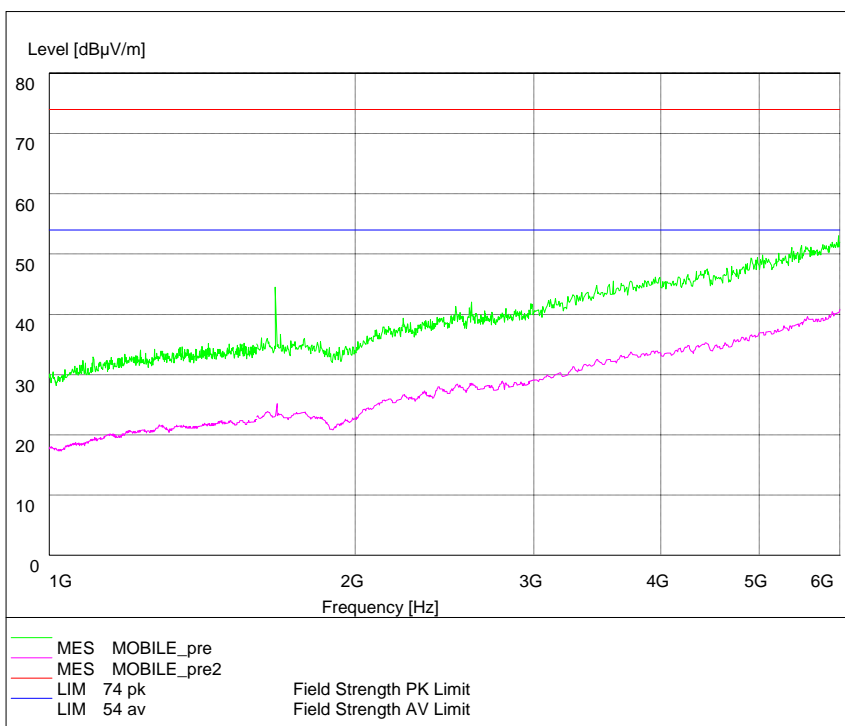
**WCDMA BAND II (3GHz – 10GHz)**



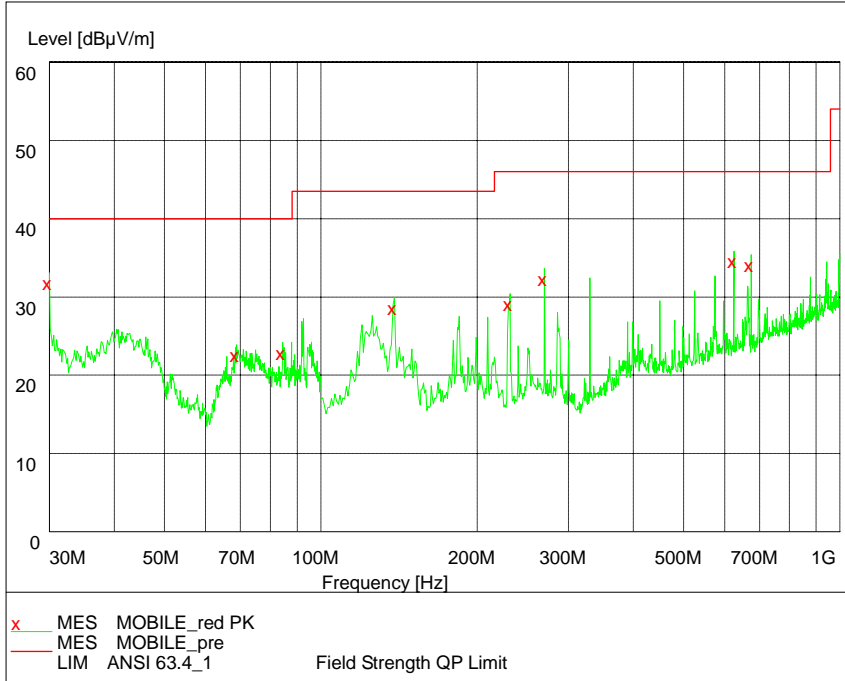


### WCDMA BAND V (30MHz – 1GHz)

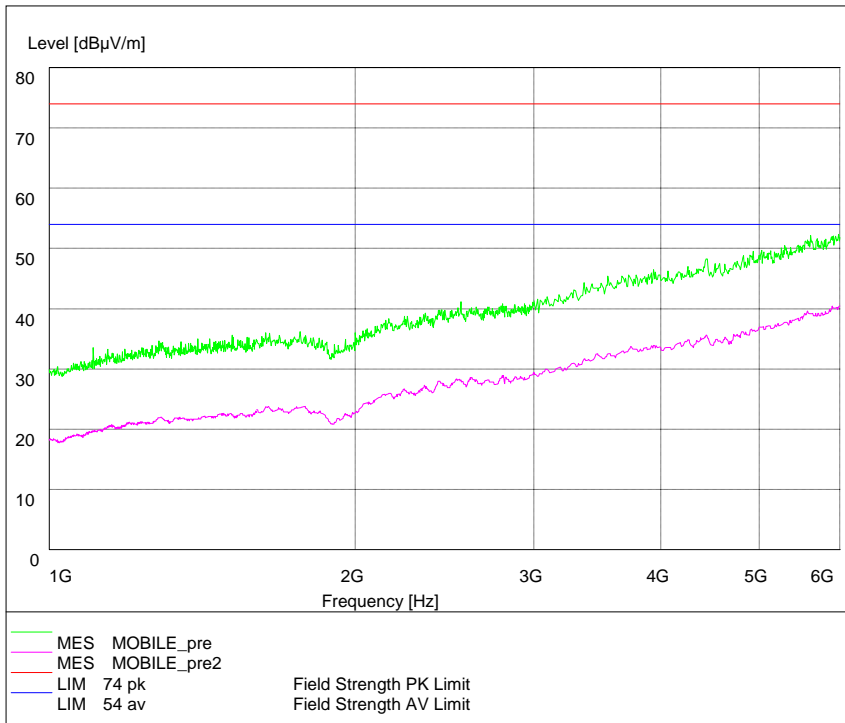
Note: The signal beyond the limit is the base station simulator carrier.



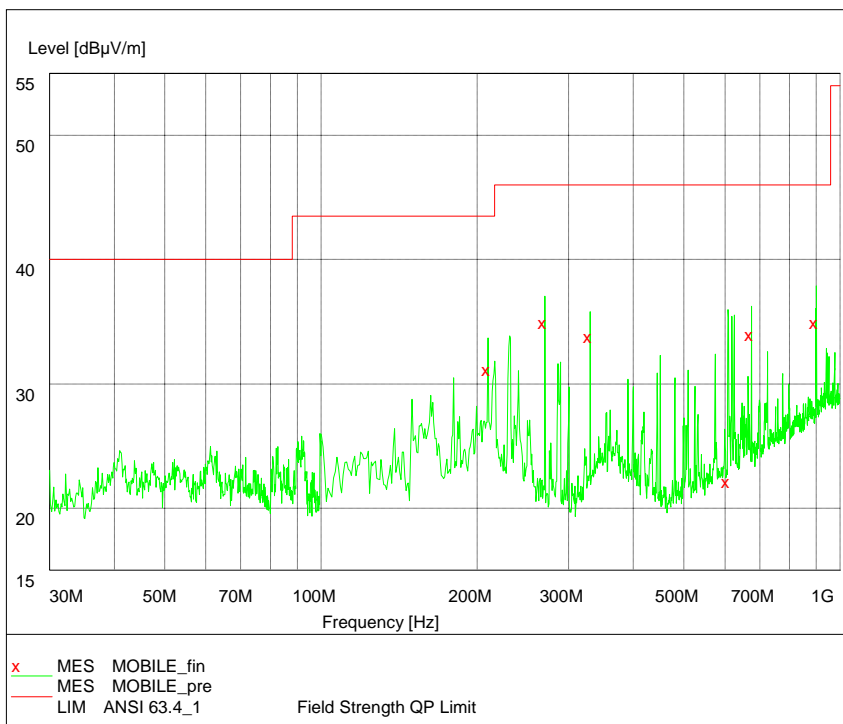
### WCDMA BAND V (1GHz – 6GHz)



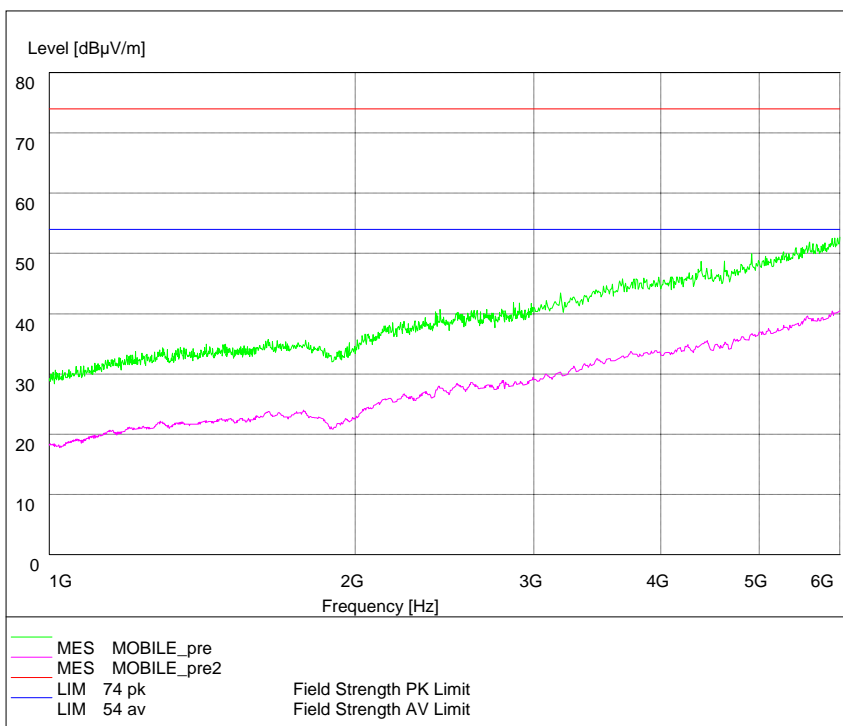
FM Radio (30MHz – 1GHz)



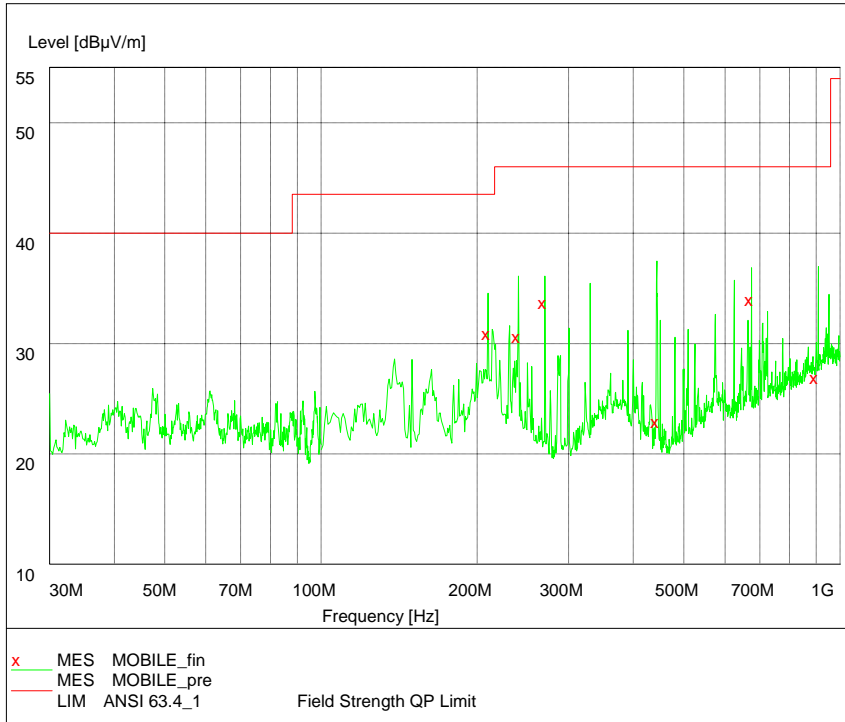
FM Radio (1GHz – 6GHz)



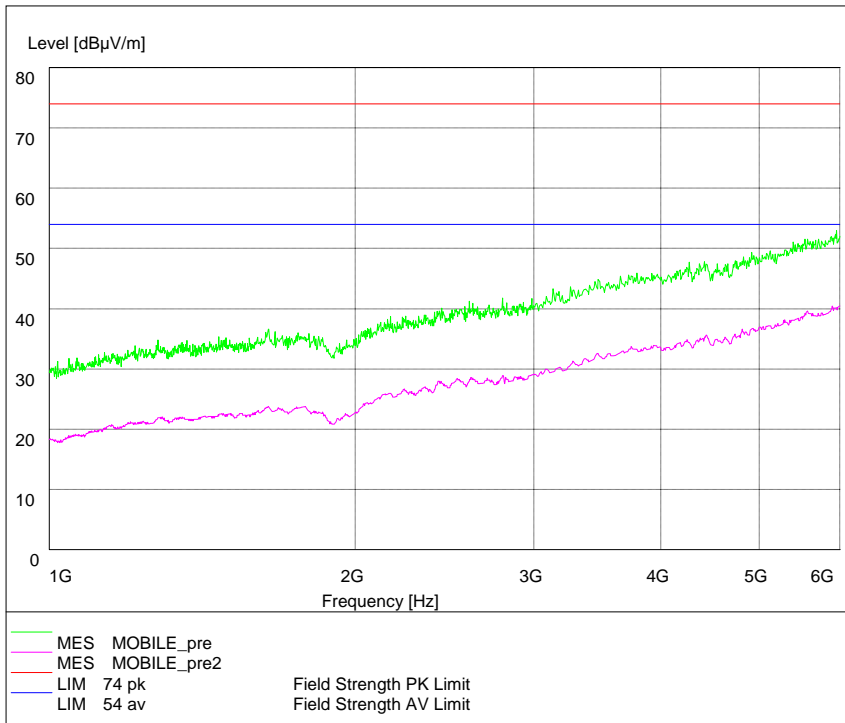
MP3/MP4 (30MHz – 1GHz)



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 <sup>th</sup> Aug. 2014
2	ESI 40 EMI test receiver	R&S	100015	19 <sup>th</sup> Aug. 2014
3	E5515C(8960) Mobile Station Tester	Agilent	GB44050904	19 <sup>th</sup> Aug. 2014
4	9.080m×5.255m×3.525m Shielding room	FRANKONIA	-----	19 <sup>th</sup> Aug. 2014
5	ESCS30 EMI test receiver	R&S	100029	19 <sup>th</sup> Aug. 2014
6	HL562 Ultra log test antenna	R&S	100016	19 <sup>th</sup> Aug. 2014
7	ESH3-Z2 Pulse limiter	R&S	10002	19 <sup>th</sup> Aug. 2014
8	ESH3-Z5 Attenuator	R&S	100020	19 <sup>th</sup> Aug. 2014
9	ESH2Z11 LISN	R&S	50FH-020-10	19 <sup>th</sup> Aug. 2014
10	HF 906 Double-Ridged Waveguide Horn Antenna	R&S	100030	19 <sup>th</sup> Aug. 2014
11	HF 906 Double-Ridged Waveguide Horn Antenna	R&S	100029	19 <sup>th</sup> Aug. 2014
12	PS2000 Turn Table	FRANKONIA	-----	19 <sup>th</sup> Aug. 2014
13	MA260 Antenna Master	FRANKONIA	-----	19 <sup>th</sup> Aug. 2014
14	ES-K1EMI test software	R&S	-----	19 <sup>th</sup> Aug. 2014
15	HL562 Receive antenna	R&S	100167	19 <sup>th</sup> Aug. 2014

## Appendix

### Appendix1 Test Setup