



# EMC Test Report

**Product Name: HSDPA/UMTS/GPRS/GSM/EDGE Mobile  
Phone with Bluetooth**

**Model Number: HUAWEI U8500/U8500/HUAWEI U8500-  
9/U8500-9**

**Report No: SYBH(Z-EMC)047012011-2**

**FCC ID: QISU8500-9**

**IC ID: 6369A-U85009**

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## Notice 1

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2. The laboratory has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements. The site recognition number is 97456.
3. The laboratory has been listed by industry Canada to perform electromagnetic emission measurement. The site recognition number is 6369A-1.
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## Notice 2

Modification Information:

### Modification Information

Modification Information	1	
	2	
	3	<i>Not Applicable!</i>
	4	
	5	
	6	
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## 1 Status

### 1.1 Product Information

CLIENT:	Huawei Technologies Co., Ltd.
ADDRESS:	Bantian Longgang District Shenzhen, P.R. China
MANUFACTURING DESCRIPTION	HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth
MANUFACTURERS MODEL NUMBER	HUAWEI U8500/U8500/HUAWEI U8500-9/U8500-9

### 1.2 Test Site

Site 1:  
EMC LABORATORY OF RELIABILITY LABORATORY OF HUAWEI TECHNOLOGIES CO., LTD

### 1.3 Test environment condition

Ambient temperature	20~25°C
Relative humidity	40%~52%
Atmospheric pressure	101kPa

## 2 Summary of Results

Table below shows a brief summary of the results obtained.

Summary of results

<b>EUT Classification: Wireless Terminal</b>				
<b>Test Items</b>	<b>Test Configuration &amp; Test Mode</b>	<b>Required Performance Criteria</b>	<b>Result</b>	<b>Site</b>
<u>Radiated Emissions</u> Enclosure Port	TC1/TC2 (TM10-TM18)	N/A	Pass	Site1
<u>Conducted Emissions</u>	TC1 (TM1-TM18)	N/A	Pass	Site1
<u>Radiated Spurious Emissions</u> Enclosure Port	TC1 (TM1-TM8)	N/A	Pass	Site1
<u>Receiver Spurious Emission</u> Enclosure Port	TC1/TC2 (TM10~TM18)	N/A	Pass	Site1

Note:  
1, Measurement taken is within the measurement uncertainty of measurement system.  
2, TC = Test configuration

### 3 Equipment Specification

#### 3.1 General Description

HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth-HUAWEI U8500/U8500/HUAWEI U8500-9/U8500-9 is subscriber equipment in the WCDMA/GSM system. The HSDPA frequency bands are Band I and Band IV, but only Band IV test data included in this report. The GSM/GPRS/EDGE frequency bands include GSM850 and GSM900 and DCS1800 and PCS1900, but only GSM850 and PCS1900MHz band test data included in this report. The Mobile Phone implements such functions as RF signal receiving/transmitting, HSDPA and GSM/GPRS/EDGE protocol processing, voice, video, MMS service, GPS, and WIFI etc. Externally it provides micro SD card interface, earphone port (to provide voice service) and USIM card interface. It also provides Bluetooth module to synchronize data between a PC and the phone, or to use the built-in modem of the phone to access the Internet with a PC, or to exchange data with other Bluetooth devices.

##### 3.1.1 Main Equipment Technical Data

Description:	HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth
Models:	HUAWEI U8500/U8500/HUAWEI U8500-9/U8500-9
Input Rated Voltage	3.7V
Extreme Voltage	3.6V and 4.2V
Rated Power	Normal 3W ,Max 8 W
Dimensions	111.5mm (L)×58mm (W)×12.8mm (H)
Weight	<110g (with battery)

Sub-Assembly Identity

Mode		Work Frequency	
		Transmitt Frequency (MHz)	Receive Frequency (MHz)
GSM	GSM850	824 - 849	869 - 894
	PCS1900	1850-1910	1930-1990
WCDMA	WCDMA AWS	1712-1753	2112- 2153
Bluetooth		2400-2483.5	
WIFI		2400-2483.5	
GPS			1575.42

Sub-Assembly Identity

Board				
Model Name	Qty.	Serial	Description	
HD1U850M	1	P5K7NA1111000160	Main board of Mobile Phone	
Accessory				
Name	Qty.	Manufacture	Serials number	Description
Adapter	1	Huawei Technologies Co., Ltd.	TPAAC2107265	Adapter Model: HW-050100U1W Input Voltage : ~100-240V 50/60Hz 0.2A Output Voltage:  5.0V 1A Rated Power: 5W
Adapter	1	Huawei Technologies Co., Ltd.	TPAA42100333	Adapter Model: HW-050100E1W Input Voltage : ~100-240V 50/60Hz 0.2A



				Output Voltage: <b>5.0V</b> 1.0A Rated Power: 5W
Adapter	1	Huawei Technologies Co., Ltd.	TPAA42100033	Adapter Model: HW-050100B1W Input Voltage : ~100-240V 50/60Hz 0.2A Output Voltage: <b>5.0V</b> 1.0A Rated Power: 5W
Rechargeable Li-ion	1	Huawei Technologies Co., Ltd.	UNHAA22X84213877	Battery Model: HB5A2H Rated capacity: 1150mAh Nominal Voltage: <b>+3.7V</b> Charging Voltage: <b>+4.2V</b>

#### 4 System Configuration during EMC Test

The Equipment under Test (EUT) was functioning correctly during all tests. The EUT was installed within the test site and was configured to simulate a typical user installation.

##### 4.1 Cables Used during Test

Cable Used during Test

Cable	Quantity	Type of Cable
USB	1	shielded
Earphone	1	Unshielded

##### 4.2 Associated Equipment Used during Test

Associated Equipment Used during Test

Name	Model	Manufacturer	S/N	Cal Date
Radio Communication Tester	CMU200	R&S	3607111817	2010-7-23
Notebook	D81	DELL	3105083303	NA

##### 4.3 Test Configurations and Test Mode

###### 4.3.1 Test Configuration.

The EUT will be connected to test system (Base Station Simulator) in order to simulate normal operating conditions (with reference to the guidance given in the standard for this type of equipment).

TC1:EUT powered with an adapter and connected to the test system (Base Station Simulator).  
 TC2:EUT connected to the notebook by USB port.

Configuration table

TC1/TC2	TM1~TM18
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###### 4.3.2 Test Mode

There were 18 test Modes. TM1 to TM18 were shown in the diagrams below:

TM1	operate in traffic mode GSM 850;
TM2	operate in traffic mode GPRS 850;
TM3	operate in traffic mode EDGE 850;
TM4	operate in traffic mode GSM 1900;
TM5	operate in traffic mode GPRS 1900;
TM6	operate in traffic mode EDGE 1900;
TM7	operate in traffic mode WCDMA AWS;
TM8	operate in traffic mode HSDPA AWS;
TM9	operate in traffic mode GPS;
TM10	operate in idle mode GSM 850;
TM11	operate in idle mode GPRS 850;
TM12	operate in idle mode EDGE 850;
TM13	operate in idle mode GSM 1900;
TM14	operate in idle mode GPRS1900;
TM15	operate in idle mode EDGE 1900;
TM16	operate in idle mode WCDMA AWS;
TM17	operate in idle mode HSDPA AWS;

TM18	operate in idle mode GPS;
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The EUT will be connected to test system (Base Station Simulator) in order to simulate normal operating conditions (with reference to the guidance given in the standard for this type of equipment).

**4.4 Test conditions and test Connections**

**4.4.1 Test Conditions**

The EUT will be connected to test system (Base Station Simulator) in order to simulate normal operating conditions (with reference to the guidance given in the standard for this type of equipment).

**4.4.2 Test connections**

Traffic Mode:

The EUT is required to be in the traffic mode, a call is set up according to the generic call set up procedure and enter the EUT into loop back test mode. (WCDMA see 3GPP TS 34.121, GSM see ETSI TS 151.010).

For WCDMA, the following conditions shall also be met:

Logical Test Interface for details regarding generic call set-up procedure and BER, BLER test loop scenarios:

set and send continuously up power control commands to the UE;

The DTX shall be disabled;

Inner Loop Power Control shall be enabled;

transmitting and/or receiving (UL/DL) bit rate for reference test channel shall be 12.2 kbit / s.

The EUT shall be commanded to operate at maximum transmit power;

For EGSM and DCS, the following conditions shall also be met:

The EUT shall be commanded to operate at maximum transmit power;

The downlink RXQUAL shall be monitored.

Assign channel frequency to an appropriate channel number.

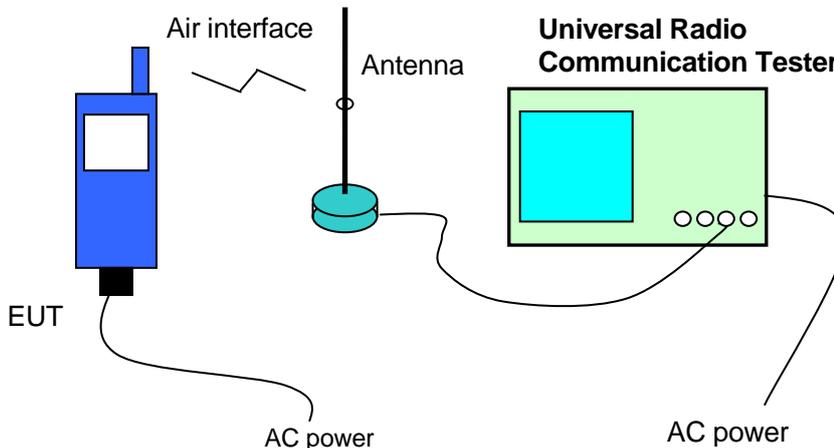


Figure 1.: Test Configuration

Idle Mode:

The EUT is required to be in the idle mode.

For WCDMA, the following conditions shall be met:

UE shall be camped on a cell;

UE shall perform Location Registration (LR) before the test, but not during the test;

UE's neighbour cell list shall be empty;

Paging repetition period and DRX cycle shall be set to minimum (shortest possible time interval).

For GSM850 and PCS1900, the following conditions shall be met::



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When the EUT is required to be in the idle mode, the test system shall simulate a Base Station (BS) with Broadcast Control Channel/Common Control Channel (BCCH/CCCH) on one carrier. The EUT shall be synchronized to the BCCH, listening to the CCCH and able to respond to paging messages. Periodic Location Updating shall be disabled.

## 5 Electromagnetic Interference (EMI)

### 5.1 Radiated Disturbance 30MHz to 18GHz

#### 5.1.1 Test Procedure

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4dB according to the standards: ANSI C63.4. The test distance was 3m. The set-up and test methods were according to ANSI C63.4 .

A preliminary scan and a final scan of the emissions were made from 30 MHz to 18 GHz by using test script of software; the emissions were measured using Quasi-Peak Detector (30MHz~1GHz) and AV detector (above 1GHz). The maximal emission value was acquired by adjusting the antenna height, polarisation and turntable azimuth in accordance with the software setup. Normally, the height range of antenna was 1m to 4m, the azimuth range of turntable was 0° to 360°, The receive antenna has two polarizations V and H.

EUT was configured in idle mode and the test performed at worst emission state.

Measurement bandwidth: 30 MHz – 1000 MHz: 120 k Hz

Measurement bandwidth: 1GHz – 18GHz: 1MHz

Test set up figure:

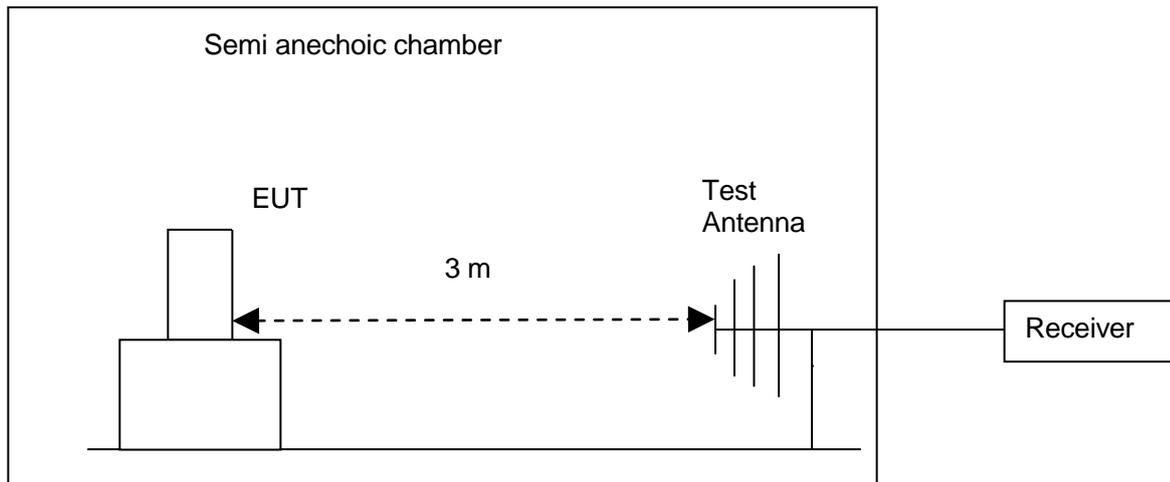


Figure 2. Test set-up

#### 5.1.2 Test Results

The EUT has met the requirements for Radiated Emission of enclosure port.

Test Limits

Frequency of Emission (MHz)	Radiated Limit	
	Unit( $\mu\text{V}/\text{m}$ )	Unit( $\text{dB}\mu\text{V}/\text{m}$ )
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

## 5.2 Conducted Disturbance 0.15 MHz to 30MHz

### 5.2.1 Test Procedure

The Table-top EUT was placed upon a non-metallic table 0.8 m above the horizontal metal reference ground plane. EUT was connected to LISN and LISN was connected to reference Ground Plane. EUT was 80cm from LISN. The set-up and test methods were according to ANSI C63.4.

Conducted Disturbance at AC Port measurements were undertaken on the L and N Lines. The emissions were measured using a Quasi-Peak Detector and Average Detector.

Huawei Mobile Station was communicated with the BTS simulator through Air interface, the BTS simulator controls the Mobile Station to transmitter the maximum power which defined in specification of product. The Mobile Station operated on the typical channel.

Measurement bandwidth (RBW) for 150kHz to 30 MHz: 9 kHz;

Test Set-up figure:

The Mobile Station was setup in the screened chamber and operated under nominal conditions.

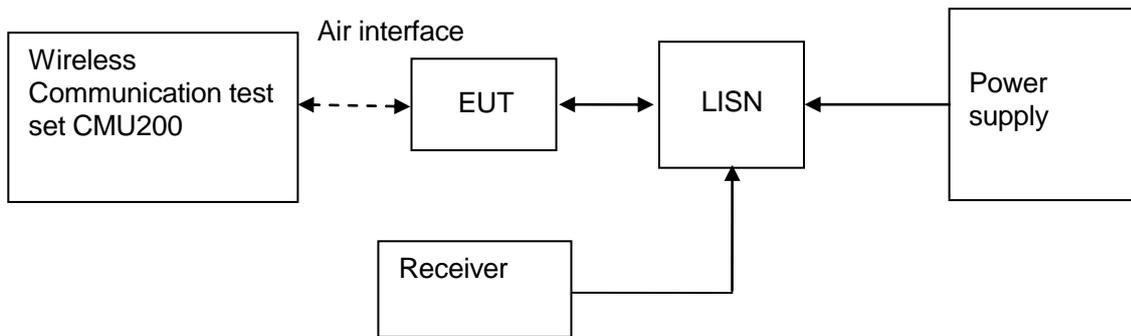


Figure 3. Test Set-up

### 5.2.2 Test Results

The EUT has met requirements for Conducted disturbance of power lines.

Test Limit of DC&AC Power Port

Frequency range	150kHz~ 30MHz	
Classification	Class B	
Limit(Class B)	Voltage limits	
	QP	AV
0.15MHz~0.5MHz	66~56 dB $\mu$ V	56~46 dB $\mu$ V
0.5MHz~5MHz	56 dB $\mu$ V	46 dB $\mu$ V
5MHz~30MHz	60 dB $\mu$ V	50 dB $\mu$ V

### 5.3 Radiated Spurious Emissions

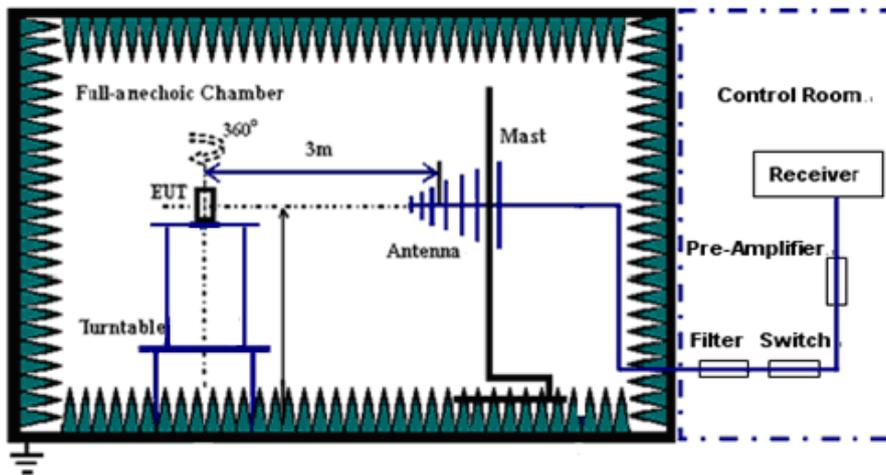
#### 5.3.1 Test Procedure

A test site fulfilling the requirements of ITU-R Recommendation SM329-10 was used. The EUT was placed on a non-conducting support in the anechoic chamber and was operated from a power source via an RF filter to avoid radiation from the power leads.

Step 1:

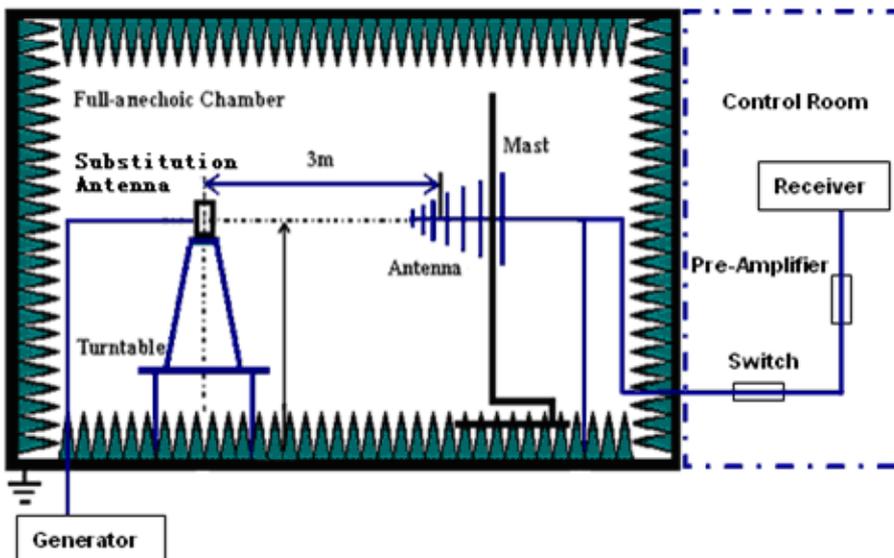
For transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, EIRP shall be measured when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in 2.1033(c)(8). Connect the EUT to the BTS simulator via the air interface.

Test the Radiated maximum output power by the Test Receiver from test antenna.



Step 2:

Use substitution method to verify the maximum output power. The EUT is substituted by a dipole antenna. The dipole is connected to a signal generator. And then adjust the output level of the signal generator to get the same received power recorded in step1 on Test Receiver, and record the power level of Signal Generator. Of course, the cable loss at the test frequency should be compensated.



Test should be performed in normal voltage condition.

According to part 22.917, the defined measurement bandwidth as following:

22.917(b) Measurement procedure: Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater.

Measurement bandwidth (RBW) for 9 kHz up to 150 kHz: 1 kHz;  
Measurement bandwidth (RBW) for 150 kHz up to 30 MHz: 10 kHz;  
Measurement bandwidth (RBW) for 30MHz up to 1 GHz: 100 kHz;  
Measurement bandwidth (RBW) for 1GHz up to 18GHz: 1MHz;

According to RSS-132, the defined measurement bandwidth as following:  
Measurement procedure: Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater.  
Measurement bandwidth (RBW) for 30 MHz up to 1 GHz: 100 kHz;  
Measurement bandwidth (RBW) for 1GHz up to 18 GHz: 1MHz;

Radiated Spurious Emissions Limits

Frequency band	Minimum requirement (E.R.P) traffic mode
9KHz~18GHz	-13dBm

According to part 24.238, the defined measurement bandwidth as following:

24.238(b) Measurement procedure: Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater.

Measurement bandwidth (RBW) for 9 kHz up to 150 kHz: 1 kHz;  
Measurement bandwidth (RBW) for 150 kHz up to 30 MHz: 10 kHz;  
Measurement bandwidth (RBW) for 30MHz up to 26.5GHz: 1MHz;

According to RSS-133, the defined measurement bandwidth as following:  
RSS-133 Measurement procedure: Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater.  
Measurement bandwidth (RBW) for 30 MHz up to 26.5 GHz: 1 MHz;

Radiated Spurious Emissions Limits

Frequency band	Minimum requirement (E.R.P) traffic mode
9KHz~26.5GHz	-13dBm

According to part 27.53, the defined measurement bandwidth as following:

27.53(h) Measurement procedure: Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater.

Measurement bandwidth (RBW) for 9 kHz up to 150 kHz: 1 kHz;  
Measurement bandwidth (RBW) for 150 kHz up to 30 MHz: 10 kHz;  
Measurement bandwidth (RBW) for 30MHz up to 18GHz: 1MHz;

According to RSS-139, the defined measurement bandwidth as following:  
RSS-133 Measurement procedure: Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater.

Measurement bandwidth (RBW) for 30 MHz up to 18 GHz: 1 MHz;

Radiated Spurious Emissions Limits

Frequency band	Minimum requirement (E.R.P) traffic mode
9KHz~18GHz	-13dBm

No peak found in pre- test. All frequency points' margin is bigger than 20dB, so the substitution method isn't used.

Calculation Sample:

Substitution Results

Freq. [MHz]	Measurement Value [dBm]	Substitution Antenna Type	Gain [dBd]	Cable Loss [dB]	Signal Generator Level [dBm]	Substitution Level [dBm]	FCC limit [dBm]	Result

Note: For get the E.R.P. (Efficient Radiated Power) in substitution method, the following formula should take to calculate it,

$$\text{E.R.P. [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

NOTE: SGP- Signal Generator Level

### 5.3.2 Test Results

The EUT has met the requirements of FCC Part22/24/27, RSS-132/133/139.

## 6 Main Test Instruments

Main Test Equipments

Test item	Test Instrument	Model	Manufacturer	Cal-Date	Cal Interval (month)
RE&CE	EMI Test receiver	ESU26	R&S	Jun.25, 2010	12
	Broadband Antenna	VULB 9163	SCHWARZBECK	May.15, 2010	12
	Horn Antenna	HF906	R&S	May.15, 2010	12
	LISN	ENV216	R&S	Jun.25.2010	12
RSE	EMI Test receiver	ESIB26	R&S	May.05, 2010	12
	Horn Antenna	3117	EMCO	Dec.13.2010	12
	Broadband Antenna	CBL 6112B	SCHAFFNER	Dec.11.2010	12
	Horn Antenna	3160	ETS-Lindgren	Dec.23.2010	12
Software Information					
Test Item	Software Name	Manufacturer	Version		
RE/CE	ES-K1	R&S	1.7.1		
RSE	EMC32	R&S	V8.10.10		

## 7 System Measurement Uncertainty

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 were:

System Measurement Uncertainty

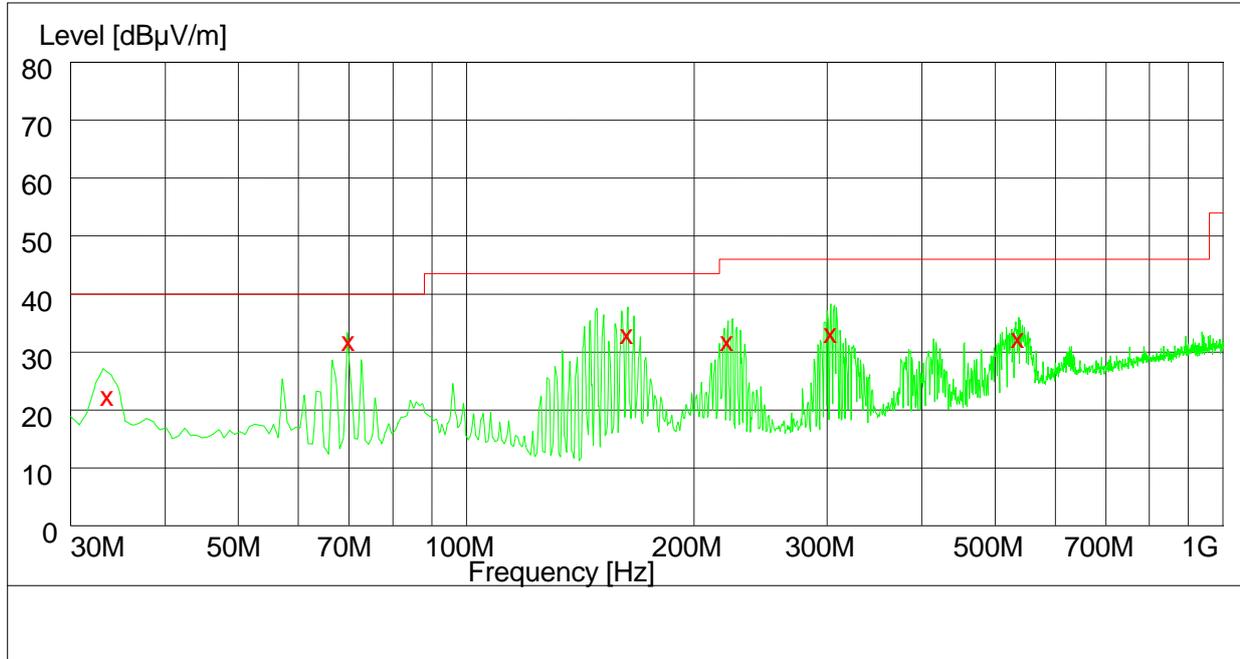
Items		Extended Uncertainty
RE	Field strength (dB $\mu$ V/m)	U=4.1dB; k=2(30MHz-1GHz)
RE	Field strength (dB $\mu$ V/m)	U=4.1dB; k=2(1GHz-18GHz)
RSE	ERP (dBm)	U=2.2dB; k=2
CE	Disturbance Voltage (dB $\mu$ V)	U=3.4dB; k=2

## 8 Graph and Data of Emission Test

### 8.1 Radiated Disturbance

This test was carried out in all the test modes, here only the worst test result was shown.

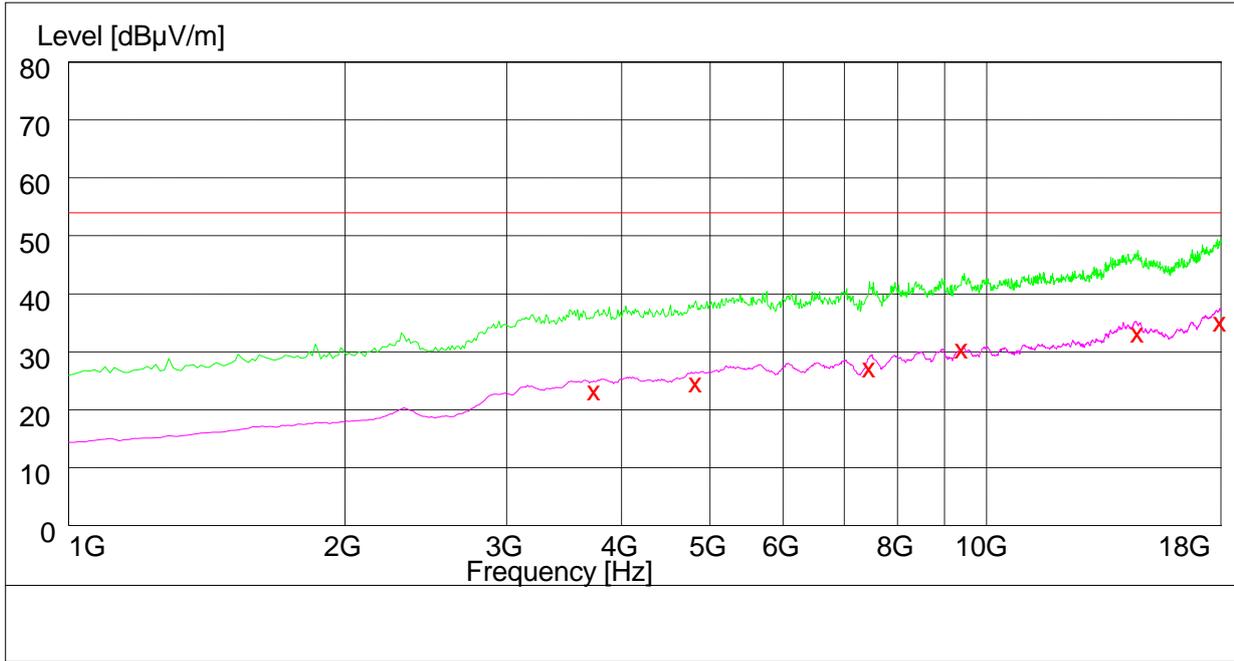
#### 30MHz-1GHz



#### MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
33.584000	20.70	11.7	40.0	19.3	103.0	247.00	VERTICAL
69.936000	30.60	8.4	40.0	9.4	100.0	56.00	VERTICAL
163.112000	34.30	9.7	43.5	9.2	103.0	309.00	VERTICAL
221.372000	29.90	13.0	46.0	16.1	122.0	38.00	VERTICAL
303.212000	34.50	15.6	46.0	11.5	103.0	81.00	HORIZONTAL
536.604000	30.70	21.1	46.0	15.3	103.0	201.00	VERTICAL

**1GHz-18GHz**

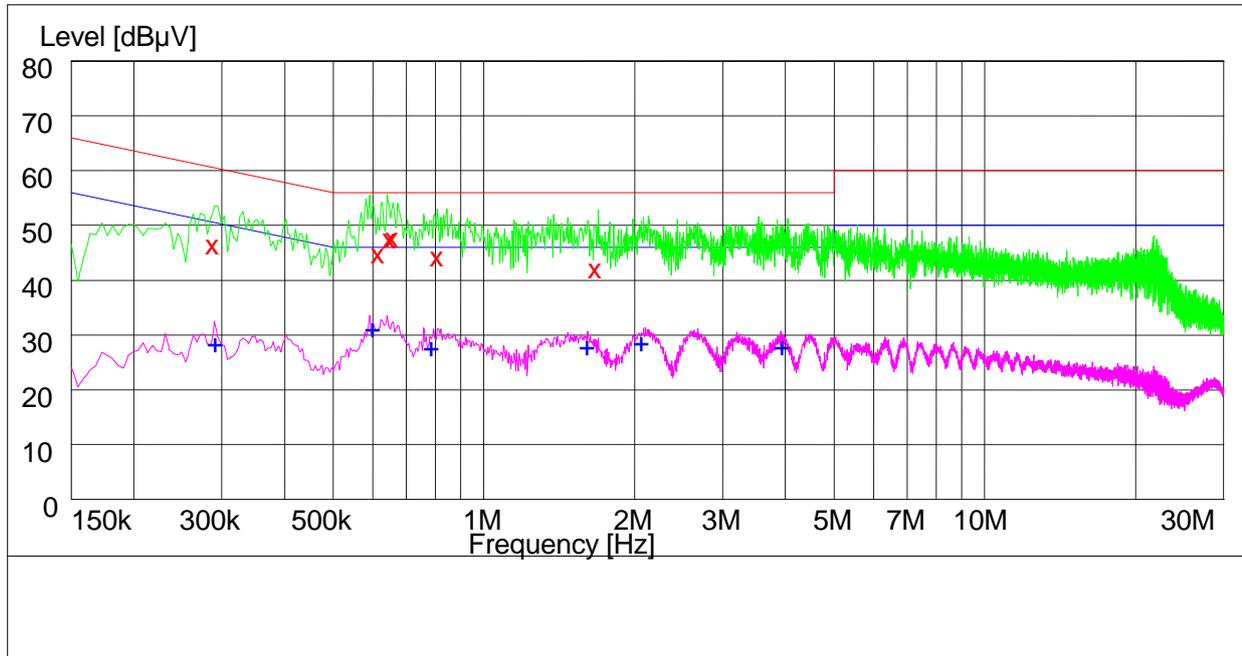


**MEASUREMENT RESULT: AV Detector**

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
3738.000000	24.50	-6.6	54.0	29.5	100.0	216.00	HORIZONTAL
4822.500000	25.80	-4.1	54.0	28.2	174.0	224.00	HORIZONTAL
7456.000000	28.40	1.3	54.0	25.6	126.0	304.00	VERTICAL
9398.000000	30.30	4.8	54.0	23.7	148.0	359.00	HORIZONTAL
14604.000000	34.40	12.1	54.0	19.6	110.0	315.00	VERTICAL
17980.000000	36.40	17.2	54.0	17.6	100.0	211.00	HORIZONTAL

## 8.2 Conducted Disturbance

This test was carried out in all the test modes, here only the worst test result was shown.



### MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.288000	47.80	10.0	61	13.2	N	FLO
0.616000	46.10	10.1	56	9.9	N	FLO
0.648000	48.80	10.1	56	7.2	N	FLO
0.658000	49.10	10.1	56	6.9	N	FLO
0.806000	45.60	10.1	56	10.4	N	FLO
1.672000	43.40	10.1	56	12.6	N	FLO

### MEASUREMENT RESULT: AV Detector

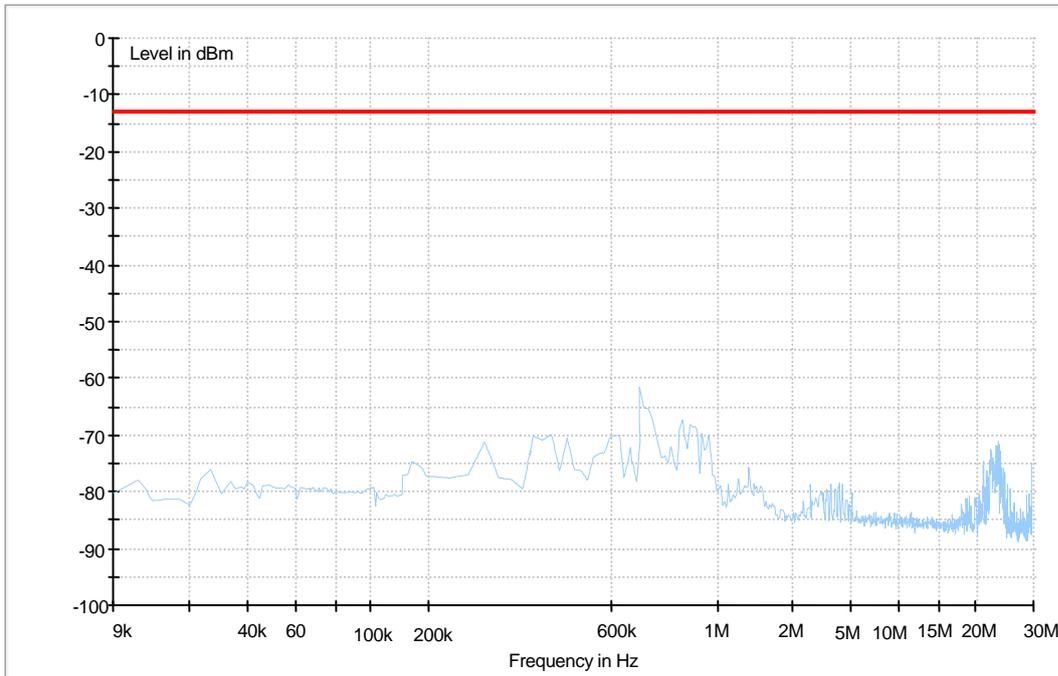
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.290000	29.80	10.0	51	20.3	N	FLO
0.598000	31.50	10.1	46	14.5	N	FLO
0.784000	28.70	10.1	46	17.3	N	FLO
1.606000	29.30	10.1	46	16.7	N	FLO
2.060000	30.00	10.1	46	16.0	N	FLO
3.932000	29.20	10.2	46	16.8	N	FLO

### 8.3 Radiated Spurious Emission

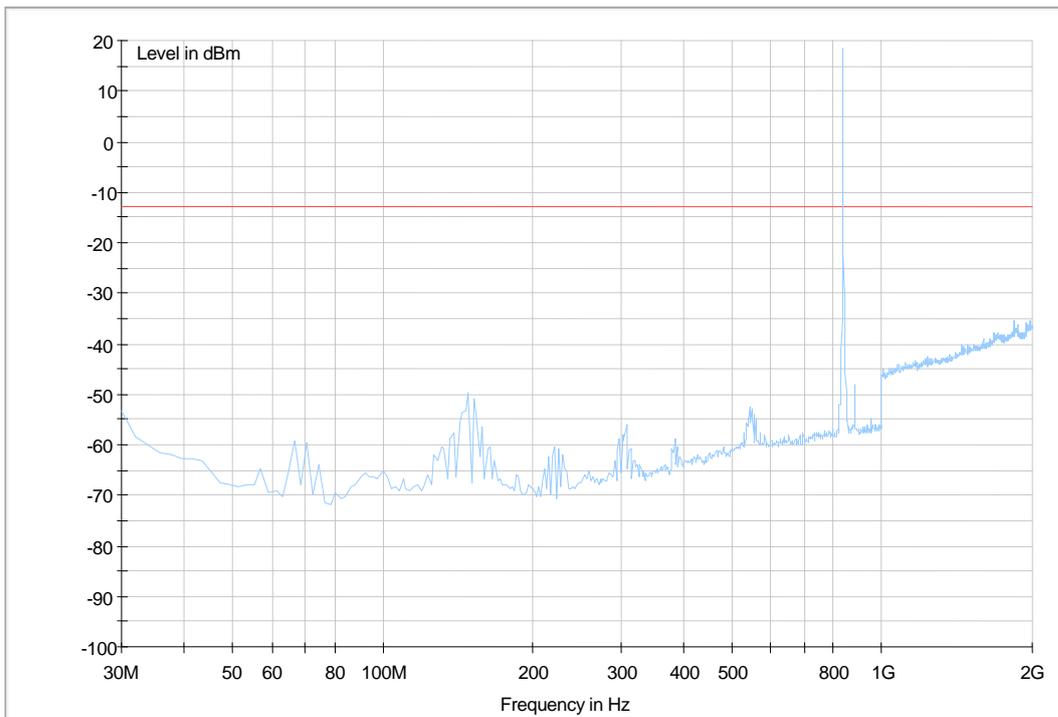
This test results are the maximum level of radiated spurious emissions in vertical and horizontal polarity. The highest peak exceeds the limit line is carrier frequency

#### 8.3.1 For GSM 850

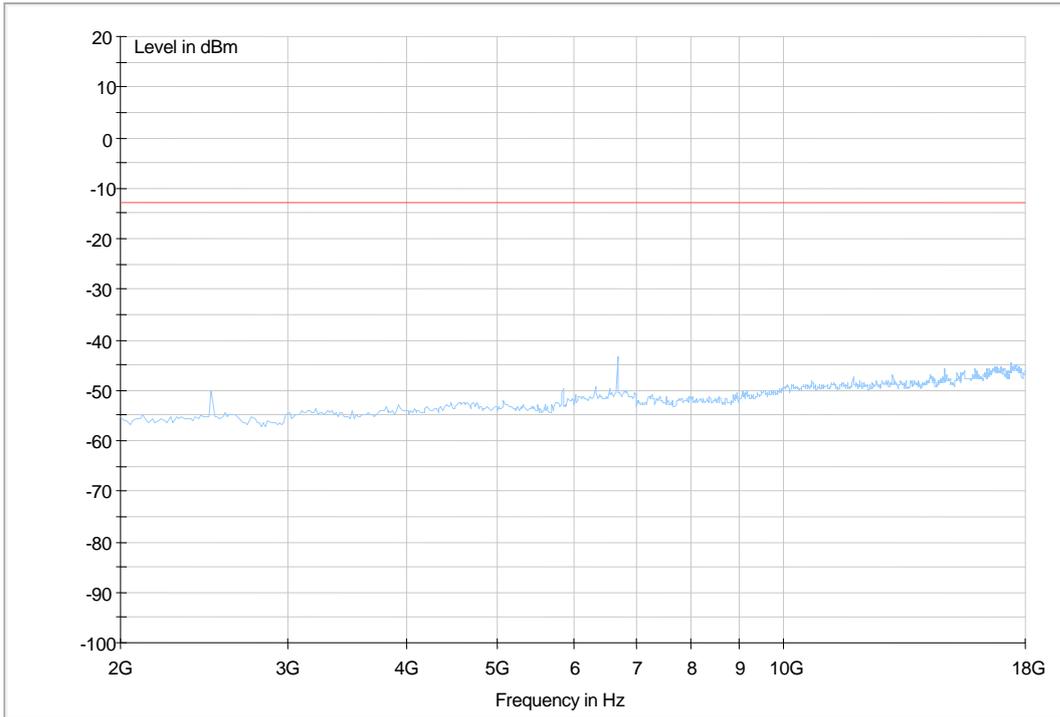
Traffic Mode (9kHz-30MHz)



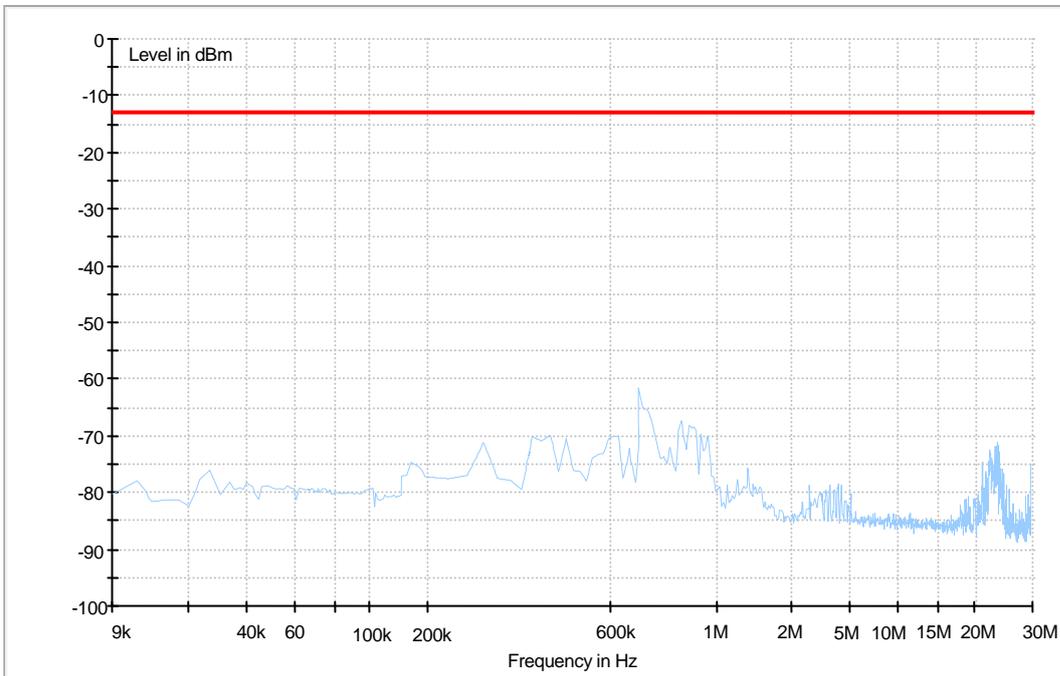
Traffic Mode (30MHz-2GHz)



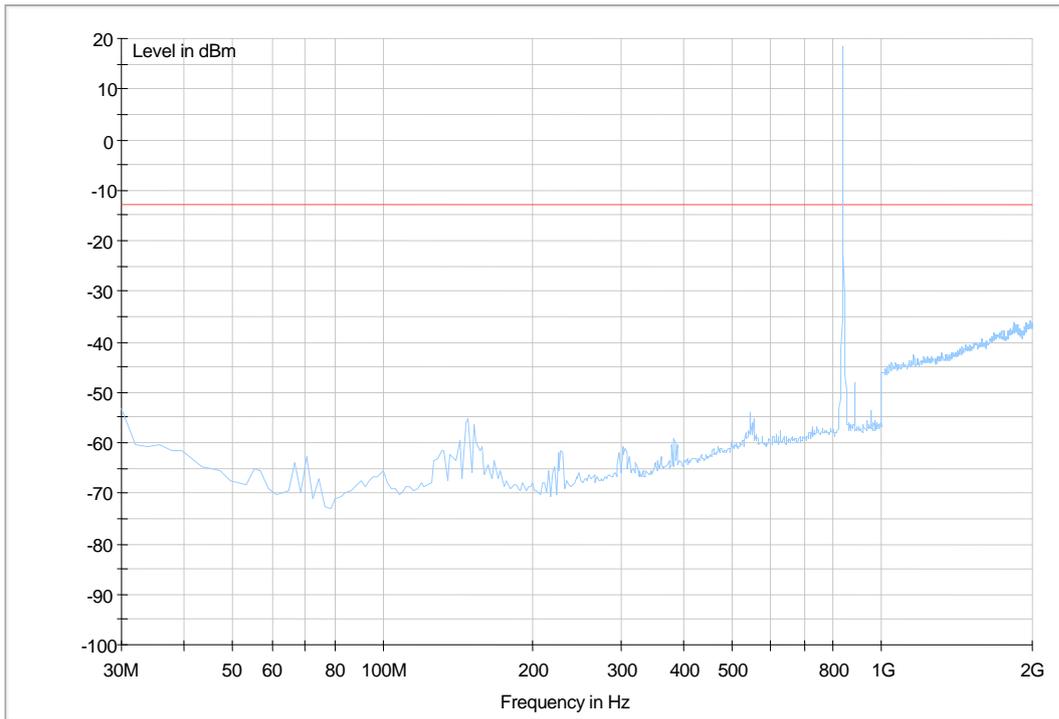
Traffic Mode (2GHz-18GHz)



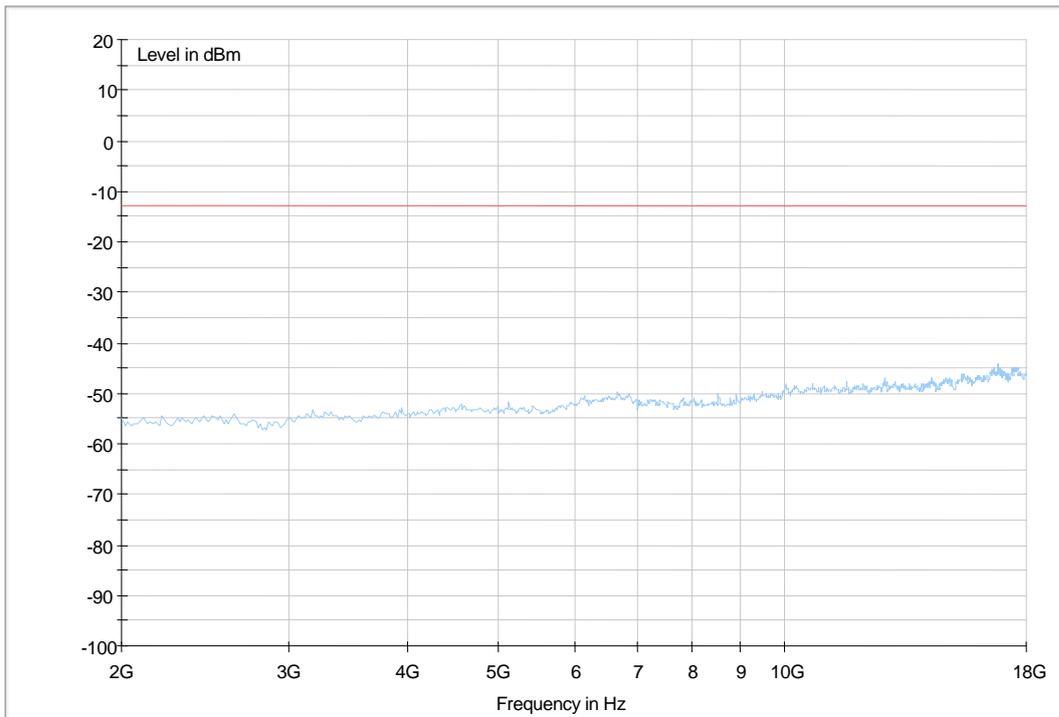
**8.3.2 For GPRS 850**  
Traffic Mode (9kHz-30MHz)



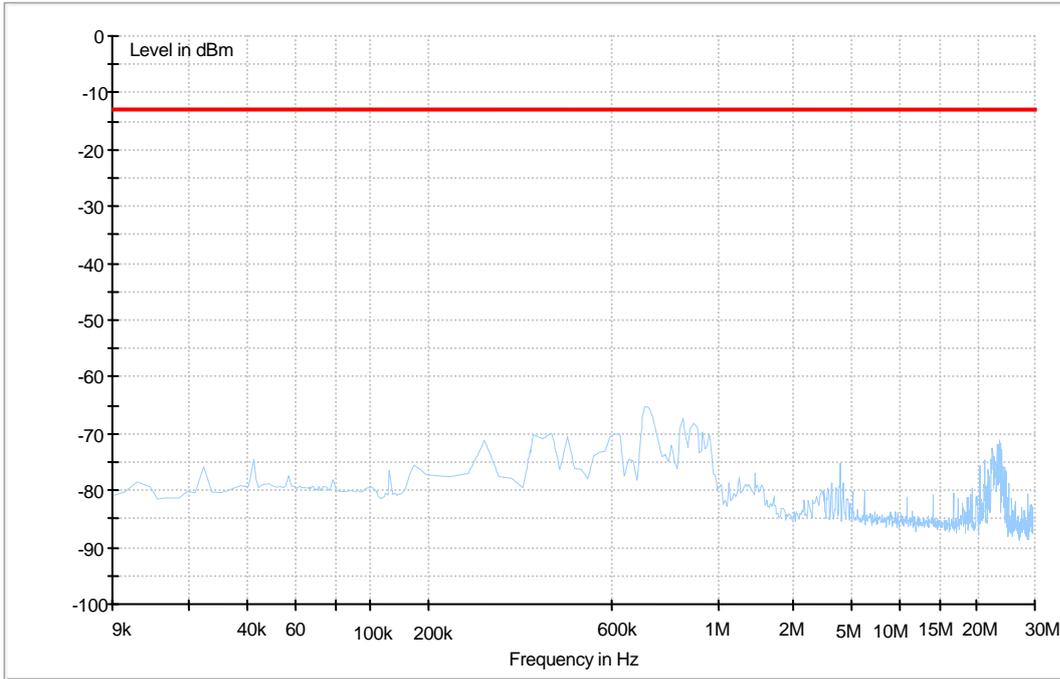
Traffic Mode (30MHz-2GHz)



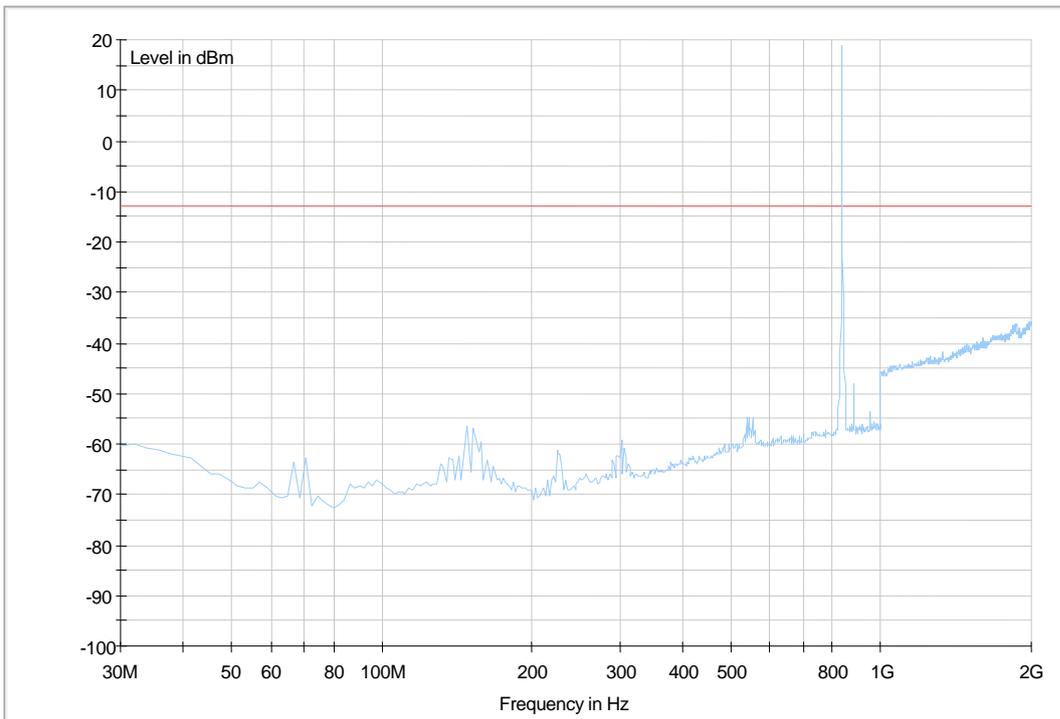
Traffic Mode (2GHz-18GHz)



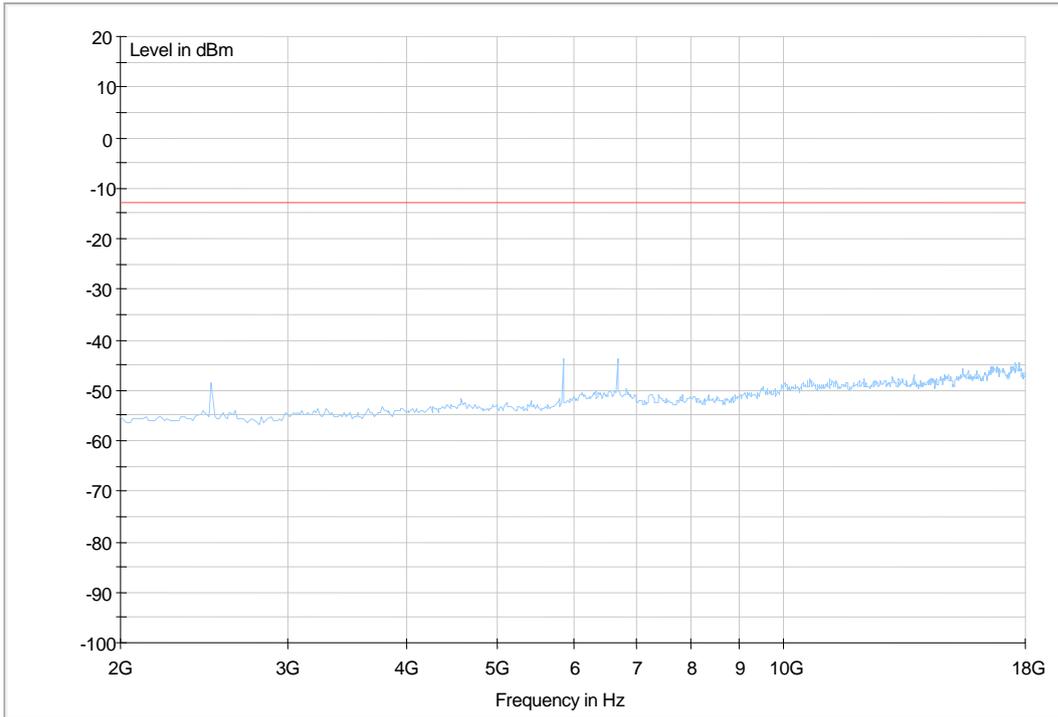
### 8.3.3 For EDGE 850 Traffic Mode (9kHz-30MHz)



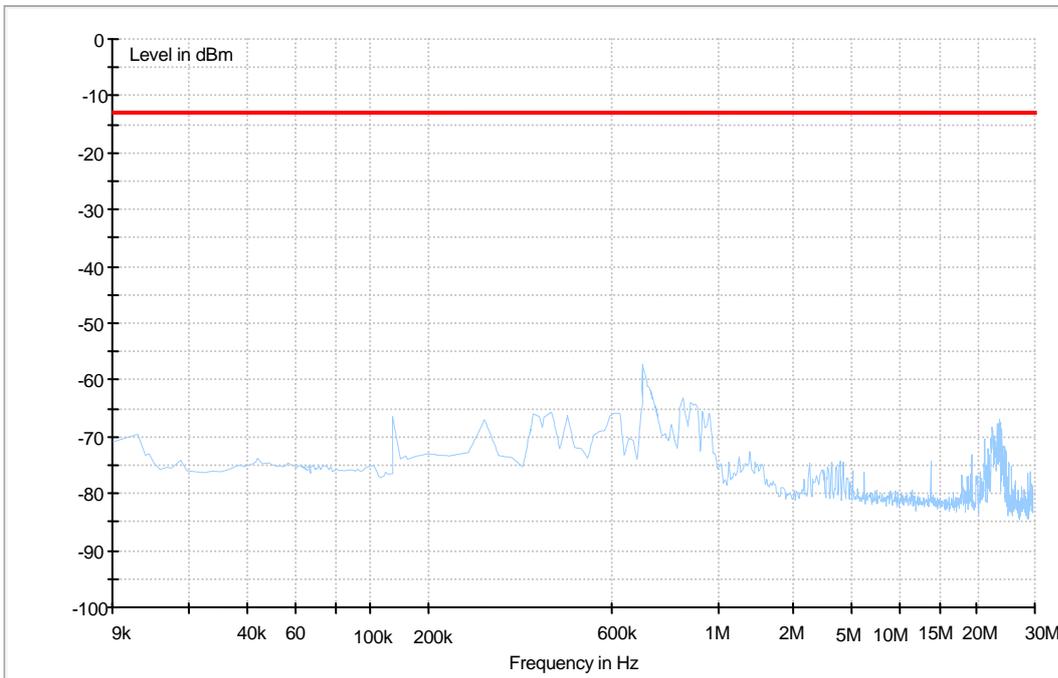
### Traffic Mode (30MHz-2GHz)



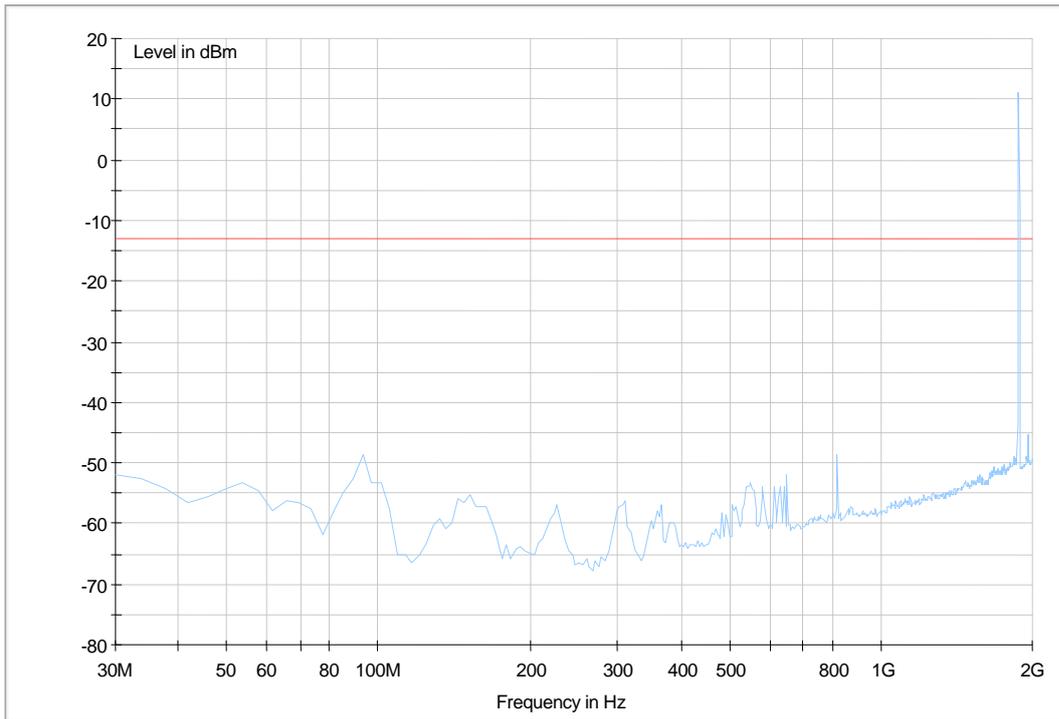
Traffic Mode (2GHz-18GHz)



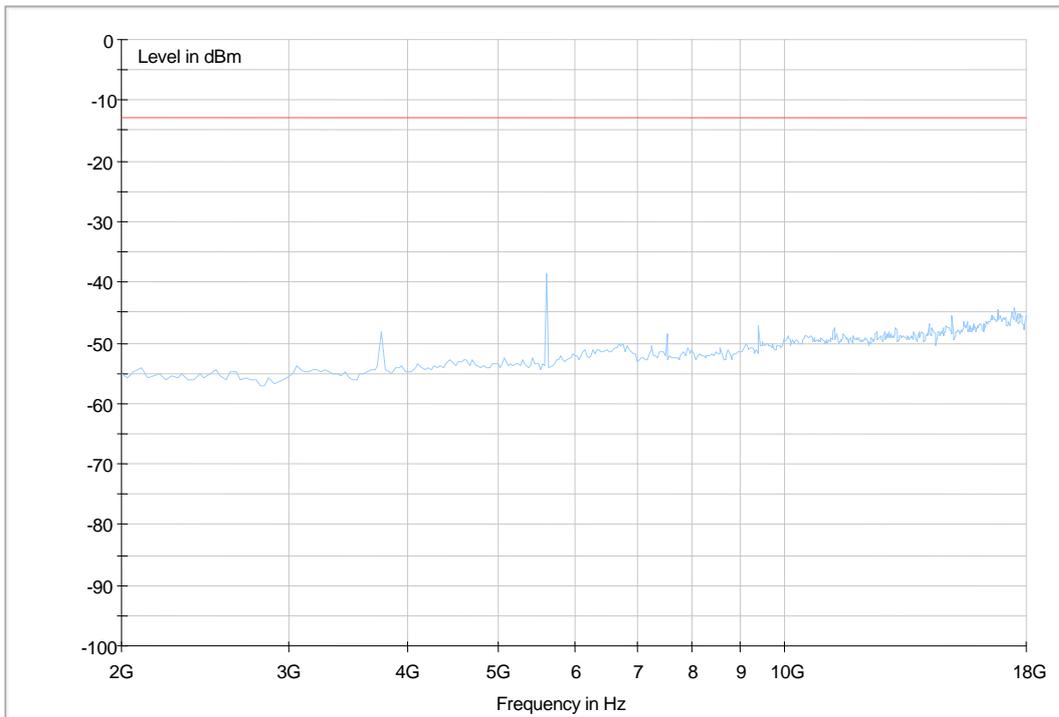
**8.3.4 For GSM 1900**  
Traffic Mode (9kHz-30MHz)



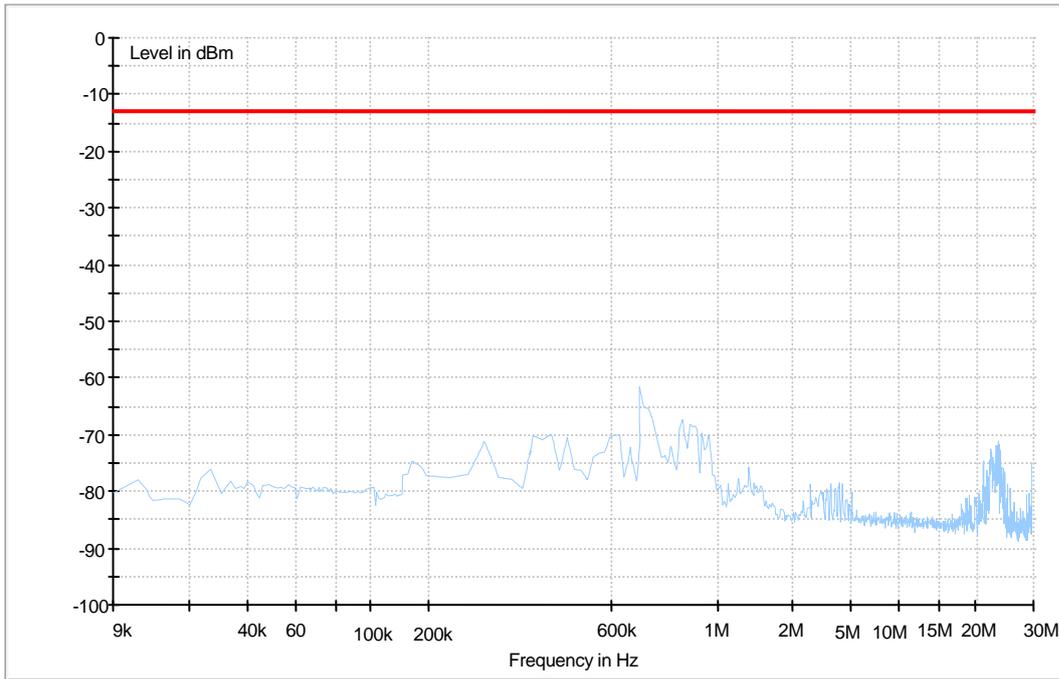
Traffic Mode (30MHz-2GHz)



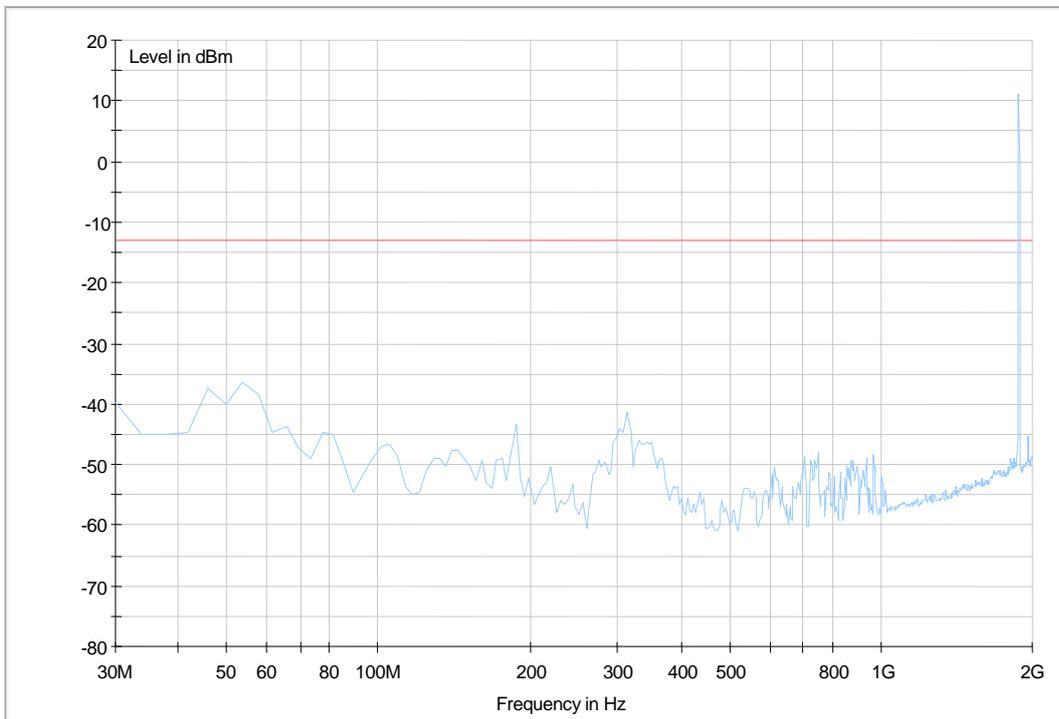
Traffic Mode (2GHz-18GHz)



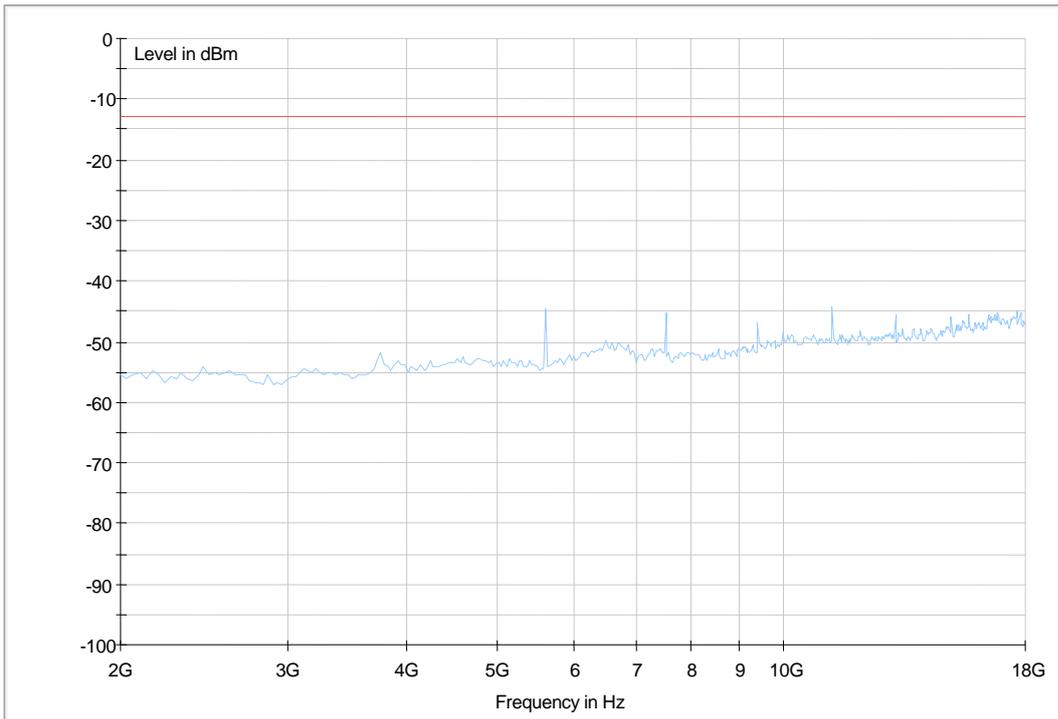
### 8.3.5 For GPRS 1900 Traffic Mode (9kHz-30MHz)



### Traffic Mode (30MHz-2GHz)

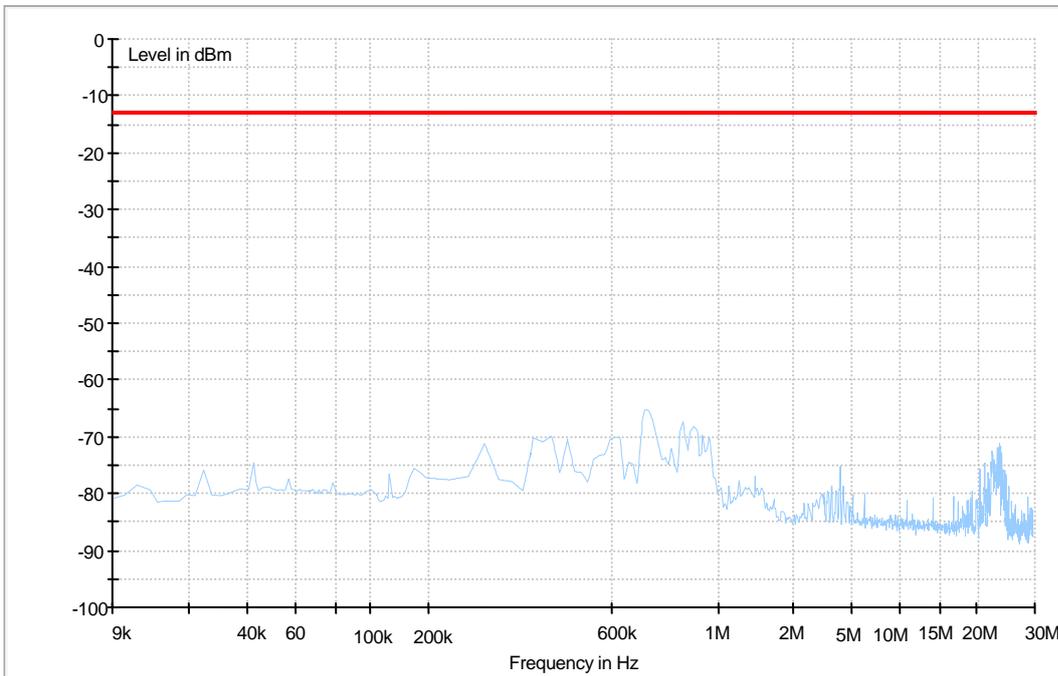


Traffic Mode (3GHz-18GHz)

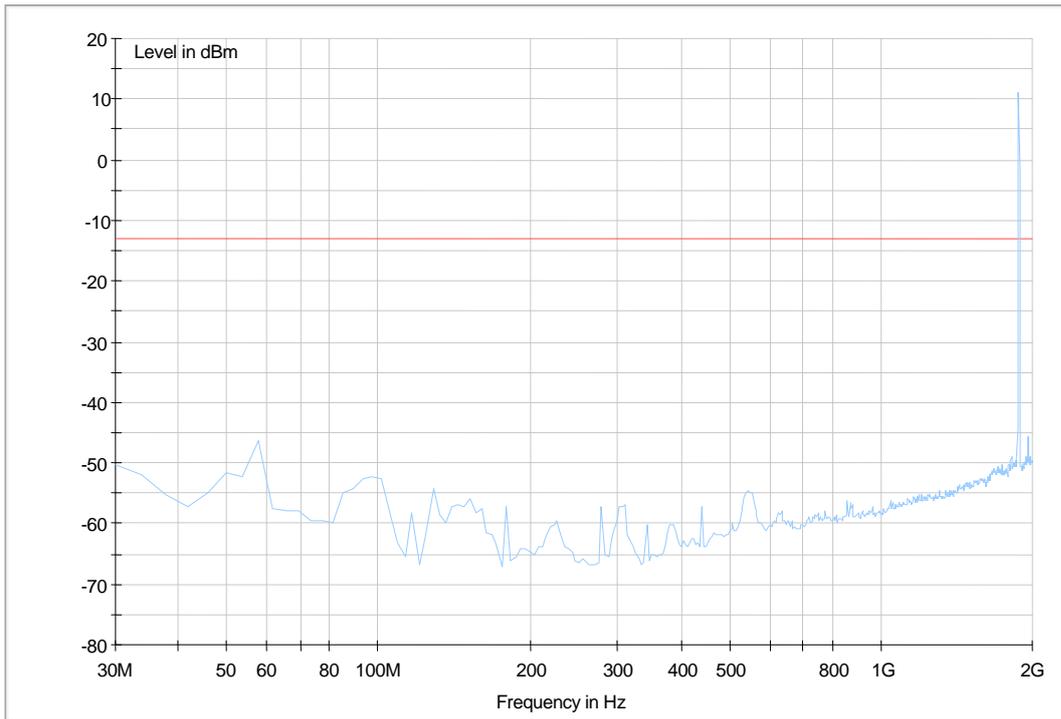


8.3.6 For EDGE 1900

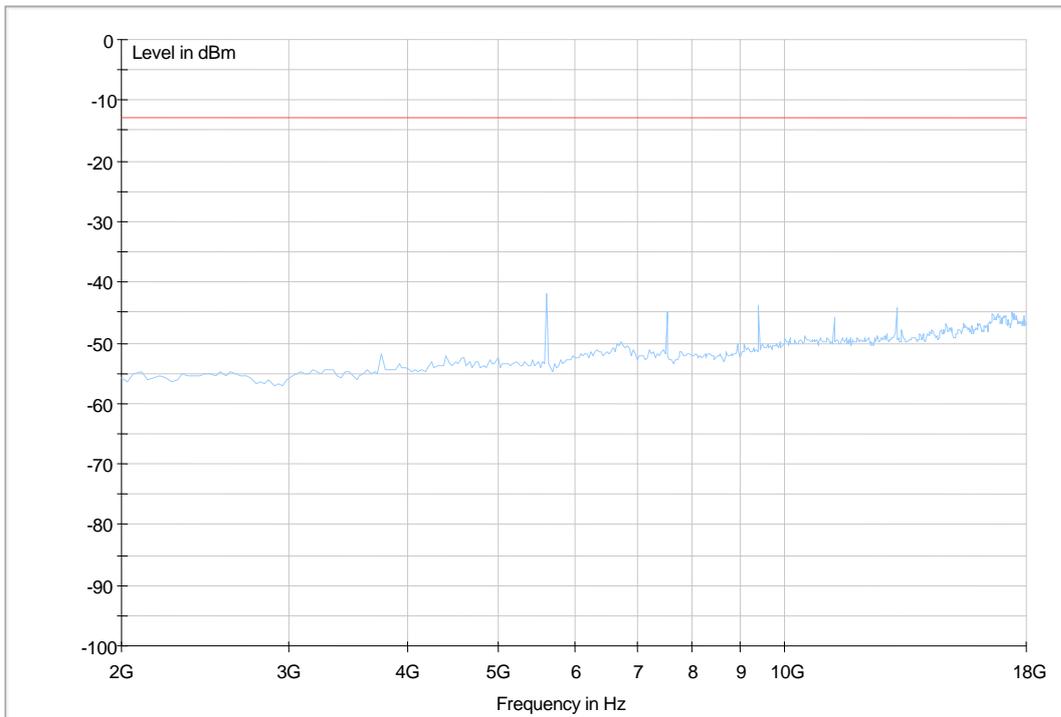
Traffic Mode (9kHz-30MHz)



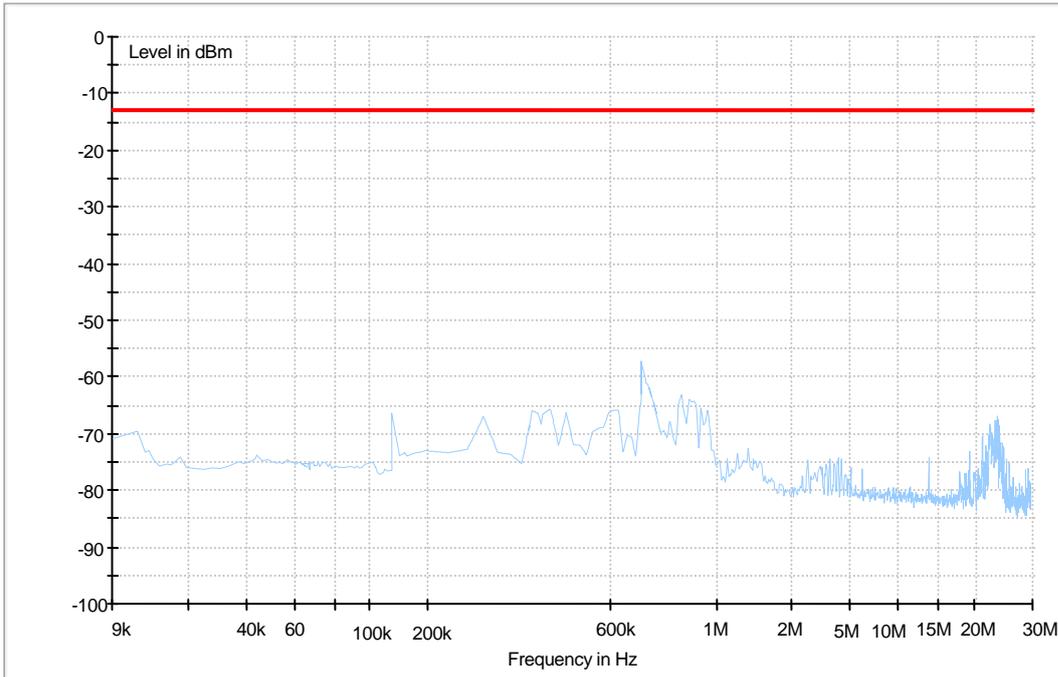
Traffic Mode (30MHz-3GHz)



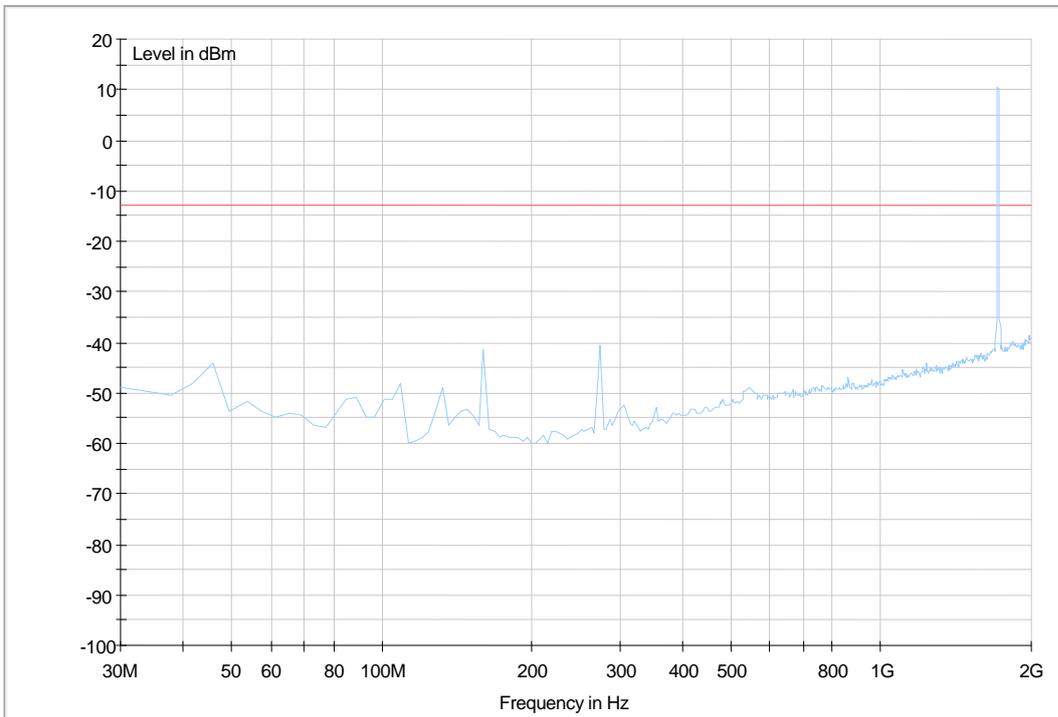
Traffic Mode (3GHz-18GHz)



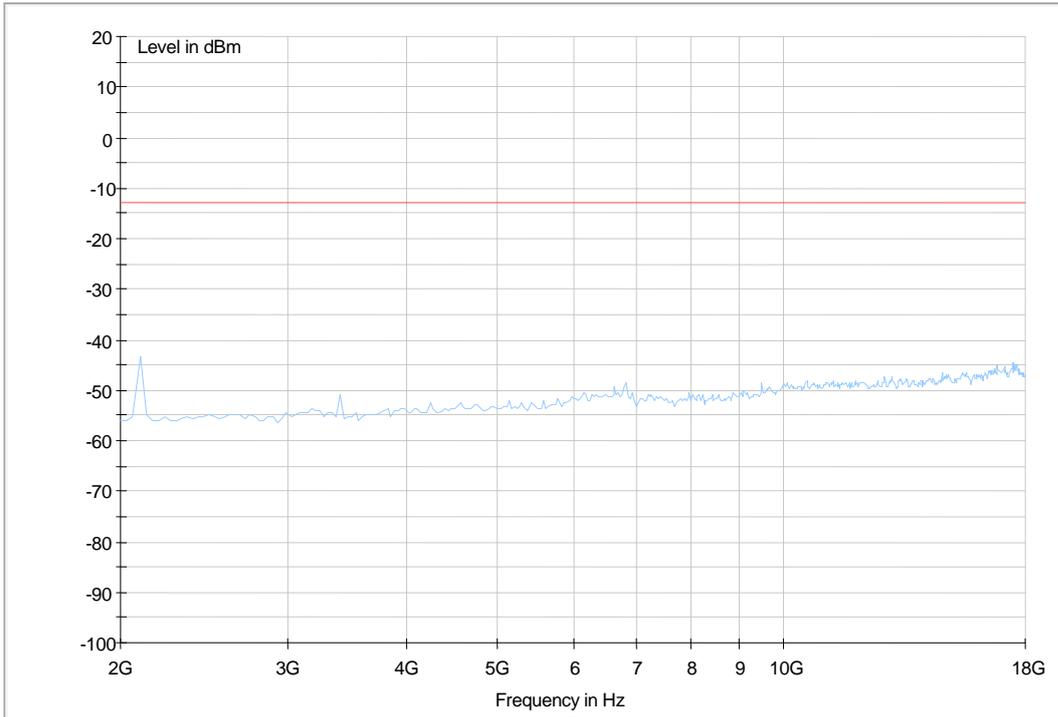
**8.3.7 For WCDMA AWS**  
**8.3.8 Traffic Mode (9kHz-30MHz)**



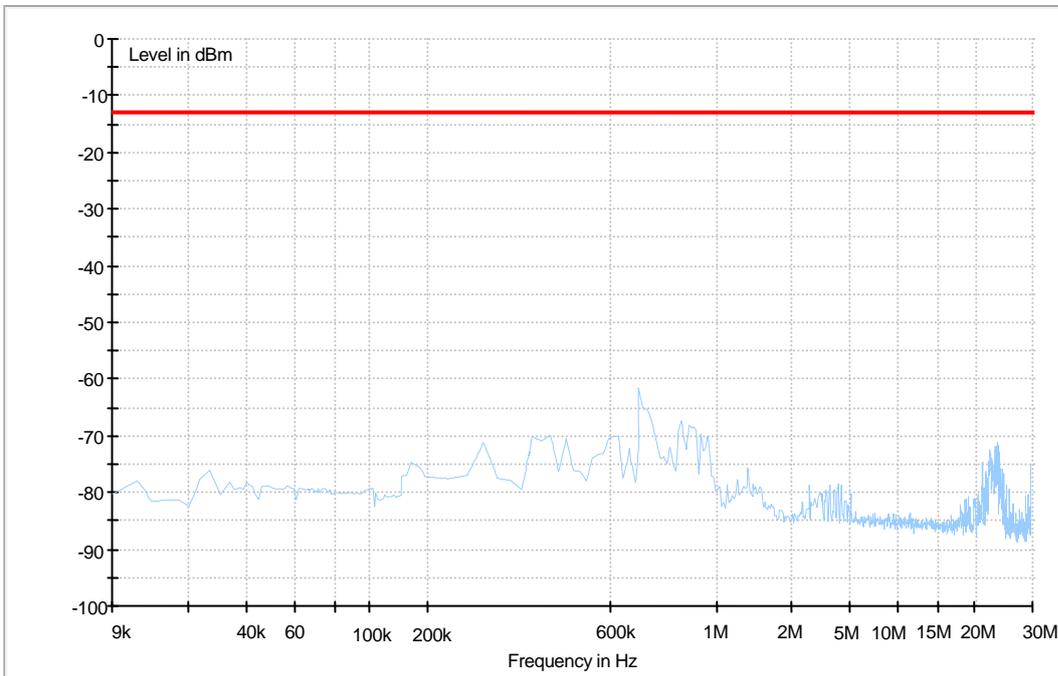
**Traffic Mode (30MHz-2GHz)**



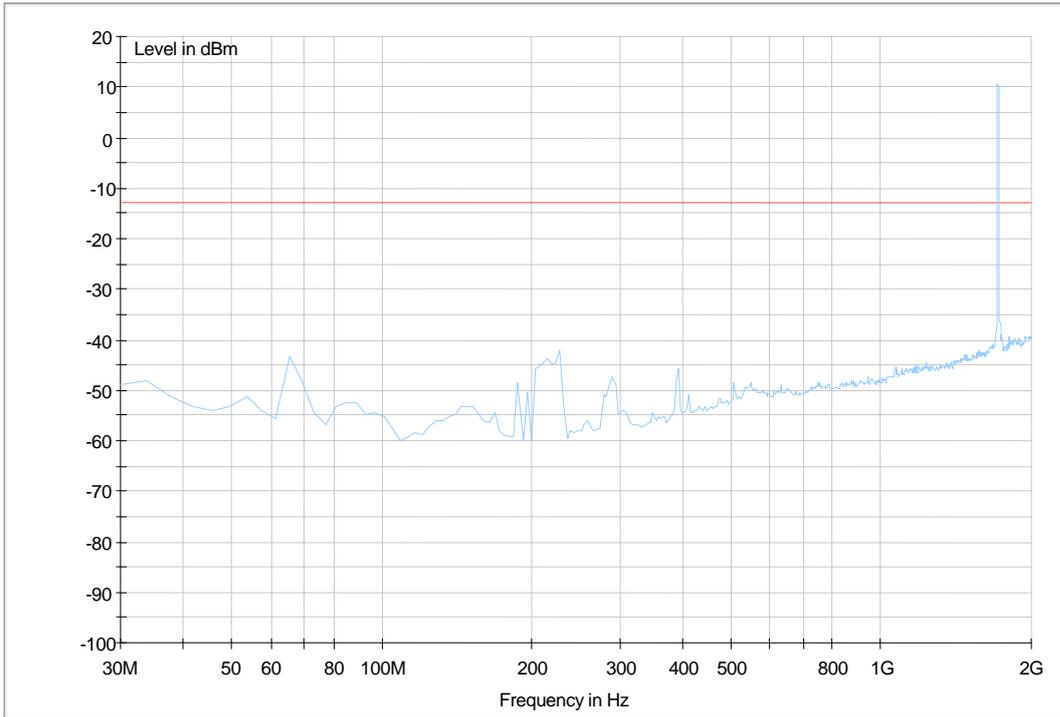
Traffic Mode (2GHz-18GHz)



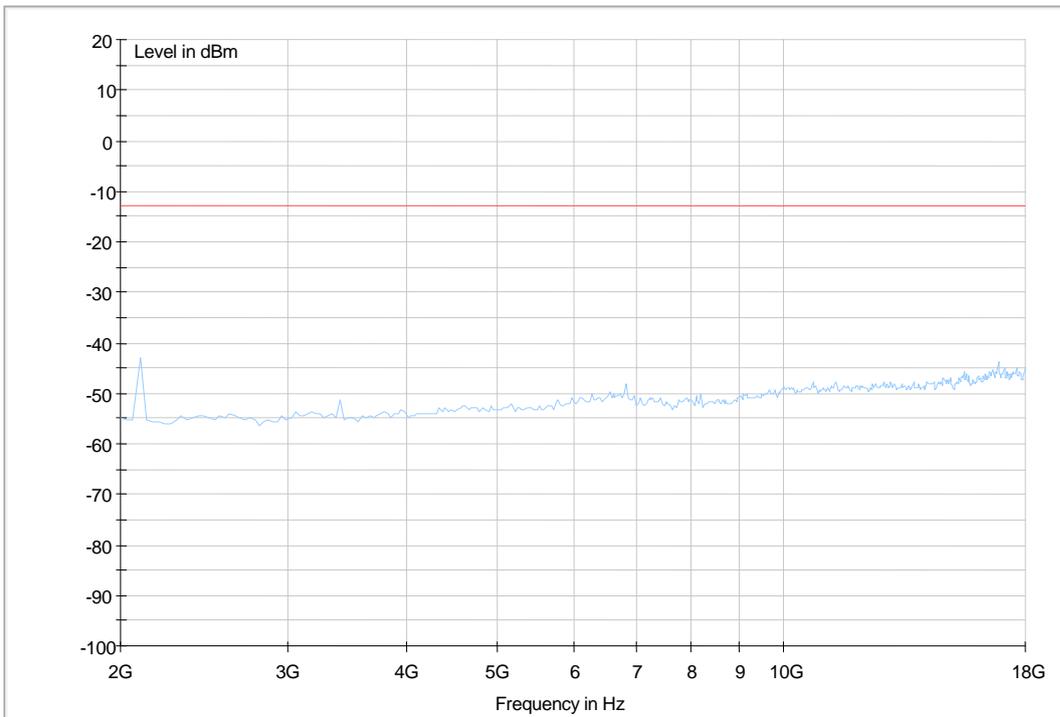
**8.3.9 For HSDPA AWS**  
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-2GHz)



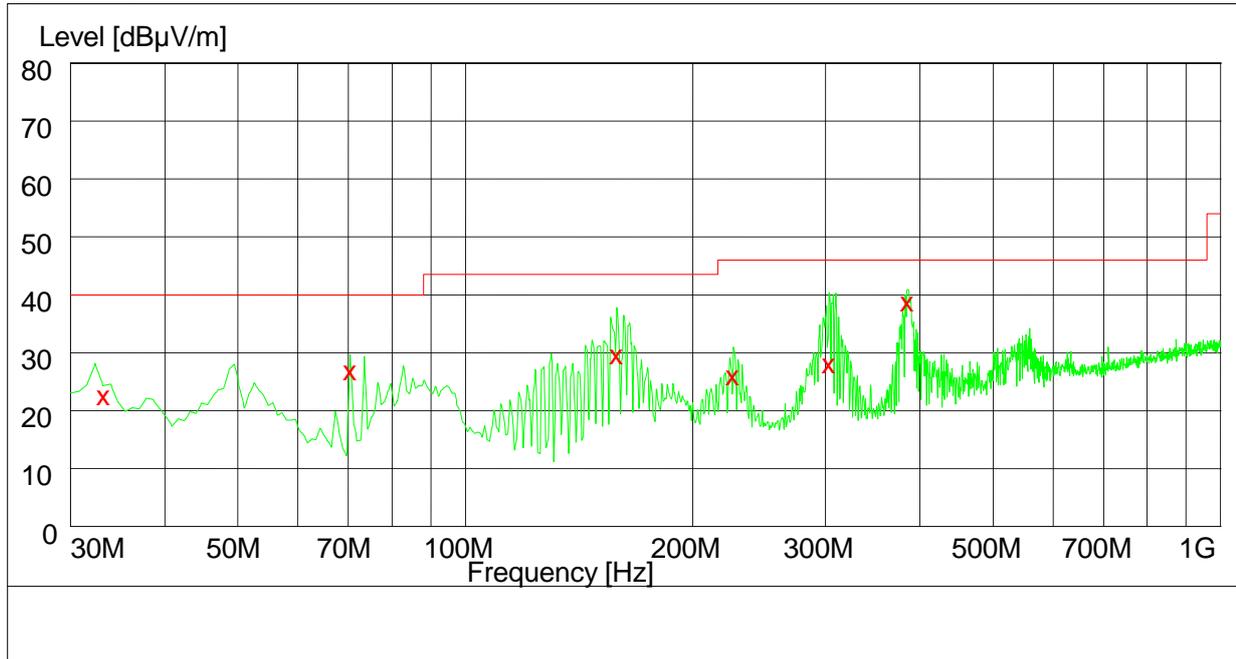
Traffic Mode (2GHz-18GHz)



### 8.4 Receiver Spurious Emission

This test was carried out in all the test modes, but only the worst test result was given below.

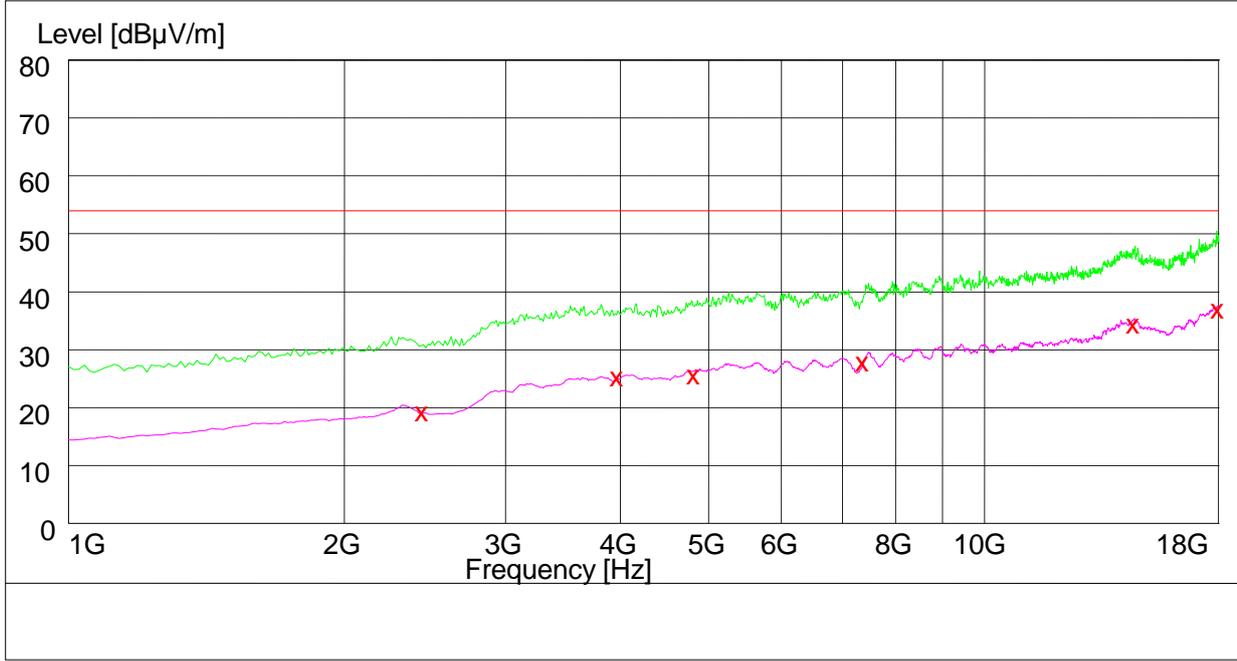
#### 30MHz-1GHz



#### MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
33.228000	23.90	11.7	40.0	16.1	100.0	55.00	VERTICAL
70.472000	28.10	8.3	40.0	11.9	200.0	38.00	VERTICAL
158.636000	30.90	9.5	43.5	12.6	100.0	342.00	VERTICAL
226.204000	27.30	13.3	46.0	18.7	100.0	169.00	VERTICAL
303.148000	29.40	15.6	46.0	16.6	111.0	189.00	HORIZONTAL
385.228000	40.00	17.7	46.0	6.0	100.0	318.00	HORIZONTAL

**1GHz-18GHz**



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
2432.000000	20.50	-11.4	54.0	33.5	178.0	79.00	HORIZONTAL
3970.500000	26.50	-5.9	54.0	27.5	101.0	101.00	VERTICAL
4812.000000	26.80	-3.8	54.0	27.2	123.0	165.00	VERTICAL
7366.000000	29.20	0.8	54.0	24.8	146.0	356.00	HORIZONTAL
14525.000000	34.70	12.3	54.0	19.3	102.0	201.00	HORIZONTAL
17974.000000	36.80	17.1	54.0	17.2	139.0	328.00	HORIZONTAL

-----**END**-----