Social Mobile Telecommunications

GSM MOBILE PHONE

Main Model: FOX FB103 Serial Model: N/A

July 06, 2012
Report No.: 12070131-FCC-R2
(This report supersedes NONE)



Modifications made to the product: None

This Test Report is Issued Under the Authority of:

Chris Bi
Compliance Engineer

Chris Bi
Technical Manager

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Test result presented in this test report is applicable to the representative sample only.

RF Test Report





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| Country/Region | Accreditation Body | Scope |
|----------------|------------------------|-----------------------------------|
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| Canada | IC, A2LA, NIST | EMC, RF/Wireless, Telecom |
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Accreditations for Product Certifications

| Country/Region | Accreditation Body | Scope |
|----------------|--------------------|-----------------------|
| USA | FCC TCB, NIST | EMC, RF, Telecom |
| Canada | IC FCB , NIST | EMC, RF, Telecom |
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| EU | NB | EMC & R&TTE Directive |
| Japan | MIC, (RCB 208) | RF, Telecom |
| Hong Kong | OFTA (US002) | RF, Telecom |



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EXECUTIVE SUMMARY & EUT INFORMATION

The purpose of this test programme was to demonstrate compliance of the Social Mobile Telecommunications, GSM MOBILE PHONE and model: FOX FB103 against the current Stipulated Standards. The GSM MOBILE PHONE has demonstrated compliance with the FCC 15.247: 2012, ANSI C63.4: 2003.

EUT Information

EUT

GSM MOBILE PHONE

Description Main Model

FOX FB103

Serial Model

: N/A

Antenna Gain

GSM850: 0 dBi

PCS1900: 0 dBi Bluetooth: 1 dBi

Adapter:

Model: PC103

Input: AC100-240V 50/60Hz 0.1A

Input Power

Output: DC5.0V-500mA

Li-ion Battery:

Charge Limit: 4.2Vdc Voltage: 3.7V, 550mAh

Classification

Per Stipulated FCC 15.247: 2012 **Test Standard** ANSI C63.4: 2003



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| | 2 TECHNICAL DETAILS |
|---------------------------------|--|
| Purpose | Compliance testing of GSM MOBILE PHONE with stipulated standard |
| Applicant / Client | Social Mobile Telecommunications 801 NE 167th St. Suite#314 North Miami Beach, FL 33162 |
| Manufacturer | Shenzhen Gehua Electronics Co.,Ltd. Room 16c, Block A, Winder Modern, Futian District, Shenzhen |
| Laboratory performing the tests | SIEMIC Nanjing (China) Laboratories NO.2-1,Longcang Dadao, Yuhua Economic Development Zone, Nanjing, China Tel:+86(25)86730128/86730129 Fax:+86(25)86730127 Email:info@siemic.com |
| Test report reference number | 12070131-FCC-R2 |
| Date EUT received | June 12, 2012 |
| Standard applied | FCC 15.247: 2012 ANSI C63.4: 2003 |
| Dates of test (from – to) | June 19 to June 21, 2012 |
| No of Units | #1 |
| Equipment Category | DSS |
| Trade Name | SOCIAL |
| RF Operating Frequency (ies) | GSM850 TX : 824.2 ~ 848.8 MHz; RX :869.2 ~ 893.8 MHz PCS1900 TX : 1850.2 ~ 1909.8 MHz; RX :1930.2 ~ 1989.8 MHz Bluetooth: 2402-2480MHz |
| Number of Channels | 300CH (PCS1900) and 125CH (GSM850) Bluetooth: 79 CH |
| Modulation | GSM / GPRS: GMSK Bluetooth: GFSK |
| FCC ID | Z6RFOXFB103 |



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3 MODIFICATION

NONE

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TEST SUMMARY

The product was tested in accordance with the following specifications. All testing has been performed according to below product classification:

Spread Spectrum System/Device

Test Results Summary

| | 1 est Hestites Summary | | | |
|---------------------------------|--------------------------------|------------------|-------------|--|
| Test Standard | Description | Product Class | Pass / Fail | |
| §15.247(i), §2.1093 | RF Exposure | See Above | Pass | |
| §15.203 | Antenna Requirement | See Above | Pass | |
| §15.207(a) | AC Line Conducted Emissions | See Above | Pass | |
| §15.205, §15.209, §15.247(d) | Radiated Emissions | See Above | Pass | |
| §15.247(a)(1) | 20 dB Bandwidth | See Above | Pass | |
| §15.247(a)(1) | Channel Separation | See Above | Pass | |
| §15.247(a)(1)(iii) | Time of Occupancy (Dwell Time) | See Above | Pass | |
| §15.247(a)(1)(iii) | Quantity of Hopping Channel | See Above | Pass | |
| §15.247(b)(1) | Peak Output Power | See Above | Pass | |
| §15.247(d) | Band Edge | See Above | Pass | |



MEASUREMENTS, EXAMINATION AND DERIVED RESULTS

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5.1 §15.247 (i) and §2.1093 – RF Exposure

Standard Requirement:

According to §15.247 (i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Table 2 - Summary of SAR Evaluation Requirements for a Cell Phone with Multiple Transmitters

| Table 2 – Summary of SAR Evaluation Requirements for a Cell Phone with Multiple Transmitters | | | | | | | |
|--|--|--|--|--|--|--|--|
| | Individual Transmitter | Simultaneous Transmission | | | | | |
| Licensed Transmitters | Routine evaluation required | SAR not required: Unlicensed only | | | | | |
| Unlicensed Transmitters | When there is no simultaneous transmission — o output ≤ 60/f: SAR not required o output > 60/f: stand-alone SAR required When there is simultaneous transmission — Stand-alone SAR not required when o output ≤ 2·P _{Ref} and antenna is ≥ 5.0 cm from other antennas o output ≤ P _{Ref} and antenna is ≥ 2.5 cm from other antennas o output ≤ P _{Ref} and antenna is < 2.5 cm from other antennas o output ≤ P _{Ref} and antenna is < 2.5 cm from other antennas, each with either output power ≤ P _{Ref} or 1-g SAR < 1.2 W/kg Otherwise stand-alone SAR is required When stand-alone SAR is required o test SAR on highest output channel for each wireless mode and exposure condition o if SAR for highest output channel is > 50% of SAR limit, evaluate all channels according to normal procedures | o when stand-alone 1-g SAR is not required and antenna is ≥ 5 cm from other antennas Licensed & Unlicensed o when the sum of the 1-g SAR is < 1.6 W/kg for all simultaneous transmitting antennas o when SAR to peak location separation ratio of simultaneous transmitting antenna pair is < 0.3 SAR required: Licensed & Unlicensed antenna pairs with SAR to peak location separation ratio ≥ 0.3; test is only required for the configuration that results in the highest SAR in stand-alone configuration for each wireless mode and exposure condition Note: simultaneous transmission exposure conditions for head and body can be different for different style phones; therefore, different test requirements may apply | | | | | |
| Jaw, Mouth and Nose | Flat phantom SAR required o when measurement is required in tight regions of SAM and it is not feasible or the results can be questionable due to probe tilt, calibration, positioning and orientation issues o position rectangular and clam-shell phones according to flat phantom procedures and conduct SAR measurements for these specific locations | When simultaneous transmission SAR testing is required, contact the FCC Laboratory for interim guidance. | | | | | |

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval.

Two antennas are available for the EUT, (GSM antenna, and Bluetooth antenna).

BT and GSM Antenna separation is 3.0 cm < 5 cm, and the maximum EIRP is 0.05 mW < Pref(12 mW). According to KDB 648474, no stand-alone required for BT

Test Result: Pass

The SAR measurement is exempt.

5.2 §15.203 – Antenna Requirement

Standard Requirement:

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.
- c. Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connector Construction

The EUT has 2 antennas, one is a monopole antenna for Bluetooth, the gain is 1 dBi; one is a PIFA antenna for GSM, the gain are 0 dBi for GSM and 0 dBi for PCS which in accordance to section 15.203, please refer to the internal photos.

Test Result: Pass



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5.3 §15.207 (a) – AC Line Conducted Emissions

Standard Requirement:

| | Conducted limit (dBµV) | | | |
|-----------------------------|------------------------|-----------|--|--|
| Frequency of emission (MHz) | Quasi-peak | Average | | |
| 0.15-0.5 | 66 to 56* | 56 to 46* | | |
| 0.5–5 | 56 | 46 | | |
| 5–30 | 60 | 50 | | |

^{*}Decreases with the logarithm of the frequency.

Procedures:

- 1. All possible modes of operation were investigated. Only the 6 worst case emissions measured, using the correct CISPR and Average detectors, are reported. All other emissions were relatively insignificant.
- 2. A "-ve" margin indicates a PASS as it refers to the margin present below the limit line at the particular frequency.
- 3. Conducted Emissions Measurement Uncertainty
 All test measurements carried out are traceable to national standards. The uncertainty of the measurement at

a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 9kHz - 30MHz (Average & Quasi-peak) is $\pm 3.5dB$.

4. Environmental Conditions Temperature 22°C
Relative Humidity 50%
Atmospheric Pressure 1019mbar

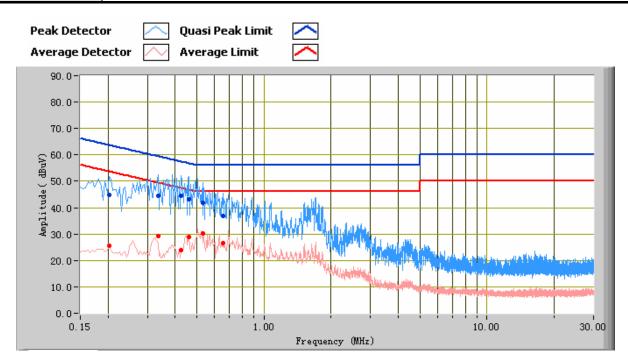
5. Test date : June 19, 2012 Tested By : Chris Bi

Test Result: Pass



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Test Mode: GFSK Transmitting



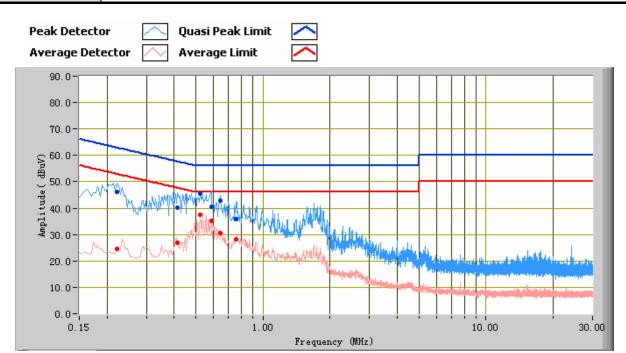
Test Data

Phase Line Plot at 120Vac, 60Hz

| Thuse Ellie Flot at 120 vac, vollz | | | | | | | | | |
|------------------------------------|-------------------------|-----------------|----------------|-------------------|-----------------|----------------|--------------|--|--|
| Frequency (MHz) | Quasi Peak (dBµV) | Limit (dBµV) | Margin (dB) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Factors (dB) | | |
| 0.46 | 43.18 | 56.66 | -13.48 | 29.01 | 46.66 | -17.65 | 10.17 | | |
| 0.43 | 44.52 | 57.35 | -12.83 | 23.81 | 47.35 | -23.54 | 10.17 | | |
| 0.53 | 41.87 | 56.00 | -14.13 | 30.31 | 46.00 | -15.69 | 10.16 | | |
| 0.33 | 44.53 | 59.41 | -14.88 | 29.24 | 49.41 | -20.17 | 10.18 | | |
| 0.65 | 36.75 | 56.00 | -19.25 | 26.67 | 46.00 | -19.33 | 10.13 | | |
| 0.20 | 44.95 | 63.67 | -18.72 | 25.41 | 53.67 | -28.26 | 10.29 | | |

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GFSK Transmitting **Test Mode:**



Test Data

Phase Neutral Plot at 120Vac, 60Hz

| Frequency (MHz) | Quasi Peak (dBµV) | Limit (dBµV) | Margin (dB) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Factors (dB) | | |
|-----------------|-------------------------|-----------------|----------------|-------------------|-----------------|----------------|-----------------|--|--|
| 0.59 | 40.54 | 56.00 | -15.46 | 35.06 | 46.00 | -10.94 | 10.15 | | |
| 0.52 | 45.62 | 56.00 | -10.38 | 37.63 | 46.00 | -8.37 | 10.16 | | |
| 0.64 | 42.79 | 56.00 | -13.21 | 30.43 | 46.00 | -15.57 | 10.14 | | |
| 0.41 | 40.05 | 57.59 | -17.54 | 26.82 | 47.59 | -20.77 | 10.17 | | |
| 0.22 | 46.30 | 62.87 | -16.57 | 24.60 | 52.87 | -28.27 | 10.27 | | |
| 0.75 | 35.99 | 56.00 | -20.01 | 28.27 | 46.00 | -17.73 | 10.14 | | |

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5.4 §15.209, §15.205 & §15.247(d) - Spurious Emissions

- 1. All possible modes of operation were investigated. Only the 6 worst case emissions measured, using the correct CISPR detectors, are reported. All other emissions were relatively insignificant.
- A "-ve" margin indicates a PASS as it refers to the margin present below the limit line at the particular frequency.
- 3. Radiated Emissions Measurement Uncertainty
 All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz 1GHz (3m & 10m) & 1GHz above (3m) is +5.6/-4.5dB.

4. Environmental Conditions Temperature 22°C Relative Humidity 50%

Atmospheric Pressure 1019mbar Test date: June 21, 2012

Tested By : Chris Bi

Standard Requirement:

5.

The emissions from the Low-power radio-frequency devices shall not exceed the field strength levels specified in the following table and the level of any unwanted emissions shall not exceed the level of the fundamental emission. The tighter limit applies at the band edges.

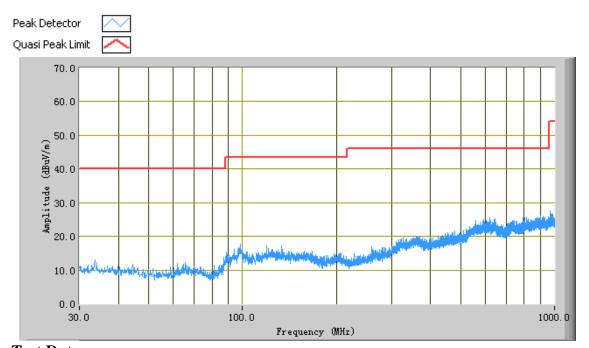
Test Result: Pass



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Test Mode: GFSK Transmitting

Below 1GHz



Test Data

Horizontal Polarity Plot @3m

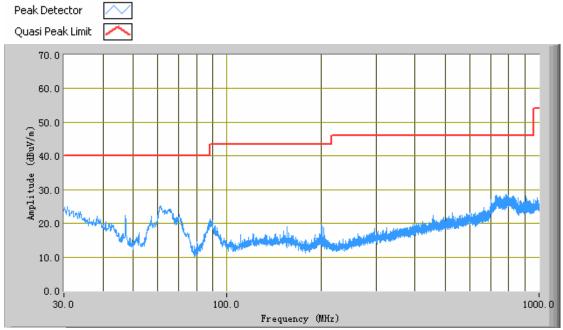
| 1101 120 Hear 1 Old 1 Ly 1 Tot W. 5 III | | | | | | | | | |
|---|---------------------------|---------|-------------------|-------------|--------------|-------------------|----------------|--|--|
| Frequency (MHz) | Quasi Peak (dBμV/m) | Azimuth | Polarity (H/V) | Height (cm) | Factors (dB) | Limit (dBµV/m) | Margin (dB) | | |
| 899.73 | 26.14 | 28.90 | Н | 100.00 | -21.02 | 46.00 | -19.86 | | |
| 920.10 | 26.01 | 313.40 | Н | 200.00 | -20.26 | 46.00 | -19.99 | | |
| 933.43 | 25.80 | 0.70 | Н | 200.00 | -21.08 | 46.00 | -20.20 | | |
| 928.83 | 25.79 | 73.80 | Н | 100.00 | -20.80 | 46.00 | -20.21 | | |
| 953.32 | 25.78 | 184.60 | Н | 200.00 | -20.94 | 46.00 | -20.22 | | |
| 815.82 | 25.66 | 5.00 | Н | 200.00 | -21.43 | 46.00 | -20.34 | | |



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Test Mode: GFSK Transmitting

Below 1GHz



Test Data

Vertical Polarity Plot @3m

| vertical i diality i lot ageni | | | | | | | | | |
|--------------------------------|---------------------------|---------|-------------------|-------------|--------------|-------------------|----------------|--|--|
| Frequency (MHz) | Quasi Peak (dBμV/m) | Azimuth | Polarity (H/V) | Height (cm) | Factors (dB) | Limit (dBµV/m) | Margin (dB) | | |
| 60.92 | 25.12 | 61.00 | V | 100.00 | -37.26 | 40.00 | -14.88 | | |
| 30.73 | 25.00 | 214.00 | V | 100.00 | -20.85 | 40.00 | -15.00 | | |
| 70.25 | 22.74 | 39.40 | V | 100.00 | -37.08 | 40.00 | -17.26 | | |
| 781.02 | 28.67 | 140.30 | V | 200.00 | -18.50 | 46.00 | -17.33 | | |
| 797.39 | 28.40 | 2.30 | V | 100.00 | -19.50 | 46.00 | -17.60 | | |
| 47.22 | 22.33 | 118.30 | V | 100.00 | -31.00 | 40.00 | -17.67 | | |



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GFSK Transmitting Test Mode:

Above 1 GHz

Note: Other Bluetooth modes were verified; only the result of worst case DH5 mode was presented.

Low Channel (2402 MHz)

| Frequency (MHz) | S.A. Reading (dBµV) | Detector (PK/AV) | Direction (degree) | Height (cm) | Polarity (H/V) | Ant. Factor (dB/m) | Cable Loss (dB) | Pre- Amp. Gain (dB) | Cord. Amp. (dBµV/m) | Limit (dBμV/m) | Margin (dB) |
|--------------------|---------------------------|---------------------|-----------------------|-------------|-------------------|--------------------------|-----------------------|------------------------------|---------------------------|-------------------|----------------|
| 4804 | 62.16 | AV | 230 | 100 | V | 32.7 | 1.5 | 55 | 41.36 | 54 | -12.64 |
| 4804 | 62.09 | AV | 180 | 200 | Н | 32.7 | 1.5 | 55 | 41.29 | 54 | -12.71 |
| 4804 | 75.10 | PK | 230 | 100 | V | 32.7 | 1.5 | 55 | 54.30 | 74 | -19.70 |
| 4804 | 74.86 | PK | 180 | 200 | Н | 32.7 | 1.5 | 55 | 54.06 | 74 | -19.94 |
| 7206 | 52.06 | AV | 25 | 100 | V | 35.1 | 2.1 | 55 | 34.26 | 54 | -19.74 |
| 7206 | 51.33 | AV | 152 | 110 | Н | 35.1 | 2.1 | 55 | 33.53 | 54 | -20.47 |
| 7206 | 64.58 | PK | 25 | 100 | V | 35.1 | 2.1 | 55 | 46.78 | 74 | -27.22 |
| 7206 | 63.29 | PK | 152 | 110 | Н | 35.1 | 2.1 | 55 | 45.49 | 74 | -28.51 |

Middle Channel (2441 MHz)

| Frequency (MHz) | S.A. Reading (dBµV) | Detector (PK/AV) | Direction (degree) | Height (cm) | Polarity (H/V) | Ant. Factor (dB/m) | Cable Loss (dB) | Pre- Amp. Gain (dB) | Cord. Amp. (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|--------------------|---------------------------|---------------------|-----------------------|-------------|-------------------|--------------------------|-----------------------|------------------------------|---------------------------|-------------------|----------------|
| 4882 | 61.39 | AV | 120 | 125 | V | 32.5 | 1.7 | 55 | 40.59 | 54 | -13.41 |
| 4882 | 61.26 | AV | 152 | 120 | Н | 32.5 | 1.7 | 55 | 40.46 | 54 | -13.54 |
| 4882 | 75.42 | PK | 120 | 125 | V | 32.5 | 1.7 | 55 | 54.62 | 74 | -19.38 |
| 4882 | 74.56 | PK | 152 | 120 | Н | 32.5 | 1.7 | 55 | 53.76 | 74 | -20.24 |
| 7323 | 51.59 | AV | 120 | 210 | V | 35.6 | 2.3 | 55 | 34.49 | 54 | -19.51 |
| 7323 | 50.83 | AV | 200 | 150 | Н | 35.6 | 2.3 | 55 | 33.73 | 54 | -20.27 |
| 7323 | 64.10 | PK | 120 | 210 | V | 35.6 | 2.3 | 55 | 47.00 | 74 | -27.00 |
| 7323 | 62.46 | PK | 200 | 150 | Н | 35.6 | 2.3 | 55 | 45.36 | 74 | -28.64 |

High Channel (2480 MHz)

| Frequency (MHz) | S.A. Reading (dBµV) | Detector (PK/AV) | Direction (degree) | Height (cm) | Polarity (H/V) | Ant. Factor (dB/m) | Cable Loss (dB) | Pre- Amp. Gain (dB) | Cord. Amp. (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|--------------------|---------------------------|---------------------|-----------------------|-------------|-------------------|--------------------------|-----------------------|------------------------------|---------------------------|-------------------|----------------|
| 4960 | 61.52 | AV | 101 | 100 | V | 32.8 | 1.8 | 55 | 41.12 | 54 | -12.88 |
| 4960 | 61.13 | AV | 320 | 101 | Н | 32.8 | 1.8 | 55 | 40.73 | 54 | -13.27 |
| 4960 | 75.21 | PK | 101 | 100 | V | 32.8 | 1.8 | 55 | 54.81 | 74 | -19.19 |
| 4960 | 74.15 | PK | 320 | 101 | Н | 32.8 | 1.8 | 55 | 53.75 | 74 | -20.25 |
| 7440 | 52.44 | AV | 230 | 100 | V | 35.9 | 2.6 | 55 | 35.94 | 54 | -18.06 |
| 7440 | 52.34 | AV | 180 | 130 | Н | 35.9 | 2.6 | 55 | 35.84 | 54 | -18.16 |
| 7440 | 64.21 | PK | 230 | 100 | V | 35.9 | 2.6 | 55 | 47.71 | 74 | -26.29 |
| 7440 | 63.58 | PK | 180 | 130 | Н | 35.9 | 2.6 | 55 | 47.08 | 74 | -26.92 |

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Spurious emissions in restricted band

| Frequency (MHz) | S.A. Reading (dBµV) | Detector (PK/AV) | Direction (degree) | Height (cm) | Polarity (H/V) | Ant. Factor (dB/m) | Cable Loss (dB) | Pre- Amp. Gain (dB) | Cord. Amp. (dBµV/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------------|---------------------|-----------------------|-------------|-------------------|--------------------------|-----------------------|------------------------------|---------------------------|-------------------|----------------|
| 2378 | 48.64 | AV | 211 | 100 | V | 27.7 | 0.7 | 55 | 22.04 | 54 | -31.96 |
| 2486 | 47.52 | AV | 106 | 135 | V | 28.7 | 0.7 | 55 | 21.92 | 54 | -32.08 |
| 2378 | 42.59 | AV | 320 | 210 | V | 30.3 | 0.8 | 55 | 18.69 | 54 | -35.31 |
| 2486 | 43.61 | AV | 359 | 110 | V | 28.7 | 0.7 | 55 | 18.01 | 54 | -35.99 |
| 2378 | 56.13 | PK | 214 | 126 | Н | 27.7 | 0.7 | 55 | 29.53 | 74 | -44.47 |
| 2486 | 54.89 | PK | 106 | 210 | Н | 28.7 | 0.7 | 55 | 29.29 | 74 | -44.71 |
| 2378 | 55.42 | PK | 154 | 135 | Н | 30.3 | 0.8 | 55 | 31.52 | 74 | -42.48 |
| 2486 | 53.81 | PK | 359 | 110 | Н | 28.7 | 0.7 | 55 | 28.21 | 74 | -45.79 |

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5.5 §15.247(a) (1)-Channel Separation

1. Conducted Measurement

EUT was set for low, mid, high channel with modulated mode and highest RF output power.

The spectrum analyzer was connected to the antenna terminal.

2. Environmental Conditions Temperature 22°C

Relative Humidity 50% Atmospheric Pressure 1019mbar

3. Conducted Emissions Measurement Uncertainty

All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30 MHz - 40 GHz is $\pm 1.5 dB$.

4. Test date: June 20, 2012 Tested By: Chris Bi

Standard Requirement:

According to §15.247(a)(1), Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or two-thirds of the 20dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

Procedures:

- 1. Place the EUT on the table and set it in hopping function transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3. Set center frequency of spectrum analyzer = middle of hopping channel.
- 4. Set the spectrum analyzer as Resolution (or IF) Bandwidth (RBW) ≥ 1% of the span, Video (or Average) Bandwidth (VBW) ≥ RBW, Sweep = auto, Detector function = peak, Trace = max hold.
- 5. Max hold, mark 2 peaks of hopping channel and record the 2 peaks frequency.

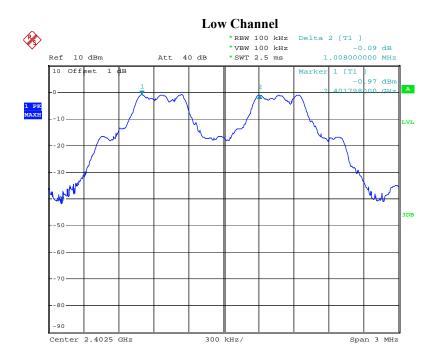
Test Result: Pass

Test Mode: GFSK Transmitting

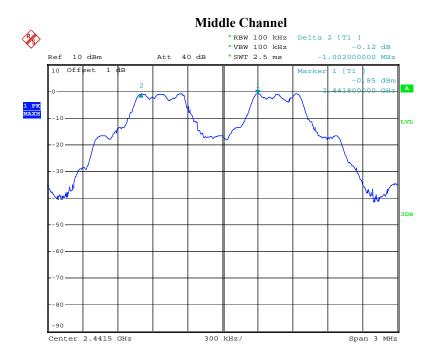
| Channel | Channel Frequency (MHz) | Channel Separation (MHz) | Limit (MHz) | Result |
|-------------------|-------------------------------|--------------------------------|----------------|--------|
| Low Channel | 2402 | 1.008 | 0.704 | Pass |
| Adjacency Channel | 2403 | | | - 1100 |
| Mid Channel | 2440 | 1.002 | 0.704 | Pass |
| Adjacency Channel | 2441 | 1.002 | | 1 455 |
| High Channel | 2480 | 1.026 | 0.696 | Pass |
| Adjacency Channel | 2479 | 1.020 | 0.090 | 1 455 |

Please refer to the following plots.

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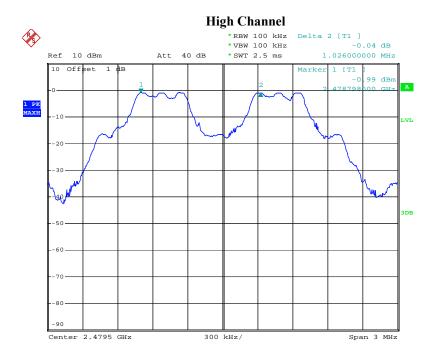
Date: 20.JUN.2012 10:51:50

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Title: RF Test Report for GSM MOBILE PHONE
Main Model: FOX FB103
Main Model: N/A
To: FCC 15.247: 2012 ANSI C63.4: 2003

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Date: 20.JUN.2012 10:55:23

$\S15.247(a)$ (1) – 20dB Bandwidth

1. Conducted Measurement

EUT was set for low, mid, high channel with modulated mode and highest RF output power.

The spectrum analyzer was connected to the antenna terminal.

2. Environmental Conditions Temperature 22°C

Relative Humidity 50% Atmospheric Pressure 1019mbar

3. Conducted Emissions Measurement Uncertainty

All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30 MHz - 40 GHz is $\pm 1.5 dB$.

4. Test date : June 20, 2012

Tested By: Chris Bi

Standard Requirement:

According to §15.247(a)(1), Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

Procedures:

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3. Set the spectrum analyzer as Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel, RBW ≥ 1% of the 20 dB bandwidth, VBW ≥ RBW, Sweep = auto, Detector function = peak, Trace = max hold.
- 4. Set the measured low, middle and high frequency and test 20dB bandwidth with spectrum analyzer.

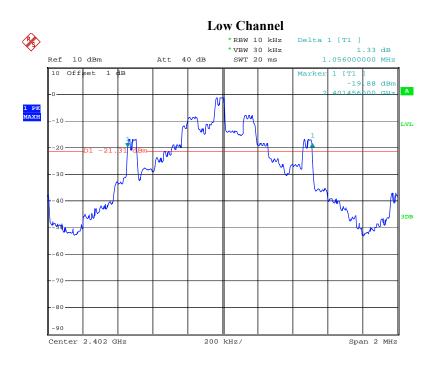
Test Result: Pass

| Test Mode: | GFSK Transmitting |
|------------|-------------------|
|------------|-------------------|

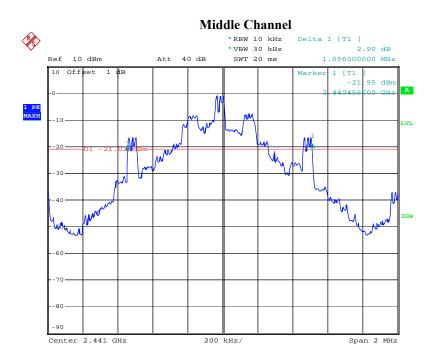
| Channel | Frequency (MHz) | 20 dB Bandwidth (MHz) |
|---------|--------------------|--------------------------|
| Low | 2402 | 1.056 |
| Middle | 2441 | 1.056 |
| High | 2480 | 1.044 |

Please refer to the following plots.

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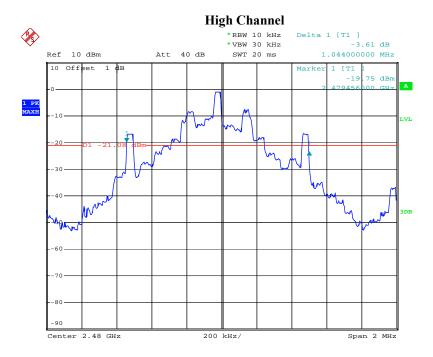


Date: 20.JUN.2012 10:33:08



Date: 20.JUN.2012 10:36:18

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Date: 20.JUN.2012 10:38:09

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5.6 §15.247(a) (1) (iii)-Number of Hopping Channels

1. Conducted Measurement

EUT was set for low, mid, high channel with modulated mode and highest RF output power.

The spectrum analyzer was connected to the antenna terminal.

2. Conducted Emissions Measurement Uncertainty

All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz - 40GHz is $\pm 1.5dB$.

3. Environmental Conditions

Temperature 22°C
Relative Humidity 50%
Atmospheric Pressure 1019mbar

4. Test date : June 20, 2012 Tested By : Chris Bi

Standard Requirement:

According to §15.247(a)(1)(iii), Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels.

Procedures:

- 1. Place the EUT on the table and set it in hopping function transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3. Set the spectrum analyzer as Start=2400MHz, Stop = 2483.5MHz, Span = the frequency band of operation, RBW ≥1% of the span, VBW ≥ RBW, Sweep = auto, Detector function = peak, Trace = max hold.
- 4. Count the quantity of peaks to get the number of hopping channels.

Test Result: Pass

| Test Mode: | Hopping Mode With GFSK Modulation |
|------------|-----------------------------------|
|------------|-----------------------------------|

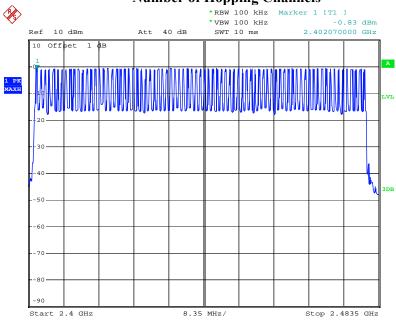
| Frequency Range (MHz) | Number of Hopping Channels | Limit | |
|--------------------------|-------------------------------|-------|--|
| 2400-2483.5 | 79 | ≥15 | |

Please refer to following tables and plots

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Number of Hopping Channels



Date: 20.JUN.2012 10:47:17

5.7 §15.247(a) (1) (iii) -Time of Occupancy (Dwell Time)

1. Conducted Measurement

EUT was set for low, mid, high channel with modulated mode and highest RF output power.

The spectrum analyzer was connected to the antenna terminal.

2. Conducted Emissions Measurement Uncertainty

All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz - 40GHz is $\pm 1.5dB$.

3. Environmental Conditions

Temperature 22°C
Relative Humidity 50%
Atmospheric Pressure 1019mbar

4. Test date : June 20, 2012 Tested By : Chris Bi

Standard Requirement:

According to §15.247(a)(1)(iii), The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

Procedures:

- 1. Place the EUT on the table and set it in transmitting mode and switch on frequency hopping function.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3. Set the spectrum analyzer as Span = zero span, centered on a hopping channel, RBW=1MHz, VBW ≥ RBW, Sweep = as necessary to capture the entire dwell time per hopping channel, Detector function = peak, Trace = max hold.
- 4. Calculate the time of occupancy in a period with time occupancy of a burst and quantity of bursts.

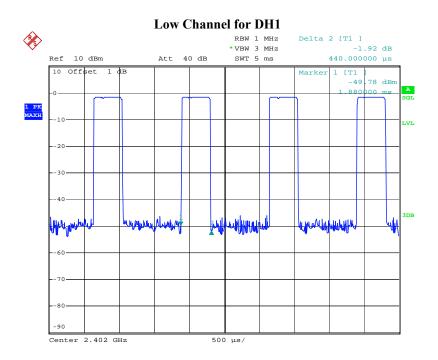
Test Result: Pass

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Test Mode: Hopping Mode With GFSK Modulation

| Mode | Channel | Pulse Width (ms) | Dwell Time (s) | Limit (s) | Result | | | |
|------|--|--------------------|------------------------|---------------|--------|--|--|--|
| | Low | 0.440 | 0.14080 | 0.4 | Pass | | | |
| DH 1 | Middle | 0.440 | 0.14080 | 0.4 | Pass | | | |
| DILI | High | 0.440 | 0.14080 | 0.4 | Pass | | | |
| | <i>Note:</i> Dwell time=Pulse time (ms) × $(1600 \div 2 \div 79) \times 31.6$ Second | | | | | | | |
| | Low | 1.740 | 0.27840 | 0.4 | Pass | | | |
| DH 3 | Middle | 1.720 | 0.27520 | 0.4 | Pass | | | |
| DH 3 | High | 1.700 | 0.27200 | 0.4 | Pass | | | |
| | <i>Note:</i> Dwell time=Pulse time (ms) × $(1600 \div 4 \div 79) \times 31.6$ Second | | | | | | | |
| | Low | 3.00 | 0.32000 | 0.4 | Pass | | | |
| DH 5 | Middle | 3.00 | 0.32000 | 0.4 | Pass | | | |
| DH 5 | High | 3.00 | 0.32000 | 0.4 | Pass | | | |
| | Note: Dwell | time=Pulse Time (m | $(1600 \div 6 \div 6)$ | 79) ×31.6 Sec | cond | | | |

Please refer to the following plots.



Date: 20.JUN.2012 11:13:52

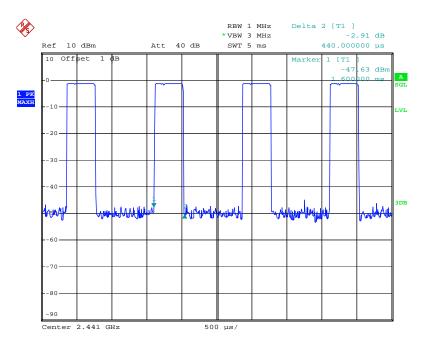
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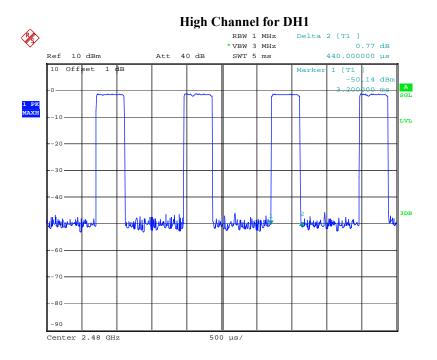
Title: RF Test Report for GSM MOBILE PHONE
Main Model: FOX FB103
Main Model: N/A
To: FCC 15.247: 2012 ANSI C63.4: 2003

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Middle Channel for DH1

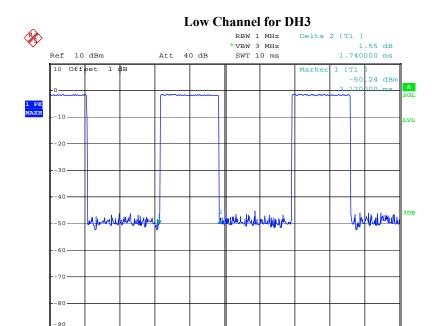


Date: 20.JUN.2012 11:13:16



Date: 20.JUN.2012 11:14:34

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1 ms/

Date: 20.JUN.2012 11:16:15

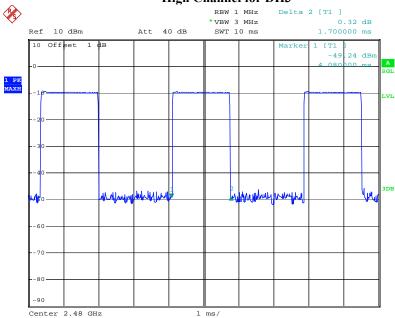
Center 2.402 GHz

Middle Channel for DH3 RBW 1 MHz *VBW 3 MHz Delta 2 [T1] -1.73 dB Ref 10 dBm 40 dB SWT 10 ms 1.720000 ms 10 Offset [T1 -48 . 32 dBm -10 -20 _50 Mhary/whiliam <u> Hanna antertuk, satuk antertuk</u> -80-Center 2.441 GHz 1 ms/

Date: 20.JUN.2012 11:15:37

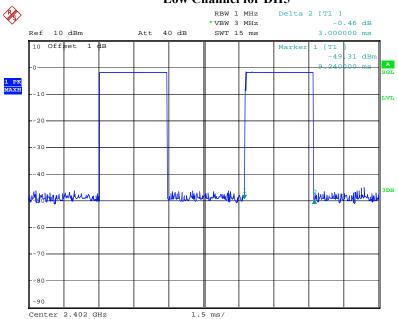
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High Channel for DH3 RBW 1 MHz *VBW 3 MHz



Date: 20.JUN.2012 11:11:42

Low Channel for DH5

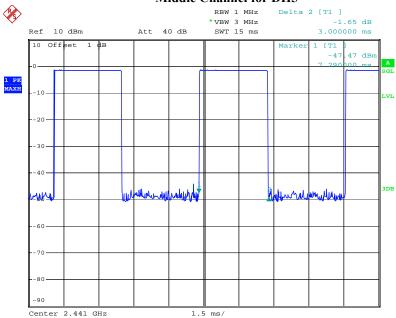


Date: 20.JUN.2012 11:08:54

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Title: RF Test Report for GSM MOBILE PHONE
Main Model: FOX FB103
Main Model: N/A
To: FCC 15.247: 2012 ANSI C63.4: 2003

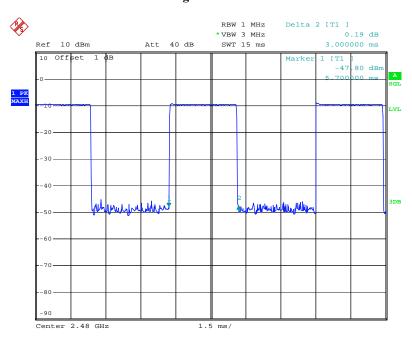
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Middle Channel for DH5



Date: 20.JUN.2012 11:08:23

High Channel for DH5



Date: 20.JUN.2012 11:10:52

5.8 §15.247(b) (1) - Peak Output Power

1. Conducted Measurement

EUT was set for low, mid, high channel with modulated mode and highest RF output power.

The spectrum analyzer was connected to the antenna terminal.

2. Conducted Emissions Measurement Uncertainty

All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz - 40GHz is $\pm 1.5dB$.

3. Environmental Conditions

Tested By: Chris Bi

Temperature 22°C Relative Humidity 50% Atmospheric Pressure 1019m

Test date: June 20, 2012

1019mbar

Standard Requirement:

According to §15.247(b)(2), For frequency hopping systems in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5MHz band: 0.125watts.

Procedures:

4.

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3. Set the spectrum analyzer as Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel, RBW > the 20 dB bandwidth of the emission being measured, VBW ≥ RBW, Sweep=auto, Detector function=peak, Trace = max hold
- 4. Then set the EUT to transmit at low, middle and high channel and measure the conducted output power separately.

Test Result: Pass

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Test Mode: GFSK Transmitting

| Channel | Channel frequency (MHz) | Peak output power (dBm) | Power output (mW) | Limit (mW) |
|----------------|-------------------------------|-------------------------------|-------------------|---------------|
| Low channel | 2402 | -1.80 | 0.02 | 125 |
| Middle channel | 2441 | -1.47 | 0.03 | 125 |
| High channel | 2480 | -1.34 | 0.05 | 125 |

Please refer to the following plots.

Note: The data above was tested in conducted mode.

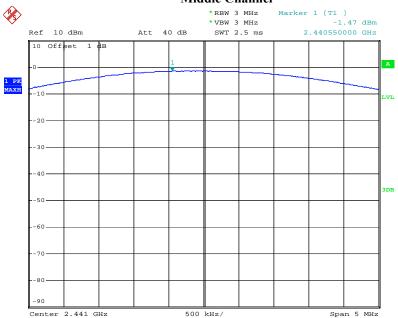


Date: 20.JUN.2012 10:39:59

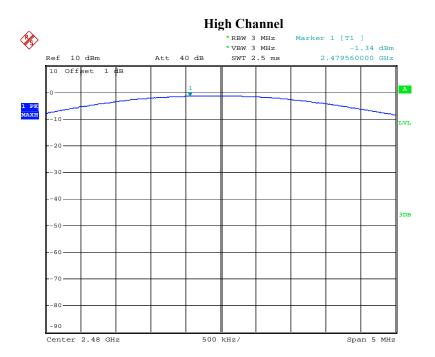
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Title: RF Test Report for GSM MOBILE PHONE
Main Model: FOX FB103
Main Model: N/A
To: FCC 15.247: 2012 ANSI C63.4: 2003

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Middle Channel



Date: 20.JUN.2012 10:39:48



Date: 20.JUN.2012 10:39:30

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5.9 §15.247(d) - Band Edge

Standard Requirement:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

Procedures:

- 1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- 2. Position the EUT without connection to measurement instrument. Put it on the Rotated table and turn on the EUT and make it operate in transmitting mode. Then set it to Low Channel and High Channel within its operating range, and make sure the instrument is operated in its linear range.
- 3. Set both RBW and VBW of spectrum analyzer to 100 kHz with a convenient frequency span including 100kHz bandwidth from band edge, for Radiated emissions restricted band RBW=1MHz, VBW=3MHz.
- 4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
- Repeat above procedures until all measured frequencies were complete.

Test Result: Pass

| Test Mode: GFSK Transmitting | |
|------------------------------|--|
|------------------------------|--|

| Frequency (MHz) | Delta Peak to Band Emission (dBc) | Limit (dBc) |
|--------------------|-----------------------------------|----------------|
| 2401.82 | 37.07 | 20 |
| 2479.80 | 38.79 | 20 |

Note: The point fall into the strict band was recorded in FCC 15.209, please refer to the restrict band testing.

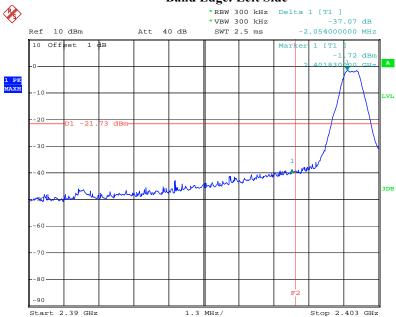
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Title: RF Test Report for GSM MOBILE PHONE
Main Model: FOX FB103
Main Model: N/A
To: FCC 15.247: 2012 ANSI C63.4: 2003

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Band Edge: Left Side



Date: 20.JUN.2012 11:02:57

Date: 20.JUN.2012 11:04:41

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Annex A. TEST INSTRUMENT & METHOD

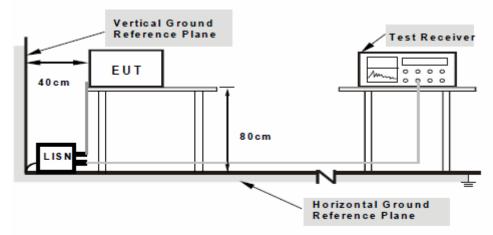
TEST INSTRUMENTATION & GENERAL PROCEDURES Annex A.i.

| Instrument | Model | Calibration Date | Calibration Due Date |
|---|----------------------------|---------------------|-------------------------|
| Radiated Emissions | | | |
| Hp Spectrum Analyzer | 8563E | 01/10/2012 | 01/09/2013 |
| R&S EMI Receiver | ESPI3 | 08/26/2011 | 08/25/2012 |
| Antenna (30MHz~2GHz) | JB1 | 10/04/2011 | 10/03/2012 |
| ETS-Lindgren Antenna(1 ~18GHz) | 3115 | 10/04/2011 | 10/03/2012 |
| A-INFOMW Antenna(1 ~18GHz) | JXTXLB-10180 | 06/15/2012 | 06/15/2013 |
| Horn Antenna (18~40GHz) | AH-840 | 07/23/2011 | 07/22/2012 |
| Microwave Pre-Amp (18~40GHz) | PA-840 | Every 2000 Hours | |
| Hp Agilent Pre-Amplifier | 8447F | 05/25/2012 | 05/24/2013 |
| MITEQ Pre-Amplifier(0.1 ~ 18GHz) | AMF-7D-00101800-30- 10P | 05/25/2012 | 05/24/2013 |
| Universal Radio Communication Tester | CMU200 | 03/01/2012 | 02/28/2013 |
| Chamber | 3m | 04/13/2012 | 04/12/2013 |

Annex A.ii. CONDUCTED EMISSIONS TEST DESCRIPTION

Test Set-up

- 1. The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table, as shown in Annex B.
- 2. The power supply for the EUT was fed through a $50\Omega/50\mu$ H EUT LISN, connected to filtered mains.
- 3. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss coaxial cable.
- 4. All other supporting equipments were powered separately from another main supply.



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80cm from EUT and at least 80cm from other units and other metal planes support units.

For the actual test configuration, please refer to the related item – Photographs of the Test Configuration1.

Test Method

- 1. The EUT was switched on and allowed to warm up to its normal operating condition.
- 2. A scan was made on the NEUTRAL line (for AC mains) or Earth line (for DC power) over the required frequency range using an EMI test receiver.
- 3. High peaks, relative to the limit line, were then selected.
- 4. The EMI test receiver was then tuned to the selected frequencies and the necessary measurements made with a receiver bandwidth setting of 10 kHz. For FCC tests, only Quasi-peak measurements were made; while for CISPR/EN tests, both Quasi-peak and Average measurements were made.
- 5. Steps 2 to 4 were then repeated for the LIVE line (for AC mains) or DC line (for DC power).

Description of Conducted Emission Program

This EMC Measurement software run LabView automation software and offers a common user interface for electromagnetic interference (EMI) measurements. This software is a modern and powerful tool for controlling and monitoring EMI test receivers and EMC test systems. It guarantees reliable collection, evaluation, and documentation of measurement results. Basically, this program will run a pre-scan measurement before it proceeds with the final measurement. The pre-scan routine will run the common scan range from 150 kHz to 30 MHz; the program will first start a peak and average scan on selectable measurement time and step size. After the program complete the pre-scan, this program will perform the Quasi Peak and Average measurement, based on the pre-scan peak data reduction result.

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Sample Calculation Example

At 20 MHz $\lim_{t \to 0} t = 250 \,\mu\text{V} = 47.96 \,\text{dB}\mu\text{V}$

Transducer factor of LISN, pulse limiter & cable loss at 20 MHz = 11.20 dB

Q-P reading obtained directly from EMI Receiver = $40.00 \text{ dB}\mu\text{V}$

(Calibrated for system losses)

Therefore, Q-P margin = 47.96 - 40.00 = 7.96

i.e. 7.96 dB below limit

Annex A. iii. RADIATED EMISSIONS TEST DESCRIPTION

Limit

1. Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

| Frequency (MHz) | Field Strength (mV/m) | Measurement Distance (m) |
|-----------------|-----------------------|--------------------------|
| 30-88 | 100* | 3 |
| 88-216 | 150* | 3 |
| 216-960 | 200* | 3 |
| Above 960 | 500 | 3 |

Remark: Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

2. In the above emission table, the tighter limit applies at the band edges.

| Frequency (Hz) | Field Strength (μV/m at 3-meter) | Field Strength (dBµV/m at 3-meter) |
|----------------|-------------------------------------|---------------------------------------|
| 30-88 | 100 | 40 |
| 88-216 | 150 | 43.5 |
| 216-960 | 200 | 46 |
| Above 960 | 500 | 54 |

EUT Characterisation

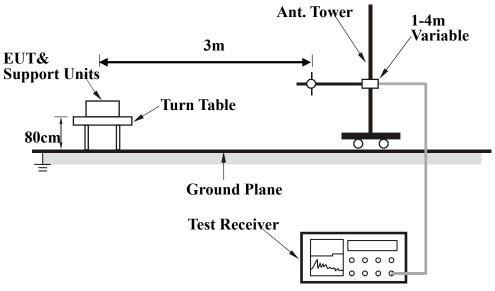
EUT characterisation, over the frequency range from 30MHz to 10th Harmonic, was done in order to minimise radiated emissions testing time while still maintaining high confidence in the test results.

The EUT was placed in the chamber, at a height of about 0.8m on a turntable. Its radiated emissions frequency profile was observed, using a spectrum analyzer /receiver with the appropriate broadband antenna placed 3m away from the EUT. Radiated emissions from the EUT were maximised by rotating the turntable manually, changing the antenna polarisation and manipulating the EUT cables while observing the frequency profile on the spectrum analyzer / receiver. Frequency points at which maximum emissions occurred, clock frequencies and operating frequencies were then noted for the formal radiated emissions test at the Open Area Test Site (OATS) or 3m EMC chamber.



Test Set-up

- 1. The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m X 1.0m X 0.8m high, non-metallic table.
- 2. The filtered power supply for the EUT and supporting equipment were tapped from the appropriate power sockets located on the turntable.
- 3. The relevant broadband antenna was set at the required test distance away from the EUT and supporting equipment boundary.



Test Method

The following procedure was performed to determine the maximum emission axis of EUT:

- 1. With the receiving antenna is H polarization, rotate the EUT in turns with three orthogonal axes to determine the axis of maximum emission.
- 2. With the receiving antenna is V polarization, rotate the EUT in turns with three orthogonal axes to determine the axis of maximum emission.
- 3. Compare the results derived from above two steps. So, the axis of maximum emission from EUT was determined and the configuration was used to perform the final measurement.

Final Radiated Emission Measurement

- 1. Setup the configuration according to figure 1. Turn on EUT and make sure that it is in normal function.
- 2. For emission frequencies measured below 1 GHz, a pre-scan is performed in a shielded chamber to determine the accurate frequencies of higher emissions will be checked on an open test site. As the same purpose, for emission frequencies measured above 1 GHz, a pre-scan also be performed with a 1 meter measuring distance before final test.
- 3. For emission frequencies measured below and above 1 GHz, set the spectrum analyzer on a 100 kHz and 1 MHz resolution bandwidth respectively for each frequency measured in step 2.
- 4. The search antenna is to be raised and lowered over a range from 1 to 4 meters in horizontally polarized orientation. Position the highness when the highest value is indicated on spectrum analyzer, then change the orientation of EUT on test table over a range from $0 \circ to 360 \circ with$ a speed as slow as possible, and keep the azimuth that highest emission is indicated on the spectrum analyzer. Vary the antenna position again and record the highest value as a final reading.
- 5. Repeat step 4 until all frequencies need to be measured was complete.
- 6. Repeat step 5 with search antenna in vertical polarized orientations.

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

| Frequency Band (MHz) | Function | Resolution bandwidth | Video Bandwidth |
|----------------------|----------|----------------------|-----------------|
| 30 to 1000 | Peak | 100 kHz | 100 kHz |
| Above 1000 | Peak | 1 MHz | 1 MHz |
| Above 1000 | Average | 1 MHz | 10 Hz |

Description of Radiated Emissions Program

This EMC Measurement software run LabView automation software and offers a common user interface for electromagnetic interference (EMI) measurements. This software is a modern and powerful tool for controlling and monitoring EMI test receivers and EMC test systems. It guarantees reliable collection, evaluation, and documentation of measurement results. Basically, this program will run a pre-scan measurement before it proceeds with the final measurement. The pre-scan routine will run the scan on four different antenna heights, 2 antenna polarity, and 360 degrees table rotation. For example, the program was set to run 30 MHz to 1 GHz scan; the program will first start from a meter antenna height and divide the 30 MHz to 1 GHz into 10 separate parts of maximum hold sweeps. Each parts of maximum hold sweep, the program will collect the data from 0 degree to 360 degrees table rotation. After the program complete the 1m scan, the antenna continues to rise to 2m and continue the scan. The step will repeated for all specified antenna height and polarity. This program will perform the Quasi Peak measurement after the signal maximization process and pre-scan routine. The final measurement will be base on the pre-scan data reduction result.

Sample Calculation Example

The field strength is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain (if any) from the measured reading. For the limit is employed average value, therefore the peak value can be transferred to average value by subtracting the duty factor. The basic equation with a sample calculation is as follows:

Peak = Reading + Corrected Factor

where

Corr. Factor = Antenna Factor + Cable Factor - Amplifier Gain (if any) And the average value is

> Average = Peak Value + Duty Factor or Set RBW = 1MHz, VBW = 10Hz.

Note:

If the measured frequencies are fall in the restricted frequency band, the limit employed must be quasi peak value when frequencies are below or equal to 1 GHz. And the measuring instrument is set to quasi peak detector function.



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Annex B. EUT AND TEST SETUP PHOTOGRAPHS

Please see attachment

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Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

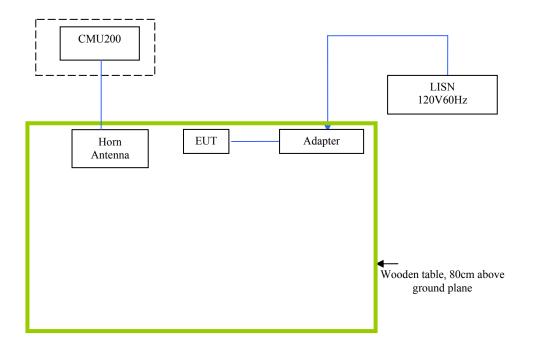
EUT TEST CONDITIONS

Annex C. i. SUPPORTING EQUIPMENT DESCRIPTION

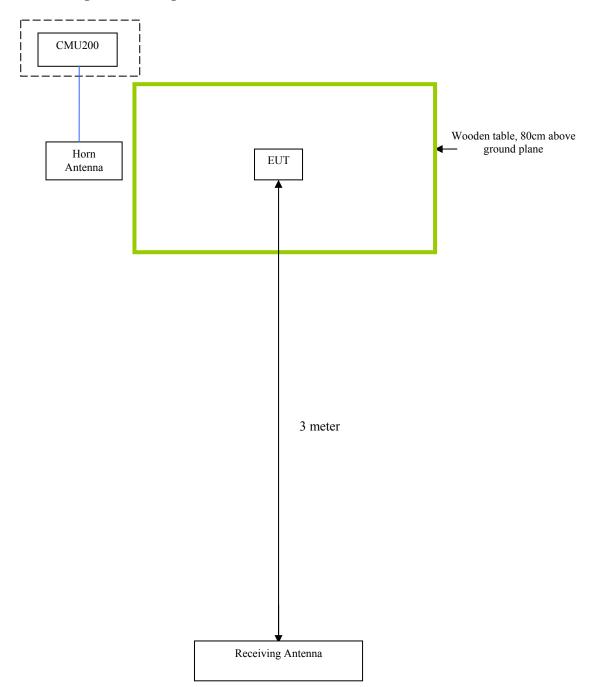
The following is a description of supporting equipment and details of cables used with the EUT.

| Manufacturer | Equipment Description (Including Brand Name) | Model | Calibration Date | Calibration Due Date |
|-----------------|--|--------------|---------------------|-------------------------|
| A-INFOMW | Horn Antenna | JXTXLB-10180 | 06/15/2012 | 06/15/2013 |
| Rohde & Schwarz | Universal Radio Communication Tester | CMU200 | 03/01/2012 | 02/28/2013 |

Block Configuration Diagram for Conducted Emissions



Block Configuration Diagram for Radiated Emissions





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Annex C.ii. EUT OPERATING CONDITIONS

The following is the description of how the EUT is exercised during testing.

| Test | Description Of Operation |
|--------------------------|--|
| Emissions Testing | The EUT was continuously transmitting to stimulate the worst case. |



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Annex D. USER MANUAL / BLOCK DIAGRAM / SCHEMATICS / PART LIST

Please see attachment



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Annex E. DECLARATION OF SIMILARITY

N/A