FCC ID: ZFT-K105 Date of Issue: April 14, 2011

# FCC 47 CFR PART 15 SUBPART B **TEST REPORT**

for

**Mobile Phone** 

**MODEL: K105,P32D** 

**Trade Name: B-mobile** 

**Test Report Number:** KS110407B01-EF

Issued to:

Global Mobile Communication (HK) Ltd., 7/F, Kin On Commercial Building, 49-51 Jervois Street, Sheung Wan, Hong Kong, China

Issued by:

**Compliance Certification Services Inc. Linkuo Laboratory** 

No. 81-1, Lane 210, Pa-De 2nd Rd., Luchu Hsiang, Taoyuan Shien, (338), Taiwan, R.O.C.

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Issued Date: April 14, 2011





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## **Revision History**

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	April 14, 2011	Initial Issue	ALL	Hadiif.Hoo

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### 1 TEST RESULT CERTIFICATION

Product Name: Mobile Phone

Model No.: K105, P32D

**Brand Name:** B-mobile

**Applicant:** Global Mobile Communication (HK) Ltd.,

Address: 7/F, Kin On Commercial Building, 49-51 Jervois Street, Sheung

Wan, HongKong, China

Manufacturer: Water World Technology Co., Ltd

Address: 6 Floor, Block B, Digital Building, Garden City, No. 1079. Nanhai Road,

NanshanDistrict, Shenzhen, Guangdong, China

**Tested Date:** April 12,2011-April 14,2011

EMISSION					
Standard	Item	Result	Remarks		
FCC 47 CFR Part 15 Subpart B, ICES-003 Issue 4	Conducted (Power Port)	PASS	Meet Class B limit		
ANSI C63.4-2009	Radiated	PASS	Meet Class B limit		

Note:

- 1. The statements of test result on the above are decided by the request of test standard only; the measurement uncertainties are not factored into this compliance determination.
- 2. The information of measurement uncertainty is available upon the customer's request.

Deviation from Applicable Standard	
None	

The above equipment has been tested by Compliance Certification Services Inc., and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved by:

Reviewed by:

Hadiif.Hoo EMC Manager

Compliance Certification Service Inc.

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**EMC Section Manager** 

Compliance Certification Service Inc.



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# 2 EUT DESCRIPTION

Product Name	Mobile Phone
Brand Name	B-mobile
Model Number	K105,P32D
FCC ID	FCC ID: ZFT-K105
Applicant	Global Mobile Communication (HK) Ltd.,
Housing material	plastic casing
EUT Type	☐ Engineering Sample. ☐ Product Sample. ☐ Mass Product Sample.
EUT Power Rating	Powered from an AC/DC power adapter Model Number :UTC-24 Input:100-240V 200mA 50-60Hz Output:5.0V 500mA Battery Model: BL-5B Standard Voltage:3.7V Rating Capacity:600mAh
AC Power Cord Type	N/A
I/O Cable Type	Shielded,1m

### I/O PORT

I/O PORT TYPES	Q'TY	TESTED WITH	
1. Micro B Port	1	1	



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### 3 TEST METHODOLOGY

#### 3.1. DECISION OF FINAL TEST MODE

The EUT was tested together with the above additional components, and a configuration, which produced the worst emission levels, was selected and recorded in this report.

The test configuration modes are as the following:

#### **Conduction Modes:**

1	Micro B Port Data rate
2	Micro B Port Adapter

#### **Radiation Modes:**

1	Micro B Port Data rate
2	Micro B Port Adapter

After the preliminary scan, the following test mode was found to produce the final emission level.

Conduction: Mode 2 Radiation: Mode 2



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## 4 SETUP OF EQUIPMENT UNDER TEST

### 4.1. DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

No.	Equipment	Model No.	Serial No.	FCC ID	Trade Name	Data Cable	Power Cord
1	PC	6010GC	CNG44001T2	DoC	НР	Shielded, 1.8m with two Core	Un-Shielded, 1.8m

#### Note:

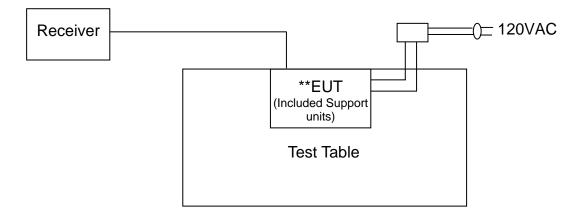
- 1) All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2) Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.



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### 4.2. CONFIGURATION OF SYSTEM UNDER TEST



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### 5 FACILITIES AND ACCREDITATIONS

### 5.1. FACILITIES

All measurement facilities used to collect the measurement data are located at No. 81-1, Lane 210, Pa-De 2nd Rd., Luchu Hsiang, Taoyuan Shien, Taiwan.

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR 22. All receiving equipment conforms to CISPR 16-1-1, CISPR 16-1-2, CISPR 16-1-3, CISPR 16-1-4, CISPR 16-1-5.

#### 5.2. ACCREDITATIONS

Our laboratories are accredited and approved by the following accreditation body according to ISO/IEC 17025.

USA A2LA

The measuring facility of laboratories has been authorized or registered by the following approval agencies.

Canada Industry Canada
Japan VCCI
Taiwan BSMI
USA FCC

Copies of granted accreditation certificates are available for downloading from our web site, <a href="http:///www.ccsrf.com">http:///www.ccsrf.com</a>

#### 5.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Uncertainty	
Conducted emissions	0.15MHz~30MHz	± 3.43 dB	

Measurement	Polarity	Frequency	Uncertainty
	Н	30MHz ~ 200MHz	+/- 4.72dB
Radiated emissions	п	200MHz ~1000MHz	+/- 4.72dB
(below 1GHz)	V	30MHz ~ 200MHz	+/- 4.83dB
		200MHz ~1000MHz	+/- 4.70dB
	Н	1000MHz ~5000MHz	+/- 3.92dB
Radiated emissions	11	5000MHz ~8000MHz	+/- 3.94dB
(above 1GHz)	V	1000MHz ~5000MHz	+/- 3.92dB
	V	5000MHz ~8000MHz	+/- 3.93dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Consistent with industry standard (e.g. CISPR 22: 2005, clause 11, Measurement Uncertainty) determining compliance with the limits shall be base on the results of the compliance measurement. Consequently the measure emissions being less than the maximum allowed



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emission result in this be a compliant test or passing test.

The acceptable measurement uncertainty value without requiring revision of the compliance statement is base on conducted and radiated emissions being less than  $U_{CISPR}$  which is 3.6dB and 5.2dB respectively. CCS values (called  $U_{Lab}$  in CISPR 16-4-2) is less than  $U_{CISPR}$  as shown in the table above. Therefore, MU need not be considered for compliance.

#### 5.4. LIST OF TEST EQUIPMENT

Conducted Emission						
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due		
EMI TEST RECEIVER	R&S	ESCI3	100781	04/29/2011		
V (V-LISN)	Schwarzbeck	NNLK 8129	8129-143	04/29/2011		
LISN (EUT)	FCC	FCC-LISN-50/250-5 0-2-02	SN:05012			
TRANSIENT LIMITER	SCHAFFNER	CFL9206	1710	04/29/2011		
Test Software	are EZ-EMC					

**NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. N.C.R = No Calibration Request.

Radiated Emission (Test Site A (10m chamber) for 30MHz-1GHz)						
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due		
EMI Test Receiver	R&S	ESI26	100068	05/26/2011		
Bilog Antenna	Sunol	JB1	A110204	06/24/2011		
Pre-Amplifier	Anritsu	MH648A	M64192	05/28/2011		
System Controller	Sunol	SC99V	121501-1	N.C.R.		
Turn Table	Sunol	FM3022HS	N/A	N.C.R.		
Antenna Mast	Sunol	TWR 99-4	121501-3	N.C.R.		
Test Software	EZ-EMC					

**NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. N.C.R = No Calibration Request.



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Radiated Emission (3M Semi Anechoic Chamber (977) For 1 GHz -18GHz)						
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due		
Spectrum Analyzer	Agilent	E4446A	MY44020154	05/26/2011		
EMI Test Receiver	R&S	ESPI3	101026	04/29/2011		
Pre-Amplfier	MINI	ZFL-1000VH2	d041703	06/30/2011		
Pre-Amplfier	Miteq	NSP4000-NF	870629	06/30/2011		
Bilog Antenna	Sunol	JB1	A110204-2	06/24/2011		
Horn-antenna	SCHWARZBECK	BBHA9120D	D:266	05/07/2011		
Turn Table	СТ	CT123	4165	N.C.R		
Antenna Tower	СТ	CTERG23	3256	N.C.R		
Controller	СТ	CT100	95637	N.C.R		
Test Software	EZ-EMC					

**NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2.N.C.R = No Calibration Request.



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### 6 CONDUCTED EMISSION MEASUREMENT

### 6.1. LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY (MHz)	Class A	A (dBuV)	Class I	B (dBuV)
FREQUENCY (MHZ)	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

#### NOTE:

- (1) The lower limit shall apply at the transition frequencies.
- (2) The limit decreases in line with the logarithm of the frequency in the range 0.15 to 0.50 MHz.
- (3) All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

#### 6.2. TEST INSTRUMENTS

See list of test equipment of this test report.



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### 6.3. TEST PROCEDURES

### **Procedure of Preliminary Test**

- The EUT and support equipment, if needed, were set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor standing equipment, it is placed on the ground plane, which has a 12 mm non-conductive covering to insulate the EUT from the ground plane.
- All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- The test equipment EUT installed by AC 120VAC/60Hz main power, through a Line Impedance Stabilization Network (LISN), which was supplied power source and was grounded to the ground plane.
- All support equipment power by from a second LISN.
- The test program of the EUT was started. Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.
- The Receiver scanned from 150kHz to 30MHz for emissions in each of the test modes.
- During the above scans, the emissions were maximized by cable manipulation.
- The test mode(s) described in Item 3.1 were scanned during the preliminary test.
- After the preliminary scan, we found the test mode described in Item 3.1 producing the highest emission level.
- The worst configuration of EUT and cable of the above highest emission level were recorded for reference of the final test.

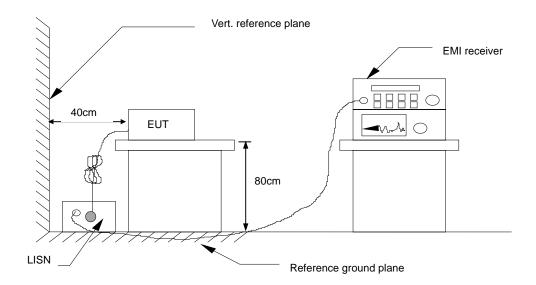
#### **Procedure of Final Test**

- EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.
- A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.
- The test data of the worst-case condition(s) was recorded.



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### 6.4. TEST SETUP



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

### 6.5. DATA SAMPLE

Frequency	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)
x.xx	35.81	34.89	10.16	45.97	45.05	59.93	49.93	-13.96	-4.88

Correction factor (dB) = cable loss + Insertion loss of LISN+ Insertion loss of transient limiter (The transient limiter included 10 dB attenuation)

(QuasiPeak/ Average)Result = (QuasiPeak/ Average)reading + Correction Factor (dB)

#### **Calculation Formula**

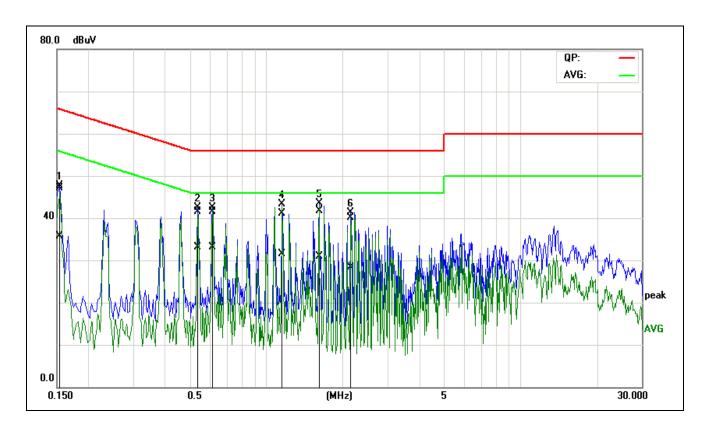
(QuasiPeak/ Average)Margin (dB) = (QuasiPeak/ Average)Result (dBuV) –(QuasiPeak/ Average)Limit (dBuV)



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### 6.6. TEST RESULTS

L1



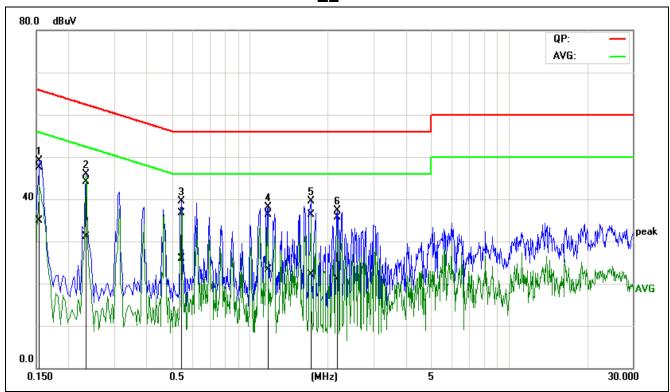
No.	Frequency	QuasiPeak	Average	Correction	QuasiPeak	Average	QuasiPeak	Average	QuasiPeak	Average	Remark
1,00	rrequency	reading	reading	factor	result	result	limit	limit	margin	margin	2402244122
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1546	36.99	25.65	10.05	47.04	35.70	65.75	55.75	-18.71	-20.05	Pass
2*	0.5398	30.62	22.25	10.84	41.46	33.09	56.00	46.00	-14.54	-12.91	Pass
3	0.6170	30.71	22.15	10.89	41.60	33.04	56.00	46.00	-14.40	-12.96	Pass
4	1.1596	30.03	20.46	11.03	41.06	31.49	56.00	46.00	-14.94	-14.51	Pass
5	1.6212	30.70	19.85	11.06	41.76	30.91	56.00	46.00	-14.24	-15.09	Pass
6	2.1604	29.04	17.16	11.10	40.14	28.26	56.00	46.00	-15.86	-17.74	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).



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**L2** 



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1544	37.30	24.66	10.15	47.45	34.81	65.76	55.76	-18.31	-20.95	Pass
2	0.2329	33.84	20.88	10.17	44.01	31.05	62.35	52.35	-18.34	-21.30	Pass
3	0.5478	26.47	15.81	10.14	36.61	25.95	56.00	46.00	-19.39	-20.05	Pass
4	1.1722	26.07	13.06	10.27	36.34	23.33	56.00	46.00	-19.66	-22.67	Pass
5	1.7193	25.88	11.62	10.47	36.35	22.09	56.00	46.00	-19.65	-23.91	Pass
6	2.1881	25.00	10.31	10.61	35.61	20.92	56.00	46.00	-20.39	-25.08	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).



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### 7 RADIATED EMISSION MEASUREMENT

#### 7.1. LIMITS OF RADIATED EMISSION MEASUREMENT

### Below 1GHz (for digital device)

FREQUENCY (MHz)	dBuV/m (At 10m)				
FREQUENCT (MHZ)	Class A	Class B			
30 ~ 230	40	30			
230 ~ 1000	47	37			

# Limit tables for non-digital device:

### Class A Radiated Emission limit at 10m (for others)

Frequency (MHZ)	Field Strength Limit (uV/m)Q.P.	Field Strength Limit (dBuV/m)Q.P.
30 - 88	90	39
88 - 216	150	43.5
216 – 960	210	46.4
Above 960	300	49.5

### Class B Radiated Emission limit at 3m (for others)

Frequency (MHZ)	Field Strength Limit (uV/m)Q.P.	Field Strength Limit (dBuV/m)Q.P.
30 - 88	100	40
88 - 216	150	43.5
216 – 960	200	46
Above 960	500	54

### Above 1GHz(for all device)

Frequency	Class A (dBu	V/m) (At 10m)	Class B (dBuV/m) (At 3m)		
(MHZ)	Average	Peak	Average	Peak	
Above 1000	49.5	69.5	54	74	

NOTE: (1) The lower limit shall apply at the transition frequencies.

- (2) Emission level (dBuV/m) = 20 log Emission level (uV/m).
- (3) The measurement above 1GHz is at close-in distances 3m,and determine the limit L2 corresponding to the close-in distance d2 by applying the following relation: L2 = L1 (d1/d2), where L1 is the specified limit in microvolts per metre (uV/m) at the distance d1 (10m), L2 is the new limit for distance d2 (3m).

So the new Class A limit above 1GHz at 3m is as following table:



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Frequency	Class A (dBuV/m) (At 3m)			
(MHZ)	Average	Peak		
Above 1000	60	80		

According to FCC Part 15.33 (b), for an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.75	30
1.75-108	1000
108-500	2000
500-1000	5000
Above 1000	5 <sup>th</sup> harmonic of the highest frequency or 40GHz, whichever is lower



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### 7.2. TEST INSTRUMENTS

See list of test equipment of this test report.

#### 7.3. TEST PROCEDURES

### **Procedure of Preliminary Test**

- The equipment was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden turntable with a height of 0.8 meters is used which is placed on the ground plane. When the EUT is a floor standing equipment, it is placed on the ground plane which has a 12 mm non-conductive covering to insulate the EUT from the ground plane.
- Support equipment, if needed, was placed as per ANSI C63.4.
- All I/O cables were positioned to simulate typical usage as per ANSI C63.4.
- The EUT received AC 120VAC/60Hz power source from the outlet socket under the turntable. All support equipment power received from another socket under the turntable.
- The antenna was placed at 3 or 10 meter away from the EUT as stated in ANSI C63.4. The antenna connected to the Spectrum Analyzer via a cable and at times a pre-amplifier would be used.
- The Analyzer / Receiver quickly scanned from 30MHz to 40GHz. The EUT test program was started. Emissions were scanned and measured rotating the EUT to 360 degrees and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- Set the spectrum analyzer/ Receiver in the following setting as:

Below 1GHz:

RBW=100kHz / VBW=100kHz / Sweep=AUTO

Above 1GHz:

Peak: RBW=VBW=1MHz / Sweep=AUTO

Average: RBW=1MHz / VBW=10Hz / Sweep=AUTO

- The test mode(s) described in Item 3.1 were scanned during the preliminary test:
- After the preliminary scan, we found the test mode described in Item 3.1 producing the highest emission level.
- The worst configuration of EUT and cable of the above highest emission level were recorded for reference of the final test.



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### **Procedure of Final Test**

• EUT and support equipment were set up on the turntable as per the configuration with highest emission level in the preliminary test.

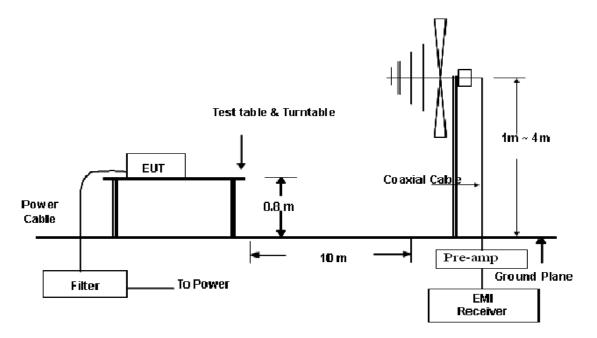
- The Analyzer / Receiver scanned from 30MHz to 40GHz. Emissions were scanned and measured rotating the EUT to 360 degrees, varying cable placement and positioning the antenna 1 or 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- Recording at least the six highest emissions. Emission frequency, amplitude, antenna position, polarization and turntable position were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. Below 1GHz the Q.P. reading and above 1GHz the Peak and Average reading are presented.
- The test data of the worst-case condition(s) was recorded.



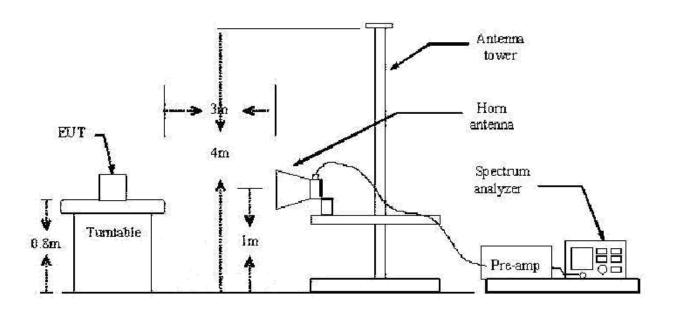
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### 7.4. TEST SETUP

#### **Below 1 GHz**



#### . Above 1 GHz



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



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### 7.5. DATA SAMPLE

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)	Remark
x.xx	37.04	-14.00	23.04	30.00	-6.96	300	40	peak

Freq. = Emission frequency in MHz

Reading = Uncorrected Analyzer/Receiver reading Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain

Result = Reading + Factor
Limit = Limit stated in standard
Margin = Reading in reference to limit

Height = Height of antenna Degree = Position of turn table

Remark = Information of value (Peak/ QuasiPeak/Average)

#### **Calculation Formula**

Margin (dB) = Result (dBuV/m) - Limit (dBuV/m)

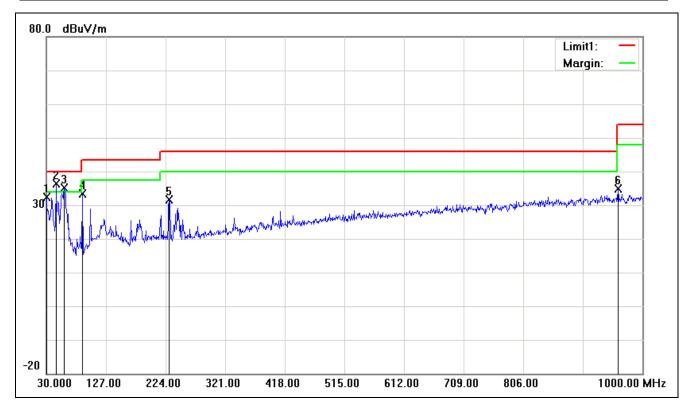


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### 7.6. TEST RESULTS

#### **Below 1GHz**

Model No.	K105	Test Mode	Mode 2			
Environmental Conditions	26deg.C, 78% RH, 1010hPa	6dB Bandwidth	100 kHz			
Antenna Pole	Vertical	Antenna Distance	3m			
Detector Function	Quasi-peak.	Tested by	Star			
Standard FCC CLASS B						



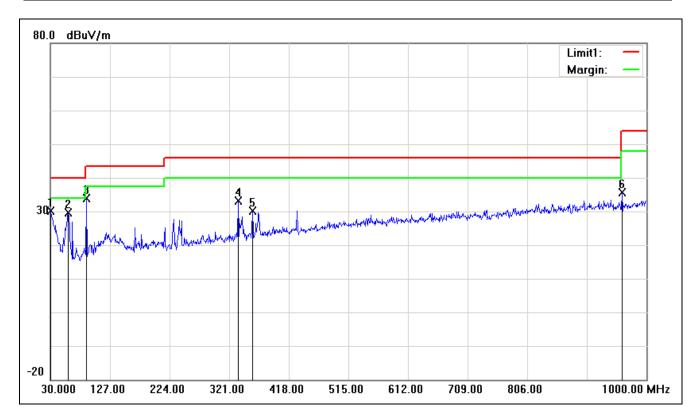
No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	30.0000	30.41	1.87	32.28	40.00	-7.72	100	42	peak
2	45.5200	45.07	-8.78	36.29	40.00	-3.71	100	319	peak
3	59.1000	46.53	-11.47	35.06	40.00	-4.94	100	10	peak
4	88.2000	44.70	-11.30	33.40	43.50	-10.10	100	168	peak
5	229.8200	38.07	-6.44	31.63	46.00	-14.37	100	290	peak
6	960.2300	26.85	8.07	34.92	54.00	-19.08	100	286	peak

**Note:** 1. The other emission levels were very low against the limit.



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Model No.	K105	Test Mode	Mode 2		
Environmental Conditions	26deg.C, 78% RH, 1010hPa	6dB Bandwidth	100 kHz		
Antenna Pole	Horizontal	Antenna Distance	3m		
Detector Function	Quasi-peak.	Tested by	Star		
Standard	FCC CLASS B				



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	30.0000	28.20	1.87	30.07	40.00	-9.93	100	229	peak
2	59.1000	41.13	-11.47	29.66	40.00	-10.34	100	114	peak
3	88.2000	45.06	-11.30	33.76	43.50	-9.74	100	0	peak
4	335.5500	36.22	-3.02	33.20	46.00	-12.80	100	111	peak
5	358.8300	32.49	-2.36	30.13	46.00	-15.87	100	158	peak
6	960.2300	27.50	8.07	35.57	54.00	-18.43	100	210	peak

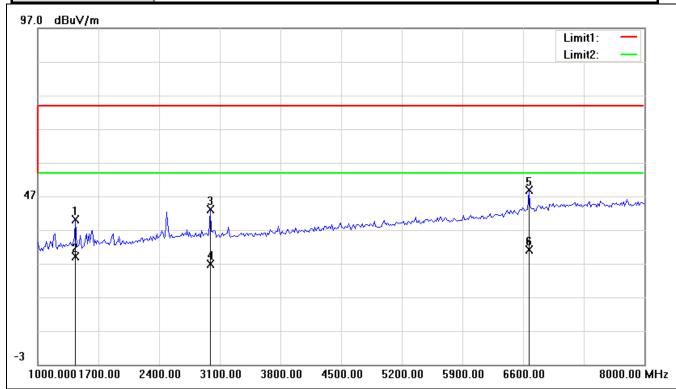
**Note:** 1. The other emission levels were very low against the limit.



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#### **Above 1GHz**

Model No.	K105	Test Mode	Mode 2
Environmental Conditions	26deg.C, 78% RH, 1010hPa	6dB Bandwidth	1 MHz
Antenna Pole	Vertical	Antenna Distance	3m
Detector Function	Peak or average.	Tested by	Star
Standard	FCC CLASS B		



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	1434.870	50.40	-10.37	40.03	74.00	-33.97	100	126	peak
2	1434.870	39.44	-10.37	29.07	54.00	-24.93	100	103	AVG
3	2991.984	48.96	-5.88	43.08	74.00	-30.92	100	133	peak
4	2991.984	32.86	-5.88	26.98	54.00	-27.02	100	152	AVG
5	6667.335	48.84	0.07	48.91	74.00	-25.09	100	299	peak
6	6667.335	30.98	0.07	31.05	54.00	-22.95	100	316	AVG

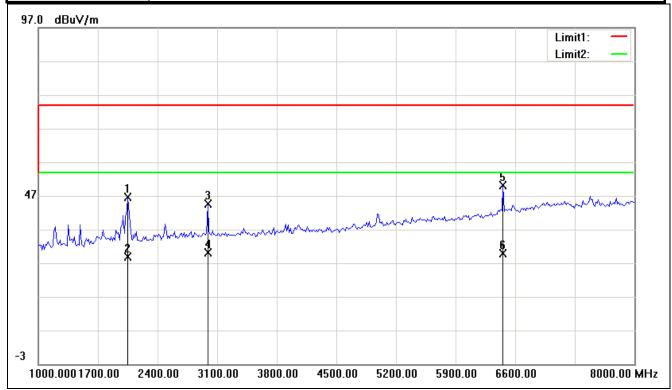
**Note:** 1. The other emission levels were very low against the limit.

### **Above 1GHz**



Report No.: KS110407B01-EF FCC ID: ZFT-K105 Date of Issue: April 14, 2011

Model No.	K105	Test Mode	Mode 2	
Environmental Conditions	26deg.C, 78% RH, 1010hPa	6dB Bandwidth	1 MHz	
Antenna Pole	Horizontal	Antenna Distance	3m	
Detector Function	Peak or average.	Tested by	Star	
Standard	FCC CLASS B			



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	2052.104	55.53	-9.01	46.52	74.00	-27.48	100	129	peak
2	2052.104	37.82	-9.01	28.81	54.00	-25.19	100	120	AVG
3	2991.984	50.51	-5.88	44.63	74.00	-29.37	100	256	peak
4	2991.984	36.07	-5.88	30.19	54.00	-23.81	100	244	AVG
5	6456.914	50.85	-0.70	50.15	74.00	-23.85	100	38	peak
6	6456.914	30.47	-0.70	29.77	54.00	-24.23	100	13	AVG

**Note:** 1. The other emission levels were very low against the limit.

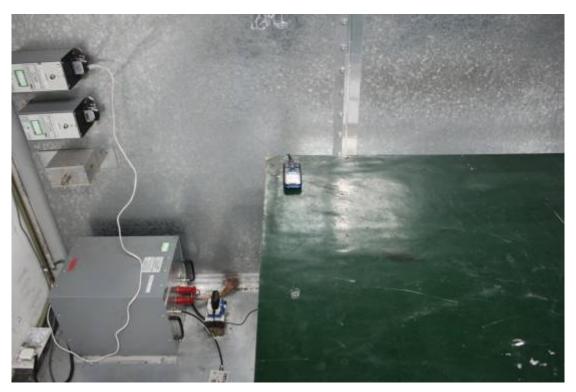


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# PHOTOGRAPHS OF THE TEST CONFIGURATION CONDUCTED EMISSION TEST







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### **RADIATED EMISSION TEST**

