

FCC TEST REPORT **(PART 22)**

REPORT NO.: RF120309C35 R1

MODEL NO.: FZ-A1BDAAAAM

FCC ID: ACJ9TGFZ-A13

RECEIVED: Mar. 09, 2012

TESTED: Apr. 06 ~ Jun. 15, 2012

ISSUED: Jun. 15, 2012

APPLICANT: Panasonic Corporation of North America

ADDRESS: One Panasonic Way, 4B-8 Secaucus, NJ 07094

ISSUED BY: Bureau Veritas Consumer Products Services

(H.K.) Ltd., Taoyuan Branch

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Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

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Cancels and replaces the report No.: RF120309C35 dated May 31, 2012

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF120309C35	Original release	May 31, 2012
RF120309C35 R1	Revised the emission designator and typing error.	Jun. 15, 2012

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CERTIFICATION

PRODUCT: Tablet PC

MODEL: FZ-A1BDAAAAM

BRAND: Panasonic

APPLICANT: Panasonic Corporation of North America

TESTED: Apr. 06 ~ Jun. 15, 2012

TEST SAMPLE: Production Unit

STANDARDS: FCC PART 22, Subpart H

The above equipment (model: FZ-A1BDAAAAM) has been tested by Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : Jun. 15, 2012

Ivonne Wu / Senior Specialist

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2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 22 & Part 2						
STANDARD SECTION	TEST TYPE	RESULT	REMARK			
2.1046 22.913 (a)	Effective radiated power	PASS	Meet the requirement of limit.			
2.1055 22.355	Frequency Stability	PASS	Meet the requirement of limit.			
2.1049	Occupied Bandwidth	PASS	Meet the requirement of limit.			
22.917	Band Edge Measurements	PASS	Meet the requirement of limit.			
2.1051 22.917	Conducted Spurious Emissions	PASS	Meet the requirement of limit.			
2.1053 22.917	Radiated Spurious Emissions		Meet the requirement of limit. Minimum passing margin is -23.62Db at 32.70MHz.			

2.1 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 150kHz~30MHz		2.44 Db
	30MHz ~ 200MHz	2.93 Db
Radiated emissions	200MHz ~1000MHz	2.95 Db
Radiated emissions	1GHz ~ 18GHz	2.26 Db
	18GHz ~ 40GHz	1.94 Db

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

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2.2 TEST SITE AND INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver Agilent	N9038A	MY51210203	Dec. 22, 2011	Dec. 21, 2012
Spectrum Analyzer ROHDE & SCHWARZ	FSU43	101261	Dec. 21, 2011	Dec. 20, 2012
BILOG Antenna SCHWARZBECK	VULB9168	9168-472	Dec. 20, 2011	Dec. 19, 2012
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-969	Dec. 20, 2011	Dec. 19, 2012
HORN Antenna SCHWARZBECK	BBHA 9170	9170-480	Dec. 20, 2011	Dec. 19, 2012
Preamplifier EMCI	EMC 012645	980115	Dec. 30, 2011	Dec. 29, 2012
Preamplifier EMCI	EMC 330H	980112	Dec. 30, 2011	Dec. 29, 2012
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	309219/4	Oct. 21, 2011	Oct. 20, 2012
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	250130/4	Jan. 02, 2012	Jan. 01, 2013
RF signal cable Worken	RG-213	NA	Jan. 02, 2012	Jan. 01, 2013
Software	E3 6.120103	NA	NA	NA
Antenna Tower MF	MFA-440H	NA	NA	NA
Turn Table MF	MFT-201SS	NA	NA	NA
Antenna Tower &Turn Table Controller MF	MF-7802	NA	NA	NA
Mini-Circuits Power Splitter	ZN2PD-9G	NA	Mar. 23, 2012	Mar. 22, 2013
JFW 20Db attenuation	50HF-020-SMA	NA	NA	NA
Communications Tester-Wireless	E5515C	MY50266653	Sep. 28, 2011	Sep. 27, 2012
Radio Communication Analyzer	MT8820C	6201010284	Aug. 01, 2011	Jul. 31, 2012

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. The test was performed in HwaYa Chamber 9.
- 3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
- 4. The FCC Site Registration No. is 460141.
- 5. The IC Site Registration No. is IC 7450F-4.

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3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

EUT	Tablet PC	
MODEL NO.	FZ-A1BDAAAAM	
POWER SUPPLY	12.0Vdc (adapter)	
FOWER SOFFEI	7.4Vdc (battery)	
	GPRS: GMSK	
MODULATION TYPE	EDGE: 8PSK	
	WCDMA: BPSK	
ERECHENCY PANCE	GPRS, EDGE: 824.2MHz ~ 848.8MHz	
FREQUENCY RANGE WCDMA: 826.4MHz ~ 846.6MHz GPRS: 1.06Watts		
	GPRS: 1.06Watts	
MAX. ERP POWER	EDGE: 0.25Watts	
	WCDMA: 0.13Watts	
	GPRS: 244KGXW	
EMISSION DESIGNATOR	EDGE: 244KG7W	
	WCDMA: 4M16F9W	
MULTI-SLOTS CLASS	12	
WCDMA RELEASE VERSION	6	
ANTENNA TYPE	Fixed Internal antenna with 0.78 dBi gain	
I/O PORTS	Refer to users' manual	
DATA CABLE	Refer to Note as below	
ACCESSORY DEVICES	Refer to Note as below	

NOTE:

1. The EUT contains the following accessories.

	Brand Name	JRC
	Model Name	NJD-9370
AC Adapter	Power Rating	I/P:100-240Vac, 0.5A ~ 0.3A, 50/60Hz; O/P: 12Vdc, 2.0A
	DC Power Cord Type	0.7 meter non-shielded cable without ferrite core
	Brand Name	SANYO
Pottory.	Model Name	2UF484462-3-T0775
Battery	Power Rating	7.4Vdc
	Туре	Li-ion
LCD Panel	Brand Name	Hannstar
LCD Pallel	Model Name	HSD100PXN1
Main Camara	Brand Name	D-Max Technology
Main Camera	Model Name	HAC-001502-W1A
2 nd Camera	Brand Name	D-Max Technology
z Camera	Model Name	HAC-002103-W1A

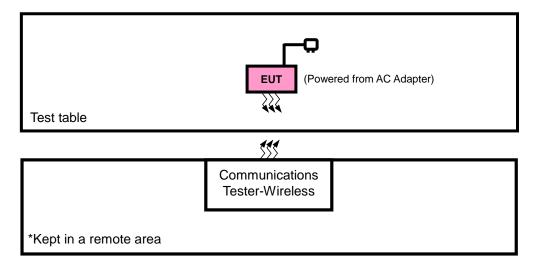
2. The above EUT information was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

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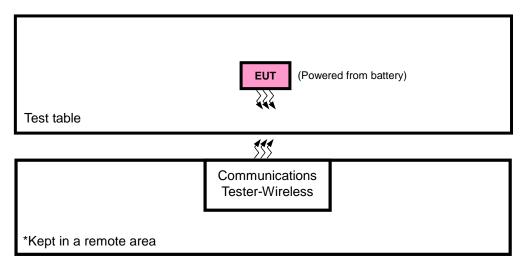


3.2 CONFIGURATION OF SYSTEM UNDER TEST

FOR RADIATION EMISSION TEST



FOR E.R.P. TEST



3.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units.

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3.4 TEST ITEM AND TEST CONFIGURATION

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports. The worst case was found when positioned on X-plane for ERP and Y-axis for radiated emission. Following channel(s) was (were) selected for the final test as listed below:

GSM MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
-	ERP	128 to 251	128, 189, 251	GPRS, EDGE
-	FREQUENCY STABILITY	128 to 251	189	GPRS, EDGE
-	OCCUPIED BANDWIDTH	128 to 251	128, 189, 251	GPRS, EDGE
-	BAND EDGE	128 to 251	128, 251	GPRS, EDGE
-	CONDCUDETED EMISSION	128 to 251	189	GPRS, EDGE
-	RADIATED EMISSION	128 to 251	189	GPRS, EDGE

WCDMA MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
-	ERP	4132 to 4233	4132, 4182, 4233	WCDMA
-	FREQUENCY STABILITY	4132 to 4233	4182	WCDMA
-	OCCUPIED BANDWIDTH	4132 to 4233	4132, 4182, 4233	WCDMA
-	BAND EDGE	4132 to 4233	4132, 4233	WCDMA
-	CONDCUDETED EMISSION	4132 to 4233	4182	WCDMA
-	RADIATED EMISSION	4132 to 4233	4182	WCDMA

TEST CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
ERP	25deg. C, 65%RH	7.4Vdc	Phoenix Chen
FREQUENCY STABILITY	25deg. C, 65%RH	7.4Vdc	Phoenix Chen
OCCUPIED BANDWIDTH	25deg. C, 65%RH	7.4Vdc	Phoenix Chen
BAND EDGE	25deg. C, 65%RH	7.4Vdc	Phoenix Chen
CONDCUDETED EMISSION	25deg. C, 65%RH	7.4Vdc	Phoenix Chen
RADIATED EMISSION	25deg. C, 65%RH	120Vac, 60Hz	Kay Wu

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3.5 EUT OPERATING CONDITIONS

The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency

3.6 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC 47 CFR Part 2 FCC 47 CFR Part 22 ANSI/TIA/EIA-603-C 2004

NOTE: All test items have been performed and recorded as per the above standards.

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4 TEST TYPES AND RESULTS

4.1 OUTPUT POWER MEASUREMENT

4.1.1 LIMITS OF OUTPUT POWER MEASUREMENT

Mobile / Portable station are limited to 7 watts e.r.p.

4.1.2 TEST PROCEDURES

EIRP / ERP MEASUREMENT:

- a. All measurements were done at low, middle and high operational frequency range. RBW and VBW is 1MHz for GPRS & EDGE and 5MHz for WCDMA mode.
- b. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- c. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a tx cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step b. Record the power level of S.G
- d. EIRP = Output power level of S.G TX cable loss + Antenna gain of substitution horn.E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.P.R power 2.15dBi.

CONDUCTED POWER MEASUREMENT:

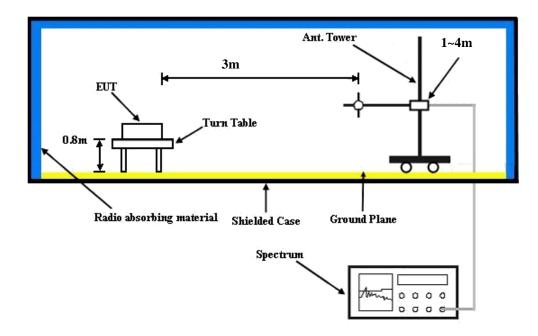
The EUT was set up for the maximum power with GPRS, EDGE & WCDMA link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

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4.1.3 TEST SETUP

EIRP / ERP MEASUREMENT:



For the actual test configuration, please refer to the attached file (Test Setup Photo).

CONDUCTED POWER MEASUREMENT:



For the actual test configuration, please refer to the attached file (Test Setup Photo).

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4.1.4 TEST RESULTS

AVERAGE CONDUCTED OUTPUT POWER (dBm)

Band		GPRS850	
Channel	128	189	251
Frequency (MHz)	824.2	836.4	848.8
GPRS 8 (GMSK, 1 slot)	31.82	31.86	31.87
GPRS 10 (GMSK, 2 slot)	31.52	31.71	31.76
EDGE 8 (GMSK, 1 slot)	26.24	26.40	26.57
EDGE 10 (GMSK, 2 slot)	26.13	26.29	26.46
EDGE 11 (GMSK, 3 slot)	26.00	26.12	26.28
EDGE 12 (GMSK, 4 slot)	25.57	25.63	25.80
EDGE 8 (8PSK, 1 slot)	25.48	25.66	25.84
EDGE 10 (8PSK, 2 slot)	25.46	25.57	25.73
EDGE 11 (8PSK, 3 slot)	25.40	25.41	25.59
EDGE 12 (8PSK, 4 slot)	25.37	25.36	25.56

Band	WCDMA V		
Channel	4132	4182	4233
Frequency (MHz)	826.4	836.4	846.6
RMC 12.2K	22.50	22.37	22.59
HSDPA Subtest-1	21.77	21.83	22.00
HSDPA Subtest-2	21.99	21.85	22.13
HSDPA Subtest-3	21.47	21.42	21.62
HSDPA Subtest-4	21.55	21.52	21.60
HSUPA Subtest-1	21.42	21.57	21.53
HSUPA Subtest-2	20.46	20.40	20.60
HSUPA Subtest-3	20.61	20.60	20.89
HSUPA Subtest-4	20.56	20.74	20.74
HSUPA Subtest-5	21.92	21.95	22.06

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AVERAGE ERP POWER (dBm)

GPRS 850

Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(W)	Polarization (H/V)
	128	824.2	-0.22	32.62	30.25	1.06	Н
	189	836.4	-0.18	32.52	30.19	1.04	Н
V	251	848.8	-1.31	32.65	29.19	0.83	Н
Х	128	824.2	-12.84	32.76	17.77	0.06	V
	189	836.4	-13.16	32.39	17.08	0.05	V
	251	848.8	-11.69	32.54	18.70	0.07	V

EDGE 850

Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(W)	Polarization (H/V)
	128	824.2	-6.45	32.62	24.02	0.25	Н
	189	836.4	-6.64	32.52	23.73	0.24	Н
V	251	848.8	-6.90	32.65	23.60	0.23	Н
Х	128	824.2	-18.95	32.76	11.66	0.01	V
	189	836.4	-19.52	32.39	10.72	0.01	V
	251	848.8	-18.41	32.54	11.98	0.02	V

WCDMA 850

Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(W)	Polarization (H/V)
	4132	826.4	-9.46	32.62	21.01	0.13	Н
	4182	836.4	-9.71	32.52	20.66	0.12	Н
l x	4233	846.6	-10.89	32.65	19.61	0.09	Н
^	4132	826.4	-23.52	32.76	7.09	0.01	V
	4182	836.4	-22.20	32.39	8.04	0.01	V
	4233	846.6	-21.19	32.54	9.20	0.01	V

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4.2 FREQUENCY STABILITY MEASUREMENT

4.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

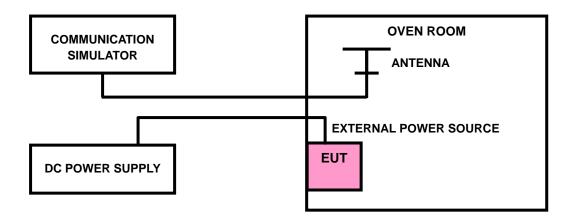
1.5 ppm is for base and fixed station. 2.5 ppm is for mobile station.

4.2.2 TEST PROCEDURE

- a. Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
- b. EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
- c. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the $\pm 0.5^{\circ}$ C during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

NOTE: The frequency error was recorded frequency error from the communication simulator.

4.2.3 TEST SETUP



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4.2.4 TEST RESULTS

FREQUENCY ERROR VS. VOLTAGE

VOLTACE (Volta)	FRE	LIMIT (ppm)		
VOLTAGE (Volts)	GPRS	EDGE	GE WCDMA	
7.7	0.03	-0.01	0.01	2.5
7.0	0.03	-0.01	0.00	2.5
8.4	0.03	-0.01	0.00	2.5

NOTE: The applicant defined the normal working voltage of the battery is from 7.0Vdc to 8.4Vdc.

FREQUENCY ERROR vs. TEMPERATURE.

TEMP. (°C)	FRE	LIMIT (nnm)			
TEMP. (C)	GPRS EDGE		WCDMA	LIMIT (ppm)	
-10	0.027	-0.011	0.004	2.5	
0	0.028	-0.011	0.004	2.5	
10	0.027	0.012	0.004	2.5	
20	0.027	-0.012	0.004	2.5	
30	0.027	-0.016	0.004	2.5	
40	0.027	0.012	0.004	2.5	
50	0.028	0.014	0.004	2.5	

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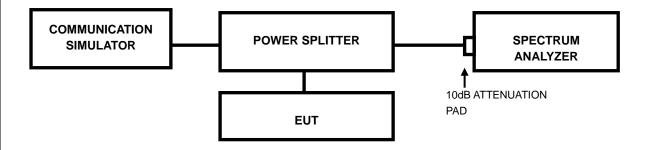


4.3 OCCUPIED BANDWIDTH MEASUREMENT

4.3.1 TEST PROCEDURES

The EUT makes a call to the communication simulator. All measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

4.3.2 TEST SETUP



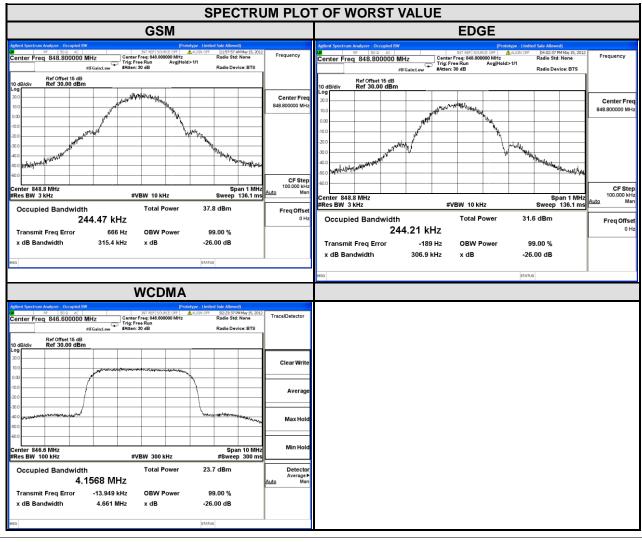
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4.3.3 TEST RESULTS

CHANNEL	FREQUENCY (MHz)	99% OCCUPIED BANDWIDTH (kHz) GPRS EDGE		CHANNEL	FREQUENCY (MHz)	99% OCCUPIED BANDWIDTH (MHz) WCDMA
128	824.2	243.57	243.81	4132	826.4	4.15
189	836.4	241.80	241.69	4182	836.4	4.15
251	848.8	244.47	244.21	4233	846.6	4.16

CHANNEL	FREQUENCY	26dB BAND	WIDTH (kHz)	CHANNEL	FREQUENCY	26dB BANDWIDTH (MHz)
	(MHz)	GPRS	EDGE		(MHz)	WCDMA
128	824.2	313.60	305.00	4132	826.4	4.66
189	836.4	315.60	300.60	4182	836.4	4.66
251	848.8	315.40	306.90	4233	846.6	4.66



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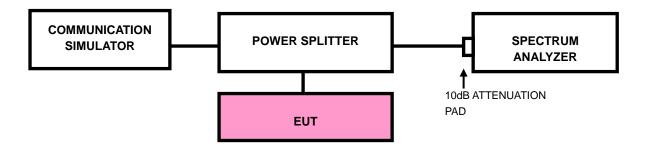


4.4 BAND EDGE MEASUREMENT

4.4.1 LIMITS OF BAND EDGE MEASUREMENT

Power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

4.4.2 TEST SETUP



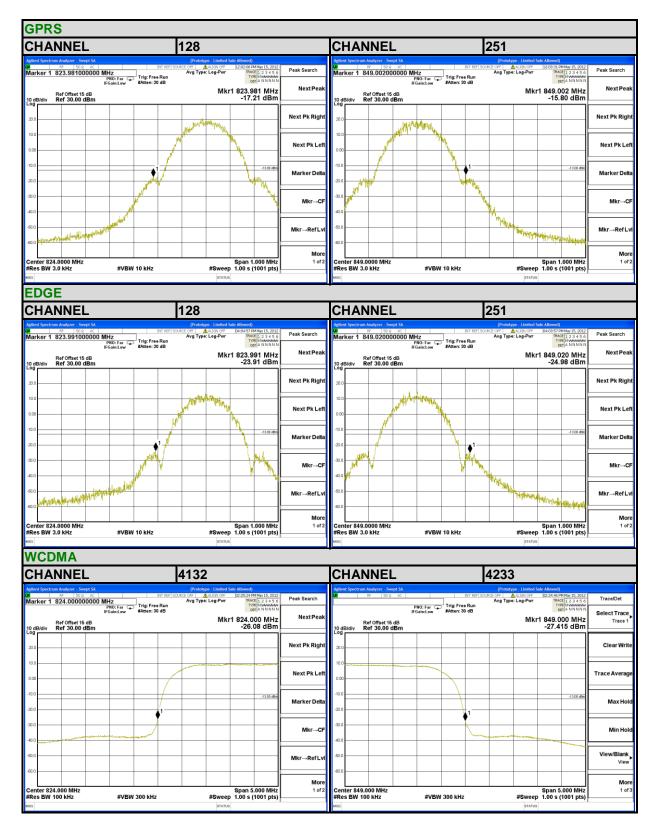
4.4.3 TEST PROCEDURES

- a. All measurements were done at low and high operational frequency range.
- b. The center frequency of spectrum is the band edge frequency and span is 1.0 MHz. RB of the spectrum is 3kHz and VB of the spectrum is 10kHz (GPRS / EDGE).
- c. The center frequency of spectrum is the band edge frequency and span is 5MHz. RB of the spectrum is 100kHz and VB of the spectrum is 300kHz (WCDMA).
- d. Record the max trace plot into the test report.

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4.4.4 TEST RESULTS





4.5 CONDUCTED SPURIOUS EMISSIONS

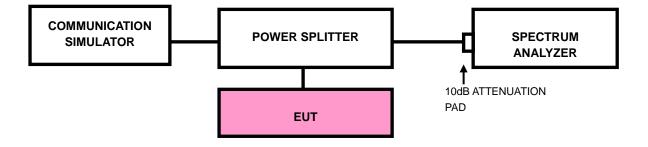
4.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P) dB$. The emission limit equal to -13dBm.

4.5.2 TEST PROCEDURE

- a. The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- b. Measuring frequency range is from 30MHz to 9GHz. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

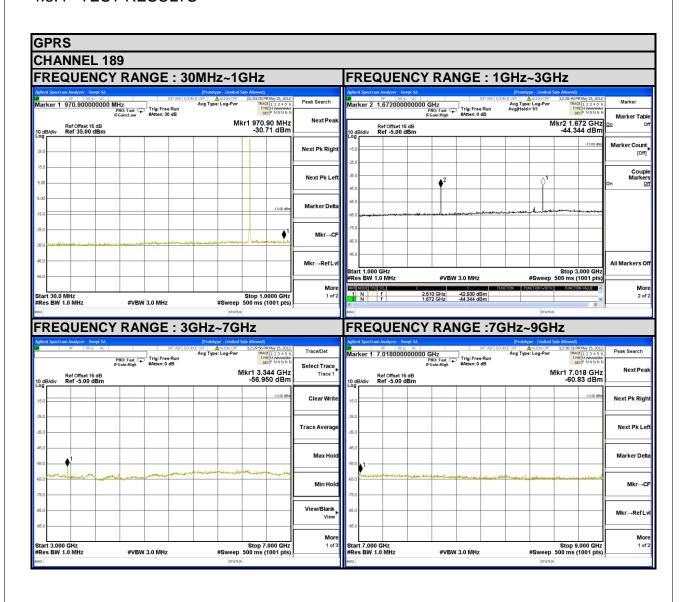
4.5.3 TEST SETUP



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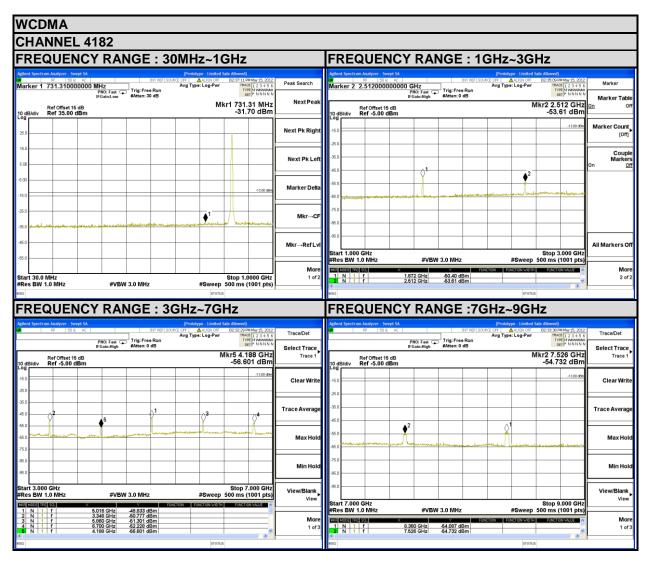
4.5.4 TEST RESULTS













4.6 RADIATED EMISSION MEASUREMENT

4.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P) dB$. The emission limit equal to -13dBm.

4.6.2 TEST PROCEDURES

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G
- c. EIRP = Output power level of S.G TX cable loss + Antenna gain of substitution horn.
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.P.R power 2.15dBi.

NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

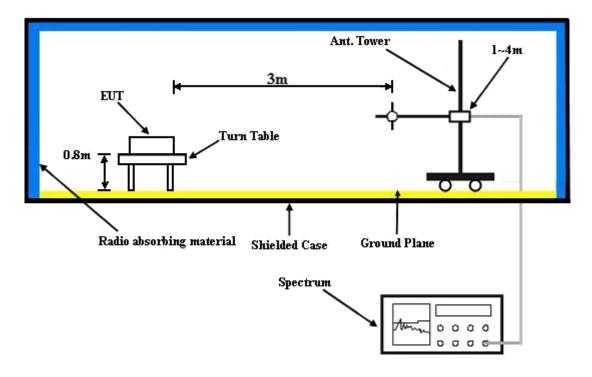
4.6.3 DEVIATION FROM TEST STANDARD

No deviation

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4.6.4 TEST SETUP



For the actual test configuration, please refer to the attached file (Test Setup Photo).

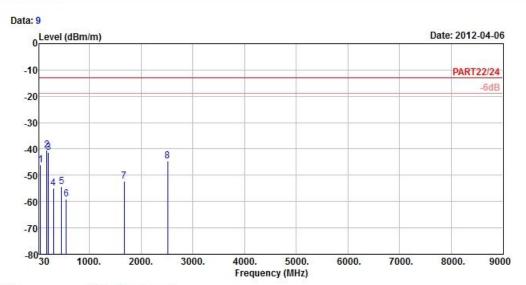


4.6.5 TEST RESULTS

GPRS



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition : PART22/24 3m EIRP_RSE_1G~19G_3 HORIZONTAL

Brand/Model: SKU3

Remark : GPRS850 Link

Tested by : Kay Wu Temprature : 25°C Humidity : 65% Plane : Y

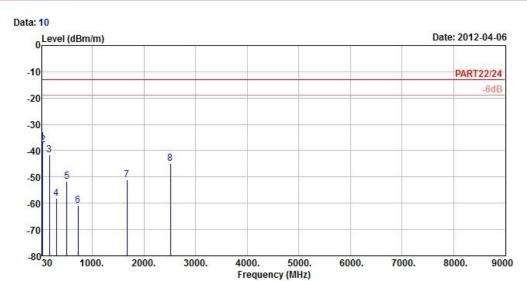
		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
		MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1		57.27	-45.96	-40.31	-13.00	-32.96	-5.65	Peak
2	pp	173.10	-40.51	-33.74	-13.00	-27.51	-6.77	Peak
3		203.88	-41.29	-33.51	-13.00	-28.29	-7.78	Peak
4		302.10	-55.04	-48.68	-13.00	-42.04	-6.36	Peak
5		458.90	-54.45	-50.31	-13.00	-41.45	-4.14	Peak
6		547.80	-58.93	-57.14	-13.00	-45.93	-1.79	Peak
7		1672.80	-52.28	-39.46	-13.00	-39.28	-12.82	Peak
8		2509.20	-44.63	-35.46	-13.00	-31.63	-9.17	Peak

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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition : PART22/24 3m EIRP_RSE_1G~19G_3 VERTICAL

Brand/Model: SKU3

Remark : GPRS850 Link

Tested by : Kay Wu
Temprature : 25°C
Humidity : 65%
Plane : Y

Read Limit Over Freq Level Level Line Limit Factor Remark MHz dBm/m dBm dBm/m dB/m 1 pp 32.70 -36.62 -35.51 -13.00 -23.62 -1.11 Peak 2 39.99 -37.90 -36.37 -13.00 -24.90 -1.53 Peak 3 164.46 -41.60 -35.00 -13.00 -28.60 -6.60 Peak 300.00 -58.09 -51.71 -13.00 -45.09 4 -6.38 Peak 506.50 -51.59 -48.66 -13.00 -38.59 -2.93 Peak 5 721.40 -60.86 -62.46 -13.00 -47.86 6 1.60 Peak 7 1672.80 -51.04 -38.22 -13.00 -38.04 -12.82 Peak 8 2509.20 -44.87 -35.70 -13.00 -31.87 -9.17 Peak

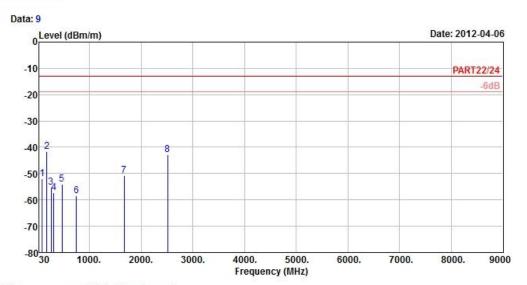
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EDGE



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition : PART22/24 3m EIRP_RSE_1G~19G_3 HORIZONTAL

Brand/Model: SKU3

: GPRS850 Link Remark

Tested by : Kay Wu Temprature : 25℃ Humidity : 65% Plane : Y

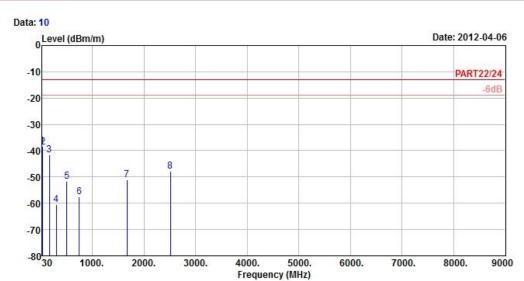
		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
		MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1		85.89	-51.91	-41.45	-13.00	-38.91	-10.46	Peak
2	pp	173.37	-41.69	-34.92	-13.00	-28.69	-6.77	Peak
3		260.85	-55.14	-49.31	-13.00	-42.14	-5.83	Peak
4		309.10	-57.38	-51.07	-13.00	-44.38	-6.31	Peak
5		467.30	-54.12	-50.20	-13.00	-41.12	-3.92	Peak
6		748.70	-58.42	-60.20	-13.00	-45.42	1.78	Peak
7		1672.80	-50.84	-38.02	-13.00	-37.84	-12.82	Peak
8		2509.20	-42.76	-33.59	-13.00	-29.76	-9.17	Peak

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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition : PART22/24 3m EIRP_RSE_1G~19G_3 VERTICAL

Brand/Model: SKU3

Remark : GPRS850 Link

Tested by : Kay Wu Temprature : 25℃ Humidity : 65% Plane : Y

Read Limit Over Freq Level Level Line Limit Factor Remark MHz dBm/m dBm dBm/m dB/m 1 pp 32.16 -38.50 -38.11 -13.00 -25.50 -0.39 Peak 2 39.99 -38.76 -37.23 -13.00 -25.76 -1.53 Peak 3 165.81 -41.56 -34.94 -13.00 -28.56 -6.62 Peak 300.70 -60.52 -54.15 -13.00 -47.52 -6.37 Peak 4 504.40 -51.66 -48.68 -13.00 -38.66 -2.98 Peak 5 748.70 -57.65 -59.43 -13.00 -44.65 6 1.78 Peak 7 1672.80 -50.96 -38.14 -13.00 -37.96 -12.82 Peak 2509.20 -47.75 -38.58 -13.00 -34.75 -9.17 Peak

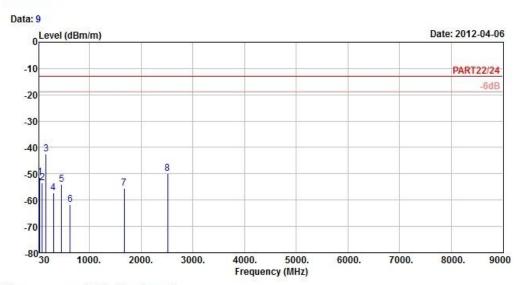
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WCDMA



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition : PART22/24 3m EIRP_RSE_1G~19G_3 HORIZONTAL

Brand/Model: SKU3 Remark : Band V Link Tested by : Kay Wu Temprature : 25℃

Humidity : 65% Plane : γ

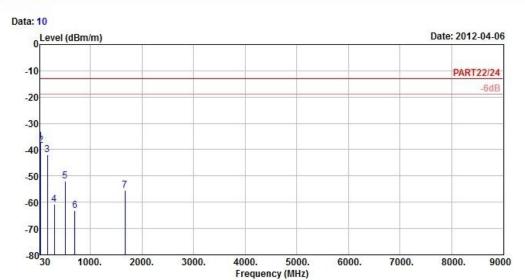
			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
£ <u>¥</u>	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	39.99	-51.49	-49.96	-13.00	-38.49	-1.53	Peak
2	86.70	-53.39	-42.93	-13.00	-40.39	-10.46	Peak
3 pp	162.84	-42.47	-35.90	-13.00	-29.47	-6.57	Peak
4	300.70	-57.36	-50.99	-13.00	-44.36	-6.37	Peak
5	459.60	-54.02	-49.90	-13.00	-41.02	-4.12	Peak
6	626.20	-61.70	-61.82	-13.00	-48.70	0.12	Peak
7	1672.80	-55.37	-42.55	-13.00	-42.37	-12.82	Peak
8	2509.20	-49.97	-40.80	-13.00	-36.97	-9.17	Peak

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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition : PART22/24 3m EIRP_RSE_1G~19G_3 VERTICAL

Brand/Model: SKU3

Remark : Band V Link Tested by : Kay Wu Temprature : 25℃ Humidity : 65% Plane : Y

Tune	Frea	Lovel	Read Level	Limit		Eacton	Romank
	rreq	rever	rever	LINE	LIMITC	ractor	Kelliai K
% <u>-</u>	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1 pp	32.70	-36.79	-35.68	-13.00	-23.79	-1.11	Peak
2	39.99	-38.42	-36.89	-13.00	-25.42	-1.53	Peak
3	165.81	-41.83	-35.21	-13.00	-28.83	-6.62	Peak
4	300.00	-60.94	-54.56	-13.00	-47.94	-6.38	Peak
5	511.40	-51.98	-49.18	-13.00	-38.98	-2.80	Peak
6	702.50	-63.31	-64.77	-13.00	-50.31	1.46	Peak
7	1672.80	-55.61	-42.79	-13.00	-42.61	-12.82	Peak

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PHOTOGRAPHS OF THE TEST CONFIGURATION Please refer to the attached file (Test Setup Photo).

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6 INFORMATION ON THE TESTING LABORATORIES

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab: Hsin Chu EMC/RF Lab:

Tel: 886-2-26052180 Tel: 886-3-5935343 Fax: 886-2-26051924 Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety/Telecom Lab:

Tel: 886-3-3183232 Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com

Web Site: www.adt.com.tw

The address and road map of all our labs can be found in our web site also.

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7 APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING

CHANGES TO THE EUT BY THE LAB
No any modifications are made to the EUT by the lab during the test.
END

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