

FCC Test Report

(PART 22)

Report No.: RF150629C15

FCC ID: TS8ILP0001F

Test Model: ILP0001F

Received Date: Jun. 29, 2015

Test Date: Jul. 01, 2015 ~ Jul. 07, 2015

Issued Date: Nov. 13, 2015

Applicant: 3J Tech. Co., Ltd.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

(R.O.C)

Test Location: No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan

Hsien 333, Taiwan, R.O.C.





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Release Control Record

Issue No.	Description	Date Issued
RF150629C15	Original Release	Nov. 13, 2015



Certificate of Conformity 1

Product: IDEAL LIFE POD

Brand: IDEAL LIFE

Test Model: ILP0001F

Sample Status: Identical Prototype

Applicant: 3J Tech. Co., Ltd.

Test Date: Jul. 01, 2015 ~ Jul. 07, 2015

Standards: FCC Part 22, Subpart H

The above equipment 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:

| Specialist | Prepared by: | Specialist | Prepared by: | Prepared

Date: Nov. 13, 2015 Approved by:

Stanley Wu / Assistant Manager



2 Summary of Test Results

	Applied Standard: FCC Part 22 & Part 2					
FCC Clause	Test Item	Result	Remarks			
2.1046 22.913 (a)	Effective radiated power	PASS	Meet the requirement of limit.			
	Peak To Average Ratio	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	PASS	Meet the requirement of limit. Minimum passing margin is -15.20dB at 2509.20MHz.			

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	Expended Uncertainty (k=2) (±)
Conducted Emissions at mains ports	150kHz ~ 30MHz	2.44 dB
Redicted Emissions up to 1 CLIz	30MHz ~ 200MHz	2.93 dB
Radiated Emissions up to 1 GHz	200MHz ~1000MHz	2.95 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	2.26 dB
naulateu Emissions above 1 GHZ	18GHz ~ 40GHz	1.94 dB



2.2 Test Site and Instruments

Description & Manaufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
Test Receiver Agilent	N9038A	MY51210203	Jan.21, 2015	Jan.21, 2016
Spectrum Analyzer Agilent	N9010A	MY52220314	Sep.03, 2015	Sep.02, 2016
Spectrum Analyzer ROHDE & SCHWARZ	FSU43	101261	Dec. 10, 2014	Dec. 09, 2015
BILOG Antenna SCHWARZBECK	VULB9168	9168-472	Feb. 04, 2015	Feb. 04, 2016
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-969	Feb. 09, 2015	Feb. 09, 2016
HORN Antenna SCHWARZBECK	BBHA 9170	9170-480	Feb. 04, 2015	Feb. 04, 2016
Loop Antenna	EM-6879	269	Jul. 31, 2015	Jul. 30, 2016
Preamplifier EMCI	EMC 012645	980115	Dec. 12, 2014	Dec. 11, 2015
Preamplifier EMCI	EMC 184045	980116	Jan. 09, 2015	Jan. 08, 2016
Preamplifier EMCI	EMC 330H	980112	Dec. 27, 2014	Dec. 26, 2015
Power Meter Anritsu	ML2495A	1232002	Sep. 21, 2015	Sep. 20, 2016
Power Sensor Anritsu	MA2411B	1207325	Sep. 21, 2015	Sep. 20, 2016
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	Cable-CH10-03(2 50130/4)	Oct. 15, 2015	Oct. 14, 2016
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	Cable-Ch10-02(3 09219+295011)	Oct. 12, 2015	Oct. 11, 2016
RF Coaxial Cable Worken	8D-FB	Cable-Ch10-01	Oct. 15, 2015	Oct. 14, 2016
Software BV ADT	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
Radio Communication Analyzer	MT8820C	6201300640	Aug. 10, 2015	Aug. 09, 2017

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 10.
- 3. The horn antenna and preamplifier (model: EMC 184045) are used only for the measurement of emission frequency above 1GHz if tested.
- 4. The FCC Site Registration No. is 690701.
- 5. The IC Site Registration No. is IC7450F-10.



3 General Information

3.1 General Description of EUT

Product	IDEAL LIFE POD		
Brand	IDEAL LIFE		
Test Model	ILP0001F		
Status of EUT	Identical Prototype		
Power Supply Rating	6.3Vdc (adapter)		
	GSM/GPRS	GMSK	
Modulation Type	EDGE	GMSK, 8PSK	
	WCDMA	BPSK	
Francisco Danas	GSM/GPRS/EDGE	824.2 ~ 848.8 MHz	
Frequency Range	WCDMA	826.4 ~ 846.6 MHz	
Man EDD Damas	GSM	1064.14mW	
Max. ERP Power	WCDMA	112.72mW	
Fusicaion Decimates	GSM	244KGXW	
Emission Designator	WCDMA	4M16F9W	
Antenna Type	Fixed External Antenna		
Accessory Device	Refer to Note as below		
Data Cable Supplied	Refer to Note as below		

Note:

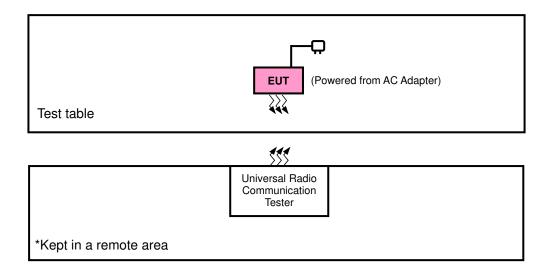
1. The EUT contains following accessory devices.

Product	Brand	Model	Description
Adapter	Dongguan Gaoyi	DSS1002 062062 W2 D	I/P: 100-240Vac, 50/60Hz, 0.2A
Adapter	Electronic Co., Ltd.	11001002-000000-442-0	I/P: 100-240Vac, 50/60Hz, 0.2A O/P: 6.3Vdc, 1.0A

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



3.2 Configuration of System Under Test



3.2.1 Description of Support Units

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



3.3 Test Mode Applicability and Tested Channel Detail

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 as the table below. Following channel(s) was (were) selected for the final test as listed below:

Band ERP Radiated B		Radiated Emission	
GSM Z-plane		Z-axis	
WCDMA	Z-plane	Z-axis	

GSM MODE

	dom mode					
EUT Configure Mode	Test Item	Available Channel	Tested Channel	Mode		
-	ERP	128 to 251	128, 189, 251	GSM		
-	Frequency Stability	128 to 251	189	GSM		
-	Occupied Bandwidth	128 to 251	128, 189, 251	GSM		
-	Band Edge	128 to 251	128, 251	GSM		
-	Peak to Average Ratio	128 to 251	128, 189, 251	GSM		
-	Condcudeted Emission	128 to 251	189	GSM		
-	Radiated Emission	128 to 251	189	GSM		

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
-	Peak to Average Ratio	4132 to 4233	4132, 4182, 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	6.3Vdc	Anson Lin
Frequency Stability	25deg. C, 65%RH	6.3Vdc	Luke Chen
Occupied Bandwidth	25deg. C, 65%RH	6.3Vdc	Luke Chen
Band Edge	25deg. C, 65%RH	6.3Vdc	Luke Chen
Peak to Average Ratio	25deg. C, 65%RH	6.3Vdc	Luke Chen
Condcudeted Emission	25deg. C, 65%RH	6.3Vdc	Luke Chen
Radiated Emission	25deg. C, 65%RH	120Vac, 60Hz	Anson Lin

3.4 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.

3.5 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.



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 GSM, GPRS & EDGE, and 5MHz for WCDMA & CDMA, and 10MHz for LTE 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.

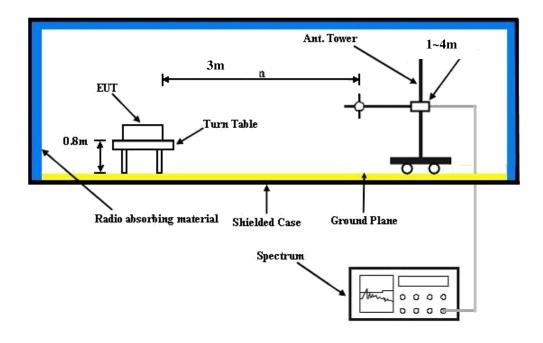
Conducted Power Measurement:

The EUT was set up for the maximum power with GSM, GPRS, EDGE, WCDMA, CDMA, and LTE 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.



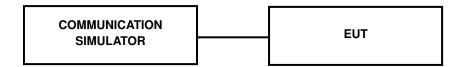
4.1.3 Test Setup

EIRP / ERP MEASUREMENT:



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

CONDUCTED POWER MEASUREMENT:





4.1.4 Test Results

CONDUCTED OUTPUT POWER (dBm)

Band	GSM850		
Channel	128	189	251
Frequency (MHz)	824.2	836.4	848.8
GPRS 8	32.32	32.23	32.00
GPRS 10	32.22	32.07	31.83
EDGE 8	26.82	26.73	26.50
EDGE 10	26.57	26.48	26.25
EDGE 11	26.23	26.14	25.91
EDGE 12	25.92	25.83	25.60

Band		WCDMA V	
Channel	4132	4182	4233
Frequency (MHz)	826.4	836.4	846.6
RMC 12.2K	22.45	22.58	22.44
HSDPA Subtest-1	22.19	22.28	22.04
HSDPA Subtest-2	22.20	22.30	22.03
HSDPA Subtest-3	21.79	21.92	21.47
HSDPA Subtest-4	21.79	21.92	21.47
HSUPA Subtest-1	21.73	22.16	21.16
HSUPA Subtest-2	20.61	20.86	20.21
HSUPA Subtest-3	20.78	20.85	20.47
HSUPA Subtest-4	21.24	21.16	20.68
HSUPA Subtest-5	22.10	22.10	21.80



ERP POWER (dBm)

				GSM			
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)
	128	824.2	-1.02	32.62	29.45	881.05	
	189	836.4	-0.10	32.52	30.27	1064.14	Н
7	251	848.8	-1.25	32.65	29.25	841.40	
	128	824.2	-8.52	32.76	22.09	161.81	
	189	836.4	-8.03	32.39	22.21	166.34	V
	251	848.8	-8.25	32.54	22.14	163.68	

				WCDMA			
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)
	4132	826.4	-9.98	32.62	20.49	111.94	
	4182	836.4	-9.85	32.52	20.52	112.72	Н
Z	4233	846.6	-10.05	32.65	20.45	110.92	
	4132	826.4	-18.66	32.76	11.95	15.67	
	4182	836.4	-18.03	32.39	12.21	16.63	V
	4233	846.6	-18.35	32.54	12.04	16.00	



4.2 Frequency Stability Measurement

4.2.1 Limits of Frequency Stability Measurement

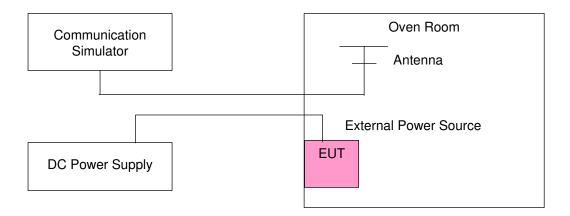
1.5 ppm is for base and fixed station. 2.5 ppm is for mobile station.

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 ± 0.5 °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





4.2.4 Test Results

Frequency Error vs. Voltage

V/ II	Frequency		
Voltage (Volts)	GSM	WCDMA	Limit (ppm)
6.0	-0.003	0.002	2.5
6.3	0.002	0.004	2.5
12.0	0.004	0.003	2.5

NOTE: The applicant defined the normal working voltage of the battery is from 6.0Vdc to 12.0Vdc.

Frequency Error vs. Temperature

	Frequency	Frequency Error (ppm)					
Temp. (°C)	GSM	WCDMA	Limit (ppm)				
-30	-0.004	-0.003	2.5				
-20	-0.005	-0.004	2.5				
-10	-0.001	-0.002	2.5				
0	-0.003	0.003	2.5				
10	0.004	0.005	2.5				
20	0.003	0.006	2.5				
30	0.006	0.001	2.5				
40	0.005	-0.003	2.5				
50	-0.002	-0.005	2.5				
55	-0.007	-0.004	2.5				

Note:

- 1. The applicant declared that the normal operating temperature of the EUT is from -30°C to 55°C.
- 2. The EUT would shut down automatically as below -30 $^{\circ}\text{C}.$

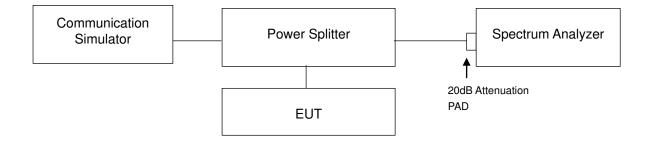


4.3 Occupied Bandwidth Measurement

4.3.1 Test Procedure

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.

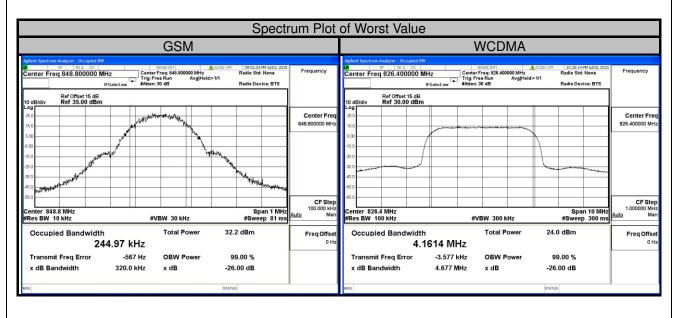
4.3.2 Test Setup





4.3.3 Test Result

Channel	Frequency (MHz)	99% Occupied Bandwidth (kHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
		GSM			WCDMA
128	824.2	244.05	4132	826.4	4.1614
189	836.4	243.47	4182	836.4	4.1437
251	848.8	244.97	4233	846.6	4.1382



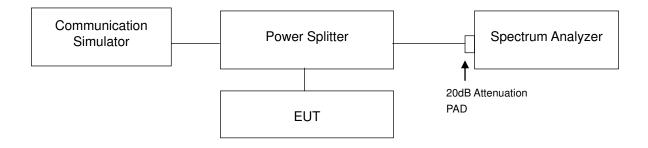


4.4 Band Edge Measurement

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

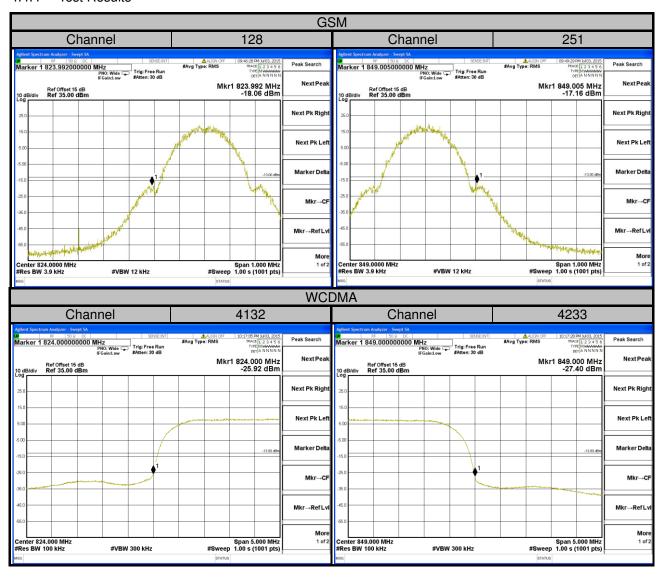


4.4.3 Test Procedures

- 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 1MHz. RB of the spectrum is 3.9kHz and VB of the spectrum is 12kHz (GSM/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.



4.4.4 Test Results



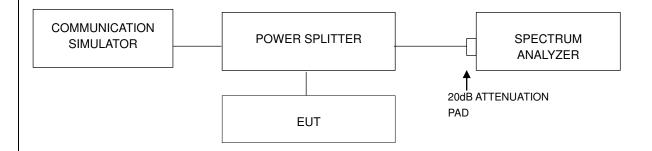


4.5 Peak To Average Ratio

4.5.1 Limits of Peak To Average Ratio Measurement

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

4.5.2 Test Setup



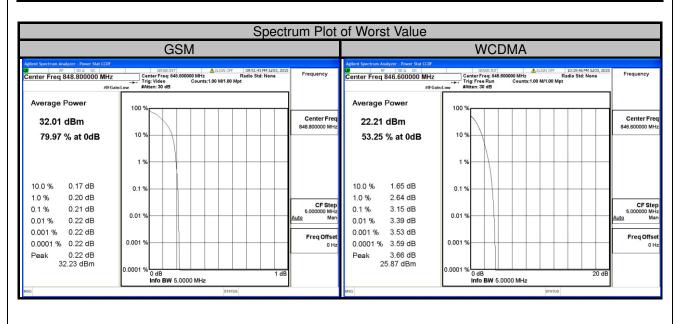
4.5.3 Test Procedures

- 1. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
- 2. Set the number of counts to a value that stabilizes the measured CCDF curve;
- 3. Record the maximum PAPR level associated with a probability of 0.1%.



4.5.4 Test Results

Channel	Frequency	Peak to Average Ratio (dB)	Channel	Frequency	Peak to Average Ratio (dB)
	(MHz)	GSM		(MHz)	WCDMA
128	824.2	0.20	4132	826.4	3.13
189	836.4	0.19	4182	836.4	3.08
251	848.8	0.21	4233	846.6	3.15



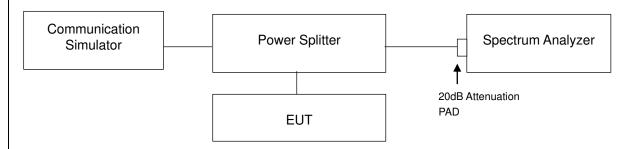


4.6 Conducted Spurious Emissions

4.6.1 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.

4.6.2 Test Setup

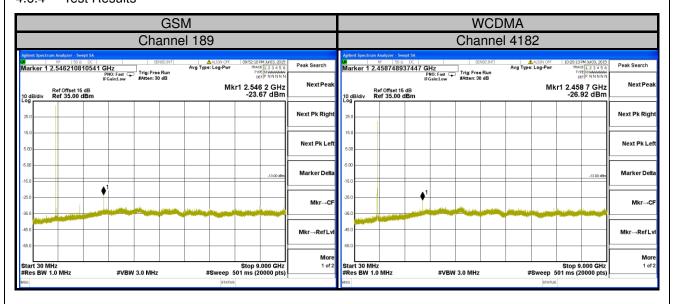


4.6.3 Test Procedure

- 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 9 kHz to 9GHz. 20dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.



4.6.4 Test Results





4.7 Radiated Emission Measurement

4.7.1 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 -13 dBm.

4.7.2 Test Procedure

- 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.

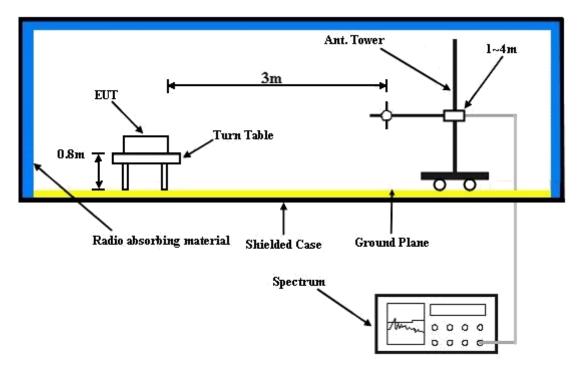
4.7.3 Deviation from Test Standard

No deviation.

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4.7.4 Test Setup



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

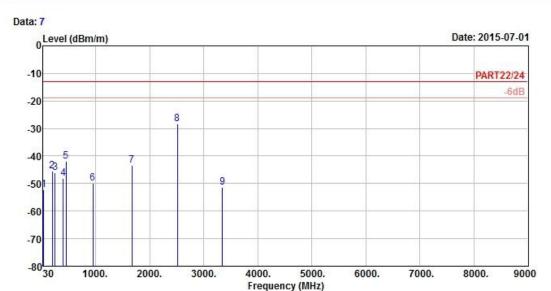


4.7.5 Test Results

GSM:



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 3m HORIZONTAL

Remark : GPRS 850 Link Tested by: Anson Lin

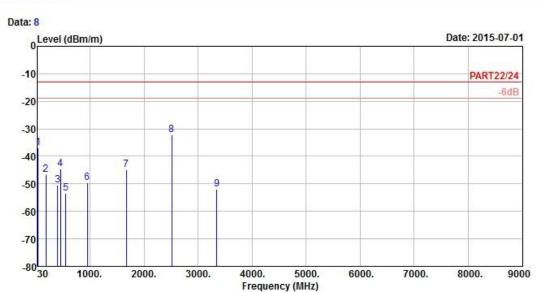
Plane : Z

Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm/m	dBm	dBm/m	dB	dB/m	3
39.70	-52.35	-52.99	-13.00	-39.35	0.64	Peak
200.72	-45.40	-37.42	-13.00	-32.40	-7.98	Peak
250.19	-45.93	-39.94	-13.00	-32.93	-5.99	Peak
400.54	-48.11	-42.17	-13.00	-35.11	-5.94	Peak
450.01	-41.85	-36.30	-13.00	-28.85	-5.55	Peak
950.53	-49.82	-51.65	-13.00	-36.82	1.83	Peak
1672.80	-43.39	-28.71	-13.00	-30.39	-14.68	Peak
2509.20	-28.20	-17.29	-13.00	-15.20	-10.91	Peak
3345.60	-51.39	-41.85	-13.00	-38.39	-9.54	Peak
	MHz 39.70 200.72 250.19 400.54 450.01 950.53 1672.80 2509.20	MHz dBm/m 39.70 -52.35 200.72 -45.40 250.19 -45.93 400.54 -48.11 450.01 -41.85 950.53 -49.82 1672.80 -43.39 2509.20 -28.20	Freq Level Level MHz dBm/m dBm 39.70 -52.35 -52.99 200.72 -45.40 -37.42 250.19 -45.93 -39.94 400.54 -48.11 -42.17 450.01 -41.85 -36.30 950.53 -49.82 -51.65 1672.80 -43.39 -28.71 2509.20 -28.20 -17.29	Freq Level Level Line MHz dBm/m dBm dBm/m 39.70 -52.35 -52.99 -13.00 200.72 -45.40 -37.42 -13.00 250.19 -45.93 -39.94 -13.00 400.54 -48.11 -42.17 -13.00 450.01 -41.85 -36.30 -13.00 950.53 -49.82 -51.65 -13.00 1672.80 -43.39 -28.71 -13.00 2509.20 -28.20 -17.29 -13.00	Freq Level Level Line Limit MHz dBm/m dBm/m dBm/m dB 39.70 -52.35 -52.99 -13.00 -39.35 200.72 -45.40 -37.42 -13.00 -32.40 250.19 -45.93 -39.94 -13.00 -32.93 400.54 -48.11 -42.17 -13.00 -35.11 450.01 -41.85 -36.30 -13.00 -28.85 950.53 -49.82 -51.65 -13.00 -36.82 1672.80 -43.39 -28.71 -13.00 -30.39 2509.20 -28.20 -17.29 -13.00 -15.20	Freq Level Level Line Limit Factor MHz dBm/m dBm dBm/m dB dB/m 39.70 -52.35 -52.99 -13.00 -39.35 0.64 200.72 -45.40 -37.42 -13.00 -32.40 -7.98 250.19 -45.93 -39.94 -13.00 -32.93 -5.99





Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 3m VERTICAL

Remark : GPRS 850 Link Tested by: Anson Lin

Plane : Z

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
9	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	40.67	-36.86	-36.98	-13.00	-23.86	0.12	Peak
2	182.29	-46.62	-39.28	-13.00	-33.62	-7.34	Peak
3	400.54	-50.59	-44.65	-13.00	-37.59	-5.94	Peak
4	450.01	-44.60	-39.05	-13.00	-31.60	-5.55	Peak
5	549.92	-53.34	-50.49	-13.00	-40.34	-2.85	Peak
6	950.53	-49.47	-51.30	-13.00	-36.47	1.83	Peak
7	1672.80	-44.81	-30.13	-13.00	-31.81	-14.68	Peak
8 pp	2509.20	-32.03	-21.12	-13.00	-19.03	-10.91	Peak
9	3345.60	-51.87	-42.33	-13.00	-38.87	-9.54	Peak



WCDMA:



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

6000.

7000.

8000.

9000



5000.

Frequency (MHz)

Site : 966 Chamber 5

2000.

Condition: PART22/24 3m HORIZONTAL

Remark : WCDMA Band V Tested by: Anson Lin

Plane : Z

-70

-80<mark>1000</mark>

Read Limit Over
Freq Level Level Line Limit Factor Remark

MHz dBm/m dBm dBm/m dB dB/m

4000.

1 pp 1672.80 -51.93 -37.25 -13.00 -38.93 -14.68 Peak

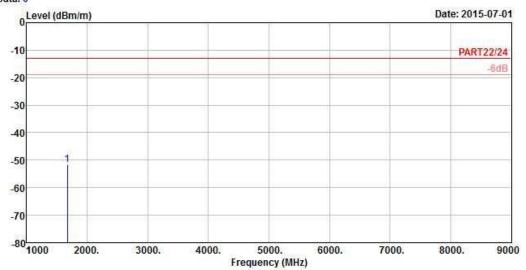
3000.





Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch





Site : 966 Chamber 5

Condition: PART22/24 3m VERTICAL

Remark : WCDMA Band V Tested by: Anson Lin

Plane : Z

Read Limit Over
Freq Level Level Line Limit Factor Remark

MHz dBm/m dBm dBm/m dB dB/m

1 pp 1672.80 -51.60 -36.92 -13.00 -38.60 -14.68 Peak



5 Pictures of Test Arrangements
Please refer to the attached file (Test Setup Photo).



Appendix - 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/Telecom Lab

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

Hwa Ya EMC/RF/Safety

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

Email: service.adt@tw.bureauveritas.com
Web Site: www.bureauveritas-adt.com

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

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