

FCC TEST REPORT

(PART 22)

REPORT NO.: RF120716C28-6

MODEL NO.: FJL21

FCC ID: YUW-FJL21

RECEIVED: Jul. 16, 2012

TESTED: Aug. 08 ~ Aug. 24, 2012

ISSUED: Aug. 27, 2012

APPLICANT: Fujitsu Mobile Communications Ltd.

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ISSUED BY: Bureau Veritas Consumer Products Services
(H.K.) Ltd., Taoyuan Branch

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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.	REASON FOR CHANGE	DATE ISSUED
RF120716C28-6	Original release	Aug. 27, 2012



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1 CERTIFICATION

PRODUCT: CDMA FJL21

MODEL NO.: FJL21

BRAND: Fujitsu Mobile Communications Ltd.

APPLICANT: Fujitsu Mobile Communications Ltd.

TESTED: Aug. 08 ~ Aug. 24, 2012

TEST SAMPLE: Engineering Sample

STANDARDS: FCC PART 22, Subpart H

The above equipment (model: FJL21) 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 : Andrea Hsia , DATE : Aug. 27, 2012
Andrea Hsia / Specialist

APPROVED BY : Gary Chang , DATE : Aug. 27, 2012
Gary Chang / Technical Manager

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	PASS	Meet the requirement of limit. Minimum passing margin is -37.30dB at 32.16MHz.

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
Radiated emissions	30MHz ~ 200MHz	2.93 dB
	200MHz ~1000MHz	2.95 dB
	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.

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

- 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.

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

EUT	CDMA FJL21
MODEL NO.	FJL21
POWER SUPPLY	3.7Vdc (Li-ion battery) 5.0Vdc (Adapter)
MODULATION TYPE	CDMA: QPSK WCDMA : BPSK
FREQUENCY RANGE	CDMA: 824.7MHz ~ 848.31MHz WCDMA: 826.4MHz ~ 846.6MHz
MAX. ERP POWER	CDMA: 0.2291W WCDMA: 0.1663W
WCDMA RELEASE VERSION	6
ANTENNA TYPE	$\lambda/4$ Monopole antenna with -3.46dBi gain
DATA CABLE	NA
I/O PORTS	Refer to user's manual
ACCESSORY DEVICES	Battery

NOTE:

1. The EUT consumes power from the following internal Li-ion battery.

BATTERY	
BRAND	SANYO
MODEL	FJI13UAA
RATING	3.7Vdc, 1800mAh, 6.7Wh

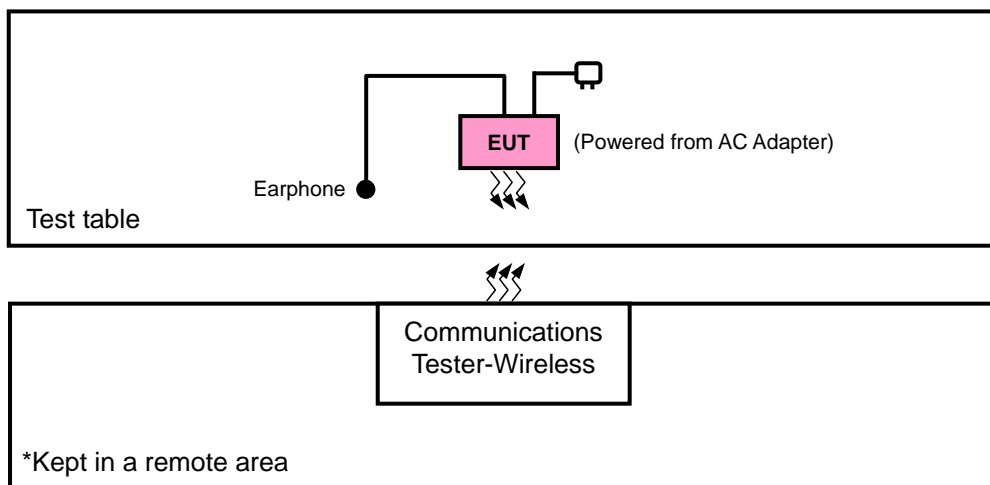
2. The following accessories are for support units only.

PRODUCT	BRAND	MODEL	DESCRIPTION
Adapter	HOSHIDEN	0204PTA	I/P: 100-240Vac, 220mA O/P: 5.0Vdc, 600mA
USB cable	NA	NA	0.9m non-shielded cable without core

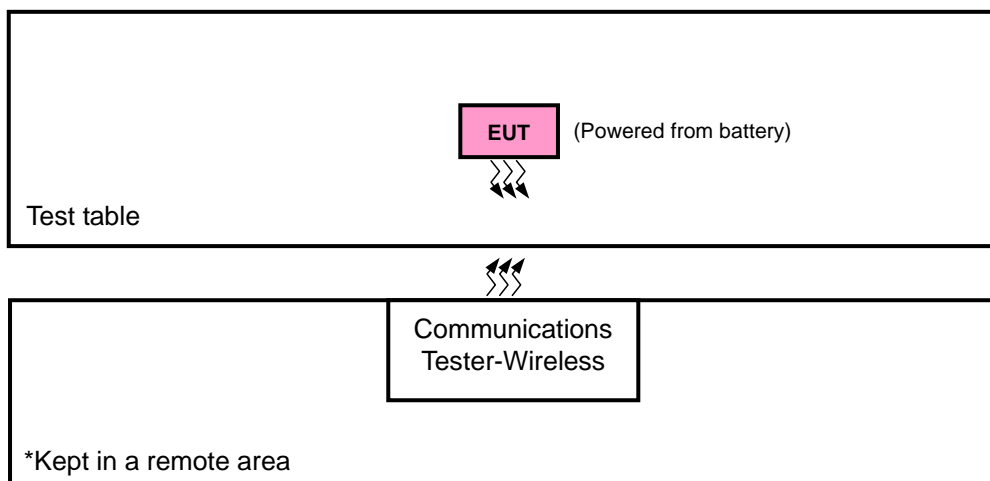
3. SW version is R23.5e.
4. HW version is V2.1.0.
5. IMEI Code: 353038050008468, 353038050008476.
6. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

3.2 CONFIGURATION OF SYSTEM UNDER TEST

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. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	EARPHONE	Apple	NA	NA	NA

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	1.15m non-shielded cable

NOTE: All power cords of the above support units are non shielded (1.8m).

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 Z-axis for CDMA and Y-axis for WCMA for radiated emission. Following channel(s) was (were) selected for the final test as listed below:

CDMA MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
-	ERP	1013 to 777	1013, 384, 777	RC3+SO55
-	FREQUENCY STABILITY	1013 to 777	384	RC3+SO55
-	OCCUPIED BANDWIDTH	1013 to 777	1013, 384, 777	RC3+SO55
-	BAND EDGE	1013 to 777	1013, 777	RC3+SO55
-	CONDCUDED EMISSION	1013 to 777	384	RC3+SO55
-	RADIATED EMISSION	1013 to 777	384	RC3+SO55

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
-	CONDCUDED 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	3.7Vdc	Phoenix Chen
FREQUENCY STABILITY	25deg. C, 65%RH	3.7Vdc	Phoenix Chen
OCCUPIED BANDWIDTH	25deg. C, 65%RH	3.7Vdc	Phoenix Chen
BAND EDGE	25deg. C, 65%RH	3.7Vdc	Phoenix Chen
CONDCUDED EMISSION	25deg. C, 65%RH	3.7Vdc	Phoenix Chen
RADIATED EMISSION	25deg. C, 65%RH	120Vac, 60Hz	Kay Wu

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.

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:

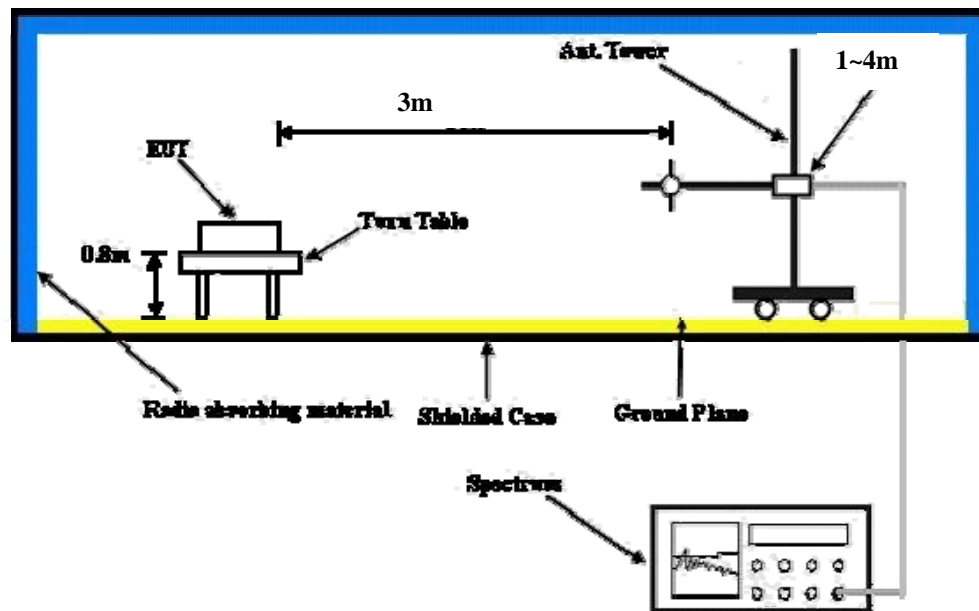
- a. All measurements were done at low, middle and high operational frequency range. RBW and VBW is 5MHz for CDMA and WCDMA mode.
- b. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to 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. $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, $E.R.P \text{ power} = E.I.P.R \text{ power} - 2.15\text{dBi}$.

CONDUCTED POWER MEASUREMENT:

The EUT was set up for the maximum power with CDMA & 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.

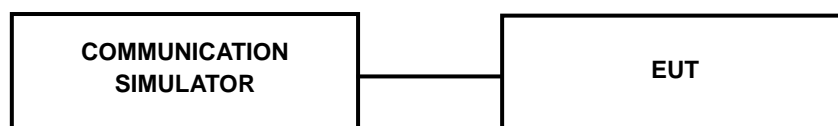
4.1.3 TEST SETUP

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).

4.1.4 TEST RESULTS

CONDUCTED OUTPUT POWER (dBm)

Band	CDMA2000 BC0		
Channel	1013	384	777
Frequency (MHz)	824.7	836.52	848.31
RC1+SO55	25.70	25.72	25.58
RC3+SO55	25.71	25.78	25.69
RC3+SO32(+ F-SCH)	25.64	25.63	25.48
RC3+SO32(+SCH)	25.67	25.70	25.47

Band	WCDMA V		
Channel	4132	4182	4233
Frequency (MHz)	826.4	836.4	846.6
RMC 12.2K	24.48	24.39	24.18
HSDPA Subtest-1	23.40	23.29	23.25
HSDPA Subtest-2	23.33	23.13	23.15
HSDPA Subtest-3	22.33	22.07	21.96
HSDPA Subtest-4	22.33	22.05	22.04
HSUPA Subtest-1	22.77	22.78	22.63
HSUPA Subtest-2	20.87	20.86	20.71
HSUPA Subtest-3	22.34	22.14	22.12
HSUPA Subtest-4	22.61	22.34	22.28
HSUPA Subtest-5	22.97	22.85	22.95

ERP POWER (dBm)

RC3+SO55

Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP (W)	Polarization (H/V)
X	1013	824.7	-6.87	32.62	23.60	0.2291	H
	384	836.52	-7.01	32.52	23.36	0.2168	H
	777	848.31	-6.90	32.65	23.60	0.2291	H
	1013	824.7	-15.75	32.76	14.86	0.0306	V
	384	836.52	-15.87	32.39	14.37	0.0274	V
	777	848.31	-15.45	32.54	14.94	0.0312	V

WCDMA

Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP (W)	Polarization (H/V)
X	4132	826.4	-8.26	32.62	22.21	0.1663	H
	4182	836.4	-8.35	32.52	22.02	0.1592	H
	4233	846.6	-8.48	32.65	22.02	0.1592	H
	4132	826.4	-16.81	32.76	13.80	0.0240	V
	4182	836.4	-16.35	32.39	13.89	0.0245	V
	4233	846.6	-16.73	32.54	13.66	0.0232	V

4.2 FREQUENCY STABILITY MEASUREMENT

4.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

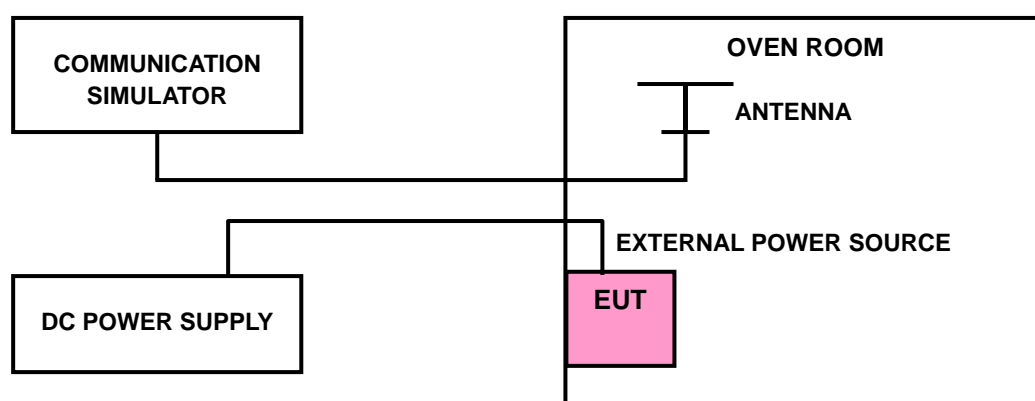
1.5 ppm is for base and fixed station. 2.5 ppm is for mobile station.

4.2.2 TEST PROCEDURE

- 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.
- 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.
- The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the $\pm 0.5^{\circ}\text{C}$ 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

VOLTAGE (Volts)	FREQUENCY ERROR (ppm)		LIMIT (ppm)
	RC3+SO55	WCDMA	
3.9	-0.011	-0.003	2.5
3.7	-0.010	-0.002	2.5
4.2	-0.010	-0.002	2.5

NOTE: The applicant defined the normal working voltage of the battery is from 3.7Vdc to 4.2Vdc.

FREQUENCY ERROR vs. TEMPERATURE.

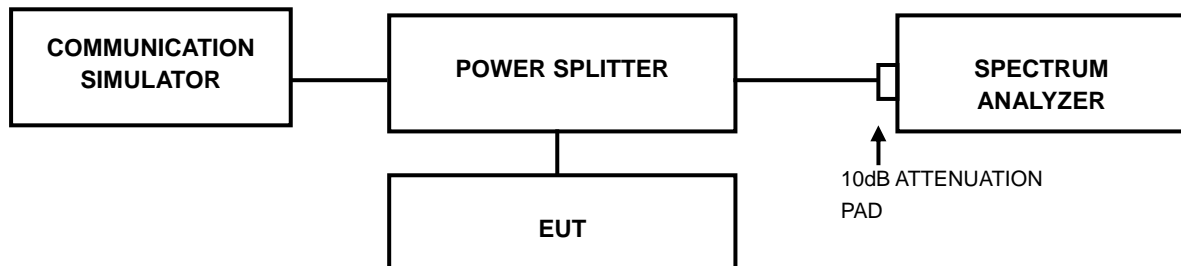
TEMP. (°C)	FREQUENCY ERROR (ppm)		LIMIT (ppm)
	RC3+SO55	WCDMA	
-30	-0.010	-0.003	2.5
-20	-0.008	-0.002	2.5
-10	-0.009	-0.002	2.5
0	-0.009	-0.002	2.5
10	-0.010	-0.002	2.5
20	-0.008	-0.003	2.5
30	-0.011	-0.002	2.5
40	-0.010	0.002	2.5
50	-0.009	-0.003	2.5
55	-0.010	-0.002	2.5

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

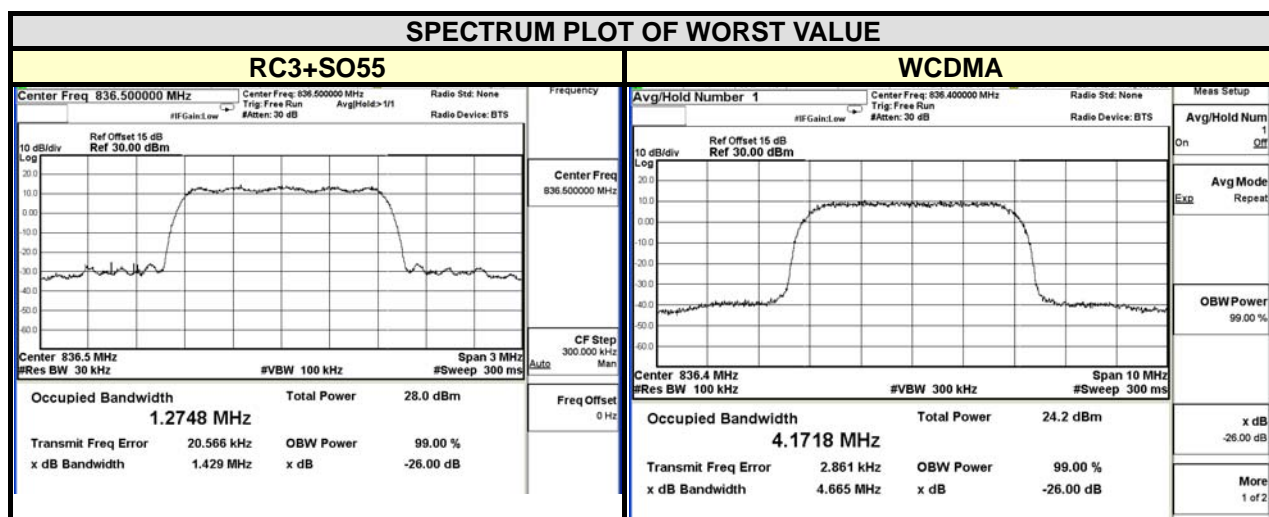




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4.3.3 TEST RESULTS

CHANNEL	FREQUENCY (MHz)	RC3+SO55		CHANNEL	FREQUENCY (MHz)	WCDMA	
		99% OCCUPIED BANDWIDTH (MHz)	26dB BANDWIDTH (MHz)			99% OCCUPIED BANDWIDTH (MHz)	26dB BANDWIDTH (MHz)
1013	824.70	1.2727	1.429	4132	826.4	4.1718	4.654
384	836.52	1.2748	1.429	4182	836.4	4.1718	4.665
777	848.31	1.2737	1.425	4233	846.6	4.1639	4.670

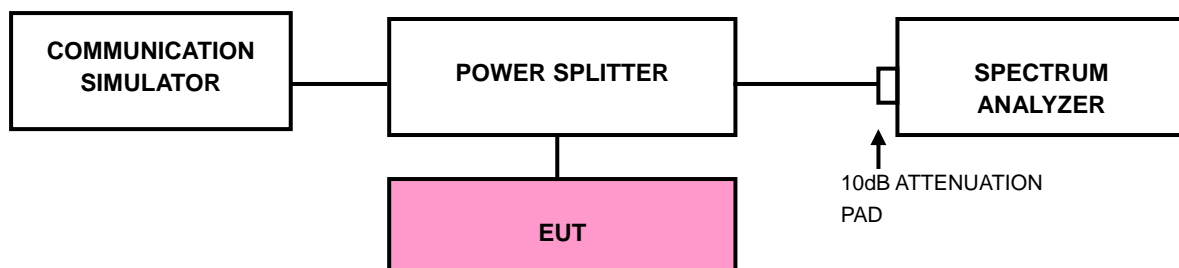


4.4 BAND EDGE MEASUREMENT

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



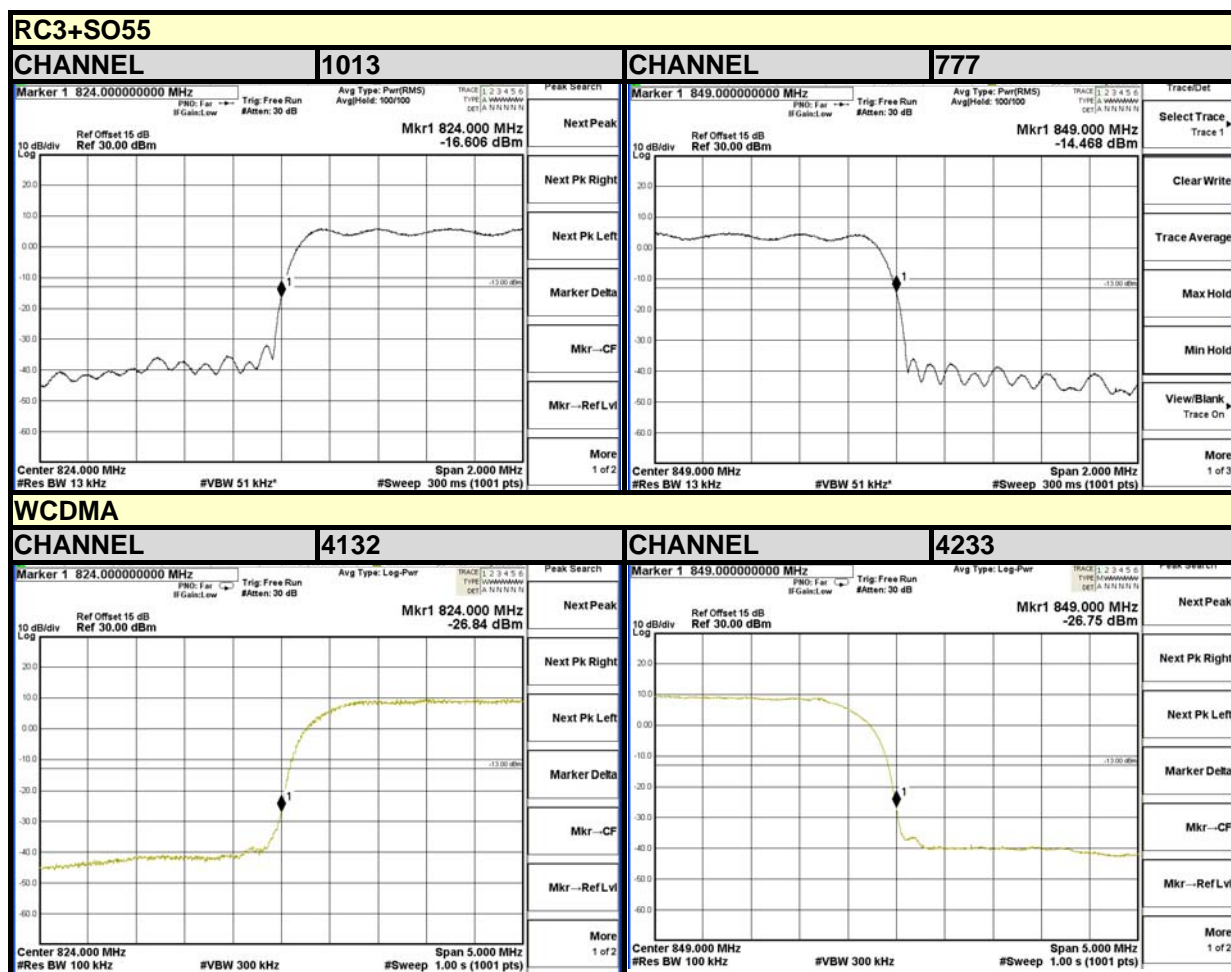
4.4.3 TEST PROCEDURES

- All measurements were done at low and high operational frequency range.
- The center frequency of spectrum is the band edge frequency and span is 2 MHz. RB of the spectrum is 13kHz and VB of the spectrum is 51kHz (CDMA).
- 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).
- Record the max trace plot into the test report.



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4.4.4 TEST RESULTS



4.5 CONDUCTED SPURIOUS EMISSIONS

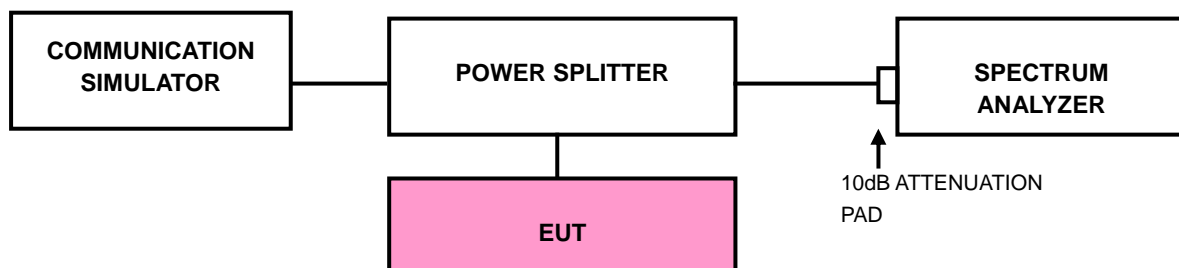
4.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

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

- The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- 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.

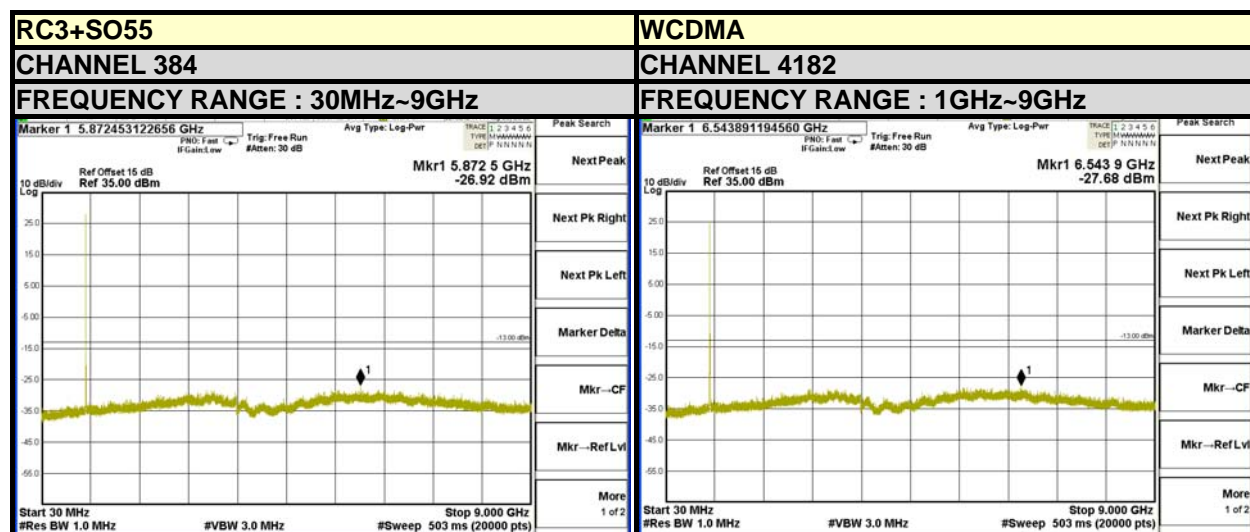
4.5.3 TEST SETUP





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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

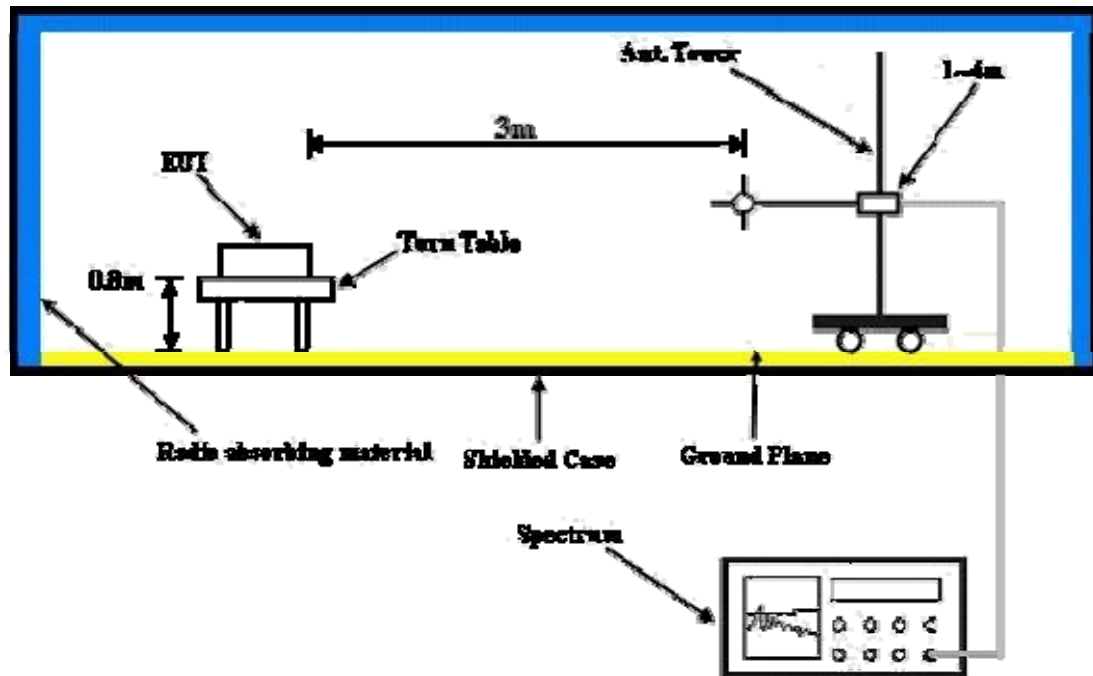
- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 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. $\text{EIRP} = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}.$
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole,
 $\text{E.R.P power} = \text{E.I.P.R power} - 2.15\text{dBi}.$

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

4.6.3 DEVIATION FROM TEST STANDARD

No deviation

4.6.4 TEST SETUP



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

4.6.5 TEST RESULTS

RC3+SO55

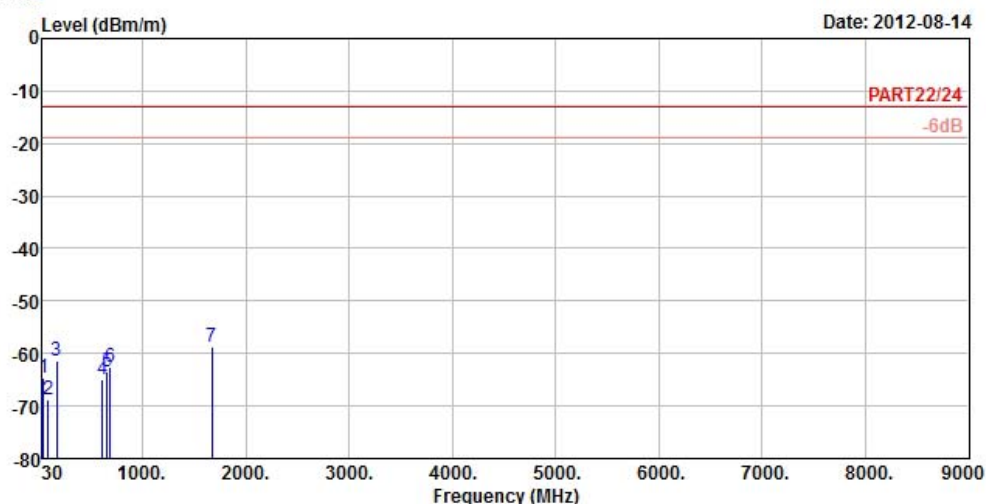


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

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Data: 9

Date: 2012-08-14



Site : 966 Chamber 5
Condition : PART22/24 3m EIRP_RSE_1G~19G_3 HORIZONTAL
Brand/Model: FJL21
Remark : 1XRTT850 Link
Tested by : Kay Wu
Temperature : 25°C
Humidity : 65%
Plane : Z

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	38.10	-64.75	-62.80	-13.00	-51.75	-1.95	Peak
2	88.59	-68.79	-58.27	-13.00	-55.79	-10.52	Peak
3	167.70	-61.48	-54.82	-13.00	-48.48	-6.66	Peak
4	609.40	-64.86	-64.67	-13.00	-51.86	-0.19	Peak
5	658.40	-63.52	-64.22	-13.00	-50.52	0.70	Peak
6	686.40	-62.66	-63.87	-13.00	-49.66	1.21	Peak
7 pp	1673.12	-58.82	-46.00	-13.00	-45.82	-12.82	Peak



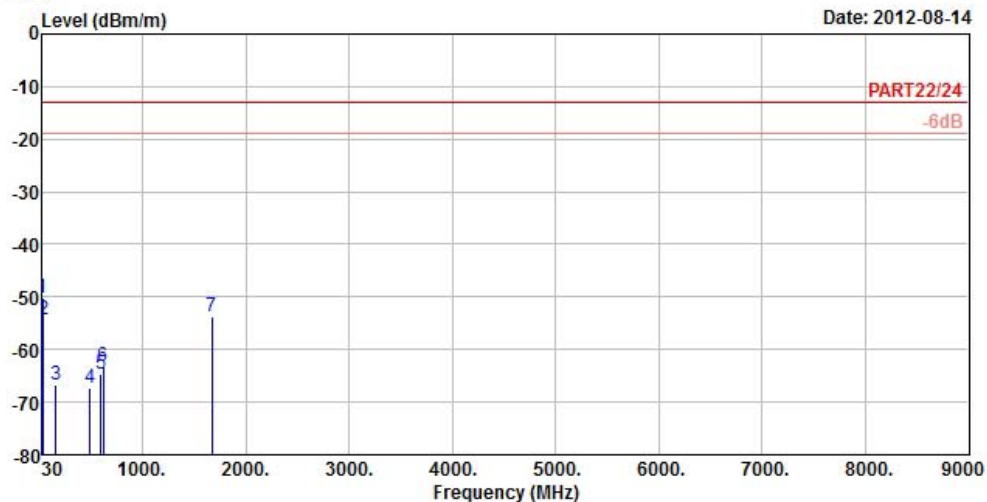
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

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Data: 10



Site : 966 Chamber 5
Condition : PART22/24 3m EIRP_RSE_1G~19G_3 VERTICAL
Brand/Model: FJL21
Remark : 1XRTT850 Link
Tested by : Kay Wu
Temperature : 25°C
Humidity : 65%
Plane : Z

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1 pp	32.16	-50.30	-49.91	-13.00	-37.30	-0.39	Peak
2	38.91	-54.26	-52.52	-13.00	-41.26	-1.74	Peak
3	162.84	-66.67	-60.10	-13.00	-53.67	-6.57	Peak
4	489.70	-67.44	-64.08	-13.00	-54.44	-3.36	Peak
5	593.30	-64.61	-64.07	-13.00	-51.61	-0.54	Peak
6	619.90	-63.24	-63.24	-13.00	-50.24	0.00	Peak
7	1673.12	-53.82	-41.00	-13.00	-40.82	-12.82	Peak



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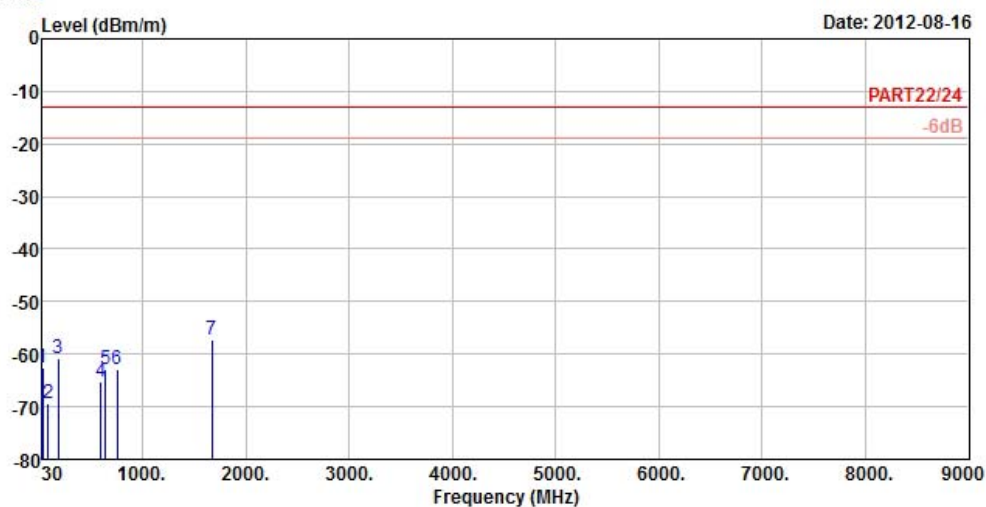
WCDMA



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9



Site : 966 Chamber 5
Condition : PART22/24 3m EIRP_RSE_1G~19G_3 HORIZONTAL
Brand/Model: FJL21
Remark : Band V Link
Tested by : Kay Wu
Temperature : 25°C
Humidity : 65%
Plane : Y

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	32.16	-62.73	-62.34	-13.00	-49.73	-0.39	Peak
2	88.05	-69.42	-58.90	-13.00	-56.42	-10.52	Peak
3	182.28	-60.93	-55.03	-13.00	-47.93	-5.90	Peak
4	594.70	-65.14	-64.63	-13.00	-52.14	-0.51	Peak
5	643.70	-62.95	-63.39	-13.00	-49.95	0.44	Peak
6	752.20	-62.98	-64.79	-13.00	-49.98	1.81	Peak
7 pp	1672.80	-57.29	-44.47	-13.00	-44.29	-12.82	Peak



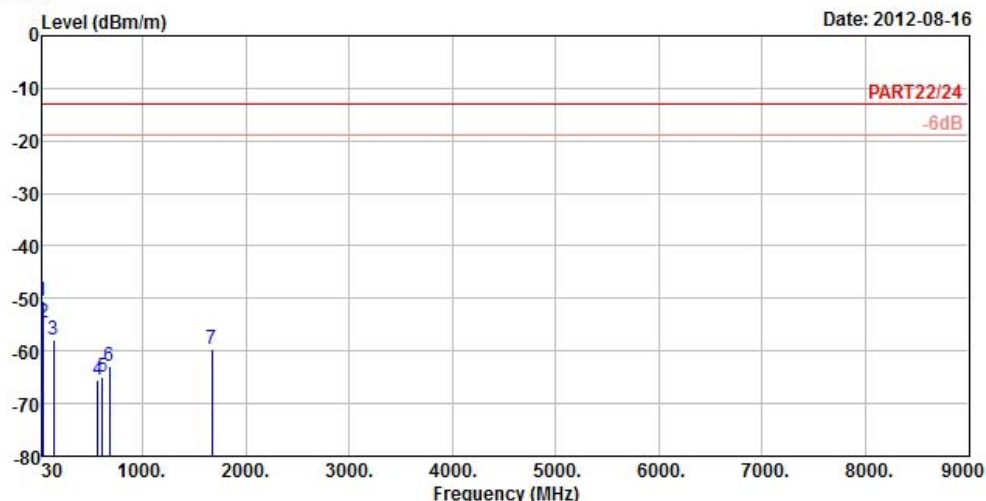
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10



Site : 966 Chamber 5
Condition : PART22/24 3m EIRP_RSE_1G~19G_3 VERTICAL
Brand/Model: FJL21
Remark : Band V Link
Tested by : Kay Wu
Temperature : 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 pp	32.16	-50.39	-50.00	-13.00	-37.39	-0.39	Peak
2	38.37	-54.47	-52.73	-13.00	-41.47	-1.74	Peak
3	137.46	-57.98	-51.79	-13.00	-44.98	-6.19	Peak
4	569.50	-65.56	-64.36	-13.00	-52.56	-1.20	Peak
5	609.40	-64.83	-64.64	-13.00	-51.83	-0.19	Peak
6	675.20	-62.91	-63.91	-13.00	-49.91	1.00	Peak
7	1672.80	-59.77	-46.95	-13.00	-46.77	-12.82	Peak

5 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

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:

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Fax: 886-2-26051924

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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---