

FCC TEST REPORT

(PART 27)

REPORT NO.: RF120615E04C

MODEL NO.: FP8134T

FCC ID: D6XFP8134T

RECEIVED: Oct. 04, 2012

TESTED: Oct. 12 ~ Oct. 17, 2012

ISSUED: Oct. 18, 2012

APPLICANT: TECOM CO., LTD

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ISSUED BY: Bureau Veritas Consumer Products Services
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A D T

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF120615E04C	Original release	Oct. 18, 2012



A D T

1 CERTIFICATION

PRODUCT: 3G Femtocell Access Point

MODEL: FP8134T

BRAND: NEC

APPLICANT: TECOM CO., LTD

TESTED: Oct. 12 ~ Oct. 17, 2012

TEST SAMPLE: ENGINEERING SAMPLE

TEST STANDARDS: FCC 47 CFR Part 2

FCC 47 CFR Part 27

The above equipment (model: FP8134T) 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** : Oct. 18, 2012
Andrea Hsia / Specialist

APPROVED BY : Anderson Chiu , **DATE** : Oct. 18, 2012
Anderson Chiu / Senior Engineer

2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 27 & Part 2			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	REMARK
2.1046 27.50(d)(4)	Equivalent isotropically radiated power	PASS	Meet the requirement of limit.
2.1055 27.54	Frequency Stability	PASS	Meet the requirement of limit.
2.1049 27.53(h)	Occupied Bandwidth	PASS	Meet the requirement of limit.
27.50(d)(5)	Peak to average ratio	PASS	Meet the requirement of limit.
27.53(h)	Band Edge Measurements	PASS	Meet the requirement of limit.
2.1051 27.53(h)	Conducted Spurious Emissions	PASS	Meet the requirement of limit.
2.1053 27.53(h)	Radiated Spurious Emissions	PASS	Meet the requirement of limit. Minimum passing margin is 24.86dB at 8610.40MHz.

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 ROHDE & SCHWARZ	ESCI	100744	Apr. 19, 2012	Apr. 18, 2013
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100269	Jan. 30, 2012	Jan. 29, 2013
BILOG Antenna SCHWARZBECK	VULB9168	9168-156	Apr. 03, 2012	Apr. 02, 2013
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-563	Sep. 12, 2012	Sep. 11, 2013
HORN Antenna SCHWARZBECK	BBHA 9170	148	Jul. 11, 2012	Jul. 10, 2013
Preamplifier Agilent	8449B	3008A01911	Oct. 29, 2011	Oct. 28, 2012
Preamplifier Agilent	8447D	2944A10638	Oct. 29, 2011	Oct. 28, 2012
RF signal cable HUBER+SUHNER	SUCOFLEX 104	295013/4 283403/4	Aug. 28, 2012	Aug. 27, 2013
RF signal cable Worken	8D-FB	Cable-HYCH9-01	Aug. 11, 2012	Aug. 10, 2013
Software	ADT_Radiated_ V7.6.15.9.2	NA	NA	NA
Antenna Tower EMCO	2070/2080	512.835.4684	NA	NA
Turn Table EMCO	2087-2.03	NA	NA	NA
Antenna Tower & Turn Table Controller EMCO	2090	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	Oct. 08, 2012	Oct. 07, 2013
Radio Communication Analyzer	MT8820C	6201127458	May 25, 2012	May 24, 2013

- 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	3G Femtocell Access Point
MODEL NO.	FP8134T
POWER SUPPLY	5Vdc (adapter)
OPERATION TEMPERATURE RANGE	0°C ~ 40°C
MODULATION TECHNOLOGY	BPSK, QPSK, 16QAM, 64QAM
FREQUENCY RANGE	2110MHz ~ 2155MHz
MAX. EIRP POWER (W)	0.0432W
RELEASE VERSION	Release 5 / 6
ANTENNA TYPE	PIFA antenna with 2dBi gain
DATA CABLE	1.5m non-Shielded ether cable
I/O PORTS	Refer to users' manual
ACCESSORY DEVICES	Adapter, GPS

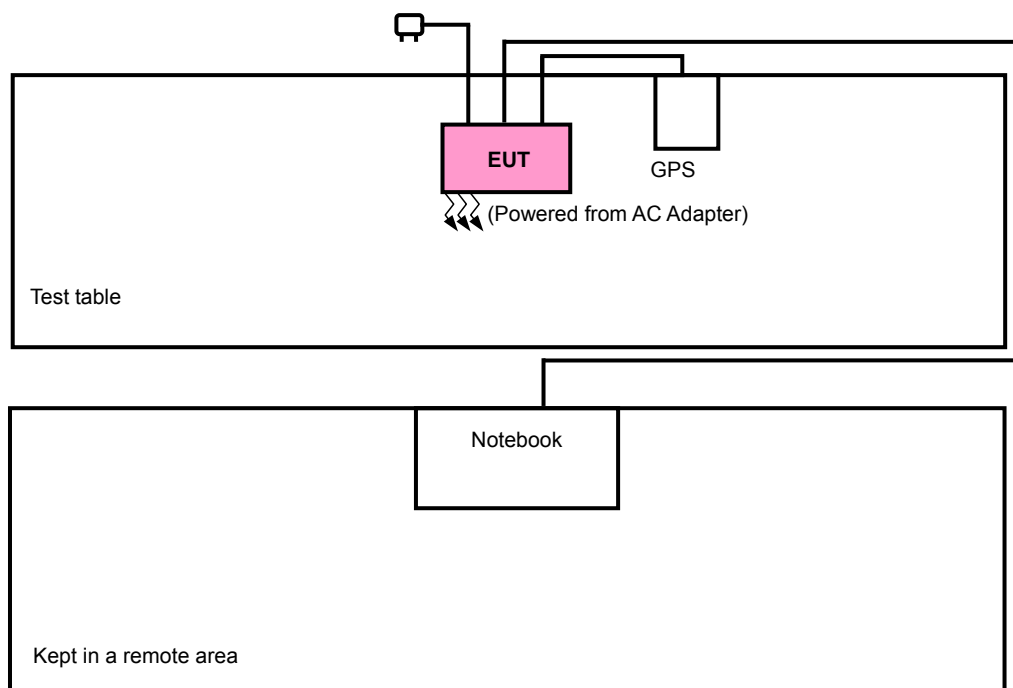
NOTE:

1. The EUT's accessories list as below

ADAPTER	
BRAND	LEI
MODEL	MU05-J050100-A1
INPUT POWER	100-240Vac, 50-60Hz, 0.3A
OUTPUT POWER	5Vdc, 1.0A
POWER LINE	1.5m non-shielded cable without core
GPS	
BRAND	WIESON
MODEL	DAM1575
POWER LINE	5m non-shielded cable without core

2. SW version is BV2.13.0.32.
3. HW version is G3.5.2.
4. 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



3.3 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	NOTEBOOK	DELL	D531	CN-0XM006-48643-81U-2973	QDS-BRCM1020

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	10m RJ45 cable without core

NOTE:

1. All power cords of the above support units are non shielded (1.8m).
2. Items 1 acted as communication partners to transfer data.

3.4 DESCRIPTION OF TEST MODES

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

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
EIRP	1537 to 1738	1537, 1637, 1738	BPSK
FREQUENCY STABILITY	1537 to 1738	1637	BPSK
OCCUPIED BANDWIDTH	1537 to 1738	1537, 1637, 1738	BPSK
PEAK TO AVERAGE RATIO	1537 to 1738	1537, 1637, 1738	BPSK
BAND EDGE	1537 to 1738	1537, 1738	BPSK
CONDCUETED EMISSION	1537 to 1738	1537, 1738	BPSK
RADIATED EMISSION BELOW 1 GHz	1537 to 1738	1637	BPSK
RADIATED EMISSION ABOVE 1 GHz	1537 to 1738	1537, 1637, 1738	BPSK

TEST CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
EIRP	25deg. C, 58%RH	120Vac, 60Hz	Sun Chen
FREQUENCY STABILITY	25deg. C, 58%RH	120Vac, 60Hz	Sun Chen
OCCUPIED BANDWIDTH	25deg. C, 58%RH	120Vac, 60Hz	Sun Chen
PEAK TO AVERAGE RATIO	25deg. C, 58%RH	120Vac, 60Hz	Sun Chen
BAND EDGE	25deg. C, 58%RH	120Vac, 60Hz	Sun Chen
CONDCUETED EMISSION	25deg. C, 58%RH	120Vac, 60Hz	Sun Chen
RADIATED EMISSION	25deg. C, 58%RH	120Vac, 60Hz	Sun Chen

3.5 EUT OPERATING CONDITIONS

Placed the EUT on the testing table. 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 27

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

NOTE: The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

4 TEST TYPES AND RESULTS

4.1 OUTPUT POWER MEASUREMENT

4.1.1 LIMITS OF OUTPUT POWER MEASUREMENT

Maximum output power is 1W EIRP.

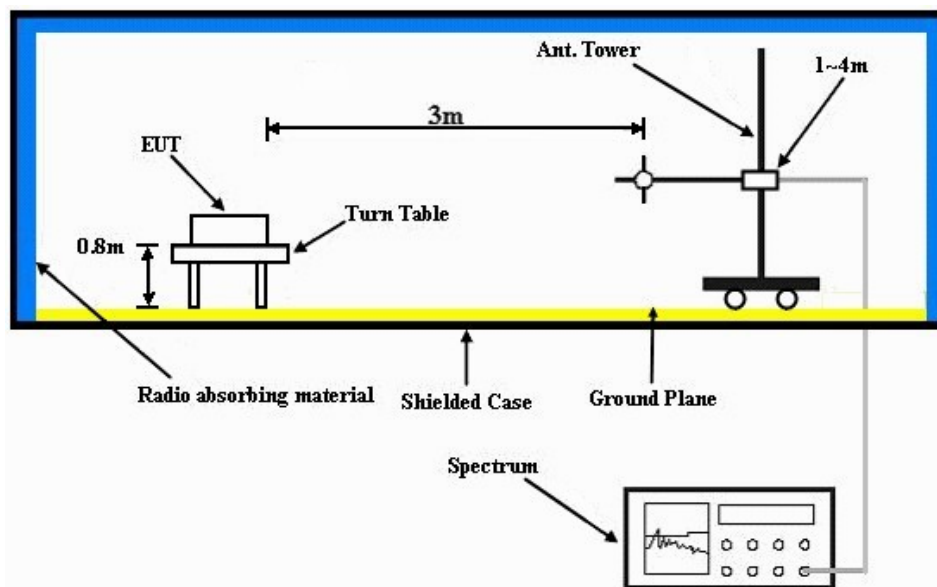
4.1.2 TEST PROCEDURES

EIRP / ERP MEASUREMENT:

- a. The EUT was set up for the maximum power with LTE link data modulation. The power was measured with R&S Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range). RBW and VBW is 10MHz for LTE. Detector type =RMS.
- b. E.I.R.P power 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 a. 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. $E.R.P = E.I.R.P - 2.15 \text{ dB}$

4.1.3 TEST SETUP

EIRP / ERP MEASUREMENT:



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

4.1.4 TEST RESULTS

EIRP POWER

FREQUENCY		2112.4MHz					
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2112.40	-23.65	14.93	0.74	15.67	30.00	-14.33
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2112.40	-39.20	-0.34	0.74	0.40	30.00	-29.60

NOTE: Power Value (dBum) = S.G Power Value (dBm) + Correction Factor (dB).

FREQUENCY		2132.4MHz					
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2132.40	-22.96	15.62	0.73	16.35	30.00	-13.65
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2132.40	-38.81	0.18	0.73	0.91	30.00	-29.09

NOTE: Power Value (dBum) = S.G Power Value (dBm) + Correction Factor (dB).

FREQUENCY		2152.6MHz					
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2152.60	-24.47	14.11	0.73	14.84	30.00	-15.16
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	2152.60	-39.82	-0.72	0.73	0.01	30.00	-29.99

NOTE: Power Value (dBum) = S.G Power Value (dBm) + Correction Factor (dB).

4.2 FREQUENCY STABILITY MEASUREMENT

4.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

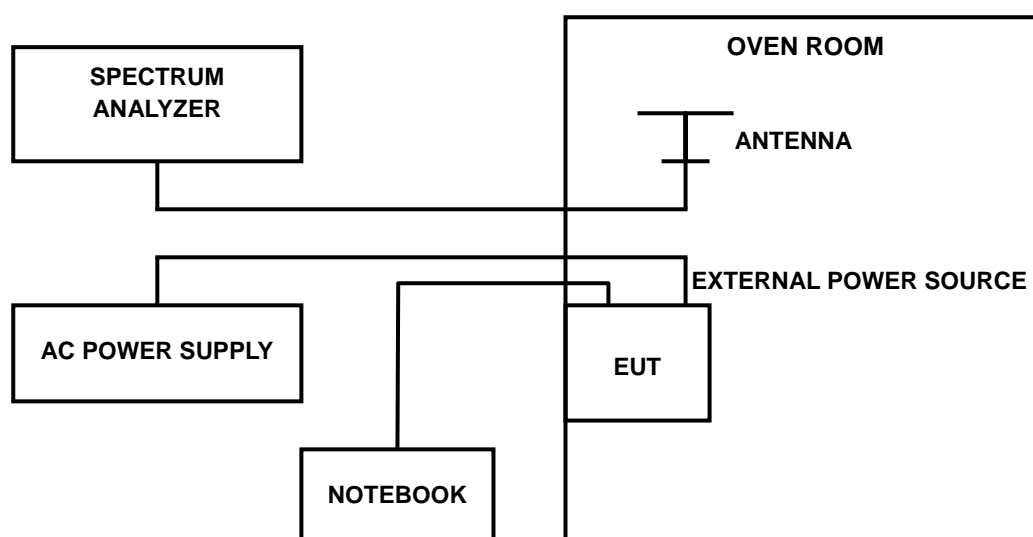
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

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 AC 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

AFC FREQUENCY ERROR vs. VOLTAGE		
FREQUENCY ERROR (ppm)		
VOLTAGE (Volts)	Channel 1637: 2132.4MHz (Hz)	DEVIATION (ppm)
126.5	-21	-0.010
93.5	-24	-0.011

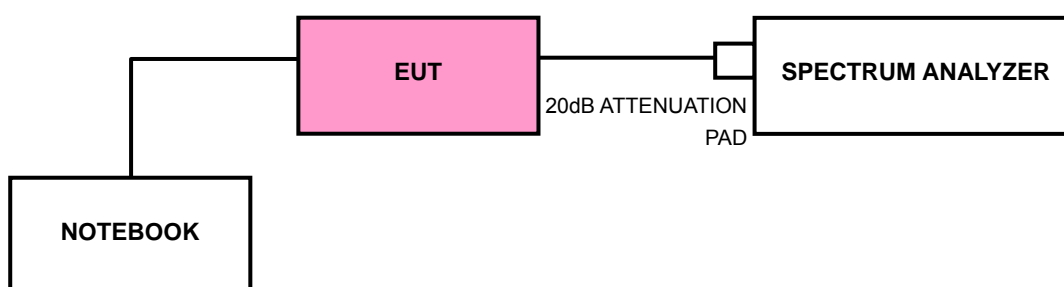
AFC FREQUENCY ERROR vs. TEMP.		
FREQUENCY ERROR (ppm)		
TEMP. (°C)	Channel 1637: 2132.4MHz (Hz)	DEVIATION (ppm)
50	-24	-0.011
40	-21	-0.010
30	-21	-0.010
20	-24	-0.011
10	-23	-0.011
0	-19	-0.009
-10	-19	-0.009
-20	-24	-0.011
-30	-24	-0.011

4.3 EMISSION BANDWIDTH MEASUREMENT

4.3.1 LIMITS OF EMISSION BANDWIDTH MEASUREMENT

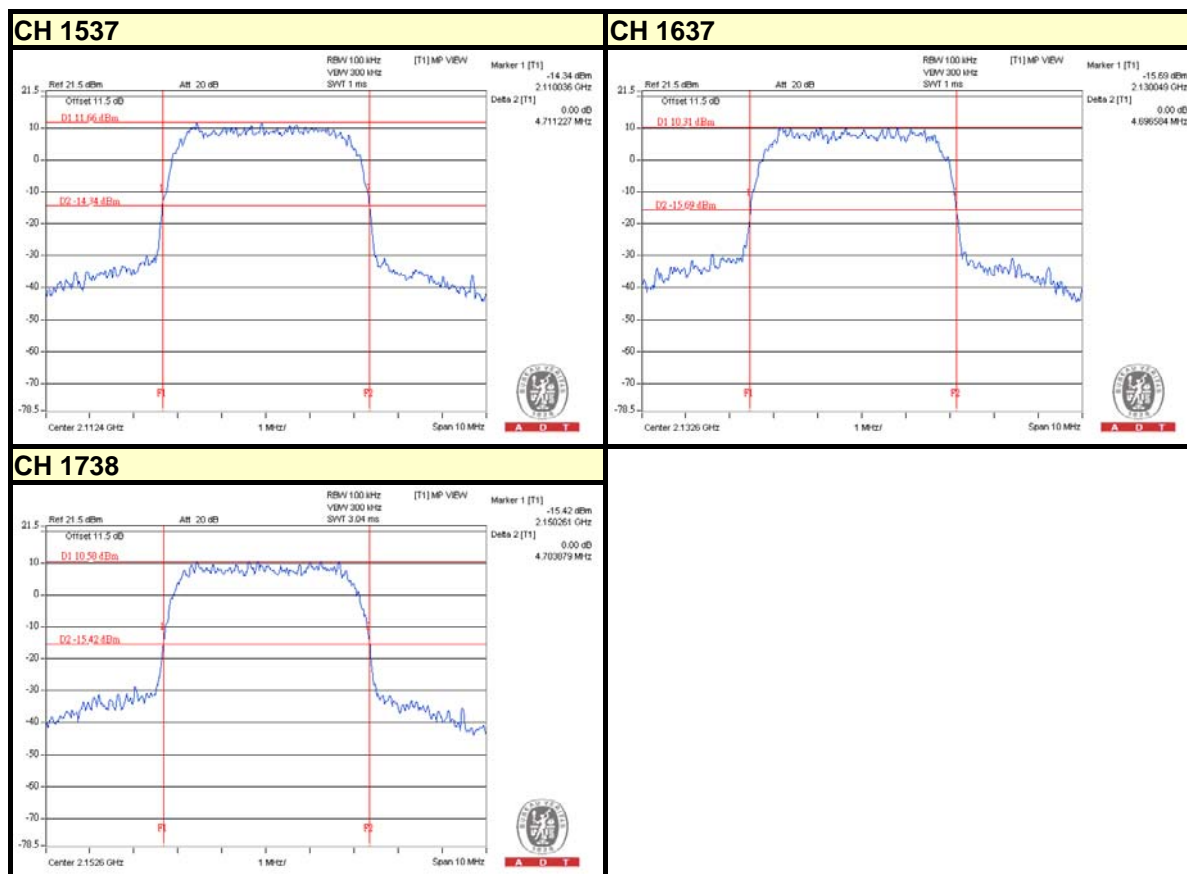
The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 % of the total mean power of a given emission.

4.3.2 TEST SETUP



4.3.3 TEST RESULTS

CHANNEL	MAX. OUTPUT POWER -26 dBc BANDWIDTH (MHz)
1537	4.711
1637	4.697
1738	4.704



4.4 PEAK TO AVERAGE RATIO

4.4.1 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

4.4.2 TEST SETUP

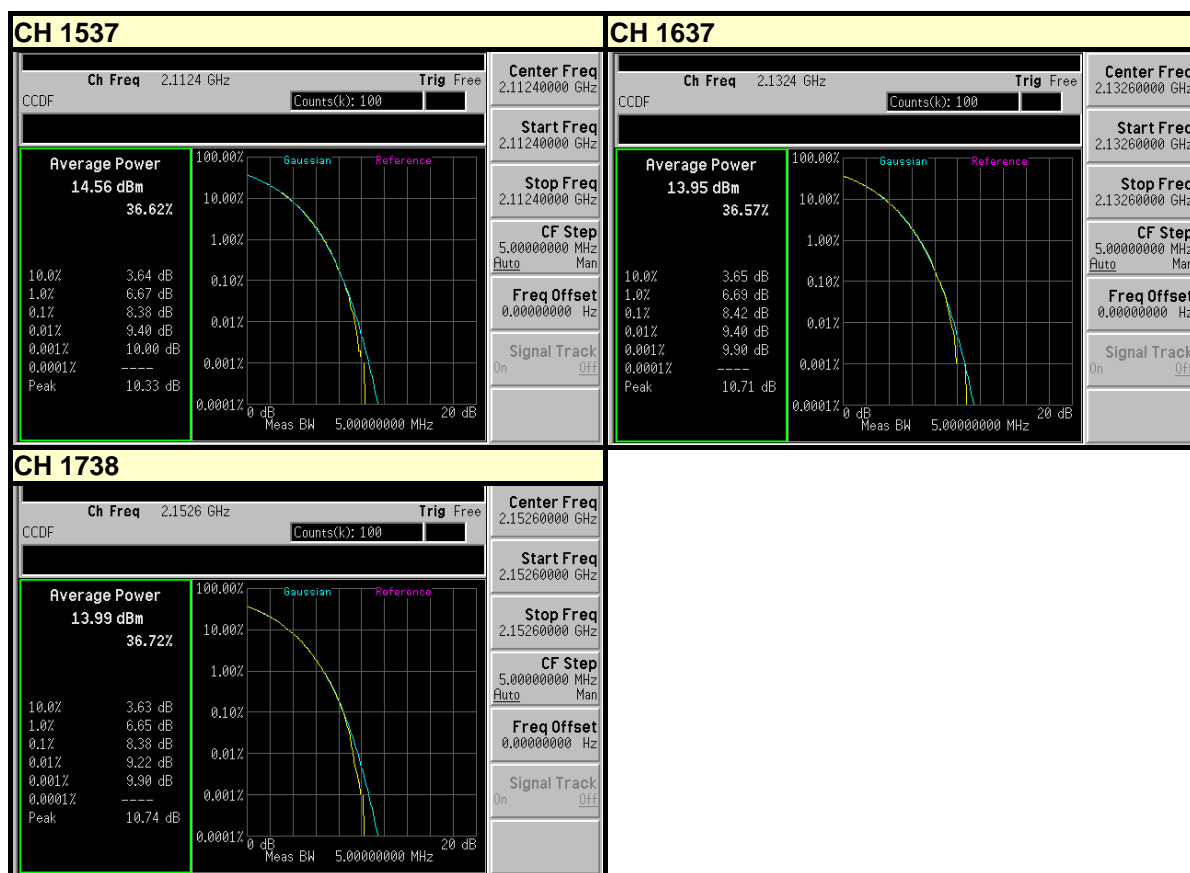
Same as Item 4.2.3.

4.4.3 TEST PROCEDURES

1. Set resolution/measurement bandwidth \geq 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%.

4.4.4 TEST RESULTS

CHANNEL	PEAK TO AVERAGE RATIO (dB)
1537	8.38
1637	8.42
1738	8.38



4.5 BAND EDGE MEASUREMENT

4.5.1 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.

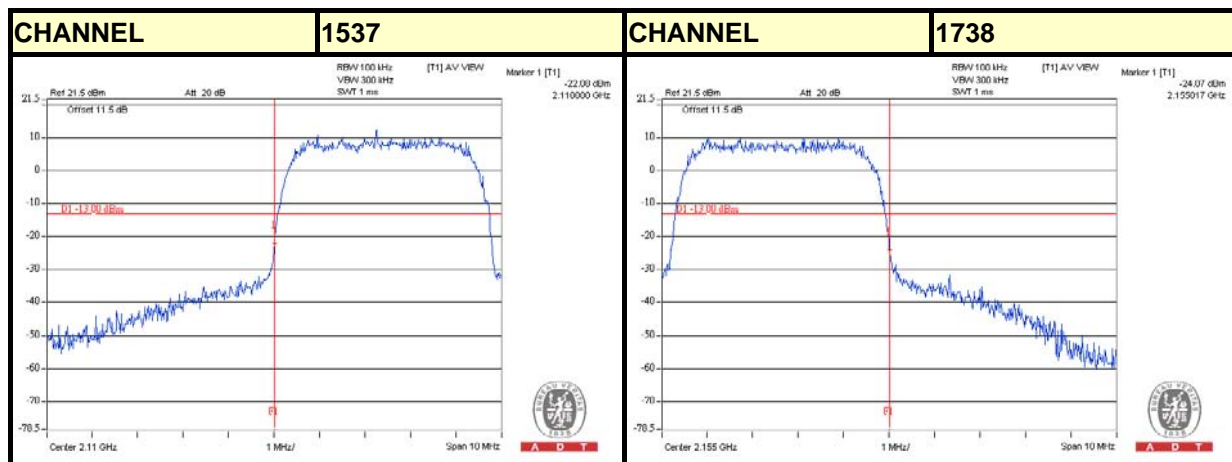
4.5.2 TEST SETUP

Same as Item 4.3.2.

4.5.3 TEST PROCEDURES

- a. EUT connected to spectrum analyzer with a 20 dB attenuator
- b. NB sends commands to control EUT to transmit at specific frequency, modulation and output power level via telnet utility. The power was measured with R&S Spectrum Analyzer. All measurements were done at 2 channels (low and high operational frequency range.).
- c. This cable loss is the worst loss 1dB in the transmitted path track.
- d. The center frequency of spectrum is the band edge frequency and span is 1 MHz. RB of the spectrum is 100kHz and VB of the spectrum is 300kHz.
- e. Record the max trace plot into the test report.

4.5.4 TEST RESULTS



4.6 CONDUCTED SPURIOUS EMISSIONS

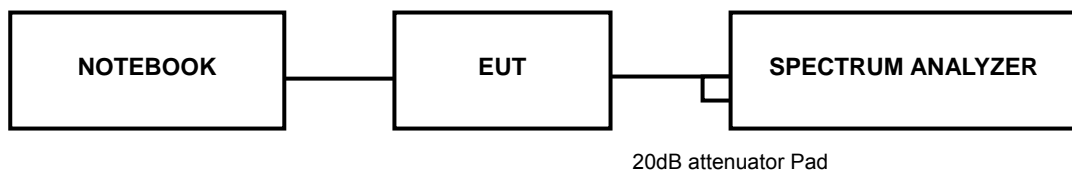
4.6.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission equal to -13dBm

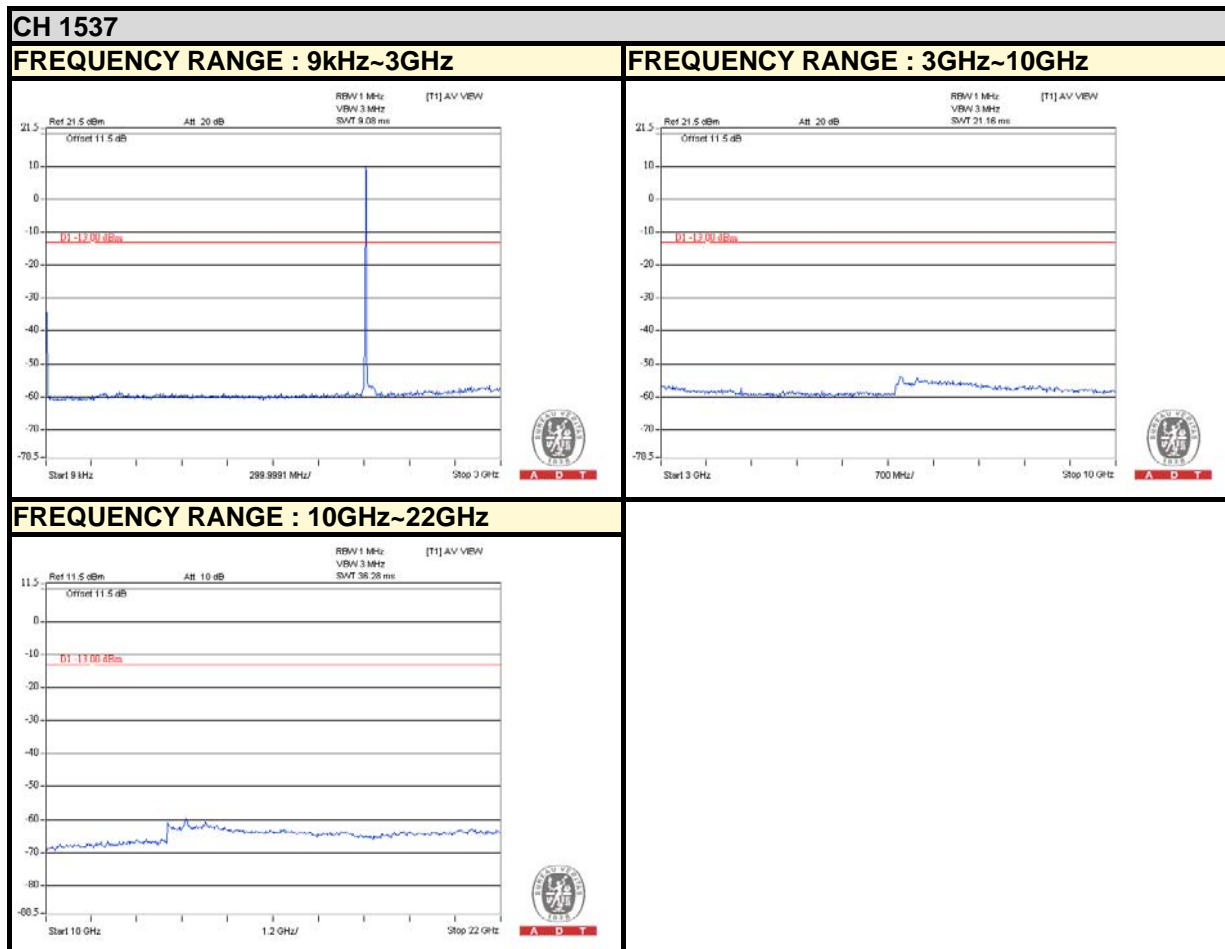
4.6.2 TEST PROCEDURE

- EUT connected to spectrum analyzer with a 20 dB attenuator
- NB sends commands to control EUT to transmit at specific frequency, modulation and output power level via telnet utility
- The EUT was set up for the maximum peak power with WCDMA link data modulation. The power was measured with R&S Spectrum Analyzer. All measurements were done at 2 channels (low & high operational frequency range.).
- The spectrum set 1MHz/3MHz to measure conducted emission from 9kHz to 22GHz

4.6.3 TEST SETUP

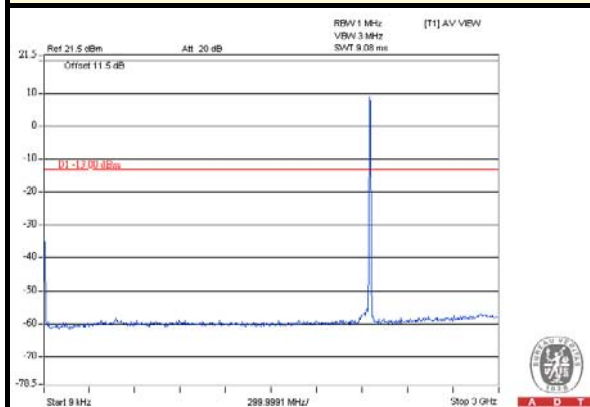


4.6.4 TEST RESULTS

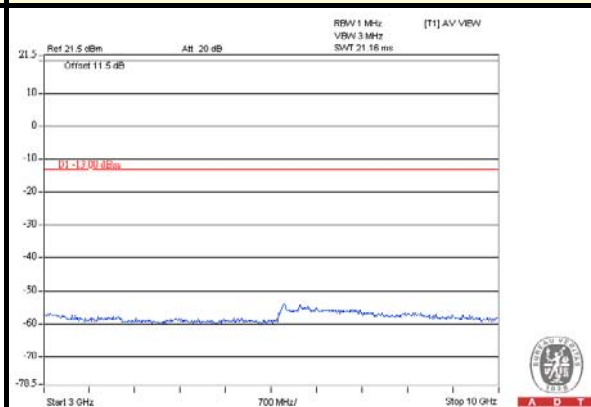


CH 1738

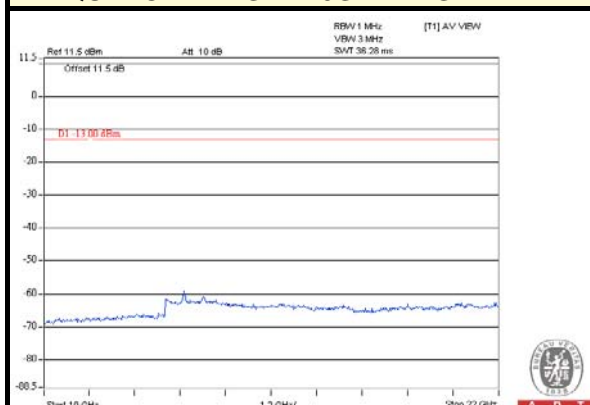
FREQUENCY RANGE : 9kHz~3GHz



FREQUENCY RANGE : 3GHz~10GHz



FREQUENCY RANGE : 10GHz~22GHz



4.7 RADIATED EMISSION MEASUREMENT

4.7.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission equal to -13dBm

4.7.2 TEST PROCEDURES

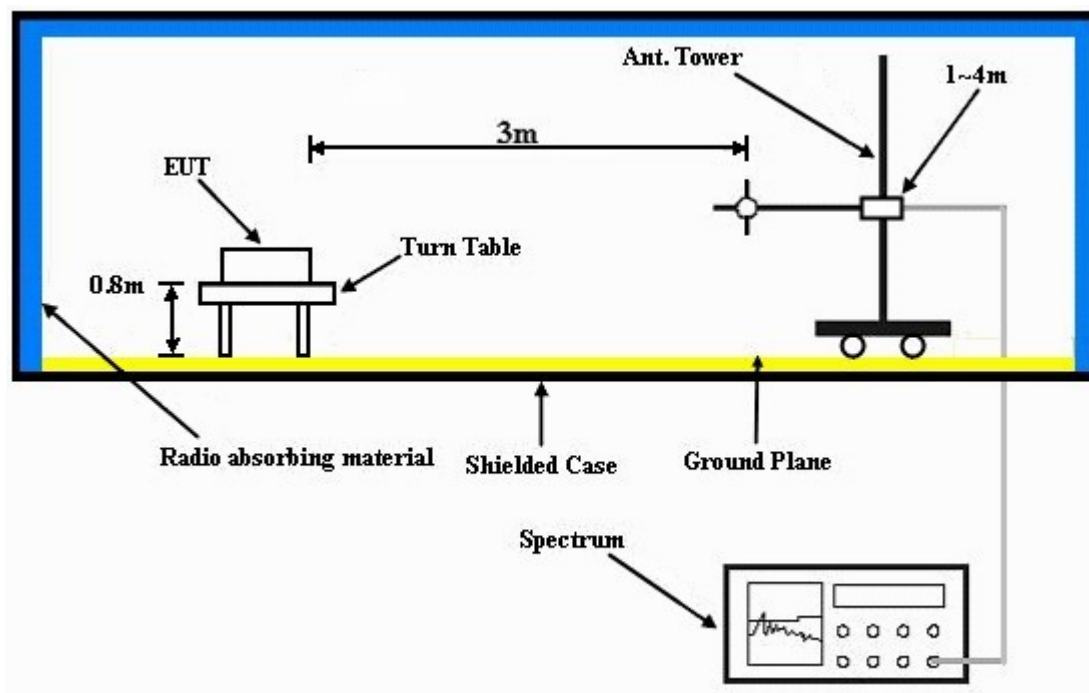
- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 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.

4.7.3 DEVIATION FROM TEST STANDARD

No deviation

4.7.4 TEST SETUP



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

4.7.5 TEST RESULTS

MODE	CH 1637	FREQUENCY RANGE	Below 1000MHz
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ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	41.64	-58.6	-44.1	-11.1	-55.2	-13.0	-42.2
2	90.14	-43.6	-51.4	1.1	-50.3	-13.0	-37.3
3	130.88	-45.3	-51.4	0.0	-51.4	-13.0	-38.4
4	249.22	-53.9	-64.3	5.4	-58.9	-13.0	-45.9
5	584.84	-59.0	-62.3	4.5	-57.8	-13.0	-44.8
6	916.84	-63.1	-60.6	3.9	-56.7	-13.0	-43.7
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	66.86	-51.38	-45.48	-5.82	-51.30	-13.0	-38.30
2	90.14	-51.14	-46.75	1.13	-45.62	-13.0	-32.62
3	111.48	-49.38	-45.05	0.00	-45.05	-13.0	-32.05
4	249.22	-63.43	-61.39	5.40	-55.99	-13.0	-42.99
5	462.62	-67.38	-70.23	5.03	-65.20	-13.0	-52.20
6	559.62	-66.54	-70.56	4.61	-65.95	-13.0	-52.95

NOTE: Power Value (dBum) = S.G Power Value (dBm) + Correction Factor (dB).



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MODE	CH 1537	FREQUENCY RANGE	Above 1000MHz
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ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4224.80	-60.43	-57.14	6.87	-50.27	-13.0	-37.27
2	6337.20	-62.41	-51.48	5.85	-45.63	-13.0	-32.63
3	8449.60	-59.86	-45.91	4.70	-41.21	-13.0	-28.21
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4224.80	-59.68	-57.52	6.87	-50.65	-13.0	-37.65
2	6337.20	-61.68	-52.41	5.85	-46.56	-13.0	-33.56
3	8449.60	-58.20	-45.44	4.70	-40.74	-13.0	-27.74

NOTE: Power Value (dBum) = S.G Power Value (dBm) + Correction Factor (dB).

MODE	CH 1637	FREQUENCY RANGE	Above 1000MHz
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ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4264.80	-59.92	-56.57	6.85	-49.72	-13.0	-36.72
2	6397.20	-62.52	-51.28	5.72	-45.56	-13.0	-32.56
3	8529.60	-59.58	-45.59	4.78	-40.81	-13.0	-27.81
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4264.80	-59.87	-57.57	6.85	-50.72	-13.0	-37.72
2	6397.20	-62.20	-52.43	5.72	-46.71	-13.0	-33.71
3	8529.60	-56.88	-44.27	4.78	-39.49	-13.0	-26.49

NOTE: Power Value (dBum) = S.G Power Value (dBm) + Correction Factor (dB).



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MODE	CH 1738	FREQUENCY RANGE	Above 1000MHz
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ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4305.20	-59.25	-55.83	6.83	-49.00	-13.0	-36.00
2	6457.80	-62.17	-50.60	5.57	-45.03	-13.0	-32.03
3	8610.40	-59.76	-45.56	4.79	-40.77	-13.0	-27.77
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4305.20	-60.20	-57.77	6.83	-50.94	-13.0	-37.94
2	6457.80	-61.98	-51.68	5.57	-46.11	-13.0	-33.11
3	8610.40	-55.31	-42.65	4.79	-37.86	-13.0	-24.86

NOTE: Power Value (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

5 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.

Copies of accreditation and authorization certificates of our laboratories obtained from approval agencies can be downloaded from our web site: www.adt.com.tw/index.5.phtml. If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab:

Tel: 886-2-26052180

Fax: 886-2-26051924

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Web Site: www.bureauveritas-adt.com

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

6 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.

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