



RF EXPOSURE REPORT

REPORT NO.: SA130814E06

MODEL NO.: T77H468

FCC ID: B94T77H468

RECEIVED: Aug. 14, 2013

TESTED: Sep. 11, 2013

ISSUED: Sep. 18, 2013

APPLICANT: Hewlett-Packard Company

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United States

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

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA130814E06	Original release	Sep. 18, 2013

1. CERTIFICATION

PRODUCT: 3GPP Long Term Evolution Cat3 PCI Express M.2 Module
BRAND NAME: FOXCONN
MODEL NO.: T77H468
TEST SAMPLE: ENGINEERING SAMPLE
APPLICANT: Hewlett-Packard Company
TESTED DATE: Sep. 11, 2013
STANDARDS: FCC Part 2 (Section 2.1091)
FCC OET Bulletin 65, Supplement C (01-01)
IEEE C95.1

The above equipment (Model: T77H468) 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 :  , **DATE:** Sep. 18, 2013
(Claire Kuan, Specialist)

APPROVED BY :  , **DATE:** Sep. 18, 2013
(May Chen, Manager)

2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm ²)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

3. MPE CALCULATION FORMULA

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

r = distance between observation point and center of the radiator in cm

4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 35cm away from the body of the user. So, this device is classified as **Mobile Device**.

5. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

For Part 22:

MODULATION TYPE	FREQUENCY BAND (MHz)	MAX POWER (dBm)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm ²)	LIMIT (mW/cm ²)
GPRS	836.6	32.80	1905.461	6.33	35	0.532	0.5577
WCDMA B5	826.4	24.30	269.153	6.33	35	0.075	0.5509
1xEVDO Rev.A	836.52	24.60	288.403	6.33	35	0.080	0.5577
Band5 1.4M	824.7	23.68	233.346	6.33	35	0.065	0.5498
Band5 3M	825.5	23.65	231.739	6.33	35	0.065	0.5503
Band5 5M	826.5	23.73	236.048	6.33	35	0.066	0.5510
Band5 10M	829	23.68	233.346	6.33	35	0.065	0.5527

Note: Limit of Power Density = F/1500

For Part 24:

MODULATION TYPE	FREQUENCY BAND (MHz)	MAX POWER (dBm)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm ²)	LIMIT (mW/cm ²)
GPRS	1909.8	29.90	977.237	4.97	35	0.199	1
WCDMA B2	1880	24.40	275.423	4.97	35	0.056	1
1xEVDO Rev.0	1880	24.00	251.189	4.97	35	0.051	1
LTE B2 1.4M	1880	23.63	230.675	4.97	35	0.047	1
LTE B2 3M	1880	23.69	233.884	4.97	35	0.048	1
LTE B2 5M	1880	23.71	234.963	4.97	35	0.048	1
LTE B2 10M	1855	23.54	225.944	4.97	35	0.046	1
LTE B2 15M	1857.5	23.29	213.304	4.97	35	0.044	1
LTE B2 20M	1860	23.41	219.280	4.97	35	0.045	1
LTE B25 1.4M	1850.7	23.68	233.346	4.97	35	0.048	1
LTE B25 3M	1851.5	23.65	231.739	4.97	35	0.047	1
LTE B25 5M	1852.5	23.73	236.048	4.97	35	0.048	1
LTE B25 10M	1855	23.68	233.346	4.97	35	0.048	1
LTE B25 15M	1857.5	23.68	233.346	4.97	35	0.048	1
LTE B25 20M	1860	23.68	233.346	4.97	35	0.048	1

For Part 27:

MODULATION TYPE	FREQUENCY BAND (MHz)	MAX POWER (dBm)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm ²)	LIMIT (mW/cm ²)
WCDMA B4	1732.6	24.10	257.040	4.97	35	0.052	1
LTE B4 1.4M	1710.7	23.74	236.592	4.97	35	0.048	1
LTE B4 3M	1711.5	23.76	237.684	4.97	35	0.048	1
LTE B4 5M	1712.5	23.72	235.505	4.97	35	0.048	1
LTE B4 10M	1715	23.75	237.137	4.97	35	0.048	1
LTE B4 15M	1717.5	23.69	233.884	4.97	35	0.048	1
LTE B4 20M	1720	23.70	234.423	4.97	35	0.048	1
LTE B13 5M	779.5	23.61	229.615	6.33	35	0.064	1
LTE B13 10M	782	23.39	218.273	6.33	35	0.061	0.5197
LTE B17 5M	706.5	23.89	244.906	5.28	35	0.054	0.5213
LTE B17 10M	709	23.91	246.037	5.28	35	0.054	0.4710

Note: Limit of Power Density = F/1500

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