



Declaration of FCC MPE Compliance for RRU3260

To whom it may concern,

As to the product **RRU3260** made by Huawei Technologies Co., Ltd., we declare that it complies with the Basic restrictions/Reference levels for electric, magnetic and electromagnetic fields as specified in following standards(s):

Nr.	Standard
1	47CFR FCC Part 1 (10-1-12 Edition)
2	OET Bulletin 65 (Edition 97-01)

The compliance is demonstrated based on the following calculation model assessment:

1. The power density according to far-field model is:

$$S = \frac{P \times G_{(\theta, \phi)}}{4 \times \pi \times R^2}$$

Where:

P = input power of the antenna.

G = antenna gain relative to an isotropic antenna.

θ, ϕ = elevation and azimuth angles.

R = distance from the antenna to the point of investigation.

2. For single or multiple RF sources, the calculated power density should comply with following:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leq 1$$

Where:

S_i = the power density when the f is i .

$S_{Limit,i}$ = the reference level requirement for power density when f is i .

3. The calculation of the power density or safe distance is:

NOTE 1: The RF exposure evaluation is base on the far-field and the radiation exposure is over-estimated.

NOTE 2: The maximum output power level is taken into account as a worst case for the purpose of the calculation of power density or safe distance.



Reliability Laboratory of Huawei Technologies Co., Ltd.
Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C
Tel: +86 755 28780808 Fax: +86 755 89652518

NOTE 3: The minimum antenna feed cable loss (assumed no cable loss) is taken into account as a worst case for the purpose of the calculation of power density or safe distance.

NOTE 4: The maximum antenna radiation exposure orientation and maximum antenna gain is taken into account as a worst case for the purpose of the calculation of power density or safe distance.

RF Source	Calculation
RF Source #1	f = 2620 to 2690 MHz
	$S_{Limit,i}$ = 10 W/m ²
	P = 86.5 W (measured max)
	$G_{(\theta,\phi)}$ = 63.09 (= 18 dBi)
	θ, ϕ = The worst condition is considered, i.e. the max G is used.
	S_i = $\frac{P \times G_{(\theta,\phi)}}{4 \times \pi \times R^2}$ = 434.49 / R ² W/m ²
	$\frac{S_i}{S_{Limit,i}}$ = 43.449 / R ²
RF Source(s) Combination	$\sum_i \frac{S_i}{S_{Limit,i}}$ = 43.449 / R ² ≤ 1
	R ≥ 6.6 m (the minimum Safe Distance)

Person responsible for making this declaration:

Signature : *Huang Yuanqiu*

Print Name : Huang Yuanqiu

Position/Title : RF Engineer

Date : July 25, 2013