Declaration of Electromagnetic Field Health Compliance for

RU3260 LTE 2600

To whom it may concern,

As to the product **RU3260** 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 (10-1-13 Edition) & OET Bulletin 65
2	RSS-102 (Issue4, March 2010)

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.

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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 for Individual Source		
RF Source #1	f	=	2620 to 2690 MHz
	$S_{Limit,i}$	=	= 10 W/m^2
	P , $G_{(\theta,\phi)}$	=	$\boxtimes$ $P \times G_{(\theta,\phi)}$: $P^{(*)}$ = 86.5 W (calculated, two ports) $G_{(\theta,\phi)}$ = 63.09 (=18 dBi) $^{(*)}$: The value is from: $\square$ measured max (See relevant RF report), $\boxtimes$ rated + declared tolerance, $\square$ max allowed by RF standard. And, the transmission duty cycle is: $\boxtimes$ ignored, $\square$ used, that is: _____ % (for mode: _____).
	θ, ϕ	=	The worst condition is considered, i.e. the max G is used.
	S_i	=	$\dfrac{P \times G_{(\theta,\phi)}}{4 \times \pi} / R^2$ = 434.49 $/ R^2$ W/m^2
	$\dfrac{S_i}{S_{Limit,i}}$	=	43.449 / R^2
RF Sources	Calculation for Simultaneous Transmission Sources		
(Not applicable)	(Not applicable)		
Whole Product	Calculation for Whole Product		
Whole Product	$\dfrac{S}{S_{Limit}}$	=	43.449 / $R^2 \le 1$
	R	$\ge$	6.6 m (the minimum Safe Distance)
	NOTE: The result is the worst case of each individual source and simultaneous transmission sources (if applicable).		

Person responsible for making this declaration:

Signature   :   Li Guo

Print Name   :   Li Guo

Position/Title   :   RF Engineer

Date   :   September 17, 2014