Declaration of Electromagnetic Field Health Compliance

To whom it may concern,

As to the product **Optix RTN 360** 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.

   f = operating frequency.

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.

   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	=	59000 to 64000 MHz

$S_{Limit,i}$	=	10 W/m^2	

P , $G_{(\theta,\phi)}$	=	$\boxtimes$ *EIRP* $(= P \times G_{(\theta,\phi)})$: $EIRP^{(*)}$ = 4.5394 W (=36.57 dBm, all ports) $\square$ $P \times G_{(\theta,\phi)}$: $\quad P^{(*)}$ = W (= dBm, per port) $\qquad\qquad$ W (calculated, two ports) $\quad G_{(\theta,\phi)}$ = (= dBi) $\overline{}$ $^{(*)}$: The value is from: $\boxtimes$ measured max (See relevant RF report), $\square$ 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	=	$\dfrac{P \times G_{(\theta,\phi)}}{4 \times \pi} / R^2$ = 0.3612 $/ R^2$ W/m^2
$\dfrac{S_i}{S_{Limit,i}}$	=	0.036 $/ R^2$

RF Sources	Calculation for Simultaneous Transmission Sources
(Not applicable)	(Not applicable)
Whole Product	Calculation for Whole Product

Whole Product	$\dfrac{S}{S_{Limit}}$	=	0.036 $/ R^2 \leq 1$
	R	$\geq$	0.19 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:

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