



Unit 7 Greenways Business Park
Bellinger Close
Chippenham
Wiltshire SN15 1BN

Telephone: 01249 800100
Facsimile: 01249 800101

24th March 2009

**RFI Global Services Ltd
Pavillion A
Ashwood Business Park
Basingstoke
Hampshire
RG23 8BG**

RE: 2.3GHz V5 Node B FCC ID: PKTNODEBYP MPE Calculation.

To Whom It May Concern,

The MPE calculation shown below for the 2.3GHz V5 Node B assumes worst case operation of the transmitter i.e.100% duty cycle.

MPE Distance Calculation	5MHz Channel		10MHz Channel	
Antenna Gain	20	dBi	20	dBi
Line Loss	0	dBi	0	dBi
Antenna Gain Ratio	100		100	
Node B Output Power	40.8	dBm	37	dBm
Output Power mW	12022.64	mW	5011.87	mW
Maximum EIRP (per Channel)	1202264.43	mW	501187.23	mW
MPE Limit from 1.1310	1	mw/cm ²	1	mw/cm ²
Un-controlled/General Public Limit				
Minimum Distance to meet MPE Limit	309.31	cm	199.71	cm
(100% Duty Cycle)	121.68	inches	78.56	inches

Table 1: Uncontrolled Exposure



The calculations above show the 2.3GHz V5 Node B complies with the un-controlled/General Public limit of $1\text{mW}/\text{cm}^2$ at a distance of 3.1m for operation in a 5MHz channel and at a distance of 2.00m for operation in an 10MHz channel.

Yours Faithfully.

P Warburg
Technical Associate
IPWireless UK Ltd