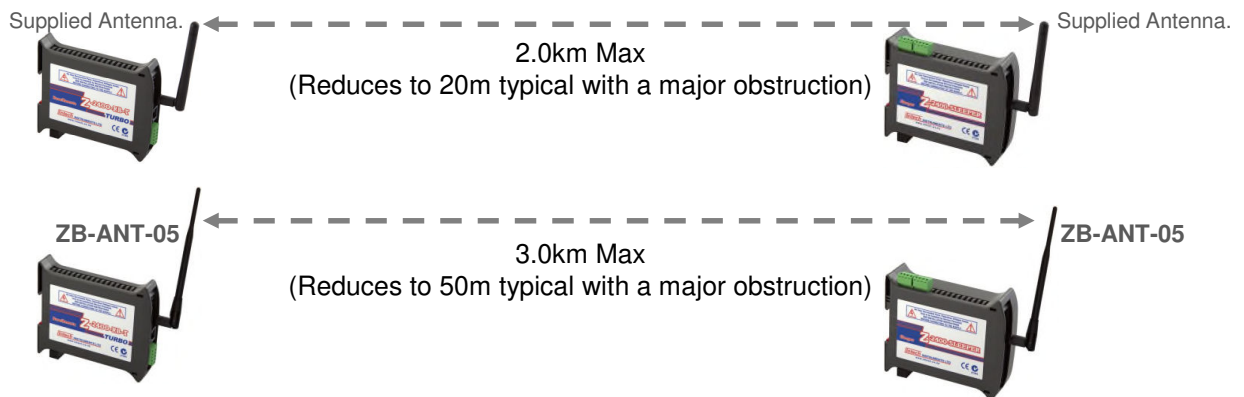


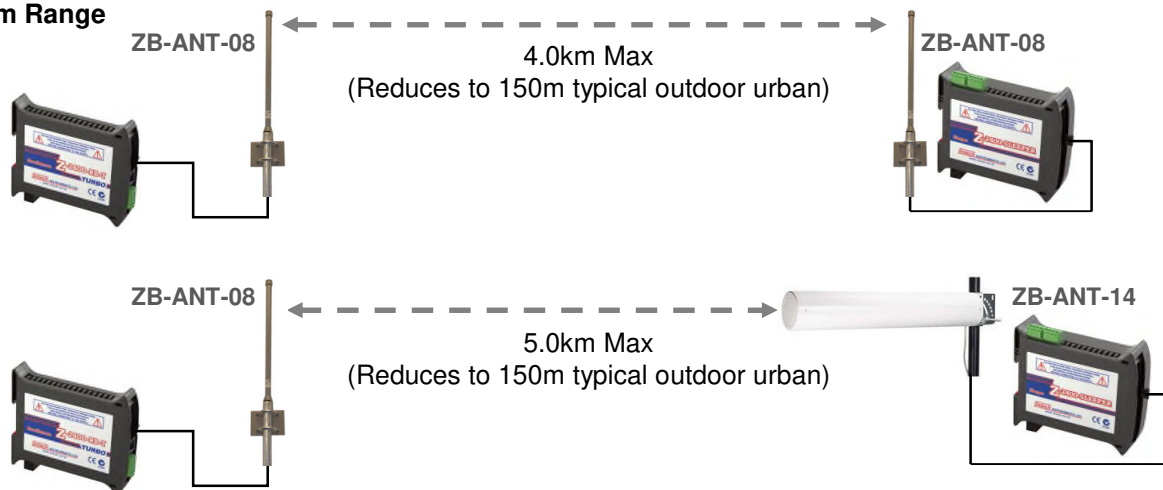
# Z-2400-Sleeper Extended

## Antenna combinations: Actual Performance Test Results Turbo Base to Sleeper Node.

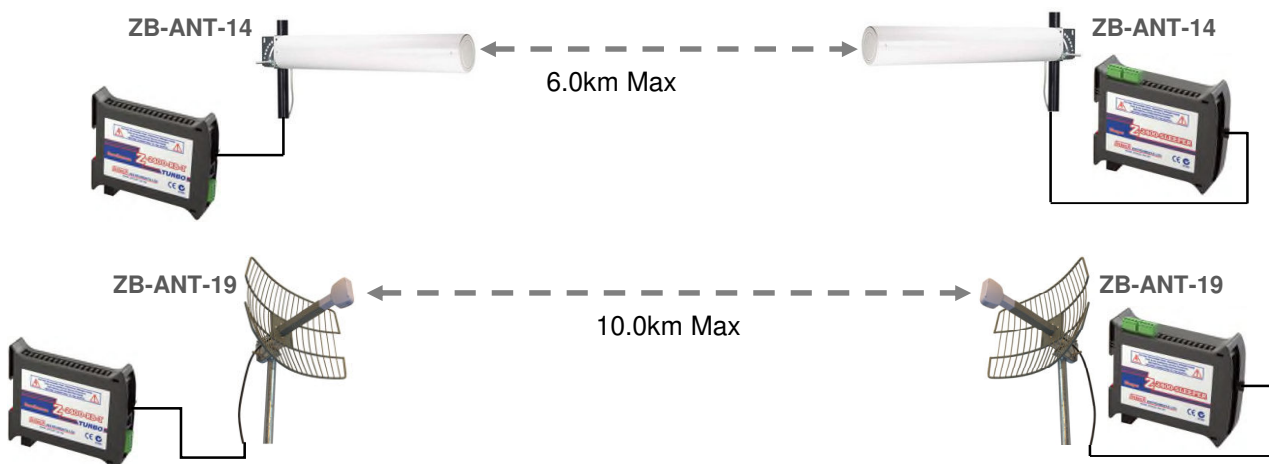
### Short Range



### Medium Range



### Long Range - Point to Point








#### Important Notes:


1. Test results show impressive distance results under ideal line of sight conditions. These distances become rapidly reduced when obstructions are intruding into the radio 'Fresnel zone'.
2. Max range is under ideal conditions; Using supplied Intech antenna kit-set mounted on 3 metre pole with complete line of sight - no surrounding trees or buildings and low radio interference.
3. "Major obstruction"; refers to where the units are placed on either side of a steel reinforced concrete wall, in an office environment. "Outdoor urban" refers to where the antennas are mounted outdoors in an office building environment, where other transmitting radios are expected.
4. Use only Intech 'ZB' Antennas with Z-2400 wireless series.
5. For outdoor antennas, coax-seal must be used between exposed connections to protect from moisture corrosion.

# Z-2400-Sleeper Extended

## Antenna Ordering Information.

MODEL	DESCRIPTION	
<b>ZB-ANT-19</b>	2.4GHz 19dBi Directional Parabolic Grid Antenna. (mounting brackets & 6m of low loss coax cable included) Designed for outdoor use.	
<b>ZB-ANT-14</b>	2.4GHz 14.5dBi Directional Yagi Antenna. (mounting brackets & 6m of low loss coax cable included) Designed for outdoor use.	
<b>ZB-ANT-08</b>	2.4GHz 8dBi Omni Directional Monopole Antenna. (mounting brackets & 6m of low loss coax cable included) Designed for outdoor use.	
<b>ZB-ANT-05</b>	2.4GHz 5.5dBi Rubber Duck Antenna. Designed for indoor use.	
<b>ZB-ANT-02</b>	2.4GHz 2.2dBi Rubber Duck Antenna. Designed for either indoor or outdoor use.	

## Intech Z-2400 Wireless nodes.

<b>Z-2400-TCP</b>	Base wireless node with TCP connection. (Power supply included)	
<b>Z-2400-RB</b>	Base or Remote node with RS485/422 connection. (Power supply included)	
<b>Z-2400-A2I</b>	Remote wireless node with two universal inputs and digital I/O.	
<b>Z-2400-Sleeper</b>	Battery powered node with two universal inputs.	



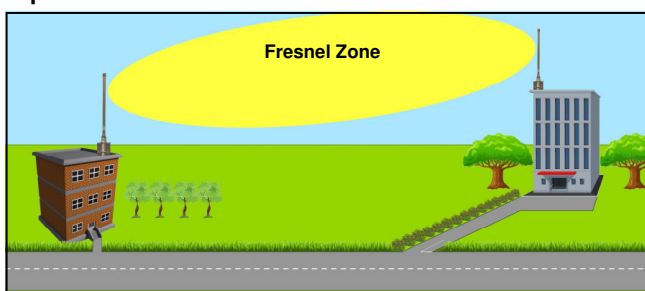
<< An SMA bulkhead and lead can be used with the Sleeper to mount the supplied rubber duck, or the 5.5dBi rubber duck directly onto an enclosure.

Antenna brackets sold separately can be used with the 2.2dBi rubber duck. Ideal if you need to mount the antenna in a separate location from the Sleeper to achieve better signal strength. >>



Example of how distances are rapidly reduced when there are obstructions intruding into the 'Fresnel zone'.

Up to 8.0Km



Up to 1.0Km

