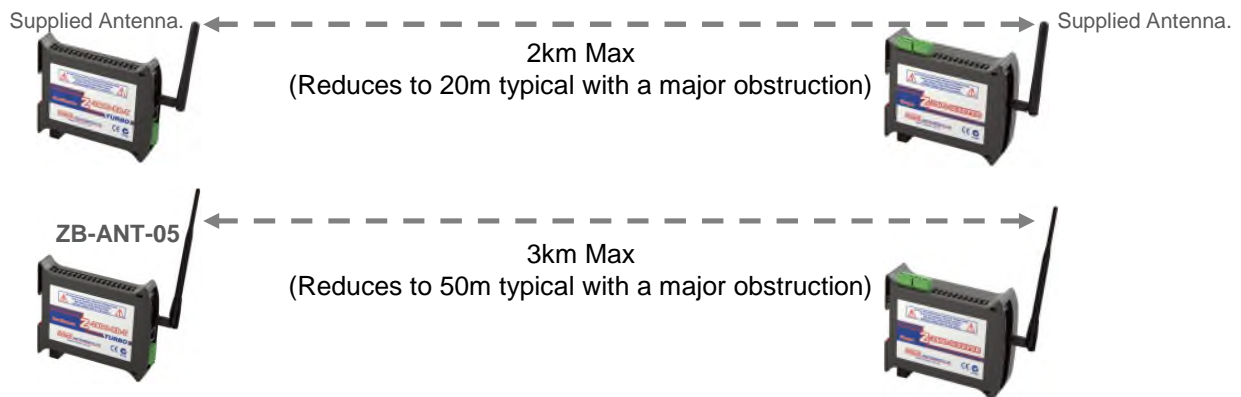


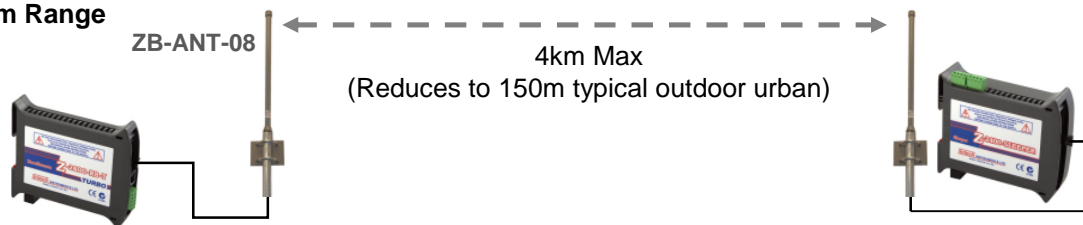
Z-2400-Sleeper Extended

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

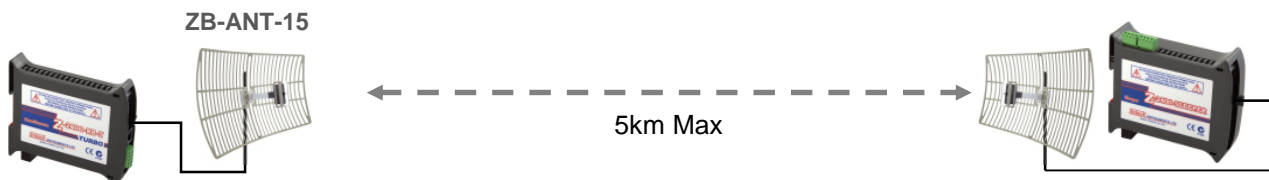
Short Range



Medium Range



Long Range - Point to Point



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 measured under **ideal conditions**; this means complete line of sight - no surrounding trees or buildings, no radio interference and pole mounted antennas at the appropriate height (refer to the Z-2400 Wireless Antenna Installation Guide for mounting height specifications).
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 a office building environment, where other transmitting devices are expected.
4. Use only antennas supplied by Intech for use with the Z-2400 wireless modules.
5. For outdoor antennas, it is highly recommended to apply the coax-seal over exposed coax connections. This is to protect from moisture ingress and corrosion and extend the life of the connection for as long as possible.

Product Liability. This information describes our products. It does not constitute guaranteed properties and is not intended to affirm the suitability of a product for a particular application. Due to ongoing research and development, designs, specifications, and documentation are subject to change without notification. Regrettably, omissions and exceptions cannot be completely ruled out. No liability will be accepted for errors, omissions or amendments to this specification. Technical data are always specified by their average values and are based on Standard Calibration Units at 25C, unless otherwise specified. Each product is subject to the 'Conditions of Sale'.


Warning: These products are not designed for use in, and should not be used for patient connected applications.
In any critical installation an independent fail-safe back-up system must always be implemented.

Z-2400-Sleeper Extended

Antenna Ordering Information.

MODEL	DESCRIPTION	
ZB-ANT-15	2.4GHz 15dBi Directional Parabolic Grid Antenna. (mounting brackets & 6m of low loss coax cable included) Designed for outdoor use.	
ZB-ANT-08	2.4GHz 8dBi Omni Directional Monopole Antenna. (mounting brackets & 6m of low loss coax cable included) Designed for outdoor use.	
ZB-ANT-05	2.4GHz 5.5dBi Rubber Duck Antenna. Designed for indoor use.	
ZB-ANT-02	2.4GHz 2.2dBi Rubber Duck Antenna. Designed for either indoor or outdoor use.	

Intech Z-2400 Wireless nodes.

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



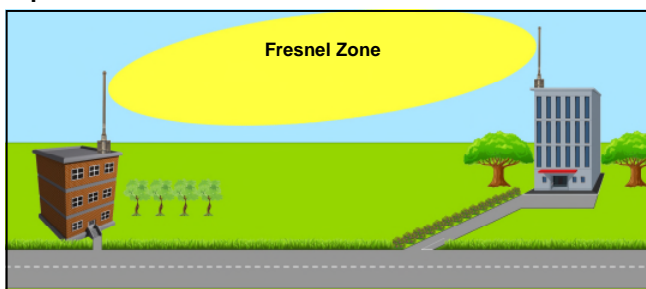
<< An SMA bulkhead and lead can be used with the Sleeper to mount the supplied rubber duck, or the 5.5dBi rubber duck directly onto an enclosure.

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

