



## ZN3-2000

Detachable mobile phone/wireless data improvement collinear

Upper 4G 1920-2170 MHz



Designed for mounting to a vehicle or in a fixed position, the ZN3-2000 detachable antenna is your ideal solution for vehicle mounted or fixed position for all carriers upper 4G network coverage or wireless data improvement.

Mounting hardware, adaptors, connectors and other installation accessories are all available separately.

|                                  |   |
|----------------------------------|---|
| Construction                     | Black fibreglass radome, detachable aluminium ferrule, 'barrel' spring base and cable assembly        |
| Frequency range                  | 1920-2170 MHz - all carriers upper 4G networks  |
| Bandwidth                        | Full frequency range stated - 250 MHz   |
| VSWR                             | <1.6:1  |
| Tuning                           | Factory   |
| Gain                             | 6.2 dBi   |
| Maximum power                    | 30 Watts  |
| Impedance                        | 50 Ohms   |
| Polarisation                     | Vertical  |
| H Plane                          | 360° omnidirectional  |
| Cable                            | 4.5 metres RG58 low loss, solid core, side exit from detachable ferrule                               |
| Connector                        | SMA male plug to cable as standard or specify requirements  |
| Height                           | 1.26 metres   |
| Weight                           | 925grams  |
| Mounting hardware order separate | Bullbar: BBM-SS, BBML-SS, BBMXL-SS or BBKB-B<br>Bracket Mounting: GM1, GM2, GM4, GM6 or ATLM-CH/B     |
| Mounting position recommended    | As high on your vehicle as possible using a minimum 13mm hole or appropriate bracket with a 13mm hole |
| Installation kit contents        | 1/8" Allen key, Soft PVC cap for spring base top and cable ties for coaxial cable securing            |
| Installation tools required      | 18mm spanner for base split nut securing  |



Side exit RG58 cable from ferrule

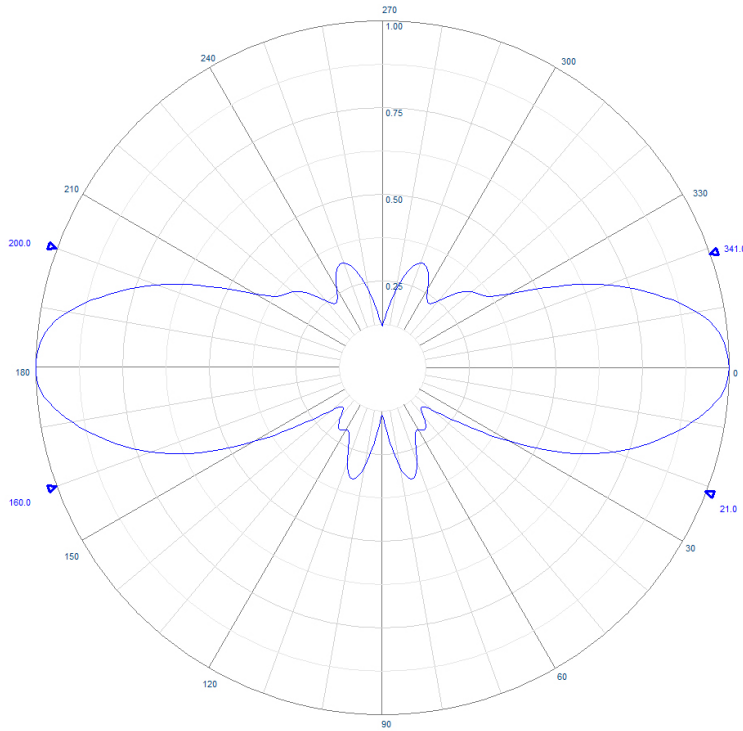


SMA male connector fitted as standard

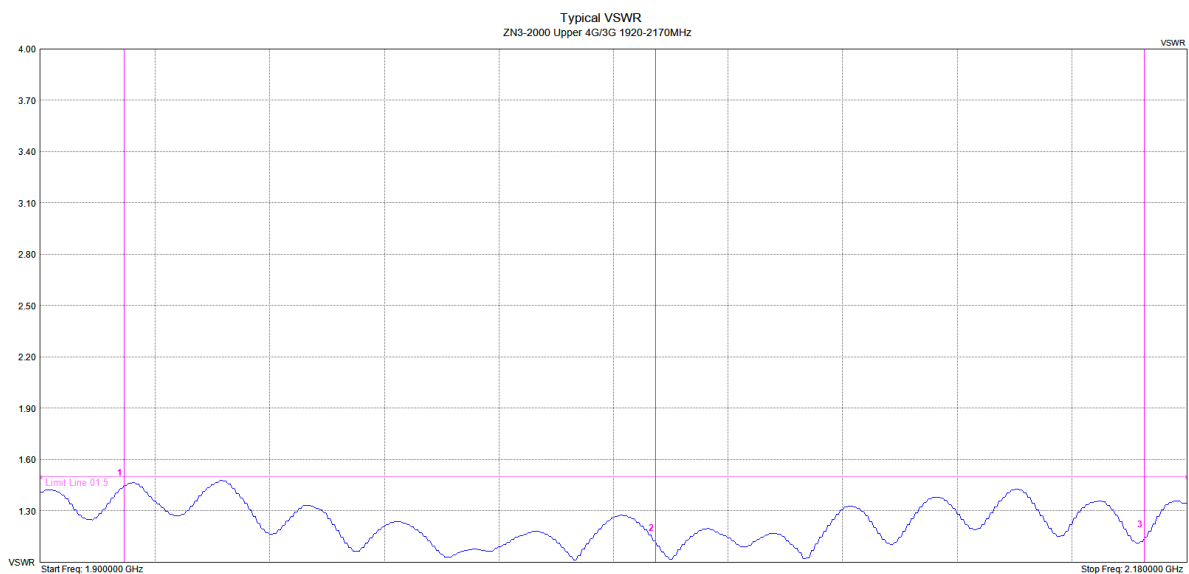


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Example radiation pattern



| Mtr | Ref                                 | Delta                    | Ref Freq  | Ref Amp  | Delta Freq | Delta Amp |
|-----|-------------------------------------|--------------------------|-----------|----------|------------|-----------|
| 1   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1.920 GHz | 1.45VSWR | --         | --        |
| 2   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2.050 GHz | 1.12VSWR | --         | --        |
| 3   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2.170 GHz | 1.15VSWR | --         | --        |
| 4   | <input type="checkbox"/>            | <input type="checkbox"/> | --        | --       | --         | --        |

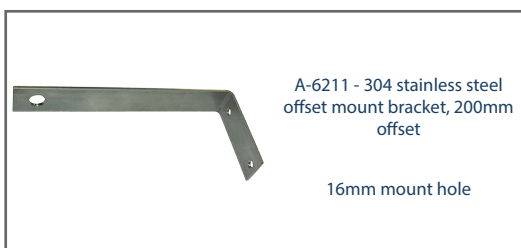
Typical VSWR

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### Recommended installation accessories

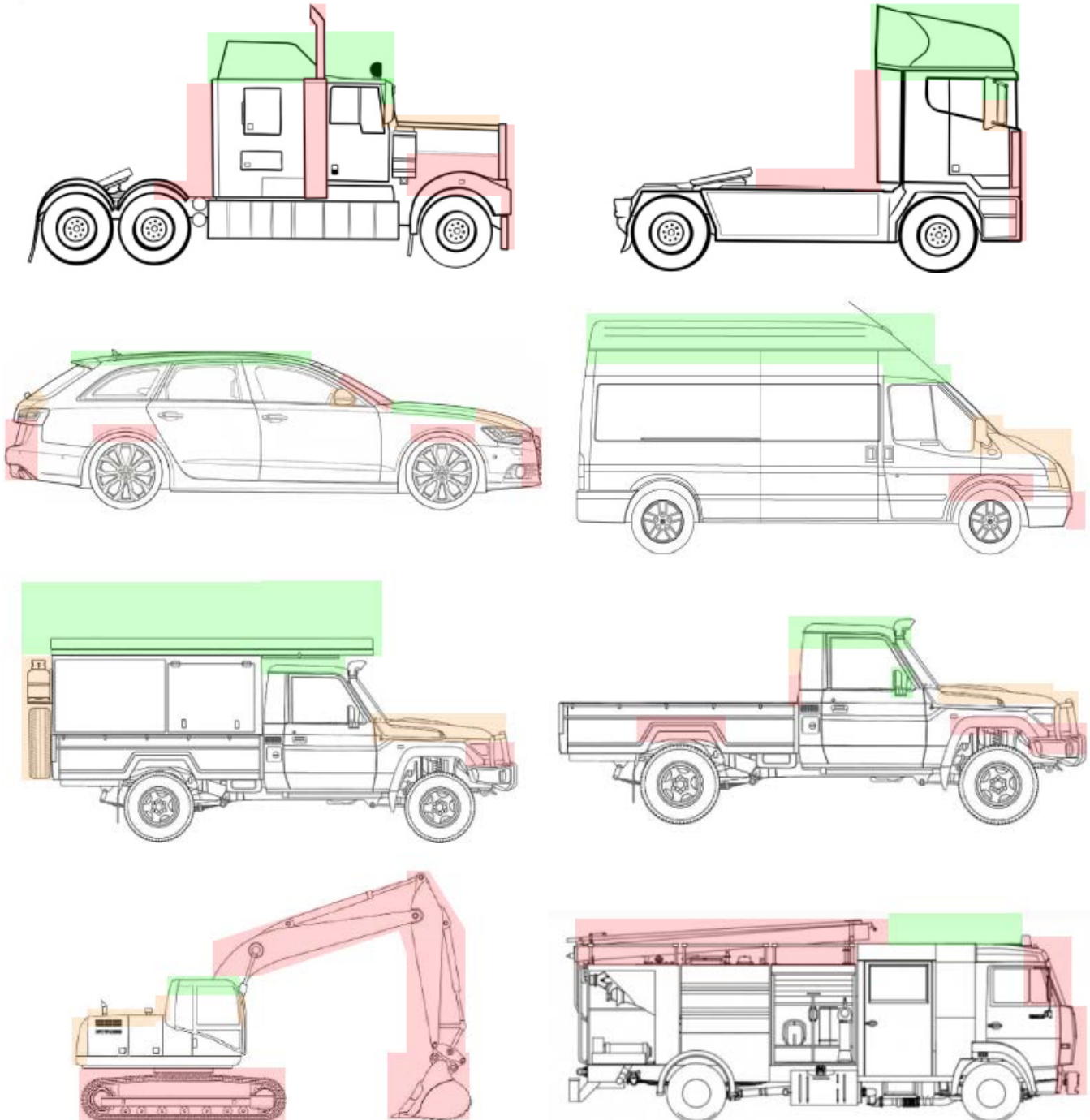


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All networks Upper 4G/3G 1920-2170 MHz

Vehicle Mounting locations



- Best/Recommended location for mounting
- Suitable mounting locations
- Not suitable mounting locations