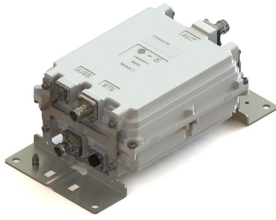


# E14R00P05

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Twin Tower Mounted Amplifier, Dual 2.6 GHz with AISG, with 4.3-10 connectors, rejection in 2700-3100MHz

- Firmware upgradeable to AISG 2.0

## Product Classification

**Product Type** 1-BTS:1-ANT (Uniplex) | Tower mounted amplifier

## General Specifications

**Color** Gray

**Modularity** 2-Twin

**Mounting** Pole | Wall

**Mounting Pipe Hardware** Band clamps (2)

**RF Connector Interface** 4.3-10 Female

**RF Connector Interface Body Style** Medium neck

## Dimensions

**Height** 190 mm | 7.48 in

**Width** 197 mm | 7.756 in

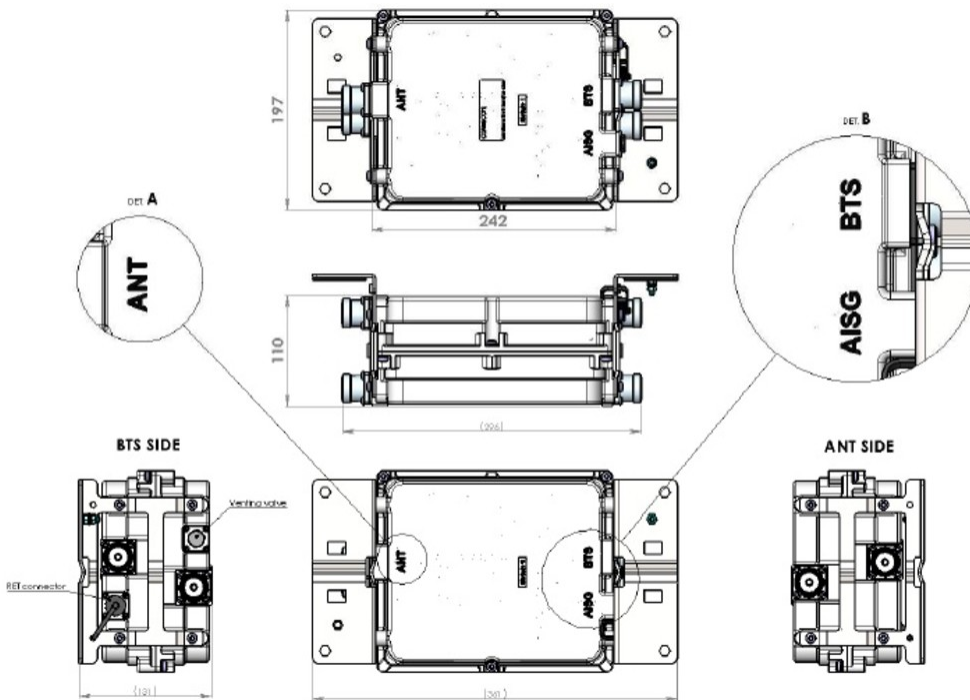
**Depth** 110 mm | 4.331 in

**Ground Screw Diameter** 5 mm | 0.197 in

**Mounting Pipe Diameter Range** 42.6–122 mm

## Outline Drawing

# E14R00P05



## Electrical Specifications

**License Band, LNA** IMT 2600

## Electrical Specifications, dc Power/Alarm

**Lightning Surge Current** 10 kA  
**Lightning Surge Current Waveform** 8/20 waveform  
**Operating Current at Voltage** 100 mA @ 12 Vdc  
**Operating Current Tolerance** ±15 mA  
**Voltage** 7–30 Vdc  
**Voltage, CWA Mode** 10–18 Vdc  
**Alarm Current, CWA Mode** 170 mA

## Electrical Specifications, AISG

**AISG Connector** 8-pin DIN Female  
**AISG Connector Standard** IEC 60130-9  
**Default Protocol** AISG 2.0  
**Protocol** AISG 1.1 | AISG 2.0  
**Voltage, AISG Mode** 10–30 Vdc

# E14R00P05

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## Electrical Specifications

<b>Sub-module</b>	<b>1   2</b>
<b>Branch</b>	1
<b>Port Designation</b>	ANT
<b>License Band</b>	IMT 2600, LNA
<b>Return Loss - Bypass Mode, typical, dB</b>	14
<b>TX Band Rejection, minimum, dB</b>	80

## Electrical Specifications Rx (Uplink)

<b>Frequency Range, MHz</b>	<b>2500–2570</b>
<b>Bandwidth, MHz</b>	70
<b>Gain, nominal, dB</b>	12
<b>Gain Tolerance, dB</b>	±1
<b>Noise Figure, typical, dB</b>	1.6
<b>Total Group Delay, maximum, ns</b>	55
<b>Output IP3, minimum, dBm</b>	26
<b>Return Loss, minimum, dB</b>	18
<b>Insertion Loss - Bypass Mode, typical, dB</b>	3

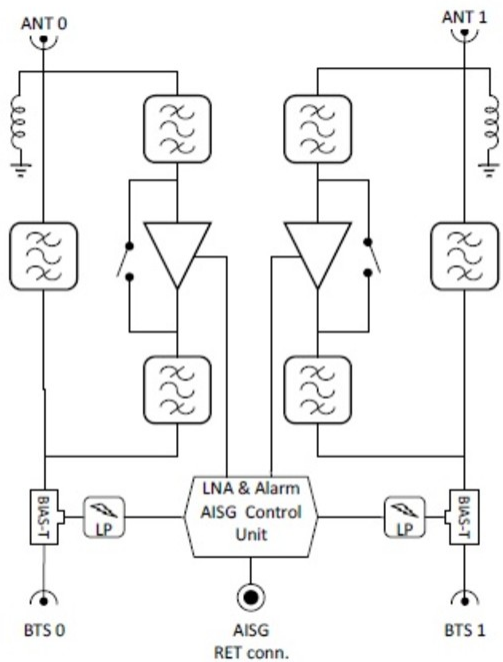
## Electrical Specifications Tx (Downlink)

<b>Frequency Range, MHz</b>	<b>2620–2690</b>
<b>Bandwidth, MHz</b>	70
<b>Insertion Loss, maximum, dB</b>	0.8
<b>Insertion Loss Ripple, maximum, dB</b>	0.2
<b>Total Group Delay, maximum, ns</b>	50
<b>Return Loss, minimum, dB</b>	18
<b>RX Band Rejection, minimum, dB</b>	60
<b>Input Power, RMS, maximum, W</b>	200
<b>3rd Order PIM, maximum, dBc</b>	-153
<b>3rd Order PIM Test Method</b>	Two +43 dBm carriers



# E14R00P05

## Block Diagram



## Material Specifications

**Finish** Painted

## Environmental Specifications

**Operating Temperature** -40 °C to +65 °C (-40 °F to +149 °F)

**Relative Humidity** Up to 100%

**Corrosion Test Method** IEC 60068-2-11, 30 days

**Ingress Protection Test Method** IEC 60529:2001, IP67

## Packaging and Weights

**Included** Mounting hardware

**Volume** 5.2 L

**Weight, net** 7.3 kg | 16.094 lb

## Regulatory Compliance/Certifications

### Agency

ISO 9001:2015

### Classification

Designed, manufactured and/or distributed under this quality management system

## \* Footnotes

**License Band, LNA** License Bands that have RxUplink amplification