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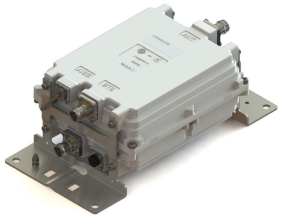

Twin Tower Mounted Amplifier, Dual 2.6 GHz with AISG, with 4.3-10 connectors, rejection in 2700-3100MHz

- Firmware upgradeable to AISG 2.0

OBSOLETE

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

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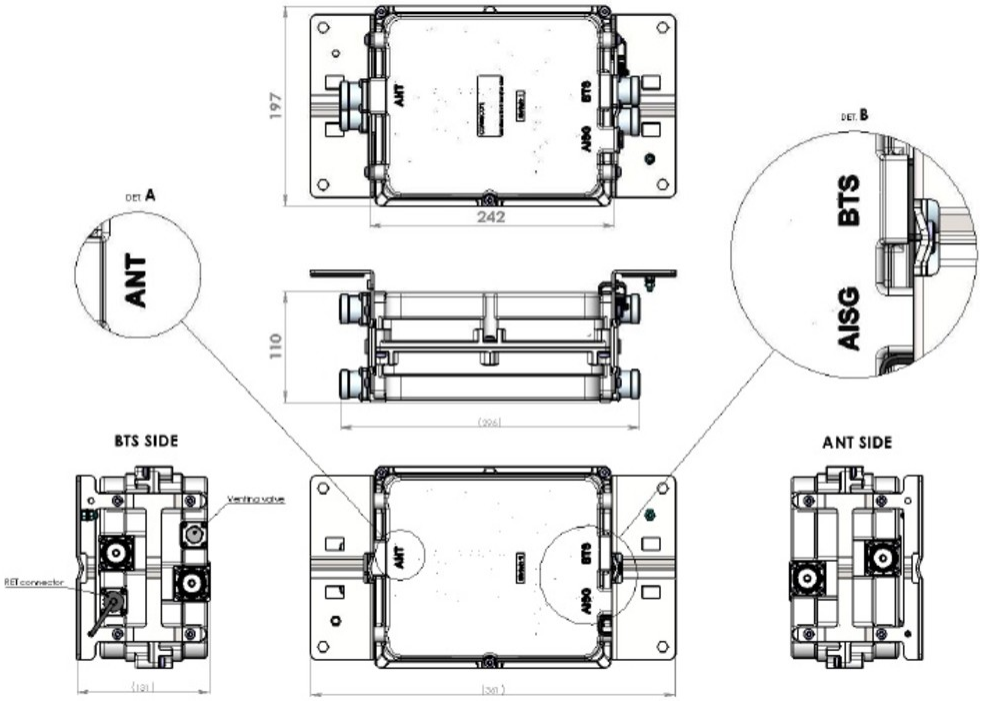

Electrical Specifications

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

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Electrical Specifications

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

Electrical Specifications Rx (Uplink)

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

Electrical Specifications Tx (Downlink)

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

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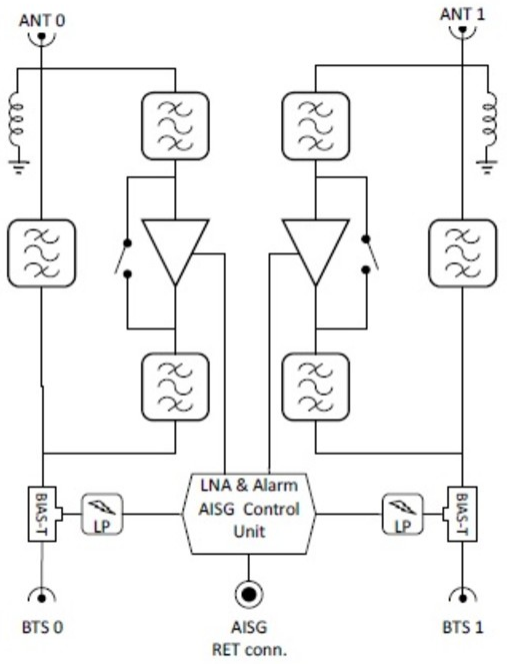
Block Diagram



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	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

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* Footnotes

License Band, LNA	License Bands that have RxUplink amplification