

Features:

- Dual Combiner in a Single Box
- Dual MIMO in-band 1800MHz Combining
- Able to Insert a 10MHz LTE Carrier Between 1800MHz GSM Blocks With Minimal Spectral Loss
- Symmetrical ultra-narrow Guard Bands, 700KHz Each Side
- Factory Configurable DC/AISG Pass-through
- IP67 Rated for Outdoor Use

Filter Specifications

Passband BTS1A / BTS1B

Passband BTS2A / BTS2B

Cross Over Point BTS1/BTS2

Guard Band BTS1/BTS2

Full 1800MHz band excluding BTS2A/BTS2B pass band plus guard bands

10MHz block factory tuneable within 1800MHz band

Factory Tuneable to any frequency within 1800MHz band (optimised for lower section of band)

2 x 700KHz

Uplink (RX) Specifications

Insertion Loss

BTS1A to ANTA, BTS1B to ANTB

BTS2A to ANTA, BTS2B to ANTB

Return Loss, all ports

< 0.75dB typical, 1.5dB max bandedge

< 0.75dB typical, 1.5dB max bandedge

> 18dB

Downlink (TX) Specifications

Insertion Loss

BTS1A to ANTA, BTS1B to ANTB

BTS2A to ANTA, BTS2B to ANTB

Return Loss, all ports

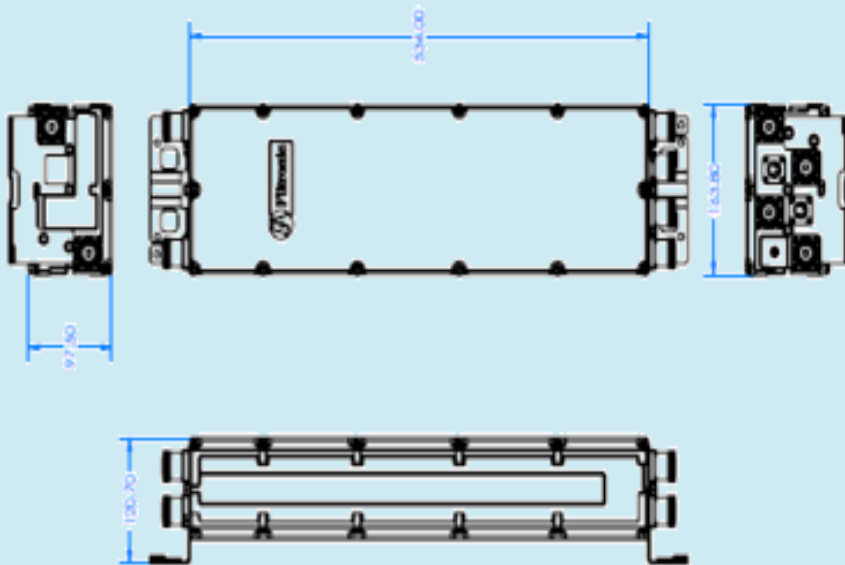
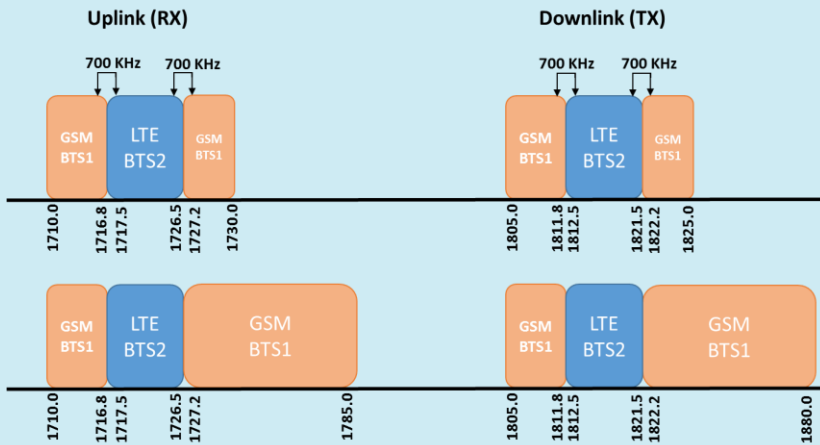
IMD in RX Band

< 0.75dB typical, 1.5dB max bandedge

< 0.75dB typical, 1.5dB max bandedge

> 18dB

> 160dBc (2 x 43dBm tones)



BTS to BTS Isolation

BTS1A to BTS2A / BTS1B to BTS2B >30dB

Configuration Example

Passband BTS1A / BTS1B

1805.0 to 1811.8MHz and 1822.2 to 1825.0MHz TX
1710.0 to 1716.8MHz and 1727.7 to 1730.0MHz RX

Passband BTS2A / BTS2B

1812.5 to 1821.5MHz TX, 1717.5 to 1726.5MHz RX

DC and AISG

AISG Path

Factory configurable

Connections

BTS1A/B or BTS2A/B to ANT A/B

Communications Band

2.176MHz AISG

DC

< 2.5A, 10 to 32V

Mechanical

Connectors

6 x 7/16 DIN Female, Long Neck

Dimensions

164 x 524 x 100mm

Weight

10.5kg (23.15lbs)

Colour

Light grey powder coat

Mounting arrangements

Rack, wall or pole

Environmental

Operating Temp (°C)

-30 to +50

Altitude

< 2500m

Ingress Protection

IP67

Humidity

< 90%

EMEA

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