

## Features:

- Dual MIMO in-band 1800MHz Combining
- Combines 2 Contiguous LTE1800 Blocks With No Loss of Spectrum
  - 5.5MHz Centre-to-centre for 5MHz LTE
  - 10MHz Centre-to-centre for 10MHz LTE
- Passive RX Split To Be Used With TMAs
- Low TX Loss, 0.7dB Typical
- Factory Configurable DC/AISG Pass-Through
- Sealed to IP67 for Outdoor Installations

## Filter Specifications

Passband BTS2A / BTS2B, TX  
 Passband BTS1A / BTS1B, TX  
 Passband BTS1 / BTS2, RX  
 Cross Over Point BTS1/BTS2, TX  
 Guard Band BTS1/BTS2, TX

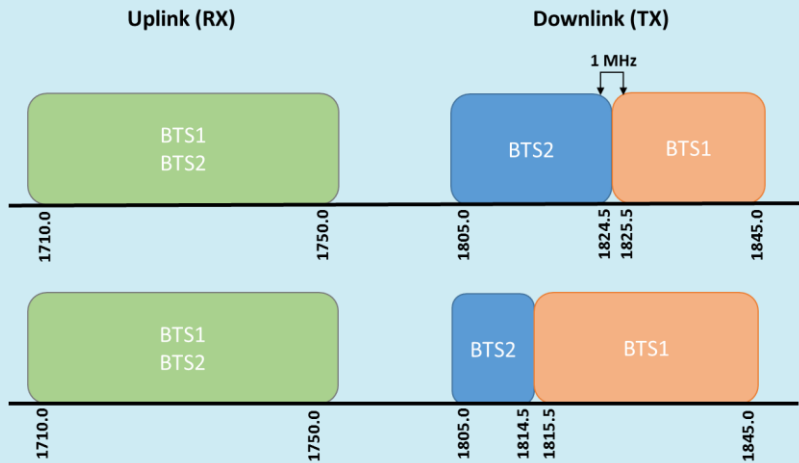
5-20MHz LTE block factory tuneable within 1800MHz band  
 Factory tuneable to any LTE block size within 1800MHz band  
 Factory tuneable up to 40MHz bandwidth within 1800MHz band  
 Factory tuneable within 800MHz band  
 1MHz, 10MHz carrier spacing for two 10MHz LTE signals

## Uplink (RX) Specifications

Insertion Loss < 3.6dB  
 Insertion Loss Ripple < 0.5dB peak-peak  
 Return Loss > 18dB

## Downlink (TX) Specifications

Insertion Loss, CW  
 BTS1A to ANTA, BTS1B to ANTB < 1.5dB, <1.2dB typical  
 BTS2A to ANTA, BTS2B to ANTB < 1.5dB, <1.2dB typical  
 Insertion Loss, 5MHz LTE > 18dB  
 BTS1A / BTS1B < 0.6dB (bandedge), <0.4dB (rest of the band)  
 BTS2A / BTS2B < 0.75dB (bandedge), <0.7dB (rest of the band)  
 Isolation TX-TX > 30dB  
 IMD in RX Band > 163dBc (2 x 43dBm tones)



## Downlink (TX) Specification, Continue

Return Loss	> 18dB
Power handling, all ports	100W

## Configuration Example

Passband BTS1A / BTS1B	1805 to 1824.5MHz TX, 1710 to 1750MHz RX
Passband BTS2A / BTS2B	1825.5 to 1845MHz TX, 1710 to 1750MHz RX

## DC and AISG

AISG Path	Factory Configurable
Connections	BTS2A/B or BTS2A/B to ANTA/B
AISG Band Return Loss	> 20dB
DC	< 2.5 A, < 32 V

## Mechanical

Connectors	6 x 7/16 DIN Female, Long Neck
Configuration	In Line
Dimensions	161 x 420 x 96 mm
Weight inc brackets	8 kg (17 lbs)
Colour	Light grey
Mounting arrangements	Rack, wall or pole

## Environmental

Operating Temp (°C)	-40 to +55 °C
Altitude	< 3000 m
Ingress Protection	IP67

**EMEA**  
 Filtronic Wireless Ltd.  
 3 Airport West  
 Lancaster Way  
 Yeadon  
 United Kingdom  
 +44 174 062 5163

**Americas**  
 Filtronic Wireless Inc.  
 700 Marvel Rd  
 Salisbury  
 MD 21801  
 United States of America  
 +1 410 202 8811

