

Features:

- Dual Combiner in a Single Box
- Combines Two 2100MHz Blocks With Min Guard Band of 15MHz
- Ultra-Low EVM, < 1.5%
- Very Low Loss, < 0.6dB Typical
- Extremely Compact
- Sealed to IP67 for Outdoor Installations

Filter Specifications

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

5-15MHz block factory tuneable within 2100MHz band
 Factory Tuneable to any block size within 2100MHz band
 Factory Tuneable to any frequency within 2100MHz band
 15MHz, min

Uplink (RX) Specifications

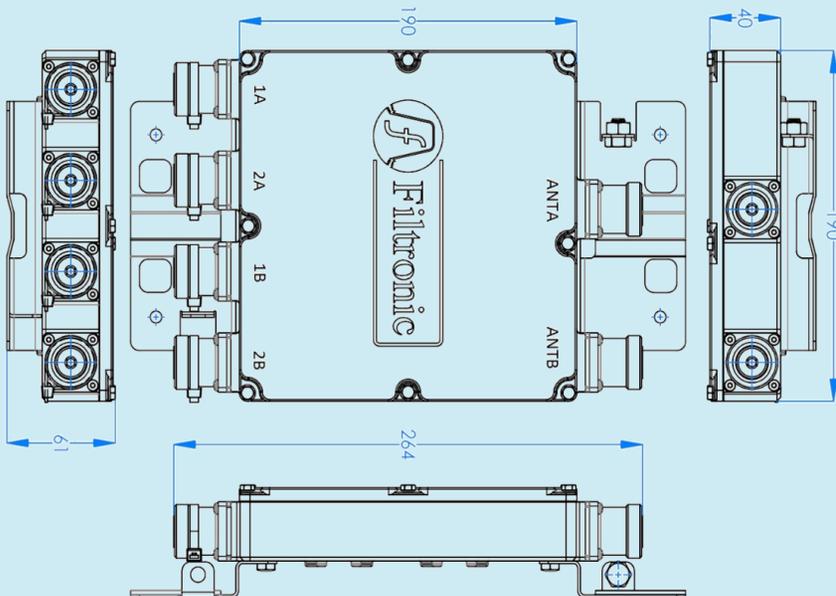
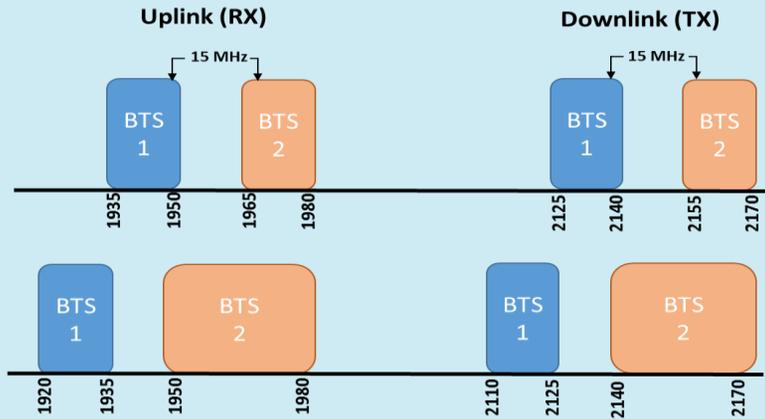
Insertion Loss
 BTS1A to ANTA, BTS1B to ANTB
 BTS2A to ANTA, BTS2B to ANTB
 Return Loss, all ports

< 0.7dB, 0.6dB typical
 < 0.5dB, 0.4dB typical
 > 18 dB

Downlink (TX) Specifications

Insertion Loss
 BTS1A to ANTA, BTS1B to ANTB
 BTS2A to ANTA, BTS2B to ANTB
 EVM
 Return Loss, all ports
 IMD in RX Band
 Power Handling

< 0.7dB, 0.6dB typical
 < 0.5dB, 0.4dB typical
 < 1.5%
 > 18 dB
 > 160dBc (2 x 43dBm tones)
 > 250W RMS total



BTS to BTS Isolation

BTS1A to BTS2A / BTS1B to BTS2B >30dB

Configuration Example

Passband BTS1A / BTS1B

2110 to 2125MHz TX, 1920 to 1935MHz RX

Passband BTS2A / BTS2B

2140 to 2170MHz TX, 1950 to 1980MHz RX

DC and AISG

AISG Path

Field or factory configurable with external DC block

Connections

BTS1A/B to ANT A/B and BTS2A/B to ANT A/B

Communications Band

2.176MHz AISG

DC

< 2.5 A, 10 to 32 V

Mechanical

Connectors

6 x 7/16 DIN Female, Long Neck

Dimensions

190 x 200 x 43 mm

Weight

<2.5 kg (5.5lbs)

Colour

Light grey powder coat

Mounting arrangements

Rack, wall or pole

Environmental

Operating Temp (°C)

-30 to +50

Altitude

< 2500 m

Ingress Protection

IP67

Humidity

< 90%

EMEA

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