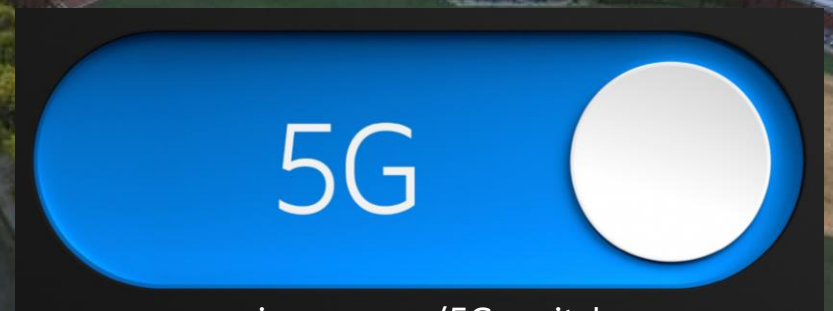


Radio Portfolio B41 Products for T-Mobile

March 2020



ericsson.com/5G-switch

AIR 6488, B41



- Advanced Antenna System (AAS)
- 64TX/64RX with 128 AE
- Support operation frequency range 2496-2690 MHz
- Support output power up to 200W
- Support 100 MHz IBW & CBW
- Support NR and NR+LTE in split mode
- 3 x 10 Gbps eCPRI
- Power consumption < 1290W
- Weight: 58 kg
- Size (H x W x D): 884x520x183 mm
- -48 VDC (3-wire or 2-wire)
- -40 to +55°C
- Multi-layer MU MIMO
 - DL/UL: 16/8



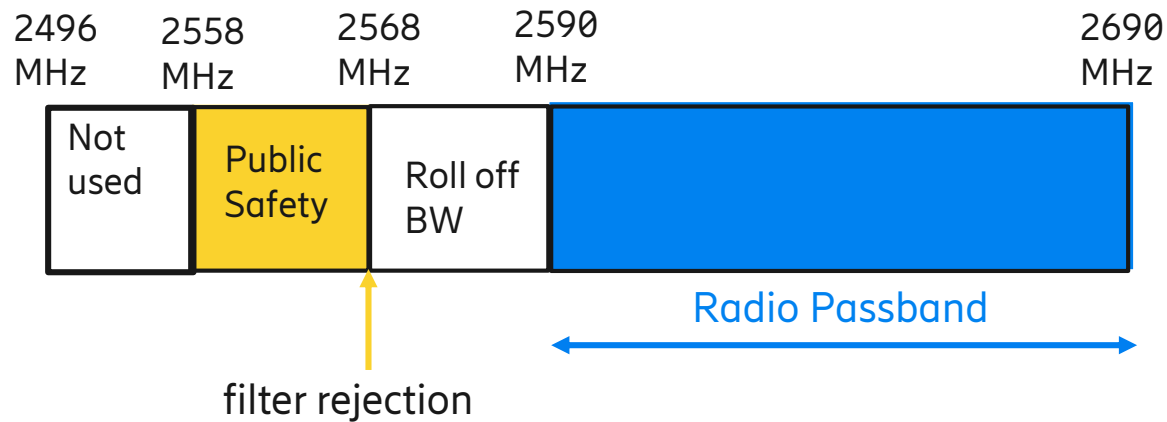
AIR 6488, B41M



- Advanced Antenna System (AAS)
- 64TX/64RX with 128 AE
- Support operation frequency range 2590-2690 MHz
- Support output power up to 200W
- Support 100 MHz IBW & CBW
- Support NR and NR+LTE in split mode
- 3 x 10 Gbps eCPRI
- Power consumption < 1290W
- Weight: 58 kg
- Size (H x W x D): 884x520x183 mm
- -48 VDC (3-wire or 2-wire)
- -40 to +55°C
- Multi-layer MU MIMO
 - DL/UL: 16/8



AIR 6488M for New York City Band 41M support



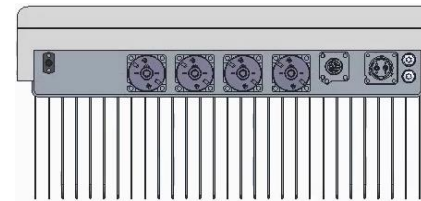
B41 in New York City currently has a UMTS Public Safety Network that requires OOB interference protection from New T-Mobile Network

AIR 6449

Preliminary



- 192 antenna elements, 3:1 subarray
- Up to 300W
- Up to 200 MHz Operating BW & Carrier BW
- Two 25 Gb/s SFP(C2) and Two 10 Gb/s QSFP(C1FD and C2 backup)
- -48V 45 A Two wire and three wire versions
- APC light connector and Self test push button
- Sensor support but undefined
- Size B41:
 - 841 x 521 x 217 mm (H x W x D)
 - Volume: 95 liter
 - Weight: 47 kg



PRA: July 2020






Radio 8863

Preliminary

- 8TX/8RX
- Support split mode (2 x 4T4R or 4 x 2T2R as multi-sector solution)
- Tx Power 8x40W
- 200MHz IBW TDD
- 2x10.1/25Gbps CPRI
- 21.5 liter, 21kg
- External antenna calibration
- -48 VDC 3-wire
- AISG RET support via RS-485 or RF connectors
- Optional fan for increased site flexibility
- 2 external alarm
- Convectional cooling
- IP 65, -40 to +55°C



Radio Details: Mid Band TDD (Massive) MIMO (Band 41)

AIR or Radio Type	AIR 6488 (G2) 	AIR 6449 (G4) 	Radio 8863 
RATs supported	L, NR	L, NR	L, NR
Power capability	200W	300W	8x40W
Modulation	256QAM	256QAM	256QAM
Bandwidth (IBW/CBW)	100 MHz or 60L+60N	194 MHz	196 MHz
Tx and Rx Array	64T64R	64T64R	8 CSI-RS ports
MIMO layers (DL/UL)	16 DL / 8 UL	16 DL / 8 UL	16 DL / 8 UL
CPRI ports	3 x 10G	4 x 25G* (2x10G+2x25G)	2 x 25G*
Dimensions (HxWxD)	884mm x 520mm x 183mm (34.8" x 20.5" x 7.2")	840mm x 520mm x 210mm (33.1" x 20.5" x 8.3")	(21.5 ltr)
Weight	58 kg (128 lbs)	47 kg (103 lbs)	Approx. 21 kg (46 lbs)
Cooling	Convection	Convection	Convection
Power	-48VDC	-48VDC	-48VDC
Power Consumption	1290W	<1100W	TBD
Availability	Q2 2019	Q3 2020	Q2 2020



Radio 4408 B41

- 4TX/4RX TDD
- 4x5W
- IBW up to 150 MHz CBW
- Up to 6 LTE carriers
- 2x 2.5/5/9.8/10.1Gbps CPRI
- 4 liter, less than 5kg incl bracket and cover
- AC or -48 VDC
- Integrated or external antenna
- 2 external alarm
- IP 65
- -40 to +55°C



