# Signal connections For L1800 RUS (Baseline)

L2600

10G Optic CPRI (F-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (D-Data 1)
2.5G Optic CPRI (6-Data 1)
2.5G Optic CPRI (11-Data 1)
2.5G Optic CPRI (15-Data 1)

R503 (VF)

RPM 777 579/* (A-1)
RPM 777 579/* (B-2)
RPM 777 579/* (C-3)

BB6630 4G (VF)

2.5G Optic CPRI (Q-Data 2)
2.5G Optic CPRI (P-Data 2)
2.5G Optic CPRI (N-Data 2)
RPM 777 211/* (4-Data 2)
RPM 777 211/* (5-Data 2)
RPM 777 211/*(9-Data 2)
RPM 777 211/* (10-Data 2)
RPM 777 211/*(13-Data 2)
RPM 777 211/*(14-Data 2)

L8/L9

L2100

L1800

RPM 777 211/*(14-Data 1)
RPM 777 211/*(13-Data 1)
RPM 777 211/*(10-Data 1)
RPM 777 211/*(9-Data 1)
RPM 777 211/*(5-Data 1)
RPM 777 211/*(4-Data 1)
2.5G Optic CPRI (N-Data 1)
2.5G Optic CPRI (P-Data 1)
2.5G Optic CPRI (Q-Data 1)

80 83 81 84 82 85

2.5G Optic CPRI (16-Data 2)

R503 (TEF)

2.5G Optic CPRI (15-Data 2)
2.5G Optic CPRI (12-Data 2)
2.5G Optic CPRI (11-Data 2)
2.5G Optic CPRI (7-Data 2)
2.5G Optic CPRI (6-Data 2)

RPM 777 579/*(A-1)
RPM 777 579/*(B-2)
RPM 777 579/*(C-3)

BB6630 4G (TEF)

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

L2300

10G Optic CPRI (D-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (F-Data 1)

**20W/12W High (Indoor or Outdoor)**
**20W/12W Medium (Indoor or Outdoor)**
**20W/12W L18 Small (Indoor or Outdoor)**

Sector 3 | Sector 2 | Sector 1

Items 80-85 - RPM 777 700/00130 (RXA I/O – RXB I/O)

# Signal connections For L18 MIMO 4x4 (Baseline)

L2600

L2100

L2300

L1800

L8/L9

R503 (VF)

BB6630 4G (VF)

R503 (TEF)

BB6630 4G (TEF)

10G Optic CPRI (F-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (D-Data 1)
2.5G Optic CPRI (6-Data 1)
2.5G Optic CPRI (11-Data 1)
2.5G Optic CPRI (15-Data 1)
RPM 777 579/* (A-1)
RPM 777 579/* (B-2)
RPM 777 579/* (C-3)
2.5G Optic CPRI (Q-Data 2)
2.5G Optic CPRI (P-Data 2)
2.5G Optic CPRI (N-Data 2)
2.5G Optic CPRI (5-Data 2)
2.5G Optic CPRI (10-Data 2)
2.5G Optic CPRI (14-Data 2)
2.5G Optic CPRI (14-Data 1)
2.5G Optic CPRI (16-Data 2)
2.5G Optic CPRI (10-Data 1)
2.5G Optic CPRI (N-Data 1)
2.5G Optic CPRI (P-Data 1)
2.5G Optic CPRI (Q-Data 1)
2.5G Optic CPRI (5-Data 1)
2.5G Optic CPRI (15-Data 2)
2.5G Optic CPRI (12-Data 2)
2.5G Optic CPRI (11-Data 2)
2.5G Optic CPRI (7-Data 2)
2.5G Optic CPRI (6-Data 2)
RPM 777 579/*(A-1)
RPM 777 579/*(B-2)
RPM 777 579/*(C-3)
RPM 113 6127/1000
1 ANT
2 GPS Receiver (GRU)
TSR 951 357/1500
To GPS feeder

**20W/12W High (Indoor or Outdoor)**
**20W/12W Medium (Indoor or Outdoor)**
**20W/12W L18 Small (Indoor or Outdoor)**

Sector 3 | Sector 2 | Sector 1

# Signal connections with N21 & N7 (MoRAN)
# 6x2217 B1

L2600

10G Optic CPRI (16-Data 1)
10G Optic CPRI (12-Data 1)
10G Optic CPRI (7-Data 1)
2.5G Optic CPRI (6-Data 1)
2.5G Optic CPRI (11-Data 1)
2.5G Optic CPRI (15-Data 1)

R503 (VF)

BB6630 4G/5G (VF)

RPM 777 579/* (A-1)
RPM 777 579/* (B-2)
RPM 777 579/* (C-3)

2.5G Optic CPRI (14-Data 2)
2.5G Optic CPRI (10-Data 2)
2.5G Optic CPRI (5-Data 2)

2.5G Optic CPRI (G-Data 2)
2.5G Optic CPRI (H-Data 2)
2.5G Optic CPRI (J-Data 2)

LN2100

L8/L9

N700

L1800

86 80 83
87 81 84
88 82 85

2.5G Optic CPRI (14-Data 1)
2.5G Optic CPRI (10-Data 1)
2.5G Optic CPRI (5-Data 1)

2.5G Optic CPRI (J-Data 1)
2.5G Optic CPRI (H-Data 1)
2.5G Optic CPRI (G-Data 1)

RPM 777 211/*(A-Data 1)
RPM 777 211/*(B-Data 1)
RPM 777 211/*(C-Data 1)

2.5G Optic CPRI (16-Data 2)

R503 (TEF)

BB6630 FDD+TDD (TEF)

BB6630 4G/5G (TEF)

2.5G Optic CPRI (15-Data 2)
2.5G Optic CPRI (12-Data 2)
2.5G Optic CPRI (11-Data 2)
2.5G Optic CPRI (7-Data 2)
2.5G Optic CPRI (6-Data 2)

RPM 777 579/*(A-1)
RPM 777 579/*(B-2)
RPM 777 579/*(C-3)

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

**20W/12W High (Indoor or Outdoor)**
**20W/12W Medium (Indoor or Outdoor)**
**20W/12W L18 Small (Indoor or Outdoor)**

L2300

10G Optic CPRI (D-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (F-Data 1)

Sector 3 | Sector 2 | Sector 1

Items 86-88 - RPM 777 274/00650 (Data 2 – Data 1)

Items 80-85 - RPM 777 700/00130 (RXA I/O – RXB I/O)

# Signal connections with N21 & N7 (MoRAN)
# 3x4415 B1

L2600

10G Optic CPRI (16-Data 1)
10G Optic CPRI (12-Data 1)
10G Optic CPRI (7-Data 1)
10G Optic CPRI (6-Data 1)
10G Optic CPRI (11-Data 1)
10G Optic CPRI (15-Data 1)

R503 (VF)

BB6630 4G/5G (VF)

RPM 777 579/* (A-1)
RPM 777 579/* (B-2)
RPM 777 579/* (C-3)

2.5G Optic CPRI (14-Data 2)
2.5G Optic CPRI (10-Data 2)
2.5G Optic CPRI (5-Data 2)
2.5G Optic CPRI (G-Data 2)
2.5G Optic CPRI (H-Data 2)
2.5G Optic CPRI (J-Data 2)

LN2100

L8/L9

N700

L1800

86 87 88
80 81 82
83 84 85

2.5G Optic CPRI (14-Data 1)
2.5G Optic CPRI (10-Data 1)
2.5G Optic CPRI (5-Data 1)
2.5G Optic CPRI (J-Data 1)
2.5G Optic CPRI (H-Data 1)
2.5G Optic CPRI (G-Data 1)

RPM 777 211/*(A-Data 1)
RPM 777 211/*(B-Data 1)
RPM 777 211/*(C-Data 1)

R503 (TEF)

BB6630 FDD+TDD (TEF)

BB6630 4G/5G (TEF)

RPM 777 579/*(A-1)
RPM 777 579/*(B-2)
RPM 777 579/*(C-3)

10G Optic CPRI (15-Data 2)
10G Optic CPRI (11-Data 2)
10G Optic CPRI (6-Data 2)

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

L2300

10G Optic CPRI (D-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (F-Data 1)

**20W/12W High (Indoor or Outdoor)**
**20W/12W Medium (Indoor or Outdoor)**
**20W/12W L18 Small (Indoor or Outdoor)**

Sector 3 | Sector 2 | Sector 1

Items 86-88 - RPM 777 274/00650 (Data 2 – Data 1)

Items 80-85 - RPM 777 700/00130 (RXA I/O – RXB I/O)

# Signal connections For Baseline

L2600

10G Optic CPRI (F-Data 1)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (D-Data 1)

2.5G Optic CPRI (M-Data 1)

2.5G Optic CPRI (K-Data 1)

2.5G Optic CPRI (H-Data 1)

BB6630 4G (VF)

2.5G Optic CPRI (Q-Data 2)

2.5G Optic CPRI (P-Data 2)

2.5G Optic CPRI (N-Data 2)

L800

U2100

L2100

RPM 777 211/* (C-Data 1)

RPM 777 211/* (B-Data 1)

RPM 777 211/* (A-Data 1)

1 2 3 6 7 8 9 10 11

2.5G Optic CPRI (N-Data 1)

2.5G Optic CPRI (P-Data 1)

2.5G Optic CPRI (Q-Data 1)

BB6630 4G (TEF)

2.5G Optic CPRI (H-Data 2)

RPM 113 6127/1000

1 ANT

2 GPS Receiver (GRU)

2.5G Optic CPRI (K-Data 2)

2.5G Optic CPRI (M-Data 2)

10G Optic CPRI (D-Data 1)

10G Optic CPRI (E-Data 1)

TSR 951 357/1500

To GPS feeder

10G Optic CPRI (F-Data 1)

L2300

**20W Network Rail No-L18 (Indoor or Outdoor)**

Sector 3 | Sector 2 | Sector 1

Items 1-3 - RPM 777 274/00650 (Data 2 – Data 1)

Items 6-11 - RPM 777 700/00130 (RXA I/O – RXB I/O)

# Signal connections with N21 & N7 (Tef only)

L2600

10G Optic CPRI (J-Data 1)
10G Optic CPRI (H-Data 1)
10G Optic CPRI (G-Data 1)
2.5G Optic CPRI (C-Data 1)
2.5G Optic CPRI (B-Data 1)
2.5G Optic CPRI (A-Data 1)

BB6630 4G/5G (VF)

LN2100

2.5G Optic CPRI (D-Data 2)
2.5G Optic CPRI (E-Data 2)
2.5G Optic CPRI (F-Data 2)

L800

N700

2.5G Optic CPRI (F-Data 1)
2.5G Optic CPRI (E-Data 1)
2.5G Optic CPRI (D-Data 1)
2.5G Optic CPRI (A-Data 2)
2.5G Optic CPRI (B-Data 2)
2.5G Optic CPRI (C-Data 2)
2.5G Optic CPRI (G-Data 1)
2.5G Optic CPRI (H-Data 1)
2.5G Optic CPRI (J-Data 1)

U2100

RPM 777 211/* (C-Data 1)
RPM 777 211/* (B-Data 1)
RPM 777 211/* (A-Data 1)

BB6630 FDD+TDD (TEF)

BB6630 4G/5G (TEF)

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

## 20W Network Rail No-L18 (Indoor or Outdoor)

10G Optic CPRI (D-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (F-Data 1)

L2300

Sector 3 | Sector 2 | Sector 1

Items 1-3 - RPM 777 274/00650 (Data 2 – Data 1)

Items 6-11 - RPM 777 700/00130 (RXA I/O – RXB I/O)

# Signal connections with N21 & N7 (MoRAN)

L2600

10G Optic CPRI (16-Data 1)
10G Optic CPRI (12-Data 1)
10G Optic CPRI (7-Data 1)
2.5G Optic CPRI (6-Data 1)
2.5G Optic CPRI (11-Data 1)
2.5G Optic CPRI (15-Data 1)

R503 (VF)

BB6630 4G/5G (VF)

RPM 777 579/* (A-1)
RPM 777 579/* (B-2)
RPM 777 579/* (C-3)

LN2100

2.5G Optic CPRI (14-Data 2)
2.5G Optic CPRI (10-Data 2)
2.5G Optic CPRI (5-Data 2)

2.5G Optic CPRI (J-Data 2)
2.5G Optic CPRI (H-Data 2)
2.5G Optic CPRI (G-Data 2)

L800

N700

2.5G Optic CPRI (F-Data 1)
2.5G Optic CPRI (E-Data 1)
2.5G Optic CPRI (D-Data 1)
2.5G Optic CPRI (A-Data 2)
2.5G Optic CPRI (B-Data 2)
2.5G Optic CPRI (C-Data 2)

2.5G Optic CPRI (G-Data 1)
2.5G Optic CPRI (H-Data 1)
2.5G Optic CPRI (J-Data 1)

U2100

RPM 777 211/* (C-Data 1)
RPM 777 211/* (B-Data 1)
RPM 777 211/* (A-Data 1)

BB6630 FDD+TDD (TEF)

BB6630 4G/5G (TEF)

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

**20W Network Rail No-L18 (Indoor or Outdoor)**

10G Optic CPRI (D-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (F-Data 1)

L2300

Sector 3 | Sector 2 | Sector 1

Items 1-3 - RPM 777 274/00650 (Data 2 – Data 1)

Items 6-11 - RPM 777 700/00130 (RXA I/O – RXB I/O)

# Signal connections For Baseline

L2600

10G Optic CPRI (F-Data 1)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (D-Data 1)

2.5G Optic CPRI (6-Data 1)

2.5G Optic CPRI (11-Data 1)

2.5G Optic CPRI (15-Data 1)

R503 (VF)

BB6630 4G (VF)

RPM 777 579/* (A-1)

RPM 777 579/* (B-2)

RPM 777 579/* (C-3)

2.5G Optic CPRI (Q-Data 2)

2.5G Optic CPRI (P-Data 2)

2.5G Optic CPRI (N-Data 2)

RPM 777 211/* (4-Data 2)

RPM 777 211/* (5-Data 2)

RPM 777 211/*(9-Data 2)

RPM 777 211/* (10-Data 2)

RPM 777 211/*(13-Data 2)

RPM 777 211/*(14-Data 2)

L800

U2100

RPM 777 211/* (C-Data 1)

RPM 777 211/* (B-Data 1)

RPM 777 211/* (A-Data 1)

L2100

RPM 777 211/*(14-Data 1)

L1800

80 83 81 84 82 85

RPM 777 211/*(13-Data 1)

RPM 777 211/*(10-Data 1)

RPM 777 211/*(9-Data 1)

RPM 777 211/*(5-Data 1)

RPM 777 211/*(4-Data 1)

2.5G Optic CPRI (N-Data 1)

2.5G Optic CPRI (P-Data 1)

2.5G Optic CPRI (Q-Data 1)

R503 (TEF)

BB6630 4G (TEF)

RPM 777 579/*(A-1)

RPM 777 579/*(B-2)

RPM 777 579/*(C-3)

2.5G Optic CPRI (15-Data 2)

2.5G Optic CPRI (11-Data 2)

2.5G Optic CPRI (6-Data 2)

RPM 113 6127/1000

1 ANT

2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

86 87 88

80 83 81 84 82 85

L2300

10G Optic CPRI (D-Data 1)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (F-Data 1)

**20W Network Rail (Indoor or Outdoor)**

Sector 3 | Sector 2 | Sector 1

Items 86-88 - RPM 777 274/00650 (Data 2 – Data 1)

Items 80-85 - RPM 777 700/00130 (RXA I/O – RXB I/O)

# Signal connections with N21 & N7 (MoRAN)

L2600

10G Optic CPRI (16-Data 1)
10G Optic CPRI (12-Data 1)
10G Optic CPRI (7-Data 1)
2.5G Optic CPRI (6-Data 1)
2.5G Optic CPRI (11-Data 1)
2.5G Optic CPRI (15-Data 1)

R503 (VF)

BB6630 4G/5G (VF)

RPM 777 579/* (A-1)
RPM 777 579/* (B-2)
RPM 777 579/* (C-3)

LN2100

2.5G Optic CPRI (14-Data 2)
2.5G Optic CPRI (10-Data 2)
2.5G Optic CPRI (5-Data 2)

2.5G Optic CPRI (G-Data 2)
2.5G Optic CPRI (H-Data 2)
2.5G Optic CPRI (J-Data 2)

L800

N700

L1800

86 87 88
80 81 82
83 84 85

U2100

RPM 777 211/* (C-Data 1)
RPM 777 211/* (B-Data 1)
RPM 777 211/* (A-Data 1)

2.5G Optic CPRI (14-Data 1)
2.5G Optic CPRI (10-Data 1)
2.5G Optic CPRI (5-Data 1)

2.5G Optic CPRI (G-Data 1)
2.5G Optic CPRI (H-Data 1)
2.5G Optic CPRI (G-Data 1)

RPM 777 211/*(A-Data 1)
RPM 777 211/*(B-Data 1)
RPM 777 211/*(C-Data 1)

R503 (TEF)

BB6630 FDD+TDD (TEF)

BB6630 4G/5G (TEF)

2.5G Optic CPRI (15-Data 2)
2.5G Optic CPRI (11-Data 2)
2.5G Optic CPRI (6-Data 2)

RPM 777 579/*(A-1)
RPM 777 579/*(B-2)
RPM 777 579/*(C-3)

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

L2300

10G Optic CPRI (D-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (F-Data 1)

**20W Network Rail (Indoor or Outdoor)**

Sector 3 | Sector 2 | Sector 1

Items 86-88 - RPM 777 274/00650 (Data 2 – Data 1)
Items 80-85 - RPM 777 700/00130 (RXA I/O – RXB I/O)

# Signal connections For Baseline

L2600

L2100

L1800(if requested)

L8/L9

L2300

BB6630 (VF)

BB6630 4G (TEF)

10G Optic CPRI (F-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (D-Data 1)
2.5G Optic CPRI (M-Data 1)
2.5G Optic CPRI (K-Data 1)
2.5G Optic CPRI (H-Data 1)
2.5G Optic CPRI (A-Data 2)
2.5G Optic CPRI (B-Data 2)
2.5G Optic CPRI (C-Data 2)
2.5G Optic CPRI (Q-Data 2)
2.5G Optic CPRI (P-Data 2)
2.5G Optic CPRI (N-Data 2)
2.5G Optic CPRI (N-Data 1)
2.5G Optic CPRI (P-Data 1)
2.5G Optic CPRI (Q-Data 1)
2.5G Optic CPRI (C-Data 1)
2.5G Optic CPRI (B-Data 1)
2.5G Optic CPRI (A-Data 1)
2.5G Optic CPRI (G-Data 2)
2.5G Optic CPRI (H-Data 2)
2.5G Optic CPRI (J-Data 2)
2.5G Optic CPRI (K-Data 2)
2.5G Optic CPRI (L-Data 2)
2.5G Optic CPRI (M-Data 2)
10G Optic CPRI (D-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (F-Data 1)

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

**20W/12W Small (Indoor or Outdoor)**

Sector 3 | Sector 2 | Sector 1

# Signal connections with N21
# 6x2217 B1

L2600

10G Optic CPRI (F-Data 1)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (D-Data 1)

BB6630 4G/5G (VF)

2.5G Optic CPRI (J-Data 2)

2.5G Optic CPRI (H-Data 2)

2.5G Optic CPRI (G-Data 2)

L8/L9

2.5G Optic CPRI (A-Data 1)

2.5G Optic CPRI (B-Data 1)

2.5G Optic CPRI (C-Data 1)

LN2100

L1800 (if requested)

2.5G Optic CPRI (B-Data 1)

2.5G Optic CPRI (A-Data 1)

2.5G Optic CPRI (C-Data 1)

2.5G Optic CPRI (G-Data 1)

2.5G Optic CPRI (H-Data 1)

2.5G Optic CPRI (J-Data 1)

BB6630 FDD+TDD (TEF)

BB6630 4G/5G (TEF)

RPM 113 6127/1000

1 ANT

2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

2.5G Optic CPRI (A-Data 2)

2.5G Optic CPRI (B-Data 2)

2.5G Optic CPRI (C-Data 2)

2.5G Optic CPRI (D-Data 2)

2.5G Optic CPRI (E-Data 2)

2.5G Optic CPRI (F-Data 2)

**20W/12W Small (Indoor or Outdoor)**

L2300

10G Optic CPRI (D-Data 1)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (F-Data 1)

Sector 3

Sector 2

Sector 1

# Signal connections with N21 & N7 (Tef only)
# 3x4415 B1

L2600

10G Optic CPRI (F-Data 1)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (D-Data 1)

BB6630 4G/5G (VF)

2.5G Optic CPRI (J-Data 2)

2.5G Optic CPRI (H-Data 2)

2.5G Optic CPRI (G-Data 2)

L8/L9

10G Optic CPRI (A-Data 1)

10G Optic CPRI (B-Data 1)

10G Optic CPRI (C-Data 1)

LN2100

L1800 (if requested)

N700

2.5G Optic CPRI (B-Data 1)

2.5G Optic CPRI (E-Data 1)

2.5G Optic CPRI (F-Data 1)

2.5G Optic CPRI (A-Data 1)

2.5G Optic CPRI (C-Data 1)

2.5G Optic CPRI (D-Data 1)

2.5G Optic CPRI (G-Data 1)

2.5G Optic CPRI (H-Data 1)

2.5G Optic CPRI (J-Data 1)

BB6630 FDD+TDD (TEF)

BB6630 4G/5G (TEF)

10G Optic CPRI (A-Data 2)

10G Optic CPRI (B-Data 2)

10G Optic CPRI (C-Data 2)

RPM 113 6127/1000

1 ANT

2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

**20W/12W Small (Indoor or Outdoor)**

L2300

10G Optic CPRI (D-Data 1)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (F-Data 1)

Sector 3

Sector 2

Sector 1

# Signal connections with N21 & N7 (MoRAN)
# 3x4415 B1

L2600

10G Optic CPRI (5-Data 1)
10G Optic CPRI (6-Data 1)
10G Optic CPRI (7-Data 1)

R503 (VF)

BB6630 4G/5G (VF)

RPM 777 579/* (A-1)
RPM 777 579/* (B-2)
RPM 777 579/* (C-3)
2.5G Optic CPRI (12-Data 2)
2.5G Optic CPRI (11-Data 2)
2.5G Optic CPRI (10-Data 2)

L8/L9

10G Optic CPRI (16-Data 1)
10G Optic CPRI (15-Data 1)
10G Optic CPRI (14-Data 1)

2.5G Optic CPRI (D-Data 2)
2.5G Optic CPRI (F-Data 2)
2.5G Optic CPRI (E-Data 2)

LN2100

N700

L1800 (if requested)

2.5G Optic CPRI (E-Data 1)
2.5G Optic CPRI (F-Data 1)
2.5G Optic CPRI (B-Data 1)
2.5G Optic CPRI (A-Data 1)
2.5G Optic CPRI (C-Data 1)
2.5G Optic CPRI (D-Data 1)
2.5G Optic CPRI (G-Data 1)
2.5G Optic CPRI (H-Data 1)
2.5G Optic CPRI (J-Data 1)

BB6630 FDD+TDD (TEF)

BB6630 4G/5G (TEF)

10G Optic CPRI (A-Data 2)
10G Optic CPRI (B-Data 2)
10G Optic CPRI (C-Data 2)

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

**20W/12W Small (Indoor or Outdoor)**

L2300

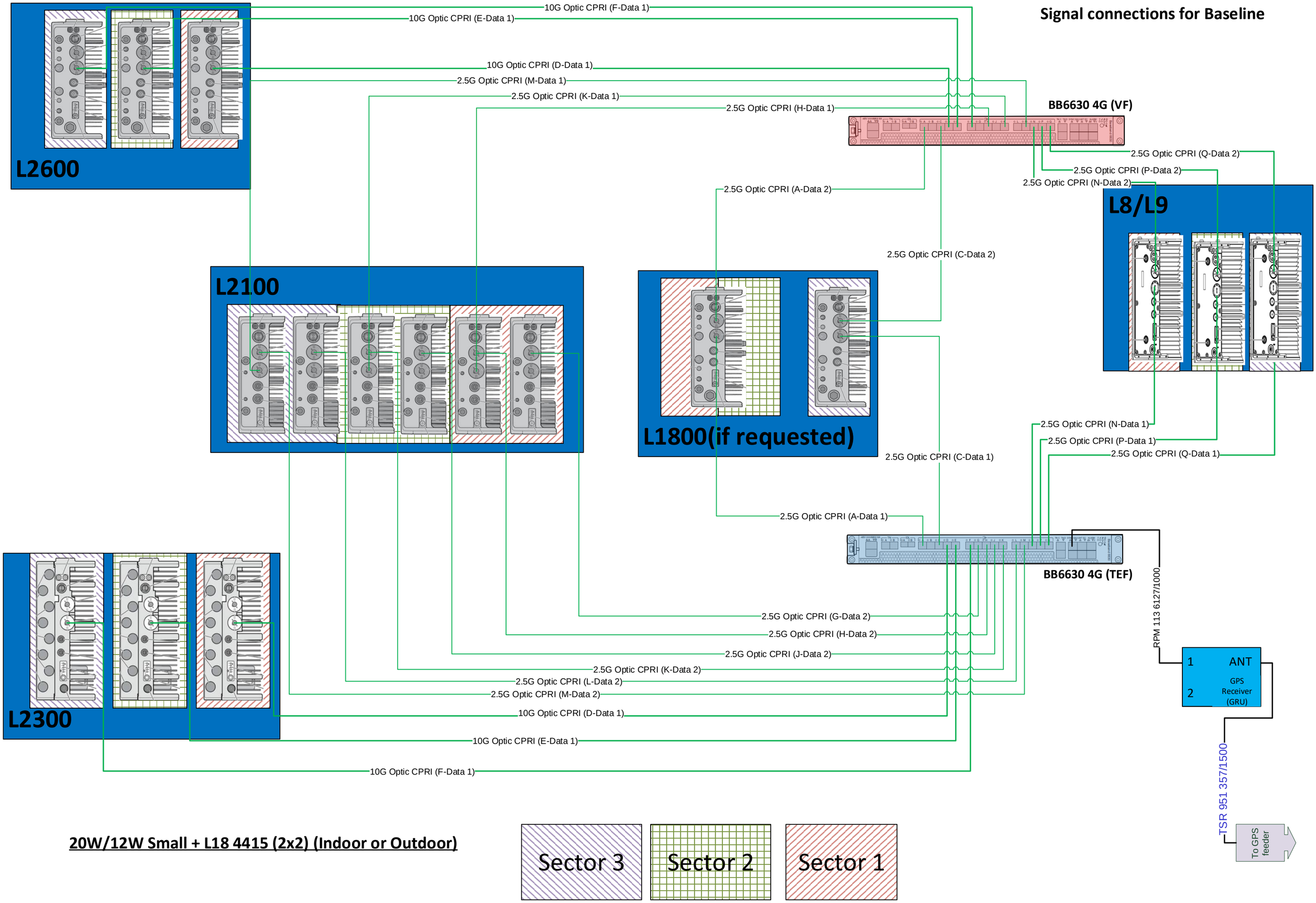
10G Optic CPRI (D-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (F-Data 1)

TSR 951 357/1500

To GPS feeder

Sector 3 | Sector 2 | Sector 1

# Signal connections for Baseline




**20W/12W Small + L18 4415 (2x2) (Indoor or Outdoor)**

Sector 3 | Sector 2 | Sector 1

# Signal connections with N21
# 6x2217 B1

L2600

10G Optic CPRI (F-Data 1)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (D-Data 1)

BB6630 4G/5G (VF)

2.5G Optic CPRI (J-Data 2)

2.5G Optic CPRI (H-Data 2)

2.5G Optic CPRI (G-Data 2)

2.5G Optic CPRI (A-Data 1)

2.5G Optic CPRI (B-Data 1)

2.5G Optic CPRI (C-Data 1)

L8/L9

LN2100

L1800 (if requested)

2.5G Optic CPRI (A-Data 1)

2.5G Optic CPRI (C-Data 1)

2.5G Optic CPRI (G-Data 1)

2.5G Optic CPRI (H-Data 1)

2.5G Optic CPRI (J-Data 1)

BB6630 FDD+TDD (TEF)

BB6630 4G/5G (TEF)

RPM 113 6127/1000

2.5G Optic CPRI (A-Data 2)

2.5G Optic CPRI (B-Data 2)

2.5G Optic CPRI (C-Data 2)

2.5G Optic CPRI (D-Data 2)

2.5G Optic CPRI (E-Data 2)

2.5G Optic CPRI (F-Data 2)

1 ANT

2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

L2300

10G Optic CPRI (D-Data 1)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (F-Data 1)

**20W/12W Small + L18 4415 (2x2) (Indoor or Outdoor)**

Sector 3

Sector 2

Sector 1

# Signal connections with N21 & N7 (Tef only)
# 3x4415 B1

L2600

10G Optic CPRI (F-Data 1)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (D-Data 1)

BB6630 4G/5G (VF)

2.5G Optic CPRI (J-Data 2)

2.5G Optic CPRI (H-Data 2)

2.5G Optic CPRI (G-Data 2)

L8/L9

10G Optic CPRI (A-Data 1)

10G Optic CPRI (B-Data 1)

10G Optic CPRI (C-Data 1)

LN2100

L1800 (if requested)

N700

2.5G Optic CPRI (E-Data 1)

2.5G Optic CPRI (F-Data 1)

2.5G Optic CPRI (A-Data 1)

2.5G Optic CPRI (C-Data 1)

2.5G Optic CPRI (G-Data 1)

2.5G Optic CPRI (D-Data 1)

2.5G Optic CPRI (H-Data 1)

2.5G Optic CPRI (J-Data 1)

BB6630 FDD+TDD (TEF)

BB6630 4G/5G (TEF)

10G Optic CPRI (A-Data 2)

10G Optic CPRI (B-Data 2)

10G Optic CPRI (C-Data 2)

RPM 113 6127/1000

1 ANT

2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

L2300

10G Optic CPRI (D-Data 1)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (F-Data 1)

**20W/12W Small + L18 4415 (2x2) (Indoor or Outdoor)**

Sector 3

Sector 2

Sector 1

# Signal connections with N21 & N7 (MoRAN)
# 3x4415 B1

L2600

10G Optic CPRI (5-Data 1)
10G Optic CPRI (6-Data 1)
10G Optic CPRI (7-Data 1)

R503 (VF)

BB6630 4G/5G (VF)

RPM 777 579/* (A-1)
RPM 777 579/* (B-2)
RPM 777 579/* (C-3)

2.5G Optic CPRI (12-Data 2)
2.5G Optic CPRI (11-Data 2)
2.5G Optic CPRI (10-Data 2)
2.5G Optic CPRI (D-Data 2)
2.5G Optic CPRI (F-Data 2)
2.5G Optic CPRI (E-Data 2)

L8/L9

10G Optic CPRI (16-Data 1)
10G Optic CPRI (15-Data 1)
10G Optic CPRI (14-Data 1)

LN2100

L1800 (if requested)

N700

2.5G Optic CPRI (E-Data 1)
2.5G Optic CPRI (F-Data 1)
2.5G Optic CPRI (G-Data 1)
2.5G Optic CPRI (H-Data 1)
2.5G Optic CPRI (J-Data 1)

2.5G Optic CPRI (A-Data 1)
2.5G Optic CPRI (C-Data 1)
2.5G Optic CPRI (D-Data 1)

BB6630 FDD+TDD (TEF)

BB6630 4G/5G (TEF)

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

10G Optic CPRI (A-Data 2)
10G Optic CPRI (B-Data 2)
10G Optic CPRI (C-Data 2)

L2300

10G Optic CPRI (D-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (F-Data 1)

**20W/12W Small + L18 4415 (2x2) (Indoor or Outdoor)**

Sector 3 | Sector 2 | Sector 1

# Signal connections for Apollo/Elara Baseline

GU900 (cab1)

RPM 777 211/*(C-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(A-Data 2)
RPM 777 211/*(A-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(C-Data 2)
83
84
85
80
81
82

L2600

10G Optic CPRI (F-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (D-Data 1)

BB6630 4G (VF)

2.5G Optic CPRI (J-Data 2)
2.5G Optic CPRI (H-Data 2)
2.5G Optic CPRI (G-Data 2)

L8/L9

10G Optic CPRI (A-Data 2)
10G Optic CPRI (B-Data 2)
10G Optic CPRI (C-Data 2)

L2100

RPM 777 211/*(A-Data 1)
RPM 777 211/*(B-Data 1)
RPM 777 211/*(C-Data 1)
RPM 777 211/*(D-Data 1)
RPM 777 211/*(E-Data 1)
RPM 777 211/*(F-Data 1)

BB6630 3G

10G Optic CPRI (C-Data 1)
10G Optic CPRI (B-Data 1)
10G Optic CPRI (A-Data 1)
2.5G Optic CPRI (G-Data 1)
2.5G Optic CPRI (H-Data 1)
2.5G Optic CPRI (J-Data 1)

BB6630 4G (TEF)

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

10G Optic CPRI (F-Data 1)
10G Optic CPRI (D-Data 1)

L2300

**Outdoor 20W/12W Small SF (York)**
**Outdoor 20W/12W Small SF (Lancaster to York)**

Sector 3 | Sector 2 | Sector 1

# Signal connections for Apollo/Elara N21 (Tef)

GU900 (cab1)

L2600

BB6630 4G/5G (VF)

L8/L9

LN2100

BB6630 3G

BB6630 FDD+TDD (TEF)

BB6630 4G/5G (TEF)

L2300

RPM 777 211/*(A-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(C-Data 2)
RPM 777 211/*(A-Data 1)
RPM 777 211/*(B-Data 1)
RPM 777 211/*(C-Data 1)
RPM 777 211/*(D-Data 1)
RPM 777 211/*(E-Data 1)
RPM 777 211/*(F-Data 1)

10G Optic CPRI (F-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (D-Data 1)
10G Optic CPRI (A-Data 2)
10G Optic CPRI (B-Data 2)
10G Optic CPRI (C-Data 2)
10G Optic CPRI (C-Data 1)
10G Optic CPRI (B-Data 1)
10G Optic CPRI (A-Data 1)
10G Optic CPRI (D-Data 1)
10G Optic CPRI (E-Data 1)

2.5G Optic CPRI (J-Data 2)
2.5G Optic CPRI (H-Data 2)
2.5G Optic CPRI (G-Data 2)
2.5G Optic CPRI (G-Data 1)
2.5G Optic CPRI (H-Data 1)
2.5G Optic CPRI (J-Data 1)

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

**Outdoor 20W/12W Small SF (York)**
**Outdoor 20W/12W Small SF (Lancaster to York)**

Sector 3
Sector 2
Sector 1

# Signal connections for Orion Pole Baseline

GU900 (cab1)

L2600

L2100

L2300

L8/L9

BB6630 4G (VF)

BB6630 3G

BB6630 4G (TEF)

RPM 777 211/*(C-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(A-Data 2)
RPM 777 211/*(A-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(C-Data 2)
RPM 777 211/*(A-Data 1)
RPM 777 211/*(B-Data 1)
RPM 777 211/*(C-Data 1)
RPM 777 211/*(D-Data 1)
RPM 777 211/*(E-Data 1)
RPM 777 211/*(F-Data 1)

83 84 85
80 81 82

10G Optic CPRI (F-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (D-Data 1)
10G Optic CPRI (A-Data 2)
10G Optic CPRI (B-Data 2)
10G Optic CPRI (C-Data 2)
10G Optic CPRI (C-Data 1)
10G Optic CPRI (B-Data 1)
10G Optic CPRI (A-Data 1)
10G Optic CPRI (F-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (D-Data 1)

2.5G Optic CPRI (J-Data 2)
2.5G Optic CPRI (H-Data 2)
2.5G Optic CPRI (G-Data 2)
2.5G Optic CPRI (G-Data 1)
2.5G Optic CPRI (H-Data 1)
2.5G Optic CPRI (J-Data 1)

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

**Outdoor 20W/12W Small SF (York)**
**Outdoor 20W/12W Small SF (Lancaster to York)**

Sector 3 | Sector 2 | Sector 1

# Signal connections for Orion Pole N21 (Tef)

GU900 (cab1)

L2600

LN2100

L8/L9

L2300

BB6630 4G/5G (VF)

BB6630 3G

BB6630 FDD+TDD (TEF)

BB6630 4G/5G (TEF)

RPM 777 211/*(A-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(C-Data 2)
RPM 777 211/*(A-Data 1)
RPM 777 211/*(B-Data 1)
RPM 777 211/*(C-Data 1)
RPM 777 211/*(D-Data 1)
RPM 777 211/*(E-Data 1)
RPM 777 211/*(F-Data 1)

83
84
85
80
81
82

10G Optic CPRI (F-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (D-Data 1)
10G Optic CPRI (A-Data 2)
10G Optic CPRI (B-Data 2)
10G Optic CPRI (C-Data 2)
10G Optic CPRI (C-Data 1)
10G Optic CPRI (B-Data 1)
10G Optic CPRI (A-Data 1)
10G Optic CPRI (D-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (F-Data 1)

2.5G Optic CPRI (J-Data 2)
2.5G Optic CPRI (H-Data 2)
2.5G Optic CPRI (G-Data 2)
2.5G Optic CPRI (G-Data 1)
2.5G Optic CPRI (H-Data 1)
2.5G Optic CPRI (J-Data 1)

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

**Outdoor 20W/12W Small SF (York)**
**Outdoor 20W/12W Small SF (Lancaster to York)**

Sector 3
Sector 2
Sector 1

# Signal connections for Apollo/Elara Baseline

GU900 (cab1)

RPM 777 211/*(C-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(A-Data 2)
RPM 777 211/*(A-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(C-Data 2)
83
84
85
80
81
82
RPM 777 211/*(A-Data 1)
RPM 777 211/*(B-Data 1)
RPM 777 211/*(C-Data 1)
RPM 777 211/*(D-Data 1)
RPM 777 211/*(E-Data 1)
RPM 777 211/*(F-Data 1)
RPM 777 211/*(F-Data 1)

BB6630 3G

L2600

10G Optic CPRI (F-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (D-Data 1)

BB6630 4G (VF)

2.5G Optic CPRI (J-Data 2)
2.5G Optic CPRI (H-Data 2)
2.5G Optic CPRI (G-Data 2)
10G Optic CPRI (A-Data 2)
10G Optic CPRI (B-Data 2)
10G Optic CPRI (C-Data 2)

L18/L21

L8/L9

10 G Optic CPRI (C-Data 1)
2.5G Optic CPRI (G-Data 1)
10 G Optic CPRI (B-Data 1)
2.5G Optic CPRI (H-Data 1)
10G Optic CPRI (A-Data 1)
2.5G Optic CPRI (J-Data 1)

BB6630 4G (TEF)

10G Optic CPRI (F-Data 1)
10G Optic CPRI (D-Data 1)

L2300

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

**Outdoor 20W/12W L18 Small SF (York)**
**Outdoor 20W/12W L18 Small SF (Lancaster to York)**

Sector 3
Sector 2
Sector 1

# Signal connections for Apollo/Elara N21 (Tef)

GU900 (cab1)

RPM 777 211/*(C-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(A-Data 2)
RPM 777 211/*(A-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(C-Data 2)
83
84
85
80
81
82
RPM 777 211/*(A-Data 1)
RPM 777 211/*(B-Data 1)
RPM 777 211/*(C-Data 1)
RPM 777 211/*(D-Data 1)
RPM 777 211/*(E-Data 1)
RPM 777 211/*(F-Data 1)

BB6630 3G

L2600

10G Optic CPRI (F-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (D-Data 1)

BB6630 4G/5G (VF)

2.5G Optic CPRI (J-Data 2)
2.5G Optic CPRI (H-Data 2)
2.5G Optic CPRI (G-Data 2)
10G Optic CPRI (A-Data 2)
10G Optic CPRI (B-Data 2)
10G Optic CPRI (C-Data 2)

L18/LN21

L8/L9

10 G Optic CPRI (C-Data 1)
2.5G Optic CPRI (G-Data 1)
10 G Optic CPRI (B-Data 1)
2.5G Optic CPRI (H-Data 1)
10G Optic CPRI (A-Data 1)
2.5G Optic CPRI (J-Data 1)

BB6630 FDD+TDD (TEF)

BB6630 4G/5G (TEF)

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

L2300

10G Optic CPRI (D-Data 1)
10G Optic CPRI (E-Data 1)

**Outdoor 20W/12W L18 Small SF (York)**
**Outdoor 20W/12W L18 Small SF (Lancaster to York)**

Sector 3
Sector 2
Sector 1

# Signal connections for Orion Pole Baseline

GU900 (cab1)

RPM 777 211/*(C-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(A-Data 2)
RPM 777 211/*(A-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(C-Data 2)
83
84
85
80
81
82
RPM 777 211/*(A-Data 1)
RPM 777 211/*(B-Data 1)
RPM 777 211/*(C-Data 1)
RPM 777 211/*(D-Data 1)
RPM 777 211/*(E-Data 1)
RPM 777 211/*(F-Data 1)
RPM 777 211/*(F-Data 1)

BB6630 3G

L2600

10G Optic CPRI (F-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (D-Data 1)

BB6630 4G (VF)

2.5G Optic CPRI (J-Data 2)
2.5G Optic CPRI (H-Data 2)
2.5G Optic CPRI (G-Data 2)
10G Optic CPRI (A-Data 2)
10G Optic CPRI (B-Data 2)
10G Optic CPRI (C-Data 2)

L18/L21

L8/L9

10 G Optic CPRI (C-Data 1)
10 G Optic CPRI (B-Data 1)
10G Optic CPRI (A-Data 1)
2.5G Optic CPRI (G-Data 1)
2.5G Optic CPRI (H-Data 1)
2.5G Optic CPRI (J-Data 1)

BB6630 4G (TEF)

10G Optic CPRI (F-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (D-Data 1)

L2300

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

**Outdoor 20W/12W L18 Small SF (York)**
**Outdoor 20W/12W L18 Small SF (Lancaster to York)**

Sector 3
Sector 2
Sector 1

# Signal connections for Orion Pole N21 (Tef)

GU900 (cab1)

RPM 777 211/*(C-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(A-Data 2)
RPM 777 211/*(A-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(C-Data 2)
83
34
85
30
31
82
RPM 777 211/*(A-Data 1)
RPM 777 211/*(B-Data 1)
RPM 777 211/*(C-Data 1)
RPM 777 211/*(D-Data 1)
RPM 777 211/*(E-Data 1)
RPM 777 211/*(F-Data 1)

BB6630 3G

L2600

10G Optic CPRI (F-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (D-Data 1)

BB6630 4G/5G (VF)

2.5G Optic CPRI (J-Data 2)
2.5G Optic CPRI (H-Data 2)
2.5G Optic CPRI (G-Data 2)
10G Optic CPRI (A-Data 2)
10G Optic CPRI (B-Data 2)
10G Optic CPRI (C-Data 2)

L18/LN21

L8/L9

10 G Optic CPRI (C-Data 1)
10 G Optic CPRI (B-Data 1)
10G Optic CPRI (A-Data 1)
2.5G Optic CPRI (G-Data 1)
2.5G Optic CPRI (H-Data 1)
2.5G Optic CPRI (J-Data 1)

BB6630 FDD+TDD (TEF)

BB6630 4G/5G (TEF)

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

L2300

10G Optic CPRI (D-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (F-Data 1)

**Outdoor 20W/12W L18 Small SF (York)**
**Outdoor 20W/12W L18 Small SF (Lancaster to York)**

Sector 3 | Sector 2 | Sector 1

# Signal connections For Baseline

GU900 (cab1)

RPM 777 211/*(C-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(A-Data 2)
RPM 777 211/*(A-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(C-Data 2)
RPM 777 211/*(B-Data 1)
RPM 777 211/*(A-Data 1)
RPM 777 211/*(E-Data 1)
RPM 777 211/*(D-Data 1)
RPM 777 211/*(C-Data 1)
RPM 777 211/*(F-Data 1)

L2600

10G Optic CPRI (F-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (D-Data 1)

BB6630 4G (VF)

10G Optic CPRI (H-Data 2)
10G Optic CPRI (K-Data 2)
10G Optic CPRI (M-Data 2)
2.5G Optic CPRI (Q-Data 2)
2.5G Optic CPRI (P-Data 2)
2.5G Optic CPRI (N-Data 2)

L800

L2100

10G Optic CPRI (M-Data 1)
10G Optic CPRI (K-Data 1)
10G Optic CPRI (H-Data 1)
2.5G Optic CPRI (N-Data 1)
2.5G Optic CPRI (P-Data 1)
2.5G Optic CPRI (Q-Data 1)

BB6630 4G (TEF)

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

**(2xDUW used for 12W 2-sector sites with IDL-IDL & F-F connections)**

10G Optic CPRI (F-Data 1)
10G Optic CPRI (D-Data 1)

L2300

**Outdoor 20W/12W Small SF (Lancaster)**
**Outdoor 20W/12W Small SF Single 6102**
**Outdoor 20W Small SF ULNR**

Sector 3 | Sector 2 | Sector 1

# Signals connections with N21 (Tef)

GU900 (cab1)

RPM 777 211/*(C-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(A-Data 2)
RPM 777 211/*(A-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(C-Data 2)
33
34
35
30
31
32

L2600

10G Optic CPRI (F-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (D-Data 1)

BB6630 4G/5G (VF)

2.5G Optic CPRI (J-Data 2)
2.5G Optic CPRI (H-Data 2)
2.5G Optic CPRI (G-Data 2)

L800

10G Optic CPRI (A-Data 2)
10G Optic CPRI (B-Data 2)
10G Optic CPRI (C-Data 2)

LN2100

RPM 777 211/*(B-Data 1)
RPM 777 211/*(E-Data 1)
RPM 777 211/*(A-Data 1)
RPM 777 211/*(D-Data 1)
RPM 777 211/*(C-Data 1)
RPM 777 211/*(F-Data 1)

10G Optic CPRI (C-Data 1)
10G Optic CPRI (B-Data 1)
10G Optic CPRI (A-Data 1)

2.5G Optic CPRI (G-Data 1)
2.5G Optic CPRI (H-Data 1)
2.5G Optic CPRI (J-Data 1)

DUW 3G
(2xDUW used for 12W 2-sector sites with IDL-IDL & F-F connections)

BB6630 FDD+TDD (TEF)

BB6630 4G/5G (TEF)

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

L2300

10G Optic CPRI (D-Data 1)
10G Optic CPRI (E-Data 1)

**Outdoor 20W/12W Small SF (Lancaster)**
**Outdoor 20W/12W Small SF Single 6102**
**Outdoor 20W Small SF ULNR**

Sector 3 | Sector 2 | Sector 1

# Signal connections For Baseline

GU900 (cab1)

L2600

L1800

L2100

L800

L2300

BB6630 4G (VF)

BB6630 4G (TEF)

RPM 777 211/*(C-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(A-Data 2)
RPM 777 211/*(A-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(C-Data 2)
RPM 777 211/*(B-Data 1)
RPM 777 211/*(A-Data 1)
RPM 777 211/*(E-Data 1)
RPM 777 211/*(D-Data 1)
RPM 777 211/*(C-Data 1)
RPM 777 211/*(F-Data 1)

33
34
35
80
81
82

10G Optic CPRI (F-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (D-Data 1)
2.5G Optic CPRI (Q-Data 2)
2.5G Optic CPRI (P-Data 2)
2.5G Optic CPRI (N-Data 2)
2.5G Optic CPRI (A-Data 2)
2.5G Optic CPRI (B-Data 2)
2.5G Optic CPRI (C-Data 2)
10G Optic CPRI (H-Data 2)
10G Optic CPRI (K-Data 2)
10G Optic CPRI (M-Data 2)
10G Optic CPRI (M-Data 1)
2.5G Optic CPRI (N-Data 1)
10G Optic CPRI (K-Data 1)
2.5G Optic CPRI (P-Data 1)
10G Optic CPRI (H-Data 1)
2.5G Optic CPRI (Q-Data 1)
2.5G Optic CPRI (A-Data 1)
2.5G Optic CPRI (B-Data 1)
2.5G Optic CPRI (C-Data 1)
10G Optic CPRI (F-Data 1)
10G Optic CPRI (D-Data 1)

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

(2xDUW used for 12W 2-sector sites with IDL-IDL & F-F connections)

**Outdoor 20W/12W L18 Small SF (Lancaster)**
**Outdoor 20W/12W L18 Small SF Single 6102**

Sector 3 | Sector 2 | Sector 1

# Signal connections with N21 (Tef)

GU900 (cab1)

RPM 777 211/*(C-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(A-Data 2)
RPM 777 211/*(A-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/*(C-Data 2)
33
34
35
30
31
32

L2600

10G Optic CPRI (F-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (D-Data 1)

BB6630 4G/5G (VF)

2.5G Optic CPRI (J-Data 2)
2.5G Optic CPRI (H-Data 2)
2.5G Optic CPRI (G-Data 2)
10 G Optic CPRI (A-Data 2)
10 G Optic CPRI (C-Data 2)
10 G Optic CPRI (B-Data 2)

L800

L1800

RPM 777 211/*(B-Data 1)
RPM 777 211/*(E-Data 1)
RPM 777 211/*(A-Data 1)
RPM 777 211/*(D-Data 1)
RPM 777 211/*(C-Data 1)
RPM 777 211/*(F-Data 1)

LN2100

10 G Optic CPRI (A-Data 1)
10 G Optic CPRI (C-Data 1)
2.5G Optic CPRI (G-Data 1)
10 G Optic CPRI (B-Data 1)
2.5G Optic CPRI (H-Data 1)
2.5G Optic CPRI (J-Data 1)

2.5G Optic CPRI (B-Data 1)
2.5G Optic CPRI (A-Data 1)
2.5G Optic CPRI (C-Data 1)

DUW 3G
(2xDUW used for 12W 2-sector sites with IDL-IDL & F-F connections)

BB6630 FDD+TDD (TEF)

BB6630 4G/5G (TEF)

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

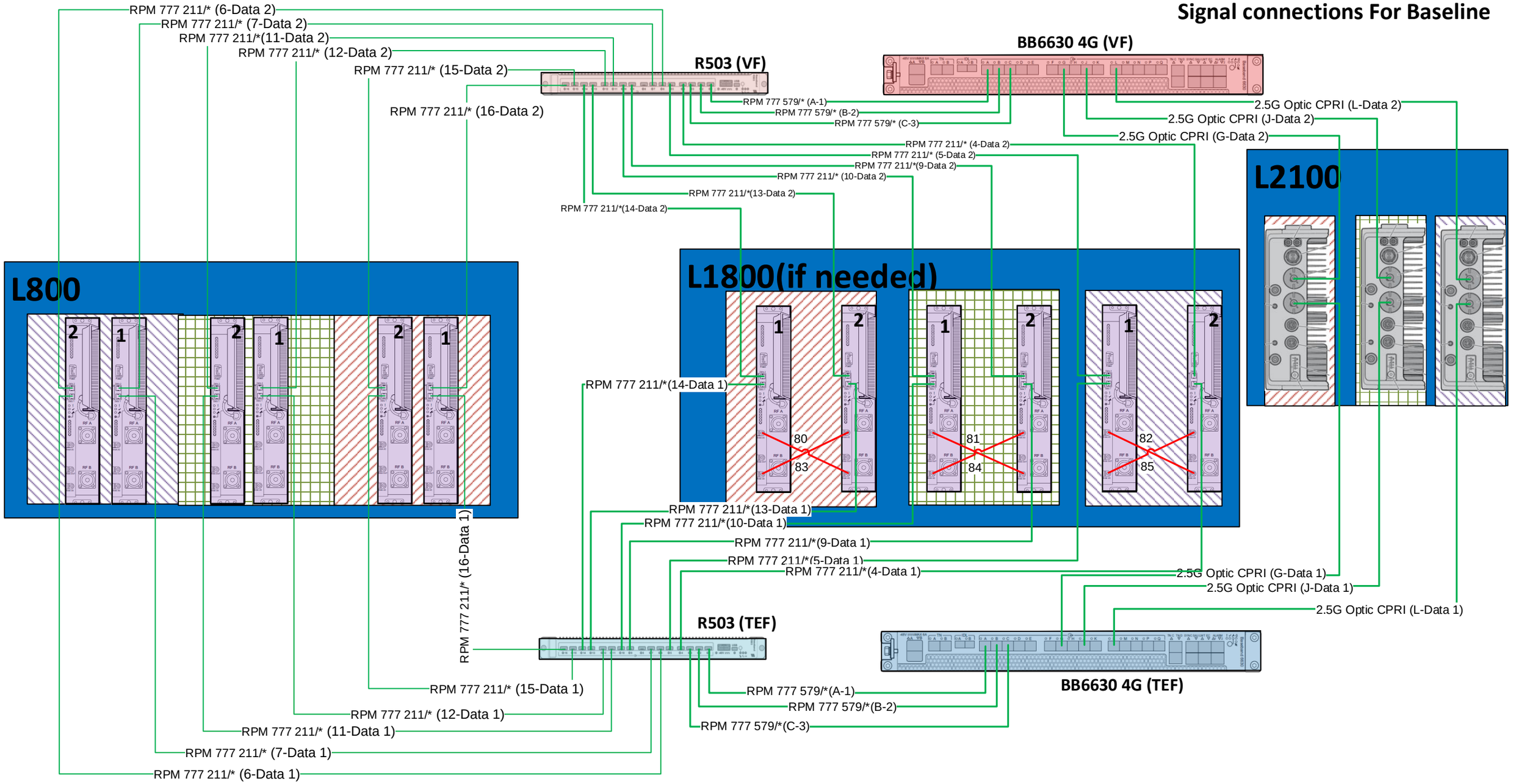
L2300

10G Optic CPRI (D-Data 1)
10G Optic CPRI (E-Data 1)

**Outdoor 20W/12W L18 Small SF (Lancaster)**
**Outdoor 20W/12W L18 Small SF Single 6102**

Sector 3
Sector 2
Sector 1

# Signal connections For Baseline




Items 80-85 - RPM 777 700/00130 (RXA I/O – RXB I/O)

| Sector 3 | Sector 2 | Sector 1 |
|---|---|---|

**20W Stealth (Indoor or Outdoor)**

# Signals connections with N21 (Tef)

RPM 777 211/* (6-Data 2)
RPM 777 211/* (7-Data 2)
RPM 777 211/*(11-Data 2)
RPM 777 211/* (12-Data 2)
RPM 777 211/* (15-Data 2)
RPM 777 211/* (16-Data 2)

**R503 (VF)**

**BB6630 4G/5G (VF)**

RPM 777 579/* (A-1)
RPM 777 579/* (B-2)
RPM 777 579/* (C-3)

2.5G Optic CPRI (J-Data 2)
2.5G Optic CPRI (H-Data 2)
2.5G Optic CPRI (G-Data 2)

**LN2100**

**L1800(if needed)**

RPM 777 211/*(14-Data 1)

86 87 88
80 81 82
83 84 85

**L800**

RPM 777 211/* (16-Data 1)

RPM 777 211/*(10-Data 1)
RPM 777 211/*(5-Data 1)

2.5G Optic CPRI (G-Data 1)
2.5G Optic CPRI (H-Data 1)
2.5G Optic CPRI (J-Data 1)

**R503 (TEF)**

RPM 777 211/* (15-Data 1)
RPM 777 211/* (12-Data 1)
RPM 777 211/* (11-Data 1)
RPM 777 211/* (7-Data 1)
RPM 777 211/* (6-Data 1)

RPM 777 579/*(A-1)
RPM 777 579/*(B-2)
RPM 777 579/*(C-3)

**BB6630 4G/5G (TEF)**

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

## 20W Stealth (Indoor or Outdoor)

Sector 3 | Sector 2 | Sector 1

Items 86-88 - RPM 777 274/00650 (Data 2 – Data 1)

Items 80-85 - RPM 777 700/00130 (RXA I/O – RXB I/O)

# Signal connections For Baseline

RPM 777 211/* (Q-Data 2)
RPM 777 211/* (C-Data 2)
RPM 777 211/*(P-Data 2)
RPM 777 211/* (B-Data 2)
RPM 777 211/* (N-Data 2)
RPM 777 211/* (A-Data 2)

**BB6630 4G (VF)**

2.5G Optic CPRI (L-Data 2)
2.5G Optic CPRI (J-Data 2)
2.5G Optic CPRI (G-Data 2)

**L2100**

**L800**

RPM 777 211/* (A-Data 1)
RPM 777 211/* (B-Data 1)
RPM 777 211/* (C-Data 1)

2.5G Optic CPRI (G-Data 1)
2.5G Optic CPRI (J-Data 1)
2.5G Optic CPRI (L-Data 1)

**BB6630 4G (TEF)**

RPM 777 211/* (N-Data 1)
RPM 777 211/* (P-Data 1)
RPM 777 211/* (Q-Data 1)

Items 80-85 - RPM 777 700/00130 (RXA I/O – RXB I/O)

Sector 3 | Sector 2 | Sector 1

**20W Stealth No-L18 (Indoor or Outdoor)**

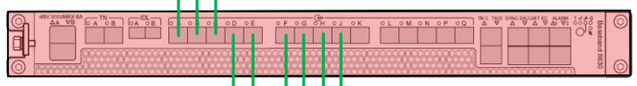
# Signal connections with N21 (Tef)

RPM 777 211/* (C-Data 2)

RPM 777 211/* (B-Data 2)

RPM 777 211/* (A-Data 2)

**BB6630 4G/5G (VF)**



2.5G Optic CPRI (J-Data 2)

2.5G Optic CPRI (H-Data 2)

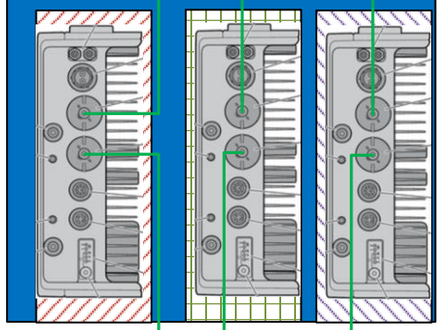
2.5G Optic CPRI (G-Data 2)

RPM 777 211/* (D-Data 2)

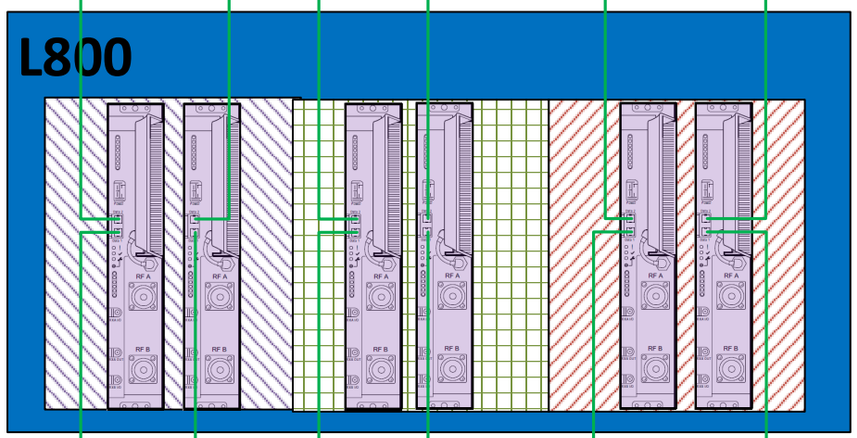
RPM 777 211/*(E-Data 2)

RPM 777 211/* (F-Data 2)

**LN2100**



**L800**



RPM 777 211/* (A-Data 1)

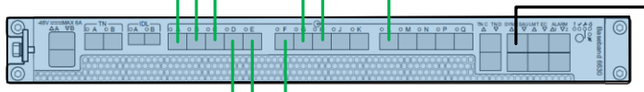
RPM 777 211/* (B-Data 1)

RPM 777 211/* (C-Data 1)

2.5G Optic CPRI (G-Data 1)

2.5G Optic CPRI (H-Data 1)

2.5G Optic CPRI (J-Data 1)



**BB6630 4G/5G (TEF)**

RPM 777 211/* (D-Data 1)

RPM 777 211/* (E-Data 1)

RPM 777 211/* (F-Data 1)

RPM 113 6127/1000

1 ANT

2 GPS Receiver (GRU)

TSR 951 357/1500

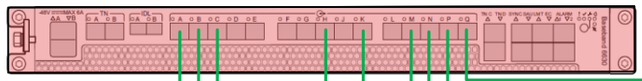
To GPS feeder

## 20W Stealth No-L18 (Indoor or Outdoor)

Sector 3 | Sector 2 | Sector 1

Items 80-85 - RPM 777 700/00130 (RXA I/O – RXB I/O)

# Signal connections For Baseline



BB6630 4G (VF)

2.5G Optic CPRI (Q-Data 2)

2.5G Optic CPRI (P-Data 2)

2.5G Optic CPRI (N-Data 2)

2.5G Optic CPRI (A-Data 2)

2.5G Optic CPRI (B-Data 2)

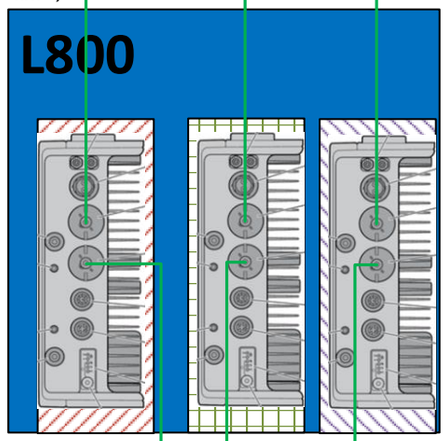
2.5G Optic CPRI (C-Data 2)

2.5G Optic CPRI (H-Data 2)

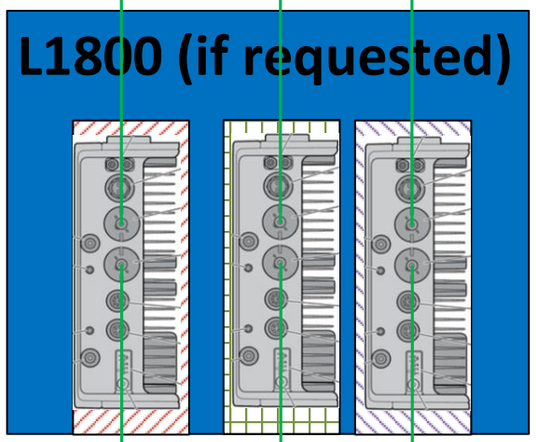
2.5G Optic CPRI (K-Data 2)

2.5G Optic CPRI (M-Data 2)

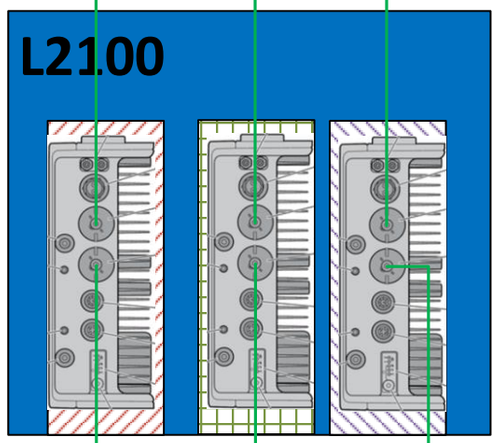
L800



L1800 (if requested)



L2100



2.5G Optic CPRI (K-Data 1)

2.5G Optic CPRI (M-Data 1)

2.5G Optic CPRI (N-Data 1)

2.5G Optic CPRI (P-Data 1)

2.5G Optic CPRI (Q-Data 1)

2.5G Optic CPRI (H-Data 1)

BB6630 4G (TEF)

2.5G Optic CPRI (A-Data 1)

2.5G Optic CPRI (B-Data 1)

2.5G Optic CPRI (C-Data 1)

Sector 3

Sector 2

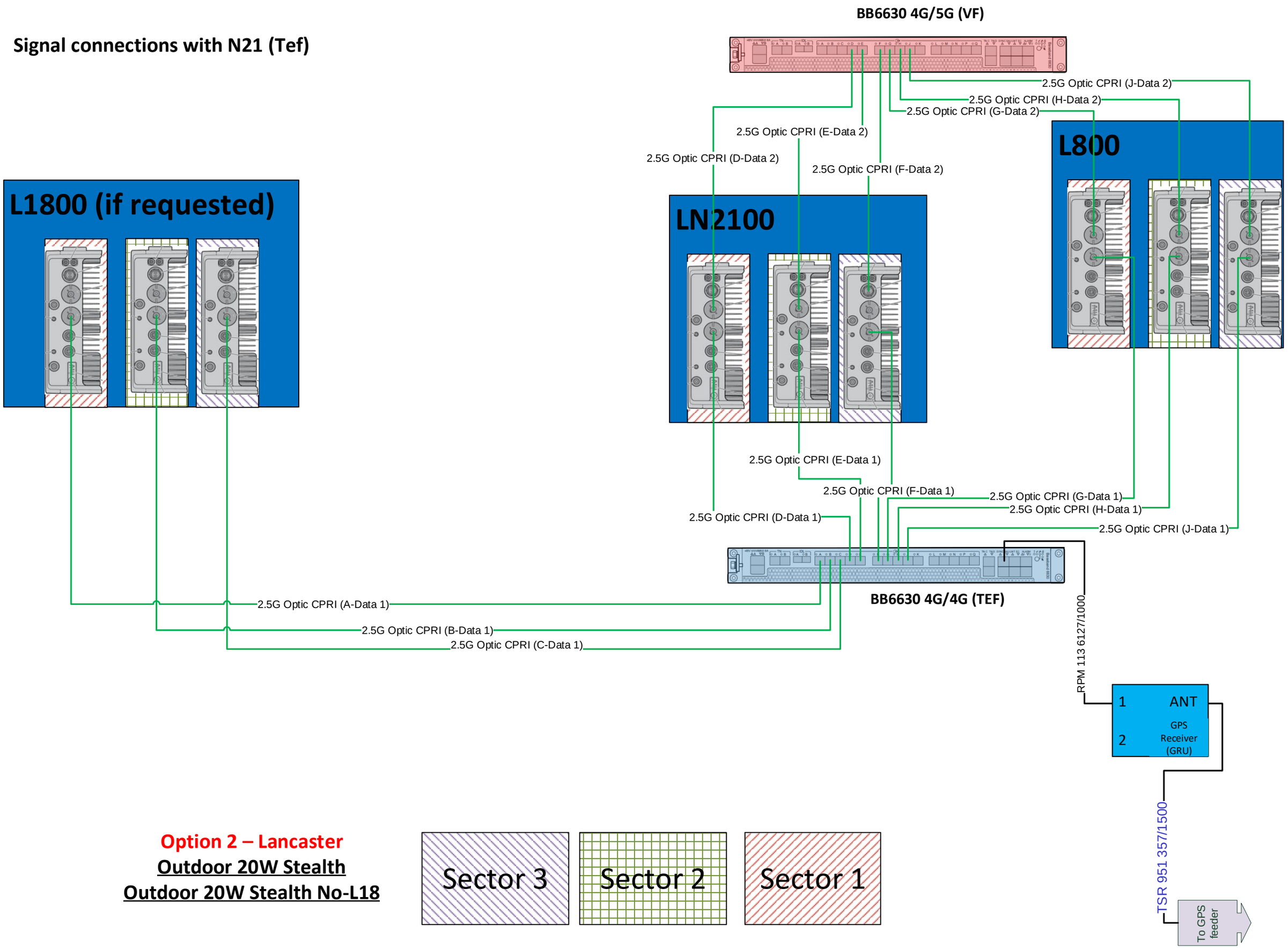
Sector 1

**Option 2 – Lancaster**

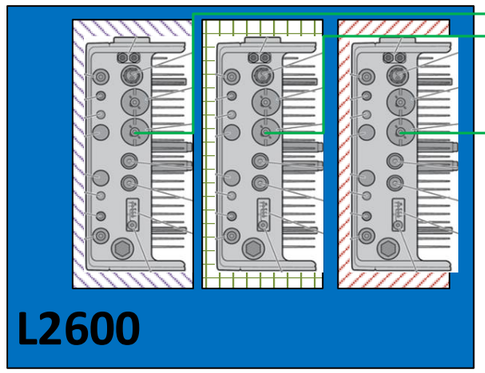
**Outdoor 20W Stealth**

**Outdoor 20W Stealth No-L18**

## Signal connections with N21 (Tef)



# Signal connections For Baseline

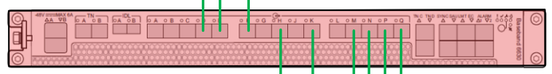



10G Optic CPRI (F-Data 1)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (D-Data 1)

**BB6630 4G (VF)**



2.5G Optic CPRI (Q-Data 2)

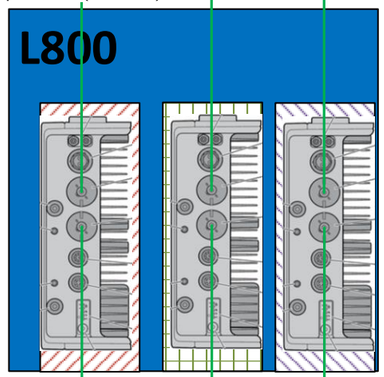
2.5G Optic CPRI (P-Data 2)

2.5G Optic CPRI (N-Data 2)

10G Optic CPRI (H-Data 2)

10G Optic CPRI (K-Data 2)

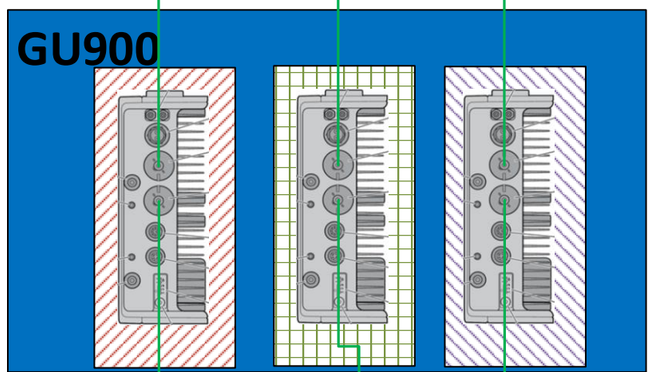
10G Optic CPRI (M-Data 2)

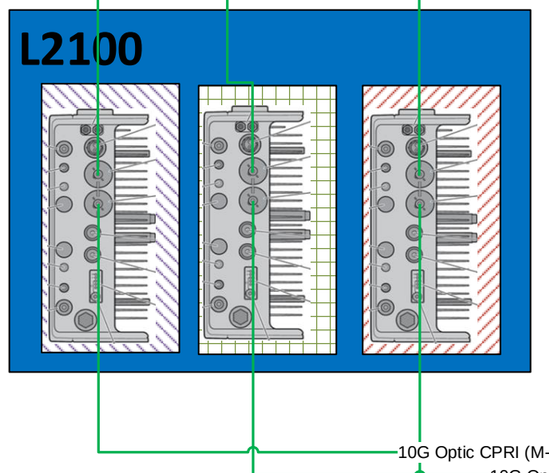



2.5G Optic CPRI (C-Data 2)

2.5G Optic CPRI (B-Data 2)

2.5G Optic CPRI (A-Data 2)

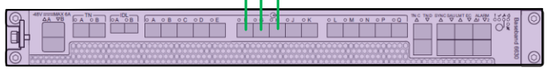





2.5G Optic CPRI (B-Data 1)

2.5G Optic CPRI (A-Data 1)

2.5G Optic CPRI (C-Data 1)



**BB6630 3G**

2.5G Optic CPRI (N-Data 1)

2.5G Optic CPRI (P-Data 1)

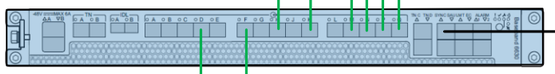
2.5G Optic CPRI (Q-Data 1)

10G Optic CPRI (M-Data 1)

10G Optic CPRI (K-Data 1)

10G Optic CPRI (H-Data 1)

**BB6630 4G (TEF)**



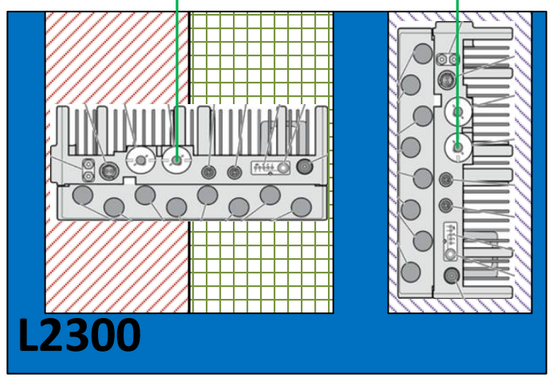
RPM 113 6127/1000

10G Optic CPRI (D-Data 1)

1 ANT

2 GPS Receiver (GRU)

10G Optic CPRI (F-Data 1)




TSR 951 357/1500

To GPS feeder

## Outdoor 20W Small SF Single UU21

Sector 3

Sector 2

Sector 1

# Signal connections with N21 (Tef)

L2600

10G Optic CPRI (F-Data 1)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (D-Data 1)

BB6630 4G/5G (VF)

2.5G Optic CPRI (J-Data 2)

2.5G Optic CPRI (H-Data 2)

2.5G Optic CPRI (G-Data 2)

10G Optic CPRI (A-Data 2)

10G Optic CPRI (B-Data 2)

10G Optic CPRI (C-Data 2)

L800

LN2100

2.5G Optic CPRI (C-Data 2)

2.5G Optic CPRI (B-Data 2)

2.5G Optic CPRI (A-Data 2)

GU900

2.5G Optic CPRI (B-Data 1)

2.5G Optic CPRI (A-Data 1)

2.5G Optic CPRI (C-Data 1)

BB6630 3G

2.5G Optic CPRI (G-Data 1)

2.5G Optic CPRI (H-Data 1)

2.5G Optic CPRI (J-Data 1)

BB6630 4G/5G (TEF)

10G Optic CPRI (A-Data 1)

10G Optic CPRI (B-Data 1)

10G Optic CPRI (C-Data 1)

RPM 113 6127/1000

1 ANT

2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

BB6630 FDD+TDD (TEF)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (D-Data 1)

L2300

## Outdoor 20W Small SF Single UU21

Sector 3

Sector 2

Sector 1

# Signal connections For Baseline

L2600

10G Optic CPRI (F-Data 1)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (D-Data 1)

10G Optic CPRI (M-Data 2)

10G Optic CPRI (K-Data 2)

10G Optic CPRI (H-Data 2)

BB6630 4G (VF)

BB6630 4G/5G (VF)

2.5G Optic CPRI (Q-Data 2)

2.5G Optic CPRI (P-Data 2)

2.5G Optic CPRI (N-Data 2)

L800

2.5G Optic CPRI (B-Data 2)

2.5G Optic CPRI (A-Data 2)

2.5G Optic CPRI (C-Data 2)

2.5G Optic CPRI (C-Data 2)

2.5G Optic CPRI (B-Data 2)

2.5G Optic CPRI (A-Data 2)

GU900

L2100

L1800

2.5G Optic CPRI (B-Data 1)

2.5G Optic CPRI (A-Data 1)

2.5G Optic CPRI (C-Data 1)

2.5G Optic CPRI (N-Data 1)

2.5G Optic CPRI (P-Data 1)

2.5G Optic CPRI (Q-Data 1)

2.5G Optic CPRI (B-Data 1)

2.5G Optic CPRI (A-Data 1)

2.5G Optic CPRI (C-Data 1)

BB6630 3G

BB6630 4G/5G (TEF)

BB6630 4G (TEF)

10G Optic CPRI (H-Data 1)

10G Optic CPRI (K-Data 1)

10G Optic CPRI (M-Data 1)

RPM 113 6127/1000

10G Optic CPRI (D-Data 1)

1 ANT

2 GPS Receiver (GRU)

10G Optic CPRI (F-Data 1)

TSR 951 357/1500

To GPS feeder

L2300

**Outdoor 20W Stealth UU21**

Sector 3

Sector 2

Sector 1

# Signal connections with N21 (Tef)

L2600

10G Optic CPRI (F-Data 1)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (D-Data 1)

BB6630 4G/5G (VF)

2.5G Optic CPRI (J-Data 2)

2.5G Optic CPRI (H-Data 2)

2.5G Optic CPRI (G-Data 2)

10G Optic CPRI (A-Data 2)

10G Optic CPRI (B-Data 2)

10G Optic CPRI (C-Data 2)

L800

2.5G Optic CPRI (C-Data 2)

2.5G Optic CPRI (B-Data 2)

2.5G Optic CPRI (A-Data 2)

GU900

LN2100

2.5G Optic CPRI (G-Data 1)

2.5G Optic CPRI (H-Data 1)

2.5G Optic CPRI (J-Data 1)

2.5G Optic CPRI (B-Data 1)

2.5G Optic CPRI (A-Data 1)

2.5G Optic CPRI (C-Data 1)

BB6630 3G

BB6630 4G/5G (TEF)

10G Optic CPRI (A-Data 1)

10G Optic CPRI (B-Data 1)

10G Optic CPRI (C-Data 1)

RPM 113 6127/1000

2.5G Optic CPRI (C-Data 1)

2.5G Optic CPRI (B-Data 1)

2.5G Optic CPRI (A-Data 1)

BB6630 FDD+TDD (TEF)

1 ANT

2 GPS Receiver (GRU)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (D-Data 1)

TSR 951 357/1500

To GPS feeder

L1800

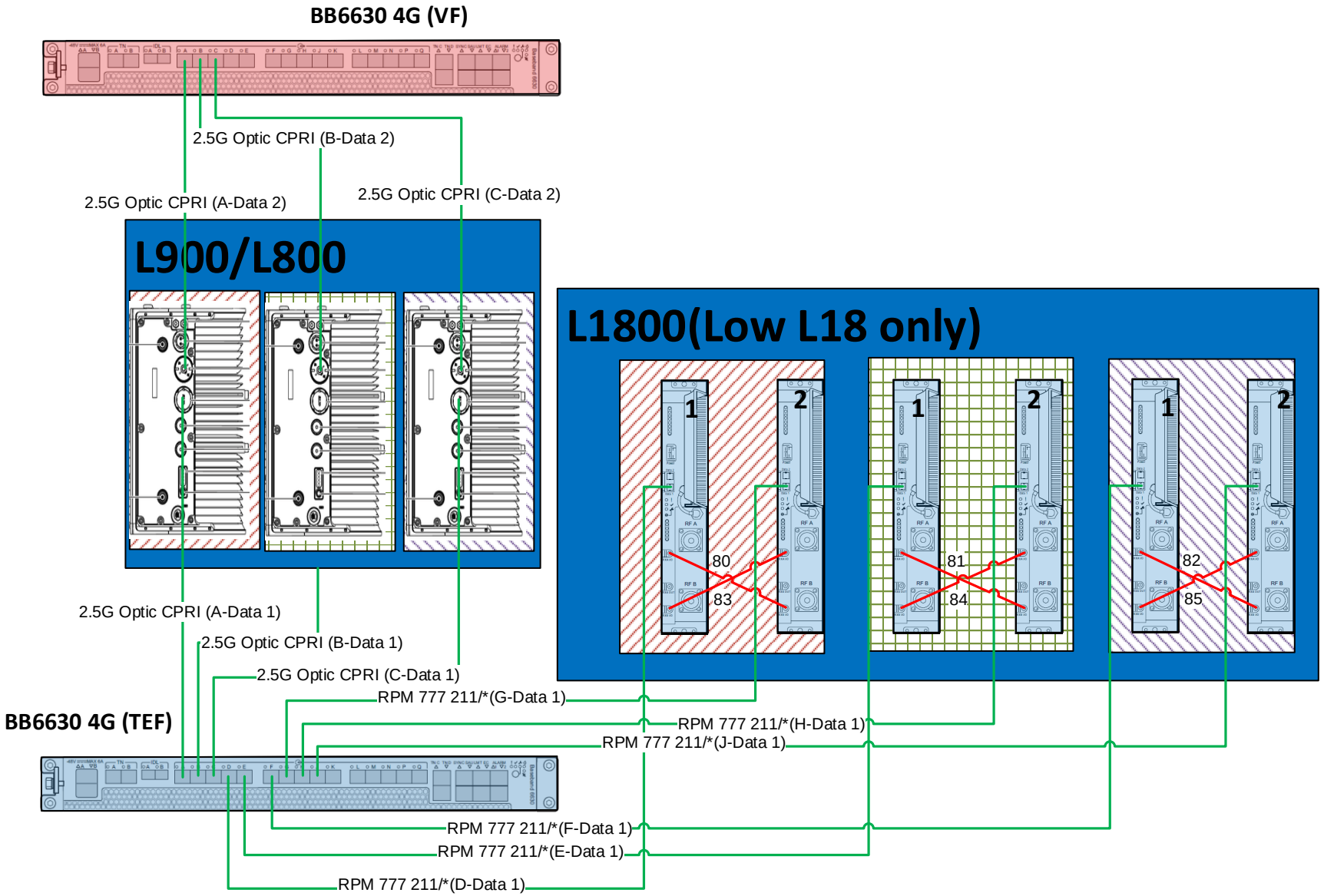
L2300

**Outdoor 20W Stealth UU21**

Sector 3

Sector 2

Sector 1




**Indoor or Outdoor:**

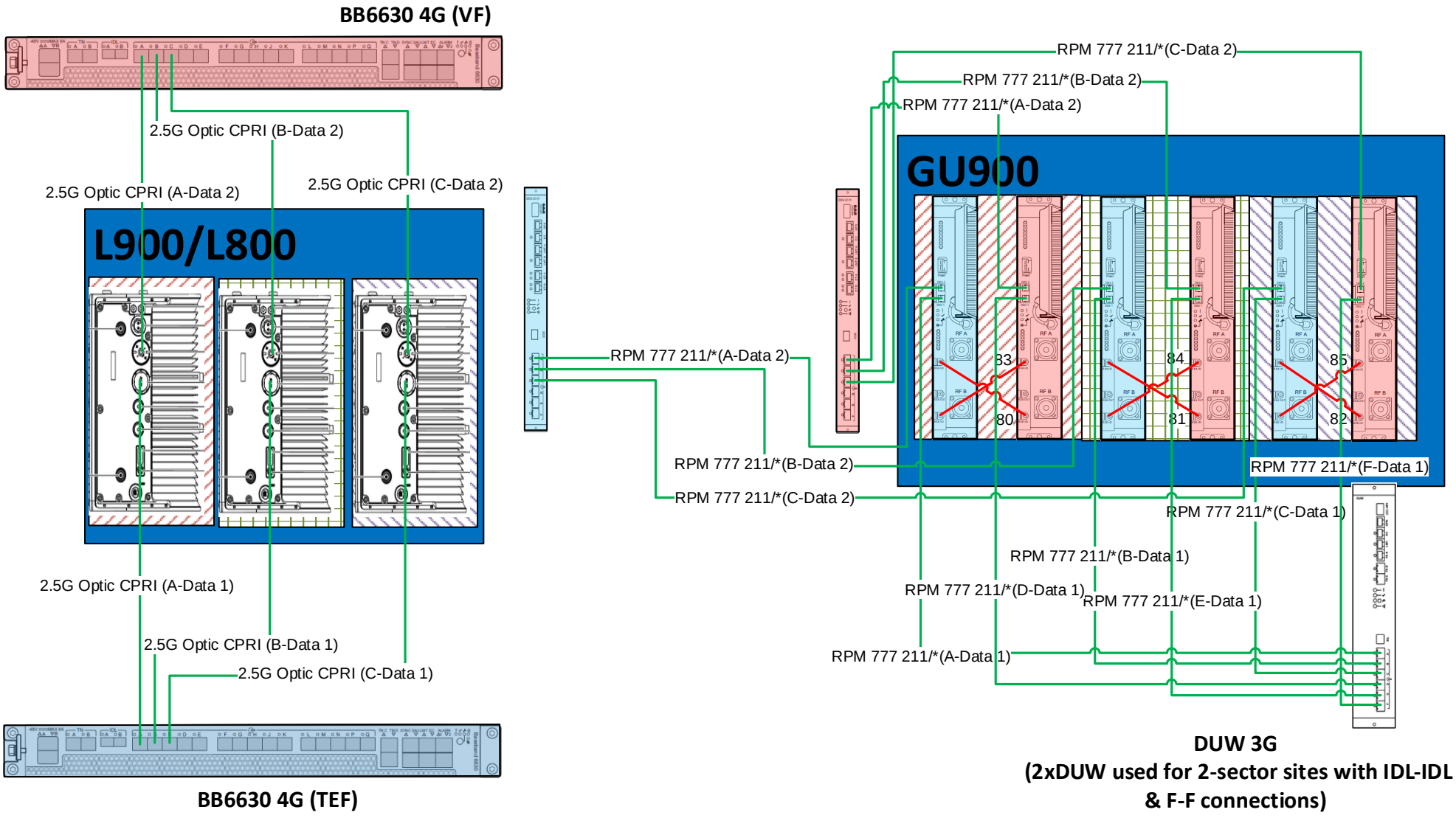
**20W Low**

**20W Low L18**

**20W Low UNLR**

**20W Low Non-RRU 20W BB to 20W Low ULNR**

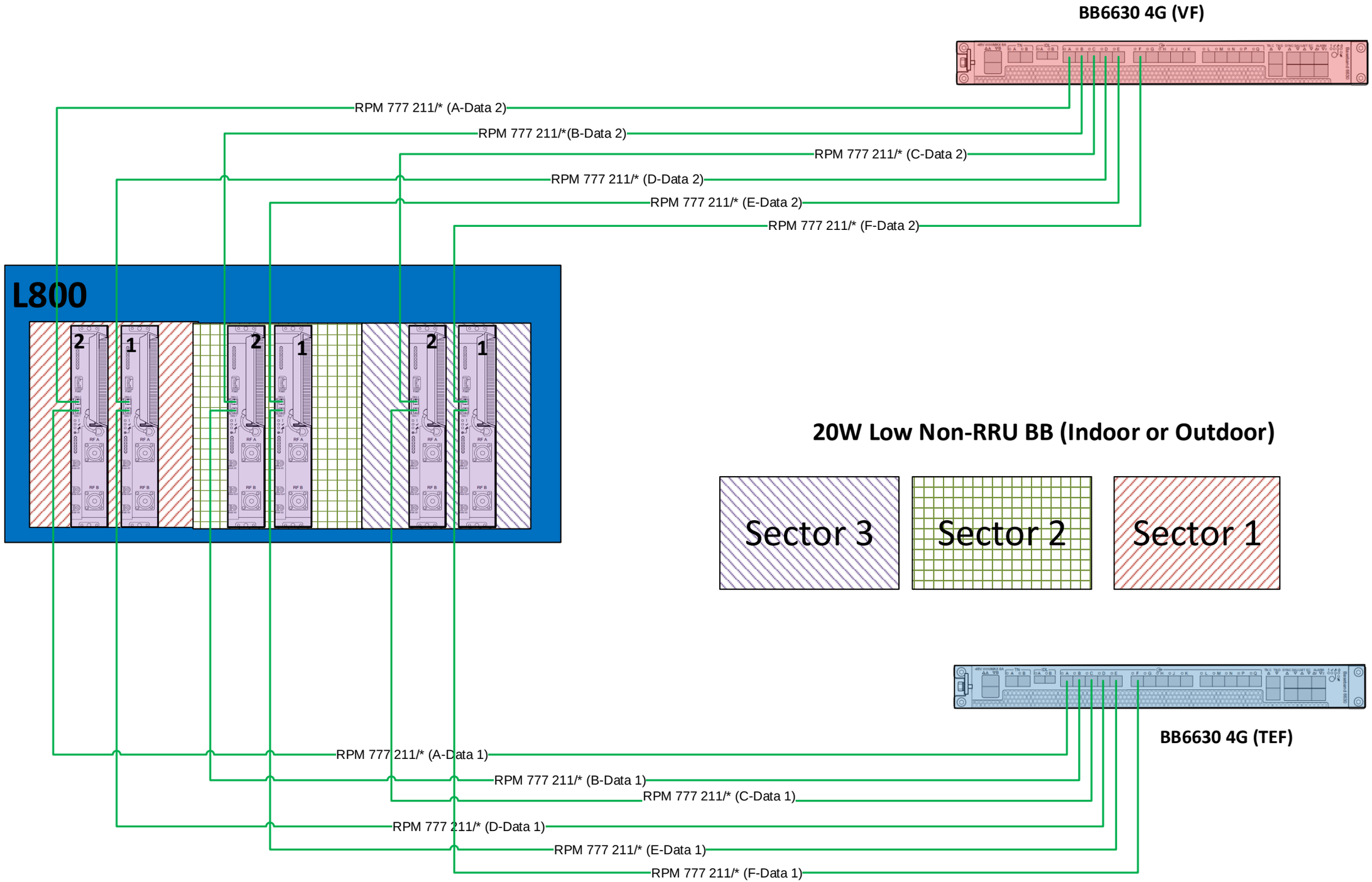
Sector 3 | Sector 2 | Sector 1

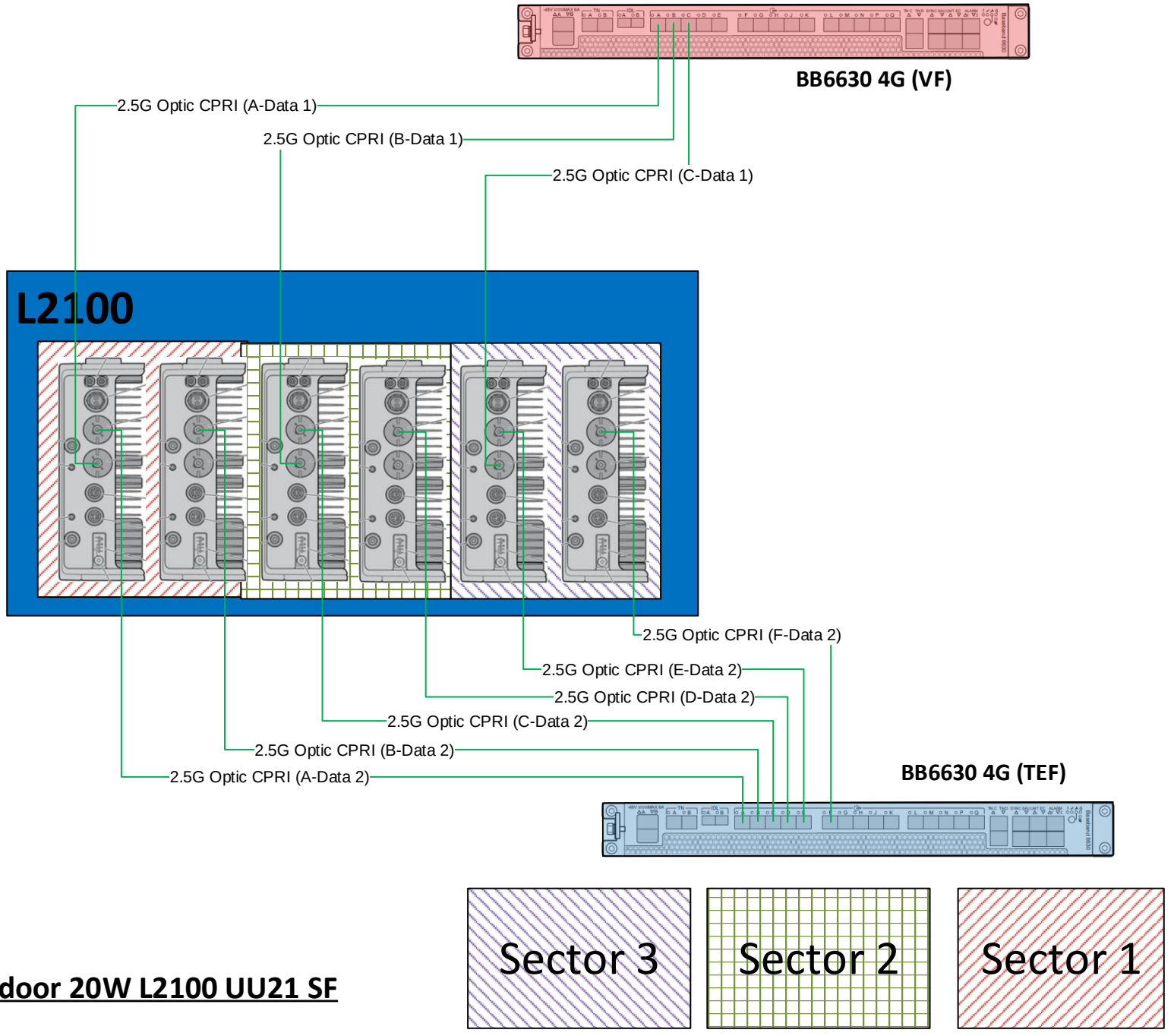



Items 80-85 - RPM 777 700/00130 (RXA I/O – RXB I/O)

**12W Low (Indoor or Outdoor)**

Sector 3 | Sector 2 | Sector 1


BB6630 4G (VF)
RPM 777 211/* (A-Data 2)
RPM 777 211/*(B-Data 2)
RPM 777 211/* (C-Data 2)
RPM 777 211/* (D-Data 2)
RPM 777 211/* (E-Data 2)
RPM 777 211/* (F-Data 2)
L800
2
1
2
1
2
1
20W Low Non-RRU BB (Indoor or Outdoor)
Sector 3
Sector 2
Sector 1
BB6630 4G (TEF)
RPM 777 211/* (A-Data 1)
RPM 777 211/* (B-Data 1)
RPM 777 211/* (C-Data 1)
RPM 777 211/* (D-Data 1)
RPM 777 211/* (E-Data 1)
RPM 777 211/* (F-Data 1)




**Outdoor 20W L2100 UU21 SF**

# Signal connections For Baseline

L2600

10G Optic CPRI (F-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (D-Data 1)
2.5G Optic CPRI (C-Data 2)
2.5G Optic CPRI (B-Data 2)
2.5G Optic CPRI (A-Data 2)

BB6630 4G (VF)

10G Optic CPRI (H-Data 1)
10G Optic CPRI (K-Data 1)
10G Optic CPRI (M-Data 1)
2.5G Optic CPRI (Q-Data 2)
2.5G Optic CPRI (P-Data 2)
2.5G Optic CPRI (N-Data 2)

L2100

L8/L9

L1800

2.5G Optic CPRI (N-Data 1)
2.5G Optic CPRI (P-Data 1)
2.5G Optic CPRI (Q-Data 1)
10G Optic CPRI (M-Data 2)
10G Optic CPRI (K-Data 2)
10G Optic CPRI (H-Data 2)

BB6630 4G (TEF)

2.5G Optic CPRI (A-Data 1)
2.5G Optic CPRI (B-Data 1)
2.5G Optic CPRI (C-Data 1)

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

10G Optic CPRI (D-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (F-Data 1)

L2300

2.5G Optic CPRI (A-Data 2)
2.5G Optic CPRI (A-Data 1)
2.5G Optic CPRI (A-Data 1)

GU900

2.5G Optic CPRI (A-Data 1)
2.5G Optic CPRI (C-Data 1)
2.5G Optic CPRI (B-Data 1)

DUW 3G

## 20W Modular Medium (Indoor)

Sector 3 | Sector 2 | Sector 1

# Signal connections with N21 (Tef)

L2600

10G Optic CPRI (J-Data 1)

10G Optic CPRI (H-Data 1)

10G Optic CPRI (G-Data 1)

10G Optic CPRI (A-Data 1)

10G Optic CPRI (B-Data 1)

10G Optic CPRI (C-Data 1)

BB6630 4G/5G (VF)

LN2100

2.5G Optic CPRI (F-Data 2)

2.5G Optic CPRI (E-Data 2)

2.5G Optic CPRI (D-Data 2)

L8/L9

L1800

2.5G Optic CPRI (D-Data 1)

2.5G Optic CPRI (E-Data 1)

2.5G Optic CPRI (F-Data 1)

10G Optic CPRI (C-Data 2)

10G Optic CPRI (B-Data 2)

10G Optic CPRI (A-Data 2)

BB6630 4G/5G (TEF)

2.5G Optic CPRI (C-Data 1)

2.5G Optic CPRI (B-Data 1)

2.5G Optic CPRI (A-Data 1)

BB6630 FDD+TDD (TEF)

RPM 113 6127/1000

1 ANT

2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

L2300

10G Optic CPRI (D-Data 1)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (F-Data 1)

2.5G Optic CPRI (A-Data 2)

2.5G Optic CPRI (A-Data 1)

2.5G Optic CPRI (A-Data 1)

GU900

2.5G Optic CPRI (A-Data 1)

2.5G Optic CPRI (C-Data 1)

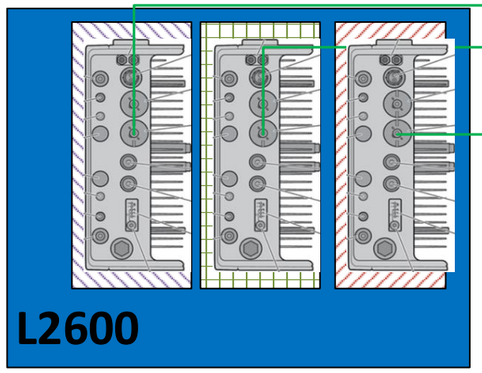
2.5G Optic CPRI (B-Data 1)

DUW 3G

**20W Modular Medium (Indoor)**

Sector 3 | Sector 2 | Sector 1

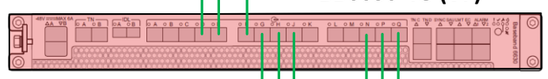
# Signal connections For Baseline




10G Optic CPRI (F-Data 1)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (D-Data 1)




2.5G Optic CPRI (Q-Data 2)

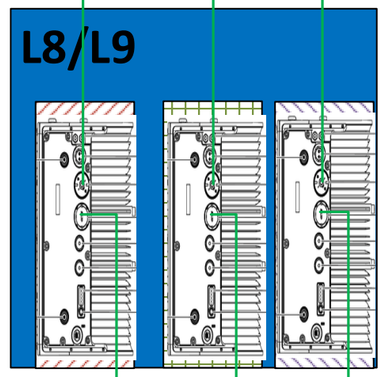
2.5G Optic CPRI (P-Data 2)

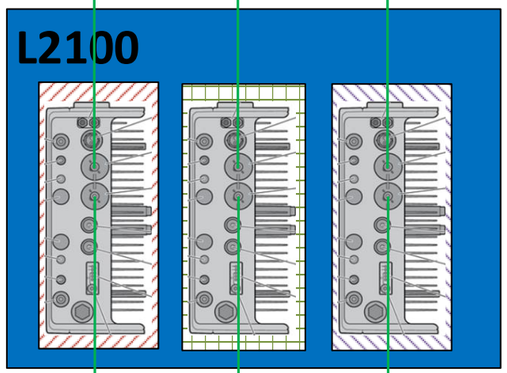
2.5G Optic CPRI (N-Data 2)

10G Optic CPRI (G-Data 2)

10G Optic CPRI (H-Data 2)

10G Optic CPRI (J-Data 2)




10G Optic CPRI (J-Data 1)

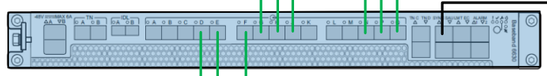
10G Optic CPRI (H-Data 1)

10G Optic CPRI (G-Data 1)

2.5G Optic CPRI (N-Data 1)

2.5G Optic CPRI (P-Data 1)

2.5G Optic CPRI (Q-Data 1)



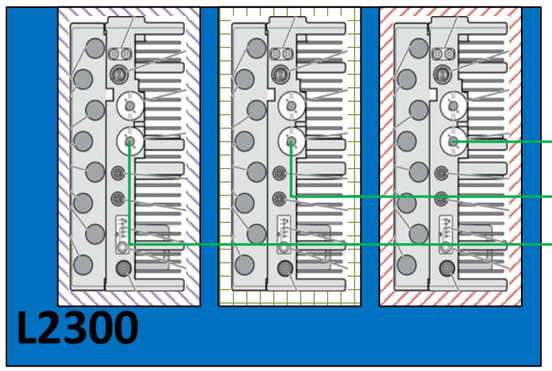

RPM 113 6127/1000

1 ANT

2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder




10G Optic CPRI (D-Data 1)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (F-Data 1)

**20W/12W Small UL (Indoor or Outdoor)**

Sector 3

Sector 2

Sector 1

# Signal connections with N21 & N7 (Tef only)

L2600

10G Optic CPRI (F-Data 1)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (D-Data 1)

BB6630 4G/5G (VF)

2.5G Optic CPRI (J-Data 2)

2.5G Optic CPRI (H-Data 2)

2.5G Optic CPRI (G-Data 2)

L8/L9

10G Optic CPRI (A-Data 2)

10G Optic CPRI (B-Data 2)

10G Optic CPRI (C-Data 2)

LN2100

N700

2.5G Optic CPRI (E-Data 1)

2.5G Optic CPRI (F-Data 1)

2.5G Optic CPRI (G-Data 1)

2.5G Optic CPRI (H-Data 1)

2.5G Optic CPRI (J-Data 1)

2.5G Optic CPRI (D-Data 1)

BB6630 FDD+TDD (TEF)

BB6630 4G/5G (TEF)

10G Optic CPRI (A-Data 1)

10G Optic CPRI (B-Data 1)

10G Optic CPRI (C-Data 1)

RPM 113 6127/1000

1 ANT

2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

**20W/12W Small UL (Indoor or Outdoor)**

L2300

10G Optic CPRI (D-Data 1)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (F-Data 1)

Sector 3

Sector 2

Sector 1

# Signal connections with N21 & N7 (MoRAN)

L2600

10G Optic CPRI (5-Data 1)
10G Optic CPRI (6-Data 1)
10G Optic CPRI (7-Data 1)

R503 (VF)

BB6630 4G/5G (VF)

RPM 777 579/* (A-1)
RPM 777 579/* (B-2)
RPM 777 579/* (C-3)
2.5G Optic CPRI (12-Data 2)
2.5G Optic CPRI (11-Data 2)
2.5G Optic CPRI (10-Data 2)

10G Optic CPRI (16-Data 2)
10G Optic CPRI (15-Data 2)
10G Optic CPRI (14-Data 2)

2.5G Optic CPRI (D-Data 2)
2.5G Optic CPRI (F-Data 2)
2.5G Optic CPRI (E-Data 2)

L8/L9

LN2100

N700

2.5G Optic CPRI (E-Data 1)
2.5G Optic CPRI (F-Data 1)
2.5G Optic CPRI (G-Data 1)
2.5G Optic CPRI (H-Data 1)
2.5G Optic CPRI (J-Data 1)
2.5G Optic CPRI (D-Data 1)

BB6630 FDD+TDD (TEF)

BB6630 4G/5G (TEF)

10G Optic CPRI (A-Data 1)
10G Optic CPRI (B-Data 1)
10G Optic CPRI (C-Data 1)

RPM 113 6127/1000

1 ANT
2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

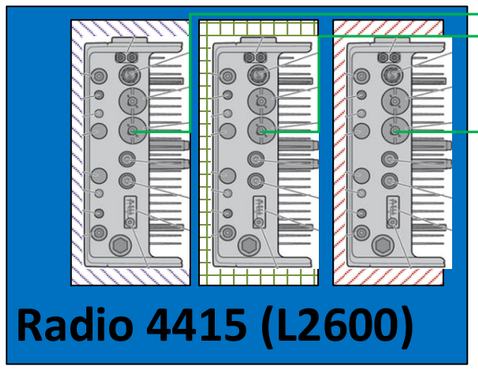
**20W/12W Small UL (Indoor or Outdoor)**

L2300

10G Optic CPRI (D-Data 1)
10G Optic CPRI (E-Data 1)
10G Optic CPRI (F-Data 1)

Sector 3 | Sector 2 | Sector 1

# Signal connections For Baseline




10G Optic CPRI (J-Data 1)

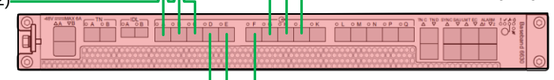
10G Optic CPRI (H-Data 1)

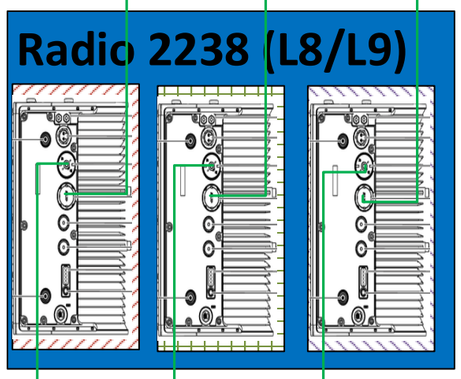
10G Optic CPRI (G-Data 1)

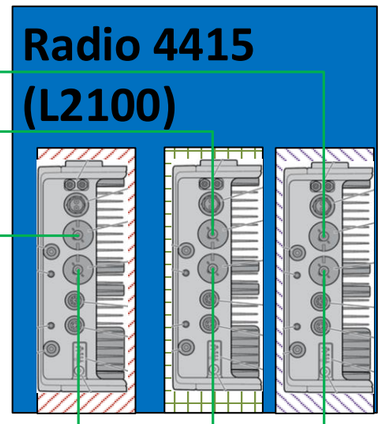
2.5G Optic CPRI (A-Data 2)

2.5G Optic CPRI (B-Data 2)

2.5G Optic CPRI (C-Data 2)




10G Optic CPRI (F-Data 2)

10G Optic CPRI (E-Data 2)

10G Optic CPRI (D-Data 2)

2.5G Optic CPRI (C-Data 1)

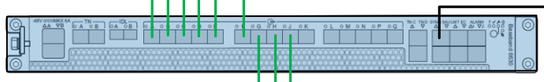
10G Optic CPRI (D-Data 1)

2.5G Optic CPRI (B-Data 1)

10G Optic CPRI (E-Data 1)

2.5G Optic CPRI (A-Data 1)

10G Optic CPRI (F-Data 1)

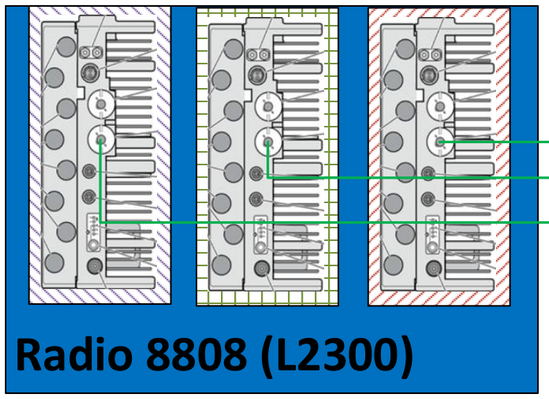



RPM 113 6127/1000




TSR 951 357/1500

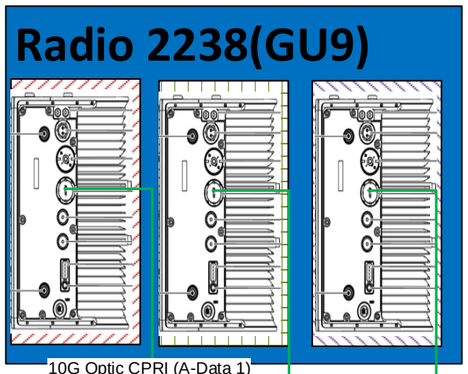
To GPS feeder




10G Optic CPRI (G-Data 1)

10G Optic CPRI (H-Data 1)

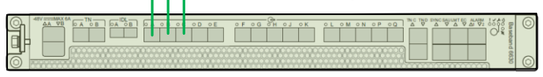
10G Optic CPRI (J-Data 1)




10G Optic CPRI (A-Data 1)

10G Optic CPRI (B-Data 1)

10G Optic CPRI (C-Data 1)



BB6630 2G/3G (VF+TEF)

**Outdoor 20W RBSERS Small SF**

Sector 3

Sector 2

Sector 1

# Signals connections with N21 & N7 (Tef)

Radio 4415 (L2600)

10G Optic CPRI (J-Data 1)

10G Optic CPRI (H-Data 1)

10G Optic CPRI (G-Data 1)

2.5G Optic CPRI (A-Data 2)

2.5G Optic CPRI (B-Data 2)

2.5G Optic CPRI (C-Data 2)

BB6630 4G/5G (VF)

Radio 2238 (L8/L9)

Radio 4415 (LN2100)

10G Optic CPRI (F-Data 2)

10G Optic CPRI (E-Data 2)

10G Optic CPRI (D-Data 2)

2.5G Optic CPRI (C-Data 1)

10G Optic CPRI (D-Data 1)

2.5G Optic CPRI (B-Data 1)

10G Optic CPRI (E-Data 1)

2.5G Optic CPRI (A-Data 1)

10G Optic CPRI (F-Data 1)

BB6630 4G/5G (TEF)

BB6630 FDD+TDD (TEF)

10G Optic CPRI (G-Data 2)

10G Optic CPRI (H-Data 2)

10G Optic CPRI (J-Data 2)

RPM 113 6127/1000

1 ANT

2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

10G Optic CPRI (A-Data 1)

10G Optic CPRI (B-Data 1)

10G Optic CPRI (C-Data 1)

Radio 8808 (L2300)

Radio 2238(GU9/N7)

10G Optic CPRI (A-Data 1)

10G Optic CPRI (B-Data 1)

10G Optic CPRI (C-Data 1)

BB6630 2G/3G (VF+TEF)

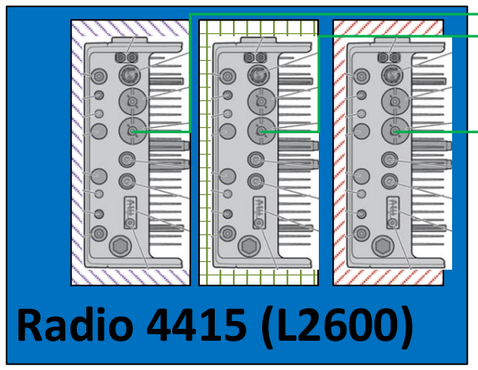
## Outdoor 20W RBSERS Small SF

Sector 3

Sector 2

Sector 1

# Signal connections For Baseline




10G Optic CPRI (J-Data 1)

10G Optic CPRI (H-Data 1)

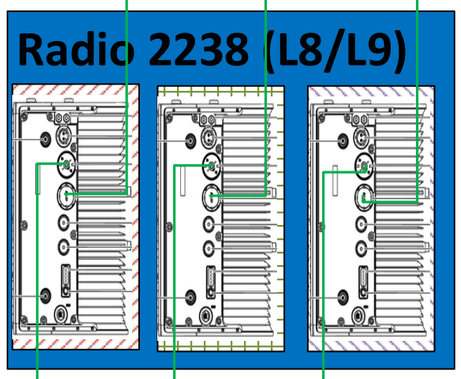
10G Optic CPRI (G-Data 1)

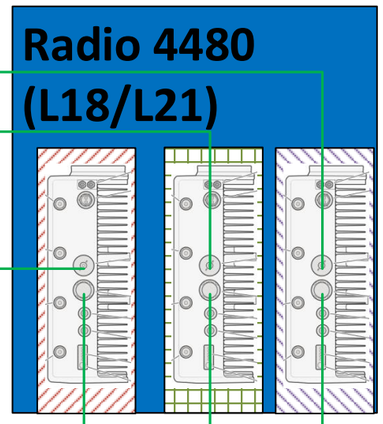
2.5G Optic CPRI (A-Data 2)

2.5G Optic CPRI (B-Data 2)

2.5G Optic CPRI (C-Data 2)

BB6630 4G (VF)




10G Optic CPRI (F-Data 2)

10G Optic CPRI (E-Data 2)

10G Optic CPRI (D-Data 2)

2.5G Optic CPRI (C-Data 1)

2.5G Optic CPRI (B-Data 1)

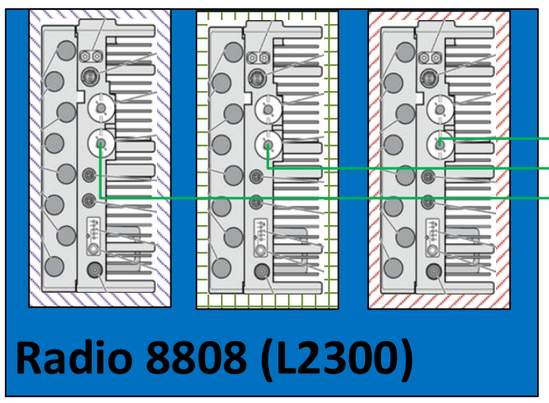
2.5G Optic CPRI (A-Data 1)

10G Optic CPRI (D-Data 1)

10G Optic CPRI (E-Data 1)

10G Optic CPRI (F-Data 1)

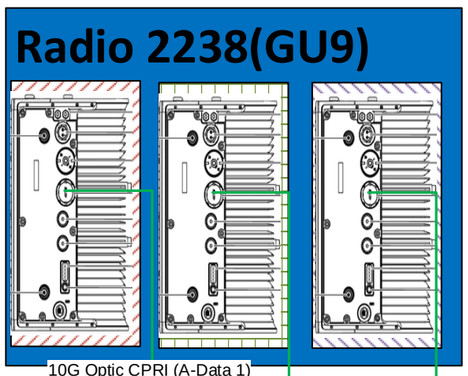
BB6630 4G (TEF)




10G Optic CPRI (G-Data 1)

10G Optic CPRI (H-Data 1)

10G Optic CPRI (J-Data 1)




10G Optic CPRI (A-Data 1)

10G Optic CPRI (B-Data 1)

10G Optic CPRI (C-Data 1)

BB6630 2G/3G (VF+TEF)

RPM 113 6127/1000

1 ANT

2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

**Outdoor 20W RBSERS L18 Small SF**

Sector 3

Sector 2

Sector 1

# Signal connections with N21 & N7 (Tef)

Radio 4415 (L2600)

10G Optic CPRI (J-Data 1)

10G Optic CPRI (H-Data 1)

10G Optic CPRI (G-Data 1)

2.5G Optic CPRI (A-Data 2)

2.5G Optic CPRI (B-Data 2)

2.5G Optic CPRI (C-Data 2)

BB6630 4G/5G (VF)

Radio 2238 (L8/L9)

Radio 4480 (L18/LN21)

10G Optic CPRI (F-Data 2)

10G Optic CPRI (E-Data 2)

10G Optic CPRI (D-Data 2)

2.5G Optic CPRI (C-Data 1)

10G Optic CPRI (D-Data 1)

2.5G Optic CPRI (B-Data 1)

10G Optic CPRI (E-Data 1)

2.5G Optic CPRI (A-Data 1)

10G Optic CPRI (F-Data 1)

BB6630 4G/5G (TEF)

BB6630 FDD+TDD (TEF)

RPM 113 6127/1000

10G Optic CPRI (G-Data 2)

10G Optic CPRI (H-Data 2)

10G Optic CPRI (J-Data 2)

1 ANT

2 GPS Receiver (GRU)

TSR 951 357/1500

To GPS feeder

10G Optic CPRI (A-Data 1)

10G Optic CPRI (B-Data 1)

10G Optic CPRI (C-Data 1)

Radio 8808 (L2300)

Radio 2238(GU9/N7)

10G Optic CPRI (A-Data 1)

10G Optic CPRI (B-Data 1)

10G Optic CPRI (C-Data 1)

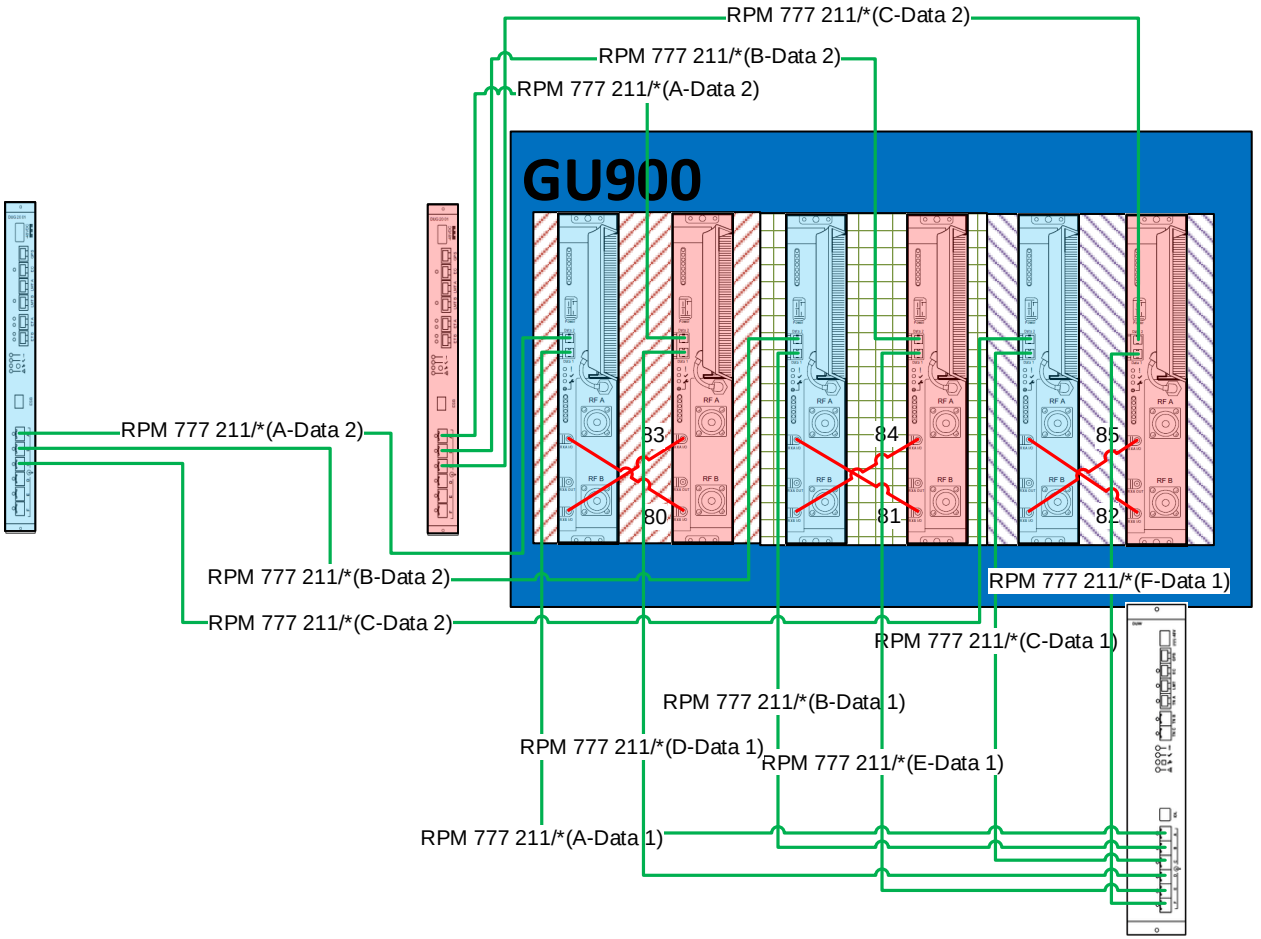
BB6630 2G/3G (VF+TEF)

**Outdoor 20W RBSERS L18 Small SF**

Sector 3

Sector 2

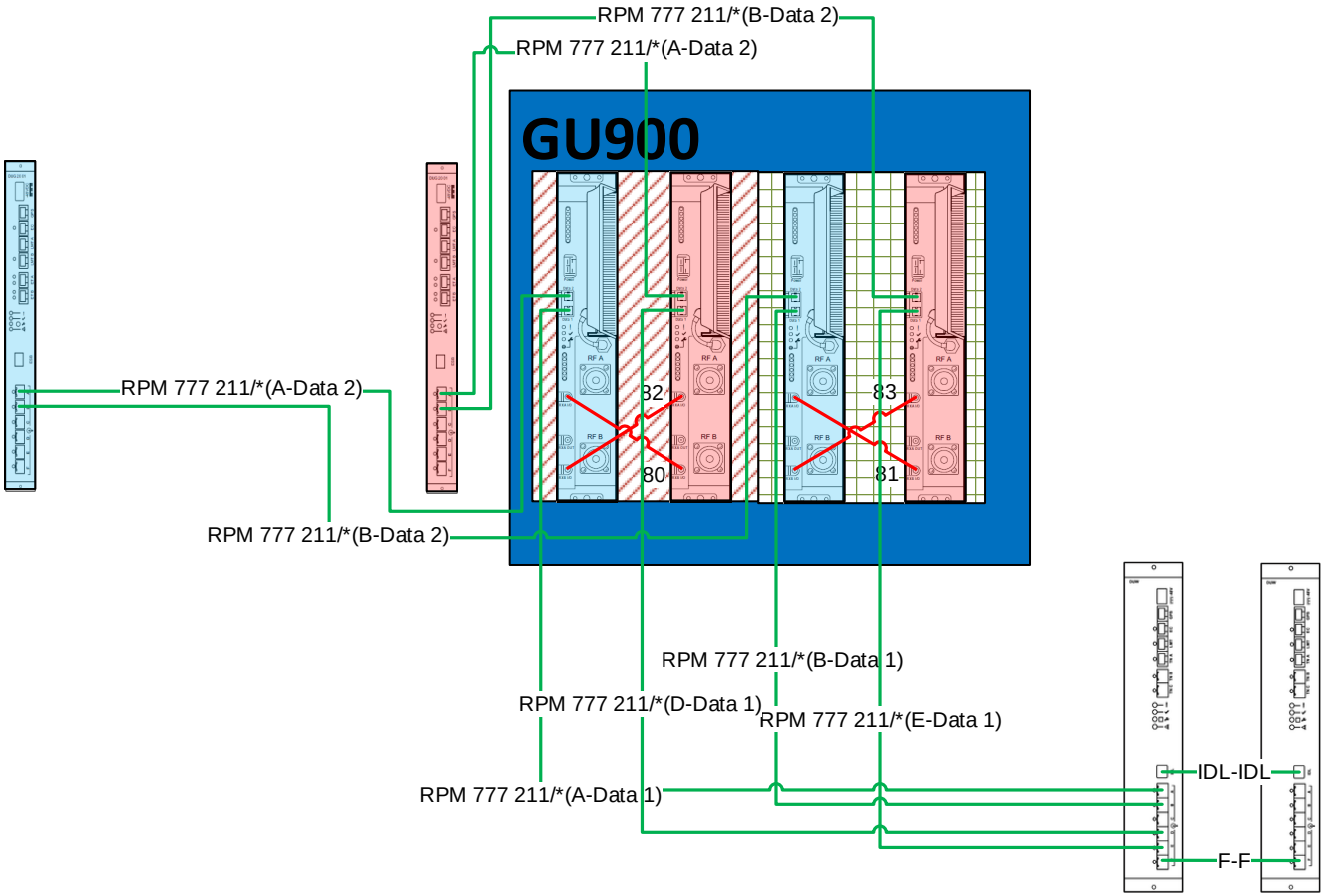
Sector 1




**Signal connections for GU900 12W/20W (3-sector)**

Items 80-85 - RPM 777 700/00130 (RXA I/O – RXB I/O)

Sector 3 | Sector 2 | Sector 1

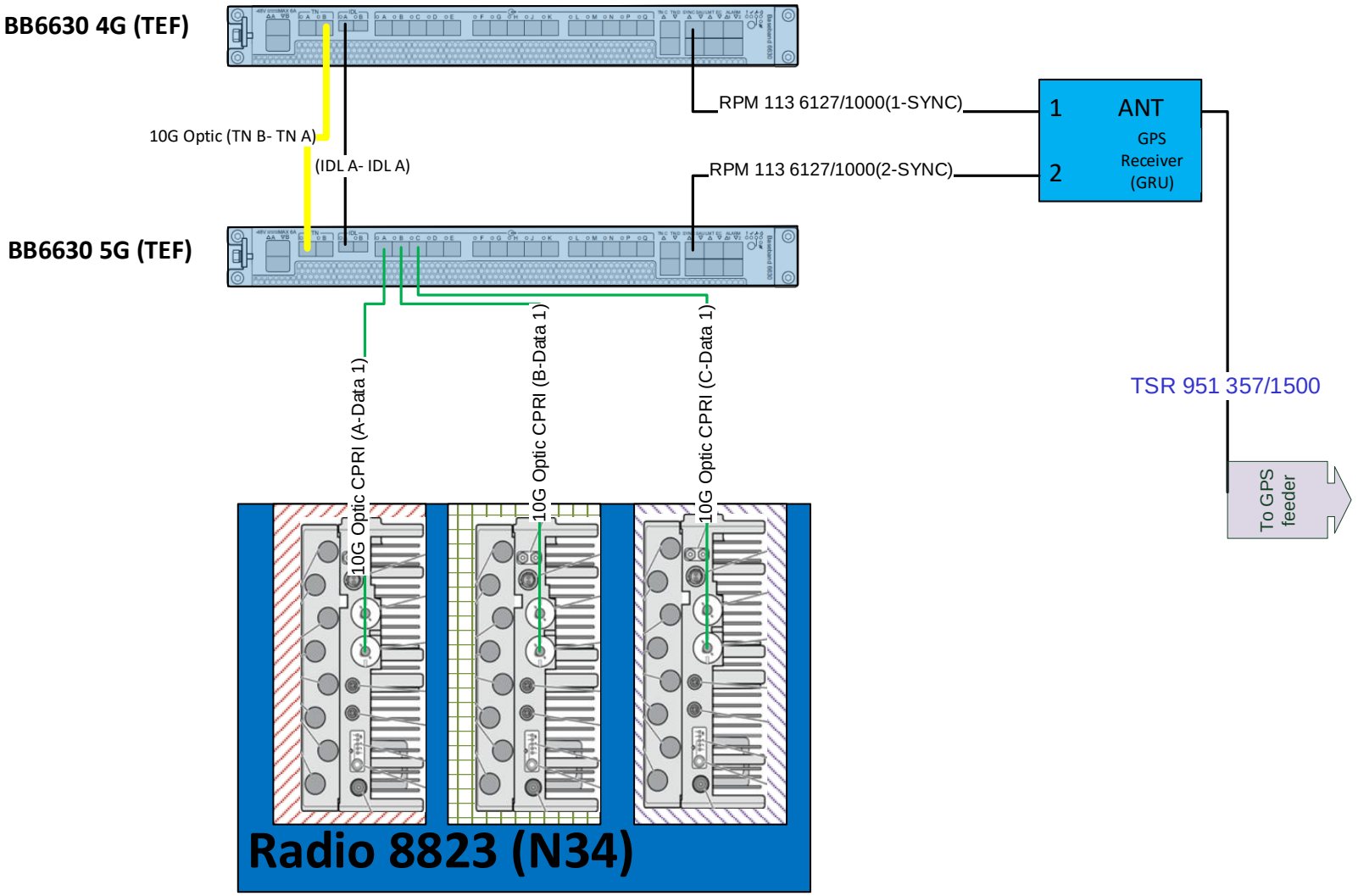



**Signal connections for GU900 12W (2-sector)**

Items 80-83 - RPM 777 700/00130 (RXA I/O – RXB I/O)

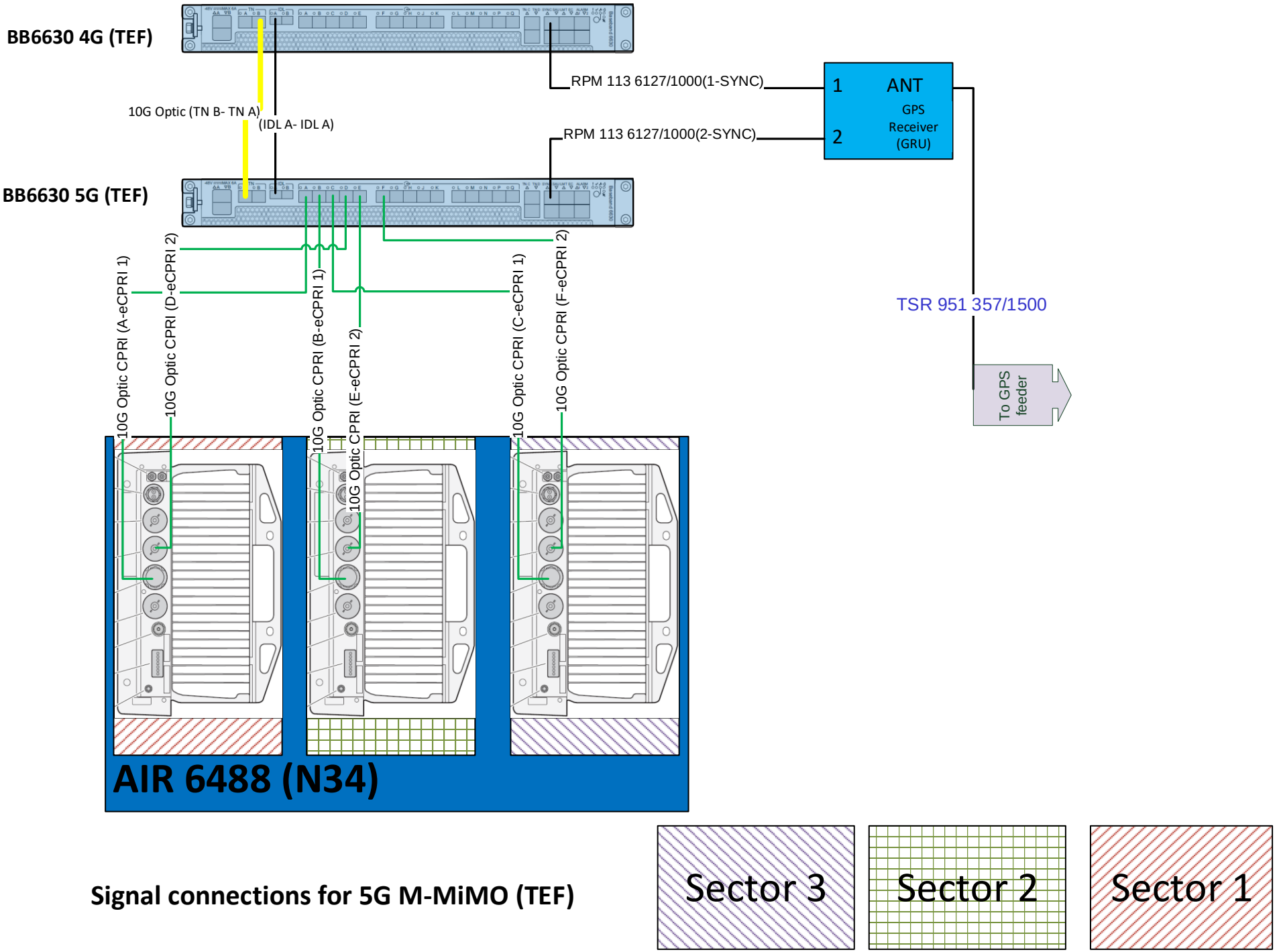
Sector 2

Sector 1

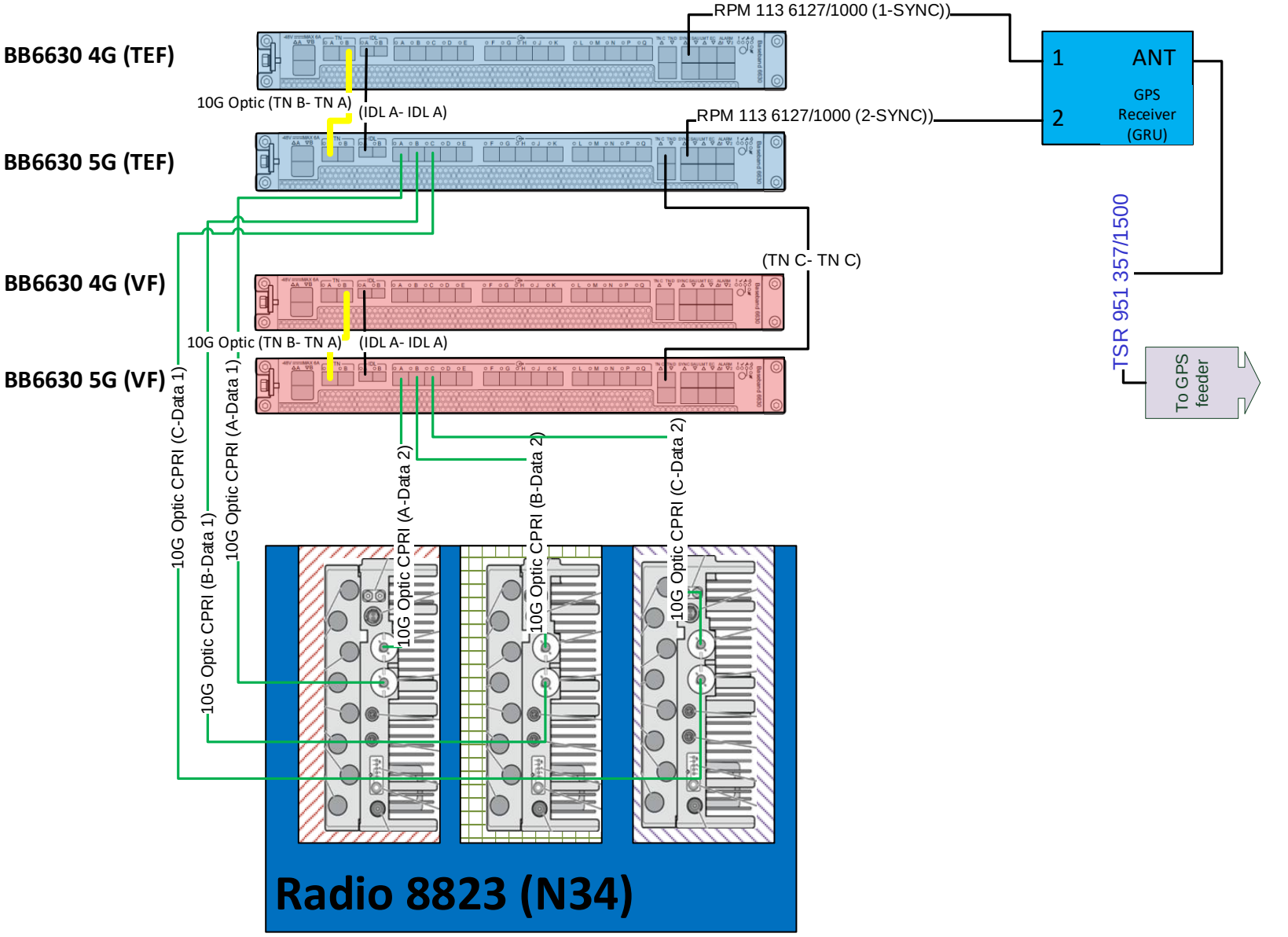



**Signal connections for 5G 8x8 (TEF)**

Sector 3 | Sector 2 | Sector 1

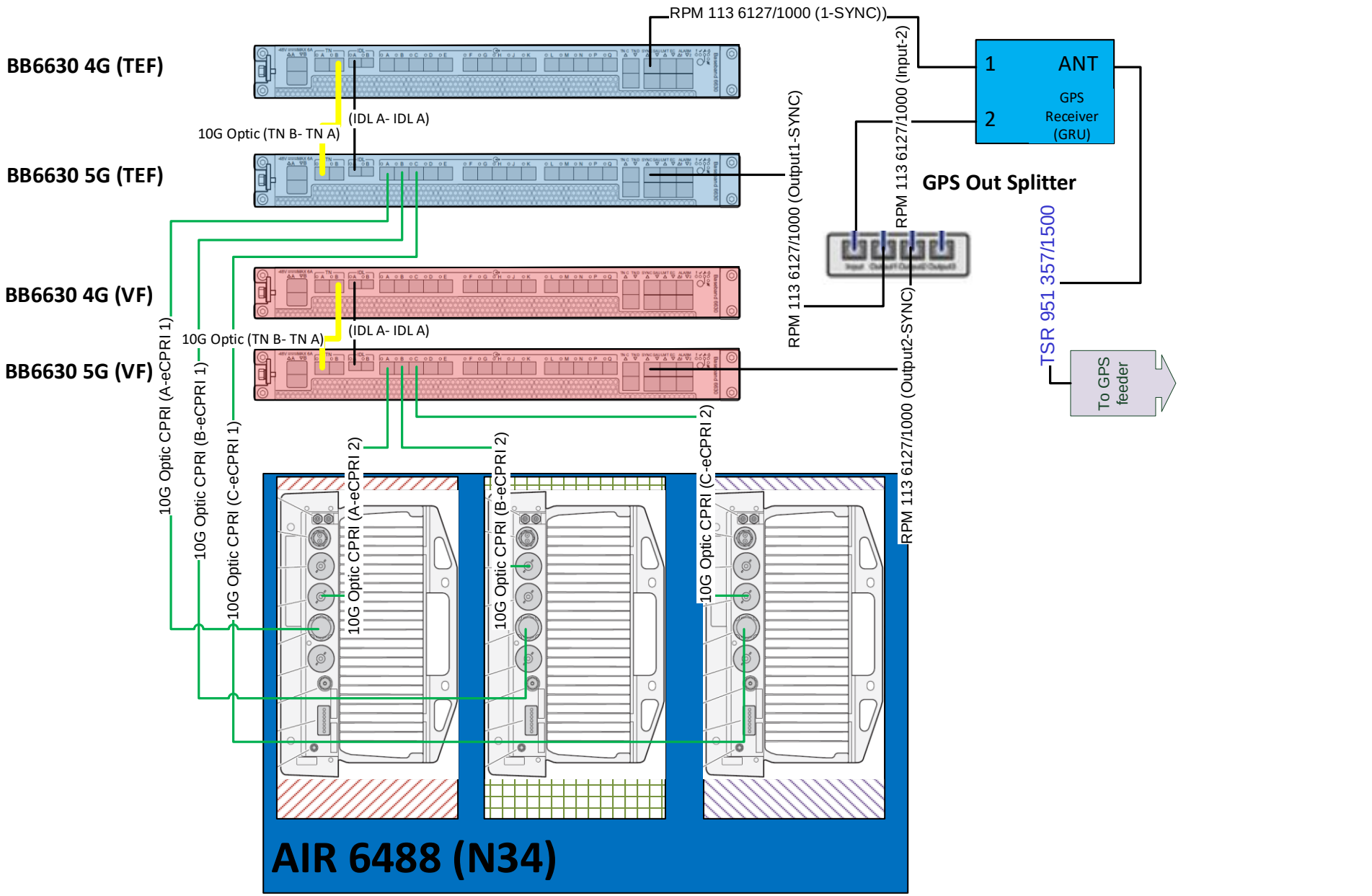



**Signal connections for 5G M-MiMO (TEF)**




**Signal connections for 5G 8x8 (MoRAN)**

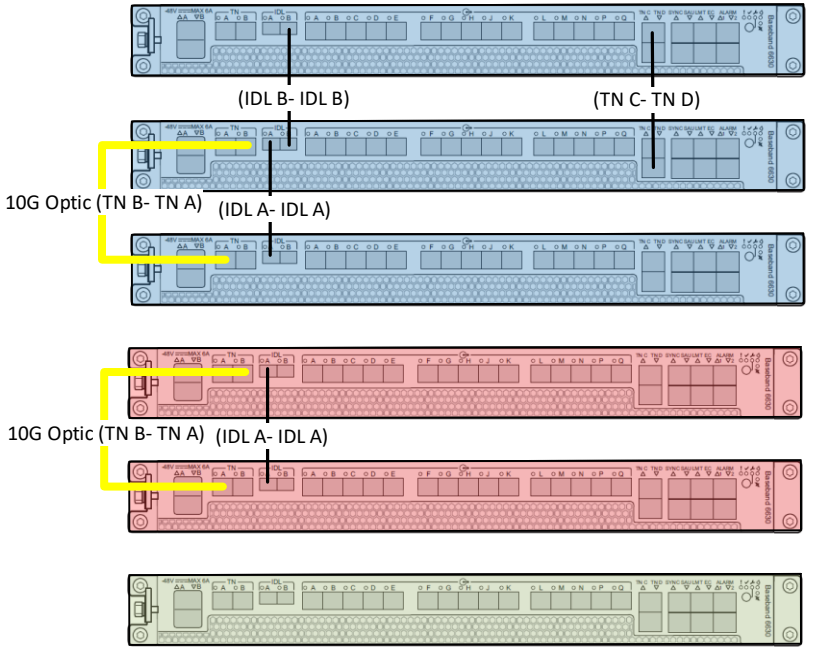
Sector 3 | Sector 2 | Sector 1




**Signal connections for 5G M-MiMO (MoRAN)**

Sector 3 | Sector 2 | Sector 1

# Transmission connections
# For MoRAN




**BB6630 TDD+FDD (TEF)**

**BB6630 4G/5G (TEF)**

**BB6630 5G (TEF)**

**BB6630 4G/5G (VF)**

**BB6630 5G (VF)**

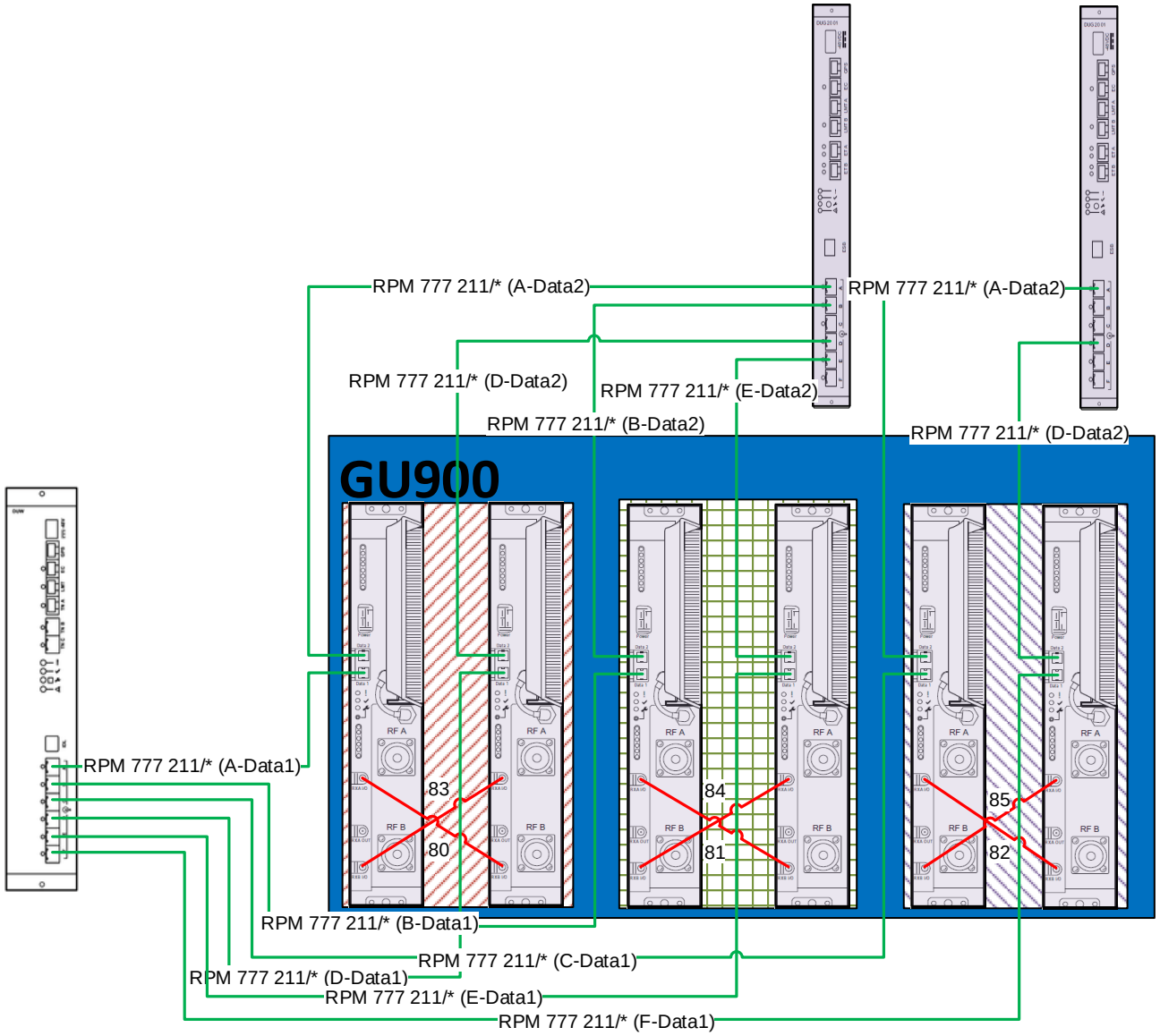
**BB6630 2G/3G (VF+TEF)**

CABLE INSTRUCTIONS

10G Optic (TN B-TN A) : RPM 253 3512/2000

Ethernet cable (TN C-TN D) : RPM 777 341/01400

IDLE cable (IDL A-IDL A) & (IDL B-IDL B) : RPM 777 417/00800

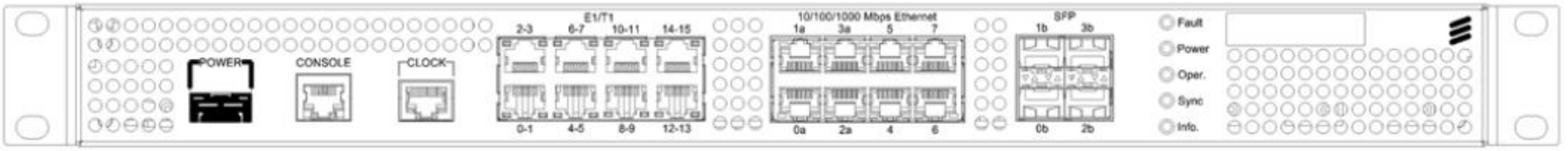



**Signal connections for GU900 20W (3-sector)**
**Low/Stealth/Small UL**

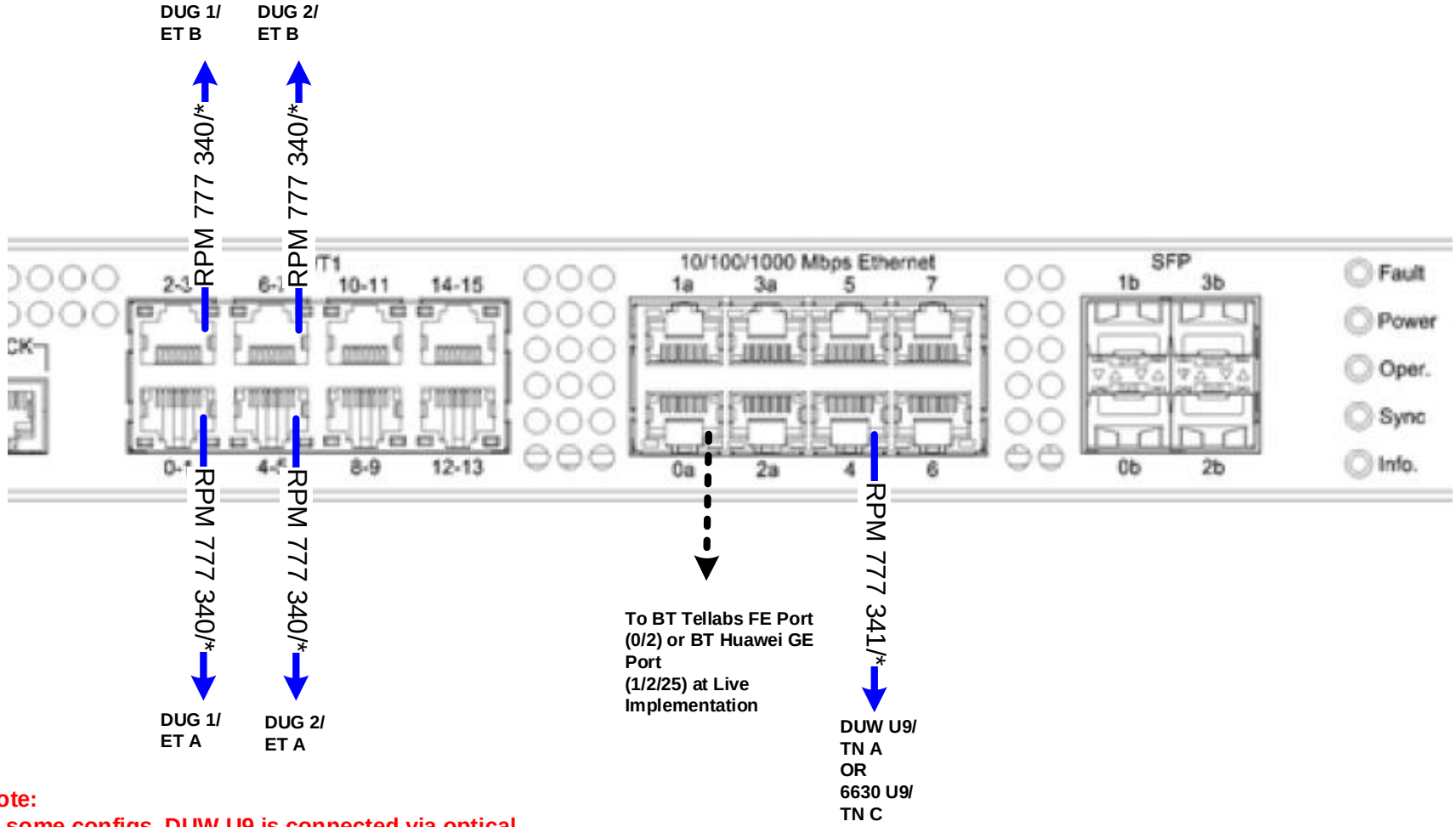
Items 80-85 - RPM 777 700/00130 (RXA I/O – RXB I/O)

Sector 3 | Sector 2 | Sector 1

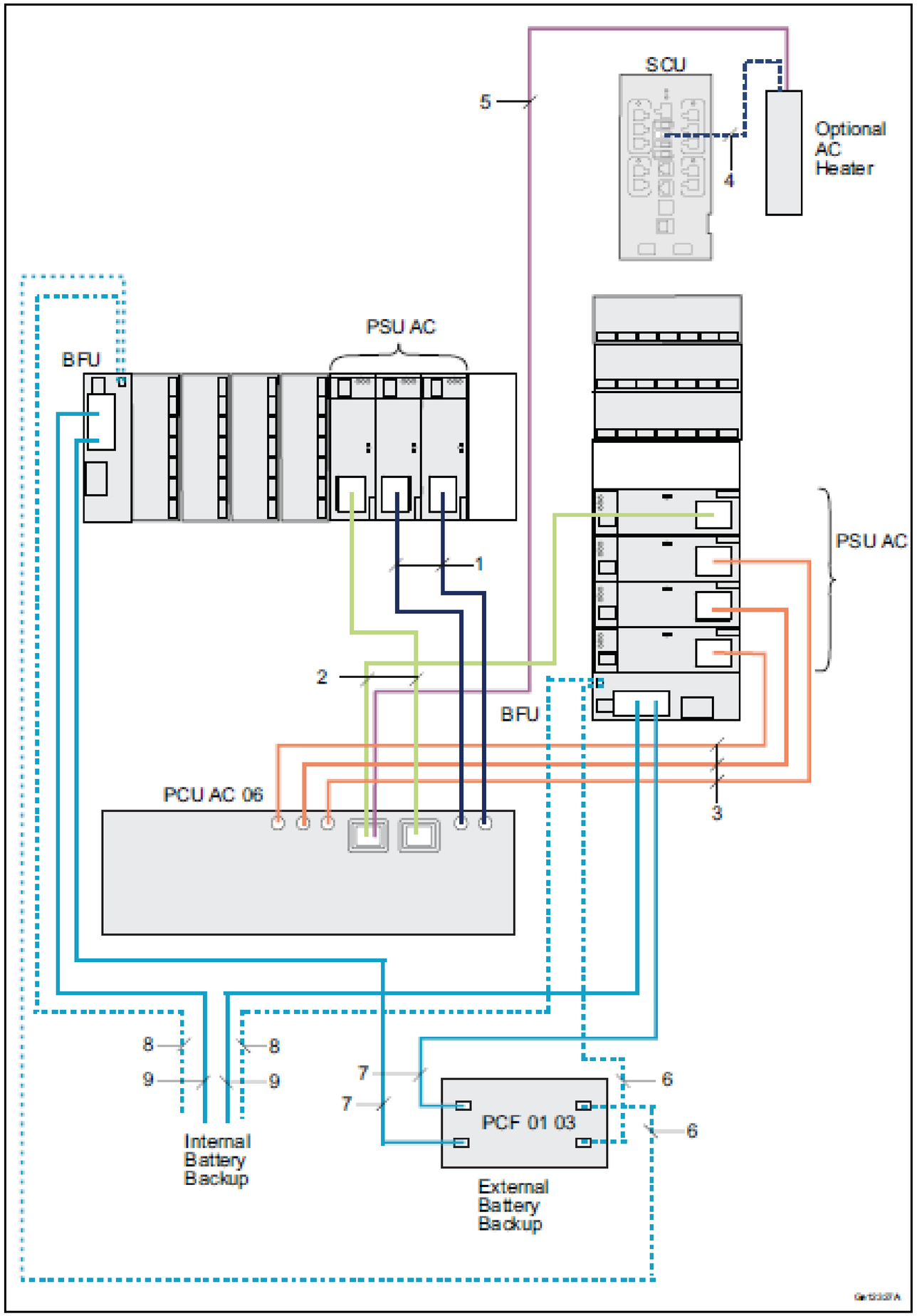
# Telefonica Beacon3 SIU connectivity




## SIU-A (Cabinet 1)




**Note:**
**In some configs, DUW U9 is connected via optical (GE3 on SIU and TN-B on DUW)**




# Internal power cabling

| Pos. | Connections | Qty. | Product No. |
|---|---|---|---|
| 1 | PCU AC 06 – PSU AC in 6, 7 | 2 | Included in PCU AC |
| 2 | PCU AC 06 outlet – PSU AC in 4, 5 | 2 | RPM 777 270/01000 |
| 3 | PCU AC 06 – PSU AC in 1, 2, 3 | 3 | Included in PCU AC |
| 4 | AC heater – SCU (Heater A - see Figure 6) | 1 | Included in AC heater |
| 5 | AC heater – PCU AC 06: AC out | 1 | |
| 6 | PCF 01 03 – BFU<br>(Temperature sensor cable) | 2 | RPM 777 171/01300 |
| 7 | PCF 01 03 – BFU | 2 | RPM 777 299/01300(1)<br>RPM 777 343/01200(2) |
| 8 | BFU – Battery string<br>(Temperature sensor cable) | 2 | RPM 777 346/01000 |
| 9 | BFU – Battery string<br>(Battery cable) | 2 | RPM 777 161 /01000 |

(1) Valid for only BFU 01 01.
(2) Valid for BFU 01 01, BFU 01 02 and BFU 01 03.

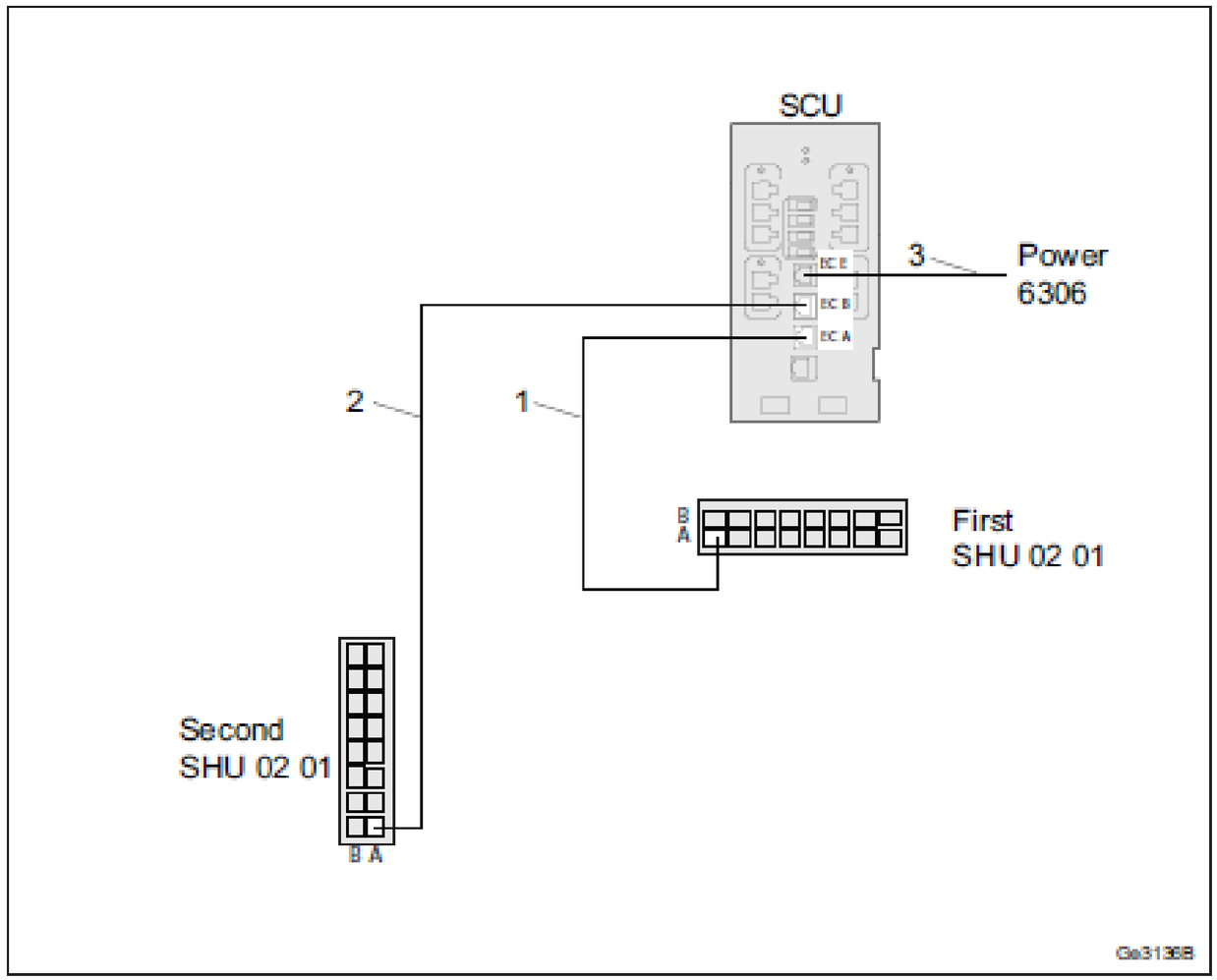
Notes:

RBS 6102 with PCU AC 06 and seven PSUs doesn't support AC heater. The AC port on the PSU AC, previously used for the AC heater, can be used to power the 7th PSU.

Leave the AC heater disconnected on site for now and this needs to be replaced with a DC heater for future upgrades as per availability in stock.

The BFU-2 will not be connected to the internal battery as part of the upgrade therefore the cables are not included in BoM.

# SHU Cabling & Port Configuration




| Pos. | Connections SHU 02 01 | Qty. | Product No. |
|---|---|---|---|
| 1 | First SHU 02 01: A1 – SCU: EC-bus A | 1 | RPM 777 01/00400 |
| 2 | Second SHU 02 01: A1 – SCU EC-bus B | 1 | RPM 777 01/01000 |
| 3 | Power 6306: EC Ext – SCU EC- bus E | 1 | RPM 777 562/L |

## SHU 1

| Port A | Used by | Port B | Used by |
|---|---|---|---|
| A1 | SCU (EC A) | B1 | DU-1/ Baseband-1 |
| A2 | PDU-1 | B2 | PDU-2 |
| A3 | PSU-1 | B3 | PSU-2 |
| A4 | PSU-3 | B4 | PSU-4/PDU-6 |
| A5 | DU-2/ Baseband-2 | B5 | BFU-1 |
| A6 | DU-3/ Baseband-3 | B6 | PSU-5/PDU-7 |
| A7 | DU-4/ Baseband-4 | B7 | PDU-3/PSU-7 |
| A8 | PDU-4/PSU-8 | B8 | - |

## SHU 2

| Port A | Used by | Port B | Used by |
|---|---|---|---|
| A1 | SCU (EC B) | B1 | - |
| A2 | DU-5/ Baseband-5 | B2 | PSU-6 |
| A3 | DU-6/ Baseband-6 | B3 | PDU-5 |
| A4 | - | B4 | PSU-4/PDU-6 |
| A5 | BFU-2 | B5 | PDU-8 |
| A6 | - | B6 | PSU-5/PDU-7 |
| A7 | - | B7 | PDU-3/PSU-7 |
| A8 | PDU-4/PSU-8 | B8 | - |