

Центр 2G/3G/4G/5G



Configuration Schemes 24.01.2020

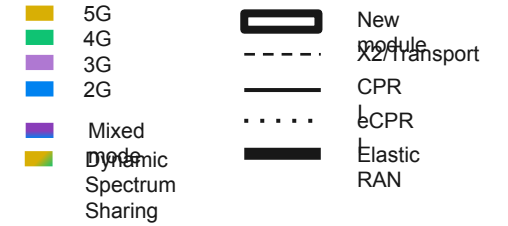
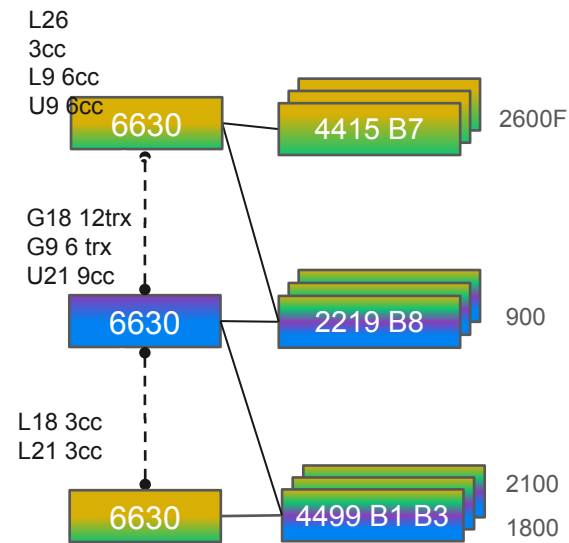
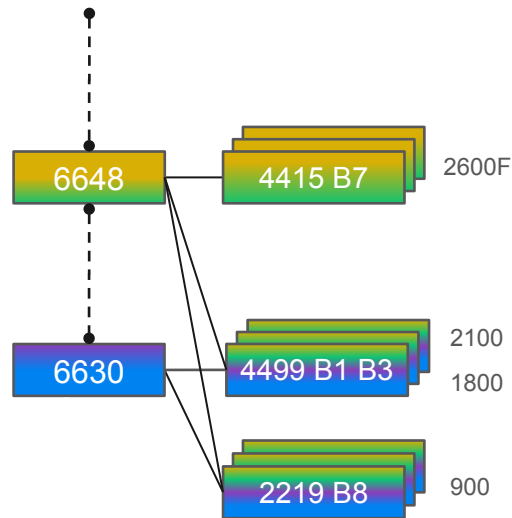
A1.1.2.

2T2R GWL9; 4T4R GL18, WL21, L26F

BB 6648 (1) LTE+NR
LTE 15 CC (600 ABW) + NR 15 CC (600 ABW)
LTE+NR FDD 5Mhz: 33+33
HUP: 2

BB 6630 (2)
WCDMA: 12CC
GSM: 24TRX
HUP: 2

Radio Power 20W HWAC: 81
CPRI links: 15
Transport: 10 Gbit



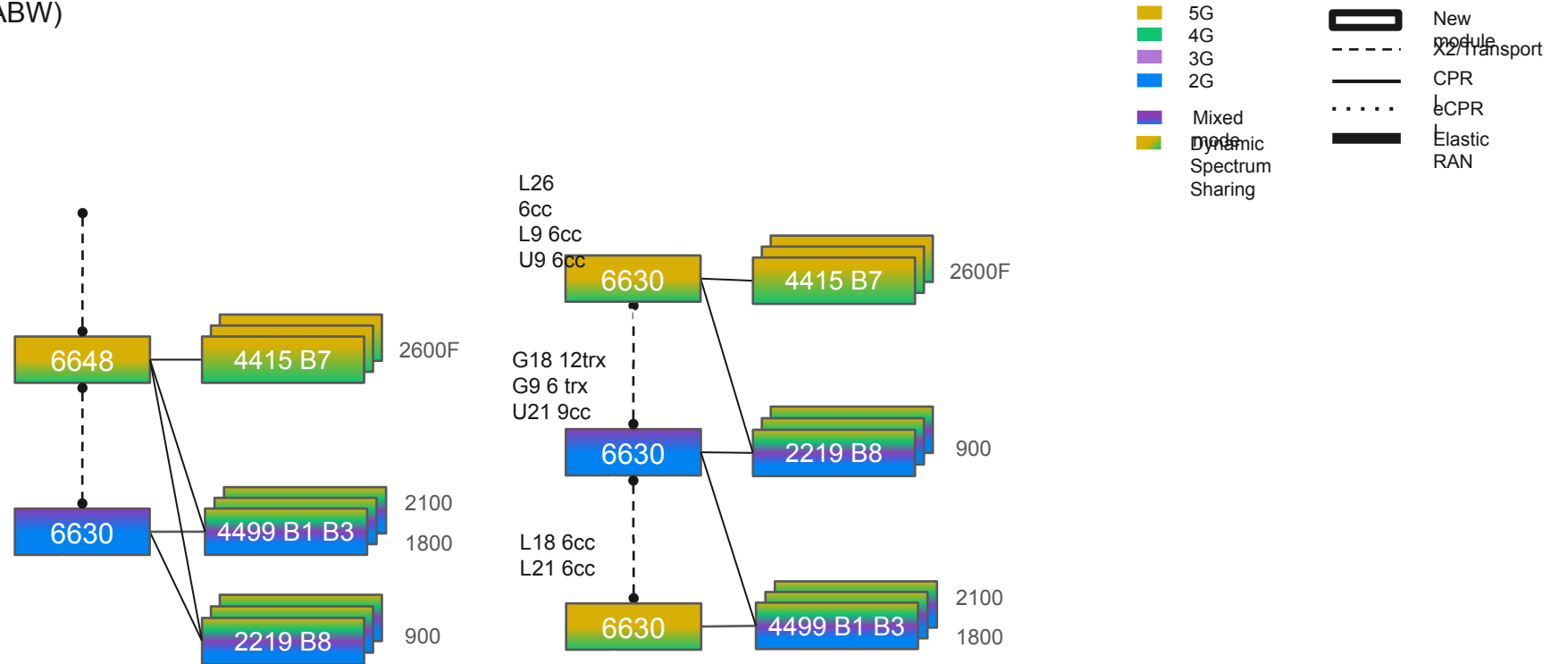
A1.1.2. KTY

2T2R GWL9; 4T4R GL18, WL21, L26F

BB 6648 (1) LTE+NR
 LTE 24 CC (1020 ABW) + NR 24 CC (1020 ABW)
 LTE+NR FDD 5Mhz: 54+54
 MHUP: 1
 HUP: 2

BB 6630 (2)
 WCDMA: 12CC
 GSM: 24TRX
 HUP: 2

Radio Power 20W HWAC: 81
 CPRI links: 15
 Transport: 10 Gbit



A1.1.2. Ivanovo

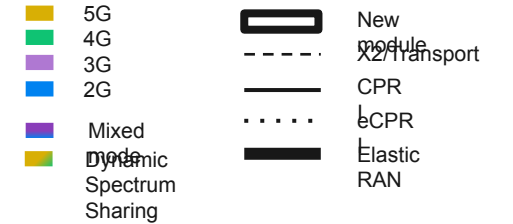
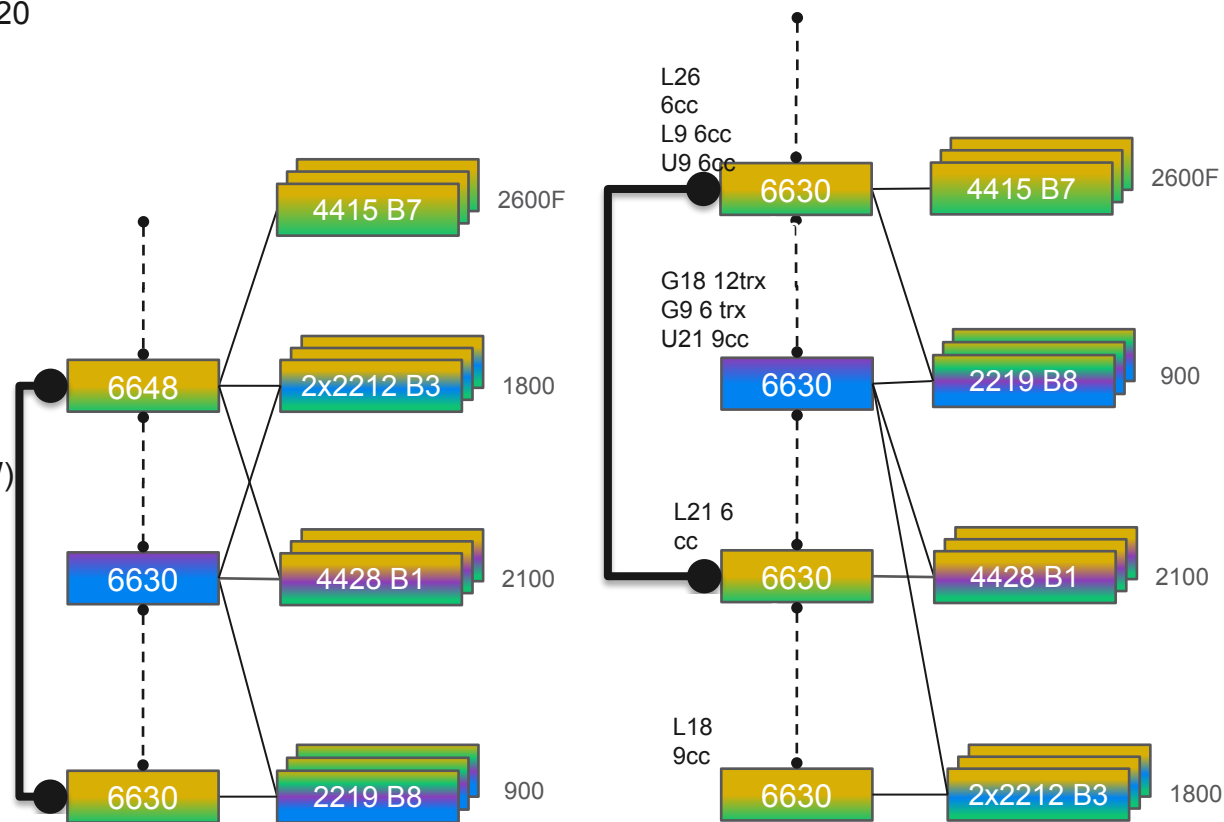
2T2R GWL9; 4T4R GL18, WL21, L26F

BB 6648 (1) LTE+NR
 LTE 27 CC (1020 ABW) + NR 27 CC (1020 ABW)
 LTE+NR FDD 5Mhz: 51+51
 MHUP: 1
 HUP: 2

BB 6630 (2)
 WCDMA: 12CC
 GSM: 24TRX
 HUP: 2

BB 6630 (3) LTE+NR
 LTE 6 CC (60 ABW) + NR 6 CC (60 ABW)
 LTE+NR FDD 5Mhz: 6+6
 HUP: 0

Radio Power 20W HWAC: 105
 CPRI links: 21
 CPRI cascade: 3
 Transport: 10 Gbit; Xcede cable



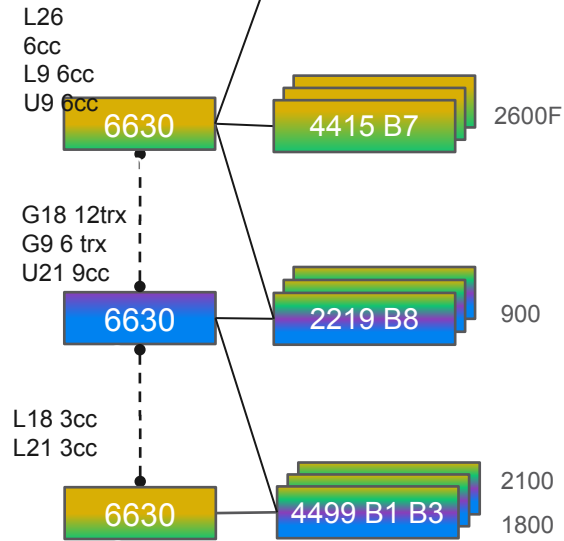
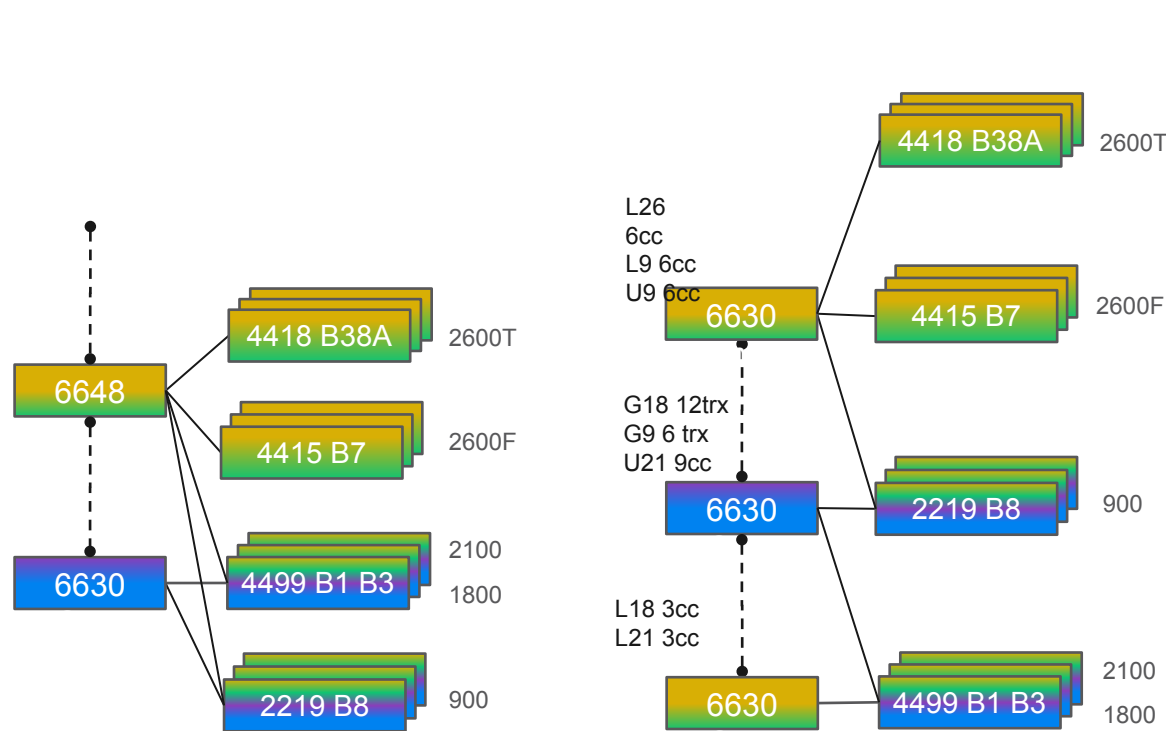
A1.1.2.+A1.3.1.

2T2R GWL9; 4T4R GL18, WL21, L26F, L26T

BB 6648 (1) LTE+NR
LTE 18 CC (840 ABW) + NR 18 CC (840 ABW)
LTE+NR FDD 5Mhz HWAC: 33+33
LTE+NR TDD 5Mhz HWAC: 12+12
MHUP: 1

BB 6630 (2) WCDMA+GSM
WCDMA: 12CC
GSM: 24TRX
HUP: 2

Radio Power 20W HWAC: 99
CPRI links: 18
Transport: 10 Gbit



A1.1.2.+A1.3.1. KTY

2T2R GWL9; 4T4R GL18, WL21, L26F, L26T

BB 6648 (1) LTE+NR

LTE 30 CC (1200 ABW) + NR 30 CC (1200 ABW)

LTE+NR FDD 5Mhz HWAC: 36+36

LTE+NR TDD 5Mhz HWAC: 24+24

MHUP: 1

HUP: 4

BB 6630 (2) LTE+NR

LTE 12 CC (300 ABW) + NR 12 CC (300 ABW)

LTE+NR FDD 5Mhz HWAC: 18+18

HUP: 4

BB 6630 (3) WCDMA+GSM

WCDMA: 12CC;

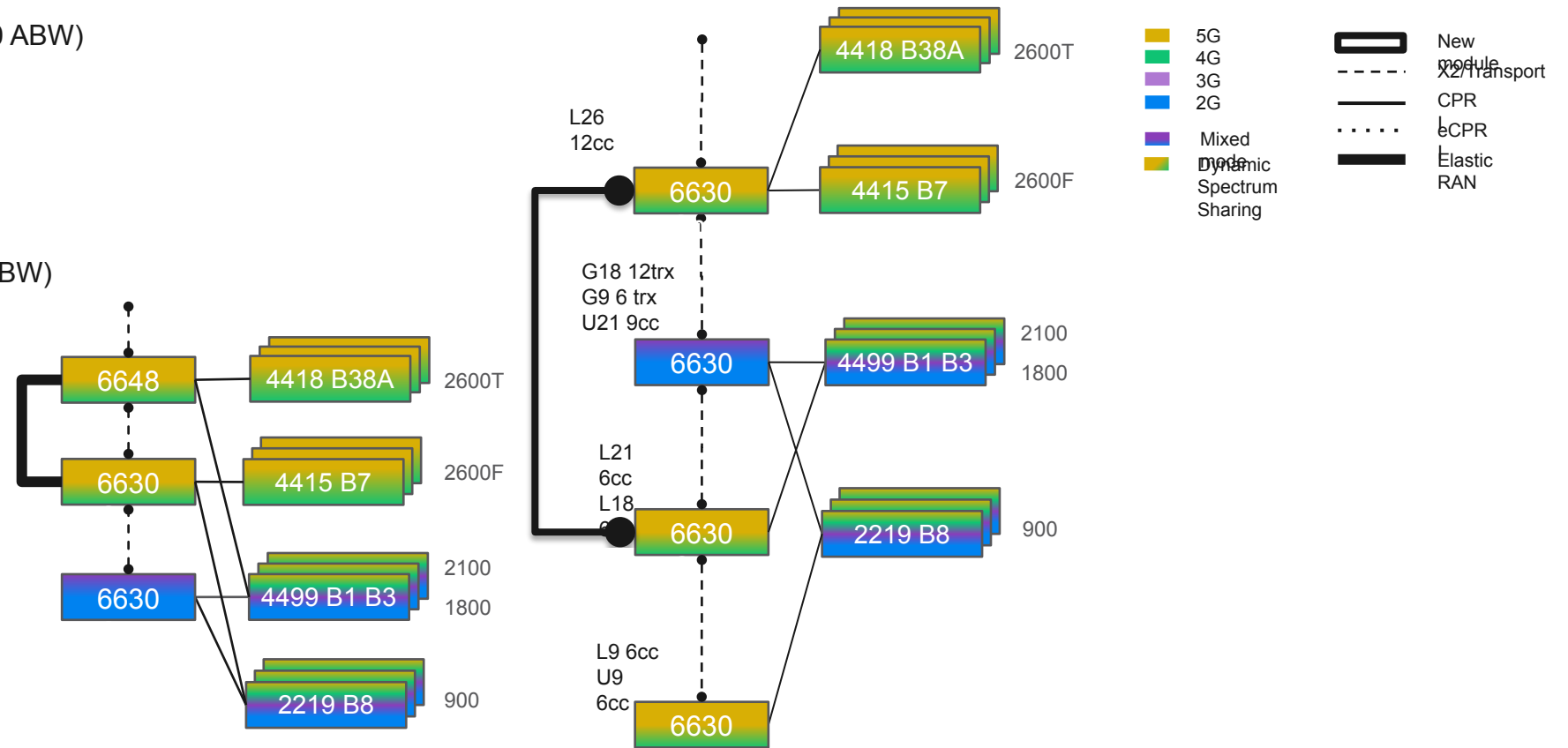
GSM: 24TRX

HUP: 2

Radio Power 20W HWAC: 99

CPRI links: 18

Transport: 10 Gbit; XCede cable



A1.1.2.+A1.3.1. Ivanovo

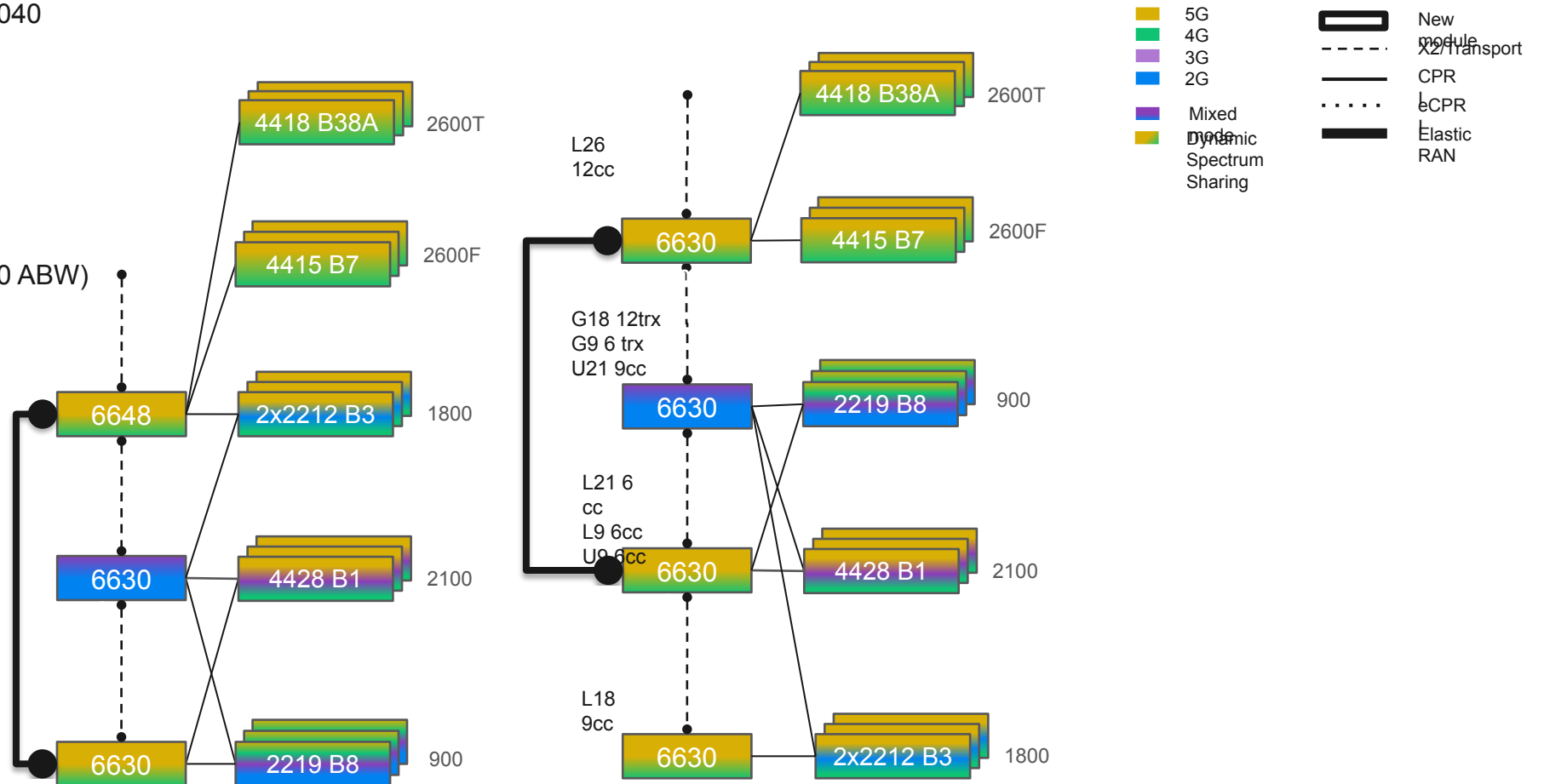
2T2R GWL9; 4T4R GL18, WL21, L26F, L26T

BB 6648 (1) LTE+NR
 LTE 33 CC (1040 ABW) + NR 33 CC (1040 ABW)
 LTE+NR FDD 5Mhz HWAC: 33+33
 LTE+NR TDD 5Mhz HWAC: 24+24
 MHUP: 1
 HUP: 2

BB 6630 (3) LTE+NR
 LTE 12 CC (420 ABW) + NR 12 CC (420 ABW)
 LTE+NR FDD 5Mhz: 24+24
 HUP: 6

BB 6630 (2)
 WCDMA: 12CC
 GSM: 24TRX
 HUP: 2

Radio Power 20W HWAC: 105
 CPRI links: 24
 CPRI cascade: 3
 Transport: 10 Gbit; Xcede cable



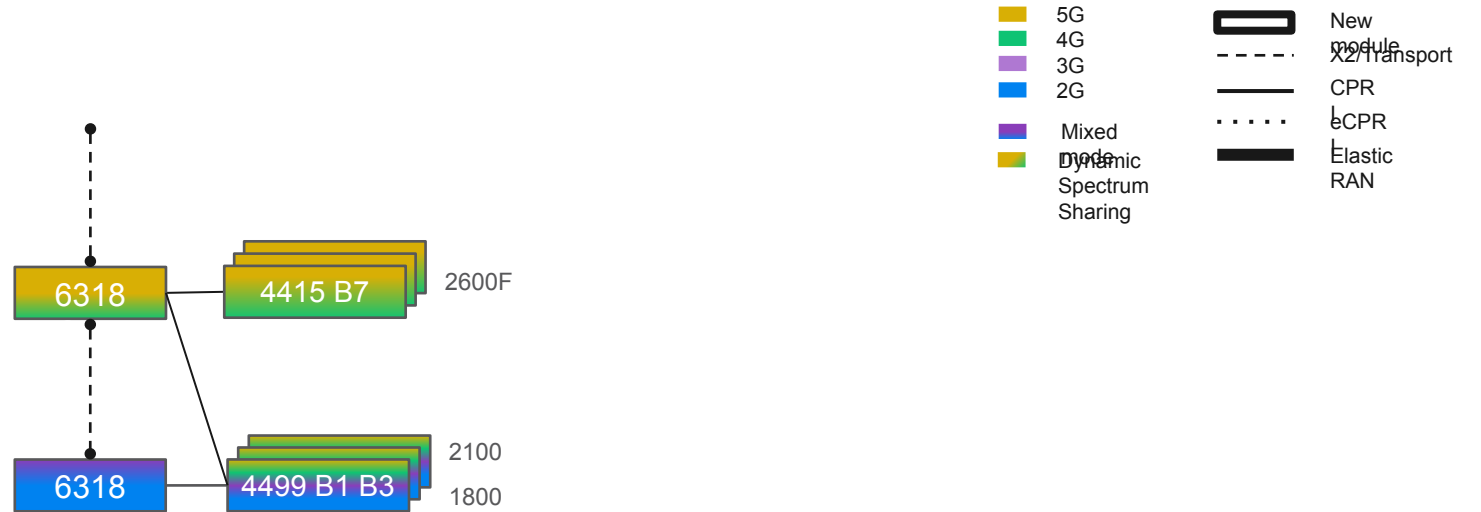
A1.2.1.

4T4R GL18, WL21, L26F

BB 6318 (1) LTE+NR
LTE 9 CC (540 ABW) + NR 9 CC (540 ABW)
LTE+NR FDD 5Mhz HWAC: 27+27
MHUP: 1

BB 6318 (2) WCDMA+GSM
WCDMA: 9CC
GSM: 12TRX
HUP: 2

Radio Power 20W HWAC: 66
CPRI links: 9
Transport: 1 Gbit



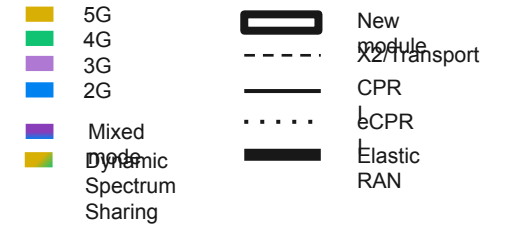
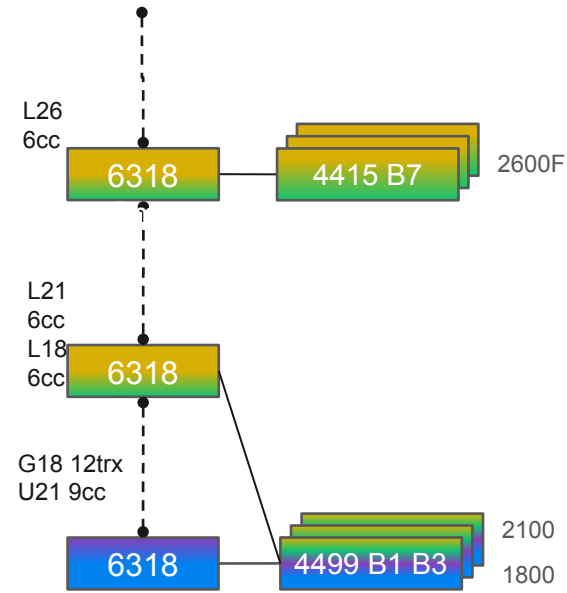
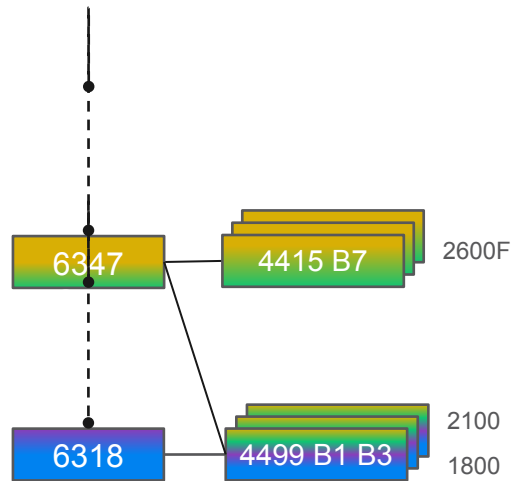
A1.2.1. KTY

4T4R GL18, WL21, L26F

BB 6347 (1) LTE+NR
 LTE 18 CC (960 ABW) + NR 18 CC (960 ABW)
 LTE+NR FDD 5Mhz HWAC: 48+48
 MHUP: 1

BB 6318 (2) WCDMA+GSM
 WCDMA: 9CC
 GSM: 12TRX
 HUP: 2

Radio Power 20W HWAC: 66
 CPRI links: 9
 Transport: 10 Gbit



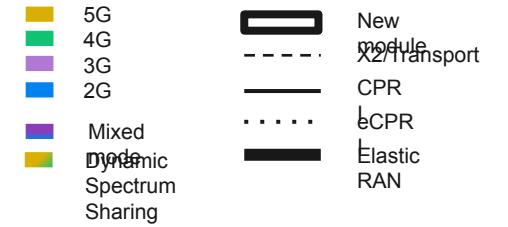
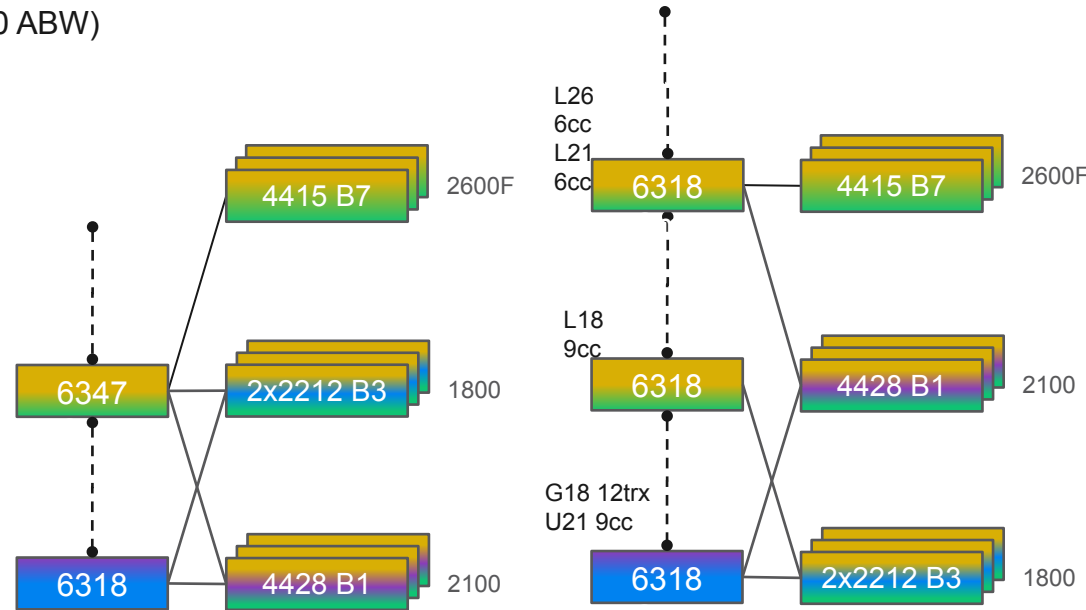
A1.2.1. Ivanovo

4T4R GL18, WL21, L26F

BB 6347 (1) LTE+NR
 LTE 21 CC (1020 ABW) + NR 21 CC (1020 ABW)
 LTE+NR FDD 5Mhz HWAC: 51+51
 MHUP: 1
 HUP: 2

BB 6318 (2) WCDMA+GSM
 WCDMA: 9CC
 GSM: 12TRX
 HUP: 2

Radio Power 20W HWAC: 90
 CPRI links: 15
 CPRI cascade: 3
 Transport: 10 Gbit



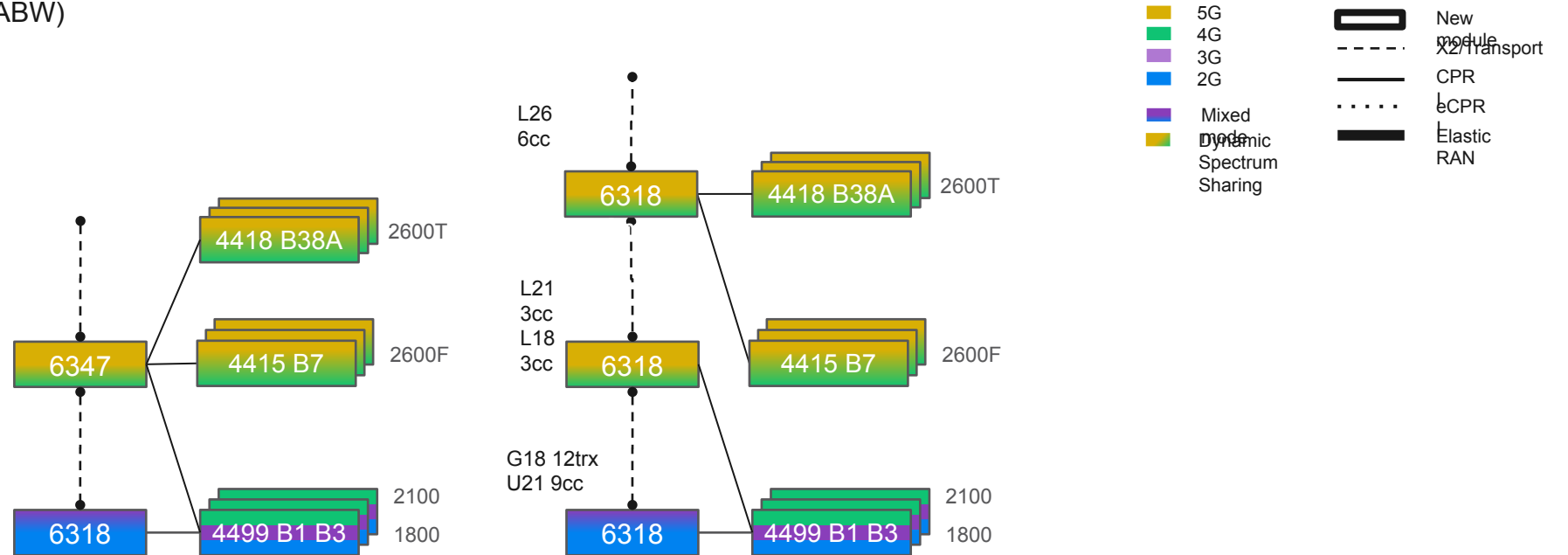
A1.2.2.

4T4R GL18, WL21, L26F; L26T

BB 6347 (1) LTE+NR
 LTE 12 CC (780 ABW) + NR 12 CC (780 ABW)
 LTE+NR FDD 5Mhz HWAC: 27+27
 LTE+NR TDD 5Mhz HWAC: 12+12
 MHUP: 1

BB 6318 (2) WCDMA+GSM
 WCDMA: 9CC
 GSM: 12TRX
 HUP: 2

Radio Power 20W HWAC: 87
 CPRI links: 12
 Transport: 10 Gbit



A1.2.2. KTY

4T4R GL18, WL21, L26F; L26T

BB 6347 (1) LTE+NR

LTE 24 CC (1440 ABW) + NR 24 CC (1440 ABW)

LTE+NR FDD 5Mhz HWAC: 48+48

LTE+NR TDD 5Mhz HWAC: 24+24

MHUP: 2

BB 6318 (2) WCDMA+GSM

WCDMA: 9CC

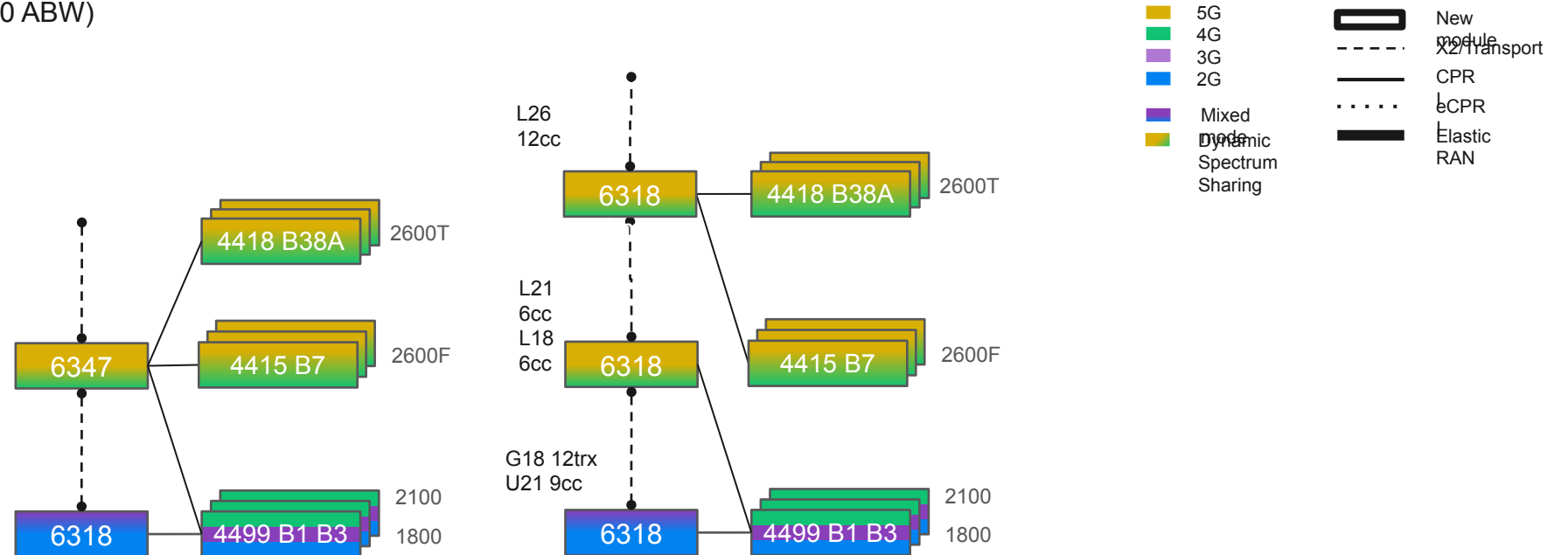
GSM: 12TRX

HUP: 2

Radio Power 20W HWAC: 87

CPRI links: 12

Transport: 10 Gbit



A1.2.2. Ivanovo

4T4R GL18, WL21, L26F, L26T

BB 6347 (1) LTE+NR

LTE 27 CC (1140 ABW) + NR 27 CC (1140 ABW)

LTE+NR FDD 5Mhz HWAC: 33+33

LTE+NR TDD 5Mhz HWAC: 24+24

MHUP: 1

HUP: 3

BB 6630 (2) LTE+NR

LTE 12 CC (360 ABW) + NR 12 CC (360 ABW)

LTE+NR FDD 5Mhz: 18+18

HUP: 5

BB 6318 (3) WCDMA+GSM

WCDMA: 9CC

GSM: 12TRX

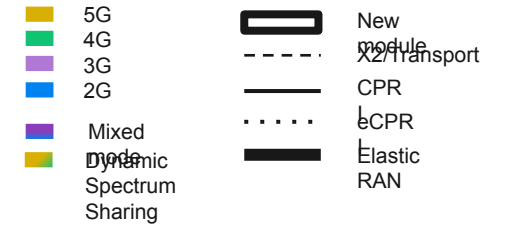
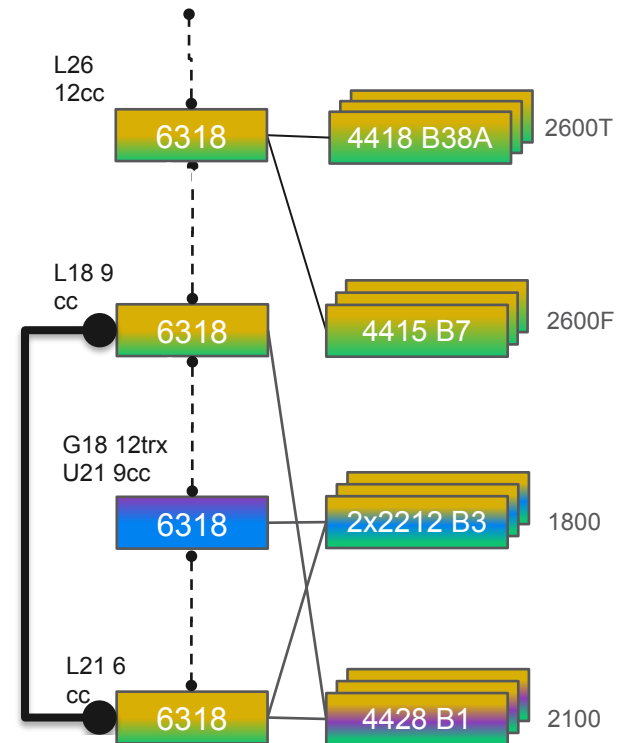
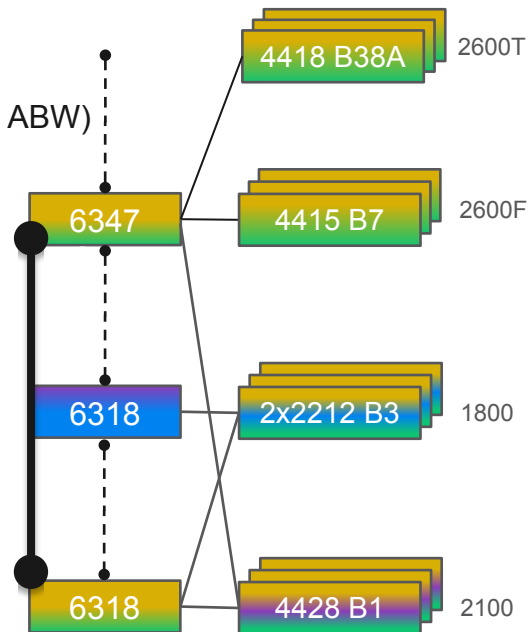
HUP: 2

Radio Power 20W HWAC: 90

CPRI links: 18

CPRI cascade: 3

Transport: 10 Gbit



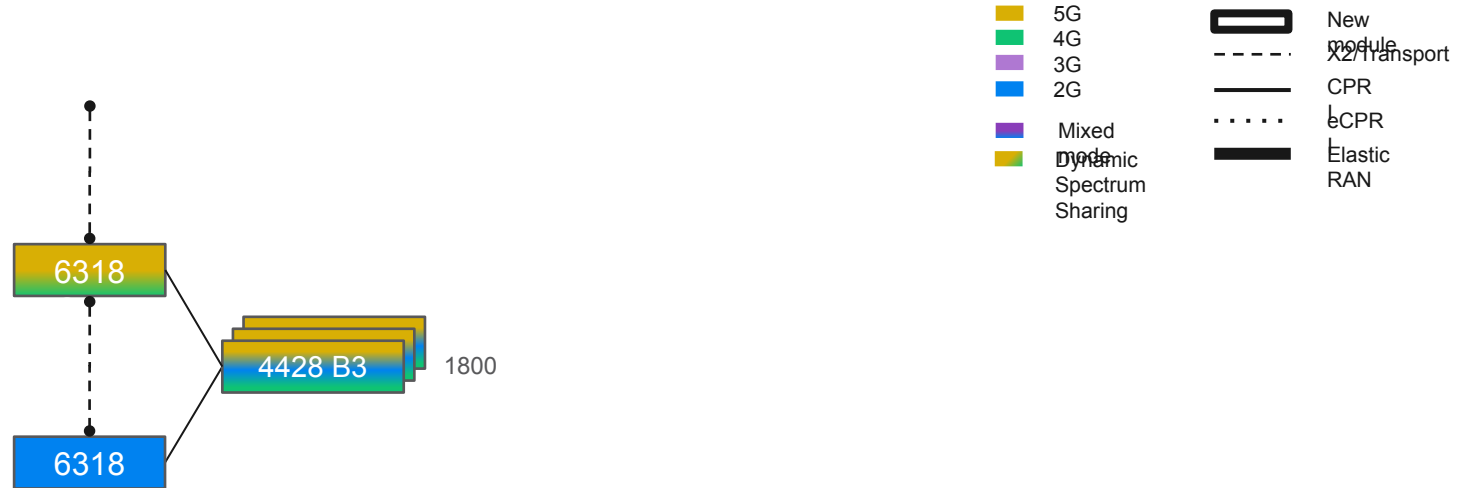
A1.2.4.

4T4R GL18

BB 6318 (1) LTE+NR
LTE 3 CC (240 ABW) + NR 3 CC (240 ABW)
LTE+NR FDD 5Mhz: 12+12
HUP: 3

BB 6318 (2)
GSM: 12TRX

Radio Power 20W HWAC: 21
CPRI links: 6
Transport: 1 Gbit



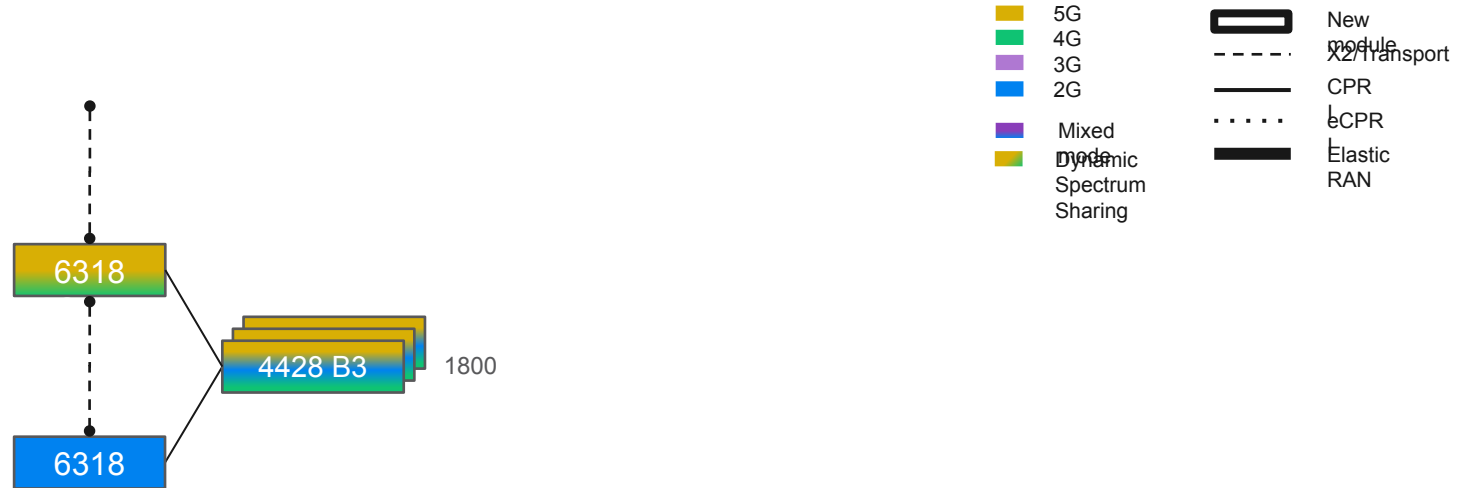
A1.2.4. KTY

4T4R GL18

BB 6318 (1) LTE+NR
LTE 6 CC (360 ABW) + NR 6 CC (360 ABW)
LTE+NR FDD 5Mhz: 18+18
HUP: 5

BB 6318 (2)
GSM: 12TRX

Radio Power 20W HWAC: 21
CPRI links: 6
Transport: 1 Gbit



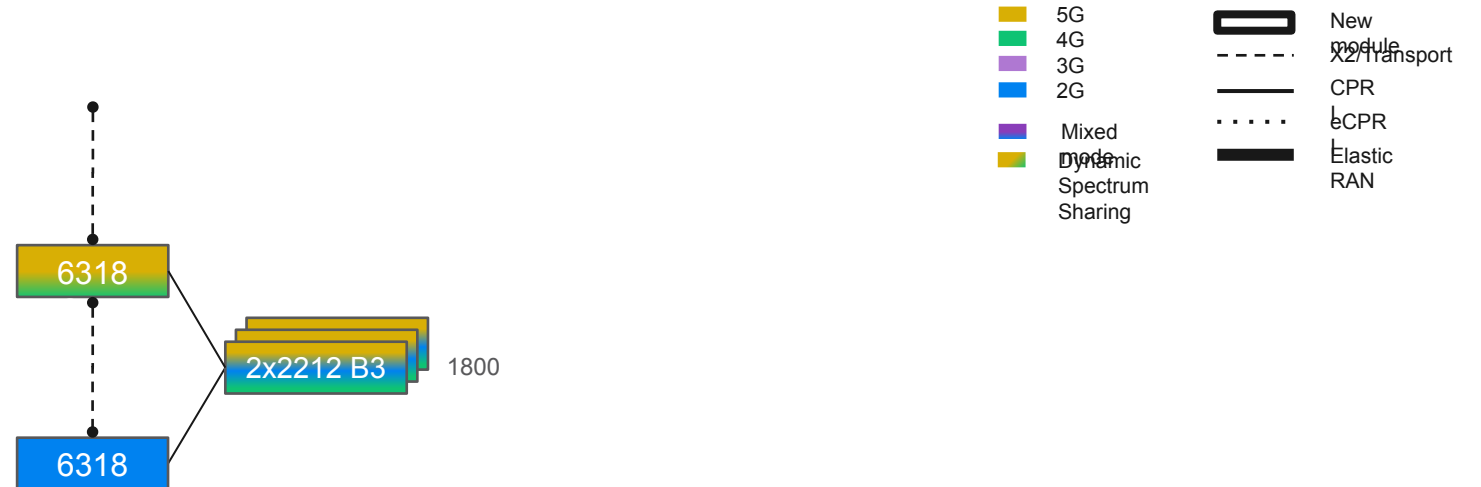
A1.2.4. Ivanovo

4T4R GL18

BB 6318 (1) LTE+NR
LTE 9 CC (420 ABW) + NR 9 CC (420 ABW)
LTE+NR FDD 5Mhz: 21+21
HUP: 6

BB 6318 (2)
GSM: 12TRX

Radio Power 20W HWAC: 45
CPRI links: 6
CPRI cascade: 3
Transport: 1 Gbit



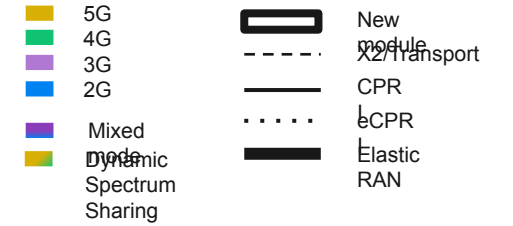
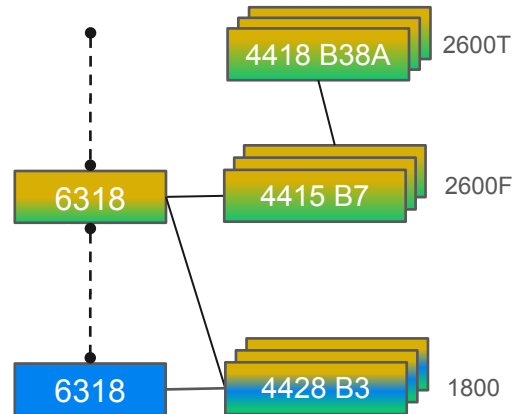
A1.2.4.+A1.2.6.+A1.3.1.

4T4R GL18, L26F, L26T

BB 6318 (1) LTE+NR
LTE 9 CC (600 ABW) + NR 9 CC (600 ABW)
LTE+NR FDD 5Mhz HWAC: 18+18
LTE+NR TDD 5Mhz HWAC: 12+12
HUP: 2

BB 6318 (2) GSM
GSM: 12TRX

Radio Power 20W HWAC: 43
CPRI links: 12
Transport: 10 Gbit



A1.2.4.+A1.2.6.+A1.3.1. KTY

4T4R GL18, L26F, L26T



BB 6347 (1) LTE+NR

LTE 18 CC (1080 ABW) + NR 18 CC (1080 ABW)

LTE+NR FDD 5Mhz HWAC: 30+30

LTE+NR TDD 5Mhz HWAC: 24+24

MHUP: 1

HUP: 2

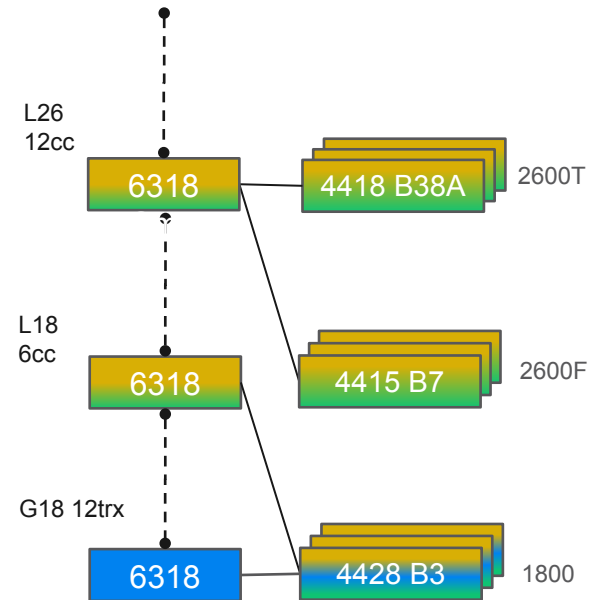
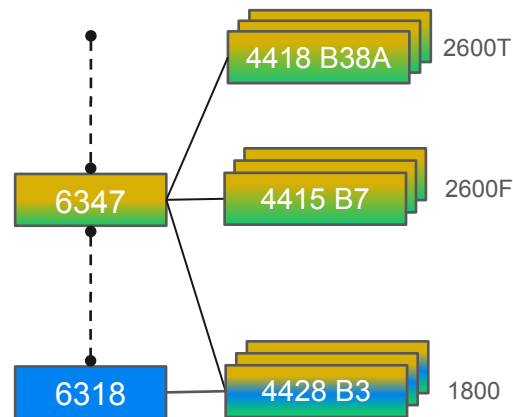
BB 6318 (2) GSM

GSM: 12TRX

Radio Power 20W HWAC: 43

CPRI links: 12

Transport: 10 Gbit



	5G		New module
	4G		X2/transport
	3G		CPR
	2G		eCPR
	Mixed		Elastic RAN
	Dynamic Spectrum Sharing		

A1.2.4.+A1.3.1.

4T4R GL18, L26T

BB 6347 (1) LTE+NR

LTE 12 CC (840 ABW) + NR 12 CC (840 ABW)

LTE+NR FDD 5Mhz HWAC: 18+18

LTE+NR TDD 5Mhz HWAC: 24+24

HUP: 6

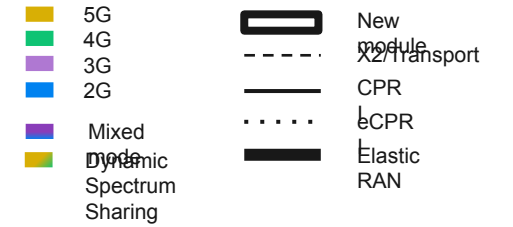
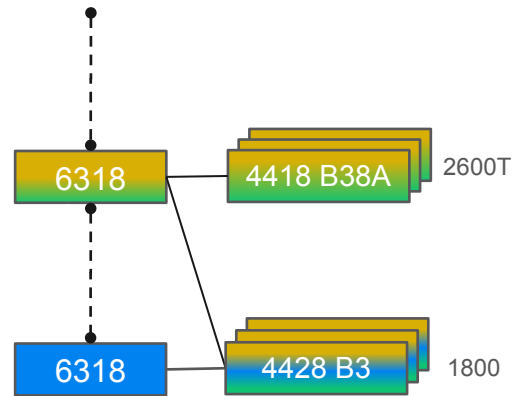
BB 6318 (2) GSM

GSM: 12TRX

Radio Power 20W HWAC: 48

CPRI links: 9

Transport: 10 Gbit



A1.2.4.+A1.3.1. KTY пересмотреть ББ

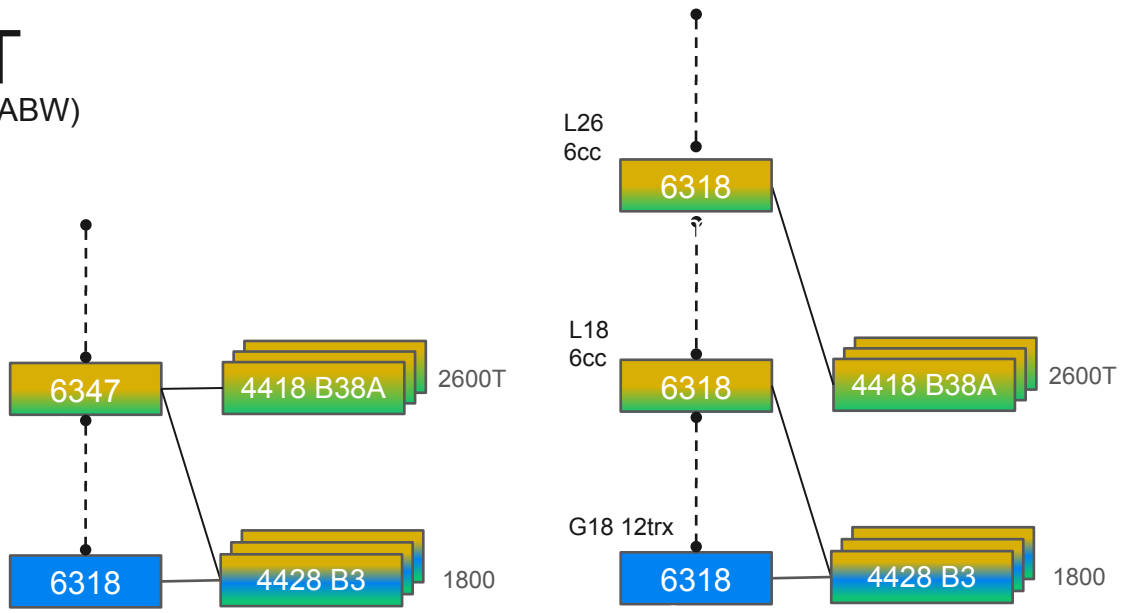


4T4R GL18, L26T

BB 6347 (1) LTE+NR
 LTE 12 CC (840 ABW) + NR 12 CC (840 ABW)
 LTE+NR FDD 5Mhz HWAC: 18+18
 LTE+NR TDD 5Mhz HWAC: 24+24
 HUP: 6

BB 6318 (2) GSM
 GSM: 12TRX

Radio Power 20W HWAC: 48
 CPRI links: 9
 Transport: 10 Gbit



	5G		New module
	4G		X2/transport
	3G		CPR
	2G		eCPR
	Mixed		Elastic RAN
	Dynamic Spectrum Sharing		

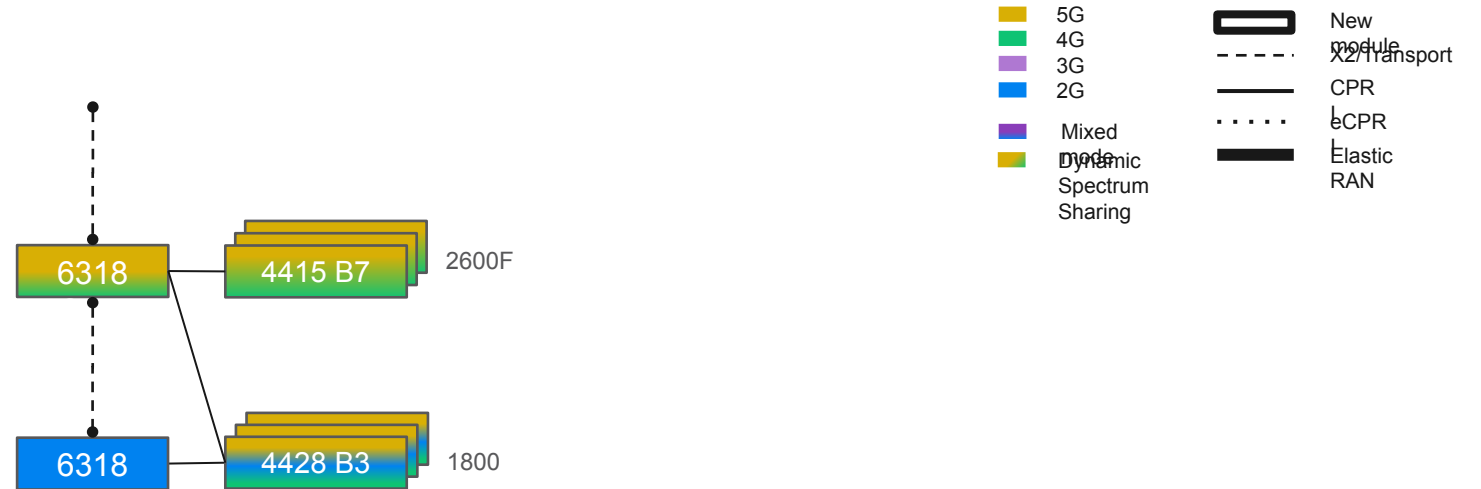
A1.2.4. + A1.2.6.

4T4R GL18, L26F

BB 6318 (1) LTE+NR
LTE 6 CC (420 ABW) + NR 6 CC (360 ABW)
LTE+NR FDD 5Mhz: 18+18
HUP: 6

BB 6318 (2)
GSM: 12TRX

Radio Power 20W HWAC: 42
CPRI links: 9
Transport: 1 Gbit



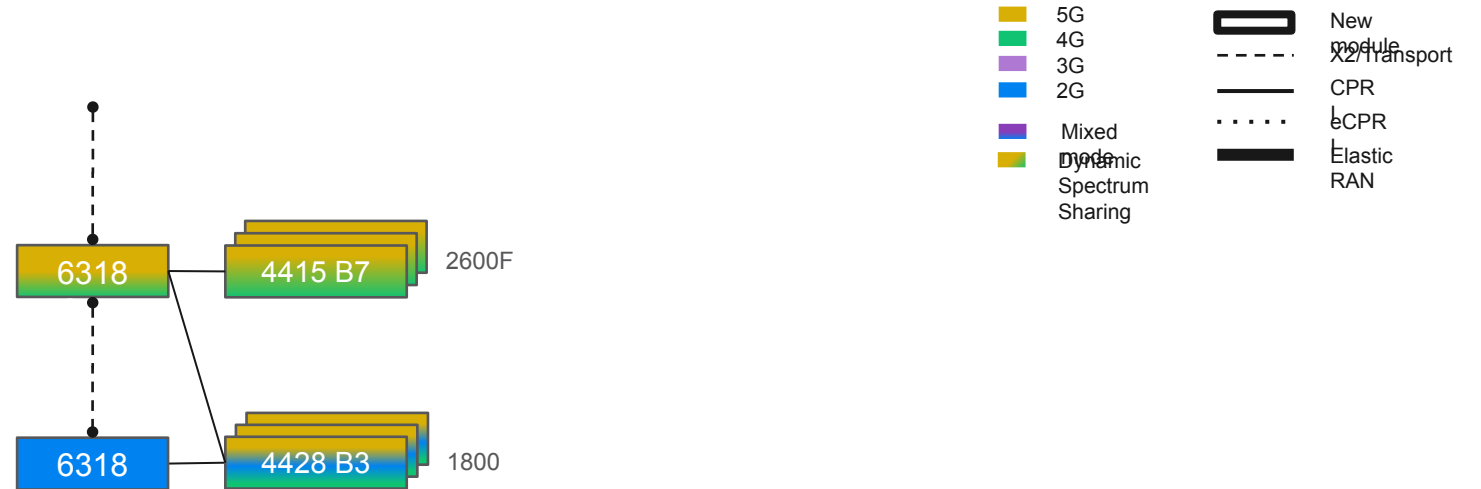
A1.2.4. + A1.2.6. KTY

4T4R GL18, L26F

BB 6318 (1) LTE+NR
LTE 12 CC (600 ABW) + NR 12 CC (600 ABW)
LTE+NR FDD 5Mhz: 30+30
MHUP: 1
HUP:1

BB 6318 (2)
GSM: 12TRX

Radio Power 20W HWAC: 42
CPRI links: 9
Transport: 1 Gbit



A1.2.4. + A1.2.6. Ivanovo

4T4R GL18, L26F

BB 6318 (1) LTE+NR

LTE 12 CC (600 ABW) + NR 12 CC (600 ABW)

LTE+NR FDD 5Mhz: 30+30

MHUP: 1

HUP:1

BB 6318 (2)

GSM: 12TRX

Radio Power 20W HWAC: 42

CPRI links: 9

Transport: 1 Gbit



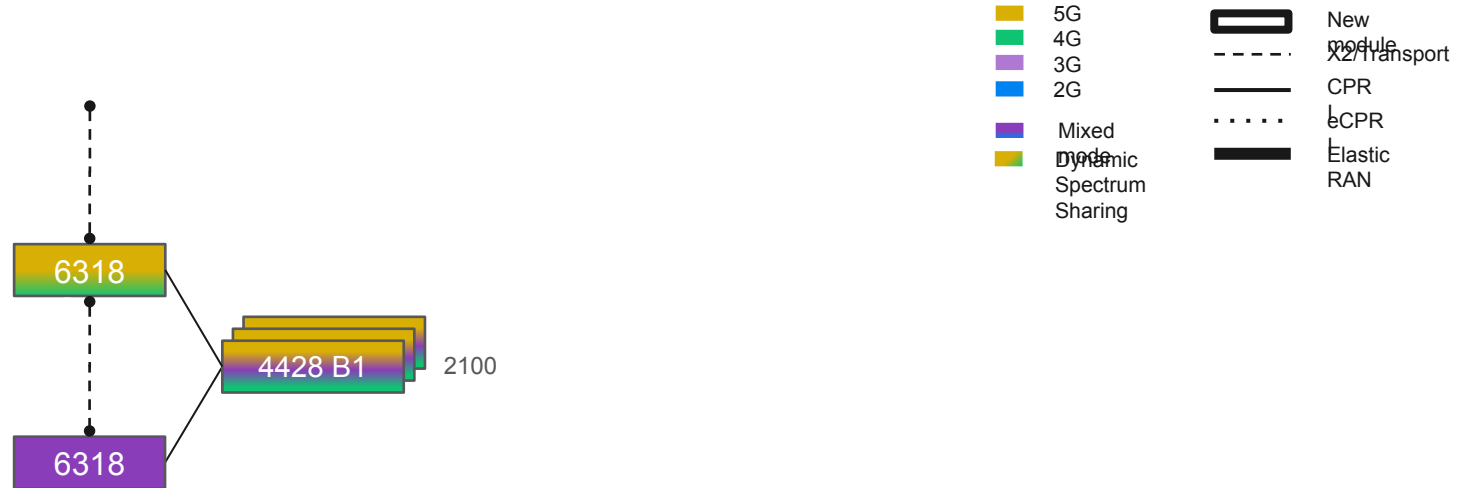
A1.2.5.

4T4R WL21

BB 6318 (1) LTE+NR
LTE 3 CC (180 ABW) + NR 3 CC (180 ABW)
LTE+NR FDD 5Mhz: 9+9
HUP: 2

BB 6318 (2)
WCDMA: 9CC
HUP: 1

Radio Power 20W HWAC: 21
CPRI links: 6
Transport: 1 Gbit



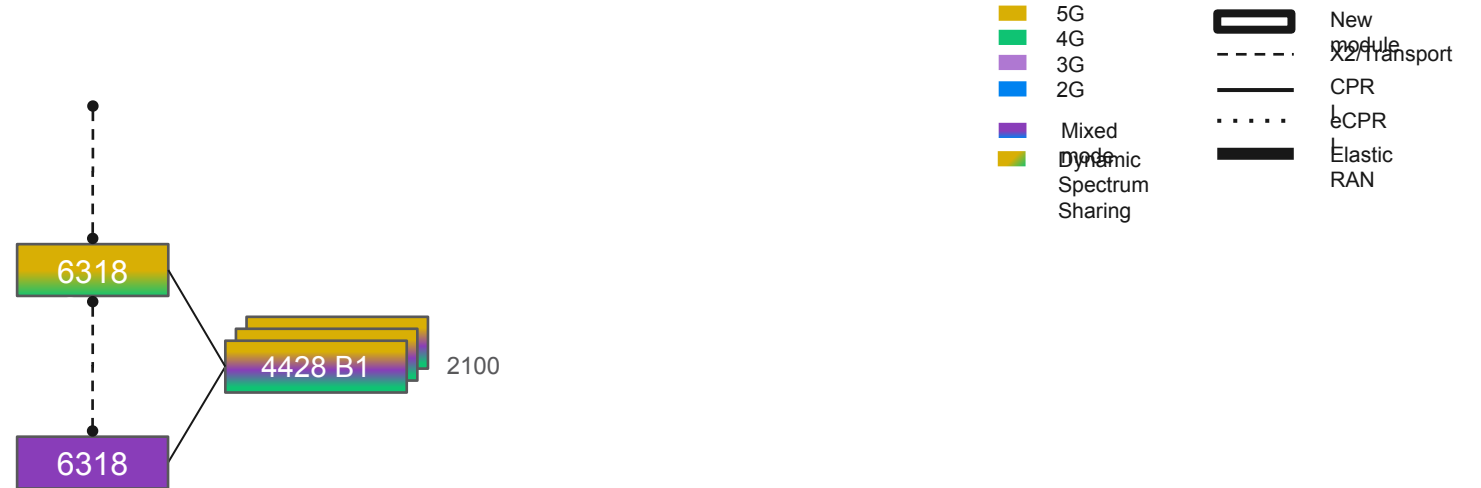
A1.2.5. KTY

4T4R WL21

BB 6318 (1) LTE+NR
LTE 6 CC (360 ABW) + NR 6 CC (360 ABW)
LTE+NR FDD 5Mhz: 18+18
HUP: 5

BB 6318 (2)
WCDMA: 9CC
HUP: 1

Radio Power 20W HWAC: 21
CPRI links: 6
Transport: 1 Gbit



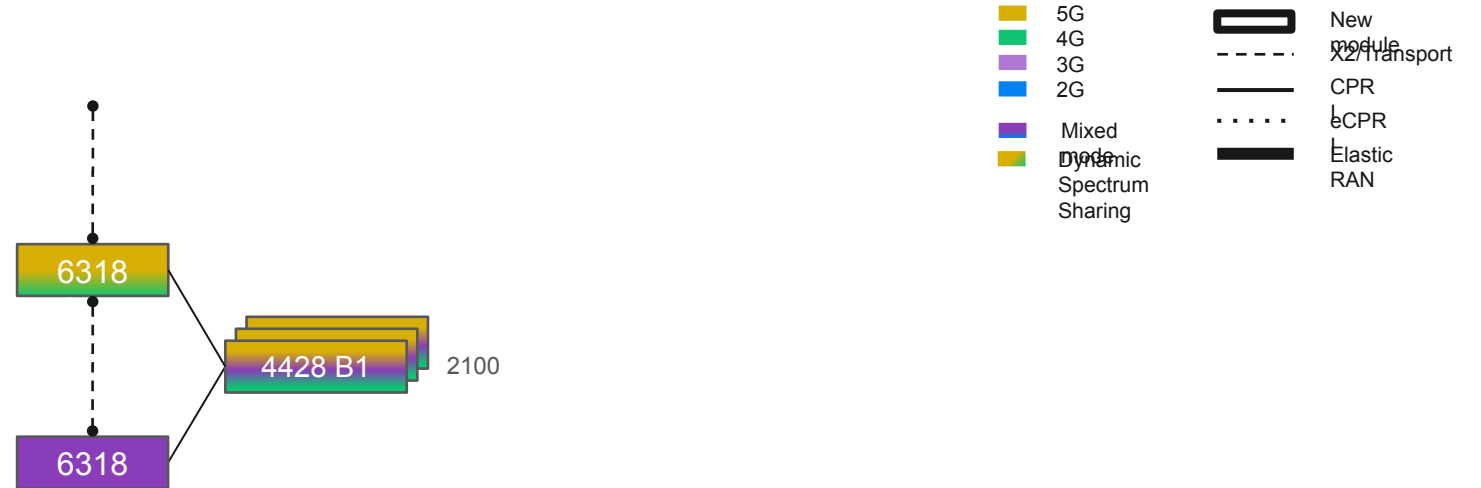
A1.2.5. Ivanovo

4T4R WL21

BB 6318 (1) LTE+NR
LTE 6 CC (360 ABW) + NR 6 CC (360 ABW)
LTE+NR FDD 5Mhz: 18+18
HUP: 5

BB 6318 (2)
WCDMA: 9CC
HUP: 1

Radio Power 20W HWAC: 21
CPRI links: 6
Transport: 1 Gbit



A1.2.5. + A1.2.6.

4T4R WL21, L26F

BB 6318 (1) LTE+NR
LTE 6 CC (300 ABW) + NR 6 CC (300 ABW)
LTE+NR FDD 5Mhz: 15+15
HUP: 4

BB 6318 (2)
WCDMA: 9CC
HUP: 1

Radio Power 20W HWAC: 42
CPRI links: 9
Transport: 1 Gbit



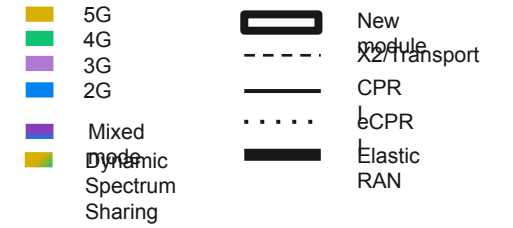
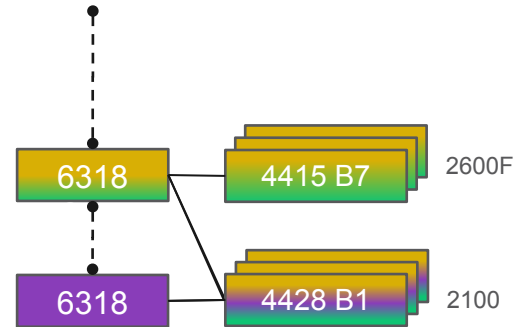
A1.2.5. + A1.2.6. KTY

4T4R WL21, L26F

BB 6318 (1) LTE+NR
LTE 12 CC (600 ABW) + NR 12 CC (600 ABW)
LTE+NR FDD 5Mhz: 30+30
MHUP: 1
HUP: 1

BB 6318 (2)
WCDMA: 9CC
HUP: 1

Radio Power 20W HWAC: 42
CPRI links: 9
Transport: 1 Gbit



A1.2.5. + A1.3.1.

4T4R WL21, L26T

BB 6318 (1) LTE+NR
LTE 6 CC (420 ABW) + NR 6 CC (420 ABW)
LTE+NR FDD 5Mhz: 9+9
LTE+NR TDD 5Mhz: 12+12
MHUP: 1

BB 6318 (2)
WCDMA: 9CC
HUP: 1

Radio Power 20W HWAC: 42
CPRI links: 9
Transport: 1 Gbit



A1.2.5. + A1.3.1. + A1.2.6.

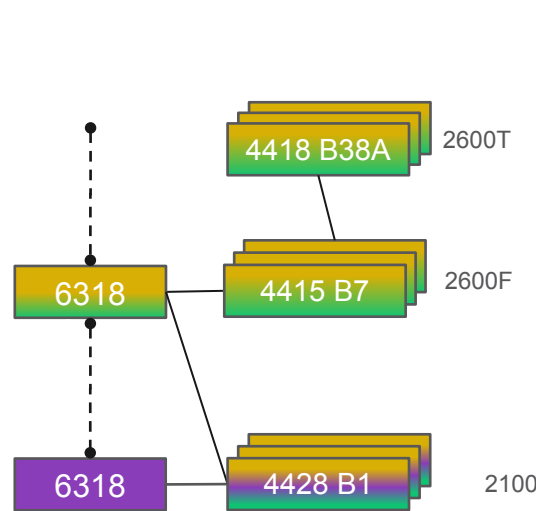
4T4R WL21, L26F; L26T



BB 6318 (1) LTE+NR
 LTE 9 CC (540 ABW) + NR 9 CC (540 ABW)
 LTE+NR FDD 5Mhz HWAC: 15+15
 LTE+NR TDD 5Mhz HWAC: 12+12
 MHUP: 1

BB 6318 (2) WCDMA+GSM
 WCDMA: 9CC
 HUP: 1

Radio Power 20W HWAC: 63
 CPRI links: 12
 Transport: 10 Gbit



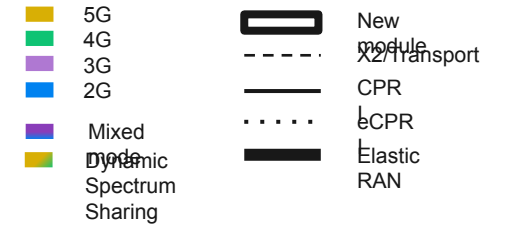
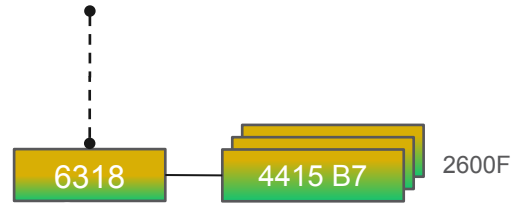
	5G		New module
	4G		X2/transport
	3G		CPR
	2G		eCPR
	Mixed		Elastic RAN
	Dynamic Spectrum Sharing		

A1.2.6.

4T4R L26F

BB 6318 (1) LTE+NR
LTE 3 CC (120 ABW) + NR 3 CC (120 ABW)
LTE+NR FDD 5Mhz: 6+6
HUP: 1

Radio Power 20W HWAC: 21
CPRI links: 3
Transport: 1 Gbit

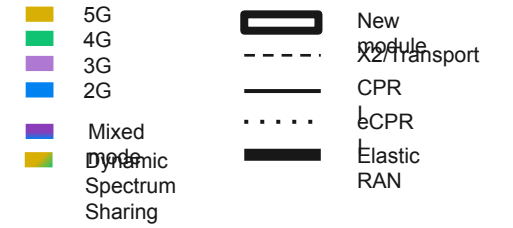
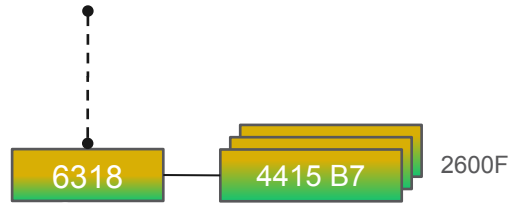


A1.2.6. KTY

4T4R L26F

BB 6318 (1) LTE+NR
LTE 6 CC (240 ABW) + NR 6 CC (240 ABW)
LTE+NR FDD 5Mhz: 12+12
HUP: 3

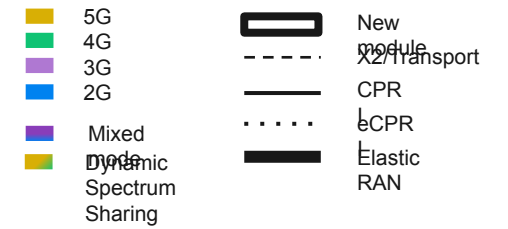
Radio Power 20W HWAC: 21
CPRI links: 3
Transport: 1 Gbit



A1.2.6.+A1.3.1. 4T4R L26F, L26T

BB 6318 (1) LTE+NR
LTE 6 CC (360 ABW) + NR 6 CC (360 ABW)
LTE+NR FDD 5Mhz HWAC: 6+6
LTE+NR TDD 5Mhz HWAC: 12+12
HUP: 5

Radio Power 20W HWAC: 45
CPRI links: 6
Transport: 10 Gbit



A1.2.8.

4T4R GL18, WL21

BB 6318 (1) LTE+NR
LTE 6 CC (420 ABW) + NR 6 CC (420 ABW)
LTE+NR FDD 5Mhz: 21+21
MHUP: 1

BB 6318 (2)
GSM: 12TRX
WCDMA: 9CC
HUP: 2

Radio Power 20W HWAC: 45
CPRI links: 6
Transport: 10 Gbit



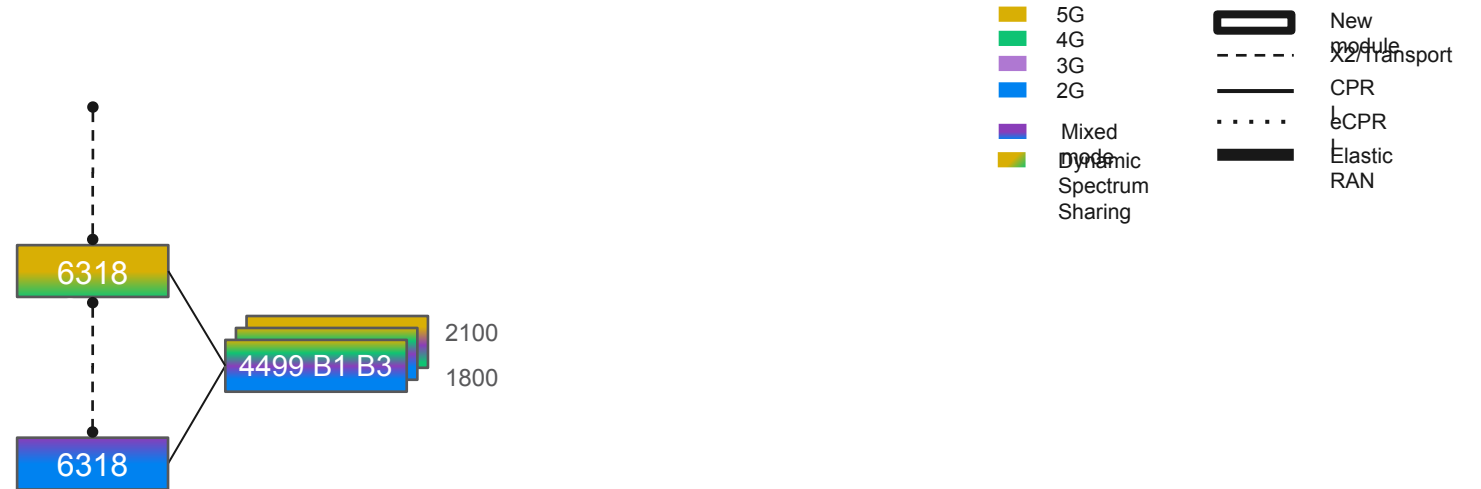
A1.2.8. KTY

4T4R GL18, WL21

BB 6318 (1) LTE+NR
LTE 12 CC (720 ABW) + NR 12 CC (720 ABW)
LTE+NR FDD 5Mhz: 36+36
MHUP: 1
HUP: 3

BB 6318 (2)
GSM: 12TRX
WCDMA: 9CC
HUP: 2

Radio Power 20W HWAC: 45
CPRI links: 6
Transport: 10 Gbit



A1.2.8. Ivanovo

4T4R GL18, WL21

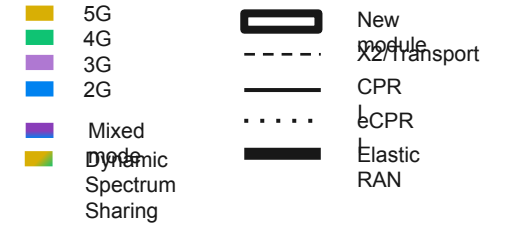
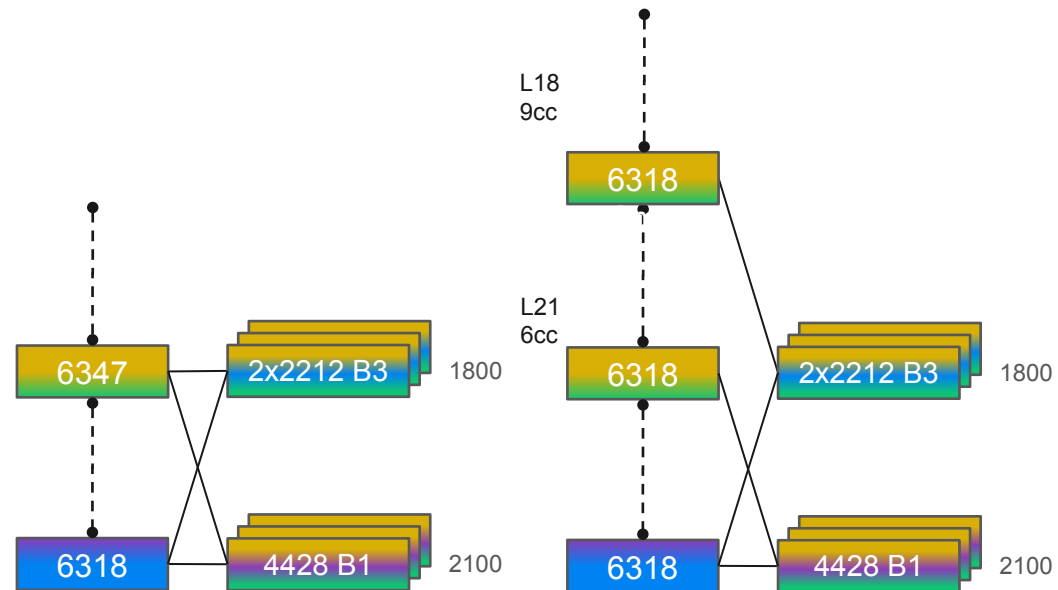
BB 6347 (1) LTE+NR
 LTE 15 CC (780 ABW) + NR 15 CC (780 ABW)
 LTE+NR FDD 5Mhz: 39+39
 MHUP: 1
 HUP: 4

BB 6318 (1)
 GSM: 12TRX
 WCDMA: 9CC
 HUP: 2

Radio Power 20W HWAC: 69

CPRI links: 12; CPRI cascade 3

Transport: 10 Gbit



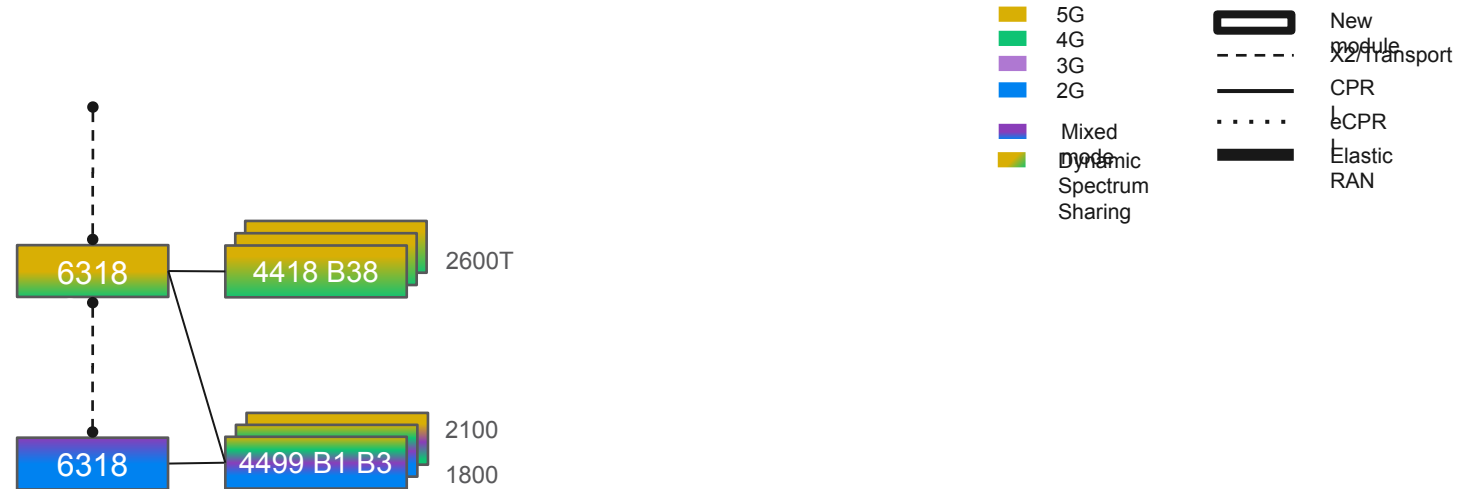
A1.2.8. + A1.3.1.

4T4R GL18, WL21, L26T

BB 6318 (1) LTE+NR
LTE 9 CC (660 ABW) + NR 9 CC (660 ABW)
LTE+NR FDD 5Mhz: 21+21
LTE+NR TDD 5CC: 12+12
MHUP: 1
HUP: 2

BB 6318 (2)
GSM: 12TRX
WCDMA: 9CC
HUP: 2

Radio Power 20W HWAC: 66
CPRI links: 9
Transport: 10 Gbit



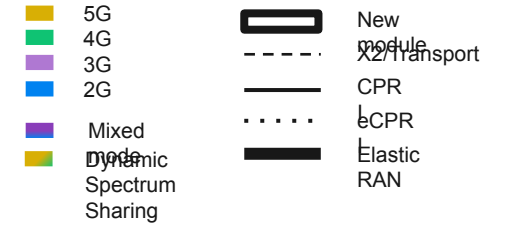
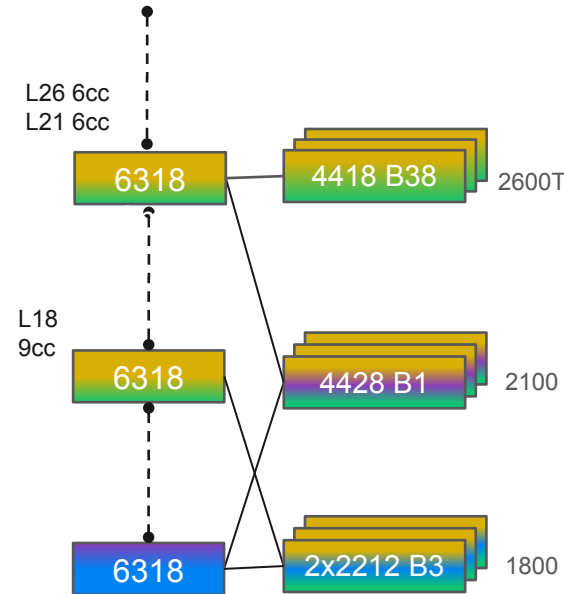
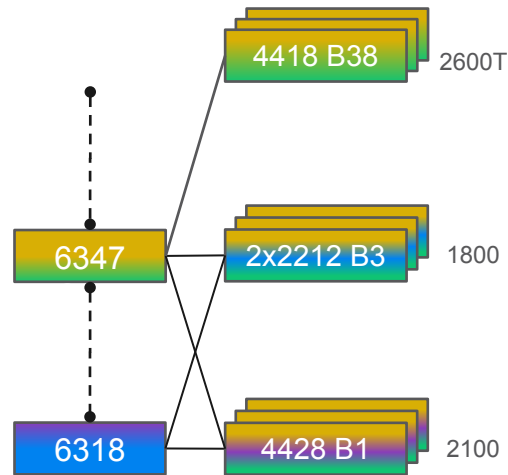
A1.2.8. + A1.3.1. Ivanovo

4T4R GL18, WL21, L26T

BB 6347 (1) LTE+NR
 LTE 21 CC (1260 ABW) + NR 21 CC (1260 ABW)
 LTE+NR FDD 5Mhz: 39+39
 LTE+NR TDD 5CC: 24+24
 MHUP: 1
 HUP: 4

BB 6318 (2)
 GSM: 12TRX
 WCDMA: 9CC
 HUP: 2

Radio Power 20W HWAC: 87
 CPRI links: 15
 Transport: 10 Gbit

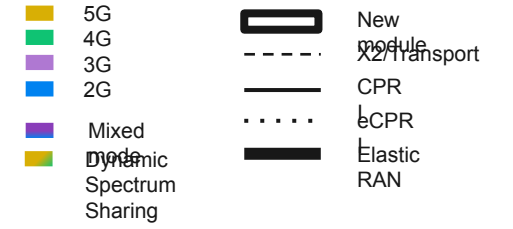
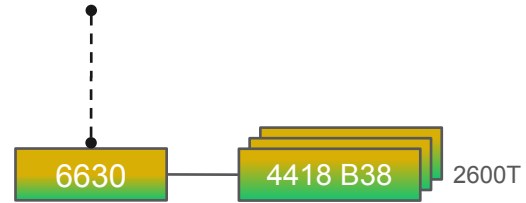


A1.3.1.

4T4R L26T

BB 6630 (1) LTE+NR
LTE 3 CC (240 ABW) + NR 3 CC (240 ABW)
LTE+NR TDD 5Mhz HWAC: 12+12
HUP 3

Radio Power 20W HWAC:21
CPRI links: 3
Transport: 1 Gbit

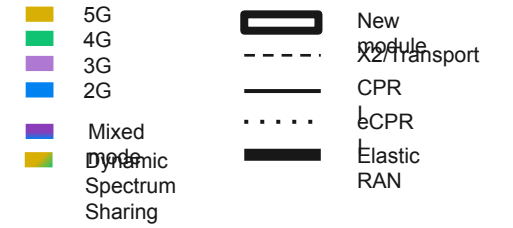
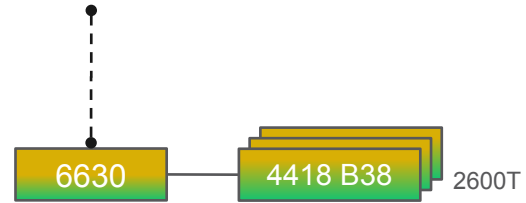


A1.3.1. KTY

4T4R L26T

BB 6630 (1) LTE+NR
LTE 6 CC (480 ABW) + NR 6 CC (480 ABW)
LTE+NR FDD 5Mhz HWAC:
LTE+NR TDD 5Mhz HWAC: 24+24
MHUP: 1

Radio Power 20W HWAC:21
CPRI links: 3
Transport: 1 Gbit



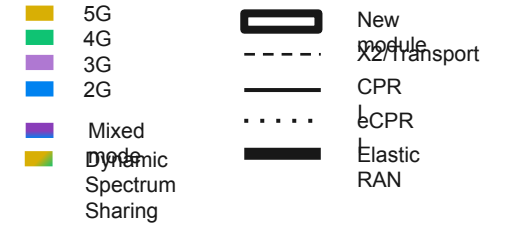
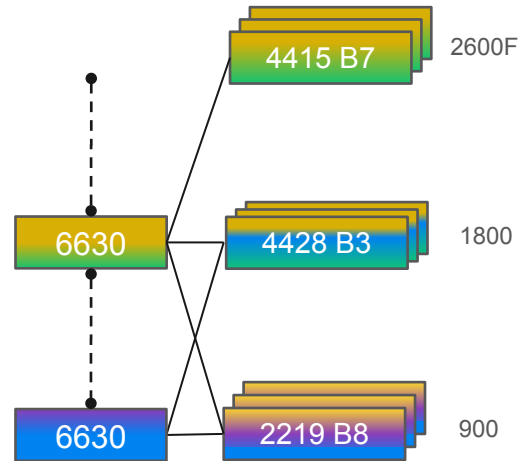
A2.1.2.

2T2R GWL9; 4T4R GL18, L26F

BB 6630 (1) LTE+NR
 LTE 12 CC (420 ABW) + NR 12 CC (420 ABW)
 LTE+NR FDD 5Mhz HWAC: 24+24
 HUP 6

BB 6630 (2) WCDMA+GSM
 WCDMA: 6
 GSM: 24
 HUP: 1

Radio Power 20W HWAC: 57
 CPRI links: 15
 Transport: 10 Gbit



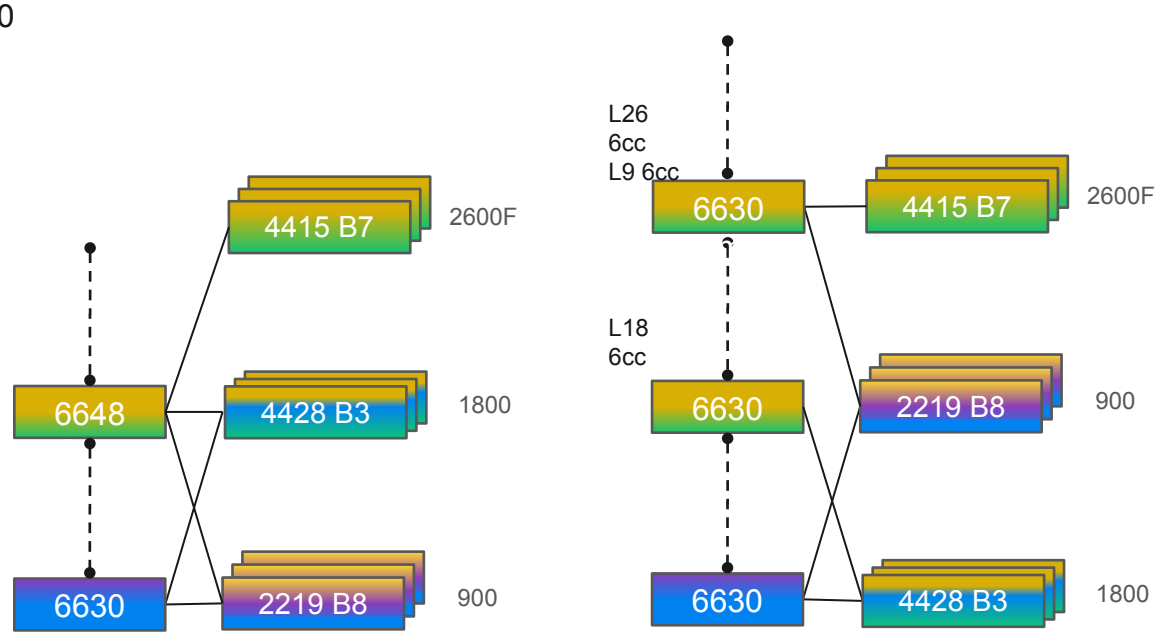
A2.1.2. KTY












2T2R GWL9; 4T4R GL18, L26F

BB 6648 (1) LTE+NR
 LTE 18 CC (660 ABW) + NR 18 CC (660 ABW)
 LTE+NR FDD 5Mhz HWAC: 36+36
 HUP: 3

BB 6630 (1) WCDMA+GSM
 WCDMA: 6
 GSM: 24
 HUP: 1

Radio Power 20W HWAC: 57
 CPRI links: 15
 CPRI cascade:
 Transport: 10 Gbit



	5G		New module
	4G		X2/transport
	3G		CPR
	2G		eCPR
	Mixed		Elastic RAN
	Dynamic Spectrum Sharing		

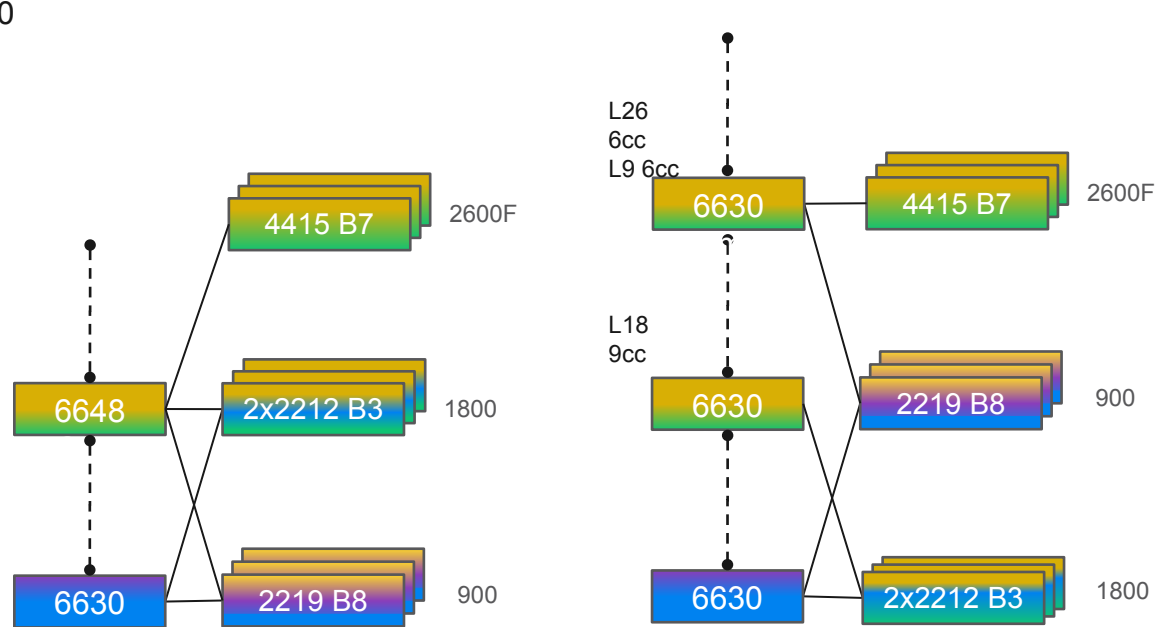
A2.1.2. Ivanovo

2T2R GWL9; 4T4R GL18, L26F

BB 6648 (1) LTE+NR
 LTE 21 CC (720 ABW) + NR 21 CC (720 ABW)
 LTE+NR FDD 5Mhz HWAC: 39+39
 HUP: 4

BB 6630 (1) WCDMA+GSM
 WCDMA: 6
 GSM: 24
 HUP: 1

Radio Power 20W HWAC: 81
 CPRI links: 15
 CPRI cascade: 3
 Transport: 10 Gbit



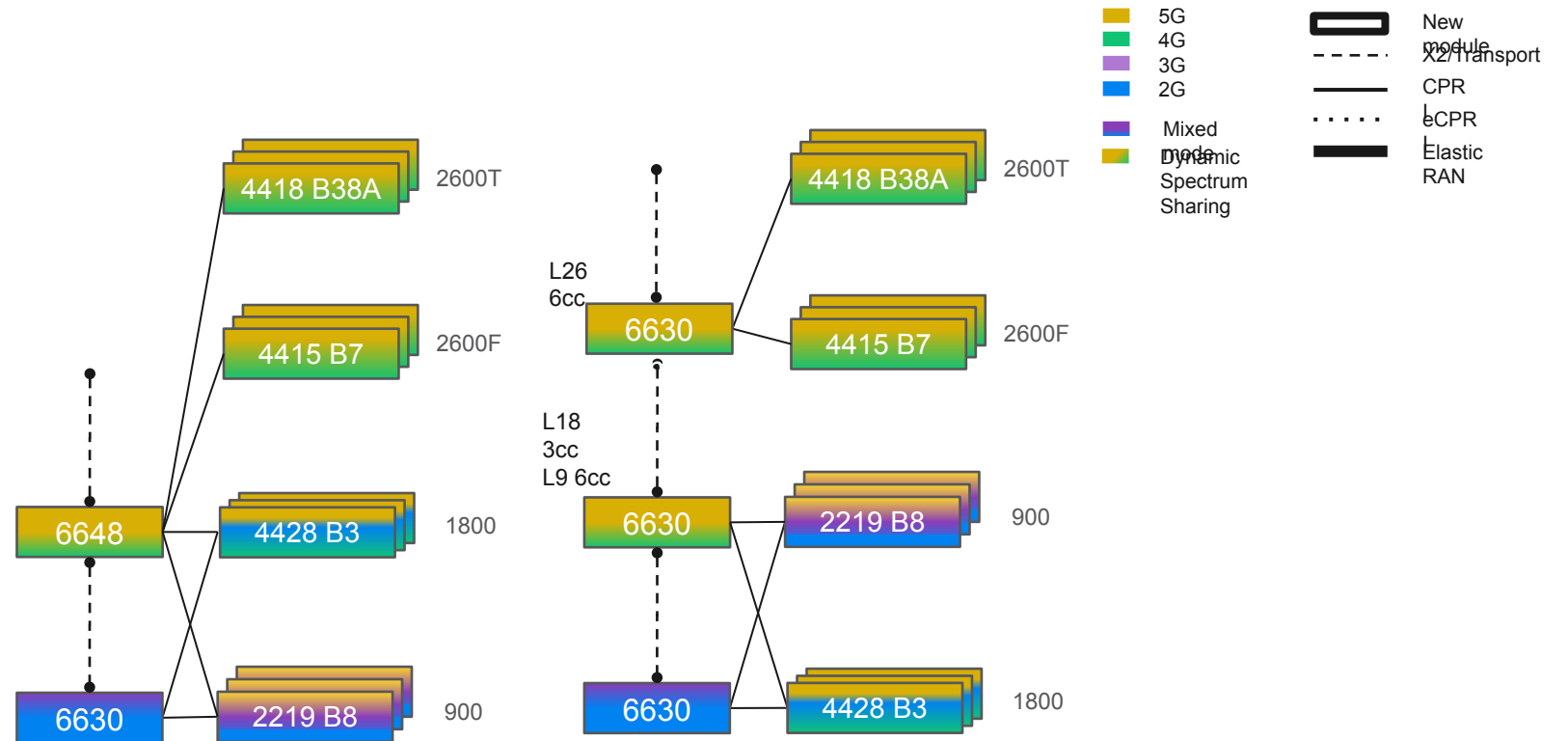
A2.1.2. + A.1.3.1.

2T2R GWL9; 4T4R GL18, L26F, L26T

BB 6648 (1) LTE+NR
 LTE 15 CC (630 ABW) + NR 15 CC (630 ABW)
 LTE+NR FDD 5Mhz HWAC: 24+24
 LTE+NR TDD 5Mhz HWAC: 12+12
 HUP: 3

BB 6630 (2) WCDMA+GSM
 WCDMA: 6
 GSM: 24
 HUP: 1

Radio Power 20W HWAC: 78
 CPRI links: 18
 Transport: 10 Gbit



A2.1.2. + A1.3.1. KTY

2T2R GWL9; 4T4R GL18, L26F, L26T



BB 6648 (1) LTE+NR

LTE 24 CC (1140 ABW) + NR 24 CC (1140 ABW)

LTE+NR FDD 5Mhz HWAC: 36+36

LTE+NR TDD 5Mhz HWAC: 24+24

HUP: 3

BB 6630 (1) WCDMA+GSM

WCDMA: 6

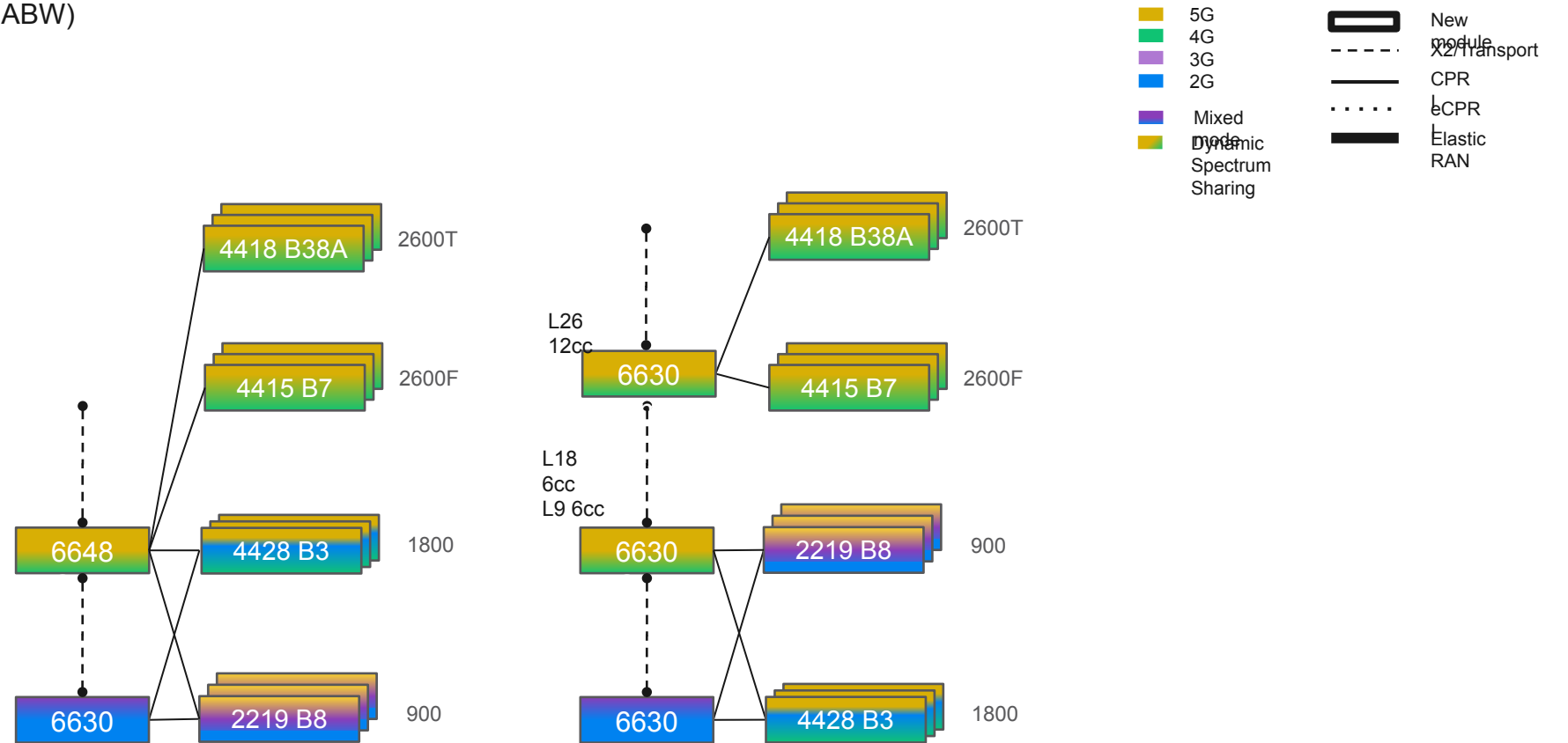
GSM: 24

HUP: 1

Radio Power 20W HWAC: 78

CPRI links: 18

Transport: 10 Gbit



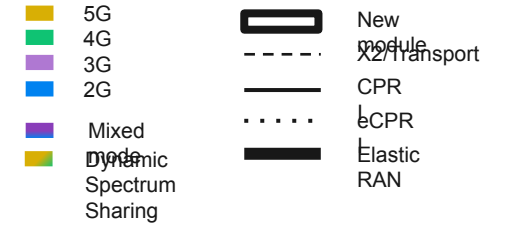
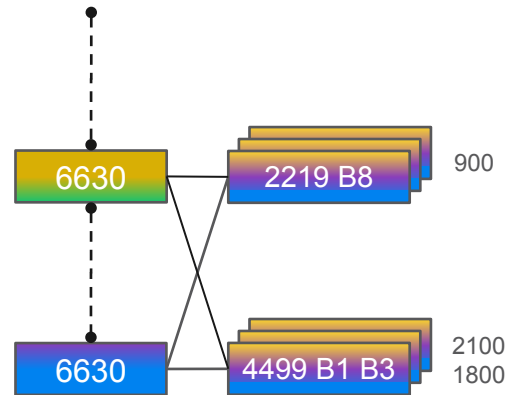
A2.1.3.

2T2R GWL9; 4T4R GL18, WL21

BB 6630 (1) LTE+NR
 LTE 12 CC (480 ABW) + NR 12 CC (480 ABW)
 LTE+NR FDD 5Mhz HWAC: 27+27
 MHUP: 1

BB 6630 (2) WCDMA+GSM
 WCDMA: 15
 GSM: 24
 HUP: 2

Radio Power 20W HWAC: 60
 CPRI links: 12
 Transport: 10 Gbit



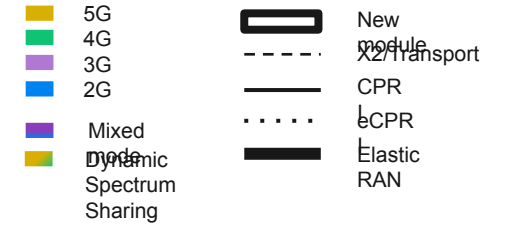
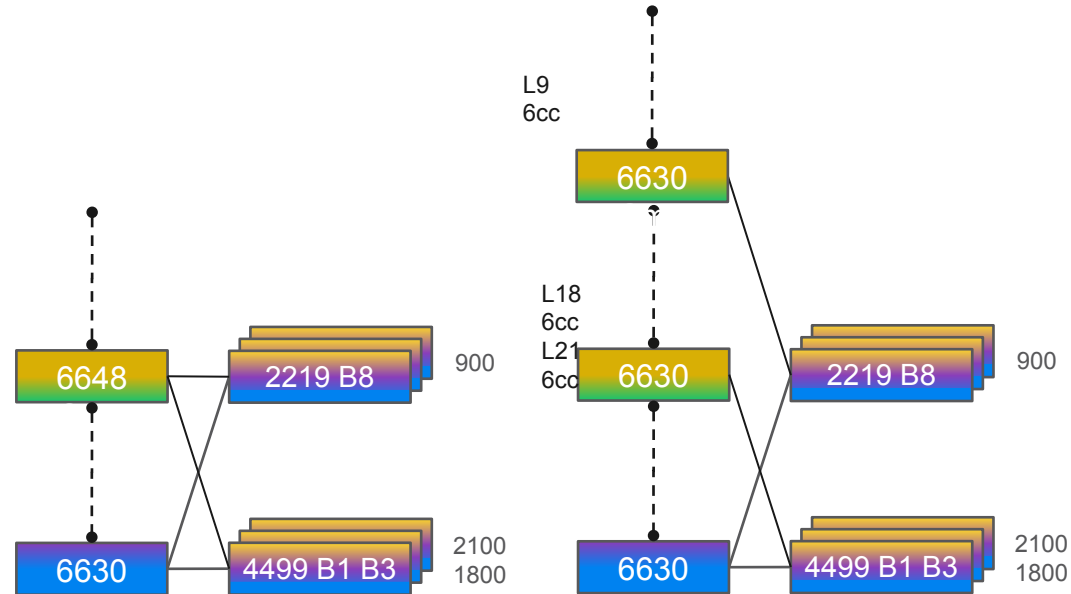
A2.1.3. KTY

2T2R GWL9; 4T4R GL18, WL21

BB 6648 (1) LTE+NR
 LTE 18 CC (780 ABW) + NR 18 CC (780 ABW)
 LTE+NR FDD 5Mhz HWAC: 42+42
 MHUP 1
 HUP 3

BB 6630 (1) WCDMA+GSM
 WCDMA: 15
 GSM: 24
 HUP: 2

Radio Power 20W HWAC: 60
 CPRI links: 12
 Transport: 10 Gbit



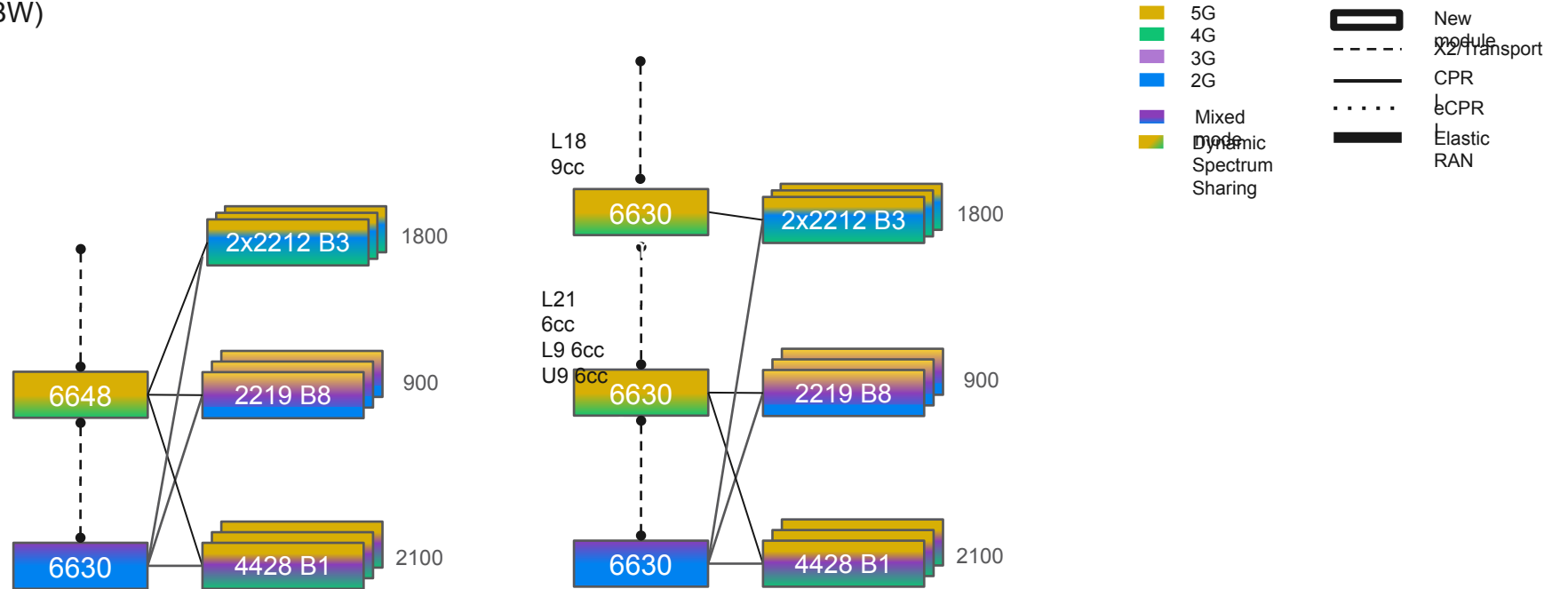
A2.1.3. Ivanovo

2T2R GWL9; 4T4R GL18, WL21

BB 6648 (1) LTE+NR
 LTE 21 CC (840 ABW) + NR 21 CC (840 ABW)
 LTE+NR FDD 5Mhz HWAC: 45+45
 HUP: 6

BB 6630 (1) WCDMA+GSM
 WCDMA: 15
 GSM: 24
 HUP: 2

Radio Power 20W HWAC: 84
 CPRI links: 18
 CPRI cascade: 3
 Transport: 10 Gbit



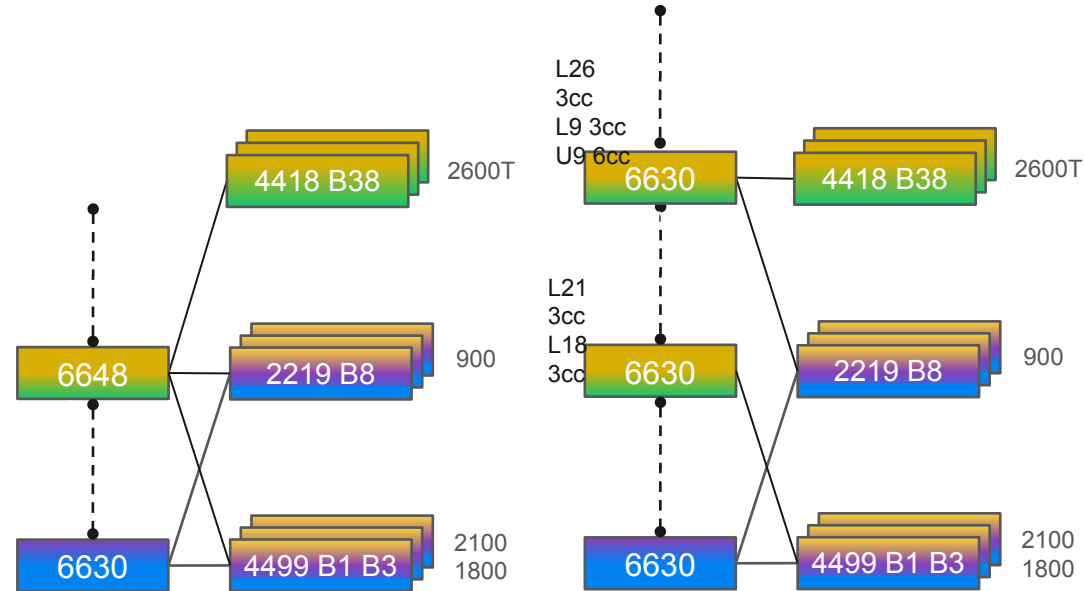
A2.1.3. + A1.3.1.

2T2R GWL9; 4T4R GL18, WL21, L26T

BB 6648 (1) LTE+NR
 LTE 15 CC (720 ABW) + NR 15 CC (720 ABW)
 LTE+NR FDD 5Mhz HWAC: 27+27
 LTE+NR TDD 5Mhz HWAC: 12+12
 HUP: 4

BB 6630 (1) WCDMA+GSM
 WCDMA: 15
 GSM: 24
 HUP: 2

Radio Power 20W HWAC: 81
 CPRI links: 15
 Transport: 10 Gbit



	5G		New module
	4G		X2/transport
	3G		CPR
	2G		eCPR
	Mixed		Elastic RAN
	Dynamic Spectrum Sharing		

A2.1.3+A1.3.1. Ivanovo

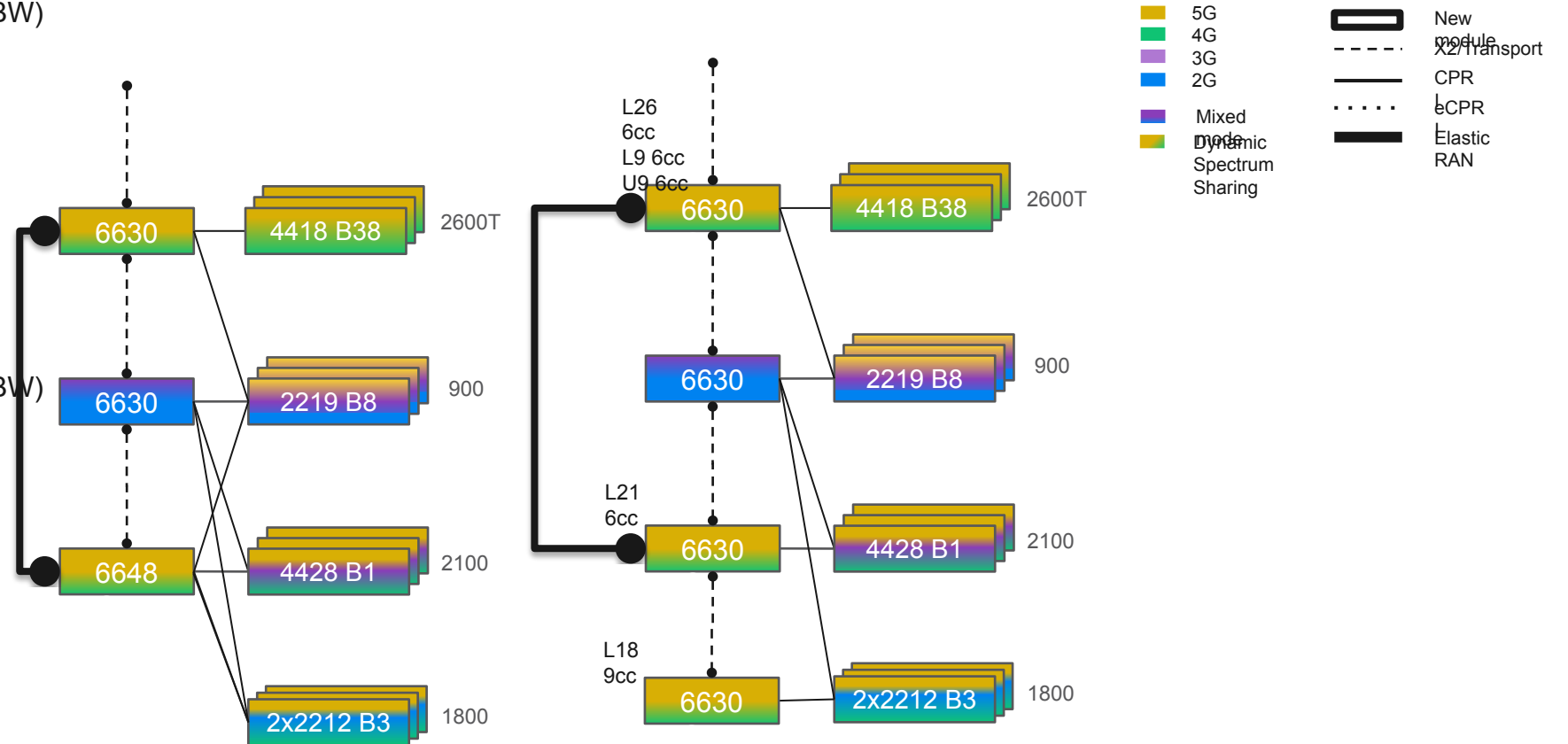
2T2R GWL9; 4T4R GL18, WL21, L26T

BB 6630 (1) LTE+NR
 LTE 27 CC (540 ABW) + NR 27 CC (540 ABW)
 LTE+NR FDD 5Mhz HWAC: 6+6
 LTE+NR TDD 5Mhz HWAC: 24+24
 MHUP 1

BB 6630 (2) WCDMA+GSM
 WCDMA: 15
 GSM: 24
 HUP: 2

BB 6648 (1) LTE+NR
 LTE 15 CC (780 ABW) + NR 15 CC (780 ABW)
 LTE+NR FDD 5Mhz HWAC: 39+39
 HUP 5

Radio Power 20W HWAC: 105
 CPRI links: 24
 CPRI cascade: 3
 Transport: 10 Gbit
 Xcede cable



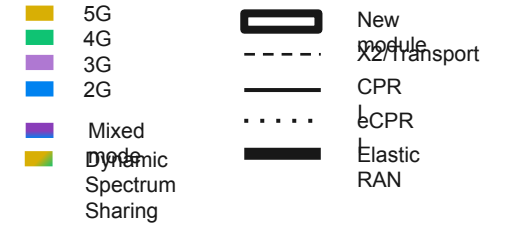
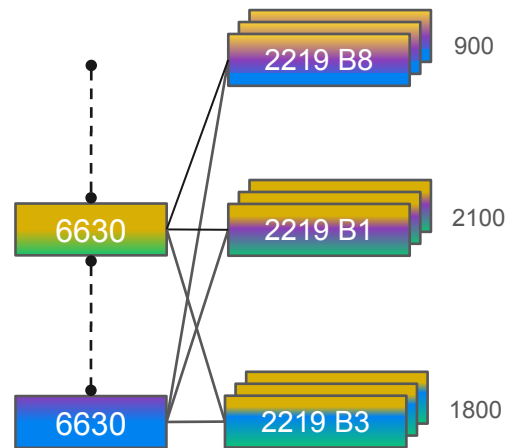
A3.1.1.

2T2R GWL9, GL18, WL21

BB 6630 (1) LTE+NR
LTE 12 CC (270 ABW) + NR 12 CC (270 ABW)
LTE+NR FDD 5Mhz HWAC: 27+27
HUP: 4

BB 6630 (2) WCDMA+GSM
WCDMA: 15
GSM: 24
HUP: 2

Radio Power 20W HWAC: 51
CPRI links: 18
Transport: 1 Gbit



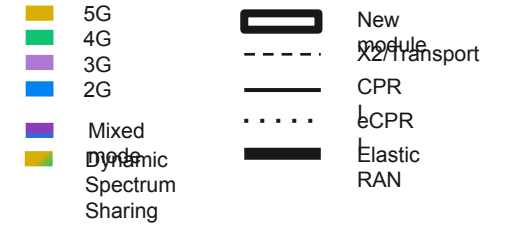
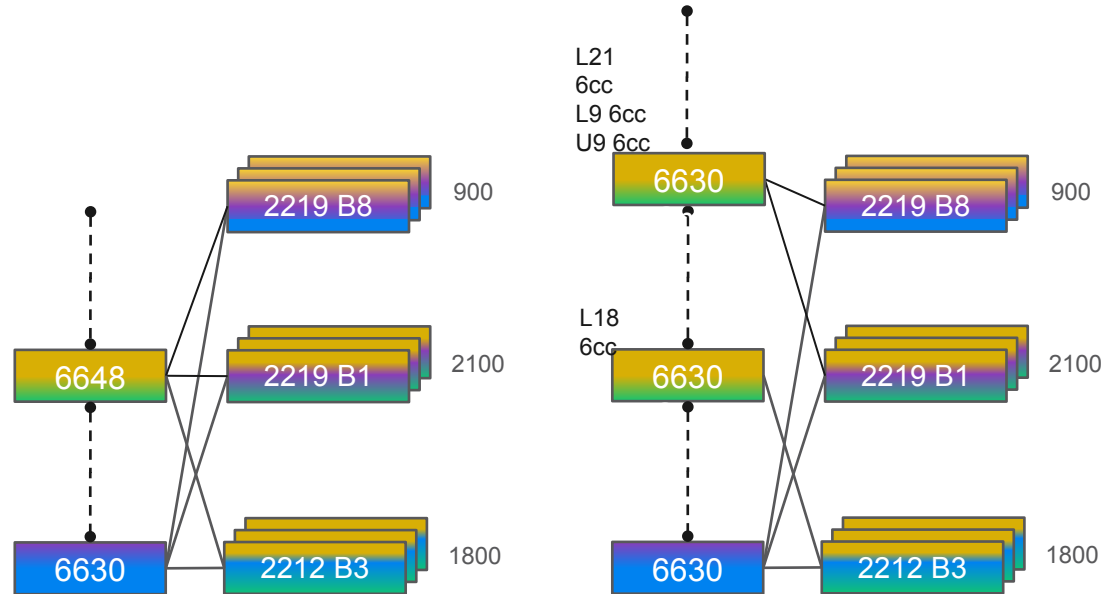
A3.1.1. KTY

2T2R GWL9, GL18, WL21

BB 6648 (1) LTE+NR
 LTE 18 CC (420 ABW) + NR 18 CC (420 ABW)
 LTE+NR FDD 5Mhz HWAC: 42+42
 HUP: 0

BB 6630 (1) WCDMA+GSM
 WCDMA: 15
 GSM: 24
 HUP: 2

Radio Power 20W HWAC: 51
 CPRI links: 18
 Transport: 1 Gbit



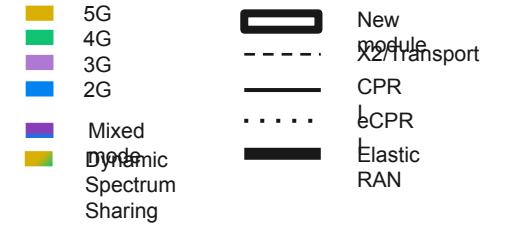
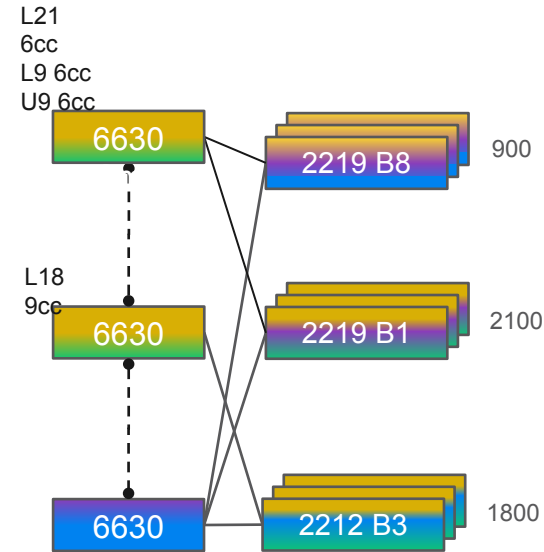
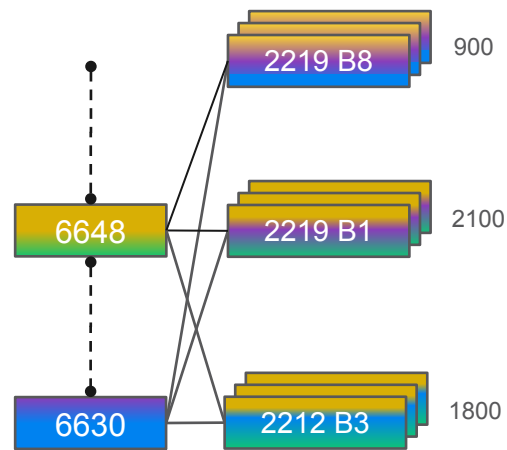
A3.1.1. Ivanovo

2T2R GWL9, GL18, WL21

BB 6648 (1) LTE+NR
 LTE 21 CC (450 ABW) + NR 21 CC (450 ABW)
 LTE+NR FDD 5Mhz HWAC: 45+45
 MHUP 0

BB 6630 (1) WCDMA+GSM
 WCDMA: 15
 GSM: 24
 HUP: 2

Radio Power 20W HWAC: 51
 CPRI links: 18
 Transport: 1 Gbit



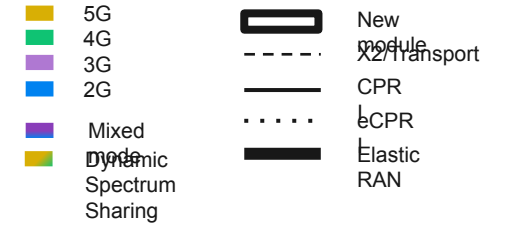
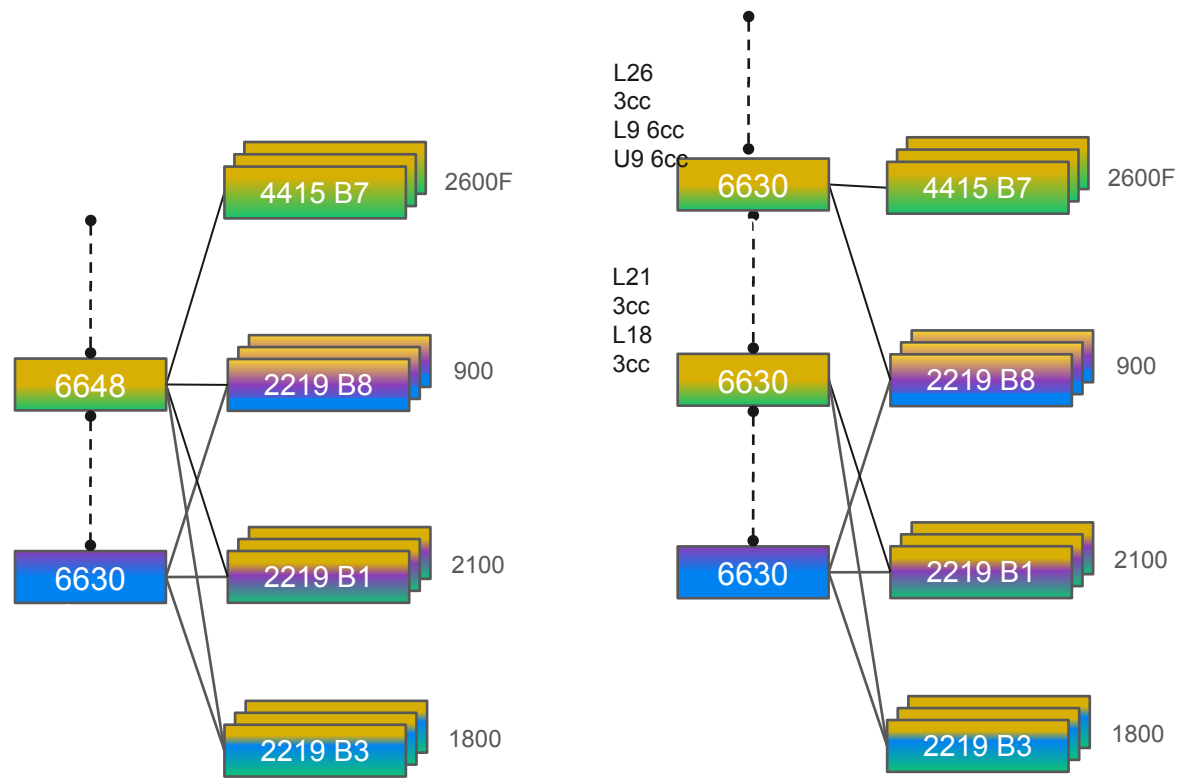
A3.1.1. + A1.2.6.

2T2R GWL9, GL18, WL21; 4T4R L26

BB 6648 (1) LTE+NR
 LTE 15 CC (390 ABW) + NR 15 CC (390 ABW)
 LTE+NR FDD 5Mhz HWAC: 33+33
 MHUP 0

BB 6630 (1) WCDMA+GSM
 WCDMA: 15
 GSM: 24
 HUP: 2

Radio Power 20W HWAC: 72
 CPRI links: 21
 Transport: 10 Gbit



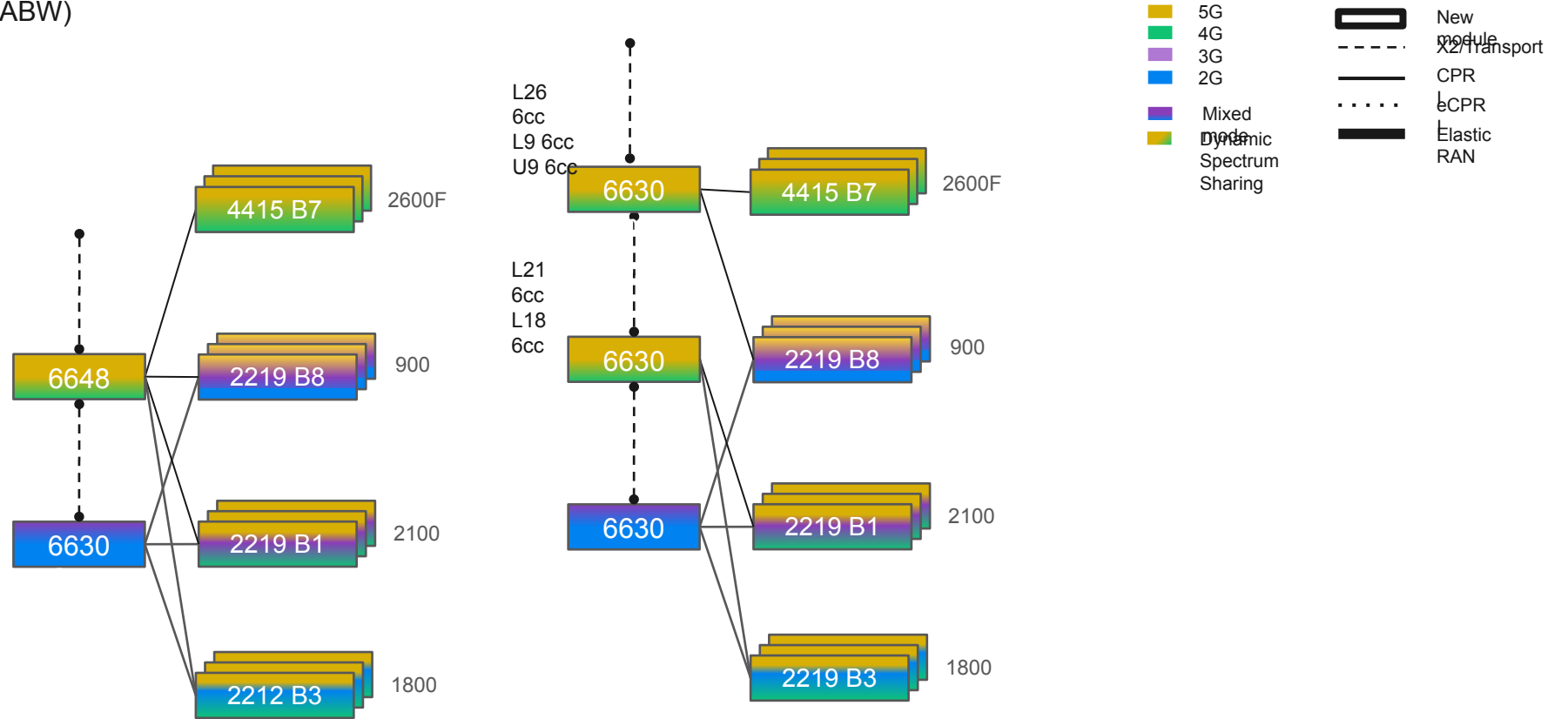
A3.1.1. + A1.2.6. KTY

2T2R GWL9, GL18, WL21; 4T4R L26

BB 6648 (1) LTE+NR
 LTE 24 CC (660 ABW) + NR 24 CC (660 ABW)
 LTE+NR FDD 5Mhz HWAC: 54+54
 HUP: 3

BB 6630 (1) WCDMA+GSM
 WCDMA: 15
 GSM: 24
 HUP: 2

Radio Power 20W HWAC: 72
 CPRI links: 21
 Transport: 10 Gbit



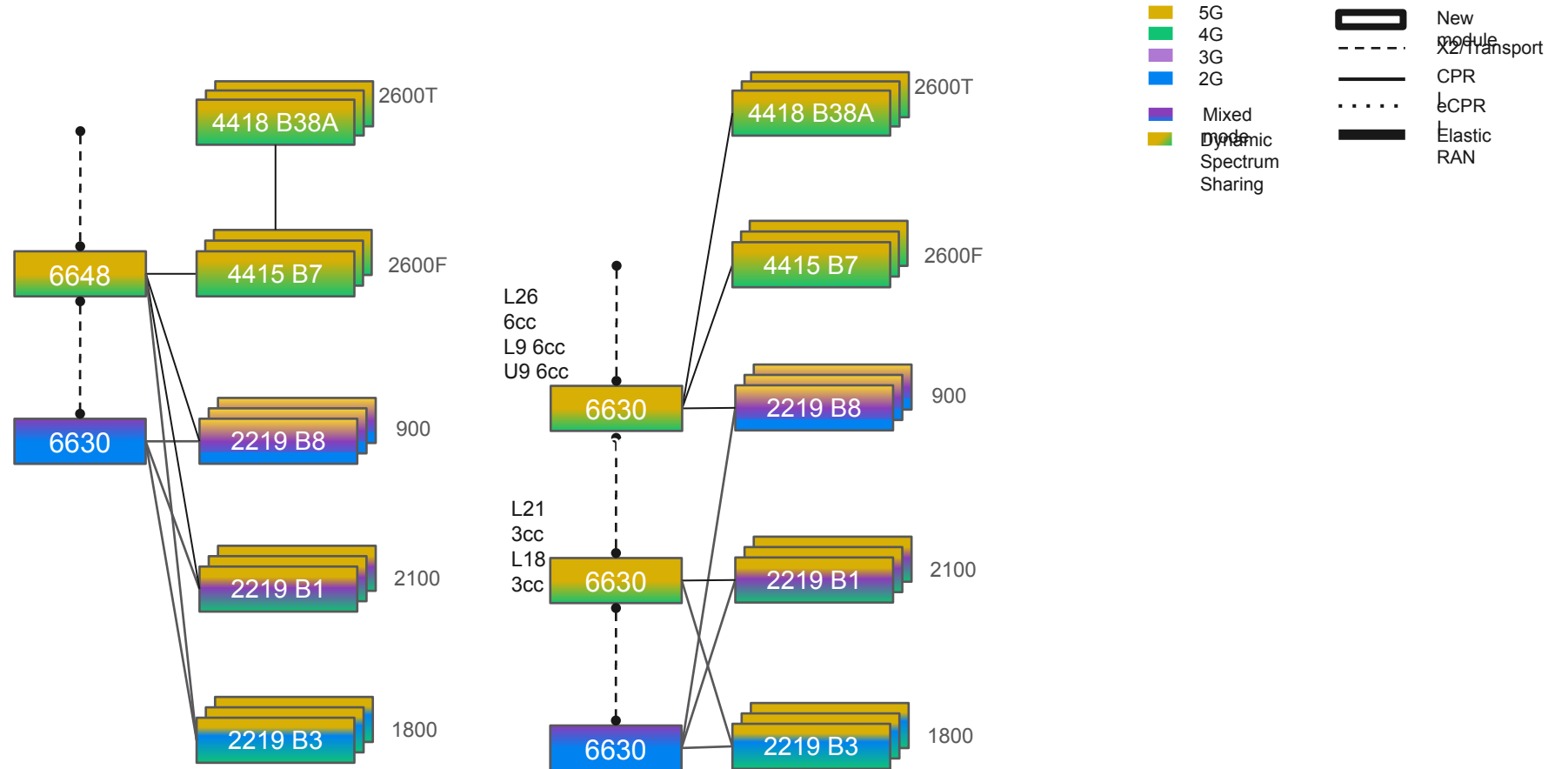
A3.1.1. + A1.2.6. + A1.3.1.

2T2R GWL9, GL18, WL21; 4T4R L26F, L26T

BB 6648 (1) LTE+NR
 LTE 18 CC (630 ABW) + NR 18 CC (630 ABW)
 LTE+NR FDD 5Mhz HWAC: 33+33
 LTE+NR TDD 5Mhz HWAC: 12+12
 HUP: 3

BB 6630 (1) WCDMA+GSM
 WCDMA: 15
 GSM: 24
 HUP: 2

Radio Power 20W HWAC: 93
 CPRI links: 21
 CPRI cascade: 3
 Transport: 10 Gbit



A3.1.1. + A1.2.6. + A1.3.1. KTY

2T2R GWL9, GL18, WL21; 4T4R L26F, L26T

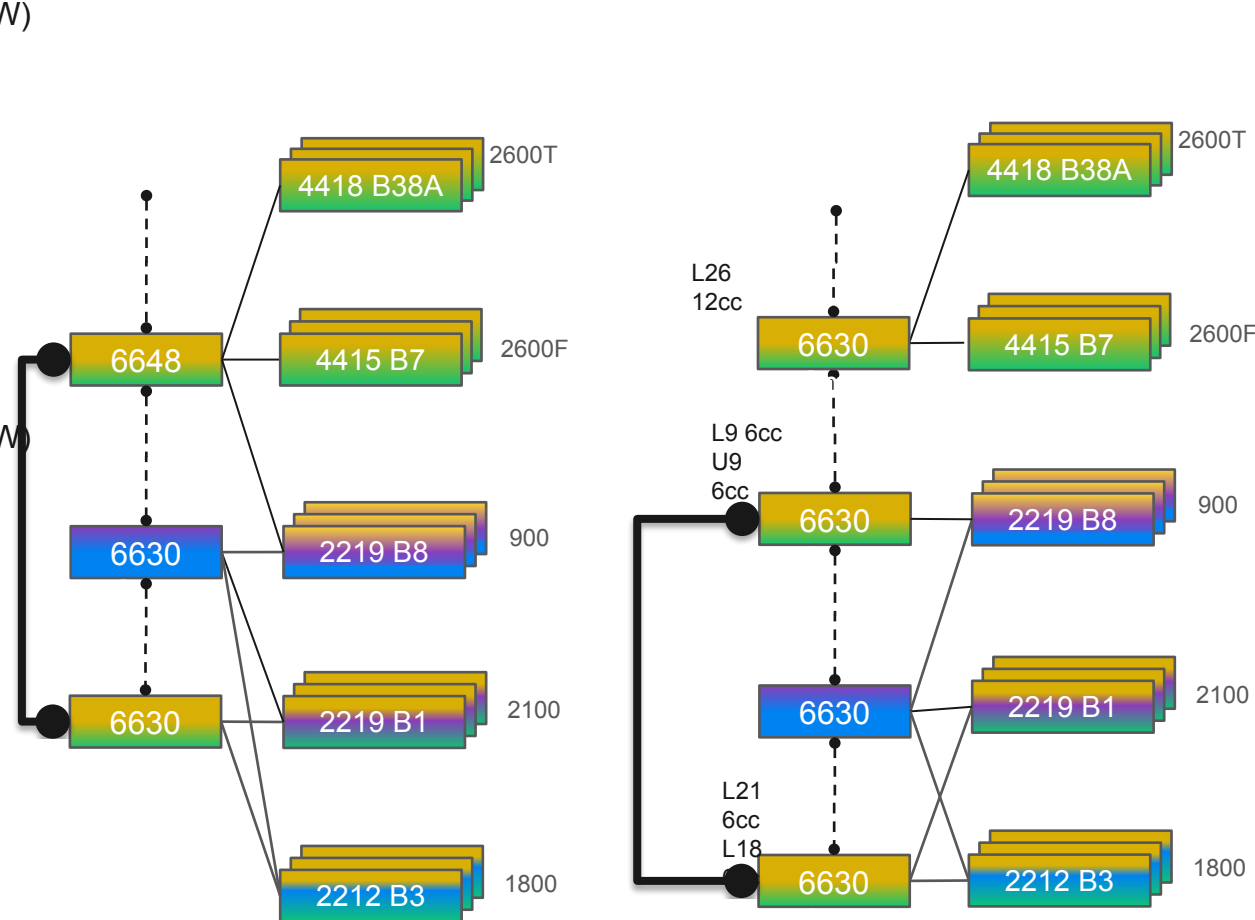







BB 6648 (1) LTE+NR
 LTE 30 CC (780 ABW) + NR 30 CC (780 ABW)
 LTE+NR FDD 5Mhz HWAC: 18+18
 LTE+NR TDD 5Mhz HWAC: 24+24
 HUP: 6

BB 6630 (1) WCDMA+GSM
 WCDMA: 15
 GSM: 24
 HUP: 2

BB 6630 (2) LTE+NR
 LTE 12 CC (360 ABW) + NR 12 CC (360 ABW)
 LTE+NR FDD 5Mhz HWAC: 36+36
 HUP: 5

Radio Power 20W HWAC: 90
 CPRI links: 24
 Transport: 10 Gbit ; Xcede cable



 5G	 New module
 4G	 X2/transport
 3G	 CPR
 2G	 eCPR
 Mixed Dynamic Spectrum Sharing	 Elastic RAN

A3.1.1+A1.3.1.

2T2R GWL9, GL18, WL21; 4T4R L26T

BB 6648 (1) LTE+NR

LTE 15 CC (780 ABW) + NR 15 CC (780 ABW)

LTE+NR FDD 5Mhz HWAC: 27+27

LTE+NR TDD 5Mhz HWAC: 12+12

HUP: 6

BB 6630 (1) WCDMA+GSM

WCDMA: 15

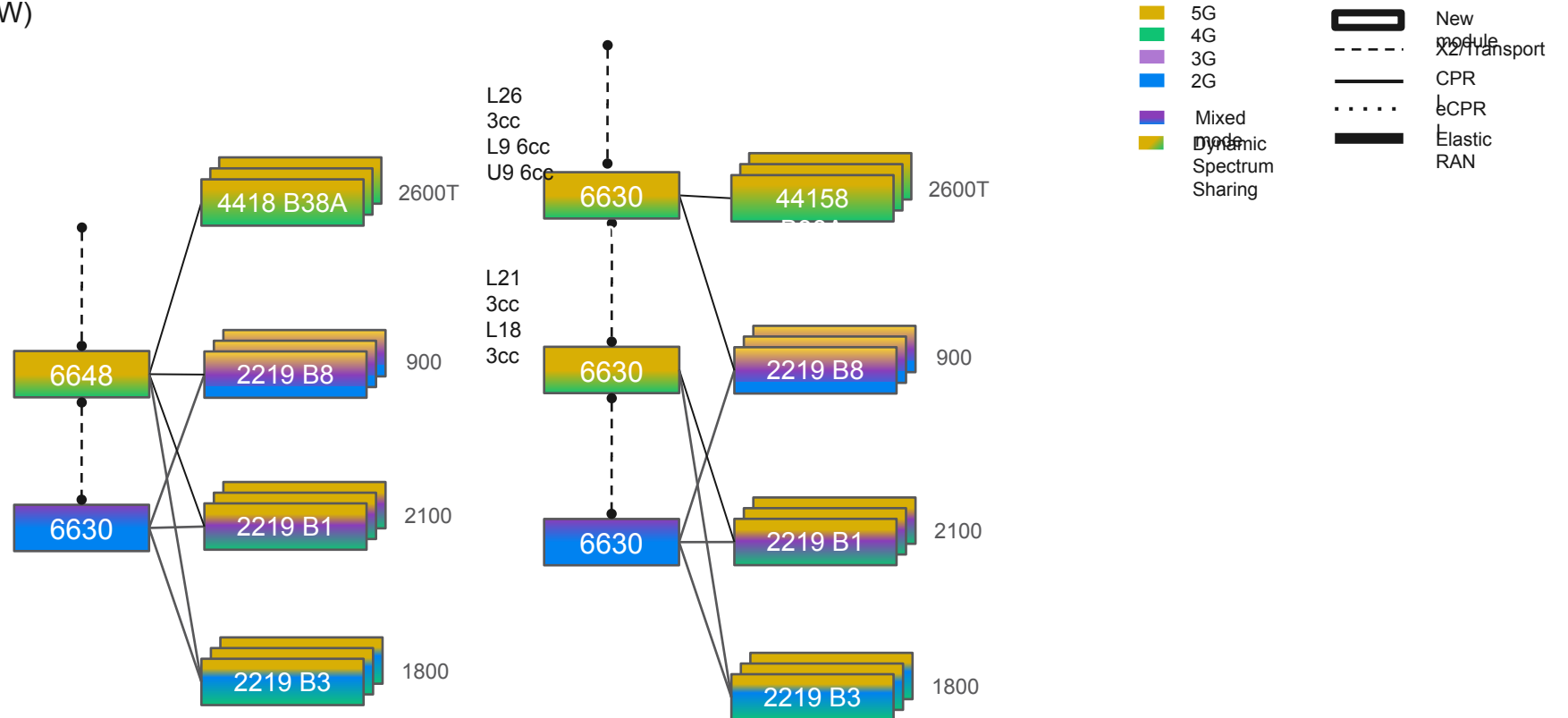
GSM: 24

HUP: 2

Radio Power 20W HWAC: 72

CPRI links: 21

Transport: 10 Gbit



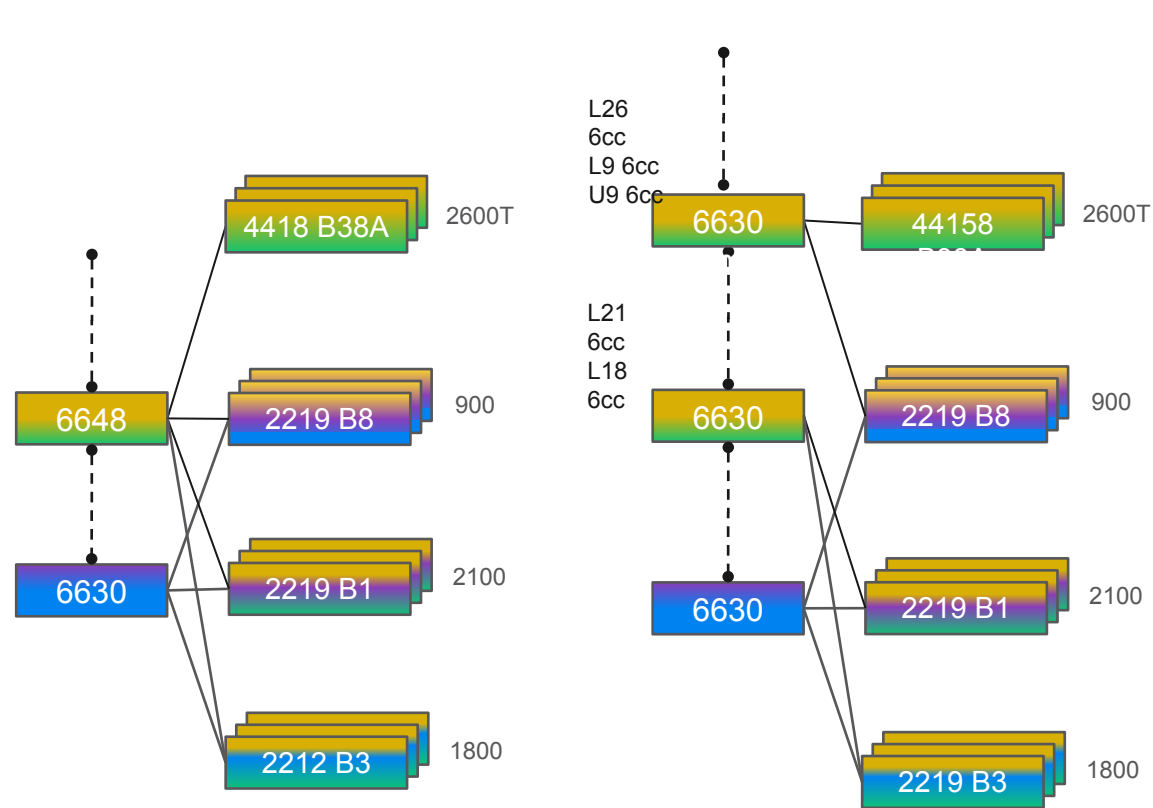
A3.1.1+A1.3.1. KTY

2T2R GWL9, GL18, WL21; 4T4R L26T

BB 6648 (1) LTE+NR
LTE 24 CC (900 ABW) + NR 24 CC (900 ABW)
LTE+NR FDD 5Mhz HWAC: 42+42
LTE+NR TDD 5Mhz HWAC: 24+24
MHUP: 1

BB 6630 (1) WCDMA+GSM
WCDMA: 15
GSM: 24
HUP: 2

Radio Power 20W HWAC: 72
CPRI links: 21
Transport: 10 Gbit



5G	New module
4G	X2/transport
3G	CPR
2G	eCPR
Mixed	Elastic RAN
Dynamic Spectrum Sharing	

A3.1.1. + A1.3.1. Ivanovo

2T2R GWL9, GL18, WL21; 4T4R L26T

BB 6648 (1) LTE+NR

LTE 27 CC (540 ABW) + NR 27 CC (540 ABW)

LTE+NR FDD 5Mhz HWAC: 6+6

LTE+NR TDD 5Mhz HWAC: 24+24

HUP: 1

BB 6630 (1) WCDMA+GSM

WCDMA: 15

GSM: 24

HUP: 2

BB 6630 (2) LTE+NR

LTE 12 CC (390 ABW) + NR 12 CC (390 ABW)

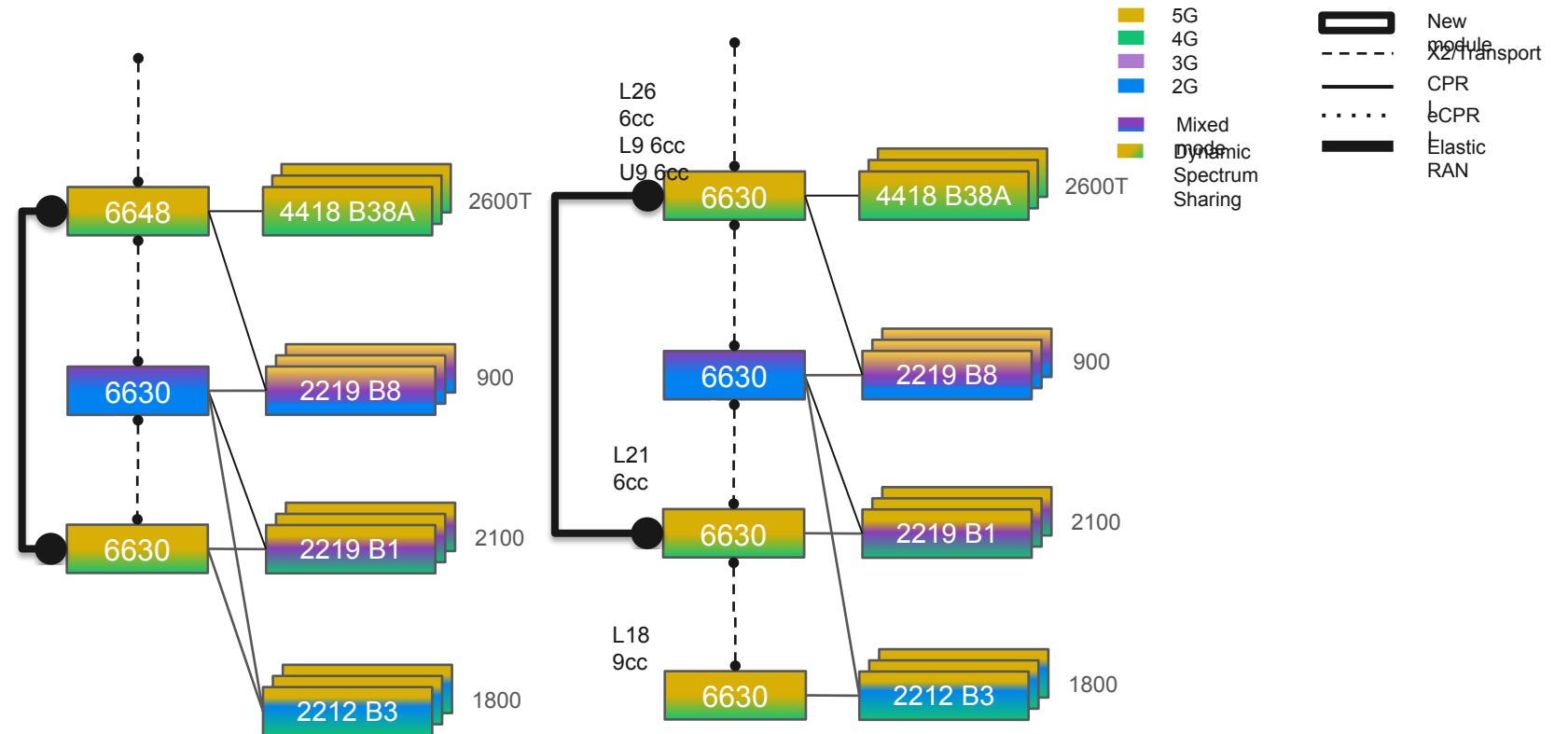
LTE+NR FDD 5Mhz HWAC: 39+39

HUP: 6

Radio Power 20W HWAC: 72

CPRI links: 21

Transport: 10 Gbit ; Xcede cable



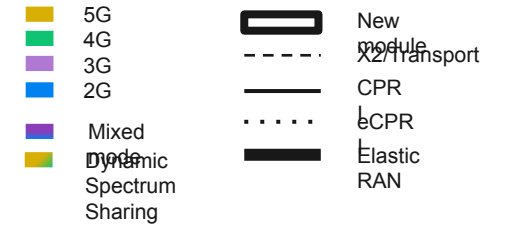
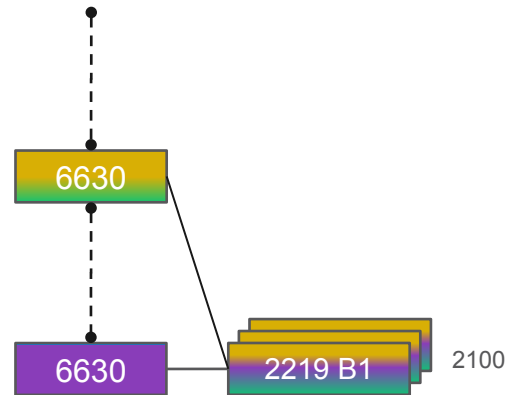
A3.1.2.

2T2R WL21

BB 6630 (1) LTE+NR
LTE 3 CC (90 ABW) + NR 3 CC (90 ABW)
LTE+NR FDD 5Mhz HWAC: 9+9
HUP 1

BB 6630 (2) WCDMA
WCDMA: 9
HUP: 1

Radio Power 20W HWAC: 15
CPRI links: 6
CPRI cascade:
Transport: 1 Gbit



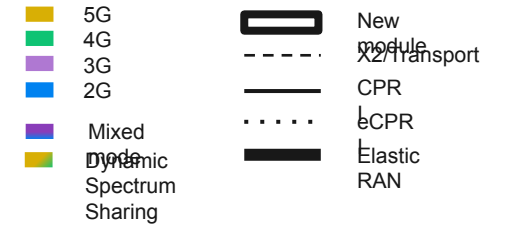
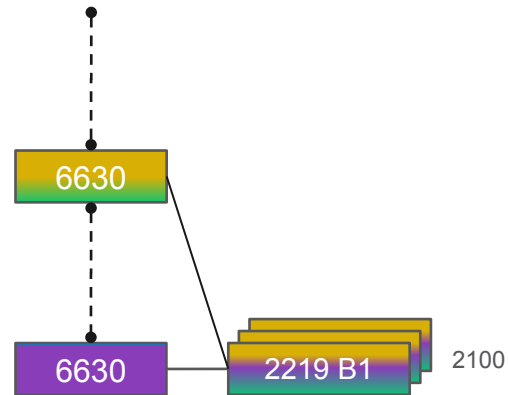
A3.1.2. KTY

2T2R WL21

BB 6630 (1) LTE+NR
LTE 6 CC (180 ABW) + NR 6 CC (180 ABW)
LTE+NR FDD 5Mhz HWAC: 18+18
HUP 2

BB 6630 (1) WCDMA
WCDMA: 9
HUP: 1

Radio Power 20W HWAC: 15
CPRI links: 6
CPRI cascade:
Transport: 1 Gbit



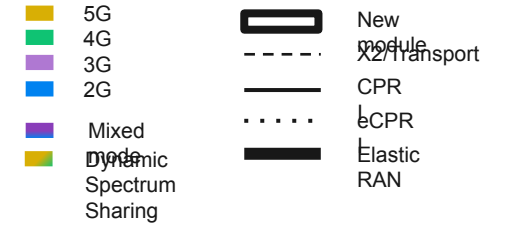
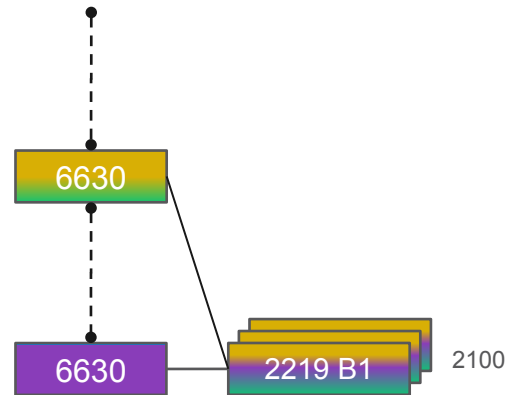
A3.1.2. Ivanovo

2T2R WL21

BB 6630 (1) LTE+NR
LTE 6 CC (180 ABW) + NR 6 CC (180 ABW)
LTE+NR FDD 5Mhz HWAC: 18+18
HUP 2

BB 6630 (1) WCDMA
WCDMA: 9
HUP: 1

Radio Power 20W HWAC: 15
CPRI links: 6
CPRI cascade:
Transport: 1 Gbit



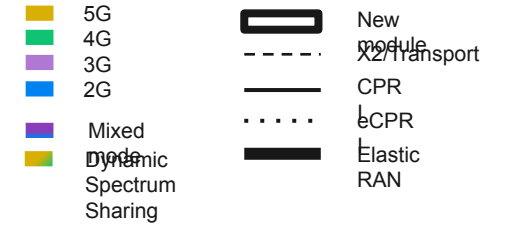
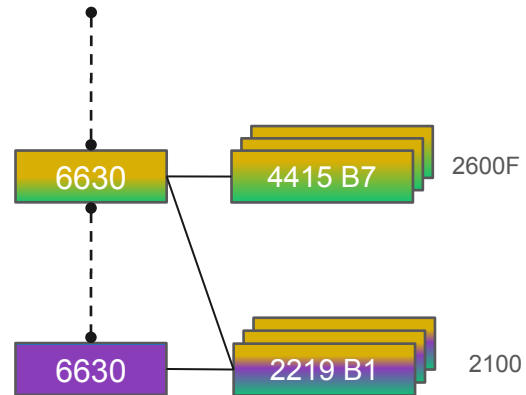
A3.1.2. + A1.2.6.

2T2R WL21; 4T4R L26

BB 6630 (1) LTE+NR
LTE 6 CC (210 ABW) + NR 6 CC (210 ABW)
LTE+NR FDD 5Mhz HWAC: 15+15
HUP 3

BB 6630 (1) WCDMA
WCDMA: 6
HUP: 0

Radio Power 20W HWAC: 36
CPRI links: 9
Transport: 1 Gbit



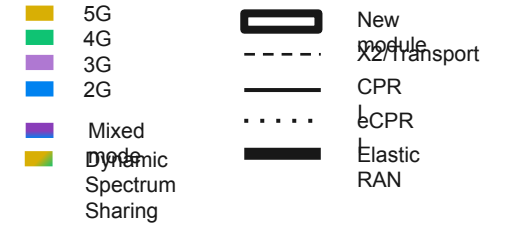
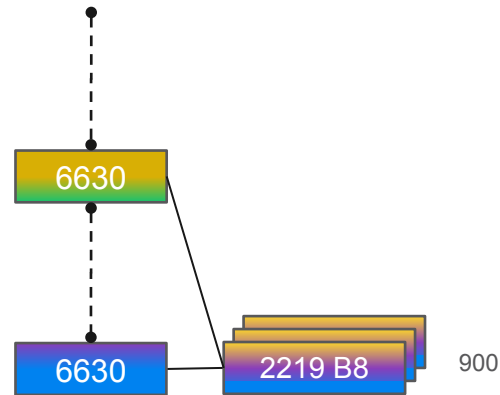
A3.1.3.

2T2R GWL9

BB 6630 (1) LTE+NR
LTE 6 CC (60 ABW) + NR 6 CC (60 ABW)
LTE+NR FDD 5Mhz HWAC: 6+6
HUP 0

BB 6630 (2) WCDMA+GSM
WCDMA: 6
GSM: 12
HUP: 1

Radio Power 20W HWAC: 15
CPRI links: 6
Transport: 1 Gbit



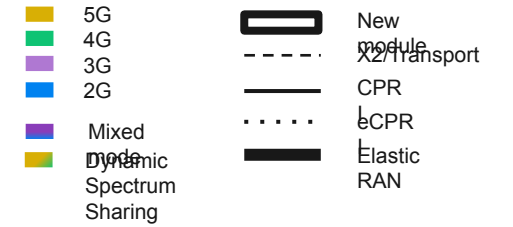
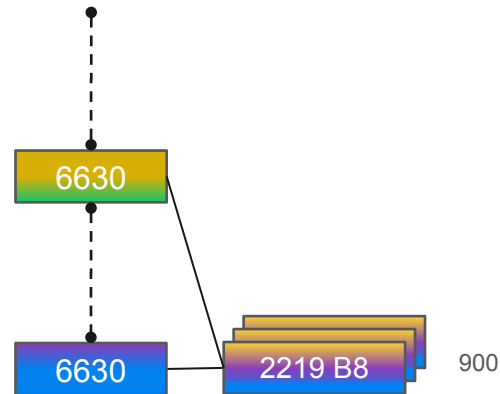
A3.1.3. KTY

2T2R GWL9

BB 6630 (1) LTE+NR
LTE 6 CC (60 ABW) + NR 6 CC (60 ABW)
LTE+NR FDD 5Mhz HWAC: 6+6
HUP 0

BB 6630 (2) WCDMA+GSM
WCDMA: 6
GSM: 12
HUP: 1

Radio Power 20W HWAC: 15
CPRI links: 6
Transport: 1 Gbit



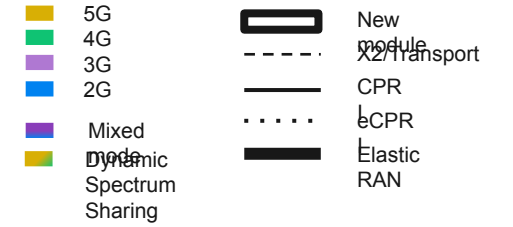
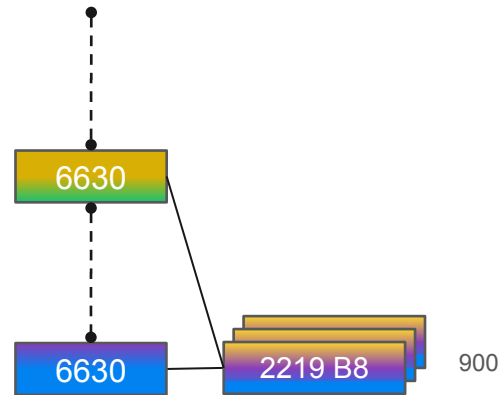
A3.1.3. Ivanovo

2T2R GWL9

BB 6630 (1) LTE+NR
LTE 6 CC (60 ABW) + NR 6 CC (60 ABW)
LTE+NR FDD 5Mhz HWAC: 6+6
HUP 0

BB 6630 (2) WCDMA+GSM
WCDMA: 6
GSM: 12
HUP: 1

Radio Power 20W HWAC: 15
CPRI links: 6
Transport: 1 Gbit



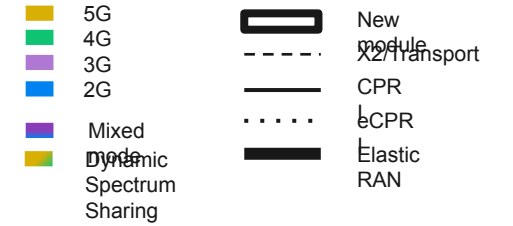
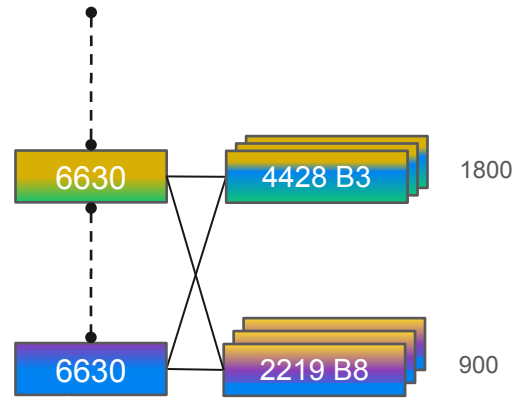
A3.1.3. + A1.2.4.

2T2R GWL9; 4T4R GL18

BB 6630 (1) LTE+NR
LTE 9 CC (300 ABW) + NR 9 CC (300 ABW)
LTE+NR FDD 5Mhz HWAC: 18+18
HUP 4

BB 6630 (2) WCDMA+GSM
WCDMA: 6
GSM: 24
HUP: 1

Radio Power 20W HWAC: 36
CPRI links: 12
Transport: 1 Gbit



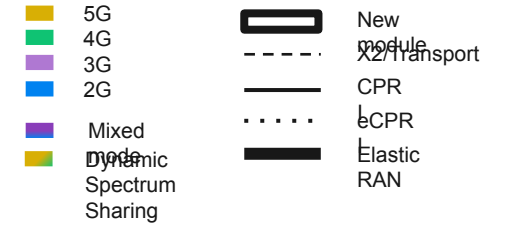
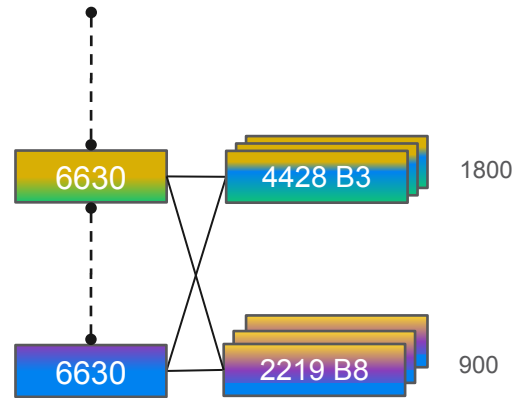
A3.1.3. + A1.2.4. KTY

2T2R GWL9; 4T4R GL18

BB 6630 (1) LTE+NR
LTE 12 CC (420 ABW) + NR 12 CC (420 ABW)
LTE+NR FDD 5Mhz HWAC: 24+24
HUP 6

BB 6630 (2) WCDMA+GSM
WCDMA: 6
GSM: 24
HUP: 1

Radio Power 20W HWAC: 36
CPRI links: 12
Transport: 1 Gbit



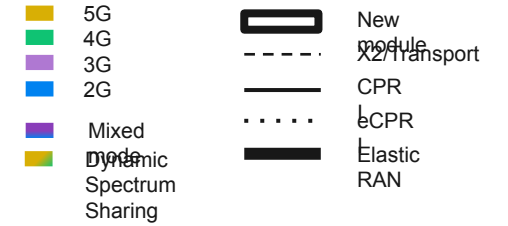
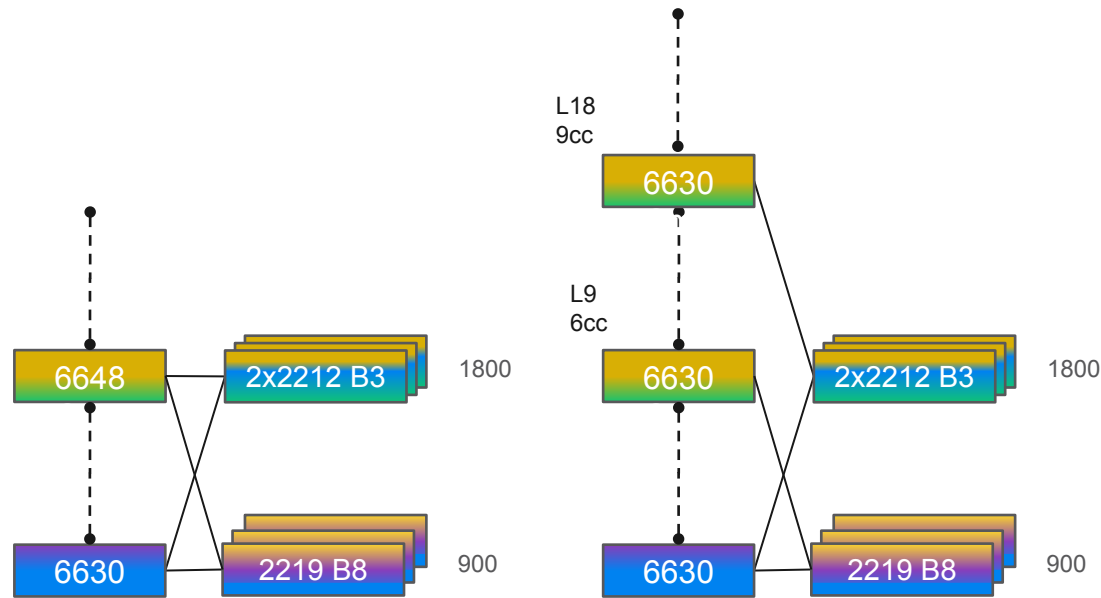
A3.1.3. + A1.2.4. Ivanovo

2T2R GWL9; 4T4R GL18

BB 6648 (1) LTE+NR
 LTE 15 CC (480 ABW) + NR 15 CC (480 ABW)
 LTE+NR FDD 5Mhz HWAC: 27+27
 MHUP 0

BB 6630 (1) WCDMA+GSM
 WCDMA: 6
 GSM: 24
 HUP: 1

Radio Power 20W HWAC: 60
 CPRI links: 12
 CPRI cascade: 3
 Transport: 1 Gbit



A3.1.3. + A1.2.4. + A1.3.1. KTY

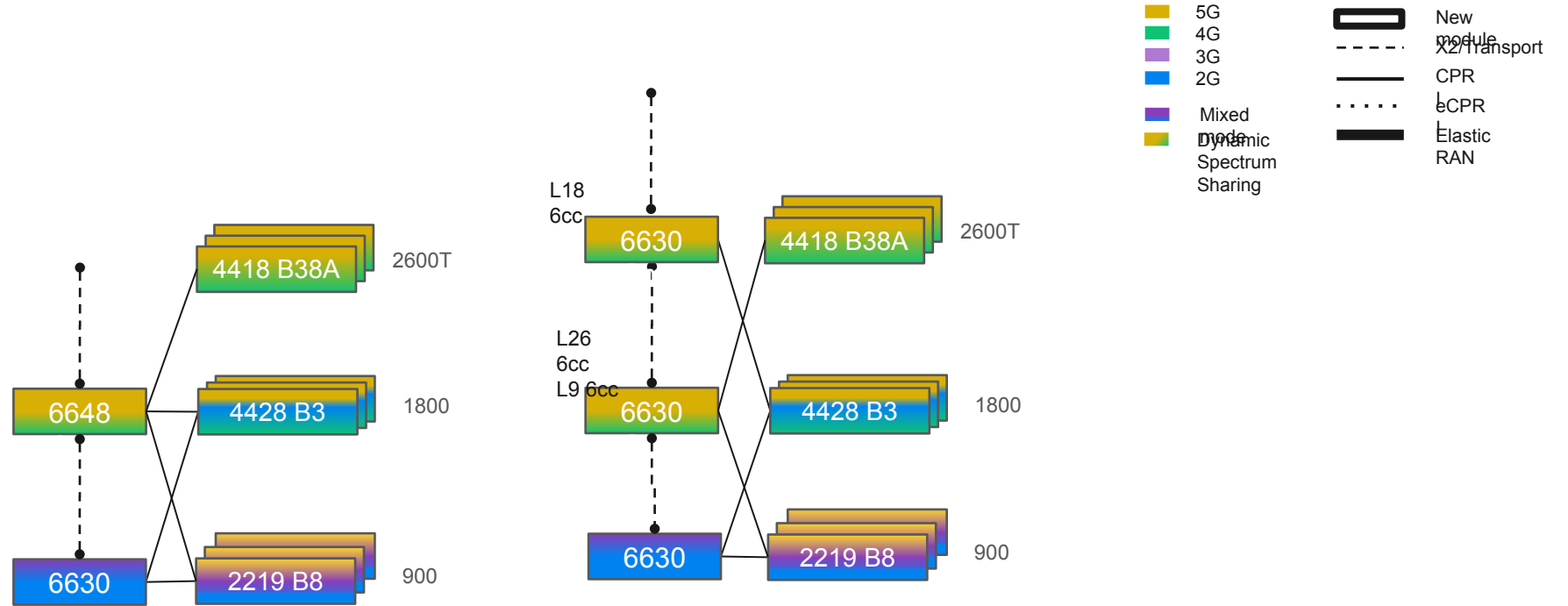
2T2R GWL9; 4T4R GL18, L26T



BB 6648 (1) LTE+NR
 LTE 18 CC (900 ABW) + NR 18 CC (900 ABW)
 LTE+NR FDD 5Mhz HWAC: 24+24
 LTE+NR TDD 5Mhz HWAC: 24+24
 MHUP 1

BB 6630 (1) WCDMA+GSM
 WCDMA: 6
 GSM: 24
 HUP: 1

Radio Power 20W HWAC: 57
 CPRI links: 15
 Transport: 1 Gbit



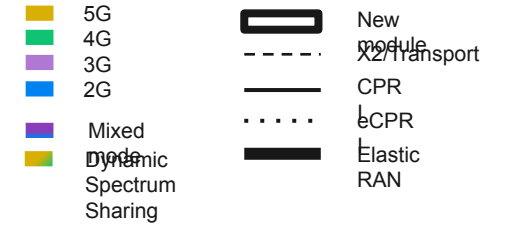
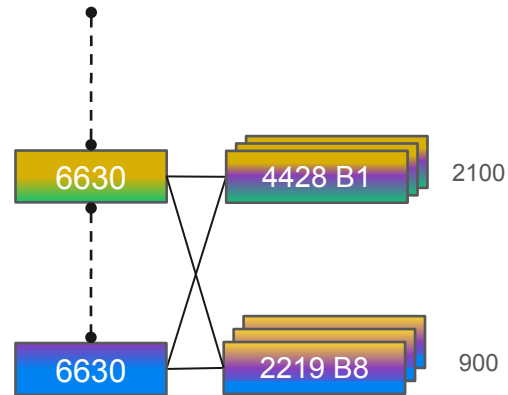
A3.1.3. + A1.2.5.

2T2R GWL9; 4T4R WL21

BB 6630 (1) LTE+NR
LTE 9 CC (240 ABW) + NR 9 CC (240 ABW)
LTE+NR FDD 5Mhz HWAC: 15+15
HUP 3

BB 6630 (2) WCDMA+GSM
WCDMA: 15
GSM: 12
HUP: 2

Radio Power 20W HWAC: 36
CPRI links: 12
Transport: 1 Gbit



A3.1.3. + A1.2.5. KTY

2T2R GWL9; 4T4R WL21

BB 6630 (1) LTE+NR

LTE 12 CC (420 ABW) + NR 12 CC (420 ABW)

LTE+NR FDD 5Mhz HWAC: 24+24

HUP 6

BB 6630 (2) WCDMA+GSM

WCDMA: 15

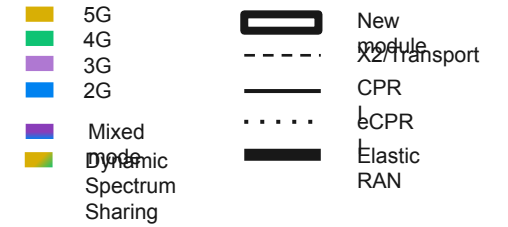
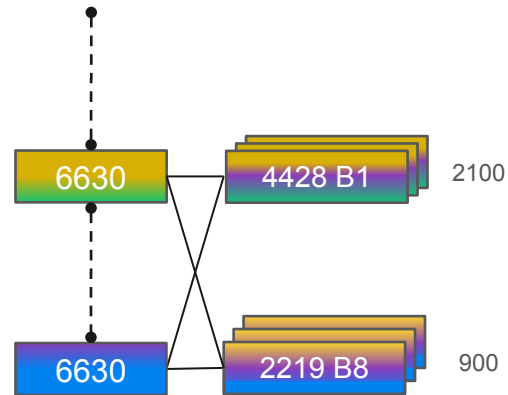
GSM: 12

HUP: 2

Radio Power 20W HWAC: 36

CPRI links: 12

Transport: 1 Gbit



A3.1.3. + A1.2.5. Ivanovo

2T2R GWL9; 4T4R WL21

BB 6630 (1) LTE+NR

LTE 12 CC (420 ABW) + NR 12 CC (420 ABW)

LTE+NR FDD 5Mhz HWAC: 24+24

HUP 6

BB 6630 (2) WCDMA+GSM

WCDMA: 15

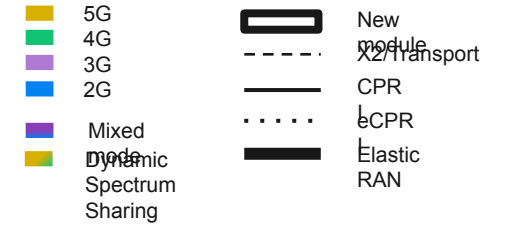
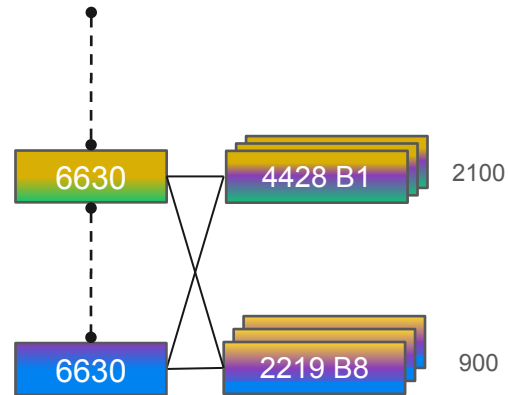
GSM: 12

HUP: 2

Radio Power 20W HWAC: 36

CPRI links: 12

Transport: 1 Gbit



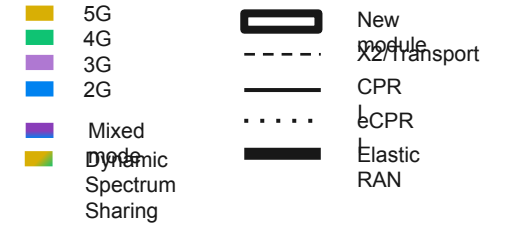
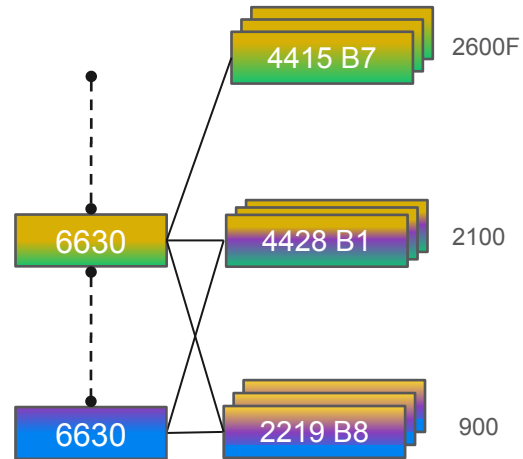
A3.1.3. + A1.2.5. + A1.2.6.

2T2R GWL9; 4T4R WL21, L26F

BB 6630 (1) LTE+NR
 LTE 12 CC (360 ABW) + NR 12 CC (360 ABW)
 LTE+NR FDD 5Mhz HWAC: 21+21
 HUP 5

BB 6630 (1) WCDMA+GSM
 WCDMA: 15
 GSM: 12
 HUP: 2

Radio Power 20W HWAC: 57
 CPRI links: 15
 Transport: 10 Gbit



A3.1.3. + A1.2.5. + A1.2.6. KTY

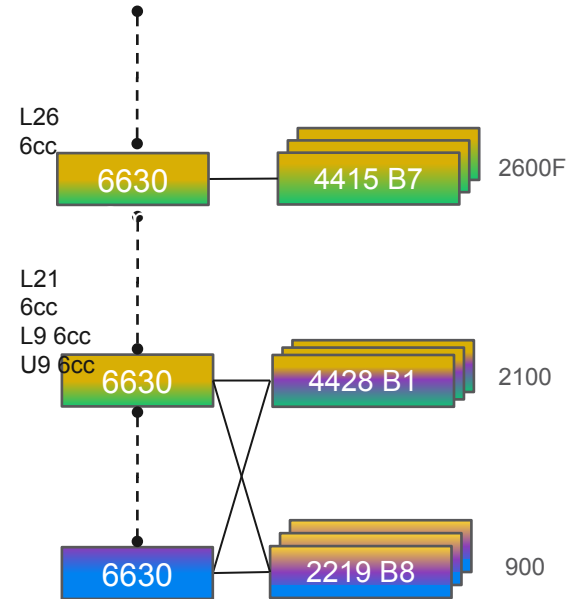
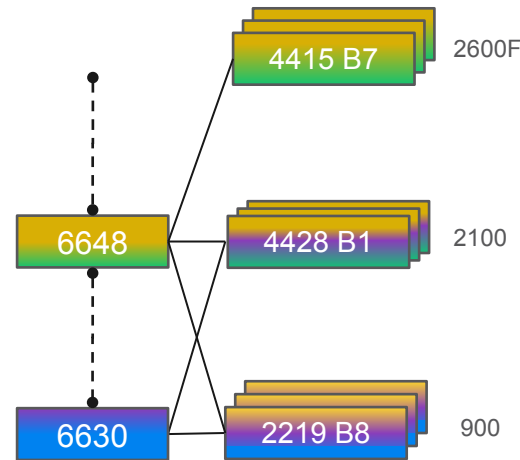
2T2R GWL9; 4T4R WL21, L26F



BB 6648 (1) LTE+NR
 LTE 18 CC (660 ABW) + NR 18 CC (660 ABW)
 LTE+NR FDD 5Mhz HWAC: 36+36
 HUP: 3

BB 6630 (1) WCDMA+GSM
 WCDMA: 15
 GSM: 12
 HUP: 2

Radio Power 20W HWAC: 57
 CPRI links: 15
 Transport: 10 Gbit



	5G		New module
	4G		X2/transport
	3G		CPR
	2G		eCPR
	Mixed		Elastic RAN
	Dynamic Spectrum Sharing		

A3.1.3. + A1.2.5. + A1.3.1.

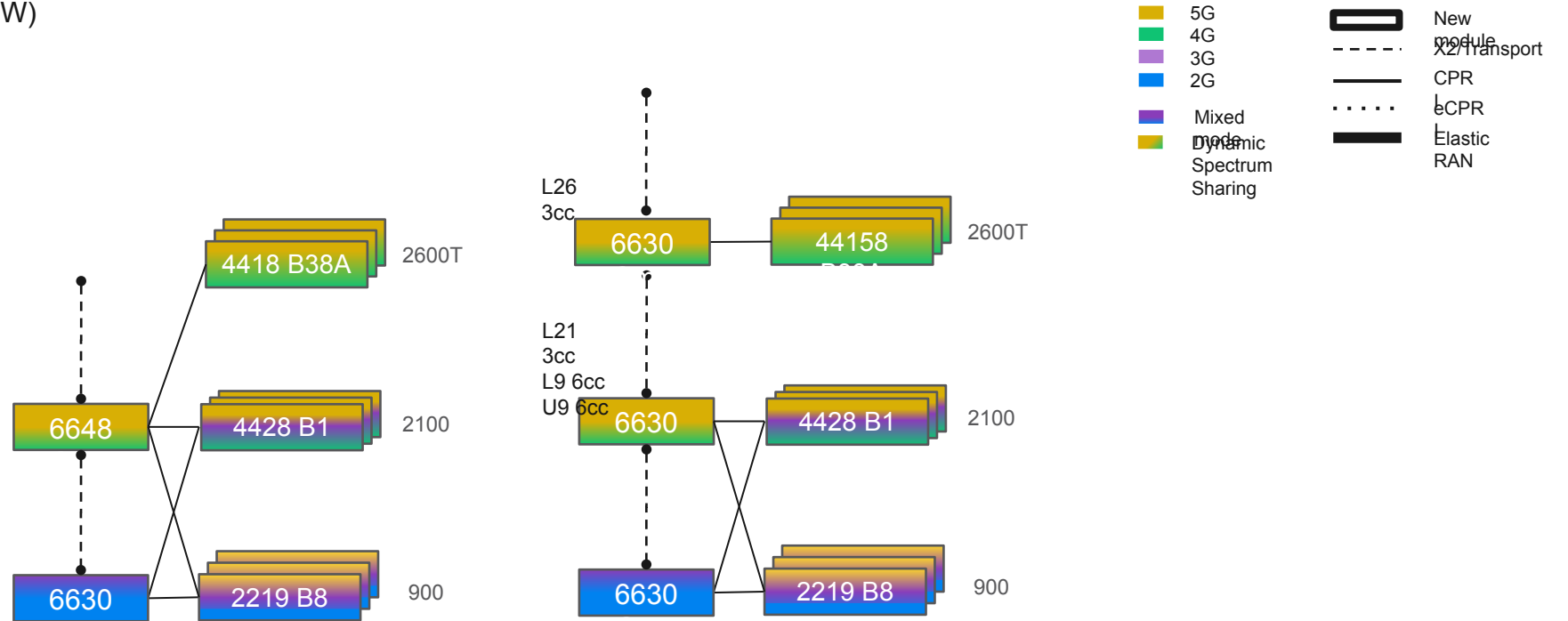
2T2R GWL9; 4T4R WL21, L26T



BB 6648 (1) LTE+NR
 LTE 12 CC (480 ABW) + NR 12 CC (480 ABW)
 LTE+NR FDD 5Mhz HWAC: 15+15
 LTE+NR TDD 5Mhz HWAC: 12+12
 MHUP 0

BB 6630 (1) WCDMA+GSM
 WCDMA: 15
 GSM: 12
 HUP: 2

Radio Power 20W HWAC: 57
 CPRI links: 15
 Transport: 10 Gbit



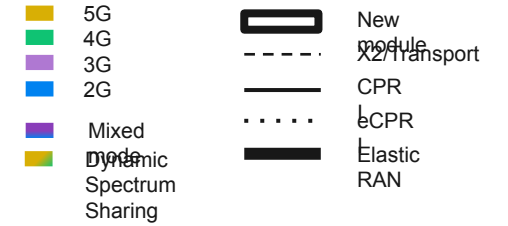
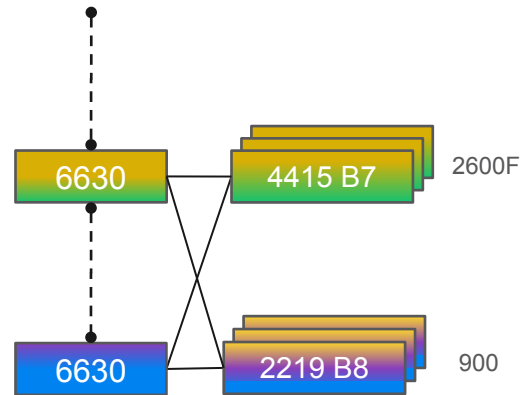
A3.1.3. + A1.2.6.

2T2R GWL9; 4T4R L26T

BB 6630 (1) LTE+NR
LTE 9 CC (180 ABW) + NR 9 CC (180 ABW)
LTE+NR FDD 5Mhz HWAC: 12+12
HUP 2

BB 6630 (1) WCDMA+GSM
WCDMA: 6
GSM: 12
HUP: 1

Radio Power 20W HWAC: 36
CPRI links: 12
Transport: 1 Gbit



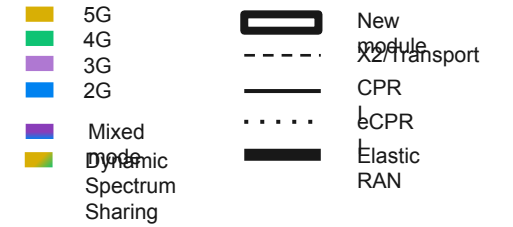
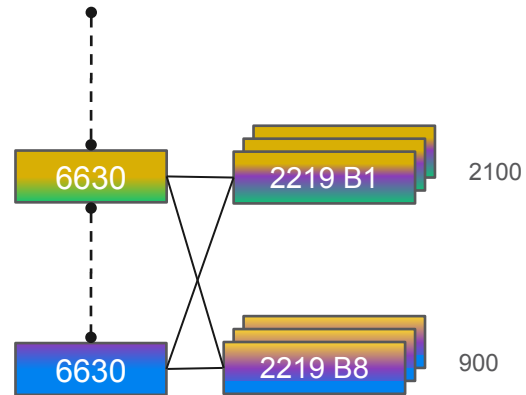
A3.1.3. + A3.1.2.

2T2R GWL9, WL21

BB 6630 (1) LTE+NR
LTE 9 CC (150 ABW) + NR 9 CC (150 ABW)
LTE+NR FDD 5Mhz HWAC: 15+15
HUP 2

BB 6630 (2) WCDMA+GSM
WCDMA: 15
GSM: 12
HUP: 2

Radio Power 20W HWAC: 30
CPRI links: 12
Transport: 1 Gbit



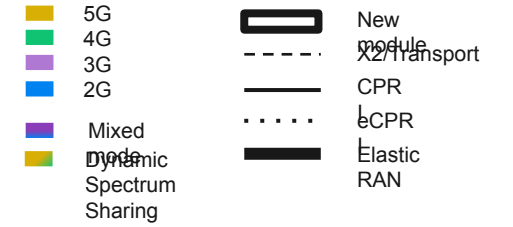
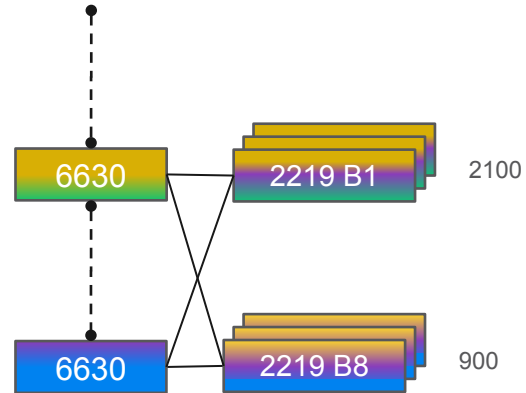
A3.1.3. + A3.1.2. KTY

2T2R GWL9, WL21

BB 6630 (1) LTE+NR
 LTE 12 CC (240 ABW) + NR 12 CC (240 ABW)
 LTE+NR FDD 5Mhz HWAC: 24+24
 HUP 3

BB 6630 (2) WCDMA+GSM
 WCDMA: 15
 GSM: 12
 HUP: 2

Radio Power 20W HWAC: 30
 CPRI links: 12
 Transport: 1 Gbit



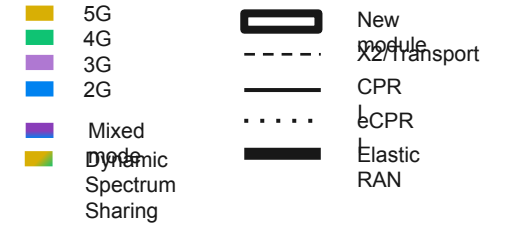
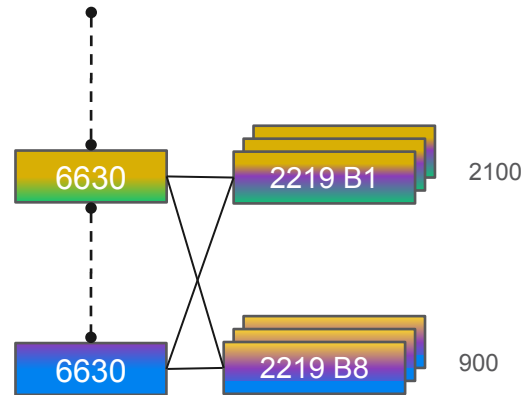
A3.1.3. + A3.1.2. Ivanovo

2T2R GWL9, WL21

BB 6630 (1) LTE+NR
LTE 12 CC (240 ABW) + NR 12 CC (240 ABW)
LTE+NR FDD 5Mhz HWAC: 24+24
HUP 3

BB 6630 (2) WCDMA+GSM
WCDMA: 15
GSM: 12
HUP: 2

Radio Power 20W HWAC: 30
CPRI links: 12
Transport: 1 Gbit



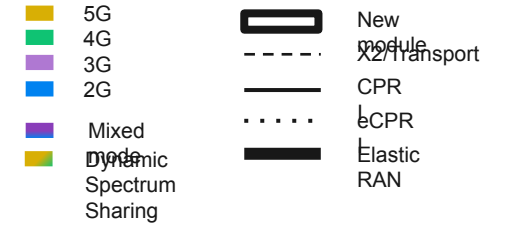
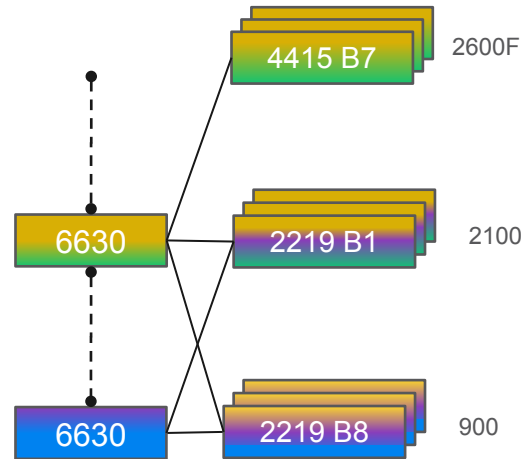
A3.1.3. + A3.1.2. + A1.2.6.

2T2R GWL9, WL21; 4T4R L26F

BB 6630 (1) LTE+NR
 LTE 12 CC (270 ABW) + NR 12 CC (270ABW)
 LTE+NR FDD 5Mhz HWAC: 21+21
 HUP 4

BB 6630 (2) WCDMA+GSM
 WCDMA: 15
 GSM: 12
 HUP: 2

Radio Power 20W HWAC: 51
 CPRI links: 15
 Transport: 1 Gbit



A3.1.3. + A3.1.2. + A1.2.6. KTY

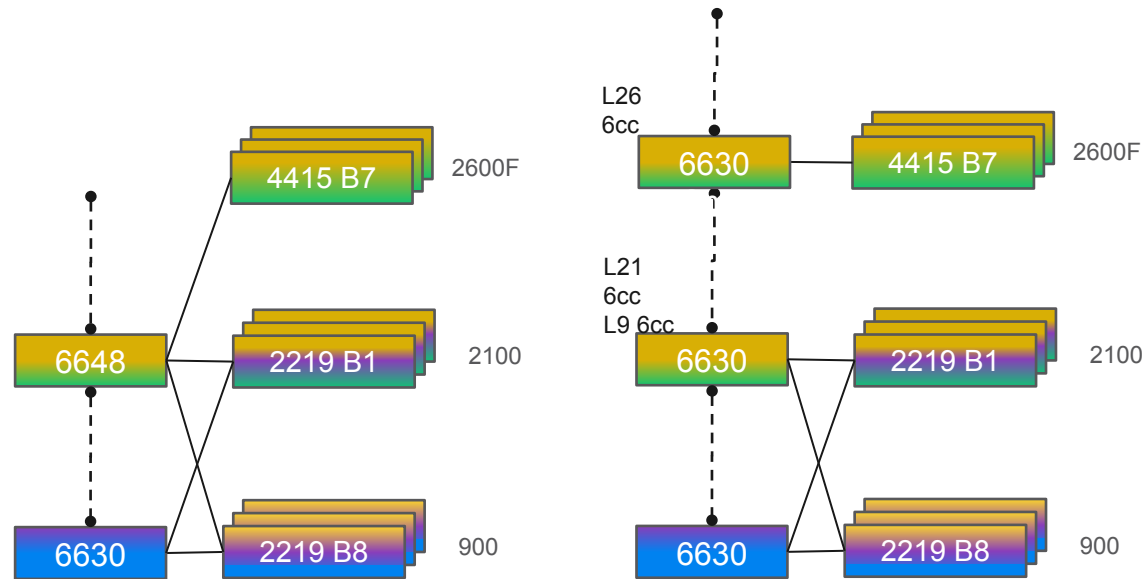
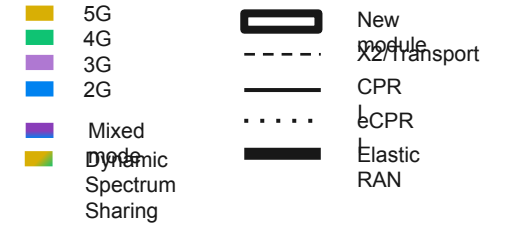
2T2R GWL9, WL21; 4T4R L26F



BB 6648 (1) LTE+NR
 LTE 18 CC (480 ABW) + NR 18 CC (480 ABW)
 LTE+NR FDD 5Mhz HWAC: 36+36
 MHUP 0

BB 6630 (1) WCDMA+GSM
 WCDMA: 15
 GSM: 12
 HUP: 2

Radio Power 20W HWAC: 57
 CPRI links: 15
 Transport: 10 Gbit



A3.1.3. + A3.1.2. + A1.2.6. + A1.3.1.

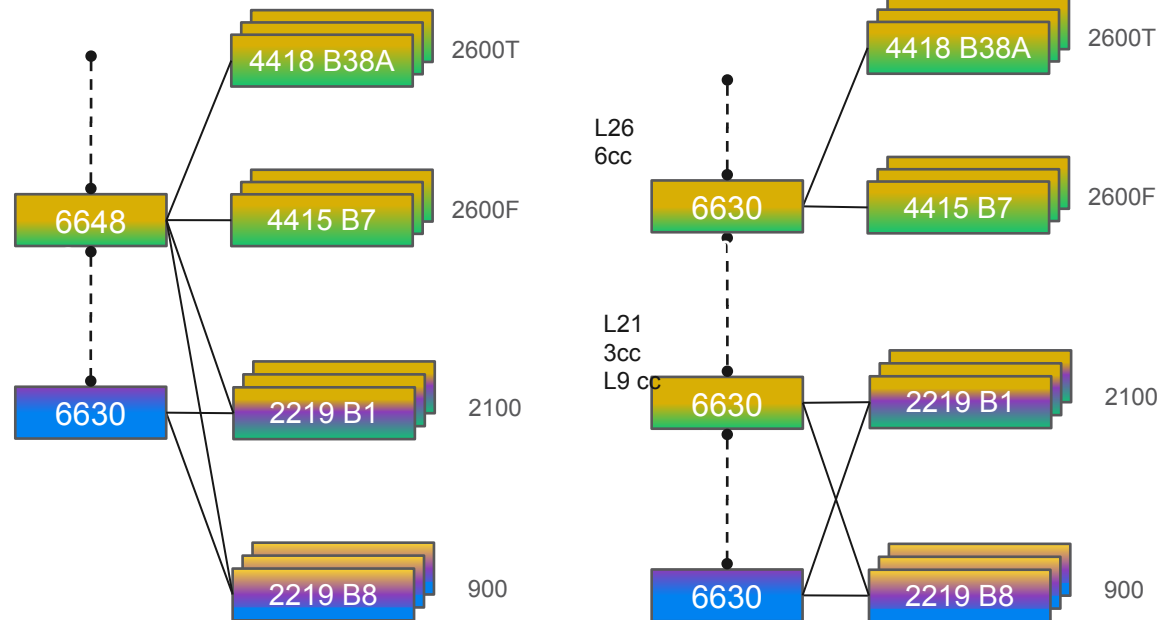
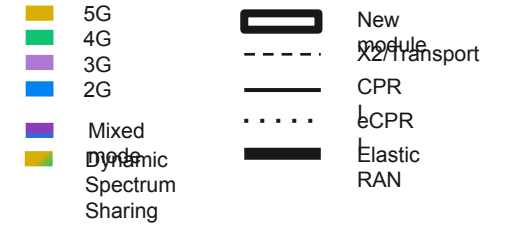
2T2R GWL9, WL21; 4T4R L26F, L26T



BB 6648 (1) LTE+NR
 LTE 15 CC (510 ABW) + NR 15 CC (510 ABW)
 LTE+NR FDD 5Mhz HWAC: 21+21
 LTE+NR TDD 5Mhz HWAC: 12+12
 HUP 0

BB 6630 (1) WCDMA+GSM
 WCDMA: 15
 GSM: 12
 HUP: 2

Radio Power 20W HWAC: 78
 CPRI links: 18
 Transport: 10 Gbit



A3.1.3. + A3.1.2. + A1.3.1.

2T2R GWL9, WL21; 4T4R L26T



BB 6648 (1) LTE+NR

LTE 12 CC (390 ABW) + NR 12 CC (390ABW)

LTE+NR FDD 5Mhz HWAC: 15+15

LTE+NR TDD 5Mhz HWAC: 12+12

HUP 0

BB 6630 (2) WCDMA+GSM

WCDMA: 15

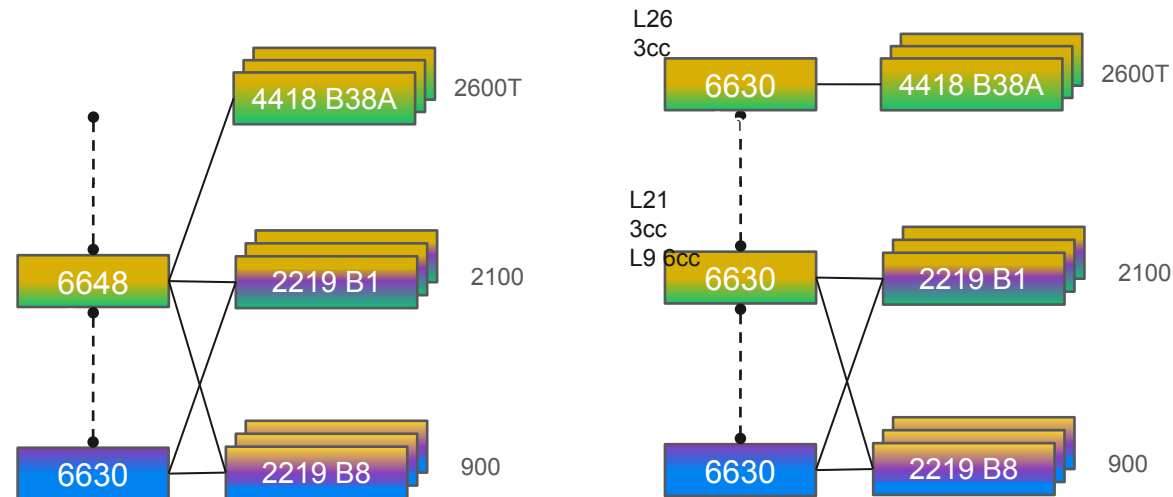
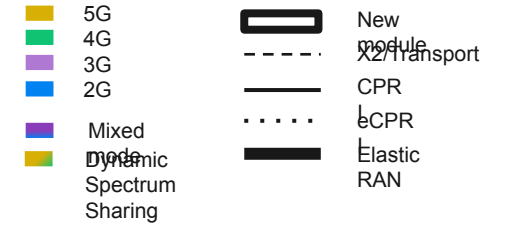
GSM: 12

HUP: 2

Radio Power 20W HWAC: 57

CPRI links: 15

Transport: 1 Gbit



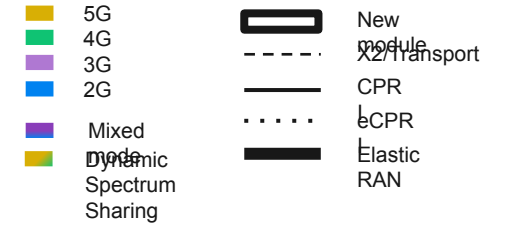
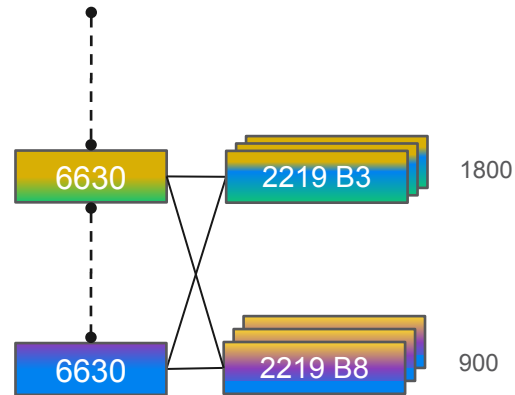
A3.1.3. + A3.1.5.

2T2R GWL9, GL18

BB 6630 (1) LTE+NR
 LTE 9 CC (180 ABW) + NR 9 CC (180 ABW)
 LTE+NR FDD 5Mhz HWAC: 18+18
 HUP 2

BB 6630 (2) WCDMA+GSM
 WCDMA: 6
 GSM: 24
 HUP: 1

Radio Power 20W HWAC: 36
 CPRI links: 12
 Transport: 1 Gbit



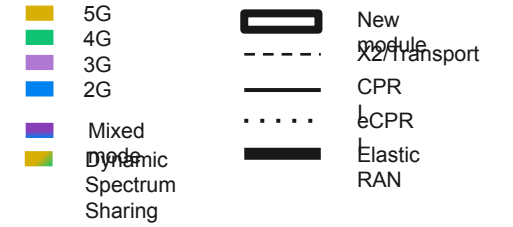
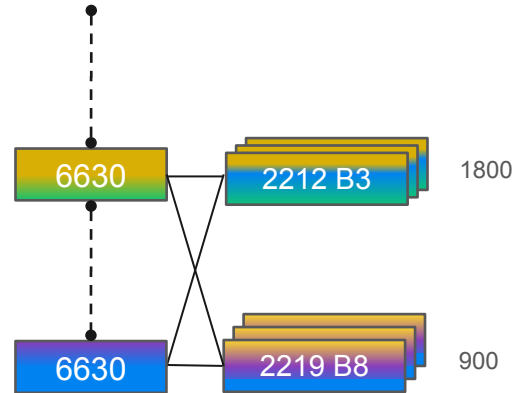
A3.1.3. + A3.1.5. KTY

2T2R GWL9, GL18

BB 6630 (1) LTE+NR
 LTE 12 CC (240 ABW) + NR 12 CC (240 ABW)
 LTE+NR FDD 5Mhz HWAC: 24+24
 HUP 3

BB 6630 (2) WCDMA+GSM
 WCDMA: 6
 GSM: 24
 HUP: 1

Radio Power 20W HWAC: 36
 CPRI links: 12
 Transport: 1 Gbit



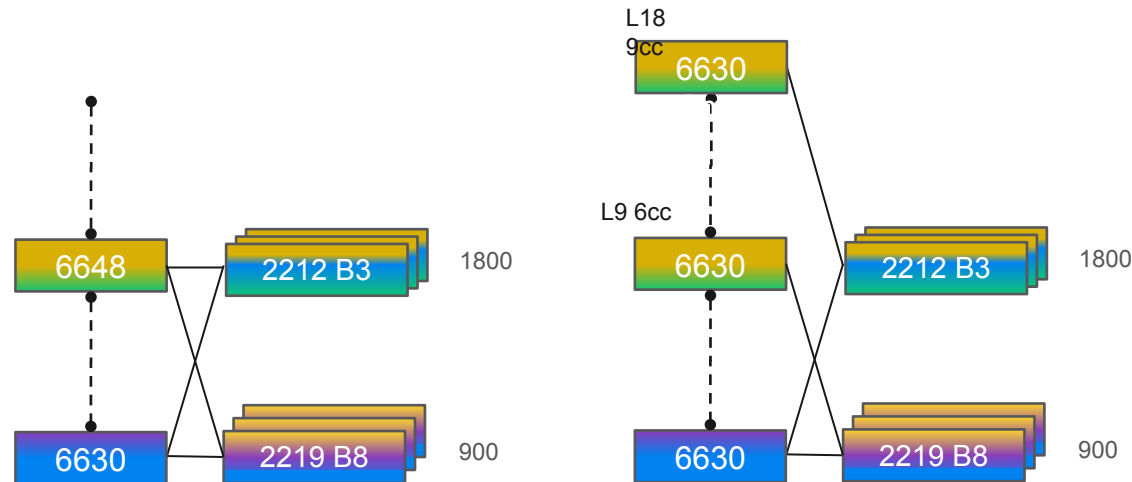
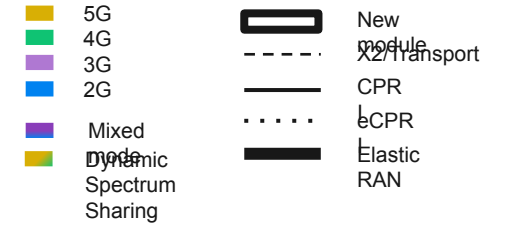
A3.1.3. + A3.1.5. Ivanovo

2T2R GWL9, GL18

BB 6648 (1) LTE+NR
 LTE 15 CC (270 ABW) + NR 15 CC (270 ABW)
 LTE+NR FDD 5Mhz HWAC: 27+27
 HUP 0

BB 6630 (1) WCDMA+GSM
 WCDMA: 6
 GSM: 24
 HUP: 1

Radio Power 20W HWAC: 36
 CPRI links: 12
 Transport: 1 Gbit



A3.1.3. + A3.1.5. + A1.2.6. KTY

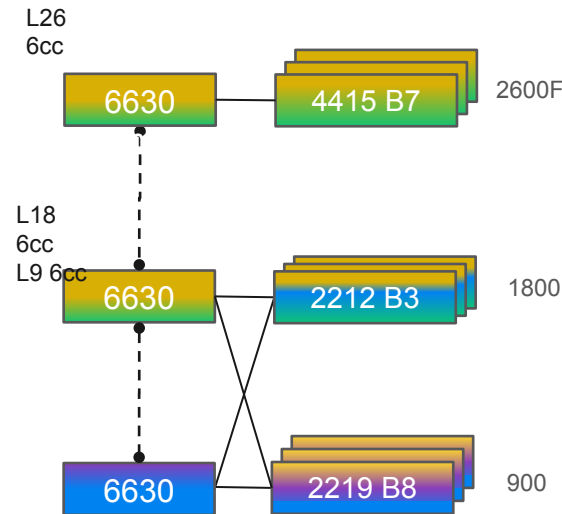
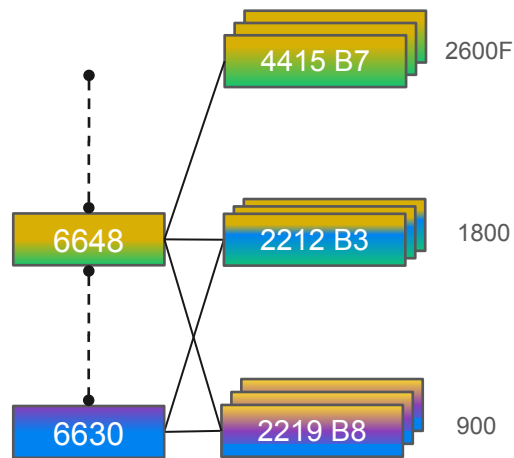
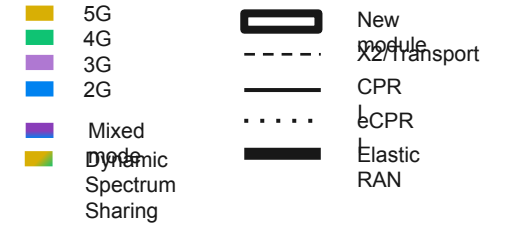
2T2R GWL9, GL18; 4T4R L26F



BB 6648 (1) LTE+NR
 LTE 18 CC (480 ABW) + NR 18 CC (480 ABW)
 LTE+NR FDD 5Mhz HWAC: 36+36
 MHUP 0

BB 6630 (2) WCDMA+GSM
 WCDMA: 6
 GSM: 24
 HUP: 1

Radio Power 20W HWAC: 57
 CPRI links: 15
 Transport: 1 Gbit



A3.1.3. + A3.1.5. + A1.2.6. + A1.3.1. KTY

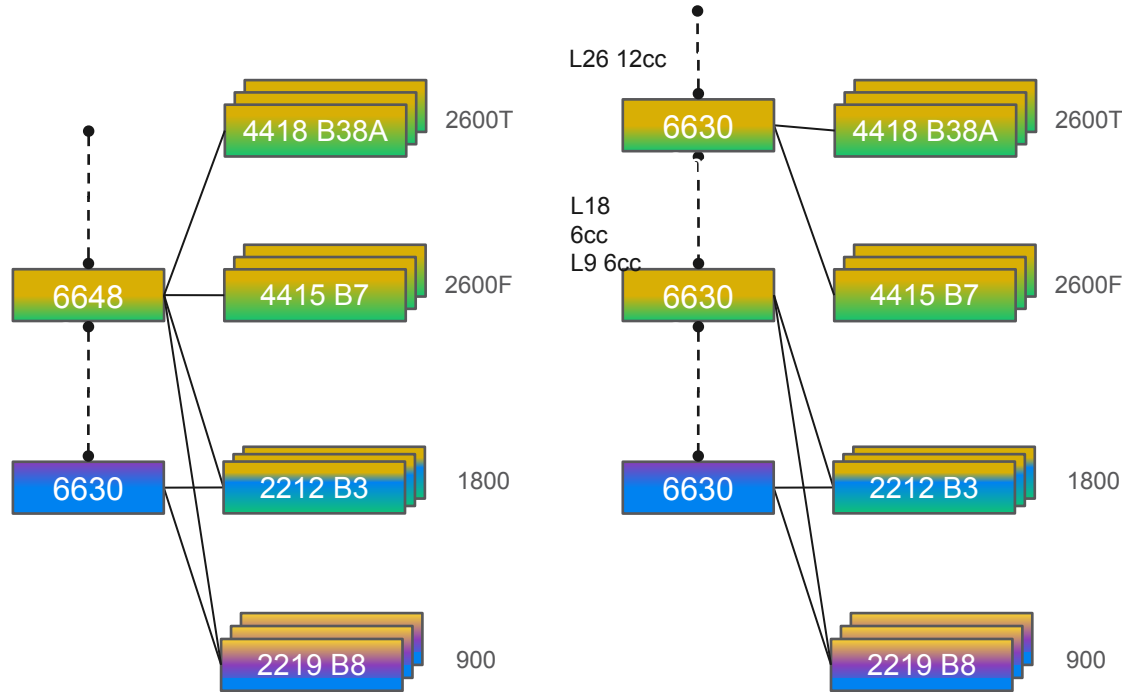
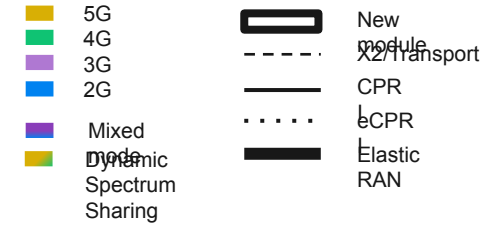


2T2R GWL9, GL18; 4T4R L26F, L26T

BB 6648 (1) LTE+NR
 LTE 24 CC (960 ABW) + NR 24 CC (960 ABW)
 LTE+NR FDD 5Mhz HWAC: 36+36
 LTE+NR FDD 5Mhz HWAC: 24+24
 MHUP 1

BB 6630 (2) WCDMA+GSM
 WCDMA: 6
 GSM: 24
 HUP: 1

Radio Power 20W HWAC: 78
 CPRI links: 18
 Transport: 10 Gbit



A3.1.3. + A3.1.5. + A1.3.1. KTY

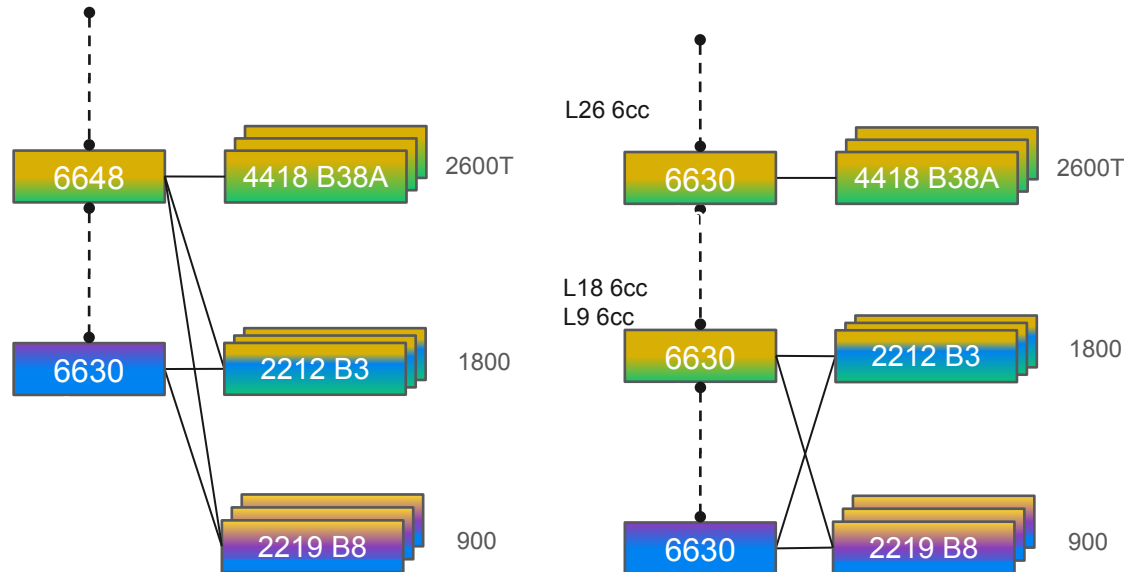
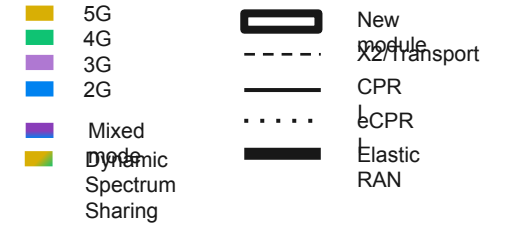
2T2R GWL9, GL18; 4T4R L26T



BB 6648 (1) LTE+NR
 LTE 18 CC (720 ABW) + NR 18 CC (720 ABW)
 LTE+NR FDD 5Mhz HWAC: 24+24
 LTE+NR FDD 5Mhz HWAC: 24+24
 HUP 4

BB 6630 (2) WCDMA+GSM
 WCDMA: 6
 GSM: 24
 HUP: 1

Radio Power 20W HWAC: 57
 CPRI links: 15
 Transport: 10 Gbit



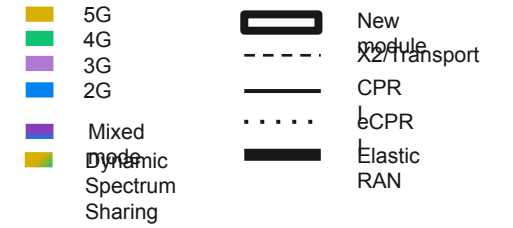
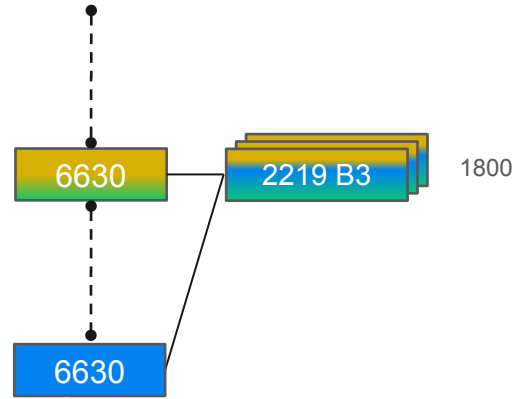
A3.1.5.

2T2R GL18

BB 6630 (1) LTE+NR
LTE 3 CC (120 ABW) + NR 3 CC (120 ABW)
LTE+NR FDD 5Mhz HWAC: 12+12
HUP 1

BB 6630 (2) GSM
GSM: 12

Radio Power 20W HWAC: 21
CPRI links: 6
Transport: 1 Gbit



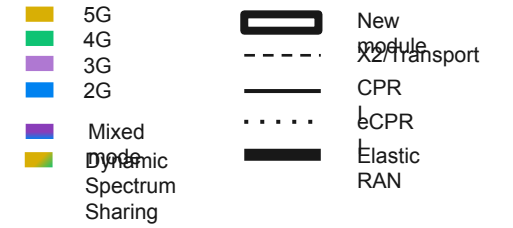
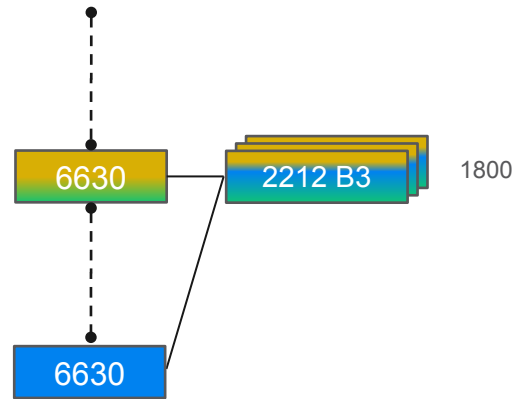
A3.1.5. KTY

2T2R GL18

BB 6630 (1) LTE+NR
LTE 6 CC (180 ABW) + NR 6 CC (180 ABW)
LTE+NR FDD 5Mhz HWAC: 18+18
HUP 2

BB 6630 (2) GSM
GSM: 12

Radio Power 20W HWAC: 21
CPRI links: 6
Transport: 1 Gbit



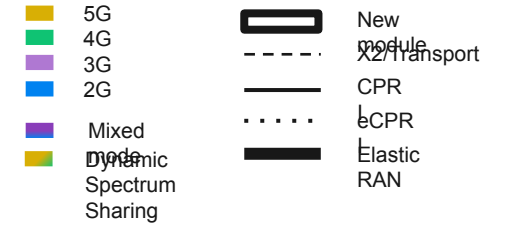
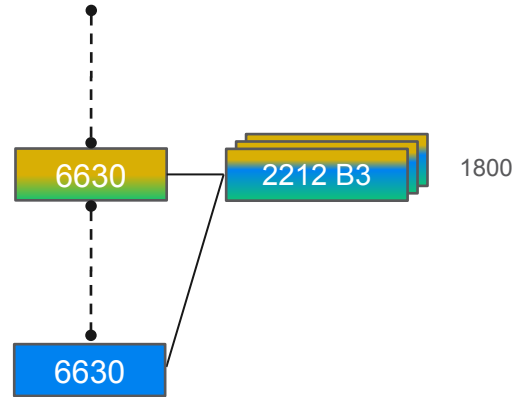
A3.1.5. Ivanovo

2T2R GL18

BB 6630 (1) LTE+NR
LTE 9 CC (210 ABW) + NR 9 CC (210 ABW)
LTE+NR FDD 5Mhz HWAC: 21+21
HUP 3

BB 6630 (2) GSM
GSM: 12

Radio Power 20W HWAC: 21
CPRI links: 6
Transport: 1 Gbit



A3.1.5. + A1.2.6.

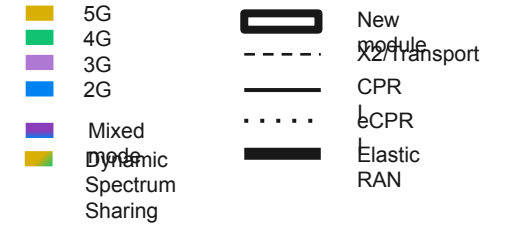
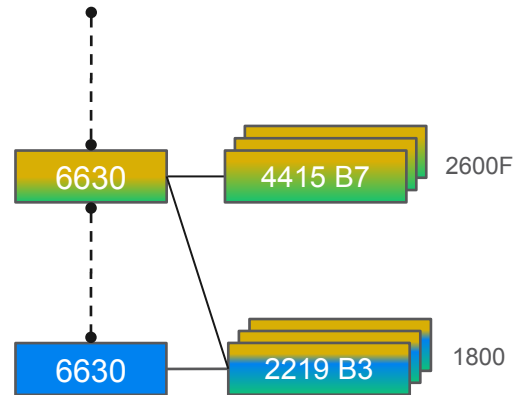
2T2R GL18; 4T4R L26

BB 6630 (1) LTE+NR
LTE 6 CC (240 ABW) + NR 6 CC (240 ABW)
LTE+NR FDD 5Mhz HWAC: 18+18
HUP 3

BB 6630 (2) GSM
GSM: 12

Radio Power 20W HWAC: 57

CPRI links: 9
Transport: 1 Gbit



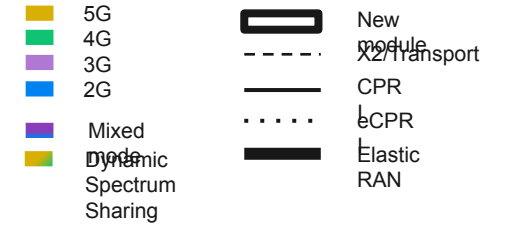
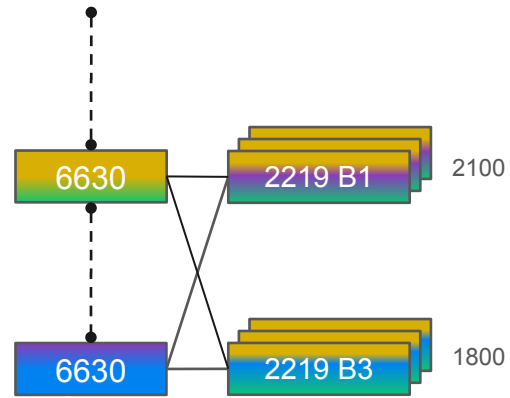
A3.1.5. + A3.1.2.

2T2R GL18, WL21

BB 6630 (1) LTE+NR
LTE 6 CC (210 ABW) + NR 6 CC (210 ABW)
LTE+NR FDD 5Mhz HWAC: 21+21
HUP 3

BB 6630 (2) WCDMA+GSM
WCDMA: 9
GSM: 12
HUP: 2

Radio Power 20W HWAC: 36
CPRI links: 12
Transport: 1 Gbit



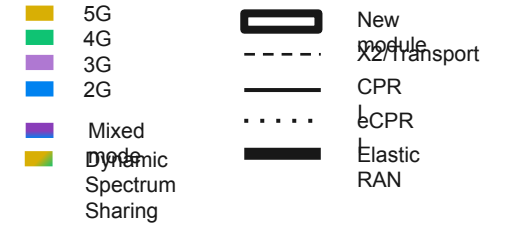
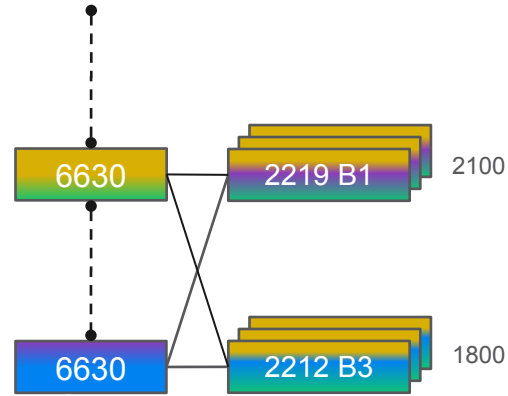
A3.1.5. + A3.1.2. KTY

2T2R GL18, WL21

BB 6630 (1) LTE+NR
 LTE 12 CC (360 ABW) + NR 12 CC (360 ABW)
 LTE+NR FDD 5Mhz HWAC: 36+36
 HUP 5

BB 6630 (2) WCDMA+GSM
 WCDMA: 9
 GSM: 12
 HUP: 2

Radio Power 20W HWAC: 36
 CPRI links: 12
 Transport: 1 Gbit



A3.1.5. + A3.1.2. Ivanovo

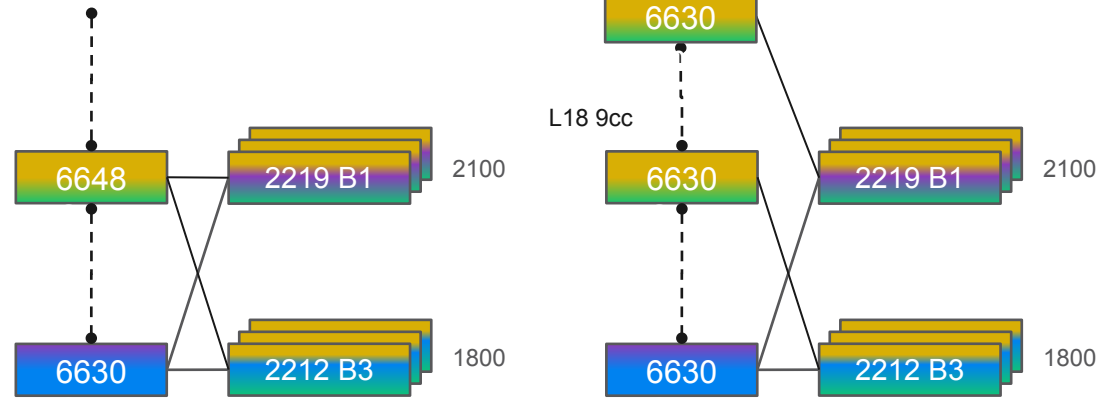
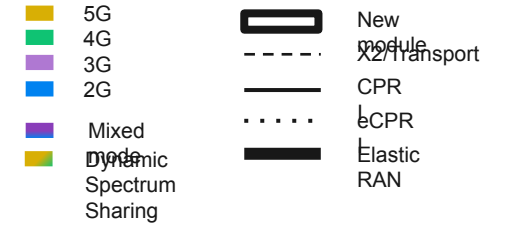
2T2R GL18, WL21



BB 6648 (1) LTE+NR
 LTE 15 CC (390 ABW) + NR 15 CC (390 ABW)
 LTE+NR FDD 5Mhz HWAC: 39+39
 HUP 0

BB 6630 (1) WCDMA+GSM
 WCDMA: 9
 GSM: 12
 HUP: 2

Radio Power 20W HWAC: 36
 CPRI links: 12
 Transport: 1 Gbit



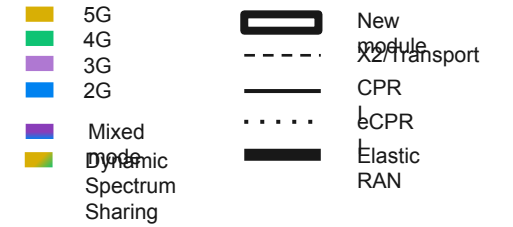
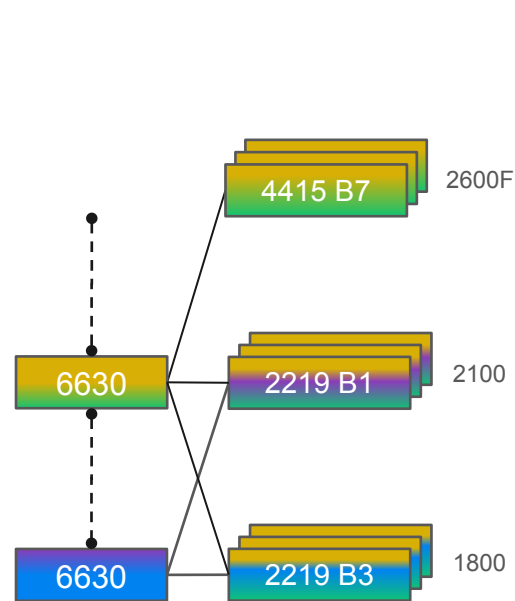
A3.1.5. + A3.1.2. + A1.2.6.

2T2R GL18, WL21; 4T4R L26F

BB 6630 (1) LTE+NR
LTE 9 CC (330 ABW) + NR 9 CC (330 ABW)
LTE+NR FDD 5Mhz HWAC: 27+27
HUP 5

BB 6630 (2) WCDMA+GSM
WCDMA: 9
GSM: 12
HUP: 2

Radio Power 20W HWAC: 57
CPRI links: 15
Transport: 10 Gbit



A3.1.5. + A3.1.2. + A1.2.6. KTY

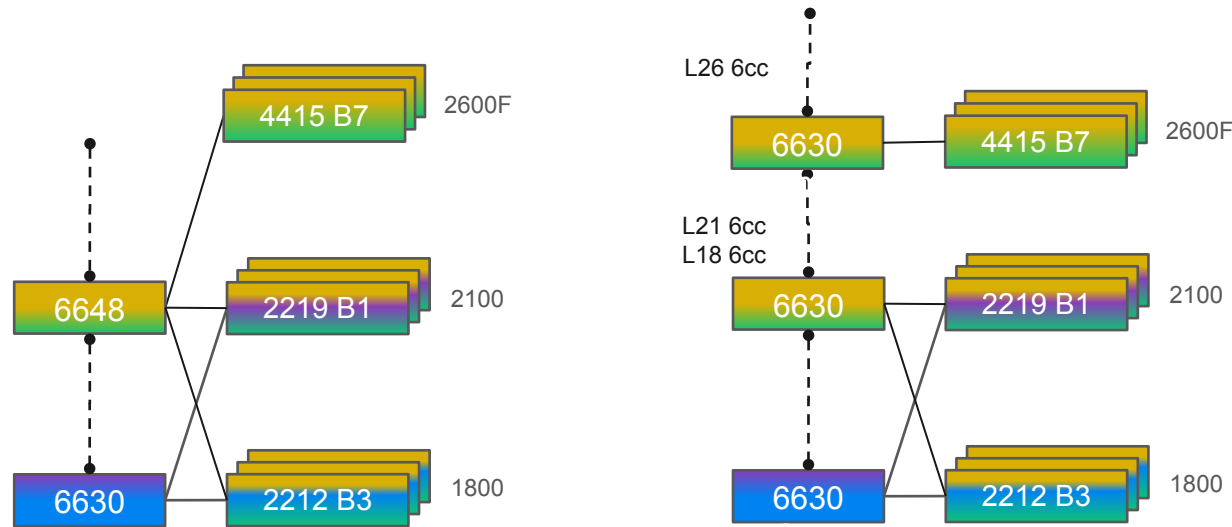
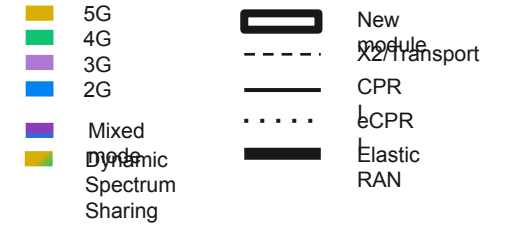
2T2R GL18, WL21; 4T4R L26F



BB 6648 (1) LTE+NR
 LTE 18 CC (600 ABW) + NR 18 CC (600 ABW)
 LTE+NR FDD 5Mhz HWAC: 48+48
 HUP 2

BB 6630 (1) WCDMA+GSM
 WCDMA: 9
 GSM: 12
 HUP: 2

Radio Power 20W HWAC: 57
 CPRI links: 15
 Transport: 10 Gbit



A3.1.5. + A3.1.2. + A1.2.6. Ivanovo

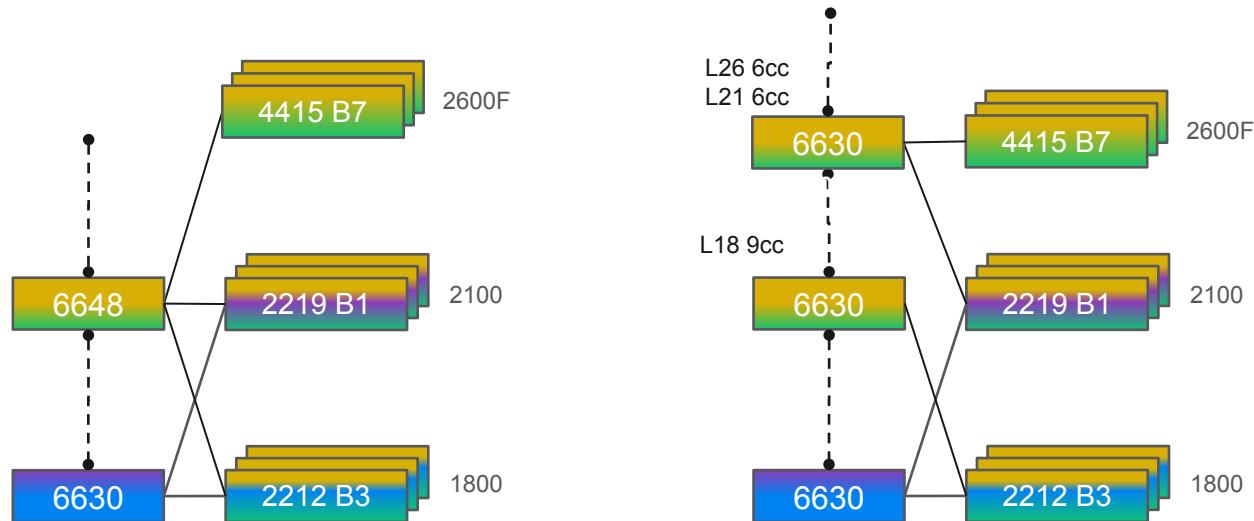
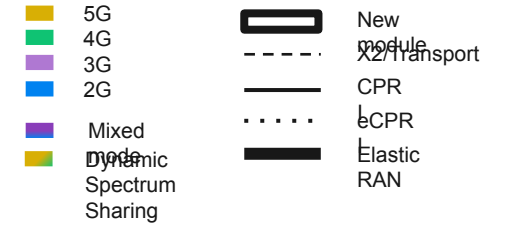
2T2R GL18, WL21; 4T4R L26F



BB 6648 (1) LTE+NR
 LTE 21 CC (630 ABW) + NR 21 CC (630 ABW)
 LTE+NR FDD 5Mhz HWAC: 51+51
 HUP: 3

BB 6630 (1) WCDMA+GSM
 WCDMA: 9
 GSM: 12
 HUP: 2

Radio Power 20W HWAC: 57
 CPRI links: 15
 Transport: 10 Gbit



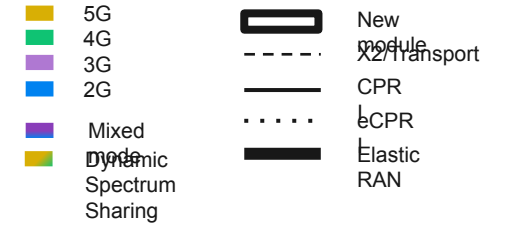
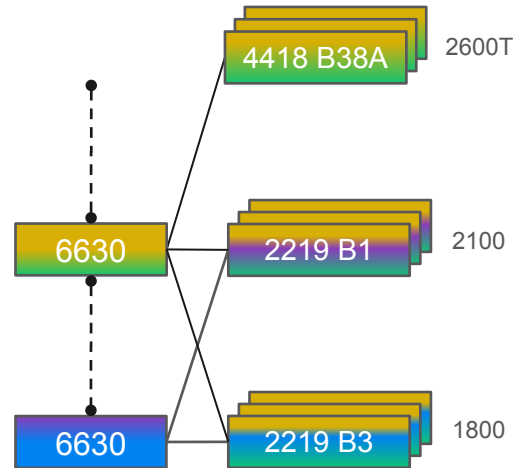
A3.1.5. + A3.1.2. + A1.3.1.

2T2R GL18, WL21; 4T4R L26T

BB 6630 (1) LTE+NR
 LTE 9 CC (450 ABW) + NR 9 CC (450 ABW)
 LTE+NR FDD 5Mhz HWAC: 21+21
 LTE+NR FDD 5Mhz HWAC: 12+12
 MHUP 1

BB 6630 (2) WCDMA+GSM
 WCDMA: 9
 GSM: 12
 HUP: 2

Radio Power 20W HWAC: 57
 CPRI links: 15
 Transport: 10 Gbit



A3.1.5. + A3.1.2. + A1.3.1. KTY

2T2R GL18, WL21; 4T4R L26T



BB 6648 (1) LTE+NR

LTE 18 CC (840 ABW) + NR 18 CC (840 ABW)

LTE+NR FDD 5Mhz HWAC: 36+36

LTE+NR FDD 5Mhz HWAC: 24+24

MHUP 1

BB 6630 (2) WCDMA+GSM

WCDMA: 9

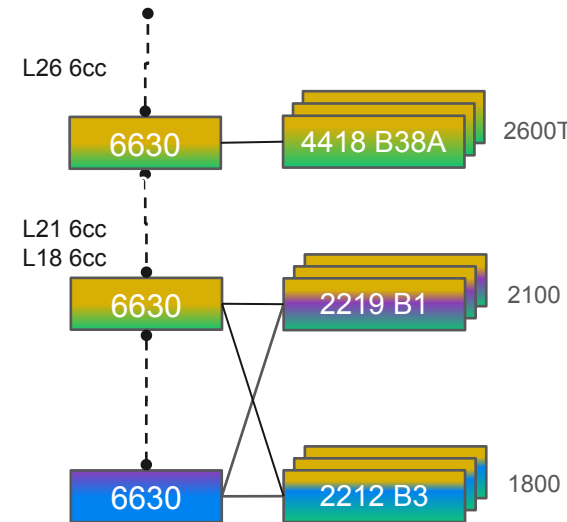
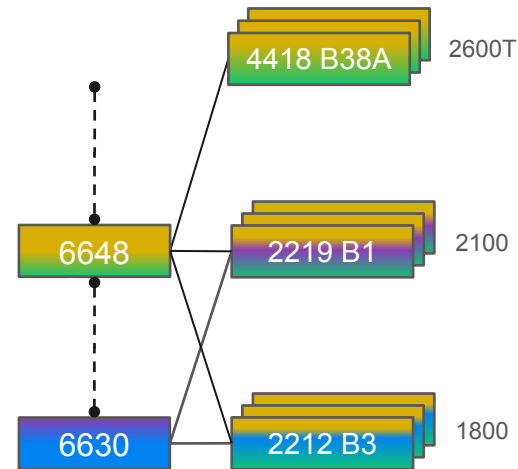
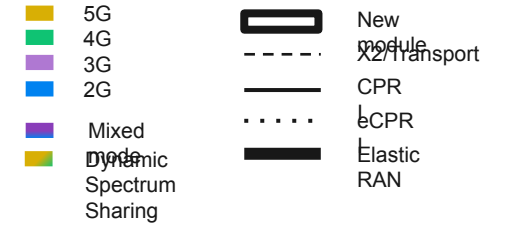
GSM: 12

HUP: 2

Radio Power 20W HWAC: 57

CPRI links: 15

Transport: 10 Gbit



A3.1.5. + A3.1.2. + A1.3.1. + A1.2.6.

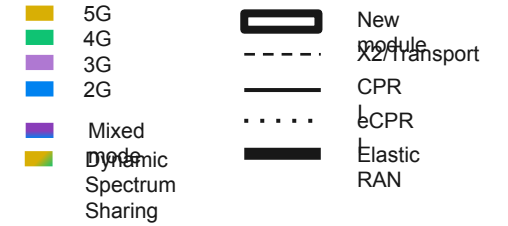
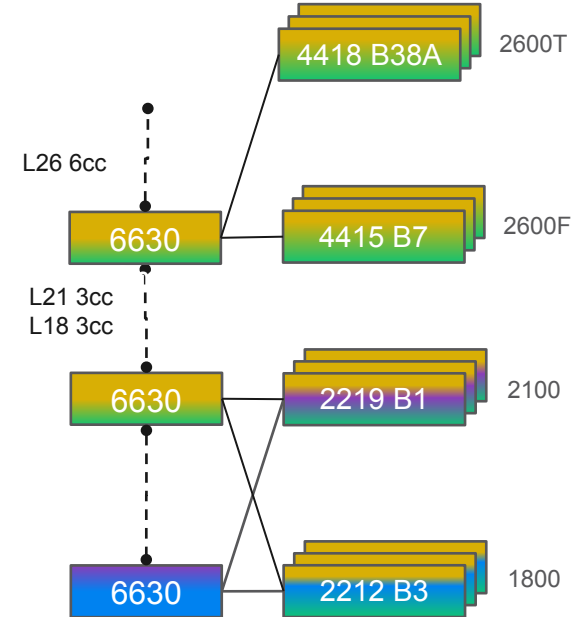
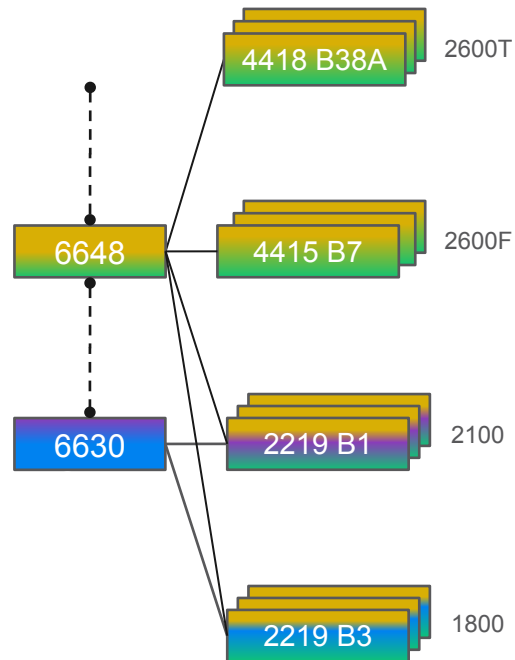
2T2R GL18, WL21; 4T4R L26T



BB 6648 (1) LTE+NR
 LTE 12 CC (570 ABW) + NR 12 CC (570 ABW)
 LTE+NR FDD 5Mhz HWAC: 27+27
 LTE+NR FDD 5Mhz HWAC: 12+12
 HUP: 2

BB 6630 (2) WCDMA+GSM
 WCDMA: 9
 GSM: 12
 HUP: 2

Radio Power 20W HWAC: 78
 CPRI links: 18
 Transport: 10 Gbit



A3.1.5. + A3.1.2. + A1.3.1. + A1.2.6. KTY

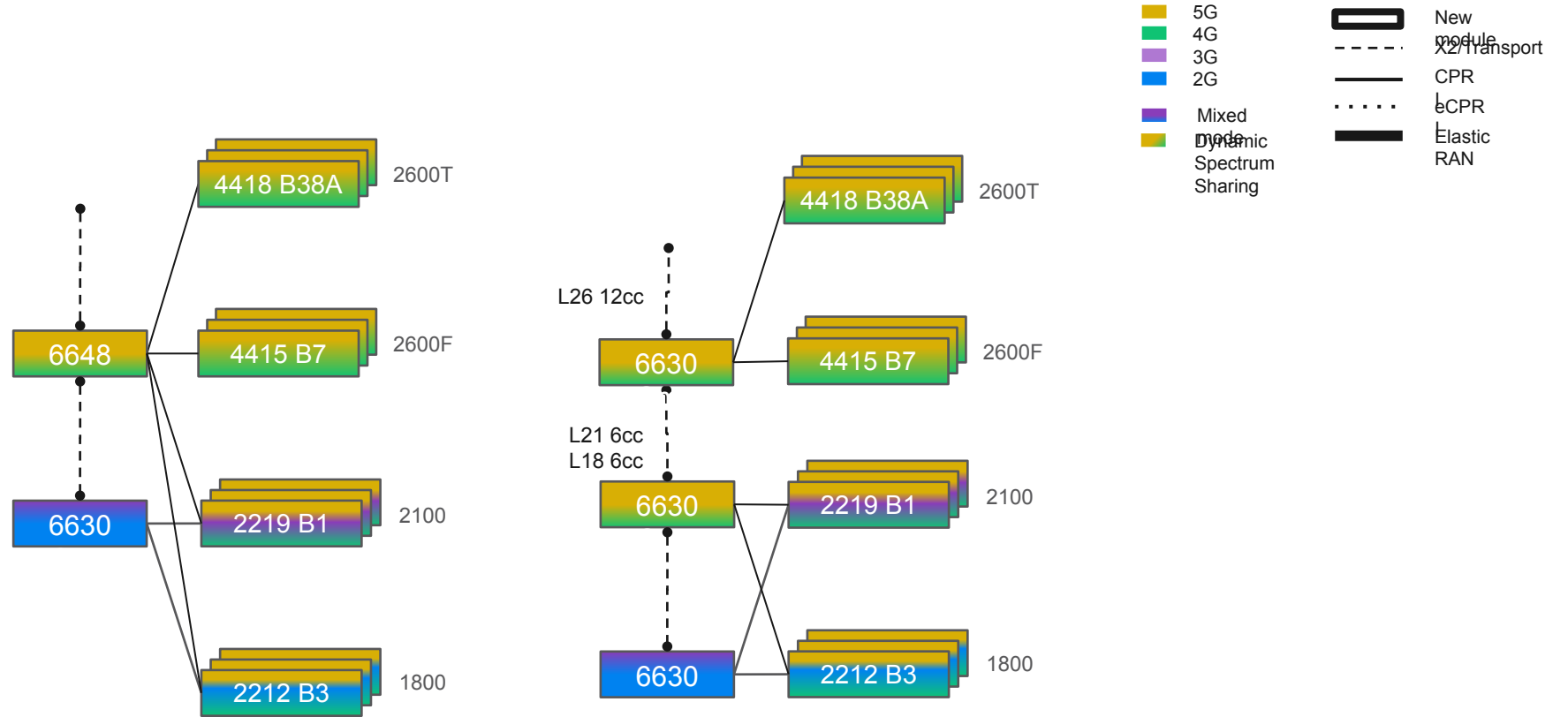


2T2R GL18, WL21; 4T4R L26T

BB 6648 (1) LTE+NR
 LTE 24 CC (1080 ABW) + NR 24 CC (1080 ABW)
 LTE+NR FDD 5Mhz HWAC: 48+48
 LTE+NR FDD 5Mhz HWAC: 24+24
 MHUP 1
 HUP 2

BB 6630 (2) WCDMA+GSM
 WCDMA: 9
 GSM: 12
 HUP: 2

Radio Power 20W HWAC: 78
 CPRI links: 18
 Transport: 10 Gbit



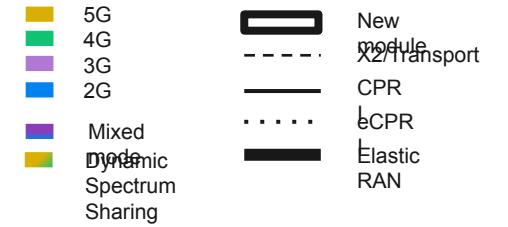
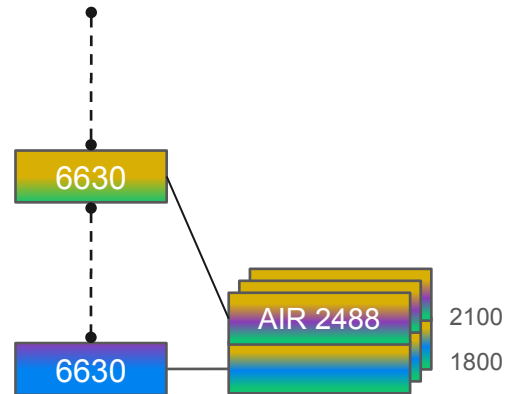
A3.1.6. KTY

2T2R GL18 , WL21

BB 6630 (1) LTE+NR
LTE 12 CC (360 ABW) + NR 12 CC (360 ABW)
LTE+NR FDD 5Mhz HWAC: 36+36
HUP 5

BB 6630 (2) WCDMA+GSM
WCDMA: 9
GSM: 12
HUP: 2

Radio Power 20W HWAC: 36
CPRI links: 6
Cascade:3
Transport: 1 Gbit



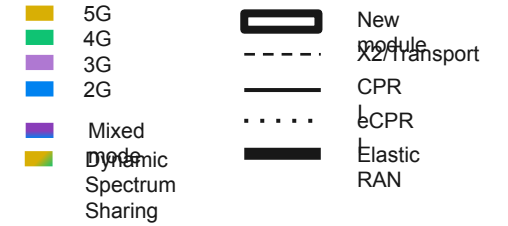
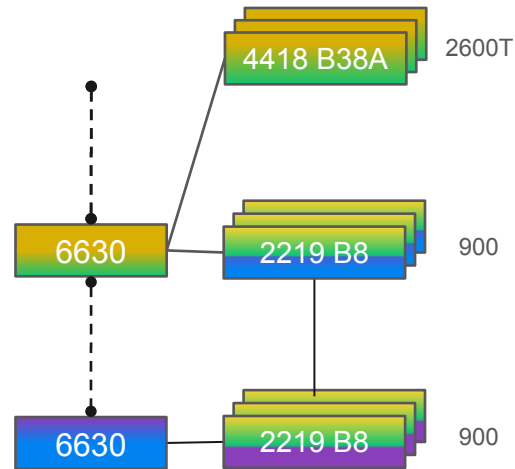
A3.1.7. + A1.3.1. 2T2R GWL9



BB 6630 (1) LTE+NR
LTE 9 CC (300 ABW) + NR 9 CC (300 ABW)
LTE+NR FDD 5Mhz HWAC: 6+6
LTE+NR TDD 5Mhz HWAC: 12+12
HUP 4

BB 6630 (2) WCDMA+GSM
WCDMA: 6
GSM: 12
HUP 1

Radio Power 20W HWAC: 51
CPRI links: 9
CPRI cascade: 3
Transport: 1 Gbit



B1.5.

Micro 2T2R L21

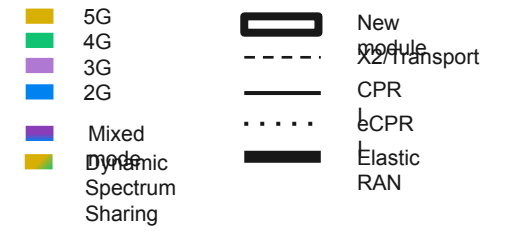
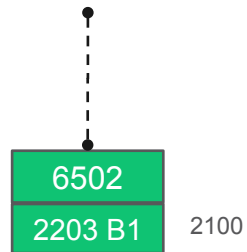
BB 6502 (1) LTE

Micro Radio HWAC 2x2: 1

LTE FDD 5MHz HWAC: 3

CPRI links: 1

Transport: 1 Gbit



B1.6.

Micro 2T2R L18

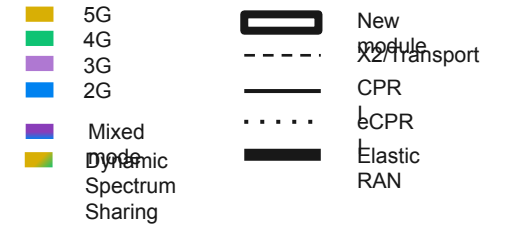
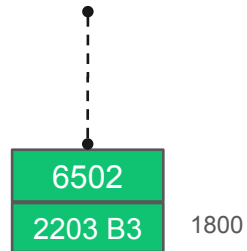
BB 6502 (1) LTE

Micro Radio HWAC 2x2: 1

LTE FDD 5MHz HWAC: 4

CPRI links: 1

Transport: 1 Gbit



Sharing A1.1.1. Ivanovo **TECT**

2T2R GWL9; 4T4R GL18, WL21, L26F, L26T



BB 6648 (1) LTE+NR

LTE 21 CC (1020 ABW) + NR 21 CC (1020 ABW)

LTE+NR FDD 5CC: 51+51

HUP: 1

MHUP: 2

BB 6630 (1)

WCDMA: 12CC

GSM: 24TRX

HUP: 2

BB 6630 (2) LTE+NR

LTE 12 CC (60 ABW) + NR 12 CC (60 ABW)

LTE+NR FDD 5CC: 6+6

HUP: 1

Radio Power 20W HWAC: 105

CPRI links: 24

CPRI cascade: 3

Transport: 10 Gbit; Xcede cable

