18 - 26,5 GHz

Calibration Source
18 -26,5 GHz

Horn A
OMT
LCP / RCP
RHC
LHC

Horn B
OMT
LCP / RCP
RHC
LHC

sw1 (RXMATRIX01 MSB)
sw2
sw3
sw4
sw5
sw6
sw7 (RXMATRIX01 LSB)

Synth. 1 = 10 - 16.5 GHz tunable (16GHz)
5.6 - 10GHz
18GHz - 26.5GHz
1st IF Nr. 1
Synth. 2 = 10 - 16.5 GHz tunable (12.4GHz)

Synth. 21 = 10GHz fix
6 - 10GHz
4GHz
2nd IF Nr. 1
5.6 - 8.1GHz
2,5GHz
Synth. 22 = 5.6GHz fix

Synth. 3 = 10 - 16.5 GHz tunable (16GHz)
1st IF 2
Synth. 4 = 10 - 16.5 GHz tunable (12.4GHz)

Synth. 5 = 10 - 16.5 GHz tunable (16GHz)
1st IF 3
Synth. 6 = 10 - 16.5 GHz tunable (12.4GHz)

Synth. 7 = 10 - 16.5 GHz tunable (16GHz)
1st IF 4
Synth. 8 = 10 - 16.5 GHz tunable (12.4GHz)

Synth. 9 = 10 - 16.5 GHz tunable
1st IF 5
Synth. 10 = 10 - 16.5 GHz tunable

Synth. 11 = 10 - 16.5 GHz tunable
1st IF 6
Synth. 12 = 10 - 16.5 GHz tunable

Synth. 13 = 10 - 16.5 GHz tunable
1st IF 7
Synth. 14 = 10 - 16.5 GHz tunable

2nd IF 2
2nd IF 3
2nd IF 4
2nd IF 5
2nd IF 6
2nd IF 7
2nd IF 8
2nd IF 9
2nd IF 10
2nd IF 11
2nd IF 12
2nd IF 13
2nd IF 14

Synth. 21 = 10GHz fix
Synth. 22 = 5.6GHz fix
BW = 2,5 GHz

Ch. 1 / BE 2 — BW = 4 GHz — AR1
Ch. 2 / BE 4 — BW = 2,5 GHz — AR2
Ch. 3 / BE 6 — BW = 2,5 GHz — AR3
Ch. 4 / BE 8 — BW = 2,5 GHz — AR4
Ch. 5 / BE 1 — BW = 2,5 GHz — AL1
Ch. 6 / BE 3 — BW = 2,5 GHz — AL2
Ch. 7 / BE 5 — BW = 2,5 GHz — AL3
Ch. 8 / BE 7 — BW = 2,5 GHz — AL4
Ch. 9 / BE 10 — BW = 2,5 GHz
Ch. 10 / BE 12 — BW = 2,5 GHz
Ch. 11 / BE 14 — BW = 2,5 GHz
Ch.12 / BE 16 — BW = 2,5 GHz
Ch. 13 / BE 9 — BW = 2,5 GHz
Ch. 14 / BE 11 — BW = 2,5 GHz
Ch. 15 / BE 13 — BW = 2,5 GHz
Ch.16 / BE 15 — BW = 2,5 GHz
Ch.17 / BE 17 — AR17 — BW = 2,5 GHz
Ch. 18 / BE 18 — AR18 — BW = 2,5 GHz
Ch. 19 / BE 19 — AR19 — BW = 2,5 GHz
Ch.20 / BE 20 — AR20 — BW = 2,5 GHz
Ch.21 / BE 21 — AR21 — BW = 2,5 GHz
Ch. 22 / BE 22 — AR22 — BW = 2,5 GHz
Ch. 23 / BE 23 — AR23 — BW = 2,5 GHz
Ch.24 / BE 24 — AR24 — BW = 2,5 GHz
Ch.25 / BE 25 — AR25 — BW = 2,5 GHz
Ch. 26 / BE 26 — AR26 — BW = 2,5 GHz
Ch. 27 / BE 27 — AR27 — BW = 2,5 GHz
Ch.28 / BE 28 — AR28 — BW = 2,5 GHz

Bitword for RXMATRIX01: S1 S2 S3 S4 S5 S6 S7

Baseband Unit
2,5GHz
300MHz
S14
S15
Equalizer
dB
dBm
Total Power
BW = 2,5 / 0.3GHz
IF out
BW = 2,5 / 0.3GHz
OPTOIF28

Änderungen			Datum	Name	Bezeichnung:	Blattzahl:
Datum	Name	gez.:	25.01.2018	R. Keller	K-Band Empfänger S14	
07.01.2019	R. Keller	gepr.:				Blatt-Nr.:
15.3.2019	R. Keller				Zeichnungs-Nr.:	
					bsb k-band neu Web.spl	