



Antenna 2006 2L 0M 2.4m

KRE 101 2723/1

65° | 1x 617–896 MHz | 16.5 dBi
4 x 4.3–10 ports

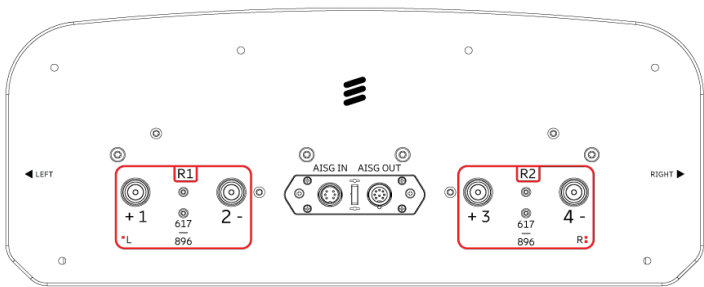
High Beam-efficiency

High electrical efficiency

Wide LB support

Replaceable RET

Layout of interface



Frequency range	Array	Ports
617–896 MHz	R1	1–2
617–896 MHz	R2	3–4

Electrical specifications, all ports

Values based on NGMN-P-BASTA (version 12.0) requirements:

Impedance	Ω	50
VSWR		< 1.5
Return Loss	dB	> 14
Inter-Cluster Isolation	dB	> 26
Passive Intermodulation	dBc	< –153 (2 x 43 dBm carrier)
Polarization	°	+45, –45
Max. Effective Power Whole Antenna	W	600

Lowband R1 / R2

Frequency Range	MHz	617 – 698	698 – 790	790 – 896
Gain	dBi	15.7	16.3	16.6

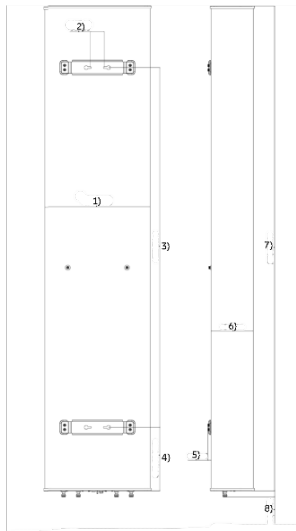
Values based on NGMN-P-BASTA (version 12.0) requirements:

Horizontal Pattern:

Azimuth Beamwidth	°	67 ± 4	65 ± 3	65 ± 6
Front-to-Back Ratio, Total Power, ± 30°	dB	> 22	> 24	> 23
Cross Polar Discrimination at Mechanical Boresight	dB	> 26	> 29	> 26

Vertical Pattern:

Elevation Beamwidth	°	10.5 ± 0.7	9.4 ± 0.7	8.6 ± 0.6
Electrical Downtilt continuously adjustable	°		2.0 – 12.0	
Elevation Downtilt Deviation	°	< 1.4	< 1.3	< 1.7
First Upper Sidelobe Suppression	dB	> 16	> 17	> 16
Upper Sidelobe Suppression, Peak to 20°	dB	> 16	> 17	> 16
Gain over all Tilts	dBi	15.0 ± 0.7	15.8 ± 0.5	16.2 ± 0.4
Intra-Cluster Isolation	dB		> 26	
Max. Effective Power per Port	W		250	



Dimensions in mm inch	
1)	499 19.6
2)	66 2.6
3)	1780 70.1
4)	314 12.4
5)	17 0.7
6)	199 7.8
7)	2400 94.5
8)	29.7 1.2

Mechanical specifications

Values based on NGMN-P-BASTA (version 12.0) requirements:

Input		2x 4.3-10 female		
Connector Position		bottom		
Adjustment Mechanism		RET, continuously adjustable		
Wind Load (at Rated Wind Speed: 150 km/h)	N lbf	Frontal:	1257 283	
		Lateral:	509 114	
		Rear:	1464 329	
Effective Projected Area (EPA)	m² sqft	Frontal:	1.158 12.468	
		Lateral:	0.469 5.049	
		Rear:	1.349 14.521	
Force Coefficient (CF)		Frontal:	0.967	
		Lateral:	0.391	
		Rear:	1.127	
Wind Load Standard		EN 1991-1-4		
Wind Load Laboratory		CFD calculated		
Max. Wind Velocity	km/h	200		
	mph	124		
Dimensions (Height / Width / Depth)	mm	2400 / 499 / 199		
	inches	94.5 / 19.2 / 7.8		
Category of Mounting Hardware		SXA 216 4732/1		
Weight	kg	35.5	clamps	43.6
	lb	78.2	included	96.1
Packing Size (Height / Width / Depth)	mm	2685 / 570 / 275		
	inches	105.7 / 22.4 / 10.8		

Environmental specifications

Temperature, Normal Operation	°C	-40 (Min) to 55 (Max)
Relative Humidity, Normal Operation	%	5 (Min) to 100 (Max)

Accessories (included in the scope of supply)

Product No.	Description	Remarks	Units per antenna
SXA 216 4732/1	Mounting clamps including Downtilt kit	Mast diameter (mm inches): 60–115 2.4–4.5	1
KRY 121 112/2	RET	Compliant to 3GPP / AISG 2.0	1

For optional accessories, please refer to <https://portfolio.ericsson.net/p/KRE1012723~1>

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