

4-Port Antenna

R1	B1
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KATHREIN

Frequency Range

790-960	1710-2180
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Dual Polarization

X	X
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HPBW

65°	65°
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Adjust. Electr. DT

0.5°-9.5°	0°-6°
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set by hand or by optional RCU (Remote Control Unit)

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19 NOV 2018



4-Port Antenna 790-960/1710-2180 65°/65° 16/18.5dBi 0.5°-9.5°/0°-6°T

Type No.	742265v02		
Lowband	R1, connector 1-2		
		790-960	
Frequency Range	MHz	790 - 862	824 - 894
Gain at mid Tilt	dBi	15.6	15.8
Gain over all Tilts	dBi	15.6 ± 0.3	15.8 ± 0.3
Horizontal Pattern:			
Azimuth Beamwidth	°	69 ± 0.9	68 ± 1.1
Front-to-Back Ratio, Total Power, ± 30°	dB	> 26	> 27
Cross Polar Discrimination at Boresight	dB	> 27	> 27
Cross Polar Discrimination over Sector	dB	> 14.0	> 14.0
Azimuth Beam Port-to-Port Tracking	dB	< 1.0	< 1.0
Vertical Pattern:			
Elevation Beamwidth	°	10.9 ± 0.5	10.6 ± 0.3
Electrical Downtilt continuously adjustable	°		0.5 - 9.5
Tilt Accuracy	°	< 0.3	< 0.3
First Upper Side Lobe Suppression	dB	> 15	> 15
Cross Polar Isolation	dB		> 30
Port to Port Isolation	dB		> 45 (R1 // B1)
Max. Effective Power per Port	W	400 (at 50 °C ambient temperature)	
Max. Effective Power Port 1-2	W	800 (at 50 °C ambient temperature)	

Values based on NGMN-P-BASTA (version 9.6) requirements.



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28 OCT 2020

REF

PLANNING PERMISSION
(See decision notice for details)
LAND PLANNING &
DEVELOPMENT LAW

15 JAN 2019

S. Rawls

DEVELOPMENT CONTROL

936.4836/b ngrm 04.19.01.00 Subject to alteration.

All specifications are subject to change without notice.
The latest specifications are available at www.kathreinusa.com

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