Band	698-960 / 1710-2690 x3
Polarization	X / XXX
Half-power Beam Width	65°

DKK Group

No. Model: 4X65-7891727RTDHW

Electrical Specifications

1	Operating Frequency Band ,[MHz]		698-960		1710-2690 x3		
2	Frequency Range ,[MHz]		698-806	806-960	1710-1880	1920-2170	2500-2690
3	Polarization , [degrees]		±45		±45, ±45, ±45		
4	Gain [dBi]		15.9 ±0.9	16.6 ±0.9	16.2 ±0.5	16.7 ±0.6	17.5 ±0.6
5	Horizontal Beam Width ,[degrees]		69.5 ±5.0	68 ±7.0	58±7.0	59±7.0	55 ±7.0
6	Front-to-Back Ratio (180°±30°) , [dB]		≧22	≧22	≧25	≧25	≧25
7 8	Cross Polar Discrimination	Boresight ,[dB]	≧10	≧10	≧10	≧10	≧10
9	Vertical Beam Width ,[degrees]		9.3 ±0.8	8.2 ±0.6	8.2 ±0.6	7.4 ±0.6	5.7 ±0.5
10	Adjustable Electrical Downtilt		0°-10°		0°-10°		
11	Sidelobe suppression for first sidelobe above main beam ,[dB]		≧14	≧14	≧15	≧15	≧15
12	VSWR		≦1.5		≦1.5		
13	Isolation [dB]	Cross Polar	≧25		≧25		
		Port to Port	≧25		≧25		
14	3rd Order PIM@2x43dBm		≦-150dBc		≦-150dBc		
15	Maximum Input Power		500W		250W		
16	Impedance		50Ω				
17	Lightning Protection		DC Ground				

18 Values based on NGMN-P-BASTA(Version 9.6) requirements

Mechanical Specifications

19	Redome Material	ASA
20	Connector Type	4.3-10 Female x8
21	Mounting Hardwere	
22	Mast Diameter Adjustable	ϕ50mm - ϕ115mm
23	Mechanical Downtilt Angle	0° - 15°
24	Operating Temperature Range	-40℃~+65℃
25	Operating Humidity	0 - 95%RH @+30℃
26	Enclosure Protection	IP55
27	RF Connector Protection	IP67
28	Wind Load(at 150km/h)	1283N / 131N / 1283N (Front/Rateral/Rear)
29	Wind Velocity	200 km/h
30	Weight	37kg
31	Dimension(Length x width x depth)	2460mm x 350mm x 250mm

RET Informations

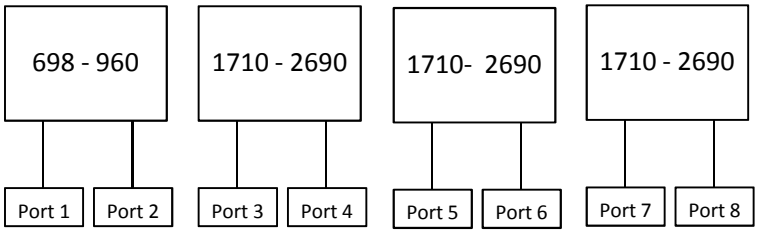
32	Protocol	3GPP / AISG 1.1 / AISG 2.0 Multi Type RET
33	Input Voltage	10 - 30 V
34	Power Consumption	< 1W (Idle state) < 8.5 W (Motor activated)
35	Number of Interface	Male: 1 , Female: 1

Band	698-960 / 1710-2690 x3
Polarization	X / XXX
Half-power Beam Width	65°

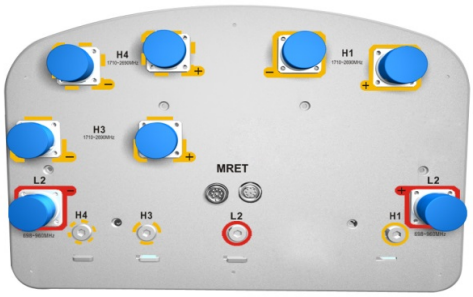
DKK Group

Model: 4X65-7891727RTDHW

RF Port Diagram



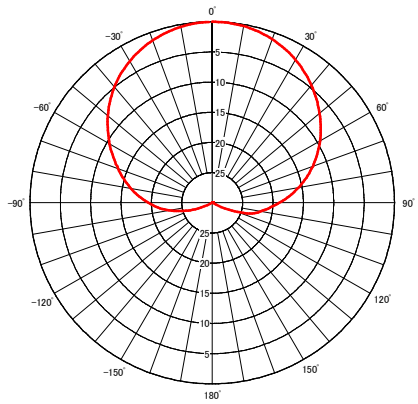
Layout of Interface (Antenna bottom view)



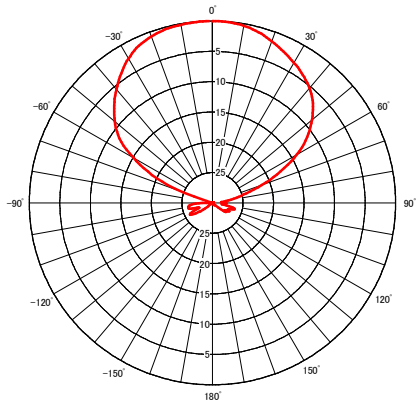
Radiation Pattern

Horizontal Plane

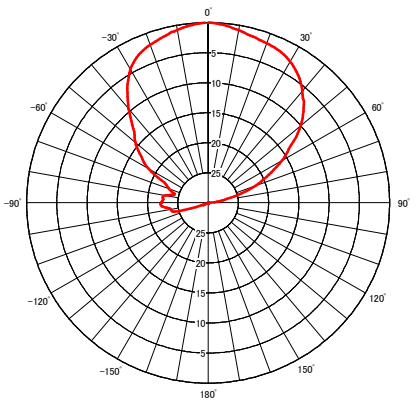
896MHz



2110MHz

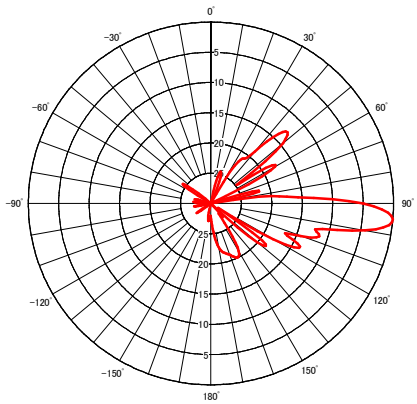


2600MHz

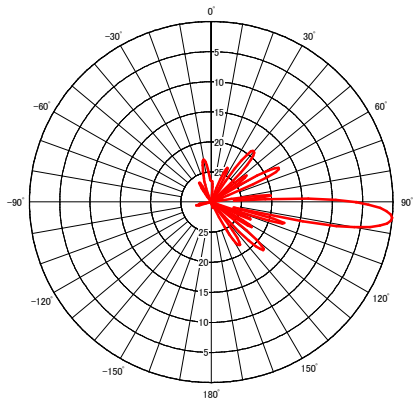


Vertical Plane

896MHz



2110MHz



2600MHz