

Frequency Range	617-894x2 1695-2690x4
Polarization	±45°
Half-Power Beam Width	360°
Electrical Downtilt	2°-12°x6

Type CAN6-2A4J-RF360

Omni Antenna

12-port 617-894 / 617-894 / 1695-2690 / 1695-2690 / 1695-2690 / 1695-2690 MHz 360°, 8 / 8 / 18 / 18 / 18 / 18 dBi,
2-12° / 2-12° / 2°-12° / 2°-12° / 2°-12° / 2-12° Tilt Antenna With 6 Integrated RCUs.

Electrical Specifications

Frequency Range(MHz)		2x617-894			4x1695-2690			
		617-698	698-824	824-894	1695-1920	1920-2180	2300-2400	2490-2690
Polarization		±45°						
Horizontal Beamwidth(°)		360	360	360	360	360	360	360
Vertical Beamwidth(°)		24.5	22	20	5	4.5	3.8	3.5
Gain (dBi)		7.2	7.5	8	16.5	17	17.5	18
Electrical Downtilt		2-12°			2°-12°			
Upper Sidelobe Suppression(dB)	First	≥12	≥12	≥12	≥16	≥16	≥16	≥16
Isolation ports		≥20 dB						
Isolation Frequency		≥20 dB						
VSWR		< 1.5						
Intermodulation IM3		< -150 dBc(2x43dBm carrier)						
Impedance		50 Ω						
Max. Power per Input (at 50°C ambient temperature)		500 W			200 W			
Lightning Protection		DC Ground						



Mechanical Specifications

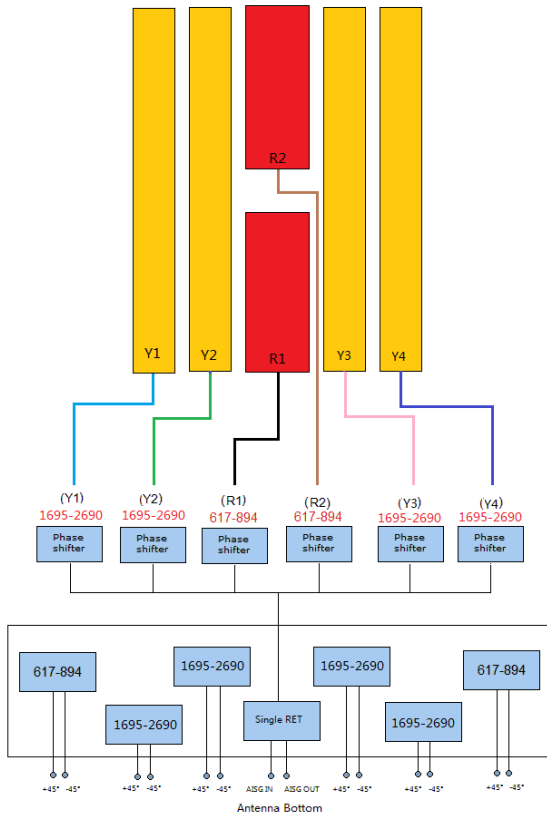
Radome Material	Fiberglass
Connector Type and Location	4.3-10x12, Bottom iRCU in: 1 x 8 pin male iRCU out: 1 x 8 pin female
Dimensions, HxWxD(mm)/(inches)	1800 x φ440 / 70.9 x φ17.3
Packing Size(mm)/(inches)	2100 x 545 x 545 / 82.7 x 21.4 x 21.4
Weight ,w/o Mounting kit(kg)/(lbs)	68.5 / 150.7
Weight w/ Fixed Bracket(kg)/(lbs)	79.5 / 174.9
Packing Weight (w/ Fixed Bracket) (w/o wooden case)(kg)/(lbs)	89.5 / 196.9
Max. Wind Velocity(mph)	150
Mounting hardware	φ 50 mm ~ φ 115 mm
Operational Temperature(°C)	-40 to +65
Operational Humidity(%)	<95
Wind Load at 100mph (Frontal/lateral/Rearside(N))	486

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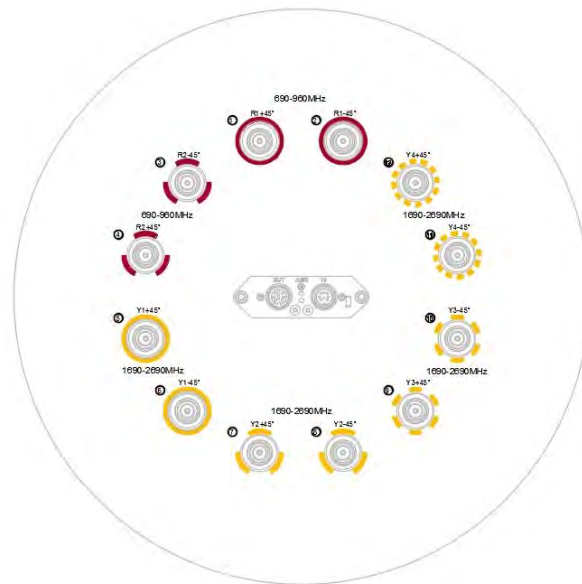
Integrated RET Properties

RET Type	6 x Type 1 Single RET	
Protocols	Compliant to AISG 2.0/3GPP	
Input voltage range	+10~+30VDC(pin 6)	
Power consumption	<2W(stand by);<13W(motor activated)	
Connectors	AISG	2 x 8 pin connector acc. To IEC 60130-9 Acc.to AISG Daisy chain in:male Daisy chain out:female
	Antenna	Two motor shaft(Embedded motor)
Hardware interface	AISG	RS485A/B(pin5/pin3);Power supply(pin6); DC return(pin7)Acc.to AISG
Adjustment time(full range)	40 sec(typically,depending on antenna)	
Adjustment Cycles	≥10000	
Torque Max	≥160mN.m	
Lightning Protection Rating	IEC 61000-4-5 Current Pulse Profile,8/20 μs 10 Repetitions Min.@ 6kA IEC 61312-1 Annex B Current Pulse Profile, 10/350 μs,200 Repetitions Min. @ 0.6kA	

COMPREHENSIVE TILT CONFIGURATION



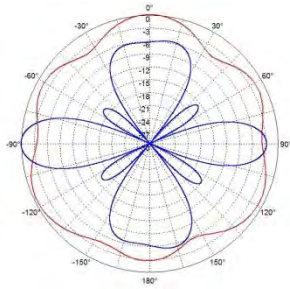
Frequency Range	Array	RET Unique ID
617-894MHz	R1	NDPMXXXXXXXX-6090R1
617-894MHz	R2	NDPMXXXXXXXX-6090R2
1695-2690MHz	Y1	NDPMXXXXXXXX-1727Y1
1695-2690MHz	Y2	NDPMXXXXXXXX-1727Y2
1695-2690MHz	Y3	NDPMXXXXXXXX-1727Y3
1695-2690MHz	Y4	NDPMXXXXXXXX-1727Y4



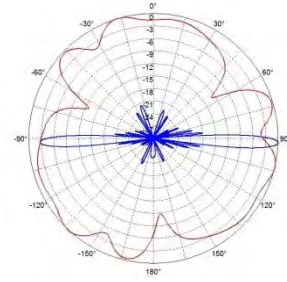
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[Radiation Pattern]



617-894MHz
(Blue E-plane, Red H-plane)



1695-2690MHz
(Blue E-plane, Red H-plane)