

Frequency Range	1695-2690x2 3400-4200x2 5150-5925
Polarization	±45°
Half-Power Beam Width	65°
Electrical Downtilt	2°-12°x2 0 x3

Base Station Antenna

10-ports 1695-2690 / 1695-2690 / 3400-4200 / 3400-4200 / 5150-5925 MHz 65°, 13.5 /13.5 /11 /11 /5 dBi, 2°-12° /2°-12° / 0° / 0° / 0°Tilt Antenna With 2 Integrated RCUs.

Electrical Specifications

Frequency Range(MHz)		2x1695-2690				2x3400-4200		5150-5925
		1695-1920	1920-2180	2300-2400	2490-2690	3400-3500	3500-4200	5150-5925
Polarization		±45°						
Horizontal 3dB Beamwidth(°)		70	68	63	60	69	65	61
Vertical 3dB Beamwidth(°)		17.5	16	13.5	12.5	31	30	26
Gain (dBi)		12.8	13.1	13.5	13.7	10.5	10.7	4.6
Electrical Downtilt		2°-12°				0°		0°
Upper Sidelobe Suppression(dB)	First	≥15	≥14	≥13	≥13	≥7	≥7	≥4
Front-to-Back Ratio Total Power, ± 30° (dB)		≥23	≥24	≥25	≥25	≥23	≥24	≥23
Cross polar ratio	Main direction (dB)	≥16	≥16	≥16	≥16	≥16	≥16	≥16
	± 60° (dB)	≥7	≥7	≥7	≥7	≥7	≥7	≥7
Isolation ports		≥25 dB						
Isolation Frequency		≥30 dB						
VSWR		< 1.5						
Intermodulation IM3		< -150 dBc(2x43dBm carrier)				-		
Impedance		50 Ω						
Max. Power per Input (at 50°C ambient		100 W				50 W		10W
Lightning Protection		DC Ground						



Mechanical Specifications

Radome Material	ASA
Connector Type and Location	4.3-10x10 ,Bottom iRCU in:1 x 8 pin male iRCU out:1 x 8 pin female
Dimensions,HxWxD(mm)/(inches)	600 x 355 x 165 / 23.6 x 14.0 x 5.5
Packing Size(mm)/(inches)	945 x 455 x 295 / 37.2 x 17.9 x 11.6
Weight ,w/o Mounting kit(kg)/(lbs)	13 / 28.6
Weight w/ Downtilt Bracket(kg)/(lbs)	19 / 41.8
Weight w/ Fixed Bracket(kg)/(lbs)	17 / 37.4
Packing Weight (w/ Downtilt Bracket) (kg)/(lbs)	25 / 55
Packing Weight (w/ Fixed Bracket) (kg)/(lbs)	23 / 50.6
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))	246/70/177

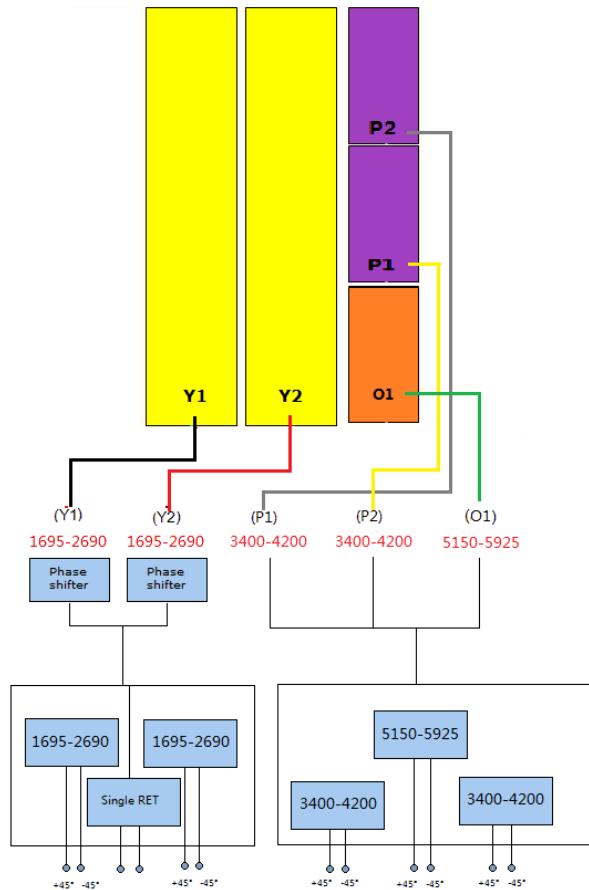
Type DEC2-5HX-BW65

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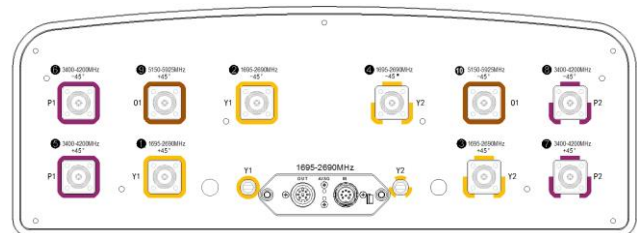
Integrated RET Properties

RET Type	2x 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



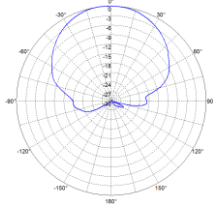
Frequency Range	Array	RET Unique ID
1695-2690MHz	Y1	NDPMXXXXXXXX-1727Y1
1695-2690MHz	Y2	NDPMXXXXXXXX-1727Y2
3400-4200MHz	P1	-
3400-4200MHz	P2	-
5150-5925	O1	-



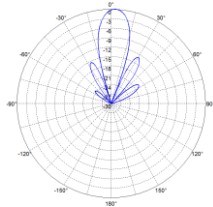
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Radiation Pattern (1695 - 2180 MHz)

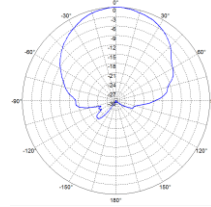


Horizontal Pattern

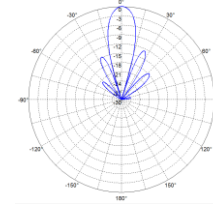


Vertical Pattern

Radiation Patterns (2300 - 2400 MHz)

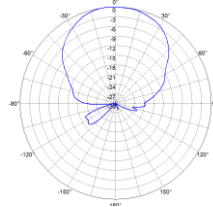


Horizontal Pattern

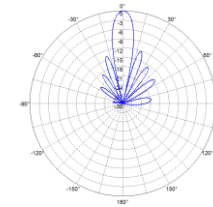


Vertical Pattern

Radiation Pattern (2490 - 2690 MHz)

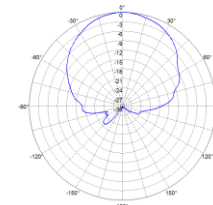


Horizontal Pattern

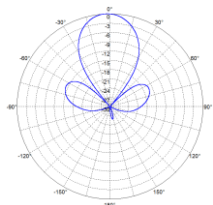


Vertical Pattern

Radiation Pattern (3300 - 3500 MHz)

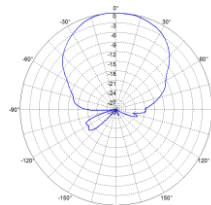


Horizontal Pattern

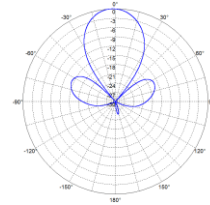


Vertical Pattern

Radiation Pattern (3500 - 4200 MHz)

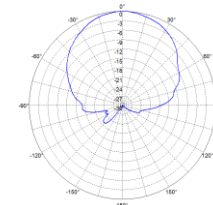


Horizontal Pattern

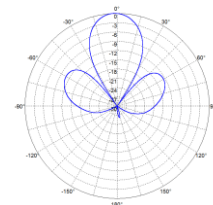


Vertical Pattern

Radiation Pattern (5150 - 5925MHz)



Horizontal Pattern



Vertical Pattern