



8-Ports 2L2H Antenna, 2×694-960MHz/2×1695-2690MHz
4×65° 2×15.5 dBi /2×18.2 dBi, 1.495m
E-Tilt: 2-14/2-14/2-12/2-12, Integrated RCU

KB65D0727A8-15D18D-I-W

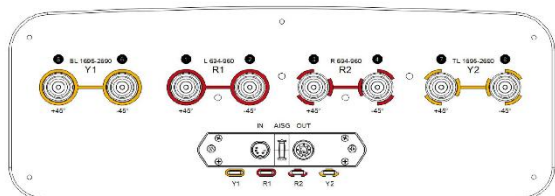
Electrical Specifications					
Frequency Range (MHz)		2 × (694-960) (R1, R2)			
		694-803	790-894		880-960
Polarization		±45°			
Electrical Downtilt (°)		2-14, continuously adjustable			
Gain (dBi)	at mid Tilt	14.5	15.0		15.5
	Over all tilts	14.1±0.5	14.8±0.5		15.3±0.5
Side lobe suppression for first side lobe above main beam (dB)		>16	>16		>16
Horizontal 3dB Beam Width (°)		67±5	66±5		64±5
Vertical 3dB Beam Width (°)		15±1.5	13.8±1.2		12.5±1.0
Cross-Polar Ratio, 0° (dB)		>18	>18		>18
Front to Back Ratio, ±30° (dB)		>22	>22		>22
Frequency Range (MHz)		2 × (1695-2690) (Y1, Y2)			
		1695-1990	1920-2200	2300-2490	2500-2690
Polarization		±45°			
Electrical Downtilt (°)		2-12, continuously adjustable			
Gain (dBi)	at mid Tilt	17.0	17.4	17.7	18.2
	Over all tilts	16.9±0.5	17.3±0.5	17.6±0.5	18.1±0.5
Side lobe suppression for first side lobe above main beam (dB)		>17	>17	>17	>17
Horizontal 3dB Beam Width (°)		68±5	64±5	63±5	60±5
Vertical 3dB Beam Width (°)		7.0±0.6	6.2±0.6	5.6±0.6	5.2±0.6
Cross-Polar Ratio, 0° (dB)		>18	>18	>17	>18
Front to Back Ratio, ±30° (dB)		>25	>25	>25	>25
VSWR		≤1.5			
Intermodulation IM3 (dBc)		≤-153 (2 x 43 dBm carrier)			
Cross Polar Isolation (dB)		≥25			
Interband isolation (dB)		≥25			
Max. power per port (W)		250			
Impedance (Ω)		50			
Grounding		DC Grounding			
Values based on NGMN recommendations on Base Station Antenna Standards V12.0(BASTA V12.0)					

Mechanical Specifications

RET type	Integrated RET (AISG2.0/3GPP)
AISG Connectors (1 in 1 out)	2x8 pin (in: Male; out: Female)
Connector	8×4.3-10 Female, Bottom
Antenna dimensions (H x W x D) (mm)	1495 x 446 x 165
Packing dimensions (H x W x D) (mm)	1710 x 535 x 270
Antenna weight (kg)	21.8
Clamps weight (kg)	4.8
Diameter of installation pole (mm)	φ50 ~φ115
Radome material	Fiberglass
Radome color	Light grey
Operational temperature (°C)	-40 to +65
Wind load at 42m/s (N)	922/ 180/ 973 (Frontal/ Lateral/ Rearal)
Max. operational wind speed (km/h)	200

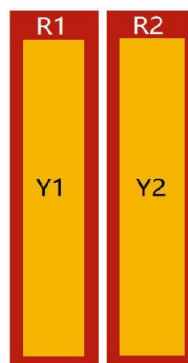
Layout and Pattern

Connector Position:



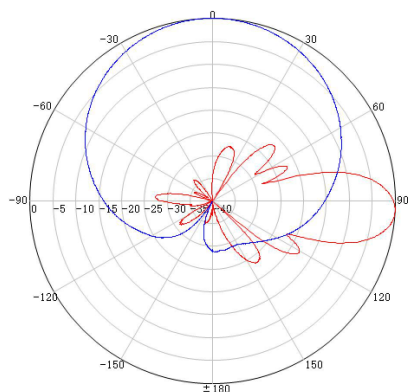
R1/R2: 694-960MHz;
Y1/Y2: 1695-2690MHz;

Configuration Types:

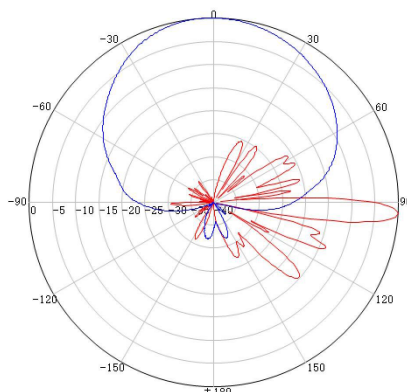


RET S/N:
KBSxx-R1-xx.....;
KBSxx-R2-xx.....;
KBSxx-Y1-xx.....;
KBSxx-Y2-xx.....;

Pattern sample for reference:



R1/R2:694-960MHz



Y1/Y2:1695-2690MHz