



8-Ports 2L2H Antenna, 2×690-960MHz/2×1695-2690MHz
4×65° 2×16.5 dBi /2×18.2 dBi, 1.997m
E-Tilt: 2-12/2-12/2-12/2-12, Integrated RCU

KB65D0727A8-17D18D-I-W

Electrical Specifications					
Frequency Range (MHz)		2 × (690-960) (R1, R2)			
		690-806	790-894		880-960
Polarization		±45°			
Electrical Downtilt (°)		2-12, continuously adjustable			
Gain (dBi)	at mid Tilt	15.5	16.0		16.5
	Over all tilts	15.4±0.9	15.9±0.9		16.4±0.9
Side lobe suppression for first side lobe above main beam (dB)		>18	>18		>18
Horizontal 3dB Beam Width (°)		66±3	61±3		58±3
Vertical 3dB Beam Width (°)		10.0±1.1	9.8±0.9		9.2±0.9
Cross-Polar Ratio, 0° (dB)		>17	>18		>17
Front to Back Ratio, ±30° (dB)		>30	>30		>30
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	17.5	18.0	18.2
	Over all tilts	17.1±0.9	17.7±0.9	17.2±0.9	18.1±0.9
Side lobe suppression for first side lobe above main beam (dB)		>18	>18	>18	>18
Horizontal 3dB Beam Width (°)		70±3	63±3	60±3	60±3
Vertical 3dB Beam Width (°)		7.4±1	6.5±1	6.2±1	6.0±1
Cross-Polar Ratio, 0° (dB)		>16	>17	>18	>18
Front to Back Ratio, ±30° (dB)		>30	>30	>30	>30
VSWR		≤ 1.5			
Intermodulation IM3 (dBc)		≤ -153 (2 x 43 dBm carrier)			
Cross Polar Isolation (dB)		≥ 28			
Interband isolation (dB)		≥ 28			
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)					



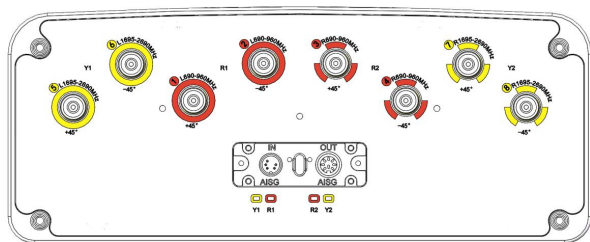
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Mechanical Specifications

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)	1997 x 467 x167
Packing dimensions (H x W x D) (mm)	2197 x 542 x277
Antenna weight (kg)	32
Clamps weight (kg)	5.5
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)	860/ 965/ 380 (Frontal/ Lateral/ Rearal)
Max. operational wind speed (km/h)	200

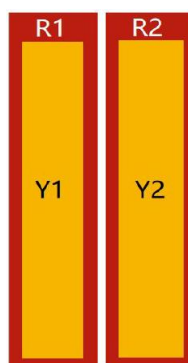
Layout and Pattern

Connector Position:



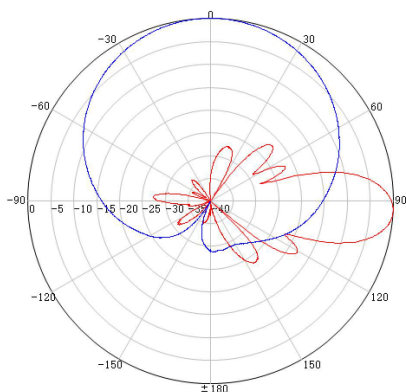
R1/R2: 690-960MHz;
Y1/Y2: 1695-2690MHz;

Configuration Types:

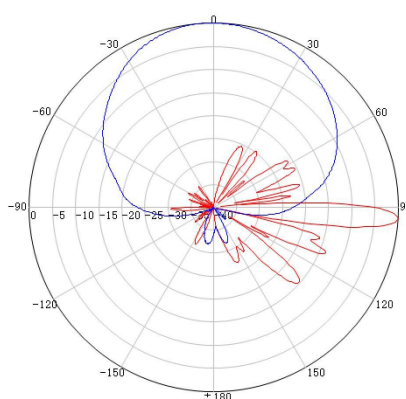


RET S/N:
KBSxx-R1-xx.....;
KBSxx-R2-xx.....;
KBSxx-Y1-xx.....;
KBSxx-Y2-xx.....;

Pattern sample for reference:



R1/R2: 690-960MHz



Y1/Y2: 1695-2690MHz