



KBT 12-Ports 2L4H Antenna

KB6KB65D0727A12-15D18F-I-W

Electrical Specifications					
Frequency Range (MHz)		2 × (690-960) (R1, R2)			
		690-792	792-880	880-960	
Polarization		±45			
Electrical Downtilt ()		2-16, continuously adjustable			
Gain (dBi)	at mid Tilt	14.2	14.5	15.1	
	Over all tilts	14.1±0.6	14.4±0.6	15.0±0.6	
Side lobe suppression for first side lobe above main beam (dB)		>13	>13	>12	
Horizontal 3dB Beam Width (°)		68±6	65±6	65±6	
Vertical 3dB Beam Width (°)		16.5±1.2	14.8±1.3	13.4±1.4	
Cross-Polar Ratio, 0° (dB)		>22	>20	>20	
Front to Back Ratio, ±30° (dB)		>22	>23	>25	
Frequency Range (MHz)		4 × (1710-2690) (Y1, Y2, Y3, Y4)			
		1710-1880	1880-2170	2300-2490	2500-2690
Polarization		±45°			
Electrical Downtilt (°)		2-12, continuously adjustable			
Gain (dBi)	at mid Tilt	17.1	17.6	18.0	18.2
	Over all tilts	17.0±0.6	17.5±0.6	17.9±0.6	18.1±0.6
Side lobe suppression for first side lobe above main beam (dB)		>16			
Horizontal 3dB Beam Width (°)		69±5	66±6	62±6	58±5
Vertical 3dB Beam Width (°)		7.4±0.5	6.7±0.6	5.6±0.5	5.2±0.4
Cross-Polar Ratio, 0° (dB)		>18	>20	>20	>23
Front to Back Ratio, ±30° (dB)		>24	>29	>26	>26
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 (R1, R2); 200 (Y1, Y2, Y3, Y4)			
Impedance (Ω)		50			
Grounding		DC Grounding			
Values based on NGMN recommendations on Base Station Antenna Standards V12.0(BASTA V12.0)					



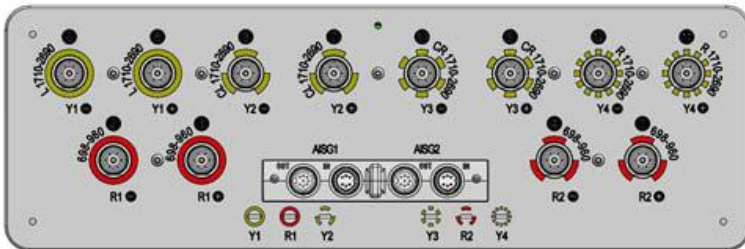
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Mechanical Specifications

RET type	Integrated RET (AISG2.0/3GPP)
AISG Connectors (2 in 2 out)	4x8 pin (in: Male; out: Female)
Connector	12x4.3-10 Female, Bottom
Antenna dimensions (H x W x D)	1485 x 500 x 160
Packing dimensions (H x W x D) (mm)	1760 x 615 x 290
Antenna weight (kg)	29
Clamps weight (kg)	6.8
Radome material	Fiberglass
Radome color	Light grey
Operational temperature (°C)	-40 to +60
Wind load at 42m/s (N)	1076/ 278 / 1076 (Frontal/ Lateral/ Rearal)
Max. operational wind speed (km/h)	200

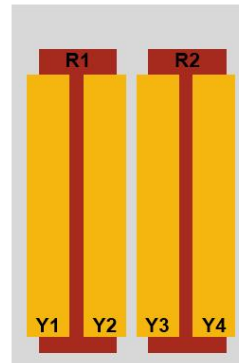
Layout and Pattern

Connector Position:



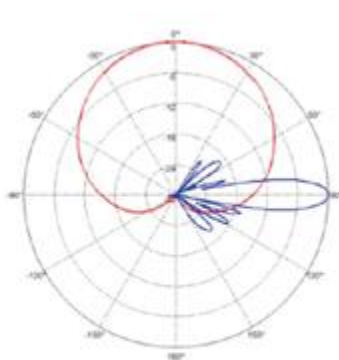
R1/R2: 690-960MHz;
 Y1/Y2/Y3/Y4: 1710-2690MHz;

Configuration Types:

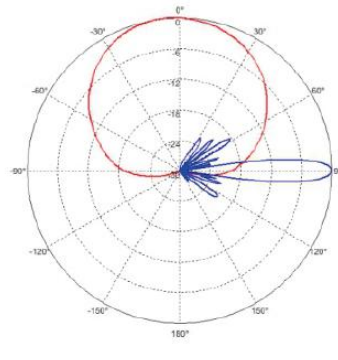


RET S/N:
 KBxxx-R1-xx.....;
 KBxxx-R2-xx.....;
 KBxxx-Y1-xx.....;
 KBxxx-Y2-xx.....;
 KBxxx-Y3-xx.....;
 KBxxx-Y4-xx.....;

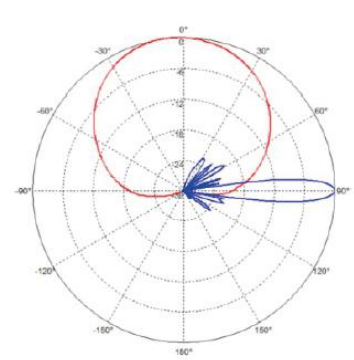
Pattern sample for reference:



R1/R2: 690-960MHz



Y1/Y4: 1710-2690MHz



Y2/Y3: 1710-2690MHz