

**KB65D0727C12-17D18F-I-W**

Electrical Specifications						
Frequency Range (MHz)		2 x 690–960 (R1, R2)				
		690-806	806-880		880-960	
Polarization		±45°				
Electrical Downtilt (°)		2-12, Independently continuously adjustable				
Gain (dBi)	at mid Tilt	15.6	16.2		16.6	
	over all Tilts	15.5±0.7	16.1±0.7		16.5±0.6	
Side lobe suppression for first side lobe above main beam (dB)		>16	>16		>16	
Horizontal 3dB Beam Width (°)		63±6	60±5		56±5	
Vertical 3dB Beam Width (°)		8.4±0.7	7.8±0.6		7.4±0.5	
Cross-Polar Ratio, 0° (dB)		>17	>17		>17	
Front to Back Ratio, ±30° (dB)		>25	>25		>25	
Frequency Range (MHz)		2 x (1695–2690) (Y1,Y3)				
		1695-1880	1850-1990	1920-2170	2300-2400	2490-2690
Polarization		±45°				
Electrical Downtilt (°)		2-12, Independently continuously adjustable				
Gain (dBi)	at mid Tilt	16.6	17.2	17.4	17.8	18.2
	over all Tilts	16.5±0.9	17.1±0.7	17.3±0.8	17.7±0.6	18.1±0.8
Side lobe suppression for first side lobe above main beam (dB)		>16	>16	>16	>16	>16
Horizontal 3dB Beam Width (°)		69±9	62±5	63±6	57±5	57±6
Vertical 3dB Beam Width (°)		6.8±0.7	6.4±0.5	6.1±0.6	5.4±0.5	4.9±0.5
Cross-Polar Ratio, 0° (dB)		>16	>16	>17	>18	>17
Front to Back Ratio, ±30° (dB)		>25	>25	>25	>25	>25
Frequency Range (MHz)		2 x (1695–2690) (Y2,Y4)				
		1695-1880	1850-1990	1920-2170	2300-2400	2490-2690
Polarization		±45°				
Electrical Downtilt (°)		2-12, Independently continuously adjustable				
Gain (dBi)	at mid Tilt	16.2	16.8	17.0	17.3	17.8
	over all Tilts	16.1±0.7	16.7±0.8	16.9±0.8	17.2±0.7	17.7±0.9
Side lobe suppression for first side lobe above main beam (dB)		>16	>16	>16	>16	>16
Horizontal 3dB Beam Width (°)		68±8	62±5	63±5	55±5	57±9
Vertical 3dB Beam Width (°)		6.8±0.6	6.5±0.5	6.2±0.6	5.4±0.5	5.0±0.5
Cross-Polar Ratio, 0° (dB)		>16	>16	>17	>16	>17
Front to Back Ratio, ±30° (dB)		>25	>25	>25	>26	>26
VSWR		≤1.5				
Intermodulation IM3 (dBc)		≤-153 (2 x 43 dBm carrier)				
Cross Polar Isolation (dB)		≥26				
Interband isolation (dB)		≥26 (R1, R2), ≥28 (R1, Y1, Y2, Y3, Y4)				
Max. power per port (W)		250 (R1, R2) 200 (Y1, Y2, Y3, Y4)				
Impedance (Ω)		50				



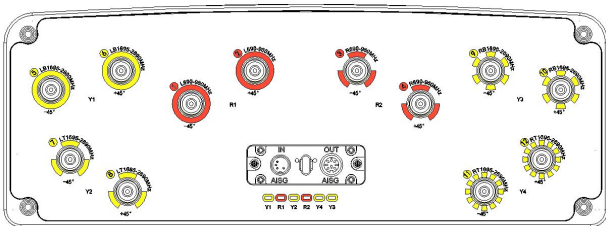
Grounding	DC Grounding
Values based on NGMN recommendations on Base Station Antenna Standards V12.0 (BASTA V12.0)	

Mechanical Specifications

RET type	Integrated RET (AISG2.0/3GPP)
AISG Connectors (1 in 1 out)	2 x 8 pin (in: Male; out: Female)
Connector	12 x 4.3-10 Female, Bottom
Antenna dimensions (H x W x D) (mm)	2750 x 467 x 167
Packing dimensions (H x W x D) (mm)	2870 x 542 x 292
Antenna weight (kg)	40
Clamps weight (kg)	5.5
Diameter of installation pole (mm)	φ50-φ125
Radome material	Fiberglass
Radome color	Light grey
Operational temperature (°C)	-40 to +65
Wind load at 42m/s (N)	1185/ 525/ 1325 (Frontal/ Lateral/ Rearal)
Max. operational wind speed (km/h)	200

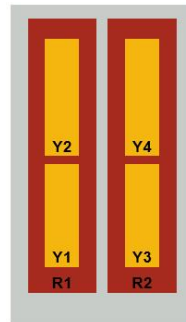
Layout and Pattern

Connector Position:



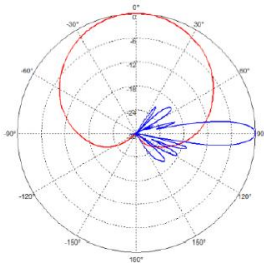
R1/ R2: 690-960 MHz;
 Y1/ Y2/ Y3/ Y4: 1695-2690 MHz;

Configuration Types:

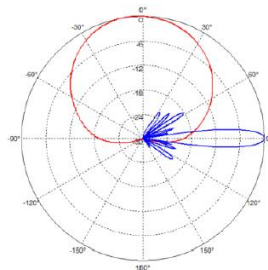


RET S/N:
 KBxxx-R1-xx.....;
 KBxxx-R2-xx.....;
 KBxxx-Y1-xx.....;
 KBxxx-Y2-xx.....;
 KBxxx-Y3-xx.....;
 KBxxx-Y4-xx.....;

Pattern sample for reference:



R1/ R2: 690-960 MHz



Y1/ Y2/ Y3/ Y4: 1695-2690 MHz;