

HFUB-DB15130-BPDI

2x2 MIMO Dual Band Panel Antenna with built-in Diplexer and LTE band rejection Filter 2.4 - 2.5 & 5.1 - 5.9 GHz (17dBi, H-30° & E-15°)



Electrical Parameters

Frequency (MHz)	2400 – 2500	5100 - 5900
Gain (dBi)	2 x 17±0.5	
VSWR (Max)	1.5:1	
H Plane BW (°)	30 ± 2	
E Plane BW (°)	15 ± 1	
Polarization	H & V	
Internal Diplexer	Included to Split 2.4 GHz & 5 GHz	
Port to Port Isolation (dB)	> 25	
Interband Isolation	> 40	
Max. Power Input (Watts)	50	
Impedance (Ω)	50	
Front to Back Ratio (dB)	> 25	
Cross Polarization (dB)	> 20	
Connector Termination	2 x N(M) With 500 mm pigtail	
Lightning Protection	DC Grounded withstand up to 20KVA	

Environmental Parameters

Temperature Range (°C)	(-) 40 to (+) 55
Wind Speed (km/hr)	200 (Survival) 150 (Operational)
Humidity	95% No Condensation
RoHS	Complied
Water Proofing	IP65

Mechanical Parameters

Dimension (mm)	350 X 300 X 65 mm
Gross Weight with Bracket	3.5 ± 0.2 Kgs
Radome	UV PVC
Mounting Hardware	Hot-Dip Galvanized
Mounting Style	Pole
Mounting Style	2 - 2.5 Inch
Mounting Adjustment	±25 Degree

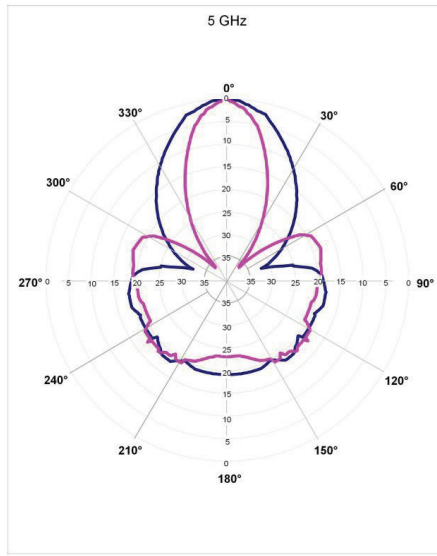
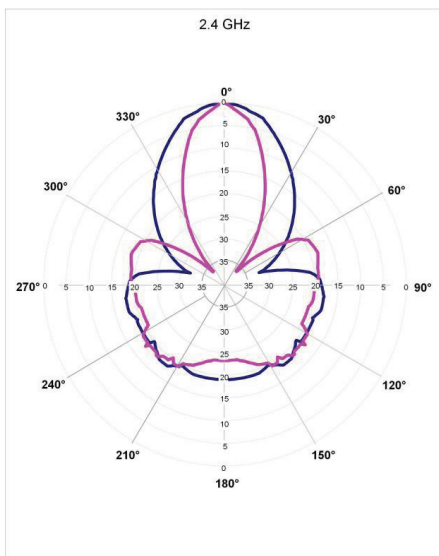
LTE Band 40 Rejection Filter

Pass Band Frequency	2400 – 2484 MHz 5150 – 5875 MHz
Stop Band Frequency	2300 – 2380 MHz
Roll-of/Guard Band	2380 – 2400 MHz
Insertion loss in pass band	0.5 dB (typ.)
Attenuation in stop band	40 dBm (min.)
VSWR (Max)	1.5: 1

Band Pass Filter Characteristics



Radiation Pattern



* Blue = H Plane; Magenta = E Plane

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Suite 2101, Bahrain Financial Tower (West Tower)
P.O. Box 2591, Kingdom of Bahrain

☎ 17565171 📧 17565171 ✉ enquiries@northstar-telecom.net

www.northstar-telecom.net