

MT-484026/NVH

5.15 – 5.875 GHz 16 dBi 60° Dual Pol Sector Antenna

Electrical

Regulatory Compliance	ETSI EN 302 085 v1.1.2 (2001-2002)		
Frequency	5.15 – 5.875 GHz		
Gain	Port V	Port H	
	16 dBi min	15 dBi min	
Azimuth Beam Width	ETSI EN 302 085 v1.1.2 CS1-CS3	ETSI EN 302 085 v1.1.2 CS1-CS3	
	13 dBi 60° ±4°	12 dBi 60° -4°/+7°	
	1.7:1 typ, 2:1 max		
Polarization	Horizontal and Vertical		
Elevation Beam Width	10° ±1°		
Side Lobes Level	-30 dB max @ 90°		
Elevation Null Fill below horizon	1 st Null	ETSI EN 302 085 v1.1.2 CS1-CS3	
		-15 dB min @ 10°	
	2 nd Null	ETSI EN 302 085 v1.1.2 CS1-CS3	
		-25 dB min @ 20°	
Cross Polarization	ETSI EN 302 085 v1.1.2 CS1-CS3		
	-24 dB max		
Port To Port Isolation	-35 dB		
F/B Ratio	-30 dB max		
Input Impedance	50 ohm		
Input Power	6 W max		
Lightning Protection	DC Grounded		

Mechanical

Dimensions	436 x 250 x 10 mm max
Weight	2.2 kg max
Connector	N - type Female
Radome	Plastic
Base Plate	Aluminum with chemical conversion coating

Environmental

Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72 h	-55 °C	
High Temperature	IEC 68-2-2	72 h	+71 °C	
Temp. Cycling	IEC 68-2-14	1 h	-45 °C +70 °C	3 Cycles
Vibration	IEC 60721-3-4	30 min/axis		Random 4M5
Shock Mechanical	IEC 60721-3-4			4M5
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP54
Solar Radiation	ASTM G53	1000 h		
Flammability	UL 94			Class HB
Salt Spray	IEC 68-2-11 Ka	500 h		
Ice And Snow				25 mm Radial
Wind Speed	Survival			220 Km/h
	Operation			160 Km/h
Wind Load	Front Thrust			31.4 kg
Survival	Side Thrust			1.3 kg

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11 Hamelacha st. Afek Industrial Park, Rosh-Ha'AYin 4809121 | Tel. +972.3.9008900 | Fax. +972.3.9008901