

# MT055S17VHN

4.9 – 5.95 GHz 17 dBi 60° Dual Pol. Sector Antenna



Electrical				
Regulatory Compliance	RoHS, CE 0682			
Frequency	4.9 – 5.95 GHz			
Peak Gain	16.0 dBi (min) @ 4.9 – 5.35 GHz 17.0 dBi (min) @ 5.35 – 5.95 GHz			
VSWR	1.7 :1 (typ) 2.0 : 1 (max)			
Azimuth Beam Width @ 13 dBi	60° (typ) @ 4.9 – 5.35 GHz			
Azimuth Beam Width @ 14 dBi	60° (typ) @ 5.35 – 5.95 GHz			
3 dB Beam Width Elevation	7.5° (typ)			
Polarization	Dual Linear Vertical + Horizontal			
Cross Polarization	-30 dB (typ)			
F/B Ratio	-40 dB (typ)			
Elevation Side Lobes Level	-12 dB (typ)			
Port to Port Isolation	35 dB (min)			
Input Impedance	50 (ohm)			
Input Power	20 W (max)			
Lightning Protection	DC Grounded			
Mechanical				
Dimensions (LxWxD)	370 x 370 x 40 mm (max)			
Weight	2.5 kg (max)			
Interface	2 x N – Type female			
Radome	Plastic			
Mounting Kit	MT-120018			
Environmental				
Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72h	-°55C	
High Temperature	IEC 68-2-2	72 h	+71°C	
Temp. Cycling	IEC 68-2-14	1h	-°45C +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	144h		95%
Water Tightness	IEC 529			IP67
Solar Radiation	ASTM G53	1000 h		
Flammability				Class HB
Salt Spray	IEC 68-2-11 Ka	500h		
Ice And Snow				25mm Radial
Wind Speed: Survival Operation				220 Km/h 160 Km/h
Wind Load (Survival) Front Thrust Side Thrust				115.1 kg 33 kg

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MTI Wireless Edge Ltd. 11 Hamelacha St., Afek Industrial Park, Rosh Ha'ayin 48091 Israel

Tel: +972-3-9008900, Fax: +972-3-9008901

[sales@mtiwe.com](mailto:sales@mtiwe.com) | [www.mtiwe.com](http://www.mtiwe.com)

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REVISION RECORD				
REV	ECO	DESCRIPTION	APVD	DATE

PRODUCT STATUS:			
<input type="checkbox"/> PROPOSAL	<input checked="" type="checkbox"/> IN DEVELOPMENT	<input type="checkbox"/> PREPRODUCTION	<input type="checkbox"/> PRODUCTION

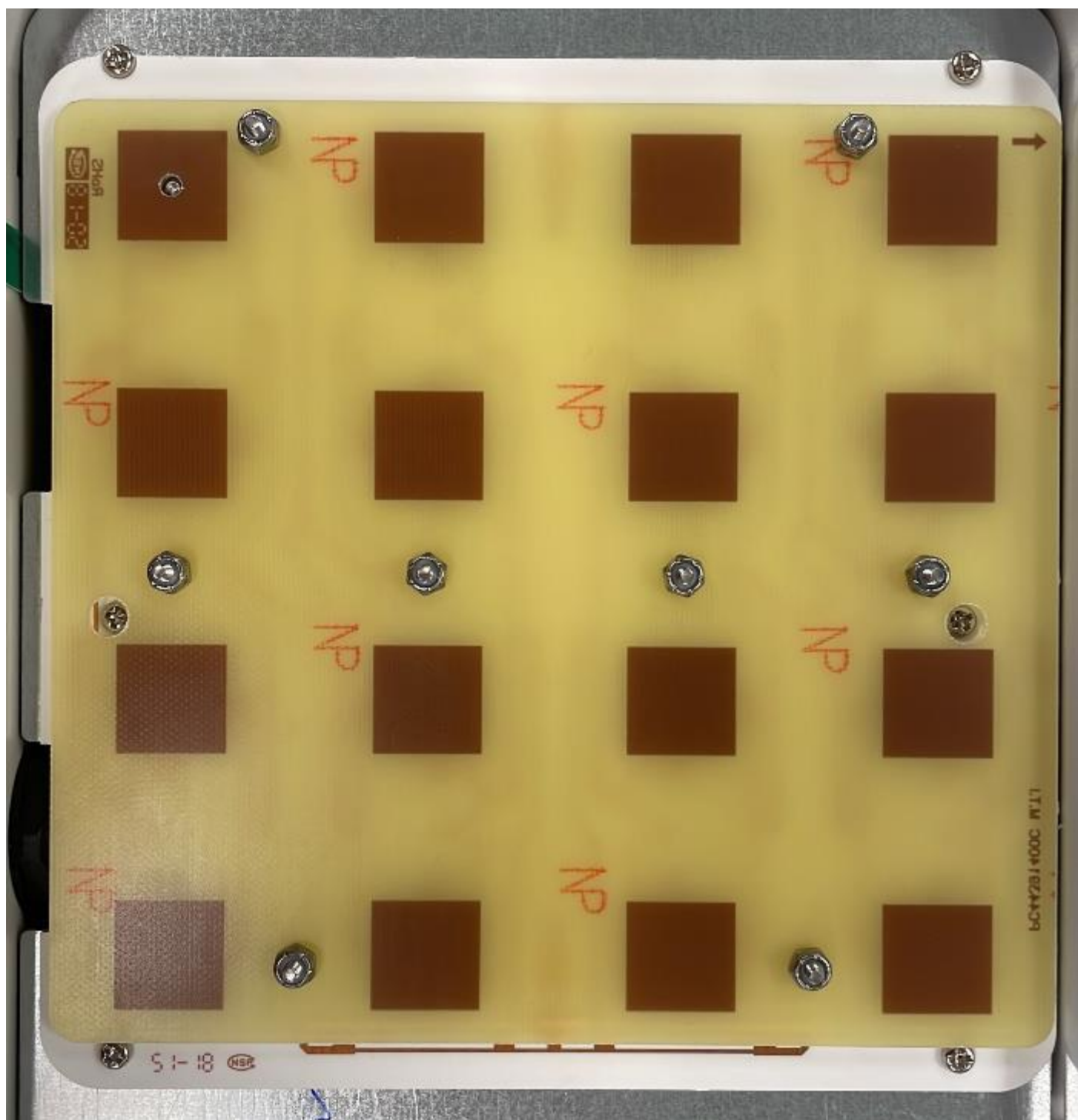
CONTRACT NO			
ACTION	NAME	SIGN	DATE
PREP	Yael HARASH	Yael	6.9.20
CHKD			
CHKD			
CHKD			
DSGN	IDAN MIZRACHI	I.M	6.9.20
PROJ	YOTAM MOLDOVAN	Y.M	6.9.20
MFG			
QA			
MARK.			

SCALE: NONE	CLASSIFICATION: NONE	DOC NO. RD44597700C
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