

# Specification for MT-464042/ND Double Dual Slant Base Station Antenna 4.9-5.9 GHz, 16.0dBi 65°

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MTI WIRELESS EDGE LTD.	MT-464042/ND	REV-B
SCALE: NONE	DOC NO. RD43637700C	SHEET 1 OF 4

REVISION RECORD				
REV	ECO	DESCRIPTION	APVD	DATE
01	--	UPDATE SPEC	Yael H.	28.8.14
02	--	UPDATE SPEC	Yael H.	16.9.14
A	DH05	RELEASED	Yael H.	9.11.14
B	7756	UPDATE FtB	Yael H.	28.7.16

SHEET	43	44	45	46	47	48	49	50	51	52	53	54	55	56
REV														
SHEET	29	30	31	32	33	34	35	36	37	38	39	40	41	42
REV														
SHEET	15	16	17	18	19	20	21	22	23	24	25	26	27	28
REV														
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14
REV	B	B	B	B										

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

CONTRACT NO			
ACTION	NAME	SIGN	DATE
PREP	Yael Harash	Yael	11.7.13
CHKD	Daniel Zerah	D.Z	6.11.14
CHKD			
CHKD	Yehuda Miler	Y.M	4.11.14
DSGN	Asaf Haviv	A.H	4.11.14
PROJ	Moty Rostmi	M.R	2.11.14
MFG			
QA	Moti Motovich	Moti	4.11.14
MARK.	David Shani	D.S	6.11.14
MARK.	Ernan Shmulinson	E.S	5.11.14

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**SPECIFICATION**  
**DOUBLE DUAL SLANT BASE STATION ANTENNA**

<b>MTI PART NUMBER</b>	<b>MT-464042/ND</b>
Regulatory Compliance	RoHS , CE 0682
<b><u>1. ELECTRICAL</u></b>	
Frequency Range	4.9-5.9 GHz
Gain	16.0 ± 1.0 dBi
VSWR	1.5:1(typ) , 2:1 (max)
- 3.0dB Azimuth Beam width	65° (typ)
- 3.0dB Elevation Beam width	7° (typ)
Polarization	Double Dual Linear , ± 45°
Cross polarization	-15 dB (typ)
Side Lobes Level Elevation	-12 dB (typ)
Front to Back Ratio	-40 dB (typ)
Port-to-Port Isolation	20 dB (typ)
Input Impedance	50 (ohm)
Input Power	6W (max)
Lightning Protection	DC Grounded
<b><u>2. MECHANICAL</u></b>	
Dimensions (L x W x D)	371 x 371 x 40mm (max)
Weight	2 (kg) (max)
Connector	4 x N-type Female
Radome	Plastic Polycarbonate RAL-9002
Base Plate	Aluminum with chemical conversion coating
Outline Drawing	RD43764300C
<b><u>3. MOUNTING KIT</u></b>	MT-120018

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<b>4. ENVIRONMENTAL</b>				
<b>TEST</b>	<b>STANDARD</b>	<b>DURATION</b>	<b>TEMPERTURE</b>	<b>NOTES</b>
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 4M3
Shock Mechanical	IEC 60721-3-4	-	-	4M3
Humidity	ETSI EN300-2-4 T4.1E	144 h	-	95%
Water Tightness	IEC 529	-	-	IP67
Solar Radiation	ASTM G53	1000 h	-	-
Flammability	UL 94	-	-	CLASS HB
Salt Spray	IEC 68-2-11 Ka	500 h	-	-
Ice And Snow	-	-	-	25mm Radial
Wind Speed Survival Operation	-	-	-	220 Km/h 160 Km/h
Wind Load (Survival): Front Thrust Side Thrust	- - -	- - -	- - -	39.6 kg 4.3 kg

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