

Specification for MT – 465017/SVH/B Subscriber Antenna 4.9 - 6.1 GHz 22.5 dBi Dual Polarization

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MTI WIRELESS EDGE LTD.	MT – 465017/SVH/B	REV-01
SCALE: NONE	DOC NO. RD43548600C	SHEET 1 OF 4

REVISION RECORD				
REV	ECO	DESCRIPTION	APVD	DATE
01		UPDATE P/N FROM MT-....R TO MT-.../B	Yael H.	26.11.13

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	01	01	01	01										

PRODUCT STATUS:			
☐ PROPOSAL	☐ IN DEVELOPMENT	☒ PREPRODUCTION	☐ PRODUCTION

CONTRACT NO			
ACTION	NAME	SIGN	DATE
PREP	Yael	Yael	4.2.13
CHKD			
CHKD			
CHKD			
DSGN	SERGEY ZEMLIAKOV	S.Z	4.2.13
PROJ	MOTI ROSTMY	M.R	4.2.13
MFG			
QA			
MARK.			

MTI WIRELESS EDGE LTD.	Specification for MT – 465017/SVH/B Subscriber Antenna Dual Pole		
DOC NO. RD43548600C	4.9 - 6.1 GHz, 22.5 dBi		
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SPECIFICATION

Flat Panel Subscriber Antenna Dual Pole

MTI PART NUMBER	MT – 465017/SVH/B
Regulatory Compliance	ESTI EN 302 326-3 V1.1.2 (2006-03)
	RoHS , CE 0682
<u>1. ELECTRICAL</u>	
Frequency Range	4.9 - 6.1 GHz
Gain port V	21.0 ± 1.0 dBi @ 4.9 - 5.15 GHz 22.5 ± 0.5 dBi @ 5.15 - 6.1 GHz
Gain port H	21.5 ± 1.0 dBi @ 4.9 - 5.15 GHz 23.0 ± 1.0 dBi @ 5.15 - 6.1 GHz
VSWR	2.0 : 1 (max) 1.5 : 1 (typ)
3 dB Beam width	10° (typ)
Polarization	Dual Linear (Vertical & Horizontal)
Side lobes Level	ESTI EN 302 326-3 V1.1.2 DN3
Cross Polarization	ESTI EN 302 326-3 V1.1.2 DN3
Port To Port Isolation	-25 dB (max)
F/B Ratio	-30 dB (max)
Input Impedance	50 (ohm)
Input Power	6 W (max)
Lightning Protection	DC Grounded
<u>2. MECHANICAL</u>	
Dimensions (LxWxD)	305 x 305 x 15mm (max)
Weight	1.2 (kg) (max)
Connector	Two SMA Female Right angle
Radome	Plastic
Base Plate	Aluminum with chemical conversion coating
Outline Drawing	RD43548700C

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4. 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 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	2000 h	-	-
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	- -	- -	- -	26.8 kg 1.3 kg

* IP 67 when antenna installed on the radio enclosure.

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