


REVISION RECORD				
REV	ECO	DESCRIPTION	APVD	DATE
A	CV50	RELEASED	YAEL H.	11.5.06

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	A	A	A											

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PRODUCT STATUS: <input type="checkbox"/> PROPOSAL, <input type="checkbox"/> INDEVELOPMENT <input type="checkbox"/> PREPRODUCTION, <input checked="" type="checkbox"/> PRODUCTION							
ACTION	NAME	SIGN	DATE				
PREP	ILAN V.	I.V	28.6.04	TITLE SPECIFICATION FOR AL - 362010/S SUBSCRIBER ANTENNA 2.3-2.7 GHz , 11.5 dBi			
CHKD	ILAN V.	I.V	4.7.04				
DSGN	D.FAINER	D.F	11.7.04				
PROJ	YUVAL T	Y,T	4.7.04				
MFG							
SIZE		CLASSIFICATION		DWG NO			

QA	M.MOTOVIC H	MOTI	11.5.06	A	NONE	RD41878100C
MARK.	EFIAGMON	E.A	11.5.06	SCALE NONE		SHEET 1 OF 3

961-7/96

SIZE A	MTI WIRELESS EDGE	DWG NO RD41480900C	REV C
SCALE NONE		SHEET 2 OF 3	

SPECIFICATION

FLAT PANEL SUBSCRIBER ANTENNA

MTI PART NUMBER	AL - 362010/S
REGULATORY COMPLIANCE	RoHS , CE 0682
<u>1. ELECTRICAL</u>	
FREQUENCY RANGE	2.3-2.7 GHz
GAIN	11.5±0.5 dBi
VSWR	2:1 (max)
3 dB BEAMWIDTH	Azimuth: 80° (min) Elevation: 20° (typ)
POLARIZATION	Vertical
F/B RATIO	-20dB (typ)
INPUT IMPEDANCE	50 (ohm)
INPUT POWER	3W (max)
<u>2. MECHANICAL</u>	
ANTENNA DIMENSIONS (LxWxD)	325x92x15mm (max)
WEIGHT	0.6 kg (max) without cable
CONNECTOR	SMA female
AZIMUTH ADJUSTMENT	± 45°
TILT ADJUSTMENT	±15°
PLASTIC MATERIALS	P.C+ ABS
OUTLINE DRAWING	RD41878000C
INSTALLATION OPTION	See sheet 3
RF CABLE ACCESSORIES	See sheet 3

<u>3. ENVIRONMENTAL</u>				
TEST	STANDARD	DURATION	TEMP	NOTES
LOW TEMPERATURE	IEC 68-2-1	72 h	-20°C	-
HIGH TEMPERATURE	IEC 68-2-2	72 h	+55°C	-
TEMP. CYCLING	IEC 68-2-14	1 h	-10°C +55°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	-	50%
WATER TIGHTNESS	IEC 529	-	-	IP32
SOLAR RADIATION	ASTM G53	1000 h	-	-
FLAMMABILITY	UL 94	-	-	V0

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SCALE NONE		SHEET 3 OF 3	

SIZE A	MTI WIRELESS EDGE	DWG NO RD41878100C	REV A
SCALE NONE			SHEET 4 OF 3

INSTALLATION

1. 3 Vacuum cap for window installation (Supplied with antenna).
2. Table position (A mechanical dummy load supplied with antenna).
3. Adhesive tape for window installation (Tape not supplied with antenna)
4. Wall installation with screws (Hardware not supplied with antenna)

RF CABLE ACCESSORIES – OPTION (NOT SUPPLIED)

#	MTI P/N	Cable length	Free end conn.	Attenuation @ 2.5GHz
1	MT-850001/M/A	2 Meter	MCX male	3 dB
2	MT-850001/M/B	3 Meter	MCX male	4.5 dB
3	MT-850004/S/A	2 Meter	SMA MALE	3 dB
4	MT-850005/S/A	2 Meter	SMA F. R.P	3 dB

SIZE A	MTI WIRELESS EDGE	DWG NO RD41878100C	REV A
SCALE NONE		SHEET 5 OF 3	