



MTI Wireless Edge Ltd.

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SPECIFICATION FOR AN 1303 (AL – 465006/M) SUBSCRIBER ANTENNA 5.15 – 5.875 GHz, 20 dBi

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MTI WIRELESS EDGE LTD.		AN13 03 (AL – 465006/M)	REV
SCALE: NONE	DOC NO. RD41580500C		SHEET 1 OF 3

MTI WIRELESS EDGE LTD.		SPECIFICATION FOR AL – 465006/M	
DOC NO. RD41580500C		SUBSCRIBER ANTENNA	
		5.15 – 5.875 GHz, 20 dBi	
SCALE: NONE	CLASSIFICATION: NONE	REV	SHEET 2 OF 3

REVISION RECORD				
REV	ECO	DESCRIPTION	APVD	DATE
01		Change feed point location	Yael H.	27.1.05
02		Change feed point location & gain	Yael H.	31.1.05
03		Change feed point location & gain	Yael H.	28.2.05
04		Add note	Yael H.	7.3.05
05		CHANGE DIM OF BASE PLATE	Yael H.	6.5.05
06		CHANGE FREQ. RANGE	Yael H.	1.1.06
07		CHANGE P/N FROM MT TO AL	Yael H.	12.4.06

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														

PRODUCT STATUS:

☐ PROPOSAL
 ☒ IN DEVELOPMENT
 ☐ PREPRODUCTION
 ☐ PRODUCTION

CONTRACT NO			
ACTION	NAME	SIGN	DATE
PREP	Yael	Yael	19.1.05
CHKD	DOV FEINER		
CHKD			
CHKD			
DSGN	MICHAEL H.		
PROJ	MOTI ROSTMY		
MFG			
QA	MOTI MOTOVICH		
MARK.	EFI AGMON		

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SPECIFICATION

FLAT PANEL SUBSCRIBER ANTENNA

MTI PART NUMBER		AN 1303(AL – 465006/M)	
REGULATORY COMPLIANCE		ETSI EN 302 085 v 1.2.2 (2003-08) Range 1	
	MIN	TYP	MAX
<u>1. ELECTRICAL</u>			
FREQUENCY RANGE	5.15 GHz		5.875 GHz
GAIN	19.5 dBi 20 dBi	@ 5.15 – 5.25GHz @5.25 – 5.875GHz	
VSWR		1.5 : 1	1.7 : 1
-3 dB BEAMWIDTH		14°	
POLARIZATION		Linear Vertical @ Horizontal	
SIDELOBES LEVEL		ETSI EN 302 085 v1.2.2 TS1-TS3	
CROSS POLARIZATION		ETSI EN 302 085 v1.2.2 TS1-TS3	
F/B RATIO		-30 dB	
INPUT IMPEDANCE		50 (ohm)	
INPUT POWER		6W	
LIGHTNING PROTECTION		DC Grounded	
<u>2. MECHANICAL</u>			
PCB DIMENSIONS (L x W x D)		199.9 x 199.9 x 0.8 mm	
PCB TO GROUND PLATE SPACE		2.5 mm	
WEIGHT		150 g	
CONNECTOR		Pin see PO41670200C	
RADOME SUPPLY BY CUSTOMER		POLYCARBONAT 2407	
BASE PLATE SUPPLY BY CUSTOMER		209.9 x 209.9 mm	
ANTENNA ORIENTATION		Diamond Shape	
OUTLINE DRAWING		RD41627000C	

NOTE:

Antenna parameters apply in full enclosure configuration including coax cable up to 10 cm

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