

SPECIFICATION FOR MT – 242043/NRH RHCP READER ANTENNA 865 - 956 MHz, 8.5 dBic

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MTI WIRELESS EDGE LTD.	MT – 242043/NRH	REV-A
SCALE: NONE	DOC NO. RD42258000C	SHEET 1 OF 1

REVISION RECORD				
DATE	APVD	DESCRIPTION	ECO	REV
8.8.07	YAEL H.	RELAESD	CX83	A

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

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

CONTRACT NO			
DATE	SIGN	NAME	ACTION
25.7.07	YAEL	YAEL HARASH	PREP
6.8.07	D.Z	DANIEL ZERAH	CHKD
			CHKD
			CHKD
25.7.07	S.Z	SERGEY ZEMLYAKOV	DSGN
25.7.07	A.D	ALEX DRAGILEV	PROJ
			MFG
30.7.07	MOTI	MOTI MOTOVICH	QA
5.8.07	R.D	REUVEN DRORI	MARK.

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SPECIFICATION

FLAT PANEL SUBSCRIBER ANTENNA

MTI PART NUMBER	MT – 242043/NRH
REGULATORY COMPLIANCE	RoHS , CE 0682
1. <u>ELECTRICAL</u>	
FREQUENCY RANGE	865 - 956 MHz
GAIN	8.5 ± 0.5 dBic
VSWR	1.2:1 (typ) 1.35 : 1(max)
3 dB BEAMWIDTH	AZ 65° (typ) EL 65° (typ)
POLARIZATION	RHCP
AXIAL RATIO	865-870 MHz @ 3 dB (max) 902-928 MHz @ 1dB(typ) 1.5 dB (max) 950-956 MHz @ 2.5 dB (max)
F / B RATIO	-18 dB (max)
INPUT IMPEDANCE	50 ohm
INPUT POWER	6W (max)
LIGHTNING PROTECTION	DC Grounded
2. <u>MECHANICAL</u>	
DIMENSIONS(LxWxD)	305 x 305 x 25 mm (max)
WEIGHT	1.2 (Kgs) (max)
CONNECTOR	N-Type Female
RADOME	Plastic
BASE PLATE	Aluminum with chemical conversion coating
OUTLINE DRAWING	RD42258100C
3. <u>MOUNTING KIT</u>	
SEE RD41191800C , MT-120018	

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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
THERMAL SHOCK NONO-OPERATING			-30°C to +70°C	Ramp 30°C/min
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h	-	95%
WATER TIGHTNESS*	IEC 529	-	-	IP54
DUST RESISTANCE*				IP54
SOLAR RADIATION	ASTM G53	1000 h	-	-
OZONE RESISTANCE	ETSI 300			
FLAMMABILITY	UL 94	-	-	Class HB
SALT SPRAY	IEC 68-2-11 Ka	500 h	-	-
QUASI RANDOM VIBRATION				20g rms for 4 hours
VEHICLE VIBRATION OPERATING	1g rms, 10- 500 Hz, in 3 axis			6 hours total, 2 hr in each axis. Accelerated wear – an additional 50hrs in worst case axis.
MECHANICAL SHOCK OPERATING	10g, 11 msec, half sine pulse			

* IP 67 AVAILABLE UPON REQUEST

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