dE		compared to an isotropic radiato	l on TX power added to the ante r.			
S :	= power den	sity in mW/cm^2				
					Antenna Gain (dBi)	
		Output Power		dBd + 2.17 = dBi	dBi to dBd	
Tx Frequency (MHz)	2437	Maximum (Watts)	0.070651		Antenna Gain (dBd)	-1.1
Cable Loss (dB)	0.0	(dBm)	18.49	Δnte	nna minus cable (dBi)	1.0
Cabic Loss (db)	0.0	(dDiii)	10.47	Aine	ilia fillius caole (CDI)	1.0
Calculated	ERP (mw)	53.966		EIRP = Po(dBM) + Gain (dB)	)	
Calculated	EIRP (mw)	88.945			Radiated (EIRP) dBm	19.49
Occupation	onal Limit	Power density (S)		ERP = EIRP - 2.17 dB	Radiated (ERP) dBm	17.32
5.00000 m	_				Radiated (ERP) dbiii	17.32
		EIRP				
50.00000 W		$= mW/cm^2$				
	ublic Limit	4 p r^2				
1.00000 m		r (cm) EIRP (mW)				
10.00000 W	//m <sup>2</sup>					
			ncy radiation exposure limits per			
		Frequency (MHz)	Occupational Limit	Public Limit		
		300-1,500	f/300	f/1500		
		1,500-10,000	5	1		
		FCC radio	frequency radiation exposure lim	its per 1.1310		
		Frequency (MHz)	Occupational Limit	Public Limit		
		300-1,500 (mW/cm2)	8.123333333	1.624666667		
		300-1,500 (W/m2)	81.23333333	16.24666667		
		1,500-10,000 (mW/cm2)	5	1		
		1,500-10,000 (W/m2)	50	10		
	_					
EIRP	S	S	Distance	Distance	Distance	Distance
	mW/cm <sup>2</sup>	$W/m^2$	cm	meter	inches	Feet
	0.00003	0.00028	500.00	5.00	196.85	16.40
	0.00004	0.00044	400.00	4.00	157.48	13.12
	80000.0	0.00079	300.00	3.00	118.11	9.84
	0.00018	0.00177	200.00	2.00	78.74	6.56
	0.00071	0.00708	100.00 90.00	1.00 0.90	39.37	3.28 2.95
	0.00087 0.00111	0.00874 0.01106	80.00	0.90	35.43 31.50	2.62
	0.00111	0.01100	70.00	0.70	27.56	2.30
	0.00197	0.01966	60.00	0.60	23.62	1.97
	0.00283	0.02831	50.00	0.50	19.69	1.64
	0.00442	0.04424	40.00	0.40	15.75	1.31
	0.00786	0.07864	30.00	0.30	11.81	0.98
	0.01770	0.17695	20.00	0.20	7.87	0.66
	0.07078	0.70780	10.00	0.10	3.94	0.33
88.945	0.11059	1.10594	8.00	0.08	3.15	0.26
	0.28312	2.83121	5.00	0.05	1.97	0.16
88.945	0.97092	9.70921	2.70	0.03	1.06	0.09
			Occupational Limit minimum  Distance	Occupational Limit minimun Distance	Public Limit	Public Limit minimum distance
		Frequency (MHz)	(meters)	(cm / inches)	distance (meters)	(cm / inches)
		300-1,500	N/A	N/A	N/A	N/A
		1,500-10,000			0.03	2.7 / 1

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Phone/Fax: (913) 837-3214 Revision 1 Mikrotikls SIA

Model: hAP Lite SN: 541A01DD504D/448

Test #: 150210

Test to: CFR47 (15.247) File: RFExp hAP Lite FCC ID#: TV7RB941-2ND IC: 7442A-9412ND Date: February 23, 2015

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