Mikrotik	Model: RBwAP-2nD	1	est Number:	151031		
			power added to the antenna gain in dBi.			
	dBi = dB gain compared to an isotropic radiator.					
	S = power density in mW/cm					
					Antenna Gain (dBi)	
		Output Power		dBd + 2.17 = dBi	dBi to dBd	2
x Frequency (MHz)	2437	Maximum (Watts)	0.161110		Antenna Gain (dBd)	-1.1
Cable Loss (dB)	0.0	(dBm)	22.1		Antenna minus cable (dBi)	1.0
		` ′			` /	
	Calculated ERP (mw)			EIRP = Po(dBM) + Gain (dB)		
	Calculated EIRP (mw)	202.825			Radiated (EIRP) dBm	23.0
		Power density (S)		ERP = EIRP - 2.17 dB	D. C. LODD ID	20.0
		EIRP			Radiated (ERP) dBm	20.9
		= mW/cm	^2			
		4 p r^2				
		EIRP (mW), r (cm)				
	Occupational Limit		FCC radio frequency radiation exposure	_		
5		Frequency (MHz)	Occupational Limit (mW/cm ²)	Public Limit (mW/cm ²)		
50		300-1,500	f/300	f/1500		
	General Public Limit	1,500-10,000	5	1		
1	mW/cm ²					
10	W/m^2					
	Occupational Limit		IC radio frequency radiation exposure lin	oite nor DSS 102		
0.6455 f ^{0.5}	W/m ²	Frequency (MHz)				
0.64557		100-6,000	Occupational Limit (W/m²) 0.6455 f ^{0.5}	Public Limit (W/m²)		
0.93532	W/m General Public Limit	6,000-15,000	0.6455 <i>f</i> 50			
0.02619f ^{0.6834}	W/m ²	48-300	30	1.291		
5.40397	W/m ²	300-6,000		0.02619f ^{0.6834}		
3.40377	W/III	6,000-15,000	50	10		
		0,000 15,000				
7.77				-	D.	
EIRP	S	S	Distance	Distance	Distance	Distance
milliwatts	mW/cm ²	W/m ²	cm	meter	inches	Feet
202.825 202.825	0.00199 0.00252	0.01993 0.02522	90.00 80.00	0.90 0.80	35.43 31.50	2.95
202.825	0.00232	0.02322	70.00	0.80	27.56	2.82
202.825	0.00329	0.04483	60.00	0.60	23.62	1.97
202.825	0.00646	0.06456	50.00	0.50	19.69	1.64
202.825	0.01009	0.10088	40.00	0.40	15.75	1.31
202.825	0.01793	0.17934	30.00	0.30	11.81	0.98
202.825	0.04035	0.40351	20.00	0.20	7.87	0.66
202.825	0.09550	0.95505	13.00	0.13	5.12	0.43
202.825	0.25219	2.52192	8.00	0.08	3.15	0.26
202.825	0.44834	4.48341 5.33563	6.00 5.50	0.060 0.055	2.36	0.20
202.825 202.825	0.53356 0.64561	6.45612	5.50	0.055	2.17 1.97	0.18
202.825	1.00877	10.08768	4.00	0.050	1.57	0.16
202.825	1.79337	17.93366	3.00	0.030	1.18	0.10
202.825	4.03507	40.35073	2.00	0.020	0.79	0.07
202.825	16.14029	161.40292	1.00	0.010	0.39	0.03
			0 4 11 2 11 2			
		Frequency (MHz)	Occupational Limit minimum Distance (meters)	Public Limit minimum distance (meters)		
		47CFR 1.1310	0.02	0.04		
		RSS-102	0.13	0.06		

Rogers Labs, Inc. 4405 W. 259th Terrace Louisburg, KS 66053 Phone/Fax: (913) 837-3214 Revision 2 Mikrotikls SIA Model: RBwAP-2nD Test #: 151031

Test to: 47CFR 15.247, RSS-247 File: RBwAP2nD RFExp

S/N: 551501D0E8C FCC ID#: TV7RBWAP2ND IC: 7442A-WAP2ND Date: December 9, 2015

Page 1 of 1