Mikrotik		Model: Groove-2Hn	Test Number			
MPE Calculator		RP for calculation. EIRP is based	•	enna gain in dBi.		
	dBi = dB gain	compared to an isotropic radiate	or.			
	S = power de	nsity in mW/cm^2				
				A	Antenna Gain (dBi)	24
		Output Power		dBd + 2.17 = dBi	dBi to dBd	2.1
Tx Frequency (MHz)	2437	Maximum (Watts)	0.516400) A	ntenna Gain (dBd)	21.83
Cable Loss (dB)	0.0	(dBm)	27.13	Antenna	a minus cable (dBi)	24.00
. ,		` ′				
Calcu	lated ERP (mw)	78702.084		EIRP = Po(dBM) + Gain(dB)		
Calculated EIRP (mw)					liated (EIRP) dBm	51.13
0.000				ERP = EIRP - 2.17 dB		
Осси	oational Limit	Power density (S)			diated (ERP) dBm	48.96
5.00000 mW/cm ²				TCG	dated (Lita) doin	10.50
		EIRP				
50.0000		2 = mW/cm^2				
	al Public Limit	4 p r^2				
1.0000	0 mW/cm ²	r (cm) EIRP (mW)				
10.0000	0 W/m^2	T (clif) ETRF (lif W)				
10.0000	VV/III	FCC radio freque	ency radiation exposure limits per	r 1 1310 (mW/cm2)		
		Frequency (MHz)	Occupational Limit	Public Limit		
		300-1,500	f/300	f/1500	+	
		1,500-10,000	5	1		
		FCC #	C	5 1 1210		
		FCC radio	frequency radiation exposure lim	uts 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	16.2466667		
		1,500-10,000 (mW/cm2)	5	1		
		1,500-10,000 (M/m2)	50	10		
		1,500-10,000 (Will2)	50	10		
EIRP	S	S	Distance	Distance	Distance	Distance
					+	
milliwatts	mW/cm ²	W/m ²	cm	meter	inches	Feet
129713.815	0.04129	0.41289	500.00	5.00	196.85	0.42
129713.815	0.06451	0.64514	400.00	4.00	157.48	0.33
129713.815	0.11469	1.14692	300.00	3.00	118.11	0.25
129713.815	0.25806	2.58057	200.00	2.00	78.74	0.17
129713.815	0.33705	3.37055	175.00	1.75	68.90	0.15
129713.815	0.45877	4.58769	150.00	1.50	59.06	0.13
129713.815	0.66063	6.60627	125.00	1.25	49.21	0.10
129713.815	0.78051	7.80514	115.00	1.15	45.28	0.10
129713.815	0.85308	8.53082	110.00	1.10	43.31	0.09
129713.815	0.88497	8.84971	108.00	1.08	42.52	0.09
129713.815	0.93626	9.36263	105.00	1.05	41.34	0.09
129713.815	0.99215	9.92147	102.00	1.02	40.16	0.09
129713.815	1.03223	10.32230	100.00	1.00	39.37	0.08
129713.815	1.83508	18.35075	75.00	0.75	29.53	0.06
129713.815	6.45144	64.51436	40.00	0.40	15.75	0.03
129713.815	10.08037	100.80369	32.00	0.32	12.60	0.03
129713.815	11.46922	114.69219	30.00	0.30	11.81	0.03
127/13.013	11.40322	114.09219	30.00	0.50	11.01	0.03
			Occupational Limit minimum Distance	Occupational Limit minimum Distance	Public Limit	Public Limit
		Frequency (MHz)	(meters)	(cm / inches)	distance (meters)	(cm / inches)
		300-1,500	N/A	N/A	N/A	N/A
		1,500-10,000	0.32	32 / 12.6	1.00	100 / 39.4

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MIKROTIK Model: Groove-2Hn Test #: 110915G Test to: FCC (15.247) File: RFExp Groove2Hn

FCC ID#: TV7GROOVE-2HN SN: 30F501538185 Date: November 14, 2011

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