		Model: RB751G-2HnD Test Number: 120525 MPE uses EIRP for calculation. EIRP is based on TX power added to the antenna gain in dBi.			A COLUMN	
		enna gain in dBi.	-			MPE Calculator
			r.	dBi = dB gain compared to an isotropic radiator.		
				sity in mW/cm^2	S = power den	
8.:	untenna Gain (dBi)	A				
2.:	dBi to dBd	dBd + 2.17 = dBi		Output Power		
6.3	ntenna Gain (dBd)	Aı	0.805378	Maximum (Watts)	2437	Tx Frequency (MHz)
8.50	minus cable (dBi)	Antenna	29.06	(dBm)	0.0	Cable Loss (dB)
		EIDD - D-(4DM) C-1- (4D)		2450 204	ated ERP (mw)	C-1
37.560	:-+-4 (EIDD) 4D	EIRP = Po(dBM) + Gain (dB)				
37.30	Radiated (EIRP) dBm			5/01.643	Calculated EIRP (mw)	
35.390	diated (EDD) dDm	ERP = EIRP - 2.17 dB		Power density (S)	ational Limit	Occur
	diated (ERP) dBm	Rad				
				EIRP	0 mW/cm ²	
				= mW/cm^2		50.0000
				4 p r^2	al Public Limit	
				r (cm) EIRP (mW)	0 mW/cm ²	1.0000
				r (cm) znd (m···)	0 W/m^2	10.0000
		1.1310 (mW/cm2)	ncy radiation exposure limits per	FCC radio frequer		
		Public Limit	Occupational Limit	Frequency (MHz)		
		f/1500	f/300	300-1,500		
		1	5	1,500-10,000		
		its per 1.1310	requency radiation exposure lim	FCC radio f		
		Date I has	Occupational Limit	E (A/III-)		
		Public Limit 1.62466667	8.123333333	Frequency (MHz) 300-1,500 (mW/cm2)		
				. , ,		
		16.24666667	81.23333333 5	300-1,500 (W/m2) 1,500-10,000 (mW/cm2)		
		10	50			
		10	30	1,500-10,000 (W/m2)		
Distance	Distance	Distance	Distance	S	S	EIRP
Feet	inches	meter		W/m ²	mW/cm ²	milliwatts
	196.85	5.00	500.00			
0.42				0.01815	0.00181	5701.643
0.33	157.48	4.00	400.00 300.00	0.02836	0.00284 0.00504	5701.643 5701.643
0.23	118.11	3.00		0.05041		
	78.74	2.00 1.00	200.00	0.11343	0.01134	5701.643
0.08	39.37 35.43	0.90	100.00 90.00	0.45372 0.56015	0.04537 0.05602	5701.643 5701.643
0.00	31.50	0.90				
0.08		0.90				5701.642
0.07		0.80	80.00	0.70894	0.07089	5701.643 5701.643
0.07 0.06	27.56	0.70	70.00	0.92596	0.09260	5701.643
0.07 0.06 0.05	27.56 23.62	0.70 0.60	70.00 60.00	0.92596 1.26034	0.09260 0.12603	5701.643 5701.643
0.07 0.06 0.05 0.04	27.56 23.62 19.69	0.70 0.60 0.50	70.00 60.00 50.00	0.92596 1.26034 1.81489	0.09260 0.12603 0.18149	5701.643 5701.643 5701.643
0.07 0.06 0.05 0.04 0.03	27.56 23.62 19.69 15.75	0.70 0.60 0.50 0.40	70.00 60.00 50.00 40.00	0.92596 1.26034 1.81489 2.83576	0.09260 0.12603 0.18149 0.28358	5701.643 5701.643 5701.643 5701.643
0.07 0.06 0.05 0.04 0.03 0.03	27.56 23.62 19.69 15.75 11.81	0.70 0.60 0.50 0.40 0.30	70.00 60.00 50.00 40.00 30.00	0.92596 1.26034 1.81489 2.83576 5.04136	0.09260 0.12603 0.18149 0.28358 0.50414	5701.643 5701.643 5701.643 5701.643 5701.643
0.07 0.06 0.05 0.04 0.03 0.03 0.02	27.56 23.62 19.69 15.75 11.81 8.27	0.70 0.60 0.50 0.40 0.30 0.21	70.00 60.00 50.00 40.00 30.00 21.00	0.92596 1.26034 1.81489 2.83576 5.04136 10.28849	0.09260 0.12603 0.18149 0.28358 0.50414 1.02885	5701.643 5701.643 5701.643 5701.643 5701.643 5701.643
0.07 0.06 0.05 0.04 0.03 0.03 0.02 0.02	27.56 23.62 19.69 15.75 11.81 8.27 7.87	0.70 0.60 0.50 0.40 0.30 0.21 0.20	70.00 60.00 50.00 40.00 30.00 21.00 20.00	0.92596 1.26034 1.81489 2.83576 5.04136 10.28849 11.34306	0.09260 0.12603 0.18149 0.28358 0.50414 1.02885 1.13431	5701.643 5701.643 5701.643 5701.643 5701.643 5701.643 5701.643
0.07 0.06 0.05 0.04 0.03 0.03 0.02 0.02 0.01	27.56 23.62 19.69 15.75 11.81 8.27 7.87 3.94	0.70 0.60 0.50 0.40 0.30 0.21 0.20 0.10	70.00 60.00 50.00 40.00 30.00 21.00 20.00 10.00	0.92596 1.26034 1.81489 2.83576 5.04136 10.28849 11.34306 45.37223	0.09260 0.12603 0.18149 0.28358 0.50414 1.02885 1.13431 4.53722	5701.643 5701.643 5701.643 5701.643 5701.643 5701.643 5701.643 5701.643
0.07 0.06 0.05 0.04 0.03 0.03 0.02 0.02 0.01	27.56 23.62 19.69 15.75 11.81 8.27 7.87 3.94 3.74	0.70 0.60 0.50 0.40 0.30 0.21 0.20 0.10	70.00 60.00 50.00 40.00 30.00 21.00 20.00 10.00 9.50	0.92596 1.26034 1.81489 2.83576 5.04136 10.28849 11.34306 45.37223 50.27394	0.09260 0.12603 0.18149 0.28358 0.50414 1.02885 1.13431 4.53722 5.02739	5701.643 5701.643 5701.643 5701.643 5701.643 5701.643 5701.643 5701.643 5701.643
0.07 0.06 0.05 0.04 0.03 0.03 0.02 0.02 0.01	27.56 23.62 19.69 15.75 11.81 8.27 7.87 3.94	0.70 0.60 0.50 0.40 0.30 0.21 0.20 0.10	70.00 60.00 50.00 40.00 30.00 21.00 20.00 10.00	0.92596 1.26034 1.81489 2.83576 5.04136 10.28849 11.34306 45.37223	0.09260 0.12603 0.18149 0.28358 0.50414 1.02885 1.13431 4.53722	5701.643 5701.643 5701.643 5701.643 5701.643 5701.643 5701.643 5701.643
0.07 0.06 0.05 0.04 0.03 0.03 0.02 0.02 0.01 0.01 0.01	27.56 23.62 19.69 15.75 11.81 8.27 7.87 3.94 3.74	0.70 0.60 0.50 0.40 0.30 0.21 0.20 0.10 0.10 0.09 Occupational Limit minimum Distance	70.00 60.00 50.00 40.00 30.00 21.00 20.00 10.00 9.50	0.92596 1.26034 1.81489 2.83576 5.04136 10.28849 11.34306 45.37223 50.27394 56.01510	0.09260 0.12603 0.18149 0.28358 0.50414 1.02885 1.13431 4.53722 5.02739	5701.643 5701.643 5701.643 5701.643 5701.643 5701.643 5701.643 5701.643 5701.643
0.07 0.06 0.05 0.04 0.03 0.03 0.02 0.02 0.01 0.01 0.01 Public Limit inimum distance (cm / inches)	27.56 23.62 19.69 15.75 11.81 8.27 7.87 3.94 3.74 3.54 Public Limit minimum distance (meters)	0.70 0.60 0.50 0.40 0.30 0.21 0.20 0.10 0.10 0.09 Occupational Limit minimum Distance (cm / inches)	70.00 60.00 50.00 40.00 30.00 21.00 20.00 10.00 9.50 9.00 Occupational Limit minimum Distance (meters)	0.92596 1.26034 1.81489 2.83576 5.04136 10.28849 11.34306 45.37223 50.27394 56.01510	0.09260 0.12603 0.18149 0.28358 0.50414 1.02885 1.13431 4.53722 5.02739	5701.643 5701.643 5701.643 5701.643 5701.643 5701.643 5701.643 5701.643 5701.643
0.07 0.06 0.05 0.04 0.03 0.03 0.02 0.02 0.01 0.01 0.01	27.56 23.62 19.69 15.75 11.81 8.27 7.87 3.94 3.74 3.54 Public Limit minimum	0.70 0.60 0.50 0.40 0.30 0.21 0.20 0.10 0.10 0.09 Occupational Limit minimum Distance	70.00 60.00 50.00 40.00 30.00 21.00 20.00 10.00 9.50 9.00 Occupational Limit minimum Distance	0.92596 1.26034 1.81489 2.83576 5.04136 10.28849 11.34306 45.37223 50.27394 56.01510	0.09260 0.12603 0.18149 0.28358 0.50414 1.02885 1.13431 4.53722 5.02739	5701.643 5701.643 5701.643 5701.643 5701.643 5701.643 5701.643 5701.643 5701.643

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Revision 1

MIKROTIK Model: RB751G-2HnD Test #: 120525 Test to: FCC (15.247) File: RFExp RB751G2HnD

FCC ID#: TV7RB751G-2HND SN: 2F7A013F38F9 Date: June 12, 2012

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