	Test Number: 120913		Test Number:			Mikrotik
		nna gain in dBi.	on TX power added to the ante	MPE uses EIRP for calculation. EIRP is based		MPE Calculator
				compared to an isotropic radiator		
				nsity in mW/cm^2	S = power de	
9	antenna Gain (dBi)	Α			•	
2.2	dBi to dBd	dBd + 2.17 = dBi		Output Power		
6.83	ntenna Gain (dBd)		0.252859	Maximum (Watts)	2437	Tx Frequency (MHz)
0.02	incinia Gain (dDd)	71	0.232033	ividamitan (vv atts)	2157	TATTEQUENCY (14112)
9.00	minus cable (dBi)	Antenna	24.03	(dBm)	0.0	Cable Loss (dB)
9.00	ilmius cable (dbi)	Anteilia	24.03	(dbiii)	0.0	Cable Loss (db)
		EIDD - D-(4DM) + C-in (4D)		1219 640	ated ERP (mw)	Calant
33.029	1 (EIDD) 4D	EIRP = Po(dBM) + Gain (dB)				
33.025	iated (EIRP) dBm			2008.332	ted EIRP (mw)	Calcula
20.06	1'-+-1 (EDD) 4D	ERP = EIRP - 2.17 dB		Power density (S)	-4'1T:'4	0
30.859	Radiated (ERP) dBm				ational Limit	-
				EIRP	mW/cm <sup>2</sup>	
				$= mW/cm^2$	$W/m^2$	50.00000
				4 p r^2	al Public Limit	Genera
					mW/cm <sup>2</sup>	1 00000
				r (cm) EIRP (mW)		10.00000
		1 1210 ( W/ 2)	45.05	ECC # 6	) W/m	10.00000
			ncy radiation exposure limits per			
		Public Limit	Occupational Limit	Frequency (MHz)		
		f/1500	f/300	300-1,500		
		1	5	1,500-10,000		
		ts per 1.1310	requency radiation exposure lim	FCC radio f		
		Public Limit	Occupational Limit	Frequency (MHz)		
		1.624666667	8.123333333	300-1,500 (mW/cm2)		
		16.24666667	81.23333333	300-1,500 (W/m2)		
		1	5	1,500-10,000 (mW/cm2)		
		10	50	1,500-10,000 (mw/cm2)		
		10	30	1,500-10,000 (W/m2)		
D' .	D' ·	D' -	D' .			FIDD
Distance	Distance	Distance	Distance	S	S	EIRP
Feet	inches	meter	cm	$W/m^2$	mW/cm <sup>2</sup>	milliwatts
0.42	196.85	5.00	500.00	0.00639	0.00064	2008.532
0.33	157.48	4.00	400.00	0.00999	0.00100	2008.532
0.25	118.11	3.00	300.00	0.01776	0.00178	2008.532
0.17	78.74	2.00	200.00	0.03996	0.00400	2008.532
0.08	39.37	1.00	100.00	0.15983	0.01598	2008.532
0.08	35.43	0.90	90.00	0.19733	0.01973	2008.532
0.07	31.50	0.80	80.00	0.24974	0.02497	2008.532
0.06	27.56	0.70	70.00	0.32619	0.03262	2008.532
0.05	23.62	0.60	60.00	0.44398	0.04440	2008.532
0.04	19.69	0.50	50.00	0.63934	0.06393	2008.532
	15.75	0.40	40.00	0.99896	0.09990	2008.532
						2008.532
0.03			30.00	1 77593	0.17759	
0.03 0.03	11.81	0.30	30.00 20.00	1.77593 3.99585	0.17759	
0.03 0.03 0.02	11.81 7.87	0.30 0.20	20.00	3.99585	0.39958	2008.532
0.03 0.03 0.02 0.01	11.81 7.87 5.12	0.30 0.20 0.13	20.00 13.00	3.99585 9.45763	0.39958 0.94576	2008.532 2008.532
0.03 0.03 0.02 0.01 0.01	11.81 7.87 5.12 3.94	0.30 0.20 0.13 0.10	20.00 13.00 10.00	3.99585 9.45763 15.98339	0.39958 0.94576 1.59834	2008.532 2008.532 2008.532
0.03 0.03 0.02 0.01 0.01	11.81 7.87 5.12 3.94 2.36	0.30 0.20 0.13 0.10 0.06	20.00 13.00 10.00 6.00	3.99585 9.45763 15.98339 44.39830	0.39958 0.94576 1.59834 4.43983	2008.532 2008.532 2008.532 2008.532
0.03 0.03 0.02 0.01 0.01	11.81 7.87 5.12 3.94	0.30 0.20 0.13 0.10	20.00 13.00 10.00	3.99585 9.45763 15.98339	0.39958 0.94576 1.59834	2008.532 2008.532 2008.532
0.03 0.03 0.02 0.01 0.01	11.81 7.87 5.12 3.94 2.36	0.30 0.20 0.13 0.10 0.06	20.00 13.00 10.00 6.00	3.99585 9.45763 15.98339 44.39830	0.39958 0.94576 1.59834 4.43983	2008.532 2008.532 2008.532 2008.532
0.03 0.03 0.02 0.01 0.01	11.81 7.87 5.12 3.94 2.36	0.30 0.20 0.13 0.10 0.06	20.00 13.00 10.00 6.00	3.99585 9.45763 15.98339 44.39830	0.39958 0.94576 1.59834 4.43983	2008.532 2008.532 2008.532 2008.532
0.03 0.03 0.02 0.01 0.01 0.00 Public Limit	11.81 7.87 5.12 3.94 2.36 1.97	0.30 0.20 0.13 0.10 0.06 0.05	20.00 13.00 10.00 6.00 5.00	3.99585 9.45763 15.98339 44.39830	0.39958 0.94576 1.59834 4.43983	2008.532 2008.532 2008.532 2008.532
0.03 0.03 0.02 0.01 0.01 0.01 0.00 Public Limit inimum distance	11.81 7.87 5.12 3.94 2.36 1.97	0.30 0.20 0.13 0.10 0.06 0.05  Occupational Limit minimum Distance	20.00 13.00 10.00 6.00 5.00  Occupational Limit minimum Distance	3.99585 9.45763 15.98339 44.39830 63.93356	0.39958 0.94576 1.59834 4.43983	2008.532 2008.532 2008.532 2008.532
0.03 0.03 0.02 0.01 0.01 0.00 Public Limit	11.81 7.87 5.12 3.94 2.36 1.97	0.30 0.20 0.13 0.10 0.06 0.05  Occupational Limit minimum	20.00 13.00 10.00 6.00 5.00	3.99585 9.45763 15.98339 44.39830	0.39958 0.94576 1.59834 4.43983	2008.532 2008.532 2008.532 2008.532

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Mikrotikls SIA Model: SXTr2 2nD Test #: 120913

Test to: CFR47 (15.247) File: RFExp SXT2nD

SN: 3AAE01DD0C13/236 FCC ID#: TV7SXT-2ND Date: December 3, 2012

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