	otik Model: SXT r2 5nD Test Number: 120917					
	wer added to the antenna gain in dBi.		n TX power added to the ante	MPE uses EIRP for calculation. EIRP is based on TX power added to the		
				compared to an isotropic radiator	dBi = dB gain	
				nsity in mW/cm^2	S = power den	
	intenna Gain (dBi)	A				
2.	dBi to dBd	dBd + 2.17 = dBi		Output Power		
12.83	ntenna Gain (dBd)	A	0.251785	Maximum (Watts)	5785	Tx Frequency (MHz)
15.0	minus cable (dBi)	Antenna	24.01	(dBm)	0.0	Cable Loss (dB)
	immus cuote (ubi)	7 Income	21.01	(com)	0.0	Cacic Boss (ab)
		EIRP = Po(dBM) + Gain (dB)		4830.922	ated ERP (mw)	Calcul
39.01	iated (EIRP) dBm			7962.143	ted EIRP (mw)	Calcula
		ERP = EIRP - 2.17 dB		Power density (S)		
36.84	diated (ERP) dBm	Rae		rower density (5)	ational Limit	_
				EIRP	mW/cm ²	5.0000
				$= mW/cm^2$	W/m^2	50.0000
				4 p r^2	al Public Limit	Gener
				r (am) FIPD (mW)	mW/cm ²	1.0000
				r (cm) EIRP (mW)		10.0000
		1 1310 (mW/cm2)	y radiation exposure limits per	FCC radio frequen	VV/III	10.0000
		Public Limit	Occupational Limit	Frequency (MHz)		
		f/1500	f/300	300-1,500		
		1	5	1,500-10,000		
		•		1,200 10,000		
		its per 1.1310	equency radiation exposure lim	FCC radio fi		
		Public Limit	Occupational Limit	Frequency (MHz)		
		3.856666667	19.28333333	300-1,500 (mW/cm2)		
		38.56666667	192.8333333	300-1,500 (W/m2)		
		1	5	1,500-10,000 (mW/cm2)		
		10	50	1,500-10,000 (W/m2)		
Distance	Distance	Distance	Distance	S	S	EIRP
Feet	inches	meter	cm	W/m^2	mW/cm ²	milliwatts
0.08	39.37	1.00	100.00	0.63361	0.06336	7962.143
0.08	35.43	0.90	90.00	0.78223	0.07822	7962.143
0.07	31.50	0.80	80.00	0.99001	0.09900	7962.143
0.06	27.56	0.70	70.00	1.29308	0.12931	7962.143
0.05	23.62	0.60	60.00	1.76002	0.17600	7962.143
0.04	19.69	0.50	50.00	2.53443	0.25344	7962.143
0.03	15.75	0.40	40.00	3.96005	0.39600	7962.143
0.03	11.81	0.30	30.00	7.04008	0.70401	7962.143
0.02	9.84	0.25	25.00	10.13772	1.01377	7962.143
0.02	7.87	0.20	20.00	15.84018	1.58402	7962.143
0.01	3.94	0.10	10.00	63.36072	6.33607	7962.143
0.01	3.54	0.09	9.00	78.22312	7.82231	7962.143
0.01	3.15	0.08	8.00	99.00113	9.90011	7962.143
0.01	2.76	0.07	7.00	129.30760	12.93076	7962.143
0.01	2.36	0.06	6.00	176.00201	17.60020	7962.143
0.00	1.97	0.05	5.00	253.44290	25.34429	7962.143
0.00	1.57	0.04	4.00	396.00453	39.60045	7962.143
Public Limit	Public Limit	Occupational Limit minimum	Occupational Limit minimum			
minimum distance	minimum	Distance	Distance			
(cm / inches)	distance (meters)	(cm / inches)	(meters)	Frequency (MHz)		
	` '	, ,	1 ,		-	
N/A	N/A	N/A	N/A	300-1,500		

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Mikrotikls SIA Model: RouterBOARD SXT 5nD r2

Test #: 120917

Test to: CFR47 (15.247) File: RFExp RBSXT5nDr2

SN: 3B5501DDAF1/236 FCC ID#: TV7SXT-5ND Date: January 29, 2013

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