ADE CL. L.		Model: SXTG 5HnD	Test Number:			
MPE Calculator			on TX power added to the ante	nna gain in dBi.		
		compared to an isotropic radiate	or.			
	$S = power density in mW/cm^2$					
				A	Antenna Gain (dBi)	14
		Output Power		dBd + 2.17 = dBi	dBi to dBd	2.2
Tx Frequency (MHz)	5785	Maximum (Watts)	0.400000	A	ntenna Gain (dBd)	11.83
Cable Loss (dB)	0.0	(dBm)	26.02	Antenna	minus cable (dBi)	14.00
Calante	ated ERP (mw)	6006 211		EIDD - Do(4DM) + Coin (4D)		
	ted EIRP (mw)			EIRP = Po(dBM) + Gain (dB) Rad	liated (EIRP) dBm	40.021
Culculu	ica Ena (inw)	10017.510		ERP = EIRP - 2.17 dB	lated (Elid) doll	10.02
Оссин	ational Limit	Power density (S)			diated (ERP) dBm	37.85
-	mW/cm ²			144		37.03.
		EIRP = mW/cm^2				
50.00000		$4 p r^2$ = mW/cm ²				
	l Public Limit	4 pr 2				
	mW/cm ²	r (cm) EIRP (mW)				
10.00000	W/m^2					
		FCC radio freque	ency radiation exposure limits per	1.1310 (mW/cm2)		
		Frequency (MHz)	Occupational Limit	Public Limit		
		300-1,500	f/300	f/1500		
		1,500-10,000	5	1		
		FCC radio	frequency radiation exposure lim	its per 1.1310		
		Frequency (MHz)	Occupational Limit	Public Limit		
		300-1,500 (mW/cm2)	19.28333333	3.856666667		
		300-1,500 (W/m2)	192.8333333	38.56666667		
		1,500-10,000 (mW/cm2)	5	1		
		1,500-10,000 (W/m2)	50	10		
EIRP	S	S	Distance	Distance	Distance	Distance
milliwatts	mW/cm ²	W/m ²	cm	meter	inches	Feet
10047.546	0.00125	0.01249	800.00	8.00	314.96	0.67
10047.546	0.00123	0.01249	500.00	5.00	196.85	0.42
10047.546	0.00320	0.12793	250.00	2.50	98.43	0.42
10047.546	0.01279	0.79956	100.00	1.00	39.37	0.08
10047.546	0.07930	0.98711	90.00	0.90	35.43	0.08
10047.546	0.03871	1.24931	80.00	0.80	31.50	0.08
10047.546	0.16318	1.63175	70.00	0.70	27.56	0.06
10047.546	0.22210	2.22100	60.00	0.60	23.62	0.05
10047.546	0.31982	3.19823	50.00	0.50	19.69	0.04
10047.546	0.49972	4.99724	40.00	0.40	15.75	0.03
10047.546	0.65270	6.52701	35.00	0.35	13.78	0.03
10047.546	0.88840	8.88398	30.00	0.30	11.81	0.03
10047.546	1.01984	10.19845	28.00	0.28	11.02	0.02
10047.546	1.99890	19.98896	20.00	0.20	7.87	0.02
10047.546	3.55359	35.53592	15.00	0.15	5.91	0.01
10047.546	4.73111	47.31114	13.00	0.13	5.12	0.01
10047.546	7.99558	79.95583	10.00	0.10	3.94	0.01
			Occupational Limit minimum	Occupational Limit minimum	Public Limit	Public Limit minimum
			Distance	Distance	minimum	distance
		Frequency (MHz)	(meters)	(cm / inches)	distance (meters)	(cm / inches)
		300-1,500	N/A	N/A	N/A	N/A
		1,500-10,000	0.13	13 / 5.1	0.28	28 / 11

Rogers Labs, Inc. 4405 W. 259th Terrace Louisburg, KS 66053 Phone/Fax: (913) 837-3214 Revision 1 MIKROTIK Model: SXTG 5HnD Test #: 110914A Test to: FCC (15.247) File: RFExp SXTG5HnD

FCC ID#: TV7SXTG-5HnD SN: 308F01DDB8D Date: October 31, 2011 Page 1 of 1