MPE Calculator		P for calculation. EIRP is based compared to an isotropic radiate	on TX power added to the ante	nna gain in dBi.		
		sity in mW/cm^2	и.			
	S – power den	Sily III IIIW/CIII 2			Antenna Gain (dBi)	
		Output Power		dBd + 2.17 = dBi	dBi to dBd	2.:
Tx Frequency (MHz)	2437	Maximum (Watts)	1.000000		antenna Gain (dBd)	-0.1
1x Frequency (MFIZ)	2437	Maximum (waus)	1.000000		dheilia Galli (dbu)	-0.1
Cable Loss (dB)	0.0	(dBm)	30.00	Antenna	a minus cable (dBi)	2.00
Cal	culated ERP (mw)	961.612		EIRP = Po(dBM) + Gain (dB)		
Calc	culated EIRP (mw)	1584.893			diated (EIRP) dBm	32.00
		D 1 : (0)		ERP = EIRP - 2.17 dB		
Occupational Limit		Power density (S)		Ra	diated (ERP) dBm	29.83
5.000	000 mW/cm^2	EIRP				
50.000	000 W/m^2	= mW/cm^2				
	eral Public Limit	4 p r^2				
1 000	000 mW/cm ²	() FIRD (W)				
	000 W/m ²	r (cm) EIRP (mW)				
10.000	500 W/III	FCC radio freque	ency radiation exposure limits per	1 1310 (mW/cm2)		
		Frequency (MHz)	Occupational Limit	Public Limit	1	
		300-1,500	f/300	f/1500	1	
		1,500-10,000	5	1		
		-,	<u>-</u>	-		
		FCC radio	frequency radiation exposure lim	its per 1.1310		
		Frequency (MHz)	Occupational Limit	Public Limit		
		300-1,500 (mW/cm2)	8.123333333	1.62466667		
		300-1,500 (W/m2)	81.23333333	16.24666667		
		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
1584.893	0.00050	0.00504	500.00	5.00	196.85	0.42
1584.893	0.00079	0.00788	400.00	4.00	157.48	0.33
1584.893	0.00140	0.01401	300.00	3.00	118.11	0.25
1584.893	0.00315	0.03153	200.00	2.00	78.74	0.17
1584.893	0.00412	0.04118	175.00	1.75	68.90	0.15
1584.893	0.00561	0.05605	150.00	1.50	59.06	0.13
1584.893	0.00807	0.08072	125.00	1.25	49.21	0.10
1584.893	0.01261	0.12612	100.00	1.00	39.37	0.08
1584.893	0.01557	0.15571	90.00	0.90	35.43	0.08
1584.893	0.01971	0.19707	80.00	0.80	31.50	0.07
1584.893	0.02574	0.25739	70.00	0.70	27.56	0.06
1584.893	0.03503	0.35034	60.00	0.60	23.62	0.05
1584.893	0.05045	0.50449	50.00	0.50	19.69	0.04
1584.893	0.07883	0.78826	40.00	0.40	15.75	0.03
1584.893	0.14014	1.40135	30.00	0.30	11.81	0.03
1584.893	0.31530	3.15304	20.00	0.20	7.87	0.02
1584.893	1.04233	10.42329	11.00	0.11	4.33	0.01
			Occupational Limit minimum Distance	Occupational Limit minimum Distance	Public Limit minimum	Public Limit 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			0.11	11 / 4.3

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Revision 1

Mikrotikls SIA Model: CRS125-24G-1S-2HnD-IN Test #: 140127

Test to: CFR47 (15.247)

Date: February 26, 2014 File: RFExp CRS125_24G2HND Page 1 of 1

SN: 49C702384413/352

FCC ID#: TV7CRS125-24G2HND