MPE Calculator		RP for calculation. EIRP is	•	added to the antenna g	gain in dBi.	
	_	n compared to an isotropic i	radiator.			
	S = power de	nsity in mW/cm^2				
					Antenna Gain (dBi)	
		Output Power		dBd + 2.17 = dBi	dBi to dBd	
Tx Frequency (MHz)	915	Maximum (Watts)	0.500000		Antenna Gain (dBd)	14.8
Cable Loss (dB)	0.0	(dBm)	26.99	Antenna minus cable (dBi)		17.0
Calculated ERP (mw)		15204.425	EIRP = Po(dBM) + Gain(dB)			
Calculat	ted EIRP (mw)	25059.362			Radiated (EIRP) dBm	43.99
		D 1 : (0)		ERP = EIRP - 2.17 dB		
Оссира	tional Limit	Power density (S)			Radiated (ERP) dBm	41.82
3.05000	mW/cm ²	EIRP = mW/cm^2				
30.50000	W/m ²	4 p r^2				
	Public Limit					
	mW/cm ²	- (,				
6.10000	W/m²					
			y radiation exposure l			
		Frequency (MHz)	Occupational Limit	Public Limit		
		300-1,500	f/300	f/1500		
		1,500-10,000	5	1		
		FCC radio frequency	y radiation exposure l			
			Occupational Limit	Public Limit @ Tx		
		Frequency (MHz)	@ Tx Freq	Freq (mW/cm ²)		
		300-1,500 (mW/cm2)	3.05	0.61		
		300-1,500 (W/m2)	30.5	6.1		
		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
25059.362	0.19942	1.99416	100.00	1.00	39.37	0.08
25059.362	0.24619	2.46193	90.00	0.90	35.43	0.08
25059.362	0.31159	3.11588	80.00	0.80	31.50	0.07
25059.362	0.40697	4.06972	70.00	0.70	27.56	0.06
25059.362	0.55393	5.53934	60.00	0.60	23.62	0.05
25059.362	0.61378	6.13777	57.00	0.57	22.44	0.05
25059.362	0.65923	6.59227	55.00	0.55	21.65	0.05
25059.362	0.79766	7.97664	50.00	0.50	19.69	0.04
25059.362	1.24635	12.46350	40.00	0.40	15.75	0.03
25059.362	2.21573	22.15734	30.00	0.30	11.81	0.03
25059.362	2.94994	29.49942	26.00	0.260	10.24	0.022
25059.362	4.98540	49.85402	20.00	0.200	7.87	0.017
25059.362	18.61570	186.15703	10.35	0.104	4.07	0.009
25059.362	19.94161	199.41606	10.00	0.100	3.94	0.008
25059.362	24.61927	246.19267	9.00	0.090	3.54	0.008
25059.362	31.15876	311.58760	8.00	0.080	3.15	0.007
25059.362	40.69716	406.97156	7.00	0.070	2.76	0.006
			_			
			Occupational Limit	•	Public Limit minimum	
			minimum Distance	minimum Distance	distance (meters)	distance (cm /
			(meters)	(cm / inches)		inches)
		Frequency (MHz)				
		300-1,500	0.26	26 / 10.3	0.570	57 / 22
		1,500-10,000	N/A	N/A	N/A	N/A

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Model: RouterBOARD Metal 9HPn

Test #: 140407

Test to: CFR47 (15.247) File: RFExp RBMetal9HPn SN: 4D2B0251F36E/405 FCC ID#: TV7METAL9HPN

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