MPE Calculation page

Calculation page					
MPE Calculator	Dynastream		Test Number	090614	
MPE uses EIRP for ca	lculation. EIRI	is based on TX pow	er added to the antenna	gain in dBi.	
	dBi = dB gain	compared to an isotr	opic radiator.		
	S = power de	nsity in mW/cm^2		Antenna Gain (dBi)	1
		Output Powe	r dBd + 2.17 = dBi	dBi to dBd	2.17
Tx Frequency (MHz)	2457	(Watts	0.000002		-1.17
			Ant	enna minus cable (dBi)	1.00
Cable Loss (dB)	0.0	(dBm	-27.03		
Calcula	ated ERP (mw)	0.002		Radiated (EIRP) dBm	-26.02
Calculat	ted EIRP (mw)	0.002			
				Radiated (ERP) dBm	-28.19
Occupational Limit		I	Power density (S) =		
5.00000 mW/cm ²			EIRP		
			$= mW/cm^2$		
Genera	l Public Limit		p r^2		
1.00000		L	r (cm), EIRP (mW)]		
1.00000	mw/cm				
		FCC 4:- 6		f	
			uency radiation exposure	Public Limit	
		Frequency (MHz)	Occupational Limit		
		300-1,500	f/300	f/1500	
		1,500-10,000	5	1	
		ECC the fire recovery distinguished their recovery their recovery 1 1210			
		FCC radio frequency radiation exposure limits per 1.1310			
				DATE TO SOM	
		E 251	Occupational Limit @	Public Limit @ Tx	
		Frequency (MHz)	Tx Freq (mW/cm^2)	Freq (mW/cm^2)	
		300-1,500	8.19	1.638	
		1,500-10,000	5	1	
		EIRP	Distance	Distance	S
		milliwatts	cm	inches	mW/cm
		0.002	10.00	3.94	0.00000
		0.002	9.00	3.54	0.00000
		0.002	8.00	3.15	0.00000
		0.002	7.00	2.76	0.00000
		0.002	6.00	2.36	0.00001
		0.002	5.00	1.97	0.00001
		0.002	4.00	1.57	0.00001
		0.002	3.00	1.18	0.00002
		0.002	2.00	0.79	0.00002
		0.002	1.00	0.39	0.00020
		0.002	0.50	0.20	0.00079
		0.002	0.40	0.16	0.00124
		0.002	0.25	0.10	0.00318
		0.002	0.10	0.04	0.01986
		0.002	0.05	0.02	0.07943
		_			
			Occupational Limit		
			minimum Distance	Public Limit minimum	
		Frequency (MHz)	(cm)	distance (cm)	
		300-1,500	N/A	N/A	
		1,500-10,000	N/A	0.05	

Dynastream Innovations, Inc.

Rogers Labs, Inc. 4405 West 259th Terrace

Louisburg, KS 66053 Revision 1

Model: HRM2A

RFExp HRM2A

Test #: 090614 SN: 33393 Phone/Fax: (913) 837-3214 Test to: CFR47 Parts 2 and 15.249, RSS-210 FCC ID#: O6RHMR2 IC: 3797A-HRM2 Page 1 of 1

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