MPF Calculation page

MPE Calculation 1					
MPE Calculator	Bushnell Inc		Test Number	100615A	
MPE uses EIRP for calcu		on TX power added to the			
		red to an isotropic radiate	or.		
	S = power density in			Antenna Gain (dBi)	
			dBd + 2.17 = dBi	dBi to dBd	2.1
Tx Frequency (MHz)	916.7	(Watts)			-1.1
				enna minus cable (dBi)	1.0
Cable Loss (dB)	0.0	(dBm)	-15.83		
	Calculated ERP (mw)			Radiated (EIRP) dBm	-14.82
	Calculated EIRP (mw)	0.033		D 11 - 1 (EDD) 1D	1.00
	0 4 17 4	Power density (S)		Radiated (ERP) dBm	-16.99
	Occupational Limit				
3.05567	mW/cm ²				
		$ = mW/cm^2$			
	General Public Limit	4 π r^2			
0.61113	mW/cm ²	r (cm) EIRP (mW)			
		_	cy radiation exposure		
		Frequency (MHz)	Occupational Limit	Public Limit	
		300-1,500	f/300	f/1500	
		1,500-100,000	5	1	
		FCC radio frequency radiation exposure limits per 1.1310			
			Occupational Limit	Public Limit @ Tx	
		Frequency (MHz)	@ Tx Freq	Freq (mW/cm^2)	
			(mW/cm^2)	_	
		300-1,500	3.055666667	0.611133333	
		1,500-100,000	5	1	
		EMP	D1 :	D1.	
		EIRP	Distance	Distance	S
		milliwatts	cm	inches	mW/cr
		0.033	50.00	19.69	0.00000
		0.033	40.00	15.75	0.00000
		0.033	30.00	11.81	0.00000
		0.033	20.00	7.87	0.00001
		0.033	10.00	3.94	0.00003
		0.033	5.00	1.97	0.00010
		0.033	4.00	1.57	0.00016
		0.033	3.00	1.18	0.00029
		0.033	2.00	0.79	0.00065
		0.033	1.00	0.39	0.00262
		0.033	0.50	0.20	0.01047
		0.033	0.25	0.10	0.04188
		0.033	0.20	0.08	0.06544
		0.033	0.10	0.04	0.26176
		0.033	0.07	0.03	0.53421
			Occupational Limit		
		Frequency (MHz)	minimum Distance (cm / in)	Public Limit minimum distance (cm / in)	
		300-1,500	N/A	0.07 / 0.03"	
		300-1.300			

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Revision 1

Bushnell Inc. Model: Speedster III (101921)

Test #: 100615A Test to: FCC Parts 2 and 15c, RSS-210

File: RFExp Speedster3

FCC ID: YEQ1019210 IC: 5380A-1019210 SN: ENG1 Date: July 22, 2010 Page 1 of 1