MPE Calculation page

MPE Calculator		RP for calculation. EIRP is based compared to an isotropic radiato	-	енна даш ин оды.		
		nsity in mW/cm^2	1.			
	5 - power de	isky iii iii wyciii 2			Antenna Gain (dBi)	1.1
		Output Power		dBd + 2.17 = dBi	dBi to dBd	
Tx Frequency (MHz)	2437		0.033661		antenna Gain (dBd)	-0.4
in Frequency (Mile)	2.37	171tumitum (17tuto)	0.033001	-	incomia Gam (aba)	0.1
Cable Loss (dB)	0.0	(dBm)	15.27	Antenn	a minus cable (dBi)	1.70
` '		, ,			, ,	
Calc	ulated ERP (mw)	30.208		EIRP = Po(dBM) + Gain(dB)		
Calculated EIRP (mw)		49.788		Rad	diated (EIRP) dBm	16.97
		D 1 (C)		ERP = EIRP - 2.17 dB		
Occu	pational Limit	Power density (S)		Ra	ndiated (ERP) dBm	14.80
5.0000	00 mW/cm^2	EIRP				
50.0000	00 W/m^2	2 = mW/cm^2				
	ral Public Limit	4 p r^2				
1 0000	00 mW/cm ²	() FIRD (HD				
	00 W/m ²	r (cm) EIRP (mW)				
10.0000	VV/III	FCC radio frame	ency radiation exposure limits per	r 1 1310 (mW/cm ²)		
		Frequency (MHz)	Occupational Limit	Public Limit		
		300-1,500	f/300	f/1500		
		1,500-10,000	5	1		
		1,500 10,000		•		
		FCC radio	frequency radiation exposure lim	nits per 1.1310		
			• • •	T		
		Frequency (MHz)	Occupational Limit	Public Limit		
		300-1,500 (mW/cm2)	8.123333333	1.624666667		
		300-1,500 (W/m2)	81.23333333	16.24666667		
		1,500-10,000 (mW/cm2)	5 50	1 10		
		1,500-10,000 (W/m2)	30	10		
EIRP	S	S	Distance	Distance	Distance	Distance
milliwatts	mW/cm ²	W/m ²	cm	meter	inches	Feet
49.788	0.00002	0.00016	500.00	5.00	196.85	16.40
49.788	0.00002	0.00016	400.00	4.00	157.48	13.12
49.788	0.00002	0.00023	300.00	3.00	118.11	9.84
49.788	0.00010	0.00099	200.00	2.00	78.74	6.56
49.788	0.00013	0.00129	175.00	1.75	68.90	5.74
49.788	0.00018	0.00176	150.00	1.50	59.06	4.92
49.788	0.00025	0.00254	125.00	1.25	49.21	4.10
49.788	0.00040	0.00396	100.00	1.00	39.37	3.28
49.788	0.00049	0.00489	90.00	0.90	35.43	2.95
49.788	0.00062	0.00619	80.00	0.80	31.50	2.62
49.788	0.00081	0.00809	70.00	0.70	27.56	2.30
49.788	0.00110	0.01101	60.00	0.60	23.62	1.97
49.788	0.00158	0.01585	50.00	0.50	19.69	1.64
49.788	0.00634	0.06339	25.00	0.25	9.84	0.82
49.788	0.03962	0.39620	10.00	0.10	3.94	0.33
49.788	0.15848	1.58479	5.00	0.05	1.97	0.16
49.788	0.99049	9.90493	2.00	0.02	0.79	0.07
		_	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			0.02	2 / 0.8

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Phone/Fax: (913) 837-3214 Revision 1 Digital Ally

Model: Microvu HD Test #: 141117

Test to: CFR47, RSS-210 File: RFExp Microvu

SN: ENG1 FCC ID: WPZ-MICROVU IC ID: 7945A-MICROVU Date: April 21, 2015

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