MPE Calculation

MPE Calculation	G + E E 1 . II		m		100000	
MPE Calculator	SAF Tehnika		Test Nu		100203	
MPE uses EIRP for cal					gaın ın dBi.	
		compared to an isotro	pic radia	tor.	4	
	S = power de	nsity in mW/cm^2	1D 1 0	17 ID:	Antenna Gain (dBi)	40
	21112	Output Power			dBi to dBd	2.1
Tx Frequency (MHz)	24,143	(Watts)		0.099339		37.83
G 11 Y (55)					enna minus cable (dBi)	40.00
Cable Loss (dB)	0.0	(dBm)		19.97		
~					- 4 4	
	ited ERP (mw)				Radiated (EIRP) dBm	59.97
Calculat	ted EIRP (mw)	993393.364			- 4	
					Radiated (ERP) dBm	57.80
	pational Limit		(S) =			
5.00000	mW/cm ²	EIRP				
		= mW/c	m^2			
General Public Limit		4 p r^2 [r (cm), EIRP (mW)]				
1.00000 mW/cm ²		[f (ciii), EIRP	(IIIW)]			
		FCC radio frequency radiation exposur		e limits per 1.1310		
		Frequency (MHz)		ational Limit	Public Limit	
		30-300		1	0.2	
		300-1,500		f/300	f/1500	
		1,500-100,000		5	1	
		1,500 100,000			-	
		FCC radio frequency radiation exposure limits			limits per 1 1310	
		1 CC radio frequency radiation exposure firms po			minus per 1.1310	
			Occupa	tional Limit @	Public Limit @ Tx	
		Frequency (MHz)		(mW/cm^2)	Freq (mW/cm^2)	
		1 requeries (WIT12)	IXIIC	1	0.2	
		300-1,500	80 /	1 17666667	16.09533333	
		1,500-100,000	80.5	5	10.0933333	
		1,300-100,000		3	1	
		EIRP	Г	Distance	Distance	S
			L			
		milliwatts		cm	inches	mW/cm
		993393.364	-	000.00	393.70	0.07905
		993393.364	-	00.00	354.33	0.09759
		993393.364	<u> </u>	300.00	314.96	0.12352
		993393.364	<u> </u>	700.00	275.59	0.16133
		993393.364		500.00	236.22	0.21959
		993393.364		00.00	196.85	0.31621
		993393.364		100.00	157.48	0.49407
		993393.364		300.00	118.11	0.87835
		993393.364		275.00	108.27	1.04531
		993393.364		200.00	78.74	1.97629
		993393.364		175.00	68.90	2.58128
		993393.364		150.00	59.06	3.51341
		993393.364		125.00	49.21	5.05931
		993393.364		100.00	39.37	7.90517
		993393.364	<u> </u>	90.00	35.43	9.75947
			Occup	ational Limit		
				n Distance cm	Public Limit minimum	
		Frequency (MHz)	/	inches	distance cm / inches	
		300-1,500		N/A	N/A	

Rogers Labs, Inc. 4405 W. 259th Terrace Louisburg, KS 66053 Phone/Fax: (913) 837-3214

Phone/Fax: (913) 837-3214 Revision 1 Model: CFIP-24-Lumina Test #: 100203 SN: 321580100038

SAF Tehnika AS

Test to: FCC Parts 2, 15.249, RSS-210 Annex 12

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FCC ID#: W9Z-LUMINA-24

Date: March 3, 2010

IC: 8855A-LUMINA-24

SN: 321590100037