	Model: RB mAP 2n	Test Number:			
Calculator MPE uses EIR	P for calculation. EIRP is based	l on TX power added to the ante	enna gain in dBi.		
dBi = dB gain e	compared to an isotropic radiate	or.			
S = power den	nsity in mW/cm^2				
				Antenna Gain (dBi)	
	Output Power		dBd + 2.17 = dBi	dBi to dBd	2.2
requency (MHz) 2437	Maximum (Watts)	0.063000	A	intenna Gain (dBd)	-0.17
e Loss (dB) 0.0	(dBm)	17.99	Antenna	a minus cable (dBi)	2.00
C.1.1.1EDD()	CO 502		FIRE B (1D) 6 + C ' (1D)		
Calculated ERP (mw) Calculated EIRP (mw)			EIRP = Po(dBM) + Gain (dB)	diated (EIDD) dD	19.993
Calculated ETRP (fffw)	99.848		ERP = EIRP - 2.17 dB	diated (EIRP) dBm	19.993
Occupational Limit	Power density (S)			diated (ERP) dBm	17.823
5.00000 mW/cm ²			IX.	idiated (ERG) dDill	17.02.
	EIRP				
50.00000 W/m ²	$ = mW/cm^2$ 4 p r ²				
General Public Limit	4 p r 2				
1.00000 mW/cm ²	r (cm) EIRP (mW)				
10.00000 W/m^2					
	FCC radio freque	ency radiation exposure limits per	1.1310 (mW/cm2)		
	Frequency (MHz)	Occupational Limit	Public Limit		
	300-1,500	f/300	f/1500		
	1,500-10,000	5	1		
	FCC radio	frequency radiation exposure lim	its per 1.1310		
	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	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
99.848 0.00003	0.00032	500.00	5.00	196.85	0.42
99.848 0.00005	0.00050	400.00	4.00	157.48	0.33
99.848 0.00009	0.00088	300.00	3.00	118.11	0.25
99.848 0.00020	0.00199	200.00	2.00	78.74	0.17
99.848 0.00026	0.00259	175.00	1.75	68.90	0.15
99.848 0.00035	0.00353	150.00	1.50	59.06	0.13
99.848 0.00051	0.00509	125.00	1.25	49.21	0.10
99.848 0.00079	0.00795	100.00	1.00	39.37	0.08
99.848 0.00141	0.01413	75.00	0.75	29.53	0.06
99.848 0.00318	0.03178	50.00	0.50	19.69	0.04
			0.40	15.75	0.03
99.848 0.00497	0.04966	40.00	0.40		
99.848 0.00497 99.848 0.00883	0.08829	30.00	0.30	11.81	0.03
99.848 0.00497 99.848 0.00883 99.848 0.01986	0.08829 0.19864	30.00 20.00	0.30 0.20	11.81 7.87	0.02
99.848 0.00497 99.848 0.00883 99.848 0.01986 99.848 0.07946	0.08829 0.19864 0.79457	30.00 20.00 10.00	0.30 0.20 0.10	11.81 7.87 3.94	0.02 0.01
99.848 0.00497 99.848 0.00883 99.848 0.01986 99.848 0.07946 99.848 0.31783	0.08829 0.19864 0.79457 3.17827	30.00 20.00 10.00 5.00	0.30 0.20 0.10 0.05	11.81 7.87 3.94 1.97	0.02 0.01 0.00
99.848 0.00497 99.848 0.00883 99.848 0.01986 99.848 0.07946 99.848 0.31783 99.848 0.88285	0.08829 0.19864 0.79457 3.17827 8.82853	30.00 20.00 10.00 5.00 3.00	0.30 0.20 0.10 0.05 0.03	11.81 7.87 3.94 1.97 1.18	0.02 0.01 0.00 0.00
99.848 0.00497 99.848 0.00883 99.848 0.01986 99.848 0.07946 99.848 0.31783	0.08829 0.19864 0.79457 3.17827	30.00 20.00 10.00 5.00	0.30 0.20 0.10 0.05	11.81 7.87 3.94 1.97	0.02 0.01 0.00
99.848 0.00497 99.848 0.00883 99.848 0.01986 99.848 0.07946 99.848 0.31783 99.848 0.88285	0.08829 0.19864 0.79457 3.17827 8.82853	30.00 20.00 10.00 5.00 3.00 2.00	0.30 0.20 0.10 0.05 0.03 0.02	11.81 7.87 3.94 1.97 1.18 0.79	0.02 0.01 0.00 0.00 0.00
99.848 0.00497 99.848 0.00883 99.848 0.01986 99.848 0.07946 99.848 0.31783 99.848 0.88285	0.08829 0.19864 0.79457 3.17827 8.82853	30.00 20.00 10.00 5.00 3.00 2.00	0.30 0.20 0.10 0.05 0.03 0.02	11.81 7.87 3.94 1.97 1.18 0.79	0.02 0.01 0.00 0.00 0.00
99.848 0.00497 99.848 0.00883 99.848 0.01986 99.848 0.07946 99.848 0.31783 99.848 0.88285	0.08829 0.19864 0.79457 3.17827 8.82853 19.86418	30.00 20.00 10.00 5.00 3.00 2.00 Occupational Limit minimum Distance	0.30 0.20 0.10 0.05 0.03 0.02 Occupational Limit minimum Distance	11.81 7.87 3.94 1.97 1.18 0.79	0.02 0.01 0.00 0.00 0.00 Public Limit minimum distance
99.848 0.00497 99.848 0.00883 99.848 0.01986 99.848 0.07946 99.848 0.31783 99.848 0.88285	0.08829 0.19864 0.79457 3.17827 8.82853	30.00 20.00 10.00 5.00 3.00 2.00	0.30 0.20 0.10 0.05 0.03 0.02	11.81 7.87 3.94 1.97 1.18 0.79	0.02 0.01 0.00 0.00 0.00

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Test to: CFR47 (15.247) File: RFExp RBmAP 2n SN: 4B13044D71A3/409 FCC ID#: TV7RBMAP2N Date: May 13, 2014

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