		1							
Meraki MR58	8								
Wichaki Wikoc	,								
FCC ID: UDX	-62009015								
802.11n AP					Calculate mW/c	m2 here. Enter	frequency	in MHz:	
RF Hazard Distance Calculation					Calculation of Li	Calculation of Limits from 1.1310 T			
								Controlled	Uncontrolled
								Ave 6 min	Ave 30 min
mW/cm2 from Table1:		1.00			F(MHz)	Actual F, MHz		Occ, mW/c2	Gen, mW/c
					0.3-3	0.5		100.0	100.0
Max RF Powe	TX Antenna	MPE distance	S, mW/cm@	Comment	3.0 - 30.0	5		180.0	36.0
P, dBm	G, dBi	cm	at 20 cm		30.0-300	55		1.0	0.2
·					300-1500	902		3.0	0.60
21.87	3.00	4.9	0.06	2.4 GHz mono	1500-100000	5555		5.0	1.0
21.87	2.5	4.7	0.05	2.4 GHz dual					
21.87	11.5	13.1	0.43	2.4 GHz HV					
17.00	19.0	17.8	0.79	2.4 GHz panel	Enter P(mW)	Equivalent dBm	Enter dBi	Equivalent Wa	tts
21.17	4.0	5.1	0.07	5GHz mono					
21.17	5.0	5.7	0.08	5GHz dual mono					
21.17	14.5	17.1	0.73	5 GHz HV					
21.17	23.0	45.6	5.20	5 GHz panel					
Basis of Cal	L culations:				1000	30.00	30.00	1000.0	
$E^2/3770 = S$, mW/cm2								
E, V/m = (Pw)	atts*Ggain*30))^.5/d, meters							
d = ((Pwatts*G*30)/3770*S))^0.5			Pwatts*Ggain =	= 10^(PdBm-30+Gd	lBi)/10)				
	0 log (MPE dis								
					istance is for FCC	compliance is 20	cm,		
ever	ı if calculatio	ns indicate MF	E distance is I	ess					
			<u> </u>			Į			