

Customer:	Epitel	Notes
Model:	E001	DTS
FCC ID:	2AVPHEPGD1	
IC ID:		
Classification:	General Population	

MPE Calculator	RF Exposure	
	Calculations	
Lowest Frequency	2402.000	MHz
Highest Frequency	2480.000	MHz
Wavelength (lowest frequency)	0.125	m
Antenna aperture (1/4 wavelength radiator assumed)	0.031	m
Far Field Distance	1.561	cm
Power (Calculated based upon field strength)	-8.1000	dBm
Ant Gain dBi	0.5000	dB
Cable Loss	0.0000	dB
ERP dBm	-7.6000	dB
ERP mW	0.1738	mW
R	0.5000	cm
S	0.055344	mW/cm^2

Standards
CFR 47 Part 1.1310

Occupational/Controlled Exposure Limit			inches	cm	time
OSHA	10.000	mW/cm^2	0.197	0.500	6
FCC	5.000	mW/cm^2	0.197	0.500	6
IC	3.164	mW/cm^2	0.197	0.500	6
General Population/Uncontrolled Exposure Limit					
OSHA	10.000	mW/cm^2	0.197	0.500	6
FCC	1.000	mW/cm^2	0.197	0.500	30
IC	0.535	mW/cm^2	0.197	0.500	6

SAR Test Exclusion per FDB 447498 D01 4.3.1a					
	Value				
Maximum conducted output power (mW)	1.0000				
Tune up tolerance (mW)	1				
Minimum Test Separation distance ≤ 5mm	5		Exemption Limit (mW)		Result
Frequency in GHz	2.48		Head	Limb	
Formula = OP+TU/Separation*√Freq in GHz	Result →	0.630	3.00	7.50	Pass

SAR Test Exclusion per RSS-102 Issue 5 Clause 2.5.1						
	ERP mW	Separation	Freq MHz	Exemption Limit (mW)		Result
				Head	Limb	
Compared to Table 1	1.0000	≤ 5mm	2450	4.00	10.00	Pass