

Customer:	Icon	Notes
Model:	SBACCEL	DTS
FCC ID:	OMCSBACCEL	
IC ID:	3673A-SBACCEL	
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 (Conducted) (Calculated)	0.070	dBm
Ant Gain dBi	1.300	dB
Cable Loss	0.000	dB
EIRP dBm	1.370	dB
EIRP mW	1.371	mW
R	3.810	cm
S	0.007519	mW/cm ²

Standards
CFR 47 Part 1.1310
RSS-102 Issue 5

Occupational/Controlled Exposure Limit			inches	cm	time
OSHA	10.000	mW/cm ²	2	4	6
FCC	5.000	mW/cm ²	2	4	6
IC	3.164	mW/cm ²	2	4	6
General Population/Uncontrolled Exposure Limit					
OSHA	10.000	mW/cm ²	2	4	6
FCC	1.000	mW/cm ²	2	4	30
IC	0.535	mW/cm ²	2	4	6

SAR Test Exclusion per FDB 447498 D01 4.3.1a					
	Value				
Maximum conducted output power (mW)	1				
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						
	EIRP mW	Separation	Freq MHz	Exemption Limit (mW)		Result
				Head	Limb	
Compared to Table 1	1.371	≤ 5mm	2450	4.00	10.00	Pass