

MPE CALCULATION

For *Samsung Electro-Mechanics* - ; Model: SCF-V01
FCC ID: E2XSCF-V01

RF Exposure Requirements:	47 CFR §1.1307(b)
RF Radiation Exposure Limits:	47 CFR §1.1310
RF Radiation Exposure Guidelines:	FCC OST/OET Bulletin Number 65 / 47 CFR §2.1091
EUT Frequency Band:	824.70 – 848.31MHz , 1851.25-1908.75 MHz
Limits for General Population/Uncontrolled Exposure in the band of:	300-1500MHz , 1500 – 100,000 MHz
Power Density Limit:	1.0mW/ cm ² ;

Equation: $S = PG / 4\pi R^2$ or $R = \sqrt{PG / 4\pi S}$

Where S = Power Density

, P = Power Input to Antenna

G = Antenna Gain

R = distance to the center of radiated antenna

Low Channel (824.7 MHz): Power =23.94 dBm, Antenna Gain = 1.95 dBi, Prediction distance 20cm

$S = 0.07722$ mW/cm² at CDMA BAND

middle Channel (1880 MHz): Power =23.96 dBm, Antenna Gain = 1.95 dBi, Prediction distance 20cm

$S = 0.077576$ mW/cm² at PCS BAND

Result

The Above Result had shown that Device complied with 1.0 mW/cm² Power density requirement for distance of 20cm.

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