MPE Evaluation

Applicant: LETARON ELECTRONIC CO LTD
FCC ID: 2BL73-LSKJJ002
Model: LSK-JJ-002, LSK-JJ-003, LSK-JJ-004, LSK-JJ-005, OZ-2.4G-Switch

MPE Evaluation

RF Exposure Compliance Requirement

Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06 and FCC 1.1310 Radio frequency radiation exposure limits for General Population/Uncontrolled Exposure

EUT RF Exposure

$Pd=PG/4\pi R^2$

Pd = power density in mW/cm^2

P = output power to antenna in mW

G = gain of antenna in linear scale

$\pi=3.14$

R = distance between observation point and center of the radiator in cm

Antenna gain: 0 dBi, gain of antenna in linear scale: 1

R=20cm

Test Data as below:

Frequency (MHz)	Conducted Power (dBm)
2401	-17.90
2440	-10.83
2482	-11.46

$Pd(Low) =PG/(4\pi R^2)=0.000003mW/cm^2<1(limits)mW/cm^2$

$Pd(Middle) =PG/(4\pi R^2)=0.000016mW/cm^2<1(limits)mW/cm^2$

$Pd(High) =PG/(4\pi R^2)=0.000014mW/cm^2<1(limits)mW/cm^2$

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