MPE/RF EXPOSURE REPORT

FCC CFR 47 Part 1.1310

Report No.: RFXP01-U3 Rev A

Company: Drum Workshop

Model: DWE-DLM-1

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To: FCC CFR 47 Part 1.1310

Test Report Serial No.: RFXP01-U3 Rev A

This report supersedes: NONE

Applicant: Drum Workshop
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1. MAXIMUM PERMISSABLE EXPOSURE

Calculations for Maximum Permissible Exposure Levels
Power Density = Pd (mW/cm^2) = EIRP/($4*\pi*d^2$)
EIRP = P * G
P = Peak output power (mW)
G = Antenna numeric gain (numeric)
d = Separation distance (cm)
Numeric Gain = 10 ^ (G (dBi)/10)

The calculations in the table below use the highest conducted power values together with the highest antenna gain specified for the EUT. These calculations represent worst case in terms of the exposure levels.

The following technologies never operate simultaneously

Freq. Band (MHz)	Ant Gain (dBi)	Numeric Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Calculated Power Density (mW/cm^2) @ 20cm	Power Density Limit (mW/cm^2)	Min Calculated safe distance for Limit (cm)
2400.0 - 2483.5	2.82	1.91	8.35	6.84	0.003	1.00	1.02

NOTE: for mobile or fixed location transmitters the minimum separation distance is 20cm, even if calculations indicate the MPE distance to be less.

Specification - Maximum Permissible Exposure Limits

The Limit is defined in Table 1 of FCC §1.1310.
FCC CFR 47 Part 1.1310 Power Density Limits for General Population/Uncontrolled Exposure:
300-1,500 MHz; Power Density = f/1500 mW/cm^2
1,500-100,000 MHz; Power Density = 1.0 mW/cm^2

f = frequency in MHz.

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