RADIO FREQUENCY EXPOSURE

Limit

According to section B.2 of 447498 D04 Interim General RF Exposure Guidance v01:

The 1 mW Blanket Exemption of § 1.1307(b)(3)(i)(A) applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power of no more than 1 mW, regardless of separation distance. The 1 mW blanket exemption applies at separation distances less than 0.5 cm, including where there is no separation. This exemption shall not be used in conjunction with other exemption criteria other than those for multiple RF sources in paragraph § 1.1307(b)(3)(ii)(A). The 1 mW exemption is independent of service type and covers the full range of 100 kHz to 100 GHz, but it shall not be used in conjunction with other exemption criteria or in devices with higher-power transmitters operating in the same time-averaging period. Exposure from such higher-power transmitters would invalidate the underlying assumption that exposure from the lower-power transmitter is the only contributor to SAR in the relevant volume of tissue.

Results

Test Mode	Max Field strength at 30m distance (dBμV/m)	Max of ERP (dBm)	Max of ERP (mW)	Exemption Limit(mW)
Transmitting	24.84	-52.57	0.0000055	1

When necessary, Field strength measurements shall be converted to ERP or EIRP for comparison to the applicable regulatory limits.

EIRP (dBm) = E (dBuV/m) + 20log(D) - 104.8, where D is the measurement distance

ERP = EIRP - 2.15 dB

Conclusion

Meet the requirements of RF exposure.

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