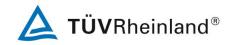


Appendix 6 RF Exposure Information



Maximum transmitter power:

802.11b		
Frequency (MHz)	Maximum peak output power (dBm)	Output power(mW)
2412	11.99	15.812
2437	11.96	15.704
2462	11.97	15.740
802.11g		
Frequency (MHz)	Maximum peak output power (dBm)	Output power(mW)
2412	11.61	14.488
2437	11.45	13.964
2462	11.50	14.125
802.11n HT20		
Frequency (MHz)	Maximum peak output power (dBm)	Output power(mW)
2412	11.52	14.191
2437	11.25	13.335
2462	11.36	13.677
802.11n HT40		
Frequency (MHz)	Maximum peak output power (dBm)	Output power(mW)
2422	11.75	14.962
2437	11.57	14.355
2452	11.15	13.032

According to the manufacturer's installation instruction, the EUT operating in standalone mobile exposure conditions which minimum test separation distance is 20cm between the antenna and radiating structures of the device and nearby persons.

For Maximum Permissible Exposure (MPE) evaluation, the maximum power density at 20 cm from this mobile transmitter shall be less than the General Population / Uncontrolled MPE limit in OET Bulletin 65 and meet the requirement listed in KDB447498.

Evaluation:

The maximum conducted output power of IEEE 802.11b/g/n is 15.812mW,

The power density at 20cm = (15.812mW x 1)/4 π R² = 0.00315 mWcm²

Conclusion:

In the frequency range of 1,500 - 100,000MHz, the MPE limit is 1.0 mWcm⁻² for general population and uncontrolled exposure. As the measured power density at 20cm from the transmitter is lower than the MPE limit, the compliance to the MPE limit can be ensured by indicating the minimum 20cm separation between the transmitter's radiating structures and body of the user or nearby persons.