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Absatz <i>Clause</i>	Anforderungen - Prüfungen / <i>Requirements - Tests</i>	Messergebnisse – Bemerkungen/ <i>Measuring results - Remarks</i>	Ergebnis <i>Result</i>	

Appendix 5

RF Exposure Information

FCC ID: 2A2XI111

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Absatz Clause	Anforderungen - Prüfungen / Requirements - Tests	Messergebnisse – Bemerkungen/ Measuring results - Remarks	Ergebnis Result	

This device is mobile device, and the applicant declares that the minimum separation distance is greater than 20cm, detail minimum distance refer to below calculation table. Therefore MPE measurement or computational modeling should be used to determine compliance.

Maximum Transmitter Power

Frequency (MHz)	Maximum average output power (dBm)	Antenna gain (dBi)	EIRP (mW)	Min. Distance (cm)
2422	20.20	1.6	151.356	20
2437	20.47	1.6	161.065	20
2462	20.20	1.6	151.356	20

Note: The maximum peak field strength was taken from table of "Subclause 15.247(b)(3) – Maximum Peak Conducted Output Power".

For FCC

According to KDB 447498 D04:

Per § 1.1307(b)(3)(i)(A), a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

The power density according to far-field model is:

$$S = \frac{P \times G_{(\theta, \phi)}}{4 \times \pi \times R^2}$$

Where:

P = input power of the antenna.

G = antenna gain relative to an isotropic antenna.

θ, ϕ = elevation and azimuth angles.

R = distance from the antenna to the point of investigation.

Result:

$$151.356 / (4\pi \times 20^2) = 0.030 < 1.0$$

$$161.065 / (4\pi \times 20^2) = 0.032 < 1.0$$

$$151.356 / (4\pi \times 20^2) = 0.030 < 1.0$$

Conclusion: No SAR is required.