Appendix I- RF Exposure Statement

FCC Requirement

According to FCC 2.1091, mobile equipment must comply with the following applicable limit for maximum permissible exposure (MPE) specified in FCC 1.1310:

Equipment Use	Frequency Range	Power Density [mW/cm^2]	Average Time [min]
General Population / Uncontrolled Exposure	1.5 – 100GHz	1	30

Measurement Result

The maximum measured transmitter power is the following:

Conducted Output Power Pout [dBm]	Conducted Output Power Pout [mW]	Maximum Antenna Gain [dBi]	Pout EIRP [mW]	Power Density at 20cm [mW/cm2]
5.117	3.25	6	12.93	0.003

Note:

The power density S in mW/cm^2 is calculated according to the Friis formula:

$$S = (P_{out} \cdot G) / (4\pi \cdot D^2),$$

where

S = power density in mW/cm^2
P_{out} = antenna conducted output power in mW
G = antenna gain in linear scale (here: 6 dBi=10log(G))
D = distance between observation point and radiating structure in cm (here: 20cm)

Conclusion
The device complies with the FCC RF exposure requirements since the maximum transmitter power density is below the FCC limit RF exposure evaluation exemption threshold.