RF EXPOSURE EVALUATION

1. PRODUCTINFORMATION

Product Description	Low Power Radio Unit
Model Name	AMPU-LPRU-Gen3-3537-AE-AI
FCC ID	2BNMP-AMPU-LPRU

2. EVALUATION METHOD AND LIMIT

FCC Requirement

According to FCC 1.1307(b), fixed RF source must comply with the following applicable limit for maximum permissible exposure (MPE) specified in FCC 1.1310:

Equipment Use	Frequency Range	Power Density [mW/cm2]	Average Time [min]
General Population / Uncontrolled Exposure	1.5 – 100GHz	1	30
Occupational / Controlled Exposure	1.5 – 100GHz	5	30

3. ASSESSMENT RESULT

Frequency (MHz)	Maximum EIRP (dBm)	Maximum EIRP [mW]	Power Density (mW/cm2)	Limit Power Density (mW/cm2)
3550 MHz ~ 3700 MHz (NR Band n48) (Ant1+2+3+4)	19.98	99.5405	0.0439	1

Note: 1) Maximum turn-up output power is 24dBm per each port declared by the manufacturer.

2) The distance [cm] is calculated according to the Friis formula: D = SQRT (EIRP / (4π * S)),

Where S = power density in mW/cm2

EIRP = Effective Isotropic ally Radiated Power in mW

Antenna gain: 3.46dBi (Numeric gain: 2.218)

3) Only the worst case recorded.

4. CONCLUSION

The device complies with the FCC RF exposure requirements with RF safety distance of 20cm for General Population / Uncontrolled Exposure