

Produkte
Products

RF Exposure Statement: JP22LCNL 001A

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Client: Angel Gaming Co., Ltd.
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Test item: RFID Counter

Identification: ACP2

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:

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density S (mW/cm ²)	Averaging time (minutes)
(ii) Limits for General Population/Uncontrolled Exposure				
1.34-30	824/f	2.19/f	*(180/f ²)	<30

f = frequency in MHz. * = Plane-wave equivalent power density.

Measurement Result

The maximum measured transmitter power is given in the following table:

Frequency [MHz]	E-Field [dBuV/m]	Distance from Human body R [cm]	S [mW/cm ²]	S Limit [mW/cm ²]
13.56	73.3	0.4	0.0032	0.98

Note:

The power density S in mW/cm² is calculated according to the Friis formula: $S = (P_{out} \cdot G) / (4\pi \cdot D^2)$, where

P_{out} = antenna conducted output power in mW,

G = antenna gain in linear scale,

D = distance between observation point and radiating structure in cm (here: 0.4cm).

Conclusion

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