Applicant Name: ALPS Electric Europe GmbH
Product name: Lykaner V (RC2)
Model Number: LYK194A
FCC ID: 2AT4V-LYKANER-V

## RADIO FREQUENCY EXPOSURE COMPLIANCE RESULT :

Test Standard: FCC CFR 47&1.1310 (Link to §1.1310)
Limits for General Population/Uncontrolled Exposure

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) ($mW/cm^2$) | Averaging Time \|E\|2, \|H\|2 or S (minutes) |
|---|---|---|---|---|
| 0.3-1.34 | 614 | 1.63 | (100)* | 30 |
| 1.34-30 | 824/f | 2.19/f | (180/f2)* | 30 |
| 30-300 | 27.5 | 0.073 | 0.2 | 30 |
| 300-1500 | -- | -- | f/1500 | 30 |
| 1500-100,000 | -- | -- | 1.0 | 30 |

F = frequency in MHz *Plane-wave equivalent power density

NOTE: General population/uncontrolled exposures apply in situations in which the public may be exposed, or in which persons that are exposed because of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

The limit value 0.601mW/cm2 is available for this EUT.

**MPE Calculation Method**

$MPE(S) = P*G/(4*\pi*R^2)$

where: S = power density (in appropriate units, e.g. $mW/cm^2$)

P = power input to the antenna (in appropriate units, e.g., mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

**Calculated Result**

For the measurement results see report Nr.: 60321881-001

| Frequency Band (MHz) | power (cond.- dBm) | Gain (dBi) | distance [cm] | Power Density (calculate) [$mW/cm^2$] | Power Density (Limit) [$mW/cm^2$] |
|---|---|---|---|---|---|
| 902-928 | 19,44 | 0 | 20 | 0,017487597 | 0,601333333 |

Conclusion: Pass.