<u>RF Exposure / SAR Statement</u>						
No.: 13977035S						
Applicant	:	ALPS ALPINE CO., LTD.				
Type of EUT	:	Head unit				
Model Noumber of]:		AH00ICB				
FCC ID	:	A269ZUA165				

ALPS ALPINE CO., LTD. declares that Model : AH00ICB complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091(for mobile). AH00ICB is intended to be used Bluetooth and Wireless LAN simultaneously within 20 cm.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "AH00ICB" as calculated

from FCC Part 1, §1.1310, TABLE 1 (B) Limits for General Population / Uncontrolled Exposure. This calculation is based on the highest EIRP possible from the system,

considering maximum power and antenna gain, and considering a 1.0mW/cm^2 uncontrolled exposure limit. The Friis formula used was:

 $S1 = ((P1 * G1) + (P2 * G2) + (P4 * G4)) / (4* \pi * r^{2})$ $S2 = ((P1 * G1) + (P3 * G3) + (P4 * G4)) / (4* \pi * r^{2})$

Where

P1 = P2 = P3 = P4 =	0.82 2.40	mW (Maximum average output power) *1 mW (Maximum average output power) *2 mW (Maximum average output power) *3 mW (Maximum average output power) *4	2) 3)	
G1 =	1.87	Numerical Antenna gain; equal to	2.71	dBi *1)
G2 =	0.95	Numerical Antenna gain; equal to	-0.20	dBi *2)
G3 =	0.95	Numerical Antenna gain; equal to	-0.20	dBi *3)
G4 =	0.95	Numerical Antenna gain; equal to	-0.20	dBi *4)
r =	20.0	cm		
For: AH00ICB (Wireless LAN (5 GHz)	band and 2.	4 GHz band) and Bluetooth) $S1 = 0$	0.00917	mW/cm ²

 $S2 = 0.00947 \text{ mW/cm}^2$

Even taking into account the tolerance, this device can be satisfied with the limits.

For: AH00ICB (Wireless LAN (5 GHz band and 2.4 GHz band) and Bluetooth LE)

*1) Wireless LAN (5 GHz band) value

*2) Bluetooth value

*3) Bluetooth LE value

*4) Wireless LAN (2.4 GHz band) value

This calculation was made to show that the EUT complies with the limit in simultaneous transmitting of Wireless LAN (5 GHz band) and Wireless LAN (2.4 GHz band) and Bluetooth and Bluetooth Low Energy.

UL Japan, Inc. Shonan EMC Lab. 1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa-ken, 259-1220 JAPAN Telephone : +81 463 50 6400 Facsimile : +81 463 50 6401