RF Exposure / SAR Statement
No. : 13294722S

Applicant	**:**	**JVCKENWOOD Corporation**
Type of EUT	**:**	**GPS NAVIGATION SYSTEM**
Model Noumber of l	**:**	**DNR1007XR**
FCC ID	**:**	**IOMJ5240**

JVCKENWOOD Corporation declares that Model : DNR1007XR complies with
FCC radiation exposure requirement specified in the FCC Rules 2.1091(for mobile).
DNR1007XR 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 "DNR1007XR" 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:

$$S = ((P1 * G1) + (P2 * G2)) / (4 * \pi * r^2)$$

Where

P1 =	**0.97**	**mW (Maximum average output power)** *1)		
P2 =	**10.63**	**mW (Maximum average output power)** *2)		
G1 =	**0.27**	**Numerical Antenna gain; equal to**	**-5.70**	**dBi** *1)
G2 =	**0.45**	**Numerical Antenna gain; equal to**	**-3.50**	**dBi** *2)
r =	**20.0**	**cm**		

For: DNR1007XR (Bluetooth and Wireless LAN) **S = 0.00100 mW/cm^2**

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

*1) Bluetooth value
*2) Wireless LAN (5 GHz band) value

This calculation was made to show that the EUT complies with the limit in simultaneous transmitting of Bluetooth and Wireless LAN.

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