

RF Exposure / SAR Statement

No. : 14027963S

Applicant : **JVCKENWOOD Corporation**
Type of EUT : **Monitor with Receiver**
Model Number of E : **DMX958XR**
FCC ID : **IOMJ5268**

JVCKENWOOD Corporation declares that Model : DMX958XR complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091(for mobile). DMX958XR 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 "DMX958XR" 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/cm² uncontrolled exposure limit. The Friis formula used was:

$$S1 = ((P1 * G1) + (P2 * G2)) / (4 * \pi * r^2)$$

$$S2 = ((P1 * G1) + (P3 * G3)) / (4 * \pi * r^2)$$

Where

P1 = 0.88 mW (Maximum average output power) *1)

P2 = 29.92 mW (Maximum average output power) *2)

P3 = 9.09 mW (Maximum average output power) *3)

G1 = 0.10 Numerical Antenna gain; equal to -9.90 dBi *1)

G2 = 0.17 Numerical Antenna gain; equal to -7.70 dBi *2)

G3 = 0.35 Numerical Antenna gain; equal to -4.60 dBi *3)

r = 20.0 cm

For: DMX958XR (Bluetooth and Wireless LAN (2.4 GHz band)) S = 0.00103 mW/cm²

For: DMX958XR (Bluetooth and Wireless LAN (5 GHz band)) S = 0.00064 mW/cm²

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

*1) Bluetooth value

*2) Wireless LAN (2.4 GHz band) value

*3) 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 (2.4 GHz band), or Bluetooth and Wireless LAN (5 GHz band).

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