

RF Exposure / SAR Statement

No. : 10622710S-E

Applicant	:	Murata Manufacturing Co., Ltd.
Type of Equipment	:	Communication Module
Model No.	:	Type1DR
FCC ID	:	VPYLB1DR

Murata Manufacturing Co., Ltd. declares that Model : Type1DR
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "Type1DR" 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:

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

Where

P =	27.73	mW (Maximum average output power)	
G =	1.26	Numerical Antenna gain; equal to	1.00 dBi
r =	20.0	cm	

For: Type1DR

$$S = 0.00695 \text{ mW/cm}^2$$

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

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