

Produkte
Products

RF Exposure Statement: 50274553 002

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Client: Panasonic Corporation
600 Saedo-cho, Tsuzuki-ku Yokohama-shi, Kanagawa 224-8539 JAPAN

Test item: DSRC On-Board Unit

Identification: PVX-U01

FCC Requirement

According to FCC 2.1091, mobile equipment must comply with the following applicable limit for maximum permissible exposure (MPE) specified in FCC 1.1310:

Equipment Use	Frequency Range	Power Density [mW/cm ²]	Average Time [min]
General Population / Uncontrolled Exposure	1.5 – 100GHz	1	30

Measurement Result

As per the submitted test report No. 50274553 001, the maximum measured transmitter power is given in the following table at each configuration:

Configuration	Conducted Power [mW]	Maximum Antenna Gain [dBi]	Power Density at 20cm [mW/cm ²]
Conf. 1	18.78	+6.0	0.05976
Conf. 2	19.05	+6.0	0.06364

Note:

Grey shading area shows the expected highest power density in the evaluation.

The power density S in mW/cm² is calculated according to the following formula:

$S = (P_{out} \cdot G) / (4\pi \cdot D^2)$, where

P_{out} = antenna conducted output power in mW,

G = antenna gain in linear scale (here: +6.0dBi = 3.98 linear)

D = distance between observation point and radiating structure in cm (here: 20cm).

Conclusion

This device is classified as a mobile device by the client.

SAR evaluation is not required since the maximum transmitter output power is below the FCC thresholds at a test distance of 20cm.