

Maximum Permissive Exposure

FOR CERTIFICATION

On Behalf of

Digilife Technologies Co., Ltd.

Car Camcorder

f499x; f492x; P42x pro; f491x pro; P491w; f492w; MF491; CM50 pro

FCC ID: 2ACFI499WM

Brand : HP

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Date of Report : Nov.04, 2025

1. According to FCC CFR 47 §1.1310, the criteria listed in the following table shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b).

Table 1 Limits for Maximum Permissible Exposure

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Average Time (Minutes)
(A) Limits for Occupational / Control Exposures (f = frequency)				
30-300	61.4	0.163	1.0	6
300-1500	---	---	f/300	6
1500-100,000	---	---	5.0	6
(B) Limits for General Population / Uncontrolled Exposures (f = frequency)				
30-300	27.5	0.073	0.2	30
300-1500	---	---	f/1500	30
1500-100,000	---	---	1.0	30

2. MPE Calculation

APTIV Services Deutschland GmbH declares that the product described above has been evaluated and found to comply with the RF exposure limits for humans, as specified based on ANSI/FCC recommendation.

RF Exposure Calculations: $S = (P * G) / (4 * \pi * r^2)$ or $r = \sqrt{(P * G) / (4 * \pi * S)}$

3. MPE Result

Based on safety distance (r) **20cm**, the antenna gain (G) numerical as below:

Antenna System	
Type of Antenna	FPC Antenna
Antenna Number	1
Antenna Peak Gain	WIFI 2.4G Peak Gain: 1.99dBi

EUT: Car Camcorder		
M/N: f499x		
Test date: 2025-11-03	Pressure: 102.6±1.0 kpa	Humidity: 54.4±3.0%
Tested by: Epoch	Test site: RF site	Temperature: 23.6±0.6℃

Test Mode	Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE (mW/cm2)
WIFI 2.4G	16.010	39.90	1.57	1.44	0.0114
Conclusion: Pass					