US Tech Test Report:	FCC Part 15 Certification/RSS 247
FCC ID:	CCKPC0260
IC:	5251A-PC0260
Test Report Number:	25-0096
Issue Date:	May 7, 2025
Customer:	Digital Monitoring Products, Inc.
Model:	1112

Maximum Public Exposure to RF (MPE) CFR 15.247 (i), CFR 1.1310 (e), RSS-102, 5.3 (Issue 6)

The maximum exposure level to the public from the RF power of the EUT shall not exceed a power density, **S** as per the respective limits in Table 1 below, at a distance, d, of 20 cm (Mobile condition) from the EUT.

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*100	30
1.34-30	824/f	2.19/f	*180/f^2	30
30-300	27.5	0.073	0.2	30
300-1,500			f/1500	30
1,500-100,000			1.0	30

f = frequency in MHz * = Plane-wave equivalent power density

Therefore, for:

MPE for 903 - 926 MHz:

Limit: f/1500 mW/cm^2 = 915/1500 = 0.61 mW/cm^2
Peak Power (dBm) = 13.36 dBm
Peak Power (Watts) = 0.022 W
Gain of Transmit Antenna = -1.0 dB$_i$ =0.794 numeric (Highest Gain)
d = Distance = 20 cm = 0.2 m

$$S = (PG/ 4\pi d^2) = EIRP/4A = 0.022(0.794)/4*\pi*0.2*0.2$$
= 0.0174/0.5030 = 0.0347 W/m^2
= (0.0347 W/m^2) (1m^2/W) (0.1 mW/cm^2)
= 0.00347 mW/cm^2

which is << less than S = 0.61 mW/cm^2

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RF Exposure Evaluation – ISED

According to RSS-102 Issue 6, Clause 6.6 Field reference level exposure exemption limits

At or above 300 MHz and below 6 GHz and the source-based time averaged maximum EIRP of the device is equal to or less than $1.31 \times 10^{-2} \times f^{0.6834}$ in Watts (adjusted for tune up tolerance where applicable), where f= frequency in MHz

For 900 MHz Band:

Limit= $1.31 \times 10^{-2} \times 915^{0.6834}$ = 1.38 Watts

Max EIRP= 13.36 dBm – 1.0 dB = 12.36 dBm = 17.21 mW << 1380 mW