

RF Exposure Evaluation Report

Client: Digital Monitoring Products, Inc

Address: 2500 N Partnership Blvd
Springfield, MO 65803

EUT: 1120DT Optex PIR

FCC ID: CCK1120
IC ID: 5251A-1120

Test Report No.: R20250417-01-M1

Approved By: 
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EMC Test Engineer
iNARTE EMC-50662-E

Date: October 29, 2025

Total Pages: 6

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Revision Page

Rev. No.	Date	Description
0	15 September 2025	Issued by BWinter Reviewed by KVepuri Prepared by BWinter
A	29 October 2025	Revision A – BWinter 1. Add statement about microwave transmitter.

1 Regulatory Requirements:

FCC Part 1.1310, 2.1091, 2.1093
KDB 447498 D01

Summary:

The purpose of this report is to evaluate the EUT's transmitter for exemption from routine SAR testing.

EUT:

Model:	1120DT
FCC ID:	CCK1120
IC ID:	5251A-1120

MPE Lab	Nebraska Center for Excellence in Electronics
MPE Labs FCC Cab Designation:	US1060
MPE Labs ISSED Cab Designation:	US0177

2 FCC Limits, Part 1.1310

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	*900/f ²	6
30-300	61.4	0.163	1.0	6
300-1,500			f/300	6
1,500-100,000			5	6
(B) 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

Calculations:

The maximum time-averaged power of this device is less than 1mW per 1.1307(b)(3)(ii)(A).

EUT

FCC maximum time-averaged power Calculations						
Freq.	Peak Power EIRP	Peak Power EIRP +10% for Tolerance	On time per cycle	Cycle Time	Average Power	Result
MHz	mW	mW	Seconds	Seconds	mW	
926.7	16.56	18.22	.27472	20	.0137	PASS

The Applicant states that the software prevents the 900MHz transmitter and the microwave transmitter from simultaneous broadcast, so a combined MPE is not required.

Result:

The EUT was found to be exempt from routine SAR testing and **COMPLIANT** with RF exposure requirements.

Result:
Complies

REPORT END