



FCC RF EXPOSURE REPORT

Applicant : Golight Inc
Address : 37146 Old Hwy 17 Culbertson, NE 69024 United States
Equipment : Searchlight
Model No. : 30220
Trade Name : GOLIGHT
FCC ID : MMK30220

I HEREBY CERTIFY THAT:

The sample was received on Jun. 18, 2026 and the testing was completed on Jul. 02, 2026 at CerpPASS Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of CerpPASS Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Mark Liao / Supervisor

Laboratory Accreditation:

CerpPASS Technology Corporation Test Laboratory





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History of this test report

Report No.	Issued Date	Description
26060256-TRDFCC02	Jul. 06, 2026	Original

Report Type		Description
■	Original report	NA



1. Test Configuration of Equipment under Test

1.1 Feature of Equipment under Test

Equipment	Searchlight
Model Name	30220
Operation Frequency Range	2.4GHz: 2400-2483.5MHz
Center Frequency Range	2.4GHz: 2405-2477MHz
Modulation Type	FSK
Data Rate	250kbps
Antenna Type	PCB Antenna
Antenna Gain	1.68dBi
Power Supply	2 x LR03(GD)/1.5V/AAA Battery

Note: For more details, please refer to the User's manual of the EUT.

**1.2 General Information of Test**

Organization	Cerpass Technology Corp.	
☒ Test Site	Cerpass Technology Corporation Test Laboratory Address: No.10, Ln. 2, Lianfu St., Luzhu Dist., Taoyuan City 33848, Taiwan (R.O.C.) Tel: +886-3-3226-888 Fax: +886-3-3226-881	
	FCC	TW1439, TW1079
	ISED Company Number	4934E
	ISED CAB identifier	TW1439
Frequency Range Investigated	Conducted: from 150kHz to 30 MHz Radiation: from 9 kHz to 40,000MHz	
Test Distance	The test distance of radiated emission from antenna to EUT is 3 M.	



2. Radio Frequency Exposure

Device category	☐ Portable (<20cm separation) ☒ Mobile (>20cm separation)
Exposure classification	☐ Occupational/Controlled exposure (S = 5mW/cm ²) ☒ General Population/Uncontrolled exposure (S=1mW/cm ²)
Antenna diversity	☒ Single antenna ☐ Multiple antennas <div style="margin-left: 20px;"> ☐ Tx diversity ☐ Rx diversity ☐ Tx/Rx diversity </div>
Evaluation applied	☒ MPE Evaluation* ☐ SAR Evaluation ☐ N/A

TEST RESULTS

No non-compliance noted.

Calculation

Given $E = \frac{\sqrt{30 \times P \times G}}{d}$ & $S = \frac{E^2}{3770}$

Where E = Field strength in Volts / meter
 P = Power in Watts
 G = Numeric antenna gain
 d = Distance in meters
 S = Power density in milliwatts / square centimeter

Combining equations and re-arranging the terms to express the distance as a function of the remaining variables yields:

$$S = \frac{30 \times P \times G}{3770 d^2}$$

Changing to units of mW and cm, using:

$$P \text{ (mW)} = P \text{ (W)} / 1000 \text{ and}$$

$$d \text{ (cm)} = d \text{ (m)} / 100$$

Yields

$$S = \frac{30 \times (P/1000) \times G}{3770 \times (d/100)^2} = 0.0796 \times \frac{P \times G}{d^2} \quad \text{Equation 1}$$

Where d = Distance in cm
 P = Power in mW
 G = Numeric antenna gain
 S = Power density in mW / cm²

**Maximum Permissible Exposure**

Antenna Gain (dBi)	Antenna Gain (linear)	distance (m)	Fundamental Emission (dBuV/m)	Fundamental Emission (V/m)	Fundamental Emission (W)	Fundamental Emission (dBm)
1.68	1.472	3	92.5	0.042	0.000785	-1.05

Fundamental Emission (dBm)	Max. Tune up power (dBm)	Antenna Gain(dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
-1.05	0.95	1.68	20	0.000365	1

Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1091 for the uncontrolled RF Exposure of mobile device.

-----THE END OF REPORT-----