

Manufacturer: Gridspertise S.r.l.

Product: LVM G3 HYBRID GLO

FCC ID: 2BLES-LVMG3GLO

Name: Oscar Frau

Title: Project Handler

Signature: 

MPE limits (§1.1310)

Mode	Frequency	Duty Cycle	Power	Antenna	EIRP ¹	EIRP	Distance	PD ²	PD Limit ³	Margin	2.1091 EIRP	2.1091 EIRP	PD/PD Limit	values to be considered
				Gain ⁵							Limit	Margin		
SRD ⁴	MHz	%	dBm	dBi	dBm	mW	cm	mW/cm ²	mW/cm ²	dB	mW	dB	0,16765	0,16765
	915	100	25,4	1,71	27,11	514,0	20	0,102	0,610	7,76	768	1,75		

¹EIRP = (Power dBm + Antenna Gain dBi) + 10 x Log (Duty Cycle % / 100)

²PD = EIRP / (4xπx D²)

³CFR 47 Part 1, §1.1310(e), Table 1, Limits for General Population/Uncontrolled Exposure

⁴See test report n. REP060763 issued by Nemko SpA.

⁵See datasheet "81800V351 FCC 860MHz ~930MHz.pdf".

2.1091 EIRP Limit

1.1307 (b)(3)(i)(C) exemption limit

RF Source						Threshold	Threshold	Threshold		
Frequency	f	R	λ	λ/2π	R/(λ/2π)	ERP	EIRP	EIRP	EIRP	Margin
MHz	MHz	m	m	m		W	W	mW	mW	dB
300-1500	915	0,20	0,328	0,0522	3,83	0,46848	0,768	768	514,0	1,75

1.1307 (b)(3)(i)(B) exemption limit

f	ERP _{20cm}	Pth = ERP _{20cm}	Pth = EIRP _{20cm}	EIRP	Margin
GHz	mW	mW	mW	mW	dB
0,915	1866,6	1867	3061	514,0	7,75