

Manufacturer: Gridspertise S.r.l.

Product: GLOBYSGNG3

FCC ID: 2BLES-GS0943

Name: Oscar Frau

Title: Project Handler

Signature: 

MPE limits (§1.1310)

Mode	Frequency	Duty Cycle	Output Power ^{4,5}	Antenna Gain ^{6,7}	EIRP ¹	EIRP	Distance	PD ²	PD Limit ³	Margin	2.1091 EIRP Limit	2.1091 EIRP Margin	PD/PD Limit	Worst PD/PD value to be considered
	MHz	%	dBm	dBi	dBm	mW	cm	mW/cm ²	mW/cm ²	dB	mW	dB		
SRD (integral ant.)	915.2	100	27.33	1.69	29.02	798.0	20	0.159	0.610	5.85	3062	5.84	0.26020	0.45531
SRD (ext ant.)	915.2	100	27.33	4.12	31.45	1396.4	20	0.278	0.610	3.42	3062	3.41	0.45531	

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

²PD = EIRP / (4xπxD²)

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

⁴See FCC ID: 2BLES-GS0943, test report n. REP069683, Table 10.1-1

⁵See FCC ID: 2BLES-GS0943, test report n. REP069683, Table 10.1-2

⁶See antenna datasheet "Antenna_internal_81800V685 1.pdf", table 5.2.2

⁷See antenna datasheet "860-940MHz external antenna 2022-06-10.pdf", table 4.3.2

2.1091 EIRP Limit

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

f	ERP _{20cm}	Pth = ERP _{20cm}	Threshold EIRP	EIRP	Margin
GHz	mW	mW	mW	mW	dB
0.9152	1867.01	1867	3062	798.0	5.84
0.9152	1867.01	1867	3062	1396.4	3.41