

Manufacturer:	Leica Geosystems AG,	Name:	Roberto Giampaglia
Product:	Laser Distance Meter for professional use	Title:	Laboratories Manager
FCC ID:	RFF-LD7BT	Signature:	

MPE Limit (§1.1310):

Mode	Frequency	Duty Cycle	Power	Antenna Gain ⁵	EIRP ^{1,4}	EIRP	Distance	PD ²	PD Limit ³	Margin	2.1093 EIRP Limit	2.1093 EIRP Margin	PD/PD Limit
	MHz	%	dBm	dBi	dBm	mW	cm	mW/cm ²	mW/cm ²	dB	mW	dB	
BLE	2402	100	4.1	-3.0	1.1	1.3	0.5	0.410	1.000	3.9	5	5.5	0.41

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

²PD = EIRP / (4xπxD²)

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

⁴See FCC ID: RFF-LD7BT, test report n. REP103751

⁵Antenna max peak gain = -3 dBi

§ 2.1093 Exemption limit for portable devices:

§1.1307 (b)(3)(i)(B) exemption limit
 1.5 GHz ≤ f ≤ 6.0 GHz - d ≤ 20 cm

					Threshold		
f	ERP _{20cm}	x	d	Pth	EIRP	EIRP	Margin
GHz	mW		cm	mW	mW	mW	dB
2.402	3060	1.898	0.5	3	5	1.3	5.5