

Manufacturer: STMicroelectronics
S.r.l. Name: Oscar Frau

Product: STEVAL-MKBOXPRO Title: Project Handler

FCC ID: S9N-MKBOXPRO Signature: 

MPE limits (§1.1310)

Mode	Frequency MHz	Duty Cycle %	Power dBm	Antenna		EIRP ¹ dBm	EIRP mW	Distance cm	PD ² mW/cm^2	PD Limit ³ mW/cm^2	Margin dB	2.1091 EIRP	2.1091 EIRP	PD/PD Limit
				Gain dBi								Limit mW	Margin dB	
BLE ⁴	2402,0	100	-12,8	1,6		-11,20	0,1	20	0,000015	1,000	48,21	1260	42,20	0,000015

¹EIRP = (Power dBm + Antenna Gain dBi) + 10 x Log (Duty Cycle % / 100)
²PD = EIRP / (4xπxD²)
³CFR 47 Part 1, §1.1310(e), table 1
⁴See Test Report No: 457585-4TRFWL, p.33: Max Conducted Power, p.9: Antenna Gain

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
1500-100000	2402	0,20	0,125	0,0199	10,1	0,76800	1,260	1260	0,1	42,2