

Manufacturer: TEXA S.p.A.

Name: Oscar Frau

Product: DP2.2-488

Title: Project Handler

FCC ID: T8RDP22

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	Worst PD/PD values to be considered
				Limit mW	Margin dB							PD/PD Limit		
BLE ⁴	2440,0	100	1,96	1,7	3,66	2,32	20	0,00046	1,000	33,35	1260	27,34	0,00046	0,00046
BT ⁵	2440,0	100	-6,18	1,7	-4,48	0,36	20	0,00007	1,000	41,49	1260	35,48	0,00007	
FCC Co-Location =		0,00046	< 1											

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

²PD = EIRP / (4πr²)

³CFR 47 Part 1, §1.1310(e), table 1

⁴See Report No. REP009237, §8.4.5

⁵See Report No. REP009236, §8.4.5

Antenna (see datasheet "Datasheet_M310220.pdf") type M310221, Gain 1,7 dBi

2.1091 EIRP Limit

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

RF Source Frequency	F	R	λ	λ/2π	R/(λ/2π)	Threshold ERP	Threshold EIRP	Threshold EIRP	EIRP	Margin
MHz	MHz	m	m	m		W	W	mW	mW	dB
2440	2440	0,20	0,123	0,0196	10,2	0,76800	1,260	1260	2,3	27,3
1500-100000	2440	0,20	0,123	0,0196	10,2	0,76800	1,260	1260	0,4	35,48