

Manufacturer: TEXA S.p.A.

Product: NAVIGATOR TXT MULTIHUB 2

FCC ID: T8RTXT2MW24

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	Worst PD/PD value
				Gain ⁷								Limit	Margin		
	MHz	%	dBm	dBi		dBm	mW	cm	mW/cm ²	mW/cm ²	dB	mW	dB		
BT ⁴	2402.0	100	1.61	2.2		3.81	2.4	20	0.0005	1.000	33.20	1260	27.19	0.00048	0.00235
BLE ⁵	2402.0	100	2.13	2.2		4.33	2.7	20	0.0005	1.000	32.68	1260	26.67	0.00054	
WiFi ⁶	2412.0	100	8.52	2.2		10.72	11.8	20	0.0023	1.000	26.29	1260	20.28	0.00235	

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 n. REP071529 issued by Nemko Spa.

⁵See test report n. REP071528 issued by Nemko Spa.

⁶See test report n. REP071530 issued by Nemko Spa.

⁷Ceramic Monopole Antenna by Pulse Finland Oy, type W3000 (see Case #2 in the datasheet).

2.1091 EIRP Limit

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

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

RF Source	Frequency	f	R	λ	λ/2π	R/(λ/2π)	Threshold ERP	Threshold EIRP	Threshold EIRP	EIRP	Margin	f	ERP _{20cm}	Pth = ERP _{20cm}	Threshold EIRP	EIRP	Margin
	MHz	MHz	m	m	m		W	W	mW	mW	dB	GHz	mW	mW	mW	mW	dB
1500-100000		2402.0	0.20	0.125	0.0199	10.1	0.76800	1.260	1260	2.4	27.19	2.402	3060	3060	5018	2.4	33.20
		2402.0	0.20	0.125	0.0199	10.1	0.76800	1.260	1260	2.7	26.67	2.402	3060	3060	5018	2.7	32.7
		2412.0	0.20	0.124	0.0198	10.1	0.76800	1.260	1260	11.8	20.28	2.412	3060	3060	5018	11.8	26.29