

Manufacturer: MatiPay Srl

Name: Oscar Frau

Product: WI9250PM1 - MPYV2 SPAY

Title: Project Handler

FCC ID: 2AVPV-MPYV2SPAY

Signature:



MPE limits (§1.1310)

Mode	Frequency	Duty Cycle	Power ⁶	Antenna Gain ⁵	EIRP ¹	EIRP	Distance D	PD ²	PD Limit ³	PD/PD Limit	Margin	Worst PD/PD values to be considered
	MHz	%	dBm	dBi	dBm	mW	cm	mW/cm ²	mW/cm ²		dB	
NFC ⁴	13,56	100	-39,3	0	-39,3	0,00012	20	0,000000023	0,97893335	0,000000024	76,22	0,000000024
BLE	2480	100	-5,5	-1,5	-7,00	0,19953	20	0,000039694	1	0,000039694	44,01	0,000039694
FCC Co-Location =			0,000039718	< 1								

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

²PD = EIRP / (4xπxD²)

³CFR 47 Part 1, §1.1310(e), table 1

⁴P[dBm] = P[dBμV/m] + 20 x Log(d[m]) - 104,7

P[dBμV/m] = 45,40

d[m] = 10

⁵Test Report n. 391810-2TRWL, p. 19 & Test Report n. 391810-3TRWL, p. 24

⁶Test Report n. 391810-2TRWL, p. 19: (field strenght = 45.4 dBμV/m) & Test Report n. 391810-3TRFWL, p. 24