

Manufacturer: SECO S.p.A.

Name: Oscar Frau

Product: SYS-D47-IOT

Title: Project handler

FCC ID: 2ALZB-D47IOT

Signature:



MPE limits (§1.1310)

Mode	Frequency	Duty Cycle	Power	Antenna		EIRP ¹	EIRP	Distance		Margin	2.1091 EIRP	2.1091 EIRP	PD/PD Limit	Worst PD/PD values to be considered
				Gain ⁷				D	PD ²		PD Limit ³	Limit		
	MHz	%	dBm	dBi	dBm	mW	cm	mW/cm^2	mW/cm^2	dB	mW	dB		
BT/BLE ⁴	2402	100	5,70	3	8,7	7,4	20	0,001	1,0	28,31	n/a	n/a	0,00147	
WiFi ⁵	2412	100	24,90	3	27,9	616,6	20	0,123	1,0	9,11	n/a	n/a	0,12267	0,12267
GSM 850 ⁶	824,2	50	32,56	2	31,5	1428,8	20	0,284	0,549	2,86	2460	2,36	0,51732	0,51732
DCS 1900 ⁶	1880	50	29,60	2	28,6	722,7	20	0,144	1,0	8,42	4920	8,33	0,14378	

FCC Co-Location = 0,63999 < 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

⁴Test Report n. 406683TRFWL, p. 17

⁵Test Report n. 406683TRFWL, p. 18

⁶Shanghai Simcom Ltd., type SIM868: FCC ID UDV-201607; Test Report n. UL15820160629FCC004-1 , p.11

⁷User manual "D47_Manual_Rel_1.5.pdf", p. 28-29