

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

FCC Co-Location = 0,63999 < 1

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

<sup>2</sup>PD = EIRP / (4xπxD<sup>2</sup>)

<sup>3</sup>CFR 47 Part 1, §1.1310(e), table 1

<sup>4</sup>Test Report n. 406683TRFWL, p. 17

<sup>5</sup>Test Report n. 406683TRFWL, p. 18

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

<sup>7</sup>User manual "D47\_Manual\_Rel\_1.5.pdf", p. 28-29