

Manufacturer: NCS Lab S.r.l.

Product: WISE

FCC ID: 2ATZJ -WISE

MPE limits (§1.1310)

Radio device	Frequency	Duty Cycle	Power	Antenna		EIRP ¹	EIRP	Distance D	PD ²	PD Limit ⁴	Margin	PD/PD Limit
				Gain ³								
	MHz	%	dBm	dBi		dBm	mW	cm	mW/cm^2	mW/cm^2	dB	
BLE ⁵	2402	100	6,14	0		6,1	4	20	0,000818	1,000	30,87	0,00082
BLE ⁵	2440	100	6,64	0		6,6	5	20	0,000918	1,000	30,37	0,00092
BLE ⁵	2480	100	7,74	0		7,7	6	20	0,001182	1,000	29,27	0,00118
IEEE 802.15.4 ⁶	2405	100	7,24	0		7,2	5	20	0,001054	1,000	29,77	0,00105
IEEE 802.15.4 ⁶	2440	100	5,94	0		5,9	4	20	0,000781	1,000	31,07	0,00078
IEEE 802.15.4 ⁶	2480	100	5,44	0		5,4	3	20	0,000696	1,000	31,57	0,00070

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

²PD = EIRP / (4xπxD²)

³Antenna Gain: see both Test Report (p.7)

⁴CFR 47 Part 1, §1.1310 (Table 1)

⁵Test report no. 372228-1TRFWL (FCC 15.247 WISE BLE) (p.26)

⁶Test report no. 372228-2TRFWL (FCC 15.247 WISE 802.15.4) (p.26)