

EUT technologies:

Technologies:	Max. measured E.I.R.P. per BW=1MHz (RMS):		BW (MHz)	Max. Effective Power (Calculated) Max.meas.E.I.R.P. @1MHz X (BW/1MHz) (RMS)	
	(dBm)	(μW)		(μW)	(dBm)
UWB 6.2 to 6.8 GHz	-44.7	0.034	517.7	17.60	-17.54
UWB 7.6 to 8.3 GHz	-46.1	0.025	542.7	13.57	-18.68

NOTE: Result taken from CTC Advanced GmbH report 1-1604/20-03-02.

Blanket test exemption according CFR 47 §1.1307:

§1.1307(b)(3)(i)(A) – A single RF source is exempt if the available maximum time-averaged power is **no more than 1 mW**, regardless of separation distance.

Prediction of MPE limit at given distance - ISED

RSS-102, general limitations for E- and H- Field

Reference levels for general public (uncontrolled environment) exposure to time-varying electric and magnetic fields

According to: RSS 102-ISSUE 05		
Frequency Range (MHz)	Power density (W/m ²)	Reference Period (minutes)
0.003-10	--	Instantaneous*
0.1-10	--	6**
1.1-10	--	6**
10-20	2	6
20-48	$8.944 / f^{0.5}$	6
48-300	1.291	6
300-6000	$0.02619 \times f^{0.6834}$	6
6000-15000	10	6
15000-150000	10	$616000 / f^{1.2}$
150000-300000	$6.67 \times 10^{-5} \times f$	$616000 / f^{1.2}$
Note: f is frequency in MHz. * Based on nerve stimulation (NS). ** Based on specific absorption rate (SAR).		

Prediction: worst case

		UWB	UWB	
	Frequency	6500	8000	MHz
R	Distance	5	5	mm
PG	Maximum EIRP	-17.54	-18.68	dBm
PG	Maximum EIRP	17.6	13.6	μW
S	Power density	0.1	0.0	W/m ²
	Exclusion Limit from above:	10.0	10.0	W/m ²
	Calculated percentage of Limit:	0.56%	0.43%	