

10.3 How do you make a selective measurement based on the ICNIRP standard?

“We’ve just measured 1.693 nanowatts per square centimeter (nW/cm²) at 946 MHz!” Sounds pretty dangerous. But, is it really? The Narda **SRM** has the ICNIRP standard stored in memory. When you activate it and switch the display to “%”, the device converts the result so that everybody can understand it:

0.00425% of the limit value.



Nothing to worry about, then. And the **SRM** also takes account of the fact that the limit value varies according to the frequency.

Battery: 18.01.19 11:12:41 GPS: 48°27'46.7" N Ant: 3AX 0.4-6G SrvTbt: EU Full Band
9°13'19.2" E Cable: --- Stnd: ICNIRP GP

Table View: Detailed

Index	Service	Fmin	Fmax	Avg
6	Trains	467.450 000 MHz	468.300 000 MHz	0.001 41 %
7	BandIV (DVB-T)	470.000 000 MHz	790.000 000 MHz	29.79 %
8	BandV (DAB)	790.000 000 MHz	862.000 000 MHz	32.79 %
9	GSM-R	876.000 000 MHz	880.000 000 MHz	0.000 86 %
10	GSM 900	890.000 000 MHz	960.000 000 MHz	8.78 %
11	L-Band (DAB)	1 452.000 000 MHz	1 492.000 000 MHz	0.001 97 %
12	GSM 1800	1 710.000 000 MHz	1 880.000 000 MHz	0.006 50 %
13	DECT	1 880.000 000 MHz	1 900.000 000 MHz	0.000 53 %
14	UMTS-TDD	1 900.000 000 MHz	2 025.000 000 MHz	0.003 22 %
15	UMTS DL	2 110.000 000 MHz	2 170.000 000 MHz	0.007 19 %
	Others			0.089 %
	Total			71.48 %

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MR:	100 %	RBW:	200 kHz (Auto)	Noise Suppr.:	Sweep Time:	1.440 s	Progress:	
					Off No. of Runs:	253	AVG:	6 min 



If you would like to see this instrument or another Narda product demonstrated, [contact your Narda sales partner.](#)

→ We offer a seminar on “**Exposure measurements on radio transmitting equipment using the SRM-3006**” which is aimed at beginners, more advanced, and professional users of selective measuring equipment. You can find details of our seminars [here](#) or you can ask your local Narda [sales partner](#) for individual arrangements.