

Results of testing Electronic Warfare (EW) “Taurus”

Date and time: 25 Feb 2025; 12:00 – 15:00

Weather conditions: sunny, ambient temperature -1 °C - +2 °C, clear

Location: wide forest clearing, away from populated areas, power lines and GSM masts

Measuring Equipment: Electromagnetic Radiation Detector BR-9A

Measured Parameters (please, see in the table below):

- Power Density **S**, $\mu\text{W}/\text{cm}^2$;
- Electric Field Strength **E**, V/m;
- Magnetic Field Intensity **H**, μT

INSIDE THE CAR

Parameters	Jamming Generators, frequencies			
	400-800 MHz	800-1350 MHz	2400; 5800 MHz	All together
S , $\mu\text{W}/\text{cm}^2$	38,25	38,25	34,65	35,4
E , V/m	31,87	31,87	28,25	29,36
H , μT				

OUTSIDE THE CAR at a distance of 1 m

Parameters	Jamming Generators, frequencies			
	400-800 MHz	800-1350 MHz	2400; 5800 MHz	All together
S , $\mu\text{W}/\text{cm}^2$	30,3	30,9	31,884	27,078
E , V/m	25,25	25,75	26,57	22,56
H , μT	0,841	0,858	0,885	0,752

OUTSIDE THE CAR at a distance of 2 m

Parameters	Jamming Generators, frequencies			
	400-800 MHz	800-1350 MHz	2400; 5800 MHz	All together
S , $\mu\text{W}/\text{cm}^2$	27,75	29,25	32,55	27,33
E , V/m	23,12	24,37	27,12	22,77
H , μT	0,77	0,812	0,904	0,759

OUTSIDE THE CAR at a distance of 3 m

Parameters	Jamming Generators, frequencies			
	400-800 MHz	800-1350 MHz	2400; 5800 MHz	All together
S , $\mu\text{W}/\text{cm}^2$	24,15	26,856	29,70	26,436
E , V/m	20,12	22,38	24,75	22,03
H , μT	0,67	0,746	0,825	0,734

OUTSIDE THE CAR at a distance of 5 m

Parameters	Jamming Generators, frequencies			
	400-800 MHz	800-1350 MHz	2400; 5800 MHz	All together
S , $\mu\text{W}/\text{cm}^2$	22,80	29,53	27,678	23,1
E , V/m	19,0	24,61	23,06	19,25
H , μT	0,633	0,820	0,768	0,641

OUTSIDE THE CAR at a distance of 10 m

Parameters	Jamming Generators, frequencies			
	400-800 MHz	800-1350 MHz	2400; 5800 MHz	All together
S , $\mu\text{W}/\text{cm}^2$	20,106	21,33	23,424	22,584
E , V/m	16,75	17,77	19,52	18,82
H , μT	0,558	0,592	0,650	0,627

INSIDE THE CAR

Parameters	Jamming Generators, frequencies			
	400-800 MHz	800-1350 MHz	2400; 5800 MHz	All together
S , $\mu\text{W}/\text{cm}^2$	34,22	33,9	26,496	37,95
E , V/m	28,52	28,25	22,08	31,62
H , μT	0,950	0,941	0,736	1,054

Conclusion:

During the tests, physical impact of radio waves was noticeable inside the car cabin, when high-frequency antennas 2400 MHz (**UHF range; Decimeter waves**) and 5800 MHz (**SHF range; Centimeter waves**) were turned on.