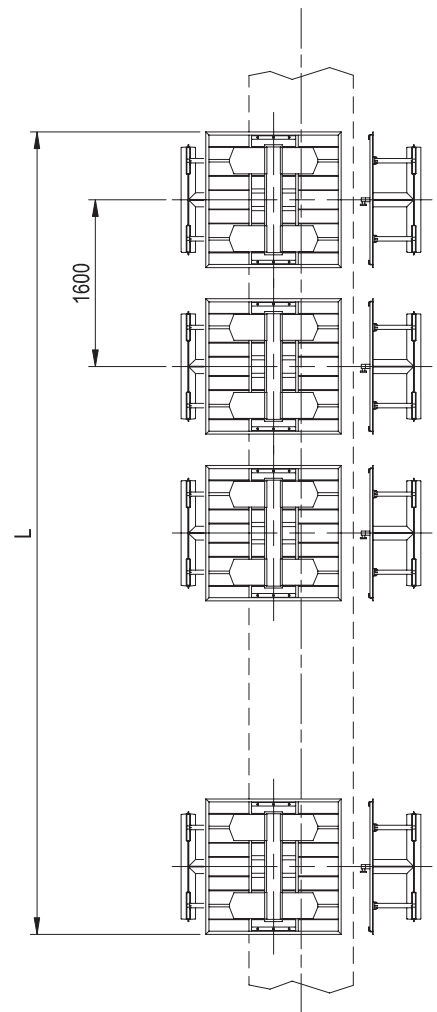


Antenna systems on the basis of 3VTV-02 panel antenna

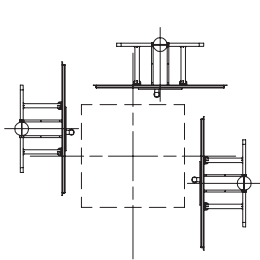
Number of bays	Panels per bay	Gain, dB ¹	Gain, times ¹	Weight, kg ²	Height (L), m	Wind load, kN ³
2	1	11	12.6	85	2.9	2.73
	2	8	6.3	170		4.60
	3	6.2	4.2	250		5.98
	4	5	3.2	340		7.35
4	1	14	25.1	170	6.1	5.46
	2	11	12.6	340		9.12
	3	9.2	8.3	525		11.96
	4	8	6.3	750		14.70
6	1	15.9	38.9	250	9.3	8.20
	2	12.9	19.5	525		13.81
	3	11.1	12.8	850		17.94
	4	9.9	9.8	1075		22.05
8	1	17	50.1	340	12.5	10.98
	2	14	25.1	750		18.42
	3	12.2	16.6	1075		23.92
	4	11	12.6	1400		29.40
12	1	18.9	77.6	500	18.9	16.40
	2	15.9	38.9	1050		27.63
	3	14.1	25.7	1700		35.83
	4	12.9	19.5	2150		44.10
16	1	20	100	680	25.3	21.87
	2	17	50.1	1500		36.84
	3	15.2	33.1	2150		47.84
	4	14	25.1	2800		58.80



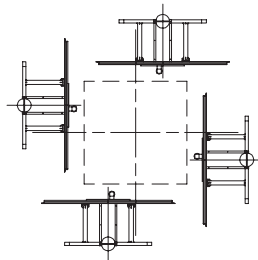
(1) referred to half wave dipole. Attenuation of connecting cables not taken into account.

(2) without mounting hardware.

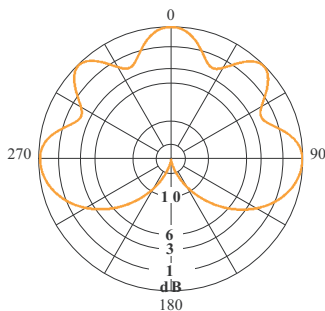
(3) $V = 150$ km/h.



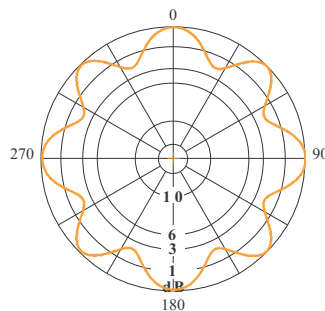
Three panels per bay



Four panels per bay



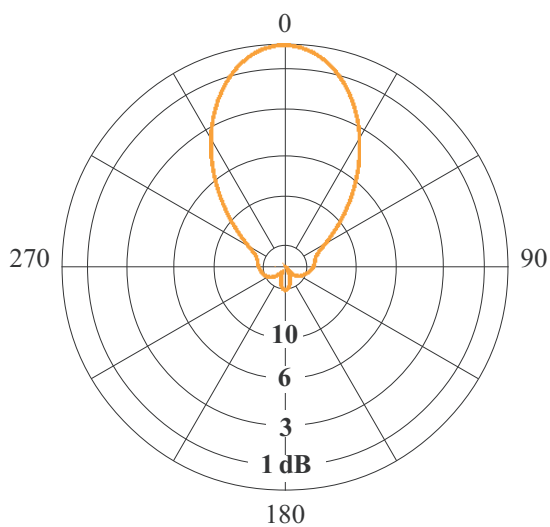
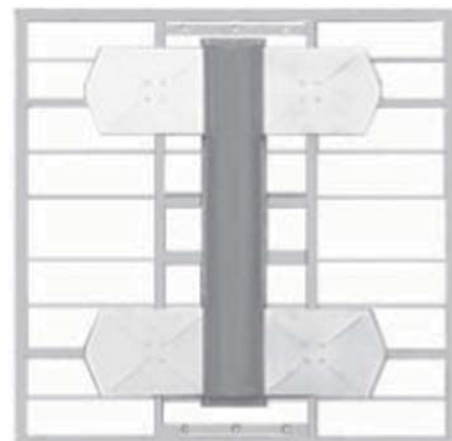
Horizontal pattern



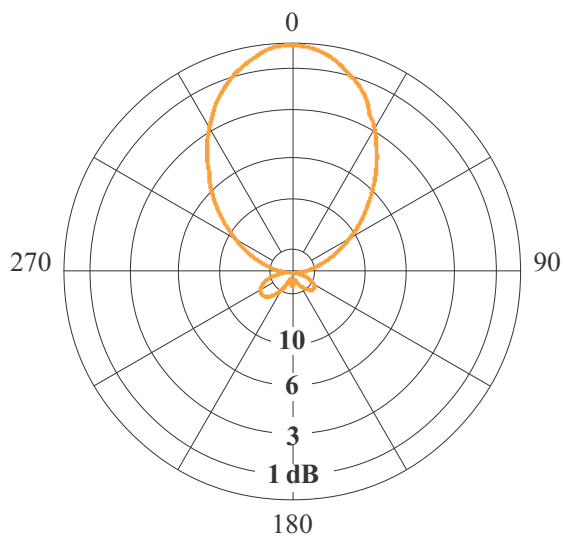
Horizontal pattern

Technical specifications of 3VTV-02 panel antenna

Frequency range	170–230 MHz
Input VSWR	$\leq 1,1$
Maximum input power	3 kW
Polarization	horizontal
Gain (referred to half wave dipole)	8 dB
Input impedance	50 Ohm
Input connector	7/8" EIA
Dimensions	1300 x 1300 x 580 mm
Weight	38 kg



Vertical pattern



Horizontal pattern

