

(Corrigendum) The Solar Orbiter Radio and Plasma Waves (RPW) instrument

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ABSTRACT

The erratum concerns figure 9 entitled "Antenna radio-electrical properties" for which some of the parameters are not correct. The new figure with new parameters is provided in Fig. 1 of this corrigendum.

		Monopole	Dipole
Antenna capacitance C_A (pF)	Physical length L (m)	6.5	7.857 for V1V2 and V1V3 6.99 for V2V3
	radius a (m)	0.015	0.015
	C_A (pF) for $f \ll c/2\pi L$	71.30	41.54 for V1V2 and V1V3 37.80 for V2V3
Cstray (pF)	antenna Cstray ANT 1 / PZ ANT 2 / PY ANT 3 / MY	76.3 ± 4.0 78.9 ± 3.0 76.2 ± 2.7	
	mean	77.1 ± 3.2	
	preamplifier Cstray	33.0	
	Stud Cstray	0.0	
	Cstray	109.5 ± 3.2	54.7 ± 1.6
$\Gamma = C_A / (C_A + C_S)$	Γ for $f \ll c/2\pi L$	0.394 ± 0.007	0.431 ± 0.007 for V1V2 and V1V3 0.408 ± 0.007 for V2V3
Leff (m)	min	3.83	5.48
	max	4.41	7.53
Γ Leff (m) for $f \ll c/2\pi L$	min	1.48	2.20
	max	1.77	3.30

Fig. 1. Corrected Antenna radio-electrical properties.