Regime	Band	Z_e–S ($r_s = 0.2$)	RMSE dBZ	NRMSE adim.	Z_e–S ($r_s = 0.4$)	RMSE dBZ	NRMSE adim.	Z_e–S ($r_s = 0.6$)	RMSE dBZ	NRMSE adim.	Z_e–S ($r_s = 0.8$)	RMSE dBZ	NRMSE adim.	Z_e–S ($r_s = 1$)	RMSE dBZ	NRMSE adim.
LR	X	$171.52S^{1.36}$	6.26	0.17	$96.92S^{1.39}$	4.94	0.13	$\mathbf{69.52S^{1.39}}$	**4.71**	**0.13**	$54.11S^{1.38}$	4.81	0.13	$43.81S^{1.38}$	5.06	0.14
	Ka	$124.72S^{1.24}$	5.67	0.16	$59.64S^{1.23}$	3.67	0.11	$\mathbf{36.36S^{1.20}}$	**3.43**	**0.10**	$23.77S^{1.16}$	4.08	0.12	$16.09S^{1.13}$	5.11	0.15
	W	$78.61S^{1.12}$	9.36	0.30	$23.96S^{1.05}$	5.04	0.16	$\mathbf{9.59S^{0.98}}$	**3.20**	**0.10**	$4.31S^{0.93}$	4.43	0.14	$2.10S^{0.90}$	6.86	0.22
MR	X	$153.10S^{1.13}$	6.50	0.20	$106.69S^{1.13}$	5.41	0.16	$76.87S^{1.11}$	4.67	0.14	$61.63S^{1.10}$	4.33	0.13	$\mathbf{51.64S^{1.08}}$	**4.19**	**0.13**
	Ka	$162.22S^{1.12}$	6.94	0.20	$90.90S^{1.07}$	5.22	0.15	$54.85S^{1.03}$	4.19	0.12	$\mathbf{36.24S^{0.98}}$	**3.90**	**0.11**	$24.86S^{0.94}$	4.19	0.12
	W	$93.78S^{1.00}$	10.49	0.36	$36.11S^{0.92}$	7.06	0.24	$14.14S^{0.85}$	4.17	0.14	$\mathbf{6.32S^{0.80}}$	**3.42**	**0.12**	$3.08S^{0.76}$	4.96	0.17
HR	X	$31.90S^{0.67}$	4.55	0.18	$56.42S^{0.76}$	4.52	0.18	$\mathbf{58.04S^{0.85}}$	**4.45**	**0.18**	$56.96S^{0.91}$	4.46	0.18	$54.46S^{0.95}$	4.52	0.18
	Ka	$25.24S^{0.56}$	3.47	0.14	$42.34S^{0.67}$	3.79	0.16	$\mathbf{36.50S^{0.75}}$	**3.33**	**0.14**	$30S^{0.81}$	3.41	0.14	$23.98S^{0.85}$	3.95	0.16
	W	$11.65S^{0.54}$	4.77	0.23	$\mathbf{13.45S^{0.62}}$	**4.70**	**0.23**	$10S^{0.76}$	3.43	0.17	$6.68S^{0.87}$	3.88	0.19	$4.33S^{0.95}$	5.59	0.27