

# Tested Accuracies

Tuesday, February 20, 2024

Manufacturer	Model	SBAS	Glonass	Ext. Antenna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Apple	iPad 10	WAAS	Yes	No	1	No	4.22	4.7	6.48
Apple	iPad 10	WAAS	Yes	No	5	No	3.59	4.6	6.64
Apple	iPad 10	WAAS	Yes	No	60	No	3.46	4.6	7.92
Apple	iPad 2019 10.2" (MW702LL/A)	WAAS	Yes	No	1	No	4.44	12.56	6.29
Apple	iPad 2019 10.2" (MW702LL/A)	WAAS	Yes	No	5	No	3.8	10.89	6.78
Apple	iPad 2019 10.2" (MW702LL/A)	WAAS	Yes	No	60	No	2.29	11.05	7.94
Apple	iPad 9.7 (6th gen.)	None	Yes	No	1	No	6.86	10.98	12.73
Apple	iPad 9.7 (6th gen.)	None	Yes	No	5	No	6.75	12.6	9.49
Apple	iPad 9.7 (6th gen.)	None	Yes	No	60	No	7.28	8.17	9.78
Apple	iPad Mini 4	None	Yes	No	1	No	4.83	12.31	15.41
Apple	iPad Mini 4	None	Yes	No	5	No	3.62	10.67	15.4
Apple	iPad Mini 4	None	Yes	No	60	No	5.29	10.31	14.02
Apple	iPad mini 5 (MUXM2LL/A)	WAAS	Yes	No	1	No	3.06	8.68	8.94
Apple	iPad mini 5 (MUXM2LL/A)	WAAS	Yes	No	5	No	3.56	11.15	10.75
Apple	iPad mini 5 (MUXM2LL/A)	WAAS	Yes	No	60	No	2.86	10.51	10.15

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Apple	iPad Mini 6	WAAS	Yes	No	1	No	2.73	7.53	7.25
Apple	iPad Mini 6	WAAS	Yes	No	5	No	3.67	7.51	8.22
Apple	iPad Mini 6	WAAS	Yes	No	60	No	3.62	6.64	9.25
Apple	iPad Pro 11" (MU162LL/A)	WAAS	Yes	No	1	No	2.38	18.99	10.26
Apple	iPad Pro 11" (MU162LL/A)	WAAS	Yes	No	5	No	3.07	17.44	9.59
Apple	iPad Pro 11" (MU162LL/A)	WAAS	Yes	No	60	No	2.96	14.3	10
Apple	iPad Pro 9.7"	None	Yes	No	1	No	3.72	7.75	13.36
Apple	iPad Pro 9.7"	None	Yes	No	5	No	3.23	7.46	11.78
Apple	iPad Pro 9.7"	None	Yes	No	60	No	4.64	8.84	9.74
Apple	iPad2	None	No	No	1	No	6.93	9.78	13
Apple	iPad2	None	No	No	5	No	4.64	11	10.12
Apple	iPad2	None	No	No	60	No	5.65	10.54	13.09
Apple	iPhone 11	WAAS	Yes	No	1	No	3.29	18.14	14.38
Apple	iPhone 11	WAAS	Yes	No	5	No	3.6	17.99	12.51
Apple	iPhone 11	WAAS	Yes	No	60	No	4.31	18.01	10.69
Apple	iPhone 12	None	Yes	No	1	No	2.73	19.19	8.48
Apple	iPhone 12	None	Yes	No	5	No	3.67	18.58	8.55
Apple	iPhone 12	None	Yes	No	60	No	3.62	14.28	8.44
Apple	iPhone 13	WAAS	Yes	No	1	No	3.44	4.85	6.62

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Apple	iPhone 13	WAAS	Yes	No	5	No	2.7	5.31	8.05
Apple	iPhone 13	WAAS	Yes	No	60	No	3.95	6.03	8.6
Apple	iPhone 14	WAAS	Yes	No	1	No	4.22	4.71	6.48
Apple	iPhone 14	WAAS	Yes	No	5	No	3.59	4.59	6.64
Apple	iPhone 14	WAAS	Yes	No	60	No	3.46	4.6	7.92
Apple	iPhone 7	None	Yes	No	1	No	4.4	8.24	6.85
Apple	iPhone 7	None	Yes	No	5	No	3.9	8.79	8.51
Apple	iPhone 7	None	Yes	No	60	No	3.16	7.24	8.09
Apple	iPhone SE	None	Yes	No	1	No	3.98	7.14	8.1
Apple	iPhone SE	None	Yes	No	5	No	4.01	9.25	8.21
Apple	iPhone SE	None	Yes	No	60	No	3.5	7.18	8.45
Apple	iPhone XR	None	Yes	No	1	No	4.47	9.31	11.56
Apple	iPhone XR	None	Yes	No	5	No	5.32	9.43	9.49
Apple	iPhone XR	None	Yes	No	60	No	4.19	12.8	13.52
Ashtech	Mobile Mapper 10	None	No	No	1	No	4.28	4.28	7.7
Ashtech	Mobile Mapper 10	None	No	No	1	Yes	1.66	6.43	8.16
Ashtech	Mobile Mapper 10	None	No	No	5	No	3.6	5.02	9.2
Ashtech	Mobile Mapper 10	None	No	No	5	Yes	2.52	5.54	7.48
Ashtech	Mobile Mapper 10	None	No	No	60	No	1.86	5.22	8.95

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Ashtech	Mobile Mapper 10	None	No	No	60	Yes	2.06	3.27	8.54
Ashtech	Mobile Mapper 10	WAAS	No	No	1	No	1.48	4.89	9.07
Ashtech	Mobile Mapper 10	WAAS	No	No	1	Yes	2.48	5.39	9.21
Ashtech	Mobile Mapper 10	WAAS	No	No	5	No	1.79	7	7.36
Ashtech	Mobile Mapper 10	WAAS	No	No	5	Yes	2.1	3.5	8.02
Ashtech	Mobile Mapper 10	WAAS	No	No	60	No	1.86	8.37	8.77
Ashtech	Mobile Mapper 10	WAAS	No	No	60	Yes	2.44	5.94	6.62
Bad Elf	BE-GPS-1000	None	No	No	1	No	10.8	12.24	8.41
Bad Elf	BE-GPS-1000	None	No	No	5	No	4.7	11.16	17.53
Bad Elf	BE-GPS-1000	None	No	No	60	No	4.42	12.78	12.57
Bad Elf	Flex	WAAS	Yes	No	1	No	0.99	2.43	3.9
Bad Elf	Flex	WAAS	Yes	No	5	No	0.97	2.48	4.29
Bad Elf	Flex	WAAS	Yes	No	60	No	0.98	1.59	7.32
Bad Elf	GNSS Surveyor	WAAS	Yes	No	1	No	2.41	8.67	20.84
Bad Elf	GNSS Surveyor	WAAS	Yes	No	5	No	1.39	7.48	18.33
Bad Elf	GNSS Surveyor	WAAS	Yes	No	60	No	2.07	7.26	17.99
Bad Elf	GPS Pro	WAAS	No	No	1	No	1.46	6.75	12.27
Bad Elf	GPS Pro	WAAS	No	No	5	No	0.91	8.57	9.22
Bad Elf	GPS Pro	WAAS	No	No	60	No	2.72	9.7	7.61

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							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Bad Elf	GPS Pro +	WAAS	Yes	No	1	No	1.68	11.28	7.67
Bad Elf	GPS Pro +	WAAS	Yes	No	5	No	2.51	6.59	9.05
Bad Elf	GPS Pro +	WAAS	Yes	No	60	No	4.15	8.03	8.86
Cat	S41	None	Yes	No	1	No	3.13	9.54	11.74
Cat	S41	None	Yes	No	5	No	3.53	9.11	12.37
Cat	S41	None	Yes	No	60	No	3.05	8.13	11.9
Columbus	V-900	WAAS	No	No	1	No	9.91	17.45	23.48
Columbus	V-900	WAAS	No	No	5	No	10.22	16.57	20.94
Columbus	V-900	WAAS	No	No	60	No	9.1	15.44	21.84
Dap	Kynysis Rugged Tablet	None	No	No	1	No	3	6.34	20.12
Dap	Kynysis Rugged Tablet	None	No	No	5	No	2.88	7.18	21.91
Dap	Kynysis Rugged Tablet	None	No	No	60	No	2.96	7.99	17.8
Dell	Latitude 12	WAAS	Yes	No	1	No	6.25	11.56	16.66
Dell	Latitude 12	WAAS	Yes	No	5	No	4.08	10.3	9.25
Dell	Latitude 12	WAAS	Yes	No	60	No	4.26	13.34	10.71
Dell	Latitude 7212	WAAS	Yes	No	1	No	2.64	8.4	15.54
Dell	Latitude 7212	WAAS	Yes	No	5	No	2.55	8.34	15.65
Dell	Latitude 7212	WAAS	Yes	No	60	No	2.42	8.18	13.51
Delorme	Earthmate PN20	WAAS	No	No	5	No		7.72	14.98

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							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Delorme	Earthmate PN20	WAAS	No	No	60	No		4.68	7.03
Delorme	Earthmate PN60	WAAS	No	No	1	No	1.38	6.14	14.88
Delorme	Earthmate PN60	WAAS	No	No	5	No	3.99		
Delorme	Earthmate PN60	WAAS	No	No	60	No	1.71	4.89	13.16
Delorme	Earthmate PN60	WAAS	No	No	180	No	2.92	3.08	11.52
Duel	XGPS150	None	No	No	1	No	7.49	47.4	50.83
Duel	XGPS150	None	No	No	5	No	3.73	30.16	44.51
Duel	XGPS150	None	No	No	60	No	2.84	37	58.8
Duel	XGPS160	WAAS	Yes	No	1	No	2	13.94	26.92
Duel	XGPS160	WAAS	Yes	No	5	No	2.07	11.67	20.29
Duel	XGPS160	WAAS	Yes	No	60	No	2.22	10.67	21.74
Emlid	Reach RS+	WAAS	Yes	No	1	No	1.02	3.2	7.1
Emlid	Reach RS+	WAAS	Yes	No	5	No	1.29	2.94	8.74
Emlid	Reach RS+	WAAS	Yes	No	60	No	1.13	2.68	7.16
Emtac	Trine	None	No	No	60	No			12.02
Emtac	Trine	None	No	Yes	5	No	6.9	4.64	18.5
Emtac	Trine	None	No	Yes	60	No	8.83	7.97	17.61
EOS	Arrow 100	None	Yes	Yes	1	No	0.9	3.43	4.65
EOS	Arrow 100	None	Yes	Yes	5	No	0.88	3.29	4.44

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							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
EOS	Arrow 100	None	Yes	Yes	60	No	0.99	1.84	2.99
EOS	Arrow 100	WAAS	Yes	Yes	1	No	0.88	2.53	5.23
EOS	Arrow 100	WAAS	Yes	Yes	5	No	0.98	2.33	4.04
EOS	Arrow 100	WAAS	Yes	Yes	60	No	0.99	1.57	2.24
EOS	Arrow 100 2022	WAAS	Yes	Yes	1	No	1.04	1.94	4.08
EOS	Arrow 100 2022	WAAS	Yes	Yes	5	No	1.1	2.34	3.52
EOS	Arrow 100 2022	WAAS	Yes	Yes	60	No	1.27	2.25	3.03
F4	Flint	WAAS	No	No	1	No	1.02	6.62	9.87
F4	Flint	WAAS	No	No	5	No	1.09	6.28	8.26
F4	Flint	WAAS	No	No	60	No	0.8	4.59	7.04
F4	Forge	WAAS	No	No	1	No	1.75	5.58	9.37
F4	Forge	WAAS	No	No	5	No	1.99	4.94	8.22
F4	Forge	WAAS	No	No	60	No	1.33	4.95	7.58
Fujitsu	Q550 Tablet	None	No	No	1	No	3.03	7.31	8.96
Fujitsu	Q550 Tablet	None	No	No	5	No	3.42	4.7	7.73
Fujitsu	Q550 Tablet	None	No	No	60	No	2.9	7.96	8.9
Garmin	Colorado 400T	WAAS	No	No	1	No			16.49
Garmin	Colorado 400T	WAAS	No	No	60	No			13.65
Garmin	Drive 51 LM	None	No	No	1	No	4.4	15.64	12.2

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							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Garmin	Etrex 30	None	No	No	1	No	0.95	13.53	21.07
Garmin	Etrex 30	None	No	No	5	No	1.12	17.89	16.89
Garmin	Etrex 30	None	No	No	60	No	1.06	18.55	13.43
Garmin	Etrex 30	None	Yes	No	1	No	6.56	14.58	25.86
Garmin	Etrex 30	None	Yes	No	5	No	8.03	13.42	23.34
Garmin	Etrex 30	None	Yes	No	60	No	7.73	12.17	23
Garmin	Etrex 30	WAAS	No	No	1	No	0.86	9.97	15.69
Garmin	Etrex 30	WAAS	No	No	5	No	0.77	11.48	16.39
Garmin	Etrex 30	WAAS	No	No	60	No	1.16	11.85	13.51
Garmin	Etrex 30	WAAS	Yes	No	1	No	3.96	19.08	21.16
Garmin	Etrex 30	WAAS	Yes	No	5	No	2.9	23.59	21.4
Garmin	Etrex 30	WAAS	Yes	No	60	No	4.04	23.15	16.21
Garmin	eTrex Touch 35T	None	Yes	No	1	No	2.67	13.76	15.83
Garmin	eTrex Touch 35T	None	Yes	No	5	No	2.76	11.18	11.48
Garmin	eTrex Touch 35T	None	Yes	No	60	No	3	9.14	9.39
Garmin	eTrex Touch 35T	WAAS	Yes	No	1	No	3.73	11	17.27
Garmin	eTrex Touch 35T	WAAS	Yes	No	5	No	3.02	9.2	12.91
Garmin	eTrex Touch 35T	WAAS	Yes	No	60	No	3.36	7.59	11.66
Garmin	Glo	WAAS	Yes	No	1	No	4.38	10.51	12.47

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							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Garmin	Glo	WAAS	Yes	No	5	No	2.51	5.57	10.35
Garmin	Glo	WAAS	Yes	No	60	No	3.69	8.03	14.19
Garmin	Glo 2	None	Yes	No	1	No	4.42	8.21	11.53
Garmin	Glo 2	None	Yes	No	5	No	3.99	8.04	12.2
Garmin	Glo 2	None	Yes	No	60	No	3.72	6.85	11.61
Garmin	GPSMAP 62	None	No	No	1	No	3.48	9.3	5.99
Garmin	GPSMAP 62	None	No	No	5	No	2.93	4.76	7.33
Garmin	GPSMAP 62	None	No	No	60	No	3.95	5.52	8.46
Garmin	GPSMAP 62	WAAS	No	No	1	No	3.04	3.91	11.71
Garmin	GPSMAP 62	WAAS	No	No	5	No	3.87	5.86	5.26
Garmin	GPSMAP 62	WAAS	No	No	60	No	3.42	5.1	7.23
Garmin	GPSMAP 64	None	Yes	No	1	No	3.86	6.09	13.46
Garmin	GPSMAP 64	None	Yes	No	5	No	3.36	5.49	9.79
Garmin	GPSMAP 64	None	Yes	No	60	No	3.09	6.98	7.23
Garmin	GPSMAP 64	WAAS	Yes	No	1	No	3.3	7.34	6.55
Garmin	GPSMAP 64	WAAS	Yes	No	5	No	3.58	4.44	7.43
Garmin	GPSMAP 64	WAAS	Yes	No	60	No	4.05	6.05	9.29
Garmin	GPSMAP 66sr	WAAS	Yes	No	1		3.45	3.82	6.85
Garmin	GPSMAP 66sr	WAAS	Yes	No	5		4.33	4.76	5.98

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							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Garmin	GPSMAP 66sr	WAAS	Yes	No	60		3.28	5.5	5.5
Garmin	GPSMAP 66st	None	Yes	No	1	No	3.53	8.44	11.65
Garmin	GPSMAP 66st	None	Yes	No	5	No	2.14	9.33	10.9
Garmin	GPSMAP 66st	None	Yes	No	60	No	2.37	10.42	10.25
Garmin	GPSMAP 76	Beacon	No	No	60	No			19.04
Garmin	GPSMAP 76	None	No	No	1	No	8.52	21.11	68.57
Garmin	GPSMAP 76	None	No	No	5	No	10.57	15	23.33
Garmin	GPSMAP 76	None	No	No	60	No	4.19	15.72	17.9
Garmin	GPSMAP 76	None	No	No	60	Yes	1.91		
Garmin	GPSMAP 76	WAAS	No	No	1	No	5.98	108.92	25.8
Garmin	GPSMAP 76	WAAS	No	No	5	No	5.36	10.83	33.96
Garmin	GPSMAP 76	WAAS	No	No	60	No	7.77	10.93	25.8
Garmin	GPSMAP 76CSx	None	No	No	1	No	3.66	18.34	15.49
Garmin	GPSMAP 76CSx	None	No	No	5	No	4.76	10.33	17.16
Garmin	GPSMAP 76CSx	None	No	No	60	No	3.98	7.27	13.66
Garmin	GPSMAP 76CSx	WAAS	No	No	1	No	2.25	6.85	9.28
Garmin	GPSMAP 76CSx	WAAS	No	No	5	No	2.61	5.74	16
Garmin	GPSMAP 76CSx	WAAS	No	No	60	No	4.68	5.65	19.17
Garmin	inReach Explorer +	None	No	No	1	No	3.2	7.65	8.68

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							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Garmin	inReach Mini	None	No	No	1	No	4.66	29.12	20.6
Garmin	Montana 650t	None	No	No	1	No	2.67	5.93	19.86
Garmin	Montana 650t	None	No	No	5	No	4.2	8.56	12.02
Garmin	Montana 650t	None	No	No	60	No	3.8	7.13	14.1
Garmin	Montana 650t	WAAS	No	No	1	No	4.77	8.58	16.58
Garmin	Montana 650t	WAAS	No	No	5	No	1.98	7.13	11.99
Garmin	Montana 650t	WAAS	No	No	60	No	4.3	6.82	13.24
Garmin	Montana 680T	None	Yes	No	1	No	2.1	8.08	9.45
Garmin	Montana 680T	None	Yes	No	5	No	2.23	6.31	9.73
Garmin	Montana 680T	None	Yes	No	60	No	3.25	9.4	9.78
Garmin	Montana 680T	WAAS	Yes	No	1	No	6.58	5.79	18
Garmin	Montana 680T	WAAS	Yes	No	5	No	6.11	6.38	15.64
Garmin	Montana 680T	WAAS	Yes	No	60	No	3.67	7.69	9.06
Garmin	Monterra	WAAS	Yes	No	1	No	3.53	11.97	19.93
Garmin	Monterra	WAAS	Yes	No	5	No	3.62	6.24	10.44
Garmin	Monterra	WAAS	Yes	No	60	No	4.13	5.89	9.4
Garmin	Oregon 400T	None	No	No	1	No	1.75	7.37	15.4
Garmin	Oregon 400T	None	No	No	5	No	2.14	6.25	10.54
Garmin	Oregon 400T	None	No	No	60	No	3.56	3.43	8.68

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							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Garmin	Oregon 400T	WAAS	No	No	1	No	3.56	4.49	15.18
Garmin	Oregon 400T	WAAS	No	No	5	No	2.74	6.9	11.17
Garmin	Oregon 400T	WAAS	No	No	60	No	3.16	3.85	8.85
Garmin	Oregon 650T	None	Yes	No	1	No	5.93	5.66	7.43
Garmin	Oregon 650T	None	Yes	No	5	No	4.71	6.7	9.96
Garmin	Oregon 650T	None	Yes	No	60	No	4.15	11.78	12.56
Garmin	Oregon 650T	WAAS	Yes	No	1	No	2.29	8.91	10.72
Garmin	Oregon 650T	WAAS	Yes	No	5	No	2.94	6.43	9.63
Garmin	Oregon 650T	WAAS	Yes	No	60	No	3.86	9.8	7.09
Garmin	Oregon 750	None	Yes	No	1	No	4.58	5.99	9.3
Garmin	Oregon 750	None	Yes	No	5	No	3.25	5.88	7.17
Garmin	Oregon 750	None	Yes	No	60	No	2.64	6.82	6.96
Garmin	Oregon 750	WAAS	Yes	No	1	No	4.26	7.18	8.29
Garmin	Oregon 750	WAAS	Yes	No	5	No	3.56	6.42	8.66
Garmin	Oregon 750	WAAS	Yes	No	60	No	4.1	5.46	8.48
Garmin	Rino 650t	None	No	No	1	No	2.49	4.89	14.02
Garmin	Rino 650t	None	No	No	5	No	3.3	4.2	9.69
Garmin	Rino 650t	None	No	No	60	No	2.97	6.6	8.44
Garmin	Rino 650t	WAAS	No	No	1	No	1.98	5.55	8.12

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Garmin	Rino 650t	WAAS	No	No	5	No	2.56	5.6	6.73
Garmin	Rino 650t	WAAS	No	No	60	No	2.66	4.96	6.53
Garmin	Rino 750	None	Yes	No	1	No	4.26	4.02	4.61
Garmin	Rino 750	None	Yes	No	5	No	3.68	4.19	5.03
Garmin	Rino 750	None	Yes	No	60	No	3.3	4.63	4.95
Garmin	Rino 750	WAAS	Yes	No	1	No	5.09	3.99	9.41
Garmin	Rino 750	WAAS	Yes	No	5	No	5.73	4.29	7.77
Garmin	Rino 750	WAAS	Yes	No	60	No	3.92	4.93	6.94
Geneq	iSxBlue 2	None	Yes	No	1	No	1.93	5.45	11.15
Geneq	iSxBlue 2	None	Yes	No	5	No	2.29	9.76	12.21
Geneq	iSxBlue 2	None	Yes	No	60	No	2.27	6.59	12.36
Geneq	iSxBlue 2	WAAS	Yes	No	1	No	0.7	4.53	6.58
Geneq	iSxBlue 2	WAAS	Yes	No	5	No	0.72	3.85	7.86
Geneq	iSxBlue 2	WAAS	Yes	No	60	No	0.75	3.65	4.76
Geneq	SXBlue	WAAS	No	Yes	1	No			8.97
Geneq	SXBlue	WAAS	No	Yes	5	No	2.87	2.67	9.66
Geneq	SXBlue	WAAS	No	Yes	60	No	2.15	3.43	6.54
Geneq	SXBlue II	WAAS	No	Yes	1	No	2.04	10.2	11.91
Geneq	SXBlue II	WAAS	No	Yes	5	No	1.84	7.1	6.97

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Manufacturer	Model	SBAS	Glonass	Ext. Antenna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Geneq	SXBlue II	WAAS	No	Yes	60	No	2.19	5.42	5.82
Geneq	SXBlue II	WAAS	No	Yes	60	Yes			3.01
Geneq	SXblue Premier	WAAS	Yes	No	1	No	1.32	1.91	4.51
Geneq	SXblue Premier	WAAS	Yes	No	5	No	1.13	1.74	3.9
Geneq	SXblue Premier	WAAS	Yes	No	60	No	0.99	2.76	3.97
Geneq	SXTab 7A	None	No	No	1	No	2.07	8.13	14.15
Geneq	SXTab 7A	None	No	No	5	No	2.21	6.11	13.22
Geneq	SXTab 7A	None	No	No	60	No	2.95	17.5	14.01
General Dynamics	GD 3015 Tablet	None	No	No	1	No	2.04	6.33	9
General Dynamics	GD 3015 Tablet	None	No	No	5	No	2.75	7.3	10.99
General Dynamics	GD 3015 Tablet	None	No	No	60	No	2.21	8.62	15.14
Getac	T800	None	Yes	No	1	No	3.56	8.2	11.07
Getac	T800	None	Yes	No	5	No	2.61	6.24	7.34
Getac	T800	None	Yes	No	60	No	2.1	11.73	16.49
Global Navigation Systems	GNS2000	WAAS	Yes	No	1	No	8.81	10.76	18.38
Global Navigation Systems	GNS2000	WAAS	Yes	No	5	No	11.72	16.48	20.88
Global Navigation Systems	GNS2000	WAAS	Yes	No	60	No	10.52	11.34	18.35
Globalstar	Spot X	None	No	No	1	No	77.1	92.77	40.53
Google	Pixel 4 XL	WAAS	Yes	No	1	No	2.85	5.59	6.81

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Google	Pixel 4 XL	WAAS	Yes	No	5	No	2.72	5.46	6.31
Google	Pixel 4 XL	WAAS	Yes	No	60	No	2.4	5.74	6.64
Google	Pixel 5	WAAS	Yes	No	1		2.55	4.72	5.55
Google	Pixel 5	WAAS	Yes	No	5		2.62	3.98	5.55
Google	Pixel 5	WAAS	Yes	No	60		2.55	5.02	4.97
Google	Pixel 6	WAAS	Yes	No	1	No	3.83	5.46	4.65
Google	Pixel 6	WAAS	Yes	No	5	No	3.23	5.2	4.57
Google	Pixel 6	WAAS	Yes	No	60	No	2.77	5.22	4.19
Haglof	Vertex Laser Geo	WAAS	Yes	No	1	No	6.32	12.43	20.62
Haglof	Vertex Laser Geo	WAAS	Yes	No	5	No	6.76	9.83	21.4
Haglof	Vertex Laser Geo	WAAS	Yes	No	60	No	7.07	8.25	15.5
Hydrus	Luna Field Data Recorder	None	No	No	1	No	4.04	4.11	8.04
Hydrus	Luna Field Data Recorder	None	No	No	60	No	2.33	5.63	6.9
Hydrus	Luna Field Data Recorder	None	No	No	180	No	3.08	3.81	11.69
Janum	HT1	None	Yes	No	1	No	3.91	3.85	7.7
Janum	HT1	None	Yes	No	5	No	3.69	4.37	7.64
Janum	HT1	None	Yes	No	60	No	3.26	5.26	6.81
Javad	Triumph-2	WAAS	No	No	1	No	1.02	8.47	9.47
Javad	Triumph-2	WAAS	No	No	5	No	1.09	6.9	9.81

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Manufacturer	Model	SBAS	Glonass	Ext. Antenna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Javad	Triumph-2	WAAS	No	No	60	No	1.4	4.11	5.4
Juniper	Allegro 2	None	Yes	No	1	No	2.8	14.15	19.01
Juniper	Allegro 2	None	Yes	No	5	No	2.76	11.24	16.58
Juniper	Allegro 2	None	Yes	No	60	No	3.25	11.47	13.63
Juniper	Allegro 2	WAAS	Yes	No	1	No	2.09	13.73	15.51
Juniper	Allegro 2	WAAS	Yes	No	5	No	2.42	12.36	16.88
Juniper	Allegro 2	WAAS	Yes	No	60	No	1.89	9.84	13.92
Juniper	Allegro Mx (ext GPS pod)	WAAS	No	No	1	No	4.2	7.95	23.03
Juniper	Allegro Mx (ext GPS pod)	WAAS	No	No	5	No	4.61	6.56	15.43
Juniper	Allegro Mx (ext GPS pod)	WAAS	No	No	60	No	2.12	9.97	18.08
Juniper	Allegro Mx (int GPS)	None	No	No	1	No	2.1		8.05
Juniper	Allegro Mx (int GPS)	None	No	No	5	No	1.73		7.97
Juniper	Allegro Mx (int GPS)	None	No	No	60	No	2.61		13.22
Juniper	Allegro Mx (int GPS)	WAAS	No	No	1	No	1.94		8.14
Juniper	Allegro Mx (int GPS)	WAAS	No	No	5	No	1.82		6.24
Juniper	Allegro Mx (int GPS)	WAAS	No	No	60	No	2.24		9.16
Juniper	Archer 2	None	Yes	No	1	No	3.43	10.65	9.14
Juniper	Archer 2	None	Yes	No	5	No	2.67	7.55	9.04
Juniper	Archer 2	None	Yes	No	60	No	3.07	8.41	10.06

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Juniper	Archer 2	WAAS	Yes	No	1	No	1.71	5.48	12.4
Juniper	Archer 2	WAAS	Yes	No	5	No	1.52	6.12	9
Juniper	Archer 2	WAAS	Yes	No	60	No	1.81	8.24	10.9
Juniper	Archer 3, Geo	WAAS	Yes	No	1	No	2.69	18.33	22.15
Juniper	Archer 3, Geo	WAAS	Yes	No	5	No	2.42	16.25	22.03
Juniper	Archer 3, Geo	WAAS	Yes	No	60	No	2.25	10.43	14.2
Juniper	Archer Field PC	None	No	No	1	No	1.84	14.4	22.96
Juniper	Archer Field PC	None	No	No	5	No	2.43	6.47	37.47
Juniper	Archer Field PC	None	No	No	60	No	2.1	16.74	94.17
Juniper	Archer Field PC	WAAS	No	No	1	No	1.84	7.47	49.03
Juniper	Archer Field PC	WAAS	No	No	5	No	1.81	7.57	108.17
Juniper	Archer Field PC	WAAS	No	No	60	No	1.71	5.69	
Juniper	Cedar CP3	None	Yes	No	1	No	5.61	6.18	9.62
Juniper	Cedar CP3	None	Yes	No	5	No	3.69	8.68	8.5
Juniper	Cedar CP3	None	Yes	No	60	No	5.4	7.04	10.14
Juniper	Cedar CT5	None	Yes	No	1	No	3.16	5.98	12.61
Juniper	Cedar CT5	None	Yes	No	5	No	3.06	5.6	12.94
Juniper	Cedar CT5	None	Yes	No	60	No	3.56	5.72	13.91
Juniper	Cedar CT7	None	No	No	1	No	2.41	10.5	17.48

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Juniper	Cedar CT7	None	No	No	5	No	2.64	5.48	13.76
Juniper	Cedar CT7	None	No	No	60	No	3.1	9.12	16.31
Juniper	Cedar CT7G	None	Yes	No	1	No	2.07	13.59	16.15
Juniper	Cedar CT7G	None	Yes	No	5	No	2.35	15.59	17.54
Juniper	Cedar CT7G	None	Yes	No	60	No	2.26	11.95	15.3
Juniper	Cedar CT8	None	Yes	No	1	No	2.33	6.68	12.13
Juniper	Cedar CT8	None	Yes	No	5	No	2.43	6.51	11.23
Juniper	Cedar CT8	None	Yes	No	60	No	2.08	6.17	6.86
Juniper	geode	None	Yes	No	1	No	2.76	3.1	6.46
Juniper	geode	None	Yes	No	5	No	2.46	2.73	6.07
Juniper	geode	None	Yes	No	60	No	1.76	1.42	2.91
Juniper	geode	WAAS	Yes	No	1	No	2.23	2.41	4.76
Juniper	geode	WAAS	Yes	No	5	No	2.74	2.17	6.17
Juniper	geode	WAAS	Yes	No	60	No	1.84	1.59	5.11
Juniper	Geode (2019)	WAAS	Yes	No	1	No	0.62	2.58	3.63
Juniper	Geode (2019)	WAAS	Yes	No	5	No	0.71	2.33	3.48
Juniper	Geode (2019)	WAAS	Yes	No	60	No	0.84	1.44	2.63
Juniper	Geode GNS3(S)	WAAS	Yes	No	1	No	1.21	1.95	4.19
Juniper	Geode GNS3(S)	WAAS	Yes	No	5	No	1.21	1.67	3.03

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Juniper	Geode GNS3(S)	WAAS	Yes	No	60	No	1.21	1.5	3.25
Juniper	Mesa	WAAS	No	No	1	No	1.66	6.28	13.16
Juniper	Mesa	WAAS	No	No	5	No	1.38	7.19	10.46
Juniper	Mesa	WAAS	No	No	60	No	2.25	15.28	11.24
Juniper	Mesa 3 (Android)	None	Yes	No	1	No	3.38	7.95	12.01
Juniper	Mesa 3 (Android)	None	Yes	No	5	No	2.93	8.47	11.95
Juniper	Mesa 3 (Android)	None	Yes	No	60	No	3.5	10.19	11.61
Juniper	Mesa 3 (Win10)	None	Yes	No	1	No	3.08	7.61	13.14
Juniper	Mesa 3 (Win10)	None	Yes	No	5	No	1.75	5.64	14.8
Juniper	Mesa 3 (Win10)	None	Yes	No	60	No	1.71	4.82	9.12
Juniper	Mesa2 (NEO-M8T)	None	Yes	No	1	No	1.68	6.26	9.09
Juniper	Mesa2 (NEO-M8T)	None	Yes	No	5	No	1.66	5.79	8.94
Juniper	Mesa2 (NEO-M8T)	None	Yes	No	60	No	2.55	5.9	9.1
Juniper	Mesa2 (NEO-M8T)	WAAS	Yes	No	1	No	1.63	7.33	7.31
Juniper	Mesa2 (NEO-M8T)	WAAS	Yes	No	5	No	1.27	8.43	8.81
Juniper	Mesa2 (NEO-M8T)	WAAS	Yes	No	60	No	1.5	7.83	8.67
LG	VK-815	None	Yes	No	1	No	3.1	8.9	
LG	VK-815	None	Yes	No	5	No	2.42	8.23	
LG	VK-815	None	Yes	No	60	No	4.46	6.78	

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Manufacturer	Model	SBAS	Glonass	Ext. Antenna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Magellan	Explorist 710	None	Yes	No	1	No	5.6	10.36	
Magellan	Explorist 710	None	Yes	No	15	No	6.13	9.39	
Magellan	Explorist 710	WAAS	Yes	No	1	No	4.4	11.22	
Magellan	Explorist 710	WAAS	Yes	No	15	No	4.46	6.76	
Motorola	Moto X Pure	None	No	No	1		8.53	7.91	7.33
Motorola	Moto X Pure	None	No	No	5		7.65	8.04	9.7
Motorola	Moto X Pure	None	No	No	60		4.68	8.8	8.86
Motorola	One 5G	WAAS	Yes	No	1		3.53	4.82	6.62
Motorola	One 5G	WAAS	Yes	No	5		3.16	4.93	6.64
Motorola	One 5G	WAAS	Yes	No	60		3.22	6.2	6.91
Panasonic	Toughbook CF-20	WAAS	Yes	No	1	No	2.67	11.33	
Panasonic	Toughbook CF-20	WAAS	Yes	No	5	No	3.11	14.5	
Panasonic	Toughbook CF-20	WAAS	Yes	No	60	No	2.4	7.93	
Panasonic	Toughpad FZ-M1	None	No	No	1	No	3.21	23.96	29.31
Panasonic	Toughpad FZ-M1	None	No	No	5	No	3.05	24.92	30.54
Panasonic	Toughpad FZ-M1	None	No	No	60	No	4.05	13.75	20.11
Panasonic	Toughpad G1	WAAS	No	No	1	No	2.84	4.98	38.58
Panasonic	Toughpad G1	WAAS	No	No	5	No	2.13	7.35	9.04
Panasonic	Toughpad G1	WAAS	No	No	60	No	2.85	6.24	8.54

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Qstarz	BT-Q1000XT	WAAS	No	No	1	No	1.93	5.4	7.58
Qstarz	BT-Q1000XT	WAAS	No	No	5	No	3.21	5.3	7.53
Qstarz	BT-Q1000XT	WAAS	No	No	60	No	3.05	6.1	7.33
Qstarz	BT-Q818XT	WAAS	No	No	1	No	3.54	4.82	6.67
Qstarz	BT-Q818XT	WAAS	No	No	5	No	3.21	5.61	6.17
Qstarz	BT-Q818XT	WAAS	No	No	60	No	3.92	7.47	11.37
Samsung	Galaxy A51	None	Yes	No	1	No	2.16	7.22	11.25
Samsung	Galaxy A51	None	Yes	No	5	No	1.71	7.73	10.52
Samsung	Galaxy A51	None	Yes	No	60	No	2.19	7.97	9.29
Samsung	Galaxy Book 10	None	Yes	No	1	No	210.74	199.63	250.68
Samsung	Galaxy Book 10	None	Yes	No	5	No	42.68	92.59	90.77
Samsung	Galaxy Book 10	None	Yes	No	60	No	257.76	24.09	30.32
Samsung	Galaxy Note 10	WAAS	Yes	No	1	No	3.05	5.07	8.41
Samsung	Galaxy Note 10	WAAS	Yes	No	5	No	3.39	3.99	11.07
Samsung	Galaxy Note 10	WAAS	Yes	No	60	No	2.16	3.91	7.94
Samsung	Galaxy Note 5	None	Yes	No	1	No	5.05	7.22	11.79
Samsung	Galaxy Note 5	None	Yes	No	5	No	5.3	9.04	12.96
Samsung	Galaxy Note 5	None	Yes	No	60	No	4.8	12.82	15.89
Samsung	Galaxy Note 9	None	Yes	No	1	No	3.96	8.01	10.74

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Samsung	Galaxy Note 9	None	Yes	No	5	No	4.25	6.48	9.95
Samsung	Galaxy Note 9	None	Yes	No	60	No	4.11	6.86	8.98
Samsung	Galaxy Note20 Ultra 5G	WAAS	Yes	No	1	No	1.65	3.54	4.21
Samsung	Galaxy Note20 Ultra 5G	WAAS	Yes	No	5	No	1.66	5.36	3.8
Samsung	Galaxy Note20 Ultra 5G	WAAS	Yes	No	60	No	2.17	4.47	3.69
Samsung	Galaxy S10e	None	Yes	No	1	No	2.86	7.02	18.38
Samsung	Galaxy S10e	None	Yes	No	5	No	3.24	7.06	10.43
Samsung	Galaxy S10e	None	Yes	No	60	No	3.08	8.85	11.28
Samsung	Galaxy S2 9.7" SM-T817V	None	Yes	No	1	No	7.19	8.96	18.96
Samsung	Galaxy S2 9.7" SM-T817V	None	Yes	No	5	No	6.56	7.56	16.59
Samsung	Galaxy S2 9.7" SM-T817V	None	Yes	No	60	No	7.54	15.56	20.42
Samsung	Galaxy S20	WAAS	Yes	No	1	No	2.85	5.25	7.12
Samsung	Galaxy S20	WAAS	Yes	No	5	No	2.48	5.57	6.94
Samsung	Galaxy S20	WAAS	Yes	No	60	No	2.49	5.42	7.66
Samsung	Galaxy S21	WAAS	Yes	No	1		2.95	4.66	5.14
Samsung	Galaxy S21	WAAS	Yes	No	5		2.67	4.87	5.35
Samsung	Galaxy S21	WAAS	Yes	No	60		2.75	5	4.7
Samsung	Galaxy S23	WAAS	Yes	No	1	No	5.67	7.94	5.92
Samsung	Galaxy S23	WAAS	Yes	No	5	No	5.7	5.36	4.11

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Manufacturer	Model	SBAS	Glonass	Ext. Antenna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Samsung	Galaxy S23	WAAS	Yes	No	60	No	5.22	5.13	4.98
Samsung	Galaxy S5	None	Yes	No	1	No	4.7	13.63	15.52
Samsung	Galaxy S5	None	Yes	No	5	No	4.8	13.02	16.34
Samsung	Galaxy S5	None	Yes	No	60	No	6.01	10.96	15.45
Samsung	Galaxy S6 edge+	None	Yes	No	1	No	5.05	10.84	10.15
Samsung	Galaxy S6 edge+	None	Yes	No	5	No	4.59	10.23	13.13
Samsung	Galaxy S6 edge+	None	Yes	No	60	No	5.42	14.29	13.17
Samsung	Galaxy S8	None	Yes	No	1	No	2.66	7.58	10.34
Samsung	Galaxy S8	None	Yes	No	5	No	3.03	6.41	12.49
Samsung	Galaxy S8	None	Yes	No	60	No	2.79	6.05	11.84
Samsung	Galaxy S9	None	Yes	No	1	No	3.44	5.92	9.33
Samsung	Galaxy S9	None	Yes	No	5	No	3.1	6.6	7.43
Samsung	Galaxy S9	None	Yes	No	60	No	3.03	5.05	7.4
Samsung	Galaxy Tab A (SM-360)	None	Yes	No	1	No	3.4	11.42	13.92
Samsung	Galaxy Tab A (SM-360)	None	Yes	No	5	No	3.54	12.69	14.63
Samsung	Galaxy Tab A (SM-360)	None	Yes	No	60	No	3.24	13.61	10.01
Samsung	Galaxy Tab A (SM-T380)	None	Yes	No	1	No	4.84	10.08	13.07
Samsung	Galaxy Tab A (SM-T380)	None	Yes	No	5	No	3.96	10.25	11.57
Samsung	Galaxy Tab A (SM-T380)	None	Yes	No	60	No	3.36	12.68	13.82

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Manufacturer	Model	SBAS	Glonass	Ext. Antenna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Samsung	Galaxy Tab A 7"	None	Yes	No	1	No	2.99	14.64	15.37
Samsung	Galaxy Tab A 7"	None	Yes	No	5	No	4.02	11.96	16.95
Samsung	Galaxy Tab A 7"	None	Yes	No	60	No	4.21	12.95	16.79
Samsung	Galaxy Tab A 7" (2021)	WAAS	Yes	No	1		5.69	6.84	10.27
Samsung	Galaxy Tab A 7" (2021)	WAAS	Yes	No	5		5.51	6.93	11.11
Samsung	Galaxy Tab A 7" (2021)	WAAS	Yes	No	60		4.26	6.28	11.73
Samsung	Galaxy Tab Active	None	Yes	No	1	No	4.76	10.77	15.54
Samsung	Galaxy Tab Active	None	Yes	No	5	No	3.96	7.68	11.26
Samsung	Galaxy Tab Active	None	Yes	No	60	No	5.64	8.88	11.37
Samsung	Galaxy Tab Active Pro 10.1	WAAS	Yes	No	1	No	2.82	6.09	8.34
Samsung	Galaxy Tab Active Pro 10.1	WAAS	Yes	No	5	No	2.58	6.37	8.81
Samsung	Galaxy Tab Active Pro 10.1	WAAS	Yes	No	60	No	3.12	6.63	7.78
Samsung	Galaxy Tab Active2 (SM-T390)	None	Yes	No	1	No	2.89	9.89	9.1
Samsung	Galaxy Tab Active2 (SM-T390)	None	Yes	No	5	No	2.59	10.1	9.72
Samsung	Galaxy Tab Active2 (SM-T390)	None	Yes	No	60	No	3.85	9.68	10.53
Samsung	Galaxy Tab Active3	WAAS	Yes	No	1	No	1.58	6.67	10.67
Samsung	Galaxy Tab Active3	WAAS	Yes	No	5	No	2.23	5.12	10.82

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Manufacturer	Model	SBAS	Glonass	Ext. Antenna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Samsung	Galaxy Tab Active3	WAAS	Yes	No	60	No	2.08	6.12	9.03
Samsung	Galaxy Tab E SM-T567V	None	Yes	No	1	No	2.37	11.51	
Samsung	Galaxy Tab E SM-T567V	None	Yes	No	5	No	2.68	11.05	15.45
Samsung	Galaxy Tab E SM-T567V	None	Yes	No	60	No	2.91	9.93	9.27
Samsung	Galaxy Tab S2 8"	None	Yes	No	1	No	4.9	15.99	14.06
Samsung	Galaxy Tab S2 8"	None	Yes	No	5	No	4.35	16.98	15.95
Samsung	Galaxy Tab S2 8"	None	Yes	No	60	No	3.76	14.15	13.23
Samsung	Galaxy Tab S22	WAAS	Yes	No	1	No	5.25	6.43	12.13
Samsung	Galaxy Tab S22	WAAS	Yes	No	5	No	5.35	6.27	12.18
Samsung	Galaxy Tab S22	WAAS	Yes	No	60	No	4.86	5.72	12.25
Samsung	Galaxy Tab S22 Plus	WAAS	Yes	No	1	No	2.24	5.07	5.91
Samsung	Galaxy Tab S22 Plus	WAAS	Yes	No	5	No	2.48	4.68	6.01
Samsung	Galaxy Tab S22 Plus	WAAS	Yes	No	60	No	2.29	4.59	6.5
Samsung	Galaxy Tab S3	None	Yes	No	1	No	3.41	9.37	12.76
Samsung	Galaxy Tab S3	None	Yes	No	5	No	3.89	11.14	13.32
Samsung	Galaxy Tab S3	None	Yes	No	60	No	3.91	8.58	12.9
Samsung	Galaxy Tab S4	WAAS	Yes	No	1	No	2.92	9.28	10.69
Samsung	Galaxy Tab S4	WAAS	Yes	No	5	No	2.95	10.53	13.05
Samsung	Galaxy Tab S4	WAAS	Yes	No	60	No	3.85	12.89	10.08

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Samsung	Galaxy Tab S5e	None	Yes	No	1	No	3.34	11.45	12.81
Samsung	Galaxy Tab S5e	None	Yes	No	5	No	3.18	10.34	13.09
Samsung	Galaxy Tab S5e	None	Yes	No	60	No	2.4	10.15	12.37
Samsung	Galaxy Tab S6	None	Yes	No	1	No	2.68	15.2	16.2
Samsung	Galaxy Tab S6	None	Yes	No	5	No	2.38	12.23	15.21
Samsung	Galaxy Tab S6	None	Yes	No	60	No	2.22	13.56	15.49
Samsung	Galaxy Tab S7	None	Yes	No	1	No	2.68	6.17	6.71
Samsung	Galaxy Tab S7	None	Yes	No	5	No	2.58	5.25	5.83
Samsung	Galaxy Tab S7	None	Yes	No	60	No	2	5.11	5.21
Samsung	Galaxy XCover Pro	None	Yes	No	1	No	3.55	9.52	8.92
Samsung	Galaxy XCover Pro	None	Yes	No	5	No	3.93	7.84	10.02
Samsung	Galaxy XCover Pro	None	Yes	No	60	No	3.54	9.06	9.36
Samsung	Galaxy XCover6 Pro	None	Yes	No	1	No	3.35	6.41	6.77
Samsung	Galaxy XCover6 Pro	None	Yes	No	5	No	3.08	6.41	5.91
Samsung	Galaxy XCover6 Pro	None	Yes	No	60	No	2.98	6.36	5.59
Samsung	Galaxy Z Flip 3	WAAS	Yes	No	1	No	8.49	16.34	13.48
Samsung	Galaxy Z Flip 3	WAAS	Yes	No	5	No	6.96	14.54	14.06
Samsung	Galaxy Z Flip 3	WAAS	Yes	No	60	No	6.54	16.4	14.89

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Manufacturer	Model	SBAS	Glonass	Ext. Antenna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Trimble	Catalyst DA1 Precision	CORS (MSOL)	Yes	Yes	1	No	0.02		
Trimble	Catalyst DA1 Precision	CORS (MSOL)	Yes	Yes	5	No	0.02		
Trimble	Catalyst DA1 Precision	CORS (MSOL)	Yes	Yes	60	No	0.02		
Trimble	Catalyst DA1 submeter	RTX	No	Yes	1	No	0.5	3.01	4.99
Trimble	Catalyst DA1 submeter	RTX	No	Yes	5	No	0.71	2.55	5.33
Trimble	Catalyst DA1 submeter	RTX	No	Yes	60	No	0.64	3.82	6.38
Trimble	Geo 5T	None	Yes	No	1	No	2.59	2.21	4.58
Trimble	Geo 5T	None	Yes	No	1	Yes	1	3.2	3.82
Trimble	Geo 5T	None	Yes	No	5	No	3.71	1.85	4.17
Trimble	Geo 5T	None	Yes	No	5	Yes	0.55	1.92	7.01
Trimble	Geo 5T	None	Yes	No	60	No	3.86	3.98	4.2
Trimble	Geo 5T	None	Yes	No	60	Yes	0.65	3.2	10.1
Trimble	Geo 5T	WAAS	Yes	No	1	No	0.42	1.37	3.18
Trimble	Geo 5T	WAAS	Yes	No	1	Yes	0.72	4.9	7.23
Trimble	Geo 5T	WAAS	Yes	No	5	No	0.67	2.04	2.53
Trimble	Geo 5T	WAAS	Yes	No	5	Yes	0.36	5.06	6.75
Trimble	Geo 5T	WAAS	Yes	No	60	No	0.68	2.98	4.4

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Trimble	Geo 5T	WAAS	Yes	No	60	Yes	0.28	4.6	5.19
Trimble	Geo 7X	None	Yes	No	1	No	1.77	5.21	5.03
Trimble	Geo 7X	None	Yes	No	1	Yes	0.41	3.17	3.73
Trimble	Geo 7X	None	Yes	No	5	No	1.12	3.16	5.3
Trimble	Geo 7X	None	Yes	No	5	Yes	0.27	1.8	3.81
Trimble	Geo 7X	None	Yes	No	60	No	2.03	6.48	4.76
Trimble	Geo 7X	None	Yes	No	60	Yes	0.24	3.11	3.54
Trimble	Geo 7X	None	Yes	No	180	No			5.94
Trimble	Geo 7X	None	Yes	No	180	Yes			2.88
Trimble	Geo 7X	None	Yes	Yes	1	No	1.82	4.51	3.06
Trimble	Geo 7X	None	Yes	Yes	1	Yes	0.09	1.27	2.29
Trimble	Geo 7X	None	Yes	Yes	5	No	2.16	3.49	2.81
Trimble	Geo 7X	None	Yes	Yes	5	Yes	0.09	1.47	2.1
Trimble	Geo 7X	None	Yes	Yes	60	No	1.64	3.48	2.83
Trimble	Geo 7X	None	Yes	Yes	60	Yes	0.08	1.84	2.55
Trimble	Geo 7X	WAAS	Yes	No	1	No	0.71	1.65	3.76
Trimble	Geo 7X	WAAS	Yes	No	1	Yes	0.46	1.34	3
Trimble	Geo 7X	WAAS	Yes	No	5	No	1.02	2.45	5.49
Trimble	Geo 7X	WAAS	Yes	No	5	Yes	0.3	1.62	4.25

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Trimble	Geo 7X	WAAS	Yes	No	60	No	0.67	2.88	3.49
Trimble	Geo 7X	WAAS	Yes	No	60	Yes	0.28	2.45	2.87
Trimble	Geo 7X	WAAS	Yes	No	180	No			5.94
Trimble	Geo 7X	WAAS	Yes	No	180	Yes			3.79
Trimble	Geo 7X	WAAS	Yes	Yes	1	No	1.26	1.78	2.59
Trimble	Geo 7X	WAAS	Yes	Yes	1	Yes	0.09	1.44	2.76
Trimble	Geo 7X	WAAS	Yes	Yes	5	No	1.42	1.8	3.52
Trimble	Geo 7X	WAAS	Yes	Yes	5	Yes	0.09	1.69	2.6
Trimble	Geo 7X	WAAS	Yes	Yes	60	No	1.56	2.15	4.26
Trimble	Geo 7X	WAAS	Yes	Yes	60	Yes	0.08	1.93	3.8
Trimble	Geo 7X cm edition	WAAS	Yes	No	1	No	1.82		
Trimble	Geo 7X cm edition	WAAS	Yes	No	1	Yes	0.23		
Trimble	Geo 7X cm edition	WAAS	Yes	No	5	No	1.91		
Trimble	Geo 7X cm edition	WAAS	Yes	No	5	Yes	0.23		
Trimble	Geo 7X cm edition	WAAS	Yes	No	60	No	1.89		
Trimble	Geo 7X cm edition	WAAS	Yes	No	60	Yes	0.34		
Trimble	Geo 7X cm edition	WAAS	Yes	Yes	900	No	0.93	1.82	
Trimble	Geo 7X cm edition	WAAS	Yes	Yes	900	Yes	0.07	2.18	
Trimble	Geo 7X cm edition	WAAS	Yes	Yes	1200	No			3.58

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Trimble	Geo 7X cm edition	WAAS	Yes	Yes	1200	Yes			1.73
Trimble	Geo 7X Rangefinder	WAAS	Yes	No	5	No	1.87	3.24	4.09
Trimble	Geo 7X Rangefinder	WAAS	Yes	No	5	Yes	2.3	3.86	5.04
Trimble	Geo XH 6000	None	Yes	No	1	No	1.83	1.95	4.79
Trimble	Geo XH 6000	None	Yes	No	1	Yes	0.21	2.55	3.42
Trimble	Geo XH 6000	None	Yes	No	5	No	1.47	2.6	4.52
Trimble	Geo XH 6000	None	Yes	No	5	Yes	0.28	3.63	4.34
Trimble	Geo XH 6000	None	Yes	No	60	No	1.82	2.02	4.36
Trimble	Geo XH 6000	None	Yes	No	60	Yes	0.22	3.55	4.47
Trimble	Geo XH 6000	None	Yes	Yes	1	No	2.46	3.97	4.96
Trimble	Geo XH 6000	None	Yes	Yes	1	Yes	2.19	2.48	8.18
Trimble	Geo XH 6000	None	Yes	Yes	5	No	2.34	3.54	5.48
Trimble	Geo XH 6000	None	Yes	Yes	5	Yes	2.2	3.03	5.13
Trimble	Geo XH 6000	None	Yes	Yes	60	No	2.95	4.45	3.25
Trimble	Geo XH 6000	None	Yes	Yes	60	Yes	2.2	7.01	7.24
Trimble	Geo XH 6000	WAAS	No	No	1	No	0.58	2.46	3.78
Trimble	Geo XH 6000	WAAS	No	No	1	Yes	0.28	2.91	5.1
Trimble	Geo XH 6000	WAAS	No	No	5	No	0.56	1.68	4.96
Trimble	Geo XH 6000	WAAS	No	No	5	Yes	0.19	4.14	4.36

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Trimble	Geo XH 6000	WAAS	No	No	60	No	0.53	4.69	7.28
Trimble	Geo XH 6000	WAAS	No	No	60	Yes	0.24	4.3	5.52
Trimble	Geo XH 6000	WAAS	No	Yes	1	No	0.98	5.96	3.97
Trimble	Geo XH 6000	WAAS	No	Yes	1	Yes	2.21	4.91	4.33
Trimble	Geo XH 6000	WAAS	No	Yes	5	No	1.16	6.72	6.64
Trimble	Geo XH 6000	WAAS	No	Yes	5	Yes	2.2	7.62	7.17
Trimble	Geo XH 6000	WAAS	No	Yes	60	No	1.2	9.52	7.46
Trimble	Geo XH 6000	WAAS	No	Yes	60	Yes	2.21	11.72	5.84
Trimble	Geo XM 2008 Series	None	No	No	1	No	5.85	5.26	23.17
Trimble	Geo XM 2008 Series	None	No	No	1	Yes	3.81	6.61	7.74
Trimble	Geo XM 2008 Series	None	No	No	5	No	3.93	6.09	9.5
Trimble	Geo XM 2008 Series	None	No	No	5	Yes	2.32	4.2	6.18
Trimble	Geo XM 2008 Series	None	No	No	60	No	3.05	7.15	5.96
Trimble	Geo XM 2008 Series	None	No	No	60	Yes	1.95	6.63	4.46
Trimble	Geo XM 2008 Series	WAAS	No	No	1	No	1.64	8.33	23.89
Trimble	Geo XM 2008 Series	WAAS	No	No	1	Yes	1.25	4.22	8.06
Trimble	Geo XM 2008 Series	WAAS	No	No	5	No	0.93	6.64	14.2
Trimble	Geo XM 2008 Series	WAAS	No	No	5	Yes	1.25	3.94	10.83
Trimble	Geo XM 2008 Series	WAAS	No	No	60	No	3.83	3.96	10.27

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Manufacturer	Model	SBAS	Glonass	Ext. Antenna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Trimble	Geo XM 2008 Series	WAAS	No	No	60	Yes	3.68	4.47	8.36
Trimble	Geo XM 2008 Series	WAAS	No	Yes	1	No	2.28	1.8	10.07
Trimble	Geo XM 2008 Series	WAAS	No	Yes	1	Yes	2.52	2.15	8.16
Trimble	Geo XM 2008 Series	WAAS	No	Yes	5	No	1.23	3.37	7.36
Trimble	Geo XM 2008 Series	WAAS	No	Yes	5	Yes	1.3	3.14	7.52
Trimble	Geo XM 2008 Series	WAAS	No	Yes	60	No	2.58	3.15	8.58
Trimble	Geo XM 2008 Series	WAAS	No	Yes	60	Yes	2.28	2.42	7.6
Trimble	Geo XM 2008 Series	WAAS	No	Yes	180	No		2.87	6.74
Trimble	Geo XM 2008 Series	WAAS	No	Yes	180	Yes		2.83	6.89
Trimble	Geo XT 2008 Series	None	No	No	1	No	1.02	2.67	15.91
Trimble	Geo XT 2008 Series	None	No	No	1	Yes	0.4	1.69	5.62
Trimble	Geo XT 2008 Series	None	No	No	5	No	1.58	2.46	5.03
Trimble	Geo XT 2008 Series	None	No	No	5	Yes	0.35	2.46	3.99
Trimble	Geo XT 2008 Series	None	No	No	60	No	0.58	2.75	6.2
Trimble	Geo XT 2008 Series	None	No	No	60	Yes	0.14	2.12	3.22
Trimble	Geo XT 2008 Series	WAAS	No	No	1	No	0.47	4.42	3.79
Trimble	Geo XT 2008 Series	WAAS	No	No	1	Yes	0.09	1.92	3.79
Trimble	Geo XT 2008 Series	WAAS	No	No	5	No	0.82	2.03	6.76
Trimble	Geo XT 2008 Series	WAAS	No	No	5	Yes	0.26	1.35	6.76

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Manufacturer	Model	SBAS	Glonass	Ext. Antenna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Trimble	Geo XT 2008 Series	WAAS	No	No	60	No	1.01	2.18	4.43
Trimble	Geo XT 2008 Series	WAAS	No	No	60	Yes	0.24	1.39	3.56
Trimble	Geo XT 2008 Series	WAAS	No	Yes	1	No	0.45	1.49	2.24
Trimble	Geo XT 2008 Series	WAAS	No	Yes	1	Yes	0.29	1.34	2.51
Trimble	Geo XT 2008 Series	WAAS	No	Yes	5	No	0.44	1.16	2.84
Trimble	Geo XT 2008 Series	WAAS	No	Yes	5	Yes	0.17	1.39	2.23
Trimble	Geo XT 2008 Series	WAAS	No	Yes	60	No	0.53	1.1	4.07
Trimble	Geo XT 2008 Series	WAAS	No	Yes	60	Yes	0.17	1.72	3.34
Trimble	Geo XT 6000	None	No	No	5	Yes		2.46	
Trimble	Geo XT 6000	None	Yes	No	1	No	3.01	3.6	7.65
Trimble	Geo XT 6000	None	Yes	No	1	Yes	0.79	2.18	4.89
Trimble	Geo XT 6000	None	Yes	No	5	No	2.95	3.5	6.9
Trimble	Geo XT 6000	None	Yes	No	5	Yes	0.5	3.34	5.45
Trimble	Geo XT 6000	None	Yes	No	60	No	2.93	4.04	7.13
Trimble	Geo XT 6000	None	Yes	No	60	Yes	0.41	2.91	6.08
Trimble	Geo XT 6000	None	Yes	Yes	1	No	1.66	3.46	5.77
Trimble	Geo XT 6000	None	Yes	Yes	1	Yes	0.42	1.47	4.54
Trimble	Geo XT 6000	None	Yes	Yes	5	No	1.74	2.84	6.17
Trimble	Geo XT 6000	None	Yes	Yes	5	Yes	0.51	1.75	5.23

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Manufacturer	Model	SBAS	Glonass	Ext. Antenna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Trimble	Geo XT 6000	None	Yes	Yes	60	No	1.74	3.61	5.02
Trimble	Geo XT 6000	None	Yes	Yes	60	Yes	0.61	2.18	5.94
Trimble	Geo XT 6000	WAAS	No	No	1	No	1.25	2.17	5.59
Trimble	Geo XT 6000	WAAS	No	No	1	Yes	0.49	2.39	4.76
Trimble	Geo XT 6000	WAAS	No	No	5	No	0.74	2.94	6.32
Trimble	Geo XT 6000	WAAS	No	No	5	Yes	0.44	2.82	4.93
Trimble	Geo XT 6000	WAAS	No	No	60	No	0.77	3.53	5.86
Trimble	Geo XT 6000	WAAS	No	No	60	Yes	0.53	2.56	5.34
Trimble	Geo XT 6000	WAAS	No	Yes	1	No	1.5	2.26	4.8
Trimble	Geo XT 6000	WAAS	No	Yes	1	Yes	0.39	2.13	3.56
Trimble	Geo XT 6000	WAAS	No	Yes	5	No	0.76	1.89	5.01
Trimble	Geo XT 6000	WAAS	No	Yes	5	Yes	0.81	2.16	4.05
Trimble	Geo XT 6000	WAAS	No	Yes	60	No	0.9	5.58	5.78
Trimble	Geo XT 6000	WAAS	No	Yes	60	Yes	0.56	4.4	5.75
Trimble	GeoExplorer XM	None	No	No	1	No	8.47	14.15	14.11
Trimble	GeoExplorer XM	None	No	No	1	Yes	2.03	4.34	6.03
Trimble	GeoExplorer XM	None	No	No	5	No	6.53	12.08	13.91
Trimble	GeoExplorer XM	None	No	No	5	Yes	1.18	3.8	5
Trimble	GeoExplorer XM	None	No	No	60	No	4.07	6.4	3.55

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Trimble	GeoExplorer XM	None	No	No	60	Yes	2.44	3.69	5.68
Trimble	GeoExplorer XT	None	No	No	1	No	3.89	11.07	15.9
Trimble	GeoExplorer XT	None	No	No	1	Yes	1.08	3.04	8.44
Trimble	GeoExplorer XT	None	No	No	5	No	3.59	4.3	12.01
Trimble	GeoExplorer XT	None	No	No	5	Yes	1.19	2.65	
Trimble	GeoExplorer XT	None	No	No	60	No	3.39	4.58	9.44
Trimble	GeoExplorer XT	None	No	No	60	Yes	1.64	3	4.03
Trimble	GeoExplorer XT	WAAS	No	No	1	No	2.38		3.96
Trimble	GeoExplorer XT	WAAS	No	No	1	Yes	1.34		
Trimble	GeoExplorer XT	WAAS	No	No	5	No	1.8	1.18	
Trimble	GeoExplorer XT	WAAS	No	No	5	Yes	1.19		
Trimble	GeoExplorer XT	WAAS	No	No	60	No	1.41	1.28	
Trimble	GeoExplorer XT	WAAS	No	No	60	Yes	1.26		
Trimble	Juno 3B	None	No	No	1	No	4.35	11.8	9.41
Trimble	Juno 3B	None	No	No	1	Yes	1.66	9.93	10.13
Trimble	Juno 3B	None	No	No	5	No	2.84	5.65	8.99
Trimble	Juno 3B	None	No	No	5	Yes	1.49	7.92	10.28
Trimble	Juno 3B	None	No	No	60	No	4.56	6.42	13.12
Trimble	Juno 3B	None	No	No	60	Yes	3.03	12.92	10.61

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Trimble	Juno 3B	WAAS	No	No	1	No	2.23	18.97	15.77
Trimble	Juno 3B	WAAS	No	No	1	Yes	1.97	19.97	10.54
Trimble	Juno 3B	WAAS	No	No	5	No	2.31	7.31	9.6
Trimble	Juno 3B	WAAS	No	No	5	Yes	1.78	8.31	10.84
Trimble	Juno 3B	WAAS	No	No	60	No	2.55	10.97	13.95
Trimble	Juno 3B	WAAS	No	No	60	Yes	2.79	12.15	14.04
Trimble	Juno 5B	None	No	No	1	No	2.02	4.43	9.99
Trimble	Juno 5B	None	No	No	1	Yes	1	4.05	5.7
Trimble	Juno 5B	None	No	No	5	No	1.44	4.69	5.2
Trimble	Juno 5B	None	No	No	5	Yes	1.03	5.53	4.84
Trimble	Juno 5B	None	No	No	60	No	2.37	7.74	6.53
Trimble	Juno 5B	None	No	No	60	Yes	0.83	8.75	8.31
Trimble	Juno 5B	WAAS	No	No	1	No	1.1	8.95	10.77
Trimble	Juno 5B	WAAS	No	No	1	Yes	1.59	4.46	8.83
Trimble	Juno 5B	WAAS	No	No	5	No	1.5	5.18	7.07
Trimble	Juno 5B	WAAS	No	No	5	Yes	1.81	4.75	6.36
Trimble	Juno 5B	WAAS	No	No	60	No	1.2	9.97	12.45
Trimble	Juno 5B	WAAS	No	No	60	Yes	1.72	8.35	17.99
Trimble	Juno 5B enhanced	None	No	No	1	No	2.38	5.21	7.38

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Trimble	Juno 5B enhanced	None	No	No	1	Yes	0.34	3.17	7.07
Trimble	Juno 5B enhanced	None	No	No	5	No	2.31	6.4	10.5
Trimble	Juno 5B enhanced	None	No	No	5	Yes	0.54	5.96	12.6
Trimble	Juno 5B enhanced	None	No	No	60	No	2.34	6.48	7.24
Trimble	Juno 5B enhanced	None	No	No	60	Yes	0.48	3.11	7.74
Trimble	Juno 5B enhanced	WAAS	No	No	1	No	0.53	1.65	6.42
Trimble	Juno 5B enhanced	WAAS	No	No	1	Yes	0.49	1.34	6.88
Trimble	Juno 5B enhanced	WAAS	No	No	5	No	1.39	5.74	9.99
Trimble	Juno 5B enhanced	WAAS	No	No	5	Yes	0.53	4.82	11.91
Trimble	Juno 5B enhanced	WAAS	No	No	60	No	0.66	2.88	8.32
Trimble	Juno 5B enhanced	WAAS	No	No	60	Yes	0.5	2.45	13.18
Trimble	Juno SB	WAAS	No	No	1	No	3.34	6.53	5.17
Trimble	Juno SB	WAAS	No	No	1	Yes	0.99	6.37	7.22
Trimble	Juno SB	WAAS	No	No	5	No	3.17	6.76	10.28
Trimble	Juno SB	WAAS	No	No	5	Yes	1.54	6.76	9.6
Trimble	Juno SB	WAAS	No	No	60	No	3.23	5.37	11.66
Trimble	Juno SB	WAAS	No	No	60	Yes	2.05	5.5	10.37
Trimble	Juno SB	WAAS	No	No	180	No	2.26	8.06	8.67
Trimble	Juno SB	WAAS	No	No	180	Yes	1.2	8.14	7.21

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Trimble	Juno ST	None	No	No	1	No		28.18	
Trimble	Juno ST	None	No	No	1	Yes		25.35	9.88
Trimble	Juno ST	None	No	No	5	No		9	
Trimble	Juno ST	None	No	No	5	Yes		11.73	
Trimble	Juno ST	None	No	No	60	No		18.81	20.51
Trimble	Juno ST	None	No	No	60	Yes	4.01	13.02	8.96
Trimble	Juno ST	WAAS	No	No	60	No	4.04		9.14
Trimble	Juno ST	WAAS	No	No	60	Yes	8.17	8.43	10.23
Trimble	Kenai	None	Yes	No	1	No	1.01	8.2	10.15
Trimble	Kenai	None	Yes	No	5	No	1.08	6.74	10.79
Trimble	Kenai	None	Yes	No	60	No	1.2	5.51	8.84
Trimble	Kenai	WAAS	Yes	No	1	No	1.23	7.03	10.4
Trimble	Kenai	WAAS	Yes	No	5	No	1.22	6.33	8.7
Trimble	Kenai	WAAS	Yes	No	60	No	1.78	5.07	8.49
Trimble	Nomad 5	WAAS	Yes	No	1	No	2.11	4.66	8.28
Trimble	Nomad 5	WAAS	Yes	No	5	No	2.04	3.63	7.04
Trimble	Nomad 5	WAAS	Yes	No	60	No	1.82	4.38	5.65
Trimble	Nomad 5 with EM100	WAAS	Yes	Yes	1	No	0.94	2.09	3.97
Trimble	Nomad 5 with EM100	WAAS	Yes	Yes	5	No	0.87	2.32	5.06

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Trimble	Nomad 5 with EM100	WAAS	Yes	Yes	60	No	1.12	2.51	2.69
Trimble	Nomad 900	None	No	No	1	No	3.68	21.16	12.24
Trimble	Nomad 900	None	No	No	1	Yes	5.15	6.36	10.08
Trimble	Nomad 900	None	No	No	5	No	6.24	12.02	17.45
Trimble	Nomad 900	None	No	No	5	Yes	4.92	8.15	13.35
Trimble	Nomad 900	None	No	No	60	No	4.2	5.59	16.9
Trimble	Nomad 900	None	No	No	60	Yes	3.08	10.11	17.16
Trimble	Nomad 900	WAAS	No	No	1	No	2.98	17.83	7.41
Trimble	Nomad 900	WAAS	No	No	1	Yes	2.84	7.7	16.64
Trimble	Nomad 900	WAAS	No	No	5	No	3.68	14.42	8.36
Trimble	Nomad 900	WAAS	No	No	5	Yes	1.85	10.42	13.81
Trimble	Nomad 900	WAAS	No	No	60	No	4.28	7.9	13.3
Trimble	Nomad 900	WAAS	No	No	60	Yes	3.1	9.03	13.3
Trimble	Pro 6T	None	Yes	No	1	No	1.5	4.8	8.62
Trimble	Pro 6T	None	Yes	No	1	Yes	0.32	1.94	3.62
Trimble	Pro 6T	None	Yes	No	5	No	1.19	3.4	8.49
Trimble	Pro 6T	None	Yes	No	5	Yes	0.31	2.44	2.84
Trimble	Pro 6T	None	Yes	No	60	No	1.08	2.73	7.57
Trimble	Pro 6T	None	Yes	No	60	Yes	0.63	1.3	7.04

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Trimble	Pro 6T	WAAS	No	No	1	No	0.77	2.25	4.61
Trimble	Pro 6T	WAAS	No	No	1	Yes	0.6	1.66	3.45
Trimble	Pro 6T	WAAS	No	No	5	No	0.68	3.52	4.17
Trimble	Pro 6T	WAAS	No	No	5	Yes	0.63	2.39	3.36
Trimble	Pro 6T	WAAS	No	No	60	No	0.64	1.36	3
Trimble	Pro 6T	WAAS	No	No	60	Yes	0.31	1.46	2.78
Trimble	Pro XH	Beacon	No	Yes	60	No			3.09
Trimble	Pro XH	Beacon	No	Yes	60	Yes			3.98
Trimble	Pro XH	None	No	Yes	1	No	1.52	3.27	13.33
Trimble	Pro XH	None	No	Yes	1	Yes	0.11	3.88	10.01
Trimble	Pro XH	None	No	Yes	5	No	1.57	3.96	8.49
Trimble	Pro XH	None	No	Yes	5	Yes	0.1	3.48	6.27
Trimble	Pro XH	None	No	Yes	60	No	1.54	3.16	6.88
Trimble	Pro XH	None	No	Yes	60	Yes	0.19	3.05	14.09
Trimble	Pro XH	None	No	Yes	120	No			3.34
Trimble	Pro XH	None	No	Yes	120	Yes			3.87
Trimble	Pro XH	None	No	Yes	240	No			4.14
Trimble	Pro XH	None	No	Yes	240	Yes			4.15
Trimble	Pro XH	None	No	Yes	500	No		4.5	

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Manufacturer	Model	SBAS	Glonass	Ext. Antenna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Trimble	Pro XH	None	No	Yes	500	Yes		2.81	
Trimble	Pro XH	WAAS	No	Yes	1	No	0.89	3.2	4.25
Trimble	Pro XH	WAAS	No	Yes	1	Yes	0.09	3.14	3.94
Trimble	Pro XH	WAAS	No	Yes	5	No	0.64	2.62	4.73
Trimble	Pro XH	WAAS	No	Yes	5	Yes	0.12	4.57	6.02
Trimble	Pro XH	WAAS	No	Yes	60	No	0.78	3.44	9.08
Trimble	Pro XH	WAAS	No	Yes	60	Yes	0.17	2.58	4.92
Trimble	Pro XRT	None	Yes	Yes	1	No	1.5	4.16	8.15
Trimble	Pro XRT	None	Yes	Yes	1	Yes	0.22	1.7	4.67
Trimble	Pro XRT	None	Yes	Yes	5	No	1.47	2.56	5.03
Trimble	Pro XRT	None	Yes	Yes	5	Yes	0.19	1.09	5.98
Trimble	Pro XRT	None	Yes	Yes	60	No	1.95	4.68	7.11
Trimble	Pro XRT	None	Yes	Yes	60	Yes	0.19	2.76	7.48
Trimble	Pro XRT	WAAS	No	Yes	1	No	0.7	2.68	12.54
Trimble	Pro XRT	WAAS	No	Yes	1	Yes	0.15	1.26	11.79
Trimble	Pro XRT	WAAS	No	Yes	5	No	0.64	3.29	6.35
Trimble	Pro XRT	WAAS	No	Yes	5	Yes	0.09	1.91	6.02
Trimble	Pro XRT	WAAS	No	Yes	60	No	0.72	3.48	6.74
Trimble	Pro XRT	WAAS	No	Yes	60	Yes	0.11	1.96	4.65

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Trimble	Pro XT	None	No	No	1	No	1.49	4.27	7.2
Trimble	Pro XT	None	No	No	1	Yes	0.73	2.09	7.06
Trimble	Pro XT	None	No	No	5	No	1.89	3.87	6.73
Trimble	Pro XT	None	No	No	5	Yes	0.78	1.91	5.98
Trimble	Pro XT	None	No	No	60	No	2.46	3.92	7.42
Trimble	Pro XT	None	No	No	60	Yes	0.47	2.5	6.04
Trimble	Pro XT	None	No	Yes	1	No	0.85		
Trimble	Pro XT	None	No	Yes	1	Yes	0.43		
Trimble	Pro XT	None	No	Yes	5	No	0.7		
Trimble	Pro XT	None	No	Yes	5	Yes	0.74		
Trimble	Pro XT	None	No	Yes	60	No	0.91		
Trimble	Pro XT	None	No	Yes	60	Yes	0.27		
Trimble	Pro XT	WAAS	No	No	1	No	0.94	2.04	4.49
Trimble	Pro XT	WAAS	No	No	1	Yes	0.46	3.2	4.11
Trimble	Pro XT	WAAS	No	No	5	No	0.94	2.96	5.92
Trimble	Pro XT	WAAS	No	No	5	Yes	0.33	2.43	4.97
Trimble	Pro XT	WAAS	No	No	60	No	1.04	2.62	3.69
Trimble	Pro XT	WAAS	No	No	60	Yes	0.51	1.55	3.73
Trimble	Pro XT	WAAS	No	Yes	1	No	0.66		

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Manufacturer	Model	SBAS	Glonass	Ext. Antenna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Trimble	Pro XT	WAAS	No	Yes	1	Yes	0.4		
Trimble	Pro XT	WAAS	No	Yes	5	No	0.65		
Trimble	Pro XT	WAAS	No	Yes	5	Yes	0.28		
Trimble	Pro XT	WAAS	No	Yes	60	No	0.46		
Trimble	Pro XT	WAAS	No	Yes	60	Yes	0.45		
Trimble	R1 GNSS	None	Yes	No	1	No	0.72	3.36	5.42
Trimble	R1 GNSS	None	Yes	No	1	Yes	0.24	6.67	21.84
Trimble	R1 GNSS	None	Yes	No	5	No	0.84	2.64	4.99
Trimble	R1 GNSS	None	Yes	No	5	Yes	0.19	4.39	10.24
Trimble	R1 GNSS	None	Yes	No	60	No	0.96	3.23	5.49
Trimble	R1 GNSS	None	Yes	No	60	Yes	0.25	2.96	5.76
Trimble	R1 GNSS	WAAS	Yes	No	1	No	0.65	1.62	3.18
Trimble	R1 GNSS	WAAS	Yes	No	1	Yes	0.3	4.82	19.75
Trimble	R1 GNSS	WAAS	Yes	No	5	No	1.27	2.76	5.29
Trimble	R1 GNSS	WAAS	Yes	No	5	Yes	0.37	4.16	9.54
Trimble	R1 GNSS	WAAS	Yes	No	60	No	0.68	2.57	3.32
Trimble	R1 GNSS	WAAS	Yes	No	60	Yes	0.25	2.57	4.59
Trimble	R1 GNSS (2020)	WAAS	Yes	No	1	No	1.31	3.17	4.7
Trimble	R1 GNSS (2020)	WAAS	Yes	No	5	No	1.16	3.36	4.31

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Trimble	R1 GNSS (2020)	WAAS	Yes	No	60	No	1.16	2.48	6.17
Trimble	R1 GNSS (2020)	WAAS	Yes	Yes	1	No	0.85	1.56	4.15
Trimble	R1 GNSS (2020)	WAAS	Yes	Yes	5	No	0.94	2.15	4.32
Trimble	R1 GNSS (2020)	WAAS	Yes	Yes	60	No	1.14	2.24	3.35
Trimble	R1 GNSS with RTX	None	Yes	No	1	No	0.81	2.4	6.58
Trimble	R1 GNSS with RTX	None	Yes	No	1	Yes	0.26	27.84	8.44
Trimble	R1 GNSS with RTX	None	Yes	No	5	No	0.8	3.29	6.16
Trimble	R1 GNSS with RTX	None	Yes	No	5	Yes	0.42	67.74	10.01
Trimble	R1 GNSS with RTX	None	Yes	No	60	No	0.87	5.53	17.76
Trimble	R1 GNSS with RTX	None	Yes	No	60	Yes	0.31	3.13	8.14
Trimble	R1 GNSS with RTX	None	Yes	No	180	No			7.1
Trimble	R1 GNSS with RTX	None	Yes	No	180	Yes			5.58
Trimble	R2 GNSS	None	Yes	No	1	No	1.33	3.85	3.54
Trimble	R2 GNSS	None	Yes	No	1	Yes	0.08	2.27	3.67
Trimble	R2 GNSS	None	Yes	No	5	No	0.97	4.2	3.23
Trimble	R2 GNSS	None	Yes	No	5	Yes	0.08	2.43	2.6
Trimble	R2 GNSS	None	Yes	No	60	No	1.03	4.43	4.14
Trimble	R2 GNSS	None	Yes	No	60	Yes	0.08	2.02	3.37
Trimble	R2 GNSS	WAAS	No	No	1	No	1.11	3.43	3.28

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Trimble	R2 GNSS	WAAS	No	No	5	No	1.26	2.6	3.73
Trimble	R2 GNSS	WAAS	No	No	60	No	1.45	2.02	4.67
Trimble	R2 GNSS	WAAS	Yes	No	1	Yes	0.08	2.73	4.78
Trimble	R2 GNSS	WAAS	Yes	No	5	Yes	0.08	2.18	4.01
Trimble	R2 GNSS	WAAS	Yes	No	60	Yes	0.08	1.85	6.15
Trimble	Ranger 7	WAAS	Yes	No	1	No	2.83	11.79	9.77
Trimble	Ranger 7	WAAS	Yes	No	5	No	3.05	13.07	11.46
Trimble	Ranger 7	WAAS	Yes	No	60	No	2.5	13.16	12.96
Trimble	T10	None	Yes	No	1	No	3.64	10.38	14.12
Trimble	T10	None	Yes	No	5	No	3.89	8.94	13.4
Trimble	T10	None	Yes	No	60	No	3.83	10.25	9.39
Trimble	T10	WAAS	Yes	No	1	No	3.12	11.41	11.52
Trimble	T10	WAAS	Yes	No	5	No	3.53	9.29	13.99
Trimble	T10	WAAS	Yes	No	60	No	3.61	10.25	10.96
Trimble	TDC100	None	Yes	No	1	No	4.53	9.75	12
Trimble	TDC100	None	Yes	No	5	No	3.99	11.3	12.53
Trimble	TDC100	None	Yes	No	60	No	3.59	8.39	11.72
Trimble	TDC100	WAAS	Yes	No	1	No	1.38	9.5	13.76
Trimble	TDC100	WAAS	Yes	No	5	No	1.54	9.44	14.06

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Manufacturer	Model	SBAS	Glonass	Ext. Antanna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Trimble	TDC100	WAAS	Yes	No	60	No	1.75	7.91	10.02
Trimble	TDC600	WAAS	Yes	No	1	No	1.48	7.53	8.97
Trimble	TDC600	WAAS	Yes	No	5	No	1.38	7.38	10.36
Trimble	TDC600	WAAS	Yes	No	60	No	1.34	6.23	5.64
Trimble	Yuma	WAAS	No	No	1	No	3.09	9.89	12.1
Trimble	Yuma	WAAS	No	No	5	No	3.54	12.87	18.29
Trimble	Yuma	WAAS	No	No	60	No	4.26	10.22	17.73
Trimble	Yuma 2	WAAS	No	No	1	No	0.79	4.08	11.97
Trimble	Yuma 2	WAAS	No	No	5	No	1.45	5.1	6.94
Trimble	Yuma 2	WAAS	No	No	60	No	1.81	6.24	9.55
VIASAT	Sub-X	None	No	Yes	1	No	3.94	3.05	6.21
VIASAT	Sub-X	None	No	Yes	1	Yes	0.38	3.68	5.7
VIASAT	Sub-X	None	No	Yes	5	No	5.54	4.59	7.86
VIASAT	Sub-X	None	No	Yes	5	Yes	0.22	4.81	6.21
VIASAT	Sub-X	None	No	Yes	60	No	3.94	6.25	9.85
VIASAT	Sub-X	None	No	Yes	60	Yes	0.24	3.38	5.24
Xiaomi	Mi 8	multi	Yes	No	1	No	1.85	5.54	4.98
Xiaomi	Mi 8	multi	Yes	No	5	No	2	5.74	7.94
Xiaomi	Mi 8	multi	Yes	No	60	No	2.42	5.65	5.61

\*Some results are an average of more than 1 test run. Data is collected after allowing sufficient time for the GPS device to acquire a current almanac and ephemeris data.

Manufacturer	Model	SBAS	Glonass	Ext. Antenna	Position	Post Process	Tested Accuracies By Canopy Type (NSSDA = horiz RMS x 1.7308)		
							Open NSSDA	Light - Medium NSSDA	Heavy - Closed NSSDA
Xiaomi	Mi 9	None	Yes	No	1	No	4.3	5.1	6.72
Xiaomi	Mi 9	None	Yes	No	5	No	3.95	4.44	9.33
Xiaomi	Mi 9	None	Yes	No	60	No	4.1	5.27	12.03
Xplore	Xslate B10	WAAS	Yes	No	1	No	1.09	6.98	12.79
Xplore	Xslate B10	WAAS	Yes	No	5	No	1.56	8.31	13.56
Xplore	Xslate B10	WAAS	Yes	No	60	No	1.59	9.65	9.54

\*Some results are an average of more than 1 test run. Data is collected after allowing sufficient time for the GPS device to acquire a current almanac and ephemeris data.