

SARL VHF/UHF/SHF Country Leaderboard - Top 5 per propagation

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CALLSIGN AREA	PROPAGATION	BAND	MODE	STATION A	STATION B	LOCATORS	DATE	DISTANCE
40 MHz Digital								
ZS3	F2	40 MHz	FT8	V51PJ/ZS3	WM2XEJ	JG81KV ->	EM83HH 28-10-2023	12 559,2 km
ZS3	F2	40 MHz	FT8	V51PJ/ZS3	VA2CYX	JG81KV ->	FN46LN 03-11-2023	12 098,1 km
ZS2	Meteor Scatter	40 MHz	FSK441	ZS2ACP	ZS6WAB	KF26SA ->	KG46RB 06-09-2015	1 176,3 km
ZS6	Meteor Scatter	40 MHz	FSK441	ZS6WAB	ZS2ACP	KG46RB ->	KF26SA 06-09-2015	1 176,3 km
ZS4	TEP	40 MHz	FT8	ZS4TX	EI2IP	KG30AU ->	IO52QJ 31-01-2023	9 673 km
ZS6	TEP	40 MHz	FT8	ZS6OB	EI9KP	KG44DE ->	IO54MB 21-04-2022	9 563,9 km
ZS3	TEP	40 MHz	FT8	V51PJ/ZS3	EI4GNB	JG81KV ->	JIO63WE 03-12-2023	9 309,2 km
ZS3	TEP	40 MHz	FT8	V51PJ/ZS3	EI2IP	JG81KV ->	IO52MM 03-11-2023	9 307 km
ZS3	TEP	40 MHz	FT8	V51PJ/ZS3	EI4GEB	JG81KV ->	IO52RN 03-11-2023	9 303,9 km
ZS6	Tropo / Inland	40 MHz	FSK441	ZS6BTE	ZS6WAB	KG33XV ->	KG46RB 16-08-2015	283,7 km
50 MHz Analogue								
ZS6	F2 / Long Path	50 MHz	SSB	ZS6NK	3D2AG	KG46RC ->	RH91FV 07-04-2023	25 745 km
ZS6	F2 / Long Path	50 MHz	SSB	ZS6AYE	E51CG	KG54ML ->	BG08CT 11-03-2014	25 293 km
ZS6	F2 / Long Path	50 MHz	SSB	ZS6TQ	E51CG	KG55LP ->	BG08CT 03-04-2014	25 165 km
ZS6	F2 / Long Path	50 MHz	SSB	ZS4TX/6	E51CG	KG55LP ->	BG08CT 03-04-2014	25 165 km
ZS6	F2 / Long Path	50 MHz	SSB	ZS6WN	E51CG	KG46SC ->	BG08CT 03-04-2014	25 085 km
ZS2	Meteor Scatter	50 MHz	SSB	ZR2DX	TO4E	KF26TA ->	LG07EQ 06-12-2003	1 937,7 km
ZS5	Meteor Scatter	50 MHz	SSB	ZS5DJ	7Q7JL	KF59IA ->	KH74MG 28-03-1993	1 745,5 km
ZS4	Meteor Scatter	50 MHz	CW	ZS4S	ZS9A	KG41NR ->	JG77GB 03-11-1991	1 578,1 km
ZS6	Meteor Scatter	50 MHz	SSB	ZS6AYE	ZS9A	KG34IL ->	JG77GB 20-09-1992	1 267,9 km
ZS1	Meteor Scatter	50 MHz	SSB	ZS1EK	ZS6OB	JF95FU ->	KG44CC 11-05-1986	1 239,5 km
ZS6	Sporadic E	50 MHz	CW	ZS6PJS (ZS6NK)	9U5D	KG46RC ->	KI46GO 05-03-2000	2 270,2 km
ZS5	Sporadic E	50 MHz	SSB	ZS5DJ	ZR1BCE/8	KF59IA ->	KE83WC 14-11-1995	1 871 km
ZS3	Sporadic E	50 MHz	AM	ZS3G	ZS2CY	JH80UR ->	KF26TA 17-11-1957	1 808,6 km
ZS2	Sporadic E	50 MHz	AM	ZS2CY	ZS3G	KF26TA ->	JH80UR 17-11-1957	1 808,6 km
ZS2	Sporadic E	50 MHz	SSB/FM	ZS2FM	ZS8MI	KF26TA ->	KE83WC 11-12-1989	1 766,7 km
ZS4	TEP	50 MHz	SSB	ZS4TX	GM0GAV	KG30BV ->	IO86JK 28-10-2012	9 875,4 km
ZS4	TEP	50 MHz	SSB	ZS4S	GI8YDZ	KG41NR ->	IO65QF 26-02-1989	9 859,4 km

CALLSIGN AREA	PROPAGATION	BAND	MODE	STATION A	STATION B	LOCATORS		DATE	DISTANCE
ZS4	TEP	50 MHz	SSB	ZS6PJS/4 (ZS6NK)	GI00TC	KG30FX	->	IO65QE 05-04-1991	9 849,5 km
ZS4	TEP	50 MHz	SSB	ZS4NS	OH1FA	KG32LA	->	KP10QL 26-02-1989	9 807,9 km
ZS4	TEP	50 MHz	SSB	ZS4TX	OZ1BTE	KG30BV	->	JO66CE 28-10-2012	9 541,7 km
ZS2	Tropo / East coast	50 MHz	CW	ZS2BE	ZS8MI	KF26SA	->	KE83WC 08-12-1989	1 770,8 km
ZS2	Tropo / East coast	50 MHz	SSB	ZS2FM	ZS8MI	KF26TA	->	KE83WC 11-12-1989	1 766,7 km
ZS1	Tropo / Inland	50 MHz	SSB	ZS1NAZ	ZS6TWB/P	JF96GC	->	KG47WA 22-01-2005	1 639,6 km
ZS6	Tropo / Inland	50 MHz	SSB	ZS6TWB/p	ZS1NAZ	KG47WA	->	JF96GC 22-01-2005	1 639,6 km
ZS6	Tropo / Inland	50 MHz	SSB	ZS6PJS (ZS6NK)	ZS9H	KG46RC	->	JG77GB 29-09-1991	1 527,6 km
Digital									
ZS6	Aircraft Scatter / Enhanced	50 MHz	FSK441	ZS6OB	ZS1AX	KG44CC	->	JF96IB 17-01-2015	1 278,5 km
ZS4	EME	50 MHz	Q65a	ZS4TX	KH6Y	KG30BX	->	BL10TS 17-05-2022	19 063,8 km
ZS5	EME	50 MHz	JT65a	ZS5Y	K6MYC	KF59IR	->	DM07BD 04-04-2012	17 208,7 km
ZS5	EME	50 MHz	JT65a	ZS5LEE	K6MYC	KG50JF	->	DM07BD 28-04-2005	17 190,5 km
ZS6	EME	50 MHz	JT65a	ZS6NK	K6QXY	KG46RC	->	CM88QL 25-02-2005	16 926,8 km
ZS6	EME	50 MHz	JT65a	ZS6NK	W6XU	KG47LI	->	CM88MJ 13-08-2018	16 830,2 km
ZS6	F2 / Long Path	50 MHz	FT8	ZS4TX/6	ZL1RS	KG47LI	->	RF64VS 14-03-2025	27 400 km
ZS6	F2 / Long Path	50 MHz	FT8	ZS6NK	3D2AG	KG46RC	->	RH91FV 07-04-2023	25 745 km
ZS4	F2 / Long Path	50 MHz	FT8	ZS4TX/6	3D2AG	KG47UR	->	RH91FV 07-04-2023	25 678 km
ZS6	F2 / Long Path	50 MHz	FT8	ZS4TX/6	E51EME	KG47UR	->	BG08CS 07-09-2024	24 931 km
ZS6	F2 / Short Path	50 MHz	FT8	ZS6NK	AH7C	KG46RC	->	BL11BJ 06-04-2025	19 213,4 km
ZS1	Iono Scatter	50 MHz	JT44	ZR1AEE	ZS6NK	JF96IA	->	KG46RC 16-04-2002	1 531,4 km
ZS6	Iono Scatter	50 MHz	JT44	ZS6NK	ZS1AEE	KG46RC	->	JF96IA 16-04-2002	1 531,4 km
ZS6	Meteor Scatter	50 MHz	FSK441	ZS6AYE	D64K	KG54ML	->	LH18PJ 14-08-2012	2 012,6 km
ZS4	Meteor Scatter	50 MHz	FSK441	ZS4TX	9J2JD	KG30BW	->	KH37XJ 17-07-2005	1 839,9 km
ZS5	Meteor Scatter	50 MHz	MSK144	ZS5Y	V51DM	KF59IR	->	JG77II 30-01-2021	1 801,5 km
ZS2	Meteor Scatter	50 MHz	MSK144	ZS2ACP	V51DM	KF26sa	->	JG77ii 03-01-2021	1 644,7 km
ZS6	Meteor Scatter	50 MHz	MSK144	ZS6NK/6	ZS1TA	KG47LI	->	JF95FX 07-08-2022	1 627,7 km
ZS6	Sporadic E	50 MHz	FT8	ZS6NK	9X2AW	KG47LI	->	KI58AB 11-09-2025	2 305,6 km
ZS6	Sporadic E	50 MHz	FT8	ZS6NK	5H1KB	KG46RC	->	KI94PG 27-04-2025	2 277,4 km
ZS6	Sporadic E	50 MHz	FT8	ZS6WN	5H1KB	KG46SC	->	KI94PG 27-04-2025	2 273,3 km
ZS6	Sporadic E	50 MHz	FT8	ZS4TX/6	5H8HZ	KG47LI	->	KI64JX 07-09-2025	2 002,6 km
ZS1	TEP	50 MHz	JT65a	ZR1ADI	G8BCG	JF95KU	->	IO70RK 18-03-2014	9 648,2 km
ZS5	TEP	50 MHz	JT44	ZS5Y	S57RR	KF59IR	->	JN65UM 17-11-2011	8 567 km
ZS5	TEP	50 MHz	JT44	ZS5Y	EA3AKY	KF59IR	->	JN11AK 17-11-2011	8 468,6 km

CALLSIGN AREA	PROPAGATION	BAND	MODE	STATION A	STATION B	LOCATORS		DATE		DISTANCE
ZS5	TEP	50 MHz	JT44	ZS5Y	EA3GP	KF59IR	->	JN01SF	17-11-2011	8 465,7 km
ZS5	TEP	50 MHz	JT44	ZS5Y	IZ5BRW	KF59IR	->	JN53OP	17-11-2011	8 422,4 km
ZS6	Tropo / Inland	50 MHz	JT65a	ZS6NK	FT4JA	KG46RC	->	LH12IW	05-04-2016	1 574,2 km
ZS6	Tropo / Inland	50 MHz	JT44	ZS6NK	ZR1ADI	KG46RC	->	JF95JV	01-05-2002	1 535,7 km
ZS1	Tropo / Inland	50 MHz	JT44	ZR1ADI	ZS6NK	JF95JV	->	KG46RC	01-05-2002	1 535,7 km
ZS6	Tropo / Inland	50 MHz	JT65a	ZS4TX/6	FT4JA	KG47UR	->	LH12IW	05-04-2016	1 478,4 km
ZS6	Tropo / Inland	50 MHz	JT44	ZS6WB	ZR1AEE	KG44EE	->	JF96IA	06-06-2016	1 299,8 km
70 MHz										
Analogue										
ZS2	Meteor Scatter	70 MHz	SSB	ZS2ACP	ZS6NK	KF26SA	->	KG46RC	18-01-2009	1 180,6 km
ZS2	Meteor Scatter	70 MHz	SSB	ZS2ACP	ZS6WAB	KF26SA	->	KG46RB	16-01-2010	1 176,3 km
ZS6	TEP	70 MHz	CW	ZS6NK	J400EG	KG46RC	->	KN10LL	03-04-2014	7 157,9 km
ZS6	TEP	70 MHz	CW	ZS6NK	J400EG	KG46RC	->	KN10LL	03-04-2014	7 157,9 km
ZS6	TEP	70 MHz	SSB	ZS6WAB	SV2DCD	KG46RB	->	KN00NF	29-03-2011	7 155,4 km
ZS6	TEP	70 MHz	CW	ZS6NK	SV2DCD	KG46RC	->	KN00NF	28-03-2011	7 150,8 km
ZS6	TEP	70 MHz	SSB	ZS6WAB	SV8CS	KG46RB	->	KM07KS	29-03-2011	6 888,9 km
ZS6	Tropo / Inland	70 MHz	SSB	ZS6NK	ZS2ACP	KG46RC	->	KF26SA	06-05-2009	1 180,6 km
ZS2	Tropo / Inland	70 MHz	SSB	ZS2ACP	ZS6NK	KF26SA	->	KG46RC	06-05-2009	1 180,6 km
ZS1	Tropo	70 MHz	FM	ZS1PC	ZS2OC	KF15AT	->	KF26SA	08-01-2007	323,8 km
ZS2	Tropo / Inland	70 MHz	FM	ZS2OC	ZS1PC	KF26SA	->	KF26SA	08-01-2007	323,8 km
ZS6	Tropo / Inland	70 MHz	SSB	ZS6JON	ZS6NK	KG33VV	->	KG46RC	19-08-2008	298,8 km
Digital										
ZS6	EME	70 MHz	JT65a	ZS6WAB	GD0TEP	KG46RB	->	IO74SD	15-02-2009	9 242,3 km
ZS1	Meteor Scatter	70 MHz	FSK441	ZS1AGF	ZS6NK	JF96FG	->	KG46RC	23-04-2011	1 527,9 km
ZS6	Meteor Scatter	70 MHz	FSK441	ZS6NK	ZS1AGF	JF96FG	->	JF96FG	23-04-2011	1 527,9 km
ZS6	Meteor Scatter	70 MHz	FSK441	ZS6NK	V51PJ	KG46RC	->	JG82IE	29-03-2011	1 348,8 km
ZS6	Meteor Scatter	70 MHz	FSK441	ZS6NK	ZS2ACP	KG46RC	->	KF26SA	31-08-2008	1 180,6 km
ZS2	Meteor Scatter	70 MHz	FSK441	ZS2ACP	ZS6NK	KF26SA	->	KG46RC	31-08-2008	1 180,6 km
ZS6	TEP	70 MHz	ISCAT	ZS6BTE	IK0BZY	KG33XV	->	JN61GW	02-10-2012	7 698,1 km
ZS6	TEP	70 MHz	ISCAT	ZS6BTE	IW0FFK	KG33XV	->	JN61FS	02-10-2012	7 682,1 km
ZS6	TEP	70 MHz	ISCAT	ZS6NK	EA5EF	KG46RC	->	IM99SM	19-04-2014	7 678,2 km
ZS6	TEP	70 MHz	ISCAT	ZS6WAB	SV2DCD	KG46RB	->	KN00NF	27-03-2011	7 155,4 km
ZS6	TEP	70 MHz	ISCAT	ZS6NK	IZ8DWF	KG46RC	->	JM78CF	22-04-2012	7 039,4 km

CALLSIGN AREA	PROPAGATION	BAND	MODE	STATION A	STATION B	LOCATORS	DATE	DISTANCE
144 MHz Analogue								
ZS5	Aircraft Scatter	144 MHz	SSB	ZS5QM	ZS6LW	KG50IF ->	KG43CT 01-01-1986	467 km
ZS6	Aircraft Scatter	144 MHz	SSB	ZS6LW	ZS5JF	KG43CT ->	KG50IF 01-01-1986	467 km
ZS5	Aircraft Scatter	144 MHz	SSB	ZS5JF	ZS6LW	KG50DK ->	KG43CT 01-01-1986	426,5 km
ZS6	Aircraft Scatter	144 MHz	SSB	ZS6WB	ZS5QM	KG43CT ->	KG50DK 01-01-1986	426,5 km
ZS6	EME	144 MHz	CW	ZS6ALE	KH6/K6MYC	KG46RC ->	BK29AO 18-02-1984	19 285,7 km
ZS6	EME	144 MHz	CW	ZS6PJS (ZS6NK)	VE7BQH	KG46RC ->	CN87LL 23-03-1996	16 313 km
ZS6	EME	144 MHz	CW	ZS6ASO	K1WHS	KG43VG ->	FN43MJ 28-11-1979	12 659 km
ZS5	EME	144 MHz	SSB	ZS5LEE	DF7KF	KG50JF ->	JO30JO 04-06-2004	9 244 km
ZS5	EME	144 MHz	SSB	ZS5JF	RN6BN	KG50JF ->	KN95LC 15-01-2005	8 331 km
ZS6	Meteor Scatter	144 MHz	SSB	ZS6PJS (ZS6NK)	ZR1EV	KG46RC ->	JF96IC 17-11-1998	1 523,7 km
ZS1	Meteor Scatter	144 MHz	SSB	ZR1EV	ZS6PJS	JF96IC ->	KG46RC 17-11-1998	1 523,7 km
ZS6	Meteor Scatter	144 MHz	SSB	ZS6PJS (ZS6NK)	ZS2FM	KG46RC ->	KF26TA 17-11-1998	1 180,7 km
ZS2	Meteor Scatter	144 MHz	SSB	ZS2FM	ZS6PJS	KF26TA ->	KG46RC 17-11-1998	1 180,7 km
ZS5	Meteor Scatter	144 MHz	SSB	ZS5DJ	ZR1EV	KF59EC ->	JF96IC 17-11-1998	1 146,2 km
ZS4	TEP	144 MHz	CW	ZS4BU	SV1AB	KG33VE ->	KM18VC 17-09-1981	7 197,7 km
ZS6	TEP	144 MHz	CW	ZS6LW	SV1AB	KG43CT ->	KM18VC 28-03-1979	7 131,2 km
ZS6	TEP	144 MHz	CW	ZS6DN	SV1DH	KG44DC ->	KM18UA 11-02-1979	7 090,9 km
ZS2	Tropo / East coast	144 MHz	SSB/CW	ZS2BK	FR5DN	KF26SB ->	LG78QS 07-10-2015	3 248,4 km
ZS1	Tropo / West coast	144 MHz	FM	ZS1TA/M	ZD7GWM	JF95LU ->	IH74DB 13-11-2018	3 187,6 km
ZS1	Tropo / West coast	144 MHz	SSB	ZS1O	ZD7GWM	JF95KU ->	IH74DB 11-10-2021	3 182,7 km
ZS1	Tropo / West coast	144 MHz	FM	ZS1TA/M	ZD7GWM	JF95ET ->	IH74DB 12-11-2018	3 145,3 km
ZS1	Tropo	144 MHz	SSB	ZS1SJ	ZD7GWM	JF95EV ->	IH74DB 11-10-2021	3 141,8 km
Digital								
ZS4	EME	144 MHz	JT65b	ZS4TX	NH6Y	KG30BX ->	BL10TS 24-11-2017	19 063,8 km
ZS4	EME	144 MHz	Q65	ZS4TX	NH6V	KG30BX ->	BL20BB 11-06-2025	18 998,7 km
ZS5	EME	144 MHz	JT65b	ZS5HV	NH6Y	KG50JJF ->	BL10TS 06-01-2018	18 741,6 km
ZS5	EME	144 MHz	JT65b	ZS5LEE	NH6Y	KF59JR ->	BL10TS 20-10-2017	18 703,1 km
ZS1	EME	144 MHz	JT65b	ZS1LS	KH6/ W7EME	JF96FD ->	BL20BG 03-08-2011	18 401,2 km
ZS4	Meteor Scatter	144 MHz	FSK441	ZS4TX	UT1FG/MM	KG30BX ->	JG36PI 18-05-2022	1 967 km
ZS6	Meteor Scatter	144 MHz	FSK441	ZS6WB	RW1ZC/MM	KG44EE ->	JH52VP 11-12-2005	1 953,4 km
ZS6	Meteor Scatter	144 MHz	FSK441	ZS6OB	RW1ZC/MM	KG44DE ->	JH52VP 11-12-2005	1 945,9 km
ZS4	Meteor Scatter	144 MHz	MSK144	ZS4TX	UT1FG/MM	KG30BX ->	JG36WQ 01-04-2022	1 926,1 km
ZS5	Meteor Scatter	144 MHz	FSK441	ZS5LEE	V51E	KG50JF ->	JG89BW 27-07-2003	1 827,8 km

CALLSIGN AREA	PROPAGATION	BAND	MODE	STATION A	STATION B	LOCATORS	DATE		DISTANCE
ZS6	TEP	144 MHz	Q65	ZS4TX/6	LZ1DX	KG47LI	->	KN22TK 20-10-2025	7 253 km
ZS2	Tropo / East coast	144 MHz	JT65b	ZS2ACP	FR5DN	KF26SA	->	LG78QS 09-02-2010	3 249,9 km
ZS2	Tropo / East coast	144 MHz	JT65b	ZS2BK	FR5DN	KF26SB	->	LG78QS 07-10-2015	3 248,4 km
ZS2	Tropo / East coast	144 MHz	JT65b	ZS2ABF	FR5DN	KF37WA	->	LG78QS 13-09-2010	3 009,1 km
ZS2	Tropo / East coast	144 MHz	JT65b	ZS2GK	FR5DN	KF47KT	->	LG78QS 02-09-2009	2 892,3 km
ZS3	Tropo / West coast	144 MHz	FT8	ZS3JPY	ZD7GWM	JG80MH	->	IH74DB 17-04-2023	2 779,2 km
432 MHz									
Analogue									
ZS4	EME	432 MHz	CW	ZS4TX	KL6M	KG30BX	->	BP51DC 17-11-2019	16 434,2 km
ZS1	Tropo / West coast	432 MHz	SSB	ZR1DEE	ZD7GWM	JF96GC	->	IH74DB 11-10-2021	3 141,7 km
ZS1	Tropo / West coast	432 MHz	SSB	ZS1NAZ	ZD7GWM	JF96GC	->	IH74DB 11-10-2021	3 141,7 km
ZS1	Tropo / West coast	432 MHz	FM	ZS1TA/M	ZD7GWM	JF96EX	->	IH74DB 17-10-2020	3 136,7 km
ZS2	Tropo / East coast	432 MHz	SSB/FM	ZS2GK	FR5DN	KF47KT	->	LG78QS 13-09-2010	2 892,3 km
ZS3	Tropo / West coast	432 MHz	FM	ZS3JPY	ZD7GWM	JG80MH	->	IH74DB 18-10-2019	2 779,2 km
Digital									
ZS3	Aircraft Scatter	432 MHz	FT4	ZS3K	ZS6CBQ	KG10BU	->	KG33VU 01-11-2021	573,8 km
ZS6	Aircraft Scatter	432 MHz	FT4	ZS6CBQ	ZS3K	KG33VU	->	KG10BU 01-11-2021	573,8 km
ZS4	EME	432 MHz	Q65	ZS4TX	NH6Y	KG30BX	->	BL10TS 26-12-2022	19 063,8 km
ZS4	EME	432 MHz	Q65	ZS4TX	KH6FA	KG30BX	->	BK29CB 24-02-2025	18 890,9 km
ZS5	EME	432 MHz	JT65b	ZS5Y	K7XQ	KF59IR	->	CM97QL 27-11-2010	17 266,9 km
ZS4	EME	432 MHz	Q65	ZS4TX	N6WS	KG30BX	->	CM95RA 10-12-2022	16 818 km
ZS6	EME	432 MHz	JT65b	ZS6WAB	K7XQ	KG46RB	->	CM97QL 12-03-2008	16 807,5 km
ZS2	Tropo / East coast	432 MHz	JT65b	ZS2GK	FR5DN	KF47KT	->	LG78QS 13-09-2010	2 892,3 km
ZS3	Tropo / West coast	432 MHz	FT8	ZS3JPY	ZD7GWM	JG80MH	->	IH74DB 18-04-2023	2 779,2 km
ZS3	Tropo / West coast	432 MHz	FT8	ZS3TO	ZD7GWM	JG80MH	->	IH74DB 18-04-2023	2 779,2 km
ZS5	Tropo / East coast	432 MHz	JT65b	ZS5Y	FR5DN	KF59IR	->	LG78QS 10-02-2010	2 662,4 km
ZS4	Tropo / Inland	432 MHz	JT65b	ZS4TX	ZS6NK	KG30BV	->	KG46RC 15-11-2022	667,3 km
1.3 GHz									
Analogue									
ZS6	EME	1.3 GHz	CW	ZS6AXT	NU7Z	KG33VV	->	DM43BR 05-10-1990	16 067,7 km
ZS6	EME	1.3 GHz	CW	ZS6AXT	WB0QMN	KG33VV	->	DM79NO 12-03-1989	15 406,1 km

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CALLSIGN AREA	PROPAGATION	BAND	MODE	STATION A	STATION B	LOCATORS		DATE	DISTANCE
ZS3	Tropo / East coast	1.3 GHz	SSB	ZS1TA/3	ZS1IX	JG81JA	->	JF96EB 24-10-2024	571,4 km
ZS1	Tropo / West coast	1.3 GHz	SSB	ZS1IX	ZS1TA/3	JF96EB79	->	JG81JA53 24-10-2024	571,4 km
ZS1	Tropo / West coast	1.3 GHz	SSB	ZS1TA	ZS1IX	JF96EB	->	JF89PT 10-11-2022	427,2 km
ZS1	Tropo / West coast	1.3 GHz	SSB	ZS1TA	ZS1IX	JF96EB	->	JF89QP 09-11-2022	410,1 km
ZS4	Tropo / Inland	1.3 GHz	SSB	ZS4N	ZS6CBQ	KG30BU	->	KG33VU 27-03-2021	371,8 km
Digital									
ZS4	Aircraft Scatter	1.3 GHz	Q65	ZS4TX	ZS5Y	KG30BX	->	KF49JR 16-03-2025	471,9 km
ZS5	Aircraft Scatter	1.3 GHz	Q65	ZS5Y	ZS4TX	KF59JR	->	KG30BX 16-03-2025	471,9 km
ZS4	EME	1.3 GHz	Q65	ZS4TX	NH6V	KG30BX	->	BL20BB 09-06-2025	18 989,7 km
ZS4	EME	1.3 GHz	Q65	ZS4TX	KH6FA	KG30BX	->	BK29CB 09-06-2025	18 890,9 km
ZS5	EME	1.3 GHz	JT65c	ZS5Y	K7QX	KF59IR	->	CM97QL 25-06-2012	17 266,9 km
ZS5	EME	1.3 GHz	JT65c	ZS5Y	VE7BBG	KF59JR	->	CO70AJ 12-02-2011	16 906,8 km
ZS1	EME	1.3 GHz	JT65c	ZS1LS	VA7MM	JF96FD	->	CN89OG 08-10-2017	16 413,4 km
ZS6	Tropo / Inland	1.3 GHz	Q65	ZS6BUN	ZS5Y	KG43GM	->	KF59JR 23-03-2025	475,6 km
ZS5	Tropo / Inland	1.3 GHz	Q65	ZS5Y	ZS6BUN	KF59JR	->	KG43GM 23-03-2025	475,6 km
ZS4	Tropo / Inland	1.3 GHz	Q65	ZS4TX	ZS6BUN	KG30BX	->	KG43GM 01-07-2024	369,3 km
ZS6	Tropo / Inland	1.3 GHz	JT65c	ZS6BUN	ZS6WAB	KG43GM	->	KG46RB 28-01-2012	296,3 km
ZS6	Tropo / Inland	1.3 GHz	JT65c	ZS6Y	ZS6WAB	KG33VV	->	KG46RB 28-01-2012	288,3 km
2,3 GHz									
Analogue									
ZS6	EME	2,3 GHz	CW	ZS6AXT	NU7Z	KG33VV	->	DM43BR 15-06-1999	16 067,6 km
ZS6	EME	2,3 GHz	CW	ZS6AXT	W7GBI	KG33VV	->	DM45AG 14-03-1998	16 067,1 km
ZS6	EME	2,3 GHz	CW	ZS6EME	VE4MA	KG33VV	->	EN19LU 17-01-1997	14 655 km
ZS6	EME	2,3 GHz	SSB	ZS6EME	VK3NX	KG44CD	->	QF21CT 06-08-2016	10 284,9 km
ZS6	EME	2,3 GHz	CW	ZS6AXT	HB9Q	KG44CD	->	JN47CG 29-07-2016	8 343,3 km
Digital									
ZS6	EME	2,3 GHz	JT65c	ZS6EME	VK3NX	KG44CD	->	QF21CT 06-08-2016	10 284,9 km
ZS6	EME	2,3 GHz	Q65	ZS6JON	PA3DZL	KG33VV	->	JO21LS 09-07-2023	8 951,8 km
ZS6	EME	2,3 GHz	Q65	ZS6JON	HB9Q	KG33VV	->	JN47CG 30-05-2026	8 501,4 km
5,7 GHz									
Analogue									
ZS6	EME	5,7 GHz	CW	ZS6AXT	W7CNK	KG33EE	->	EM15FI 22-11-1999	14 757,2 km
ZS6	Tropo / Inland	5,7 GHz	SSB	ZS6AXT	ZS6JON/6	KG33VV	->	KG45ED 27-02-2003	150,8 km

CALLSIGN AREA	PROPAGATION	BAND	MODE	STATION A	STATION B	LOCATORS	DATE	DISTANCE
10 GHz								
Analogue								
ZS6	Tropo / Inland	10 GHz	CW	ZS6AXT	ZS6JON/6	KG33VV ->	KG46RC 01-12-2003	297,5 km
ZS1	Tropo / Inland	10 GHz	FM	ZS1HS (ZS1AYJ)	ZR1AT	JF96EC ->	JG96EC 28-10-1977	12 km
Digital								
ZS1	EME	10 GHz	QRA-64	ZS1LS	W3SZ	JF96FD ->	FN10WH 19-09-2019	12 694,3 km
ZS1	EME	10 GHz	QRA-64	ZS1LS	OH2DG	JF96FD ->	KP30CK 24-08-2019	10 473,9 km
ZS6	EME	10 GHz	Q65	ZS6JON	PE1CKK	KG33VV ->	JO22OF 17-05-2026	8 993,5 km
ZS6	EME	10 GHz	Q65	ZS6JON	PA3DZL	KG33VV ->	JO21LS 17-05-2026	8 951,8 km
ZS6	EME	10 GHz	Q65	ZS6JON	PA0BAT	KG33VV ->	JO31FX 22-03-2026	8 938,3 km
24 GHz								
Digital								
ZS6	EME	24 GHz	Q65	ZS6JON	JA1WQF	KG33VV ->	QM05AV 12-07-2026	13 607,4 km
ZS6	EME	24 GHz	Q65	ZS6JON	OZ1LPR	KG33VV ->	JO44UW 14-06-2026	9 185,7 km
ZS6	EME	24 GHz	Q65	ZS6JON	PE1CKK	KG33VV ->	JO22OF 14-06-2026	8 993,5 km
ZS6	EME	24 GHz	Q65	ZS6JON	PA3DZL	KG33VV ->	JO21LS 12-07-2026	8 951,8 km
ZS6	EME	24 GHz	Q65	ZS6JON	PA0BAT	KG33VV ->	JO31FX 14-06-2026	8 938,3 km
AMSAT								
Analogue								
ZS1	AO-10	AMSAT	SSB	ZR1L (ZS1TX)	K6RTC	JF96HD ->	CM87TP 26-05-1985	16 497,8 km
ZS1	AO-10	AMSAT	SSB	ZR1L (ZS1TX)	WA6UAP	JF96HD ->	CM87XN 26-05-1985	16 467 km
ZS1	AO-10	AMSAT	SSB	ZR1L (ZS1TX)	K7NN	JF96HD ->	DM42LI 22-07-1985	15 372,6 km
ZS1	AO-10	AMSAT	SSB	ZR1L ZS1TX)	WB7OHF	JF96HD ->	DM42OG 24-01-1986	15 347,4 km
ZS1	AO-10	AMSAT	SSB	ZR1L (ZS1TX)	JR8XPV	JF96HD ->	QN13TC 26-07-1988	15 202,4 km
ZS5	AO-100	AMSAT	SSB	ZS5Y	TF3E	KG59IR ->	HP94BD 03-05-2021	11 452 km
ZS5	AO-100	AMSAT	SSB	ZS5LEE	TF3IRA	KG50JF ->	HP94AD 26-10-2019	11 405,8 km
ZS5	AO-100	AMSAT	SSB	ZS5LEE	TF1A	KG50JF ->	HP94BC 22-05-2019	11 399,7 km
ZS5	AO-100	AMSAT	SSB	ZS5LEE	R0AU	KG50JF ->	NO66KA 02-06-2019	11 190,5 km
ZS5	AO-100	AMSAT	SSB	ZS5LEE	LA6GH	KG50JF ->	JP32CL 23-06-2019	10 489,7 km
ZS2	AO-51	AMSAT	FM	ZS2BK	ZD8DC	KF26SB ->	II22TA 12-12-2009	5 000,8 km
ZS2	AO-51	AMSAT	FM	ZS2BK	S79AC	KF26SB ->	LI75VP 18-12-2008	4 539,7 km
ZS1	AO-7	AMSAT	SSB	ZS1TA	LW2DAF	JF95FX ->	GF05RK 04-05-2020	6 883,5 km
ZS1	AO-91	AMSAT	FM	ZS1TA	3B8FA	JF95FX ->	LG89SW 13-10-2018	4 243,8 km
ZS1	AO-91	AMSAT	FM	ZS1TA	ZD7GWM	JF95EX ->	IH74DB 25-02-2019	3 135 km

CALLSIGN AREA	PROPAGATION	BAND	MODE	STATION A	STATION B	LOCATORS		DATE		DISTANCE
ZS5	AO-91	AMSAT	FM	ZS1TA/5	V51DM	KG62AJ	->	JG77II	21-04-2019	1 830,3 km
ZS1	AO-91	AMSAT	FM	ZS1OB	ZS1TA/6	JF96IB	->	KG57NH	25-07-2019	1 739,9 km
ZS1	AO-91	AMSAT	FM	ZS1TA	ZS6PCW	JF95FW	->	KG46RC	18-10-2018	1 553,2 km
ZS2	DOSA AF-85	AMSAT	CW	ZS2BK	VU2LBW	KF26SB	->	MK82TW	20-06-2020	7 579,9 km
ZS2	DOSA AF-85	AMSAT	SSB	ZS2BK	LW2DAF	KF26SB	->	GF05RK	17-07-2020	7 474,8 km
ZS2	FO-29	AMSAT	SSB	ZS2BK	PY1UNU	KF26SB	->	GG86GX	08-12-2008	6 729,9 km
ZS2	FO-29	AMSAT	SSB	ZS2BK	ST2NH	KF26SB	->	KK65GP	17-12-2008	5 567,7 km
ZS2	HO-68	AMSAT	SSB	ZS2BK	ST2NH	KF26SB	->	KK65GP	25-12-2009	5 567,7 km
ZS5	OSCAR-10	AMSAT	SSB	ZS5LEE	W7PJI	KG50JF	->	DM41QQ	19-11-2000	16 345,8 km
ZS5	OSCAR-10	AMSAT	SSB	ZS5LEE	W8WRP	KG50JF	->	EM89TV	19-11-2000	13 948,5 km
ZS5	OSCAR-10	AMSAT	SSB	ZS5LEE	VE3TFU	KG50JF	->	EN92VW	19-11-2000	13 853,4 km
ZS5	OSCAR-10	AMSAT	SSB	ZS5LEE	VE3DZP	KG50JF	->	FN03JE	19-11-2000	13 759,1 km
ZS6	OSCAR-10	AMSAT	CW	ZS6BNE	PY8LF	KG33BU	->	GG54JM	20-09-2009	7 443,2 km
ZS1	OSCAR-100	AMSAT	SSB	ZS1II	JW0X	JF87XF	->	JQ68TB	23-04-2022	12 327,5 km
ZS1	OSCAR-100	AMSAT	SSB	ZS1II	OX3LX	JF87XF	->	HP15EO	30-07-2021	11 926,4 km
ZS1	OSCAR-100	AMSAT	SSB	ZS1WDK	TF1A	JF96ID	->	HP94BC	28-08-2019	11 427,7 km
ZS1	OSCAR-100	AMSAT	SSB	ZS1LS	TF1A	JF96FD	->	HP94BC	15-08-2019	11 420,9 km
ZS1	OSCAR-100	AMSAT	SSB	ZS1LS	UA9FFF	JF96FD	->	LO87IW	19-08-2019	10 780,5 km
ZS6	OSCAR-13	AMSAT	SSB	ZS6UF (ZS2BK)	WB6LLO	KG43AI	->	DM12JS	02-09-1983	16 613,1 km
ZS2	OSCAR-13	AMSAT	SSB	ZS2ACP	AA4SC	KF26SA	->	EM94MX	22-04-1991	13 436,1 km
ZS6	OSCAR-13	AMSAT	SSB	ZS6BTE	VE3DZP	KG33XV	->	FN03JE	18-05-1995	13 302,1 km
ZS2	OSCAR-13	AMSAT	SSB	ZS2ACP	HL5OC	KF26SA	->	PM45BE	20-04-1994	13 115,3 km
ZS5	OSCAR-40	AMSAT	SSB	ZS5LEE	W7AM	KG50JF	->	CN84IW	11-03-2003	17 190,9 km
ZS5	OSCAR-40	AMSAT	SSB	ZS5LEE	K0BLT	KG50JF	->	DN81KQ	11-03-2003	15 705,5 km
ZS5	OSCAR-40	AMSAT	SSB	ZS5LEE	KK5DO	KG50JF	->	EL29FQ	08-08-2003	14 885,5 km
ZS6	OSCAR-40	AMSAT	SSB	ZS6BTE	XE1MEX	KG33XV	->	EK08MU	11-01-2003	14 537,7 km
ZS5	OSCAR-40	AMSAT	SSB	ZS5LEE	KE4AZN	KG50JF	->	EM71CH	08-08-2003	14 027 km
ZS6	OSCAR-7	AMSAT	SSB	ZS6BB (ZS6A)	EA6SA	KG43EU	->	JM19IO	18-01-2010	7 751 km
ZS2	OSCAR-7	AMSAT	CW	ZS2BK	PS8RF	KF26SB	->	GI84OW	08-01-2010	7 703,6 km
ZS2	OSCAR-7	AMSAT	CW	ZS2ACP	PY8LF	KF26SA	->	GG54JM	09-02-2010	7 144,6 km
ZS2	OSCAR-7	AMSAT	SSB	ZS2BK	VQ9JC	KF26SB	->	MI53PH	07-11-2009	5 584,7 km
ZS2	OSCAR-8	AMSAT	SSB	ZS2BK	TR8BL	KF26SB	->	JJ40RI	08-06-1978	4 170,2 km
ZS2	OSCAR-8	AMSAT	CW	ZS2BK	3B8DU	KF26SB	->	LG89UX	17-09-1979	3 353,8 km
ZS2	OSCAR-8	AMSAT	SSB	ZS2BK	ZD9DG	KF26SB	->	IE59BP	05-05-1978	3 198,4 km

CALLSIGN AREA	PROPAGATION	BAND	MODE	STATION A	STATION B	LOCATORS		DATE	DISTANCE
ZS2	OSCAR-91	AMSAT	FM	ZS2BK	9G5AR	KF26SB	->	IJ95VN 21-06-2019	5 143,9 km
ZS2	OSCAR-91	AMSAT	FM	ZS2ZA	ZD7GWM	KF26SB	->	IH74DB 08-02-2019	3 709 km
ZS2	OSCAR-91	AMSAT	FM	ZS1TA/2	FR4OZ	KF36HX	->	LG79SB 29-10-2018	3 153,1 km
ZS6	OSCAR-91	AMSAT	FM	ZS1TA/6	ZS1OB	KG57NH	->	JF96IB 25-07-2018	1 739,9 km
ZS6	OSCAR-91	AMSAT	FM	ZS6SER	ZS1TA	KG46WX	->	JF95FW 09-06-2018	1 578,5 km
ZS1	RS-44	AMSAT	SSB	ZS1TA	A65BR	JF95FX	->	LL75SL 25-05-2021	7 687,1 km
ZS1	RS-44	AMSAT	SSB	ZS1TA	7Z1SJ	JF95FX	->	LL25WG 14-06-2021	7 200,5 km
ZS1	RS-44	AMSAT	SSB	ZS1TA	LU4DPO	JF96EA	->	GF02KQ 13-09-2022	6 806,1 km
ZS1	RS-44	AMSAT	SSB	ZS1TA	LU3EQ	JF96EA	->	GF02KQ 13-09-2022	6 806,1 km
Digital									
ZS4	AO-117	AMSAT	PKT	ZS4TX	AG2J	KG30BX	->	FM29BP 12-08-2023	12 977,9 km
ZS2	AO-117	AMSAT	PKT	ZS2BK	7J1ADJ	KF26SA	->	PL36VJ 27-07-2024	12 671,6 km
ZS2	AO-117	AMSAT	PKT	ZS2BK	JR6RMK	KF26SA	->	PL36UF 12-06-2023	12 655,6 km
ZS1	AO-117	AMSAT	PKT	ZS1TA	N4AKV	JF95FX	->	FM02BQ 03-02-2024	12 652 km
ZS2	AO-117	AMSAT	PKT	ZS2BK	VE1CWJ	KF26SA	->	FN85FL 02-03-2023	12 554,3 km