



SOUTH AFRICAN RADIO LEAGUE

*The National Body for Amateur Radio in South Africa
A Member of the International Amateur Radio Union*



SARL VHF/UHF/SHF: DXCC, VUCC and Distance Records Table [2025]

Updated by ZS6NK 01 June 2025.

Please send updates to zs6nk@gmail.com. DXCC and VUCC data courtesy of ARRL (<http://www.arrl.org/dxcc-standings> and <http://www.arrl.org/vucc-standings>)

20 July 2018. The main record table now only lists the top 5 claims per Band/Mode/Propagation type. A full list of claimed ODX per ZS Call area is published below the main record table. The full [per call area] list may resemble logbook extracts from active stations but provides a more detailed record of what has been achieved from the different call areas for newcomers to target. This listing is incomplete. Please send in your ODX to be listed.

17 November 2018. All distances are calculated using the Maidenhead Grid locator system. Where 2 or more stations in the same sub-square claim a record distance, the actual Lats and Longs of all concerned will be used to calculate the exact distance.

28 September 2022: For a comprehensive listing of who worked which entity for the first time from South Africa on 6M and 2M, we refer you to the following links:

Firsts on 50 MHz: <http://zs6ez.org.za/lists/50zs1st.txt>

Firsts on 144 MHz: <http://zs6ez.org.za/lists/144zs1st.txt>

DXCC Standings		
Band	Call Sign	Entities
50 MHz	ZS6NK	193
	ZS4TX	190
	ZS6WB	140
	ZS6AXT (SK)	126
	ZS6EZ	113
	ZS6AYE	105
	ZS6NJ	101

144 MHz	ZS4TX	141
	ZS1LS	128
	ZS6JON	112
	ZS5LEE	112
	ZS6OB	104
432 MHz	None	
AMSAT	ZS1LS	160
	ZS4TX	152
	ZS2BK	119
	ZS2ACP	103

VUCC Standings			
Band	Call Sign	Grid	Grids
50 MHz	ZS6NK	KG46	830
	ZS6WB	KG44	610
	ZS4TX/6	KG47	373
	ZS4TX	KG30	389
	ZS6EZ	KG43	326
	ZR6DXB (ZS2EZ)	KG33	216
	ZS6OB	KG44	145
	ZS4TX/6	KG55	121
	FFMA (FRED FISH MEMORIAL AWARD)		
50 MHz	ZS6NK	KG46	84
	ZS4TX	KG30	53
	ZS6WB	KG44	36

144 MHz	ZS4TX	KG30	288
	ZS5LEE	KG50	222
	ZS1LS	JF96	200
	ZS6WB	KG44	153
	ZS6OB	KG44	119
	ZS2GK	KF47	111
	ZS5HV	KF59	104
432 MHz	ZS4TX	KG30	127
1296 MHz	ZS4TX	KG30	64
AMSAT	ZS2BK	KF26	452
	ZS1TA	JF95	369
	ZS4TX	KG30	290
	ZS2ACP	KF26	154
	ZS5LEE	KG50	105
	ZS6WB	KG44	103
ALL AFRICA AWARD (AAA)			
Band	Call Sign	Grid	Date
50 MHz	ZS6WB	KG44	2001-12-16
	ZS6NK	KG46	2010-05-24
	ZS6EZ	KG44	2015-10-09
	ZS4TX	KG30	2018-11-01
WORKED ALL ZS (WAZS 100)			

Band	Call Sign	Grid	Date
50MHz	ZS6WB	KG44	1997-03-17
	ZS6NK	KG46	2018-11-01

VHF/UHF/SHF DISTANCE RECORDS TABLE [Top 5 per Mode/Propagation type]							
Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
40 MHz (8 Metres) Digital							
F2	V51PJ/ZS3	JG81KV	WM2XEJ	EM83HH	FT8	2023-10-28	12533,0
	V51PJ/ZS3	JG81KV	VA2CYX	FN46LN	FT8	2023-11-06	12098,1
TEP	ZS4TX	KG30AU	EI2IP	IO52QJ	FT8	2023-01-31	9673,0
	ZS6OB	KG44DE	EI9KP	IO54MB	FT8	2022-04-21	9573,9
	V51PJ/ZS3	JG81KV	EI4GNB	IO63WE	FT8	2023-12-03	9309,2
	V51PJ/ZS3	JG81KV	EI4GEB	IO52RN	FT8	2023-12-03	9303,5
	ZS4TX	KG30AU	G9PUV	JO00AU	FT8	2022-04-07	9255,0
Tropo	ZS6BTE	KG33XV	ZS6WAB	KG46RB	FSK441	2015-08-16	283,7
Meteor Scatter	ZS2ACP	KF26SA	ZS6WAB	KG46RB	FSK441	2015-09-06	1176,3
40 MHz (8 Metres) Analogue							
TEP	ZS6OB	KG44de	S50B	JN64xu	SSB	2022-04-07	7991,4
Tropo							
Meteor Scatter							
50 MHz (6 metres) Digital							
Tropo	ZS6NK	KG46RC	FT4JA	LH12IW	JT65a	2016-04-05	1574,2

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
	ZS6NK	KG46RC	ZR1ADI	JF95JV	JT44	2002-05-01	1535,7
	ZS4TX/6	KG47UR	FT4JA	LH12IW	JT65a	2016-04-05	1478,4
	ZR1AEE	JF96IA	ZS6WB	KG44EE	JT44	2016-06-06	1299,8
Meteor Scatter	ZS6AYE	KG54ML	D64K	LH18PJ	FSK441	2012-08-14	2012,6
	ZS2BWB	KF26TB	TO4E	LG07EQ	FSK441	2003-12-06	1935,8
	ZS4TX	KG30BW	9J2JD	KH37XJ	FSK441	2005-07-17	1839,9
	ZS5Y	KF59II	V51DM	JG77II	MSK144	2021-01-30	1801,5
	ZS1TA	JF95FX	ZS6NK/6	KG47LI	MSK144	2022-08-07	1627,5
Spradic -E	ZS6NK	KG46RC	5H1KB	KI94PG	FT8	2025-04-27	2277,4
	ZS6WN	KG46SC	5H1KB	KI94PG	FT8	2025-04-27	2273,3
	ZS4TX	KG30BW	7Q6M	KH67RU	FT8	2024-01-24	2028,5
	ZS6NK	KG46RC	7Q6M	KH67RU	FT8	2024-01-24	1373,0
lono scatter	ZR1AEE	JF96IA	ZS6NK	KG46RC	JT44	2002-04-16	1531,4
TEP	ZR1ADI	JF95KU	G8BCG	IO70RK	JT65a	2014-03-18	9648,2
	ZS5Y	KF59IR	S57RR	JN65UM	JT44	2011-11-17	8567,0
	ZS5Y	KF59IR	EA3AKY	JN11AK	JT44	2011-11-17	8468,6
	ZS5Y	KF59IR	EA3GP	JN01SF	JT44	2011-11-17	8465,7
	ZS5Y	KF59IR	IZ5BRW	JN53OP	JT44	2011-11-17	8422,4
F2 (Short path)	ZS6NK	KG46RC	AH7C	BL11BJ	FT0	2025-04-06	19213,0
	ZS6WN	KG46SC	N0TB	EN31QB	FT8	2023-11-07	14395,1
	ZS6WN	KG46SC	W0GJ	EN43CF	FT8	2023-11-07	14299,5
	ZS6WN	KG46SC	KA9FOX	EN43KS	FT8	2023-11-12	14243,4
	ZS6WN	KG46SC	W6JN	EN54DN	FT8	2023-11-12	14127,5

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
F2 (Long path)	ZS6NK	KG46RC	3D2AG	RH91FV	FT8	2023-04-07	~25745,0
	ZS4TX/6	KG47UR	3D2AG	RH91FV	FT8	2023-04-07	~25678,0
	ZS4TX/6	KG47UR	E51EME	BG08CS	FT8	2024-09-07	~24931,0
EME	ZS4TX	KG30BX	NH6Y	BL10TS	Q65a	2022-05-17	19063,8
	ZS5Y	KF59IR	K6MYC	DM07BD	JT65a	2012-04-04	17208,7
	ZS5LEE	KG50JF	K6MYC	DM07BD	JT65a	2005-04-28	17190,5
	ZS6NK	KG46RC	K6QXY	CM88QL	JT65a	2005-02-25	16926,8
	ZS4TX	KG30BX	N6JV	CM98JJ	JT65a	2017-07-24	16838,3
Aircraft Scatter (Enhanced)	ZS1AX	JF96IB	ZS6OB	KG44CC	FSK441	2015-01-17	1278,5
50 MHz (6 metres) Analogue							
Tropo	ZS2BE	KF26SA	ZS8MI	KE83WC	CW	1989-12-08	1770,8
	ZS2FM	KF26TA	ZS8MI	KE83WC	SSB	1989-12-11	1766,7
	ZS1NAZ	JF96GC	ZS6TWB	KG47WA	SSB	2005-01-22	1639,6
	ZS6PJS (ZS6NK)	KG46RC	ZS9H	JG77GB	SSB	1991-09-29	1527,6
	ZS1AGF	JF96FG	ZS6Y	KG33WV	SSB	1999-10-24	1240,3
Sporadic-E	ZS6PJS (ZS6NK)	KG46RC	9U5D	KI46GO	CW	2000-03-05	2270,2
	ZS5DJ	KF59IA	ZR1BCE/8	KE83WC	SSB	1995-11-14	1871,0
	ZS2CY	KF26TA	ZS3G	JH80UR	AM	1957-11-17	1808,6
	ZS2FM	KF26TA	ZS8MI	KE83WC	SSB/FM	1989-12-11	1766,7
	ZS1TA	JF95FX	ZS6SER	KG46WX	SSB	2018-01-01	1651.3
Meteor Scatter	ZR2DX	KF26TA	TO4E	LG07EQ	SSB	2003-12-06	1937,7

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
	ZS5DJ	KF59IA	7Q7JL	KH74MG	SSB	1993-03-28	1745,5
	ZS4S	KG41NR	ZS9A	JG77GB	CW	1991-11-03	1578.1
	ZS1EK	JF95FU	ZS6OB	KG44CC	SSB	1986-05-11	1239,5
	ZS6AYE	KG34IL	ZS9A	JG77GB	SSB	1992-09-20	1267,9
TEP	ZS4TX	KG30BV	GM0GAV	IO86JK	SSB	2012-10-28	9875,4
	ZS4S	KG41NR	GI8YDZ	IO65QF	SSB	1989-02-26	9859.4
	ZS6PJS/4 (ZS6NK)	KG30FX	GI0OTC	IO65QE	SSB	1991-04-05	9849,5
	ZS4NS	KG32LA	OH1FA	KP10QL	SSB	1989-02-26	9807,9
	ZS4S	KG41NR	OZ4VV	JO46QU	CW	1989-04-26	9613.9
F2 (Short Path)	ZS6PJS (ZS6NK)	KG46RC	KH6/K6MIO	BK29KS	SSB	2000-04-10	19360,2
	ZS6NK	KG46RC	KH6SX	BK29IK	CW	2002-04-21	19321,2
	ZS6LN	KG46RC	KH6IAA	BK29IA	SSB	1979-04-15	19286,1
	ZS6AXT	KG33VV	AH6TM	BL01XM	SSB	2000-04-11	19238,3
	ZS6BTE	KG33XV	KH7L	BL11AJ	SSB	2000-04-13	19222,4
F2 (Long-path)	ZS4TX/6	KG47LI	ZL1RS	RF64VS	FT8	2025-03-14	~27400
	ZS6NK	KG46RC	3D2AG	RH91FV	SSB	2023-04-07	~25745
	ZS6AYE	KG54ML	E51CG	BG08CT	SSB	2014-03-11	~25293
	ZS4TX/6	KG55LP	E51CG	BG08CT	SSB	2014-04-03	~25165
	ZS6TQ	KG55LP	E51CG	BG08CT	SSB	2014-04-03	~25165
	ZS6WN	KG46SC	E51CG	BG08CT	SSB	2014-04-03	~25085
70 MHz (4 metres) Digital							
Meteor Scatter	ZS1AGF	JF96FG	ZS6NK	KG46RC	FSK441	2011-04-23	1527,9
	ZS6NK	KG46RC	V51PJ	JG82IE	FSK441	2011-03-29	1348,8
	ZS2ACP	KF26SA	ZS6NK	KG46RC	FSK441	2008-08-31	1180,6

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
	ZS2ACP	KF26SA	V51PJ	JG82IE	FSK441	2011-03-29	1085,7
	ZS2BK	KF26SB	V51PJ	JG82IE	FSK441	2016-01-16	1083,0
TEP	ZS6BTE	KG33VX	IK0BZY	JN61GW	ISCAT	2012-10-02	7698,1
	ZS6BTE	KG33XV	IW0FFK	JN61FS	ISCAT	2012-10-02	7682,1
	ZS6NK	KG46RC	EA5EF	IM99SM	ISCAT	2014-04-19	7678,2
	ZS6WAB	KG46RB	SV2DCD	KN00NF	ISCAT	2011-03-27	7155,4
	ZS6NK	KG46RC	IZ8DWF	JM78CF	ISCAT	2012-04-22	7039,4
EME	ZS6WAB	KG46RB	GD0TEP	IO74SD	JT65a	2009-02-15	9242,3
70 MHz (4 Metres) Analogue							
Tropo	ZS2ACP	KF26SA	ZS6NK	KG46RC	SSB	2009-05-06	1180,6
	ZS1PC	KF15AT	ZS2OC	KF26SA	FM	2007-01-08	323,8
	ZS6JON	KG33VV	ZS6NK	KG46RC	SSB	2008-08-19	298,8
	ZS6CBQ	KG33VU	ZS6WAB	KG46RB	FM	2010-01-16	296,8
	ZS1SKR	KF16NB	ZS2U	KF26GQ	FM	2008-01-26	219,9
Meteor Scatter	ZS2ACP	KF26SA	ZS6NK	KG46RC	SSB	2009-01-18	1180,6
	ZS2ACP	KF26SA	ZS6WAB	KG46RB	SSB	2010-01-16	1176,3
TEP	ZS6NK	KG46RC	J400EG	KN10LL	CW	2014-04-03	7157,9
	ZS6WAB	KG46RB	SV2DCD	KN00NF	SSB	2011-03-29	7155,4
	ZS6NK	KG46RC	SV2DCD	KN00NF	CW	2011-03-28	7150,8
	ZS6WAB	KG46RB	SV8CS	KM07KS	SSB	2011-03-29	6888,9
144 MHz (2 Metres) Digital							
Tropo	ZS2ACP	KF26SA	FR5DN	LG78QS	JT65b	2010-02-09	3249,9

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
	ZS2BK	KF26SB	FR5DN	LG78QS	JT65b	2015-10-07	3248,4
	ZS2ABF	KF37WA	FR5DN	LG78QS	JT65b	2010-09-13	3009,1
	ZS2GK	KF47KT	FR5DN	LG78QS	JT65b	2009-09-02	2892,3
	ZS3JPY	JG80MH	ZD7GWM	IH74DB	FT8	2023-04-17	2779,2
Meteor Scatter	ZS4TX	KG30BX	UT1FG/MM	J336PI	FSK441	2022-05-18	1967,0
	ZS6WB	KG44EE	RW1ZC/MM	JH52VP	FSK441	2005-12-11	1953,4
	ZS6OB	KG44DE	RW1ZC/MM	JH52VP	FSK441	2005-12-11	1945,9
	ZS4TX	KG30BX	UT1FG/MM	JG36WQ	MSK144	2022-04-01	1926,1
	ZS5LEE	KG50JF	V51E	JG89BW	FSK441	2003-07-27	1827,8
EME	ZS4TX	KG30BV	NH6Y	BL01TS	JT65b	2017-11-24	19063,8
	ZS5LEE	KG50JF	NH6Y	BL01TS	JT65b	2018-01-06	18741,6
	ZS5HV	KF59JR	NH6Y	BL01TS	JT65b	2017-10-20	18703,1
	ZS1LS	JF96FD	KH6/ W7EME	BL20BG	JT65b	2011-08-03	18401,2
	ZS2GK	KF47KT	K7MI	CN73TC	JT65b	2008-07-08	17382,6
144 MHz (2 Metres) Analogue							
Tropo	ZS2BK	KF26SB	FR5DN	LG78QS	SSB/CW	2015-10-07	3248,4
	ZS1TA/M	JF95LU	ZD7GWM	IH74DB	FM	2018-11-13	3187,6
	ZS1O	JF95KU	ZD7GWM	IH74DB	SSB	2021-10-11	3182,7
	ZS1TA/M	JF95ET	ZD7GWM	IH74DB	FM	2018-11-12	3145,3
	ZS1SJ	JF95EV	ZD7GWM	IH74DB	SSB	2021-10-11	3141,8
Meteor Scatter	ZR1EV	JF96IC	ZS6PJS	KG46RC	SSB	1998-11-17	1523,7
	ZS2FM	KF26TA	ZS6PJS	KG46RC	SSB	1998-11-17	1180,7
	ZS2FM	KF26TA	ZS6HS	KG33XR	SSB	1998-11-17	885,5

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
TEP	ZS4BU	KG33VE	SV1AB	KM18VC	CW	1981-09-17	7197,7
	ZS6LW	KG43CT	SV1AB	KM18VC	CW	1979-03-28	7131,2
	ZS6DN	KG44DC	SV1DH	KM18UA	CW	1979-02-11	7090,9
EME	ZS6ALE	KG46RC	KH6/K6MYC	BK29AO	CW	1984-02-18	19285,7
	ZS6PJS (ZS6NK)	KG46RC	VE7BQH	CN87LL	CW	1996-03-23	16313,0
	ZS6ASO	KG43VG	K1WHS	FN43MJ	CW	1979-11-28	12659,0
	ZS5LEE	KG50JF	DF7KF	JO30JO	SSB	2004-06-04	9244,0
	ZS5LEE	KG50JF	RN6BN	KN95LC	SSB	2005-01-15	8331,0
Aircraft Scatter	ZS5JF	KG50IF	ZS6LW	KG43CT	SSB	1986	467,0
	ZS5QM	KG50DK	ZS6LW	KG43CT	SSB	1986	426,5
432 MHz (70 cm) Digital							
Tropo	ZS2GK	KF47KT	FR5DN	LG78QS	JT65b	2010-09-13	2892,3
	ZS3JPY	JG80MH	ZD7GWM	IH74DB	FT8	2023-04-18	2779,2
	ZS3TO	JG80MH	ZD7GWM	IH74DB	FT8	2023-04-18	2779,2
	ZS5Y	KF59IR	FR5DN	LG78QS	JT65b	2010-02-10	2662,4
	ZS4TX	KG30BV	ZS6NK	KG46RC	JT65b	2021-11-15	667,3
Aircraft Scatter	ZS6CBQ	KG33VU	ZS3K	KG10BU	FT4	2021-11-01	573,8
EME	ZS4TX	KG30BX	NH6Y	BL10TS	Q65	2022-12-26	19063,8
	ZS5Y	KF59IR	K7XQ	CM97QL	JT65b	2010-11-27	17266,9
	ZS4TX	KG30BX	N6WS	CM95RA	Q65	2022-12-10	16818,0
	ZS4TX	KG30BX	KL6M	BP51DC	Q65	2019-11-17	16434,2
	ZS4TX	KG30BX	KB7Q	DN45LP	JT65	2019-09-01	15856,4

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
432 MHz (70 cm) Analogue							
Tropo	ZS1O	JF95KU	ZD7GWM	IH74DB	SSB	2021-10-11	3182,7
	ZS1NAZ	JF96GC	ZD7GWM	IH74DB	SSB	2021-10-11	3141,7
	ZR1DEE	JF95GC	ZD7GWM	IH74DB	SSB	2021-09-21	3141,7
	ZS1TA/M	JF95EX	ZD7GWM	IH74DB	FM	2020-10-17	3136,7
	ZS2GK	KF47KT	FR5DN	LG78QS	SSB/FM	2010-09-13	2892,3
	ZS3JPY	JG80MH	ZD7GWM	IH74DB	FM	2019-10-18	2779.2
EME	ZS6AXT	KG33VV	NU7Z	DM43BR	CW	1990-10-05	16067,7
1,3 GHz (23 cm) Digital							
Tropo	ZS5Y	KF59JR	ZS6BUN	KG43GM	Q65	2025-03-23	475,6
	ZS6CBQ	KG33VU	ZS4N	KG30BU	FT8	2021-09-19	371,8
	ZS6BUN	KG43GM	ZS4TX	KG30BX	Q65	2024-07-01	369,3
	ZS6BUN	KG43GM	ZS6WAB	KG46RB	JT65c	2012-01-28	296,3
	ZS6Y	KG33WV	ZS6WAB	KG46RB	JT65c	2012-01-28	288,3
	ZS5LEE	KG50JF	ZS5Y	KF59IR	JT65c	2005-09-18	56,0
Aircraft Scatter	ZS4TX	KG30BX	ZS5Y	KF59JR	Q65	2025-03-16	471,9
EME	ZS5Y	KF59IR	K7QX	CM97QL	JT65c	2012-06-25	17266,9
	ZS5Y	KF59JR	VE7BBG	CO70AJ	JT65c	2011-02-12	16906,8
	ZS1LS	JF96FD	VA7MM	CN89OG	JT65c	2017-10-08	16413,4
	ZS5Y	KF59JF	W3HMS	FN10MF	JT65c	2010-06-17	13534,3
	ZS5Y	KF59IR	K2UYH	FN20MM	JT65c	2010-06-16	13371,7
1,3 GHz (23 cm) Analogue							
Tropo	ZS1TA/3	JFG81JA53	ZS1IX	JF96EB79	SSB	2024-10-24	567,7
	ZS1TA	JF96EB	ZS1IX	JF89PT	SSB	2022-11-10	427,2

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
	ZS1TA	JF96EB	ZS1IX	JF89QP	SSB	2022-11-09	410,1
	ZS6CBQ	KG33VU	ZS4N	KG39BU	SSB	2021-03-27	371,8
	ZS6PJS (ZS6NK)	KG46RC	ZS6AXT	KG33VV	CW	2000-06-17	297,5
EME	ZS6AXT	KG33VV	WB0QMN	DM79NO	CW	1989-03-12	15406,1
2,3 GHz (13 cm) Digital							
EME	ZS6EME	KG44CD	VK3NX	QF21CT	JT65c	2016-08-06	10284,9
	ZS6EME	KG44CD	HB9Q	JN47CG	JT65c	2016-07-29	8343,3
2,3 GHz (13 cm) Analogue							
EME	ZS6AXT	KG33VV	NU7Z	DM43BR	CW	1999-06-15	16067,6
	ZS6AXT	KG33VV	W7GBI	DM45AG	CW	1998-03-14	16067,1
	ZS6AXT	KG33VV	VE4MA	EN19LU	CW	1997-01-17	14655,0
	ZS6EME	KG44CD	VK3NX	QF21CT	SSB	2016-08-06	10284,9
	ZS6EME	KG44CD	HB9Q	JN47CG	SSB	2016-07-29	8343,3
ATV	ZS2ABF	KF37WA	ZS2CH	KF47AB	FSTV	1997-08-19	16,3
5,7 GHz (6 cm) Analogue							
EME	ZS6AXT	KG33EE	W7CNK	EM15FI	CW	1999-11-22	14757,2
Tropo	ZS6AXT	KG33VV	ZS6JON/6	KG45ED	SSB	2003-02-27	150,8
10 GHz (3 cm) Analogue							
Tropo	ZS6AXT	KG33VV	ZS6JON/6	KG46RC	CW	2003-12-01	297,5
	ZS1HS (ZS1AYJ)	JF96EC	ZR1AT	JG96EC	FM	1977-10-28	12,0

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
10 GHz (3 cm) Digital							
EME	ZS1LS	JF96FD	W3SZ	FN10WH	QRA-64	2019-09-19	12694,3
	ZS1LS	JF96FD	OH2DG	KP30CK	QRA-64	2019-08-24	10473,9
AMSAT Satellite							
OSCAR-7	ZS6BB (ZS6A)	KG43EU	EA6SA	JM19IO	SSB	2010-01-18	7751,0
	ZS2BK	KF26SB	PS8RF	GI84OW	CW	2010-01-08	7703,6
	ZS3SVD	KG21DO	PS8RF	GI84OW	CW	2010-05-20	7507,6
	ZS6BNE	KG33BU	PY8LF	GG54JM	CW	2009-09-20	7443,2
	ZS2ACP	KF26SA	PY8LF	GG54JM	CW	2010-02-09	7144,6
OSCAR -8	ZS2BK	KF26SA	TR8BL	JJ40RI	SSB	1978-06-08	4170,2
	ZS2BK	KF26SA	3B8DU	LG89UX	CW	1979-09-17	3353,8
	ZS2BK	KF26SA	ZD9GG	IE59BP	SSB	1978-05-05	3194,8
OSCAR-10	ZS6UF (ZS2BK)	KG43AI	WB6LLO	DM12JS	SSB	1983-09-02	16613,1
	ZR1L (ZS1TX)	JF96HD	K6RTC	CM87TP	SSB	1985-05-26	16505,2
	ZR1L (ZS1TX)	JF96HD	WA6UAP	CM87XN	SSB	1985-05-26	16467,9
	ZS5LEE	KG50JF	W7PJI	DM41QQ	SSB	2000-11-19	16345,8
	ZR1L (ZS1TX)	JF96HD	K7NN	DM42LI	SSB	1985-07-22	15372,6
OSCAR-13	ZS2ACP	KF26SA	AA4SC	EM94MX	SSB	1991-04-22	13436,1
	ZS6BTE	KG33XV	VE3DZP	FN03JE	SSB	1995-05-18	13302,1
	ZS2ACP	KF26SA	HL5OC	PM45BE	SSB	1994-04-20	13115,3
FO-29	ZS2BK	KF26SA	PY1UNU	GG86GP	SSB	2008-12-08	6729,9
	ZS2BK	KF26SA	ST2NH	KK65GP	SSB	2008-12-12	5567,7

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
OSCAR-40	ZS5LEE	KG50JF	W7AM	CN84IW	SSB	2003-03-11	17190,9
	ZS5LEE	KG50JF	K0BLT	DN81KQ	SSB	2003-03-11	15705,5
	ZS5LEE	KG50JF	KK5DO	EL29FQ	SSB	2003-08-08	14885,5
	ZS6BTE	KG33XV	XE1MEX	EK08MU	SSB	2003-01-11	14537,7
	ZS5LEE	KG50JF	KE4AZN	EM71CH	SSB	2003-08-08	14027,0
RS-44	ZS1TA	JF95FX	A65BR	LL75SL	SSB	2021-05-25	7687,1
	ZS2BK	KF26SB	VU2LBW	MK82TW	CW	2020-06-20	7579,9
	ZS2BK	KF26SB	LW2DAF	GF05RK	SSB	2020-07-17	7474,8
	ZS1TA	JF95FX	7Z1SJ	LL25WG	SSB	2021-06-14	7200,5
	ZS1TA	JF96EA	LU3EQ	GF02KQ	SSB	2022-09-13	6806,8
AO-51	ZS2BK	KF26SB	ZD8DC	II22TA	FM	2009-12-12	5000,8
	ZS2BK	KF26SB	S79AC	LI75VP	FM	2008-12-18	4539,7
HO-68	ZS2BK	KF26SB	ST2NH	KK65GP	SSB	2009-12-25	55667,7
OSCAR-91	ZS2BK	KF26SB	9G5AR	IJ95VN	FM	2019-06-21	5143.9
	ZS1TA	JF95FX	3B8FA	LG89SW	FM	2018-10-13	4143.8
	ZS2ZA	KF26SA	ZD7GWM	IH73DB	FM	2019-03-08	3709.0
	ZS1TA/2	KF36HX	FR4OZ	LG79SB	FM	2018-10-18	3153.1
	ZS1TA	JF95EX	ZD7GWM	IH74DB	FM	2019-02-25	3135.0
OSCAR 100	ZS1II	JF87XF	JW0X	JQ68TB	SSB	2022-04-23	12327,5
	ZS1II	JF87XF	OX3LX	HP15EO	SSB	2021-07-30	11926,4
	ZS5Y	KF59IR	TF3E	HP94BD	SSB	2021-05-03	11452.0
	ZS1WDK	JF96ID	TF1A	HP94BC	SSB	2019-08-28	11427.7
	ZS1LS	JF96FD	TF1A	HP94BC	SSB	2019-08-15	11420.9

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
OSCAR 117	ZS4TX	KG30BX	AG2J	FM29PB	PKT	2023-08-12	12862,9
	ZS2BK	KF26SA	7J1ADJ	PL36VJ	PKT	2024-07-27	12671,6
	ZS2BK	KF26SA	JR6RMK	PL36UF	PKT	2023-06-12	12655,6
	ZS1TA	JF95FX	N4AKV	FM02BQ	PKT	2024-02-03	12652,0
	ZS2BK	KF26SA	VE1CWJ	FN85FL	PKT	2023-03-02	12554,3

VHF/UHF/SHF Distance Records Table [Complete ODX claimed list per ZS Call area]

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
ODX ZS1							
50 MHz							
Meteor Scatter	ZS1TA	JF95FX	ZS6NK/6	KG47LI	MSK144	2022-08-07	1627,5
	ZS1NAZ	JF96GC	V51E	JG89BW	FSK441	2004-01-24	1556,6
	ZS1LS	JF96FD	ZS6NK	KG46RC	FSK441	2010-09-19	1538,5
	ZS1EK	JF95FU	ZS6OB	KG44CC	SSB	1986-05-11	1239,5
Iono Scatter	ZR1AEE	JF96IA	ZS6NK	KG46RC	JT44	2002-04-16	1531,4
TEP	ZR1ADI	JF95KU	G8BCG	IO70RK	JT65a	2014-03-18	9648,2
	ZS1LS	JF96FD	S57RR	JN65UM	CW	2014-03-04	8802,9
	ZS1LS	JF96FD	CT1HZE	IM57NH	CW	2012-11-18	8372,2
Tropo	ZS1NAZ	JF96GC	ZS6TWP/P	KG47WA	SSB	2005-01-22	1639,6
	ZR1ADI	JF95JV	ZS6NK	KG46RC	JT44	2002-05-01	1535,7
	ZR1AEE	JF96IA	ZS6WB	KG44EE	JT44	2006-06-06	1299,8
	ZS1AGF	JF96FG	ZS6Y	KG33WV	SSB	1999-10-24	1240,3

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
	ZS1NAZ	JF96GC	ZS5QM	KG50DI	SSB	2013-08-29	1207,7
Sporadic E	ZS1TA	JF95FX	ZS6SER	KG46WX	SSB	2019-06-07	1651.3
	ZS1TAF	JF96GE	ZS6SER	KG46WX	SSB	2018-01-01	1629,6
	ZS1REY	JF96GE	ZS6SER	KG46WX	SSB	2018-01-01	1629,6
	ZS1NAZ	JF96GC	ZS6NK	KG47LI	SSB	2019-01-19	1609.9
	ZS1TAF	JF96GE	ZS6NK	KG47LI	SSB	2019-01-19	1603.1
	ZS1DB	JF95EV	ZS6PJS (ZS6NK)	KG46RC	SSB	1994-11-19	1562,1
	ZS1EK	JF95FU	ZS6PJS (ZS6NK)	KG46RC	SSB	1994-11-19	1559,6
	ZS1B	JF95FW	ZS6PJS (ZS6NK)	KG46RC	SSB	1998-02-08	1553,2
	ZR1L (ZS1TX)	JF96HD	ZS3E	JG89BV	SSB	1988-12-10	1543.4
	ZS1LS	JF96FD	ZS6NK	KG46RC	SSB	2010-12-10	1537,3
F2	ZR1L (ZS1TX)	JF96HD	JH7EKS	QN00RN	SSB	1990-04-21	14982.6
	ZR1L (ZS1TX)	JF96HD	JA1BK	PM95UN	SSB	1989-05-06	14706.7
	ZR1L (ZS1TX)	JF96HD	JH2NZM	PM85KC	SSB	1991-04-21	14445.4
	ZR1L (ZS1TX)	JF96HD	JK1OXU	PM95SS	SSB	1989-05-07	14698.5
	ZR1L (ZS1TX)	JF96HD	BV2DP	PL05SA	SSB	200-04-29	12652.9
	ZS1LS	KF15NW	PJ4MM	FK52VE	FT8	2023-03-31	11065,7
	ZR1L (ZS1TX)	JF96HD	PT9FH/KP2	FK78MI	SSB	1991-04-27	10566.9
	ZR1L (ZS1TX)	JF96HD	CP6BY	FH82MB	SSB	1991-04-27	8163.4
	ZR1L (ZS1TX)	JF96HD	ZP5ZR	GG14ER	SSB	1991-04-28	7285.4
	ZR1L (ZS1TX)	JF96HD	ZD8MB	II22TB	SSB	1989-04-02	4437.1
	ZR1L (ZS1TX)	JF96HD	TL8MB	JJ94GI	SSB	1991-04-27	4228.8
70 MHz							
Meteor scatter	ZS1AGF	JF96FG	ZS6NK	KG46RC	FSK441	2011-04-23	1527,9
Tropo	ZS1PC	KF15AT	ZS2OC	KF26SA	FM	2007-01-08	323,8

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
	ZS1SKR	KF16NB	ZS2U	KF26GQ	FM	2008-01-26	219,9
144 MHz							
Meteor scatter	ZS1NAZ	JF96GC	V51E	JG89BW	FSK441	2004-01-24	1551,2
	ZS1NAZ	JF96GC	ZS6WAB	KG46RB	FSK441	2005-01-22	1531,4
	ZR1EV	JF96IC	ZS6PJS	KG46RC	SSB	1998-11-17	1523,7
Tropo	ZS1TA/M	JF95LU	ZD7GWM	IH74DB	FM	2018-11-13	3187,6
	ZS1O	JF95KU	ZD7GWM	IH74DB	SSB	2021-10-11	3182,7
	ZS1TA/M	JF95ET	ZD7GWM	IH74DB	FM	2018-11-12	3145,3
	ZS1SJ	JF95EV	ZD7GWM	IH74DB	SSB	2021-10-11	3141,8
	ZS1NAZ	JF96GC	ZD7GWM	IH74DB	FM	2018-11-11	3141,7
	ZR1DEE	JF96GC	ZD7GWM	IH74DB	FM	2018-11-11	3141,7
	ZS1TAF	JF96GE	ZS7GWM	IH74DB	SSB	2021-10-11	3136,1
	ZS1TA/M	JF96DU	ZD7GWM	IH74DB	FM	2018-11-12	3075,5
	ZS1TA/M	JF96EX	ZD7GWM	IH74DB	FM	2018-11-11	3074,7
	ZS1CF	JF96AV	ZD7GWM	IH74DB	FM	2018-11-08	3053,3
	ZS1HO	JF87FB	ZD7GWM	IH74DB	FM	2018-11-11	2920,1
	ZS1HS (ZS1AYJ)	JF96EC	ZS3B	JG73OI	SSB	1977-10-24	859,4
	ZS1TA/M	JF96EB	V51PJ	JG82IE	SSB	2019-09-08	697,5
	ZS1NAZ	JF96GC	V51PJ	JG82IE	SSB	2018-09-24	696,9
EME	ZS1LS	JF96FD	KH6/ W7EME	BL20BG	JT65b	2011-08-03	18401,2
432 MHz							
Tropo	ZS1NAZ	JF96GC	ZD7GWM	IH74DB	SSB	2021-10-11	3141,7
	ZR1DEE	JF96GC	ZD7GWM	IH74DB	SSB	2021-10-11	3141,7
	ZS1TA/M	JF96EX	ZD7GWM	IH74DB	FM	2020-10-17	3136,7

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
	ZS1HS (ZS1AYJ)	JF96EC	ZS3B	JG73OI	SSB	1977-11-05	859.4
	ZS1TA/M	JF96EB	V51PJ	JG82IE	SSB	2019-09-08	697.5
	ZS1TA/M	JF95EX	ZS3CVB	JG80KS	FM	2018-11-11	549,9
	ZS1CF	JF96AV	ZS3CVB	JG80KS	FM	2017-08-14	433,7
1,3 GHz							
EME	ZS1LS	JF96FD	VA7MM	CN89OG	JT65c	2017-10-08	16413,4
Tropo	ZS1IX	JF96EB79	ZS1TA/3	JG81JA53	SSB	2024-10-24	571,4
	ZS1TA	JF96EB	ZS1IX	JF89PT	SSB	2022-11-10	427,2
	ZS1TA	JF96EB	ZS1IX	JF89QP	SSB	2022-11-09	410,1
10 GHz (3 cm)							
Tropo	ZS1HS (ZS1AYJ)	JF96EC	ZR1AT	JG96EC	FM	1977-10-28	12.0
10 GHz (3 cm) Digital							
EME	ZS1LS	JF96FD	W3SZ	FN10WH	QRA-64	2019-09-19	12694.3
	ZS1LS	JF96FD	OH2DG	KP30CK	QRA-64	2019-08-24	10473.9
AMSAT Satellite							
AO-7	ZS1TA	JF95FX	LW2DAF	GF05RK	SSB	2020-05-04	6883.5
AO-91	ZS1TA	JF95FX	3B8FA	LG89SW	FM	2018-10-13	4243.8
	ZS1TA	JF95EX	ZD7GWM	IH74DB	FM	2019-02-25	3135.0
	ZS1OB	JF96IB	ZS1TA/6	KG57NH	FM	2019-07-25	1739.9
	ZS1TA	JF95FW	ZS6PCW	KG46RC	FM	2018-10-18	1553,2
	ZS1TBP	KF16FA	ZS6PCW	KG46RC	FM	2018-10-17	1308,5

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
AO-10	ZR1L (ZS1TX)	JF96HD	K6RTC	CM87TP	SSB	1985-05-26	16497.8
	ZR1L (ZS1TX)	JF96HD	WA6UAP	CM87XN	SSB	1985-05-26	16467.0
	ZR1L (ZS1TX)	JF96HD	K7NN	DM42LI	SSB	1985-07-22	15372.6
	ZR1L (ZS1TX)	JF96HD	WB7OHF	DM42OG	SSB	1986-01-24	15347.4
	ZR1L (ZS1TX)	JF96HD	JR8XPV	QN13TC	SSB	1988-07-26	15202.4
	ZR1L (ZS1TX)	JF96HD	JA7AQR	QM08EY	SSB	1988-07-26	14857.8
	ZR1L (ZS1TX)	JF96HD	JA9LX	PM86SW	SSB	1985-11-26	14560.4
	ZR1L (ZS1TX)	JF96HD	W1YRM/KH2	QK23JK	SSB	1985-07-19	14162.8
	ZR1L (ZS1TX)	JF96HD	HL1ASS	PM37LN	SSB	1985-06-08	13685.8
	ZR1L (ZS1TX)	JF96HD	YJ8RG	RH42DG	SSB	1985-07-20	13458.1
	ZR1L (ZS1TX)	JF96HD	FK1TK	RG37FR	SSB	1986-08-31	12925.7
	ZR1L (ZS1TX)	JF96HD	P29JS	QJ30NM	SSB	1985-03-09	12764.7
	ZR1L (ZS1TX)	JF96HD	ZL3DX	RE66HL	SSB	1985-10-19	11040.3
	ZR1L (ZS1TX)	JF96HD	ZS6ALE	KG46RC	SSB	1985-07-06	1526.1
RS-44	ZS1TA	JF95FX	A65BR	LL75SL	SSB	2021-05-25	7687.1
	ZS1TA	JF95FX	7Z1SJ	LL25WG	SSB	2021-06-14	7200,5
	ZS1TA	JF96EA	LU3EQ	GF02KQ	SSB	2022-09-13	6806,1
	ZS1TA	JF96EA	LU4DPO	GF02KQ	SSB	2022-09-13	6806,1
OSCAR 100	ZS1II	JF87XF	JW0X	JQ68TB	SSB	2022-04-23	12327,5
	ZS1II	JF87XF	OX3LX	HP15EO	SSB	2021-07-30	11926,4
	ZS1WDK	JF96ID	TF1A	HP94BC	SSB	2019-08-28	11427.7
	ZS1LS	JF96FD	TF1A	HP94BC	SSB	2019-08-15	11420.9
	ZS1LS	JF96FD	UA9FFF	LO87IW	SSB	2019-08-19	10780.5
	ZS1LS	JF96FD	OH/AD7D	KP20DL	SSB	2019-08-24	10468.2
	ZS1C	JF96RI	UA3TCF	LO26IU	CW	2019-02-16	10306.8
	ZS1C	JF96RI	SM6PGP	JO99AH	CW	2019-02-16	10302.3

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
	ZS1C	JF96RI	PA3FYM	JO22NF	CW	2019-02-16	9614,9
	ZS1C	JF96RI	DJ7AL	JO61VC	CW	2019-02-16	9404,1
	ZS1C	JF96RI	HB9FMC	JN37NE	CW	2019-02-16	9036,8
	ZS1C	JF96RI	9A2EY	JN85AT	CW	2019-02-16	8805,9
OSCAR 117	ZS1TA	JF95FX	N4AKV	FM02BQ	PKT	2024-02-03	12652,0
	ZS1TA	JF95FX	AG2J	FM20PB	PKT	2023-12-17	12547,0
	ZS1TA	JF96EB	BH7AHS	OL59WQ	PKT	2022-12-26	12086,2
	ZS1TA	JF96EB	ZL3TCM	RE66HK	PKT	2022-12-01	11010,3
	ZS1TA	JF96EB	UN3G	MN83JO	PKT	2022-12-26	10456,4
ODX ZS2							
40 MHz							
40 MHz (8 Metres)							
Meteor Scatter	ZS2ACP	KF26SA	ZS6WAB	KG46RB	FSK44I	2015-09-06	1176,3
50 MHz							
Tropo	ZS2BE	KF26SA	ZS8MI	KE83WC	CW	1989-12-08	1770,8
	ZS2FM	KF26TA	ZS8MI	KE83WC	SSB	1989-12-11	1766,7
	ZS2FM	KF26TA	ZS6PJS	KG46RC	SSB	1995-03-27	1178,1
	ZS2FM	KF26TA	ZS6BZT	KG43BE	CW	1984-04-29	829,9
Sporadic E	ZS2CY	KF26TA	ZS3G	JH80UR	AM	1957-11-17	1808,6
	ZS2FM	KF26TA	ZS8MI	KE83WC	SSB/FM	1989-12-11	1766,7
Meteor Scatter	ZR2DX	KF26TA	TO4E	LG07EQ	SSB	2003-12-06	1937,7
	ZS2ACP	KF26sa	V51DM	JG77ii	MSK144	2021-01-03	1644,7

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
TEP	ZS2U	KF26GQ	FC1GTU	JN05IE	SSB	1991-10-05	9020,1
70 MHz							
Meteor Scatter	ZS2ACP	KF26SA	ZS6NK	KG46RC	FSK441	2008-08-31	1180,6
	ZS2ACP	KF26SA	V51PJ	JG82IE	FSK441	2011-03-29	1085,7
	ZS2BK	KF26SB	V51PJ	JG82IE	FSK441	2016-01-16	1083,0
	ZS2ACP	KF26SA	ZS6NK	KG46RC	SSB	2009-01-18	1180,6
	ZS2ACP	KF26SA	ZS6WAB	KG46RB	SSB	2010-01-16	1176,3
Tropo	ZS2ACP	KF26SA	ZS6NK	KG46RC	SSB	2009-05-06	1180,6
	ZS2OC	KF26SA	ZS1PC	KF26SA	FM	2007-01-08	323,8
	ZS2U	KF26SA	ZS1SKR	KF16NB	FM	2008-01-26	219,9
144 MHz							
Tropo	ZS2ACP	KF26SA	FR5DN	LG78QS	JT65b	2010-02-09	3249,9
	ZS2BK	KF26SB	FR5DN	LG78QS	JT65b	2015-10-07	3248,4
	ZS2ABF	KF37WA	FR5DN	LG78QS	JT65b	2010-09-13	3009,1
	ZS2GK	KF47KT	FR5DN	LG78QS	JT65b	2009-09-02	2892,3
	ZS2BK	KF26SB	FR5DN	LG78QS	SSB/CW	2015-10-07	3248,4
	ZS2ABF	KF37WA	FR5DN	LG78QS	SSB	2010-09-13	3009,1
	ZS2AH	KF37WB	FR5DN	LG78QS	SSB	2010-09-13	3007,6
	ZS2HC	KF37WB	FR5DN	LG78QS	SSB	2016-08-29	3007,6
	ZS2GK	KF47KT	FR5DN	LG78QS	SSB/FM	2008-08-14	2892,3
EME	ZS2GK	KF47KT	K7MI	CN73TC	JT65b	2008-07-08	17382,6
Meteor Scatter	ZS2FM	KF26TA	ZS6PJS	KG46RC	SSB	1998-11-17	1180,7

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
	ZS2FM	KF26TA	ZS6HS	KG33XR	SSB	1998-11-17	885,5
432 MHz							
Tropo	ZS2GK	KF47KT	FR5DN	LG78QS	JT65b	2010-09-13	2892,3
	ZS2GK	KF47KT	FR5DN	LG78QS	SSB/FM	2010-09-13	2892,3
1,3 GHz							
Tropo	ZS1TA/3	JG81JA	ZS1IX	JF96EB	SSB	2024-10-24	571,4
2,3 GHz							
5,7 GHz							
AMSAT Satellite							
OSCAR-7	ZS2BK	KF26SB	PS8RF	GI84OW	CW	2010-01-08	7703,6
	ZS2ACP	KF26SA	PY8LF	GG54JM	CW	2010-02-09	7144,6
	ZS2BK	KF26SB	VQ9JC	MI53PH	SSB	2009-11-07	5584,7
OSCAR-8	ZS2BK	KF26SB	TR8BL	JJ40RI	SSB	1978-06-08	4170,2
	ZS2BK	KF26SB	3B8DU	LG89UX	CW	1979-09-17	3353,8
	ZS2BK	KF26SB	ZD9DG	IE59BP	SSB	1978-05-05	3198,4
OSCAR-13	ZS2ACP	KF26SA	AA4SC	EM94MX	SSB	1991-04-22	13436,1
	ZS2ACP	KF26SA	HL5OC	PM45BE	SSB	1994-04-20	13115,3
FO-29	ZS2BK	KF26SB	PY1UNU	GG86GX	SSB	2008-12-08	6729,9
	ZS2BK	KF26SB	ST2NH	KK65GP	SSB	2008-12-17	5567,7
AO-51	ZS2BK	KF26SB	ZD8DC	I122TA	FM	2009-12-12	5000,8

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
	ZS2BK	KF26SB	S79AC	LI75VP	FM	2008-12-18	4539,7
HO-68	ZS2BK	KF26SB	ST2NH	KK65GP	SSB	2009-12-25	5567,7
OSCAR-91	ZS2BK	KF26SB	9G5AR	IJ95VN	FM	2019-06-21	5143,9
	ZS2ZA	KF26SB	ZD7GWM	IH74DB	FM	2019-02-08	3709,0
	ZS1TA/2	KF36HX	FR4OZ	LG79SB	FM	2018-10-29	3153,1
	ZS2BK	KF26SB	ZS6SER	KG46WX	FM	2017-12-04	1281,7
	ZS2ZA	KF26SB	ZS6PCW	KG46RC	FM	2018-10-18	1180,6
DOSAAF 85	ZS2BK	KF26SB	VU2LBW	MK82TW	CW	2020-06-20	7579,9
	ZS2BK	KF26SB	LW2DAF	GF05RK	SSB	2020-07-17	7474,8
Ao-117	ZS2BK	KF26SA	7J1ADJ	PL36VJ	PKT	2024-07-27	12671,6
	ZS2BK	KF26SA	JR6RMK	PL36UF	PKT	2023-06-12	12655,6
	ZS2BK	KF26SA	VE1CWJ	FN85FL	PKT	2023-03-02	12554,3
	ZS2BK	KF26SA	BA1PK	ON80EB	PKT	2023-04-28	12418,0
	ZS2BK	KF26SA	BX1AD	PL04VQ	PKT	2023-05018	12052,2
	ZS2BK	KF26SA	BG5UZW	OL96BB	PKT	2022-12-14	11910,5
ODX ZS3							
40 MHz							
F2	V51PJ/3	JG81KV	WM2XEJ	EM83HH	FT8	2023-10-28	12559,2
	V51PJ/3	JG81KV	VA2CYX	FN46LN	FT8	2023-11-03	12098,1
TEP	V51PJ/3	JG81KV	EI4GNB	IO63WE	FT8	2023-12-03	9309,2
	V51PJ/3	JG81KV	EI4GEB	IO52RN	FT8	2023-12-03	9303,9
	V51PJ/3	JG81KV	EI2IP	IO52MM	FT8	2023-11-03	9307,0

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
	V51PJ/3	JG81KV	EI3KD	IO51VW	FT8	2023-11-03	9230,6
	V51PJ/3	JG81KV	G8BCG	IO70RK	FT8	2023-11-13	8984,7
50 MHz							
Sporadic E	ZS3G	JH80UR	ZS2CY	KF26TA	AM	1957-11-17	1808,6
	ZS3JPY	JG80MH	ZS5DCF	JG80MH	SSB	2019-03-19	1353,7
Meteor Scatter	ZS6JON/3	KG12RM	ZS6NK	KG46RC	FSK441	2003-07-03	721,2
	ZS3SVD	KG21DO	ZS6NK	KG46RC	FSK441	2009-12-24	717,8
TEP	ZS6PJS/3 (ZS6NK)	KG01FP	GW3MFY	IO81FM	SSB	1991-11-03	9154,6
	ZS6PJS/3 (ZS6NK)	KG01FP	G3KOX	IN91VU	SSB	1991-11-03	9111,5
144 MHz							
Tropo	ZS3JPY	JG80MH	ZD7GWM	IH74DB	FM	2018-11-07	2779,2
	ZS3TO	JG80MH	ZD7GWM	IH74DB	FM	2018-11-07	2779,2
	ZS3JPY	JG80MH	ZD7GWM	IH74DB	FT8	2023-04-17	2779,2
	ZS3TO	JG80MH	ZD7GWM	IH74DB	FT8	2023-04-17	2779,2
	ZS3CVB	JG80KS	ZD7GWM	IH74DB	FM	2018-11-07	2740,9
432 MHz							
Tropo	ZS3JPY	JG80MH	ZD7GWM	IH74DB	FM	2019-10-18	2779,2
	ZS3JPY	JG80MH	ZD7GWM	IH74DB	FT8	2023-04-18	2779,2
	ZS3TO	JG80MH	ZD7GWM	IH74DB	FT8	2023-04-18	2779,2
	ZS3CVB	JG80KS	ZD7GWM	IH74DB	FM	2019-10-18	2741,0
	ZS3CVB	JG80KS	ZS1TA/M	JF95EX	FM	2018-11-11	549,9
	ZS3CVB	JG80KS	ZS1CF	JF96AV	FM	2017-08-14	433,7

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
Aircraft Scatter	ZS3K	KG10BU	ZS6CBQ	KG33VU	FT4	2021-11-01	573,8
ODX ZS4							
40 MHz							
TEP	ZS4TX	KG30AU	EI2IP	IO52QJ	FT8	2023-01-31	9673,0
	ZS4TX	KG30AU	G9PUV	JO00AU	FT8	2022-04-07	9255,0
	ZS4TX	KG30AU	S59F	JN65TX	FT8	2022-04-12	8846,9
	ZS4TX	KG30AU	S50B	JN65XU	FT8	2022-04-07	8424,8
	ZS4TX	KG30AU	9A5CW	JN65UF	FT8	2022-04-12	8363,8
	ZS4TX	KG30AU	EA7CI	IM77PV	FT8	2022-04-12	8112,0
50 MHz							
Meteor Scatter	ZS4TX	KG30BW	9J2JD	KH37XJ	FSK441	2005-07-17	1839,9
	ZS4S	KG41NR	ZS9A	JG77GB	CW	1991-11-03	1578.1
EME	ZS4TX	KG30BX	KH6Y	BL10TS	Q65a	2022-05-17	19063,8
	ZS4TX	KG30BV	W6BBS	DM06BW	JT65a	2013-09-11	16751,0
TEP	ZS4TX	KG30BV	GM0GAV	IO86JK	SSB	2012-10-28	9875,4
	ZS4S	KG41NR	GI8YDZ	IO65QF	SSB	1989-02-26	9859,4
	ZS6PJS/4 (ZS6NK)	KG30FX	GI00TC	IO65QE	SSB	1991-04-05	9849,5
	ZS4NS	KG32LA	OH1FA	KP10QL	SSB	1989-02-26	9807,9
	ZS4TX	KG30BV	OZ1BTE	JO66CE	SSB	2012-10-28	9541,7
	ZS4TX	KG30BV	OZ2SYV	JO45RS	SSB	2012-10-28	9536,3
	ZS4TX	KG30BV	OZ8ZS	JO55RT	SSB	2012-10-28	9511,1
	ZS4TX	KG30BV	OZ2PJ	JO65ER	SSB	2012-10-28	9489,6
	ZS4TX	KG30BV	OZ1BNN	JO55PM	SSB	2012-10-28	9481,8
	ZS4TX	KG30BV	OZ1AXG	JO65FP	SSB	2012-10-28	9479,4

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
	ZS6PJS/4 (ZS6NK)	KG30FX	SM7FJE	JO65ML	SSB	1991-04-05	9448,9
	ZS4TX	KG30BV	PA7TWO	JO22JP	SSB	2012-10-28	9290,5
	ZS4TX	KG30BV	PA0LSB	JO21LQ	SSB	2012-10-28	9185,7
	ZS4TX	KG30BV	GU6AJE	IN89MM	CW	2002-03-13	9172,9
	ZS4TX	KG30BV	DL8YHR	JO41GV	SSB	2012-10-28	9135,5
	ZS4TX	KG30BV	GJ3YHU	IN89VE	SSB	2002-09-20	9116,3
	ZS4TX	KG30BV	CU3EZ	HM67LL	CW	2013-11-17	9221,1
	ZS4TX	KG30BV	SP5EWY	KO02LB	CW	2012-10-28	9004,9
	ZS4TX	KG30BV	SP9FKQ	JO90LI	CW	2013-11-17	8842,9
	ZS4TX	KG30BV	SP6ASD	JO81LD	CW	2002-03-13	8934,3
	ZS4TX	KG30BV	SP7EXY	KO00QV	CW	2012-10-28	8873,2
F2	ZS4TX/6	KG47UR	3D2AG	RH91FV	FT8	2023-04-07	~25678,0
	ZS4S	KG41NR	VE1YX	FN74PJ	CW	1990-03-27	12434.6
	ZS4S	KG41NR	VK4ASO	QG63IT	CW	1991-04-19	11493.5
	ZS4S	KG41NR	VK4ZNC	QG62LQ	SSB	1991-04-19	11429.8
	ZS4S	KG41NR	VK4APG	QG62LP	CW	1991-04-19	11426.7
	ZS4S	KG41NR	KP2A	FK78RM	CW	1991-04-28	11315.3
	ZS4S	KG41NR	VK6YU	QF77UQ	CW	1991-04-25	11248.9
	ZS4S	KG41NR	YV4AB	FK60AE	CW	1991-04-28	11234.1
	ZS4TX	KG30AU	PJ4MM	FK52VG	FT4	2023-03-23	11070,6
	ZS4S	KG41NR	FM5WD	FK94MP	CW	1991-11-23	10781.1
	ZS4TX	KG30AU	FG8OJ	FK52VG	FT8	2023-03-31	10736,0
	ZS4S	KG41NR	VK3OT	QF12AG	CW	1991-04-19	9908.8
	ZS4S	KG41NR	VK5NC	QF02JE	CW	1991-04-20	9813.7
	ZS4S	KG41NR	VK5NY	PF94HS	SSB	1991-04-19	9112.6
	ZS4S	KG41NR	ZP6XDW	GG14JP	CW	1991-04-28	8388.2
	ZS4S	KG41NR	LU7DZ	GF05GK	CW	1991-04-28	8171.7

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
	ZS4S	KG41NR	LU8AHW	GF05PJ	CW	1991-04-28	8106.6
	ZS4S	KG41NR	LU3EX	GF05RL	CW	1991-04-28	8096.0
	ZS4S	KG41NR	PY5CC	GG54RE	SSB	1991-04-28	7568.2
	ZS4S	KG41NR	PY2BBL	GG66QL	CW	1991-04-28	7483.3
	ZS4S	KG41NR	PY0FF	HI36SD	SSB	1991-04-28	7037.3
70 MHz							
144 MHz							
EME	ZS4TX	KG30BX	NH6Y	BL01TS	JT65b	2017-11-24	19063,8
Tropo	ZS4PV	KG30CU	ZS6PJS (ZS6NK)	KG46RC	SSB	1993-11-01	665,7
	ZS4DS	KG30CV	ZS6PJS (ZS6NK)	KG46RC	SSB	1993-02-06	661,7
	ZS4A	KG41DS	ZS6SER	KG46WX	SSB	2017-04-02	598,5
TEP	ZS4BU	KG33VE	SV1AB	KM18VC	CW	1981-09-17	7197,7
Meteor Scatter	ZS4TX	KG30BX	UT1FG/MM	JG36PI	FSK441	2022-05-18	1967,0
	ZS4TX	KG30BX	UT1FG/MM	JG36WQ	MSK144	2022-04-01	1926,1
432 MHz							
Tropo	ZS4TX	KG30BV	ZS6NK	KG46RC	JT65b	2022-11-15	667,3
	ZS4TX	KG30BV	ZS6NK	KG46RC	CW	2022-11-15	667,3
	ZS4TX	KG30BX	ZS5Y	KF59JR	Q65	2021-12-12	471,9
	ZS4TX/P	KG12XR	ZS6WB	KG44DH	SSB	1987-06-17	465,8
	ZS4TX/P	KG22DR	ZS6WB	KG44DH	CW	1987-06-19	435,7
EME	ZS4TX	KG30BX	NH6Y	BL10TS	Q65	2022-12-26	19063,8
	ZS4TX	KG30BX	N6WS	CM95RA	Q65	2022-12-10	16818,0

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
	ZS4TX	KG30BX	KL6M	BP51DC	CW	2019-11-17	16434,2
	ZS4TX	KG30BX	KB7Q	DN45LP	JT65	2019-09-01	15864,4
	ZS4TX	KG30BX	VE6TA	DO33GS	Q65	2012-20-30	15756,6
1,3 GHz							
Tropo	ZS4N	KG30BU	ZS6CBQ	KG33VU	SSB	2021-03-27	371,8
	ZS4TX	KG30BX	ZS6BUN	KG43GM	Q65	2024-07-01	369,3
	ZS4A	KG41DS	ZS6CBQ	KG33VU	SSB	2018-08-04	236,1
Aircraft Scatter	ZS4TX	KG30BX	ZS5Y	KF49JR	Q65	2025-03-16	471,9
2,3 GHz (13 cm) Digital							
5,7 GHz (6 cm) Analogue							
AMSAT Satellite							
OSCAR-91	ZS4A	KG41DS	ZS6SER	KG46WX	FM	2018-06-09	598,5
AO-117	ZS4TX	KG30BX	AG2J	FM29BP	PKT	2023-08-12	12977,9
	ZS4TX	KG30BX	VE1CWJ	FN85II	PKT	2023-07-08	12210,3
ODX ZS5							
50 MHz							
TEP	ZS5Y	KF59IR	S57RR	JN65UM	JT44	2011-11-17	8567,0
	ZS5Y	KF59IR	EA3AKY	JN11AK	JT44	2011-11-17	8468,6
	ZS5Y	KF59IR	EA3GP	JN01SF	JT44	2011-11-17	8465,7
	ZS5Y	KF59IR	IZ5BRW	JN53OP	JT44	2011-11-17	8422,4

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
EME	ZS5Y	KF59IR	K6MYC	DM07BD	JT65a	2012-04-04	17208,7
	ZS5LEE	KG50JF	K6MYC	DM07BD	JT65a	2005-04-28	17190,5
Meteor Scatter	ZS5Y	KF59IR	V51DM	JG77II	MSK144	2021-01-30	1801,5
	ZS5DJ	KF59IA	7Q7JL	KH74MG	SSB	1993-03-28	1745,5
Tropo	ZS5QM	KG50DI	ZS1NAZ	JF96GC	SSB	2013-08-29	1207,7
Sporadic E	ZS5DJ	KF59IA	ZR1BCE/8	KE83WC	SSB	1995-11-14	1871,0
	ZS5DCF	KG50MF	V51PJ	JG82IE	SSB	2019-01-19	1415.2
	ZS5DCF	KG50MF	ZS3JPY	JG80MH	SSB	2019-01-19	1353.7
TEP	ZS5LEE	KG50KE	G3NVO	IO91JK	SSB	1999-11-07	9533,0
	ZS5LEE	KG50KE	ON4IQ	JO20AR	SSB	2002-03-11	9303,8
	ZS5LEE	KG50KE	DD7VW	JN39NJ	SSB	2000-04-24	9083,6
	ZS5Y	KG50KE	DL7QY	JN59BD	SSB	1999-11-07	8984,6
	ZS5QM	KG59IR	S57RR	JN65UM	SSB	2011-11-17	8565,0
	ZS5LEE	KF50DL	S57RR	JN65UM	SSB	2011-11-17	8490,8
F2 (Short Path)	ZS5LEE	KG50KE	KH7R	BL01XP	SSB	2000-04-16	18745,6
	ZS5QM	KG50KE	KH6/K6MIO	BK29KS	SSB	2000-04-16	18743,6
	ZS5LEE	KG50MF	KH6IAA	BK29RK	SSB	1981-04-06	18733,0
	ZS5QM	KG50KE	KH7L	BL11AJ	SSB	2000-04-16	18730,4
	ZS5DJ	KF59EC	KH7R	BL01XP	SSB	2000-04-16	18689.9
	ZS5DJ	KF59EC	KH6/K6MIO	BK29KS	SSB	2000-04-16	18657.8
	ZS5QM	KG50MF	KH6FQ	BL11AK	SSB	1981-04-25	17775,1
F2 (Long-path)	ZS5QM	KG50MF	KL7WE	BP51AE	SSB	1981-04-26	~23488

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
	ZS5QM	KG50MF	KH6HI	BL01WI	SSB	1981-04-26	~21292
	ZS5DJ	KG50MF	KH6IJ	BL11CG	SSB	1981-04-26	~21276
70 MHz							
144 MHz							
Tropo	ZS5LEE	KF59IA	FR5DN	LG78QS	JT65b	2010-02-09	2685,3
Meteor Scatter	ZS5LEE	KG50JF	V51E	JG89BW	FSK441	2003-07-27	1827,8
	ZS5DJ	KF59EC	ZR1EV	JF96IC	SSB	1998-11-17	1146.2
EME	ZS5HV	KG50JF	NH6Y	BL01TS	JT65b	2018-01-06	18741,6
	ZS5LEE	KF59JR	NH6Y	BL01TS	JT65b	2017-10-20	18703,1
	ZS5LEE	KG50JF	K7XQ	CM97GL	JT65b	2004-06-20	17323,1
	ZS5LEE	KG50JF	K6MYC	DM07DB	JT65b	2006-03-18	17177,5
	ZS5LEE	KG50JF	N7NW	CN87QF	JT65b	2015-12-01	17019,6
	ZS5LEE	KG50JF	DF7KF	JO30JO	SSB	2004-06-04	9244,0
	ZS5JF	KG50JF	RN6BN	KN95LC	SSB	2005-01-15	8331,0
Aircraft Scatter	ZS5QM	KG50IF	ZS6LW	KG43CT	SSB	1986	467,0
	ZS5JF	KG50DK	ZS6LW	KG43CT	SSB	1986	426,5
432 MHz							
Tropo	ZS5Y	KF59IR	FR5DN	LG78QS	JT65b	2010-02-10	2662,4
	ZS5Y	KF59IR	FR5DN	LG78QS	SSB	2010-02-10	2662,4
	ZS5Y	KF59IR	ZS4TX	KG30BX	Q65	2012-12-12	471,9
EME	ZS5Y	KF59IR	K7XQ	CM97QL	JT65b	2010-11-27	17266,9

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
	ZS5LEE	KF50JF	N9AB	EN52XG	JT65b	2004-12-30	14981,2
1,3 GHz							
Tropo	ZS5Y	KF59JR	ZS6BUN	KG43GM	Q65	2025-03-23	475,6
	ZS5LEE	KG50JF	ZS5Y	KF59IR	JT65c	2005-09-18	56,0
EME	ZS5Y	KF59IR	K7QX	CM97QL	JT65c	2012-06-25	17266,9
	ZS5Y	KF59JR	VE7BBG	CO70AJ	JT65c	2011-02-12	16906,8
	ZS5Y	KF59JF	W3HMS	FN10MF	JT65c	2010-06-17	13534,3
	ZS5Y	KF59IR	K2UYH	FN20MM	JT65c	2010-06-16	13371,7
	ZS5LEE	KG50JF	K2UYH	FN20MM	JT65c	2005-05-07	13349,1
Aircraft Scatter	ZS5Y	KF59JR	ZS4TX	KG30BX	Q65	2025-03-16	471,9
5,7 GHz							
AMSAT Satellite							
OSCAR-10	ZS5LEE	KG50JF	W7PJI	DM41QQ	SSB	2000-11-19	16345,8
	ZS5LEE	KG50JF	W8WRP	EM89TV	SSB	2000-11-19	13948,5
	ZS5LEE	KG50JF	VE3TFU	EN92VW	SSB	2000-11-19	13853,4
	ZS5LEE	KG50JF	VE3DZP	FN03JE	SSB	2000-11-19	13759,1
OSCAR-40	ZS5LEE	KG50JF	W7AM	CN84IW	SSB	2003-03-11	17190,9
	ZS5LEE	KG50JF	K0BLT	DN81KQ	SSB	2003-03-11	15705,5
	ZS5LEE	KG50JF	KK5DO	EL29FQ	SSB	2003-08-08	14885,5
	ZS5LEE	KG50JF	KE4AZN	EM71CH	SSB	2003-08-08	14027,0

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
AO-91	ZS1TA/5	KG62AJ	V51DM	JG77II	FM	2019-04-21	1830.3
AO -100	ZS5Y	KG59IR	TF3E	HP94BD	SSB	2021-05-03	11452,0
	ZS5LEE	KG50JF	TF3IRA	HP94AD	SSB	2019-10-26	11405.8
	ZS5LEE	KG50JF	TF1A	HP94BC	SSB	2019-05-22	11399.7
	ZS5LEE	KG50JF	R0AU	NO66KA	SSB	2019-06-02	11190.5
	ZS5LEE	KG50JF	LA6GH	JP32CL	SSB	2019-06-23	10489.7
	ZS5LEE	KG50JF	G4BXD	IO88JU	SSB	2019-05-16	10273.6
	ZS5LEE	KG50JF	LA9TKA	JO59ES	SSB	2019-05-10	10131.5
	ZS5LEE	KG50JF	GM4ZJI	IO86KE	SSB	2019-06-17	10082.1
	ZS5LEE	KG50JF	LA3EQ	JO28XJ	SSB	2019-05-25	10071.1
	ZS5LEE	KG50JF	OH/AD7D	KP20DL	SSB	2019-05-17	10052.9
	ZS5LEE	KG50JF	LA6OJ	JO38HH	SSB	2019-05-11	10049.1
	ZS5LEE	KG50JF	UA9FF	LO87IW	SSB	2019-06-23	10048.0
	ZS5LEE	KG50JF	B0/BA4TD	NN33SU	SSB	2019-08-11	10012.7
ODX ZS6							
40 MHz							
TEP	ZS6OB	KG44DE	EI9KP	IO54MB	FT8	2022-04-21	9563,9
	ZS6OB	KG44DE	G9PUV	JO00AU	FT8	2022-04-07	8964,9
	ZS6OB	KG44DE	S50B	JN64AU	FT8	2022-04-07	7991,4
Tropo	ZS6BTE	KG33XV	ZS6WAB	KG46RB	FSK441	2015-08-16	283,7
Meteor Scatter	ZS6WAB	KG46RB	ZS2ACP	KF26SA	FSK44I	2015-09-06	1176,3
50 MHz							

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
Tropo	ZS6TWB/p	KG47WA	ZS1NAZ	JF96GC	SSB	2005-01-22	1639,6
	ZS6NK	KG46RC	FT4JA	LH12IW	JT65a	2016-04-05	1574,2
	ZS6NK	KG46RC	ZR1ADI	JF95JV	JT44	2002-05-01	1535,7
	ZS4TX/6	KG47UR	FT4JA	LH12IW	JT65a	2016-04-05	1478,4
	ZS6PJS (ZS6NK)	KG46RC	ZS9H	JG77GB	SSB	1991-09-29	1527,6
	ZS6WB	KG44EE	ZR1AEE	JF96IA	JT44	2016-06-06	1299,8
	ZS6Y	KG33WV	ZS1AGF	JF96FG	SSB	1999-10-24	1240,3
	ZS6PJS (ZS6NK)	KG46RC	ZS2FM	KF26TA	SSB	1995-03-27	1178,1
	ZS6BZT	KG43BE	ZS2FM	KF26TA	CW	1984-04-29	829,9
	ZS6NK	KG46RC	7P8Z	KG40PJ	CW	2015-09-10	635,4
Meteor Scatter	ZS6AYE	KG54ML	D64K	LH18PJ	FSK441	2012-08-14	2012,6
	ZS6NK/6	KG47LI	ZS1TA	JF95FX	MSK144	2022-08-07	1627,7
	ZS6NK	KG46RC	ZS1LS	JF96FD	FSK441	2010-09-19	1538,5
	ZS6AYE	KG34IL	ZS9A	JG77GB	SSB	1992-09-20	1267,9
	ZS6OB	KG44CC	ZS1EK	JF95FU	SSB	1986-05-11	1239,5
Iono scatter	ZS6NK	KG46RC	ZS1AEE	JF96IA	JT44	2002-04-16	1531,4
EME	ZS6NK	KG46RC	K6QXY	CM88QL	JT65a	2005-02-25	16926,8
	ZS6NK	KG47LI	W6XU	CM88MJ	JT65a	2018-08-13	16830,2
	ZS6NK	KG46RC	K7XQ	CM97QI	JT65a	2010-02-02	16809,5
	ZS6NK	KG46RC	W6BBS	DM06BW	JT65a	2013-10-18	16761,4
	ZS6NK	KG46RC	K6MYC	DM07BD	JT65a	2005-03-19	16754,1
	ZS6NK	KG46RC	W6SR	CM98NS	JT65a	2016-10-14	16773,9
	ZS6NK	KG46RC	N6RMJ	DM14CP	JT65a	2004-03-08	16639,4
	ZS6NK	KG46RC	K7AD	DN06IH	JT44	2002-12-21	16277,6

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
Aircraft Scatter (Enhanced)	ZS6OB	KG44CC	ZS1AX	JF96IB	FSK441	2015-01-17	1278,5
Sporadic-E	ZS6NK	KG46RC	5H1KB	KI94PG	FT8	2025-04-27	2277,4
	ZS6WN	KG46SC	5H1KB	KI94PG	FT8	2025-04-27	2273,3
	ZS6PJS (ZS6NK)	KG46RC	9U5D	KI46GO	CW	2000-03-05	2270,2
	ZS6SER	KG46WX	ZS1TA	JF95FX	SSB	2019-06-07	1651,3
	ZS6SER	KG46WX	ZS1TAF	JF96GE	SSB	2018-01-01	1629,6
	ZS6SER	KG46WX	ZS1REY	JF96GE	SSB	2018-01-01	1629,6
	ZS6NK	KG47LI	ZS1NAZ	JF96GC	SSB	2019-01-19	1609,9
	ZS6NK	KG47LI	ZS1TAF	JF96GE	SSB	2019-01-19	1603,1
	ZS6PJS (ZS6NK)	KG46RC	ZS1DB	JF95EV	SSB	1994-11-19	1562,1
	ZS6PJS (ZS6NK)	KG46RC	ZS1EK	JF95FU	SSB	1994-11-19	1559,6
	ZS6PJS (ZS6NK)	KG46RC	ZS1B	JF95FW	SSB	1998-02-08	1553,2
	ZS6NK	KG46RC	ZS1LS	JF96FD	SSB	2010-12-10	1537,3
F2 (Short Path)	ZS6PJS (ZS6NK)	KG46RC	KH6/K6MIO	BK29KS	SSB	2000-04-10	19360,2
	ZS6NK	KG46RC	KH6SX	BK29IK	SSB	2002-04-21	19321,2
	ZS6LN	KG46RC	KH6IAA	BK29IA	SSB	1979-04-15	19286,1
	ZS6AXT	KG33VV	AH6TM	BL01XM	SSB	2000-04-11	19238,3
	ZS6BTE	KG33XV	KH7L	BL11AJ	SSB	2000-04-13	19222,4
	ZS6PJS (ZS6NK)	KG46RC	KH7R	BL01XP	SSB	2000-04-10	19220,3
	ZS6NK	KG46RC	AH7C	BL11BJ	FT0	2025-04-06	19213,4
	ZS6WB	KG44EE	AH6TM	BL01XM	SSB	2000-04-16	19213,3
	ZS6LW	KG43CT	AH6TM	BL01XM	SSB	2000-04-11	19200,6
	ZS6BTE	KG33XV	KH6SX	BK29IK	CW	2000-04-13	19198,3
	ZS6NJ	KG33VV	CO8LY	FL20CA	FT8	2023-02-24	12277,5
	ZS6NK	KG46RC	JX7DFA	IQ50OV	SSB	2002-02-26	10952,5

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
F2 (Long-path)	ZS4TX/6	KG47LI	ZL1RS	RF64VS	FT8	2025-03-14	~27400,0
	ZS6NK	KG46RC	3D2AG	RH91FV	FT8	2023-04-07	~25745
	ZS6NK	KG46RC	3D2AG	RH91FV	SSB	2023-04-07	~25745
	ZS6AYE	KG54ML	E51CG	BG08CT	SSB	2014-03-11	~25293
	ZS4TX/6	KG55LP	E51CG	BG08CT	SSB	2014-04-03	~25165
	ZS6TQ	KG55LP	E51CG	BG08CT	SSB	2014-04-03	~25165
	ZS6WN	KG46SC	E51CG	BG08CT	SSB	2014-04-03	~25085
	ZS6NK	KG46RC	E51CG	BG08CT	SSB	2014-04-03	~25083
	ZS4TX/6	KG47UR	E51EME	BG08CS	FT8	2024-09-07	~24931
70 MHz							
Meteor Scatter	ZS6NK	JF96FG	ZS1AGF	JF96FG	FSK441	2011-04-23	1527,9
	ZS6NK	KG46RC	V51PJ	JG82IE	FSK441	2011-03-29	1348,8
	ZS6NK	KG46RC	ZS2ACP	KF26SA	FSK441	2008-08-31	1180,6
TEP	ZS6BTE	KG33XV	IK0BZY	JN61GW	ISCAT	2012-10-02	7698,1
	ZS6BTE	KG33XV	IW0FFK	JN61FS	ISCAT	2012-10-02	7682,1
	ZS6NK	KG46RC	EA5EF	IM99SM	ISCAT	2014-04-19	7678,2
	ZS6NK	KG46RC	J400EG	KN10LL	CW	2014-04-03	7157,9
	ZS6WAB	KG46RB	SV2DCD	KN00NF	ISCAT	2011-03-27	7155,4
	ZS6NK	KG46RC	IZ8DWF	JM78CF	ISCAT	2012-04-22	7039,4
	ZS6WAB	KG46RB	SV8CS	KM07KS	ISCAT	2011-03-27	6888,9
	ZS6NK	KG46RC	9H1BT	JM75EU	ISCAT	2015-04-01	6763,5
EME	ZS6WAB	KG46RB	GD0TEP	IO74SD	JT65a	2009-02-15	9242,3
Tropo	ZS6NK	KG46RC	ZS2ACP	KF26SA	SSB	2009-05-06	1180,6
	ZS6JON	KG33VV	ZS6NK	KG46RC	SSB	2008-08-19	298,8
	ZS6CBQ	KG33VU	ZS6WAB	KG46RB	FM	2010-01-16	296,8

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
TEP	ZS6NK	KG46RC	J400EG	KN10LL	CW	2014-04-03	7157,9
	ZS6WAB	KG46RB	SV2DCD	KN00NF	SSB	2011-03-29	7155,4
	ZS6NK	KG46RC	SV2DCD	KN00NF	CW	2011-03-28	7150,8
	ZS6WAB	KG46RB	SV8CS	KM07KS	SSB	2011-03-29	6888,9
144 MHz							
Tropo	ZS6PJS (ZS6NK)	KG46RC	ZS4PV	KG30CU	SSB	1993-11-01	665,7
	ZS6SER	KG46RC	ZS4DS	KG30CV	SSB	1993-02-06	661,7
	ZS6NK	KG46WX	ZS4A	KG41DS	SSB	2017-04-02	598,5
	ZS6NK	KG46RC	7P8Z	KG41IE	CW	2015-03-21	551,8
Meteor Scatter	ZS6OB	KG44DE	RW1ZC/MM	JH52VP	FSK441	2005-12-11	1945,9
	ZS6WB	KG44EE	RW1ZC/MM	JH52VP	FSK441	2005-12-11	1953,4
	ZS6WAB	KG46RB	ZS1NAZ	JF96GC	FSK441	2005-01-22	1531,4
	ZS6PJS (ZS6NK)	KG46RC	ZR1EV	JF96IC	SSB	1998-11-17	1523,7
	ZS6NK	KG46RC	V51E	JG89BW	FSK441	2003-12-23	1438,6
	ZS6NK	KG46RC	C91JE	KH94PU	FSK441	2006-07-17	1414,3
	ZS6PJS (ZS6NK)	KG46RC	ZS2FM	KF26TA	SSB	1998-11-17	1180,7
	ZS6HS	KG33XR	ZS2FM	KF26TA	SSB	1998-11-17	885,5
TEP	ZS6LW	KG43CT	SV1AB	KM18VC	CW	1979-03-28	7131,2
	ZS6DN	KG44DC	SV1DH	KM18UA	CW	1979-02-11	7090,9
EME	ZS6ALE	KG46RC	KH6/K6MYC	BK29AO	CW	1984-02-18	19285,7
	ZS6PJS (ZS6NK)	KG46RC	VE7BQH	CN87LL	CW	1996-03-23	16313,0
	ZS6ASO	KG43VG	K1WHS	FN43MJ	CW	1979-11-28	12659,0

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
Aircraft Scatter	ZS6LW	KG43CT	ZS5JF	KG50IF	SSB	1986	467,0
	ZS6WB	KG43CT	ZS5QM	KG50DK	SSB	1986	426,5
432 MHz							
Tropo	ZS6NK	KG46RC	ZS4TX	KG30BV	CW	2021-11-15	667,3
	ZS6WB	KG44DH	ZS4TX/P	KG12XR	SSB	1987-06-17	465,8
	ZS6PJS (ZS6NK)	KG46RC	ZS6AWP	KG33HC	SSB	1996/01/11	437,8
	ZS6WB	KG44DH	ZS4TX/P	KG22DR	CW	1987-06-19	435,7
	ZS6WB	KG44EE	ZS4PV	KG30CU	JT44	2003-06-03	426,9
	ZS6PJS (ZS6NK)	KG46RC	A22BW	KG38SU	SSB	1995-11-26	362,8
	ZS6BUN	KG43GM	ZS6WAB	KG46RB	JT65b	2010-01-16	296,3
	ZS6WAB	KG46RB	ZS6Y	KG33WV	JT65b	2009-04-14	288,3
EME	ZS6WAB	KG46RB	K7XQ	CM97QL	JT65b	2008-03-12	16807,5
	ZS6WAB	KG46RB	W7AMI	DN13VO	JT65b	2006-12-31	16205,2
	ZS6WAB	KG46RB	N9AB	EN52XG	JT65b	2006-01-06	13988,1
	ZS6NK	KG46RC	N9AB	EN52XG	JT65b	2005-07-23	13987,6
Aircraft Scatter	ZS6CBQ	KG33VU	ZS3K	KG10BU	FT4	2021-11-01	573,8
1,3 GHz							
EME	ZS6AXT	KG33VV	NU7Z	DM43BR	CW	1990-10-05	16067,7
Tropo	ZS6BUN	KG43GM	ZS5Y	KF59JR	Q65	2025-03-23	475,6
	ZS6CBQ	KG33VU	ZS4N	KG30BU	SSB	2021-03-27	371,8
	ZS6NK	KG46RC	ZS6AXT	KG33VV	CW	2000-06-17	296,8
	ZS6BUN	KG43GM	ZS6WAB	KG46RB	JT65c	2012-01-28	296,3
	ZS6Y	KG33WV	ZS6WAB	KG46RB	JT65c	2012-01-28	288,3
	ZS6CBQ	KG33VU	ZS4A	KG41DS	SSB	2018-08-04	236,1

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
EME	ZS6AXT	KG33VV	WB0QMN	DM79NO	CW	1989-03-12	15406,1
2,3 GHz							
EME	ZS6EME	KG44CD	VK3NX	QF21CT	JT65c	2016-08-06	10284,9
	ZS6AXT	KG44CD	HB9Q	JN47CG	JT65c	2016-07-29	8343,3
	ZS6AXT	KG33VV	NU7Z	DM43BR	CW	1999-06-15	16067,6
	ZS6AXT	KG33VV	W7GBI	DM45AG	CW	1998-03-14	16067,1
	ZS6EME	KG33VV	VE4MA	EN19LU	CW	1997-01-17	14655,0
	ZS6EME	KG44CD	VK3NX	QF21CT	SSB	2016-08-06	10284,9
	ZS6EME	KG44CD	HB9Q	JN47CG	SSB	2016-07-29	8343,3
5,7 GHz							
EME	ZS6AXT	KG33EE	W7CNK	EM15FI	CW	1999-11-22	14757,2
TROPO	ZS6AXT	KG33VV	ZS6JON/6	KG45ED	SSB	2003-02-27	150,8
10 GHz							
TROPO	ZS6AXT	KG33VV	ZS6JON/6	KG46RC	CW	2003-12-01	297,5
AMSAT Satellite							
OSCAR-7	ZS6BB (ZS6A)	KG43EU	EA6SA	JM19IO	SSB	2010-01-18	7751,0
OSCAR-10	ZS6BNE	KG33BU	PY8LF	GG54JM	CW	2009-09-20	7443,2
OSCAR-13	ZS6UF (ZS2BK)	KG43AI	WB6LLO	DM12JS	SSB	1983-09-02	16613,1
	ZS6BTE	KG33XV	VE3DZP	FN03JE	SSB	1995-05-18	13302,1

Propagation	Station A	Locator A	Station B	Locator B	Mode	yyyy-mm-dd	Km
OSCAR-40	ZS6BTE	KG33XV	XE1MEX	EK08MU	SSB	2003-01-11	14537,7
	ZS6NK	KG46RC	VR2XMT	OL72CM	SSB	2003-01-12	10501,7
OSCAR-91	ZS1TA/6	KG57NH	ZS1OB	JF96IB	FM	2018-07-25	1739.9
	ZS6SER	KG46WX	ZS1TA	JF95FW	FM	2018-06-09	1578,5
	ZS6PCW	KG46RC	ZS1TA	JF95FW	FM	2018-10-18	1553,2
	ZS6PCW	KG46RC	ZS1TBP	KF16FA	FM	2018/10/018	1308,5
	ZS6SER	KG46WX	ZS2BK	KF26SB	FM	2017-12-04	1281,7
	ZS6PCW	KG46RC	V51DR	JG87NK	FM	2018-10-18	1270,5
	ZS6PCW	KG46RC	ZS2SA	KF26SA	FM	2018-10-18	1180,6
	ZS6SER	KG46WX	ZS4A	KG41DS	FM	2018-06-09	598,5
OSCAR 100	ZS6JON	KG33VV	SP1N	JO73GL	SSB	2019-02-23	8908.6
	ZS6JON	KG33VV	DF9QX	JO42HD	SSB	2019-02-23	8867.1
	ZS6JON	KG33VV	DJ7AL	JO61VC	SSB	2019-02-23	8861.7
	ZS6JON	KG33VV	ON4MU	JO20ES	SSB	2019-02-23	8821.3
	ZS6JON	KG33VV	ON5TA	JO20ES	SSB	2019-02-23	8821.3
	ZS6JON	KG33VV	DD0CW	JO50AW	SSB	2019-02-23	8709.9
	ZS6JON	KG33VV	F1PYR	JN19DA	SSB	2019-02-23	8098.9
	ZS6JON	KG33VV	F5DQK	JN18GR	SSB	2019-02-23	8660.9
	ZS6JON	KG33VV	DJ5PW	JN39RF	SSB	2019-02-23	8584.3
	ZS6JON	KG33VV	OZ2UZL	JN79SA	SSB	2019-02-23	8408.8
	ZS6JON	KG33VV	DL5RDI	JN58XI	SSB	2019-02-23	8306.1
	ZS6JON	KG33VV	S57NML	JN76OD	SSB	2019-02-23	8100.1
	ZS6JON	KG33VV	F6BVA	JN33AD	SSB	2019-02-23	7984.1
	ZS6JON	KG33VV	SV2GKA	KN20GG	SSB	2019-02-23	7355.3
	ZS6JON	KG33VV	SO1WA	IL64RD	SSB	2019-02-23	7095.7