

K1SIX 4 Meter Transatlantic Test Results

Number of 4m XB QSOs: **14** **3** Confirmed
 Number of 4m DXCC: **3** **3** Confirmed
 ODX (km): **5,261.50**

To date: 13 out of 17 70.6% data points fit peak [diurnal expectation](#) and those times are in bold font

PREFIX	DXCC	CALLSIGN	GRID	DX (km)	4 Meter	DATE and TIME (Z)	QSL	QSO	DXCC
					FREQ	MM/DD/YY	SENT	QSL	QSL
CT	Portugal	CT1HZE	IM57nh	5,261.50	70.187	6-24-10 2126	Y	Y	Y
CT		CT1HZE			70.200	7-7-11 1745			
CT		CT1HZE			70.200	7-8-11 1503			
CT		CT1HZE			70.200	7-23-11 1902			
CT		CT1HZE			70.200	8-2-11 2305 (Heard)			
CT		CT1HZE			70.200	8-3-11 1103			
CT		CT1HZE			70.200	6-10-12 1125			
CT		CT1HZE			70.200	8-2-13 1504			
CT		CT1HZE			70.200	6-16-14 2104			
CT		CT1HZE			70.185	6-27-15 2000			
CT		CT1HZE			70.200	8-9-16 1750			
CU	Azores	CU3EQ	HM68kp	3,756.00	70.190	7-17-11 2242			
CU		CU4/DL3GCS	HM59xb	3,660.20	70.200	7-4-10 1614	Y	Y	Y
CU		CS4BFM/B	HM68kr	3,762.00	70.160.75	7-17-11 2219 (Heard)			
EA8	Canary Islands	EA8DBM	IL18oh	5,139.30	70.185	7-5-14 2146	Y	Y	Y
EA8		EA8DBM			70.185	7-6-14 1037			
G		G0UWK	IO83vc	5,095.00	70.195	8-3-11 1656 (Heard)			

All contacts were made with K1SIX transmitting in the 6 Meter (50 Mhz) band while receiving in the 4 Meter (70 Mhz) band.

Present 4M Equipment

Downeast Microwave (DEMI) 4m Transverter with 28 Mhz IF (Capable of 25 watts output) used for receive only

FT-857D used as an IF

Fully rotatable Vine 6 Element yagi ~ 14 meters agl on a hilltop at ~ 407 meters amsl. Locator FN43ad87.

Most contacts are made operating full-duplex SSB with an output power of 1,500 watts in the 6 Meter band. The 6 meter yagi is on a separate tower approximately 32 meters horizontally separated and that yagi is approximately 20 meters higher. No external filtering is required to achieve full-duplex operation with frequency separation at least as close as 67.240 Mhz. 67.240 - 67.260 Mhz is primarily used for real time meteor detection allowing full-duplex calling on 50 Mhz when ionization is actually detected.

Click on "diurnal expectation" to view the data