

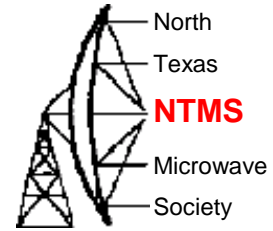
VK7MO and W5LUA 3cm EME using JT-65C

Al Ward

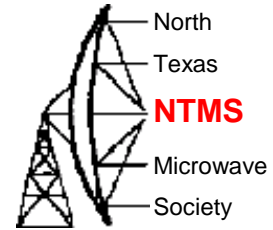
W5LUA

October 25, 2012

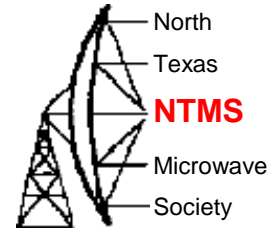
VK7MO .8M Dish for 10 GHz



VK7MO .8M Dish for 10 GHz



VK7MO-W5LUA OCT 18 23:01Z



WSJT6_DOC

K5GW Tracking program for W5LUA

TIME	DATE	IGT	A/Z	EL	AZC	ELC	DEC	AZ ERROR	EL
23:01:39	10/18/12	MOON	OFF	206.32	30.52	1.5	0.4	-20.9	0.07

ANTENNA AZIM ELEVE
 1296 197.23 30.66
 2304 207.24 27.30
 3400 208.59 27.05
 5760 210.85 29.48
 10368 206.25 30.60
 24048 120.05 45.94
 47088 118.95 46.05
 78192 118.95 45.68

Band: 10368MHZ
 Doppler: -12128.1
 Sky Ten: 2.7
 Loss dB: 0.52
 Tdeg dB: 0.52
 Pol: -66
 Lib: 163.2

OCT 18 2012 23:01:39
 SUN MON TUE WED THU FRI SAT
 7 8 9 10 11 12 13
 14 15 16 17 18 19 20
 21 22 23 24 25 26 27
 28 29 30 31

<esc> <E> <B/h> <T> <A> <M> <U> <Z> <C> <P> <O> <L> <P> ++> -->
 exit bnd tgt a/c nan pos a/z cal f/c stnB lib plan

WSJT 7 by K1JT

File Setup View Mode Decode Save Band Help

Moon
 Az: 206.32
 El: 30.50
 Dop: 3402
 dgrd: -0.5

FileID Sync dB DT DF W DF (Hz) VK7MO_121018_230000

225300	0	-33	0.9	-307	46						
225400	3	-25	1.8	108	13	*	W5LUA	VK7MO	Q#37	0	10
225600	4	-24	1.8	105	14	*	W5LUA	VK7MO	R-23	1	10
225800	2	-30	103	3	73	?					
225800	2	-30	103	3	73	?					
230000	5	-24	1.8	102	17	*	W5LUA	VK7MO	Q#37	1	10

Log GSO Stop Monitor Save Decode Erase Clear Avg Include Exclude TxStg

To radio: VK7MO Lookup
 Grid: Q#37pc Add
 Az: 239 0972 mi

2012 Oct 18 23:01:40

1.0000 1.0000 JT6C Freeze DF: 0 Rx noise: 0 dB TR Period: 60 s Txing: 73

FlexRadio Systems* PowerSDR™ v2.3.5 FLEX-5000: 1708-2183

Setup Memory Wave Equalizer XTRS CWX Mixer Antenna FlexControl ESC Get Help Heros About

STOP

VFO A: 10368.225 000
 10GHz General TX

VFO B: 3400.100 030
 TX: Out of Band

RX1 Meter: Signal Fwd Pwr 0 W

RX2 Meter: Signal Fwd Pwr 0 W

AF: 14
 AGC-T: 106
 Drive: 75
 AGC Preamp: On

SQL: -115

RX1 ANT1 TX ANT1
 RX2: RX2 IN

SPLIT A > B NR ANF Panafal
 NB NB2 AVG Peak
 SR BIN TNF +TNF

Mic 15 Transmit Profile: Default

DX 3
 CPDR 1 Show TX Filter on Display
 VDX 100 RX EQ TX EQ
 DEXP -40

CPU %: 33.6

SpecJT by K1JT

Options Freq: 746 DF: -524 (Hz) BW: Speed: 1 2 3 4 5 HI H2

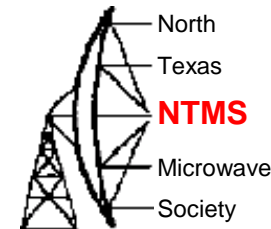
220

144.260 144.280 1

9.4dBm 144.280 422 MHz
 Fixed 192 kHz Center

CPU %: 33.6
 AGC: Med

VK7MO-W5LUA OCT 18 23:09Z



K5GW Tracking program for W5LUA

TIME	DATE	IGT	A/T	AZ	EL	AZC	ELC	DEC	AZ ERROR	EL
23:09:52	10/18/12			208.27	29.76	1.5	0.4	-20.7	-0.07	0.12

ANTENNA	AZIM	ELEV
1296	199.76	29.94
2304	209.20	26.58
3400	209.57	26.33
5760	212.81	28.76
10368	208.20	29.88
23048	120.05	45.95
47088	118.95	46.06
78192	118.95	45.69

Band: 10368MHZ
Doppler: -12889.1
Sky Temp: 2.7
Loss dB: 0.52
Tdeg dB: 0.52
Pol: -65
Lib: 162.2

OCT 18 2012 23:09:52
SUN MON TUE WED THU FRI SAT
7 1 2 3 4 5 6
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30 31

FlexRadio Systems PowerSDR v2.3.5 FLEX-5000: 1708-2183

STOP

VFO A: 10368.225 000
10GHz General TX

VFO B: 3400.100 030
TX Out of Band

Rx1 Meter: Signal -99.4 dBm

SQL: -115

4822.8Hz -110.8dBm 10368.229 823 MHz

CPU %: 30.5

WSJT 7 by K1JT

Moon
Az: 208.27
El: 29.73
Dop: 3030
Dgrd: -0.5

File#	Sync	dB	DT	DF	W	Time (s)	Mon_121018_230900
230000	5	-24	1.8	102	17	*	WSLUA VK7MO QE37 1 10
230200	4	-25	1.6	105	16	*	WSLUA VK7MO -22 0 10
230400	3	-24	1.8	105	22	*	WSLUA VK7MO R-23 0 10
230600	5	-24	2.0	100	13	*	WSLUA VK7MO R-23 1 10
230800	2	-28	2.0	116	11	*	WSLUA VK7MO R-23 ? 0 3
230900	0	-33	2.3	312	26		

To radio: VK7MO Lookup
Grid: QE37pc Add
Az: 239 8972 mi

2012 Oct 18 23:09:53

1.0001 0.9998 JT6S Freeze DF: 0 Rx noise: 0 dB TR Period: 60 s 0 Receiving

SpecJT by K1JT

Options Freq: 520 DF: -750 (Hz) BW: Speed: 1 2 3 4 5 H1 H2

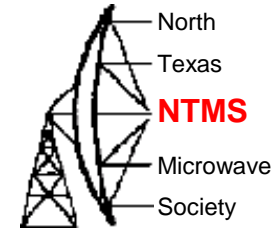
220

144.260 144.280 1

8.1dBm 144.260 422 MHz

Fixed 192 kHz Center

CPU %: 30.5



K5GW Tracking program for W5LUA

TIME	DATE	IGI	AZ	EL	AZC	ELC	DEC	AZ ERROR	EL	
01:12:23	10/21/12	MOON	ON	210.11	31.29	1.4	0.3	-18.9	-0.13	0.01

ANTENNA AZIM ELEU Band: 10368MHz
 1236 201.47 31.42 Doppler: -14486.5
 2304 211.06 28.06 Sky Ten: 2.7
 3400 209.44 27.81 Loss dB: 0.89
 5760 214.73 30.24 Tdeg dB: 0.89
 6556 209.27 31.00 Pol: -63
 24048 120.08 45.76 Lib: 186.7
 47088 118.98 46.07
 78192 118.98 45.70

OCT 21 2012 01:12:23
 SUN MON TUE WED THU FRI SAT
 1 2 3 4 5 6
 7 8 9 10 11 12 13
 14 15 16 17 18 19 20
 21 22 23 24 25 26 27
 28 29 30 31

STATION B DATA
 Call: VK7MO Grid: QE37PC
 Lat: -42.9 Lon: 212.9
 Az: 185.67 El: 17.26
 Dop: 17838 Mdop: 1675
 Pol: -41 Mpol: 22
 Lib: 39 Mlib: 112

FlexRadio Systems™ PowerSDR™ v2.3.5 FLEX-5000: 1708-2183

10368.225 000
 10GHz General TX

VFO B: 10368.225 550
 10GHz General TX

Signal: -99.3 dBm

1296 2304 3400
 3456 5760 10368
 24048 24192 47088
 HF 78192 242.2

LSB USB DSB
 CWL CWU FM
 AM SAM SPEC
 DIGL DIGU DRM

5.0k 4.4k 3.8k
 3.3k 2.9k 2.7k
 2.4k 2.1k 1.8k
 1.0k Var 1 Var 2
 Low 150 High 2850
 Width: TX EQ TX EQ
 Shift: Reset

WSJT 7 by K1JT

Moon
 Az: 210.08
 El: 31.32
 Dop: 1627
 dgrd: -0.8

FileID	Sync	dB	DT	DF	W
010000	2	-26	2.0	40	21 *
010200	3	-26	1.8	40	18 *
010400	3	-27	1.9	48	25 *
010600	2	-25	1.9	40	18 *
010800	5	-27	1.9	48	25 *
011000	4	-27	2.1	40	14 *

011000 1 16/40
 011000 2 0/21

2012 Oct 21
 01:12:29

SpecJT by K1JT

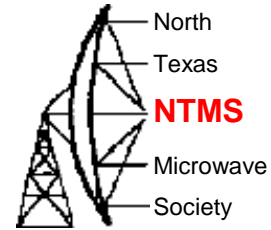
Options Freq: 2501 DF: 1230 (Hz) BW: Speed: 1 2 3 4 5 C H1 C H2

00 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500

01:15
 01:10
 01:00
 01:05

01:12:29

Decodes Received at VK7MO



225400 Transmitting:JT65C W5LUA VK7MO QE37
 225500 3 -23 3.1 -105 24 # VK7MO W5LUA EM13 OOO 1 10
 225600 Transmitting:JT65C W5LUA VK7MO R-23
 225700 0 -24 2.5 -108 12 * RRR
 225806 Transmitting:JT65C 73 (Shorthand)
 225900 4 -22 2.8 -108 17 * TNX -24 REX 7 1 0
 230000 Transmitting:JT65C W5LUA VK7MO QE37
 230100 0 -22 5.1 -108 8 #
 230200 Transmitting:JT65C W5LUA VK7MO -22
 230300 5 -23 2.7 -105 24 * VK7MO W5LUA -24 1 10
 230406 Transmitting:JT65C W5LUA VK7MO R-23

Signal Spreading vs WSJT decode level (dB)

