PRESS AND HOLD ANT1, ANT3, AR RX ANT KEYS WHILE POWERING UP TO enter alignment mode.

YAESU
Choice of the World's top DX'ers

FTDX9000 Performance Enhancement Program [Readjustment guide]

D - 2 METER-full-adj

Alignment mode "01" [MAIN-full:VR5001, SUB-full:VR5002, Vdd/BIAS-full:VR7401, TEMP/SWR-full:VR7402]

Vdd and TEMP meter adjustment procedure is different from MAIN and SUB meter adjustment procedure.

Please refer to the document

3 SHIFT/WIDTH-center-adj

alignment mode "02a" [MAIN-SHIFT]

note) broad about 7point center point is broad therefore set the knob to the center of the range

alignment mode "02b" [SUB-SHIFT]

note) broad about 7point

alignment mode "02c" [MAIN-WIDTH]

note) broad about 24 point

alignment mode "02d" [SUB-WIDTH]

note) broad about 24 point

4 Vdd-meter-adj

alignment mode "03"

5 1st Local-level

RX-1:VR1006 14.2MHz TP1001 1.8Vrms±0.1V	5.1Vp-p
VR1007 51.2MHz TP1001 0.6Vrms±0.1V	1.7Vp-p
RX-2:VR8006 14.2MHz TP8001 1.8Vrms±0.1V	5.1Vp-p
VR8007 51.2MHz TP80010.6Vrms±0.1V	1.7Vp-p

6 SCP-IF

14.2MHz	+40dBu
RX-1: T1015 J8801-2pin	voltage MAX
RX-2: T8015 J8901-2pin	voltage MAX

7 SCP-level

SCP-1:

alignment mode "A43"SG+80dBu VR8801 J8801 2pin 3.1V±0.05V

SCP-2:

alignment mode "B43"SG+80dBu VR8901 J8901 2pin 3.1V±0.05V

8 SCP-ATT

SCP-1:

alignment mode "A43"SG+70dBu note the voltage of J8801 2pin
alignment mode "A44"SG+80dBu set VFO-B knob same value of above
alignment mode "A45"SG+90dBu set VFO-B knob the same value of above

SCP-2:

alignment mode "B43"SG+70dBu note the voltage of J8901 2pin
alignment mode "B44"SG+80dBu set the same value of above
alignment mode "B45"SG+90dBu set the same value of above

9 RF-AGC

RX-1:

Enter the alignment mode"A01"
Connect the RF Signal Generator to the "ANT 1" EJack, then set the output level to +96 dBμ.E E
Connect the DC voltmeter to TP1003 on the RX-1 Unit.
Rotate the CLAR/VFO-B knob so that the DC voltmeter Ereading is 1.8V±0.1V.
Press the [ENT]key ,the alignment data of A01 is copied to A02-A10
Confirm that it become the same data from A01 to A10

RX-2:

Enter the alignment mode"A01"
Connect the RF Signal Generator to the "ANT 1" EJack, then set the output level to +96 dBμ.E E
Connect the DC voltmeter to TP1003 on the RX-1 Unit.
Rotate the CLAR/VFO-B knob so that the DC voltmeter Ereading is 1.8V±0.1V.
Press the [ENT]key, the alignment data of A01 is copied to A02-A10
Confirm that it become the same data from A01 to A10

10 IF-GAIN

RX-1:1.85MHz SG+36dBu Audio 0dB

Set alignment mode "A21"SG+9dBu Audio -1.5dB adj (1.850MHz)
alignment mode "A22"SG+9dBu Audio -1.5dB adj (3.570MHz)
alignment mode "A23"SG+9dBu Audio -1.5dB adj (7.100MHz)
alignment mode "A24"SG+9dBu Audio -1.5dB adj (10.100MHz)
alignment mode "A25"SG+9dBu Audio -1.5dB adj (14.200MHz)
alignment mode "A26"SG+9dBu Audio -1.5dB adj (18.100MHz)
alignment mode "A27"SG+9dBu Audio -1.5dB adj (21.200MHz)
alignment mode "A28"SG+9dBu Audio -1.5dB adj (24.900MHz)
alignment mode "A29"SG+9dBu Audio -1.5dB adj (28.700MHz)
alignment mode "A30"SG+6dBu Audio -1.5dB adj (52.00MHz)

RX-2:1.8MHz SG+36dBu Audio 0dB set

alignment mode "B21"SG+9dBu Audio -1.5dB adj (1.850MHz)
alignment mode "B22"SG+9dBu Audio -1.5dB adj (3.570MHz)
alignment mode "B23"SG+9dBu Audio -1.5dB adj (7.100MHz)
alignment mode "B24"SG+9dBu Audio -1.5dB adj (10.100MHz)
alignment mode "B25"SG+9dBu Audio -1.5dB adj (14.200MHz)
alignment mode "B26"SG+9dBu Audio -1.5dB adj (18.100MHz)
alignment mode "B27"SG+9dBu Audio -1.5dB adj (21.200MHz)
alignment mode "B28"SG+9dBu Audio -1.5dB adj (24.900MHz)
alignment mode "B29"SG+9dBu Audio -1.5dB adj (28.700MHz)
alignment mode "B30"SG+6dBu Audio -1.5dB adj (52.00MHz)

11 S-METER

RX-1: 14.2MHz CW-U VFOb RX:OFF

alignment mode "A31(S-1)"SG+12dBu press[ENT]
alignment mode "A32(S-5)"SG+24dBu press[ENT]
alignment mode "A33(S-7)"SG+30dBu press[ENT]
alignment mode "A34(S-9)"SG+36dBu press[ENT]
alignment mode "A35(S+10)"SG+46dBu press[ENT]
alignment mode "A36(S+20)"SG+56dBu press[ENT]
alignment mode "A37(S+30)"SG+66dBu press[ENT]
alignment mode "A38(S+40)"SG+76dBu press[ENT]
alignment mode "A39(S+50)"SG+86dBu press[ENT]
alignment mode "A40(S+60)"SG+96dBu press[ENT]

RX-2: 14.2MHz CW-U VFOa:ANT4 VFOb:ANT1

alignment mode "B31(S-1)"SG+12dBu press[ENT]
alignment mode "B32(S-5)"SG+24dBu press[ENT]
alignment mode "B33(S-7)"SG+30dBu press[ENT]
alignment mode "B34(S-9)"SG+36dBu press[ENT]
alignment mode "B35(S+10)"SG+46dBu press[ENT]
alignment mode "B36(S+20)"SG+56dBu press[ENT]
alignment mode "B37(S+30)"SG+66dBu press[ENT]
alignment mode "B38(S+40)"SG+76dBu press[ENT]
alignment mode "B39(S+50)"SG+86dBu press[ENT]
alignment mode "B40(S+60)"SG+96dBu press[ENT]

12 NB-check

7.1MHz LSB

13 TX-power

14.2MHz CW-U

alignment mode "C21a" MOX-ON POW=200+10/-0W (205/405)
POW=400+10/-0W

14 ALC-MTR

14.2MHz USB

alignment mode "C58" MIC(REAR) 1kHz 10mV
rotate MIC-knob : TX-power {195W +5/-5W /390 +5/-5W}
MIC level up +8dB then ALC zone full[VRF]/[VFO-B]

15 TX-power,PO-meter,TXG { }MP Version

1.8MHz:

Enter the alignment mode"C17a"

Rotate the NOTCH knob for 205 W (D/Contest) E or 405 W (MP) on the PO meter.
Press the PTT switch, then rotate the CLAR/VFO-EB knob for 205 W (D/Contest) or 405 W (MP) on the Wattmeter (205/405)
Rotate the VRF/μ knob for maximum point of the ALC zone on the ALC meter.

Enter the alignment mode"C17b"
Rotate the NOTCH knob for 100 W (D/Contest) or 200 W (MP) on the PO meter.
Press the PTT switch, then rotate the CLAR/VFO-EB knob for 102.5 W (D/Contest) or 205 W (MP) on the Wattmeter (102.5/205)

Rotate the VRF/μ knob for maximum point of the ALC zone on the ALC meter.

Enter the alignment mode"C17c"

Rotate the NOTCH knob for 50 W (D/Contest) or 100 W (MP) on the PO meter.
Press the PTT switch, then rotate the CLAR/VFO-EB knob for 52.5 W (D/Contest) or 102.5 W (MP) on the Wattmeter (52.5/102.5)
Rotate the VRF/μ knob for maximum point of the EALC zone on the ALC meter.

Enter the alignment mode"C17d"

Rotate the NOTCH knob for 20 W (D/Contest) or 50 W (MP) on the PO meter.
Press the PTT switch, then rotate the CLAR/VFO-EB knob for 21 W (D/Contest) or 52.5 W (MP) on the Wattmeter (21/52.5)
Rotate the VRF/μ knob for maximum point of the EALC zone on the ALC meter.

Enter the alignment mode"C17e"

Rotate the NOTCH knob for 10 W (D/Contest) or 20 W (MP) on the PO meter.
Press the PTT switch, then rotate the CLAR/VFO-B knob for 10.5 W (D/Contest) or 21 W (MP) on the Wattmeter (1.0.5/21)
Rotate the VRF/μ knob for maximum point of the ALC zone on the ALC meter.

Enter the alignment mode"C17f"

Rotate the NOTCH knob for 5 W (D/Contest) or 10 W (MP) on the PO meter. E
Press the PTT switch, then rotate the CLAR/VFO-B knob for 5.5 W (D/Contest) or 10.5 W (MP) on the Wattmeter (5.5/10.5)
Rotate the VRF/μ knob for maximum point of the ALC zone on the ALC meter.

Press the [ENT]key, adjustment data of PO meter are copied other band adjustment data of PO meter,so you don't have to rotate the NOTCH knob in the following procedures.

Refer to the following.

3.5MHz:

alignment mode "C18a"
PTT ON [SUB]-power-200W+10/-0{400W+10/-0} (205/405)

[VRF]-ALCmeter-zone_full alignment mode "C18b"
PTT ON [SUB]-power-100W+5/-0{200W+10/-0} (102.5/205)

[VRF]-ALCmeter-zone_full alignment mode "C18c"
PTT ON [SUB]-power-50W+5/-0{100W+5/-0} (52.5/102.5)

[VRF]-ALCmeter-zone_full alignment mode "C18d"
PTT ON [SUB]-power-20W+2/-0{50W+5/-0} (21/52.5)

[VRF]-ALCmeter-zone_full alignment mode "C18e"
PTT ON [SUB]-power-10W+1/-0{20W+2/-0} (10.5/21)

[VRF]-ALCmeter-zone_full alignment mode "C18f"
PTT ON [SUB]-power-5W+1/-0{10W+1/-0} (5.5/10.5)

[VRF]-ALCmeter-zone_full

7MHz:

alignment mode "C19a"
PTT ON [SUB]-power-200W+10/-0{400W+10/-0} (205/405)

[VRF]-ALCmeter-zone_full alignment mode "C19b"
PTT ON [SUB]-power-100W+5/-0{200W+10/-0} (102.5/205)

[VRF]-ALCmeter-zone_full alignment mode "C19c"
PTT ON [SUB]-power-50W+5/-0{100W+5/-0} (52.5/102.5)

[VRF]-ALCmeter-zone_full alignment mode "C19d"
PTT ON [SUB]-power-20W+2/-0{50W+5/-0} (21/52.5)

[VRF]-ALCmeter-zone_full alignment mode "C19e"
PTT ON [SUB]-power-10W+1/-0{20W+2/-0} (10.5/21)

[VRF]-ALCmeter-zone_fullalignment mode "C19f"
PTT ON [SUB]-power-5W+1/-0{10W+1/-0} (5.5/10.5)

[VRF]-ALCmeter-zone_full

10MHz:
alignment mode "C20a"
PTT ON [SUB]-power-200W+10/-0{400W+10/-0} (205/405)

[VRF]-ALCmeter-zone_full alignment mode "C20b"
PTT ON [SUB]-power-100W+5/-0{200W+10/-0} (102.5/205)

[VRF]-ALCmeter-zone_full alignment mode "C20c"
PTT ON [SUB]-power-50W+5/-0{100W+5/-0} (52.5/102.5)

[VRF]-ALCmeter-zone_full
alignment mode "C20d"
PTT ON [SUB]-power-20W+2/-0{50W+5/-0} (21/52.5)

[VRF]-ALCmeter-zone_full
alignment mode "C20e"
PTT ON [SUB]-power-10W+1/-0{20W+2/-0} (10.5/21)

[VRF]-ALCmeter-zone_full
alignment mode "C20f"
PTT ON [SUB]-power-5W+1/-0{10W+1/-0} (5.5/10.5)
[VRF]-ALCmeter-zone_full

14MHz:

alignment mode "C21a"
PTT ON [SUB]-power-200W+10/-0{400W+10/-0} (205/405)

[VRF]-ALCmeter-zone_full
alignment mode "C21b"
PTT ON [SUB]-power-100W+5/-0{200W+10/-0} (102.5/205)

[VRF]-ALCmeter-zone_full
alignment mode "C21c"
PTT ON [SUB]-power-50W+5/-0{100W+5/-0} (52.5/102.5)

[VRF]-ALCmeter-zone_full
alignment mode "C21d"
PTT ON [SUB]-power-20W+2/-0{50W+5/-0} (21/52.5)

[VRF]-ALCmeter-zone_full
alignment mode "C21e"
PTT ON [SUB]-power-10W+1/-0{20W+2/-0} (10.5/21)

[VRF]-ALCmeter-zone_full
alignment mode "C21f"
PTT ON [SUB]-power-5W+1/-0{10W+1/-0} (5.5/10.5)

[VRF]-ALCmeter-zone_full

18MHz:

alignment mode "C22a"
PTT ON [SUB]-power-200W+10/-0{400W+10/-0} (205/405)

[VRF]-ALCmeter-zone_full alignment mode "C22b"
PTT ON [SUB]-power-100W+5/-0{200W+10/-0} (102.5/205)

[VRF]-ALCmeter-zone_full alignment mode "C22c"
PTT ON [SUB]-power-50W+5/-0{100W+5/-0} (52.5/102.5)

[VRF]-ALCmeter-zone_full alignment mode "C22d"
PTT ON [SUB]-power-20W+2/-0{50W+5/-0} (21/52.5)

[VRF]-ALCmeter-zone_full alignment mode "C22e"
PTT ON [SUB]-power-10W+1/-0{20W+2/-0} (10.5/21)

[VRF]-ALCmeter-zone_full alignment mode "C22f"
PTT ON [SUB]-power-5W+1/-0{10W+1/-0} (5.5/10.5)

[VRF]-ALCmeter-zone_full

21MHz:

alignment mode "C23a"
PTT ON [SUB]-power-200W+10/-0{400W+10/-0} (205/405)

[VRF]-ALCmeter-zone_full alignment mode "C23b"
PTT ON [SUB]-power-100W+5/-0{200W+10/-0} (102.5/205)

[VRF]-ALCmeter-zone_full alignment mode "C23c"
PTT ON [SUB]-power-50W+5/-0{100W+5/-0} (52.5/102.5)

[VRF]-ALCmeter-zone_full alignment mode "C23d"
PTT ON [SUB]-power-20W+2/-0{50W+5/-0} (21/52.5)

[VRF]-ALCmeter-zone_fullalignment mode "C23e"
PTT ON [SUB]-power-10W+1/-0{20W+2/-0} (10.5/21)

[VRF]-ALCmeter-zone_full
alignment mode "C23f"
PTT ON [SUB]-power-5W+1/-0{10W+1/-0} (5.5/10.5)

[VRF]-ALCmeter-zone_full

24MHz:

alignment mode "C24a"
PTT ON [SUB]-power-200W+10/-0{400W+10/-0} (205/405)

[VRF]-ALCmeter-zone_full alignment mode "C24b"
PTT ON [SUB]-power-100W+5/-0{200W+10/-0} (102.5/205)

[VRF]-ALCmeter-zone_fullalignment mode "C24c"
PTT ON [SUB]-power-50W+5/-0{100W+5/-0} (52.5/102.5)

[VRF]-ALCmeter-zone_full alignment mode "C24d"
PTT ON [SUB]-power-20W+2/-0{50W+5/-0} (21/52.5)

[VRF]-ALCmeter-zone_full alignment mode "C24e"
PTT ON [SUB]-power-10W+1/-0{20W+2/-0} (10.5/21)

[VRF]-ALCmeter-zone_full alignment mode "C24f"
PTT ON [SUB]-power-5W+1/-0{10W+1/-0} (5.5/10.5)

[VRF]-ALCmeter-zone_full

28MHz:

alignment mode "C25a"
PTT ON [SUB]-power-200W+10/-0{400W+10/-0} (205/405)

[VRF]-ALCmeter-zone_fullalignment mode "C25b"
PTT ON [SUB]-power-100W+5/-0{200W+10/-0} (102.5/205)

[VRF]-ALCmeter-zone_fullalignment mode "C25c"
PTT ON [SUB]-power-50W+5/-0{100W+5/-0} (52.5/102.5)

[VRF]-ALCmeter-zone_full lignment mode "C25d"
PTT ON [SUB]-power-20W+2/-0{50W+5/-0} (21/52.5)

[VRF]-ALCmeter-zone_full alignment mode "C25e"
PTT ON [SUB]-power-10W+1/-0{20W+2/-0} (10.5/21)

[VRF]-ALCmeter-zone_full alignment mode "C25f"
PTT ON [SUB]-power-5W+1/-0{10W+1/-0} (5.5/10.5)

[VRF]-ALCmeter-zone_full

50MHz:

alignment mode "C26a"
PTT ON [SUB]-power-200W+10/-0{400W+10/-0} (205/405)

[VRF]-ALCmeter-zone_full alignment mode "C26b"
PTT ON [SUB]-power-100W+5/-0{200W+10/-0} (102.5/205)

[VRF]-ALCmeter-zone_full alignment mode "C26c"
PTT ON [SUB]-power-50W+5/-0{100W+5/-0} (52.5/102.5)

[VRF]-ALCmeter-zone_full alignment mode "C26d"
PTT ON [SUB]-power-20W+2/-0{50W+5/-0} (21/52.5)

[VRF]-ALCmeter-zone_full alignment mode "C26e"
PTT ON [SUB]-power-10W+1/-0{20W+2/-0} (10.5/21)

[VRF]-ALCmeter-zone_full alignment mode "C26f"
PTT ON [SUB]-power-5W+1/-0{10W+1/-0} (5.5/10.5)

[VRF]-ALCmeter-zone_full

16 AM-TXG adjustment

1.85MHz:

AM alignment mode "C28a" MOX ON 70W+5/-0W (POW=200) (72.5)
100W+10/-0W (POW=400) (105)

alignment mode "C28b" MOX ON 20W+2/-0W (POW=200) (21)
50W+5/-0W (POW=400) (52.5)

alignment mode "C28c" MOX ON 10W+1/-0W (POW=200) (10.5)
20W+2/-0W (POW=400) (21)

alignment mode "C28d" MOX ON 5W+0/-0.5W (POW=200) (4.75)
10W+1/-0W (POW=400) (10.5)

3.57MHz:AM

alignment mode "C29a" MOX ON 70W+5/-0W (POW=200) (72.5)
100W+10/-0W (POW=400) (105)

alignment mode "C29b" MOX ON 20W+2/-0W (POW=200) (21)
50W+5/-0W (POW=400) (52.5)

alignment mode "C29c" MOX ON 10W+1/-0W (POW=200) (10.5)
20W+2/-0W (POW=400) (21)

alignment mode "C29d" MOX ON 5W+0/-0.5W (POW=200) (4.75)
10W+1/-0W (POW=400) (10.5)

7.1MHz:AM

alignment mode "C30a" MOX ON 70W+5/-0W (POW=200) (72.5)
100W+10/-0W (POW=400) (105)

alignment mode "C30b" MOX ON 20W+2/-0W (POW=200) (21)
50W+5/-0W (POW=400) (52.5)

alignment mode "C30c" MOX ON 10W+1/-0W (POW=200) (10.5)
20W+2/-0W (POW=400) (21)

alignment mode "C30d" MOX ON 5W+0/-0.5W (POW=200) (4.75)
10W+1/-0W (POW=400) (10.5)

10.1MHz:AM

alignment mode "C31a" MOX ON 70W+5/-0W (POW=200) (72.5)
100W+10/-0W (POW=400) (105)

alignment mode "C31b" MOX ON 20W+2/-0W (POW=200) (21)
50W+5/-0W (POW=400) (52.5)

alignment mode "C31c" MOX ON 10W+1/-0W (POW=200) (10.5)
20W+2/-0W (POW=400) (21)

alignment mode "C31d" MOX ON 5W+0/-0.5W (POW=200) (4.75)
10W+1/-0W (POW=400) (10.5)

14.2MHz:AM

alignment mode "C32a" MOX ON 70W+5/-0W (POW=200) (72.5)
100W+10/-0W (POW=400) (105)

alignment mode "C32b" MOX ON 20W+2/-0W (POW=200) (21)
50W+5/-0W (POW=400) (52.5)

alignment mode "C32c" MOX ON 10W+1/-0W (POW=200) (10.5)
20W+2/-0W (POW=400) (21)

alignment mode "C32d" MOX ON 5W+0/-0.5W (POW=200) (4.75)
10W+1/-0W (POW=400) (10.5)

18.1MHz:AM

alignment mode "C33a" MOX ON 70W+5/-0W (POW=200) (72.5)
100W+10/-0W (POW=400) (105)

alignment mode "C33b" MOX ON 20W+2/-0W (POW=200) (21)
50W+5/-0W (POW=400) (52.5)

alignment mode "C33c" MOX ON 10W+1/-0W (POW=200) (10.5)
20W+2/-0W (POW=400) (21)

alignment mode "C33d" MOX ON 5W+0/-0.5W (POW=200) (4.75)
10W+1/-0W (POW=400) (10.5)

21.2MHz:AM

alignment mode "C34a" MOX ON 70W+5/-0W (POW=200) (72.5)
100W+10/-0W (POW=400) (105)

alignment mode "C34b" MOX ON 20W+2/-0W (POW=200) (21)
50W+5/-0W (POW=400) (52.5)

alignment mode "C34c" MOX ON 10W+1/-0W (POW=200) (10.5)
20W+2/-0W (POW=400) (21)

alignment mode "C34d" MOX ON 5W+0/-0.5W (POW=200) (4.75)
10W+1/-0W (POW=400) (10.5)

24.9MHz:AM

alignment mode "C35a" MOX ON 70W+5/-0W (POW=200) (72.5)
100W+10/-0W (POW=400) (105)

alignment mode "C35b" MOX ON 20W+2/-0W (POW=200) (21)
50W+5/-0W (POW=400) (52.5)

alignment mode "C35c" MOX ON 10W+1/-0W (POW=200) (10.5)
20W+2/-0W (POW=400) (21)

alignment mode "C35d" MOX ON 5W+0/-0.5W (POW=200) (4.75)
10W+1/-0W (POW=400) (10.5)

28.7MHz:AM

alignment mode "C36a" MOX ON 70W+5/-0W (POW=200) (72.5)
100W+10/-0W (POW=400) (105)

alignment mode "C36b" MOX ON 20W+2/-0W (POW=200) (21)
50W+5/-0W (POW=400) (52.5)

alignment mode "C36c" MOX ON 10W+1/-0W (POW=200) (10.5)
20W+2/-0W (POW=400) (21)

alignment mode "C36d" MOX ON 5W+0/-0.5W (POW=200) (4.75)
10W+1/-0W (POW=400) (10.5)

52.0MHz:AM

alignment mode "C37a" MOX ON 70W+5/-0W (POW=200) (72.5)
100W+10/-0W (POW=400) (105)

alignment mode "C37b" MOX ON 20W+2/-0W (POW=200) (21)
50W+5/-0W (POW=400) (52.5)

alignment mode "C37c" MOX ON 10W+1/-0W (POW=200) (10.5)
20W+2/-0W (POW=400) (21)

alignment mode "C37d" MOX ON 5W+0/-0.5W (POW=200) (4.75)
10W+1/-0W (POW=400) (10.5)

17 CLASS-A adjustment

CLASS-A SW ON
BIAS Full
RF-PWR Full
alignment mode "C38" 1.85MHz CW 75+5/-5W (POW=200) (75)
100+5/-5W (POW=400) (100)

alignment mode "C39" 3.57MHz CW 75+5/-5W (POW=200) (75)
100+5/-5W (POW=400) (100)

alignment mode "C40" 7.1MHz CW 75+5/-5W (POW=200) (75)
100+5/-5W (POW=400) (100)

alignment mode "C41" 10.1MHz CW 75+5/-5W (POW=200) (75)
100+5/-5W (POW=400) (100)

alignment mode "C42" 14.2MHz CW 75+5/-5W (POW=200) (75)
100+5/-5W (POW=400) (100)

alignment mode "C43" 18.1MHz CW 75+5/-5W (POW=200) (75)
100+5/-5W (POW=400) (100)

alignment mode "C44" 21.2MHz CW 75+5/-5W (POW=200) (75)
100+5/-5W (POW=400) (100)

alignment mode "C45" 24.9MHz CW 75+5/-5W (POW=200) (75)
100+5/-5W (POW=400) (100)

alignment mode "C46" 28.7MHz CW 75+5/-5W (POW=200) (75)
100+5/-5W (POW=400) (100)

alignment mode "C47" 52.0MHz CW 75+5/-5W (POW=200) (75)
100+5/-5W (POW=400) (100)

18 SWR-MTR-adj

set the METER switch to the SWR

D Version

Disconnect the 3-pin plug from J2516 on the TX Unit , then apply a -2.8V DC voltage to pin 2 of J2516, and -0.7V DC to pin 3 of J2516.
(You can use the "FTDX9000 SWR JIG". JIG setting is D , SWR=3)
Press the PTT switch, then adjust VR2505 on the TX Unit for an SWR reading of 3.0 on the SWR meter on the TFT Display.

Contest Version

Disconnect the 3-pin plug from J2516 on the TX Unit , then apply a -2.8V DC voltage to pin 2 of J2516, and -0.7V DC to pin 3 of J2516.
(You can use the "FTDX9000 SWR JIG". JIG setting is Contest , SWR=3)
Press the PTT switch, then adjust VR2505 on the TX Unit for an SWR reading of 3.0 on the SWR meter.

MP Version

Disconnect the 3-pin plug from J2516 on the TX Unit , then apply a -2.8V DC voltage to pin 2 of J2516, and -1.4V DC to pin 3 of J2516.
(You can use the "FTDX9000 SWR JIG". JIG setting is MP , SWR=3)
Press the PTT switch, then adjust VR2505 on the TX Unit for an SWR reading of 3.0 on the SWR meter.