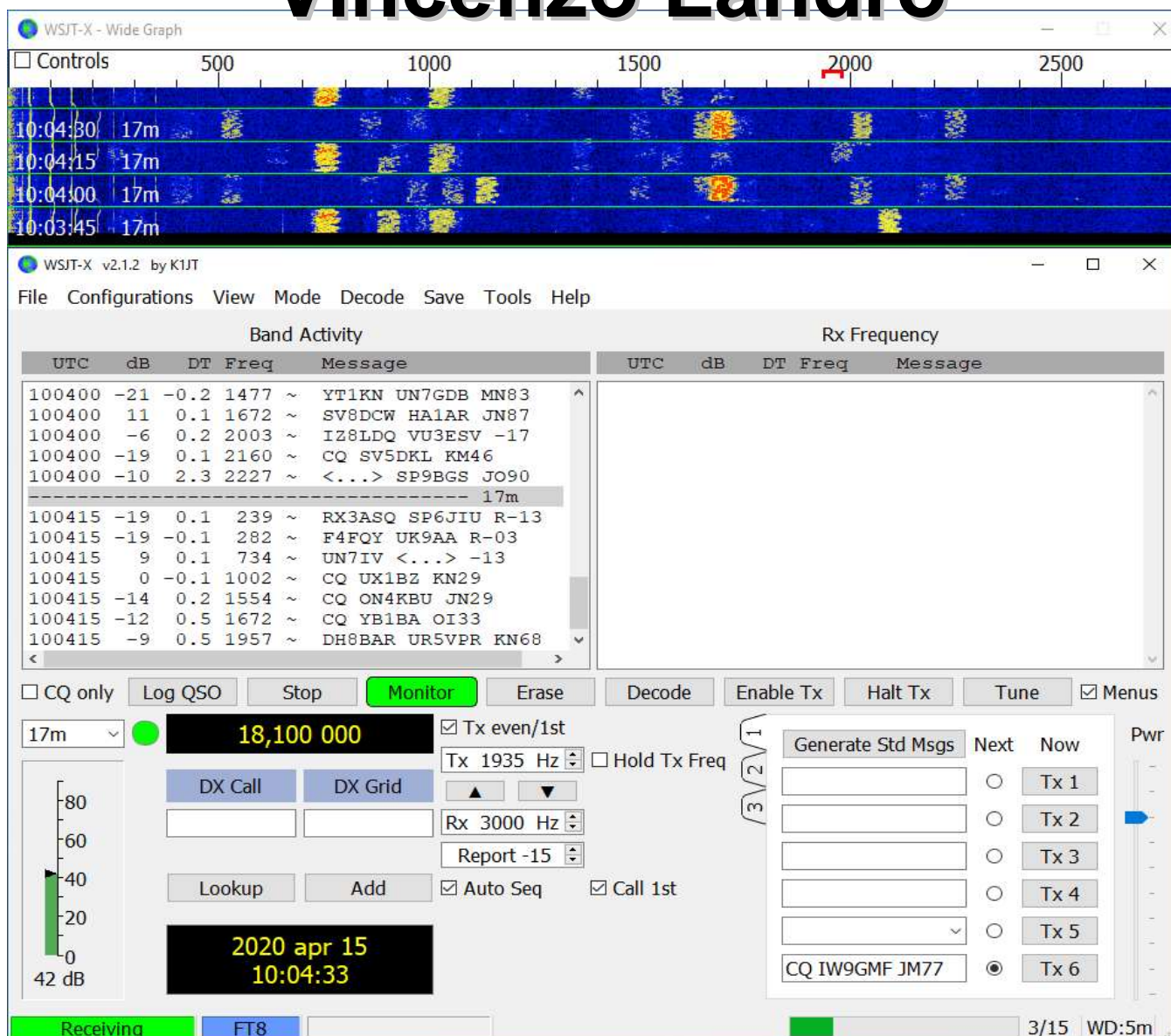




FT8 & Co.

Relatore IW9GMF

Vincenzo Landro





FT8 & Co.

FT8 SI / NO
DETRATTORI / FAUTORI
FT8 KILLER MODE

WSJT-X 2.1.2

JTALERT 2.16.4

Callsign database 18/apr/2020

JTDX 2.1.0 RC149

WINDOWS 10 PRO BUILD 1909

CPU INTEL I5 3GHZ – 8GB RAM



FT8 & Co.

IL MINIMO SINDACALE PER FT8

AGGIUSTIAMO IL TIRO

JTALERT

JTDX

ARNESI DA CACCIA

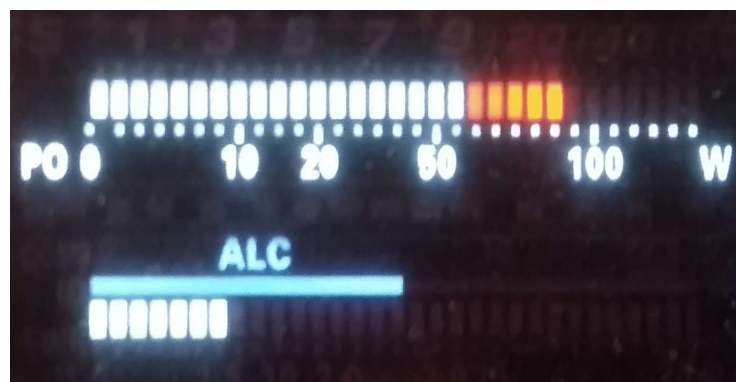
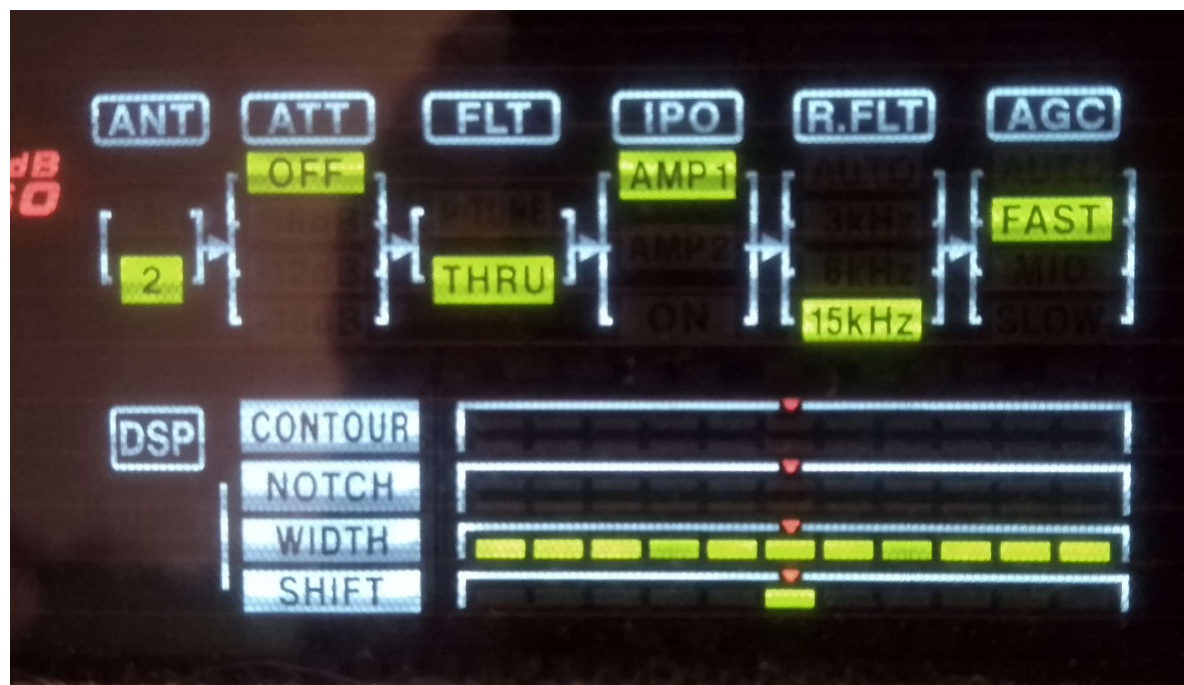
UNA MARCIA IN PIU'



MAIN SETTINGS IN FT8

- RADIO: FILTRI, DIGITAL MODE, BANDA PASSANTE**

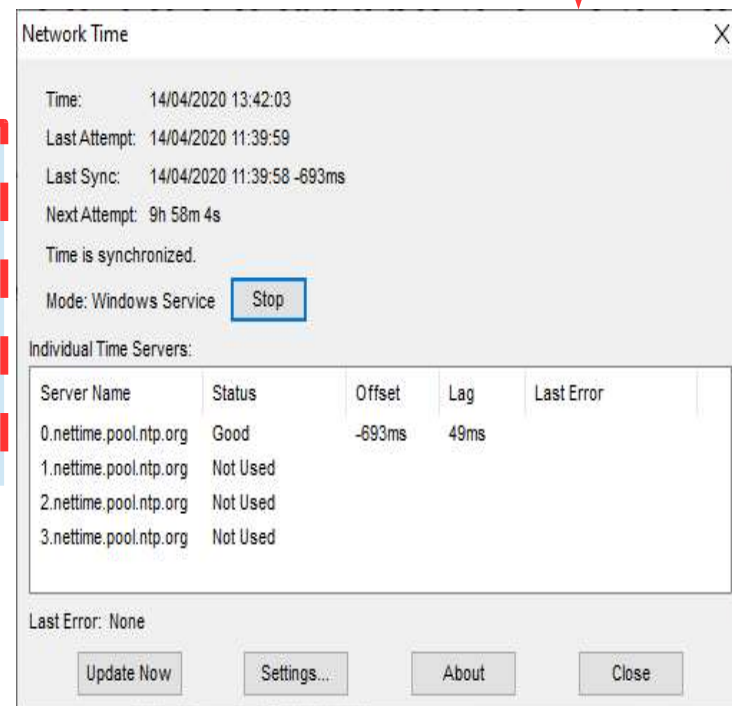
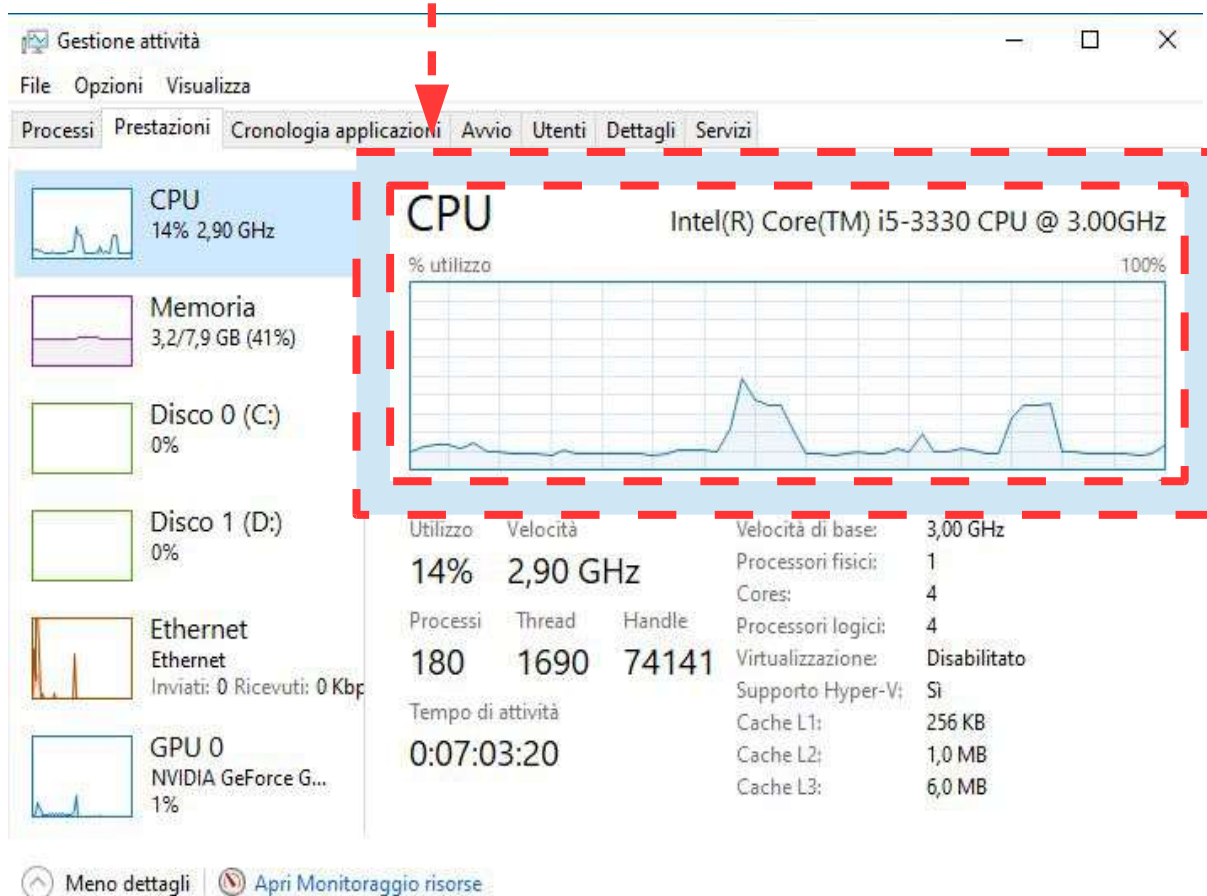
- FILTRI OFF
- AGC FAST
- DSP OFF
- ATT – PRE OFF
- NB OFF
- SHIFT OFF
- VRF OFF





MAIN SETTINGS IN FT8

- **PC:** APP IN ESECUZIONE, SK AUDIO DEDICATA, CLOCK, PERFORMANCES, SERVIZI IN BACKGROUND

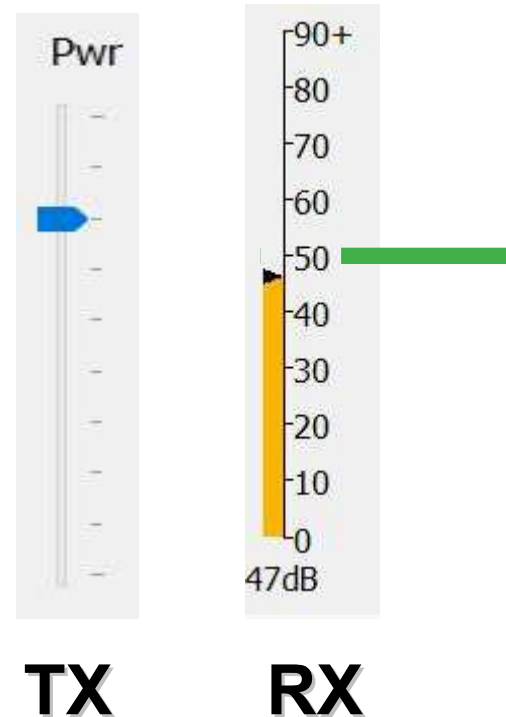
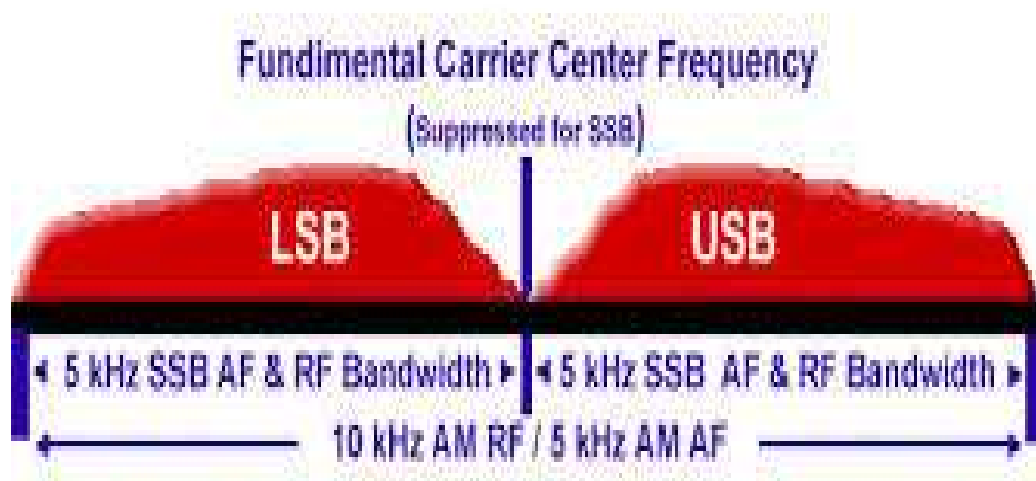


Soft per sync clock



MAIN SETTINGS IN FT8

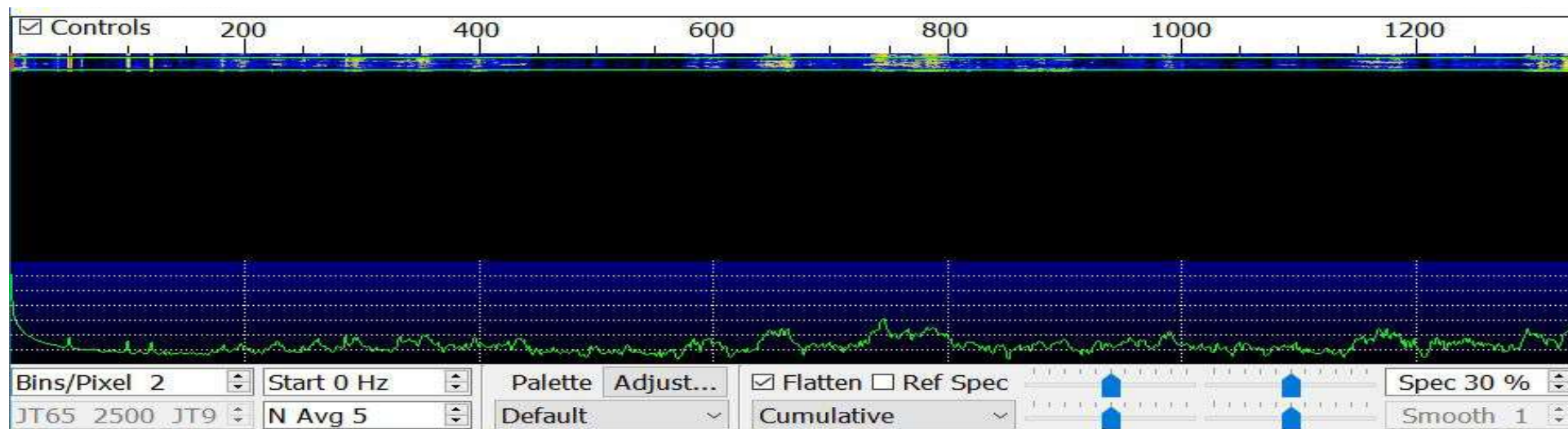
- **WSJT-X** LIVELLI AUDIO
- CURVA DI RISPOSTA AUDIO > ALC E POSIZIONE DEL MARKER [TX] A xxxx HZ





FT8

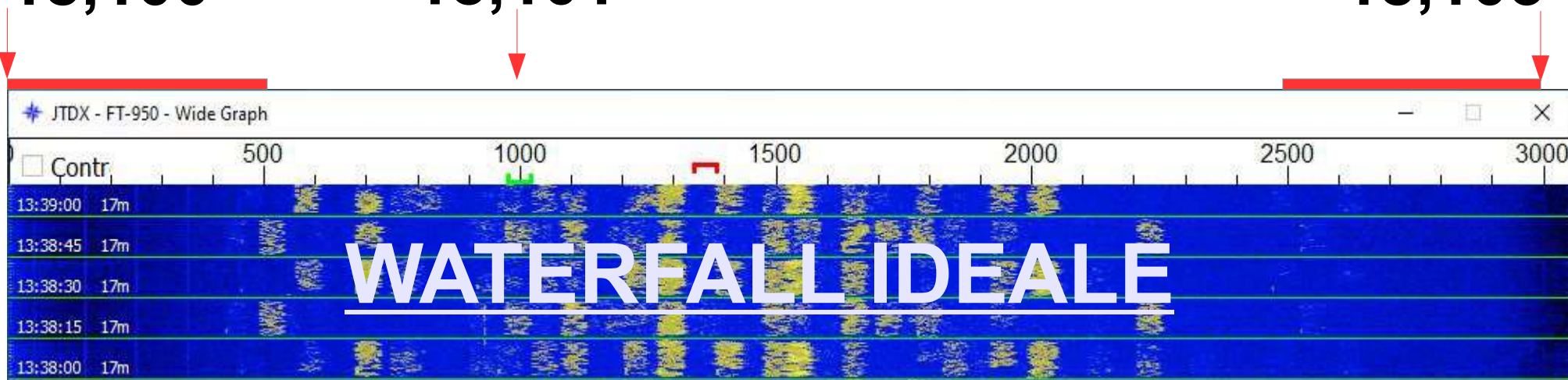
IL WATERFALL

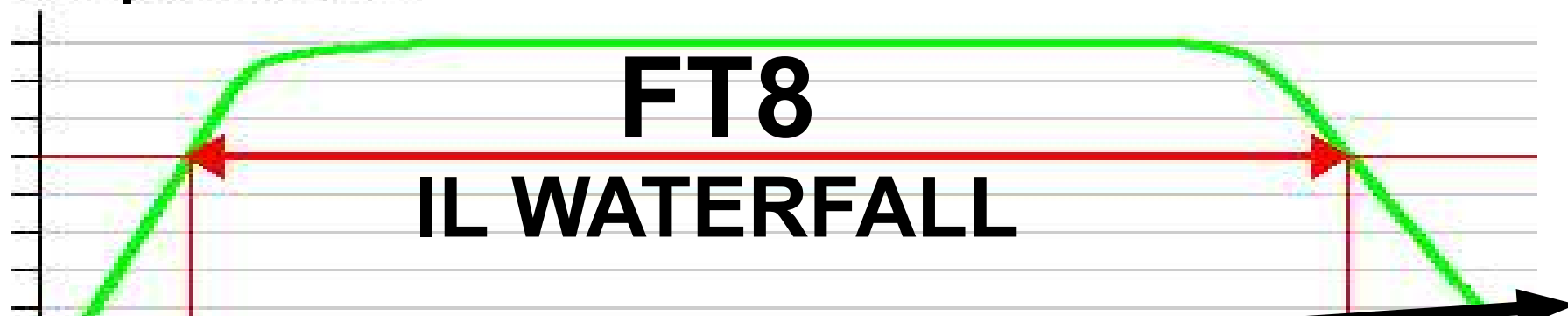


18,100

18,101

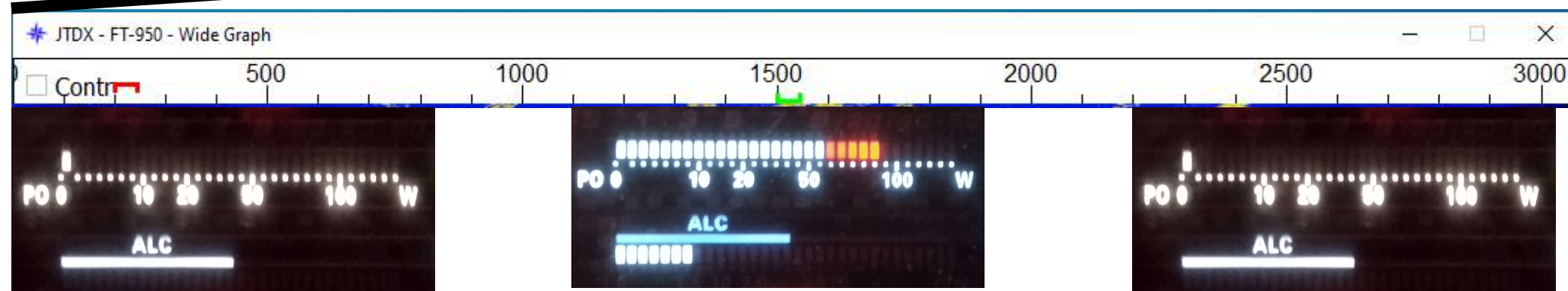
18,103





TONO GRAVE

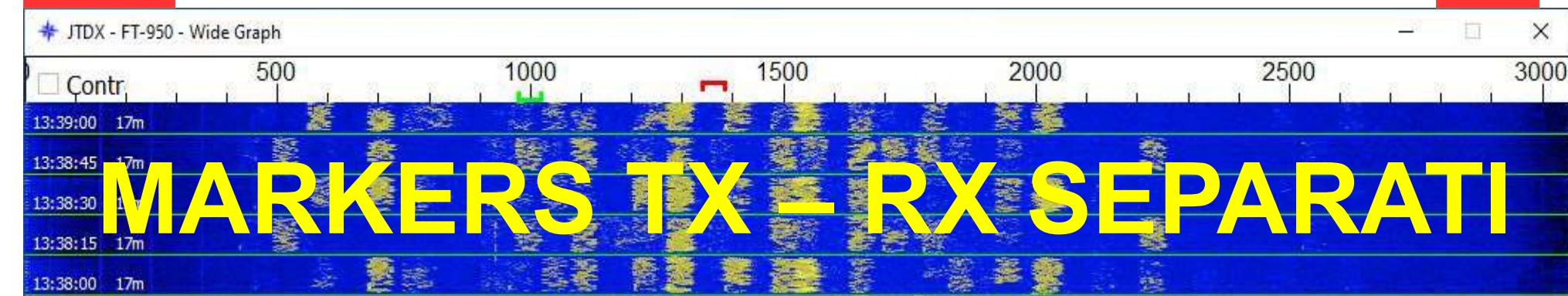
TONO ACUTO



18,100

18,101

18,103





FT8

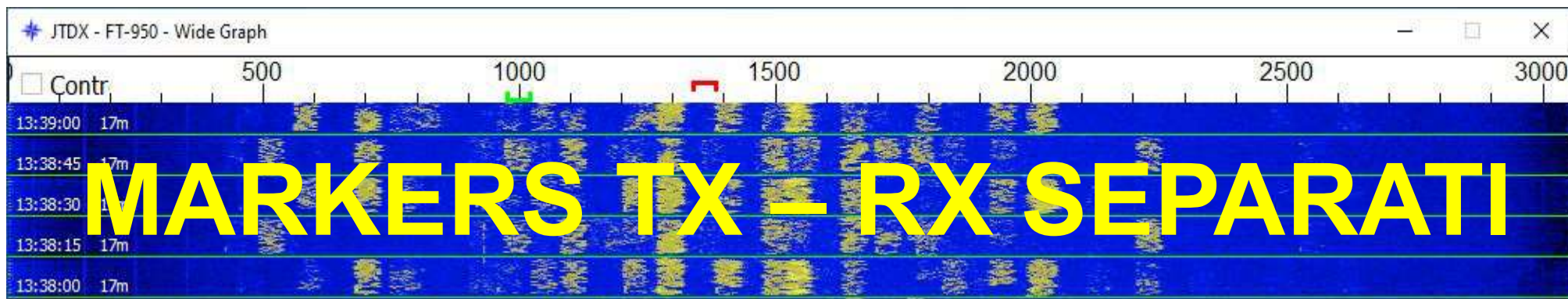
MARKER TX - RX



(A) **I MARKERS TX = RX**



(B) **DECIDO IO DOVE TX**



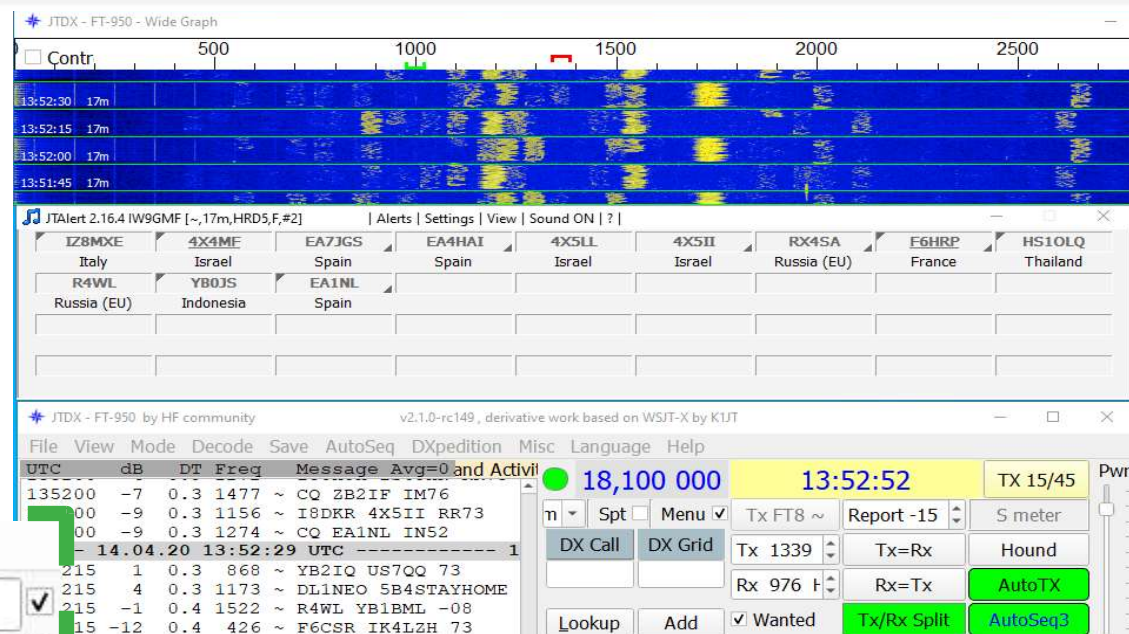
CASO (A) SONO IN ISO, IL DX RISPONDE AD ALTRI, WSJT-X BLOCCA LA TX
CASO (B) RX IL DX A 1421 HZ, TX A 1000 WSJT-X CONTINUA FINO A QSO LOGGED



JTAlert - SI PARTE!



COMINCIAMO BENE. I
CALL DECODIFICATI
DISPOSTI IN FILE
ORDINATE,
FACILMENTE LEGGIBILI
E ACCOMPAGNATI DAL
DXCC DI PERTINENZA



Primary UDP Server

UDP Server: 127.0.0.1

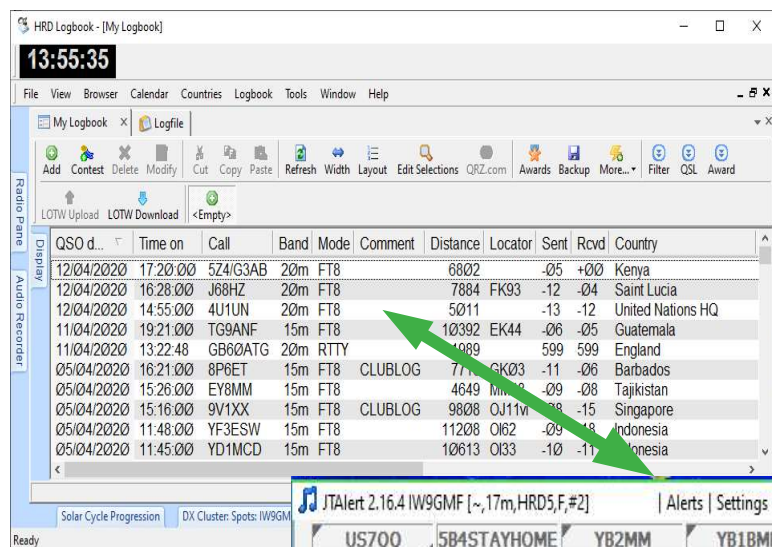
UDP Server port number: 2237

UN SOLO PARAMETRO DA SETTARE IN
WSJT-X [FILE\SETTINGS\REPORTING]

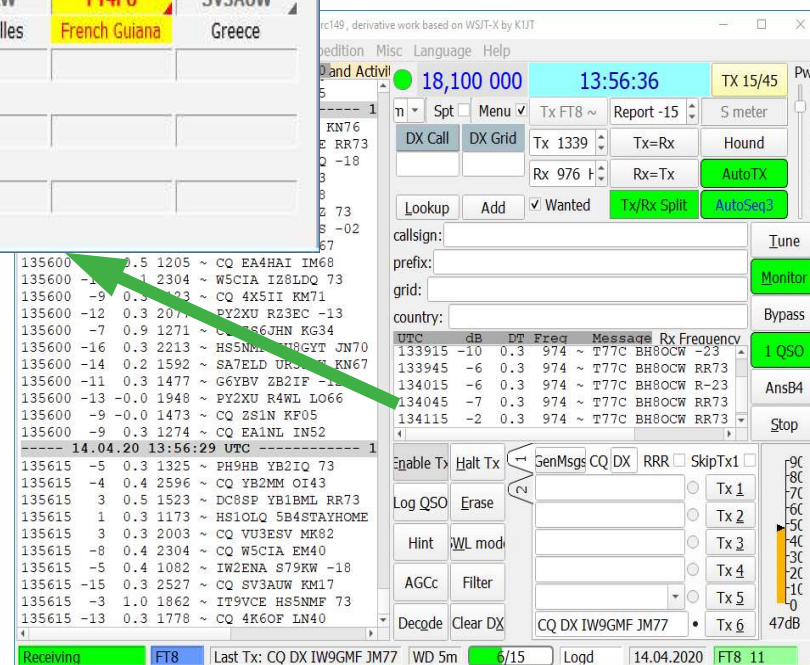


JTALERT – COSA FA

**DXCC, PREFISSI, LOCATOR,
US STATES, VE PROVINCES,
CQ ZONE, CQ, LOTW, EQSL,
NUOVI MODI PER BANDA**

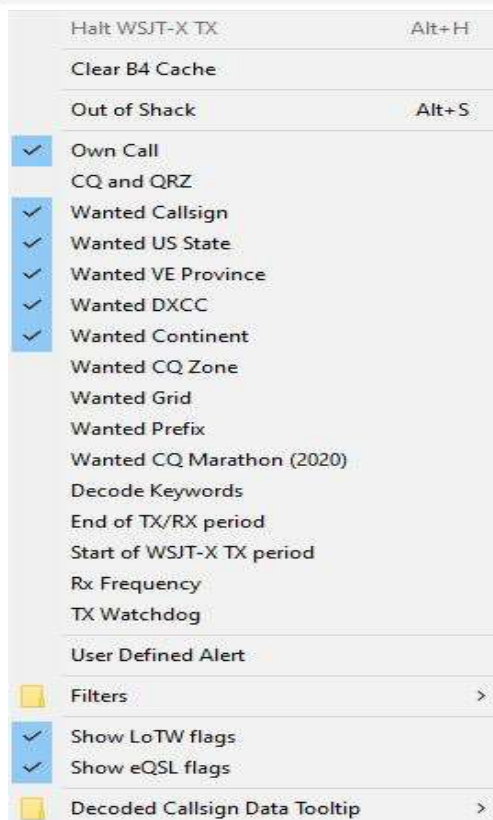
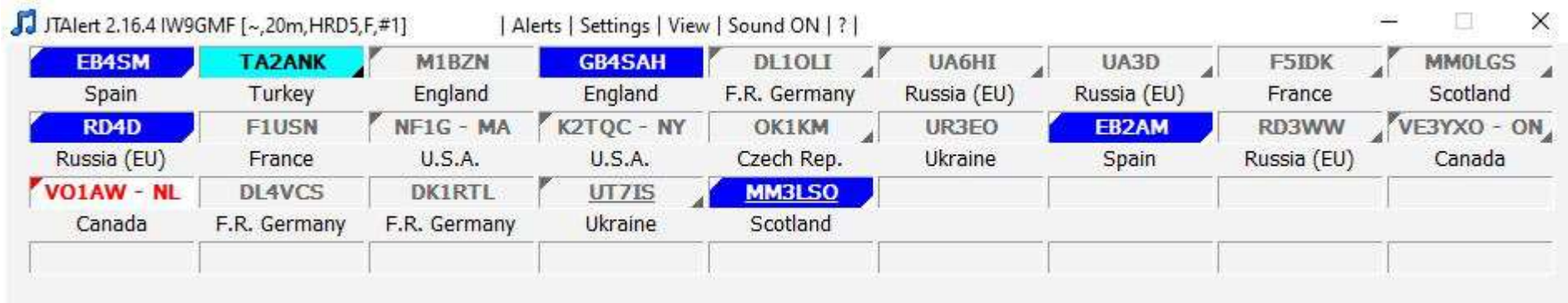


**WORKED B4, MONITOR O
ESCLUSIONE DI CALL
SPECIFICI**





JTAlert – GLI ALLARMI



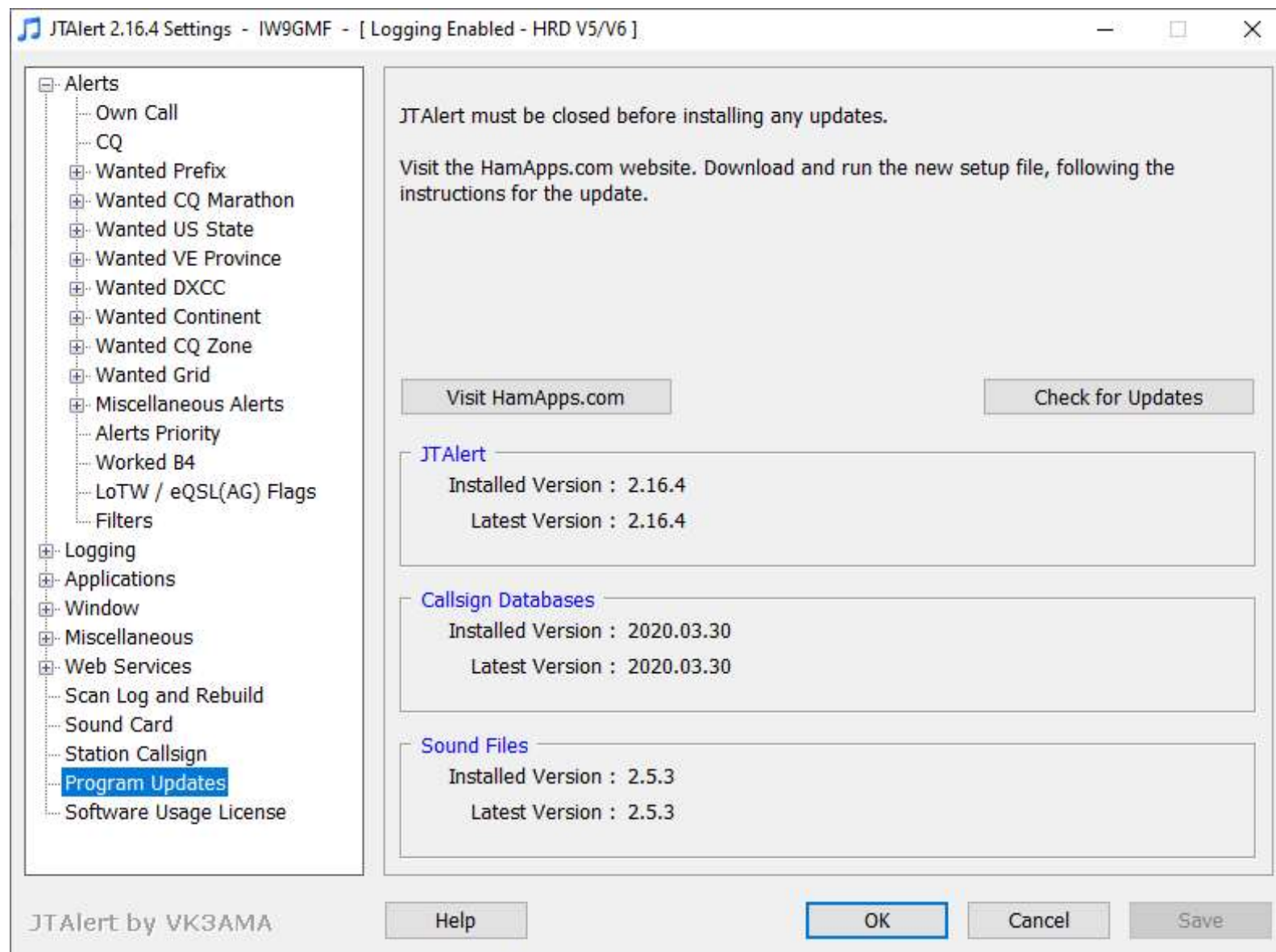
IL MENU'
[ALERTS]



ALERT
WINDOW PER
MODIFICARE
AL VOLO GLI
ALLARMI

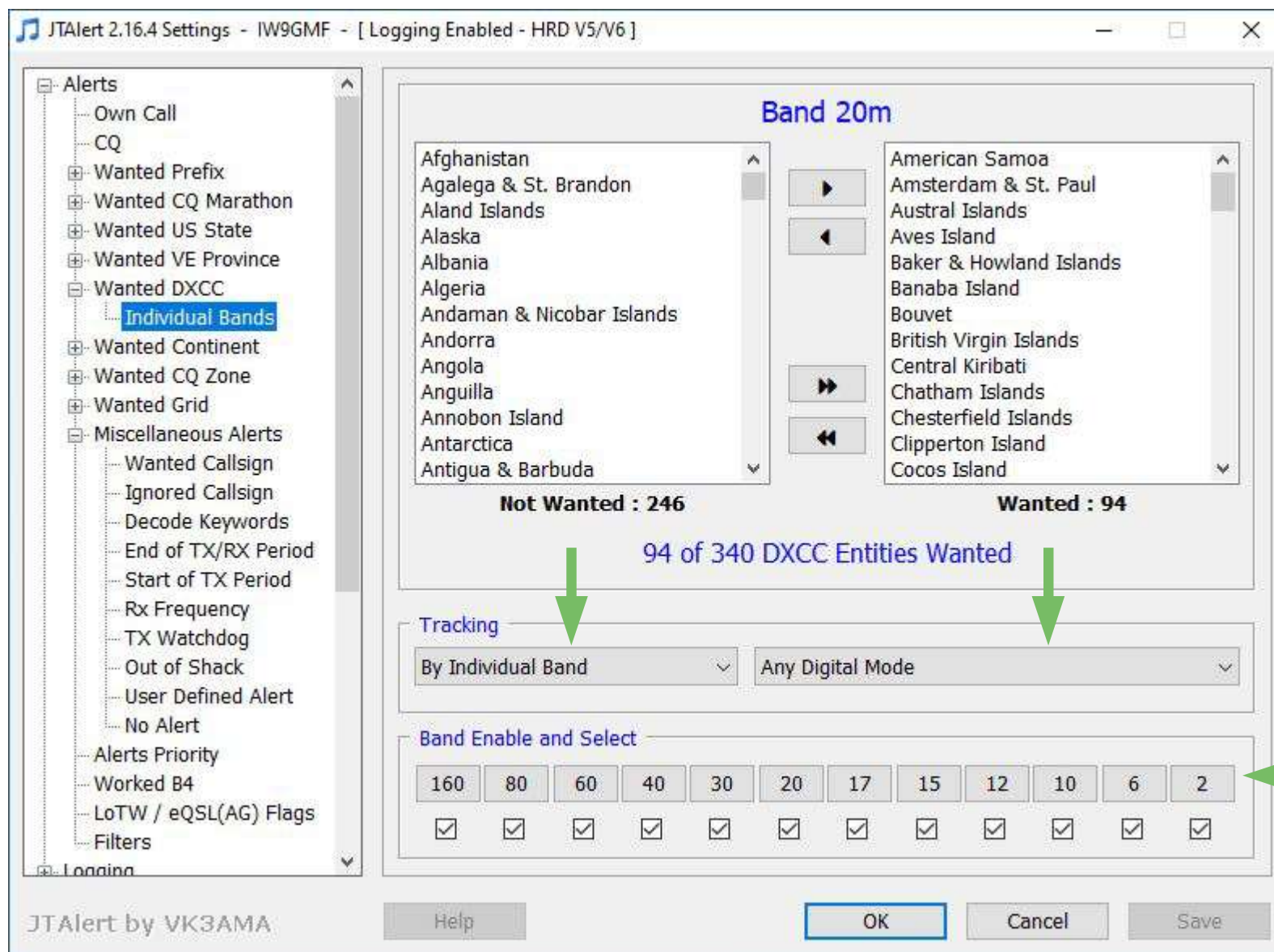


JTAlert - I SETTINGS



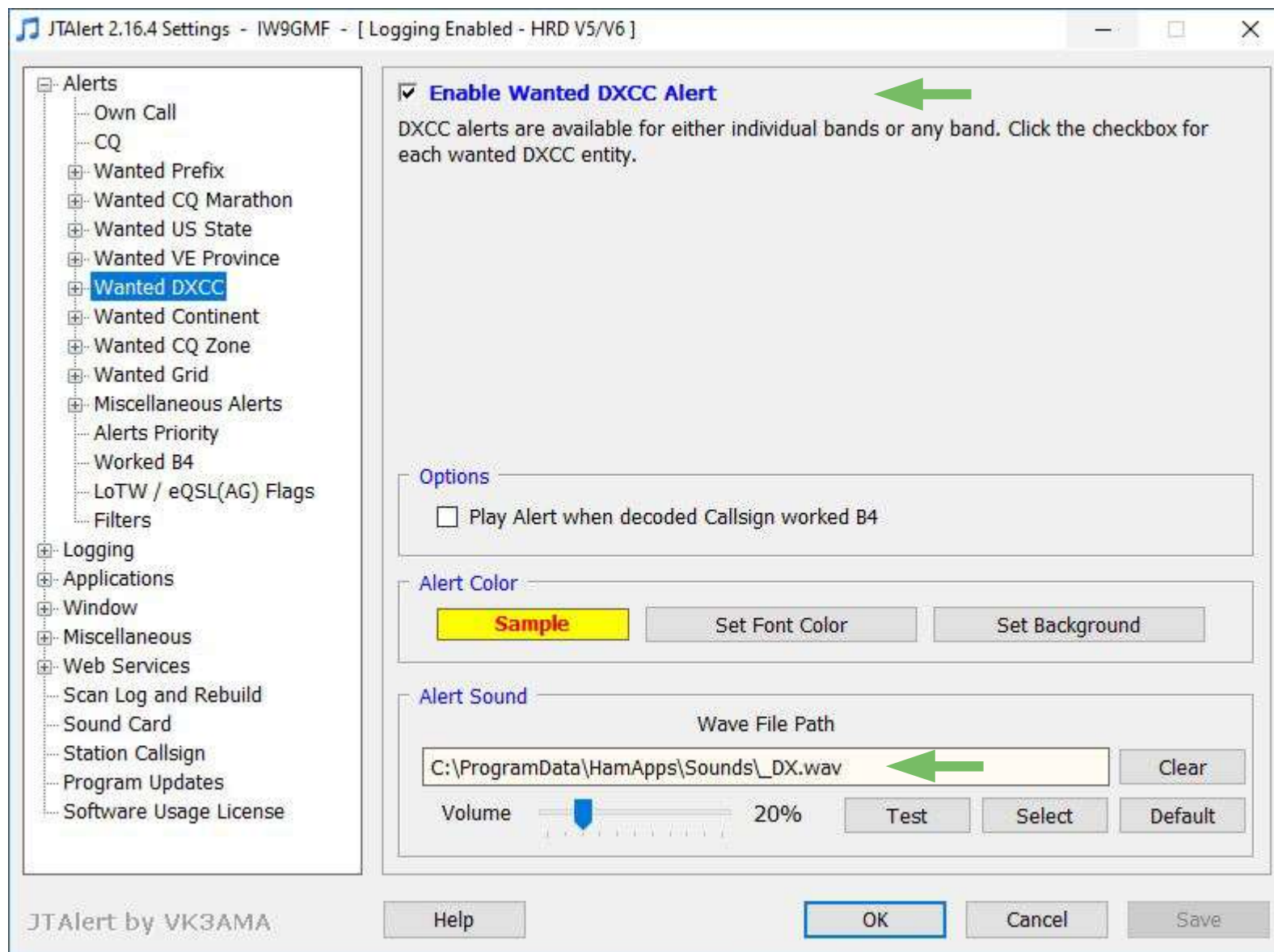


JTAlert – WANTED DXCC SET



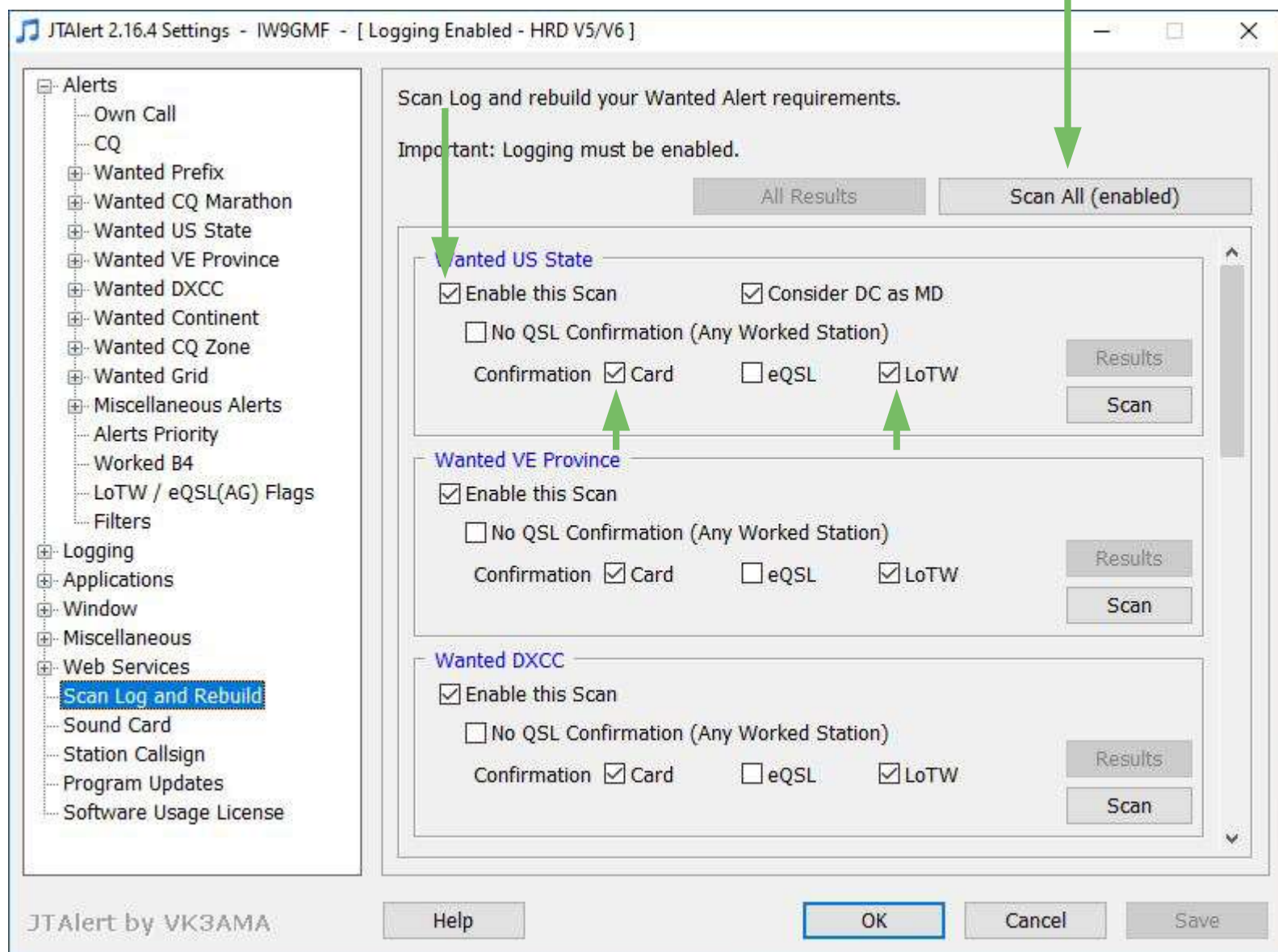


JTAlert – WANTED DXCC SET





JTAlert – [SCAN LOG AND REBUILD]





JTALERT – SCAN LOG IN AZIONE

**[SCAN LOG E
REBUILD]
OPERAZIONE
PERIODICA**

**LOG DI STAZIONE
SEMPRE
AGGIORNATO, QSL
CARTACEE E LOTW**

Log Scan - HRD V5/V6

[DXCC : Digital Modes Only]

Scanning Log : Band - 10m

Band : ANY	- DXCCs Needed : 108	(Previous : 109)
Band : 160	- DXCCs Needed : 340	(Previous : 340)
Band : 80	- DXCCs Needed : 329	(Previous : 330)
Band : 60	- DXCCs Needed : 340	(Previous : 340)
Band : 40	- DXCCs Needed : 199	(Previous : 199)
Band : 30	- DXCCs Needed : 219	(Previous : 219)
Band : 20	- DXCCs Needed : 178	(Previous : 180)
Band : 17	- DXCCs Needed : 170	(Previous : 170)
Band : 15	- DXCCs Needed : 188	(Previous : 188)
Band : 12	- DXCCs Needed : 231	(Previous : 231)
Band : 10	- DXCCs Needed : 246	(Previous : 246)
Band : 6	- DXCCs Needed : 286	(Previous : 286)
Band : 2	- DXCCs Needed : 340	(Previous : 340)

[DXCC : Digital Modes Only]

OK - Apply Cancel



JTAlert – ALERTS IN AZIONE

JTAlert 2.15.11 IT9HCS [FT8,17m,HRD5,Filter,#1] (Updates)

Alerts Settings View Sound ON Help

EA8AUW -12 Canary Is.	AN100L -12 Spain	HB9TWU -10 Switzerland	EA5GI -15 Spain	YB2KK -08 Indonesia	LU8HH -10 Argentina	HB9EUW -12 Switzerland	YE0TUR -09 Indonesia	ER5DX -16 Moldova
AM2WARD -17 Spain								

TNX TO: IT9HCS

NEW DXCC !?! →

Alert Types

- ON ☒ Own Call
- ON ☒ CQ
- ON ☒ Wanted Callsign
- ON ☒ Wanted Prefix
- ON ☒ Wanted Grid
- ON ☒ Wanted US State
- ON ☒ Wanted VE Province
- ON ☒ Wanted DXCC
- ON ☒ Wanted CQ Zone
- ON ☒ Wanted Continent
- OFF ☐ Wanted CQ Marathon
- ON ☒ Ignored Callsign
- ON ☒ Decode Keywords
- Worked B4
- No Alert



JTALERT (LOG FIELDS)

9M2TO ☐ Q

New Band Name QTH Grid Comments PWR Time Country Name CQ ITU Cont. QSL

FT8 Band : 160 80 60 40 30 20 17 15 12 10 6 2 # : FT4 Band : 160 80 60 40 30 20 17 15 12 10 6 2 # : ✓ Wrk
 Callsign : ✓ □ ✓ ✓ 3 : Callsign : 0 : ✓ Cfm

**(CHECKLOG)
 JTALERT NON HA
 FALLITO, 9M2TO
 EFFETTIVAMENTE
 COLLEGATO IN FT8
 30, 17 E 15 MT**

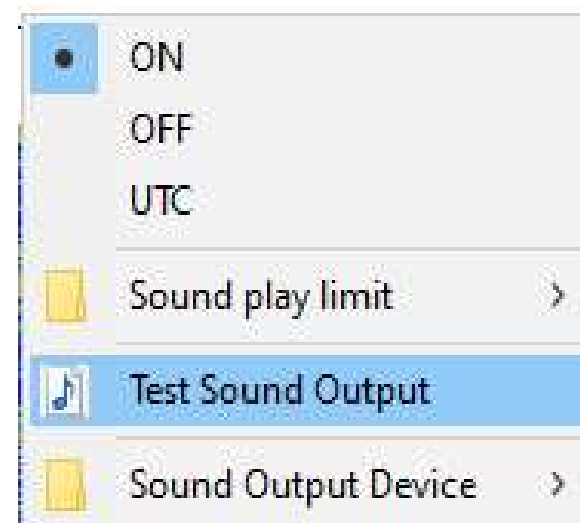
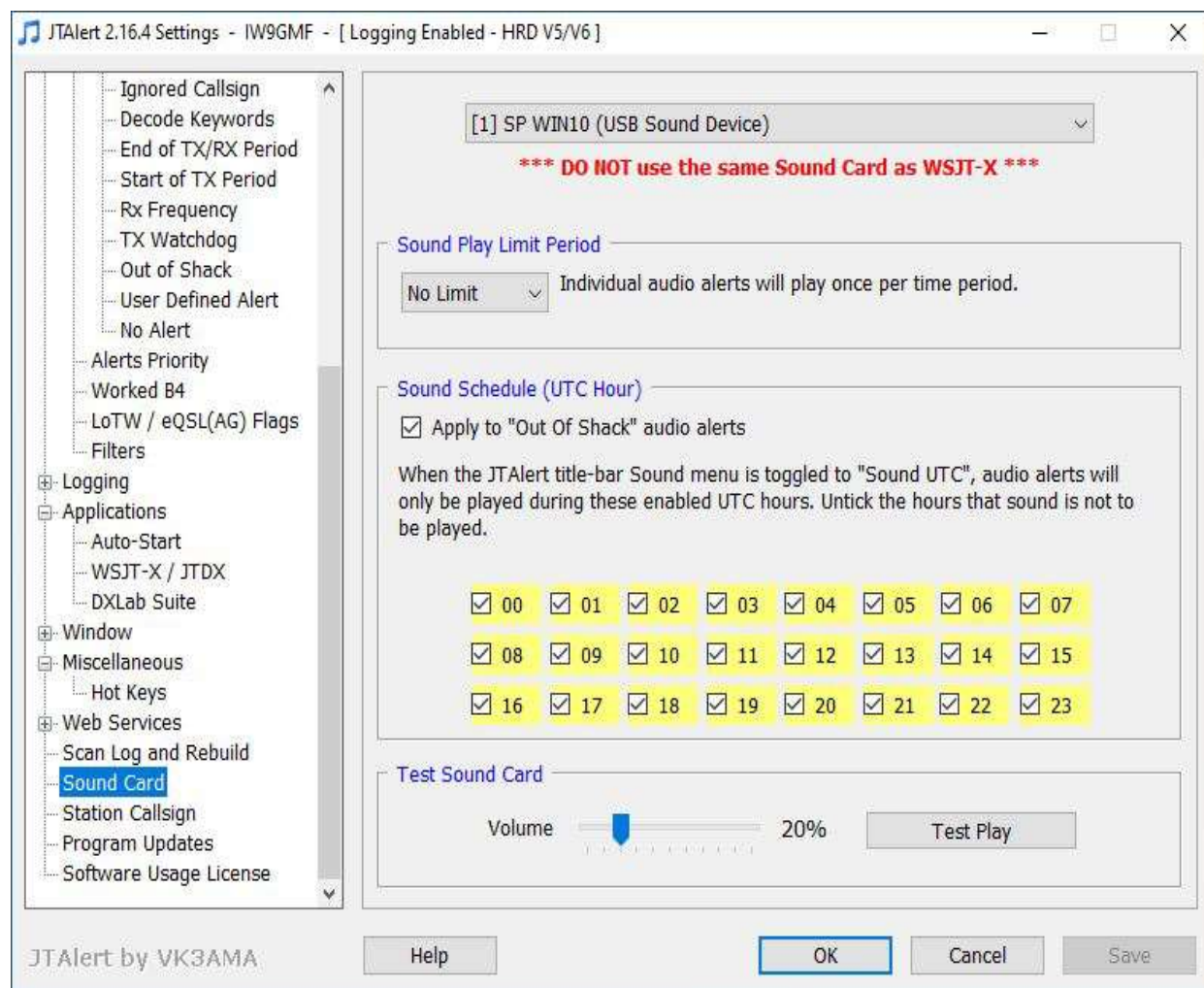
☒ Callsign ☐ Date ☒ Field

Match: Match: Value:

QSO date	Time on	Call	B ▾	Mode
26/11/2018	14:01:00	9M2TO	30m	FT8
05/12/2017	10:26:00	9M2TO	17m	FT8
10/03/2018	10:06:00	9M2TO	15m	FT8



JTAlert TIPS & TRICKS



SUONI ALLARMI **ON** / **OFF** O ATTIVI IN DETERMINATE **FASCE ORARIE**



JTAlert TIPS & TRICKS

Enable Membership Indicators

☒ Enable LoTW Stripe/Flag ☒ Enable eQSL(AG) Stripe/Flag

☐ Use Stripes
☒ Use Flags

LoTW Position:

eQSL(AG) Position:



LOTW / EQSL USER ON /OFF

Alert Callsigns

Callsign:

*** See the help file for important wildcard matching notes ***

IMPOSTARE LA LISTA DEI [WANTED CALLSIGNS]

Text Message

Send a short text message.
Message is sent without confirmation of receipt. The recipient station may not be using JTAlert or may have messages turned off.

Call sign: OFFLINE

**QSO LOGGED?
TRY 17 MT PSE?
QSO LOGGED
73 IW9GMF**

256 Characters Max

Received Messages - Last 10

TEXT MESSAGE WINDOW



JTALERT - CALLSIGN ALERT

<https://www.ng3k.com/Misc/adxo.html>

DX APRILE - Blocco note di Windows

File Modifica Formato Visualizza ?

3B8DB, 3D2AG, 4S7AB, 5R8UI, CN8WW, FM5FJ, HP1XT, MD2C, ZD7BG

Alert CallSigns

Callsign Add >>

3B8DB
3D2AG
4S7AB
5R8UI
CN8WW
FM5FJ

Import / Append Import / Replace Delete Clear

*** See the help file for important wildcard matching notes ***

JT%,V31%,YJ%
(SINTASSI DXCC/PREFIX SPECIFICI)



VP2VB|EX0QR|9G5XA|TO7DL|TX8A|VU4R|YJ0NC|
9J2LA|J2.*|V26FP|8P6DR|3B9.*|W8S|8Q7NC|V31GX|
PQ0S|T30ET|TU2R|ZF2PG|VP8.*|P29.*|H33K|9K2F|

SPOT FILTERS HRD LOGBOOK

April			
2020 Apr14	2020 May15	Ghana	9G5GS [spots]
2020 Apr18	2020 Apr19	Mauritius	3B8DB NEW
2020 Apr18	2020 Apr19	Fiji	3D2AG NEW
2020 Apr18	2020 Apr19	Sri Lanka	4S7AB NEW
2020 Apr18	2020 Apr19	Madagascar	5R8UI NEW
2020 Apr18	2020 Apr19	Morocco	CN8WW NEW
2020 Apr18	2020 Apr19	Martinique	FM5FJ NEW
2020 Apr18	2020 Apr19	Panama	HP1XT NEW
2020 Apr18	2020 Apr19	Isle of Man	MD2C NEW
2020 Apr18	2020 Apr19	St Helena	ZD7BG NEW



JTALERT - CALLSIGN ALERT

Alert CallSigns

Callsign Add >>

3B8DB
3D2AG
4S7AB
5R8UI
CN8WW
CM5CT

Delete

Clear

Import / Append Import / Replace

*** See the help file for important wildcard matching notes ***

Important : Wildcard matching is an expensive task, processing wise, and can lead to delays in decode alerting if there are many wildcards defined, especially if there are many decodes to process on a busy band. It is recommended that the number of wildcard filters be kept to a minimum, preferably less than 20.

Il riscontro sugli ALERTS è un'attività onerosa in termini di elaborazione e può comportare ritardi nella generazione di allarmi se ne sono stati definiti molti, soprattutto per le decodifiche da elaborare su una banda occupata. Si consiglia di ridurre al minimo il numero di ALERTS, preferibilmente inferiore a 20.



JTALERT SOLO SE...

JTAlert 2.16.4 IW9GMF [~,20m,HRD5,F,#2] | Alerts | Settings | View | Sound ON | ? |

G0UYT England	F6DZU France	DL6MRS F.R. Germany	OP6STAYHO... Belgium	M0ZJQ England	EA2EPL Spain	G3PXT England	RA3CA Russia (EU)	ON2IC Belgium
RW4CB Russia (EU)	SV1CDN Greece	PA8KW Netherlands	DL2DYA F.R. Germany	EA1GT/QRP Spain	M6JVJ England	R7AZ Russia (EU)	DK0AE F.R. Germany	R2DRE Russia (EU)
RY7G Russia (EU)	EA7FMT Spain	VU2WJ India	EA2DDE Spain	DC7JC F.R. Germany	G4ZSV England	M0ADH England	R7TS Russia (EU)	SP9QZG Poland
DH5PR F.R. Germany	LA2XO Norway	4X1IG Israel	GM0OPS Scotland					



- **USIAMO UN LOG SOFT SUPPORTATO**
- **CFM LOTW, QSL, EQSL AGGIORNATE**
- **SCAN LOG & UPDATE**
- **(WSJT-X HA UN SUO LOG NON ADATTO)**



JTAlert – IL PIANO B

JTAlert 2.16.4 IW9GMF [~,20m,HRD5,F,#2] | Alerts | Settings | View | Sound ON | ? |

G0UYT England	F6DZU France	DL6MRS F.R. Germany	OP6STAYHO... Belgium	M0ZJQ England	EA2EPL Spain	G3PXT England	RA3CA Russia (EU)	ON2IC Belgium
RW4CB Russia (EU)	SV1CDN Greece	PA8KW Netherlands	DL2DYA F.R. Germany	EA1GT/QRP Spain	M6JVJ England	R7AZ Russia (EU)	DK0AE F.R. Germany	R2DRE Russia (EU)
RY7G Russia (EU)	EA7FMT Spain	VU2WJ India	EA2DDE Spain	DC7JC F.R. Germany	G4ZSV England	M0ADH England	R7TS Russia (EU)	SP9QZG Poland
DH5PR F.R. Germany	LA2XO Norway	4X1IG Israel	GM0OPS Scotland					

- INSTALLARE LOG4OM
- IMPORTARE IL LOG DA WSJT-X A LOG4OM
- DA EFFETTUARE PERIODICAMENTE:
 - > LOG4OM > AGGIORNARE STATUS QSL – LOTW
 - > JTAlert > SCAN LOG
- PROBLEMA RISOLTO (**SOLO QSO IN FT8/FT4**)

Tracking

By Individual Band

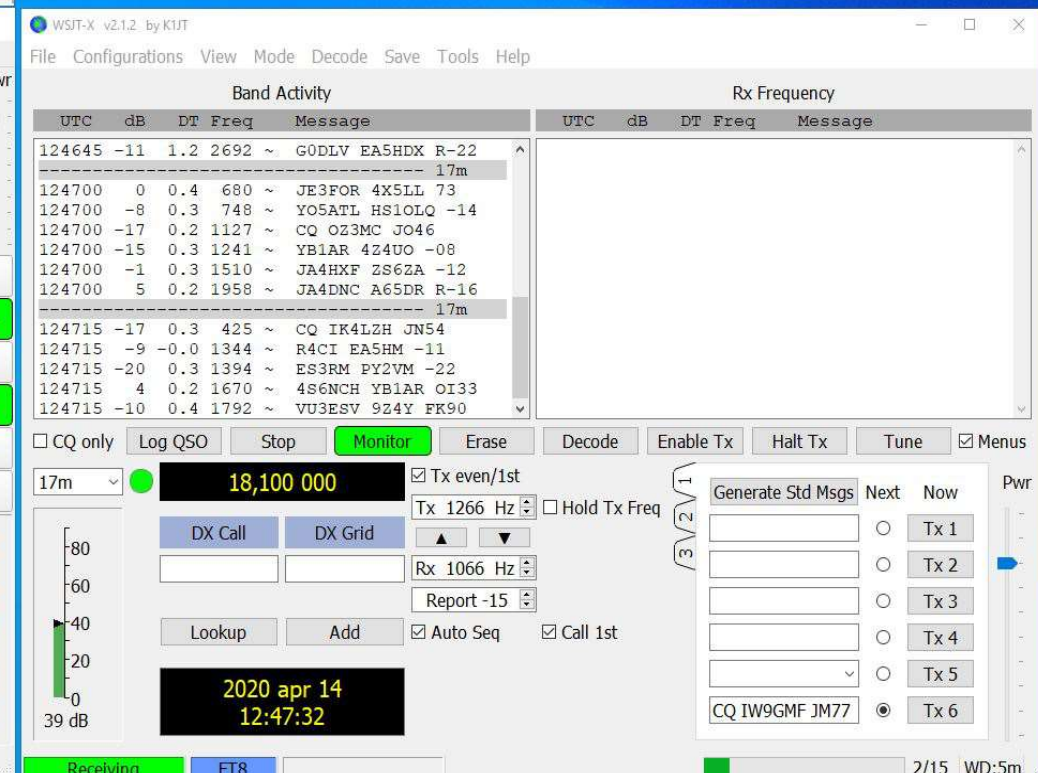
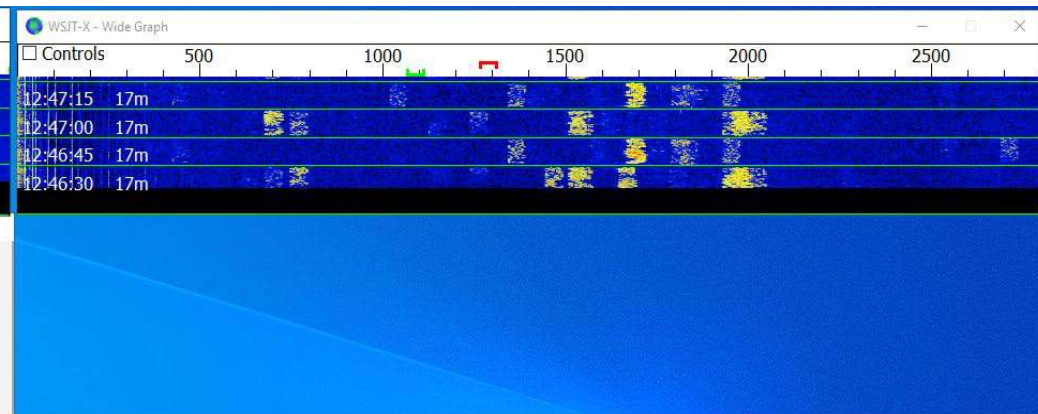
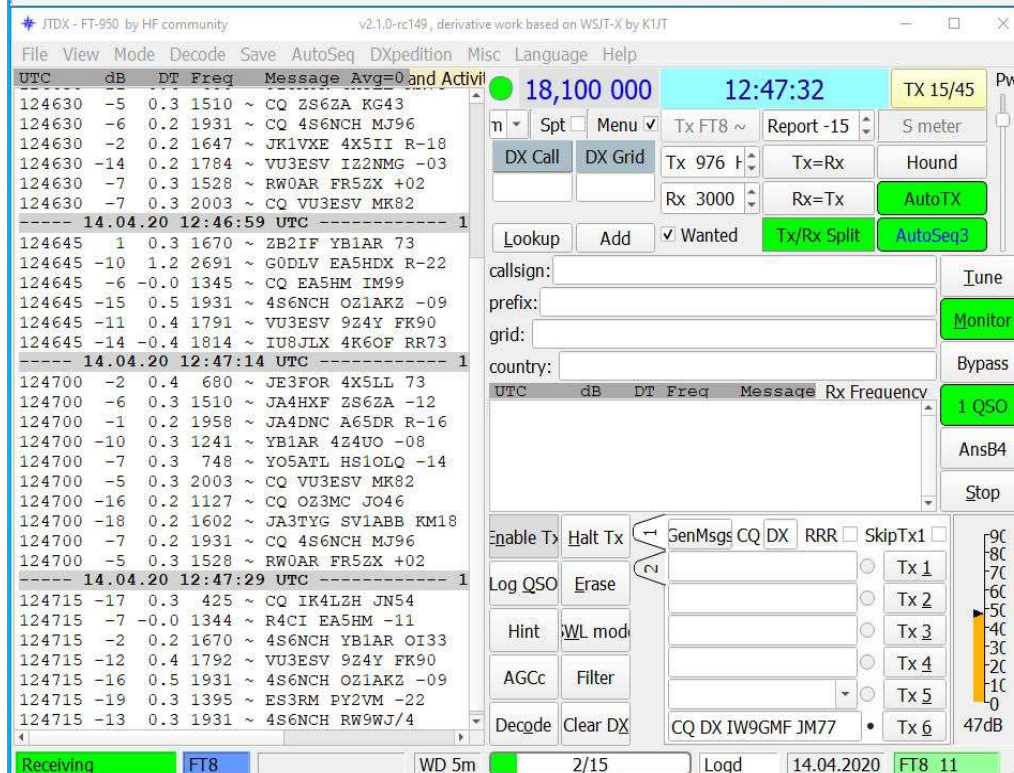
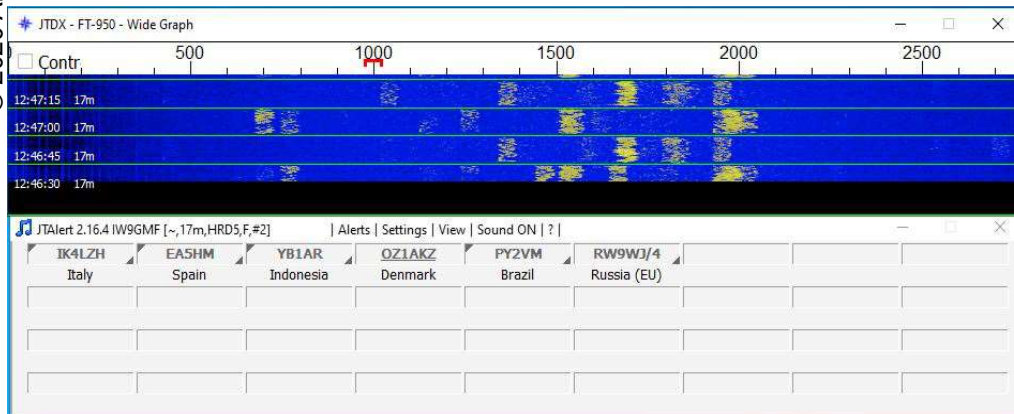
Any WSJT-X Mode (JT9 or JT65 or FT8 or FT4)



JTDX

VS

WSJT-X





JTDX

VS

WSJT-X

```
def add5(x):
    return x+5

def doterite(ast):
    nodename = getNodeName()
    label=symbol.syn_name.get(int(ast[0]),ast[0])
    print ' %s [label="%s" % (nodename, label),
    if isinstance(ast[1], str):
        if ast[1].strip():
            print ' %s' % ast[1]
        else:
            print ""
    else:
        print "]:"
        children = []
        for i in n, childrenname(ast[1]):
            children.append(doterite(child))
        print ' %s -> |' % nodename
        for i in namechildren:
            print ' %s' % name,
```

,µn@Äf'iIU`Üe0†+ô{/ÖùçÎ'g-Ü
 ÚRê™2(ÊkmK¹RON´EE <«'NN,Š\Ã,³WgÂâ:üE vkt sôfRpb v9|µ!~*Pp1 <"
 Ž`'fb×@a~>çÝ%9(~,{ y pÈŽ-m0_ÿ† 0iAûiBâyùP0
 ÝElÀ0wª ž -× ô{oÔôÜ¾?tAAĬ •'d1 B1TpEÜ ë'...
 FIÛÔ,00¥Z- Ö[Ë\$óhW'#0cøàŧZS æÃ†1{øàVa'

CODICE SORGENTE

PROGRAMMA COMPILATO

JOE TAYLOR K1JT HA MESSO A DISPOSIZIONE DELLA
 COMUNITA' IL CODICE DI WSJT-X

IL SOFT PUO' ESSERE MODIFICATO, MIGLIORATO,
 ARRICCHITO CON NUOVE FUNZIONALITA', ES LA
 “LOCALIZZAZIONE” (LINGUA ITALIANA)



JTDX

JTDX - FT-950 by HF community v2.1.0-rc149, derivative work based on WSJT-X by K1JT

File View Mode Decode Save AutoSeq DXpedition Misc Language Help

UTC	dB	DT	Freq	Message	Avg=0 and Activi
152100	-16	1.1	1433	~ MM6IXE CT1GFK IM67	
152100	-8	0.4	2139	~ CQ G3VPW IO91	
152100	-12	0.3	2334	~ CQ MI0HZD IO74	
152100	-11	1.7	1427	~ DJ0AH EA7HLU -05	
152100	-12	0.4	2267	~ LX5WARD YU1AB -04	
152100	-8	1.8	1362	~ CQ F1BGI JN09	
152100	-13	0.2	1718	~ UA9MA CT7AGM R-24	
152100	-15	0.3	1985	~ DM3RCK R7TS -12	
----- 14.04.20 15:21:29 UTC ----- 2					
152115	-3	0.4	608	~ CQ DX YC6RMT NJ81	
152115	1	0.3	1362	~ F1BGI EA5ET IM99	
152115	-3	0.4	2358	~ CQ VU3OUM MK68	
152115	-8	0.4	523	~ IK4LZH M0SSK RR73	
152115	-12	0.4	1603	~ CQ VE3PJ FN14	
152115	-4	0.2	2684	~ JE6WOQ 3B8CW R-15	
152115	-6	0.4	880	~ CQ M3FON IO93	
152115	-9	0.6	1270	~ OM1CN PA3CPS JO32	
152115	3	1.1	2022	~ 4L1FL EA2EPL IN83	
152115	-10	-0.6	930	~ CQ RA3Y KO73	
152115	-13	0.3	1179	~ SP5LKJ EA1FCR RR73	
152115	-11	-0.9	2503	~ CQ RU3FA KO84	
152115	-8	0.5	1804	~ CQ 2E1DWP IO82	
152115	-6	0.8	2176	~ II5MPI G3YSK IO91	
152115	-11	0.6	1815	~ RW6PA EA5IDA +01	
152115	-7	-0.0	2414	~ PA8KW 9M2TO -13	
152115	-12	-0.1	1751	~ CQ SQ8AA KN19	
152115	-4	0.2	2075	~ R7KEO TA2ANK -02	
152115	-14	-0.1	1102	~ BI1AWQ IN3NJB JN56	
152115	-13	0.3	2296	~ YC1CT LY2MC -10	
152115	-17	0.4	1675	~ YB1BSE R2AW -12	
152115	-14	0.1	2217	~ SP5ATA LX5WARD RR73	
152115	-13	0.3	1315	~ RU3FM 2E0DFJ IO92	

14,074 000 15:21:32 TX 15/45

n Spt Menu Tx FT8 ~ Report -15 S meter

DX Call DX Grid Tx 1339 Tx=Rx Hound

Rx 3000 Rx=Tx AutoTX

Lookup Add Wanted Tx/Rx Split AutoSeq3

callsign: prefix: grid: country: Tune Monitor Bypass 1 QSO AnsB4 Stop

UTC	dB	DT	Freq	Message	Rx Frequency

Enable Tx Halt Tx GenMsgs CQ DX RRR SkipTx1

Log QSO Erase Tx 1 Tx 2 Tx 3 Tx 4 Tx 5 Tx 6

Hint WL mode

AGCc Filter

Decode Clear DX CQ DX IW9GMF JM77

Receiving FT8 Last Tx: CQ DX IW9GMF JM77 WD 5m 2/15 Logd 14.04.2020 FT8 11

47dB



JTDX

The screenshot shows the JTDX software interface with the following elements:

- Top Bar:** Frequency 14,074 000, Time 15:21:32, TX 15/45, Pwr slider.
- Mode and Settings:** Tx FT8 ~, Report -15, S meter, Hound, AutoTX, AutoSeq3, Tx/Rx Split, Tx 1339, Rx 3000, Tx=Rx, Rx=Tx, Wanted, Add, Lookup, DX Call, DX Grid.
- Call Sign Fields:** callsign, prefix, grid, country.
- Buttons:** Tune, Monitor, Bypass, 1 QSO, AnsB4, Stop.
- Bottom Section:** Enable Tx, Halt Tx, Log QSO, Erase, Hint, WL mode, AGC, Filter, Decode, Clear DX, GenMsgs, CQ, DX, RRR, SkipTx1, Tx 1, Tx 2, Tx 3, Tx 4, Tx 5, Tx 6, CQ DX IW9GMF JM77, 47dB.

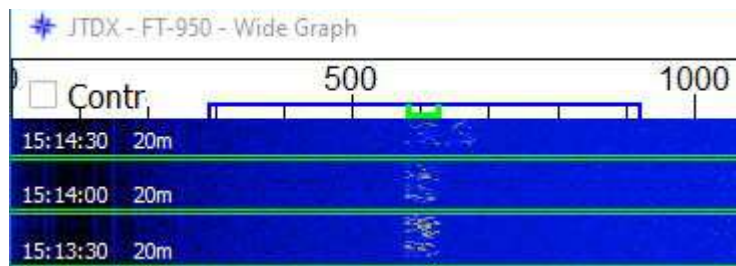
ALCUNE
FUNZIONALITA'
IMPLEMENTATE
IN JTDX

TX 00/30
S-METER
HOUND MODE
1 QSO
CQ
PERSONALIZZATI
FILTER

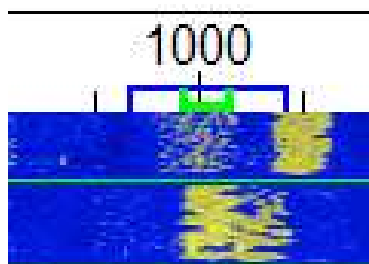
MONITOR
>CALL
>PREFISSI
>LOCATOR
>COUNTRY



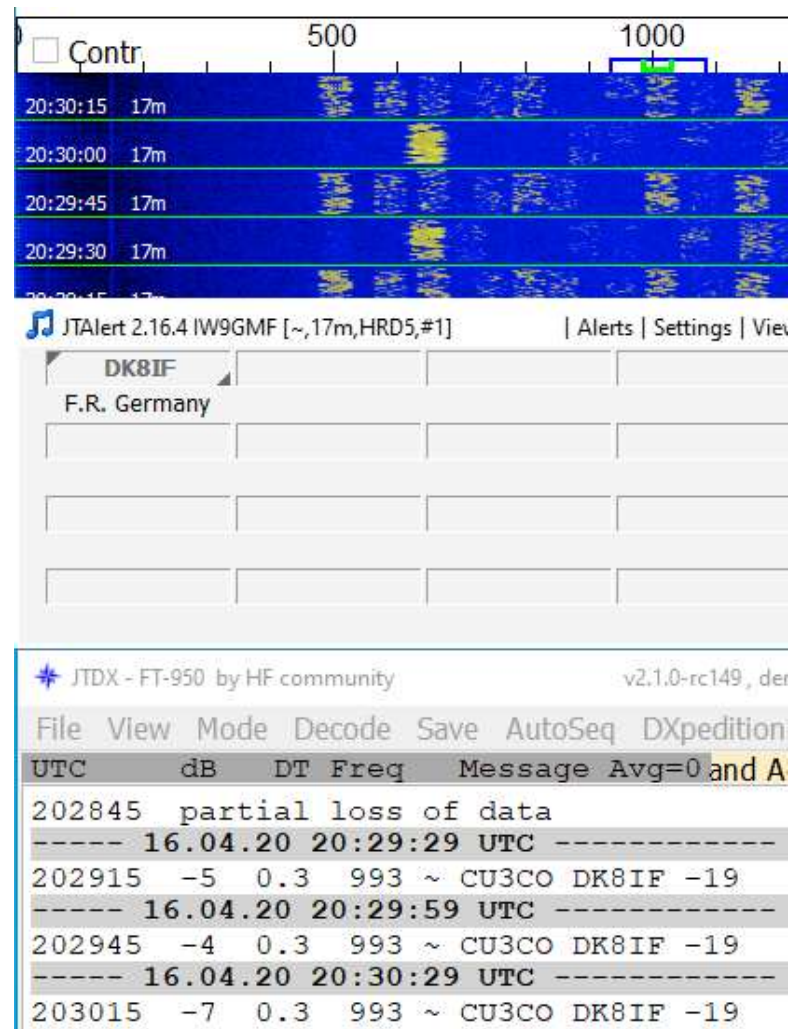
JTDX - FILTER



FILTER HOUND MODE



FILTER NORMAL MODE (+- 150HZ)



EFFETTI DEL [FILTER] ON



JTDX – WANTED CALL-PREFIX-GRID-COUNTRY

callsign:

prefix: **YB**

grid:

country:

JTDX CERCA IL PREFIX
MARKER DI RX SUL CALL

COMPILA IL CAMPO
[DX CALL]

GENERA LE MACRO

18,100 000 13:46:08

n Spt Menu Tx FT8 ~ Report -5

DX Call DX Grid Tx 200 f Tx=Rx

YB7SKM OI67 Rx 1671 Rx=Tx

Az: 87 10874 km

Lookup Add ☒ Wanted Tx/Rx Split

callsign:

prefix: YB

grid:

country:

UTC	dB	DT	Freq	Message	Rx Freq
134415	-6	0.4	1671	~ CQ YB7SKM OI6	
134445	-11	0.3	1671	~ IK0YUJ YB7SKM	
134500	-16	0.3	1669	~ YB7SKM IK0YUJ	
134515	-4	0.3	1671	~ IK0YUJ YB7SKM	
134545	-5	0.3	1671	~ CQ YB7SKM OI6	

Enable Tx Halt Tx GenMsgs CQ DX RRR Sk

Log QSO Erase

Hint WL mod

AGCc Filter

Decode Clear DX

YB7SKM IW9GMF JM77 •

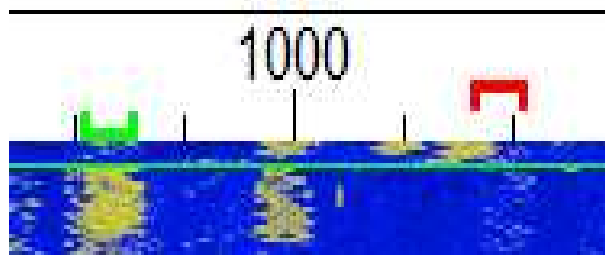
YB7SKM IW9GMF -05

YB7SKM IW9GMF R-05

YB7SKM IW9GMF RR73

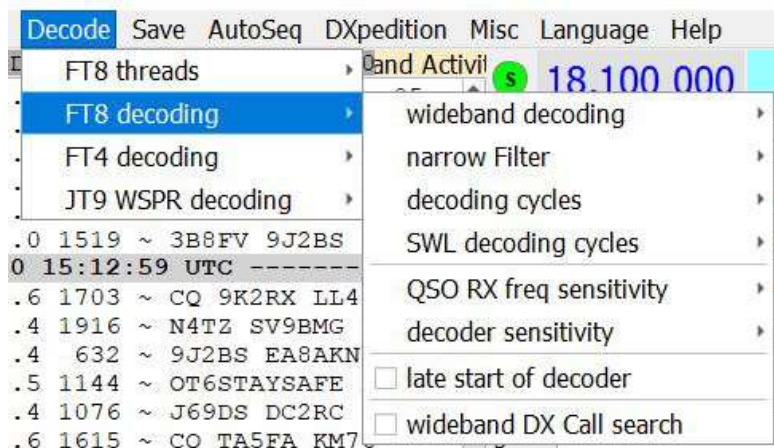
YB7SKM IW9GMF 73

CQ DX IW9GMF JM77



CLICK SX RX

CLICK DX TX



**NUMEROSI SETTINGS
PER LA DECODIFICA**

JTDX

Band scheduler configuration

hh	mm	Band	JT65+JT9
19	00	*7,074000 FT8	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

☐ Use band scheduler

CAMBIO BANDA

Message sequencing short scenarios

Counters. Search through decoded messages, call CQ or Halt Tx if:

- ☐ answered to someone's CQ with no response 2 times
- ☐ called CQ, received a call and answered 2 times
- ☐ sent report answering to incoming report 3 times
- ☐ sent RR73(73) answering to incoming RRR(RR73) 2 times

☐ Halt TX if operator I called answered to other operator

☐ Strict directional CQ operation

DOPO X TENTATIVI JTDX SI FERMA



MSHV

MSHV 14 MHz version 2.37 64-bit - MA Standard -

File Options Palette Mode Decode Band Help CPU 1-4: 42%

300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100

13:36:00
13:35:45
13:35:30
13:35:15

DF: +312 Hz RX: 1200 Hz

Speed Start 200 Hz BW 2000 Hz FD SAVE THIS SAVE PREVIOUS

FT8 Auto Dec RT Dec DECODE RECEIVE Txing:

Time	dB	DT	Message 21 / 1.1s	Freq
133545	-10	0.2	120V25 013NA RR73	1101
133545	-9	0.5	HA1ZW M1BZN -12	2082
133545	-24	0.4	IK3ERN TA2ANK RR73	693
133545	-22	0.3	CQ VE3BTT EN82	1280
133545	-15	0.2	IU1DXU R3ZL KO81	1806
133545	-17	0.3	CQ G7ITB IO94	1368
133545	-22	0.3	UT6UA VE2WPL FN46	1883

MONITOR STOP MONITOR CLR MSG CLR RX FREQ MSG RESET QSO STOP TX TUNE

IW9GMF JM77 USB 14.074.000 (F)

ADD TO LOG TO RADIO: SP9HWY RX RPT: +00

LOCATOR: JO90NH DB:JO90NH LOOKUP ADD

Hot A: 21° Azimuth: 11° Elevation: 4° Dist: 1449 km

MONITOR R1: R2:

12 Apr 2020 13:36:09

S Limit - N/A - 1 dB ZAP

DF Tol def=1000 +/- 1000 Hz

LTR TX=RX TX RPT: +00

ASeq TX/RX 15 s QRG: 237

RXS TX FIRST TX SECOND

GEN MSG AUTO IS OFF

RX +20

Queue 0 Now 0 Settings

Call Freq

TX MAX

MIN



MSHV

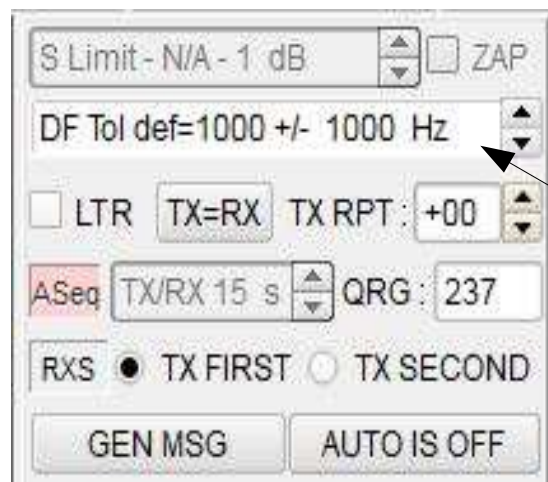


RX

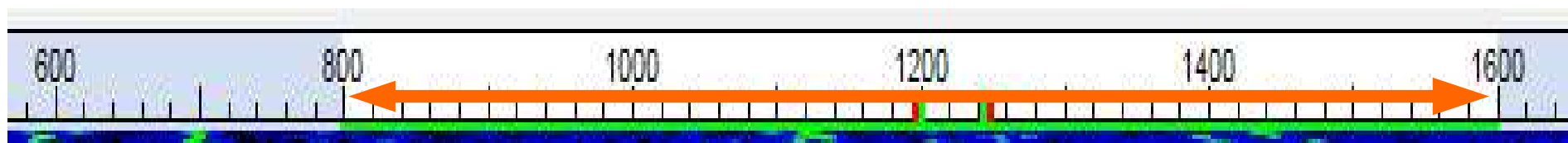


TX

SLIDERS

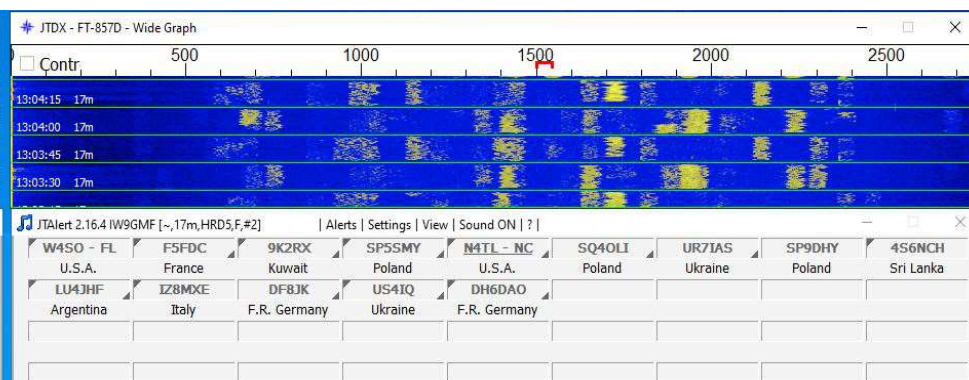
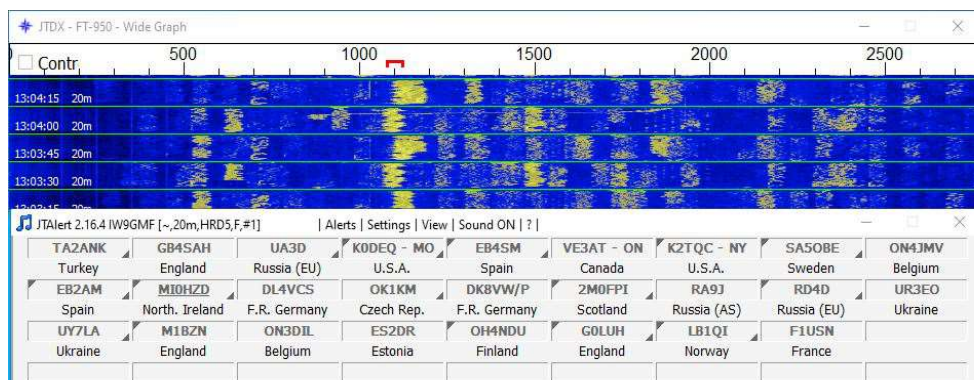


FILTRO IN RICEZIONE





FT8 X 2



JTDX - FT-950 by HF community v2.1.0-rc149, derivative work based on WSJT-X by K1JT

File View Mode Decode Save AutoSeq DXpedition Misc Language Help

UTC dB DT Freq Message Avg=0 and Activ 14,074 000 13:04:32 TX 00/30 Pwr

130400 -12 0.4 1140 ~ R7KY UK8IF RRR
130400 -4 0.3 2402 ~ CQ R4CF LO42
130400 -9 0.3 478 ~ MM3LSO EA7KJF IM66

12.04.20 13:04:29 UTC

130415 1 0.0 693 ~ CQ TA2ANK KM69
130415 0 1.0 1305 ~ OE2BRO GB4SAH RR73
130415 -1 0.2 2553 ~ WE3J UA3D R-14
130415 -7 0.3 528 ~ IK0RHS K0DEQ +02
130415 -1 0.3 1140 ~ UK8IF EB4SM IN80
130415 -7 -0.9 2401 ~ OH2GIP VE3AT -10
130415 -8 0.5 450 ~ PD7HM K6JDC 73
130415 -4 0.3 2676 ~ R2ANG K2TQC -24
130415 -7 0.2 608 ~ OM2AOA SA5OBE -08
130415 -9 0.5 1419 ~ CQ ON4JMV JO10
130415 -2 0.2 1102 ~ EU1CZ EB2AM RR73
130415 -10 0.3 750 ~ <...> UX8ZA -19
130415 -9 0.5 2348 ~ CQ MIDHZD IO74
130415 -12 -0.5 2457 ~ EA1JBE DL4VCS R-19
130415 -13 0.2 1747 ~ VE3JL OK1KM JO60
130415 -15 0.2 802 ~ I22DQO DK8VW/P RR73
130415 -13 -0.6 2232 ~ <...> 2M0FPI IO87
130415 -12 -0.0 987 ~ CQ RA9J MP80
130415 -13 0.4 247 ~ SM0BSO RD4D LO32
130415 -9 0.5 2138 ~ VU2SGW UR3EO R-23
130415 -10 0.2 1875 ~ I23DCN UY7LA 73
130415 -10 0.3 2083 ~ DL7VDX M1BZN -16
130415 -15 0.7 528 ~ IK0RHS ON3DIL JO20
130415 -11 1.5 1720 ~ E24OYI ES2DR +04
130415 -13 0.3 2616 ~ CQ OH4NDU KP11
130415 -15 0.3 1378 ~ VE3JL G0LUH 73
130415 -16 0.2 1920 ~ CQ LB1QI JO59
130415 -7 0.2 2169 ~ CQ F1USN JN05

callsign: 4U1UN
prefix:
grid:
country:

UTC dB DT Freq Message Rx Frequency

RADIO 1

Enable Tx Halt Tx GenMsgs CQ DX RRR SkipTx1
Log QSO Erase Tx 1
Hint W/L mod Tx 2
AGCc Filter Tx 3
Decode Clear DX Tx 4
CQ DX IW9GMF JM77 Tx 5
Tx 6

Receiving FT8 Last Tx: 4U1UN IW9GMF JM77 WD 10m 2/15 Logd 12.04.2020 FT8 8

JTDX - FT-857D by HF community v2.1.0-rc149, derivative work based on WSJT-X by K1JT

File View Mode Decode Save AutoSeq DXpedition Misc Language Help

UTC dB DT Freq Message Avg=0 and Activ 18,100 000 13:04:32 TX 00/30 Pwr

130345 -14 0.4 1151 ~ K2TER DL6MGR JO52
130345 -18 -0.0 1317 ~ IISMPI DH6DAO R-11

12.04.20 13:04:14 UTC

130400 -3 0.3 728 ~ K9KFT CU2GI -18
130400 -3 0.2 1400 ~ YB7HE RV6F LN14
130400 4 0.2 2217 ~ MM0INH 4J3DJ -12
130400 -6 0.4 658 ~ ZS6PVT UA4HAD LO53
130400 -1 0.3 1943 ~ LW5DR UA4CDM LO31
130400 -11 0.2 1639 ~ DL1YEG EK1KE -14
130400 -12 0.1 1026 ~ N4TL SP7FZS JO91
130400 -6 0.2 2666 ~ E7STAYHOME PP1WW
130400 -13 0.2 1330 ~ CQ AP2MQ MM71
130400 -13 0.1 2025 ~ ZS6WBT UN7IN LO80
130400 -15 0.3 968 ~ SP9DHY F8PMO RR73
130400 -13 0.3 1572 ~ YB7HE DL1JEL JO60
130400 -18 0.4 1737 ~ SV9RNG LU4DPO GF02

12.04.20 13:04:29 UTC

130415 -6 -0.4 616 ~ M7CRD W4SO EL98
130415 1 0.5 2122 ~ OM5XX F5FDC JN04
130415 4 0.4 1703 ~ HA8QJ 9K2RX RR73
130415 -11 0.3 673 ~ TA1FR SP5SMY KO12
130415 -6 0.3 2284 ~ SP7FZS N4TL -10
130415 -11 0.3 1800 ~ CQ SQ4OLI JO93
130415 -13 1.0 2718 ~ K8FH UR7IAS 73
130415 -4 0.4 968 ~ F8PMO SP9DHY 73
130415 -5 0.3 1007 ~ CQ 4S6NCH MJ96
130415 -16 0.2 2005 ~ CQ LU4JHF GF07
130415 -7 1.1 1130 ~ VR2UNG I28MXE JM78
130415 -12 0.3 1378 ~ M0BPM ZB2IF RR73
130415 -7 0.2 1422 ~ AA4LS DF8JK R-09
130415 -8 2.5 1631 ~ AO5DXX US4IQ 73
130415 -18 -0.0 1317 ~ IISMPI DH6DAO 73

callsign:
prefix:
grid:
country:

UTC dB DT Freq Message Rx Frequency

RADIO 2

Enable Tx Halt Tx GenMsgs CQ DX RRR SkipTx1
Log QSO Erase Tx 1
Hint W/L mod Tx 2
AGCc Filter Tx 3
Decode Clear DX Tx 4
CQ DX IW9GMF JM77 Tx 5
Tx 6

Receiving FT8 WD 6m 2/15 Logd 12.04.2020 FT8 1



FT8 X 2

- 1) RINOMINARE L'ICONA
- 2) MODIFICARE LA SINTASSI DI ESECUZIONE
- 3) DUPLICARE L'ICONA
- 4) RIPETERE GLI STEP 1 E 2
- 5) NELLA SECONDA ISTANZA DI WSJT-X
IMPOSTARE UN'ALTRA PORTA UDP

Primary UDP Server

UDP Server: 127.0.0.1 ✓
UDP Server port number: 2237 ✓
✓

RADIO 1

Primary UDP Server

UDP Server: 127.0.0.1 ✓
UDP Server port number: 2238 ✓
✓

RADIO 2



FT8 X 2



JTDX-YAESU FT 857D



JTDX-YAESU FT 950

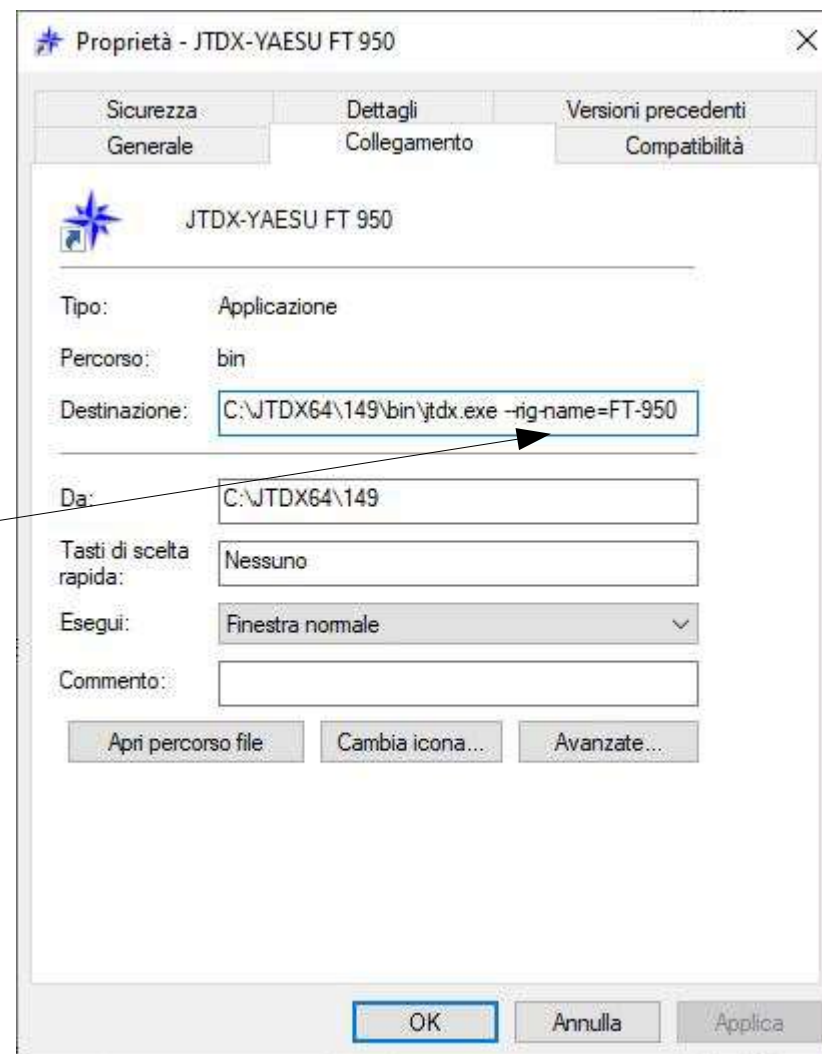
`--rig-name=numeradio`



JTDX - FT-857D



JTDX - FT-950



C:\Users\IW9GMF\AppData\Local



FT8 X N...



RADIO 1

RADIO 2

RADIO 1 + SDRPLAY DX

RADIO 1 – KJ4DJS

RADIO 2 + SDR REMOTO

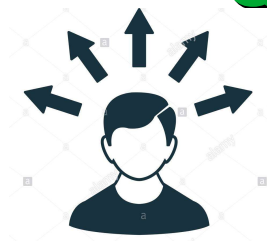


@#*AZZ!?



NO RR73 - NON DECODIFICO

IL DX VA E VIENE - NON MI RISPONDE



QUALITA' SCHEDA AUDIO - AGC OFF

DECODE DEEP - FILTER ON

VIVA LOTW EQSL HRDLOG.NET CLUBLOG

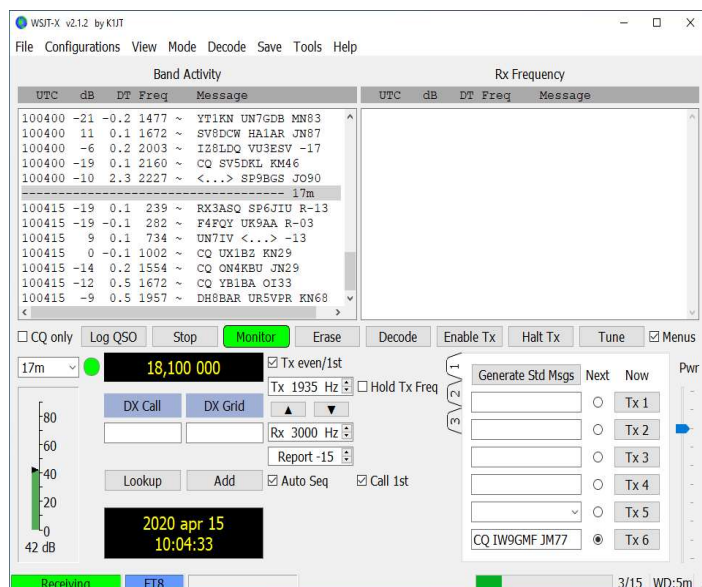
TEXT MESSAGE - METTI CMQ A LOG

TX HOP

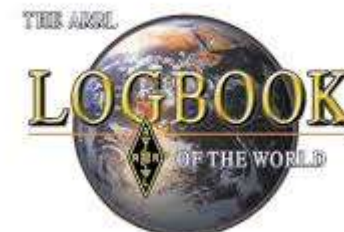


@#*AZZ!? E SE...

METTI A LOG O SCRIVI UN PIZZINO



I UPLOAD MY LOGS TO



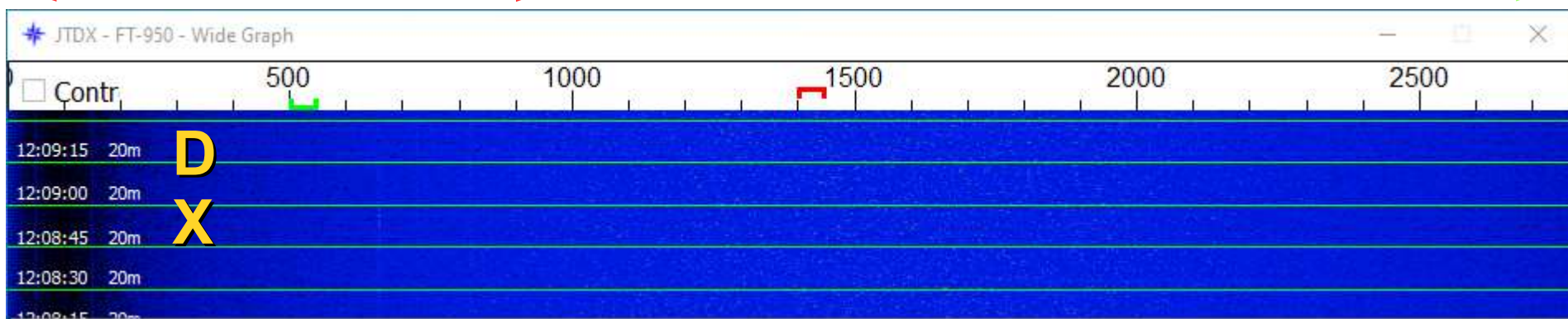
**POTRESTE TROVARE SU CLUBLOG –
HRDLOG.NET – QRZ.COM - EQSL.CC –
LOTW UN QSO NON COMPLETATO**



COME RISOLVERE IN F/H

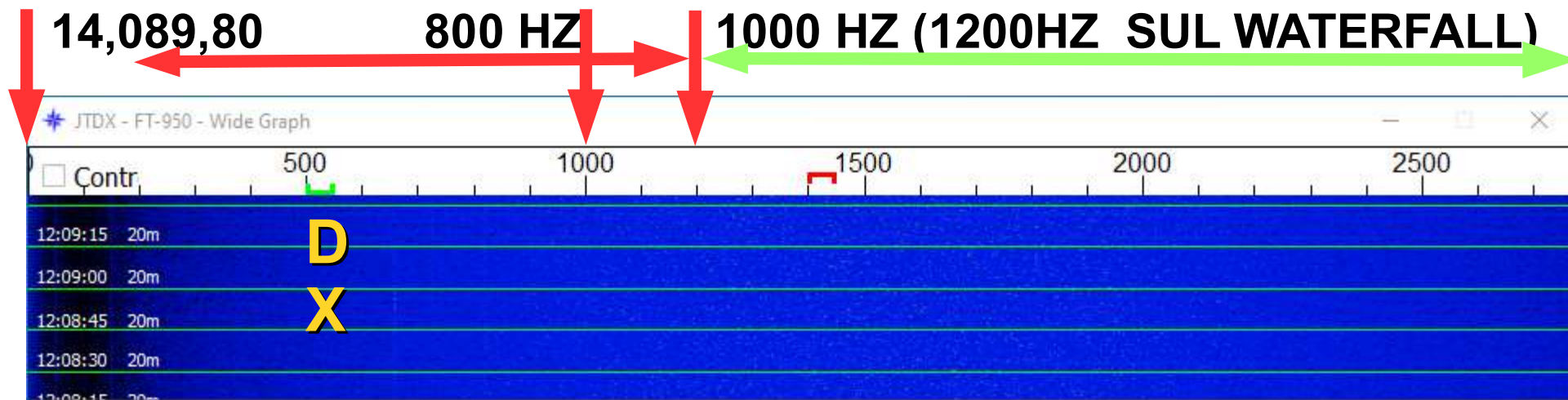
LA DXPED TX DA 0 A 1000 HZ

RX DA 1000 A 3000 HZ



14.090.000

14.089.800





PSK REPORTER

<https://pskreporter.info/pskmap.html>

Click icon to change color (Reset)

17m	10m	6m
15m	20m	40m
30m	2m	80m
12m	60m	160m
70cm	23cm	4000m
2200m	600m	11m
4m	1.25m	uhf
vlf		
10m, 12m, 15m, 17m, 20m, 30m, 40m, 6m		
17m, 30m, 40m, 80m		
17m, 2m		
Unknown		
Spotted		
Worked		
Recent		
LoTW user		
eQSL user		



NELLE ULTIME 6 ORE NO ACTIVITY FROM VK – 20M FT8



PSK REPORTER

On , show sent by using over the last [Display options](#)

Monitoring IW9GMF (last heard 26 hrs ago). Automatic refresh in 4 minutes. Large markers are monitors.

There are **431 active FT8 monitors** on 17m. [Show all FT8 on all bands.](#) [Show all on all bands.](#) [Legend](#)

On , show sent/rcvd by using over the last [Display options](#)

Automatic refresh in 5 minutes. Large markers are monitors.

There are **5385 active FT8 monitors**: **1322 on 20m**, **1051 on 40m**, **541 on 6m**, **500 on 30m**, **431 on 15m**, **406 on 17m**, **384 on 10m**, **219 on 2m**, **212 on 80m**, **138 on 12m**, 70 on unknown, **70 on 60m**, **33 on 160m**, **7 on 70cm**, **1 on 23cm**.

[Legend](#)

**COME GIRA LA PROPAGAZIONE?
DOVE ARRIVO?
IL DX MI DECODIFICA?**

Rx at Thu, 16 Apr 2020 10:53:29 GMT
From **IW9GMF** by **S79KW** Loc LI75RJ
Frequency: 18.101.490 MHz (17m), FT8, -16dB
Distance: 6272 km bearing 129°
Using: WSJT-X v2.1.2 0068f9





HAMSPOTS

<https://hamspots.net/>

IW9GMF : Calls You Spotted								IW9GMF : Your Call Spotted									
S	Age	DX	St	Country	Bnd	Mode	Sig	DT	S	Age	Spotter	St	Country	Bnd	Mode	Sig	DT
T	2m	S79KW		Seychelles	17	FT8	-09	0.2	X	7m	YO7BPC		Romania	17	FT8	-01	0.3
T	2m	OH8STAYHOME		Finland	17	FT8	-11	0.0	X	7m	SV1FJP		Greece	17	FT8	-24	1.9
T	2m	EA2DIC		Spain	17	FT8	-15	0.3	T	8m	SV2HXX		Greece	17	FT8	-14	0.1
T	2m	R4PU		European Russia	17	FT8	-15	0.3	X	9m	SV1RUX		Greece	17	FT8	-16	-0.1
T	3m	EA8LG		Canary Islands	17	FT8	-08	0.2	X	9m	ZS6ANT		South Africa	17	FT8	-14	0.0
T	3m	UA4NR		European Russia	17	FT8	-11	1.5	P	10m	OH2BUA		Finland	17	FT8	+02	
T	3m	EA5FVQ		Spain	17	FT8	-06	-0.9	T	10m	CT7AOL		Portugal	17	FT8	-16	0.1
T	3m	JH1AJT		Japan	17	FT8	-16	0.3	X	10m	OH6MR		Finland	17	FT8	-10	0.2
T	4m	UR7IAS		Ukraine	17	FT8	-18	0.6	T	10m	CT1GYD		Portugal	17	FT8	-19	1.1
T	4m	RZ5D		European Russia	17	FT8	-01	0.4	X	10m	OH5KW		Finland	17	FT8	-18	0.3
T	4m	JD1BHA		Ogasawara	17	FT8	-19	0.6	X	10m	ZR6AMC		South Africa	17	FT8	-16	0.3
T	4m	RD4A		European Russia	17	FT8	-05	0.1	T	10m	BD7OXR		China	17	FT8	-15	0.0
T	4m	RW4C		European Russia	17	FT8	-11	-0.1	X	10m	F5GHP		France	17	FT8	-13	0.0
T	5m	UB4CHU		European Russia	17	FT8	-14	-0.4	X	10m	HB9HFN		Switzerland	17	FT8	-17	0.3
T	5m	4X1ZQ		Israel	17	FT8	+01	0.2	X	10m	4L3NZ		Georgia	17	FT8	-10	0.1

Band Activity

— □ ×

Callsigns TX/RX per Band

Solar : SFI 68 : A 7 : K 1

	tx	rx	tx	rx	tx	rx		tx	rx	tx	rx	tx	rx
2200m							17m			4	1	224	125
630m							15m			1	1	63	37
160m					13	19	12m					3	3
80m			2	2	96	85	10m					5	5
60m					6	15	6m					17	25
40m			13	23	373	224	4m						
30m			8	12	203	96	2m					32	14
20m			133	151	398	179	ALL			154	179	+1K	765
JT65	Last Update : Apr-16, 10:40:55 utc										FT4	FT8	

HamSpots.net - Send Decode Spots

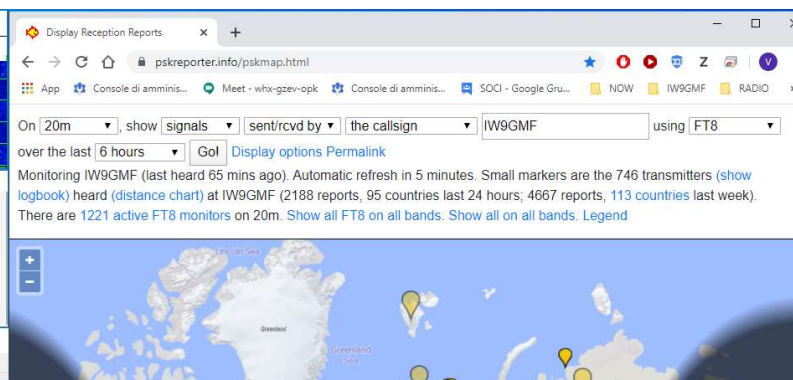
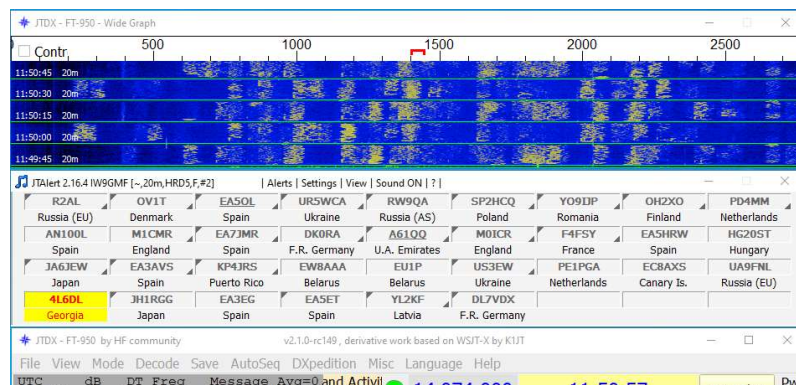
- ☒ JTAlert can send new decodes as spots to HamSpots.net for viewing on the WSJT and Band pages. This is 2 to 3 minutes faster and more reliable than using PSKReporter.

| Alerts | Settings | View | Sound ON | ? |

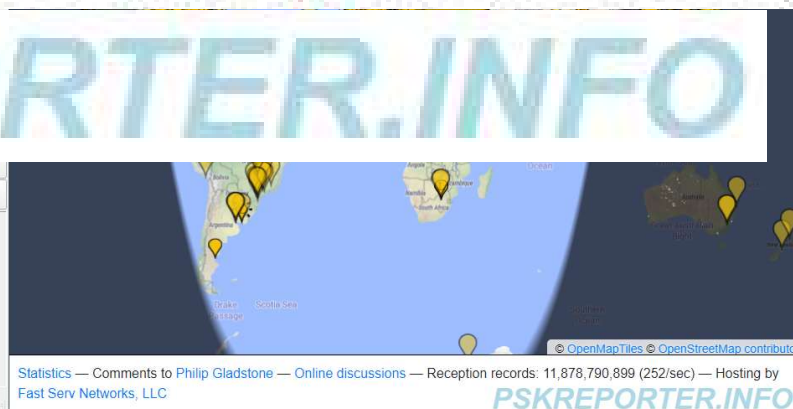
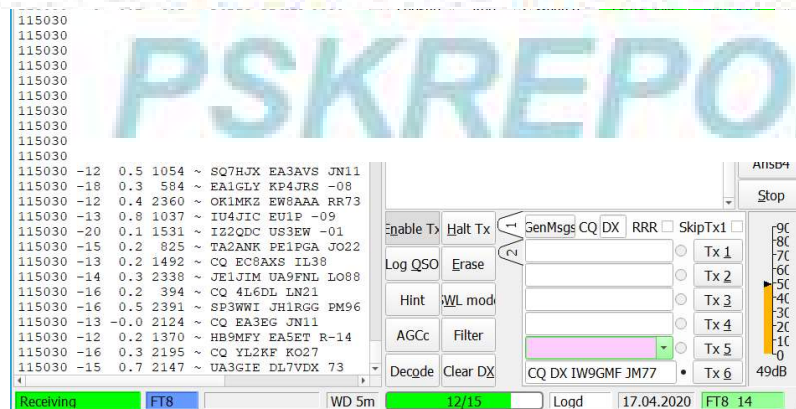
160 60 75 12 10 6



FT8 AROUND THE WORLD



Reception records: 11,885,919,047 (365/sec)



☒ Enable PSK Reporter Spotting

HamSpots.net - Send Decode Spots

☒ JTAlert can send new decodes as spots to HamSpots.net for viewing on the WSJT and Band pages. This is 2 to 3 minutes faster and more reliable than using PSKReporter.

WSJT-X & PSKREPORTER

JTAlert & HAMSPOTS

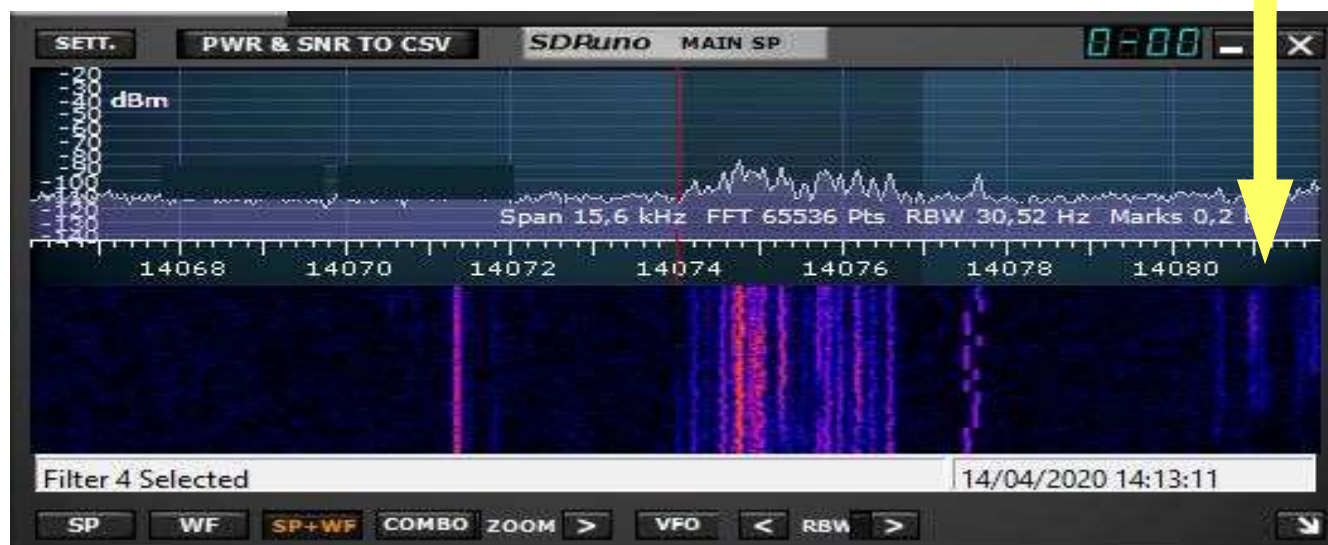
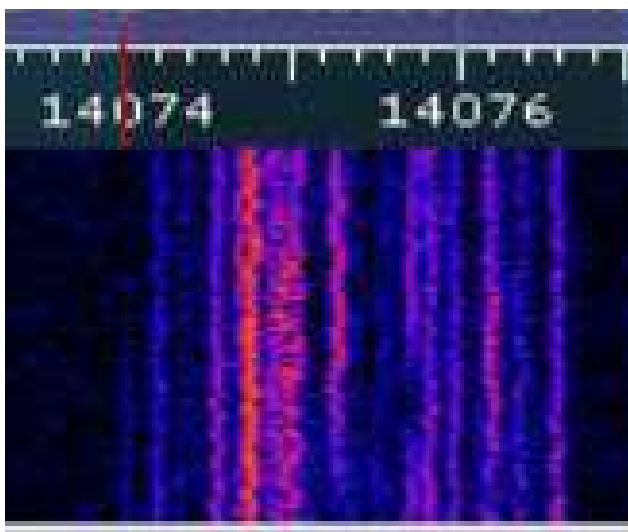


SDR

RX VIA SDR



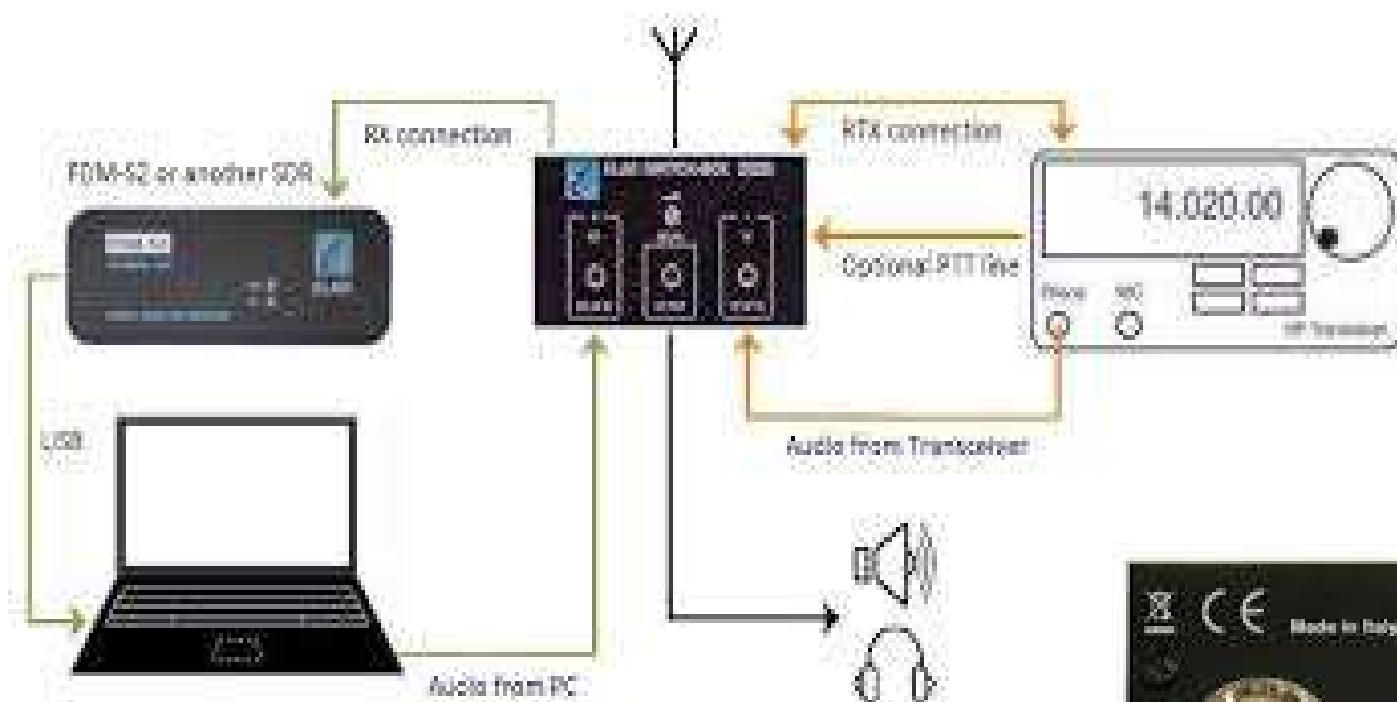
RICEZIONE PULITA - MONITOR ESTESO – SI COLLEGA VIA CAT E “SEGUE” LA RADIO





SDR

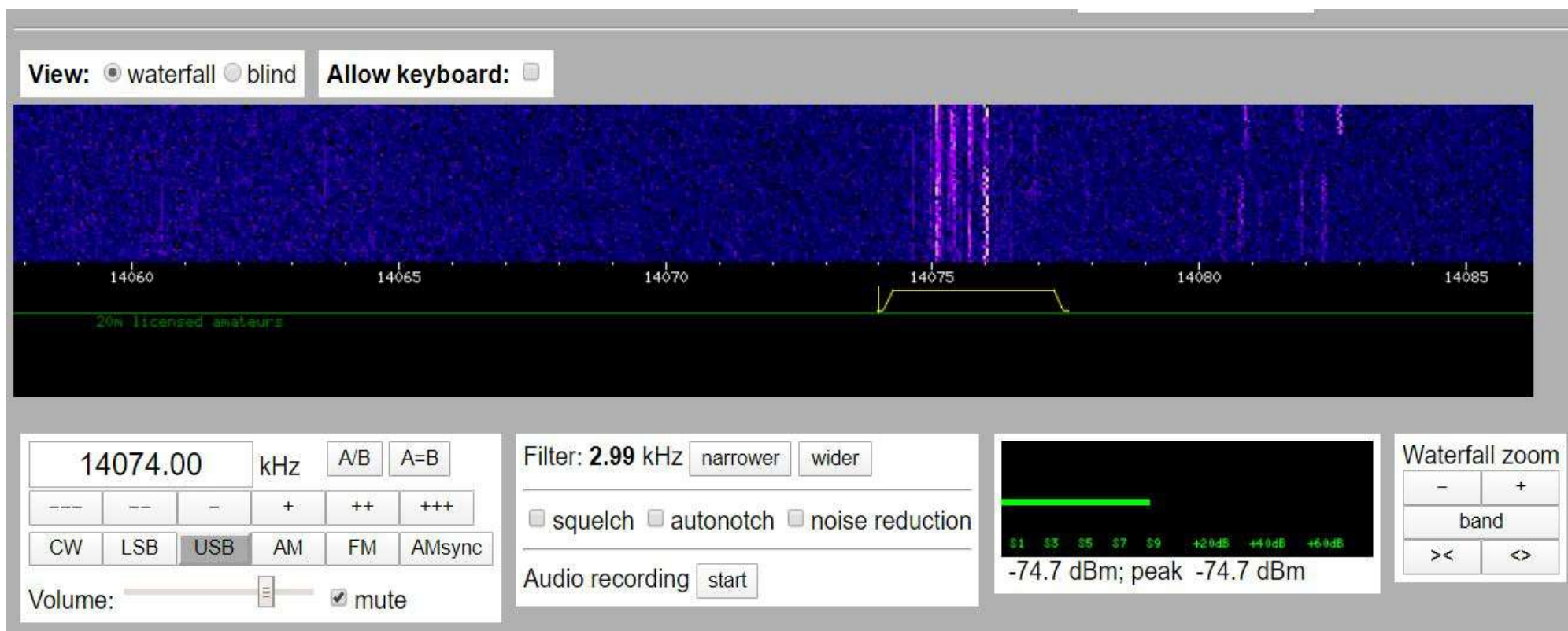
ANTENNA SWITCH





SDR REMOTO

<http://websdr.ewi.utwente.nl:8901/>

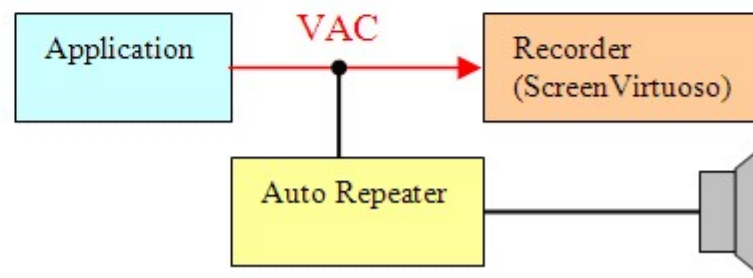


SI USA ANCHE PER MONITORARE IL PROPRIO AUDIO



SDR

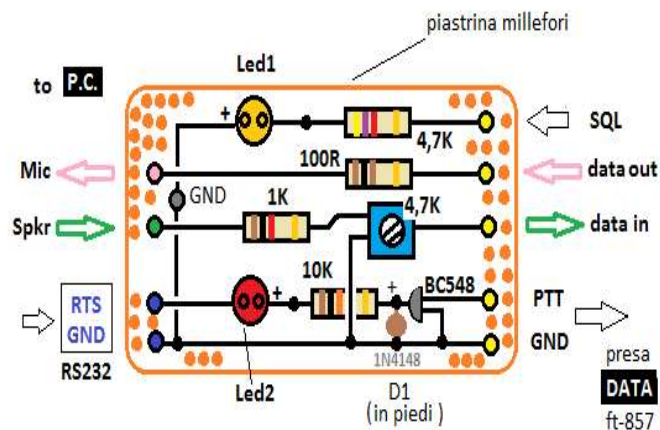
VIRTUAL AUDIO CABLE



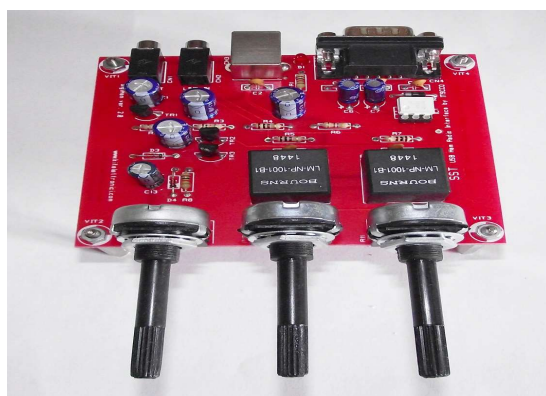
NECESSARIO PER PRELEVARE L'AUDIO DA SDR LOCALE / REMOTO



FT8 E AUDIO



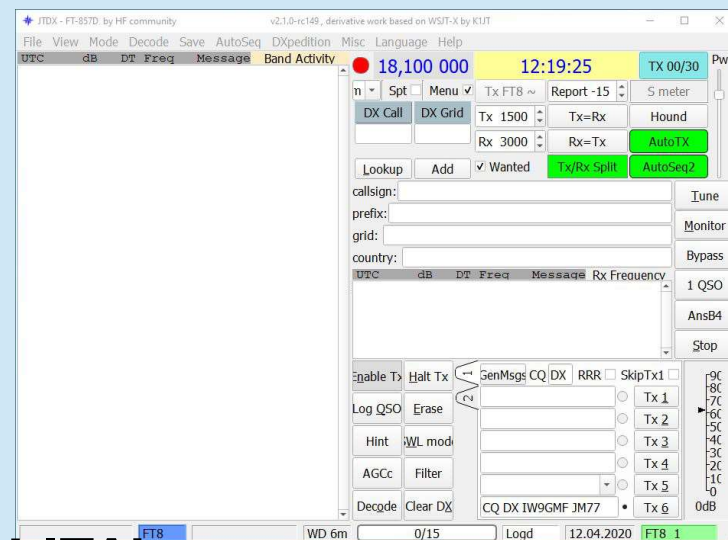
USB



DA PREFERIRE QUELLE CON I GAIN CONTROL



FT8 E AUDIO



SCHEDA AUDIO DEDICATA E DI BUONA QUALITA'



SECONDA SCHEDA AUDIO PER IL RESTO



FT8 E AUDIO

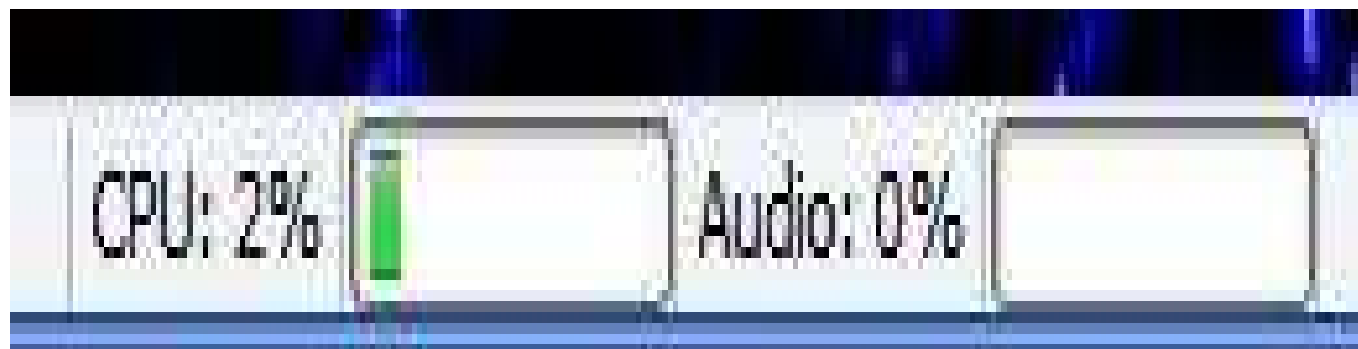
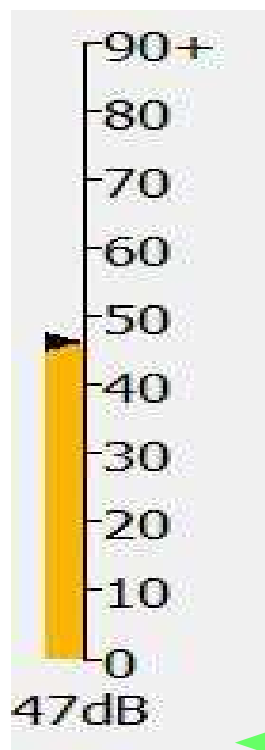


**SWITCH RS 232 OTTIMO ANCHE
PER COMMUTARE
PIU' MIC SU UNA RADIO
O UN MIC SU PIU' RADIO**





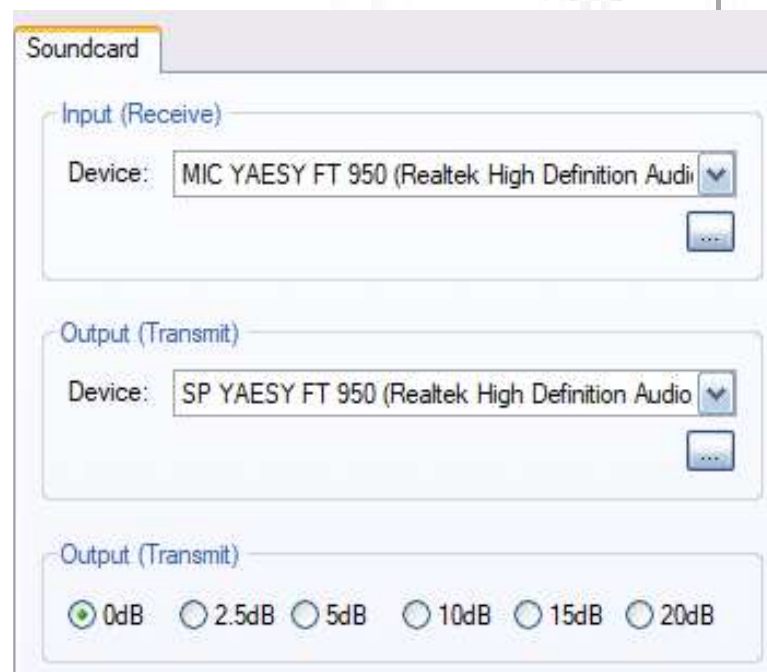
FT8 E AUDIO



RTTY

FT8

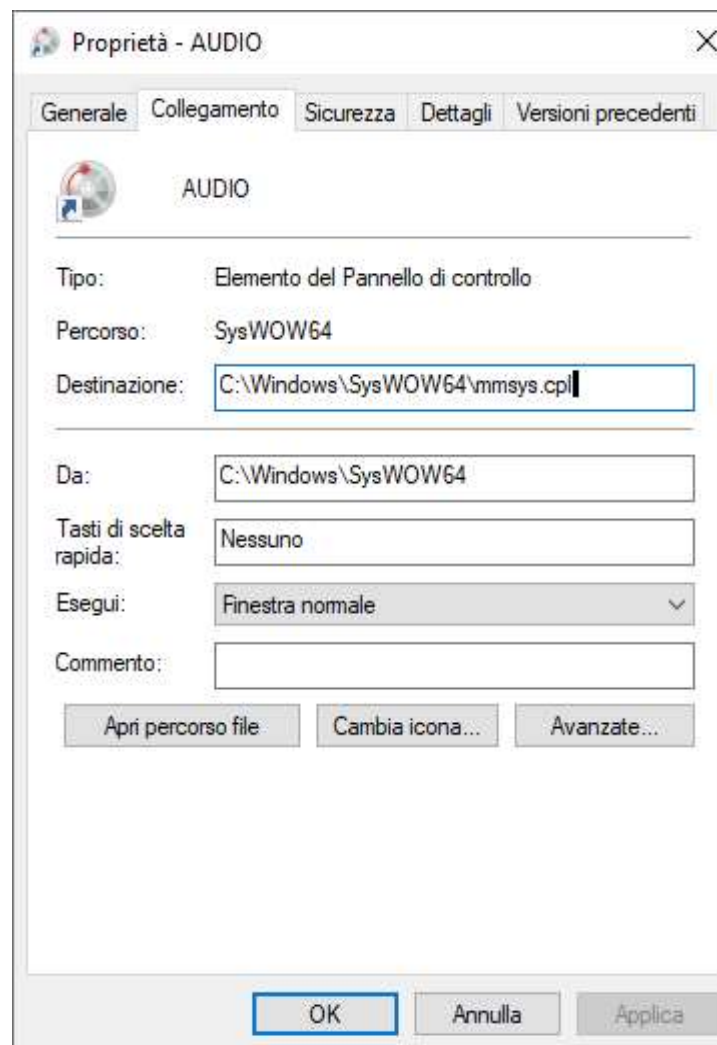
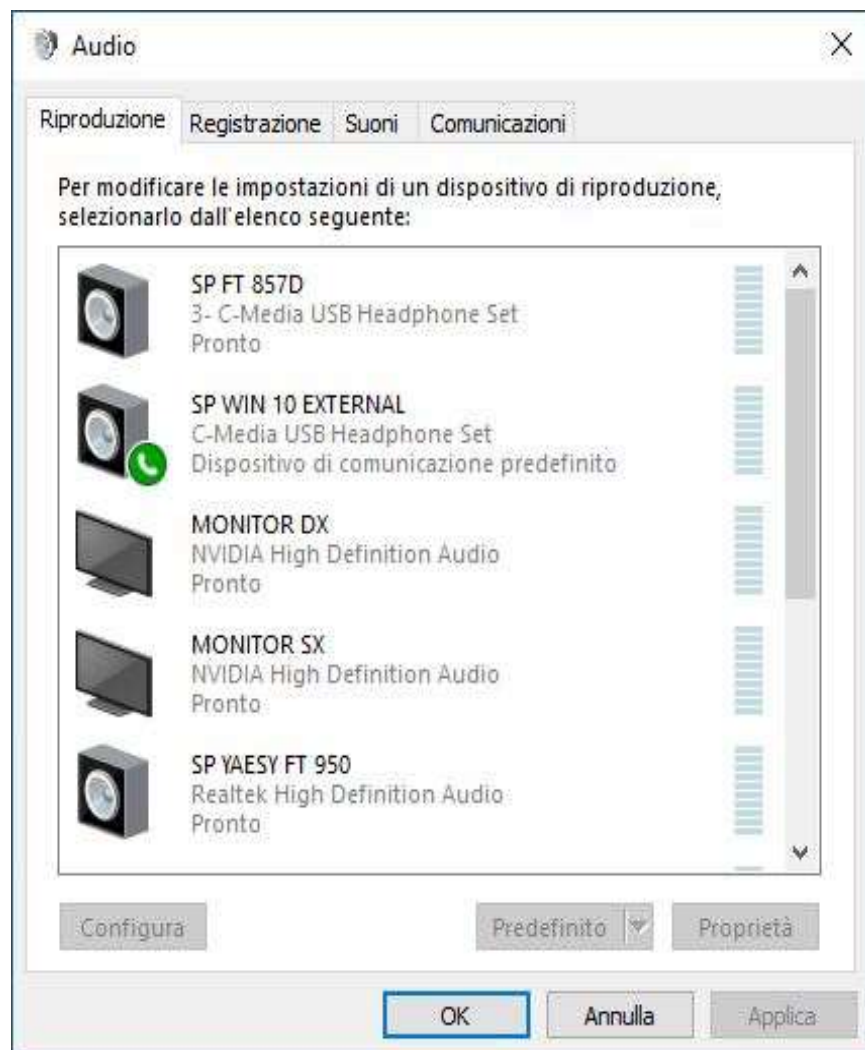
**UN SETTAGGIO AUDIO
CORRETTO IN FT8 PUO' NON
ANDARE BENE PER ALTRI
PROGRAMMI (ES: RTTY)**



DM 780 (HRD)



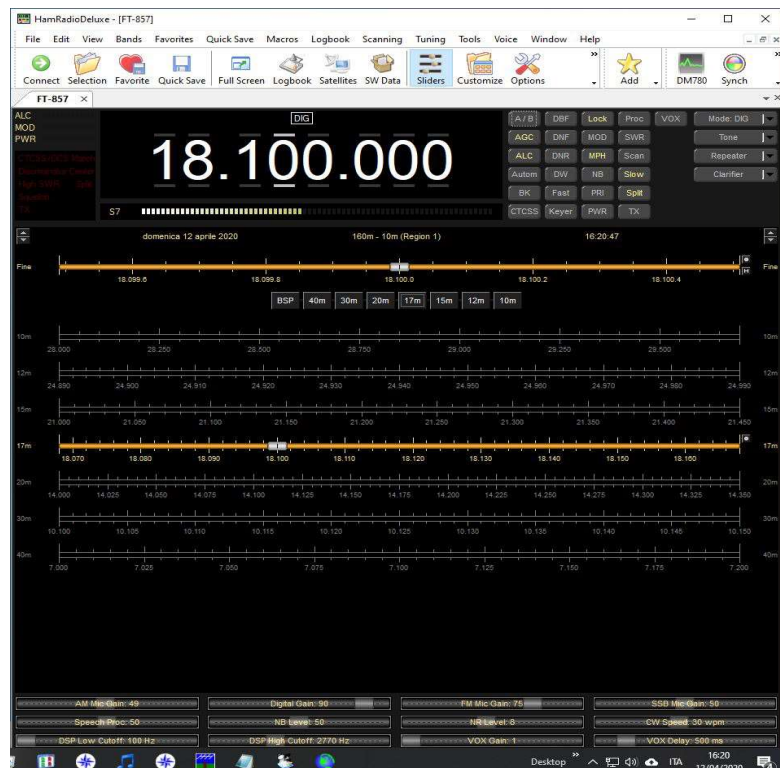
FT8 E AUDIO (MMSYS.CPL)



**SI CREA UN COLLEGAMENTO SUL DESKTOP
E SI ACCEDE VELOCEMENTE ALLE REGOLAZIONI AUDIO DEL SISTEMA**



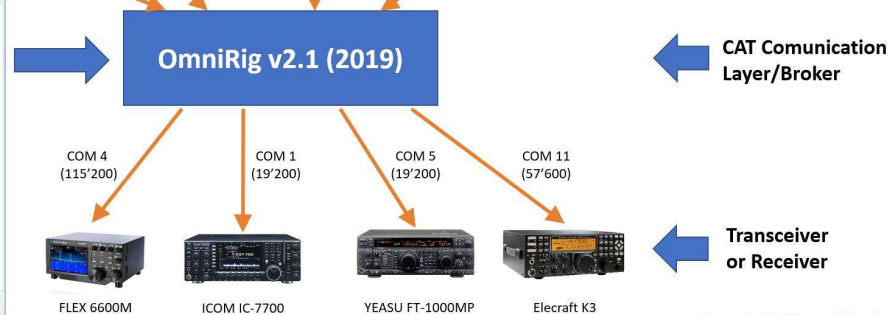
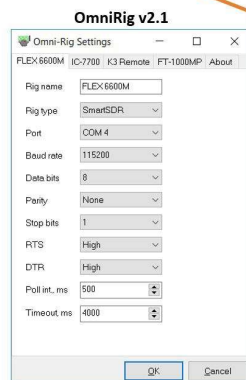
CAT NO PROBLEM



OmniRig v2.1 – Dec. 2019



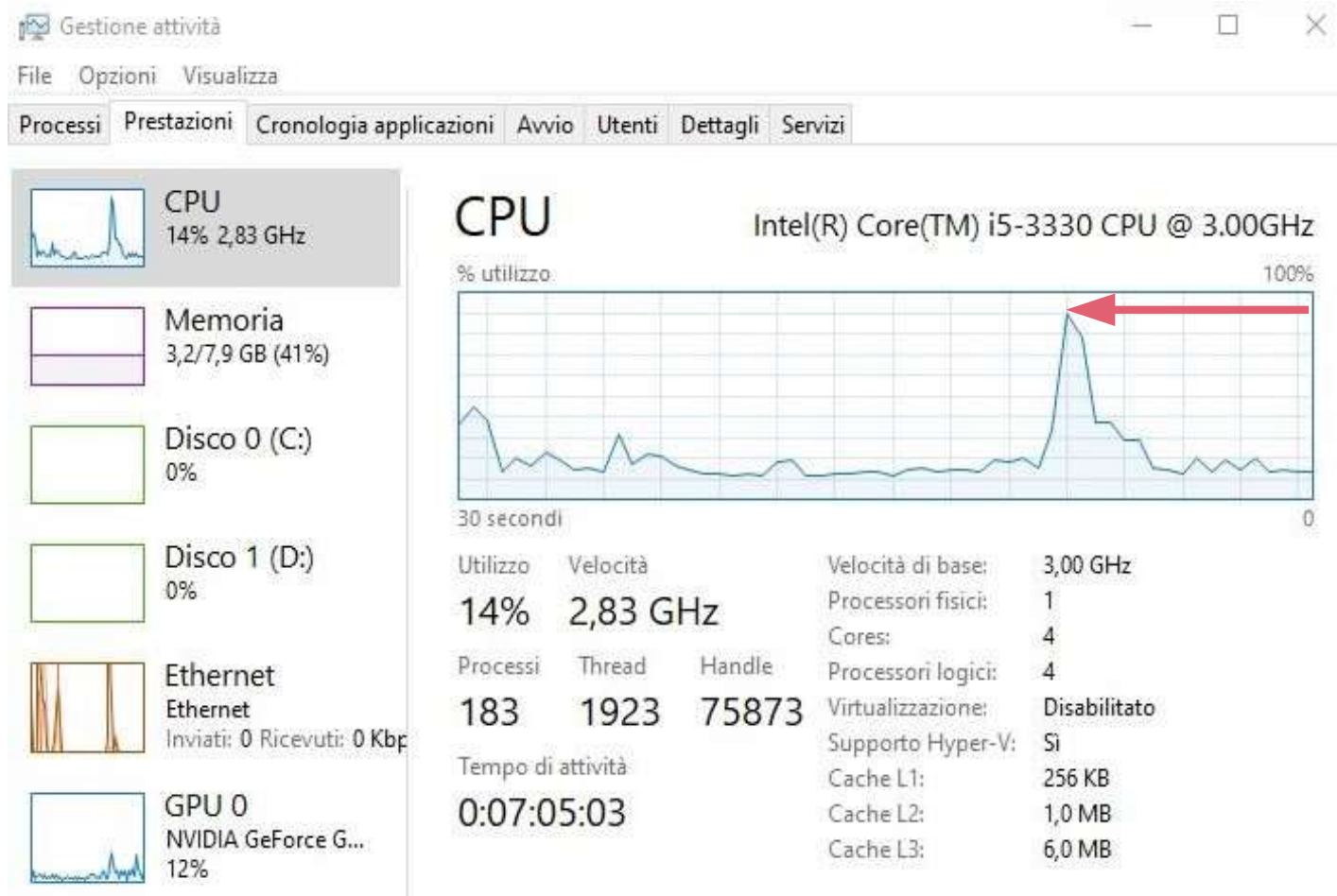
OmniRig supported Ham-Radio Applications using Banddata etc.



Transceiver or Receiver



PC E FT8

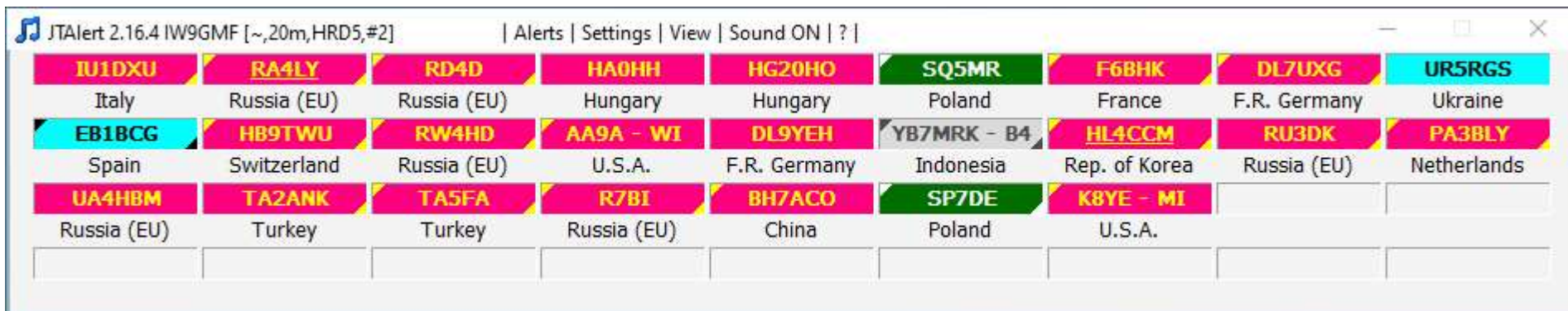


DECODIFICA FT8



JT DX

- English
- Eesti
- Русский
- Hrvatski
- Español
- Français
- Italiano**
- Polski
- Português
- 简体中文
- 繁體中文
- 日本語



[illegible]



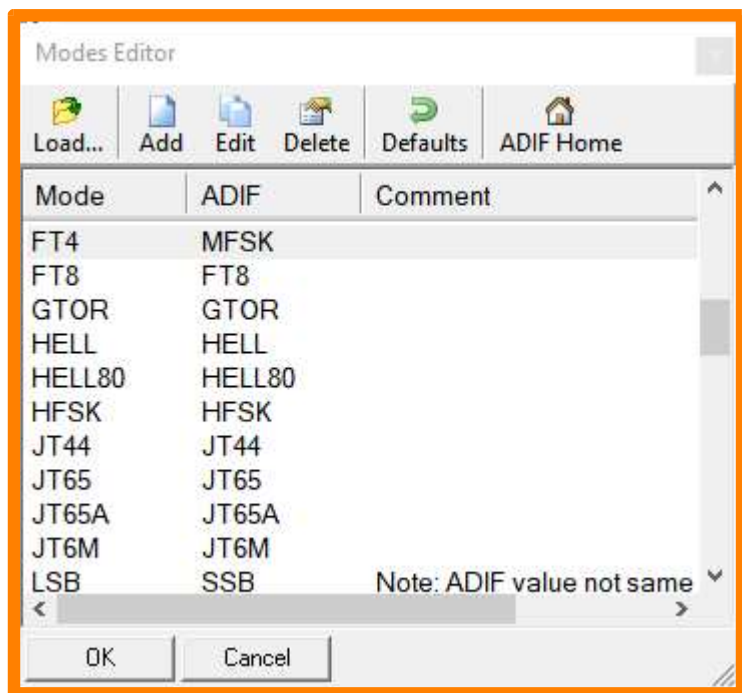
A LOT OF CONFUSION

- Matches No match for [XT2BR, 20M, MFSK]
- Matches No match for [XT2BR, 17M, MFSK]

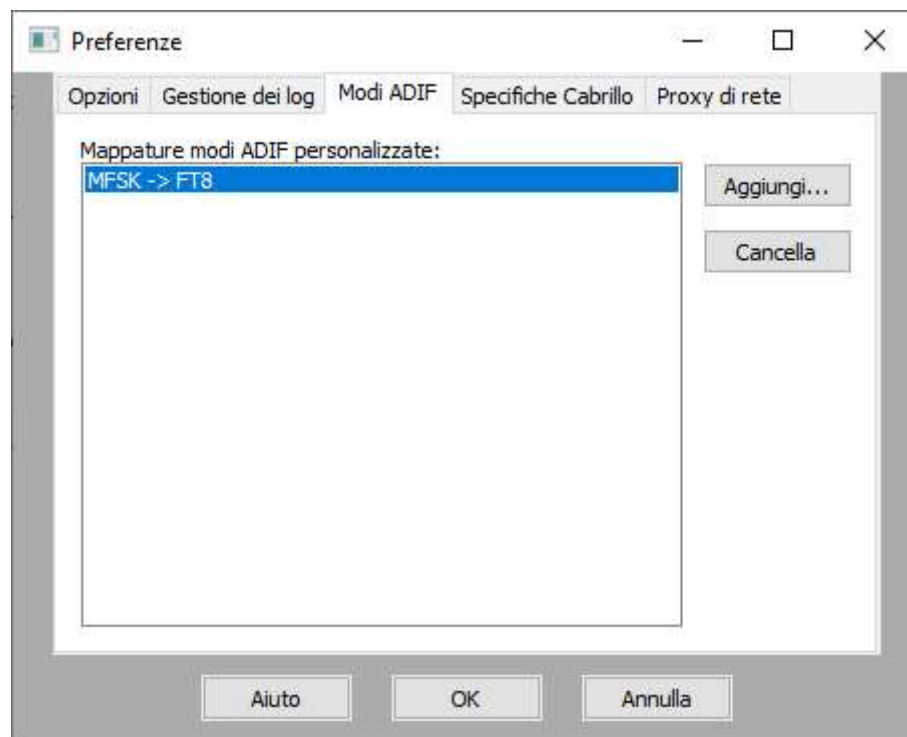
SU LOTW FT8/FT4 > MFSK

Details	IW9GMF	XT2BR	2018-12-10 10:53:00	15M	FT8	21.07558
Details	IW9GMF	XT2BR	2019-11-13 13:59:00	17M	FT4	18.10501
Details	IW9GMF	XT2BR	2019-11-16 11:35:00	20M	FT4	14.08149

FINALMENTE CORRISPONDONO



NUOVI MODI - HRD



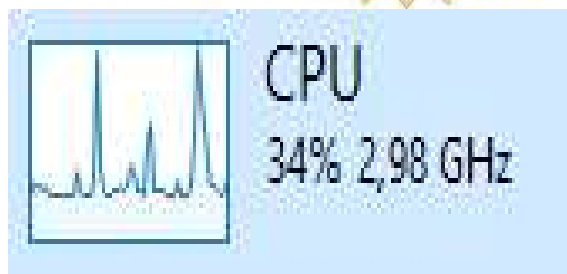
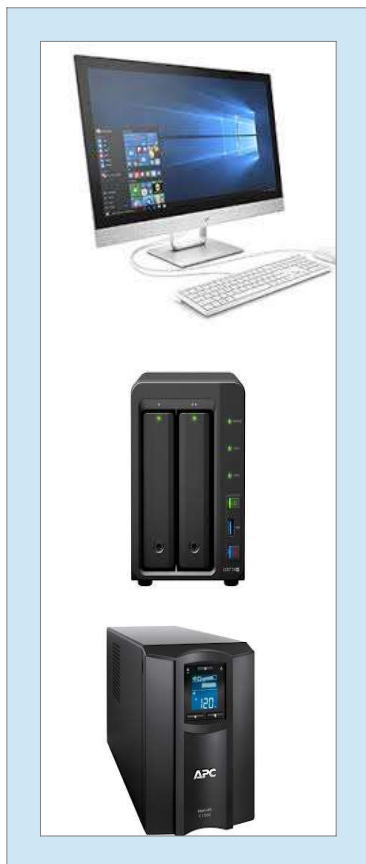
TQSL 2.5.3

☒ Log FT4 as ADIF 3.1.0 compliant Mode=MFSK, SUBMODE=FT4

MFSK>FT4 - JTALERT



IN CONCLUSIONE il nostro ECOSISTEMA



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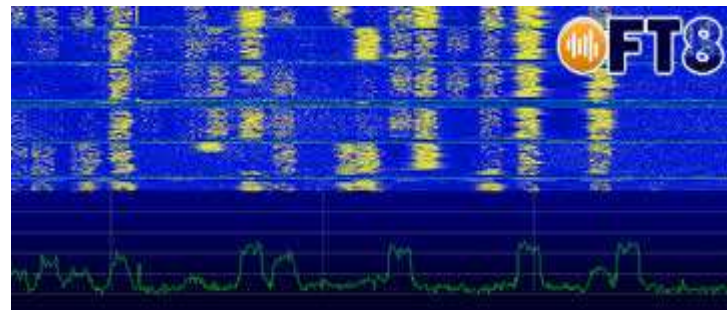




FT8 & Co.

Relatore IW9GMF

Vincenzo Landro



Serata a tema organizzata dalla
sezione A.R.I. Di Catania IQ9DE

Grazie al Presidente IW9CTJ
al consiglio direttivo e tutti i partecipanti.

Il file sarà disponibile in formato PDF a cura della segreteria
e sul nostro sito alla pagina

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