

# Ham Radio & Satellite

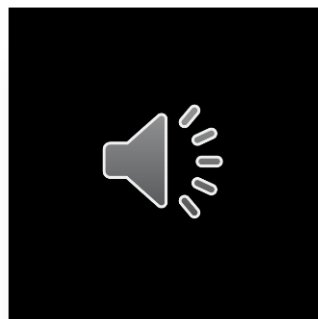
- There are many active SATELLITES in space which are equipped with Amateur Radios in different modes , a number of these Satellites use SSB Mode for communications while a few use FM .
- Hams across the world use the Satellite repeaters for beyond the Line of Sight contact

# Call Log

- \* Dated 25 March 2018 , 1449 PST , 1949 GMT
- \* Location : Village Kheengar Mumdal Kalan , Gujarkhan
- \* 80 KM Southwest of Rawalpindi
- \* Equipment : Alinco DJ-195
- \* Antenna – Super Sky Probe
- \* Elevation : 25 feet above from Ground level
- \* Receiving Station AP-2-02-617 – SWL , Pakistan
- \* Transmitting Station IK8XLD , IK7HAB Italy

# Audio Recording IK8XLD

\* 1.



# AUDIO recording IK7 HAB , Italy



# Call

- \* Medium : Satellite
- \* Frequency :145.960 Mhz (2 meter Band)
- \* Signals : Strong
- \* Receiving Station Country : Pakistan
- \* Transmitting Station Country : Italy
- \* Distance : 6656 Kilometers

# AUDIO RECORDING

## General Calls



# Where we stand ?

- \* PARS / Pakistan have no active satellite in SPACE
- \* We rely on Satellites of other countries to listen and communicate
- \* Hams across the world work for their countries, add significant value to radio communication capabilities of their nations , as unpaid volunteers, not only to justify their hobby but to provide a solid base for communications in multidimensional aspects.
- \* We have the required capabilities and learning, however we need to utilize these now .....

# Way Forward

- \* PARS & IST should JOIN HANDS
- \* PTA is our national institution and they need to be approached .
- \* Remember – HAMs are not just hobbyists , they are volunteers too , they take oath to provide their best of experience and their ready to use equipment in any national emergency.
- \* Presence of 1 or many well efficient Pakistani HAM RADIO satellites in space will not only provide a base for radio experiments but a repeater equipped satellite can provide hassle free means of communication in case of any national emergency



# Impact

- \* Maintained by PARS / IST
- \* Flood emergency – Mobile signals can disappear
- \* Earthquake Emergency – Mobile Signals can disappear
- \* Continuous electricity failure Mobile signals can disappear
- \* A satellite in space can become a medium for country wide Communication – When all else fails

# Thank you

- \* Quality is never an accident , it is always a result of sincere effort.

Ch. Anwaar Mehmood

Call sign : AP202617

Pakistan Amateure Radio Society

Annual General Meeting 2018

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