

FAB Newsletter

2009, 1st Week, December

Patron : Mr. Itikhar Ahmed (Executive Director)
ed@fab.gov.pk
Executive Editor: Mr. Mohammad Khalid Noor (Director General)
dgnic@fab.gov.pk
Contact us: www.fab.gov.pk

Frequency Allocation Board

Government of Pakistan
(www.fab.gov.pk)

Cabinet Division Islamabad

FAB Monitoring Facilities



FAB Internal Events



Frequency Allocation Board

Plot No. 112, Sector H-10/4,
Islamabad. 44000
Phone #: 0092-051-9257721/ 9257747
Fax #: 0092-051-9257586
www.fab.gov.pk

Functions of FAB

FAB took over the following functions erstwhile performed by Pakistan Wireless Board (PWB):

- To assign frequencies in Pakistan and in areas controlled by authorities in Pakistan.
- To coordinate assignment of frequencies with other boards when the frequencies are required for channels working to places outside Pakistan or where interference to channels operated by other authorities is likely to occur.
- To take such action as is consider necessary to ensure the correct observation of the provisions of the international radio communication regulations with particular reference to tolerances, bandwidth of emissions.
- To advise government on any proposal to establish new wireless services and their operation.
- To maintain liaison with other boards and committees for the purpose of maintaining as complete record as possible of frequency assignments throughout the world.
- To coordinate the defense department and civil wireless system and advise on all matters of common interest with particular regard to the networks as they may affect one another.
- To prepare and keep constantly under review plans for the utilization of the defense department and civil wireless system in the disposal of urgent traffic during an emergency or break-down of any line of telecommunication system.
- To control the sitting of all new fixed wireless stations in Pakistan.
- To scrutinize all applications for wireless transmitting licenses.

FAB has the exclusive authority to allocate and assign portions of the radio frequency spectrum to the Government, providers of telecommunication services and telecommunication systems, radio and television broadcasting operations, public and private wireless operators and others.

(Section 43, Pakistan Telecommunication (Re-organization) Act, 1996)

"Maintain the highest standards of honour, integrity, justice and fair play".

Quaid-e-Azam's Address to the Government Officials,
25th March 1948



**Message from Mr. Zafar Mehmood,
Secretary Cabinet Division/ Chairman FAB:**



Mr. Zafar Mehmood

Frequency Allocation Board is discharging important national role of frequency allocation to private and public sector applicants under Pakistan Telecommunication Re-organization Act 1996. FAB is committed to stay at the forefront by paving way for the introduction of cutting-edge wireless technologies. It is also expanding its monitoring facilities through acquisition of state-of-the-art monitoring tools, capable of monitoring emergent electromagnetic transmissions to minimize interference.

Message from Mr. Iftikhar Ahmed ED/ VC FAB:



Mr. Iftikhar Ahmed

FAB will continue to strive hard for provision of portions of Radio Spectrum to its applicants for the proliferation of radio base services. To do so FAB will improve its resources to meet the best practices in spectrum management.

Spectrum Management in Pakistan:

Spectrum management is an art and science of carefully planning spectrum allocation in a coordinated manner without compromising national interests with minimum scope of interference. The objective of spectrum management is to create a regime whereby the scarce radio frequency resource is planned to meet the competing and conflicting demands of wireless based services in line with ITU Radio Regulations. In order to optimize available spectrum, National Frequency Management and Monitoring System (NFMMS) is in place.

a. Spectrum Management Tools

National Control Center (NCC) has been established under the NFMMS having ten monitoring stations with mobile units spread all over. FAB has Spectrum Management Software tools for performing real time and swift analyses of the applications/proposals of applicants for optimizing the use of the available spectrum.

b. Spectrum Monitoring

In order to monitor interference among operators, number of Fixed and Mobile Monitoring Stations have been established as part of NFMMS. It has the capability to effectively monitor the frequency spectrum in various frequency bands. All monitoring stations are equipped with the integrated monitoring hardware and software to undertake monitoring tasks.

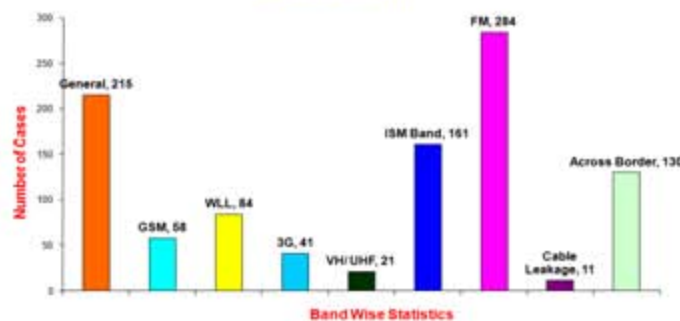


Demo of the Monitoring Van

Interference Complaints:

A large number of complaints are reported which are handled as per defined procedures. A very tight schedule of monitoring is adopted during the Year 2009. During this not only the interference complaints were addressed but also illegal users of spectrum were identified, which were conveyed to all concerned i.e. PTA, PEMRA, Ministry of Information Broadcast, Ministry of Defence etc for their enforcement action. This has helped to minimize interference in the authorized radio networks.

**UNAUTHORIZED USERS REPORTED IN NATIONWIDE MONITORING
(Jan to Sept 2009)**



National & Int'l Frequency Coordination:

Frequency coordination ensures harmonious operation and co-existence during simultaneous operation of two or more satellite networks operating in the Geostationary Orbit. Frequency coordination of satellite networks is the central and most intricate task for any administration. FAB is carrying out this vital task of frequency coordination with all the 191 Member States of ITU. FAB with the support of SUPARCO has successfully recorded the frequency assignments of PAKSAT-1 Satellite Network at 38°E in MIFR maintained by ITU.

Activities and Events:

Meeting of the 34th FAB

The Meeting of the 34th FAB was held on 5th October 2009, which was chaired by Mr. Zafar Mehmood, Secretary Cabinet/ Chairman FAB. This meeting was special one as it was held after a long interval of time. The Board considered a sixteen points agenda covering frequency allocation of DVB, considering frequency allocation to the Broadcasting sector, telecommunication sector for public and private applicants. A comprehensive overview of the NFMMS was presented and its capability was demonstrated to members of the Board after the meeting. Certain administrative points were also discussed.



Meeting of the 34th FAB in progress