



World Youth Day
Frequency Spectrum Management
Questionnaire

Radio Frequency Requirements for World Youth Day 2008

Column A: This column requires insertion of data in respect to the type of facility you require to use. The categories are as follows:

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|---|---|---|--|
| Category 1: VHF/UHF Communications
1a. Voice communications (simplex)
1b. Voice communications (duplex)
1c. Remote control
1d. Hand held radio 'phone
1e. Talk thru repeaters | Category 2: Wireless Microphones
2a. Wireless microphones | Category 3: Television Outside Broadcast (TOB)
3a. Mobile uplinks
3b. Mobile downloads
3c. Fixed point to point links | Category 4: Satellite Links
4a. 'C' Band uplinks
4b. 'Ku' Band uplinks
4c. 'C' Band downlinks
4d. 'Ku' Band downlinks |
|---|---|---|--|

Column B: Please enter the quantity of devices that you wish to use.

Column C: Please indicate the venues (locations) where you wish to use the devices.

Column D: The data required in this column is based on the Emission Characteristics of Radio Transmission. This is the system adopted by the International Telecommunications Union (ITU). It uses nine (9) alphanumeric symbols, the first seven being mandatory. The first four symbols provide bandwidth information and can range from 0.001 Hz to 999 GHz. The next three symbols provide details of the basic characteristics of the emission while the last two symbols are optional and can describe any additional characteristics that may help in a more complete description of the emission. An example would be as follows: 24M0F3FN. This indicates a bandwidth of 24 Megahertz, using Frequency modulation (F), a single analog signal modulating the carrier (3) being used for Television (F) with (N) being used to indicate that it is a colour signal.

Column E: The RF bandwidth in kilohertz for the particular application.

Column F: The actual transmit or receive frequencies that are required.

Column G: Frequency range that the equipment intended for use can cover. This will indicate the frequency agility of the equipment.

Column H: Please indicate power output of transmitter and/or EIRP in Watts.

Column I: Type of antenna to be used, eg Rod, Parabolic, Horn etc and polarisation.

Column J: Please place the manufacturers name and product title in this column.