

ABSTRACT

The objective of the present invention is to continue communication even if a tracking error exists and to reduce interference on other transponders when transmitting a video and audio between an endstation facility and another endstation facility via a transponder mounted on communications satellite. This transmission system (10) includes a tracking antenna (18) that tracks a transponder (14), a tracking error calculation circuit (229) that obtains a tracking error in a tracking operation of the tracking antenna (18), a transmission level control circuit (232) that obtains a transmission level of a signal in response to the tracking error, and a transmitter (226) that transmits the signal at the obtained signal level via the tracking antenna (18) to the transponder (14) of the communication target.