

One Glenayre Way
Quincy, IL 62301



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August 25, 1998

Federal Communications Commission
Experimental Radio Service
P.O. Box 358320
Pittsburgh, PA 15251-5320

rec'd 8/25/98

Subject: Special Temporary Authority

Dear Sir/Madame:

Glenayre Electronics requests special temporary authority (STA) under Title 47 CFR Part 5 [5.202(g)] for feasibility, development and preproduction testing of low power paging transmitters for use within buildings. Model designations and FCC IDs have not been established for these potentially marketable devices.

1. Requestor: Glenayre Electronics Incorporated - AirTouch Paging
One Glenayre Way
Quincy, IL 62301
2. STA Requirement: The prototype equipment(s) are not type accepted. Air Touch Paging has been granted a license for the frequency(s) to be used and is a joint party in this request.
3. Type of Operation: Fixed: Location A - 42°57'14"N, 085°37'25"W
Location B - 42°58'12"N, 085°39'54"W
Location C - 39°57'40"N, 091°22'51"W
4. Purpose of Operation: The requested STA will be used for feasibility, development and preproduction testing of low power paging transmitters intended for use within large buildings or campus environments.
5. Period of Operation: Start: upon receipt of STA
Duration: 270 days or 30 June 1999
Time: 24 hours/day - 7 days/week
6. Call Sign: WPKT947, 47 CFR, Part 22.531(b), Nationwide Paging.
7. Application and Modulation. Paging using FSK modulation, 4 level 6400 bps, 4800 Hz deviation (maximum).

8. Locations:

- A – Spectrum Health East, 1840 Wealthy, Grand Rapids, MI
42°57'14"N, 085°37'25"W
- B – Spectrum Health Main, 100 Michigan Ave, Grand Rapids, MI
42°58'12"N, 085°39'54"W
- C – Glenayre Electronics, 1 Glenayre Way, Quincy, IL
39°57'40"N, 091°22'51"W

9. Equipment: Makes and Models to be investigated are not yet assigned.
Frequency: 929 to 941 MHz
Frequency Stability: better than 0.050 PPM (0.0000050%)
RF Power Output: 250 mW (-6.02 dBW) to 25W (14 dBW)
Emissions Designation: 14K4F1D

10. Operating Frequency: 931.58750

11. ERP: 0 to 20 dBW (typical)

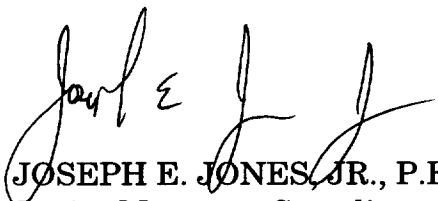
12. Emission Type: 14K4F1D

13. Antenna Height: Location A - 843 ft AMSL, 73 ft AGL
Location B - 913 ft AMSL, 188 ft AGL
Location C - 220 ft AMSL, 183 ft AGL

Note: All antenna elevations will be less than or equal than the height specified.
Typical height above ground level will be considerably less than the maximum.

Glenayre Electronics and/or AirTouch Paging will have engineers and technicians observing the transmitter during the installation and test period(s) to assure operating compliance. Station and operations shall comply with Commission's guidelines (OET-65) and requirements regarding harmful exposure to RF radiation.

Sincerely



JOSEPH E. JONES, JR., P.E., NCE
Senior Manager, Compliance Engineering

cc

Richard Morgan - AirTouch Paging
Kathy Crispin - Glenayre Electronics