GatesAir Transmitter Maintenance Schedule

Weekly

Item	Description
1	Check TPO and system power
2	Check reflected power
3	Check reject load power
4	Check AC mains voltage
5	Check warnings and faults
6	Check ambient temperature
7	Verify cooling systems and leaks
8	Check sidebands / modulation metrics
9	Review event logs
10	Inspect for rodents
11	Check transmission line pressure
12	Check generator fuel/oil
13	Inspect building security and site conditions
14	Maintain site log

Monthly

Item	Description
1	Check RF lines for hot spots
2	Switch/verify backup liquid pump
3	Inspect/clean heat exchanger
4	Check/replace air filters
5	Verify exciter switching
6	Verify transport stream switchover
7	Test generator
8	Test UPS operation
9	Verify surge suppression
10	Test backup transmitter system

Quarterly

Item	Description
1	Check coolant pH and mixture
2	Verify power calibration
3	Check phase shifter (if applicable)
4	Test N+1 / system switching
5	Check patch panels and RF switching
6	Test station load and cooling systems

Semiannual

Item	Description
1	Inspect and clean cabinets
2	Inspect and clean pump modules
3	Check transmission line pressurization equipment
4	Clean liquid cooling filters/screens

Annual

Item	Description
1	Inspect antenna and tower
2	Sweep transmission line
3	Replace system batteries
4	Inspect grounding system
5	Update safety contact list
6	Apply firmware/software updates
7	Review overall site safety and security
8	Check coolant condition/replacement schedule
9	Check AC power connections