

Base Communications, Inc.
P.O. Box 889
Blacksburg, VA 24063-0889

February 22, 2022

Statement in Support of WSGH-AM STA Request

To Whom It May Concern:

The engineering staff, including myself, of Base Communications, Inc. has been working with a third-party engineering contractor, Radio Cardinal, on repairs to the transmission system of WSGH-AM licensed to Lewisville, NC. In addition, we have also been working by telephone with representatives from the transmitter manufacturer.

As of 2/22/2022, we have not been able to complete repairs to our main transmitter which is a Nautel XL12 transmitter. We are requesting to go back on the air at the licensed transmitting site using our standby 1kW transmitter while repair attempts continue on the main Nautel XL12 transmitter.

We have been working on repairs of the Nautel XL12 since 2021 and have been unable to stabilize the transmitter for continuous operation. We have identified and repaired several issues in the transmitter related to control circuitry and the power supply systems. Our latest issue concerns the B+ voltage generation. An internal timer will shut off the B+ voltage, which is required to drive the transmitter amplifiers, if the voltage comes up too slowly. If B+ comes up too fast, it will shut off due to a thermal shutoff. We have been unable to find a repair B+ to come up and the transmitter to operate properly.

Thanks,

David Hodges

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