

# North Carolina Gauge Collection Network Block Diagram

NC Gauges Tx – 169.500

S&F Repeaters Rx&Tx – 169.500



All County Base Stations  
Rx on 169.500 those gauge and/or  
SF transmissions within their RF  
path range.



Joanna Bald



Soco



Glassy Rock



**Mt. Pisgah Repeater**  
Rx – 169.500  
Tx – 171.875



**NWS Office (GSP)**  
Rx on 171.875  
Hears everything output  
from Mt. Pisgah.



Ducket Top



**Viking Mountain**  
Tx – 170.275  
FSK Mux

See Tennessee Gauge Collection Network  
Block Diagram for input/output details for  
Viking Mountain repeater.



Bearwallow



**Distinctive AFWS Designs**  
Rx on 171.875 & 170.275,  
outputs of Mt. Pisgah &  
Viking Mtn., respectively.  
Note: Viking Mtn. output  
consist of 3 muxed output  
channels.



Hawshaw Mtn.



Walker Top

**NOTE:** There are 7 Store & Forward repeaters in NC. All repeaters have been upgraded to units where individual ID's can be set for Pass/Reject instead of the previous "Block" settings. All S&F repeaters talk to Pisgah and Viking. See attached list of Pass/Reject IDs for each S&F Repeater.

## North Carolina Gauge Collection Network Repeater Pass/Reject Identities

**Joanna Bald** (Repeater ID [Battery Volts] 4364) - 4360, 4364, 4365, 4370, 4375, 4390, 4395, 4490, 7100, 7105, 7110, 7115, 7120, 7125, 7130, 7135, 7240, 7245

**Soco** (Repeater ID [Battery Volts] 7995) - 4070, 4090, 4270, 4380, 4420, 4500, 4503, 4505, 4630, 4635, 4650, 4655, 7070, 7075, 7080, 7085

**Glassy Rock** (Repeater ID [Battery Volts] 7985) - 22, 24, 25, 26, 27, 28, 29, 30, 35, 36, 37, 38, 39, 50, 51, 4170, 4230, 4240, 4430, 4660, 4665, 4770, 4775, 4790, 4795, 4799, 4800, 4802, 4805, 4810, 4813, 4815, 4820, 4823, 4825, 4830, 4833, 4835, 4840, 4843, 4845, 4850, 4855, 4859, 4860, 4862, 4865, 4870, 4875, 4880, 4885, 4889, 4890, 4892, 4895, 4899, 4900, 4902, 4905, 7985

**Ducket Top** (Repeater ID [Battery Volts] 4055) - 4040, 4055, 4250, 4260, 4670, 4675, 4680, 4683, 4685, 7140, 7143, 7145, 7260, 7265, 7270, 7275

**Bearwallow** (Repeater ID [Battery Volts] 7795) - 7330, 7333, 7335, 7760, 7763, 7765, 7795

**Hawshaw Mtn.** (Repeater ID [Battery Volts] 7975) - 3436, 3538, 4100, 4120, 4290, 4300, 4310, 4320, 4330, 4350, 4480, 4523, 4525, 4560, 4570, 4583, 4585, 7000, 7005, 7030, 7060, 7065, 7090, 7095, 7180, 7185, 7210, 7215, 7220, 7225, 7280, 7285, 7290, 7295, 7300, 7305, 7310, 7315, 7320, 7325, 7975

**Walker Top** (Repeater ID [Battery Volts] 4345) - 4350, 4590, 4595, 7000, 7005, 7060, 7065, 7190, 7195, 7200, 7205, 7210, 7215, 7220, 7225