

Antenna check:

1. Before beginning data collection, set the antennas at the spacing to be used for that day.
2. Make certain that antenna check area is protected by traffic control.
3. Make 5 marks at the antenna spacing (2' is typical) along the antenna check area.
4. Layout 5 equal length parallel lines transverse to the paving direction across one or more newly paved lanes.
5. Snap a chalk line, or otherwise mark, the 5 parallel lines so they are easy to see. Also mark both ends.
6. Name a file "Antenna Check" and set offset equal to "0".
7. Position PaveScan with center antenna right at the marked starting point of Line 1.
Note: Left antenna will be on Line 0, right antenna will be on Line 2 (see graphic).
8. Collect distance file across lane. Stop right at the marked end point and save data.
9. Increase file offset setting by 2 feet or the antenna spacing selected for that day.
10. Back up and index over to the right one Line such that the center antenna is now on Line 2, (right antenna will be on Line 3).
11. Repeat this procedure until center antenna has travelled on Lines 1-5.
12. In walk mode dielectric reading variations among the three antennas should be within ± 0.12
(If variation is greater than ± 0.12 then recalibrate the PaveScan RDM with new Air and Metal plate readings.)
13. Repeat this antenna check at the end of data collection each day.
14. Compare antenna reading variation between beginning and end of data collection to assure validity of data.
(Dielectric reading variations among the three antennas should remain within ± 0.12)