

Traditional architecture:

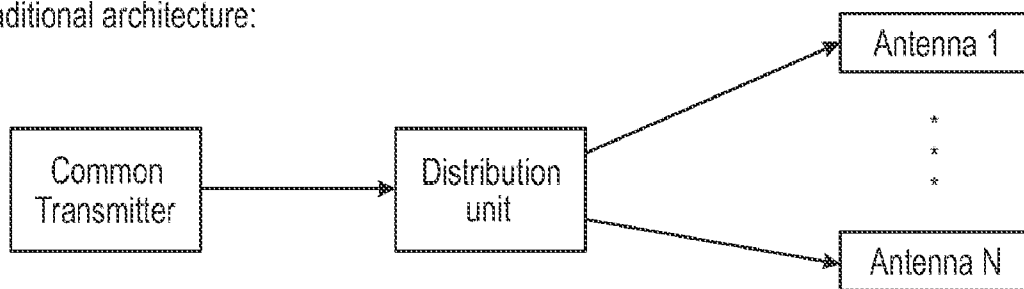


FIGURE 1

PILS architecture:

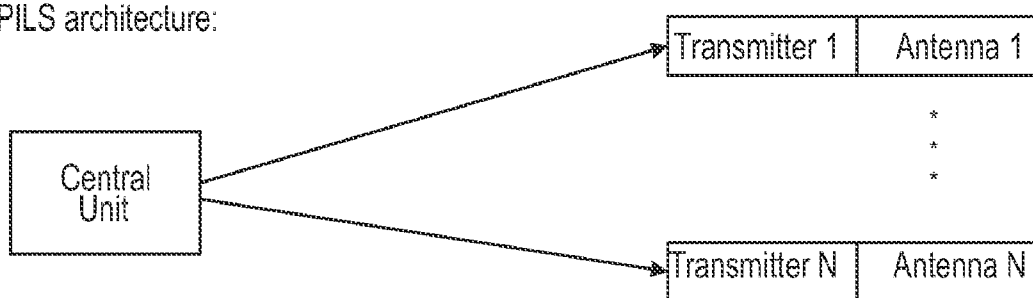


FIGURE 2

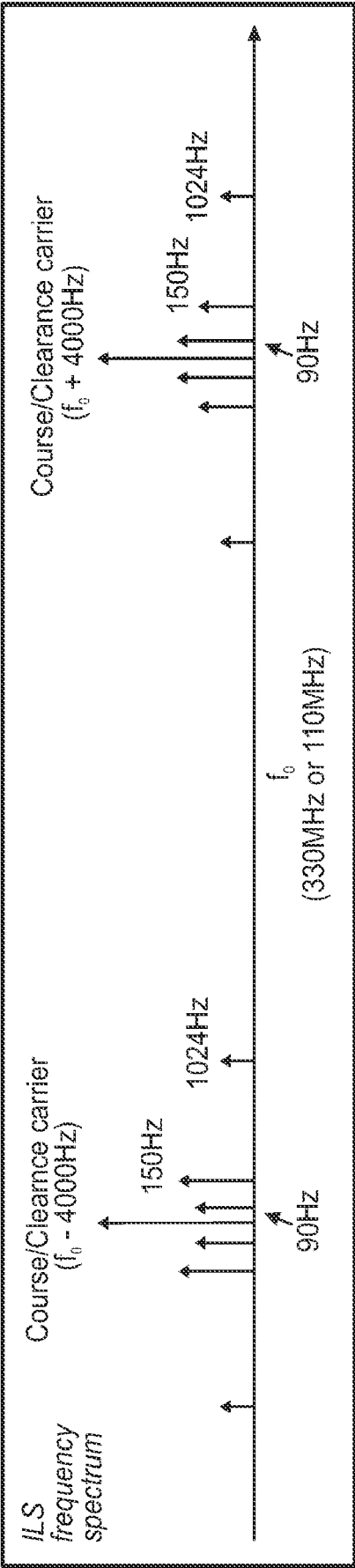


FIGURE 3

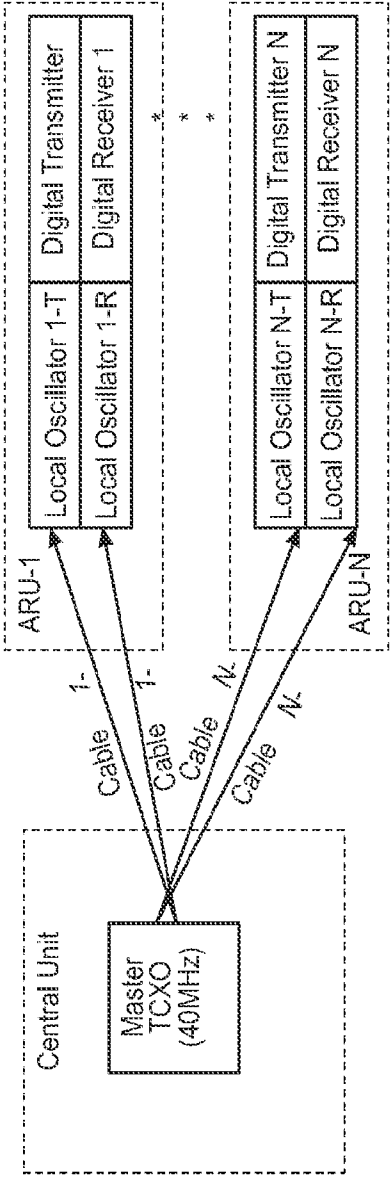


FIGURE 4

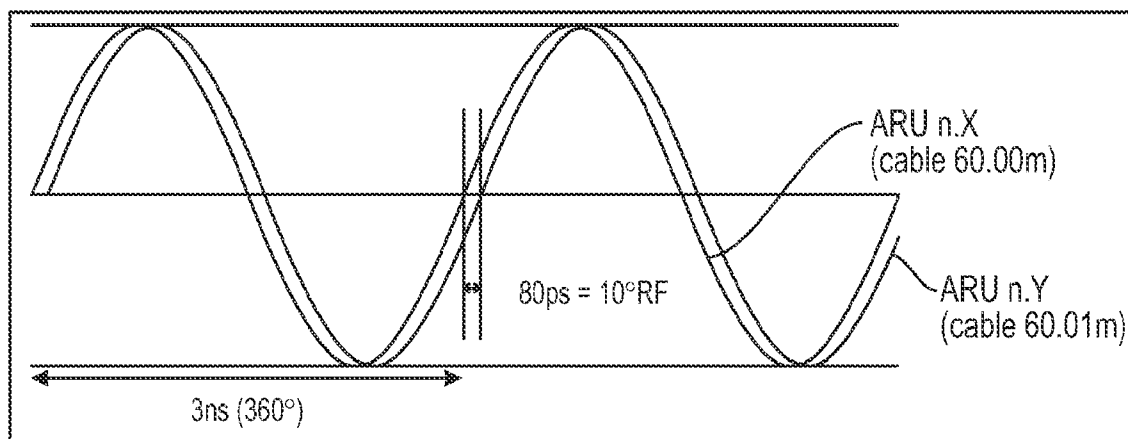


FIGURE 5

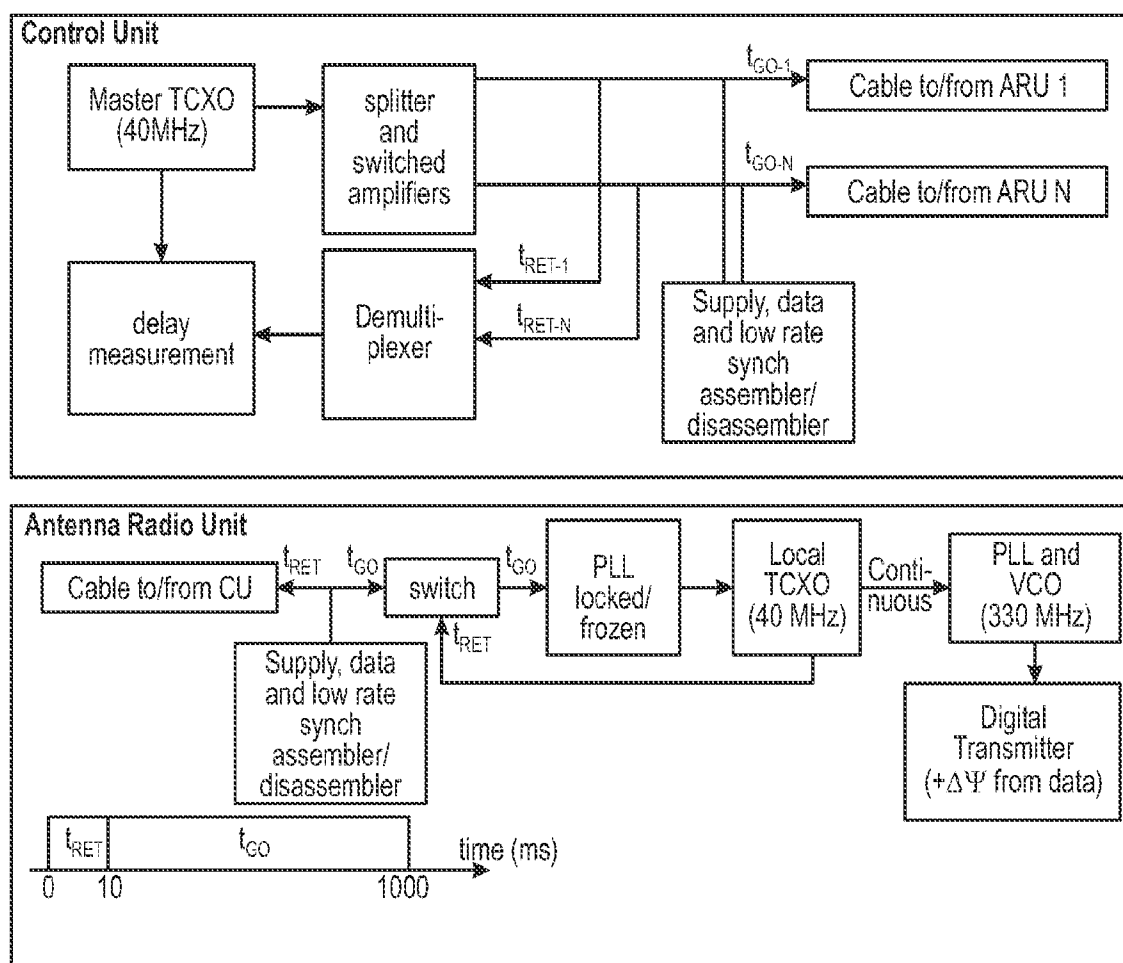


FIGURE 6

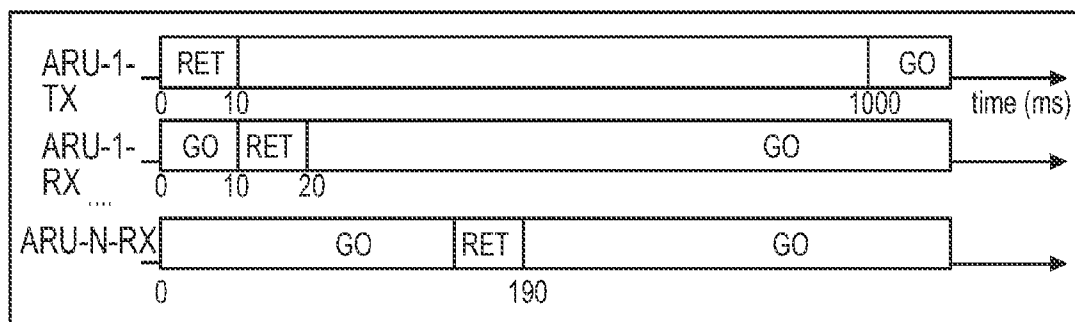


FIGURE 7

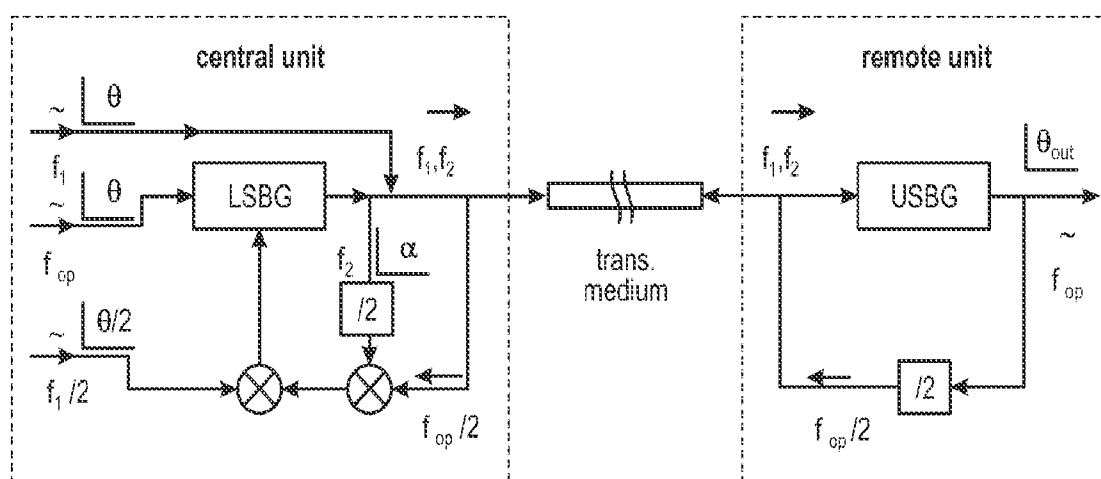


FIGURE 8

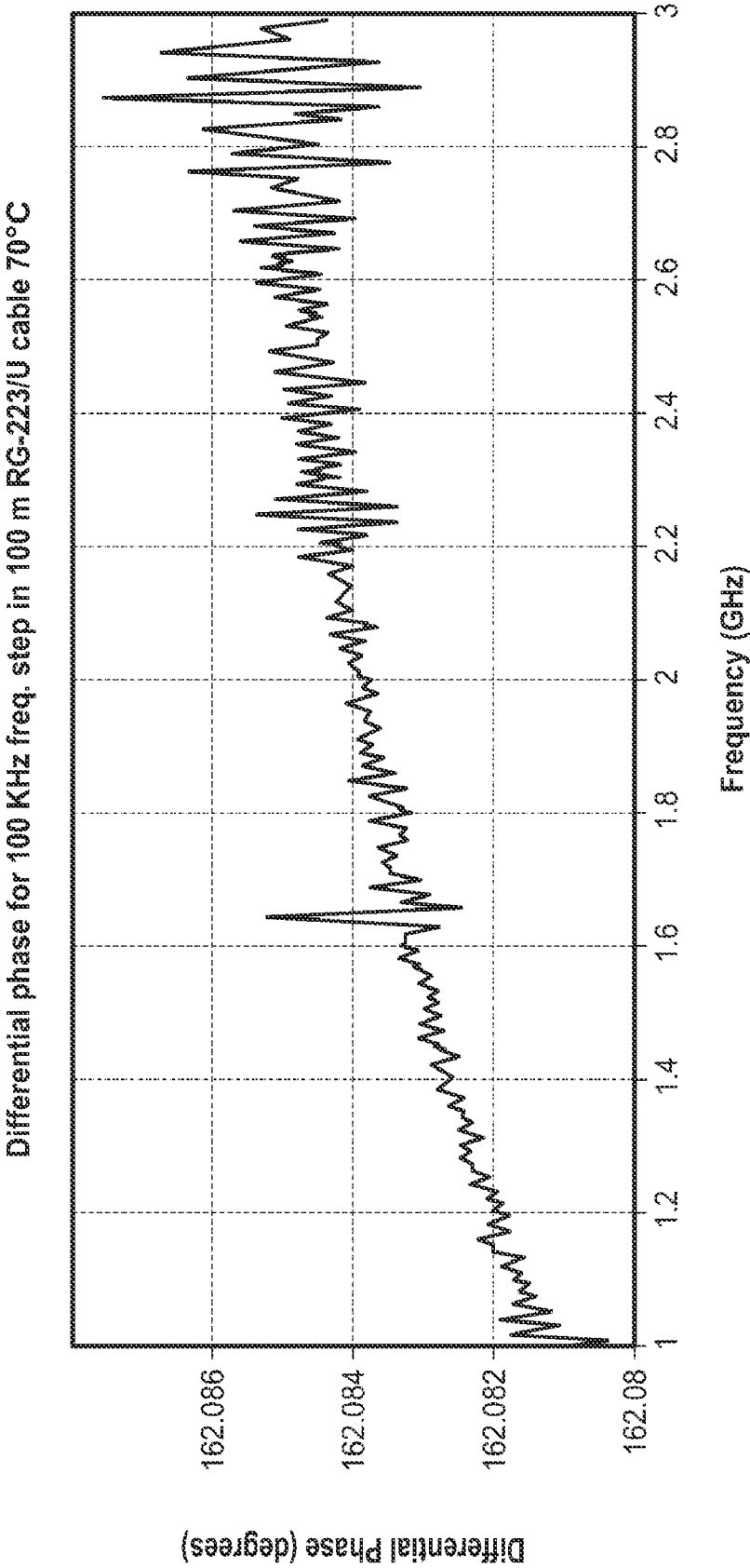
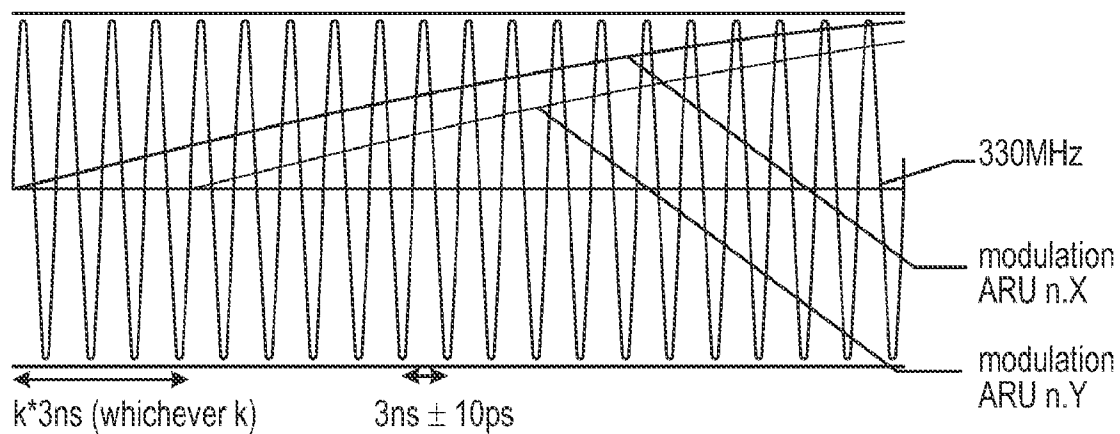
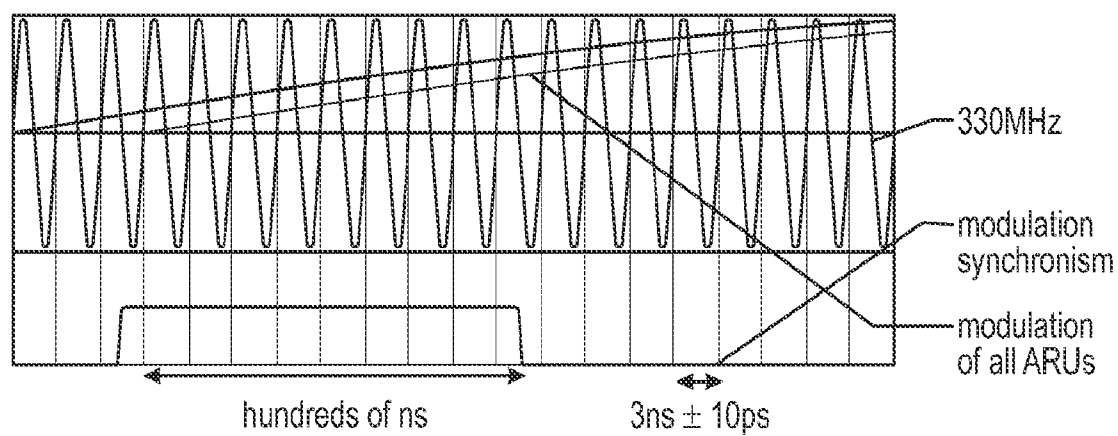
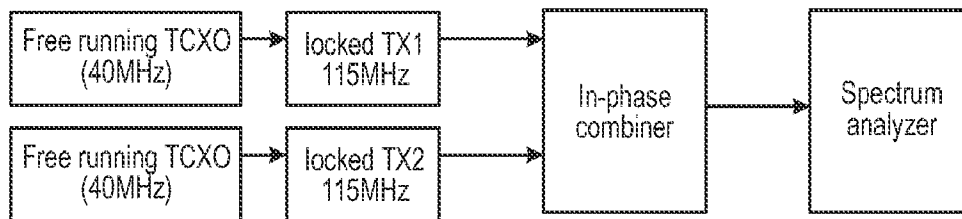
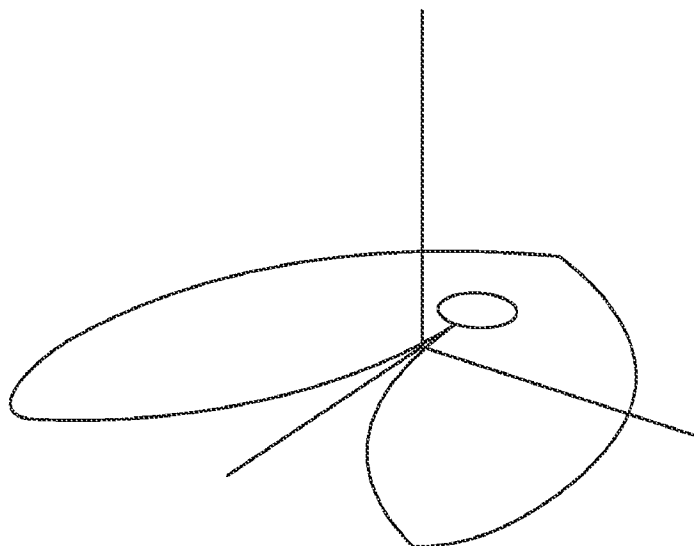
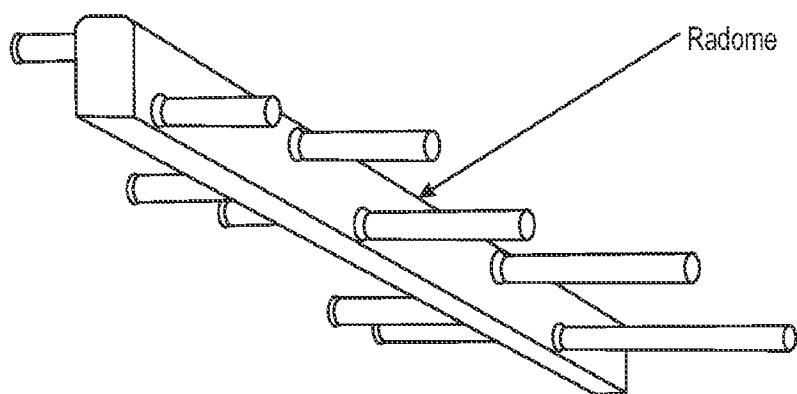


FIGURE 9

**FIGURE 10****FIGURE 11**

**FIGURE 12****FIGURE 13****FIGURE 14**

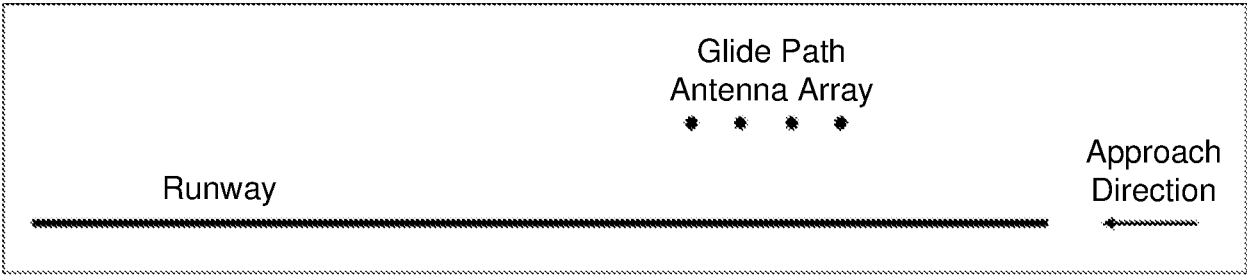


FIGURE 15

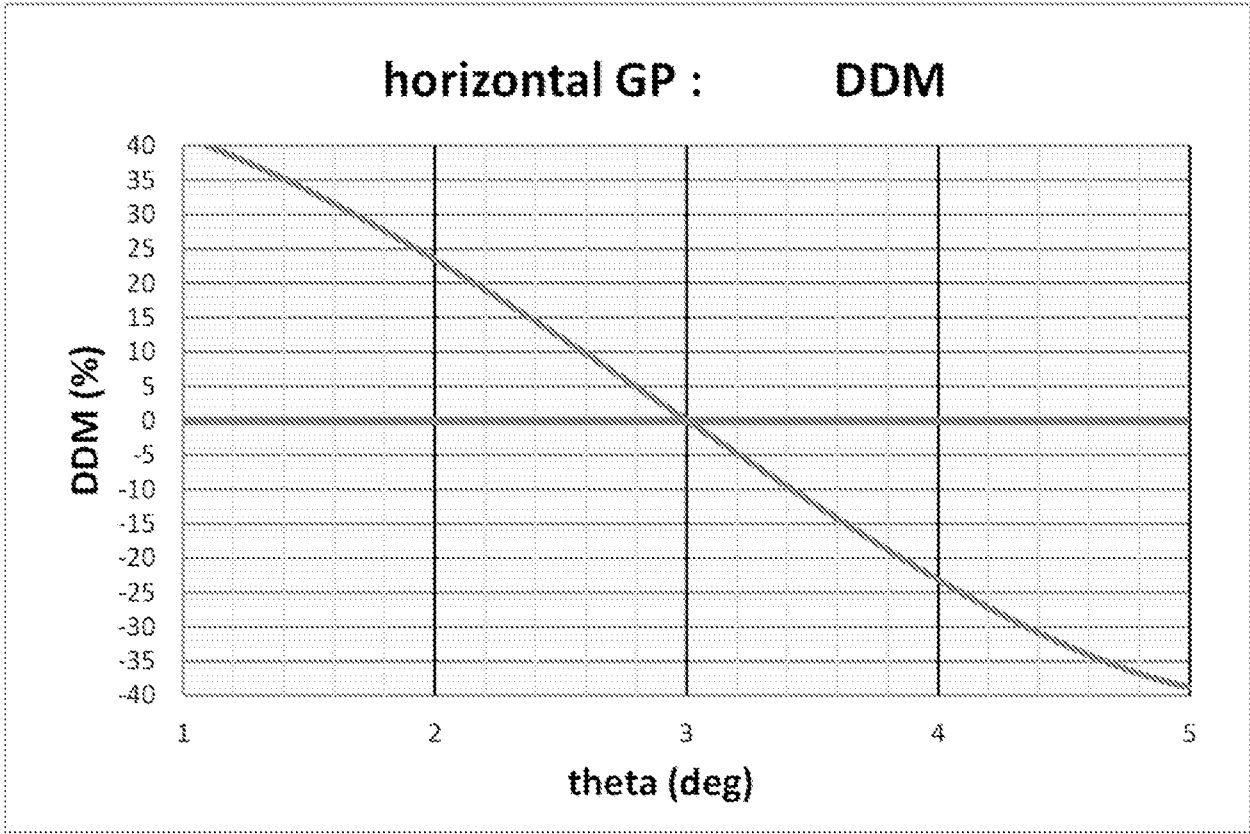


FIGURE 16

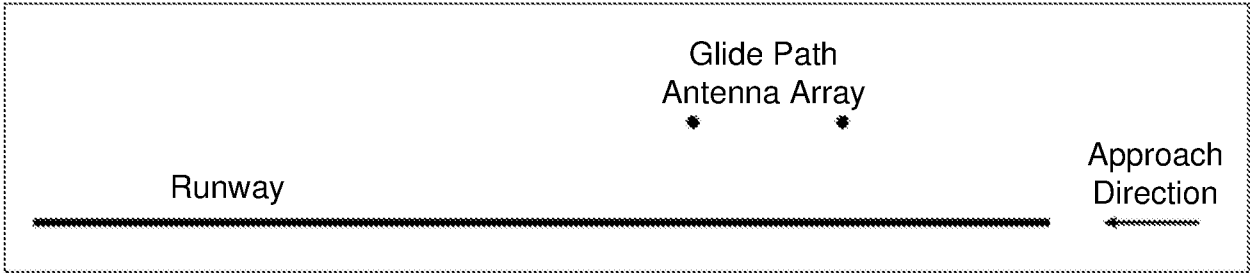


FIGURE 19

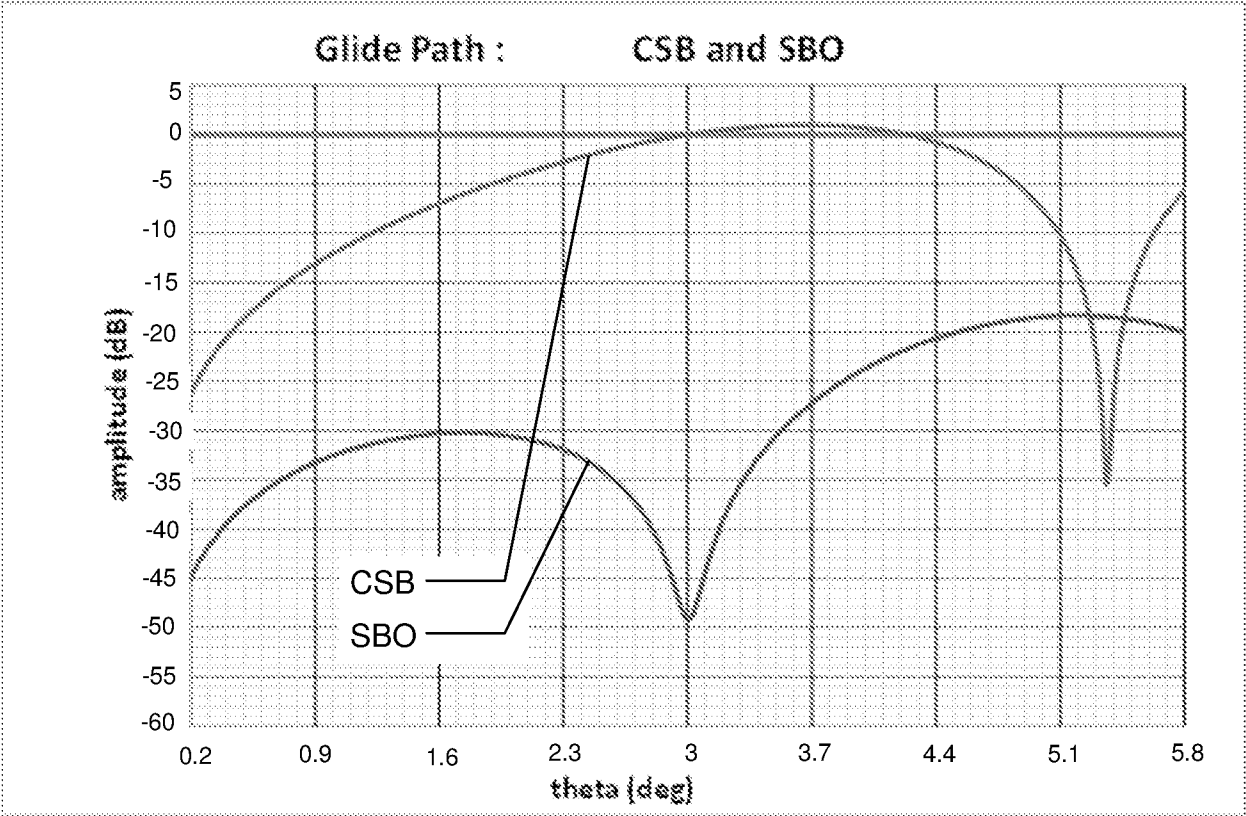


FIGURE 17

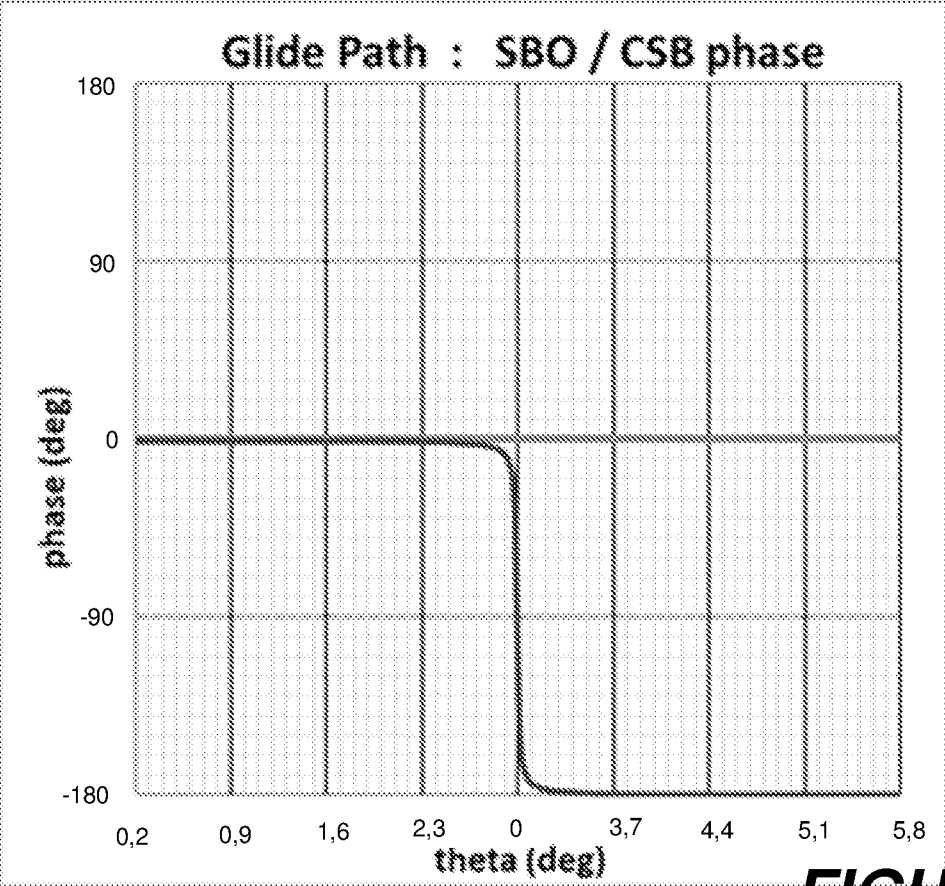
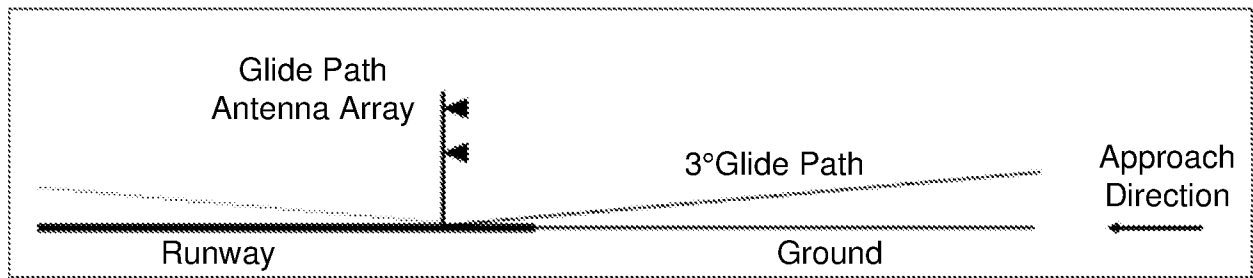
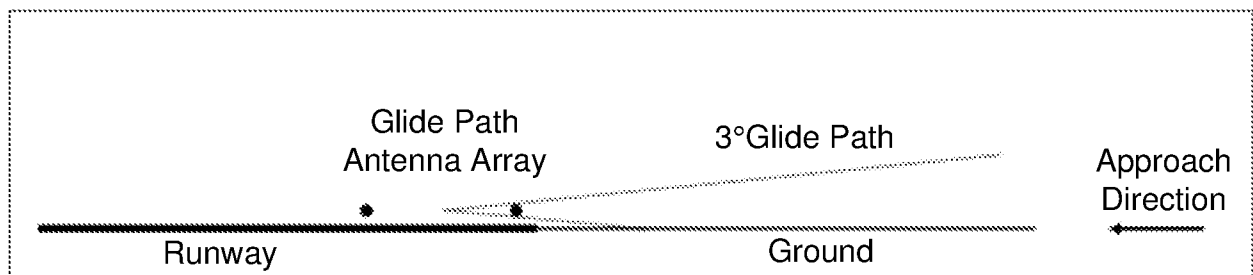
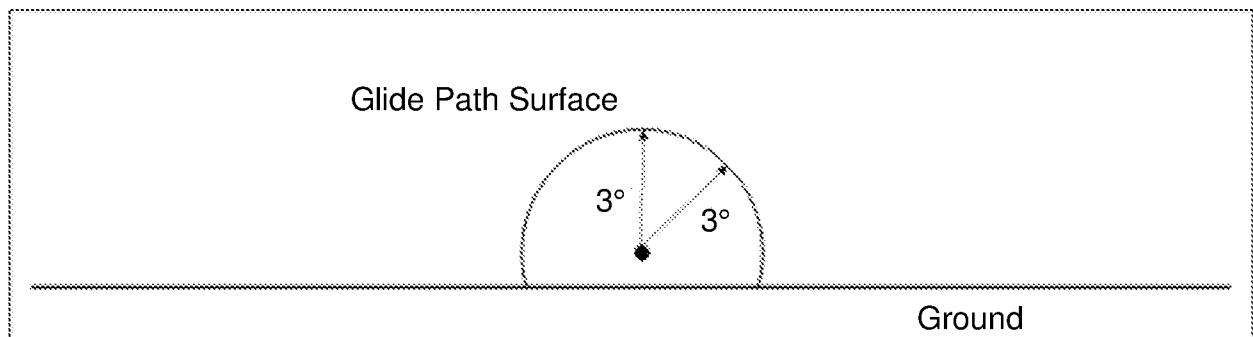
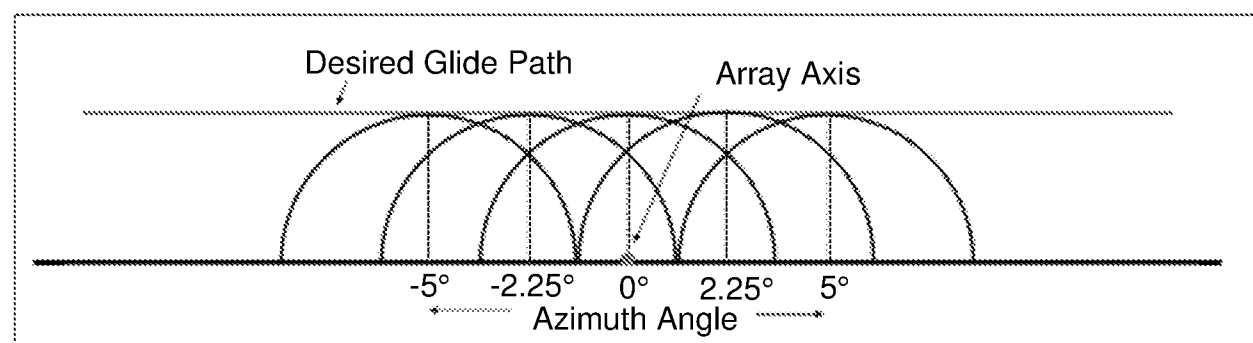
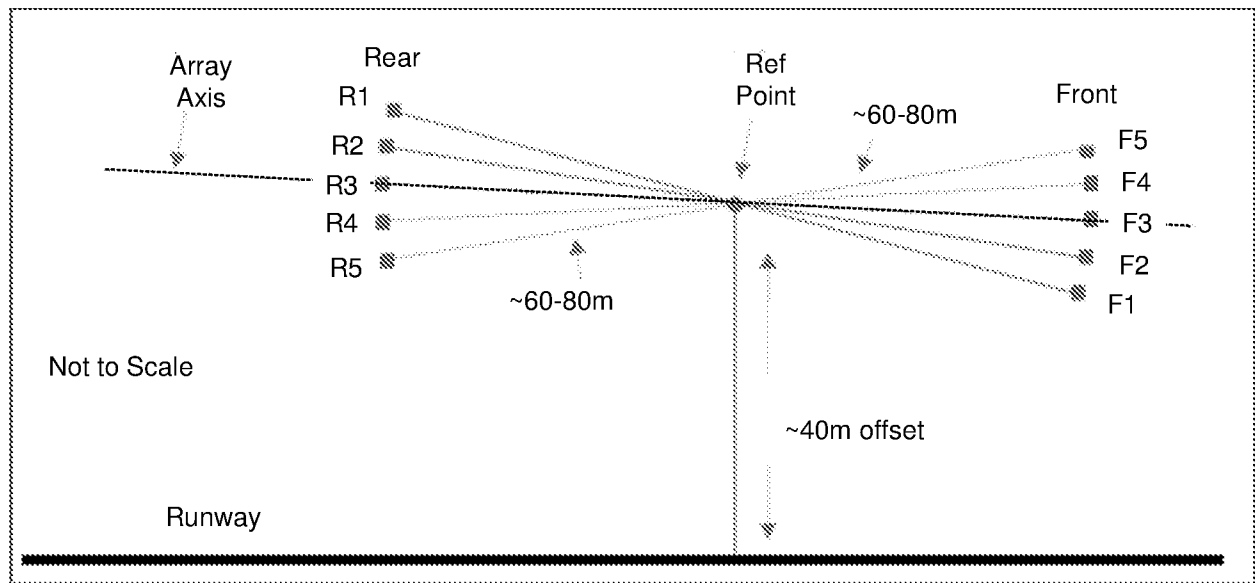
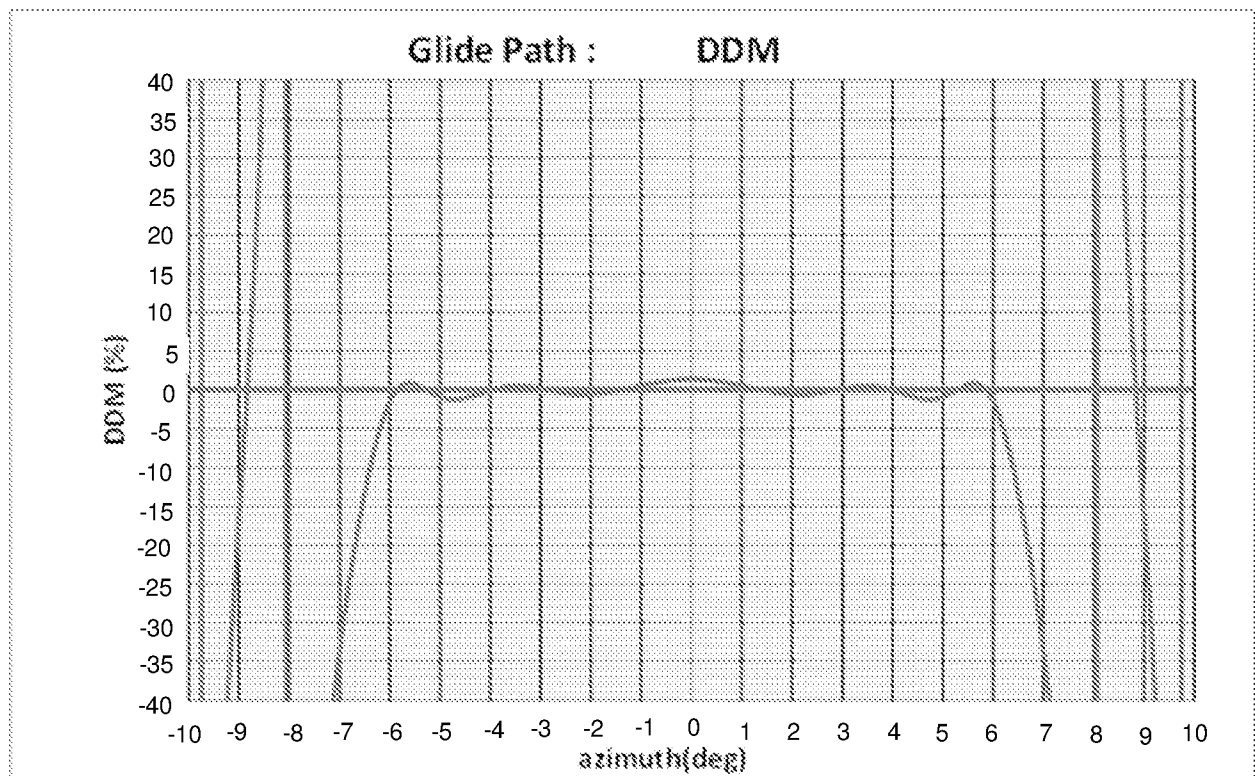
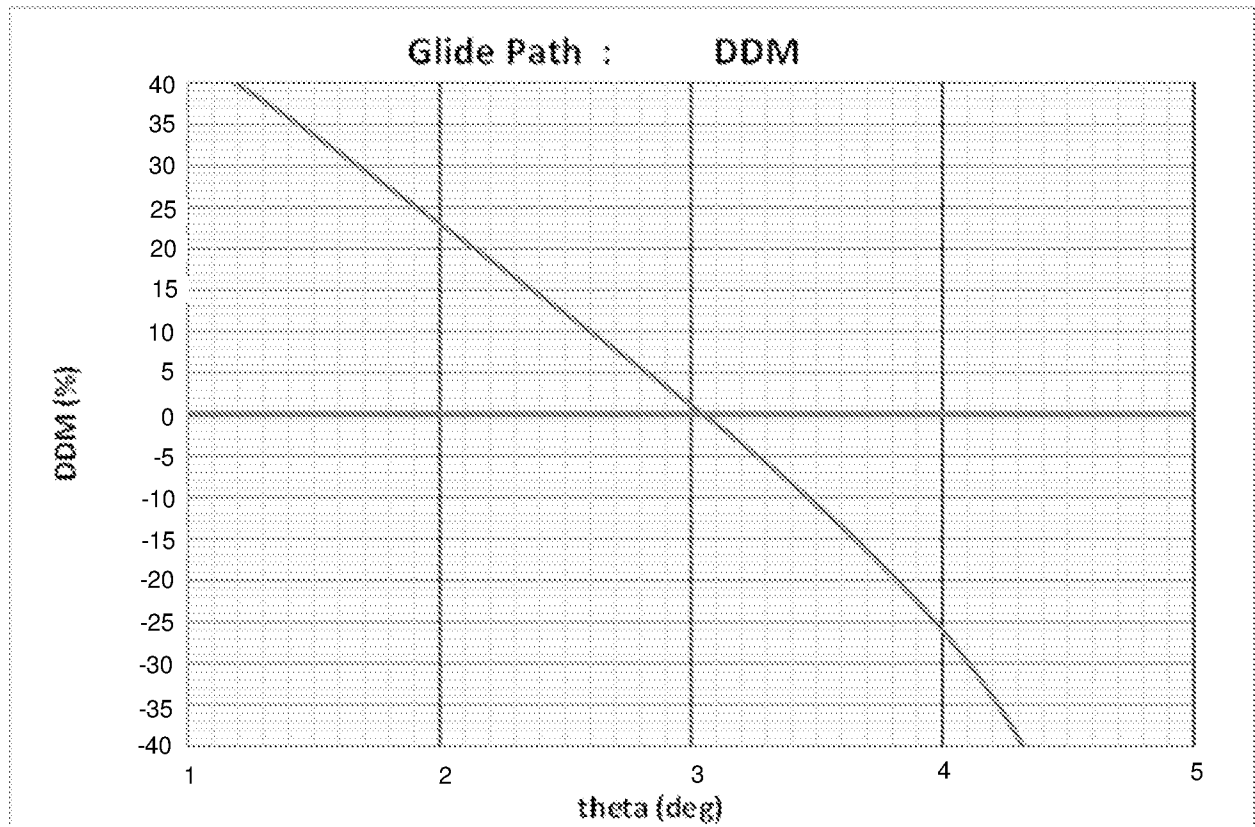
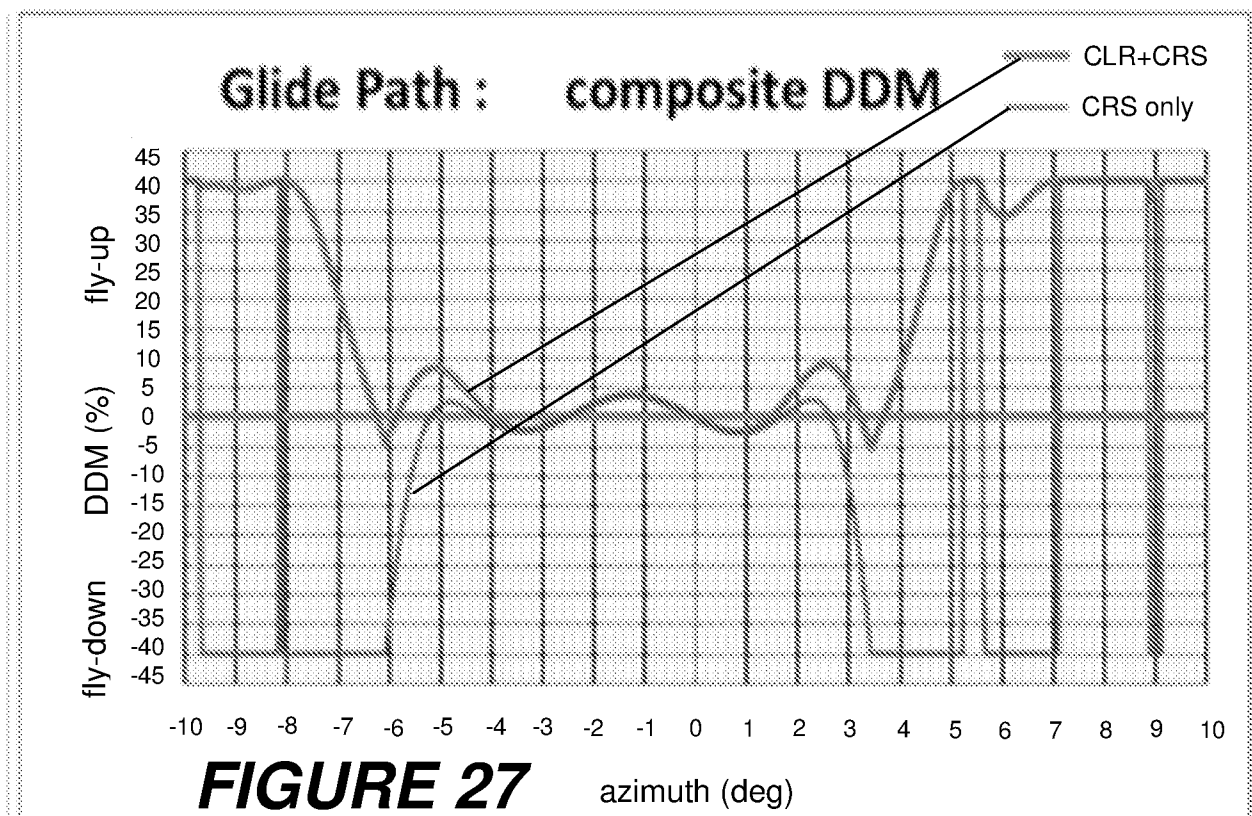


FIGURE 18

**FIGURE 20****FIGURE 21****FIGURE 22****FIGURE 24**

**FIGURE 23****FIGURE 25**

**FIGURE 26****FIGURE 27**

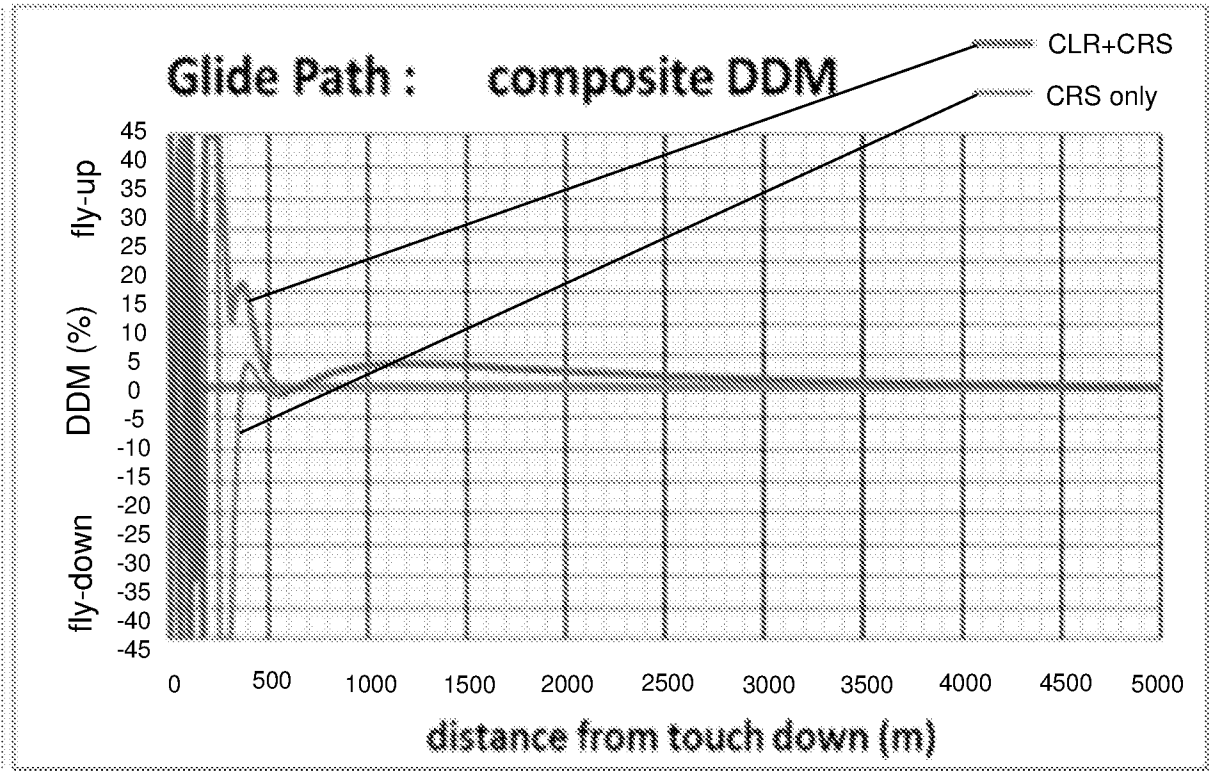


FIGURE 28

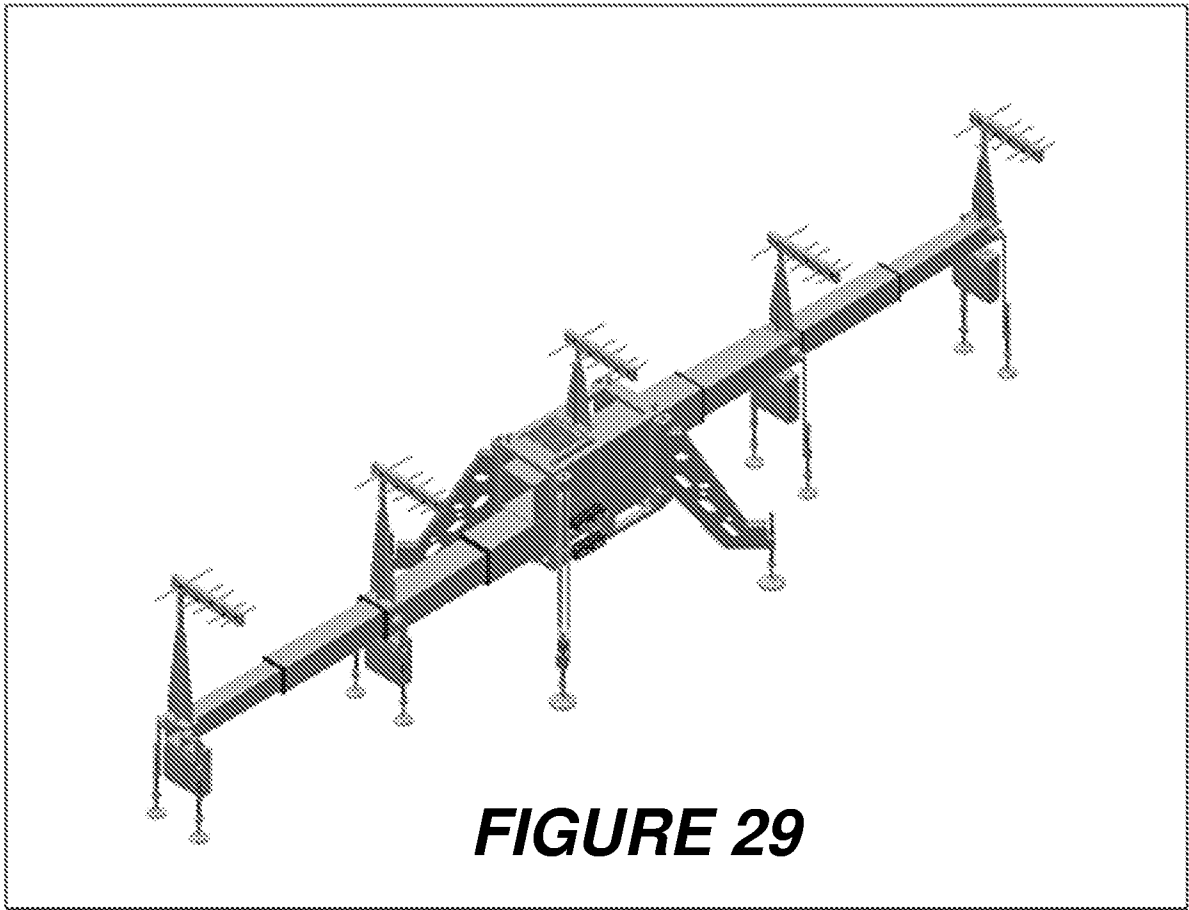
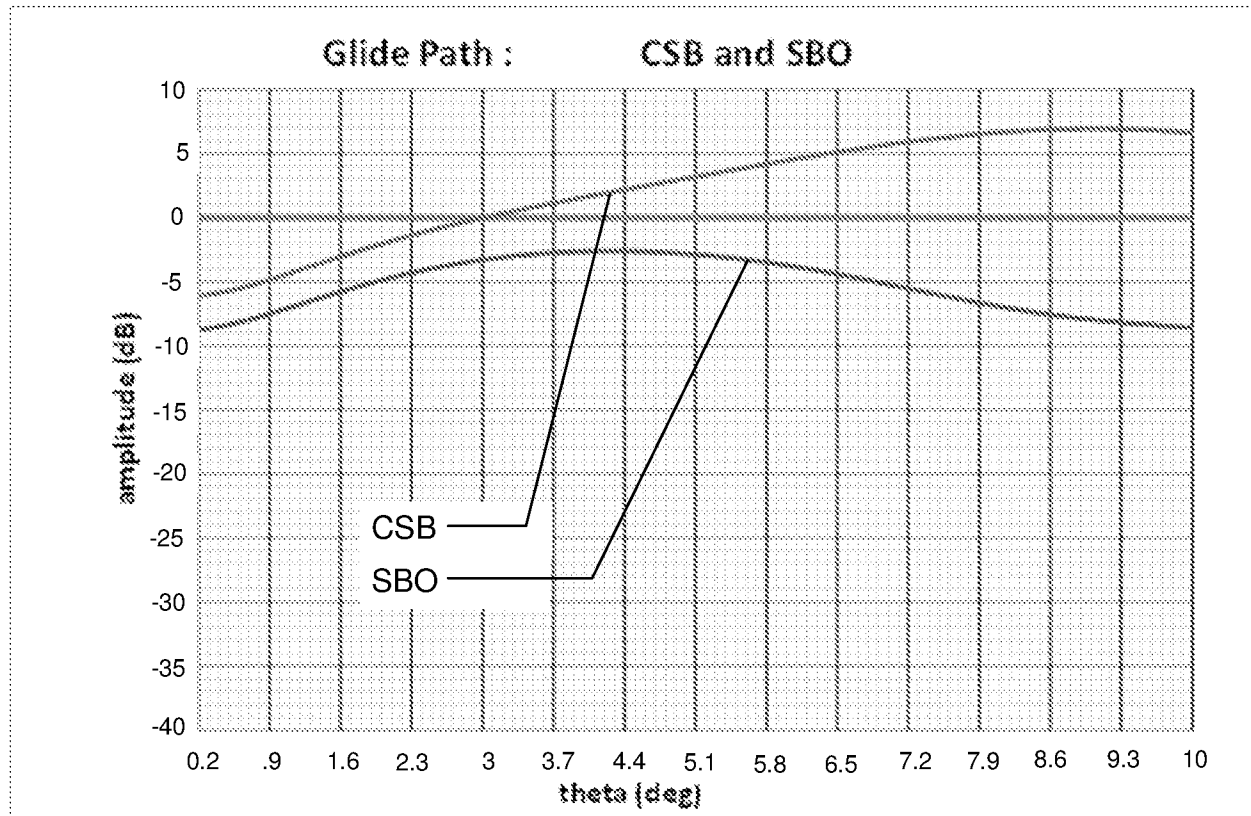
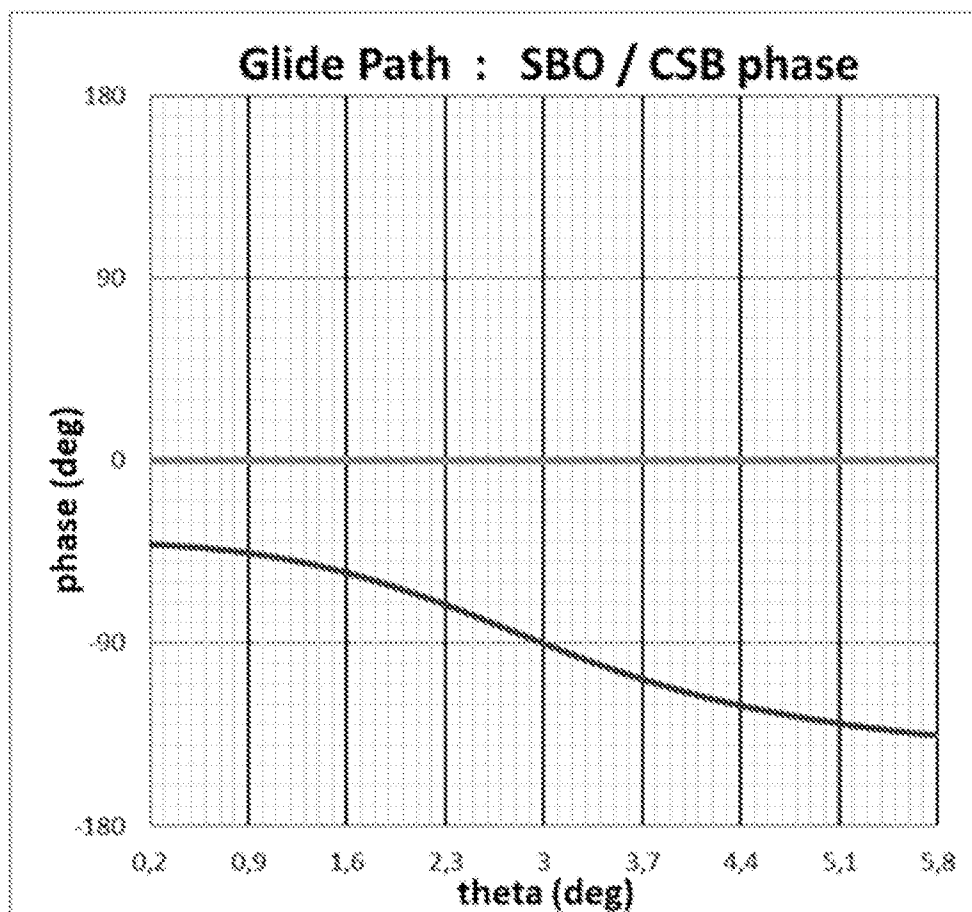


FIGURE 29

**FIGURE 30****FIGURE 31**

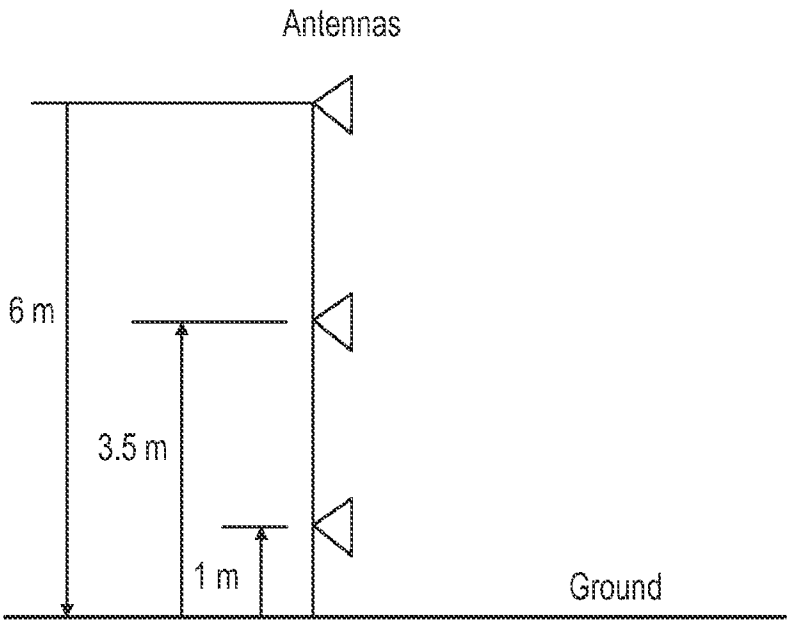


FIGURE 32

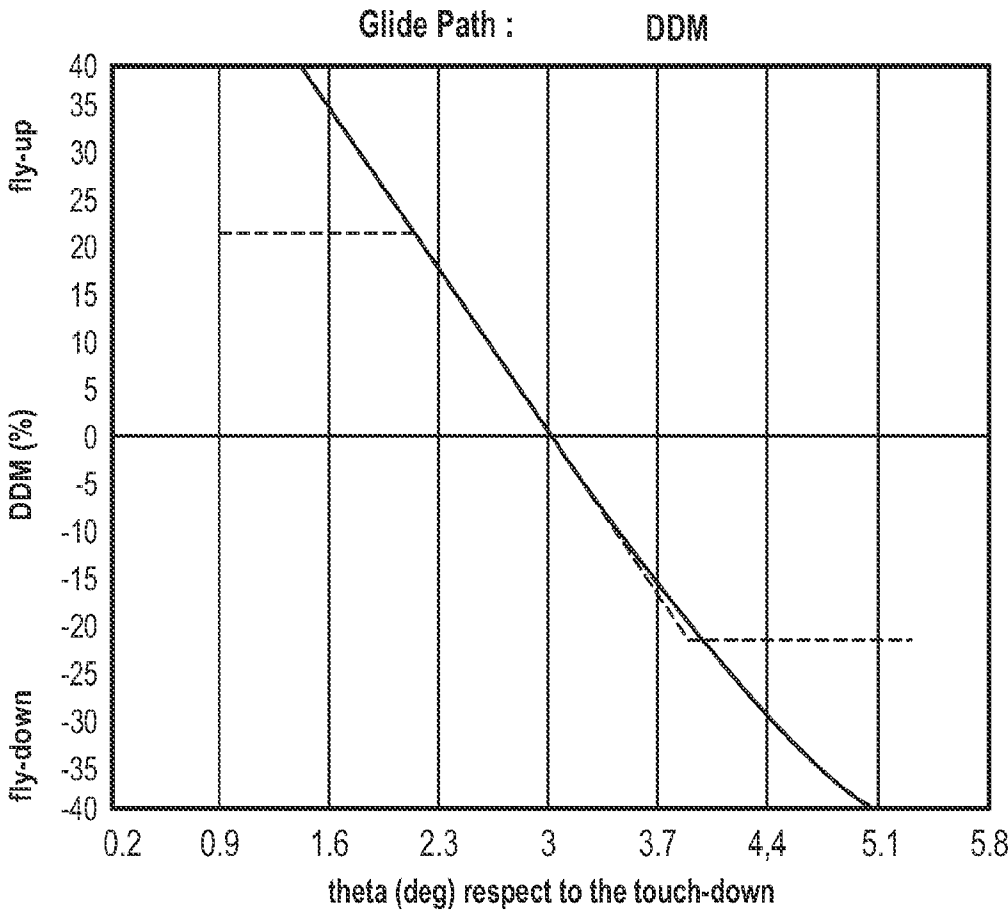


FIGURE 33

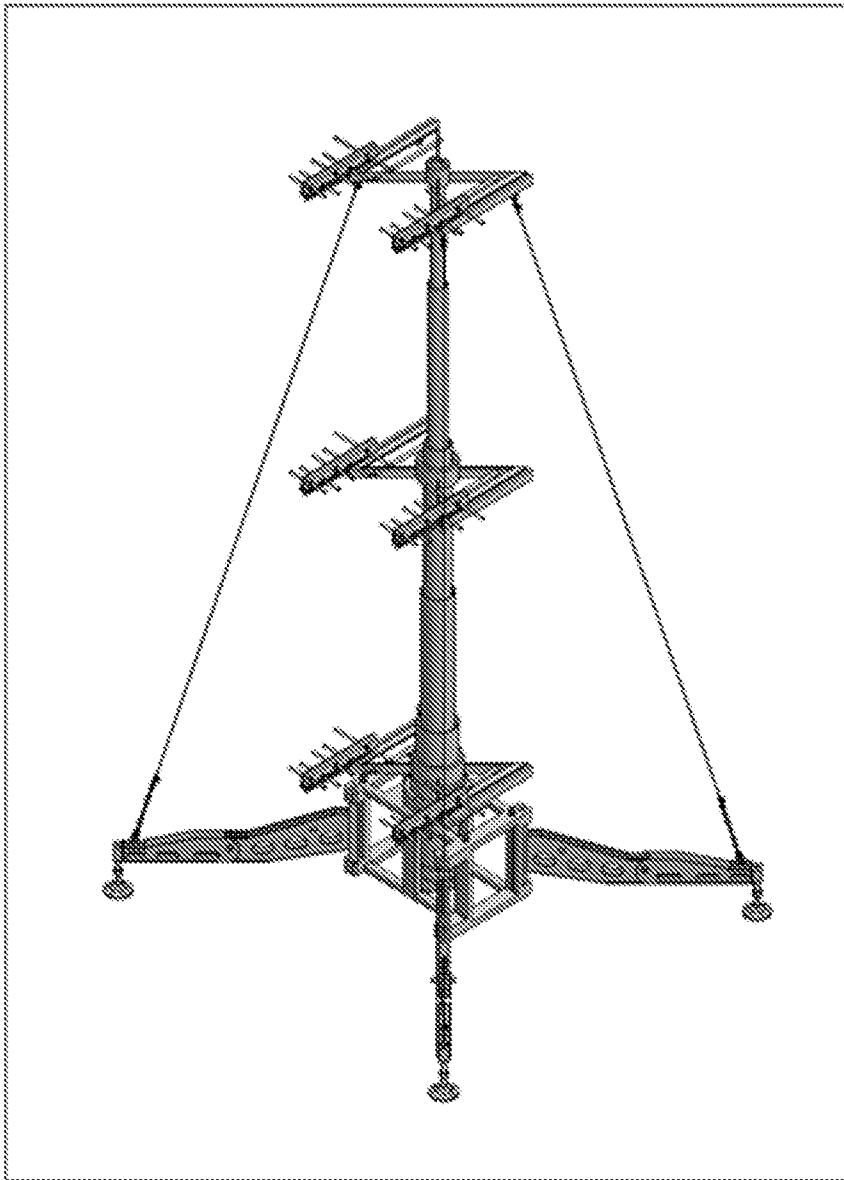


FIGURE 34

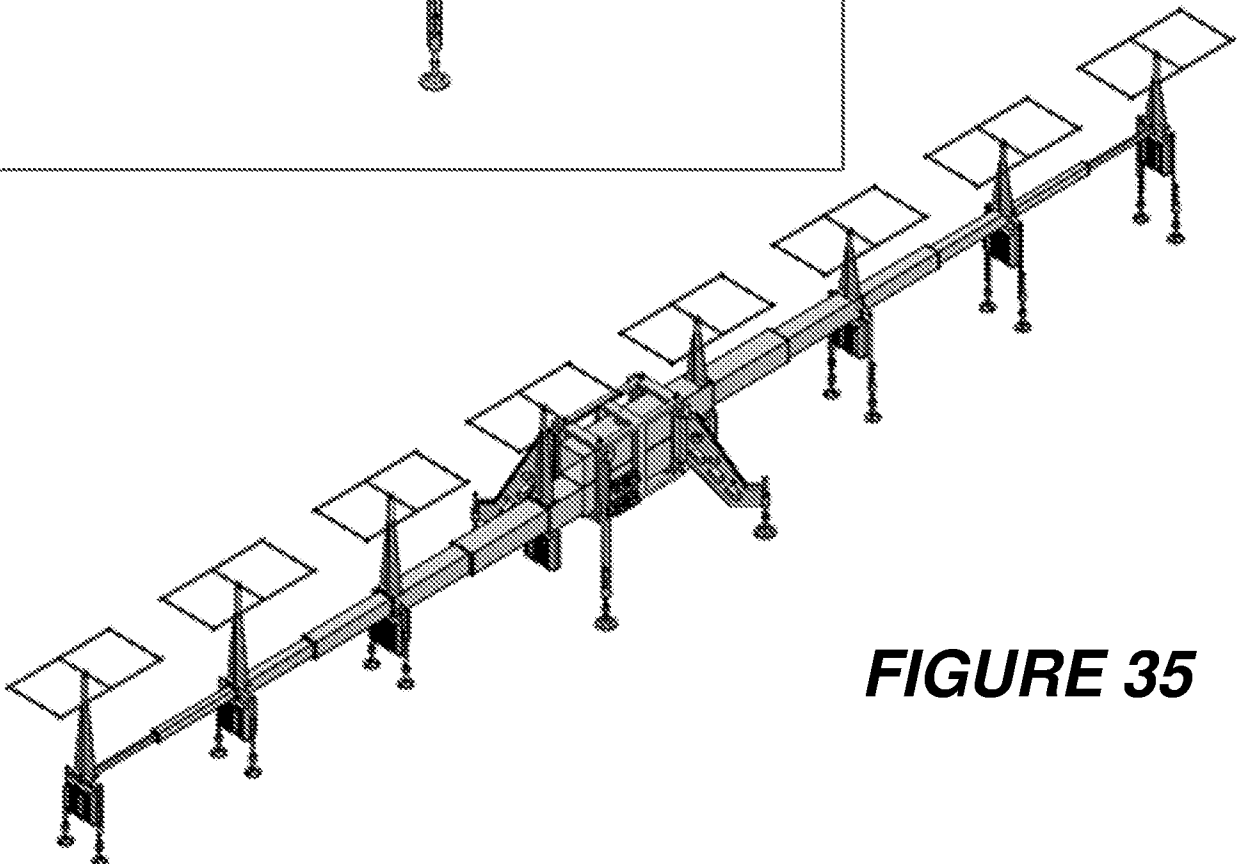


FIGURE 35

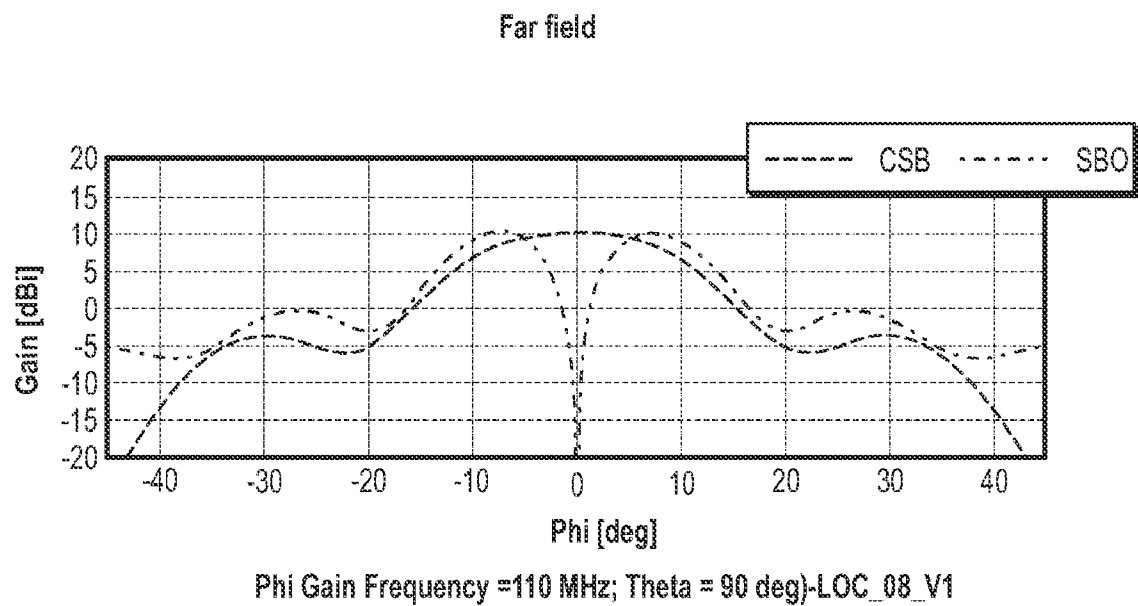


FIGURE 36

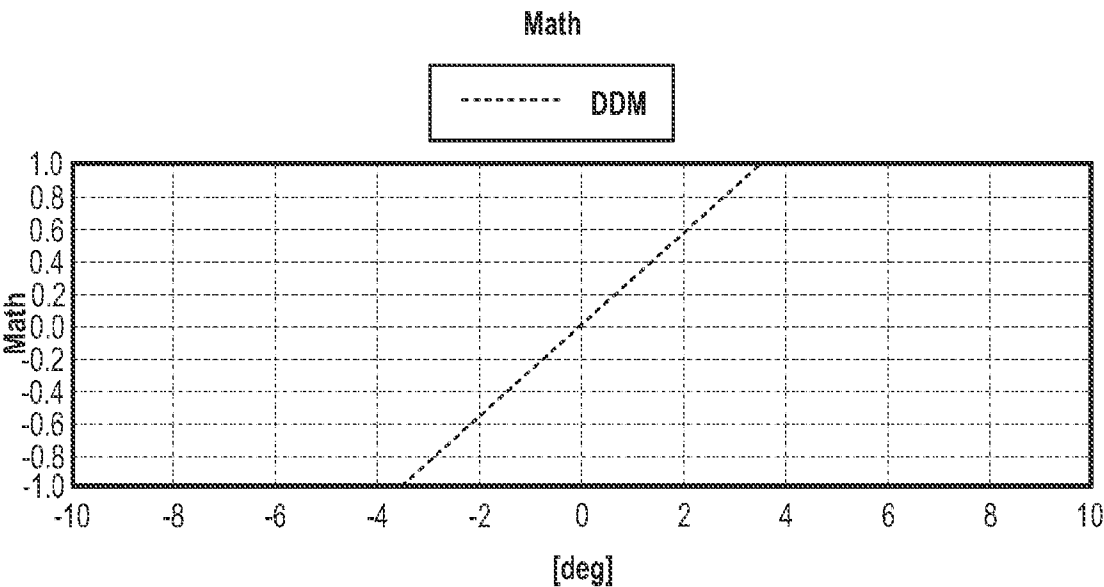


FIGURE 37

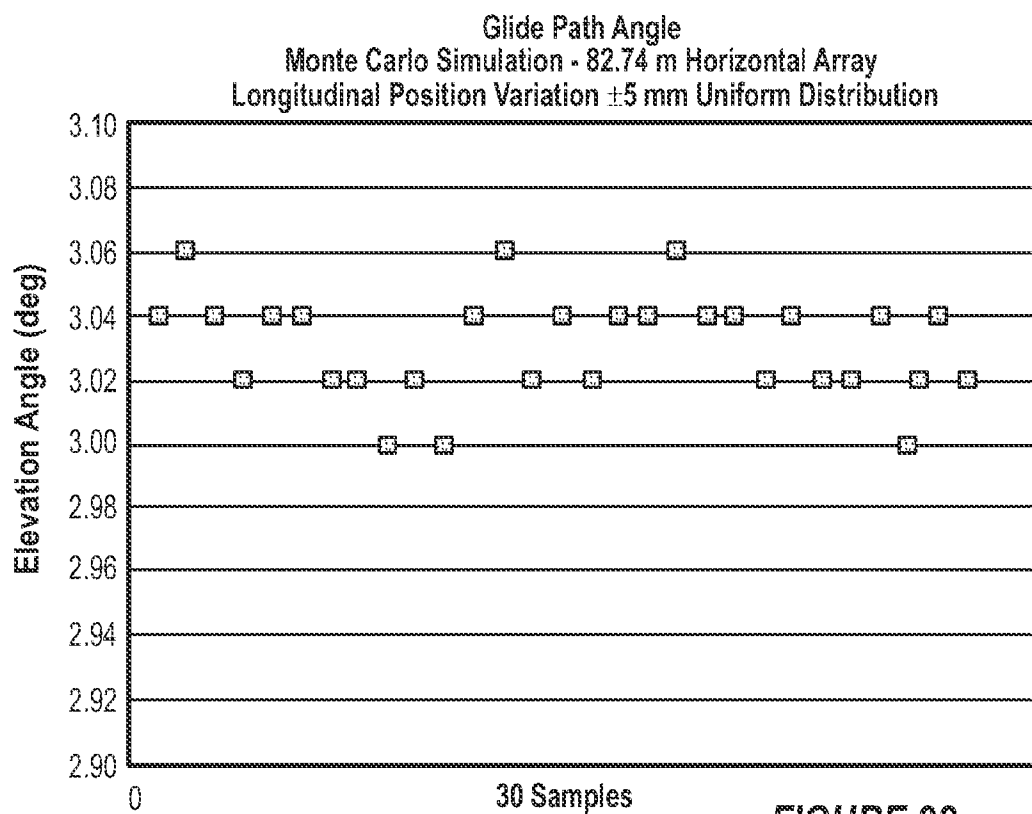
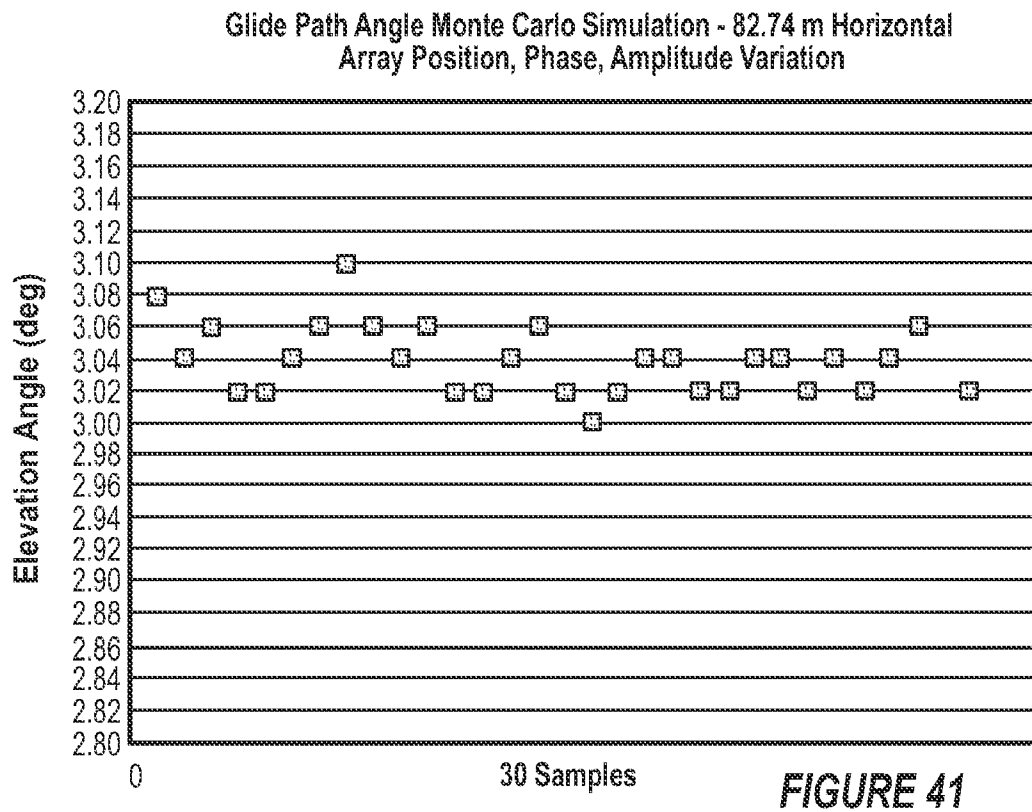
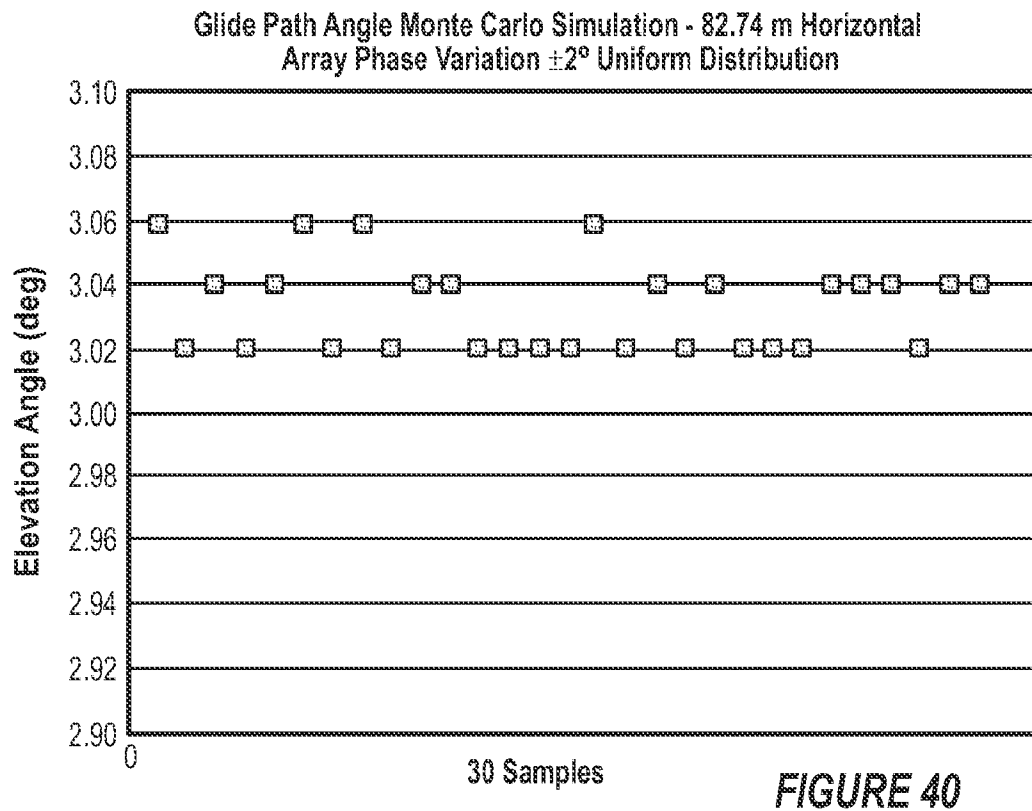
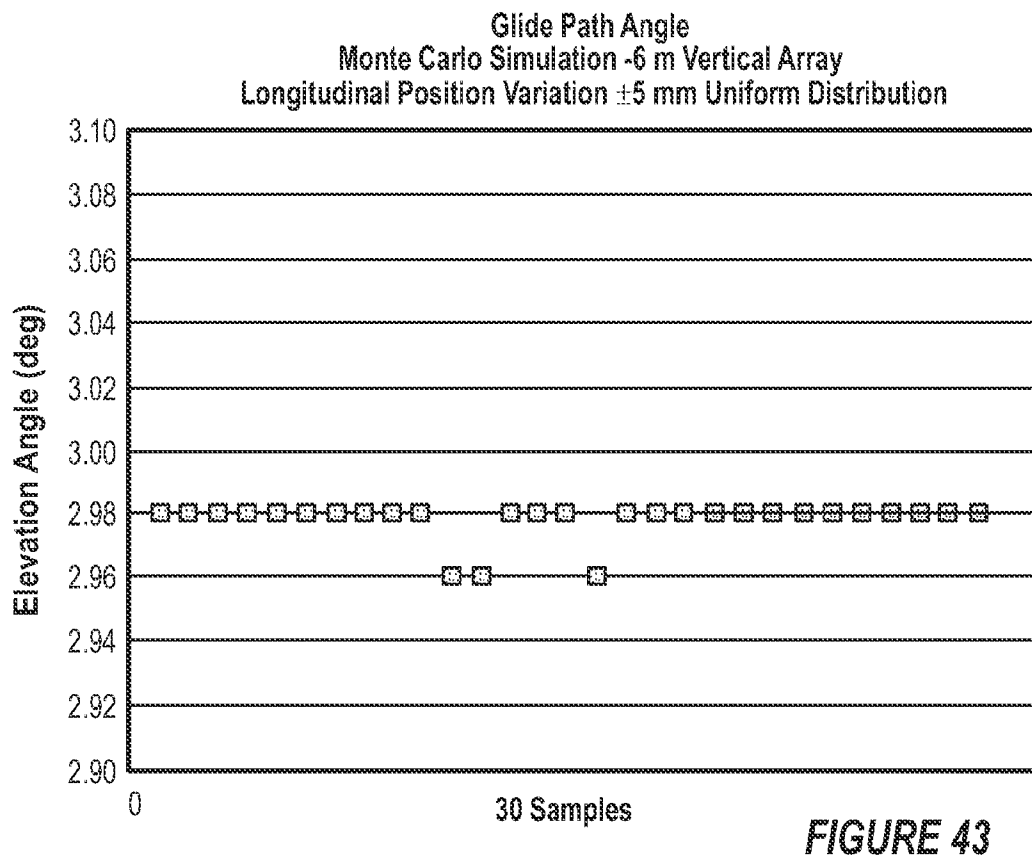
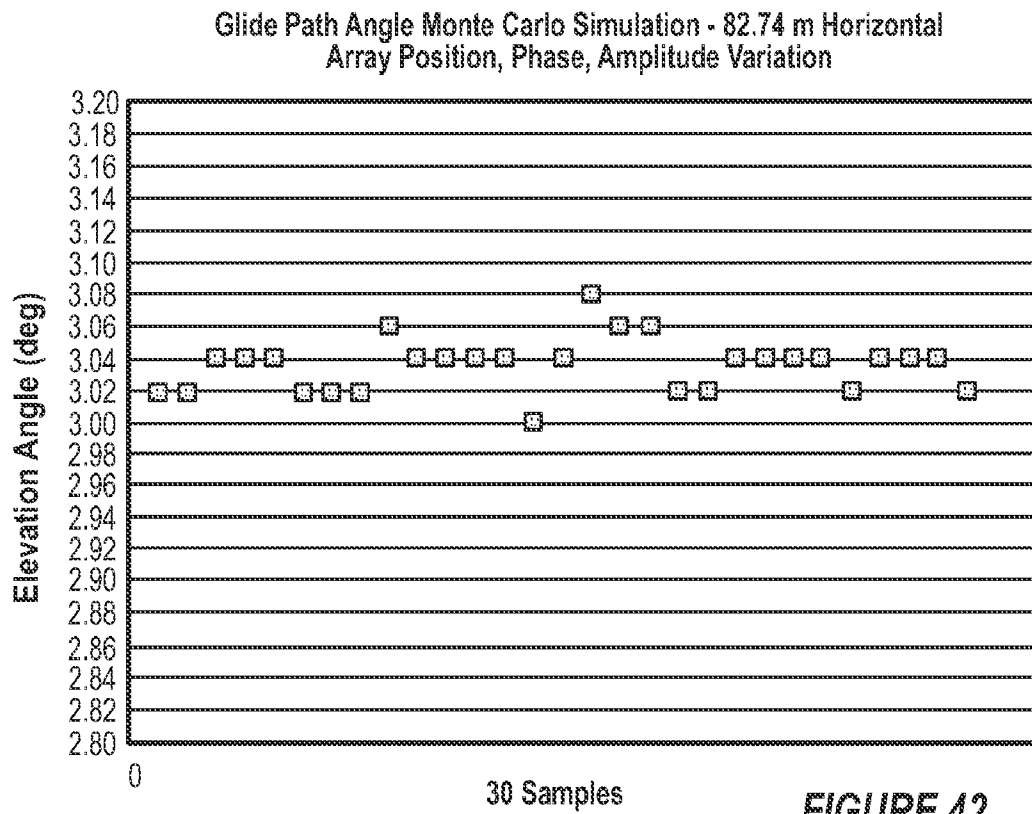


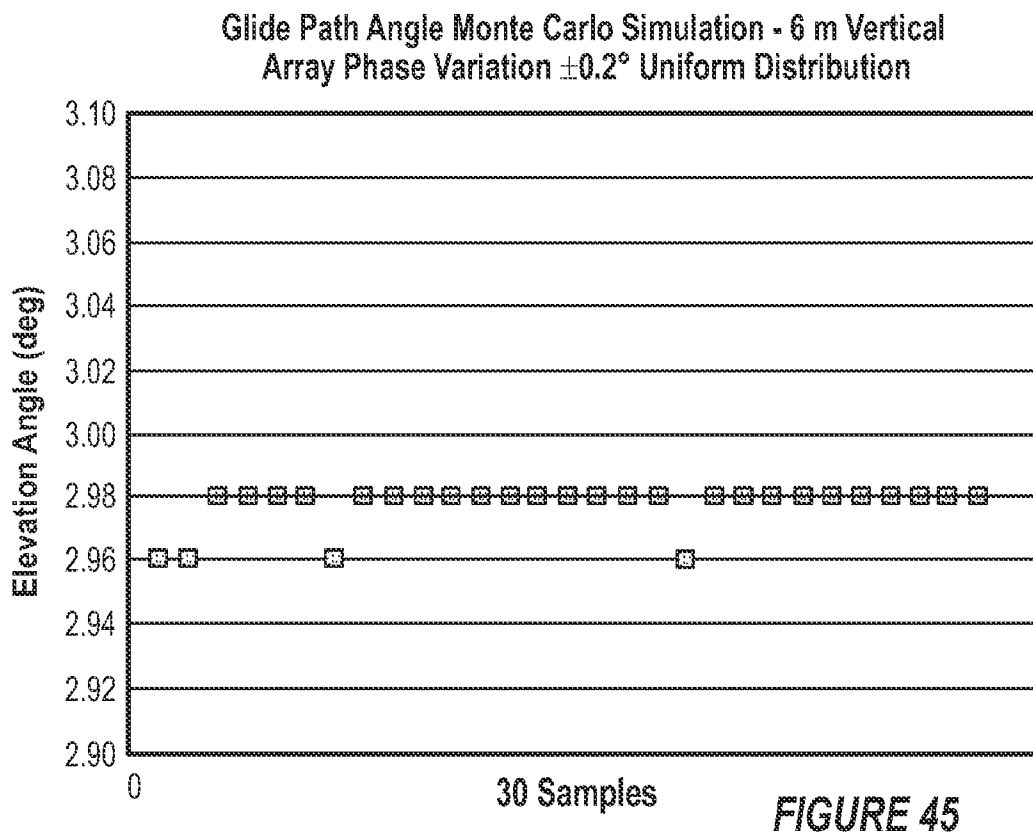
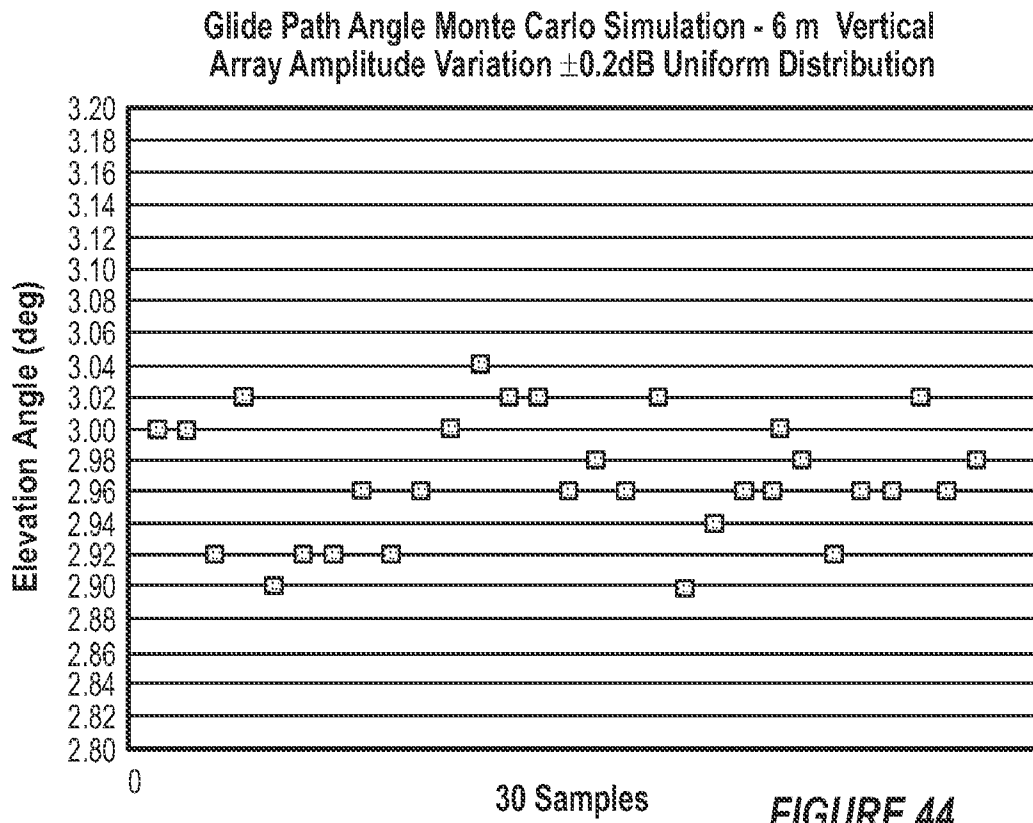
FIGURE 38



FIGURE 39







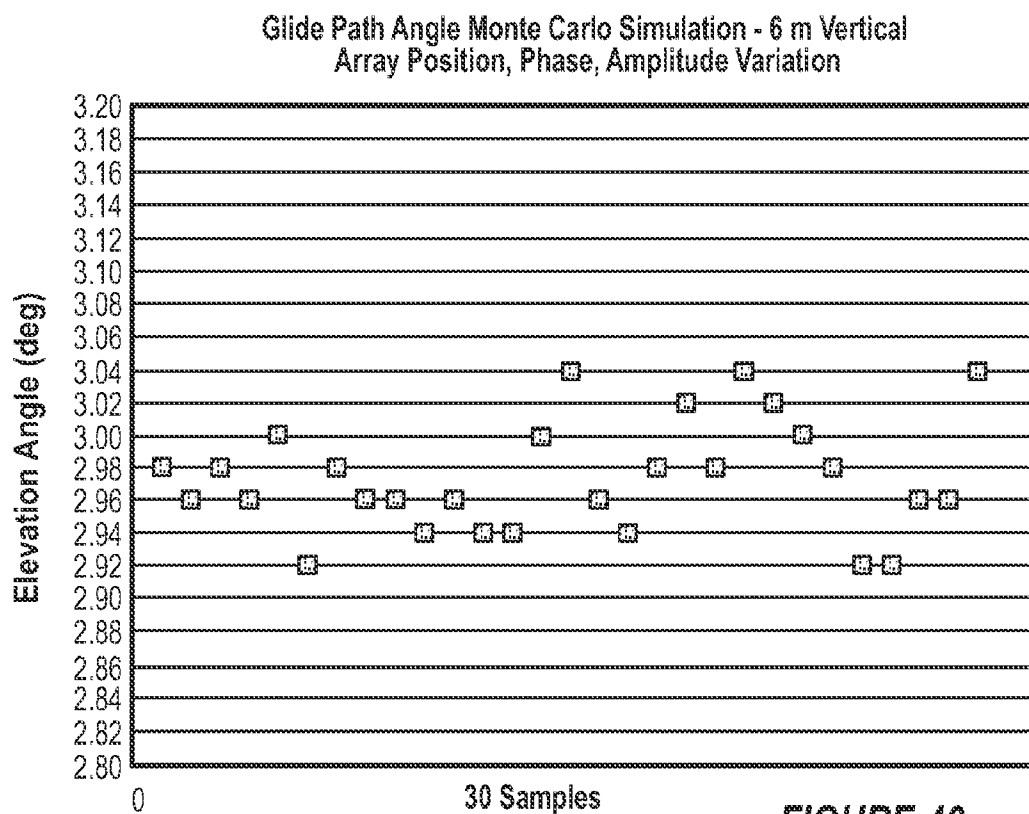


FIGURE 46

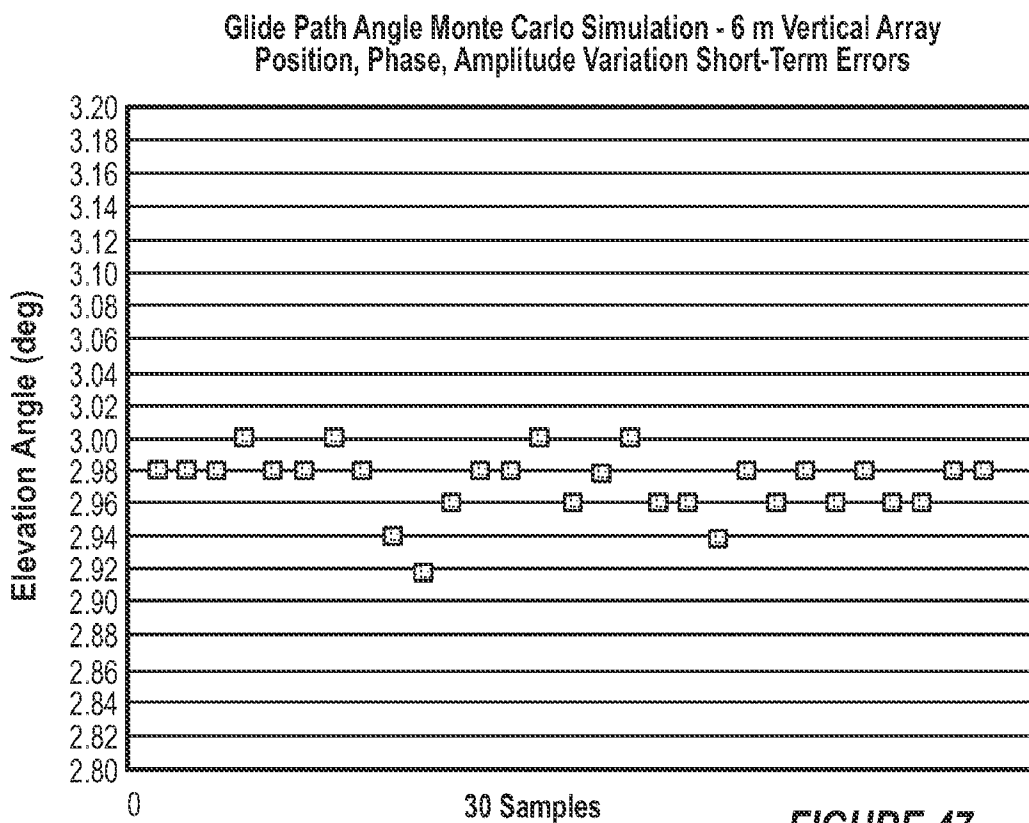
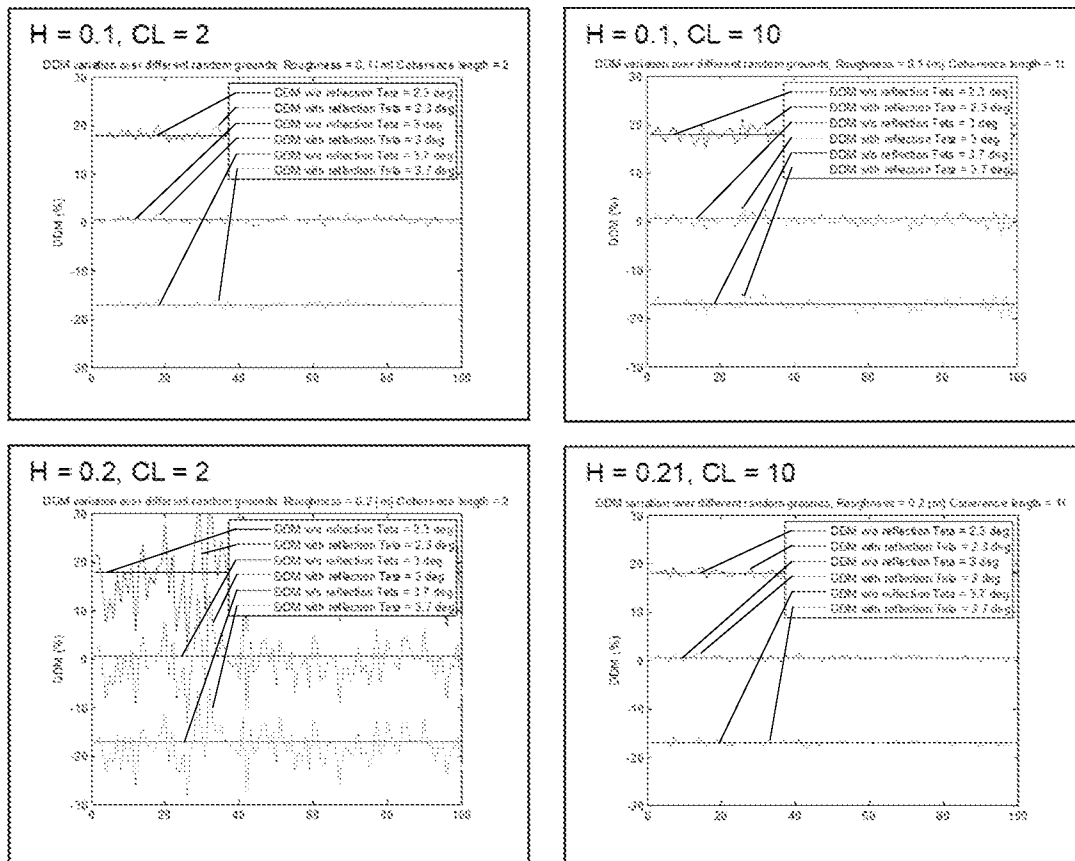
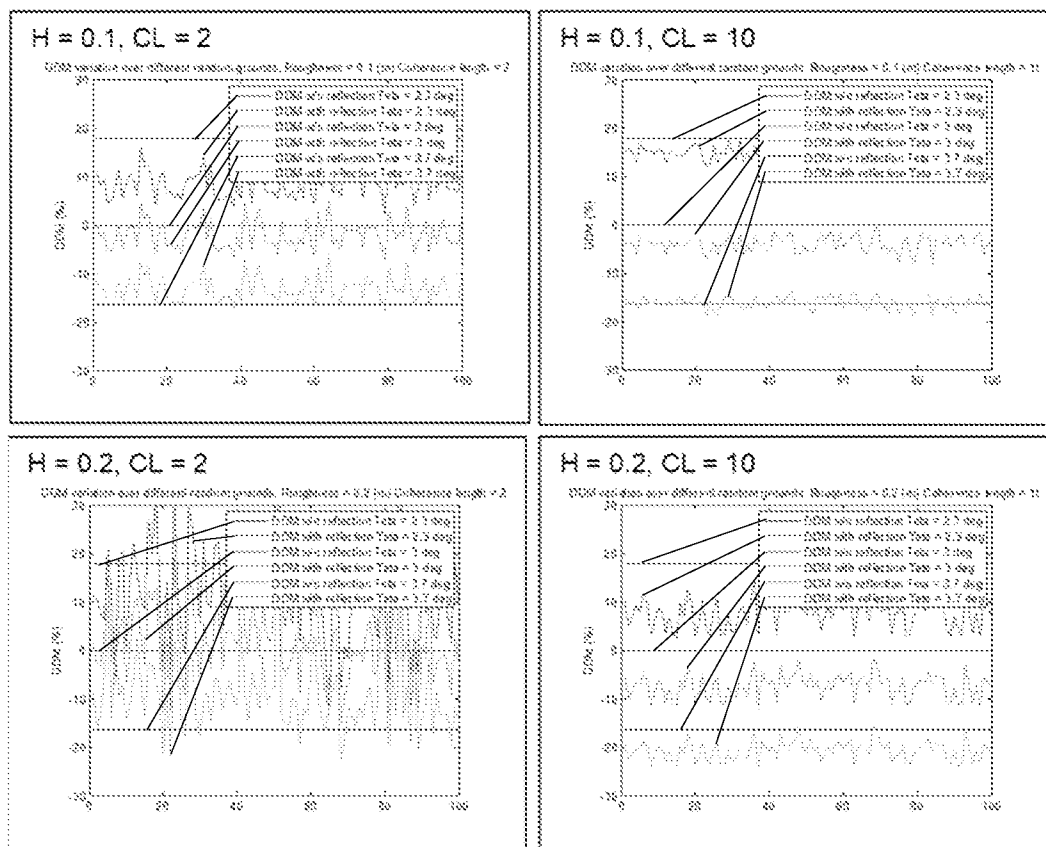
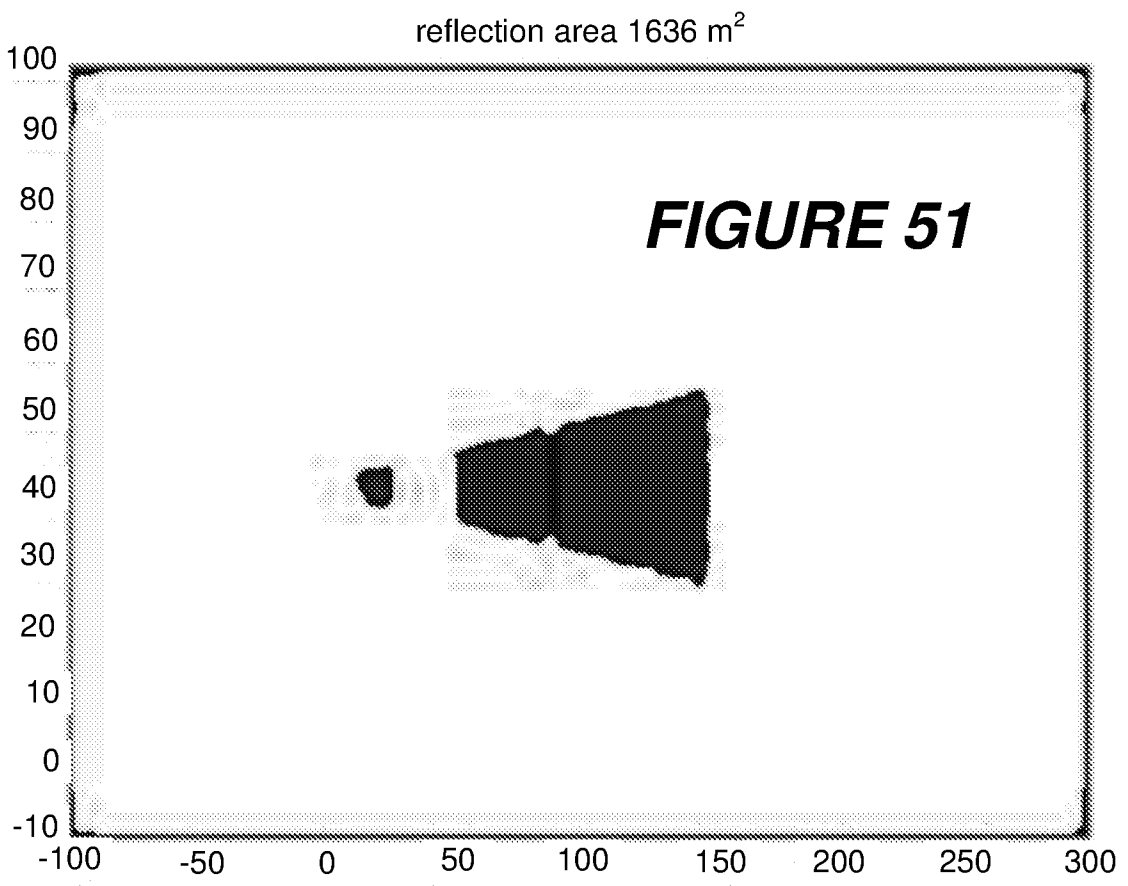
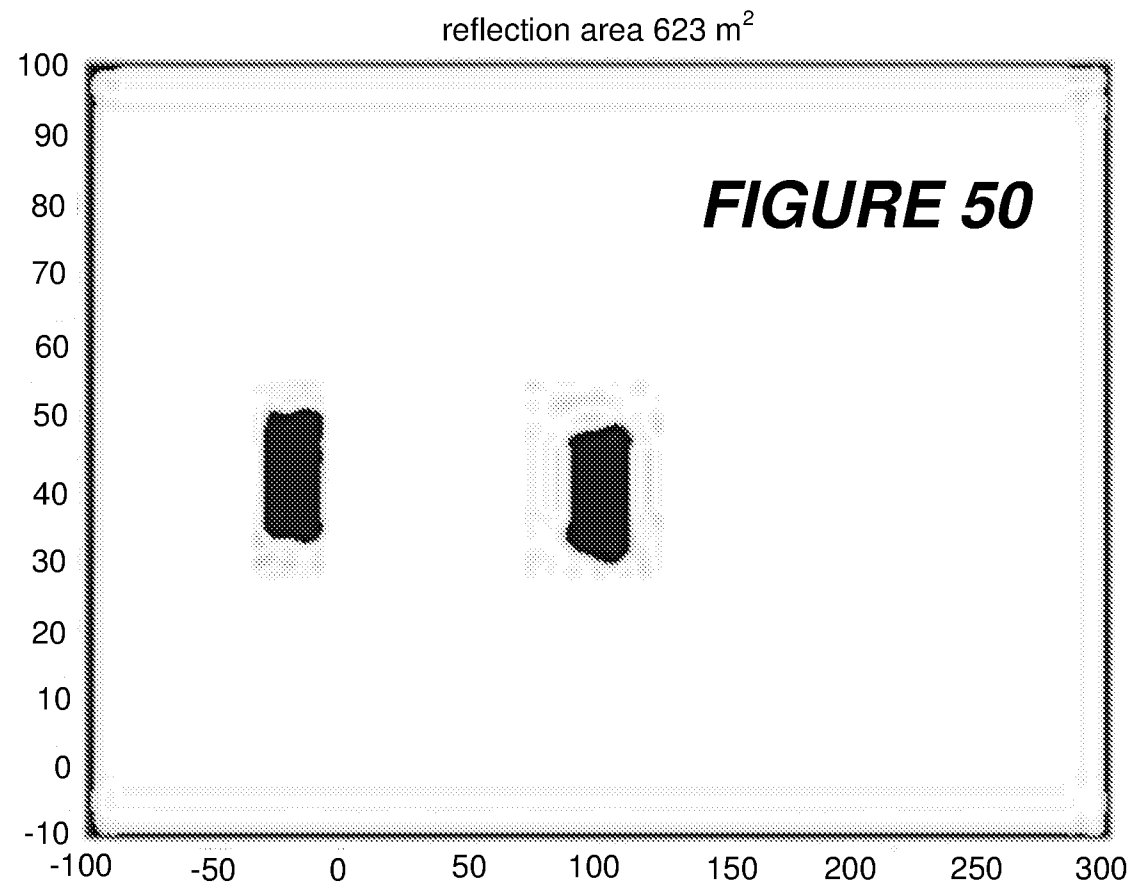


FIGURE 47

**FIGURE 48****FIGURE 49**



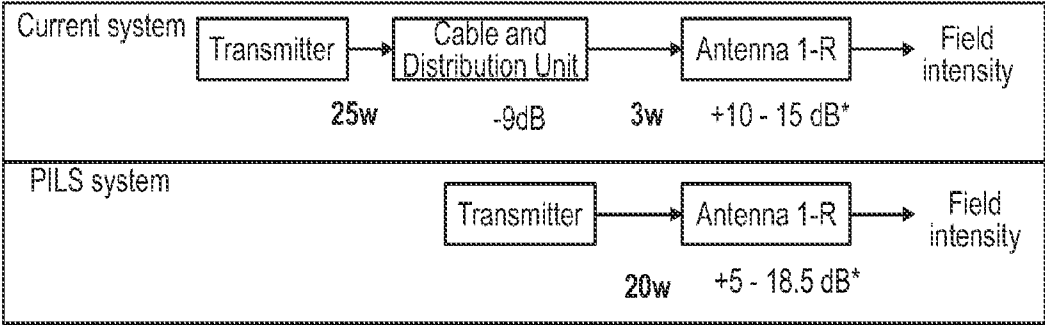


FIGURE 52

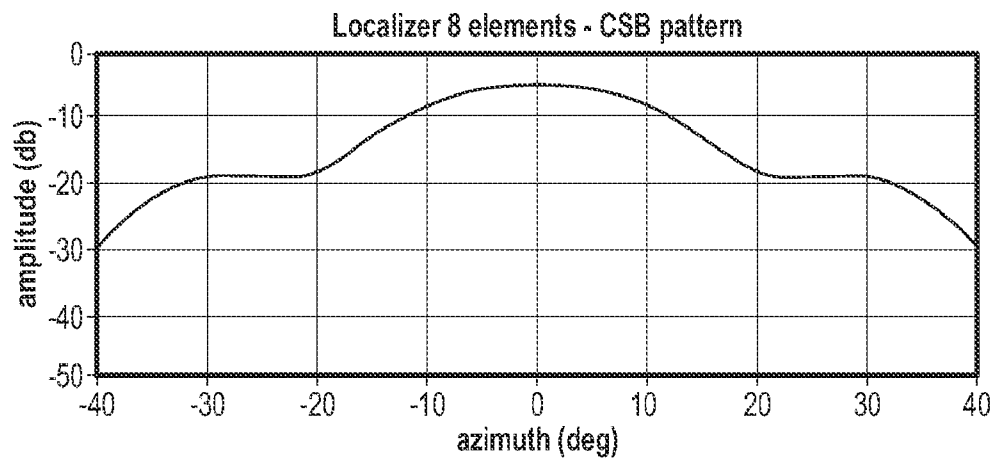


FIGURE 53

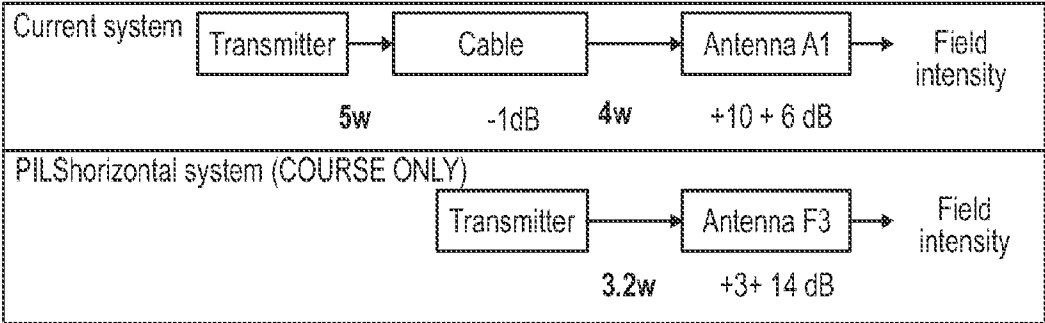


FIGURE 54

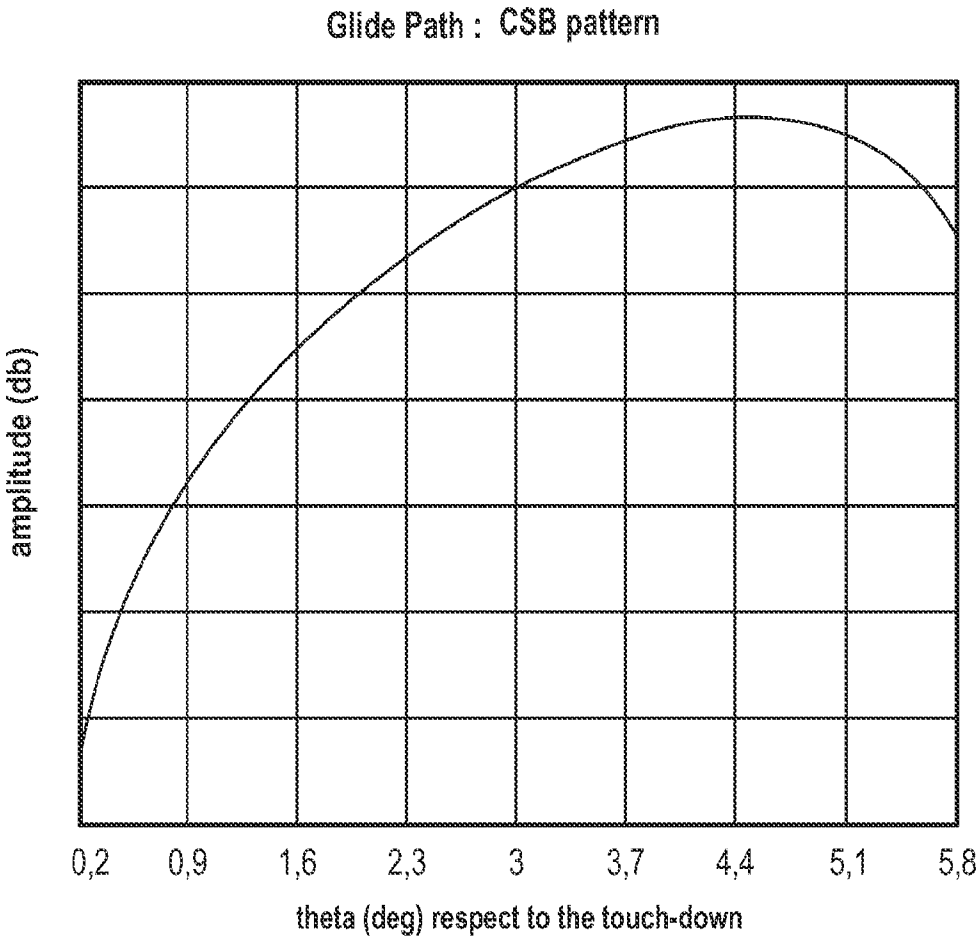


FIGURE 55

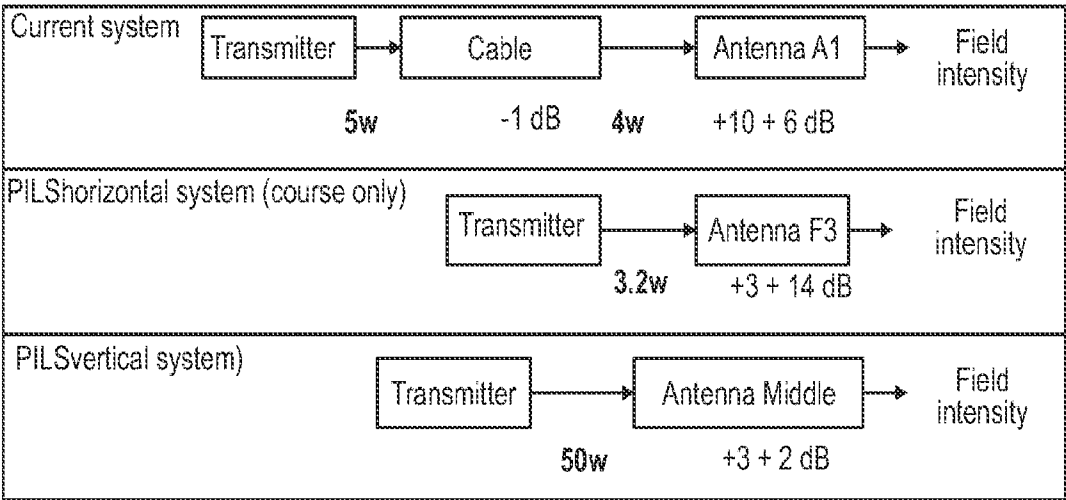


FIGURE 56

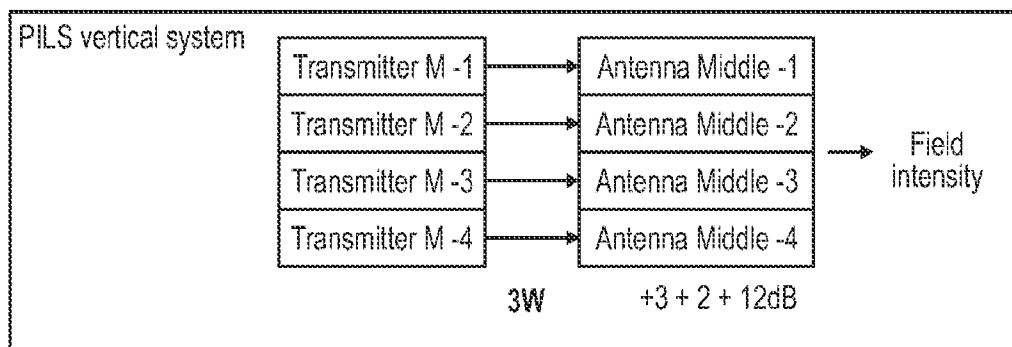


FIGURE 57



FIGURE 58

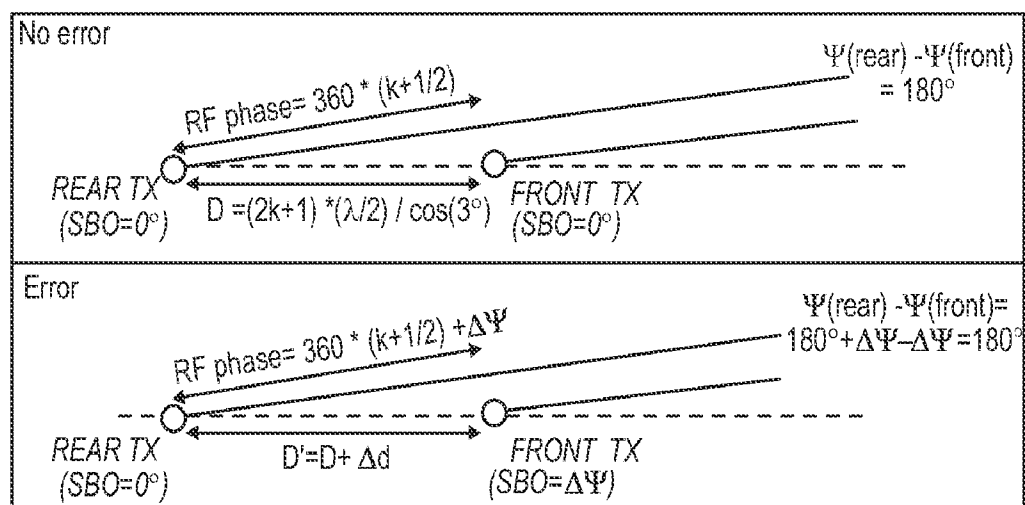


FIGURE 59

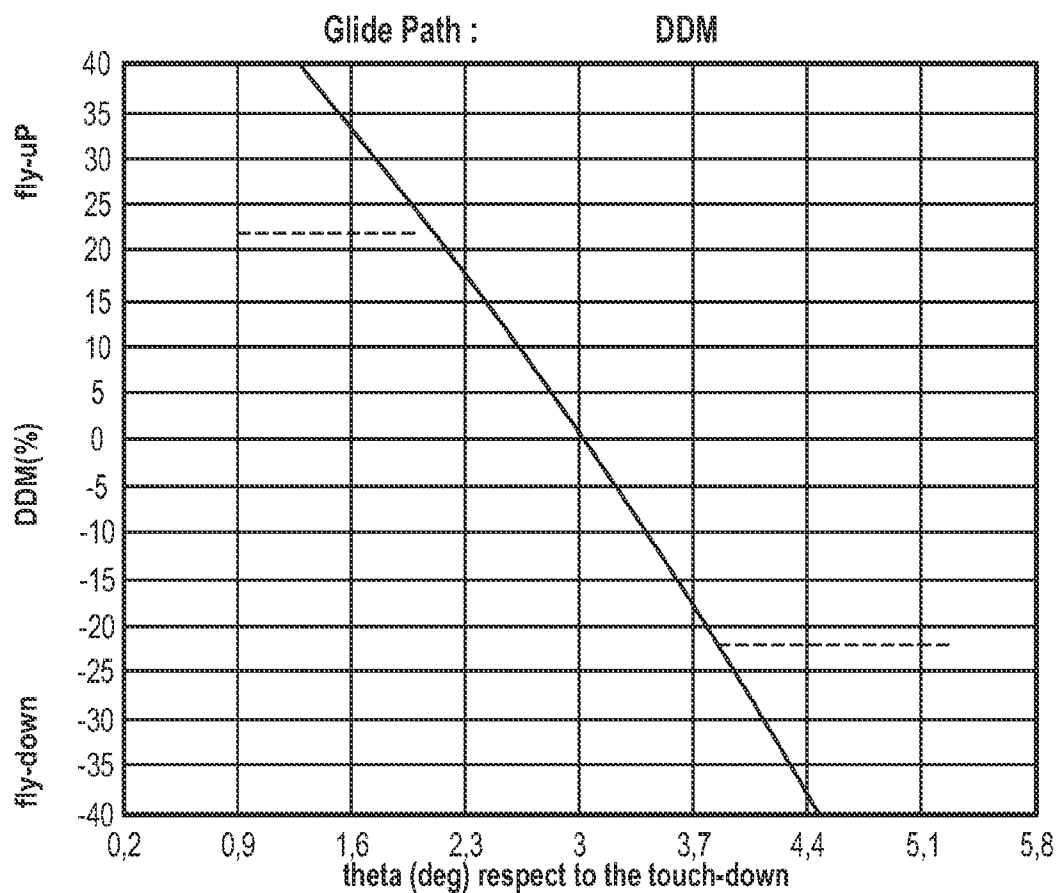


FIGURE 60

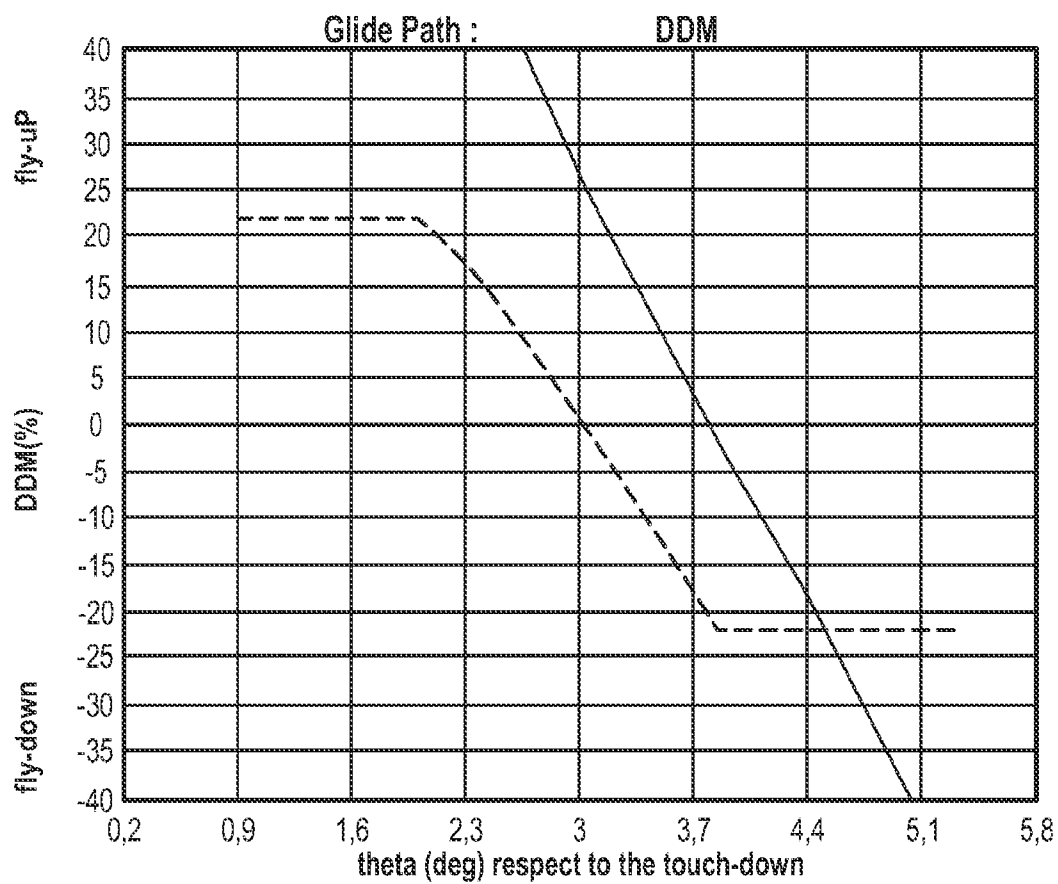


FIGURE 61

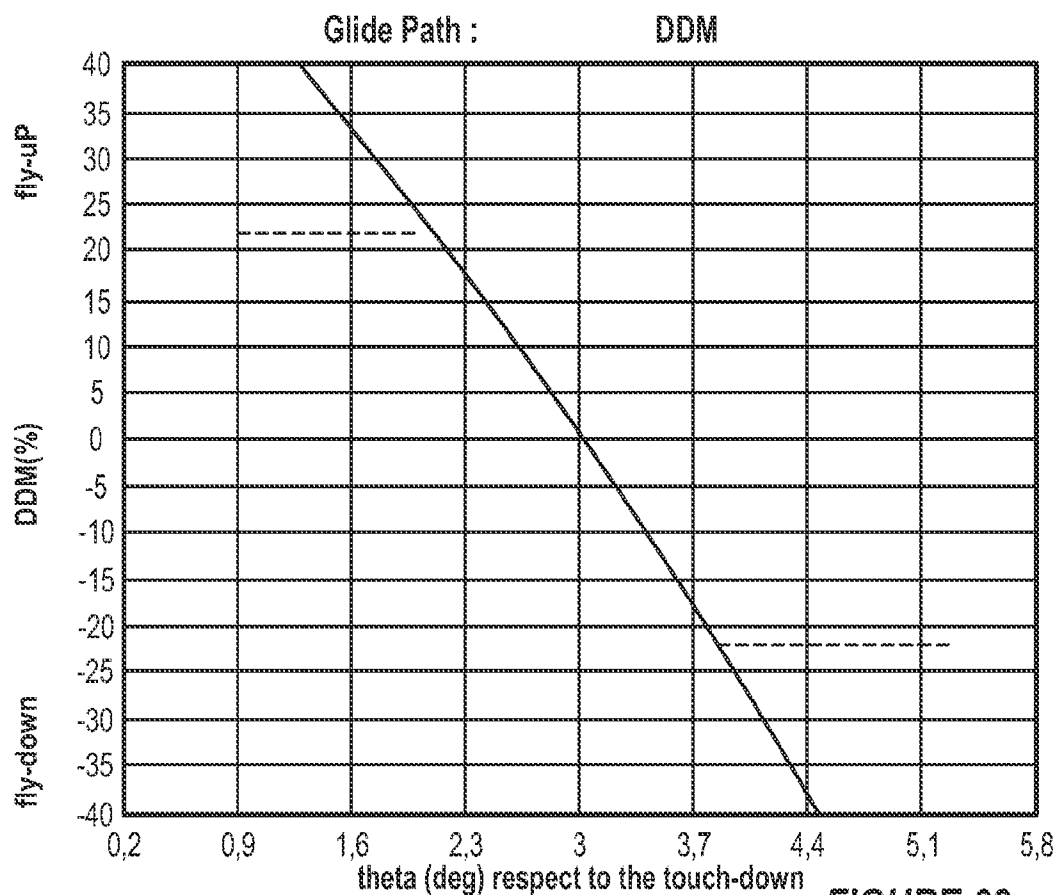


FIGURE 62

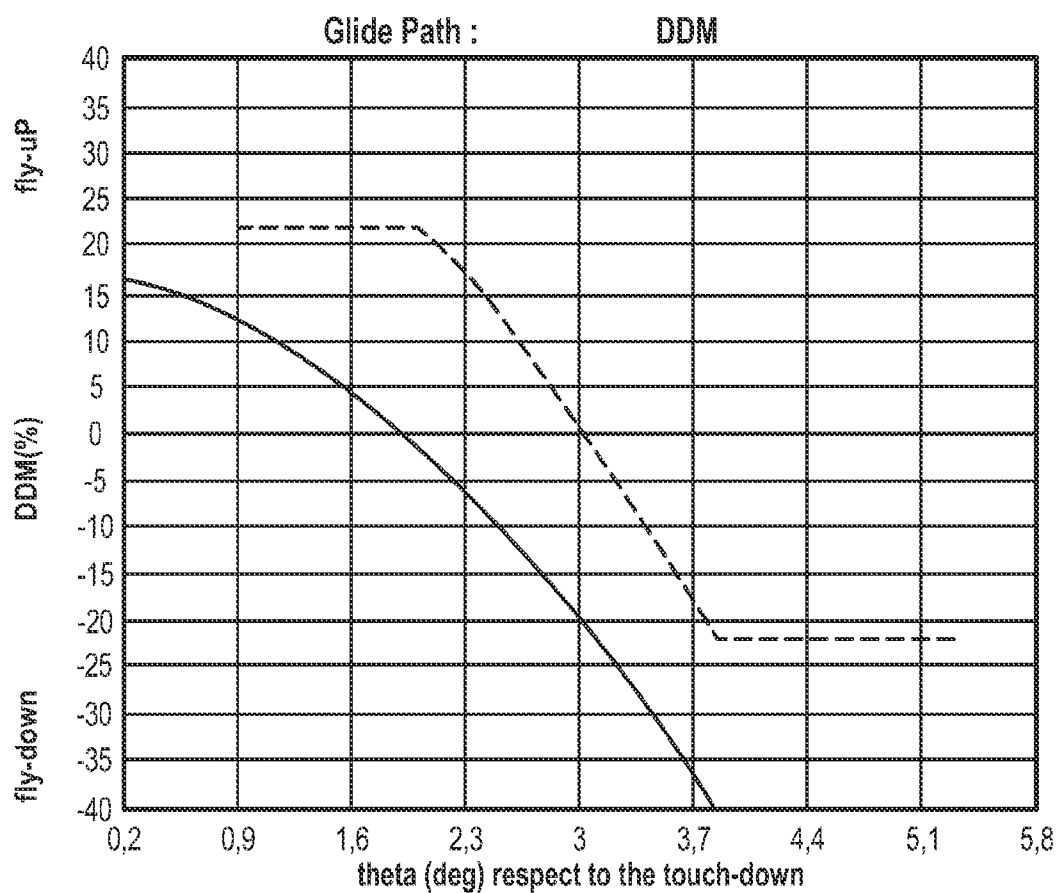


FIGURE 63

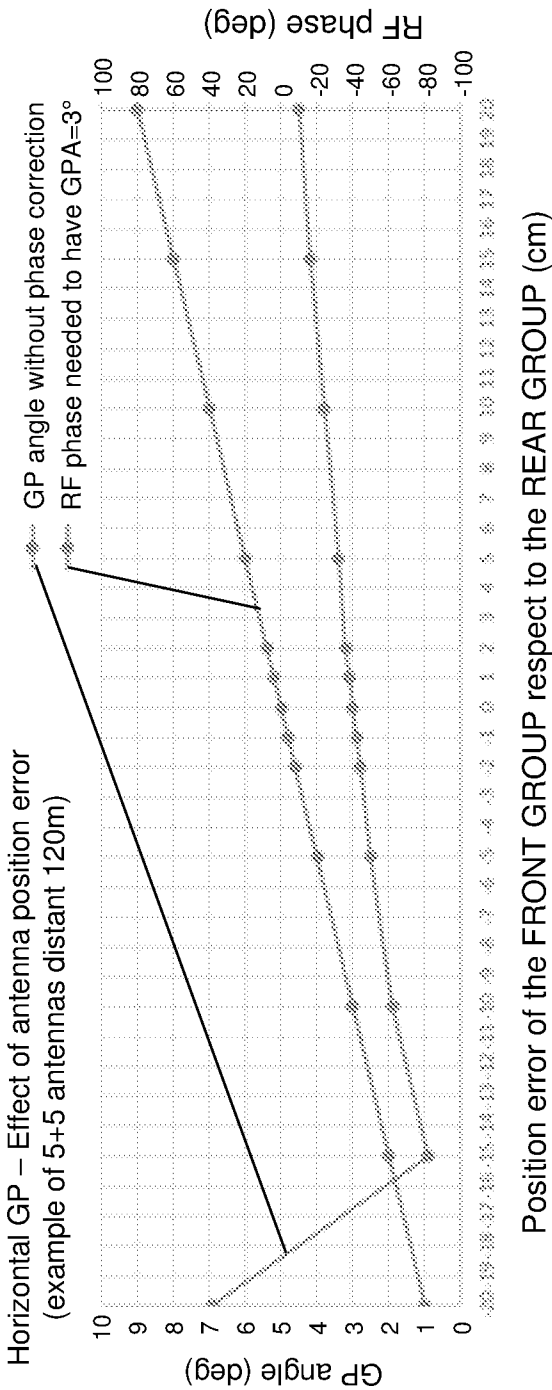


FIGURE 64