

1. Antenna Information

FCC ID: KBCIX-512NM

Internal WLAN Antenna Information

Embedded within the Host GD8000

				802.11 a, b, g,n
Antenna Model	Antenna Part No.	Frequency in GHz	Antenna Type	Antenna Gain Peak (dBi)
GD8000 MAIN - R13M (Right Side of Display)	TW13MWIPI02+C	2.4 – 2.5	Pifa	-1.59 @ 2.40 GHz -0.93 @ 2.45 GHz -2.31 @ 2.50 GHz
GD8000 AUX – R13M (Left side of Display)	TW13MWIPI01+C	2.4 – 2.5	Pifa	-0.82 @ 2.40 GHz -0.29 @ 2.45 GHz -2.13 @ 2.50 GHz
GD8000 MAIN – R13M (Right Side of Display)	TW13MWIPI02+C	5.15 – 5.85	Pifa	4.90 @ 5.150 GHz 1.19 @ 5.250 GHz 1.22 @ 5.350 GHz 0.84 @ 5.470 GHz 0.56 @ 5.597 GHz 1.24 @ 5.725 GHz 2.40 @ 5.785 GHz 0.23 @ 5.850 GHz
GD8000 AUX - R13M (Left side of Display)	TW13MWIPI01+C	5.15 – 5.85	Pifa	4.55 @ 5.150 GHz -0.23 @ 5.250 GHz 0.21 @ 5.350 GHz 0.80 @ 5.470 GHz 2.48 @ 5.597 GHz 2.66 @ 5.725 GHz 3.20 @ 5.785 GHz 1.91 @ 5.850 GHz
External WLAN Antenna Information				
MAXC24505, Magnetic Mount used with GD8000 Vehicle Mount Only				
MAXC24505 Magnetic Mount External Antenna + 17ft LMR195 coaxial cable	46-0103-002R	2.4 – 2.5	Collinear/ closed	5 dBi

The two WLAN antennas are embedded within the GD8000 display housing and are not readily accessible by the end user without the use of tools and removing numerous screws.

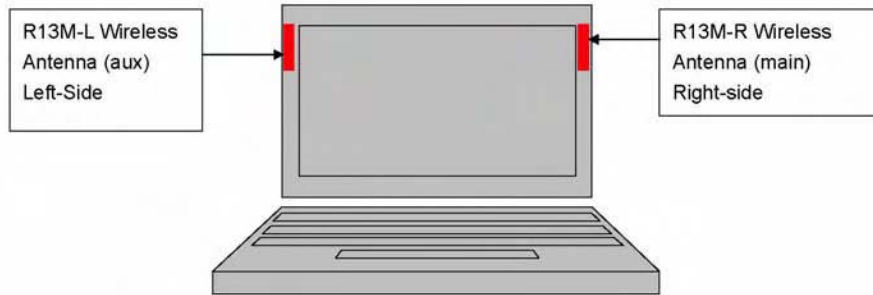
The WLAN MAIN antenna is located on the Ride Upper Side of the Display.

]

The WLAN AUX antenna is located on the Left Upper Side of the Display.

The drawing on the following page depicts the WLAN antenna locations on the GD8000.

2. Antenna placement and Photo

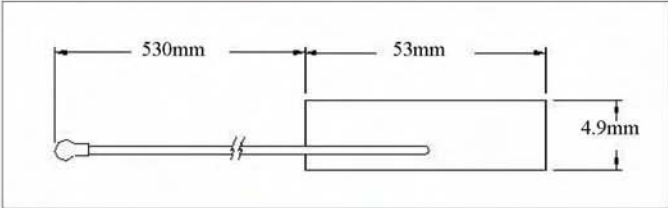


Antenna Assembly Photo



3. Antenna Dimension

3.1 Antenna- (aux) (L53*W4.9*T12.6mm)



3.2 Antenna-R (main) (L53*W4.9*T12.6mm)

