

WWAN (EVDO) Antenna Information

ThinkPad Z60 Series (Z60t)

1. Antenna Specification

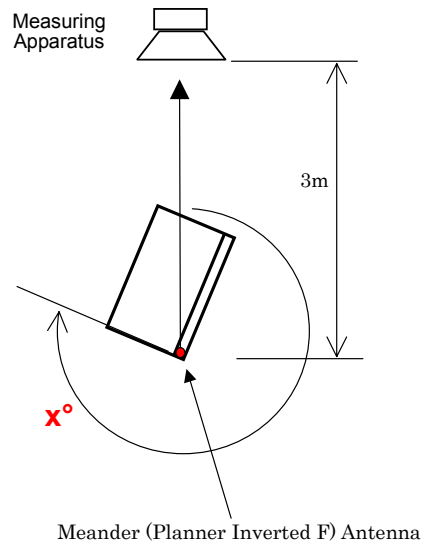
Transmission Antenna assembly overview

Antenna Designator	Host PC	Manufacture	Antenna type	Cable type and length	Peak Gain (dBi) Note 1)
WDAN-BQBV1 003	ThinkPad Z60t (CFRP Hybrid)	FOXCONN HON HAI PRECISION IND. Co., Ltd. (R.O.C.)	Dual Band Meander (Planner Inverted F) Antenna	Coax 300mm	824-849MHz -2.60 dBi (@ 849M)
					1850-1910MHz -2.54 dBi (@1850M)
	ThinkPad Z60t (CFRP Aluminum)	FOXCONN HON HAI PRECISION IND. Co., Ltd. (R.O.C.)	Dual Band Meander (Planner Inverted F) Antenna	Coax 300mm	824-849MHz -2.52 dBi (@ 849M)
					1850-1910MHz -1.69 dBi (@1850M)

2. Radiation characteristic of antennas

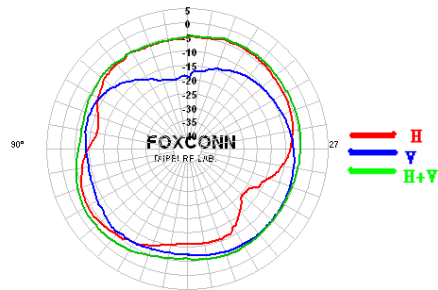
Radiation characteristic of antenna is measured in regard to the rotation angle x° as shown below.

ThinkPad Z60t Antenna (LCD Right)



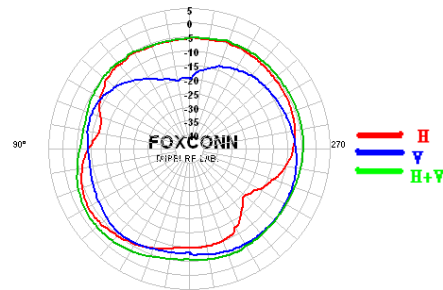
2.2 Radiation characteristic of ThinkPad Z60t (CFRP Hybrid)

824MHz



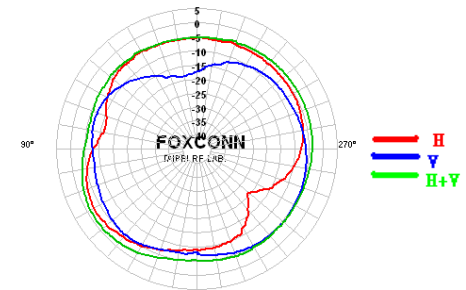
Hori (dBi) ave. -6.96
Vert (dBi) ave. -8.36
H+V (dBi) ave. -4.62
Peak (dBi) (H) -3.82
Peak angle (deg) 198

836MHz



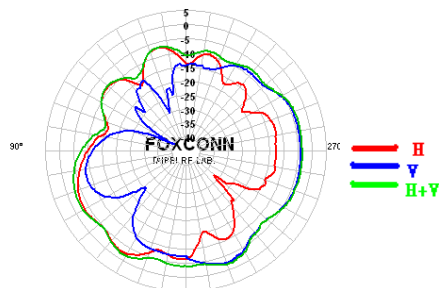
Hori (dBi) ave. -6.92
Vert (dBi) ave. -8.25
H+V (dBi) ave. -4.55
Peak (dBi) (H) -3.39
Peak angle (deg) 56

849MHz



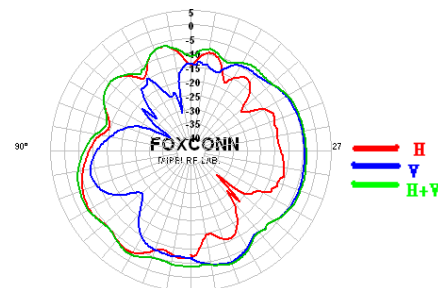
Hori (dBi) ave. -6.51
Vert (dBi) ave. -7.38
H+V (dBi) ave. -3.94
Peak (dBi) (H) -2.6
Peak angle (deg) 56

1850MHz



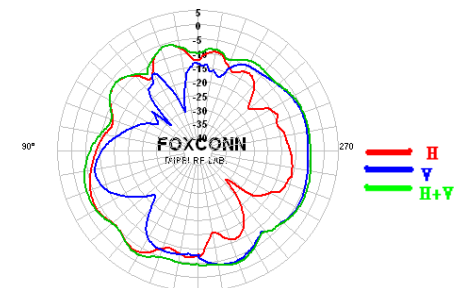
Hori (dBi) ave. -8.91
Vert (dBi) ave. -7.87
H+V (dBi) ave. -5.37
Peak (dBi) (V) -2.54
Peak angle (deg) 341

1880MHz



Hori (dBi) ave. -8.74
Vert (dBi) ave. -7.87
H+V (dBi) ave. -5.37
Peak (dBi) (V) -2.84
Peak angle (deg) 342

1910MHz

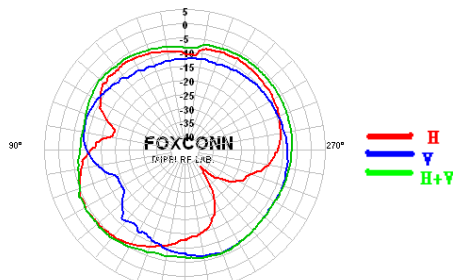


Hori (dBi) ave. -8.79
Vert (dBi) ave. -8.21
H+V (dBi) ave. -5.51
Peak (dBi) (H) -2.99
Peak angle (deg) 34

Prepared by T. Murota

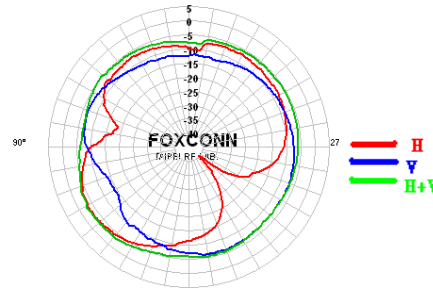
2.3 Radiation characteristic of ThinkPad Z60t (CFRP Aluminum)

824MHz



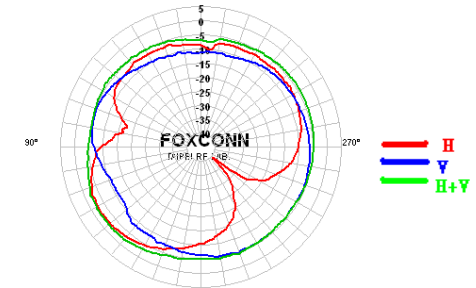
Hori (dBi) ave. -9.04
Vert (dBi) ave. -9.72
H+V (dBi) ave. -6.38
Peak (dBi) (V) -3.77
Peak angle (deg) 59

836MHz



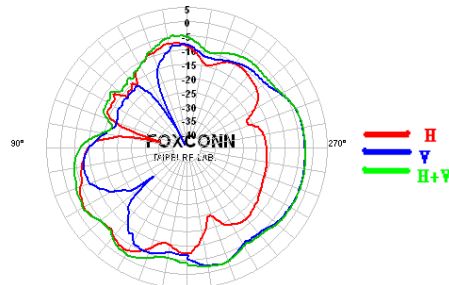
Hori (dBi) ave. -8.39
Vert (dBi) ave. -8.80
H+V (dBi) ave. -5.60
Peak (dBi) (H) -2.99
Peak angle (deg) 59

849MHz



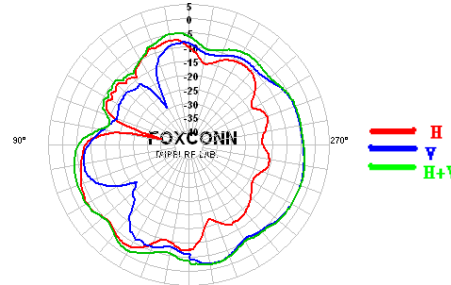
Hori (dBi) ave. -7.67
Vert (dBi) ave. -7.40
H+V (dBi) ave. -4.55
Peak (dBi) (V) -2.52
Peak angle (deg) 59

1850MHz



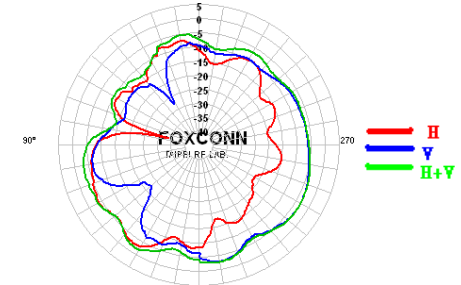
Hori (dBi) ave. -9.26
Vert (dBi) ave. -6.54
H+V (dBi) ave. -4.70
Peak (dBi) (V) -1.69
Peak angle (deg) 344

1880MHz



Hori (dBi) ave. -9.27
Vert (dBi) ave. -6.85
H+V (dBi) ave. -4.91
Peak (dBi) (V) -1.92
Peak angle (deg) 347

1910MHz



Hori (dBi) ave. -9.74
Vert (dBi) ave. -7.65
H+V (dBi) ave. -5.59
Peak (dBi) (V) -2.8
Peak angle (deg) 350

3. Host PC Information

ThinkPad Z60t Series



4. Exterior Photos of Antennas

WWAN Main Antenna of ThinkPad Z60t:
WDAN-BQBV1003

