

Raptor Regulatory Antenna Information

Raptor Antenna Information

I. Antenna Assembly Specifications

Antenna assembly overview: Peak Gain including cable loss.

Designator	Manufacture	Antenna type	Cable Assembly Info.	Peak Gain W/ Cable loss (dBi)
(P/N:HAS-03-115) Main antenna	Hitachi Cable	Film Antenna	(P/N: U.FL-2LP) 50 ohm Coaxial. length: 175mm diameter: 1.1mm Connector: U.FL	2400-2500MHz 1.53 dBi (peak)
				5150-5350MHz 3.38 dBi (peak)
				5470-5725MHz 3.56 dBi (peak)
				5725-5850MHz 3.16 dBi (peak)
(P/N: HAS-03-116) Auxiliary antenna	Hitachi Cable	Film Antenna	(P/N: U.FL-2LP) 50 ohm Coaxial. length: 165mm diameter: 1.1mm Connector: U.FL	2400-2500MHz -3.86 dBi (peak)
				5150-5350MHz 3.50 dBi (peak)
				5470-5725MHz 3.65 dBi (peak)
				5725-5850MHz 3.20 dBi (peak)

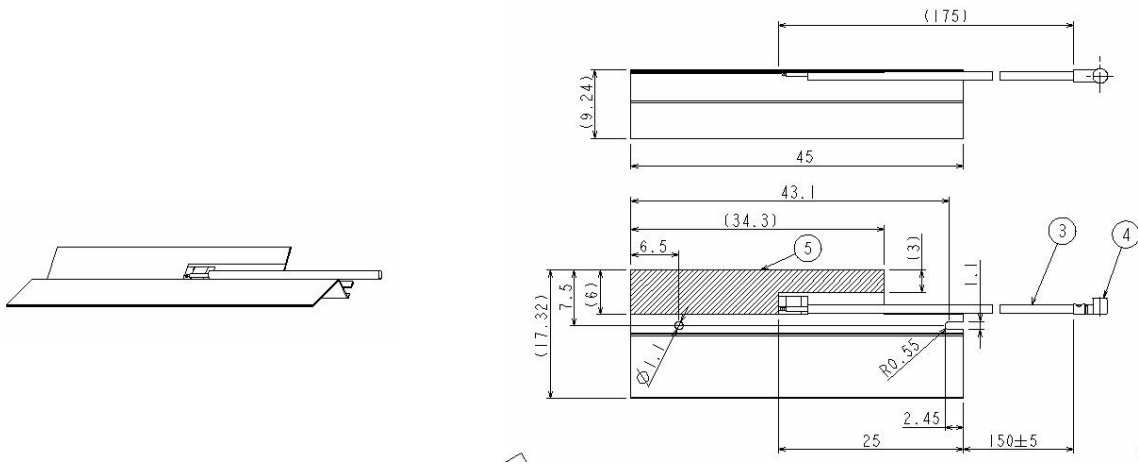
Antenna overview: Peak Gain not including cable loss.

Antenna Designator	Manufacture	Antenna type	Peak Gain w/o Cable Loss (dBi)
(P/N: HAS-03-115) Main antenna	Hitachi Cable	Film Antenna	2400-2500MHz 2.04 dBi (peak)
			5150-5350MHz 4.20 dBi (peak)
			5470-5725MHz 4.38 dBi (peak)
			5725-5850MHz 3.98 dBi (peak)
(P/N: HAS-03-116) Auxiliary antenna	Hitachi Cable	Film Antenna	2400-2500MHz -3.38 dBi (peak)
			5150-5350MHz 4.28 dBi (peak)
			5470-5725MHz 4.43 dBi (peak)
			5725-5850MHz 3.98 dBi (peak)

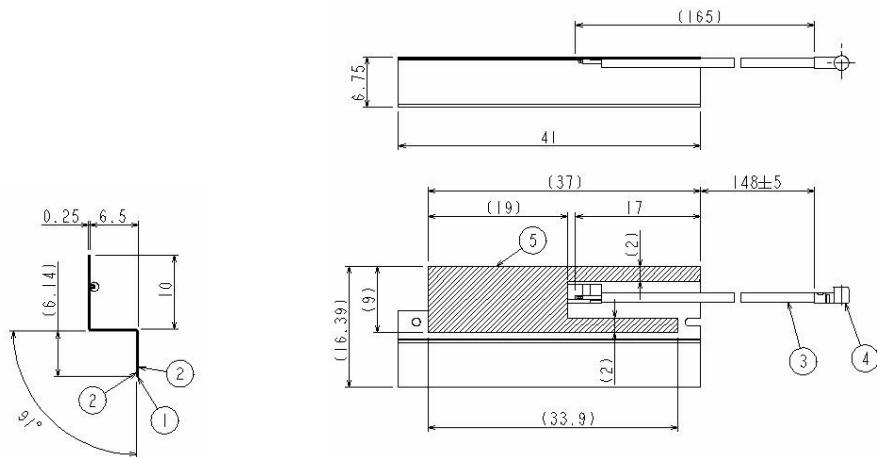
Cable assembly overview: Cable loss (including connector).

Designator	Manufacture	Cable type and length	VSWR	Cable Loss (dBi)
(P/N: HAS-03-115) For use with the Main antenna	Hitachi Cable	(P/N: U.FL-2LP) 50 ohm Coaxial. length: 175mm diameter: 1.1mm Connector: U.FL	2400-2500MHz 1.40 max	2400-2500MHz 0.51 dBi (peak)
			5150-5350MHz 1.60 max	5150-5350MHz 0.82 dBi (peak)
			5470-5725MHz 1.84 max	5470-5725MHz 0.82 dBi (peak)
			5725-5850MHz 2.04max	5725-5850MHz 0.82 dBi (peak)
(P/N: HAS-03-116) For use with the Auxiliary antenna	Hitachi Cable	(P/N: U.FL-2LP) 50 ohm Coaxial. length: 165mm diameter: 1.1mm Connector: U.FL	2400-2500MHz 1.63 max	2400-2500MHz 0.48 dBi (peak)
			5150-5350MHz 1.50 max	5150-5350MHz 0.78 dBi (peak)
			5470-5725MHz 1.18 max	5470-5725MHz 0.78 dBi (peak)
			5725-5850MHz 1.37 max	5725-5850MHz 0.78 dBi (peak)

Please insert mechanical drawings of antennae here.



Main Antenna

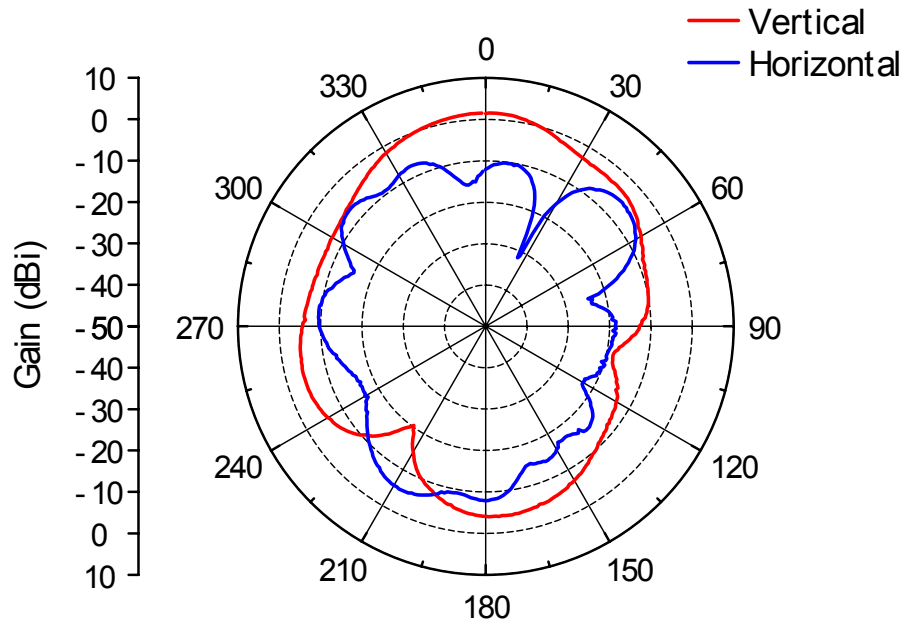


Auxiliary Antenna

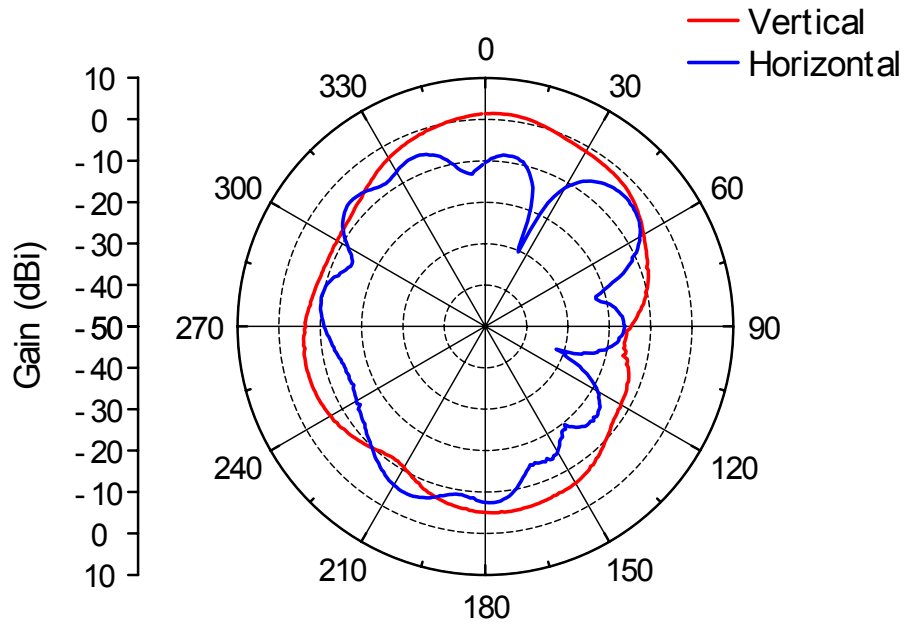
Radiation characteristic of antennae Loaded (In Host System)

2400-2500MHz radiation characteristic

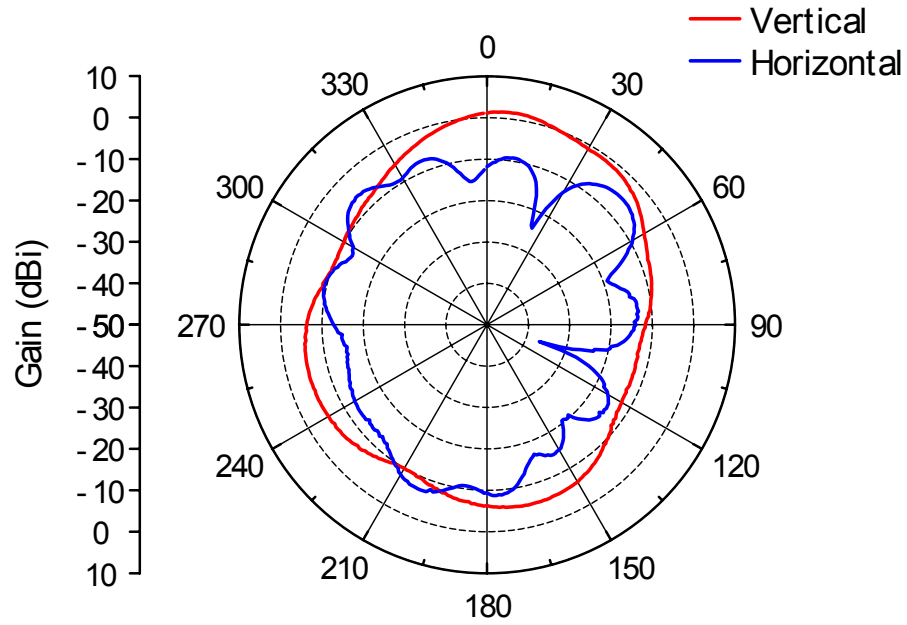
Main antenna: 2400 MHz



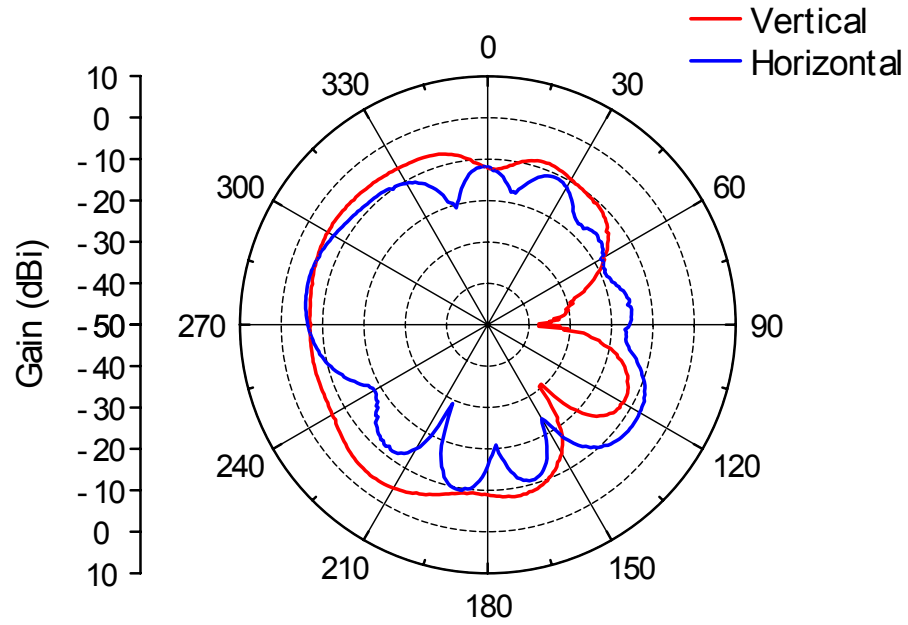
Center Frequency	2400 MHz
Horizontal (dBi) peak	-5.46
Vertical (dBi) peak	1.53
Horz+Vert (dBi) peak	X.XX

Main antenna: 2450 MHz

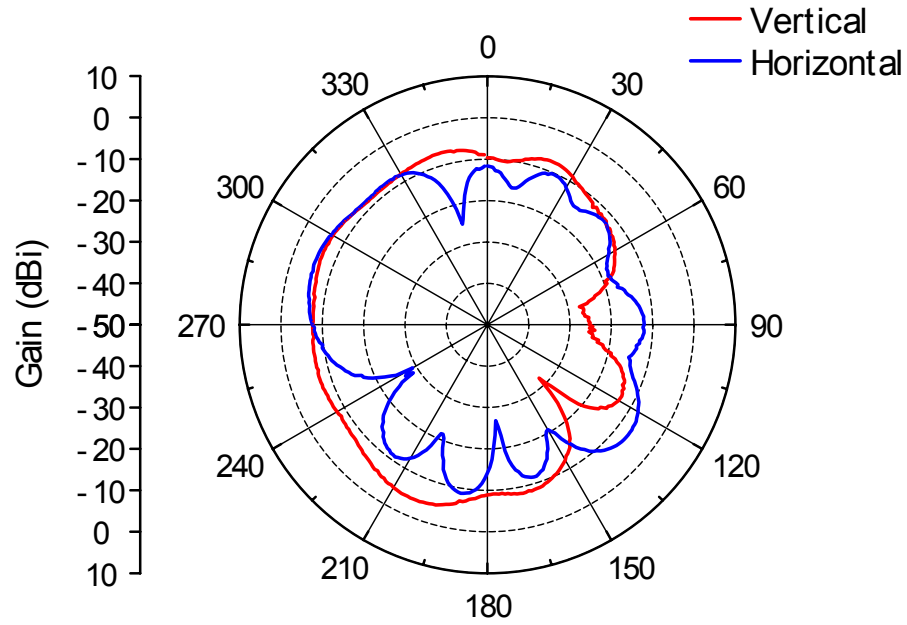
Center Frequency	2450 MHz
Horizontal (dBi) peak	-3.93
Vertical (dBi) peak	1.47
Horz+Vert (dBi) peak	X.XX

Main antenna: 2500 MHz

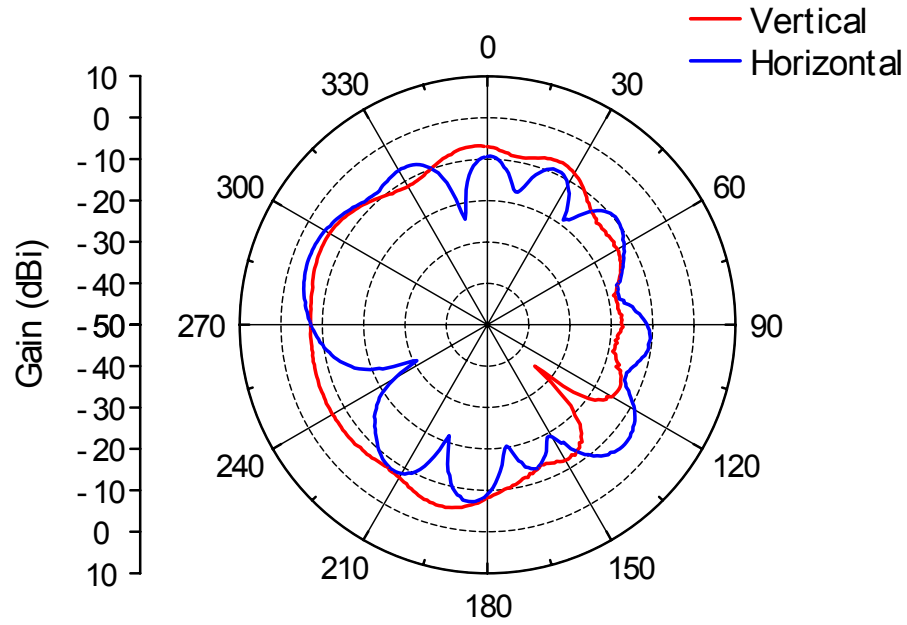
Center Frequency	2500 MHz
Horizontal (dBi) peak	-5.36
Vertical (dBi) peak	1.50
Horz+Vert (dBi) peak	X.XX

Auxiliary antenna: 2400 MHz

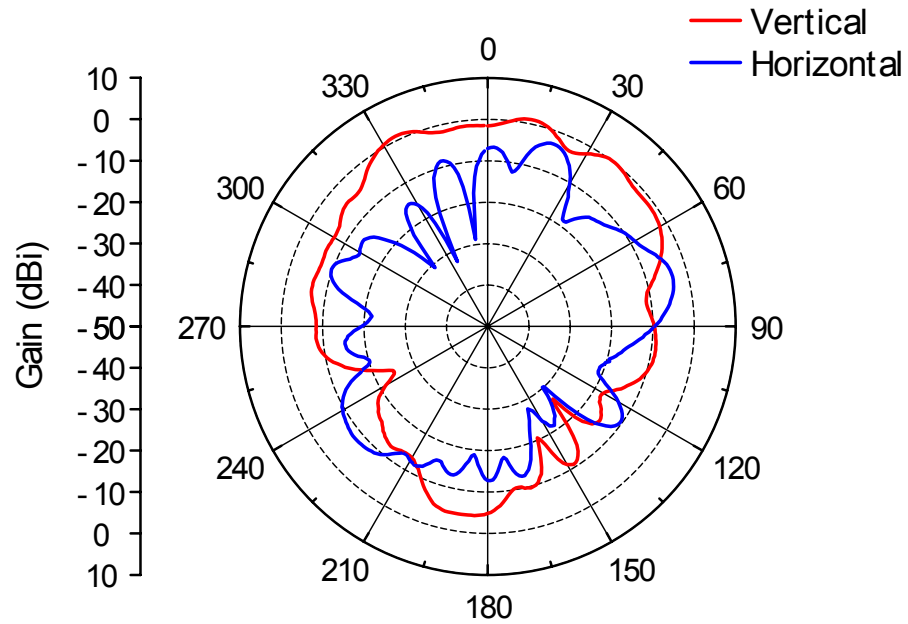
Center Frequency	2400 MHz
Horizontal (dBi) peak	-5.35
Vertical (dBi) peak	-3.86
Horz+Vert (dBi) peak	X.XX

Auxiliary antenna: 2450 MHz

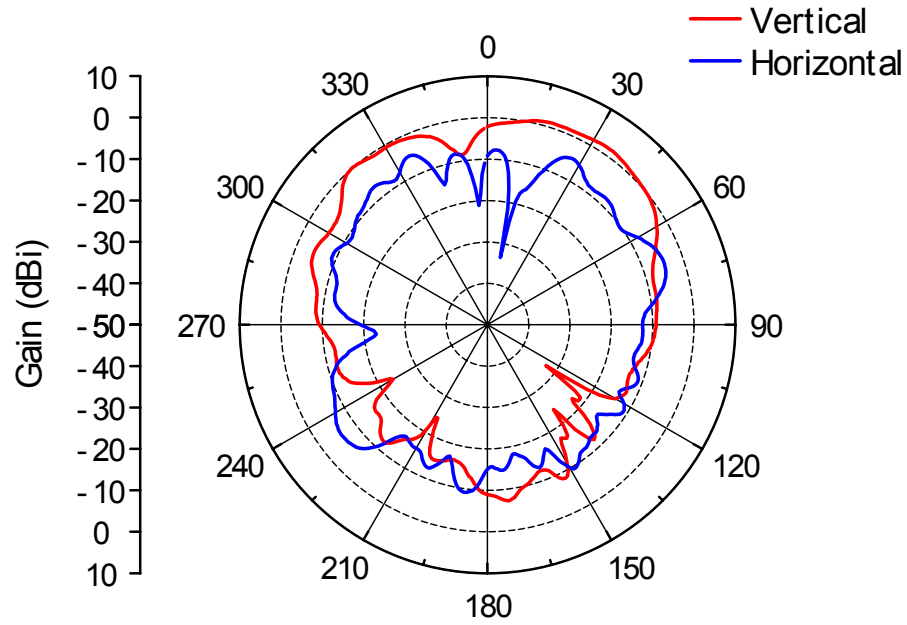
Center Frequency	2450 MHz
Horizontal (dBi) peak	-5.58
Vertical (dBi) peak	-4.21
Horz+Vert (dBi) peak	X.XX

Auxiliary antenna: 2500 MHz

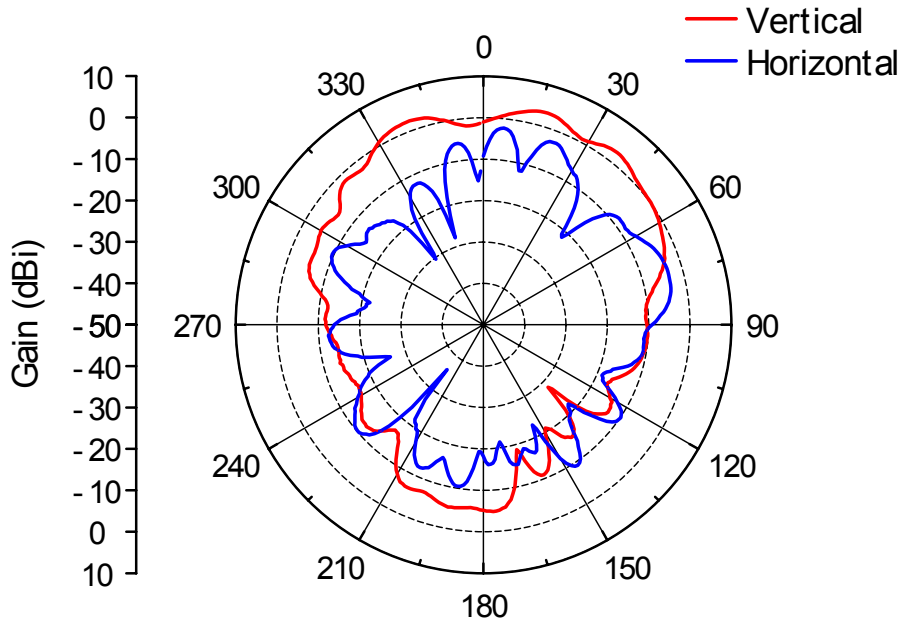
Center Frequency	2500 MHz
Horizontal (dBi) peak	-3.94
Vertical (dBi) peak	-4.74
Horz+Vert (dBi) peak	X.XX

5150-5135 MHz radiation characteristic**Main antenna: 5150 MHz**

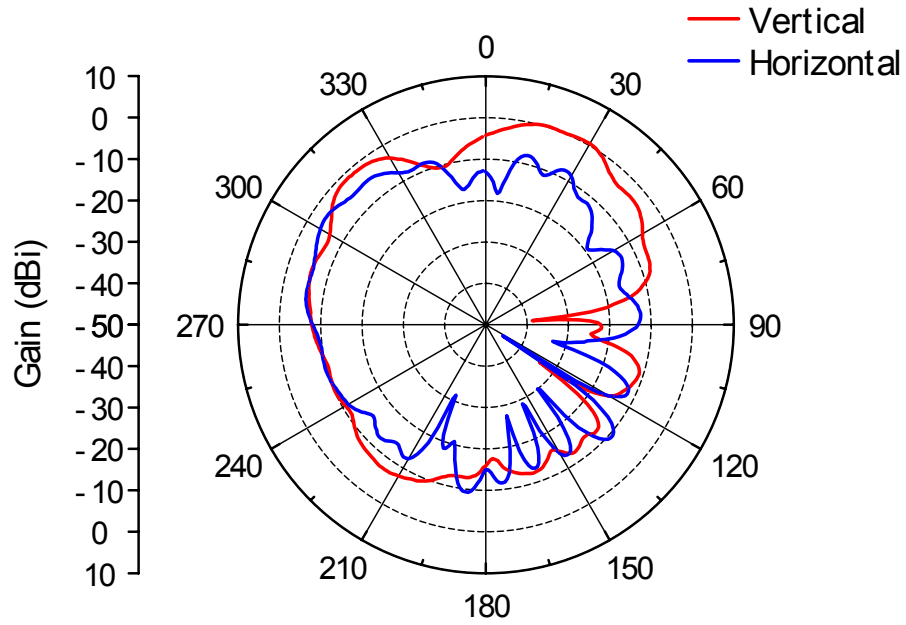
Center Frequency	5150 MHz
Horizontal (dBi) peak	-3.17
Vertical (dBi) peak	1.03
Horz+Vert (dBi) peak	X.XX

Main antenna: 5250 MHz

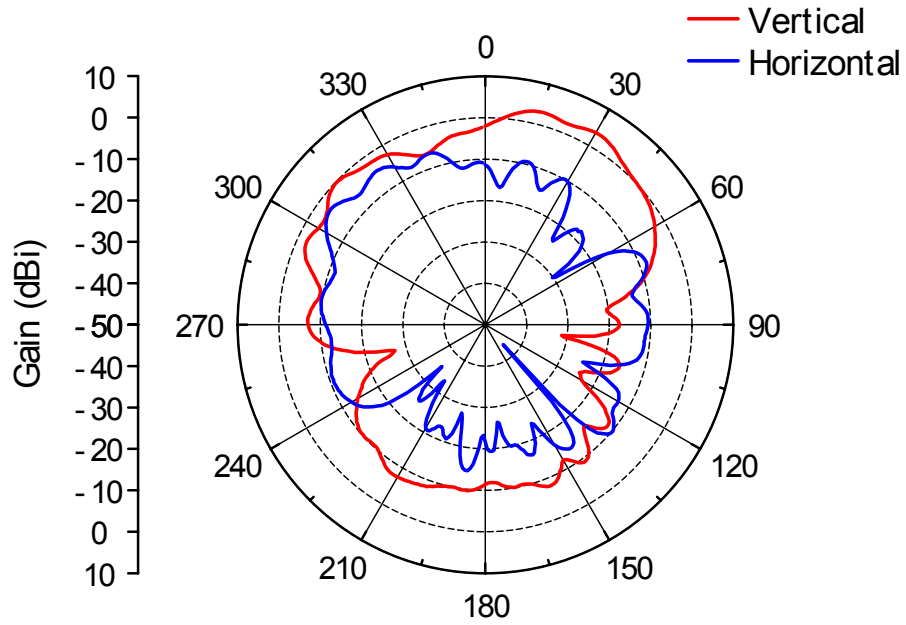
Center Frequency	5250 MHz
Horizontal (dBi) peak	-4.69
Vertical (dBi) peak	1.74
Horz+Vert (dBi) peak	X.XX

Main antenna: 5350 MHz

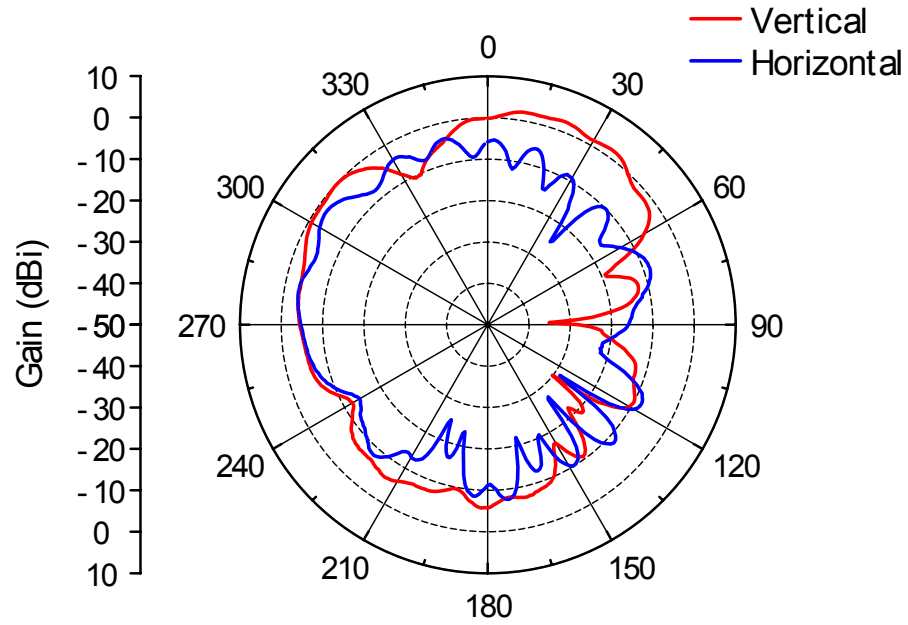
Center Frequency	5350 MHz
Horizontal (dBi) peak	-2.28
Vertical (dBi) peak	3.38
Horz+Vert (dBi) peak	X.XX

Auxiliary antenna: 5150 MHz

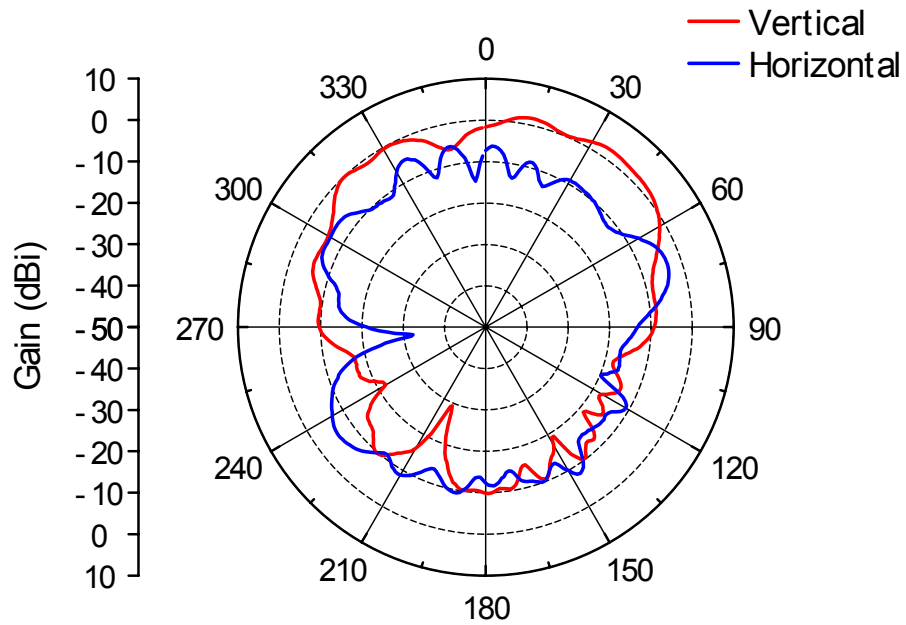
Center Frequency	5150 MHz
Horizontal (dBi) peak	-3.48
Vertical (dBi) peak	0.44
Horz+Vert (dBi) peak	X.XX

Auxiliary antenna: 5250 MHz

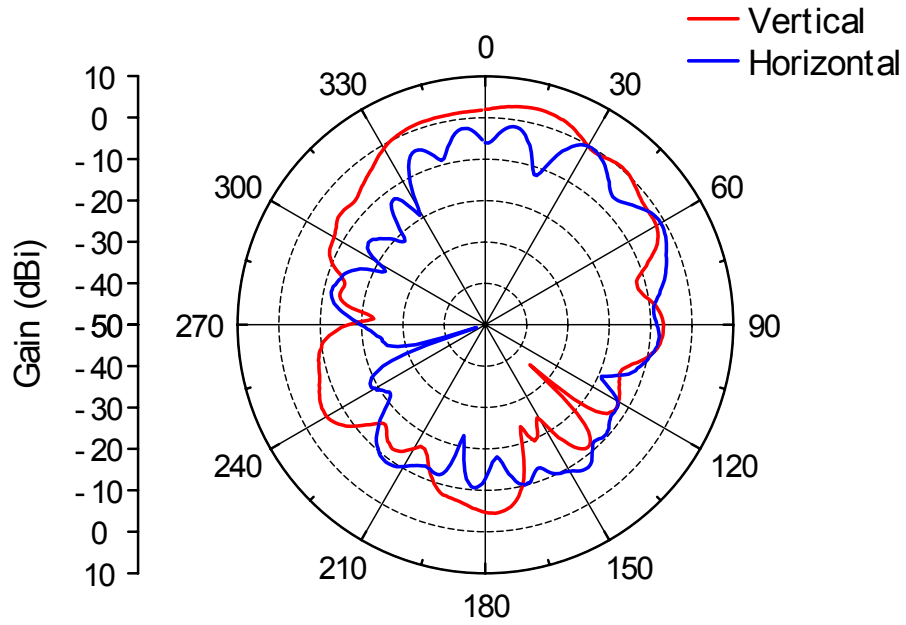
Center Frequency	5250 MHz
Horizontal (dBi) peak	-3.39
Vertical (dBi) peak	3.50
Horz+Vert (dBi) peak	X.XX

Auxiliary antenna: 5350 MHz

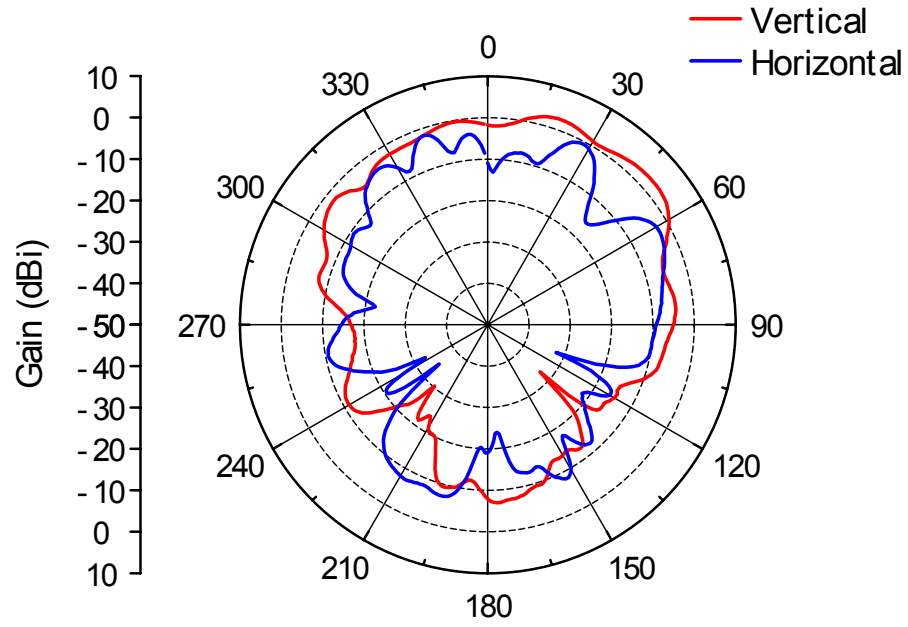
Center Frequency	5350 MHz
Horizontal (dBi) peak	-2.41
Vertical (dBi) peak	2.44
Horz+Vert (dBi) peak	X.XX

5470-5725MHz radiation characteristic**Main antenna: 5470 MHz**

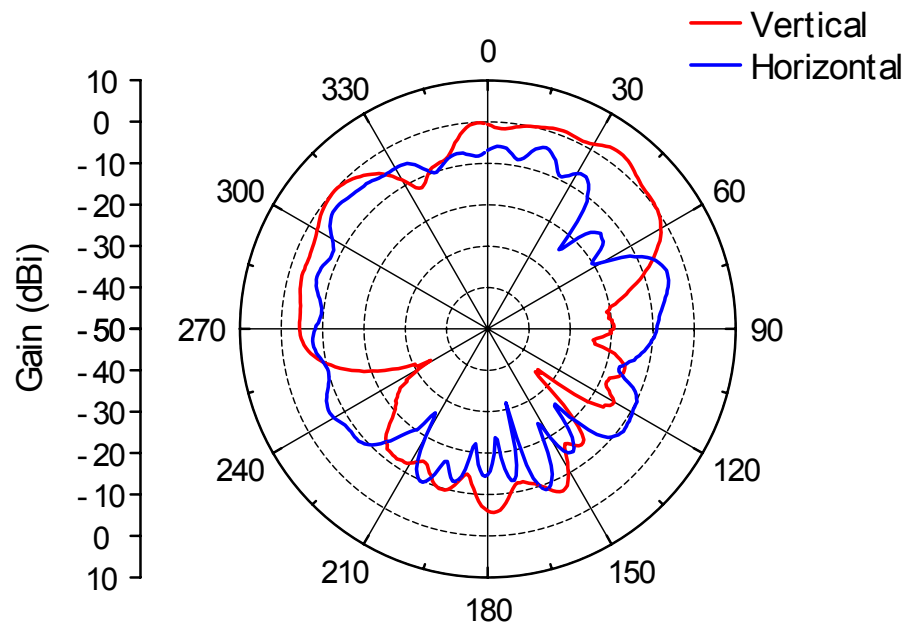
Center Frequency	5470 MHz
Horizontal (dBi) peak	-3.47
Vertical (dBi) peak	2.38
Horz+Vert (dBi) peak	X.XX

Main antenna: 5597.5 MHz

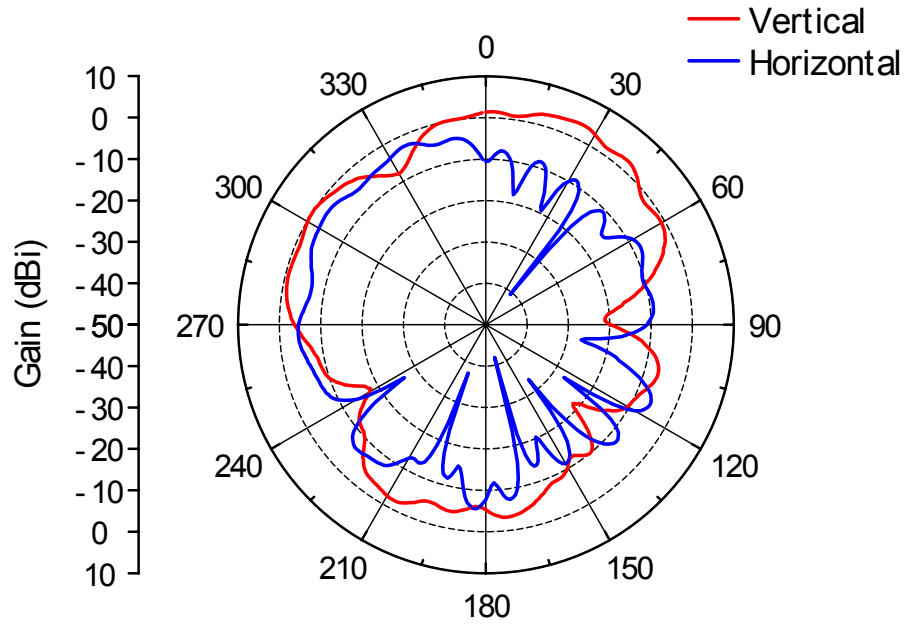
Center Frequency	5597.5 MHz
Horizontal (dBi) peak	-0.19
Vertical (dBi) peak	3.56
Horz+Vert (dBi) peak	X.XX

Main antenna: 5725 MHz

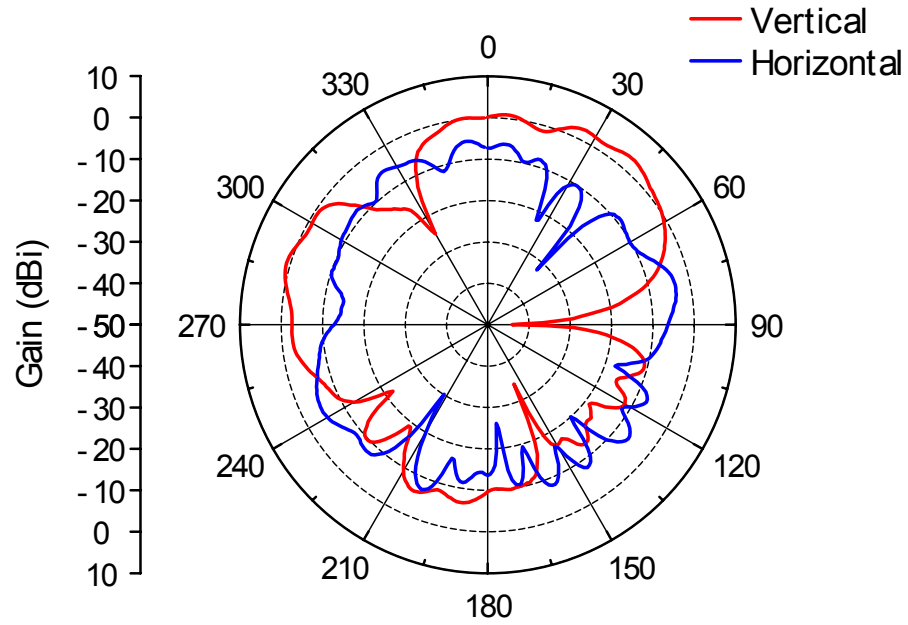
Center Frequency	5725 MHz
Horizontal (dBi) peak	-0.68
Vertical (dBi) peak	2.88
Horz+Vert (dBi) peak	X.XX

Auxiliary antenna: 5470 MHz

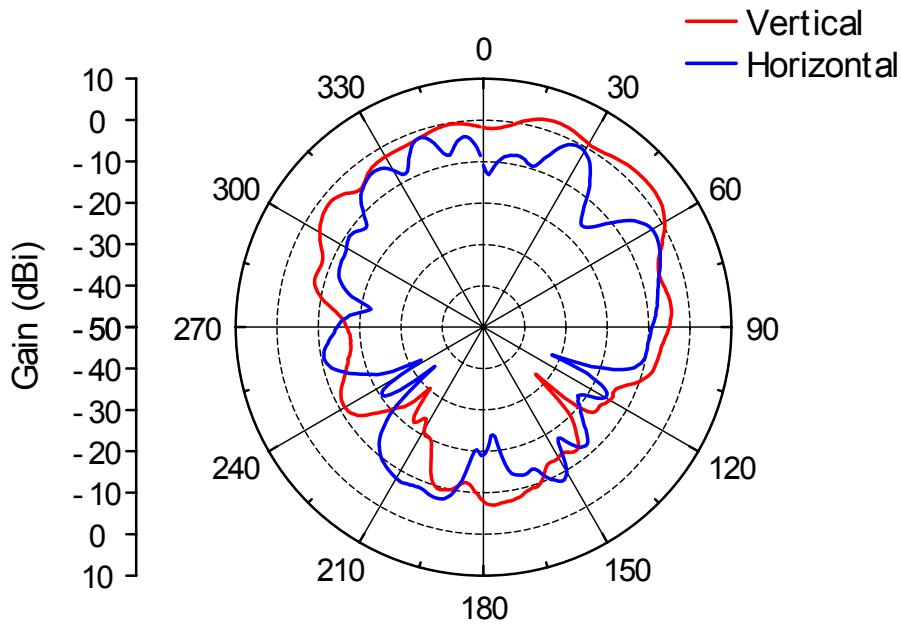
Center Frequency	5470 MHz
Horizontal (dBi) peak	-3.11
Vertical (dBi) peak	3.21
Horz+Vert (dBi) peak	X.XX

Auxiliary antenna: 5597.5 MHz

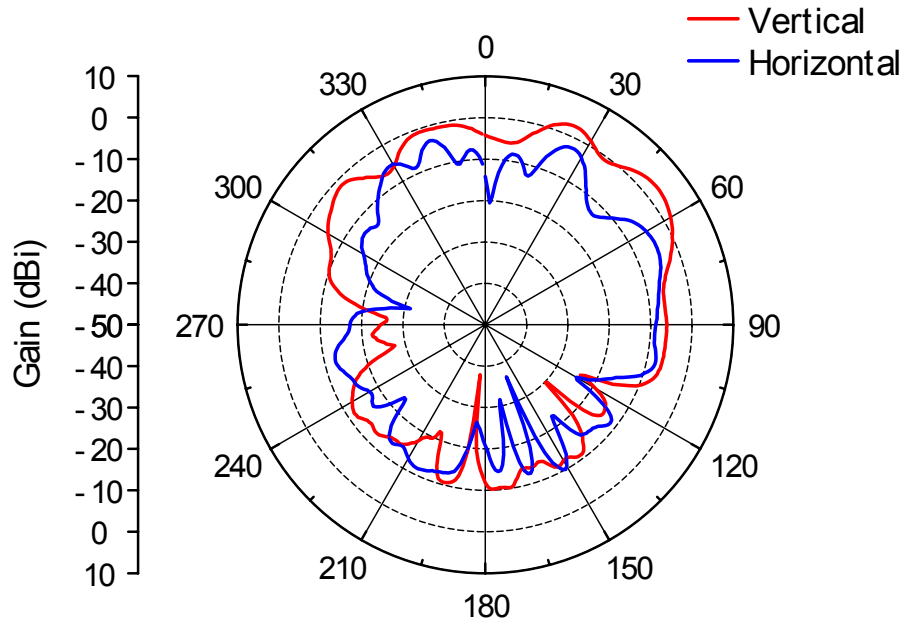
Center Frequency	5597.5 MHz
Horizontal (dBi) peak	-2.63
Vertical (dBi) peak	3.65
Horz+Vert (dBi) peak	X.XX

Auxiliary antenna: 5725 MHz

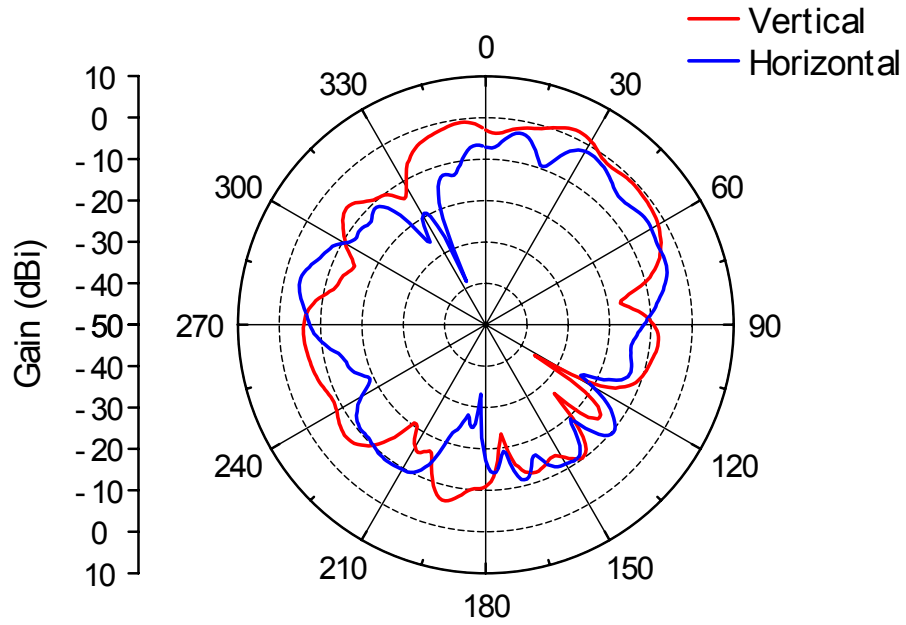
Center Frequency	5725 MHz
Horizontal (dBi) peak	-3.62
Vertical (dBi) peak	3.20
Horz+Vert (dBi) peak	X.XX

5725-5850 MHz radiation characteristic**Main antenna: 5725 MHz**

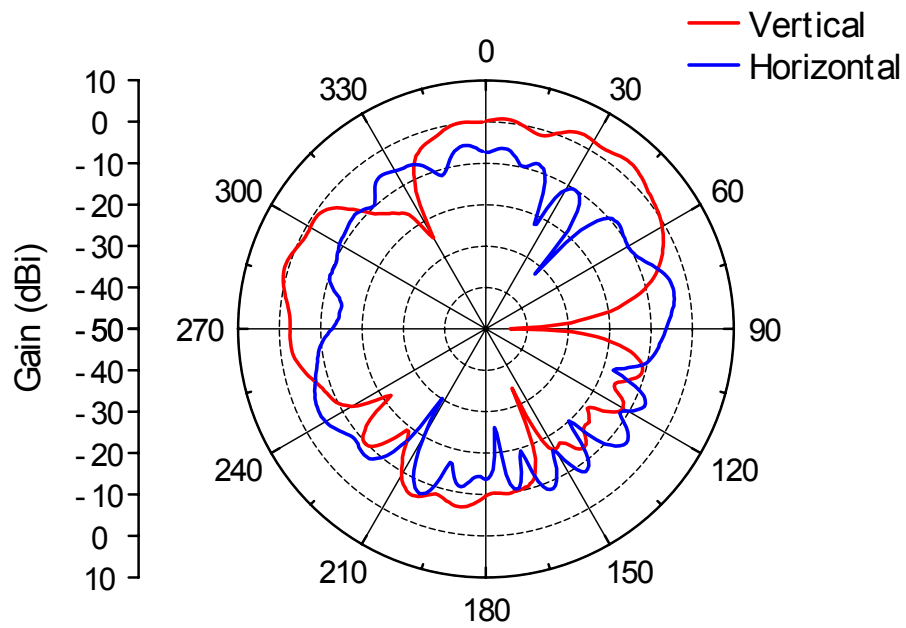
Center Frequency	5725 MHz
Horizontal (dBi) peak	-0.68
Vertical (dBi) peak	2.88
Horz+Vert (dBi) peak	X.XX

Main antenna: 5787.5 MHz

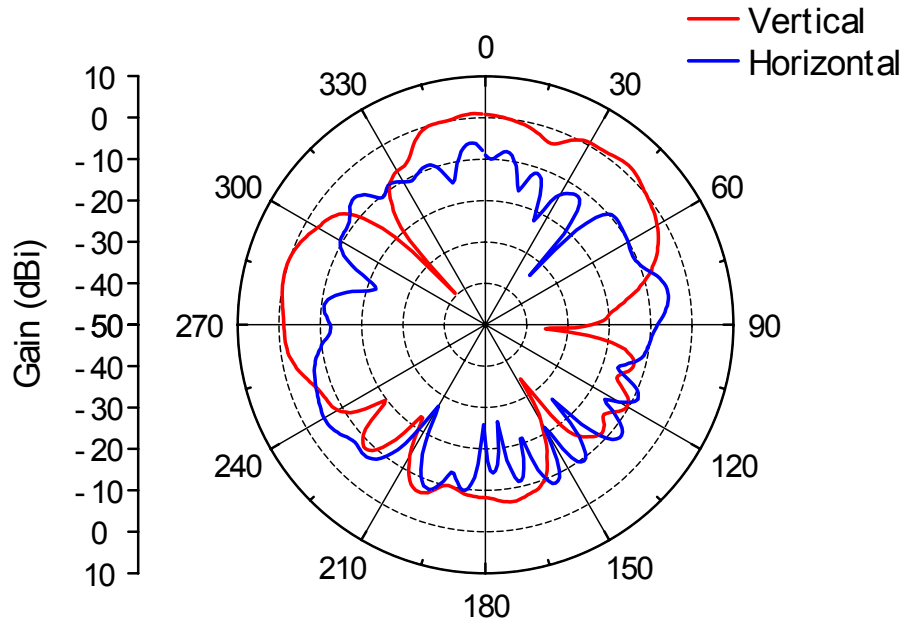
Center Frequency	5787.5 MHz
Horizontal (dBi) peak	-2.47
Vertical (dBi) peak	3.16
Horz+Vert (dBi) peak	X.XX

Main antenna: 5850 MHz

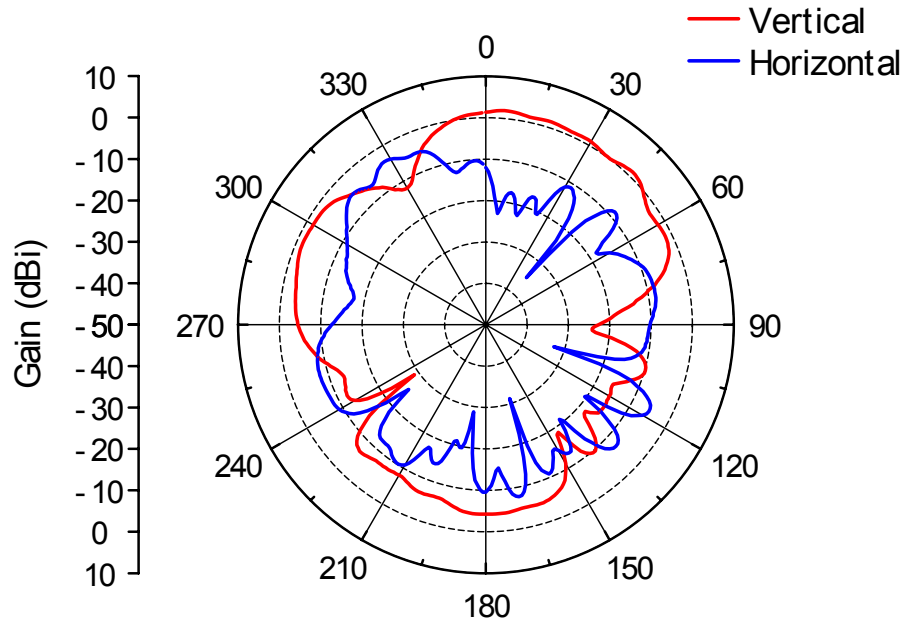
Center Frequency	5850 MHz
Horizontal (dBi) peak	-1.64
Vertical (dBi) peak	1.82
Horz+Vert (dBi) peak	X.XX

Auxiliary antenna: 5725 MHz

Center Frequency	5725 MHz
Horizontal (dBi) peak	-3.62
Vertical (dBi) peak	3.20
Horz+Vert (dBi) peak	X.XX

Auxiliary antenna: 5787.5 MHz

Center Frequency	5787.5 MHz
Horizontal (dBi) peak	-4.93
Vertical (dBi) peak	1.77
Horz+Vert (dBi) peak	X.XX

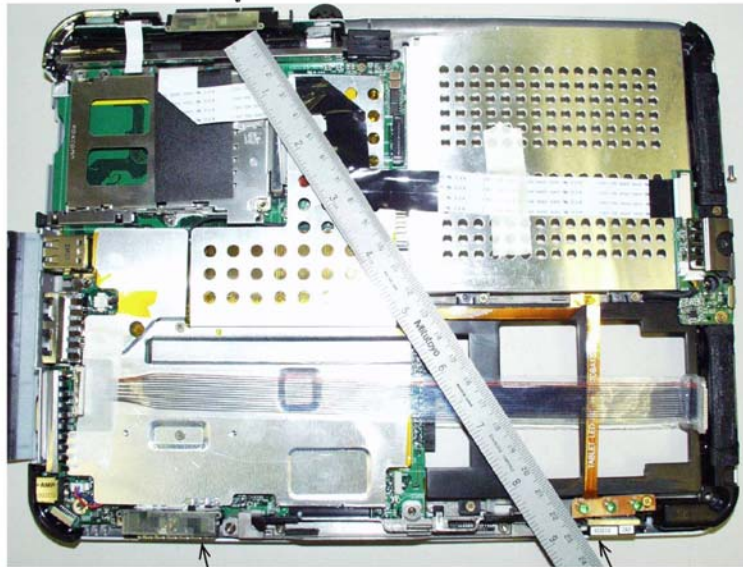
Auxiliary antenna: 5850 MHz

Center Frequency	5850 MHz
Horizontal (dBi) peak	-3.64
Vertical (dBi) peak	1.87
Horz+Vert (dBi) peak	X.XX

Host PC Information

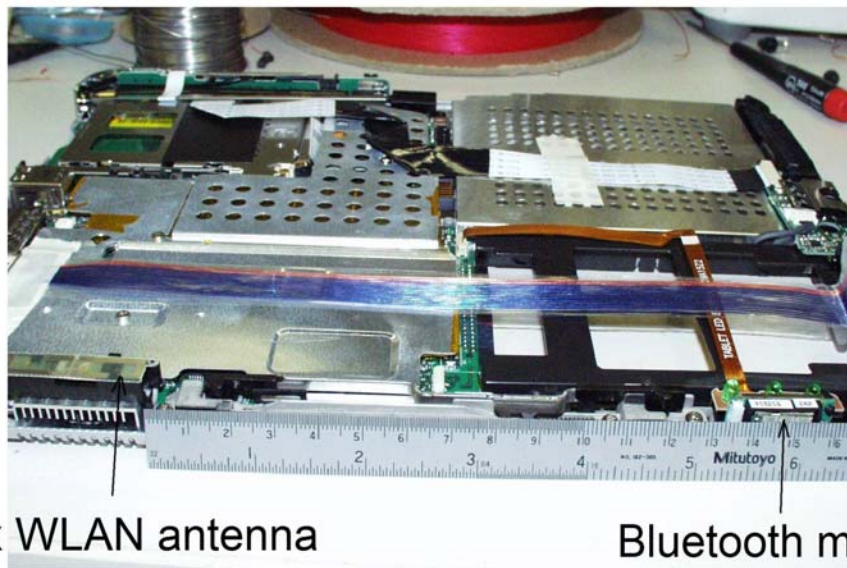
Host model: HP Tablet PC TR1105, HP Compaq Tablet TC1105
Agency Series # xxxxxxxx

Main WLAN antenna



Aux WLAN antenna

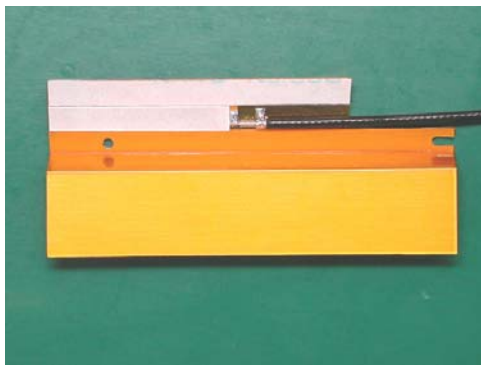
Bluetooth module



Aux WLAN antenna

Bluetooth module

Main Antenna



Auxiliary Antenna

