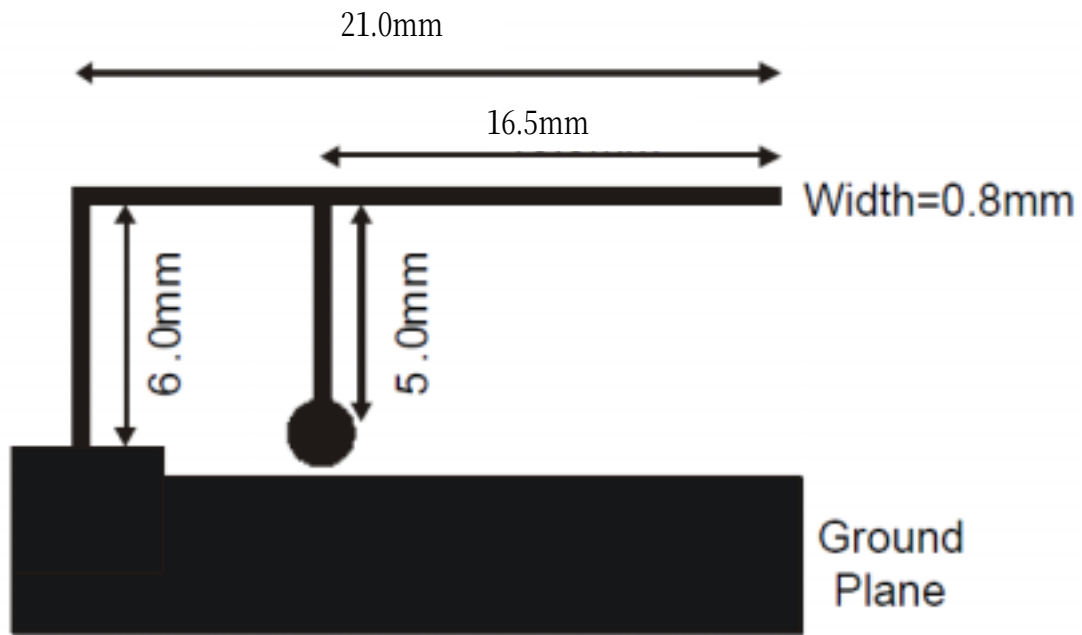


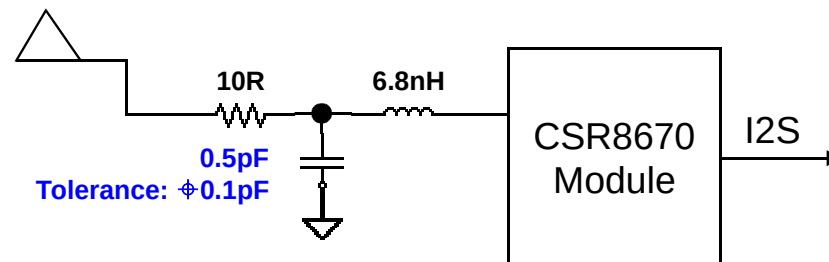
GP BT50 Speaker Antenna specification

- 1, Maximum Gain: see table on next page
- 2, Test signal: see table on next page
- 3, Antenna consists: Inverted-F antenna
- 4, PCB layout



Antenna Gain

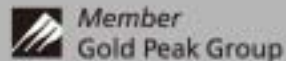
Test Condition	MUO		PIFA in Air		Delta Compare to PIFA in Air
	Gain / dB	Location	Gain / dB	Location	
Vertical Pol.	-2.5	90°CW from Top in Left-Right Plane, 2.402 GHz	0.8	112°CW from Front in Front-Rear Plane, 2.402 GHz	-3.2
Horizontal Pol.	-1.0	59°CCW from Top in Horizon, 2.402 GHz	-1.5	0°CCW from Top in Left-Right Plane, 2.48 GHz	0.5
Delta btn VP & HP / dB	1.5		2.2		



Latest Update: 11 May 14



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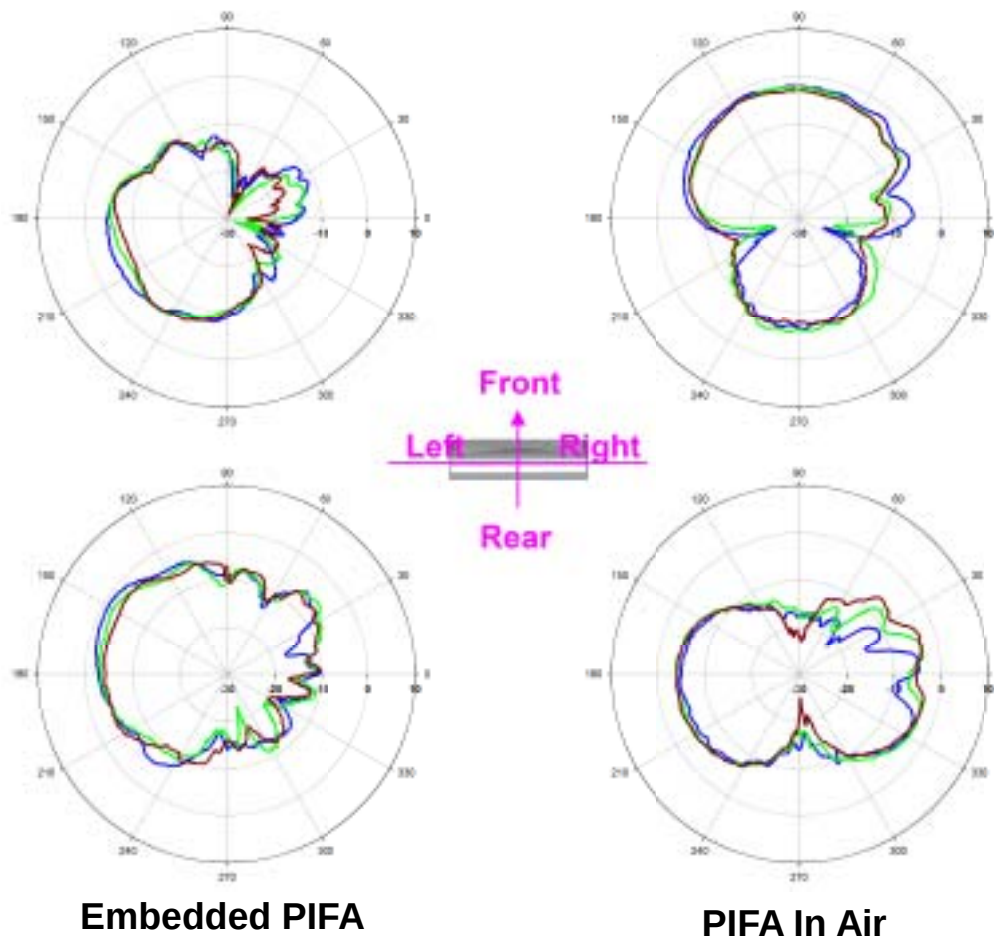


Radiation Patterns in Horizon, Horizontal MUO

Vertical
Polarization

— CH L 2.402 GHz
— CH M 2.441 GHz
— CH H 2.480 GHz

Horizontal
Polarization



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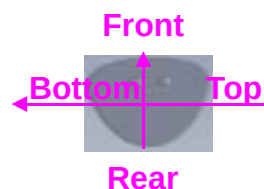
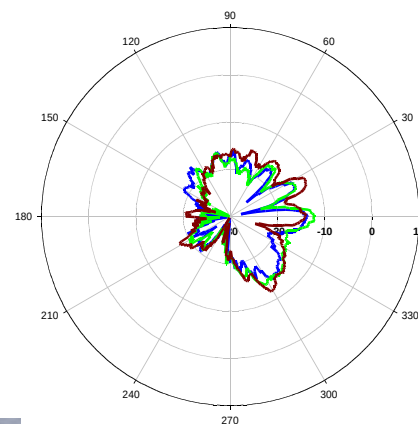
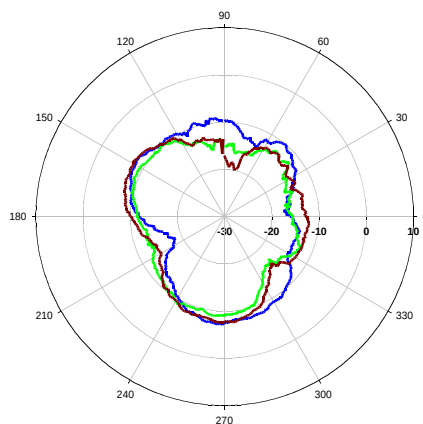
Member
Gold Peak Group



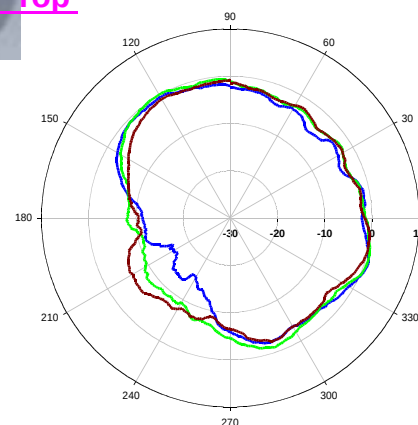
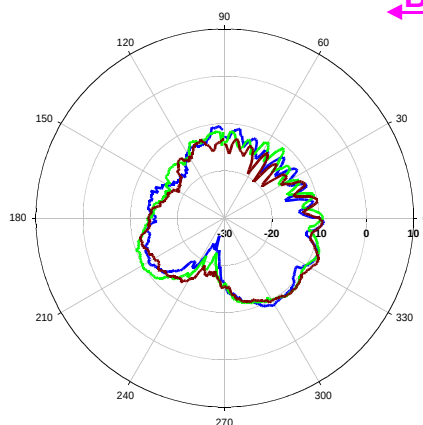
Radiation Patterns in Horizon, Vertical MUO

Vertical Polarization

— CH L 2.402 GHz
— CH M 2.441 GHz
— CH H 2.480 GHz



Horizontal Polarization



Embedded PIFA

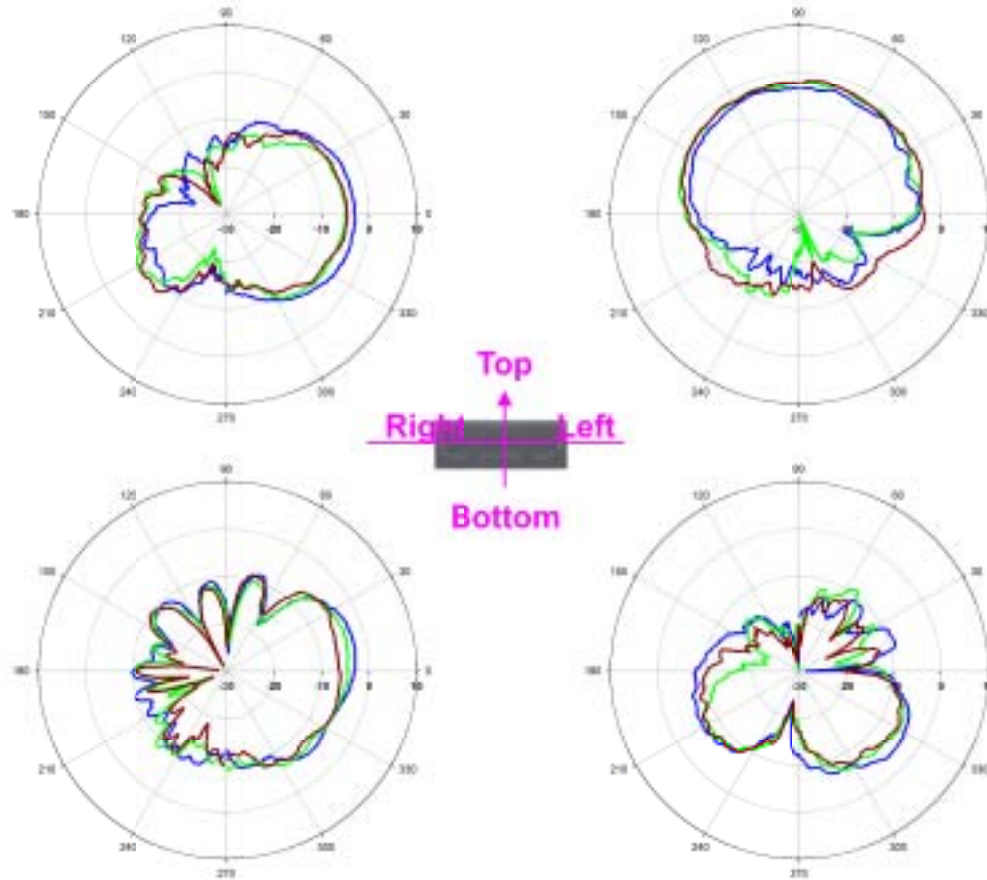
PIFA In Air

Radiation Patterns in Left-Right Plane, Horizontal MUO

Vertical
Polarization

— CH L 2.402 GHz
— CH M 2.441 GHz
— CH H 2.480 GHz

Horizontal
Polarization



Embedded PIFA

PIFA In Air



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Gold Peak Group

