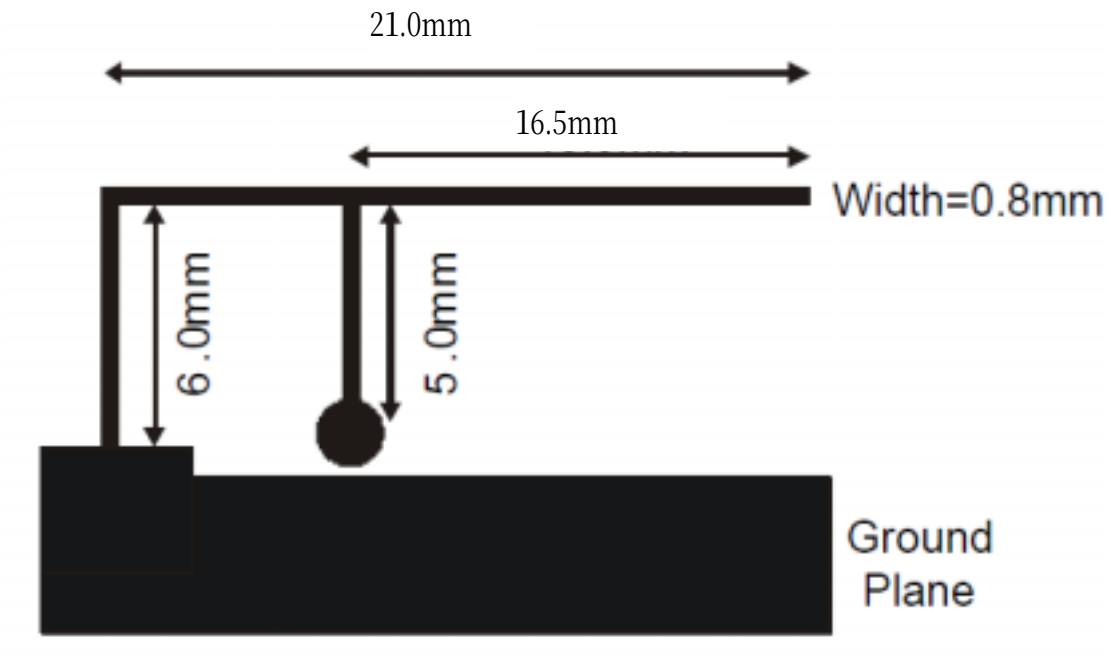
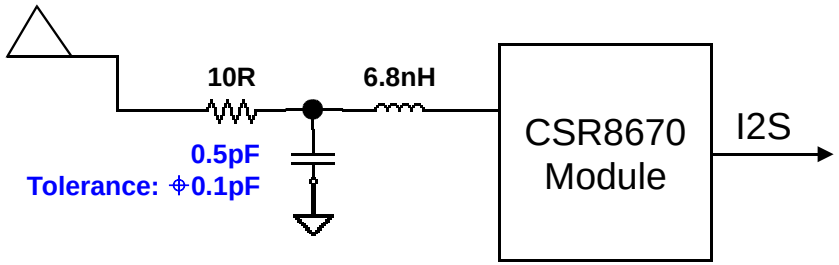
GP BT50 Speaker Antenna specification

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		



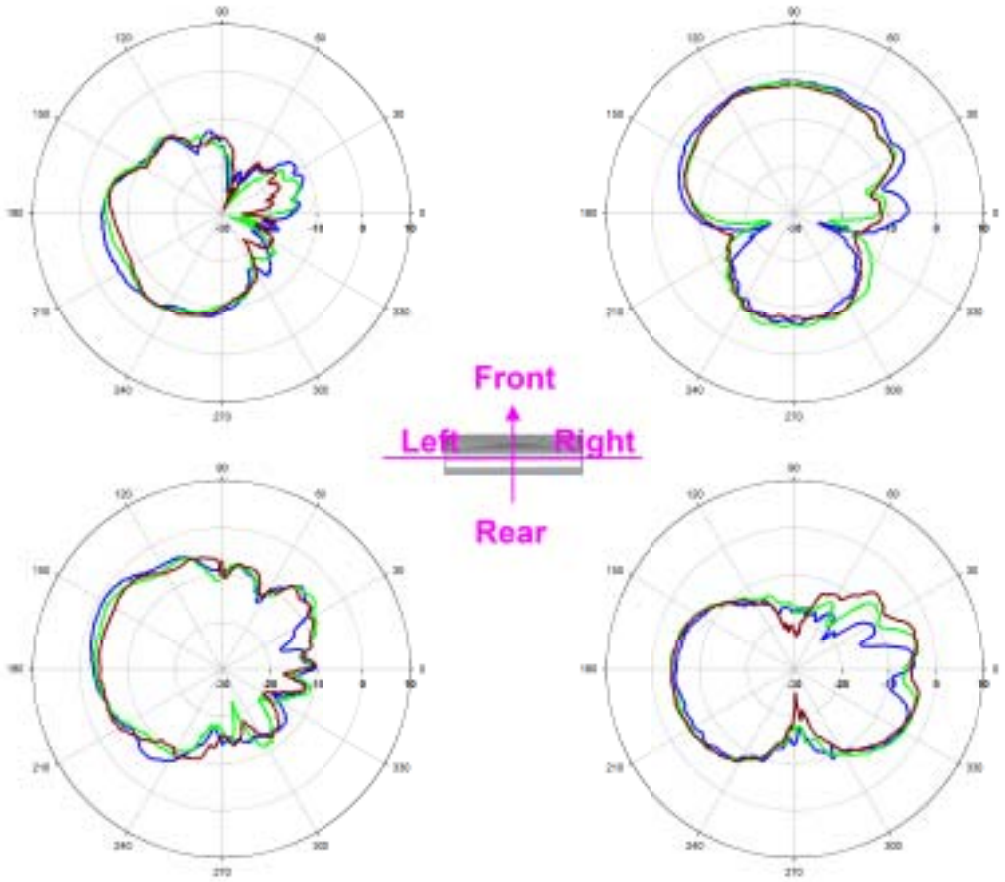
Latest Update: 11 May 14

Radiation Patterns in Horizon, Horizontal MUO

Vertical Polarization

Horizontal Polarization

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



Embedded PIFA

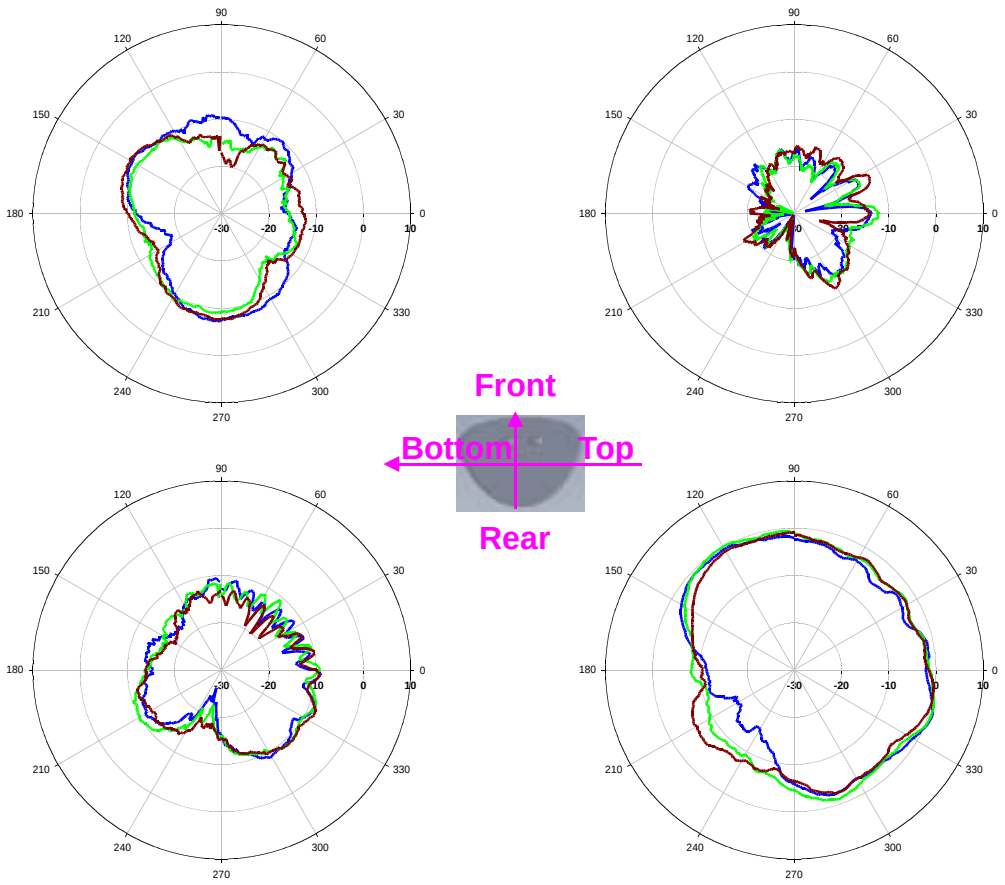
PIFA In Air

Radiation Patterns in Horizon, Vertical MUO

Vertical Polarization

Horizontal Polarization

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



Embedded PIFA

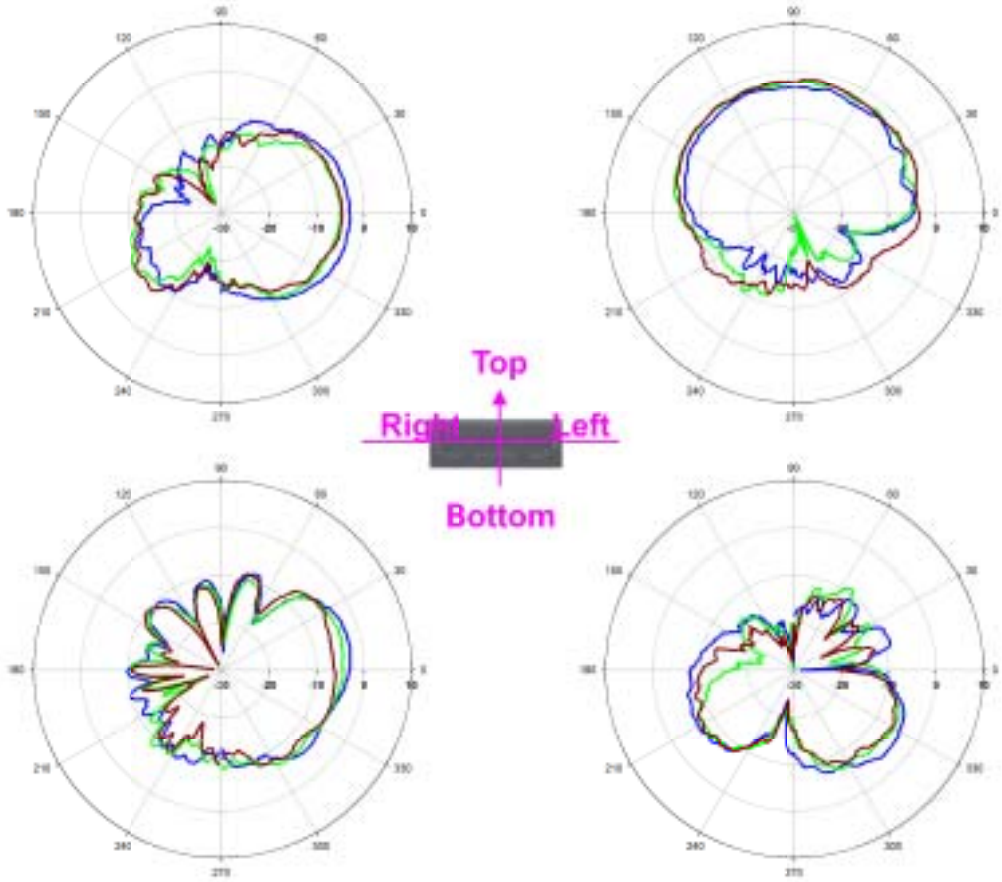
PIFA In Air

Radiation Patterns in Left-Right Plane, Horizontal MUO

Vertical Polarization

Horizontal Polarization

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



Embedded PIFA

PIFA In Air