

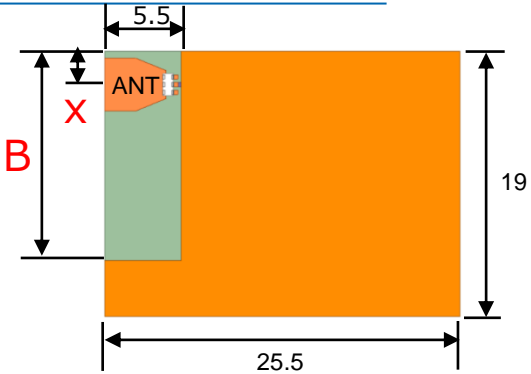


Dimensions (mm)

L	W	T
1.60	0.80	0.45
±0.10	±0.10	Max.

□ EVALUATION BOARD

Antenna Location: **X**
Board size: 25.5 x 19 x 1
Antenna keep out area: **B** x 5.5

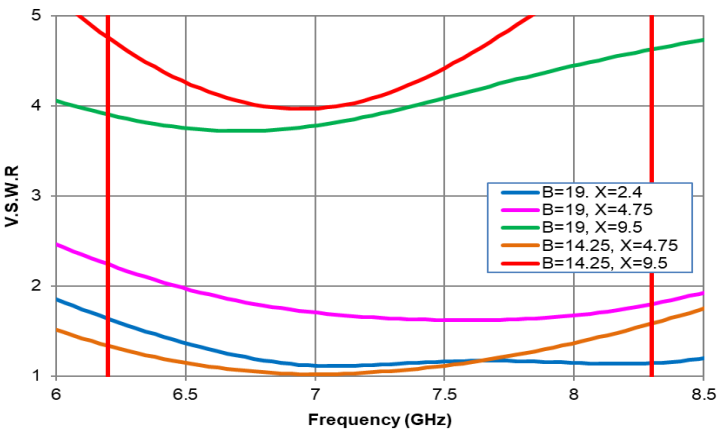


□ Remarks

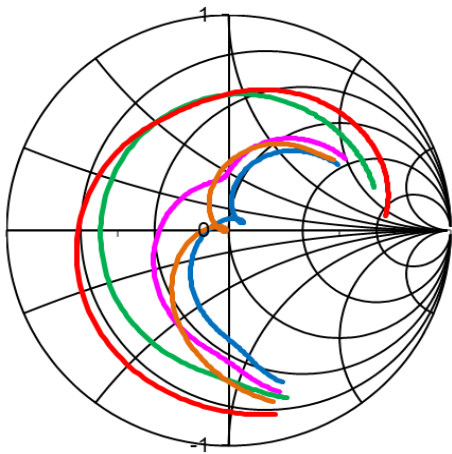
- ✓ VSWR and radiation efficiency of the antenna depend on location of the antenna on a printed circuit board in which the antenna is installed.
- ✓ The followings show location dependence of VSWR and radiation efficiency.
- ✓ VSWR is small in cases that the antenna is located on a corner of a printed circuit board.

▶ VSWR & Efficiency (SIMULATION)

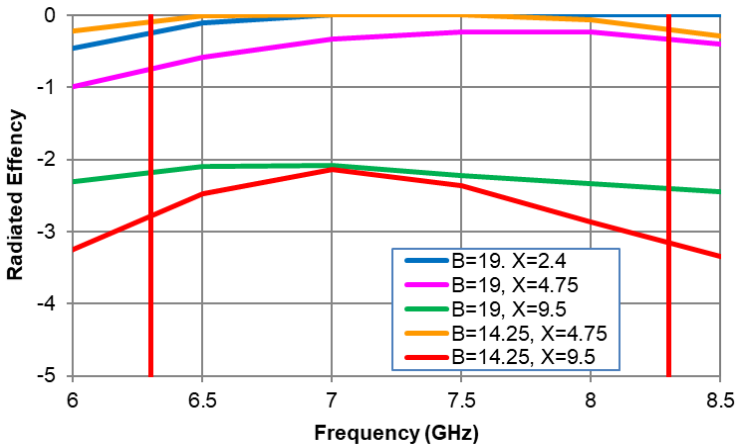
□ VSWR



□ Smith Chart



□ Radiation Efficiency





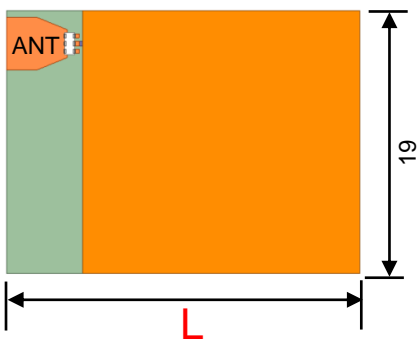
Dimensions (mm)

L	W	T
1.60	0.80	0.45
±0.10	±0.10	Max.

□ EVALUATION BOARD

Antenna Location: Corner
Board size: L x 19 x 1
Antenna keep out area: 19 x 5.5

Unit : mm

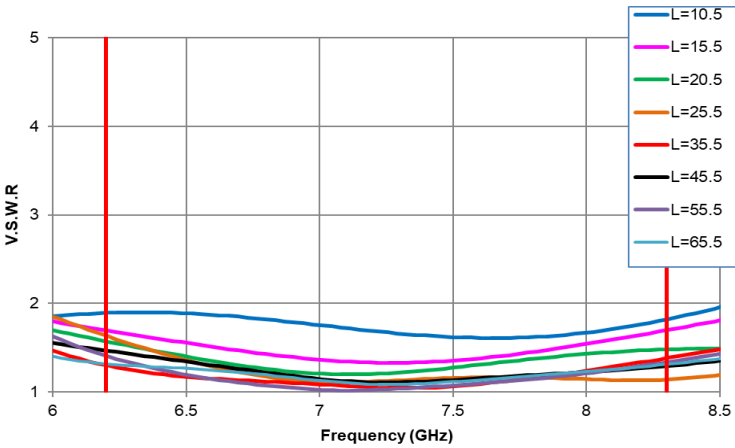


□ Remarks

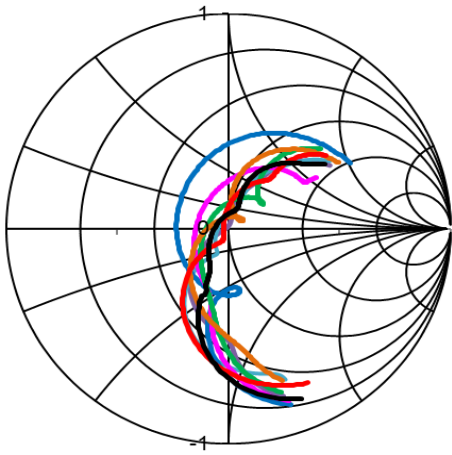
- ✓ VSWR and radiation efficiency of the antenna depend on the dimensions of a printed circuit board in which the antenna is installed.
- ✓ The followings show L dependence of VSWR and radiation efficiency.

▶ VSWR & Efficiency (SIMULATION)

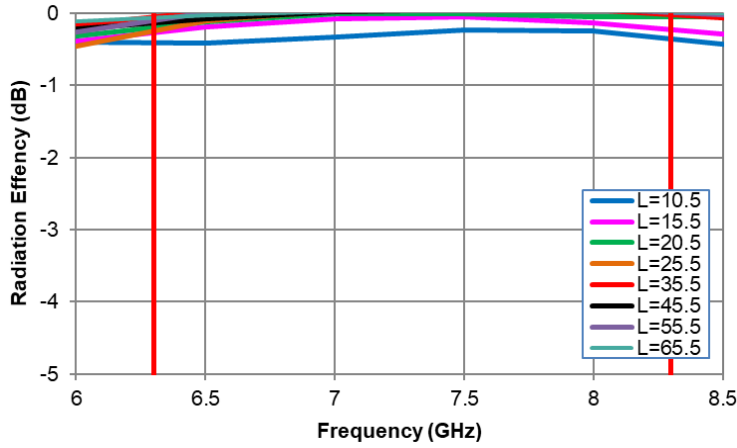
□ VSWR



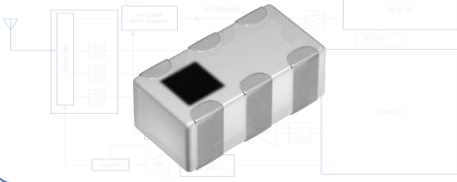
□ Smith Chart



□ Radiation Efficiency



■ ANT167250ST-1210A1



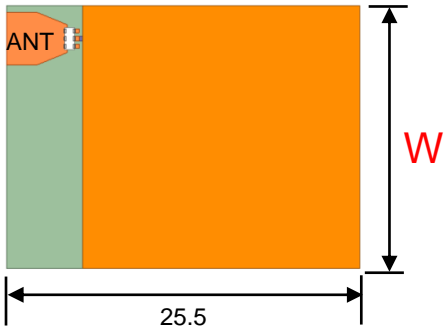
Dimensions (mm)

L	W	T
1.60	0.80	0.45
±0.10	±0.10	Max.

□ EVALUATION BOARD

Antenna Location: Corner
Board size: 25.5 x W x 1
Antenna keep out area: W x 5.5

Unit : mm

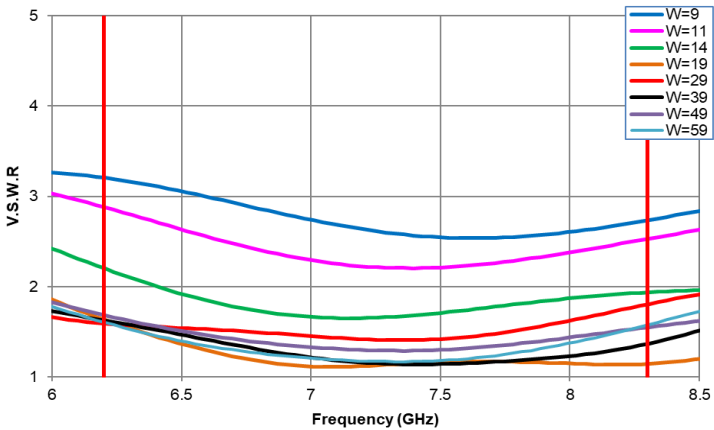


□ Remarks

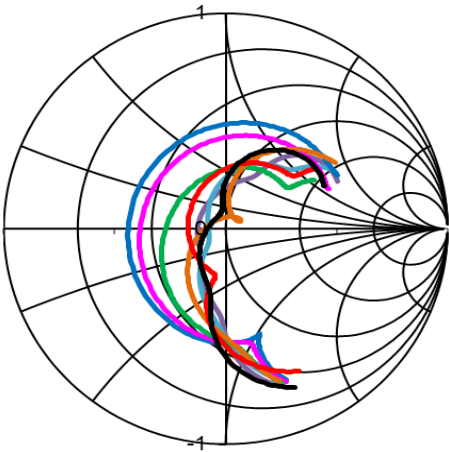
- ✓ VSWR and radiation efficiency of the antenna depend on the dimensions of a printed circuit board in which the antenna is installed.
- ✓ The followings show W dependence of VSWR and radiation efficiency.

▶ VSWR & Efficiency (SIMULATION)

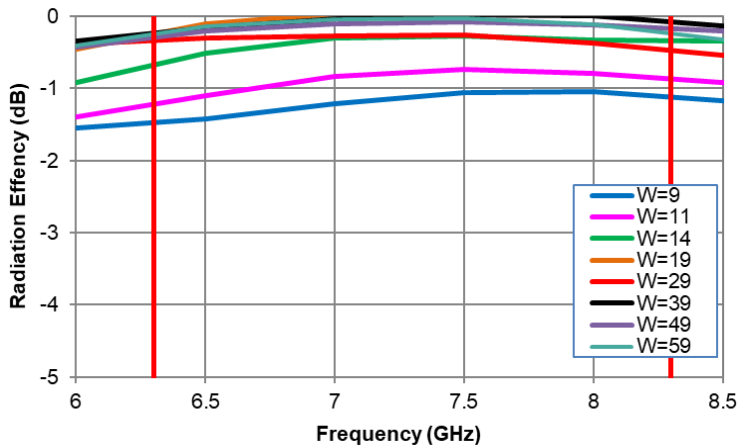
□ VSWR



□ Smith Chart



□ Radiation Efficiency



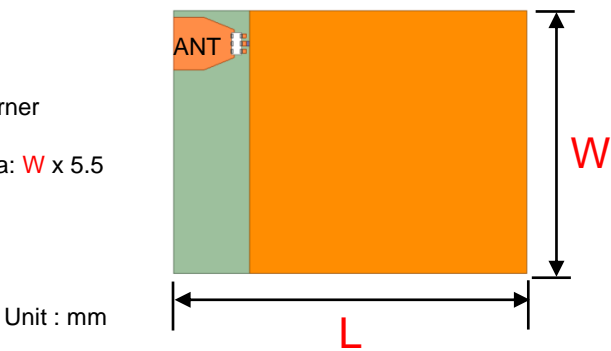


Dimensions (mm)

L	W	T
1.60	0.80	0.45
±0.10	±0.10	Max.

□ EVALUATION BOARD

Antenna Location: Corner
Board size: **L** x **W** x 1
Antenna keep out area: **W** x 5.5

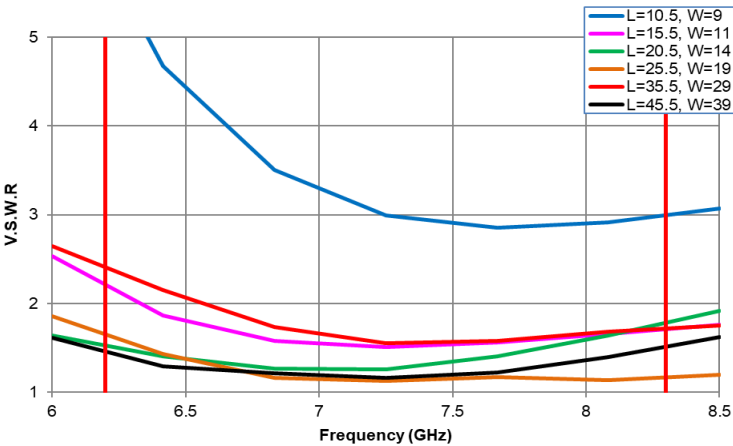


□ Remarks

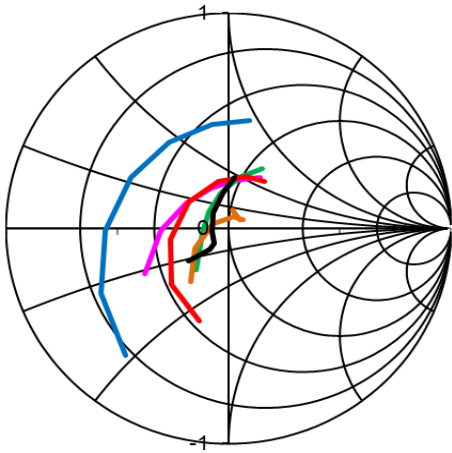
- ✓ VSWR and radiation efficiency of the antenna depend on the dimensions of a printed circuit board in which the antenna is installed.
- ✓ The followings show **L** and **W** dependence of VSWR and radiation efficiency.

▶ VSWR & Efficiency (SIMULATION)

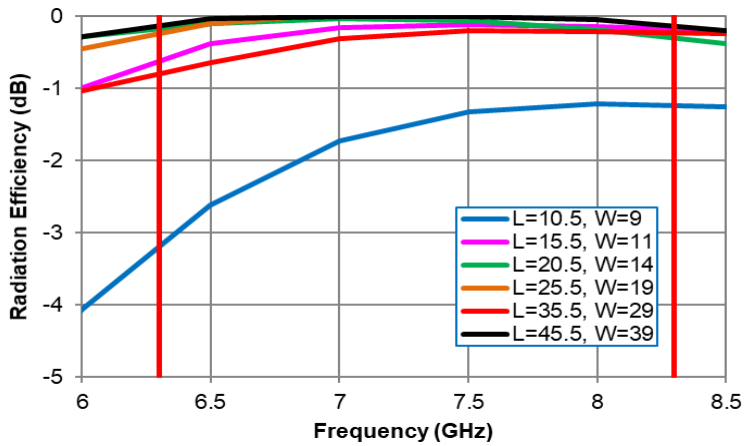
□ VSWR



□ Smith Chart



□ Radiation Efficiency





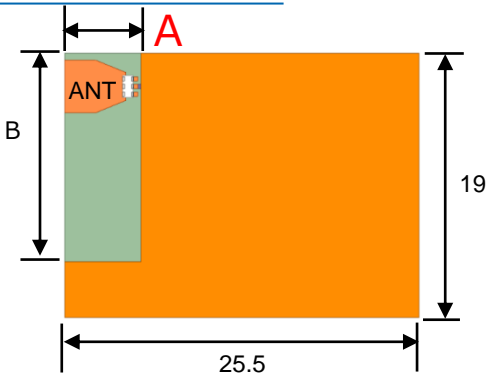
Dimensions (mm)

L	W	T
1.60	0.80	0.45
±0.10	±0.10	Max.

EVALUATION BOARD

Antenna Location: Corner
Board size: 25.5 x 19 x 1
Antenna keep out area: B x A

Unit : mm

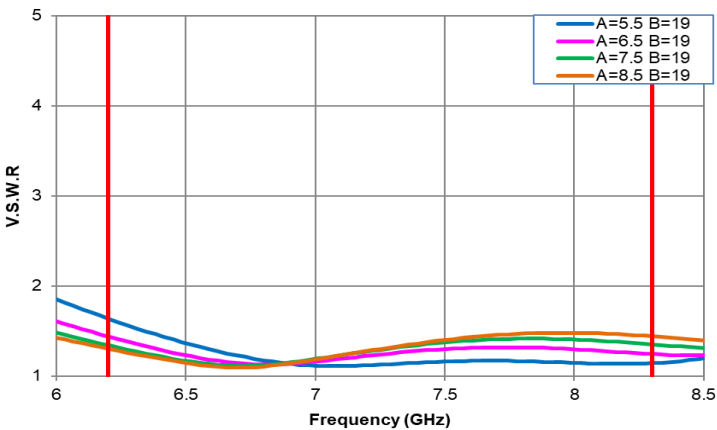


Remarks

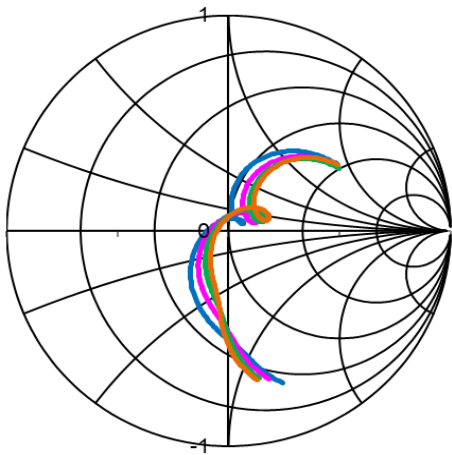
- ✓ VSWR and radiation efficiency of the antenna depend on the dimensions of the antenna keep out area in which the antenna is installed.
- ✓ The followings show A dependence of VSWR and radiation efficiency.

► VSWR & Efficiency (SIMULATION)

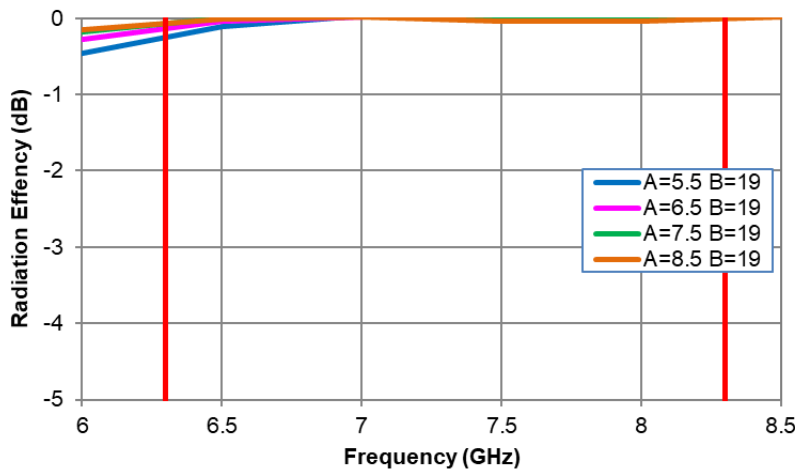
VSWR



Smith Chart



Radiation Efficiency





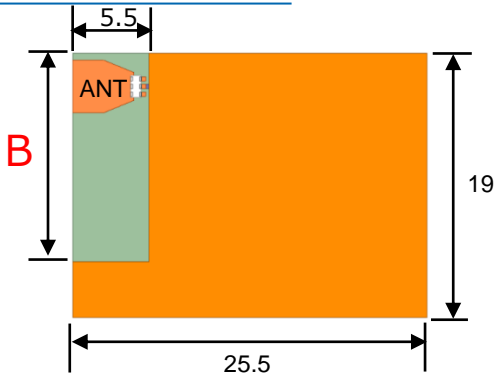
Dimensions (mm)

L	W	T
1.60	0.80	0.45
±0.10	±0.10	Max.

EVALUATION BOARD

Antenna Location: Corner
Board size: 25.5 x 19 x 1
Antenna keep out area: B x 5.5

Unit : mm

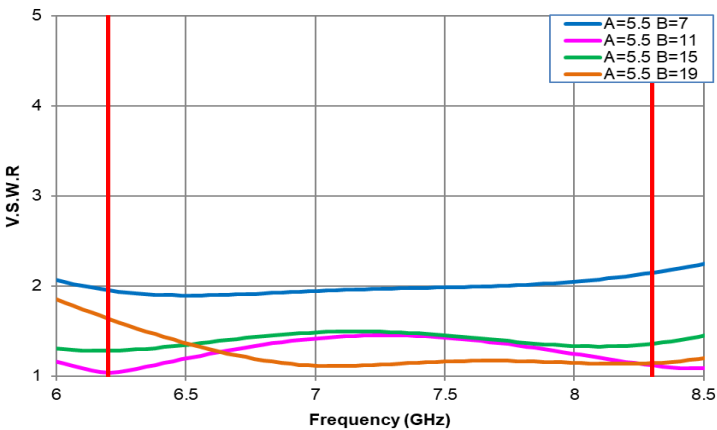


Remarks

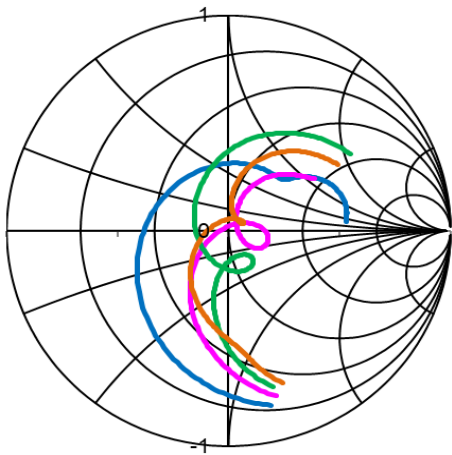
- ✓ VSWR and radiation efficiency of the antenna depend on the dimensions of the antenna keep out area in which the antenna is installed.
- ✓ The followings show B dependence of VSWR and radiation efficiency.
- ✓ VSWR is large in cases that B is small.

► VSWR & Efficiency (SIMULATION)

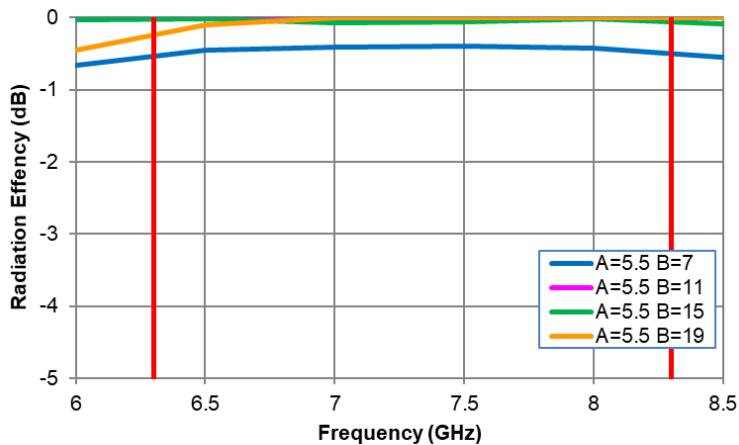
VSWR



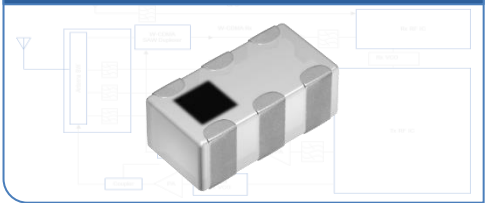
Smith Chart



Radiation Efficiency



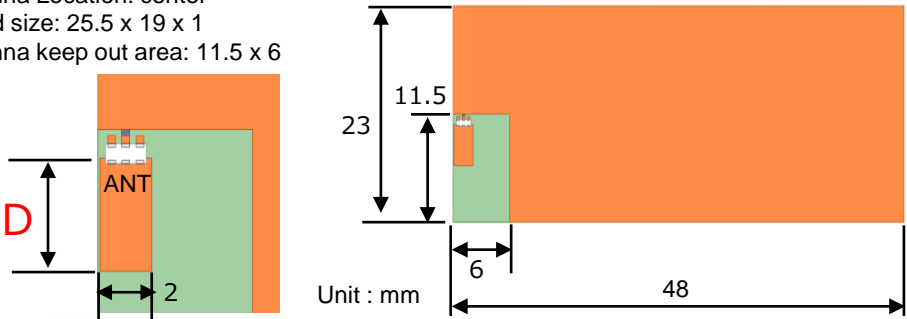
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Dimensions (mm)		
L	W	T
1.60	0.80	0.45
±0.10	±0.10	Max.

EVALUATION BOARD

Antenna Location: center
Board size: 25.5 x 19 x 1
Antenna keep out area: 11.5 x 6

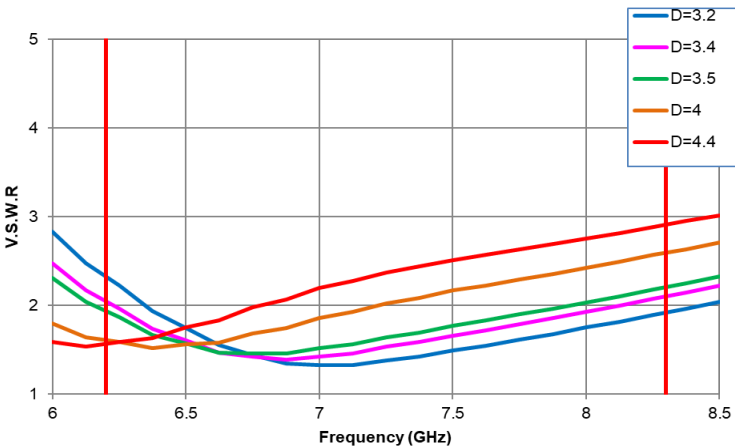


Remarks

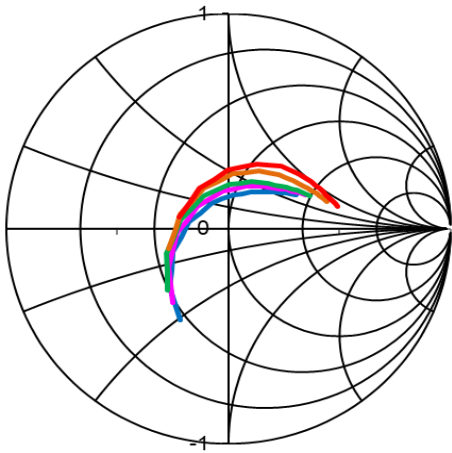
- ✓ VSWR and radiation efficiency of the antenna depend on location of the antenna on a printed circuit board in which the antenna is installed..
- ✓ This page shows an example of layout of antenna in cases that the antenna is not able to be located on a corner of a printed circuit board.

► VSWR & Efficiency (SIMULATION)

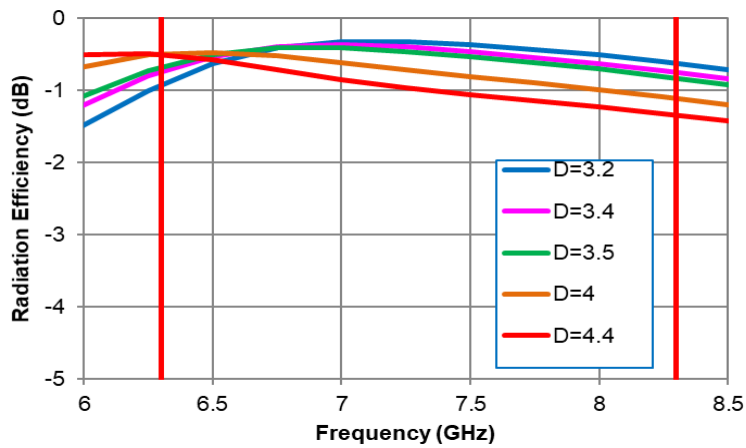
VSWR



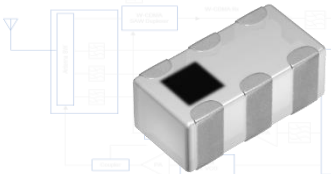
Smith Chart



Radiation Efficiency



■ ANT167250ST-1210A1

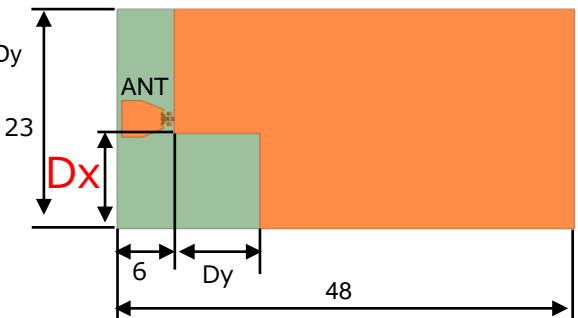


Dimensions (mm)

L	W	T
1.60	0.80	0.45
±0.10	±0.10	Max.

□ EVALUATION BOARD

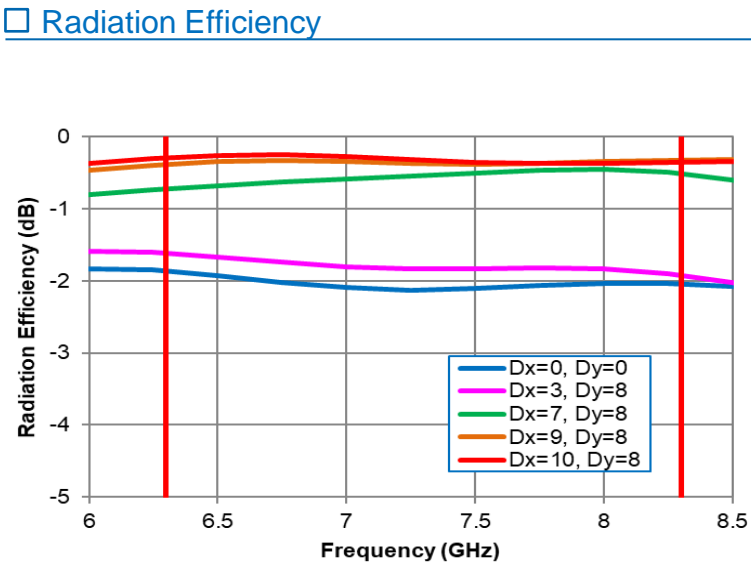
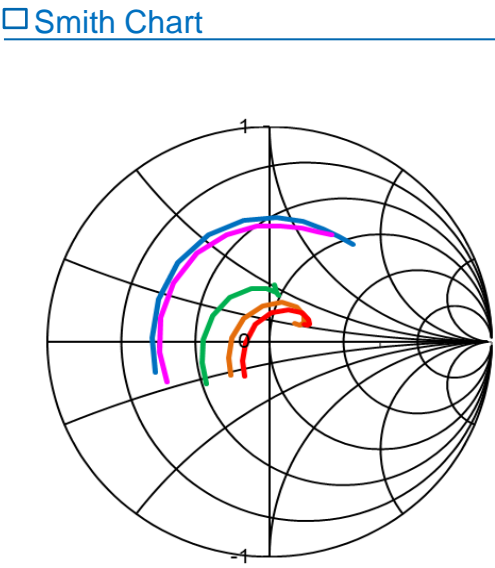
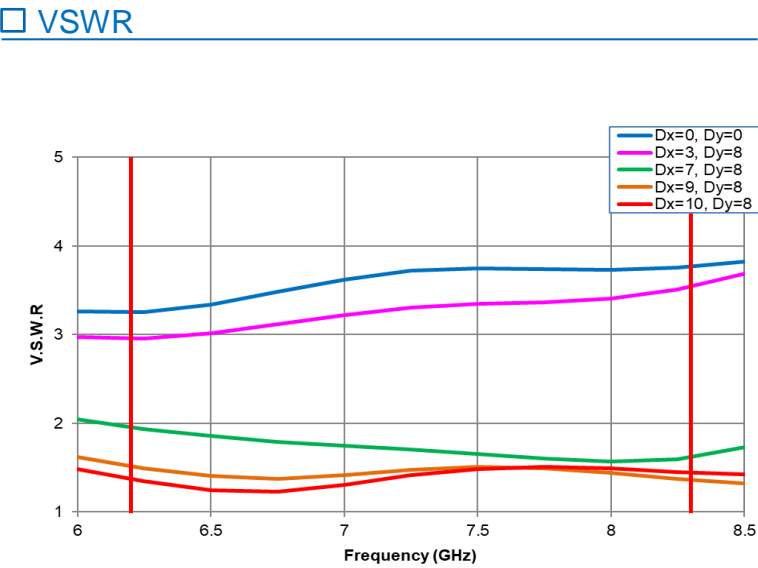
Antenna Location: center
Board size: 48 x 23 x 1
Antenna keep out area: 23 x 6, Dx x Dy



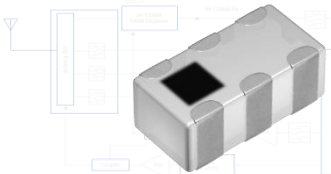
Unit : mm

- Remarks
- ✓ VSWR and radiation efficiency of the antenna depend on location of the antenna on a printed circuit board in which the antenna is installed..
 - ✓ This page shows an example of layout of antenna in cases that the antenna is not able to be located on a corner of a printed circuit board.

► VSWR & Efficiency (SIMULATION)



■ ANT167250ST-1210A1



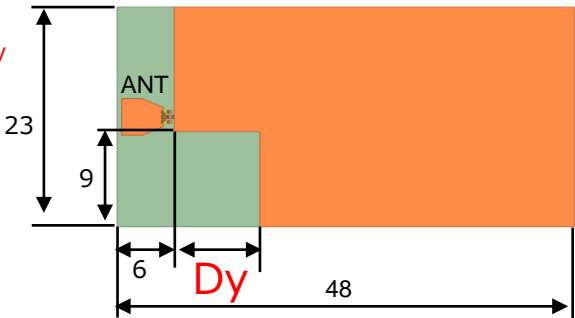
Dimensions (mm)

L	W	T
1.60	0.80	0.45
±0.10	±0.10	Max.

□ EVALUATION BOARD

Antenna Location: center
Board size: 48 x 23 x 1
Antenna keep out area: 23 x 6, 9 x Dy

Unit : mm

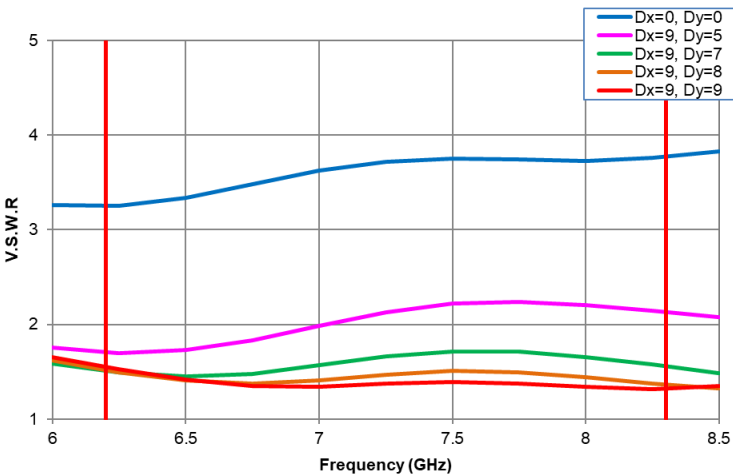


□ Remarks

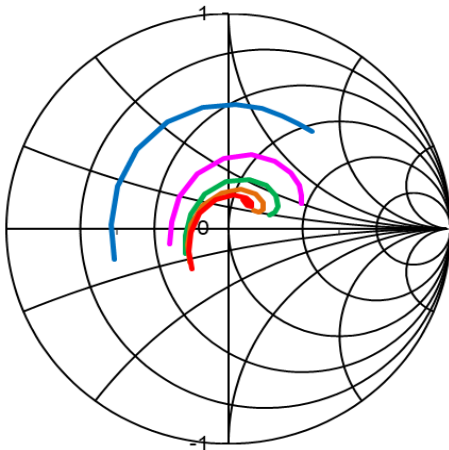
- ✓ VSWR and radiation efficiency of the antenna depend on location of the antenna on a printed circuit board in which the antenna is installed..
- ✓ This page shows an example of layout of antenna in cases that the antenna is not able to be located on a corner of a printed circuit board.

▶ VSWR & Efficiency (SIMULATION)

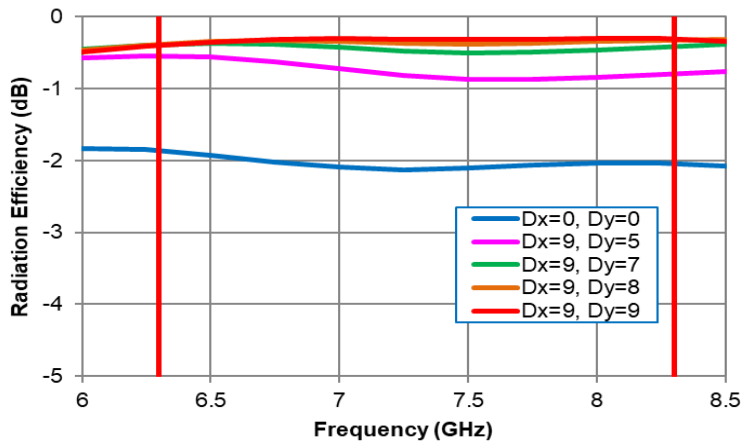
□ VSWR



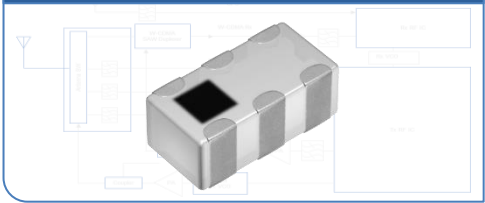
□ Smith Chart



□ Radiation Efficiency



ANT167250ST-1210A1



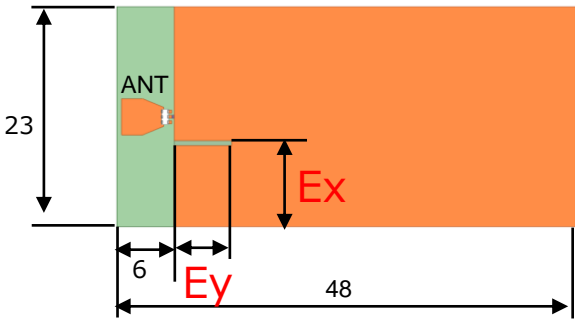
Dimensions (mm)

L	W	T
1.60	0.80	0.45
±0.10	±0.10	Max.

EVALUATION BOARD

Antenna Location: center
Board size: 48 x 23 x 1
Antenna keep out area: 23 x 6

Unit : mm

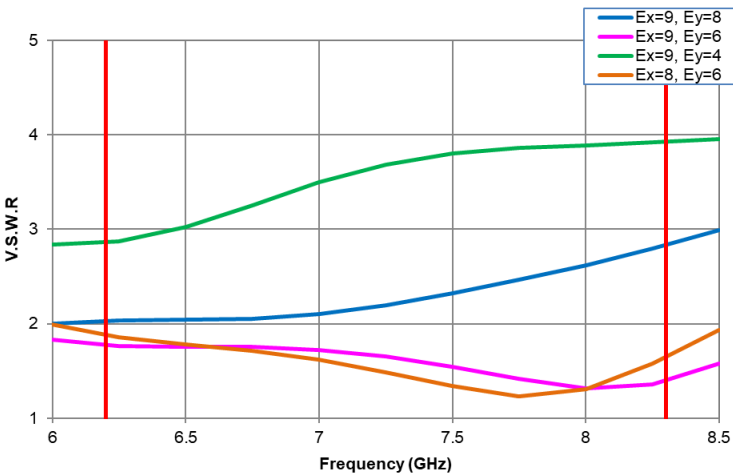


Remarks

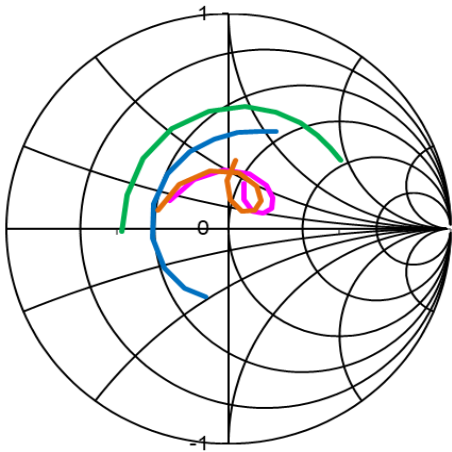
- ✓ VSWR and radiation efficiency of the antenna depend on location of the antenna on a printed circuit board in which the antenna is installed..
- ✓ This page shows an example of layout of antenna in cases that the antenna is not able to be located on a corner of a printed circuit board.

► VSWR & Efficiency (SIMULATION)

VSWR



Smith Chart



Radiation Efficiency

