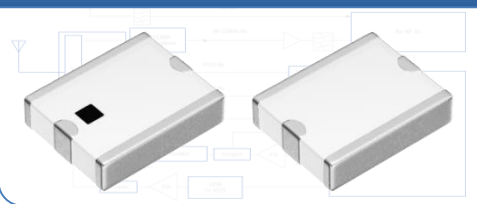


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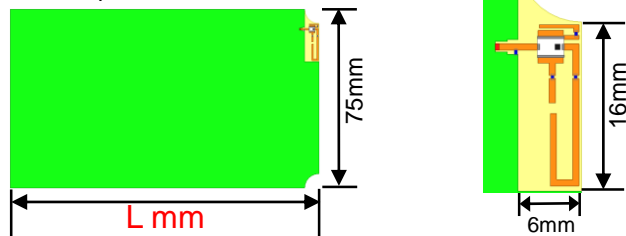


Dimensions (mm)

L	W	T
2.50	2.00	0.70
±0.20	±0.20	Max.

EVALUATION BOARD

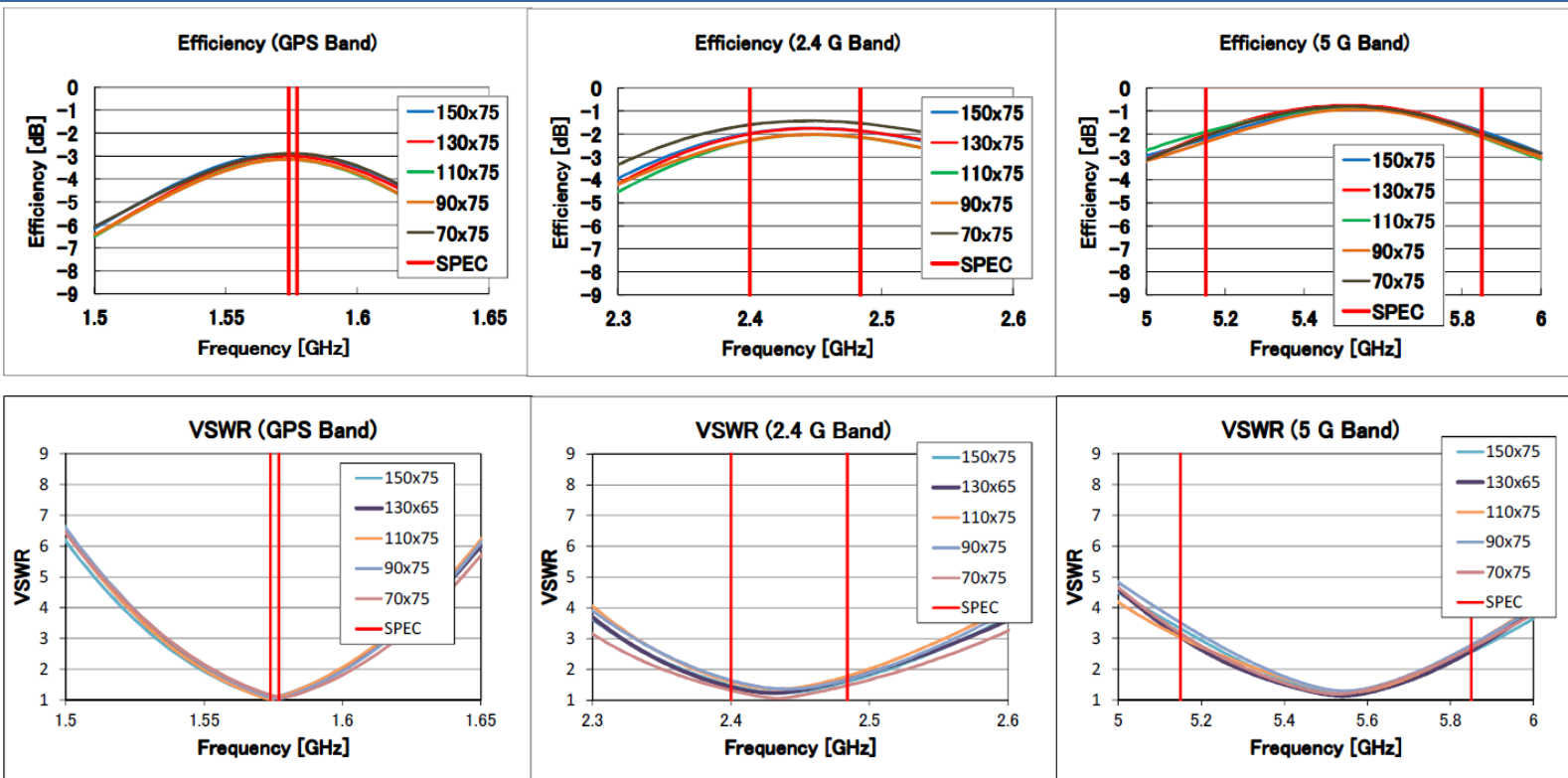
Antenna Location: Corner
 Board size: L x 75 x 1 mm²
 Antenna keep out area: 16 x 6 mm²



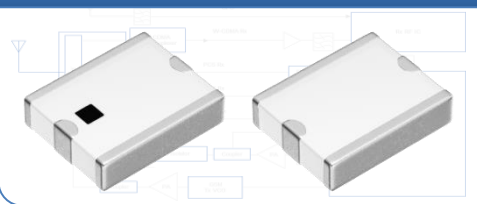
TECHNICAL REMARKS

- PCB size is changed in the condition of fixed antenna position.
- Length L of PCB is 150, 130, 110, 90, and 70 mm.
- W: 75 mm, PCB thickness: 1 mm)

▶ VSWR & EFFICIENCY (SIMULATION RESULTS)



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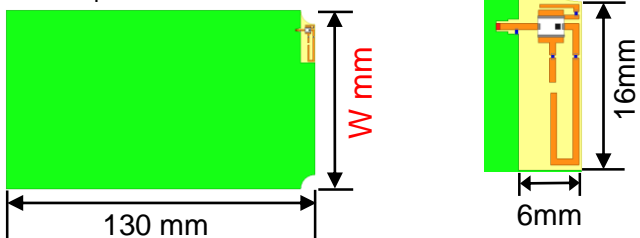


Dimensions (mm)

L	W	T
2.50	2.00	0.70
±0.20	±0.20	Max.

EVALUATION BOARD

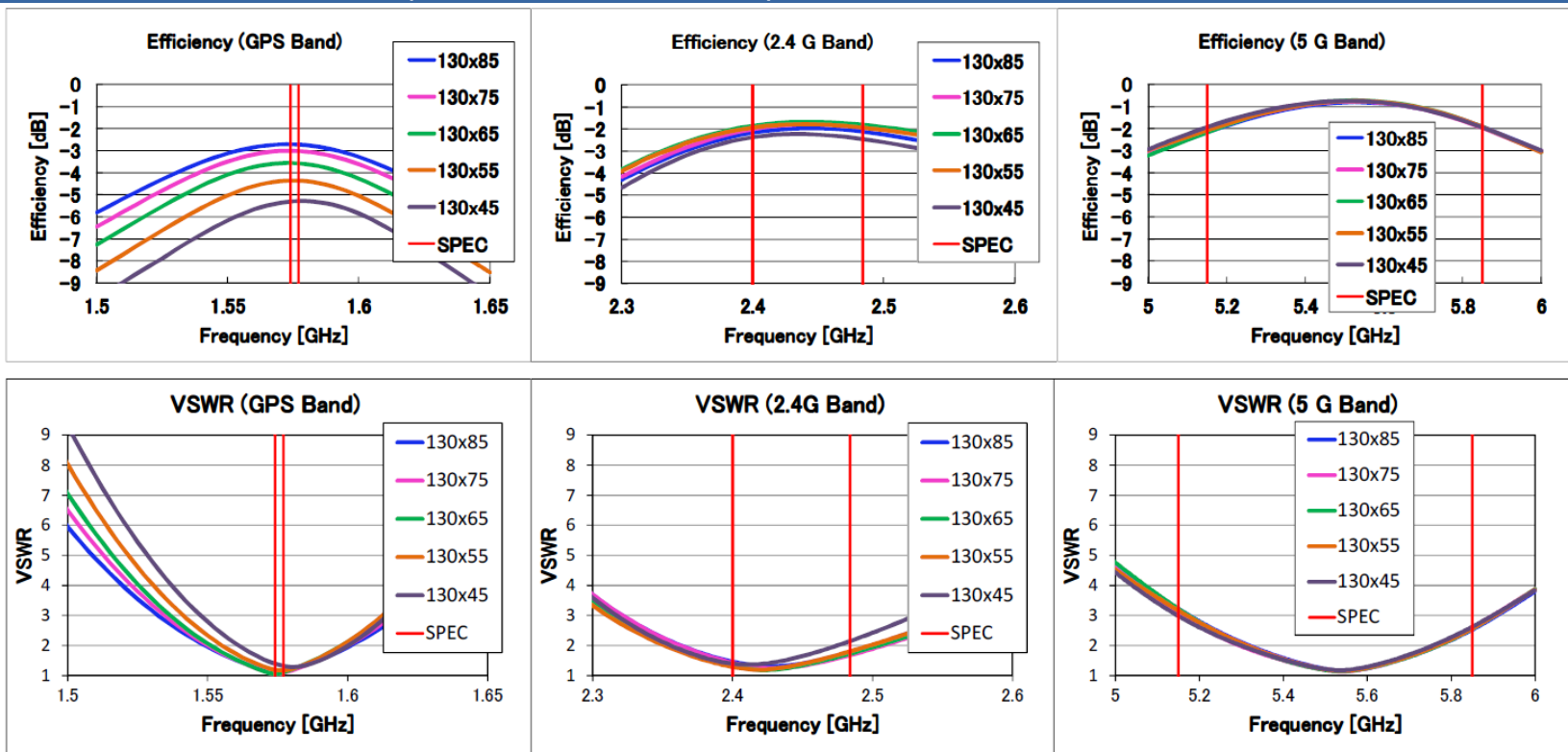
Antenna Location: Corner
 Board size: 130 x W x 1 mm²
 Antenna keep out area: 16 x 6 mm²



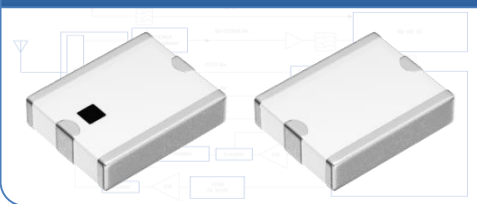
TECHNICAL REMARKS

- PCB size is changed in the condition of fixed antenna position.
- Width W of PCB is 85, 75, 65, 55 and 45 mm.
- L: 130 mm, PCB thickness: 1 mm

VSUR & EFFICIENCY (SIMULATION RESULTS)



ANT025020LCT1575MA1

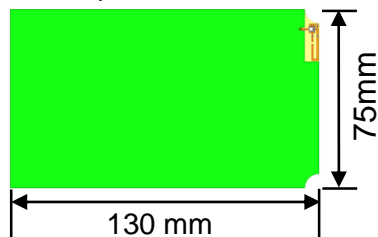


Dimensions (mm)

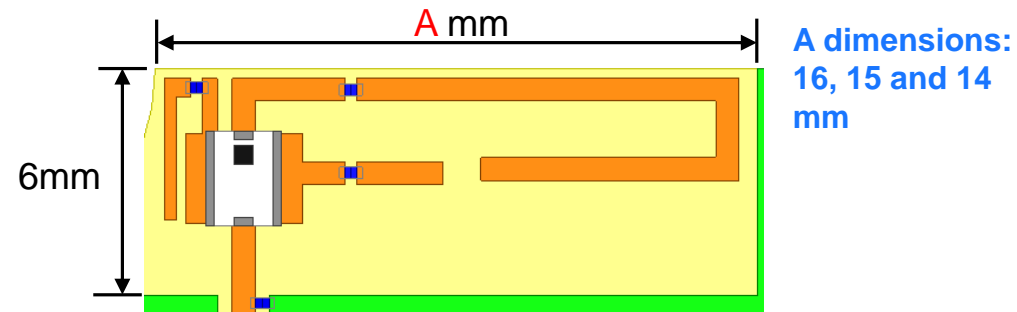
L	W	T
2.50	2.00	0.70
±0.20	±0.20	Max.

EVALUATION BOARD

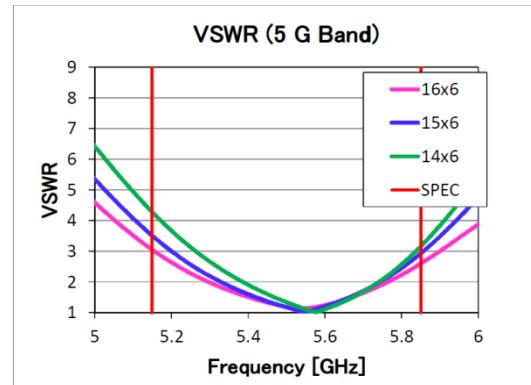
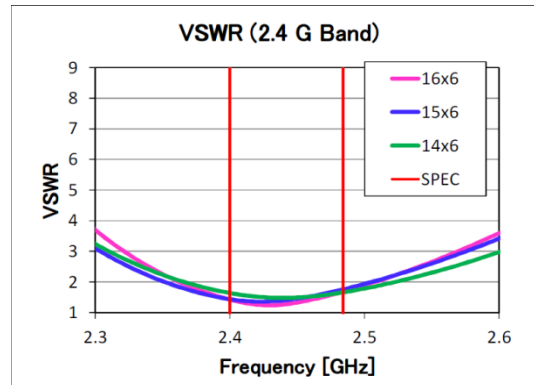
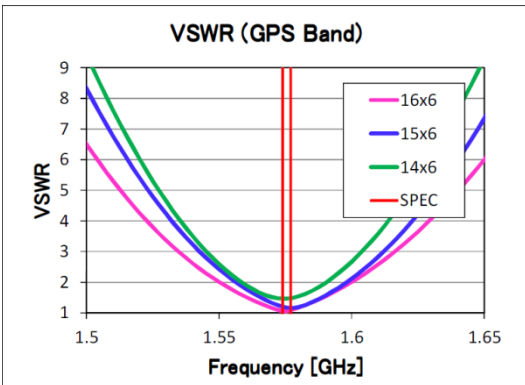
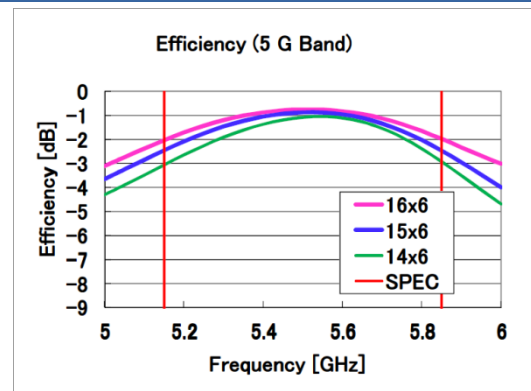
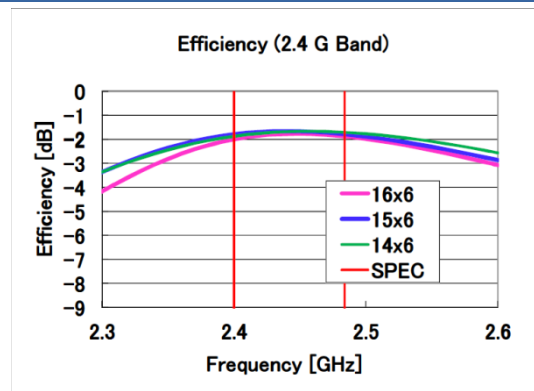
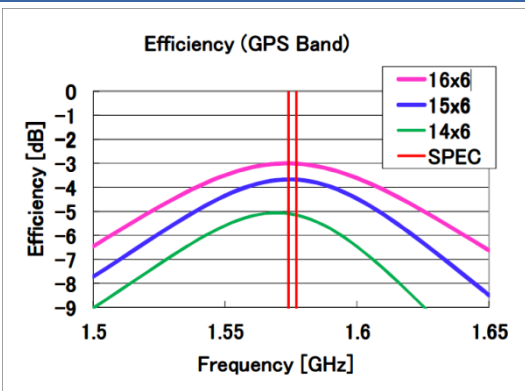
Antenna Location: Corner
 Board size: 130 x 75 x 1 mm²
 Antenna keep out area: A x 6 mm²



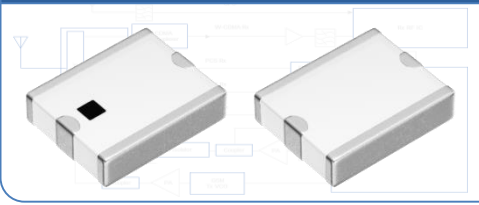
KEEP-OUT AREA



▶ VSWR & EFFICIENCY (SIMULATION RESULTS)



ANT025020LCT1575MA1

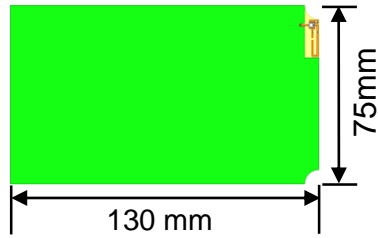


Dimensions (mm)

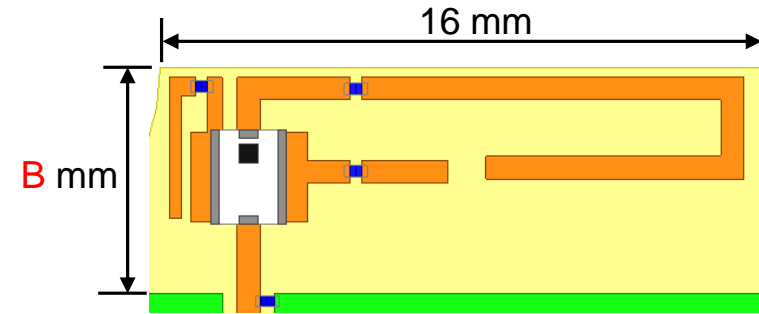
L	W	T
2.50	2.00	0.70
±0.20	±0.20	Max.

EVALUATION BOARD

Antenna Location: Corner
 Board size: 130 x 75 x 1 mm²
 Antenna keep out area: 16 x B mm²

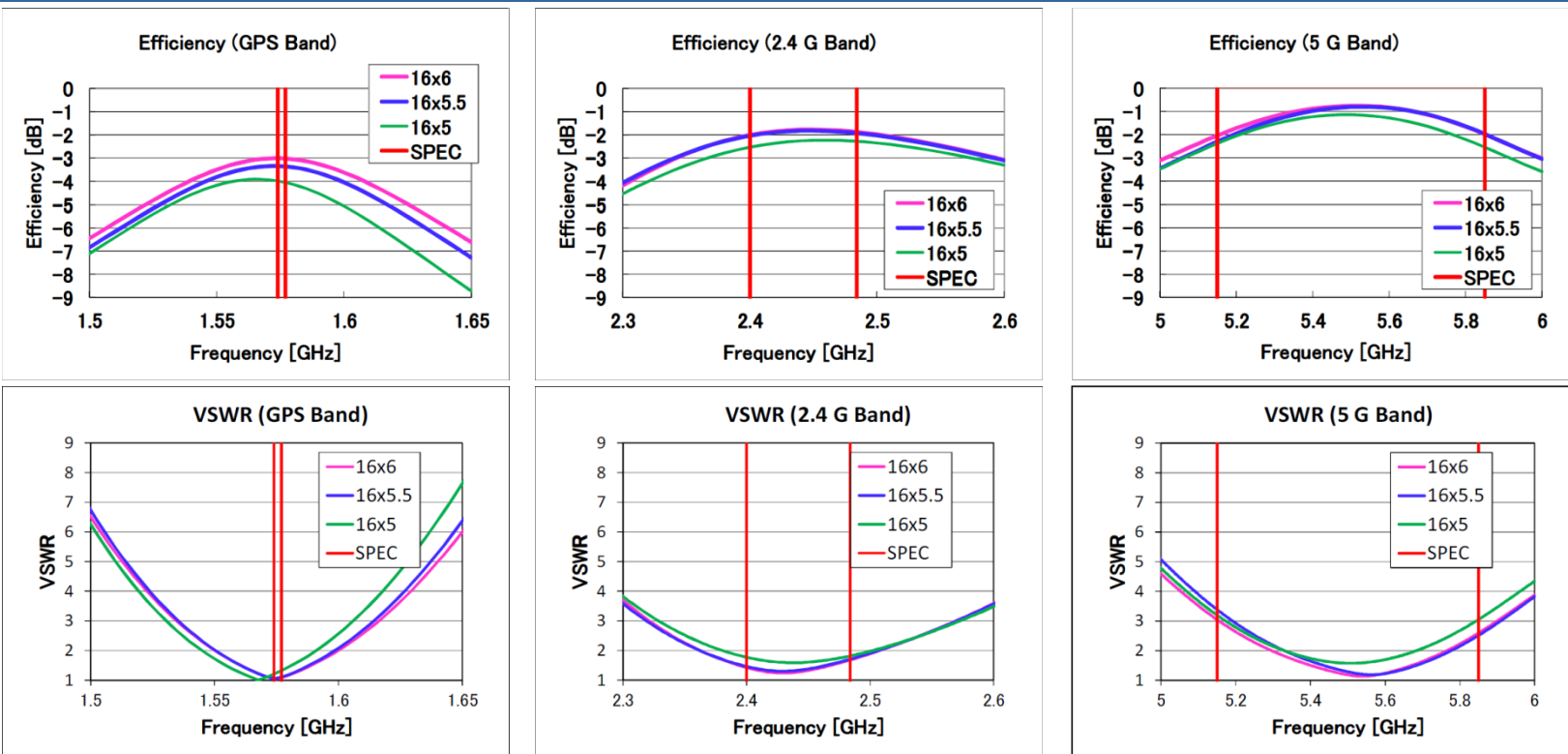


KEEP-OUT AREA

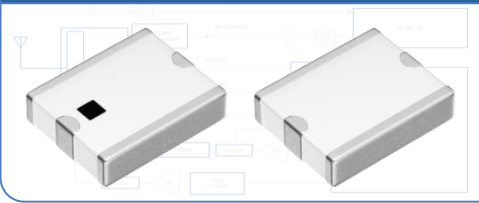


**B dimensions:
6.0, 5.5 and 5.0 mm**

VSUR & EFFICIENCY (SIMULATION RESULTS)



ANT025020LCT1575MA1

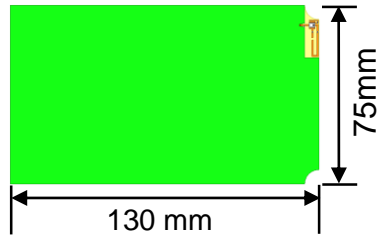


Dimensions (mm)

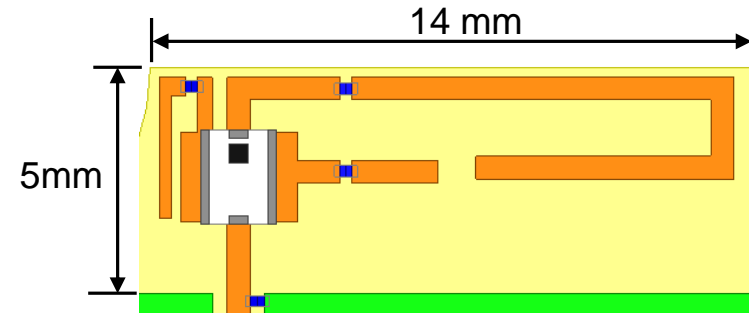
L	W	T
2.50	2.00	0.70
±0.20	±0.20	Max.

EVALUATION BOARD

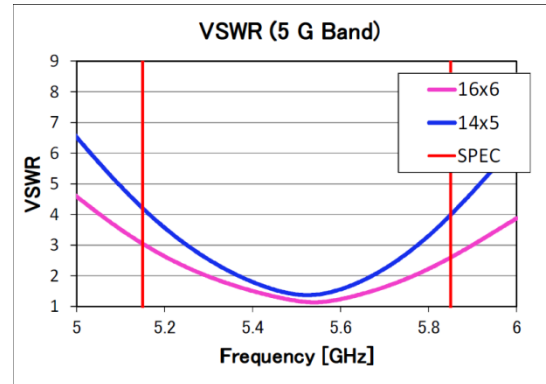
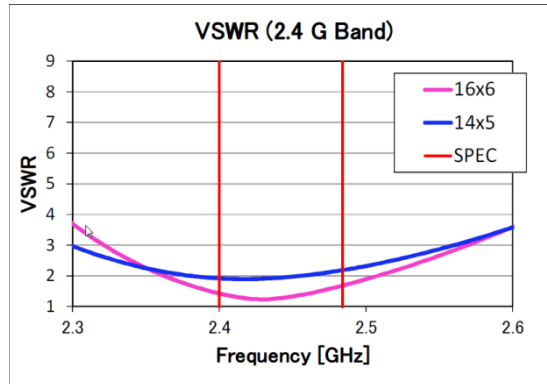
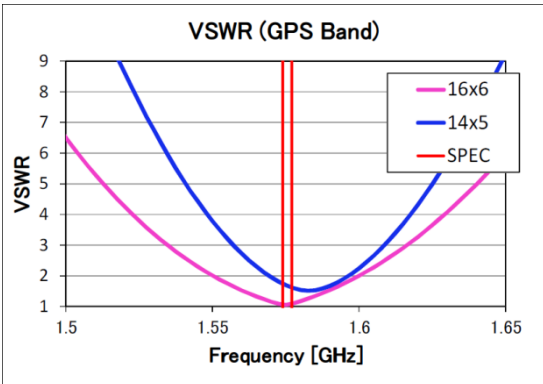
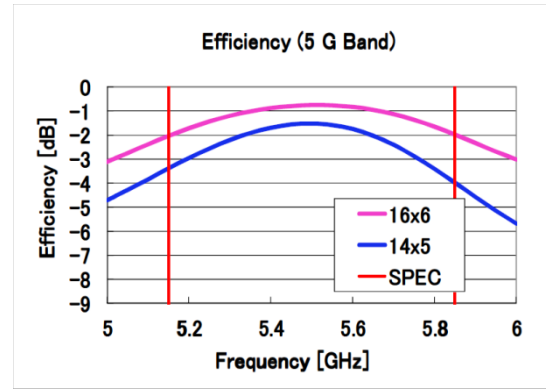
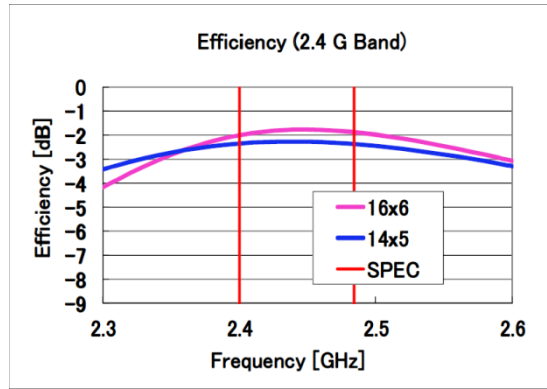
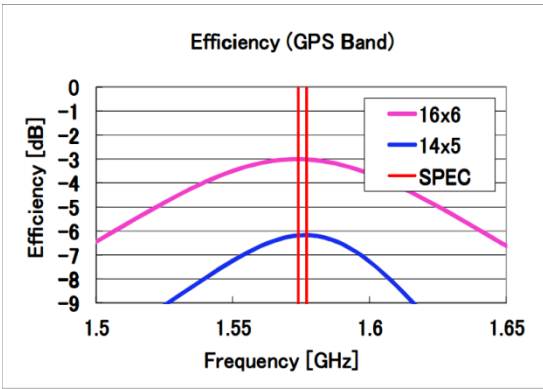
Antenna Location: Corner
 Board size: 130 x 75 x 1 mm²
 Antenna keep out area: 14 x 5 mm²



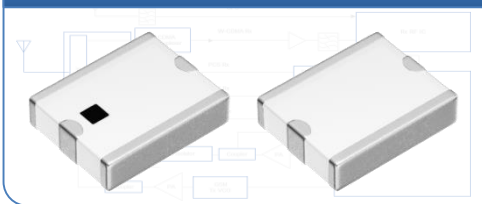
KEEP-OUT AREA



▶ VSWR & EFFICIENCY (SIMULATION RESULTS)



ANT025020LCT1575MA1

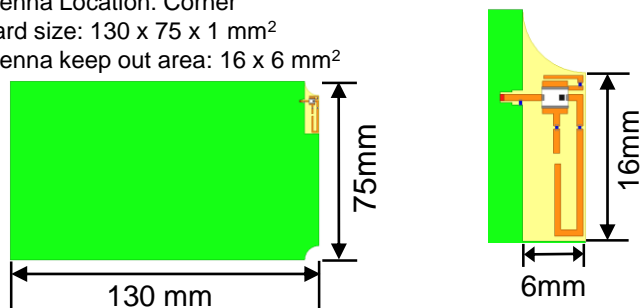


Dimensions (mm)

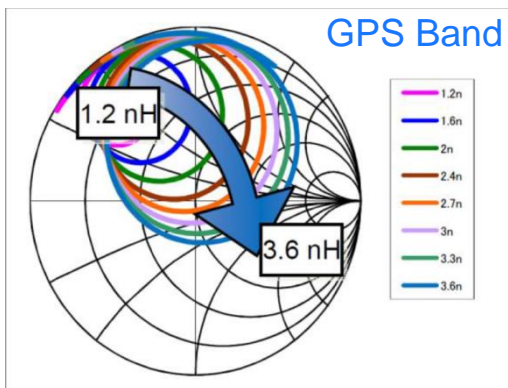
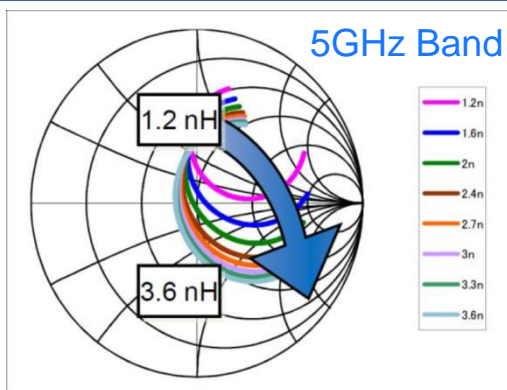
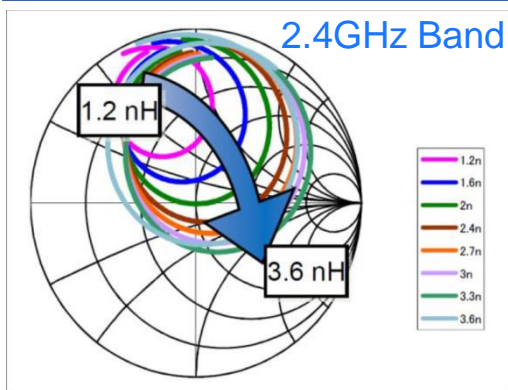
L	W	T
2.50	2.00	0.70
±0.20	±0.20	Max.

EVALUATION BOARD

Antenna Location: Corner
 Board size: 130 x 75 x 1 mm²
 Antenna keep out area: 16 x 6 mm²

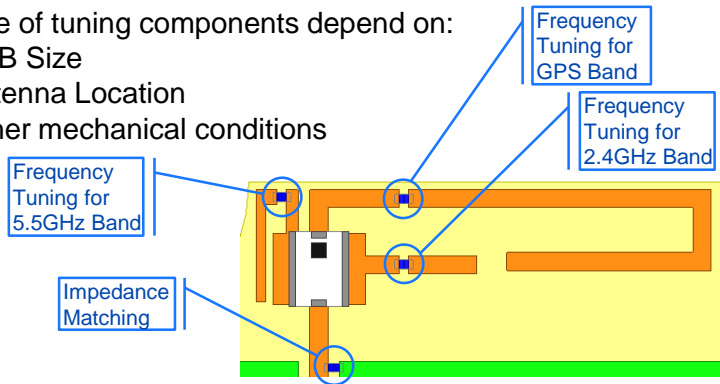


IMPEDANCE MATCHING (SIMULATION RESULTS)



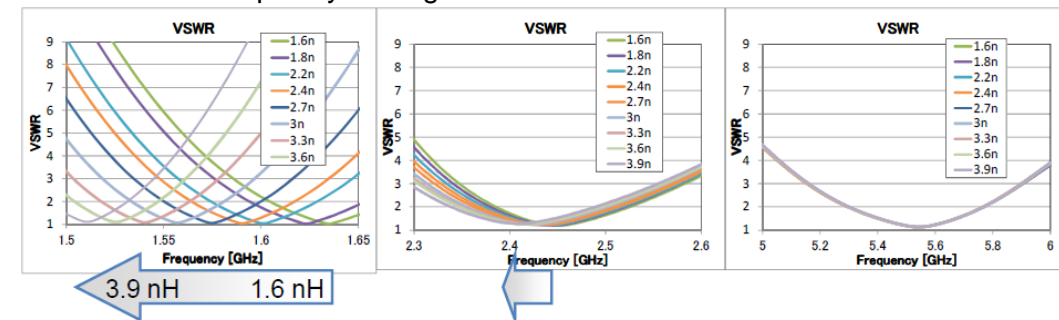
Value of tuning components depend on:

- PCB Size
- Antenna Location
- Other mechanical conditions

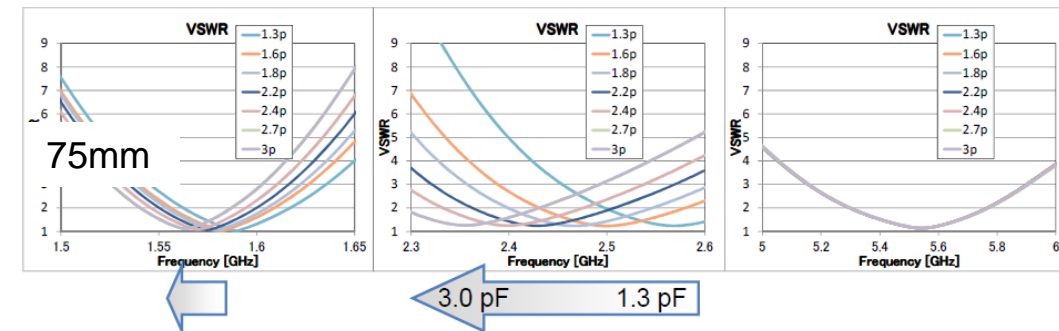


FREQUENCY TUNING (SIMULATION RESULTS)

GPS Band Frequency Tuning



2.4GHz Band Frequency Tuning



5.5GHz Band Frequency Tuning

