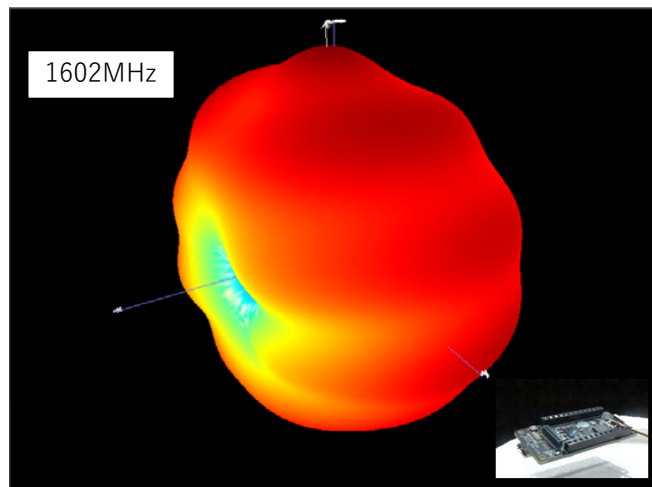
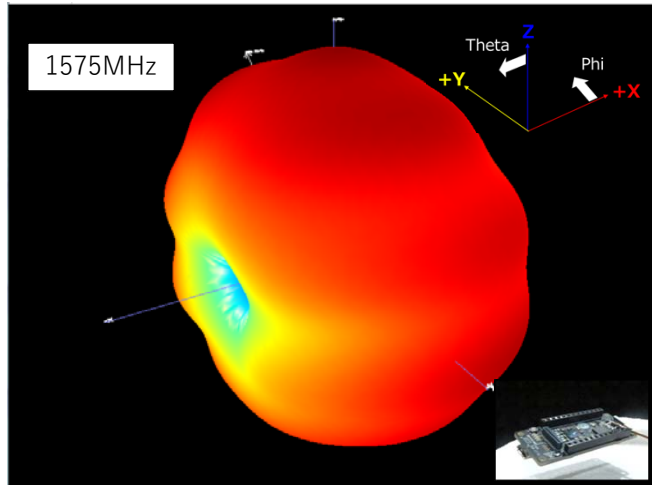


The characteristics of GNSS antenna

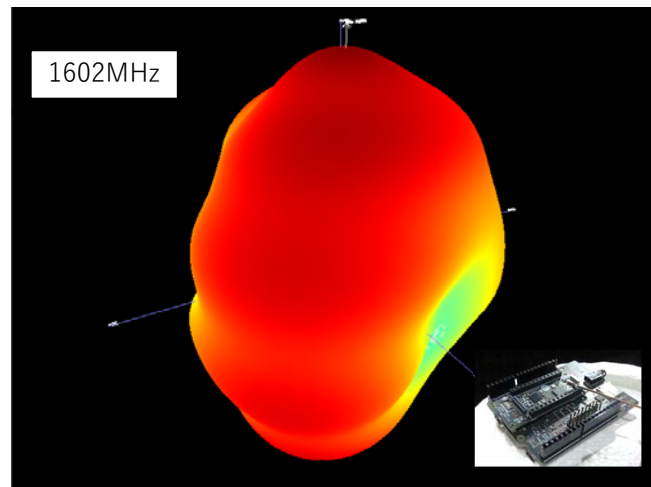
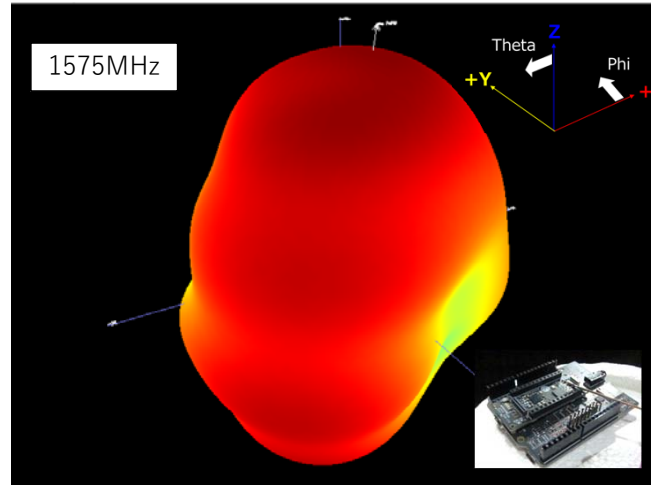
■ Measurement result 1

- Main Board



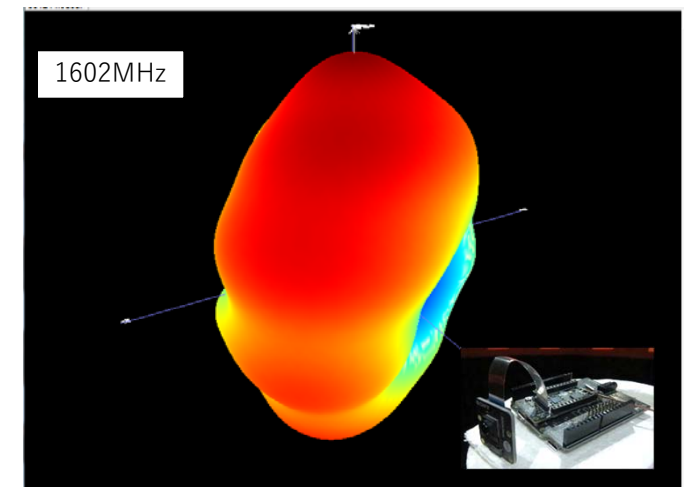
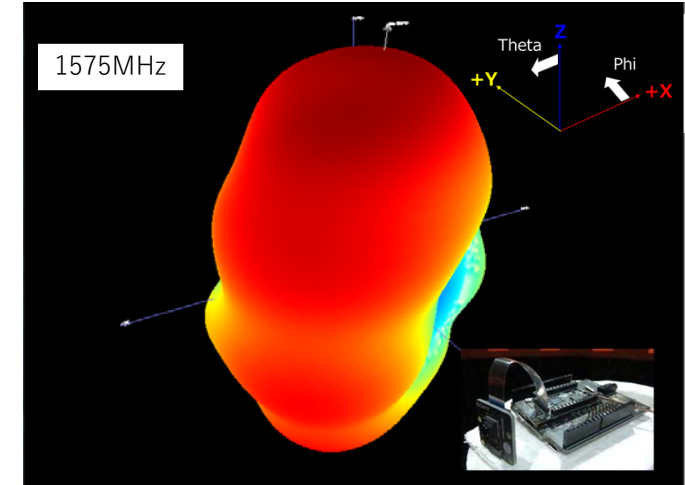
■ Measurement result 2

- Main Board and Ext. Board



■ Measurement result 3

- Main, Ext. and Camera Board

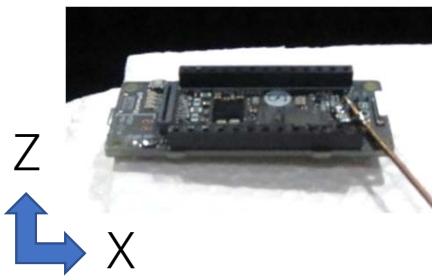
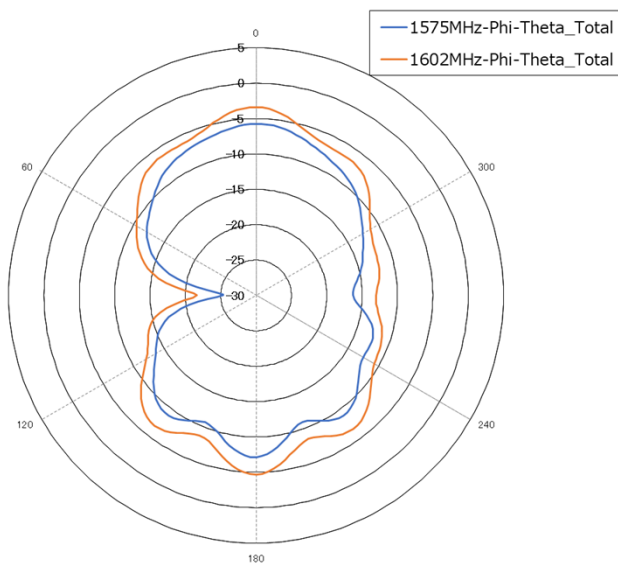


#The measurement results were taken from same aspect of the pictures on the right bottom side.

Total gain in two-dimensional plane (Main board)

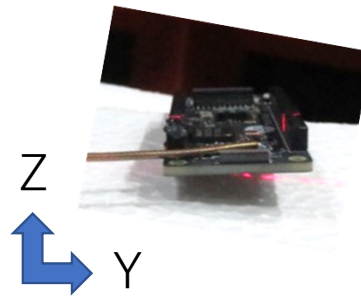
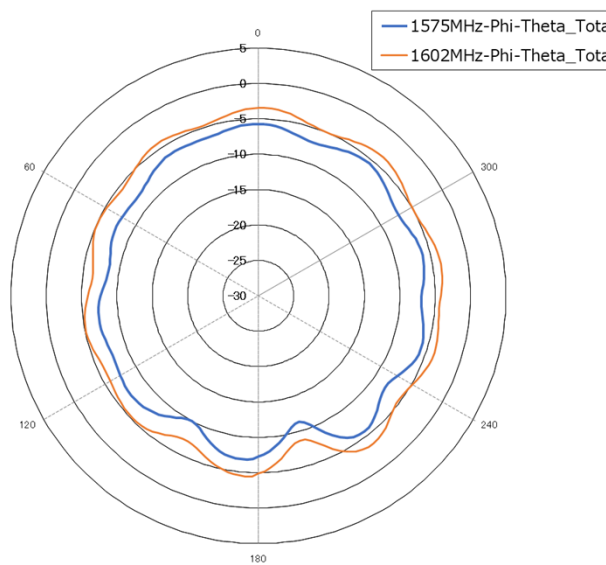
■ Measurement result 1

- ZX plane



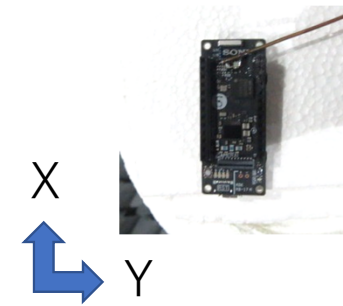
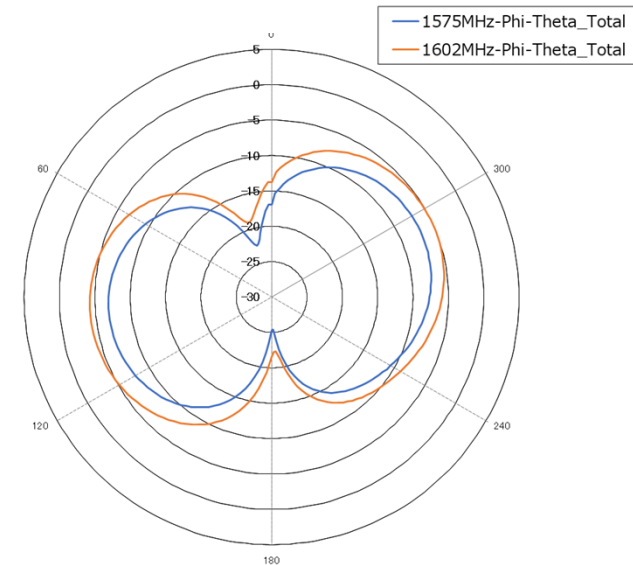
■ Measurement result 2

- ZY plane



■ Measurement result 3

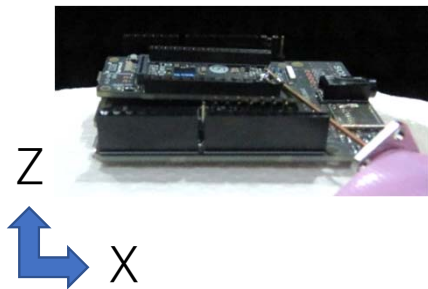
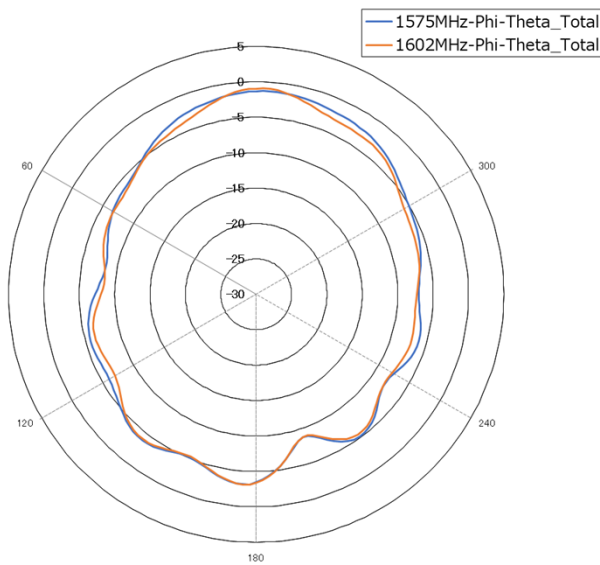
- XY plane



Total gain in two-dimensional plane (Main board + Ext board)

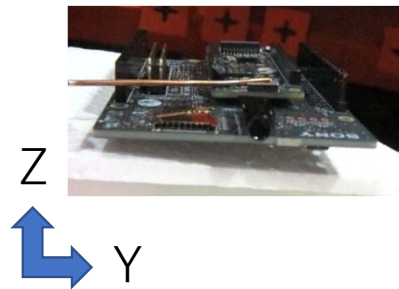
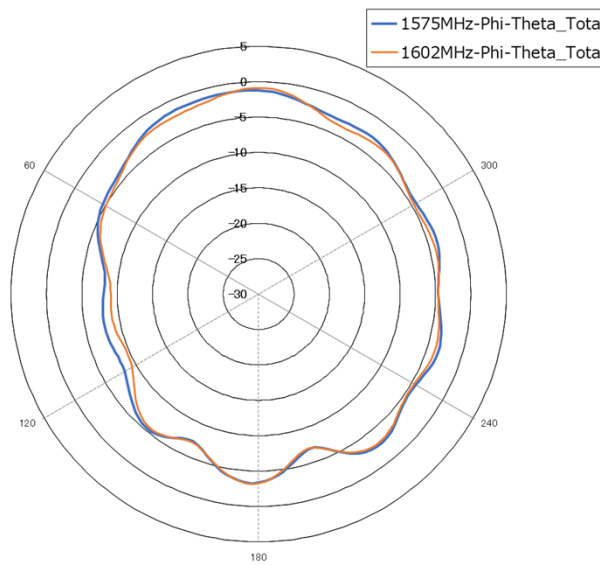
■ Measurement result 1

- ZX plane



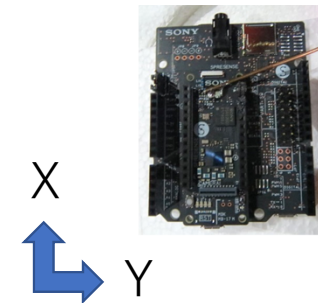
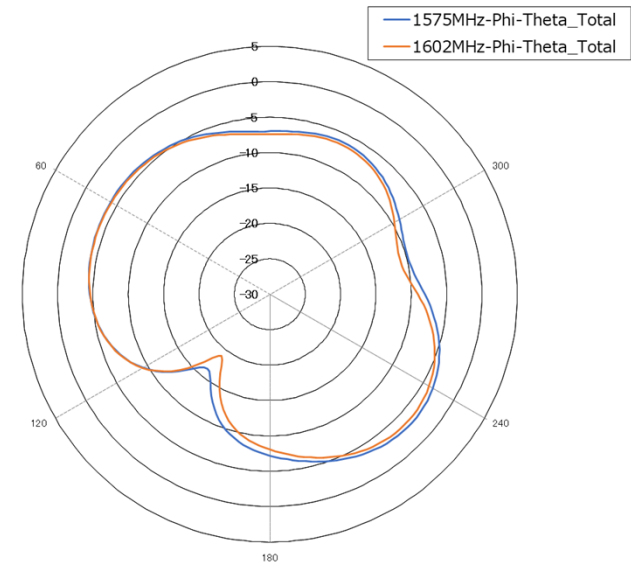
■ Measurement result 2

- ZY plane



■ Measurement result 3

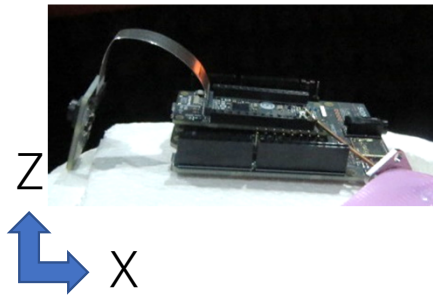
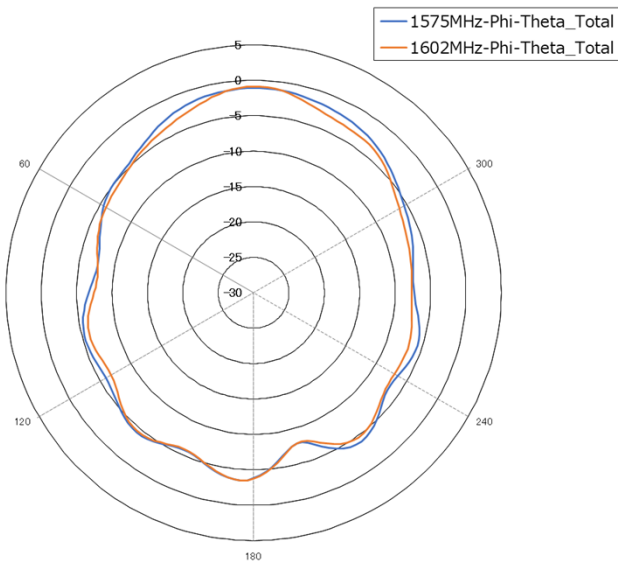
- XY plane



Total gain in two-dimensional plane (Main + Ext + Camera board)

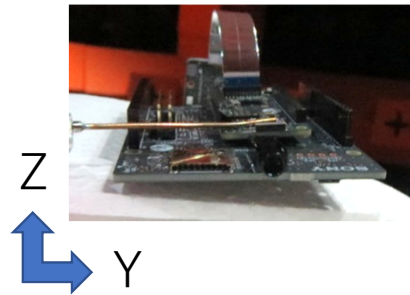
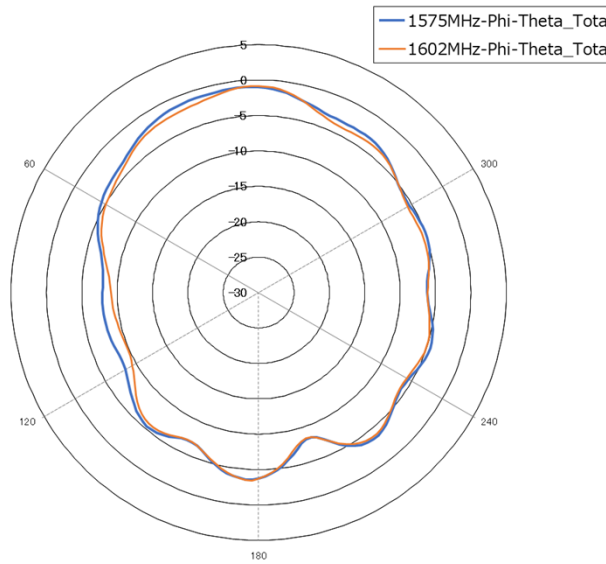
■ Measurement result 1

- ZX plane



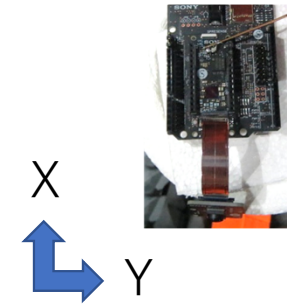
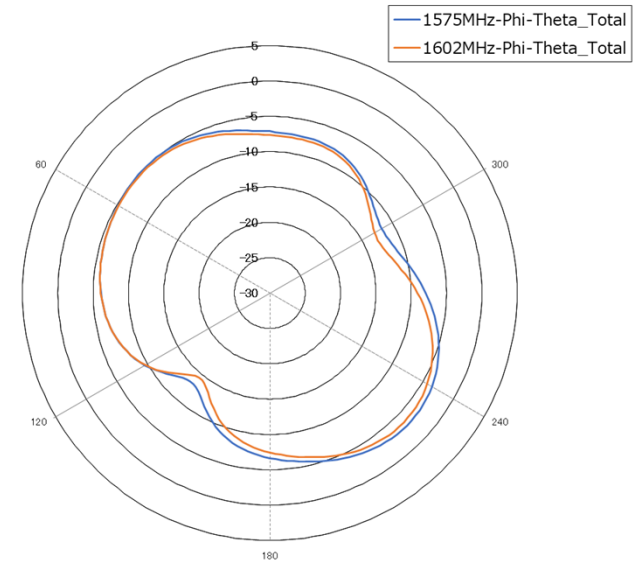
■ Measurement result 2

- ZY plane



■ Measurement result 3

- XY plane



The gain values of the antenna

Main Board

	1575MHz			1602MHz		
Gain	Peak	Average of upper hemisphere(+z)	Overall average	Peak	Average of upper hemisphere(+z)	Overall average
[dBic]	-5.6	-7.9	-8.4	-3.4	-5.9	-6.2

Main Board and Ext. Board

	1575MHz			1602MHz		
Gain	Peak	Average of upper hemisphere(+z)	Overall average	Peak	Average of upper hemisphere(+z)	Overall average
[dBic]	-1.2	-3.6	-4.2	-0.9	-4.0	-4.6

Main, Ext. and Camera Board

	1575MHz			1602MHz		
Gain	Peak	Average of upper hemisphere(+z)	Overall average	Peak	Average of upper hemisphere(+z)	Overall average
[dBic]	-0.9	-3.6	-4.4	-0.9	-4.0	-4.9