

## **Bluetooth Antenna Information**

### **(RA6213000)**

- Description

YAESU custom Bluetooth Antenna.

Model name : ANTENNA (BT) BA6213000

Part number : RA6213000

- Antenna Type

1/4λ Inverted-L Antenna

- Theoretical maximum antenna gain

2.14dBi

- Actual antenna gain (peak)

-2.1dBi

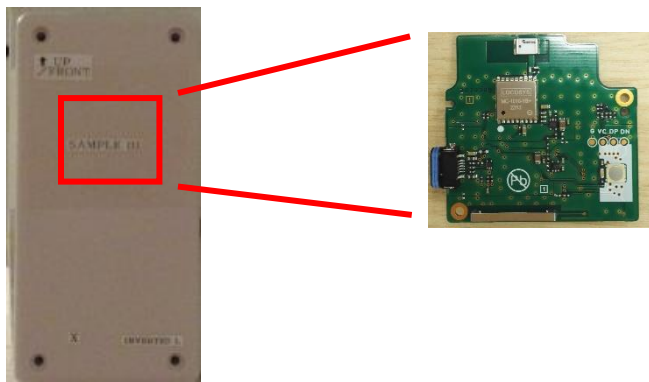
- Dimension

See drawing No.BA6213000

## Antenna radiation pattern measurement

### ■ EUT Setting

EUT places in the box. And the antenna faces as shown below.



### ■ Measurement Setting

X-axis



Y-axis



Z-axis

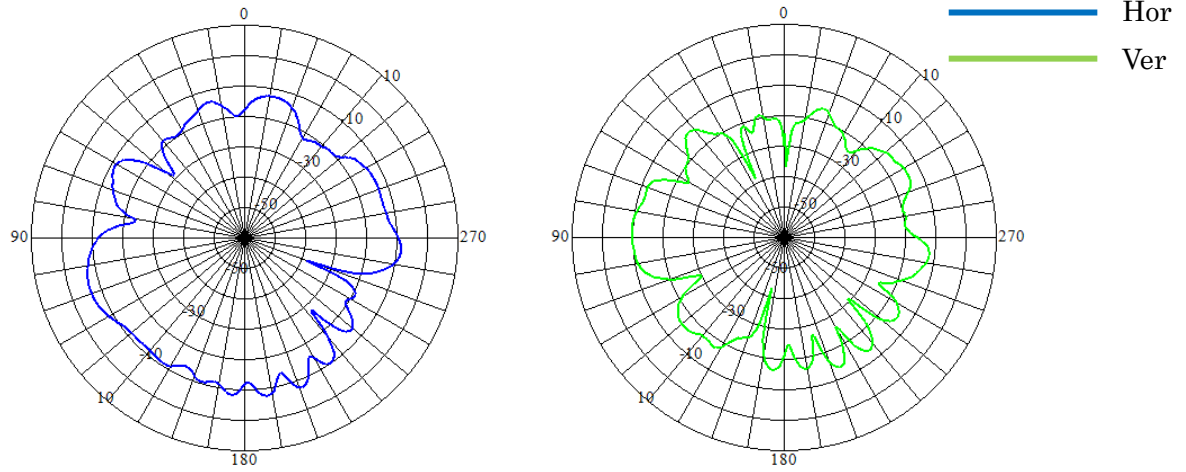


■ Measurement results

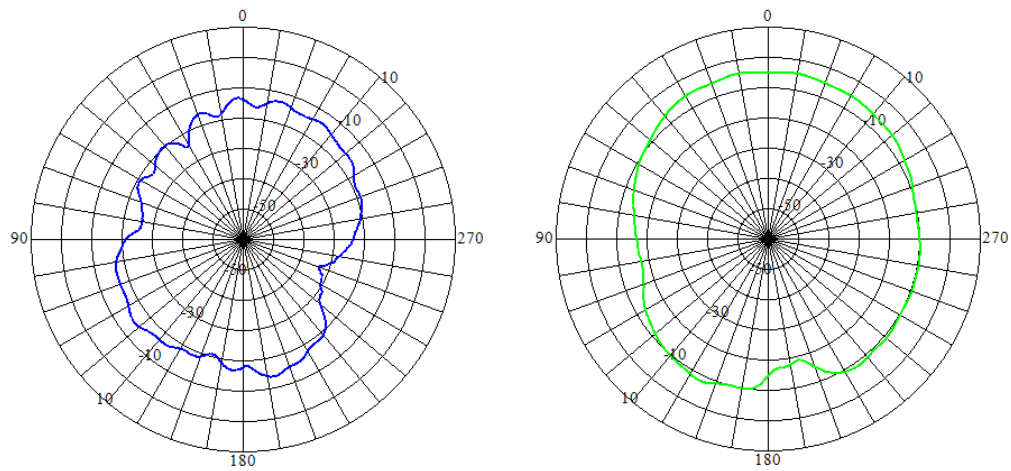
2402MHz					
			MAX	MIN	AVE
H	X		-6.5	-34.8	-12.3
V			-9.7	-43.0	-16.2
H	Y		-12.9	-33.6	-17.7
V			-4.4	-18.9	-8.5
H	Z		-4.3	-24.8	-9.3
V			-9.4	-33.9	-13.7
2440MHz					
			MAX	MIN	AVE
H	X		-5.6	-36.8	-11.6
V				-11.4	-37.8
H	Y		-9.9	-42.9	-15.8
V				-2.9	-20.3
H	Z		-2.2	-23.2	-7.6
V				-8.0	-35.9
2480MHz					
			MAX	MIN	AVE
H	X		-5.1	-34.2	-12.1
V				-11.8	-47.6
H	Y		-10.5	-34.6	-16.2
V				-2.1	-18.3
H	Z		-2.6	-23.9	-7.7
V				-9.4	-35.1

2402MHz

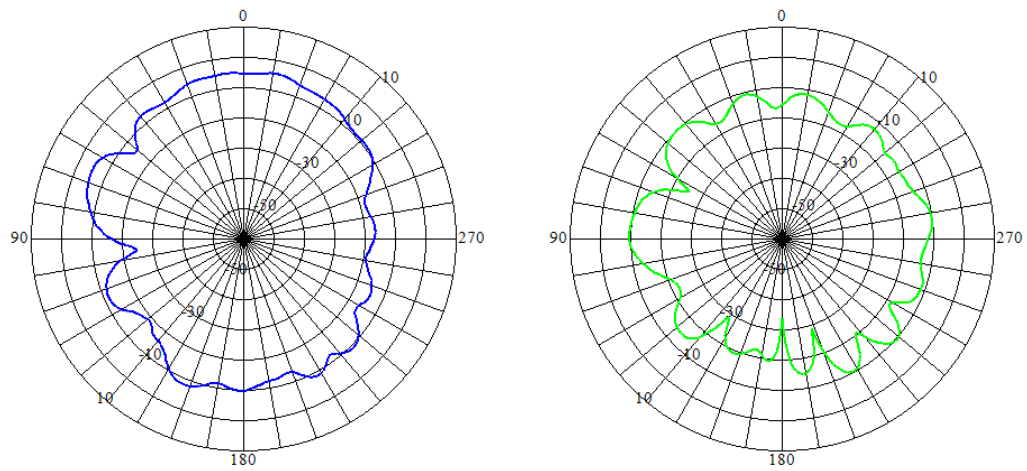
X-axis



Y-axis

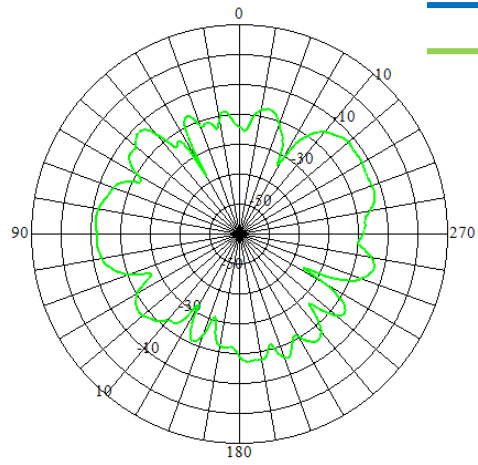
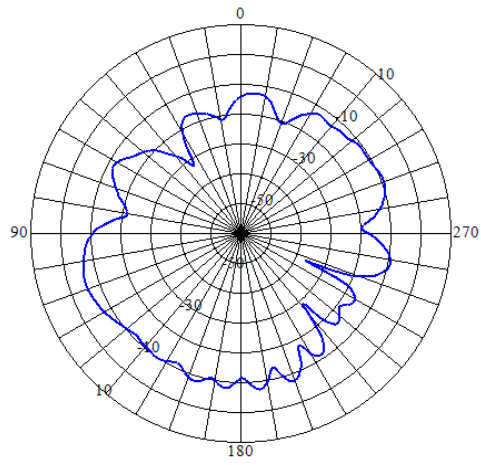


Z-axis



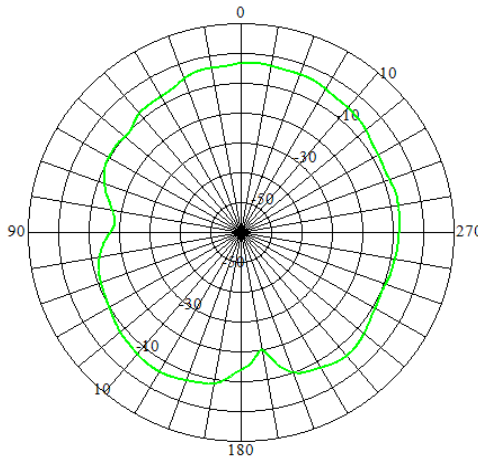
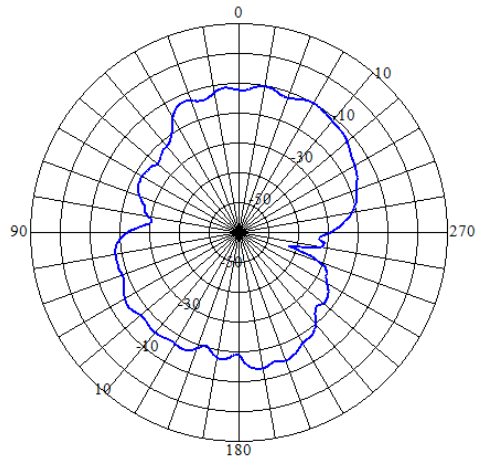
2440MHz

X-axis

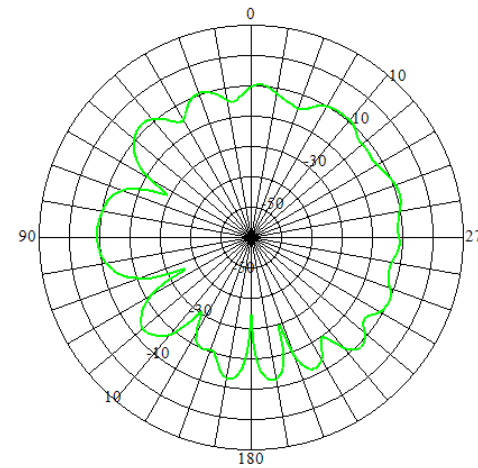
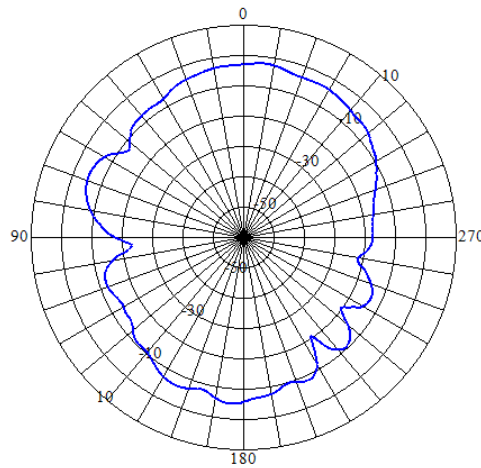


— Hor  
— Ver

Y-axis

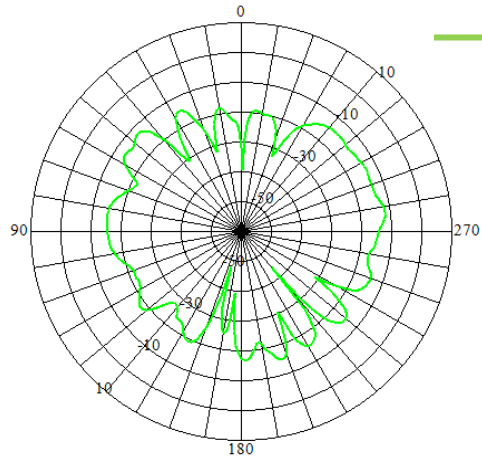
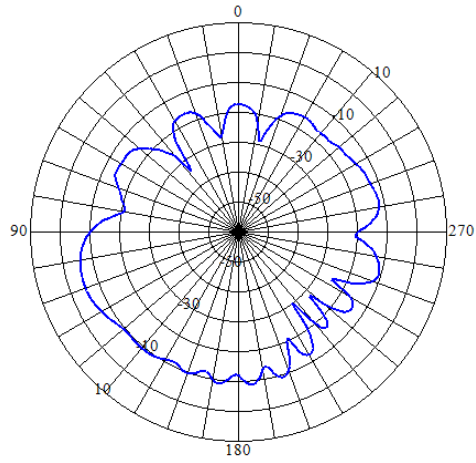


Z-axis



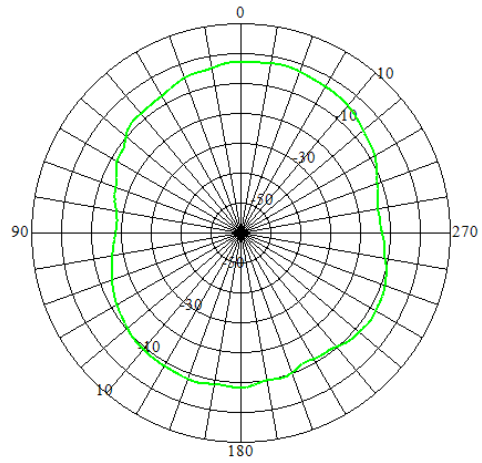
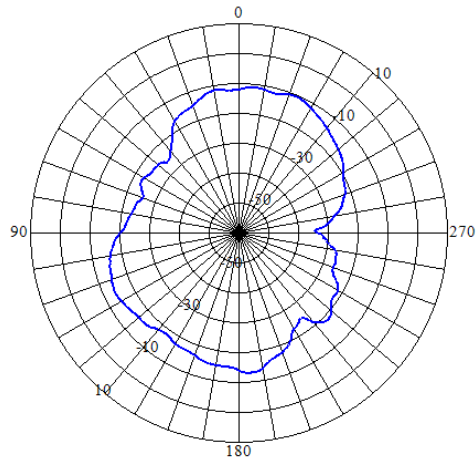
2480MHz

X-axis

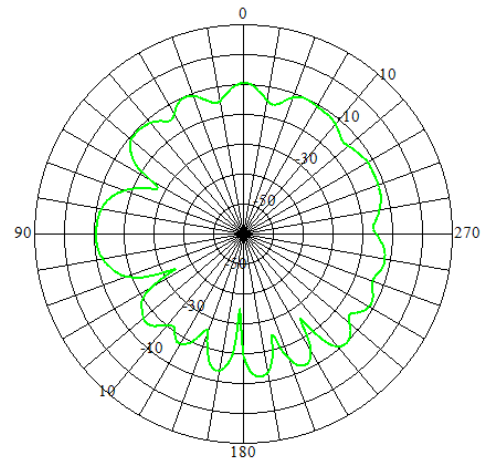
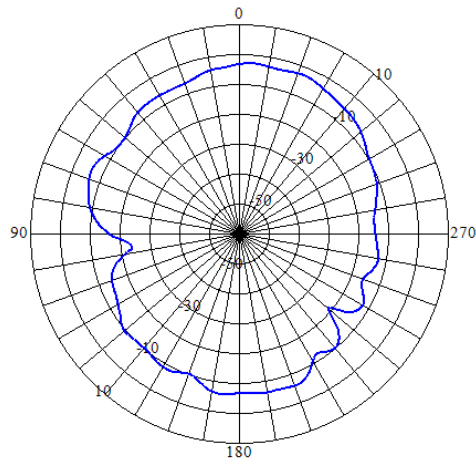


— Hor  
— Ver

Y-axis

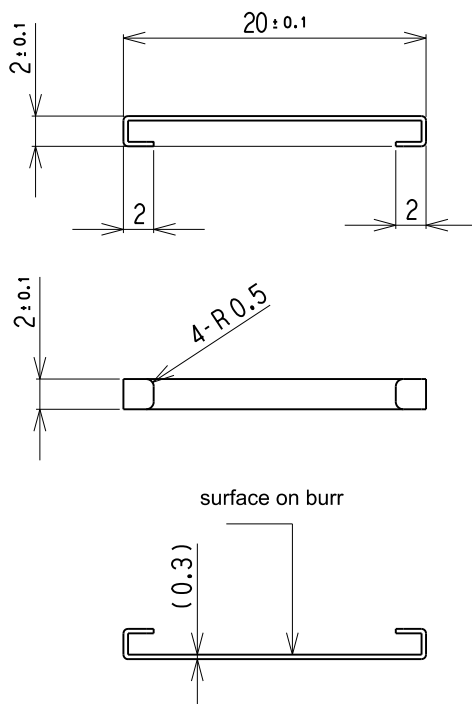


Z-axis



GENERAL TOLERANCE		± mm	
DIMENSION	TOLERANCE	DIMENSION	TOLERANCE
- 3	0.07	50 - 80	0.23
3 - 6	0.09	80 - 120	0.27
6 - 10	0.11	120 - 180	0.32
10 - 18	0.14	180 - 250	0.36
18 - 30	0.16	250 - 315	0.40
30 - 50	0.20	315 - 400	0.44

000000000	DO NOT SCALE
MARK/DATE	REVISIONS NAME



RoHS2(2011/65/EU)

Do not include the harmful substance in environment  
(1.Cr(VI) 2.Cd 3.Pb 4.Hg 5.PBBs 6.PBDEs)

SURFACE TREATMENT : Degreasing cleaning 3D

MATERIAL : SPTE t0.3

NOTE : PRODUCTION No. NO05U

PROJ. 	UNIT mm	ANGLE ± °	SCALE 2:1	TITLE ANTENNA(BT)
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APPROVED 2018.06.11 山崎	CHECKED 2018.06.11 飯束	DESIGNED 2018.03.26 百瀬	DRAWING 2018.06.11 百瀬	DRAWING No. BA6213000
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**YAESU MUSEN CO., LTD.** A4