

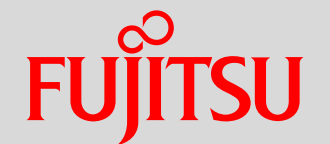
FWM7BLZ23

Antenna Characteristic

Mitsuki Kanda

Dec. 8, 2022

Fujitsu Component Ltd.



# Peak Gain

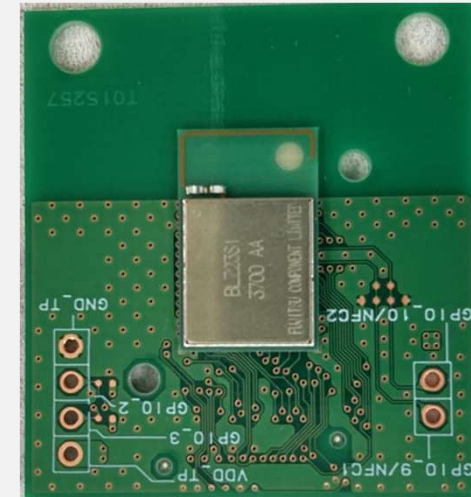
## ◆ FWM7BLZ23

## ◆ Antenna Mono-pole antenna

## ◆ Peak Gain

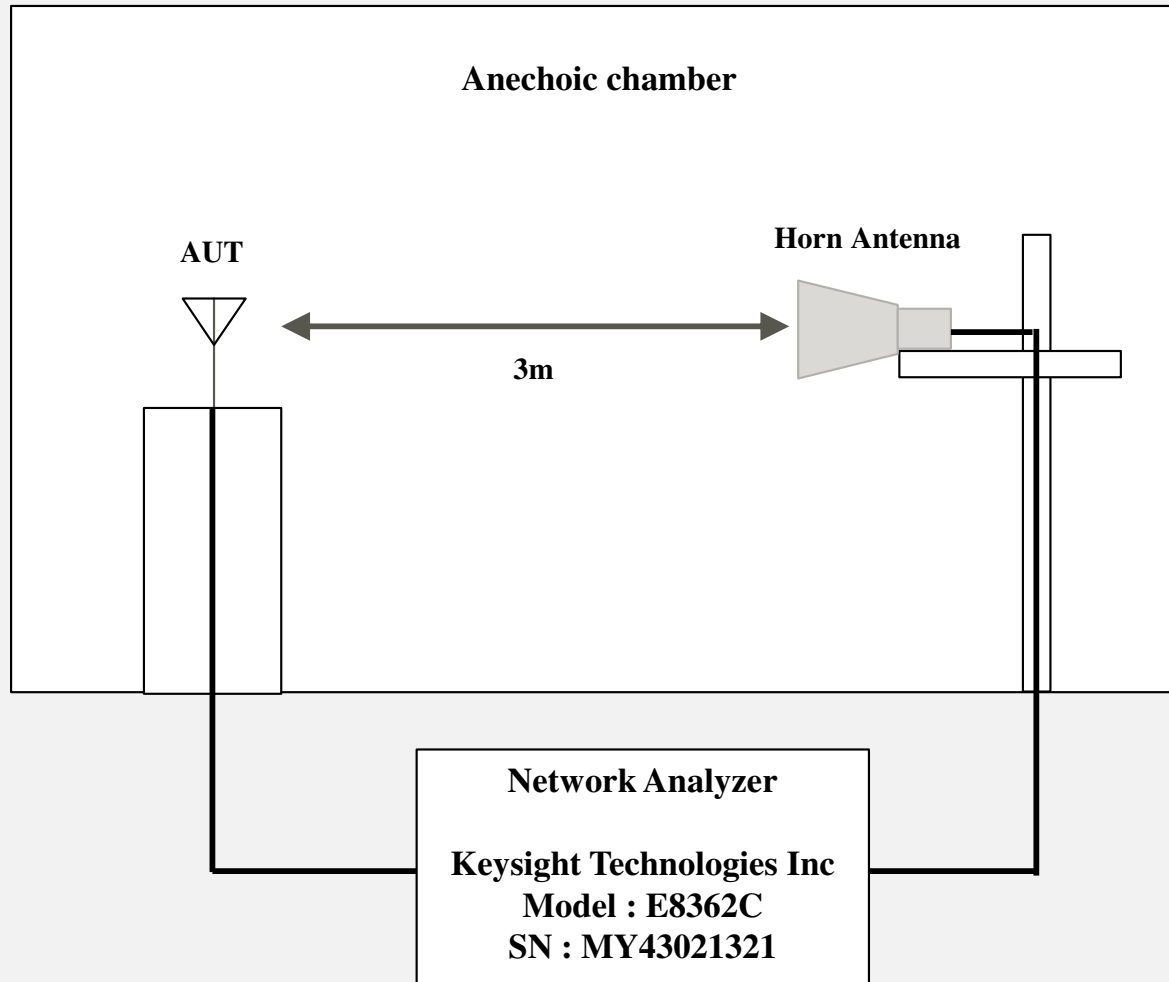
Frequency	2.4 GHz	2.45 GHz	2.5 GHz
Gain	-1.2 dBi	-0.7 dBi	-1.5 dBi

## ◆ Appearance



# Measurement

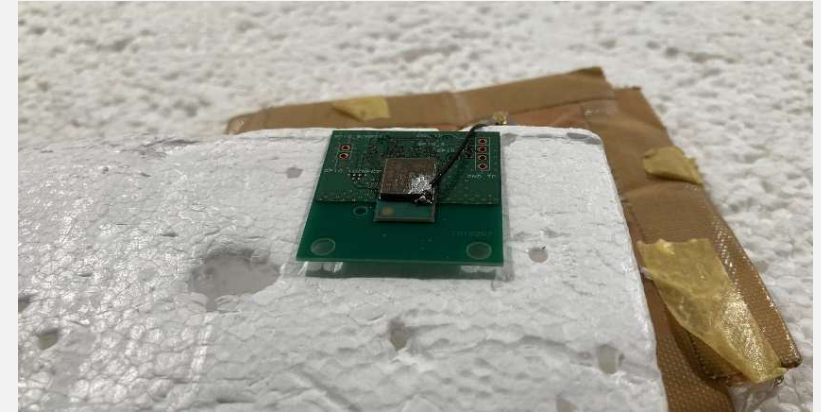
## ◆ Method : Standard Antenna Method (SAM)



# Measurement



**Photo 1 : Inside the chamber**



**Photo 2 : Front of AUT**

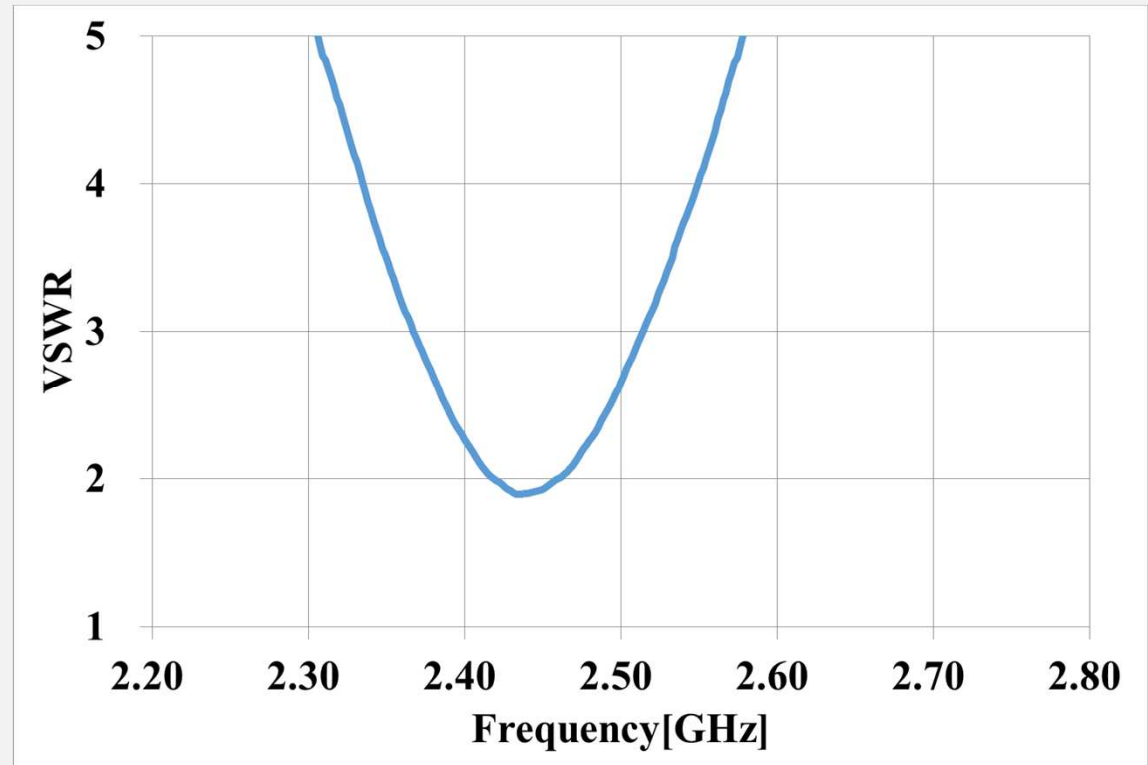
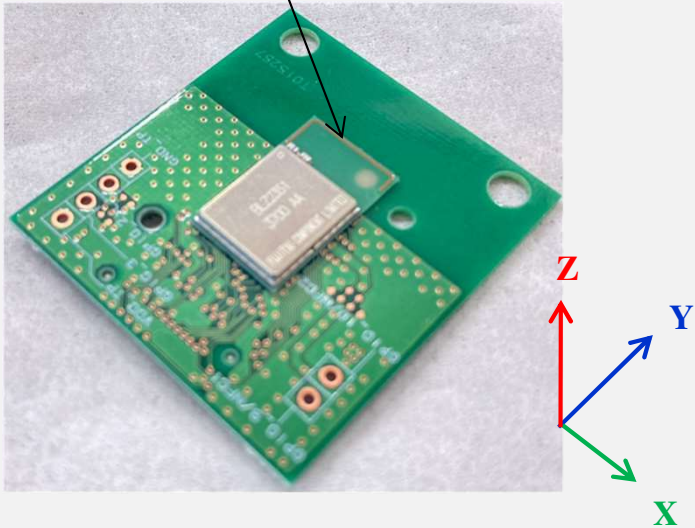


**Photo 3 : Side of AUT**

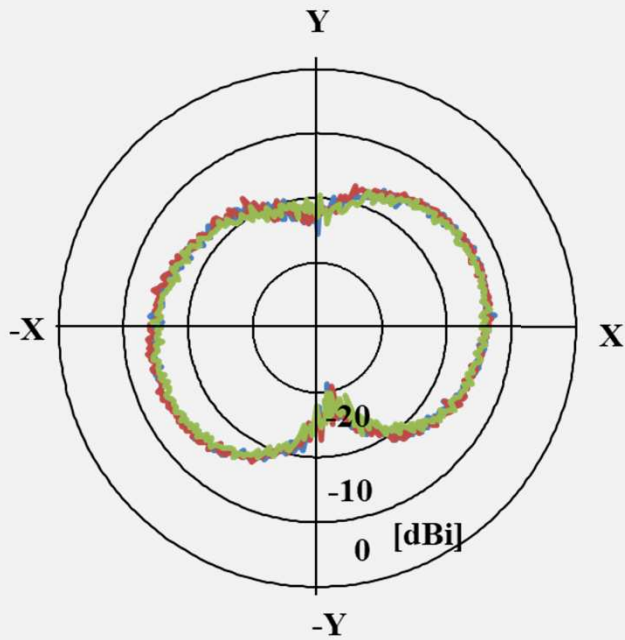
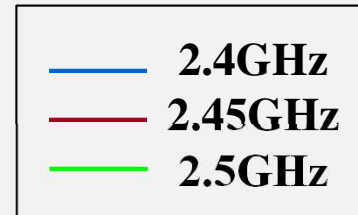
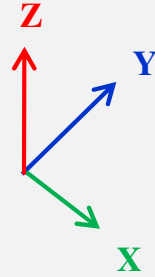
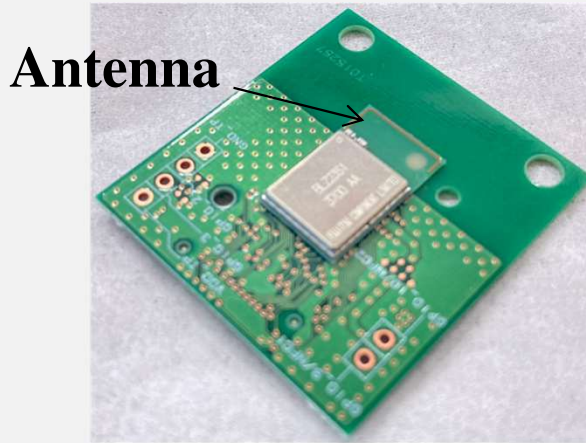
# VSWR

## ◆ FWM7BLZ23

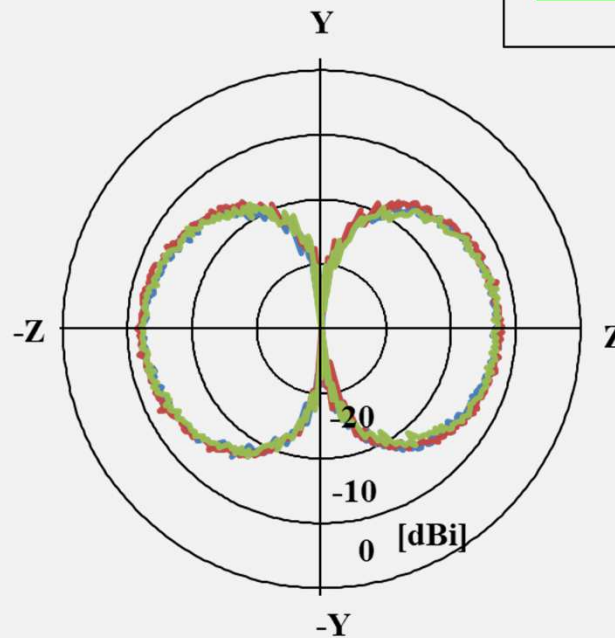
Antenna



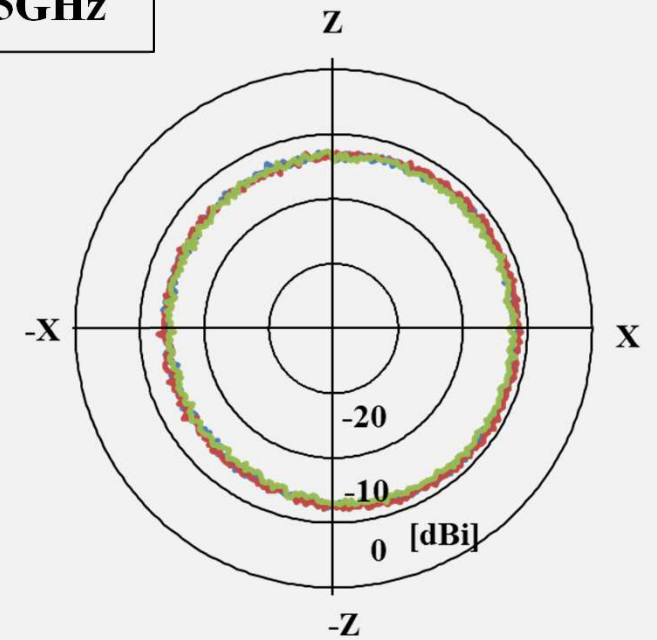
# Directivity



Horizontal Polarized wave (X-Y plane)




Horizontal Polarized wave (Y-Z plane)



Vertical Polarized wave (Z-X plane)

# XY/YZ/ZX Max,Min,Average

	X-Y(H)			Y-Z(H)			Z-X(V)		
	2.4GHz	2.45GHz	2.5GHz	2.4GHz	2.45GHz	2.5GHz	2.4GHz	2.45GHz	2.5GHz
<b>MAX.</b>	-2.5 dBi	-2.9 dBi	-3.1 dBi	-2.0 dBi	-1.5 dBi	-2.1 dBi	-1.2 dBi	-0.7 dBi	-1.5 dBi
<b>AVE.</b>	-6.5 dBi	-6.3 dBi	-6.8 dBi	-5.8 dBi	-5.3 dBi	-5.8 dBi	-2.9 dBi	-2.6 dBi	-3.2 dBi
<b>MIN.</b>	-21.2 dBi	-20.7 dBi	-19.8 dBi	-39.5 dBi	-37.3 dBi	-39.7 dBi	-5.3 dBi	-4.8 dBi	-5.3 dBi



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