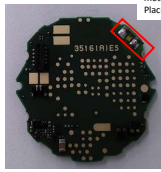
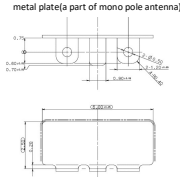


Antenna Specifications

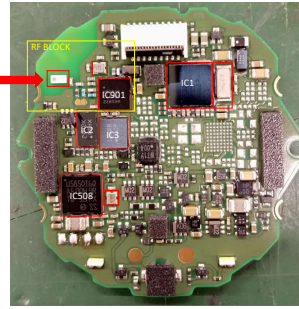
Model Name :	AT901+Supplemental Plate		
Antenna parts name :	QW3516BLEANT		
Manufacturer :	CASIO		
Type :	Mono Pole Antenna(consists with chip antenna and metal plate),Soldering		
Frequency :	2400~2484MHz		
Gain(peak) :	-3.1dBi		
Mechanical Dimensions(mm) :	see below	metal plate	



metal plate
Placed here



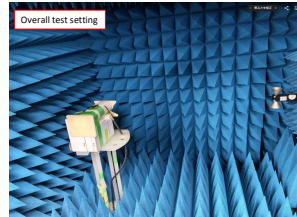
chip antenna
(a part of mono pole antenna)



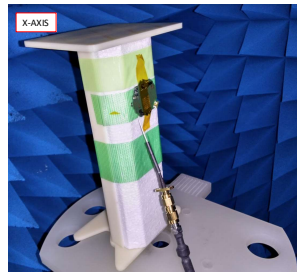
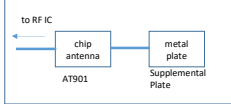
Date of test : 2022/6/9

Test engineer : Munetaka Seo

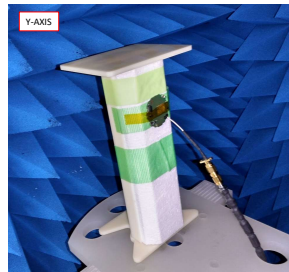
Test setup : Measure S21 parameter with reference antenna with CASIO original measuring system.



Equivalent circuit diagram;QW-3516BLEANT



X-AXIS

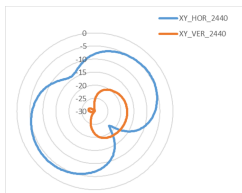
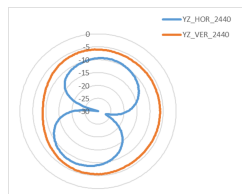
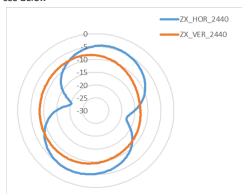


Y-AXIS



Z-AXIS

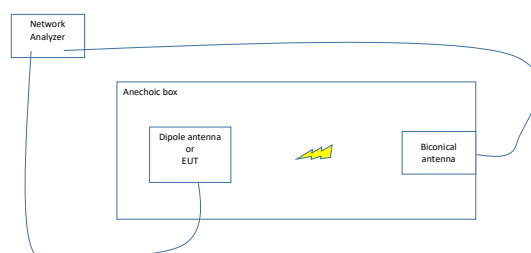
Radiation Pattern : see below



Test instruments :

Model	Manufacturer	Description
E5080A	KEYSIGHT	Network analyzer
MBA203	Microwave Factory	Biconical antenna
5B-055-94-94-3000	Candox Systems	Coaxial cable
5B-055-94-94-6000	Candox Systems	Coaxial cable
D20140037K	Japan Shielded Enclosures	Anechoic box
MA5612 B4	ANRITSU	Dipole antenna

Test procedure :



1. Set dipole antenna in the box, and measure S_{21} parameter(result1).
2. Replace dipole antenna with EUT, and measure S_{21} parameter(result2).
3. Calculate EUT spec from result1 and result2.