



SA-7722 PCB ANTENNA TEST REPORT

Date: 2021-10-18

Table of Contents



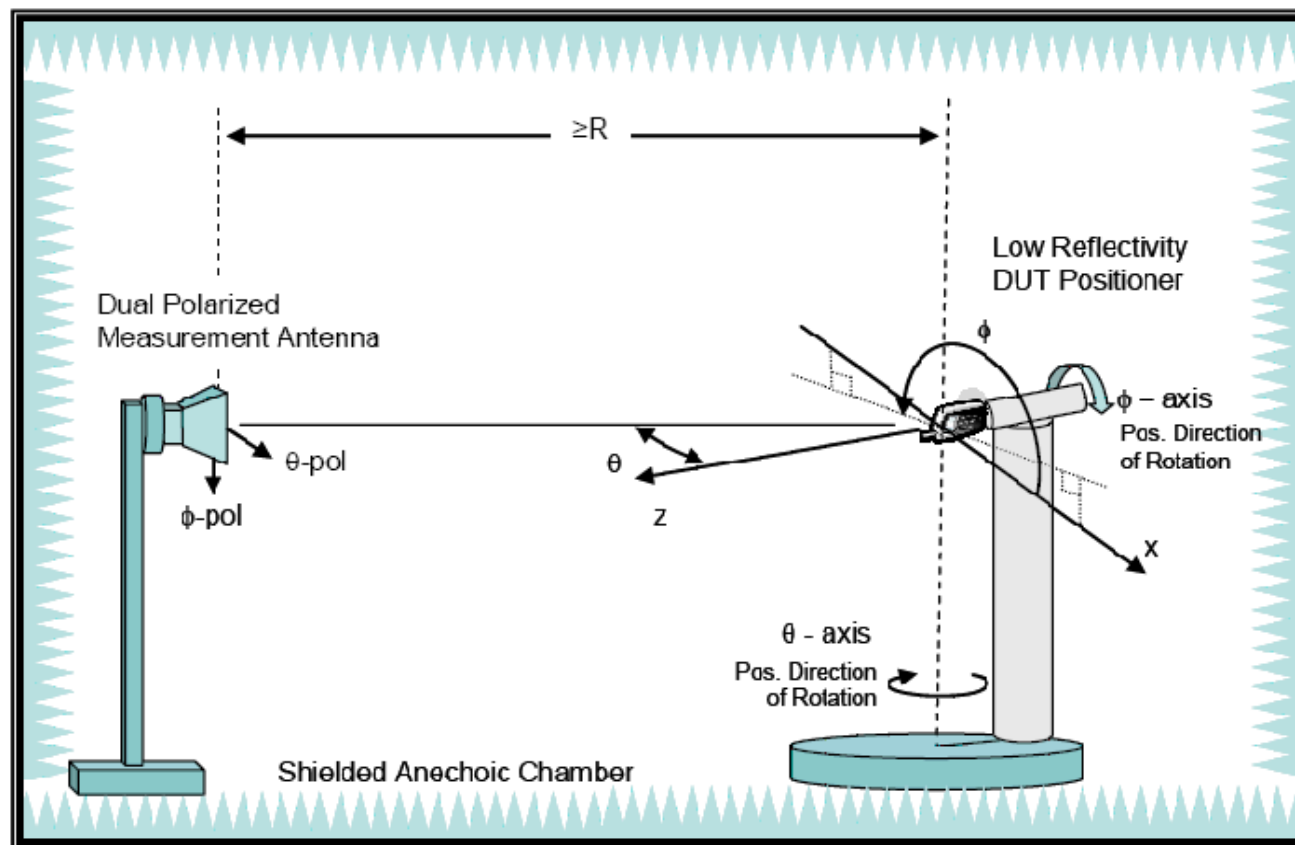
A. Antenna Testing Conditions

1. Test System
2. Antenna Under Test
3. Antenna Placement

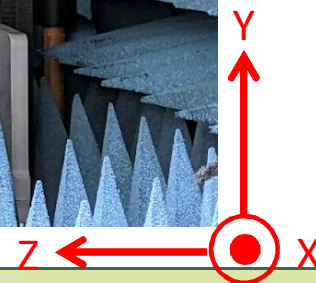
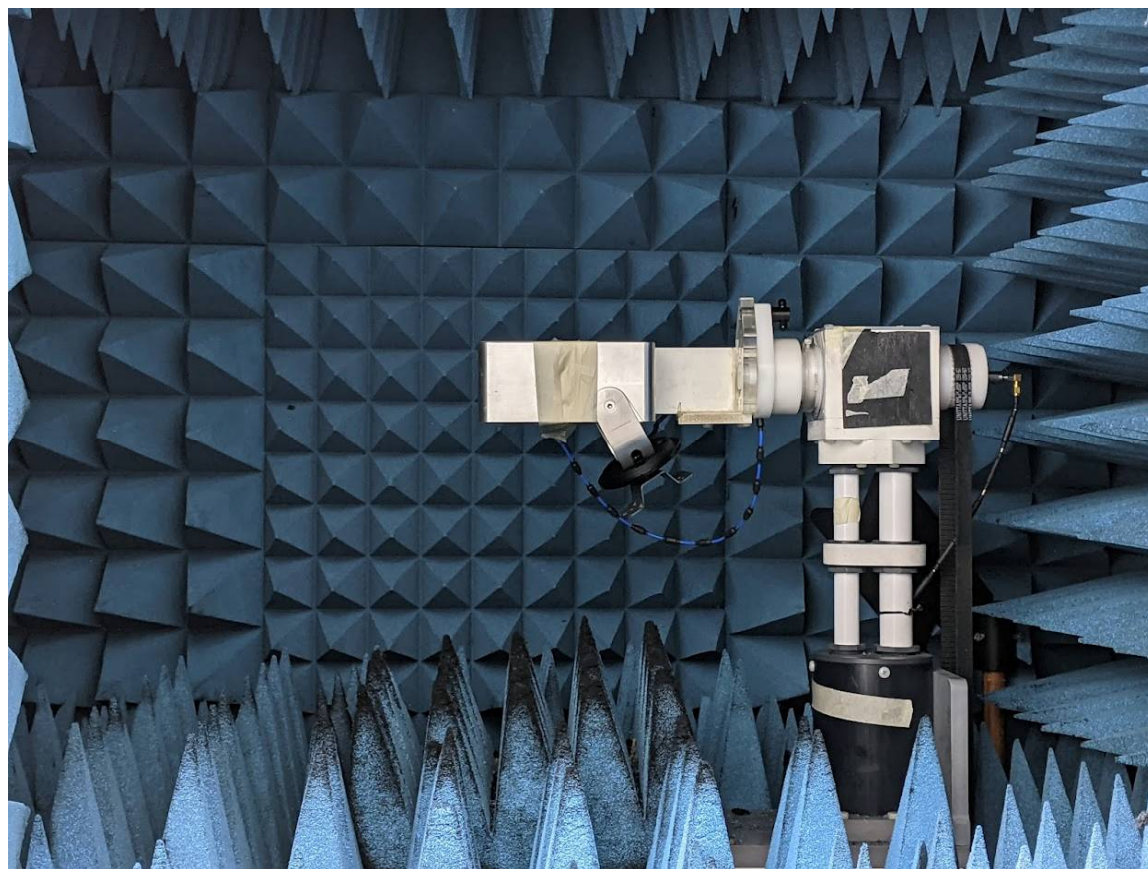
B. Antenna RF Characteristics

1. Return loss and Isolation
2. Gain Table
3. 2D & 3D Radiation Pattern

Antenna Test System



Antenna Under Test



碧擎科技有限公司
Bi Qing Technology Co., Ltd.
桃園市大園區中正東路三段588號

OCT_2021

ANT S-Parameter



碧擎科技有限公司
Bi Qing Technology Co., Ltd.
桃園市大園區中正東路三段588號

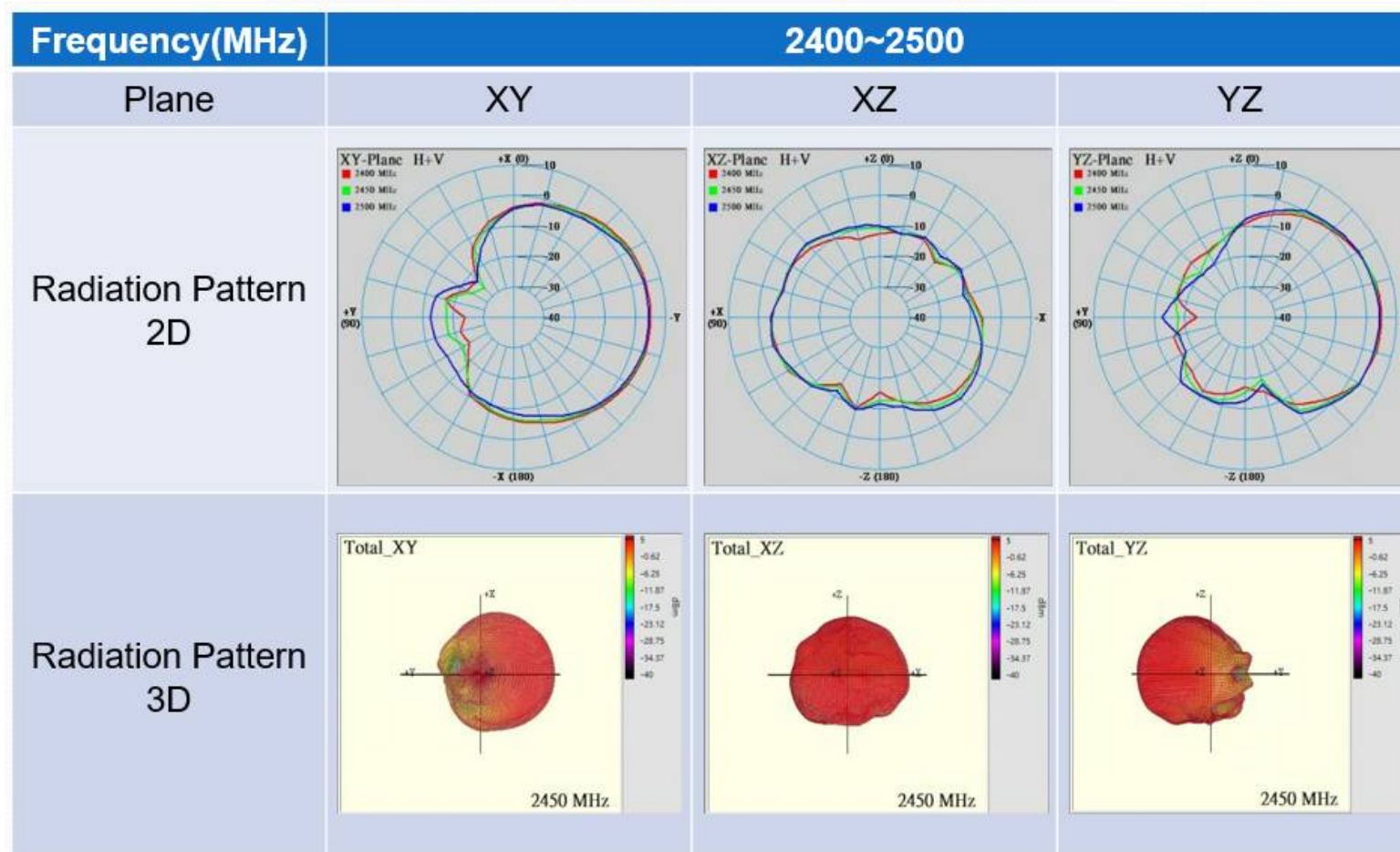
OCT_2021



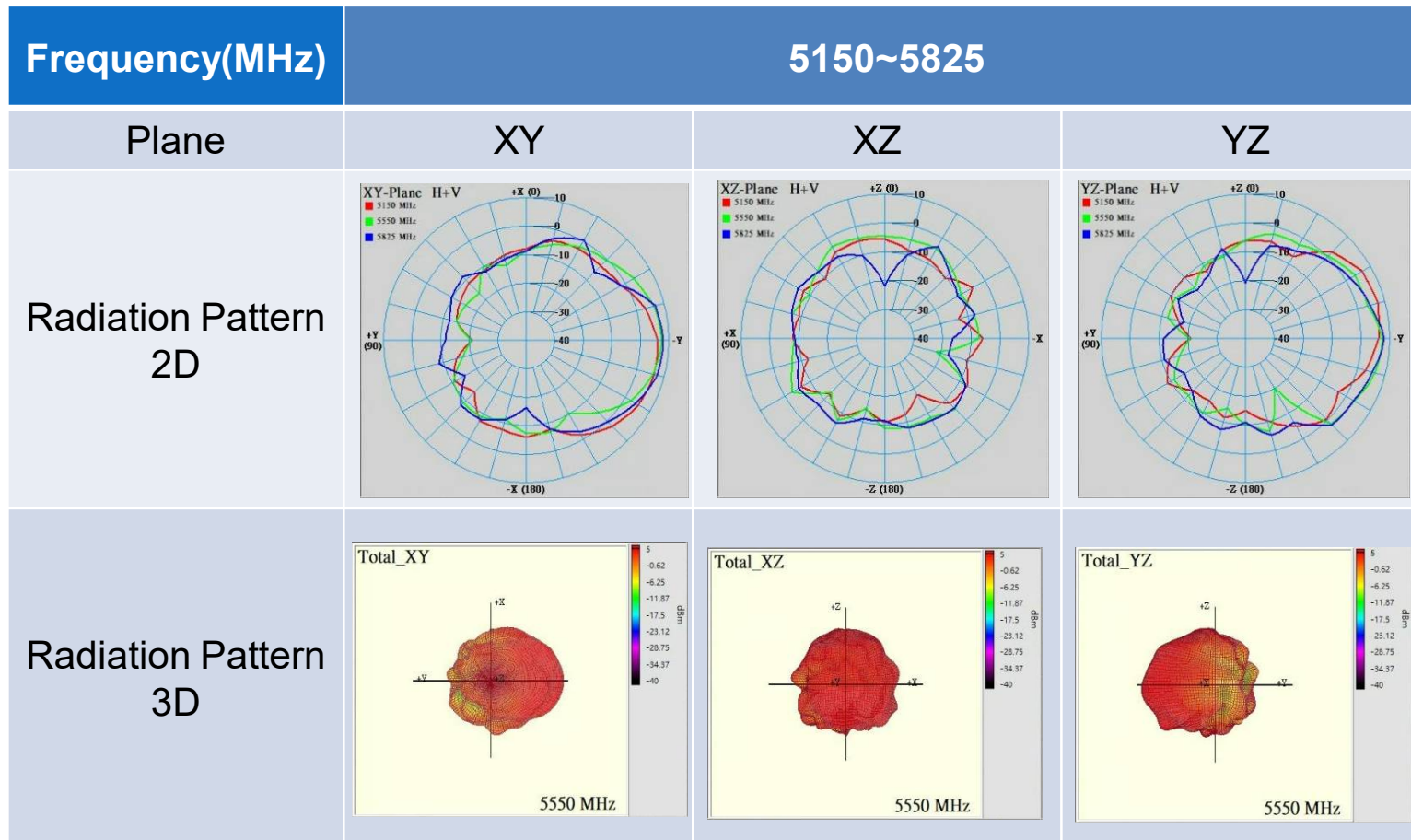
Gain Table

	Ant.1					
Frequency (MHz)	2400	2450	2500	5150	5550	5825
Peak Gain(dBi)	5.1	4.6	4.4	7.9	7.6	8.1
Efficiency(%)	51	50	51	54	55	51
	Ant.2					
Frequency (MHz)	2400	2450	2500			
Peak Gain(dBi)	4.2	3.8	3.4			
Efficiency(%)	54	51	50			

Ant.1 2.4GHz 2D Radiation Pattern



Ant.1 5GHz 2D Radiation Pattern



Ant.2 2.4GHz 2D Radiation Pattern



Frequency(MHz)	2400~2500		
Plane	XY	XZ	YZ
Radiation Pattern 2D			
Radiation Pattern 3D			