



SA-7559

Antenna Test Report

Report by Josson

A. Antenna Testing Conditions

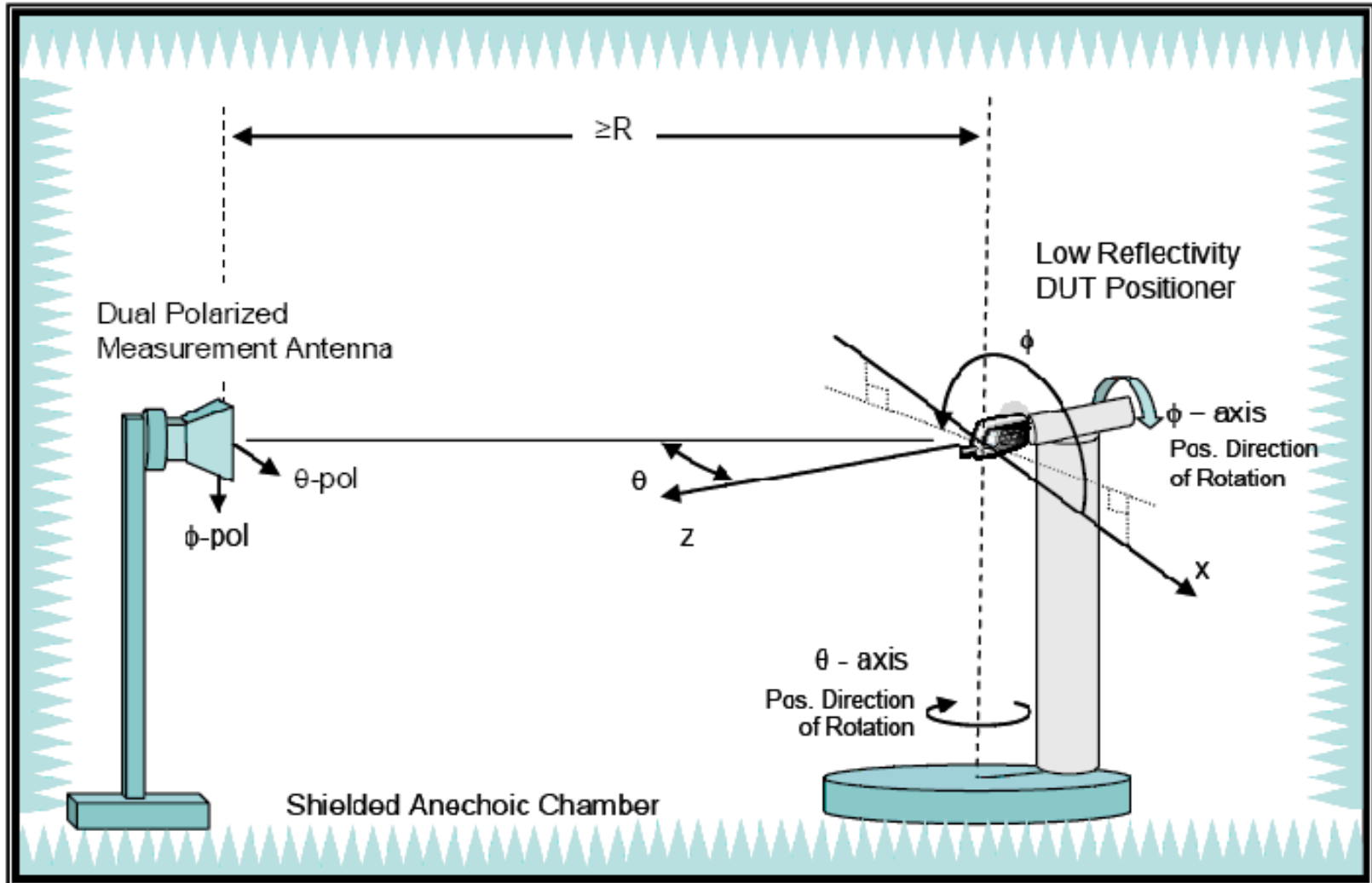
1. Test System
2. Antenna Under Test
3. Antenna Placement

B. Antenna RF Characteristics

1. Return Loss
2. Gain Table
3. 3D Radiation / 2D Pattern

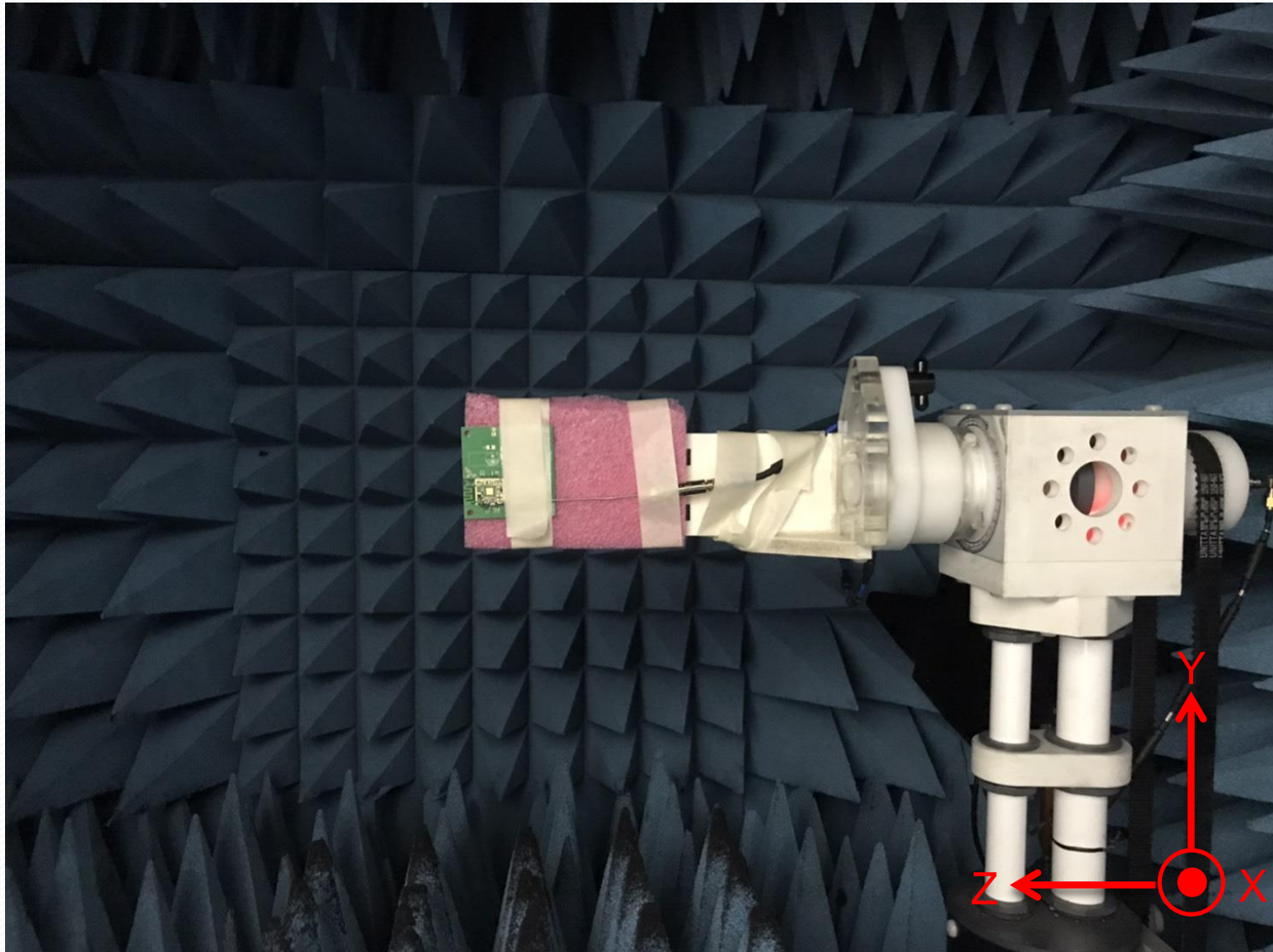
Antenna Test System

LYNwave

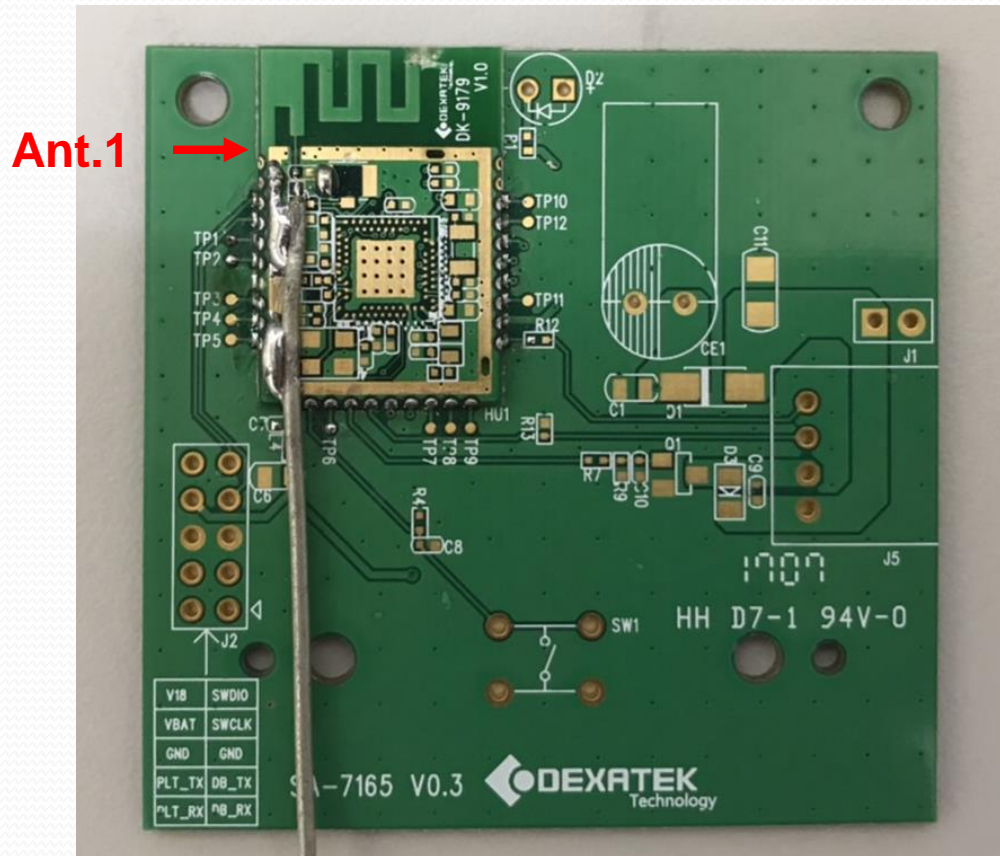


Antenna Under Test

LYNwave



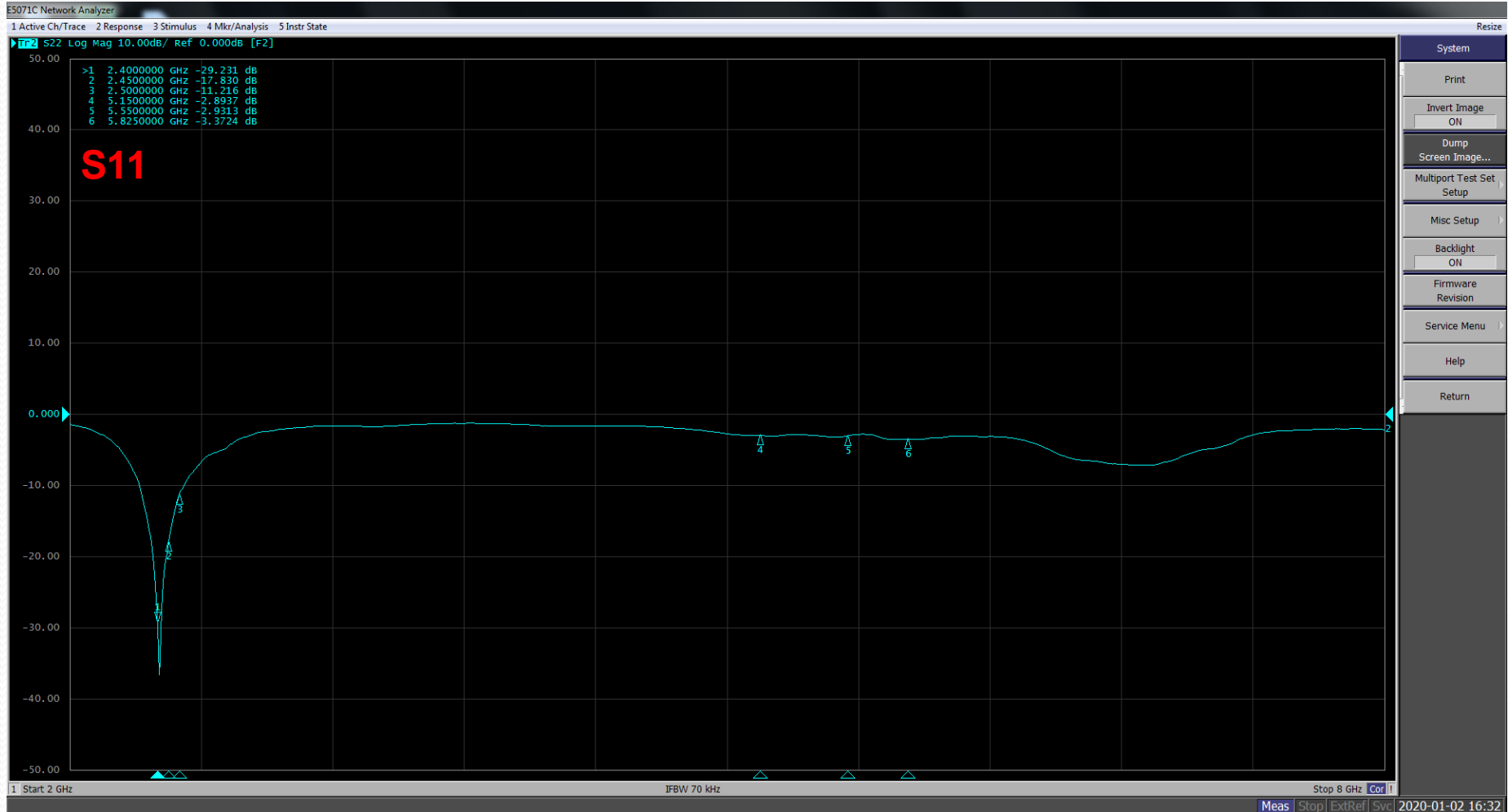
Antenna Placement



Ant. 1 Single band 2.4 GHz

Return loss

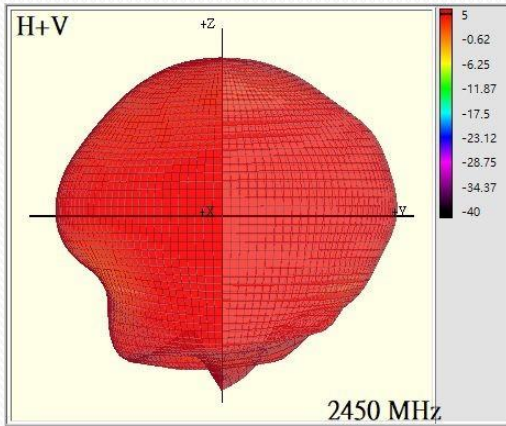
LYNwave



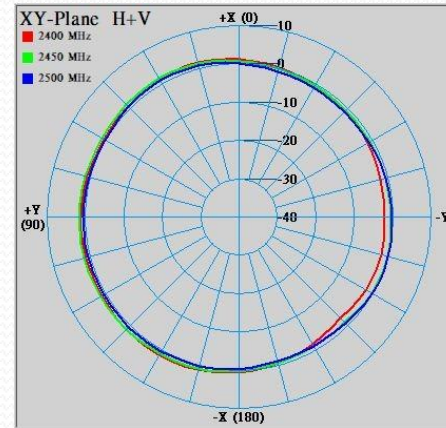
Ant.1			
Frequency (MHz)	2400	2450	2500
Peak Gain (dBi)	2.9	3.5	3.2
Efficiency (%)	65	67	61

Ant.1 2.4GHz Radiation Pattern

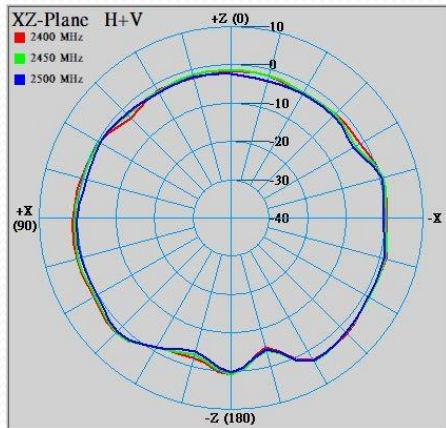
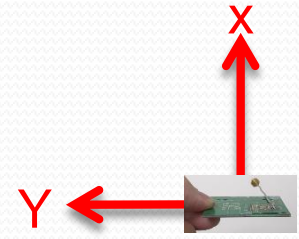
LYNwave



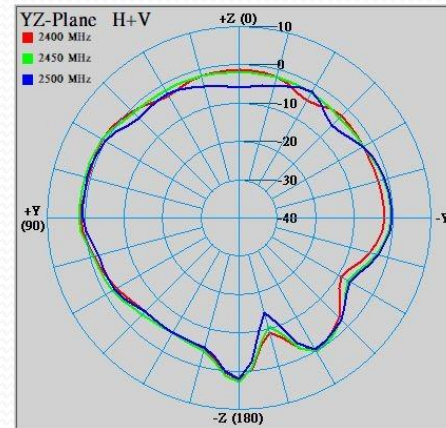
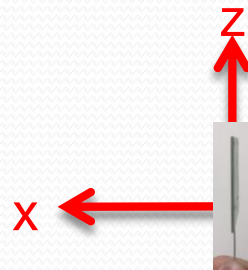
3D



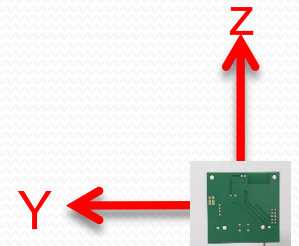
X-Y



Z-X



Z-Y



- Antenna Characteristics:
 - Return loss $< -10\text{dB}$ in operating band
 - Gain:
 - 2.4GHz band : 2.9~3.5 dBi
 - Efficiency:
 - 2.4GHz band $> 60\%$