

Antenna Specifications

Model number: K7Q3MT

FCC ID: 2A4DH-8726

IC ID: 24273-8726

Frequency Range of Operation:

BT Antenna:

Bluetooth 2.4 to 2.48 GHz

Antenna Types:

BT Antenna: PCB Inv F type

Antenna Gain:

Frequency (MHz)	Peak Gain (dBi)
2400	4.60
2410	4.50
2420	4.53
2430	4.47
2440	4.30
2450	4.39
2460	4.38
2470	4.33
2480	4.20

Lab Name:

Goertek Co., Ltd. Experimental Center OTA Laboratory

Lab Address:

Goertek Co., Ltd. Electroacoustic Phase II, No. 268 Dongfang Road, High-tech Zone, Weifang

Measurement Test Method:

Solder pigtailed on feeding point of antenna and measure passive antenna performance by VNA and OTA chamber system.

Test Equipment used:

VNA: Agilent 5071c

- Calibration due May 11, 2023

OTA Chamber: ETS 8923

- Calibration due October 12, 2023

Test Engineer:

Randell Guo

Software used for Measurement

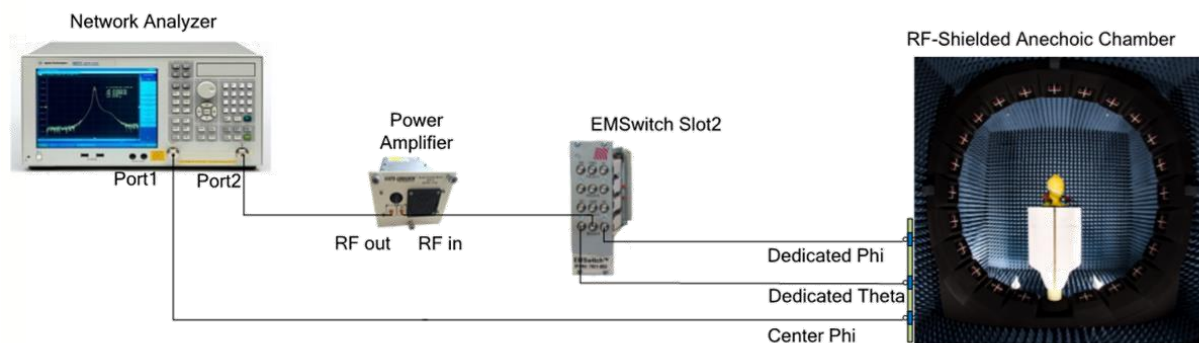
EMQuest

Test Set-up:

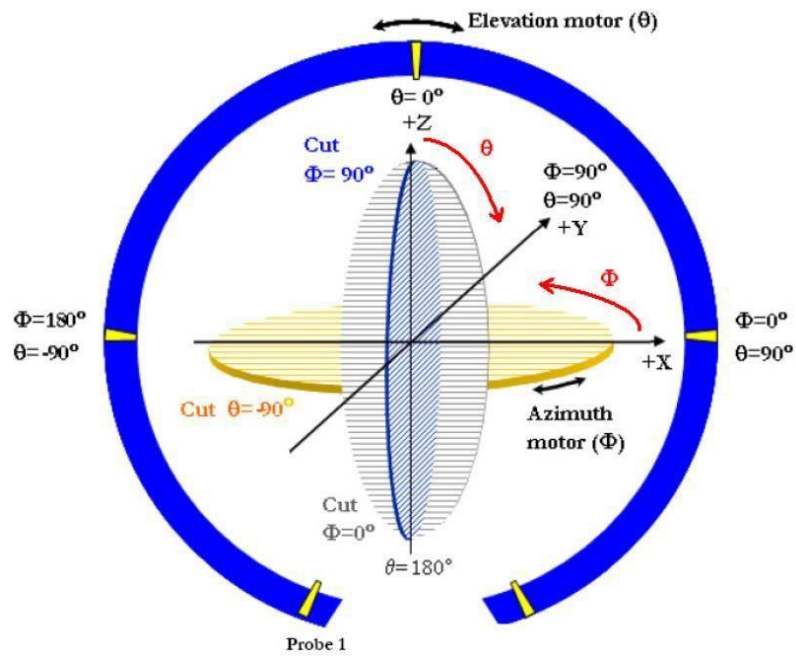
1. Set up the device on the turn table and connect the pigtails to the RF cable.
2. Measure the 3D passive performance according to the following coordinate axis.

Turntable – Phi: 0-165°, step size: 15°, clockwise rotation

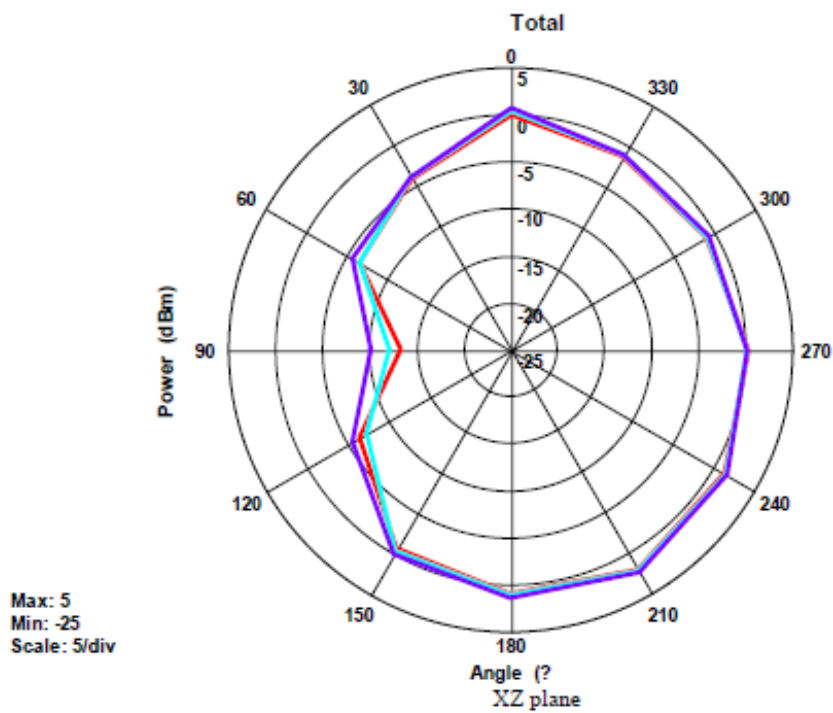
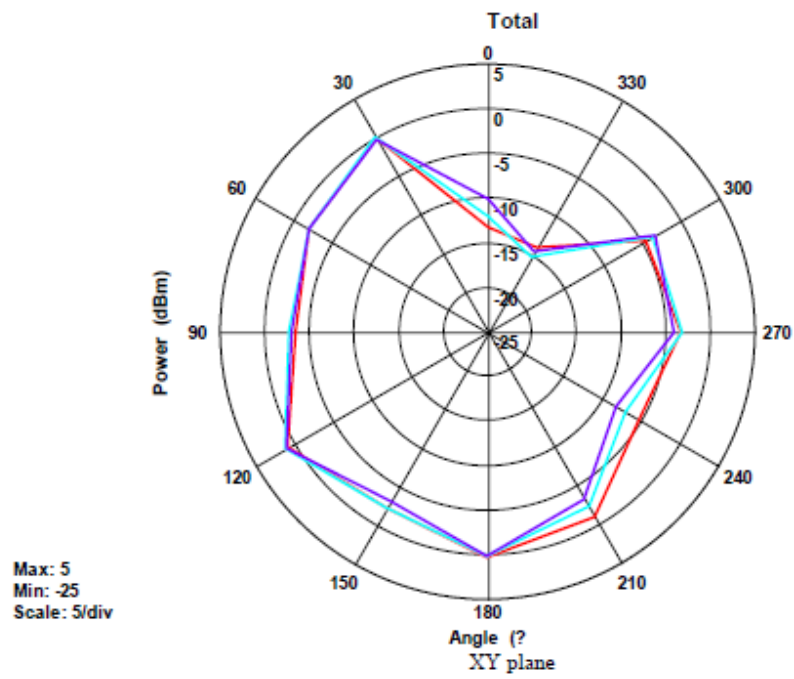
Please see separate document for test set-up exhibit for setup photographs

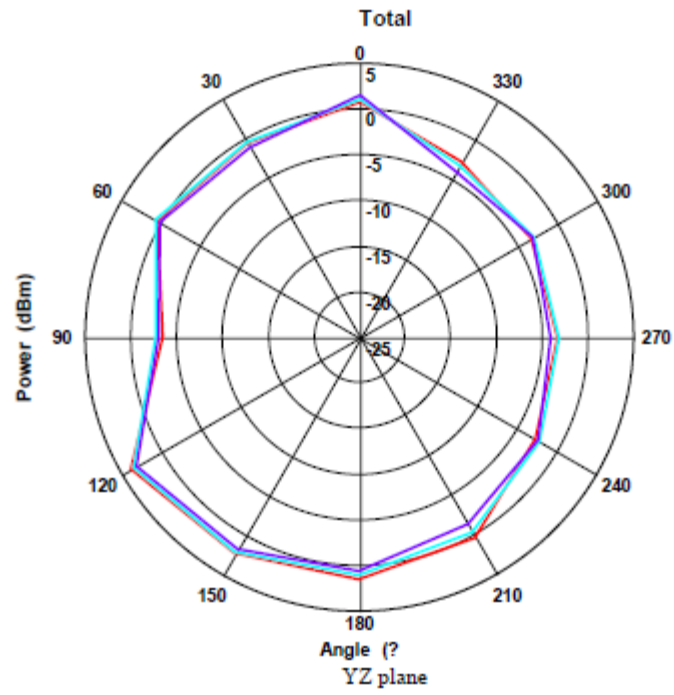


Antenna Radiated Pattern Orientation:



BT Antenna:





Max: 5
Min: -25
Scale: 5/div

