

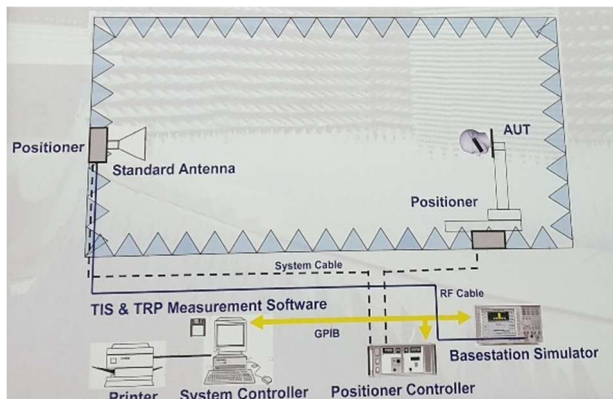
BLE Antenna Specifications

Doc Ver : Rev.2

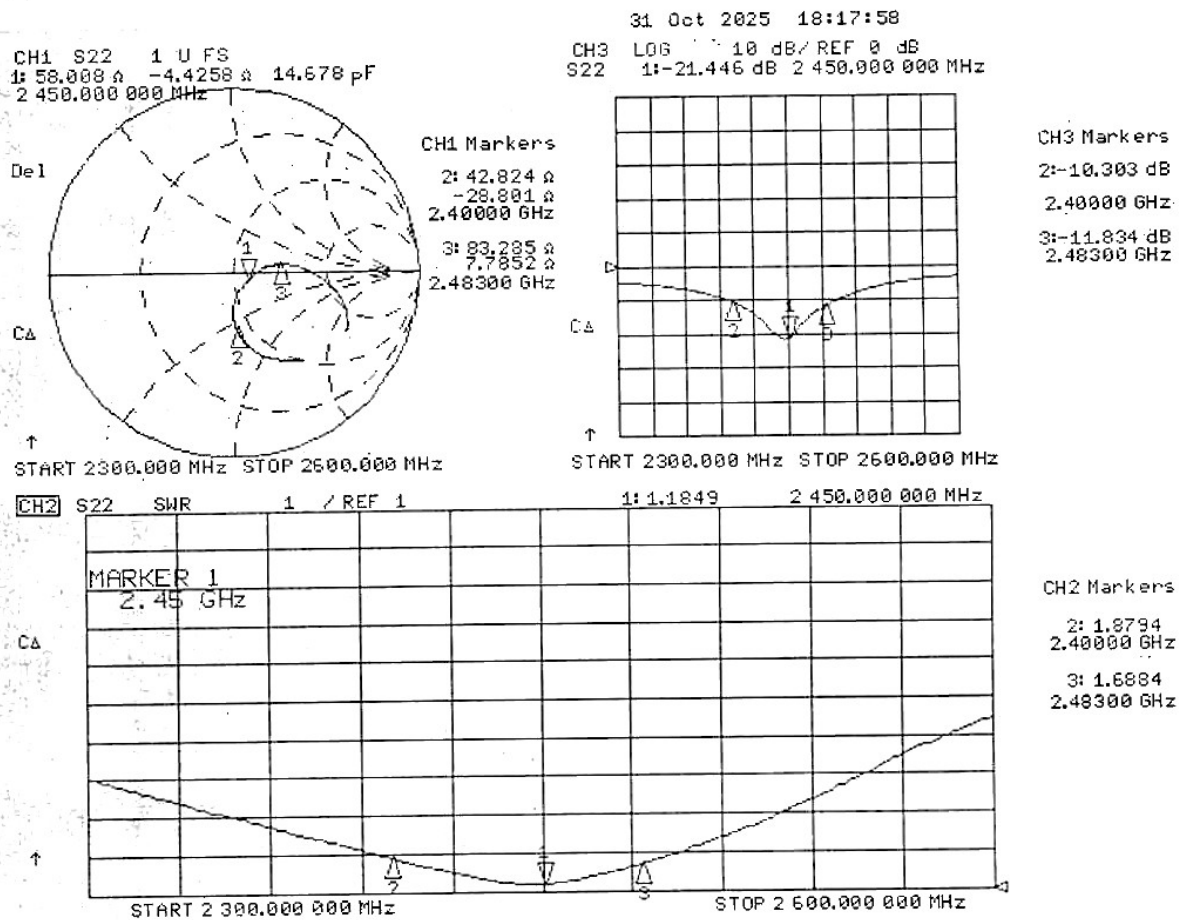
Date : 2026-01-02

Made by H/W R&D Team, R&D Division, BG T&A Co.

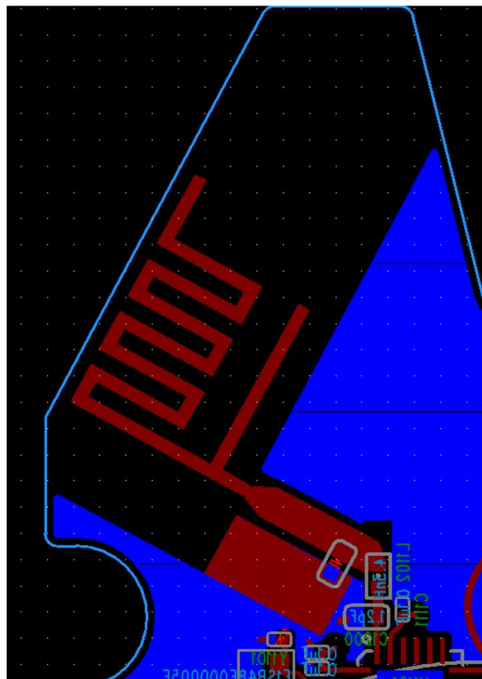
- *Function : Antenna for Bluetooth communication
- *Antenna Structure : PIFA (MIFA)
- *Applied Model Name : RAD490i
- *PCB : FR-4, KB6160, 6-Layer, 1.6T, 1/2oz (REV.D)
- *Frequency Range : 2,400 ~ 2,483MHz
- *Impedance : 50ohm nominal
- *VSWR : Less than 1:8794 (1:1.1849 @2,450MHz) → Attached #1
- *Peak(Max) Gain : -4.24dBi → Attached #2
- *Radiation Pattern : Omni-directional
- *Polarization : Linear
- *Test Details :
 - Tester : KH Park, KS Rhee
 - Date : 2025-10-31
 - Equipments & Software : Network Analyzer, Basestation Simulator, Positioner Controller, PC(TIS & TRP Measurement Software installed)
 - Description :
 - 50ohm passive matching with Network Analyzer
 - Gain & Radiation Patterns measurement at Anechoic Chamber



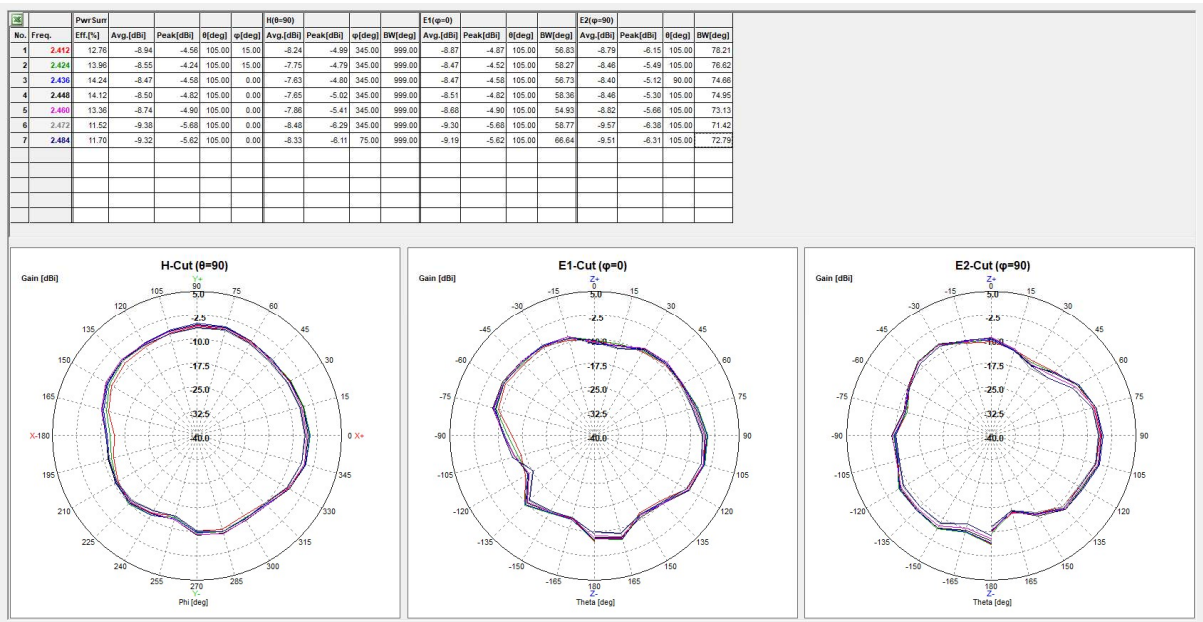
Attached #1 : VSWR



Passive Matching Values : Shunt 1.2pF – Series 4.3nH – Shunt DNI – Antenna



Attached #2 : Gain & Radiation Pattern



.End Of Data.