

RF & Antenna Testing Services Capability

WiWo Tech Systems Pvt Ltd

Company Profile

- WiWoTech Systems Private Ltd is an Engineering design services company located in Bangalore
- WiWoTech supports Engineering design services in the areas of RF design, Antenna design, IC and SIP Package design, PCB design, RF and Antenna testing, EM CAD tool based simulations that include SI analysis, PI analysis, EMI/EMC analysis
- Servicing industries include Consumer Electronics, Defence, Medical, Avionics, Tele-Communication, Industrial
- Our esteemed clients list include PayPal, Marvell, Ineda, Rangson, Kaynes
- Our vision is to be your first choice partner in RF/Electronic design ,Antenna design, IC Package/SIP design and prototyping services

Servicing Industries



Consumer Electronics



Telecommunication



Defense



Industrial



Medical



Avionics

RF Testing Capability

Wireless Module Testing

RF/Wireless system Testing

FCC/ETSI Regulatory Testing

RF Circuit Testing

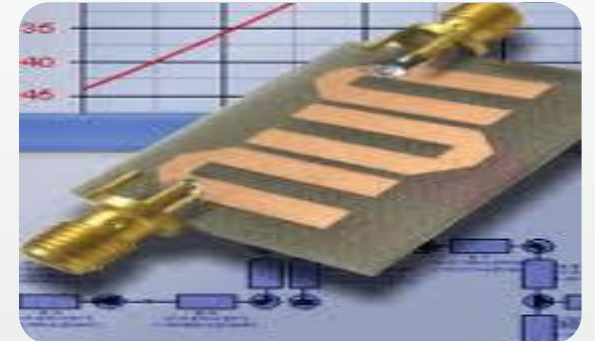
Post silicon system validation testing

EMI/EMC Testing

- WiWoTech Systems Private Ltd can be your one stop destination for all your RF Testing requirements
- WiWo Tech can carry out the RF testing of Wireless modules, RF circuits and RF/Wireless systems up to 12 GHz frequency range
- WiWo Tech has the necessary expertise in setting up the measurement equipment's for accurate RF measurement

RF Testing Capability

- ❑ Expertise in carrying out RF testing of wireless modules and systems
 - ❑ Bluetooth / Bluetooth low energy
 - ❑ ZigBee
 - ❑ Wi-Fi (802.11a/b/g/n/ac)
 - ❑ RFID
 - ❑ NFC
 - ❑ GPS
 - ❑ Cellular Technologies(3G/4G)
 - ❑ WiMAX
- ❑ Expertise in carrying out RF testing of Circuits
 - ❑ Amplifiers / Low noise amplifiers
 - ❑ Frequency synthesizer
 - ❑ Mixer
 - ❑ Filters/ Balun
 - ❑ T/R Switch
 - ❑ Power divider/combiner
 - ❑ Couplers/ Diplexers / Duplexer
- ❑ Expertise in carrying out post silicon system validation testing for RF chipsets



RF Testing Capability

Noise Figure

Peak/Average Gain

C/I Receiver Selectivity

Spectral mask

Insertion loss

Return loss/VSWR

Intermodulation

Harmonics/Spurious

Blocking

Receiver Sensitivity

Transmit power/EVM

Phase noise

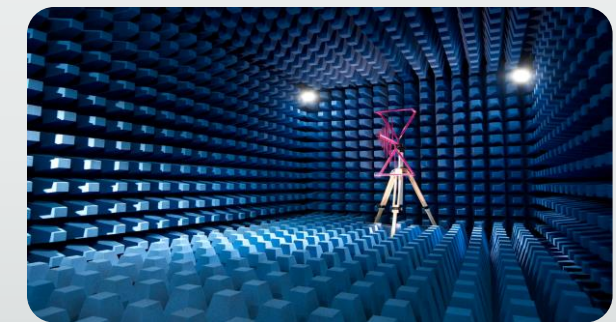
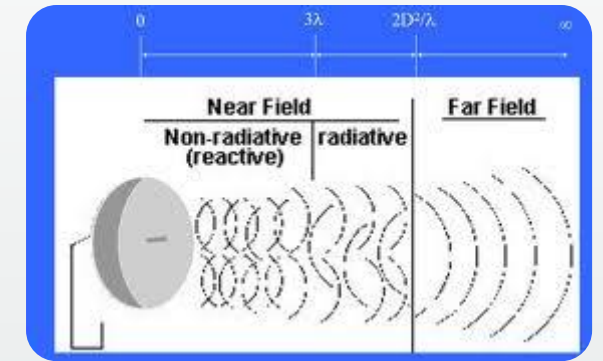
RF Testing Capability

- ❑ WiWoTech team has expertise in handling the following measurement equipment's for carrying out the RF testing
 - ❑ Network analyser
 - ❑ Spectrum analyser
 - ❑ RF power meter
 - ❑ Noise figure analyser
 - ❑ Phase noise analyser
 - ❑ LCR meter
 - ❑ Vector signal generator
 - ❑ Vector signal analyser
 - ❑ VSWR meter
 - ❑ Frequency counter
 - ❑ Oscilloscope



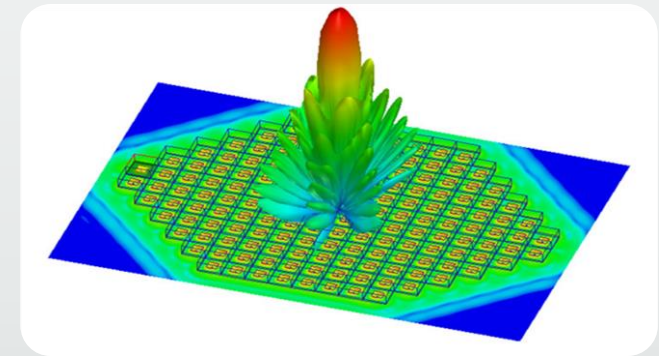
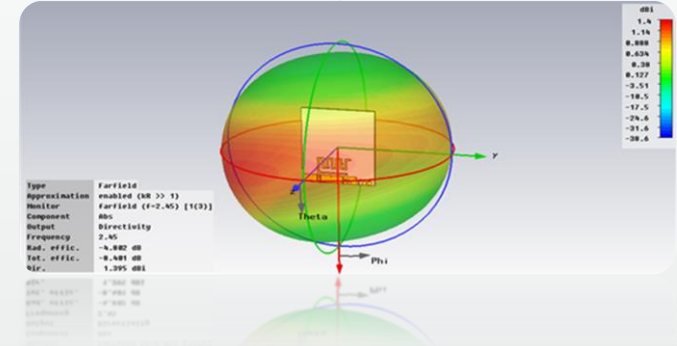
Antenna Testing Capability

- ❑ WiWo Tech has rich expertise in testing different types of antenna in near field ranges as well as in far field ranges
 - ❑ Low profile wireless antenna
 - ❑ Chip antenna
 - ❑ High gain antenna
 - ❑ Multi band antenna
 - ❑ Wide band antenna
 - ❑ Array antenna
 - ❑ Beam forming antenna
 - ❑ MIMO antenna
 - ❑ Diversity antenna
 - ❑ Active antenna
 - ❑ Phased array antenna
- ❑ Expertise in selection of near field ranges (Spherical, Planar..) and far field range for testing depending on antenna type
- ❑ Expertise in impedance matching, antenna tuning



Antenna Testing Capability

- ❑ WiWo Tech has expertise in testing the following antenna performance metric parameters
 - ❑ Beam width
 - ❑ Directivity
 - ❑ Gain
 - ❑ Radiation efficiency
 - ❑ Impedance
 - ❑ Return loss
 - ❑ Bandwidth
 - ❑ Radiation pattern
 - ❑ Cross polarization
 - ❑ Co-polarization



RF & Antenna Test Services Offered

RF Testing of Wireless Modules

RF testing of Wireless System

RF Tuning of circuits and systems

Far Field range antenna testing

FCC /ETSI regulatory testing

Radio Range Testing

RF Testing of Circuits

System validation testing of chips

Near field range antenna testing

Antenna tuning

EMI/EMC testing

Production Testing

Why WiWo Tech

- Competitive market rates for carrying out RF and Antenna testing
- Experienced engineering team with rich expertise in handling RF and Antenna measurement equipment's and carrying out error free RF and antenna measurements
- Guaranteed customer satisfaction
- Requirements met on time with high quality of work
- Expertise in having carried out RF testing for modules,systems,circuits
- Expertise in RF tuning and antenna tuning
- Flexible business models
- Complete documentation package of work carried out





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