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RF ENGINEERING

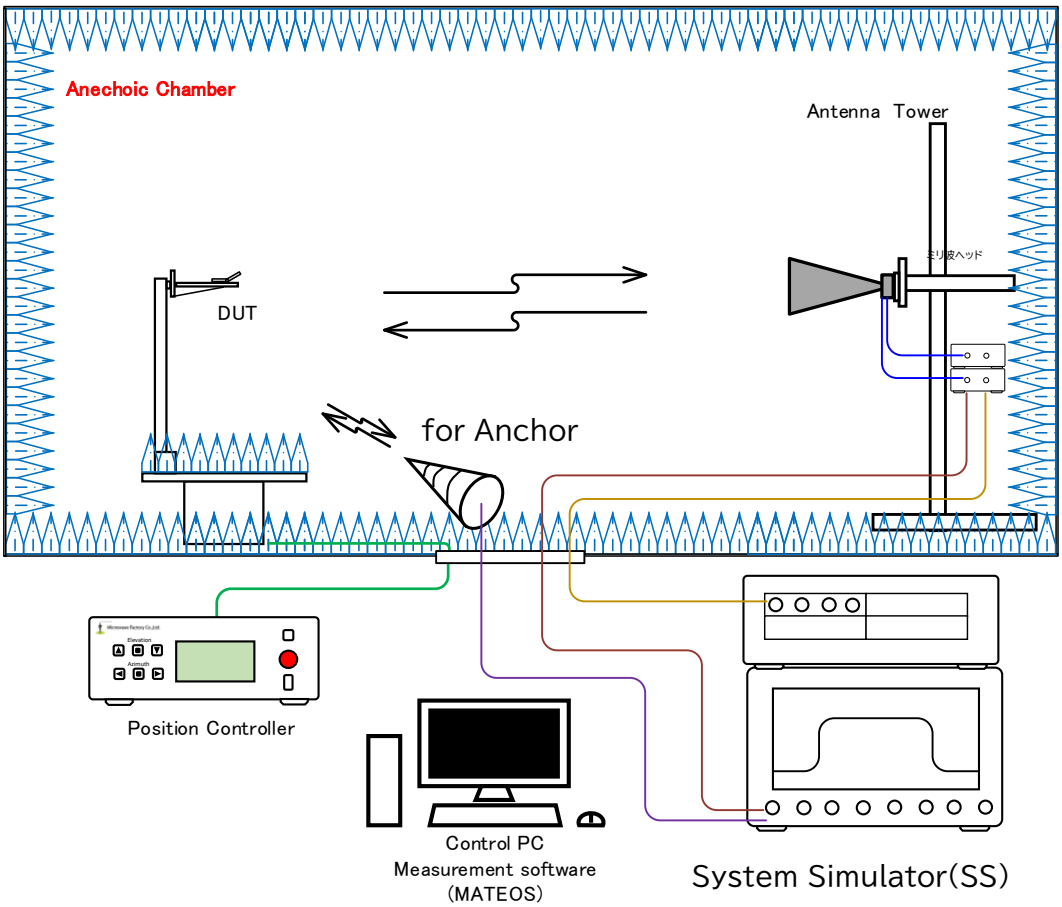
Microwave Factory Co.,Ltd.

5G NR OTA Measurement System

System Overview

5G devices is increasing on market, which is demanded to be tested at new frequency band and wideband modulation, the high-technologies like the beamforming & array-antenna for mm-wave band. 5G devices don't have antenna connector, so it is essential for that devices OTA test. Our OTA test system is available to install to the current chamber room and box with suitable for Direct Far Filed (DFF) solution, which is one of OTA test method (another one is Compact Antenna Test Range (CATR)).
Available OTS test not only FR1/FR2 of NSA (Non Stand Alone) devices but also SA (Stand Alone) devices.

Example FR2 System (NSA)



Available system ;
5G NR
- NSA FR1/FR2
- SA FR1
  (UE Beamlock Function)

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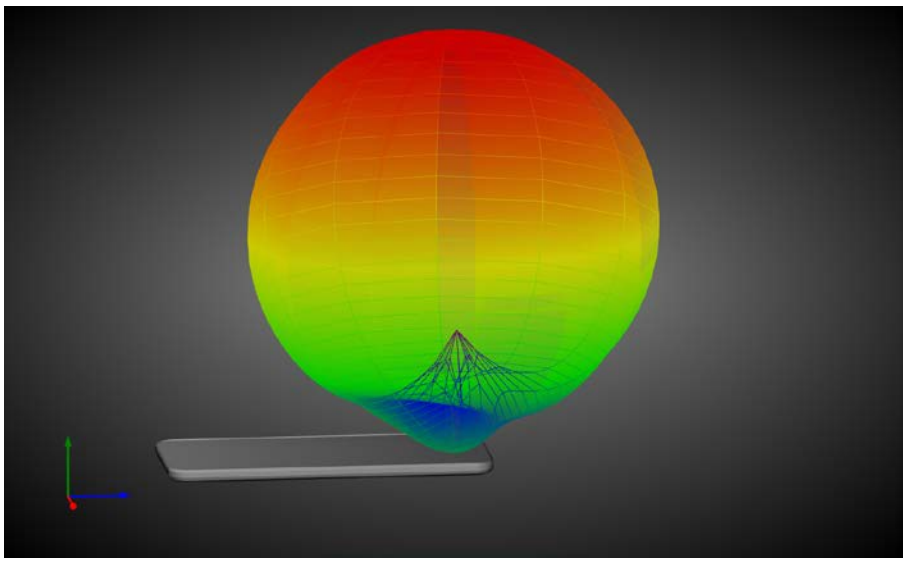
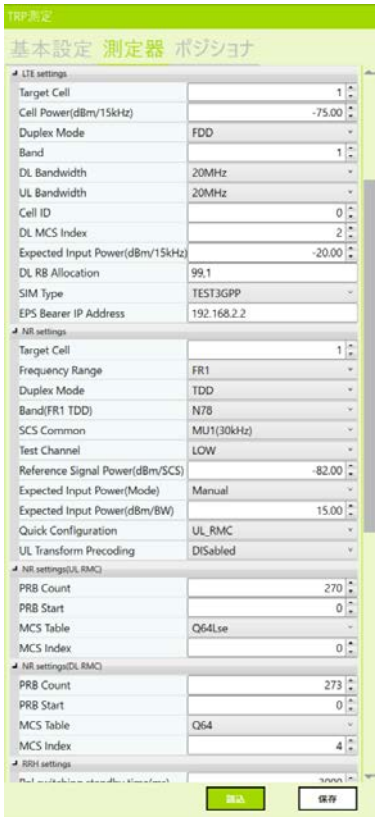
MATEOS.NET ; Auto Test software

MATEOS.NET supports 5G NR OTA Test, which could make it Automation. We could support the accelerated development of 5G devices on market by automatically measurement for the Output Power and sensitivities of DUT (Device Under Test) on this solution.





FR2 system connection (sample)