



Unlicensed Band Antenna Gain Test Report

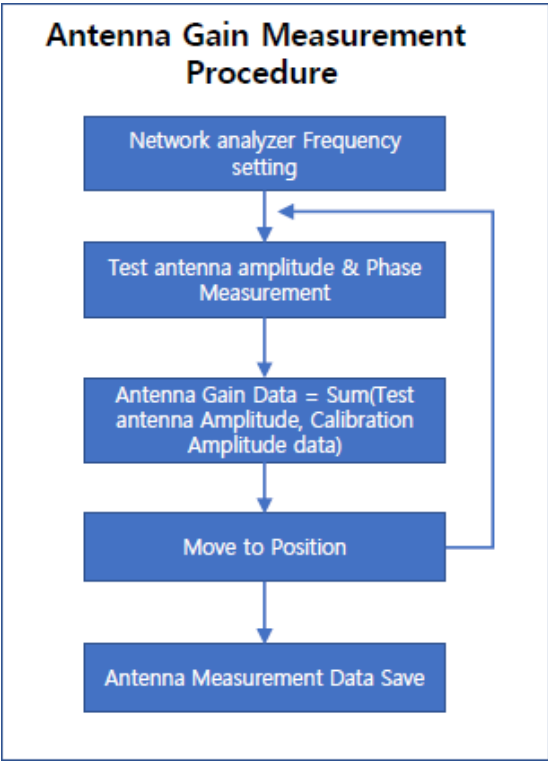
Model: SM-A185G/DS, SM-A185G

FCC ID: A3LSMA185G

BT/WIFI_2.4GHz / 5GHz (SUB2)

Freq. [Hz]	Peak. [dBi]
2,400,000,000 Hz	-4.8 dBi
2,412,000,000 Hz	-4.2 dBi
2,437,000,000 Hz	-4.3 dBi
2,451,000,000 Hz	-4.4 dBi
2,472,000,000 Hz	-3.9 dBi
2,485,000,000 Hz	-3.8 dBi
5,150,000,000 Hz	-2.2 dBi
5,290,000,000 Hz	-3.4 dBi
5,430,000,000 Hz	-3.5 dBi
5,570,000,000 Hz	-3.8 dBi
5,710,000,000 Hz	-4.5 dBi
5,850,000,000 Hz	-4.6 dBi

Antenna Gain Measurement Procedure



Detail antenna description

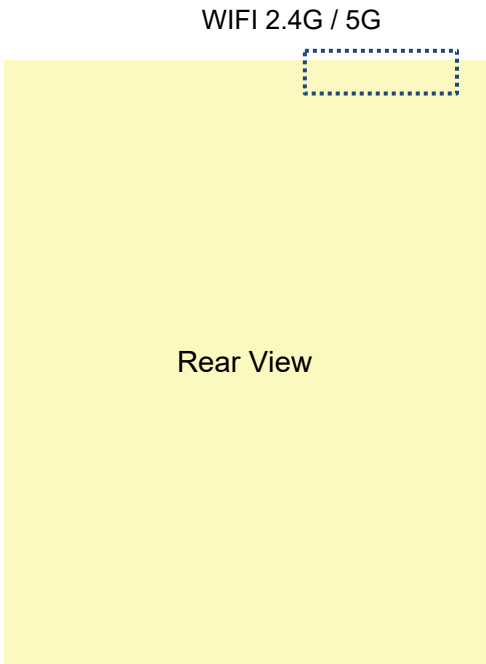
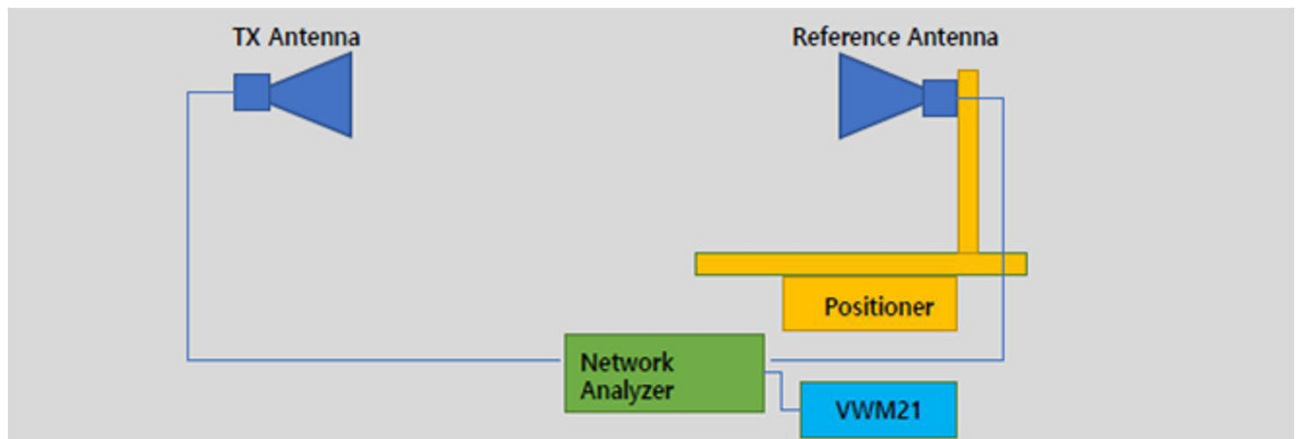


Table of calibrated equipment

- Measurement: KYOCERA AVX Ant Lab.
- Equipment: KSS Chamber, ZNB 8 Network Analyzer

KSS Chamber

The Bluetest Reverberation Test Systems is the ideal choice for developers of wireless devices and components as well as operators wanting to verify their suppliers' wireless devices. Over-The-Air (OTA) measurements reflect the true performance of the device and ensure that the tested product performs as intended once released to the market. The patented design creates a rich and isotropic multipath environment inside the chamber allowing for fast, easy and realistic performance measurements on SISO as well as MIMO devices like LTE and WLAN. The RTS is capable of performing passive measurements like antenna efficiency, diversity and MIMO gain as well as active measurements like TRP, TIS and Throughput (TPUT).



Chamber Information

Location : Kyocera-Avx

- Size : 3 x 2.5 x 2.5m

Frequency : 600MHz to 6000MHz

Tx Antenna : KSS-HA600 (Double Rigid Horn Antenna)

KSS 3D Motion Controller

Part	Model Name	Specification	Cal date
Tx Antenna	KSS-HA600	600MHz to 6GHz	
Reference Antenna	KSS-HA600	600MHz to 6GHz	
Network Analyzer	Agilent E5071B	300kHz to 8.5GHz	Cal. Due : 2026.10.05
	S/N : MY42300768	S/W : Rev.A.09.10	
Measurement Software	KSS-ANT		

Test Date : 2026-06-11

Test Person : JHLee / Senior Antenna Engineer / Kyocera AVX Components.

Test setup photos

The antenna gain report test setup photos includes pictures of the measurement setup.

Radiation plots for max gain plane (3D)

