▣ SM-S926U

▣ Antenna Manufacturer

- Main Ant : SAMSUNG

Antenna A (Main1)

- Metal

- Manufacturer : SAMSUNG

	Band	B71	B12	B13	B14	B17	B5	B26	B2	B4	B25	B66
Antenna A	Peak Gain (dBi)	-5.6	-5.3	-4.1	-4.1	-5.3	-5.5	-5.5	1.3	1.6	1.3	1.6
	Avg Gain (dB)	-7.8	-7.6	-7.3	-7.3	-7.6	-8.5	-8.5	-4.7	-3.9	-4.7	-3.9

Antenna B (Main2)

- Metal

- Manufacturer : SAMSUNG

	Band	B7	B41
Antenna B	Peak Gain (dBi)	0.2	0.2
	Avg Gain (dB)	-5.7	-5.7

Antenna C (MAIN3)

- Metal

- Manufacturer : SAMSUNG

	Band	N48(SRS1)	N77/N78 (SRS1)
Antenna C	Peak Gain (dBi)	-0.6	0.7
	Avg Gain (dB)	-6.5	-5.5

Antenna D (MAIN4)

- Metal
- Manufacturer : SAMSUNG

	Band	N41(SRS3)	N48(SRS3)	N77/N78 (SRS3)
Antenna D	Peak Gain (dBi)	−6.8	−2.6	−2.3
	Avg Gain (dB)	−12	−7.9	−7.8

Antenna E (SUB1)

- Metal
- Manufacturer : SAMSUNG

	Band	B5	B26	N41(SRS2 or SRS3)
Antenna E	Peak Gain (dBi)	-3.2	-3.2	-6.3
	Avg Gain (dB)	-6.5	-6.5	-11

Antenna F (SUB2)

- Metal
- Manufacturer : SAMSUNG

	Band	B2_UP	B4_UP	B25_UP	B66_UP	B30/N30	N41	N48	N77/N78
Antenna F	Peak Gain (dBi)	-4.3	-2.7	-4.3	-2.7	-2.3	-2.0	-1.1	-1.1
	Avg Gain (dB)	-7.8	-6.3	-7.8	-6.3	-6.5	-6.8	-6.2	-6.2

Antenna I (SUB5)

- Metal
- Manufacturer : SAMSUNG

	Band	N48(SRS1)	N77/78 (SRS2)
Antenna I	Peak Gain (dBi)	-4.3	-4.3
	Avg Gain (dB)	-9.0	-9.0

- **Antenna Measurement information**

    - **Measurement information**

Gain value is measured by Samsung Electronics.
Gain Value is measured in active call & Antenna selection.

Antenna gain is measured in AC Chamber.

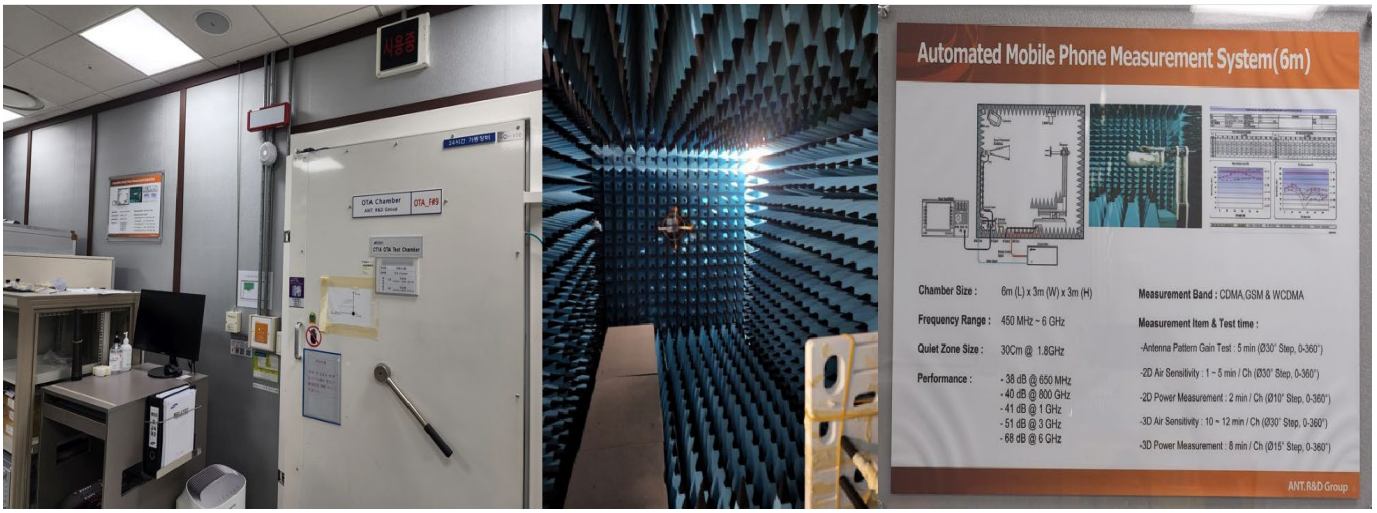
*Test Equipment list

Description	Manufacturer	Model	S/N	Cal Due
Network Analyzer	R&S	ZNB 8	001-A-061	2023.01.27.

    - **Return Loss & VSWR Test**

The VSWR measurement of antennas assembled into a fully operating SM-S926U phone handset is measured on the Network Analyzer. The handset is set up with a 50 Ohm coaxial cable connected to the 50 Ohm point. Calibration is done at the end of the 50 Ohm coaxial cable connection. The other end of the 50 Ohm coaxial cable is connected to a network analyzer. The handset is positioned on a non-conductive table for free space measurements.

See Photo #1



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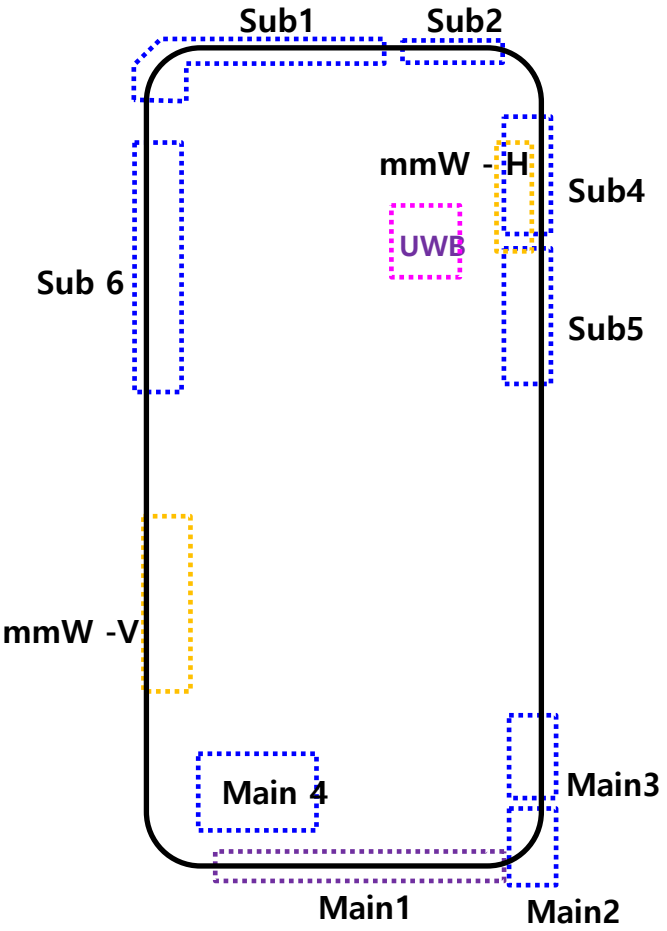
- **Return Loss & VSWR Test**

Samsung has a system that can measure VSWR using AC chamber and ZNB 8 network analyzer for passive measurement. In order to measure the VSWR of each antenna, the lab connects the coaxial cable to the point in contact with the antenna on the main board. The VSWR is measured through the coaxial cable connected in the set. At this time, SM-S926U is assembled in the same state as the user environment

See Photo #2



REAR VIEW