



Unlicensed Band Antenna Gain

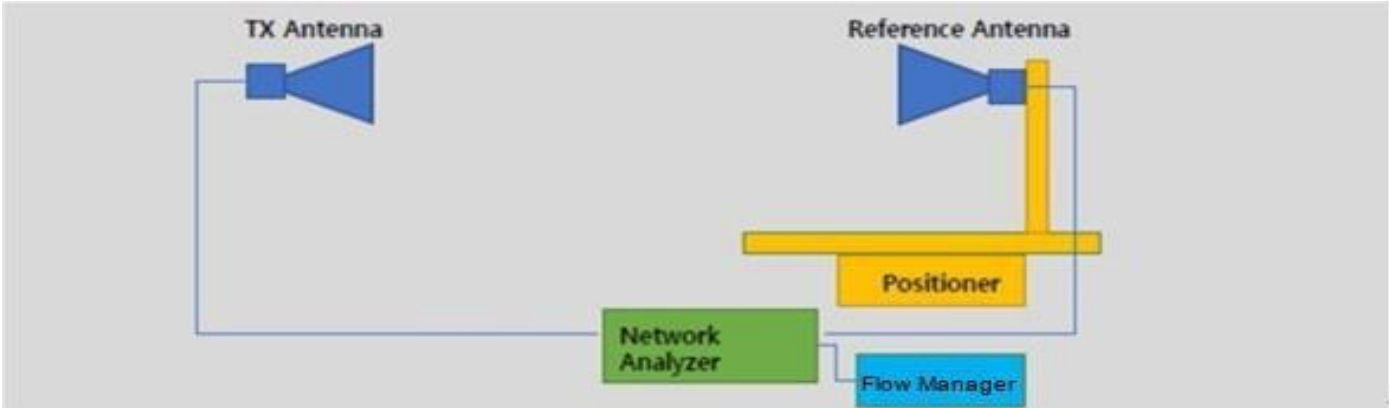
Model: SM-X940

FCC ID: A3LSMX940

BT/WIFI#1_2.4/5/6GHz - PIFA

Ant	Band	Freq.	EFF	AVG	Peak
		(MHz)			
Wifi2 (TR)	2.4G	2400	14.5	-8.40	-7.70
		2451	21.1	-6.80	-6.10
		2473	23.8	-6.30	-5.60
		2480	23.9	-6.30	-5.60
	5G	5150	11.3	-9.50	-8.80
		5350	16.5	-7.90	-7.20
		5500	14.7	-8.40	-7.70
		5700	10.5	-9.80	-9.10
		5795	9.6	-10.10	-9.40
		5815	9.2	-10.40	-9.70
		5825	9.2	-10.30	-9.60
		5850	9.2	-10.30	-9.60
		5885	8.9	-10.50	-9.80
	6G	5925	8.3	-10.80	-10.10
		6225	10.2	-9.90	-9.20
		6520	9.6	-10.20	-9.50
		6825	13.1	-8.80	-8.10
		7125	9.4	-10.30	-9.60
Wifi1 (TL)	2.4G	2400	28.2	-5.60	-4.90
		2451	29.7	-5.40	-4.70
		2473	29.3	-5.40	-4.70
		2480	29.3	-5.40	-4.70
	5G	5150	2.2	-16.10	-15.40
		5350	5.0	-12.90	-12.20
		5500	7.3	-11.30	-10.60
		5700	14.0	-8.62	-7.92
		5795	16.1	-8.00	-7.30
		5815	14.9	-8.30	-7.60
		5825	15.4	-8.20	-7.50
		5850	14.6	-8.40	-7.70
		5885	15.0	-8.30	-7.60
	6G	5925	13.6	-8.70	-8.00
		6225	10.8	-9.60	-8.90
		6520	15.4	-8.30	-7.60
		6825	5.5	-12.50	-11.80
		7125	1.8	-16.80	-16.10

Table of calibrated equipment



Part	Model Name	Specification	
Tx Antenna	Cube Antenna	650 MHz to 8.0 GHz	Calibrated date : 2026.4.14 Cal. Due : 2026.10.13
Reference Antenna	Discone C	650 MHz to 3.5 GHz	Calibrated date : 2026.4.14 Cal. Due : 2026.10.13
	Discone D	2 GHz to 8.0 GHz	Calibration Frequency(680MHzto 6GHz) Calibrated date: 2026.4.14 Cal. Due : 2026.10.13
Network Analyzer	Rohde & Schwarz ZNB8	9 KHz to 8.5 GHz	Calibration Frequency(2GHz to 8.5GHz) Calibrated date: 2026.4.14 Cal. Due : 2026.10.13
Measurement Software	FLOW Manager		FLOW Manager(Ver:1.12.0)

Test_dates

2026.06.15

Names of test personnel

Jeong-Wan Park 박정완

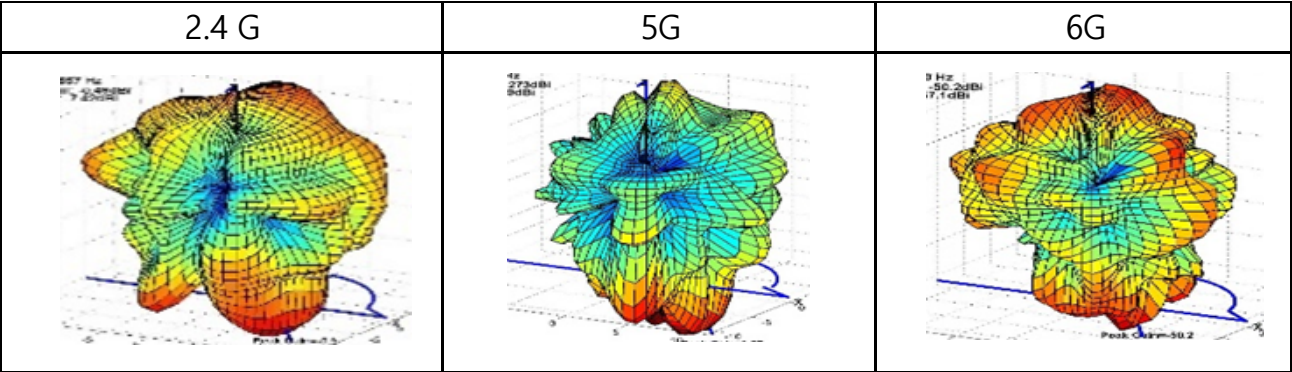
Names of commercial test software being used
MTG Visual Wave-Mobile (Ver.2.1)

Test setup photos

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

Radiation plots for max gain plane (3D)

WIFI1



WIFI2

