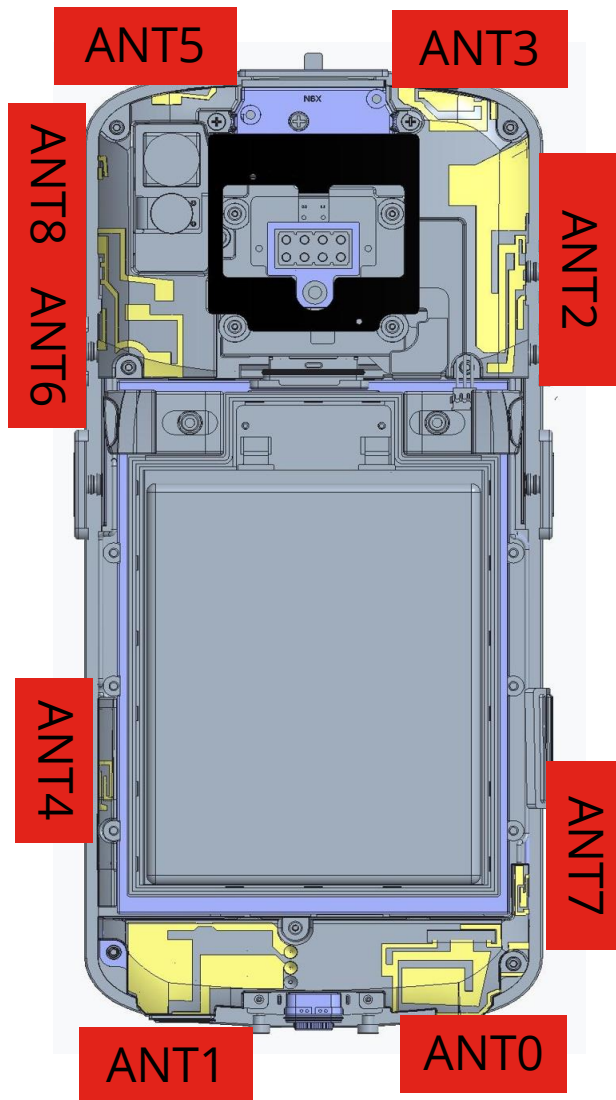




PCTE020 Ant-8 Report

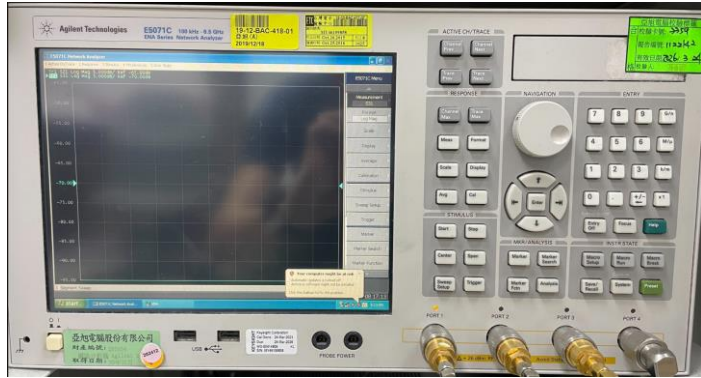
2025/06/27



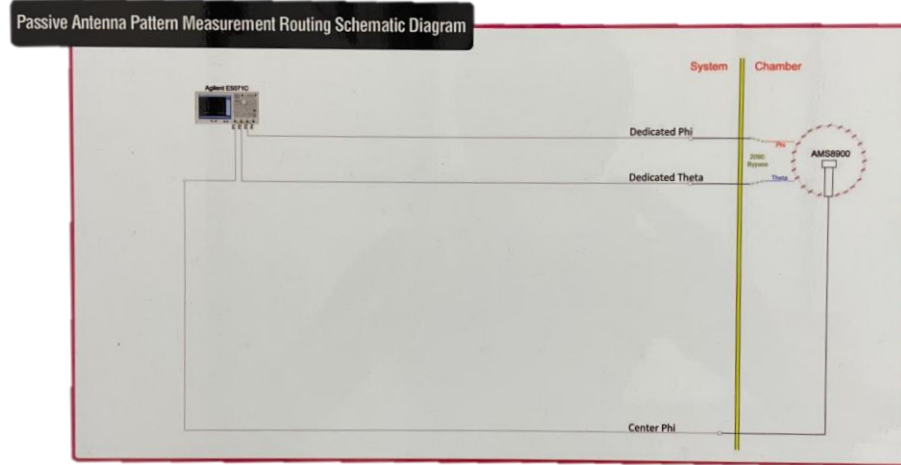


Antenna Frequency MHz								
ANTENNA	FR1					WIFI		
	LB	GNSS	MB	HB	UHB	2G Band	5G Band	6G Band
A0	617 ~960		1710 ~ 2200					
A1			1427 ~ 2200	2300 ~ 2690	3300 ~ 5000			
A2	617 ~960		1710 ~ 2200	2300 ~ 2690				
A3			1427 ~ 2200	2300 ~ 2690	3300 ~ 5000			
A4					3300 ~ 5000			
A5						2400 ~ 2500	5150 ~ 5925	~ 7125
A6		L1 L5				2400 ~ 2500		
A7					3300 ~ 5000			
A8							5150 ~ 5925	~ 7125

OTA Chamber Related configuration



Vector Analyzer
Calibrated Date :2026/03/24

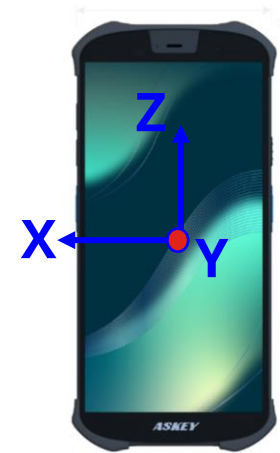
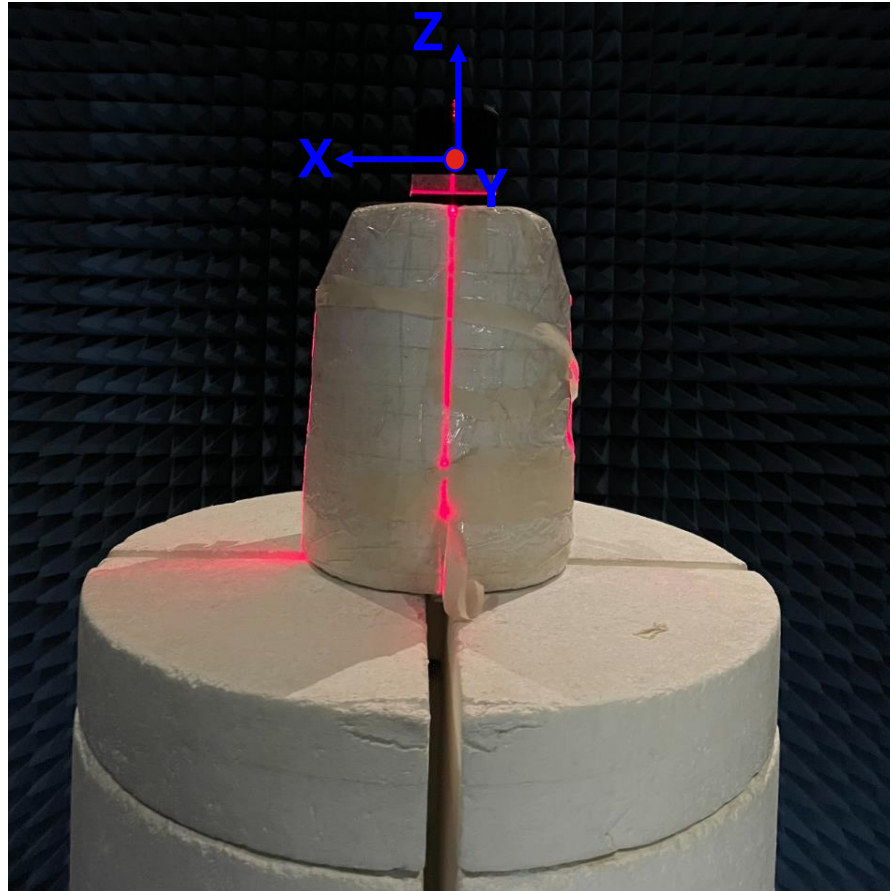


OTA Chamber Configuration °

Description of antenna testing flow_

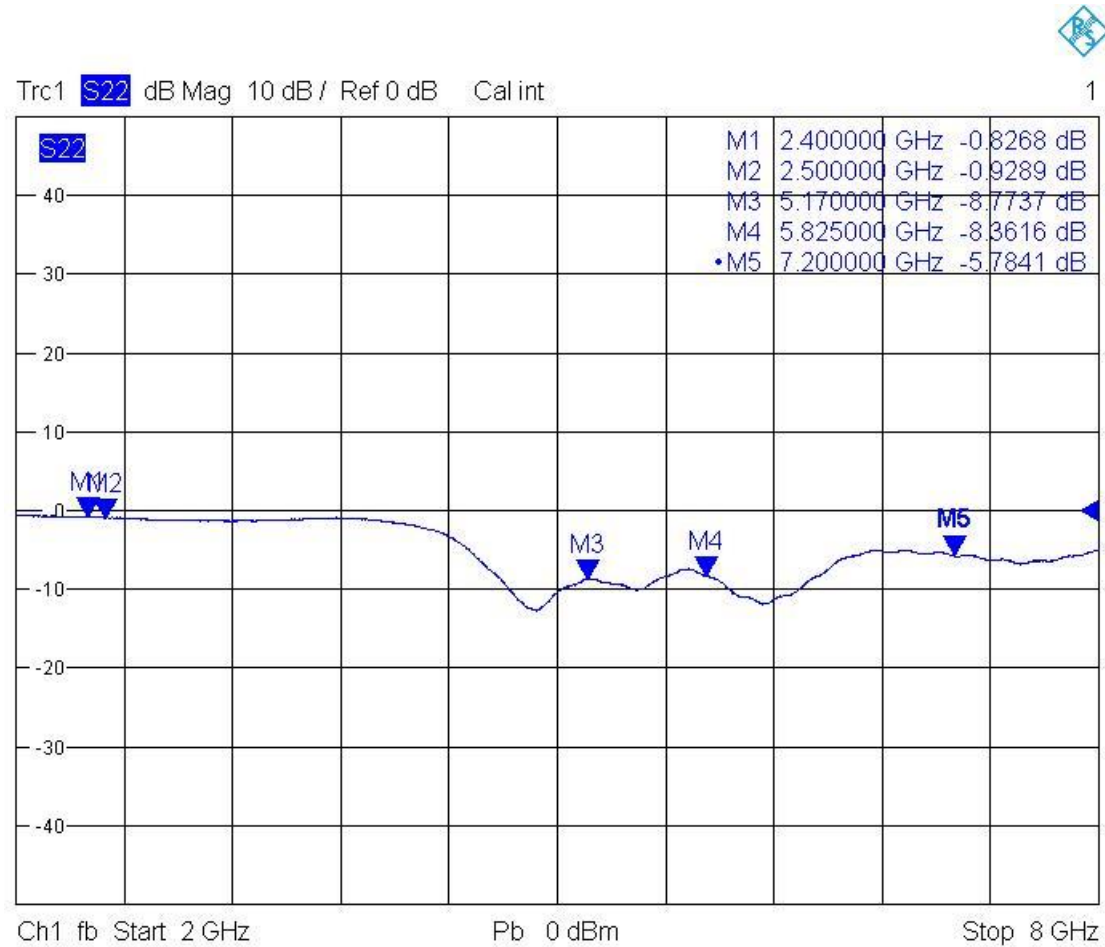
Using EST-8923 OTA Chamber to implement antenna gain report, firstly, we need setup DUT on turn table of OTA chamber, and then connect DUT's antenna indicated port to vector analyzer through coaxial cable, then run EMQUEST software setup to measure antenna 3D radiation pattern, gain, and efficiency.

DUT Setup



OTA Chamber Type : ETS-8923
Software : EMQUEST
Testing Engineer : Kevin
Testing Date : 20250305

Return Loss

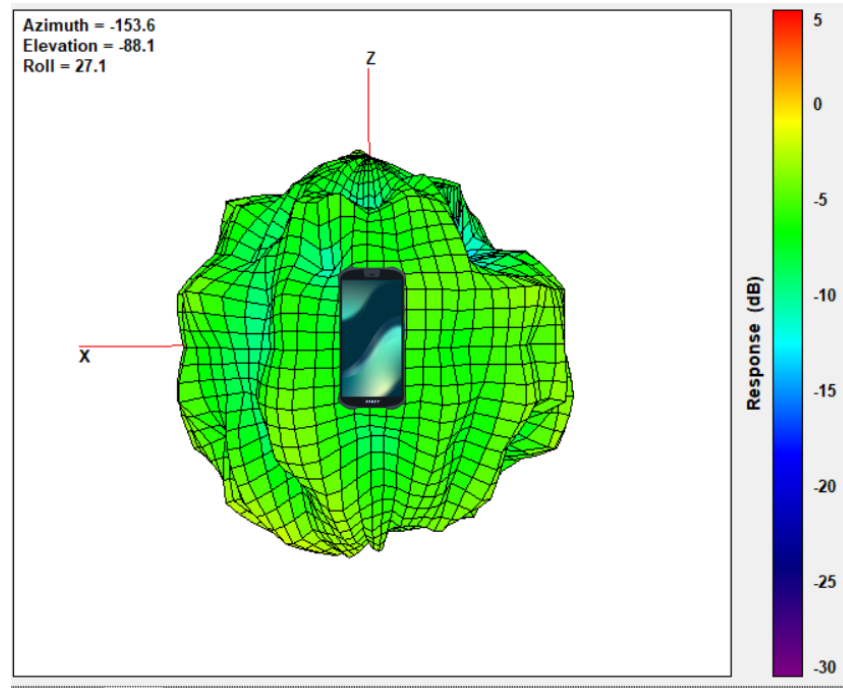


Efficiency & Peak gain

ANT8		
Frequency (MHz)	Efficiency (%)	Gain (dBi)
5000	38.89	2.17
5150	41.23	2.46
5250	37.90	1.96
5350	37.01	1.96
5450	35.87	2.22
5550	36.19	2.23
5650	32.27	1.31
5750	26.06	-0.27
5850	32.42	1.16
5925	31.12	1.56
6000	37.89	2.48
6100	41.55	2.76

ANT8		
Frequency (MHz)	Efficiency (%)	Gain (dBi)
6200	34.50	2.87
6300	34.85	2.90
6400	35.70	2.41
6500	34.93	2.60
6600	34.08	3.49
6700	31.14	3.12
6800	30.00	3.18
6900	32.77	2.70
7000	34.39	2.79
7100	35.02	2.14
7125	34.45	1.19

Radiated Pattern at maximum gain



6600 MHz



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