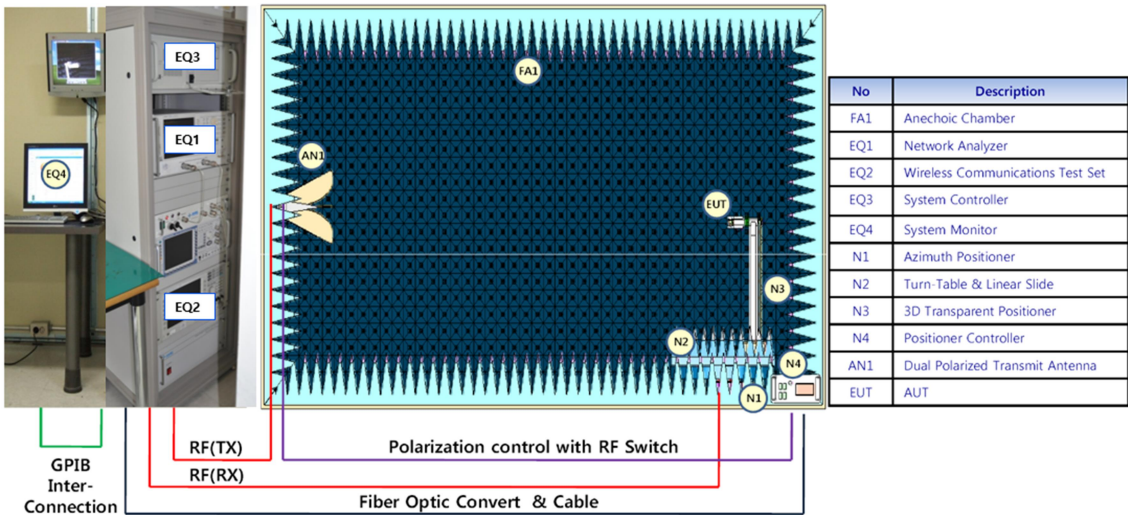


1. DR-X2MAX LTE Antenna Test & System Description

A. Test Setup

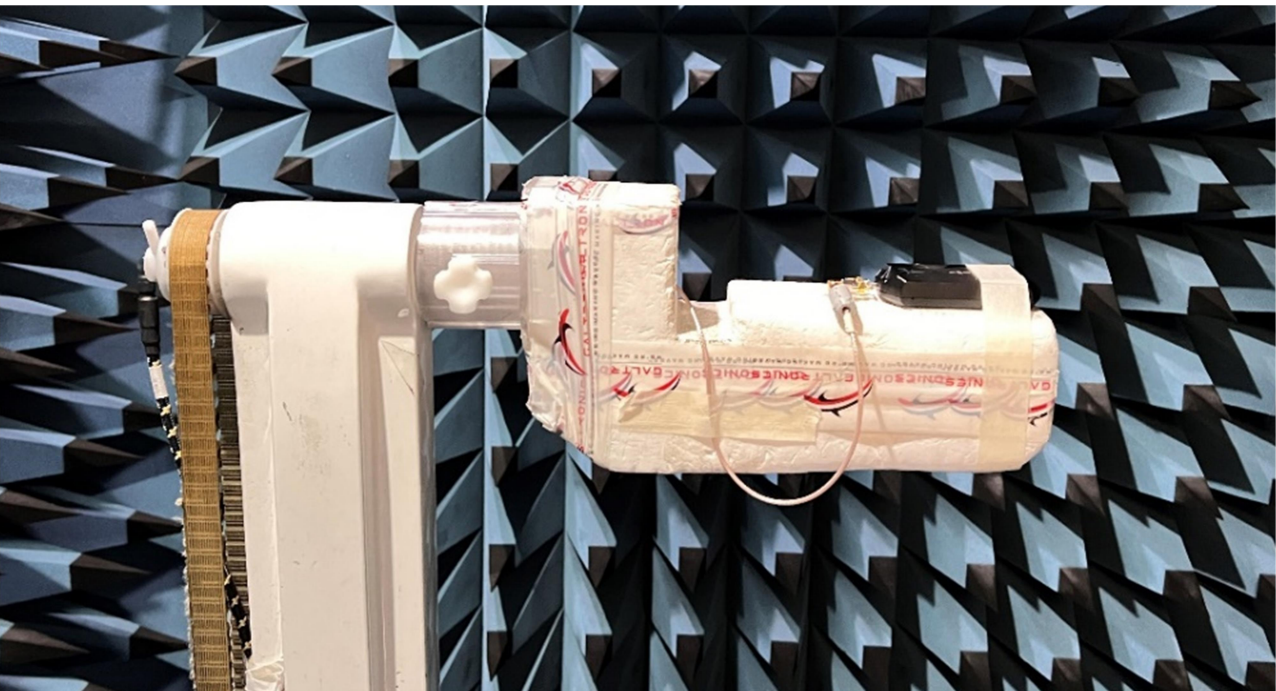


B. Equipment list

Device	Type	Manufacturer	SW	Calibration Data
Anechoic Chamber	-	MTG	-	2022-10-01
Horn Antenna	-	HA-07M18G-NF	-	-
Network Analyzer	N230A	AGILENT	-	2022-02-11-
Measurement SW	-	-	VWM21	-
Positioner Controller	PC-510-4	MTG	-	-

Measurement	Measurement Date	Measuring person
Galtronics	2022-12-07	Park Jin Wan

2. LTE Setup photo



3. LTE Antenna Pattern & Gain Report

		Theta-Pol(H)					Phi-Pol(V)						PwrSum				
No.	Freq.[MHz]	Eff.[%]	Avg.[dBi]	Peak[dBi]	Theta[deg]	Phi[deg]	Eff.[%]	Avg.[dBi]	Peak[dBi]	Theta[deg]	Phi[deg]	Eff.[%]	Avg.[dBi]	Peak[dBi]	Theta[deg]	Phi[deg]	
1	699	25.29	-5.97	-1.96	120	90	6.13	-12.12	-5.26	0	180	31.42	-5.03	-1.78	120	90	
2	716	29.69	-5.27	-0.98	120	90	7.77	-11.1	-3.99	0	180	37.46	-4.26	-0.83	120	90	
3	729	29.52	-5.3	-0.83	120	90	7.68	-11.15	-4.69	0	180	37.2	-4.29	-0.59	120	120	
4	746	26.96	-5.69	-1.21	120	90	7.31	-11.36	-6.3	0	180	34.27	-4.65	-0.79	120	120	
5	756	24.24	-6.15	-1.71	120	120	6.8	-11.68	-7.2	60	0	31.04	-5.08	-1.23	120	120	
6	777	19.86	-7.02	-2.93	120	120	5.98	-12.23	-7.79	60	0	25.84	-5.88	-2.34	120	120	
7	787	18.39	-7.35	-3.57	120	120	5.64	-12.48	-7.91	60	0	24.03	-6.19	-2.9	120	150	
8	1710	31.95	-4.96	-0.8	120	330	13.37	-8.74	-3.96	120	90	45.32	-3.44	0.4	120	90	
9	1755	39.53	-4.03	-0.29	120	300	18.17	-7.41	-2.41	0	60	57.7	-2.39	0.69	120	90	
10	1850	40.71	-3.9	-0.21	30	330	22.47	-6.48	-1.01	30	60	63.18	-1.99	0.56	120	60	
11	1910	46.27	-3.35	-0.61	30	330	19.68	-7.06	-1.35	30	60	65.95	-1.81	1.18	120	60	
12	1930	47.71	-3.21	-0.8	120	90	16.73	-7.76	-1.81	30	60	64.44	-1.91	0.7	120	60	
13	1990	43.01	-3.66	-0.89	60	210	12.81	-8.92	-2.58	30	90	55.82	-2.53	-0.64	120	60	
14	2110	35.19	-4.54	0.03	30	180	19.11	-7.19	-0.66	30	90	54.3	-2.65	0.76	30	120	
15	2155	33.07	-4.81	0.53	30	180	23.47	-6.29	0.51	30	90	56.54	-2.48	1.55	30	120	

