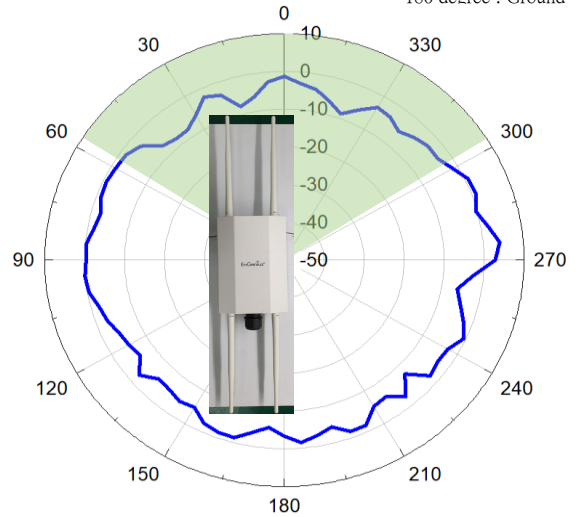


Elevation angle above 30 degree Max. Gain (dBi)		-1.28
Frequency (MHz)	5150	Elevation Angle Define
Elevation angle (Degree)	Gain (dBi)	
0	-1.33	Above 30 degree
5	-2.64	
10	-6.17	
15	-7.89	
20	-3.52	
25	-2.38	
30	-5.69	
35	-7.88	
40	-7.98	
45	-7.12	
50	-3.05	
55	-1.56	
60	-1.28	
65	-0.84	
70	-1.19	
75	-2.41	
80	-1.65	
85	-0.25	
90	-0.38	
95	0.07	
100	-0.38	
105	-2.03	
110	-2.89	
115	-4.36	
120	-5.10	
125	-5.95	
130	-2.57	
135	-5.47	
140	-5.22	
145	-4.31	
150	-4.93	
155	-2.32	
160	-1.45	
165	-1.33	
170	-3.59	
175	-5.52	
180	-3.35	
185	-1.48	
190	-2.77	
195	-4.22	
200	-1.66	
205	-1.67	
210	-5.22	
215	-5.78	
220	-2.76	
225	-7.32	
230	-2.31	
235	-3.16	
240	-2.77	
245	-0.56	
250	-2.29	
255	-4.41	
260	-6.06	
265	-2.55	
270	2.77	
275	4.13	
280	1.69	
285	-0.36	
290	1.10	
295	0.79	
300	-1.40	
305	-3.14	
310	-3.06	
315	-4.08	
320	-5.52	
325	-3.81	
330	-3.32	
335	-6.15	
340	-8.79	
345	-6.43	
350	-4.12	
355	-3.07	
360	-1.33	
		Above 30 degree

ANT: 5G-1

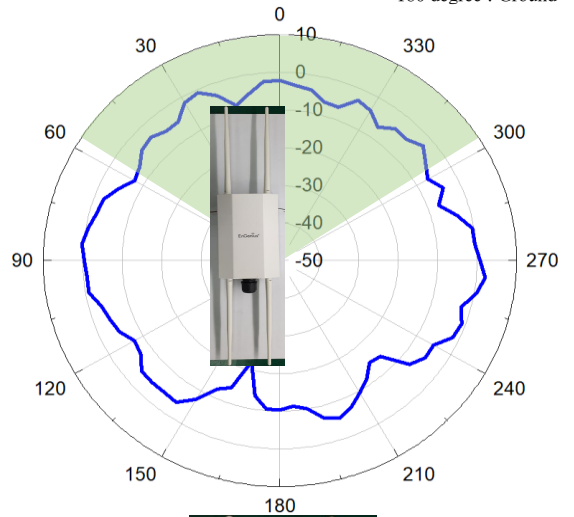
0 degree : Sky
180 degree : Ground



Elevation angle above 30 degree Max. Gain (dBi)		-0.84
Frequency (MHz)	5150	Elevation Angle Define
Elevation angle (Degree)	Gain (dBi)	
0	-2.21	Above 30 degree
5	-2.29	
10	-5.01	
15	-7.43	
20	-3.41	
25	-0.84	
30	-1.67	
35	-5.06	
40	-5.17	
45	-3.76	
50	-4.35	
55	-6.62	
60	-7.52	
65	-4.88	
70	-2.46	
75	-1.87	
80	-0.63	
85	0.36	
90	-0.42	
95	-0.96	
100	-0.84	
105	-3.19	
110	-4.20	
115	-5.16	
120	-7.46	
125	-6.91	
130	-4.28	
135	-4.20	
140	-4.37	
145	-4.10	
150	-7.46	
155	-12.35	
160	-14.13	
165	-22.22	
170	-13.57	
175	-10.44	
180	-10.36	
185	-11.19	
190	-10.04	
195	-6.73	
200	-5.55	
205	-7.14	
210	-9.49	
215	-11.65	
220	-14.64	
225	-14.00	
230	-7.11	
235	-5.02	
240	-5.07	
245	-1.69	
250	-0.99	
255	-2.45	
260	0.51	
265	2.23	
270	0.73	
275	-0.43	
280	-0.50	
285	-3.59	
290	-7.17	
295	-4.36	
300	-6.73	
305	-4.93	
310	-2.64	
315	-4.53	
320	-4.35	
325	-6.74	
330	-4.06	
335	-3.10	
340	-6.70	
345	-6.48	
350	-4.01	
355	-3.36	
360	-2.21	
		Above 30 degree

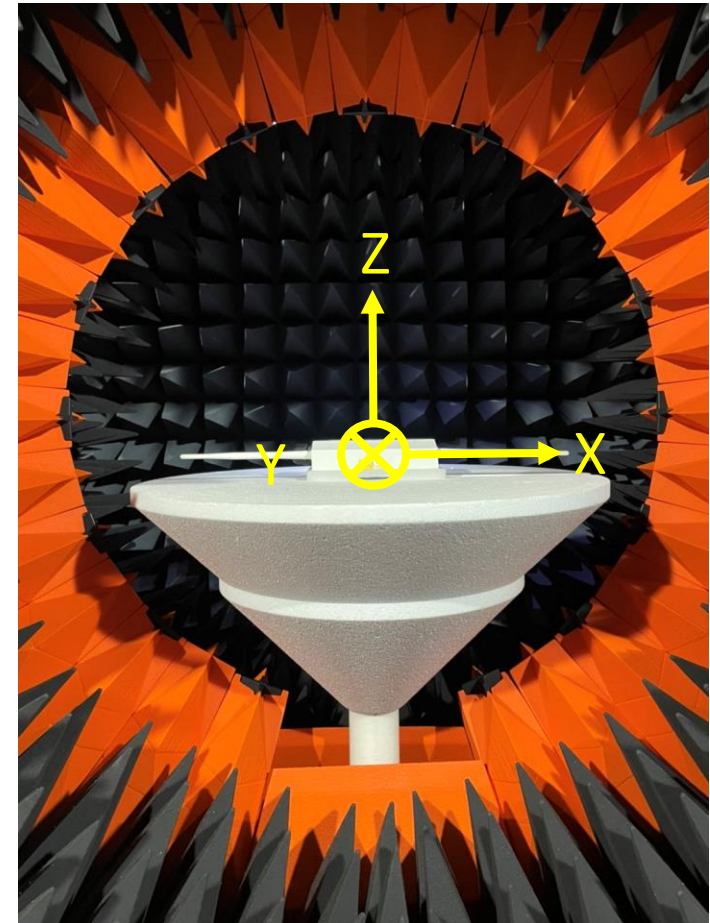
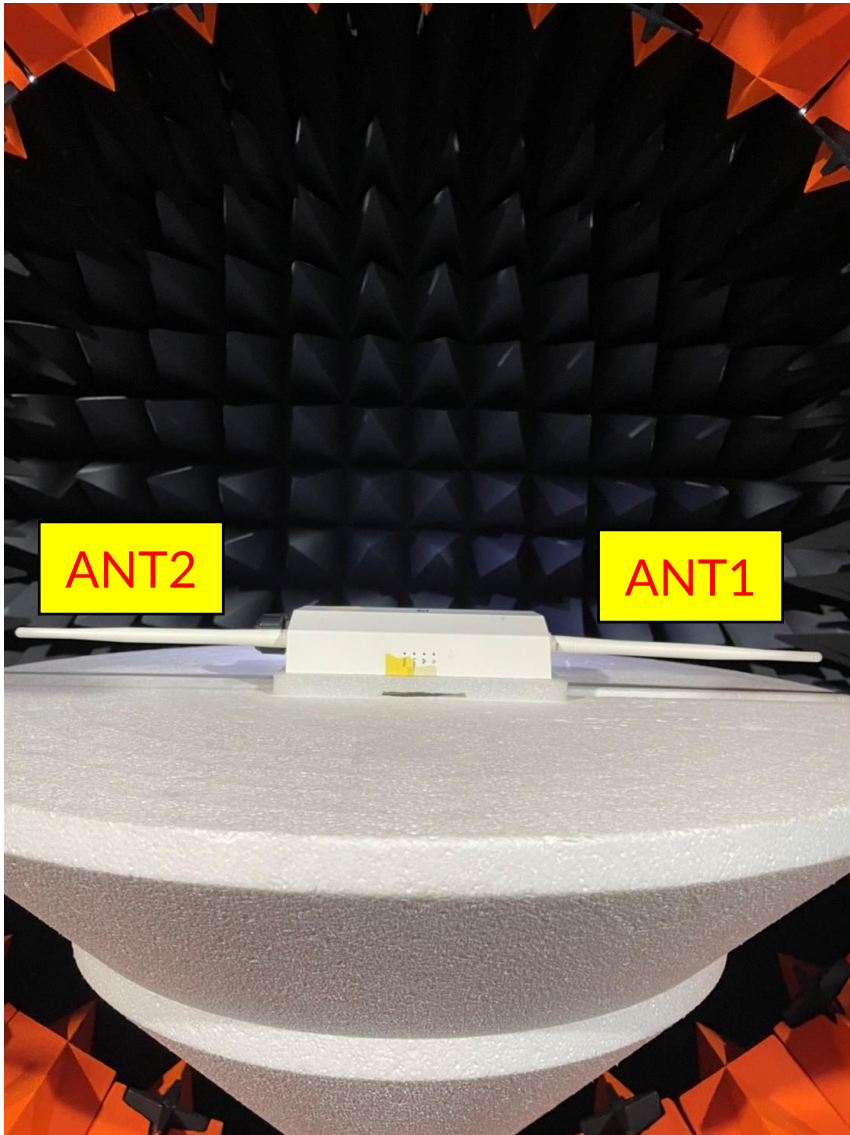
ANT: 5G-2

0 degree : Sky
180 degree : Ground



- Equipment and calibration date
Satimo starlab 2023/1/5
- Test date
2023/3/24
- Test member
Chris
- Test software
MVG Studio
- Test location information
awan-ant;No.207-1, Sec.3, Beixin rd., Xindian Dist.,
New Taipei City 231, Taiwan

- Test setup photo



- Test flow and chart

- Setup the DUT as previous page.
- There are dual-polarization probes in the ring absorber, which can receive the EM-wave and measurement the Theta-direction radiation pattern.
- After all probes measured, the turn table will rotate a degrees by horizontal. (Phi-direction)
- When the turn table rotate 5 degrees, doing the probes measurement again.
- After the turn table rotate 180 degrees, all the measurement will be done.

Antenna Test System

