

Sun Cupid Technology (HK) Ltd.

16/F, CEO Tower, 77 Wing Hong Street, Cheung Sha Wan, Kowloon, HongKong.

NUU B40 Antenna

Specifications

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1.1 Wifi Antenna

1.1.1 Antenna type

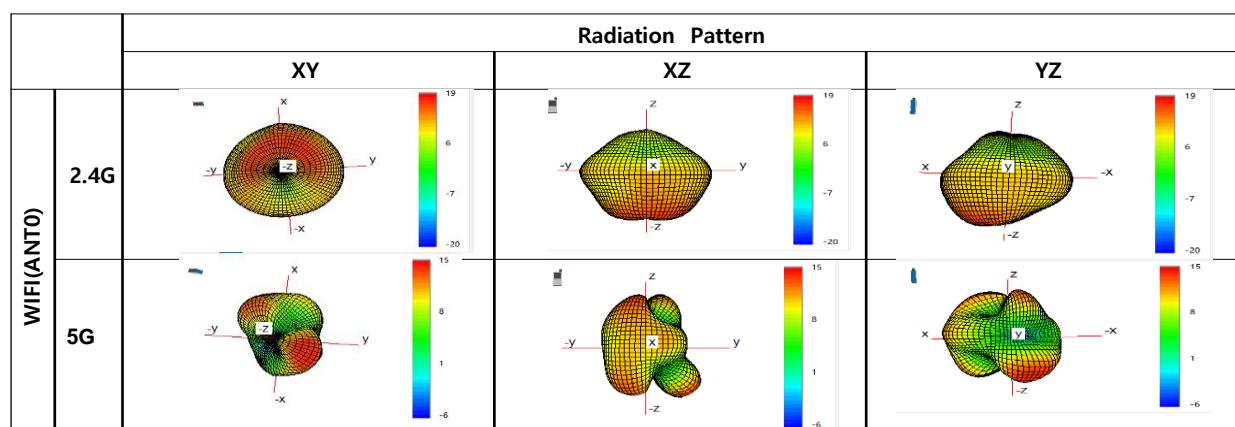
Internal antenna

1.1.2 Gain

BAND	Freq[MHZ]	Avg Gain (dbi)	PEAK Gain[dbi]	TX ANT
WIFI2.4/BT	2402~2480	-5.2	-1	ANT7

BAND	Freq(GHZ)	Avg Gain(dbi)	PEAK Gain(dbi)	TX ANT
WIFI 5G	5.15~5.25GHz	-5.7	-1.4	ANT0
	5.25~5.35GHz	-5.52	-1.35	ANT0
	5.47~5.725GHz	-5	-1.2	ANT0
	5.725~5.825GHz	-5.38	-1.41	ANT0
	5.725~5.850GHz	-5.67	-1.48	ANT0

1.1.3 Radiation Pattern



1.2 Cellular Antenna

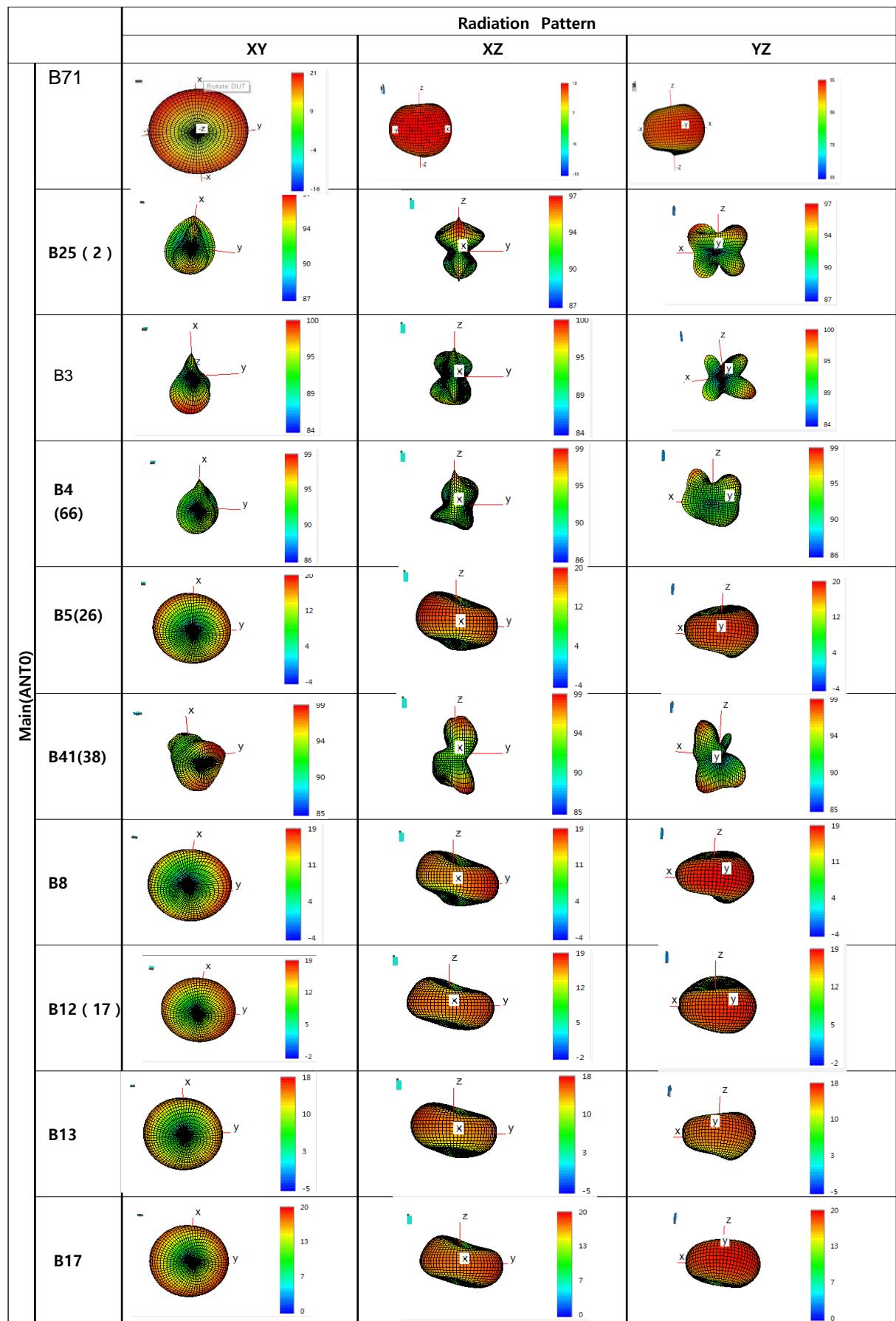
1.2.1 Antenna type

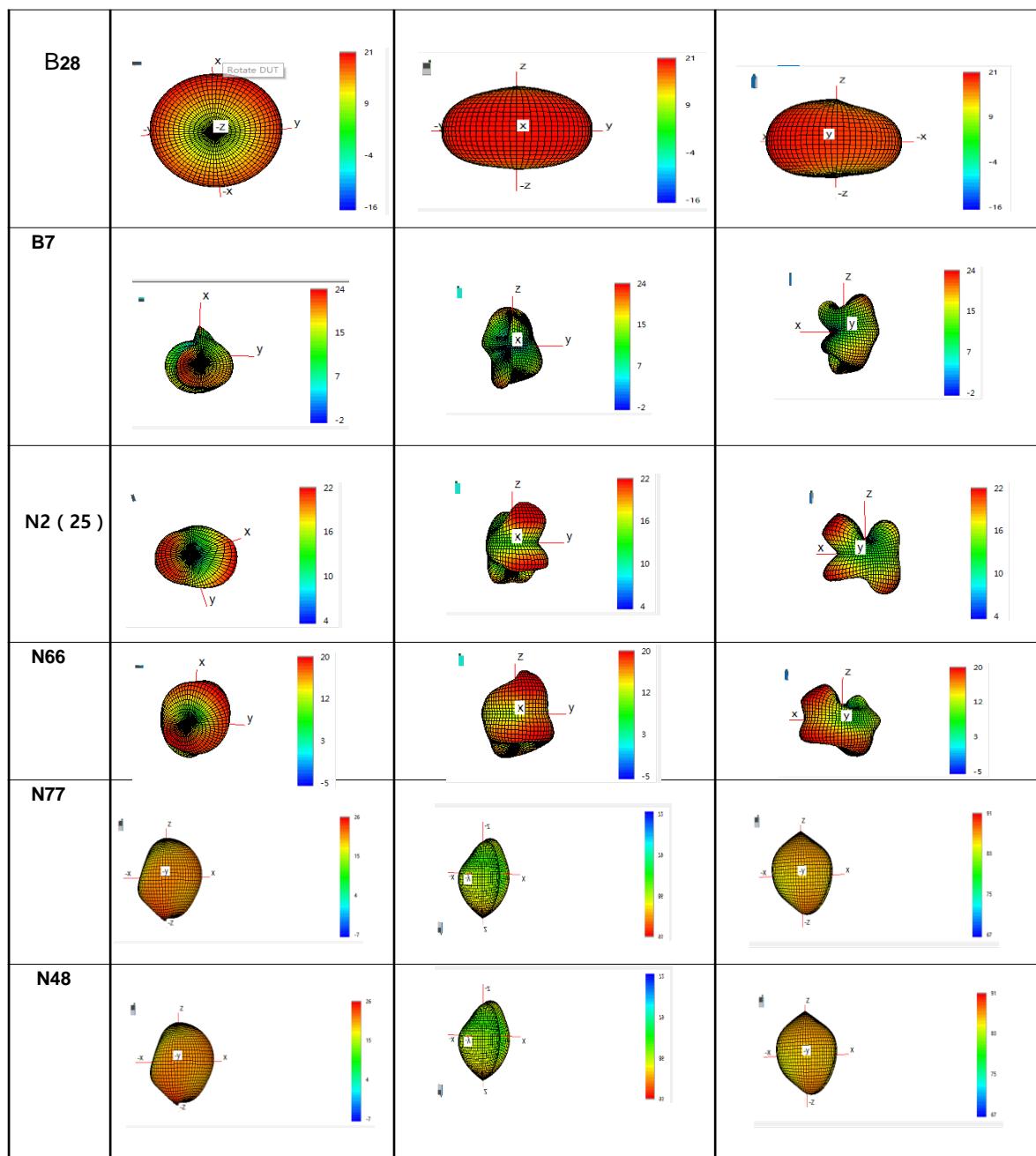
Internal antenna

1.2.2 Gain

BAND	Freq(MHZ)	Avg Gain(db)	PEAK Gain(db)	TX ANT
B1	1920-2170	-4.7	-1.6	ANT5
B25(2)	1850-1995	-4.8	-1.5	ANT5
B3	1710-1880	-5.5	-1.8	ANT5
B66(4)	1710-2180	-5.3	-1.7	ANT5
B26(5)	814-894	-7.4	-3.7	ANT5
B7	2500-2690	-5	-0.8	ANT5
B8	880-960	-7.6	-5.7	ANT5
B12(17)	699-746	-7.8	-5.2	ANT5
B13	746-787	-7.5	-5.4	ANT5
B28	703-803	-7.6	-5.8	ANT5
B41	2500-2690	-5.1	-1.2	ANT5
B71	617-698	-8	-6.2	ANT5
N2(25)	1850-1995	-4.8	-2.2	ANT1
N66	1710-2180	-4.9	-1.7	ANT1
N77	3300-4200	-5.6	-0.5	ANT3
N48	3550-3700	-5.6	-0.5	ANT3

1.2.3 Radiation Pattern





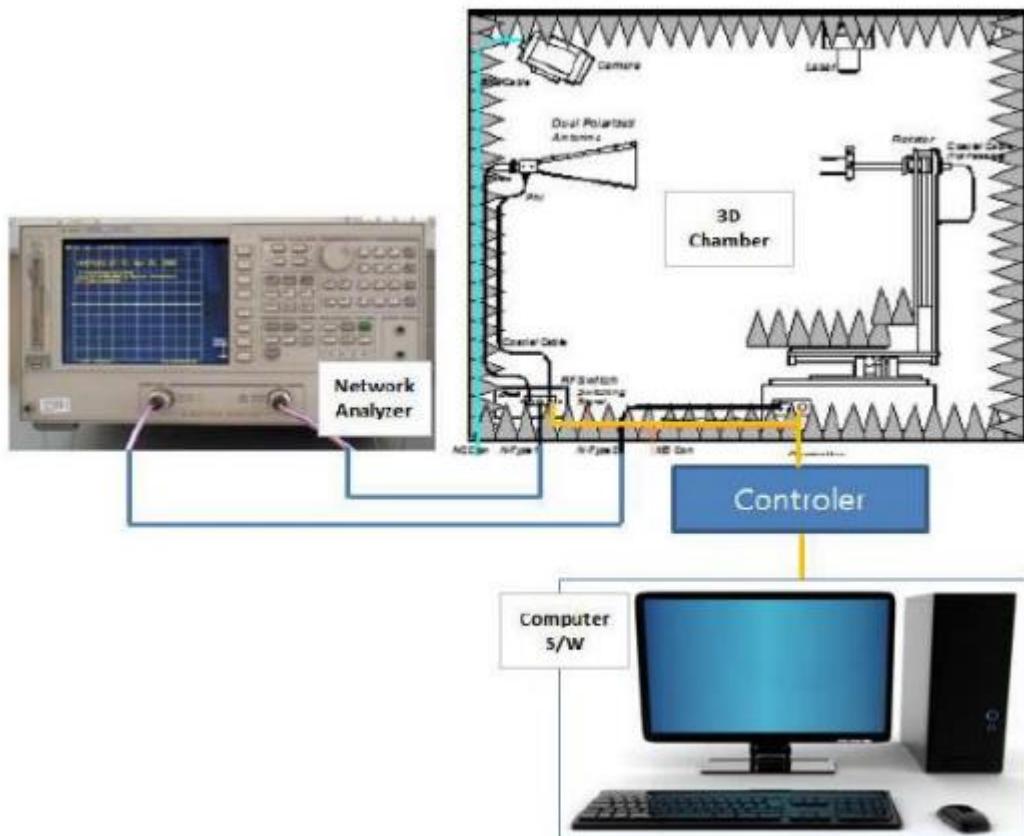
2 Test Condition

2.1 Test Environment (Condition/Method Radiation & Gain

Step 1. Calibrate the Chamber system using Horn antenna, and set up the software to control the Chamber system at the same time.

Step 2. Keep the measuring antenna to holder.

Step 3. Measure Gain & efficiency.

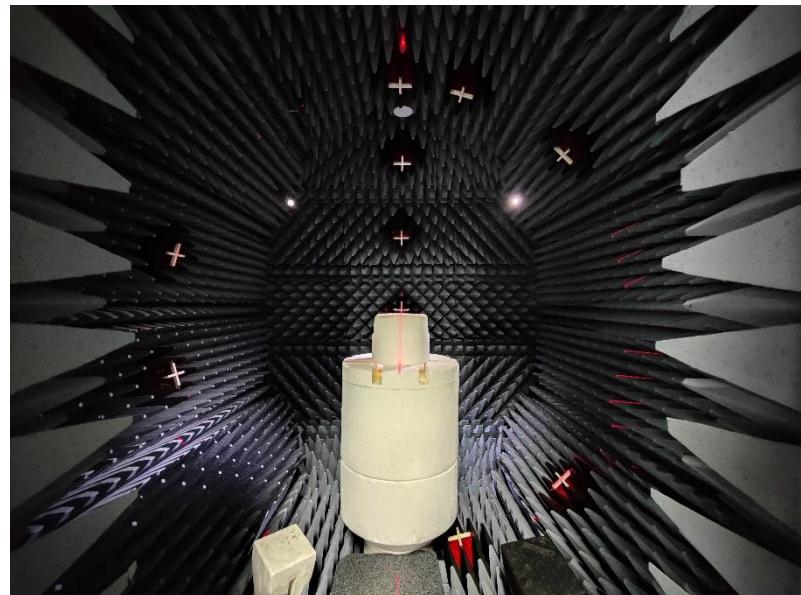
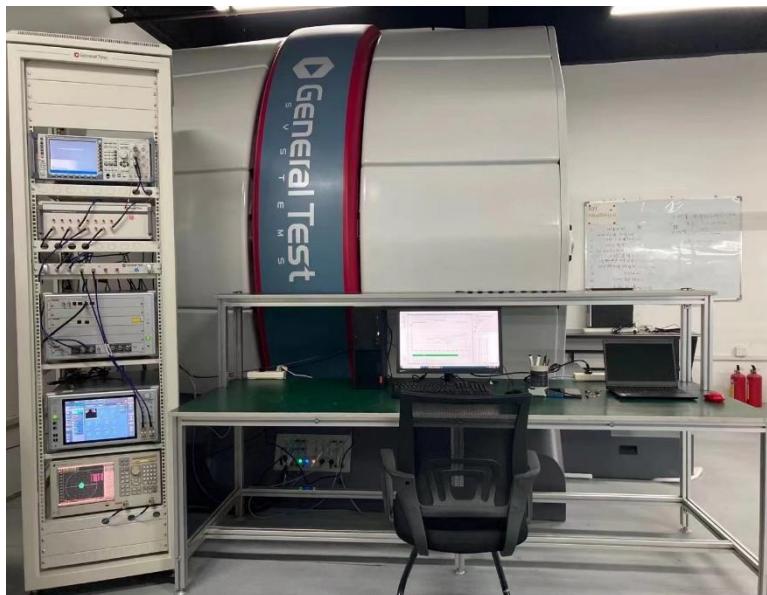


3 Antenna description

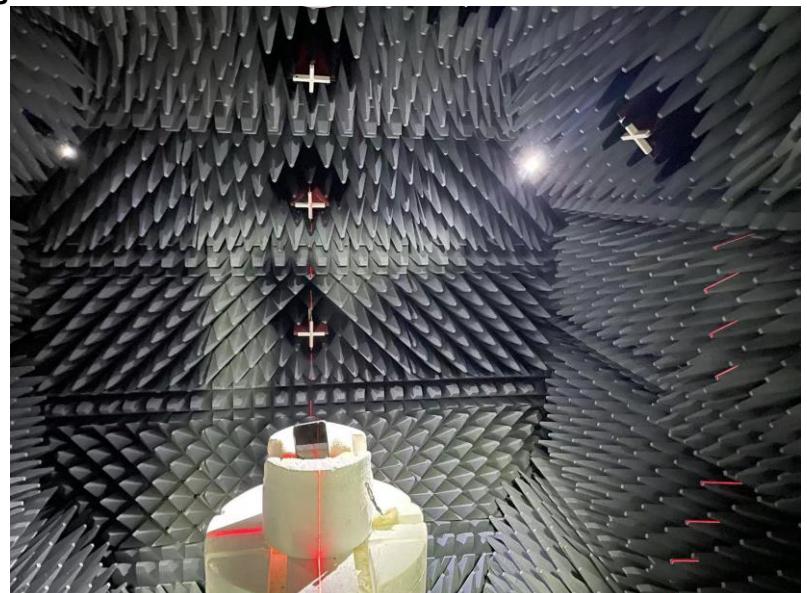
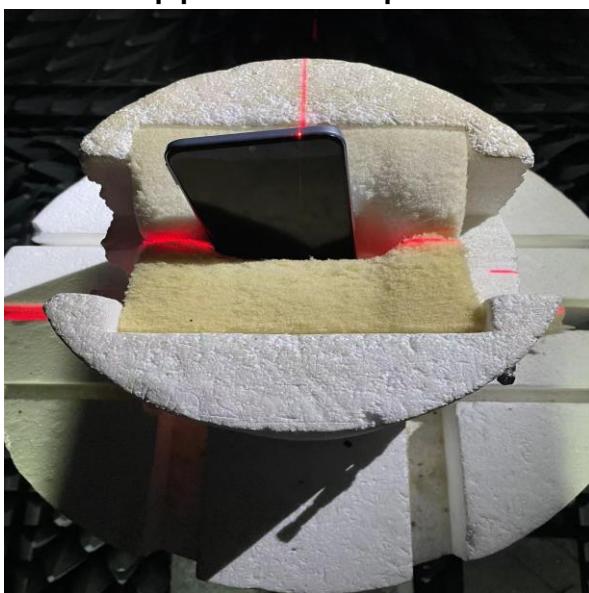
Type : Internal Antenna

4 List of Measuring Equipment

Multi-Probe OTA Measurement System



DUT setup photo of free space OTA testing



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Name	Sun Cupid Technology (HK) Ltd.
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Tel	
E-mail	
Equipment	

Model Name	NUU B40	Sun Cupid Technology (HK) Ltd.		Part Number	ALDMARG
Revision	1.0			Revision date	2024-05-24

5.2. Product Specification

5.2.1 Size and shape_Pattern

