

3D Antenna Measurement Report

PLATFORM MANUFACTURER: Kunshan Innowave Communication Technology Co., Ltd.

PLATFORM NAME:

BT

ANTENNA TYPE:

PCB Antenna

TESTED DATE:

2022.10.15

ISSUED:

2022.10.18

APPLICANT: Kunshan Innowave Communication Technology Co., Ltd.

ADDRESS : 1689 Zizhu Road, Yushan Town, Kunshan City, Jiangsu Province

ISSUED BY :

ADDRESS :

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RELEASE CONTROL RECORD

REPORT NO.	REASON FOR CHANGE	DATE ISSUED

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GENERAL INFORMATION

APPLICANT:	
MANUFACTURER:	Kunshan Innowave Communication Technology Co., Ltd.
MODEL NO.:	B02U

PREPARED BY : _____, **DATE :** 2022.10.18_

APPROVED BY : _____, **DATE :** 2022.10.18_

1. Test Equipment List

TYPE OF EQUIPMENT	MODEL NUMBER	SERIAL NUMBER	CALIBRATION DUE DATE
Network Analyzer	E5071C	WY46632208	2023.09.01
OTA	GTS-1800	N/A	2023.09.10

2. Measurement Uncertainty

Expanded Uncertainty for Measurement (k=2 or 95% Confidence Level) at Passive antenna test over frequency range 690 – 2200MHz is +/- 1.52 dB.

3. Characteristics of antenna

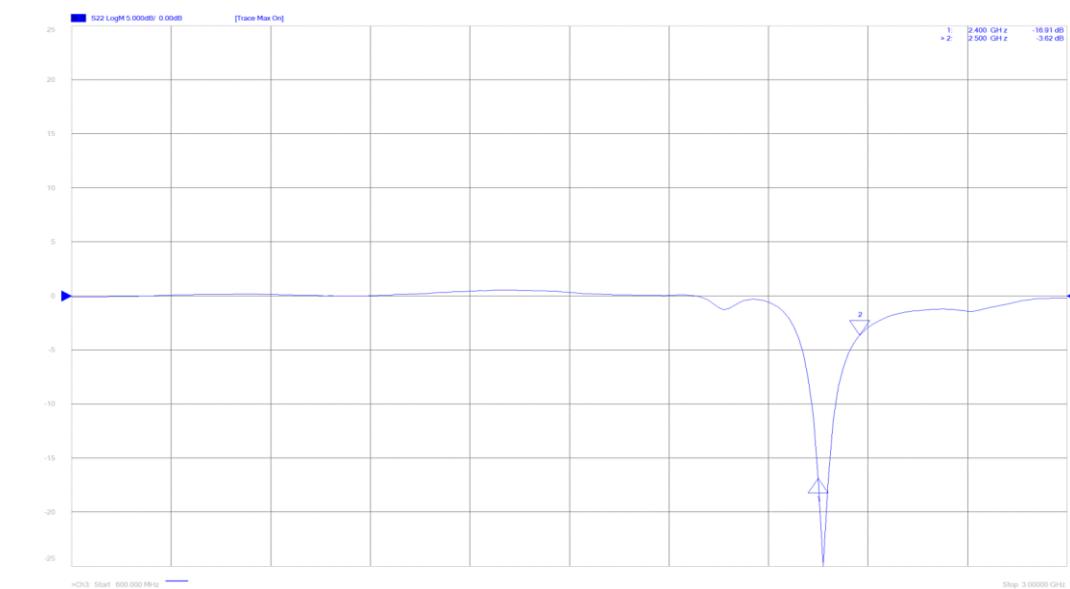
3.1. VSWR

BT Antenna:



3.2. S11

BT Antenna:

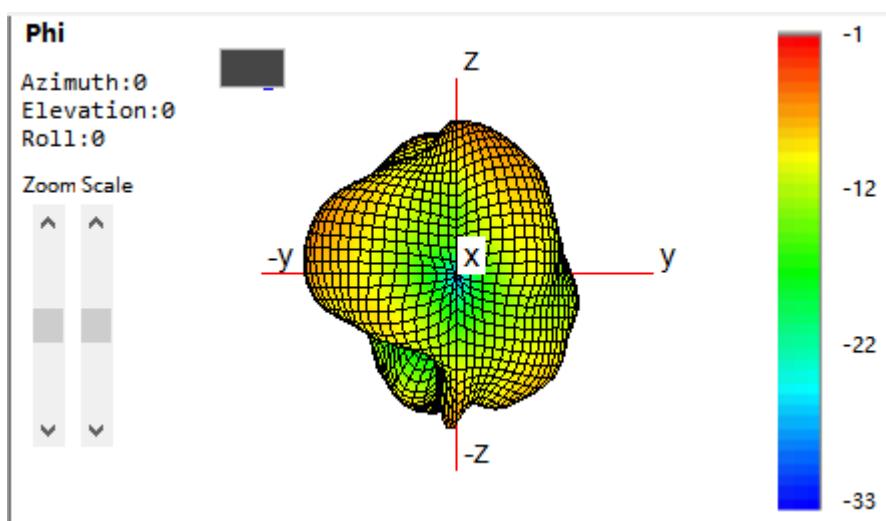
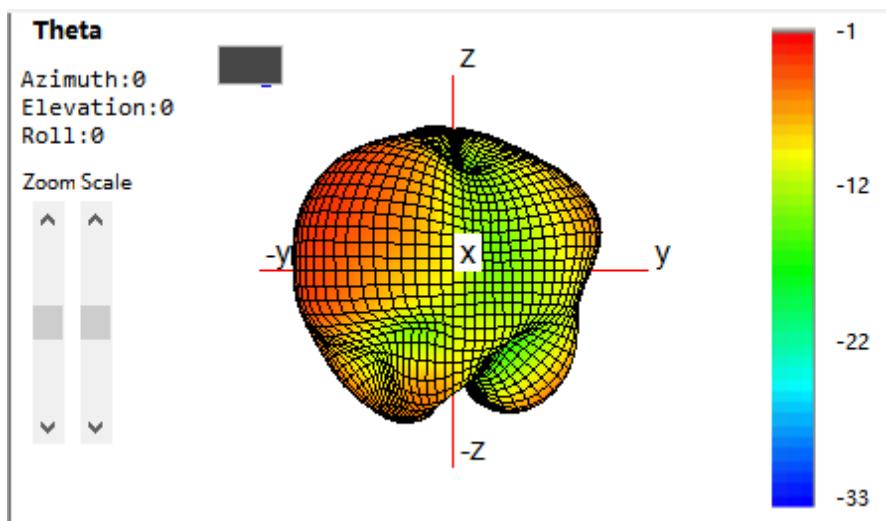


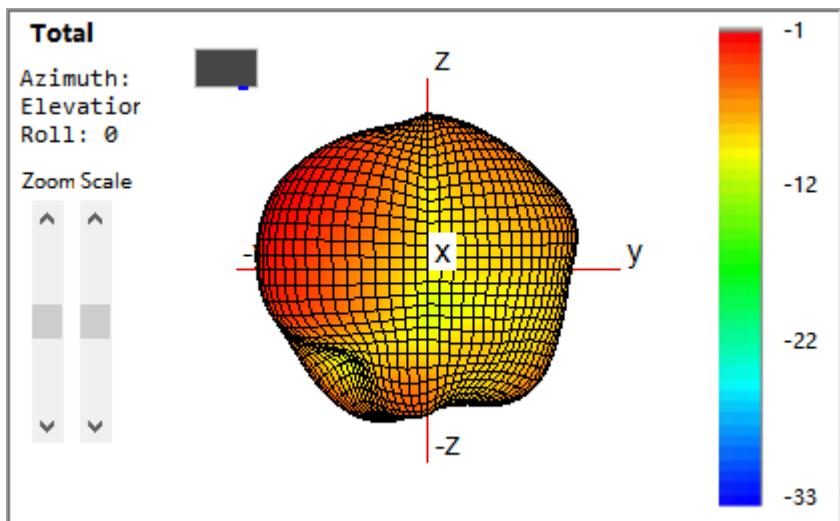
3.3. 3D Antenna Gain-Free Space

Freq(MHz)	Effi(dB)	Gain(dBi)
2400	-5.31	-5.1
2410	-5.19	-5.2
2420	-5.42	-5.1
2430	-5.84	-5.4
2440	-6.03	-5.1
2450	-6	-5
2460	-6.43	-5.2
2470	-6.81	-5
2480	-6.66	-5.3
2490	-6.87	-5.2
2500	-7.16	-5.2

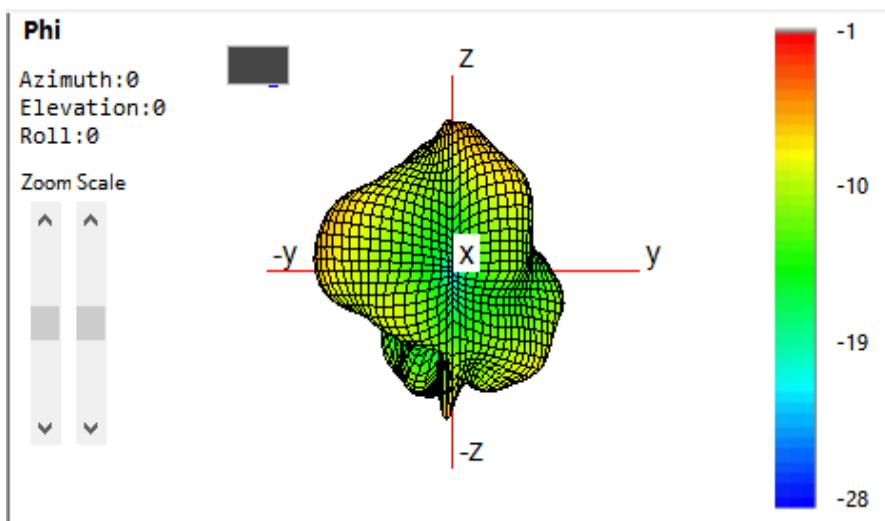
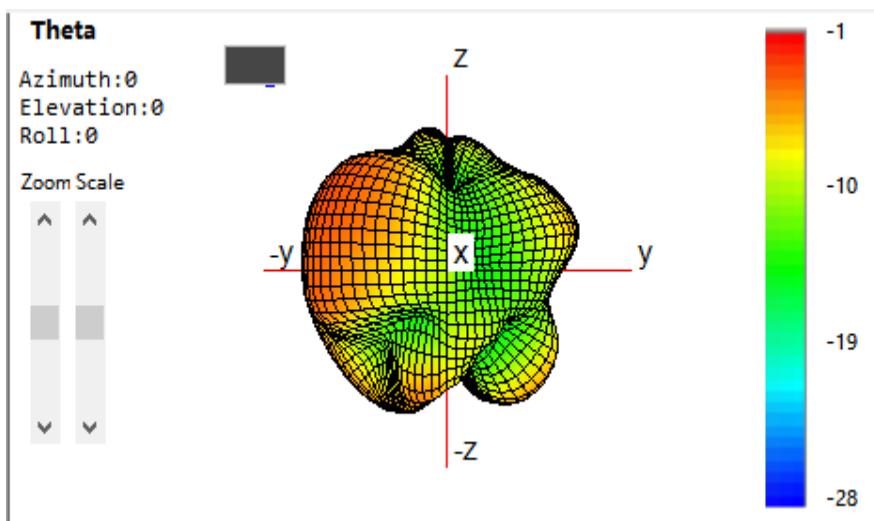
3.4. Antenna Pattern

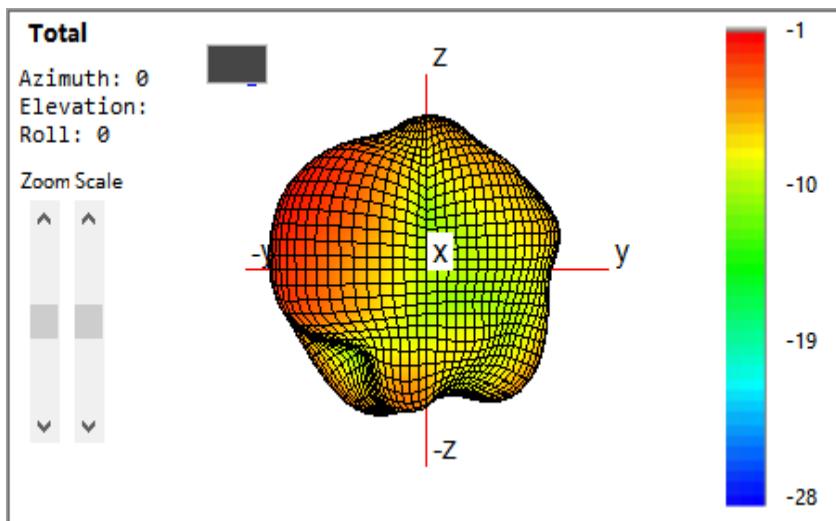
2400MHz





2440MHz





2480MHz

