

3D Antenna Measurement Report

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

PLATFORM NAME:

ВТ

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:

Thisreportisforyourexclusiveuse. Anycopyingorreplication of this report to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specificmention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification

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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.:	B02N

DDEDADED DV.	. DATE :	2022 40 40
PREPARED BY :	. DAIE.	2022.10.18

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



1. Test EquipmentList

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

2. MeasurementUncertainty

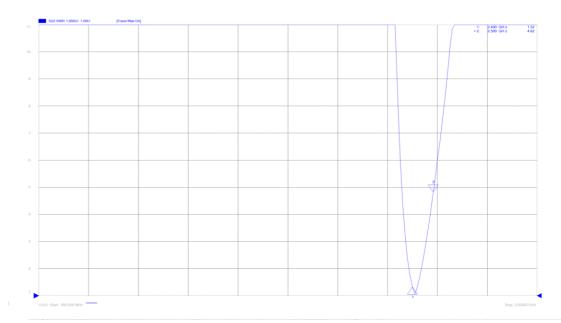
Expanded Uncertainty for Measurement (k=2 or 95% Confidence Level) at Passive antenna test over frequency range 690 – 2200MHz is +/- 1.52 dB.



3. Characteristics of antenna

3.1. **VSWR**

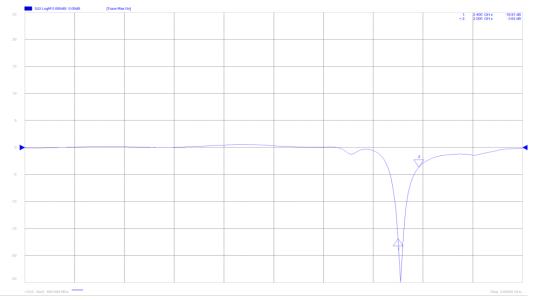
BT Antenna:





3.2. S11



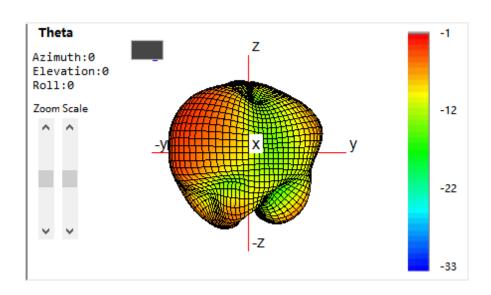


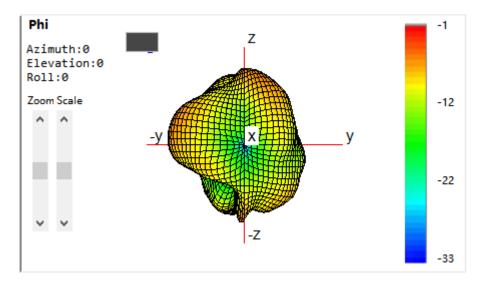
3.3. 3D Antenna Gain-Free Space

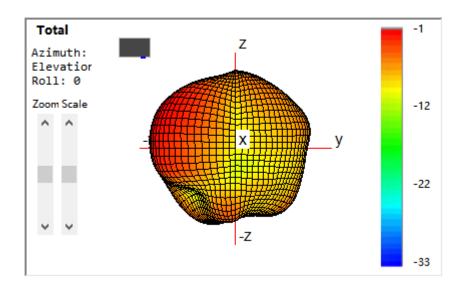
Freq(MHz)	Effi(dB)	Gain(dBi)
2400	-5.31	-5.1
2410	-5.19	-5.2
2420	-5.42	-5.1
2430	-5.84	-5.4
2440	-6.03	-5.1
2450	-6	-5
2460	-6.43	-5.2
2470	-6.81	- -
2480	-6.66	-5.3
2490	-6.87	-5.2
2500	-7.16	-5.2

3.4. Antenna Pattern

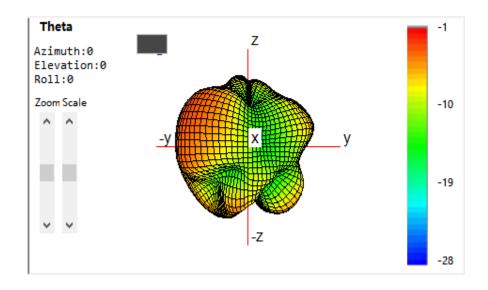
2400MHz

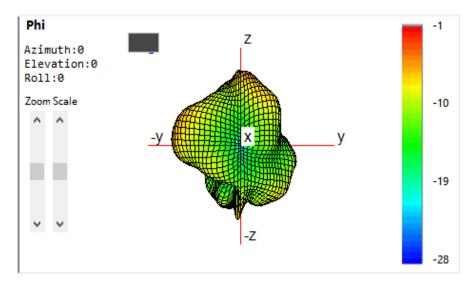


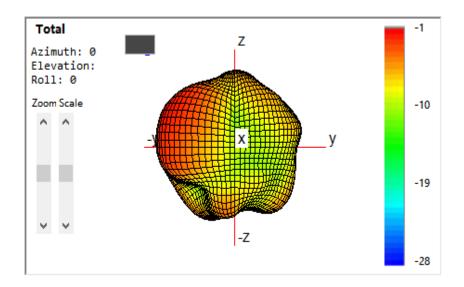




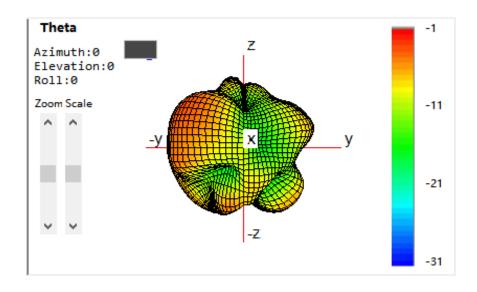
2440MHz

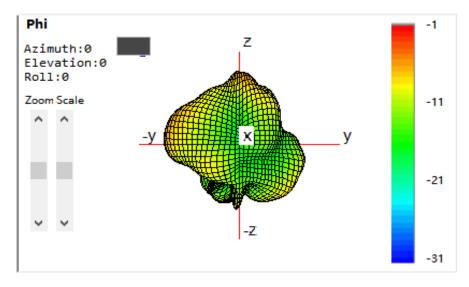


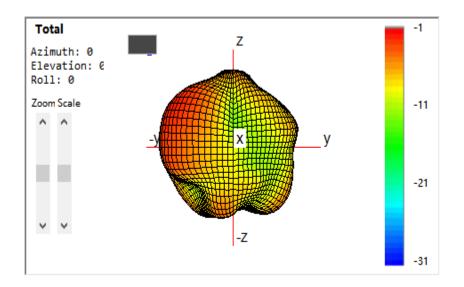




2480MHz







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