

Applicant	G.Tech Technology Ltd.	Date	2025/3/21	Temperature	24.8°C
Product	Dongle	Tested by	Carl	Humidity	40%
Model	RG64-B	Frequency range	2404-2480MHZ	Antenna Type	On board antenna
Testing laboratory	TUV Rheinland(Shenzhen) Co.,Ltd.				
Test Site Location	No.362, Huangguan Middle Road, Guanghu Street, Longhua District, Shenzhen, 518110, P.R. China				
Manufacturer	GOFORTUNE TECHNOLOGIES INDUSTRIAL CO LTD				
Test specification:	3GPP TS 34.114; 3GPP TR 37.902; 3GPP TR 25.914; IEEE Std 149-1979 Test procedure for antennas				

Testing Condition

Environment Parameter	Ambient Pressure	Temperature	Voltage	Relative Humidity
Normal Temperature, Normal Voltage (NTNV)	100 to 102 KPa	23.6°C	AC 220V	59.5%

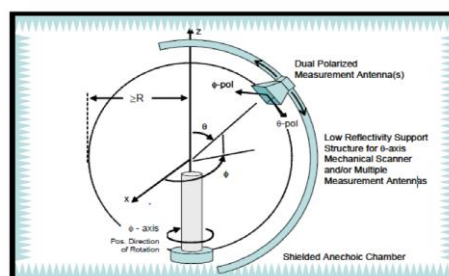
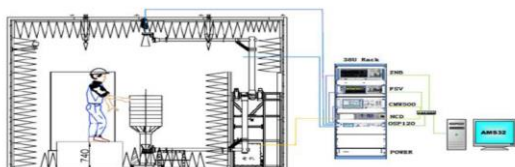
List of Equipment

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Vector Network Analyzer	R&S	ZNB 8	107040	2024.08.09	1 year
Signal and Spectrum Analyzer	R&S	FSV 7	103665	2024.08.09	1 year
Open switch and control platform	R&S	OSP120	102054	N/A	N/A
Positioner Controller	R&S	NCD	Jan-67	N/A	N/A
Test antenna	R&S	TC-TA18	101198	N/A	N/A

Test set up

Typical Setup for R&S TS8991

Measurements are performed in a R&S TS8991 3D fully anechoic test system. The test system includes a high-performance RF-shielded, rectangular anechoic chamber, a Distributed-axes system and R&S AMS32 data acquisition and analysis software.



RG64-B			
Frequency	Efficiency(dB)	Efficiency(%)	Peak Gain
2400.00	-3.73	42.37	3.27
2402.00	-3.72	42.43	3.27
2405.00	-3.74	42.31	3.27
2410.00	-3.45	45.23	3.53
2415.00	-3.65	43.18	3.36
2420.00	-3.55	44.11	3.41
2425.00	-3.74	42.27	3.22
2430.00	-3.64	43.23	3.40
2435.00	-3.64	43.29	3.39
2440.00	-3.43	45.41	3.54
2441.00	-3.38	45.95	3.61
2445.00	-3.39	45.83	3.53
2450.00	-3.42	45.49	3.51
2455.00	-3.42	45.45	3.41
2460.00	-3.51	44.53	3.23
2465.00	-3.67	42.91	3.10
2470.00	-3.92	40.59	2.80
2475.00	-3.80	41.66	2.93
2480.00	-4.03	39.56	2.52
2485.00	-3.96	40.20	2.55
2490.00	-4.04	39.44	2.49
2495.00	-4.12	38.71	2.38
2500.00	-4.39	36.35	2.04

