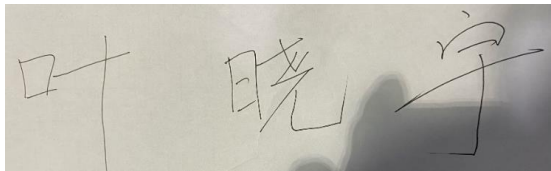
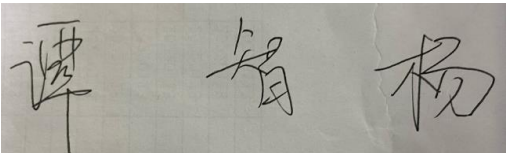
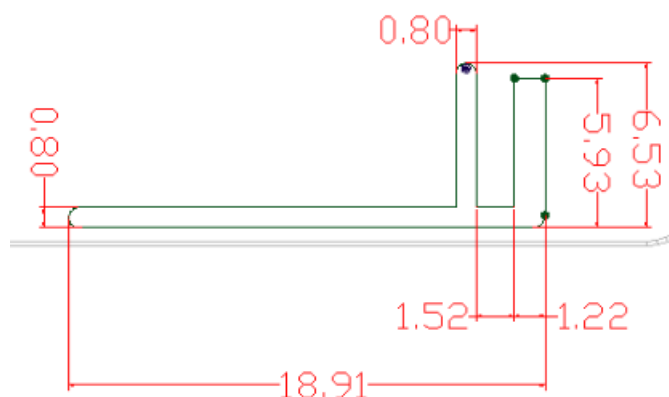


Sony BM65T Antenna report

Applicant	Tonly Technology Co., Ltd.
Address	Section 37, Zhongkai High-tech Development Zone, Huizhou City, Guangdong Province, 516006 China

Manufacturer or Supplier	Tonly Technology Co., Ltd.
Address	Section 37, Zhongkai High-tech Development Zone, Huizhou City, Guangdong Province, 516006 China
Product	IFA
Brand Name	sony
Model	BM65T ANT
Max. Peak Gain	3.4dBi
Date of tests	2023-01-16
Tested by xiaoyu ye	Approved by zhiyang tan
	

1. Antenna Size (mm)



2. Antenna photo (Please refer to Antena photos document)

3. Test setup photo (Please refer to Antena photos document)

4. Test standard

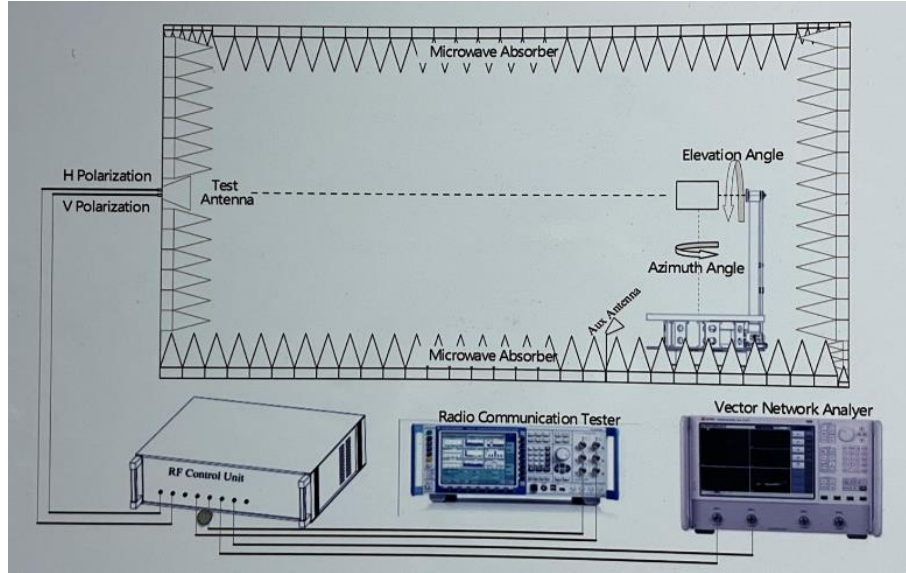
Name	Parameter	Method	Standard no.
Antenna performance	Radiation efficiency	IEEE Standard Test Procedures for Antennas	ANSI/IEEE Std 149-1979

5. Equipment list

Equipment	Manufacturer	Model No	Serial No.	Last Cal.	Due Date
Network Analyzer	Agilent	E5071C	MY46630767	2022. 4. 28	2023. 4. 27
Microwave chamber	GTS	GTS Maxsign-Dart7000		2022. 4. 28	2023. 4. 27
Turn table	GTS	Dart-700 turn table		2022. 4. 28	2023. 4. 27
turn table controller	GTS	Dart-700 turn table controller		2022. 4. 28	2023. 4. 27
Broad-Band Horn Antenna	GTS	AT-6000	MA-D0460	2022. 4. 28	2023. 4. 27

Test Software	GTS	Libra Version-3.0.3.1		2022.4.28	2023.4.27
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6. Test configuration diagram

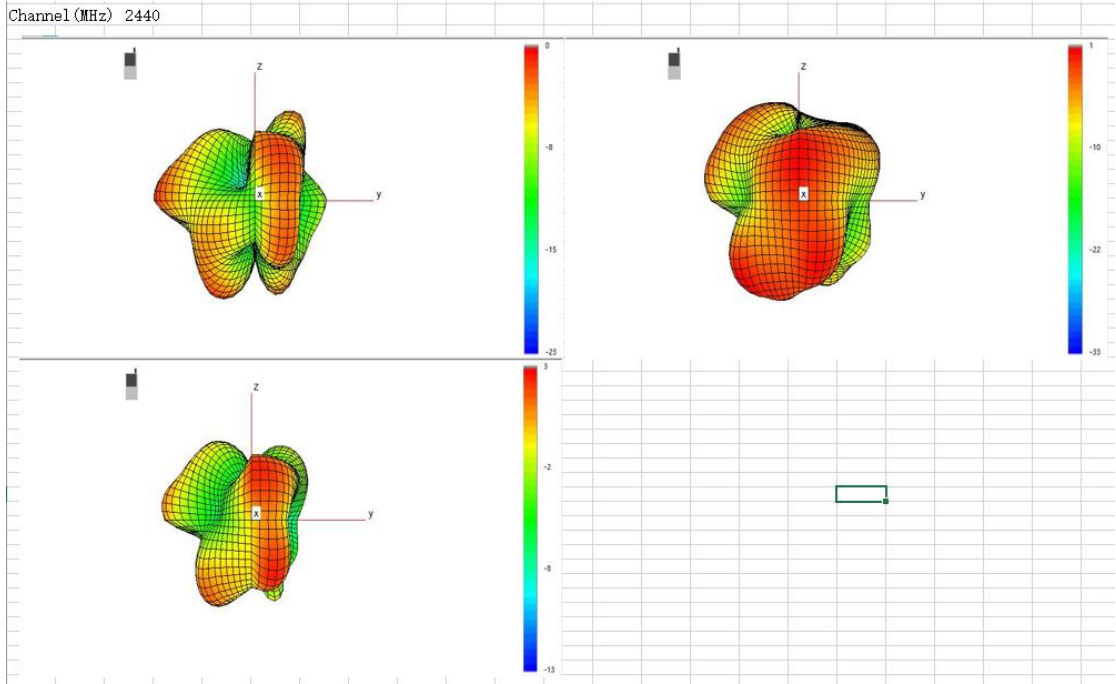


Test step flow:

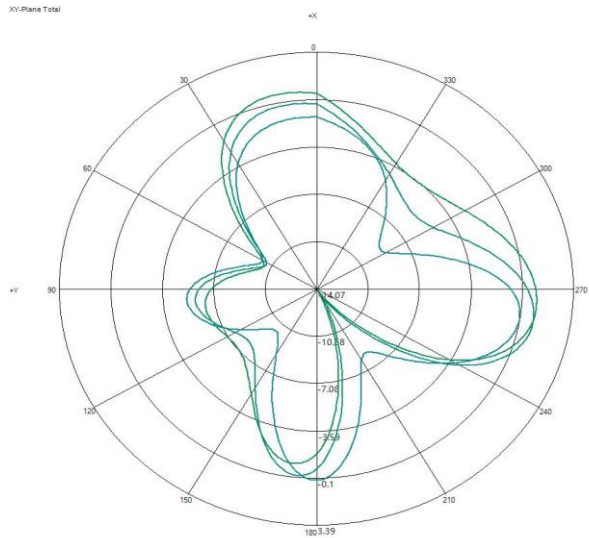
- 1) Maintain the test ambient temperature of 23 ± 2 C, the instrument is powered on and preheated for more than 30 minutes;
- 2) Turn on the darkroom power supply, connect the test cable, and set up the sample according to the standard;
- 3) Outline sets the test content objectives and conducts calibration tests;
- 4) Run the software, when the test is completed, export the corresponding test diagram and test data, and save to the corresponding directory.

7. Antenna gain

Freq (MHz)	Gain (dB)	Efficiency (dB)	Efficiency (%)
2400	1.822250512	-2.646637935	54.36710483
2410	2.243776308	-2.676187946	53.998439
2420	2.480084636	-2.714576181	53.52323835
2430	2.389824096	-2.885908508	51.45281608
2440	2.313565876	-2.983005858	50.31522443
2450	2.502545844	-2.979080917	50.36071742
2460	2.854041528	-2.956619713	50.62185187
2470	3.2742243	-2.895785595	51.33593076
2480	3.391857312	-3.007165329	50.03610176

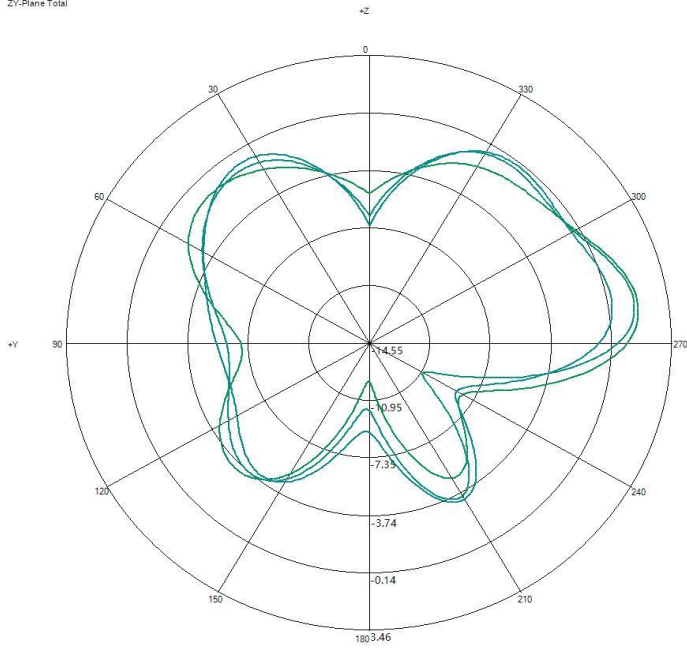


8. Antenna test data



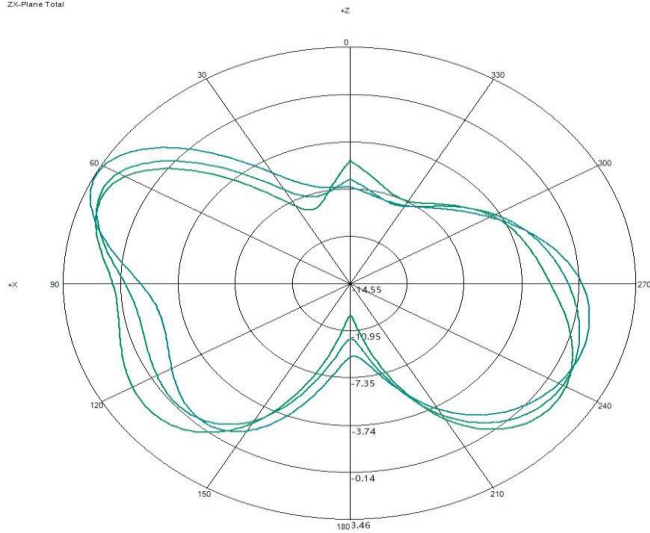
Channel (MHz)	Max. (dB)	Ave. (dB)
2400	0.790988	-3.03446
2440	0.227251	-3.45138
2480	0.039409	-3.9745

ZY-Plane Total



Channel (MHz)	Max. (dB)	Ave. (dB)
2400	0.790988	-2.99502
2440	0.227251	-3.10819
2480	-0.64504	-3.2161

ZX-Plane Total



Channel (MHz)	Max. (dB)	Ave. (dB)
2400	1.822251	-1.56995
2440	2.313566	-1.8278
2480	3.391857	-1.67492