



MEASUREMENT REPORT FOR TAS700 BRAZIL B-CAR

SHANGHAI INTERNATIONAL

Shanghai Telematics Team

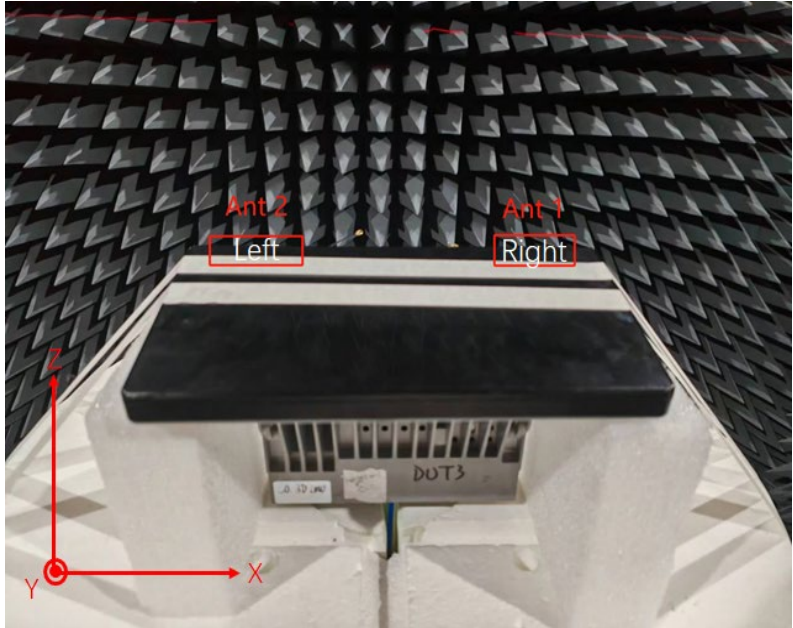
2024.0417

#1

TAS700 BRAZIL—B-CAR



Project----TAS700 Brazil B-CAR
Set up in the chamber and CS



The test result does not include the loss of the transmit line on board



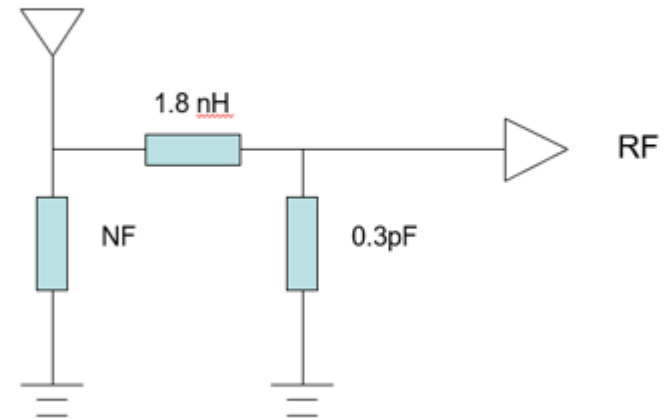
BT/WIFI antenna
2.4~2.5GHz;
5.15~5.85GHz
Antenna type: IFA

WIFI antenna
2.4~2.5GHz
Antenna type: IFA

Test result for WIFI antenna 2.4~2.5GHz

Frequency (MHz)	Efficiency(%)	Efficiency(dB)	Gain(dB)
2400	53%	-2.75	2.77
2420	50%	-2.99	3.15
2440	51%	-2.96	2.7
2460	53%	-2.76	2.05
2480	47%	-3.27	2.12
2500	41%	-3.86	2.85

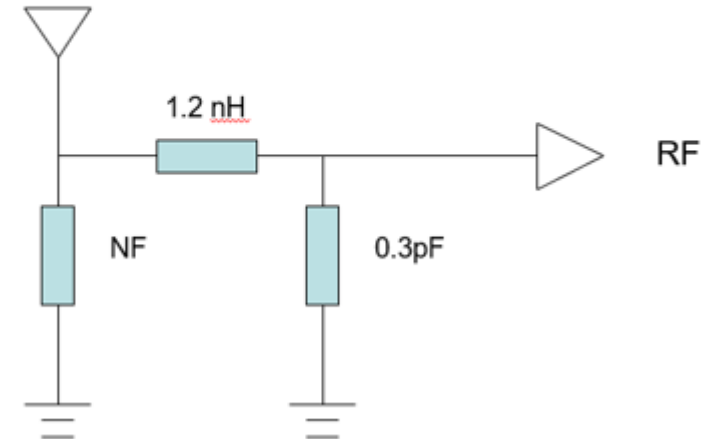
WIFI antenna 2.4~2.5GHz



Test result for BT/ WIFI antenna 2.4~2.5GHz;5.15~5.85GHz

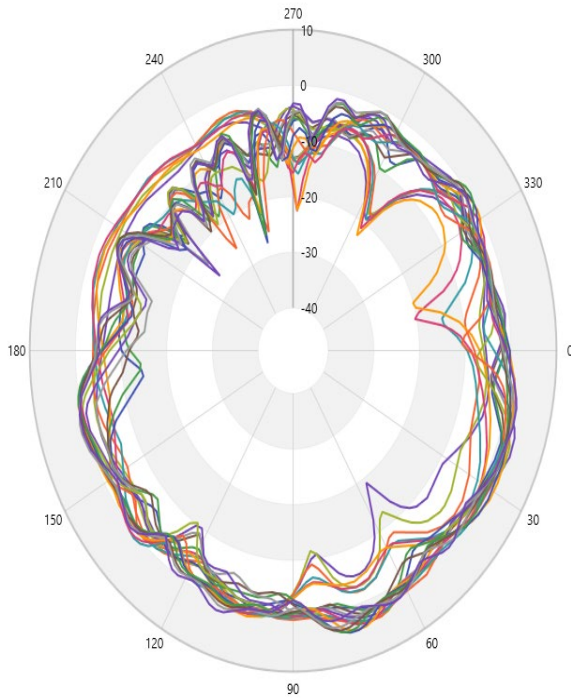
Frequency (MHz)	Efficiency(%)	Efficiency(dB)	Gain(dB)	Frequency (MHz)	Efficiency(%)	Efficiency(dB)	Gain(dB)
2400	50%	-2.99	3.19	5150	35%	-4.52	5.06
2420	50%	-2.98	3.06	5200	34%	-4.71	4.91
2440	49%	-3.12	3.82	5250	36%	-4.44	5.04
2460	44%	-3.52	3.51	5300	37%	-4.35	5.09
2480	41%	-3.92	3.44	5350	40%	-3.96	5.75
2500	40%	-3.93	3.19	5400	41%	-3.84	5.58
				5450	44%	-3.58	4.83
				5500	46%	-3.36	4.54
				5550	49%	-3.07	4.66
				5600	56%	-2.53	4.23
				5650	56%	-2.48	4.51
				5700	59%	-2.3	4.36
				5750	56%	-2.53	4.19
				5800	57%	-2.42	4.13
				5850	56%	-2.54	3.41

BT/ WIFI antenna
2.4~2.5GHz;5.15~5.85GHz



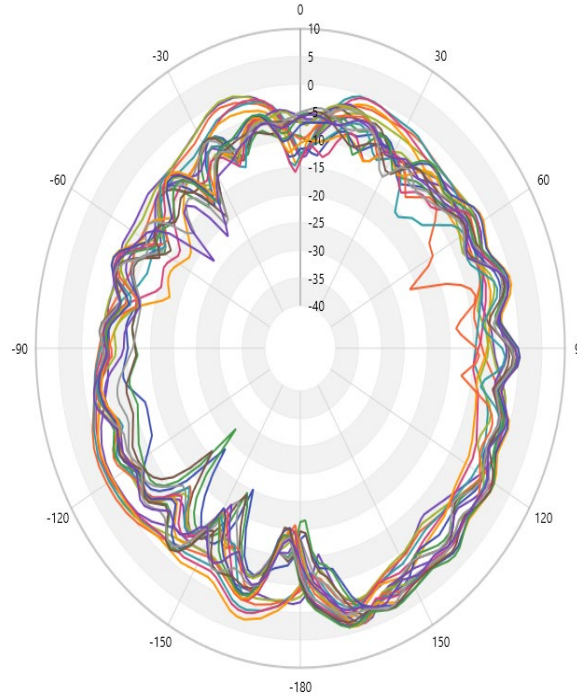
2D Radiation pattern for WIFI antenna 2.4~2.5GHz

- 90° 2400.00 MHz ETotal
- 90° 2420.00 MHz ETotal
- 90° 2440.00 MHz ETotal
- 90° 2460.00 MHz ETotal
- 90° 2480.00 MHz ETotal
- 90° 2500.00 MHz ETotal
- 90° 5150.00 MHz ETotal
- 90° 5200.00 MHz ETotal
- 90° 5250.00 MHz ETotal
- 90° 5300.00 MHz ETotal
- 90° 5350.00 MHz ETotal
- 90° 5400.00 MHz ETotal
- 90° 5450.00 MHz ETotal
- 90° 5500.00 MHz ETotal
- 90° 5550.00 MHz ETotal
- 90° 5600.00 MHz ETotal
- 90° 5650.00 MHz ETotal
- 90° 5700.00 MHz ETotal
- 90° 5750.00 MHz ETotal
- 90° 5800.00 MHz ETotal
- 90° 5850.00 MHz ETotal



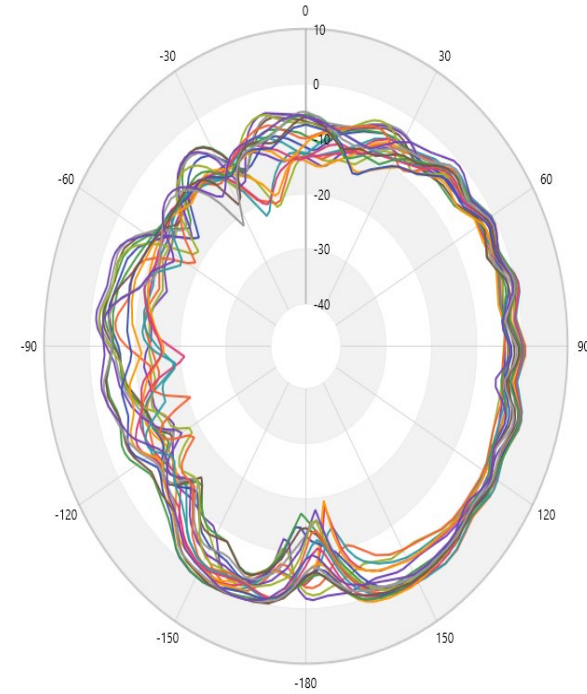
Theta 90

- 0° 2400.00 MHz ETotal
- 0° 2420.00 MHz ETotal
- 0° 2440.00 MHz ETotal
- 0° 2460.00 MHz ETotal
- 0° 2480.00 MHz ETotal
- 0° 2500.00 MHz ETotal
- 0° 5150.00 MHz ETotal
- 0° 5200.00 MHz ETotal
- 0° 5250.00 MHz ETotal
- 0° 5300.00 MHz ETotal
- 0° 5350.00 MHz ETotal
- 0° 5400.00 MHz ETotal
- 0° 5450.00 MHz ETotal
- 0° 5500.00 MHz ETotal
- 0° 5550.00 MHz ETotal
- 0° 5600.00 MHz ETotal
- 0° 5650.00 MHz ETotal
- 0° 5700.00 MHz ETotal
- 0° 5750.00 MHz ETotal
- 0° 5800.00 MHz ETotal
- 0° 5850.00 MHz ETotal



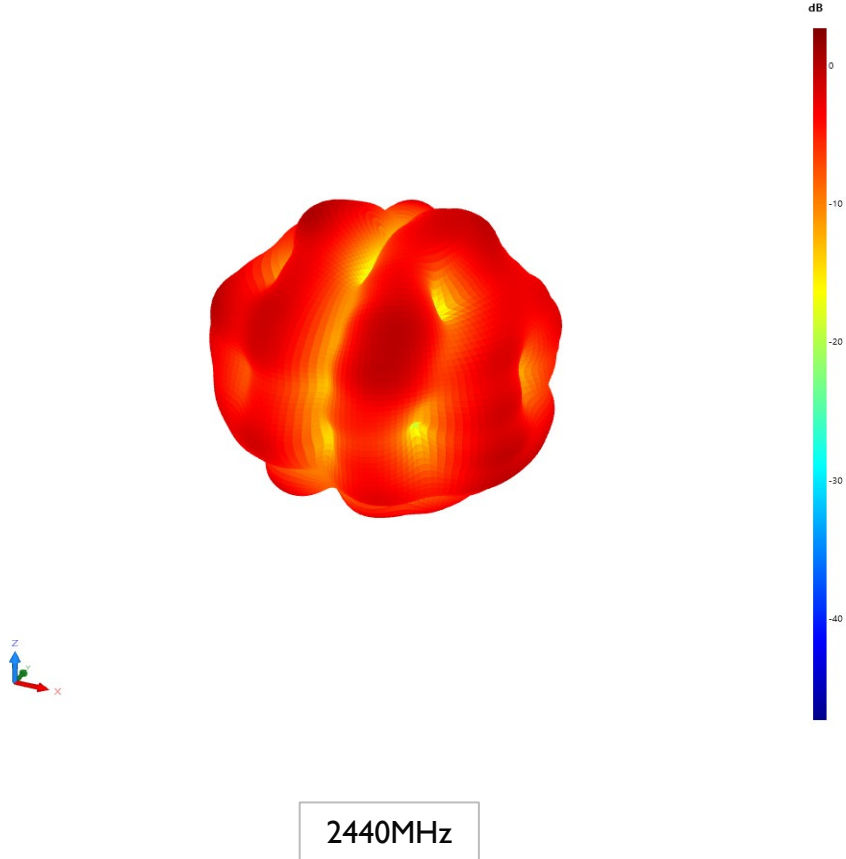
Phi 0

- 90° 2400.00 MHz ETotal
- 90° 2420.00 MHz ETotal
- 90° 2440.00 MHz ETotal
- 90° 2460.00 MHz ETotal
- 90° 2480.00 MHz ETotal
- 90° 2500.00 MHz ETotal
- 90° 5150.00 MHz ETotal
- 90° 5200.00 MHz ETotal
- 90° 5250.00 MHz ETotal
- 90° 5300.00 MHz ETotal
- 90° 5350.00 MHz ETotal
- 90° 5400.00 MHz ETotal
- 90° 5450.00 MHz ETotal
- 90° 5500.00 MHz ETotal
- 90° 5550.00 MHz ETotal
- 90° 5600.00 MHz ETotal
- 90° 5650.00 MHz ETotal
- 90° 5700.00 MHz ETotal
- 90° 5750.00 MHz ETotal
- 90° 5800.00 MHz ETotal
- 90° 5850.00 MHz ETotal



Phi 90

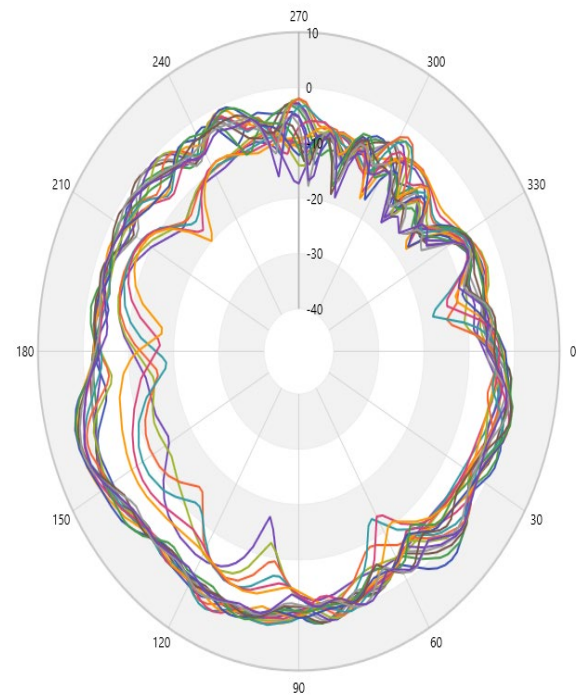
3D Radiation pattern for WIFI antenna 2.4~2.5GHz



2D Radiation pattern for BT/ WIFI antenna 2.4~2.5GHz; 5.15~5.85GHz

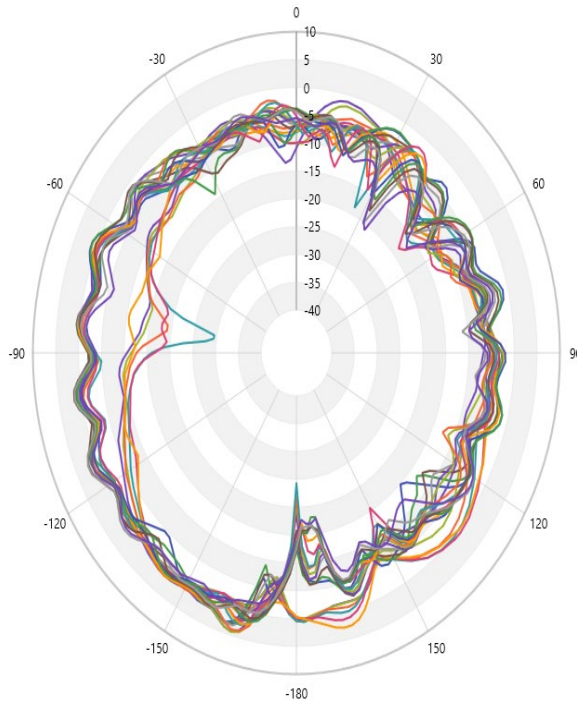


- 90° 2400.00 MHz ETotal
- 90° 2420.00 MHz ETotal
- 90° 2440.00 MHz ETotal
- 90° 2460.00 MHz ETotal
- 90° 2480.00 MHz ETotal
- 90° 2500.00 MHz ETotal
- 90° 5150.00 MHz ETotal
- 90° 5200.00 MHz ETotal
- 90° 5250.00 MHz ETotal
- 90° 5300.00 MHz ETotal
- 90° 5350.00 MHz ETotal
- 90° 5400.00 MHz ETotal
- 90° 5450.00 MHz ETotal
- 90° 5500.00 MHz ETotal
- 90° 5550.00 MHz ETotal
- 90° 5600.00 MHz ETotal
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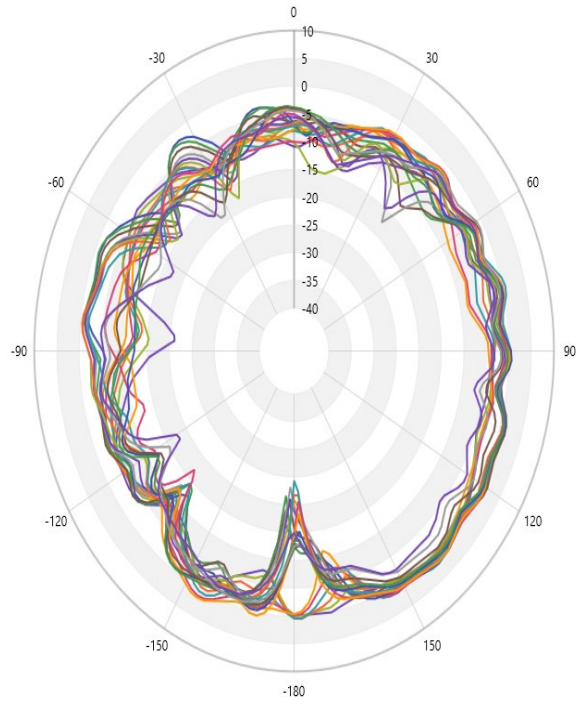
Theta 90

- 0° 2400.00 MHz ETotal
- 0° 2420.00 MHz ETotal
- 0° 2440.00 MHz ETotal
- 0° 2460.00 MHz ETotal
- 0° 2480.00 MHz ETotal
- 0° 2500.00 MHz ETotal
- 0° 5150.00 MHz ETotal
- 0° 5200.00 MHz ETotal
- 0° 5250.00 MHz ETotal
- 0° 5300.00 MHz ETotal
- 0° 5350.00 MHz ETotal
- 0° 5400.00 MHz ETotal
- 0° 5450.00 MHz ETotal
- 0° 5500.00 MHz ETotal
- 0° 5550.00 MHz ETotal
- 0° 5600.00 MHz ETotal
- 0° 5650.00 MHz ETotal
- 0° 5700.00 MHz ETotal
- 0° 5750.00 MHz ETotal
- 0° 5800.00 MHz ETotal
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Phi 0

- 90° 2400.00 MHz ETotal
- 90° 2420.00 MHz ETotal
- 90° 2440.00 MHz ETotal
- 90° 2460.00 MHz ETotal
- 90° 2480.00 MHz ETotal
- 90° 2500.00 MHz ETotal
- 90° 5150.00 MHz ETotal
- 90° 5200.00 MHz ETotal
- 90° 5250.00 MHz ETotal
- 90° 5300.00 MHz ETotal
- 90° 5350.00 MHz ETotal
- 90° 5400.00 MHz ETotal
- 90° 5450.00 MHz ETotal
- 90° 5500.00 MHz ETotal
- 90° 5550.00 MHz ETotal
- 90° 5600.00 MHz ETotal
- 90° 5650.00 MHz ETotal
- 90° 5700.00 MHz ETotal
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- 90° 5850.00 MHz ETotal



Phi 90

3D Radiation pattern for BT/ WIFI antenna 2.4~2.5GHz; 5.15~5.85GHz

