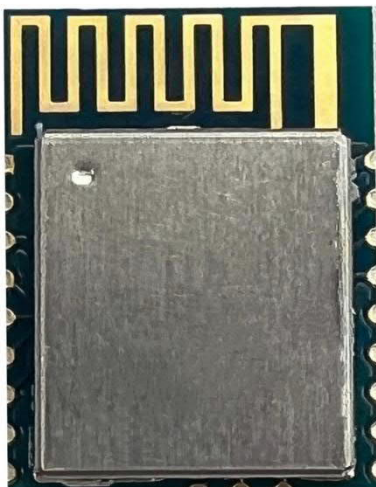


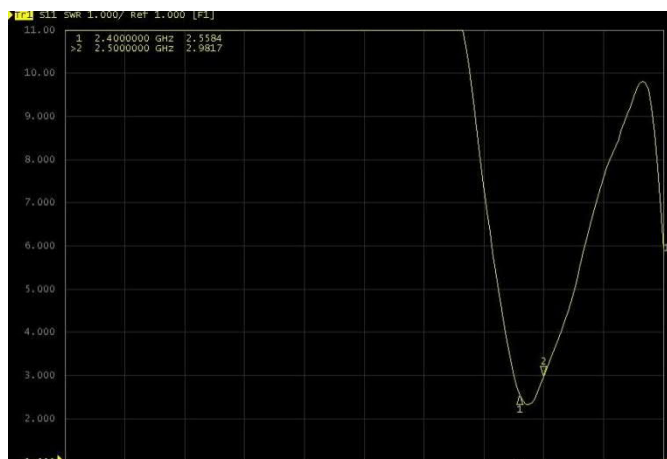
PART NUMBER: CBT-RBT11
ANTENNA DESCRIPTION: PCB Antenna
VERSION: V1.1
Released Date: 2021.3.21
Manufacturer: Shenzhen Tianditong Electronics Co. Ltd.
Manufacturer address: Shenzhen, Baoan District, West Village, iron Gang village, the Peach Garden science and Technology Innovation Park, second sub Park, A building, 2-3 floor
Antenna size: 9.8*4.5mm

1. Overview

This antenna specification describes the RF performance of the WLT8258 module onboard antenna, ensuring that when connected to a 50 ohm source, the VSWR ratio is less than 3 in the 2.4 GHz ISM frequency band, the gain maps in different directions of the antenna, and the antenna efficiency and gain values in different frequency bands.



2. Return loss、VSWR

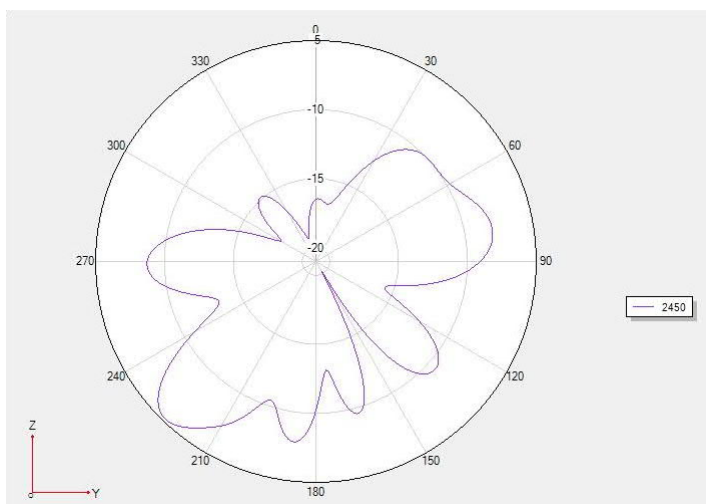
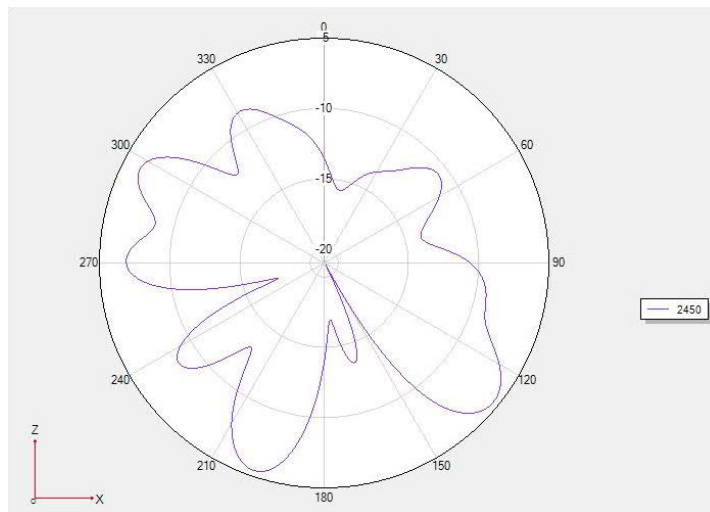
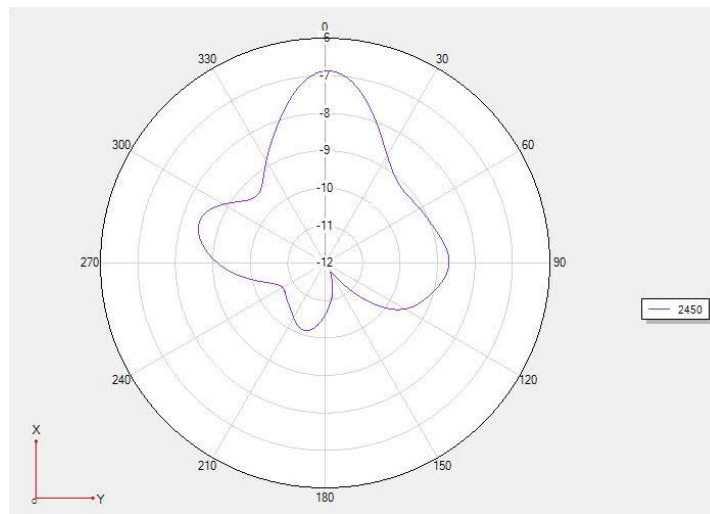


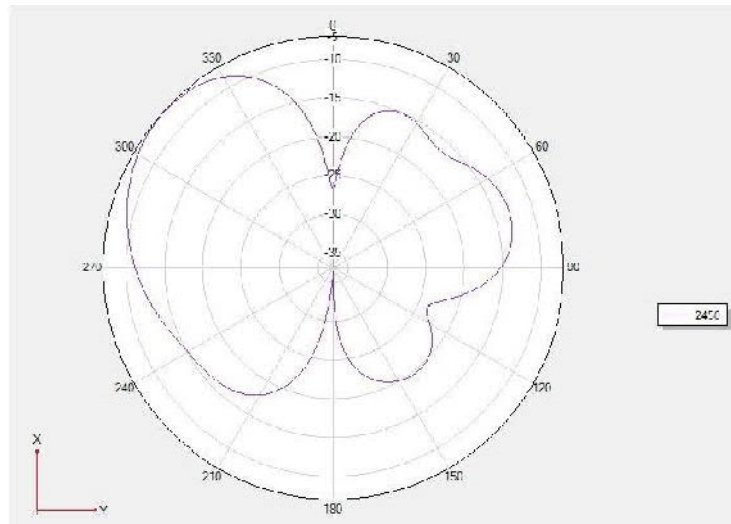
Return loss



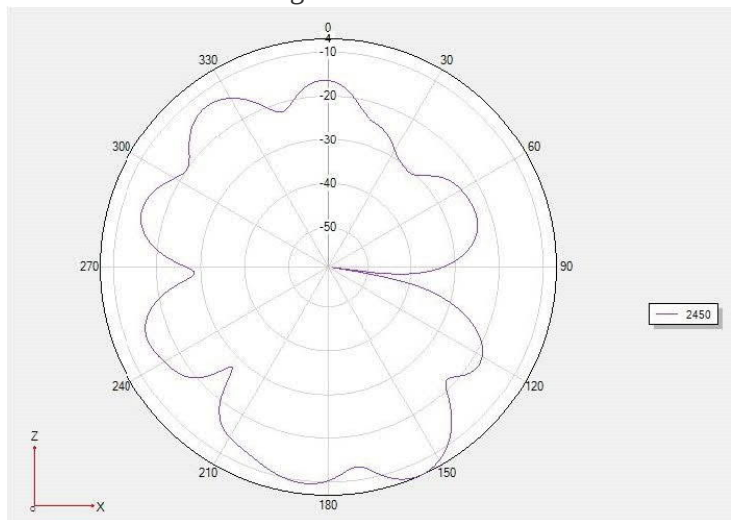
VSWR

3. Direction and Gain Graph

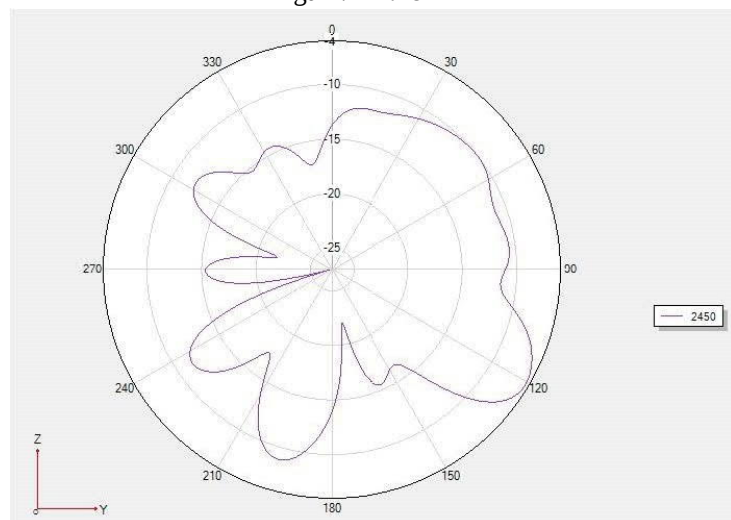




gain: -5.1dBi



gain: -4.4dBi



gain: -4.8dBi

4. Antenna gain meter

Frequency / MHz	Efficiency / dB	Efficiency / %	Gain/ dBi
2400	-8.49	14.16	-2.92
2405	-8.41	14.42	-2.99
2410	-8.35	14.62	-3.12
2415	-8.28	14.86	-2.67
2420	-8.32	14.72	-3.11
2425	-8.25	14.96	-2.75
2430	-8.1	15.49	-2.67
2435	-8.23	15.03	-3.14
2440	-8.18	15.21	-2.19
2445	-8.01	15.81	-2.44
2450	-8.11	15.45	-2.45
2455	-8.06	15.63	-2.07
2460	-8.12	15.42	-2.78
2465	-8.22	15.07	-2.25
2470	-8	15.85	-2.36
2475	-8.25	14.96	-2.84
2480	-8.39	14.49	-2.25
2485	-8.24	15	-2.53
2490	-8.44	14.32	-2.93
2495	-8.48	14.19	-2.97
2500	-8.56	13.93	-3.2