



WLT8258 Antenna Specifications

Latest

Weilintong (Shanghai) Communication Technology Co., Ltd.

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1. Overview

This antenna specification describes WLT8258. The RF performance of the module's onboard antenna ensures that when connected to a 50 ohm source, the VSWR ratio on the 2.4 GHz ISM band is less than 2, the gain diagram of the antenna in different directions, the antenna efficiency and gain values in different frequency bands.

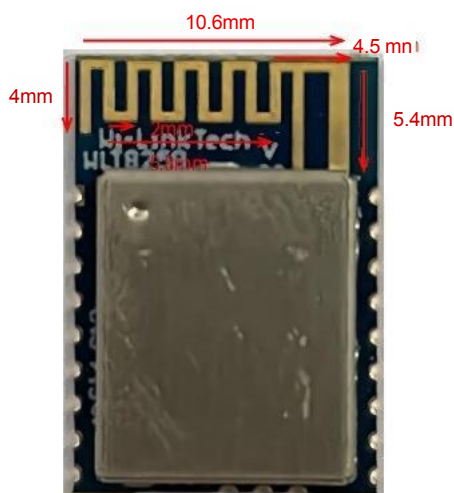
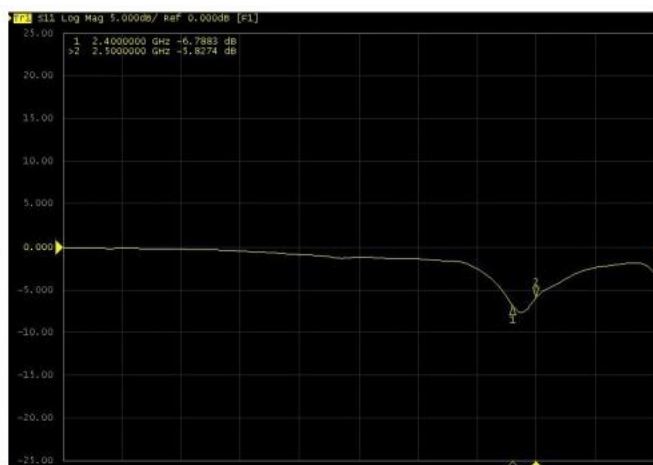


Figure 1-1:WLT8258Modules

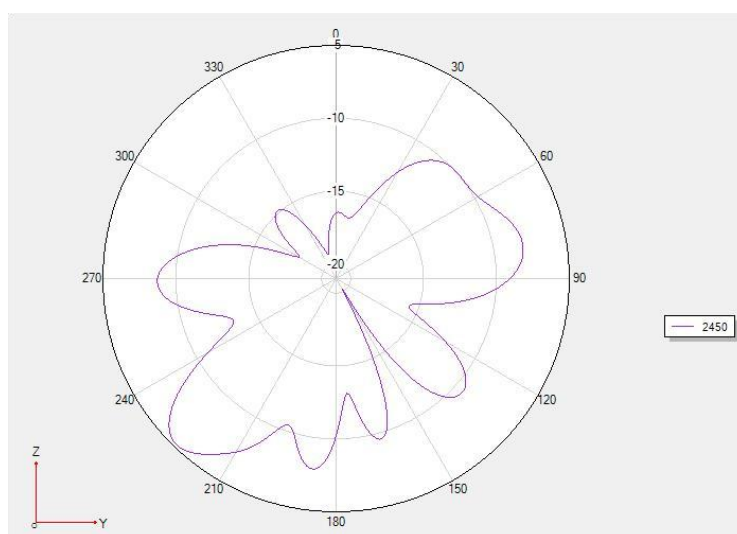
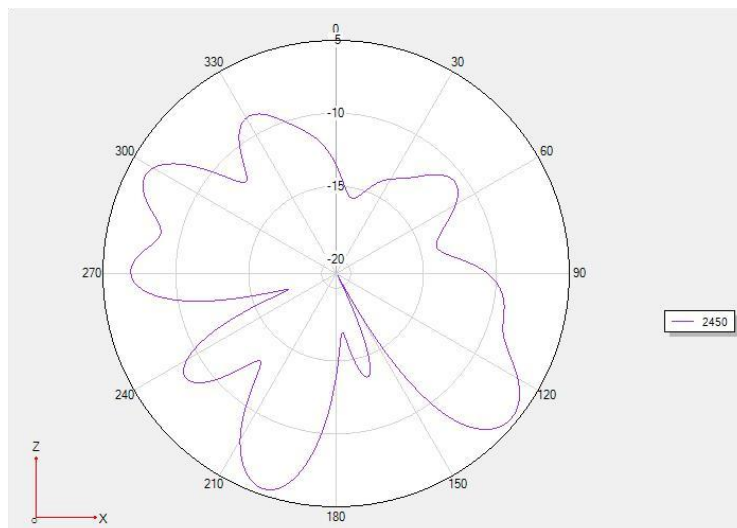
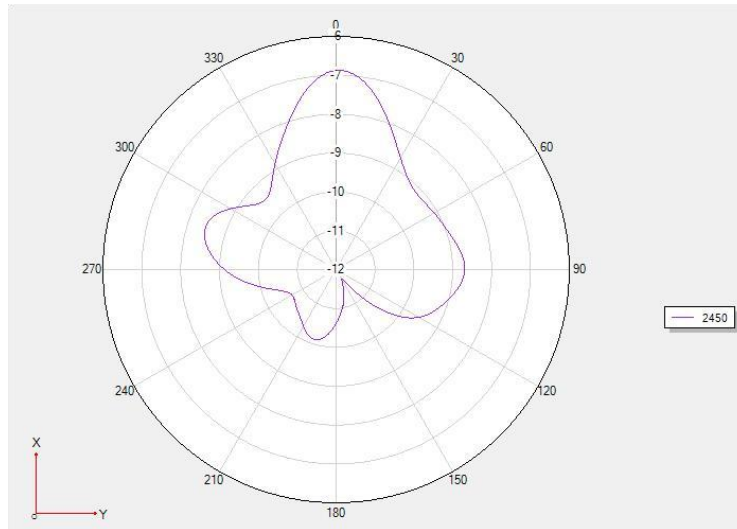
2.Return loss, VSWR



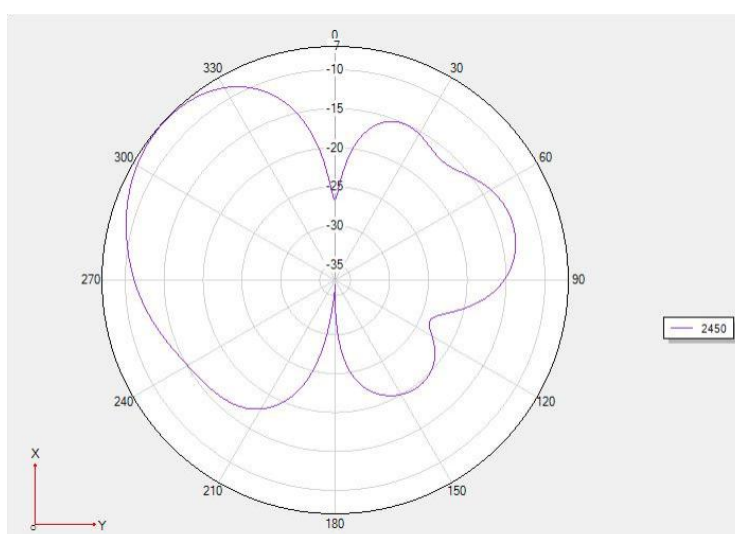
Return lossVSWR

3. Direction and gain diagram

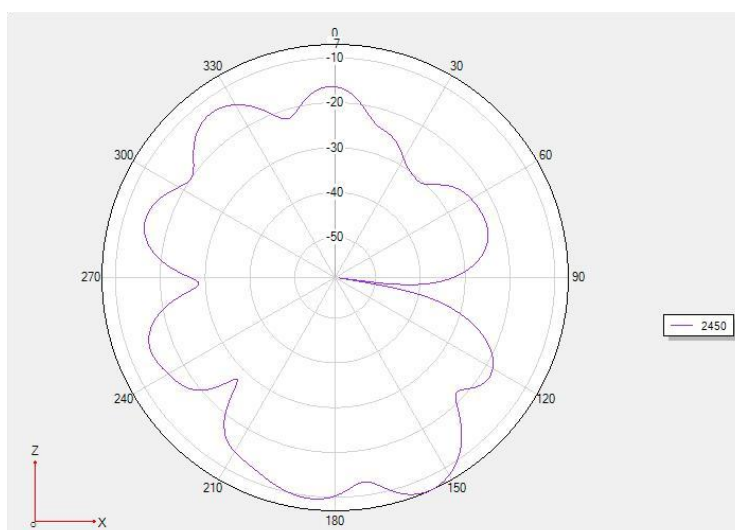
Etheta



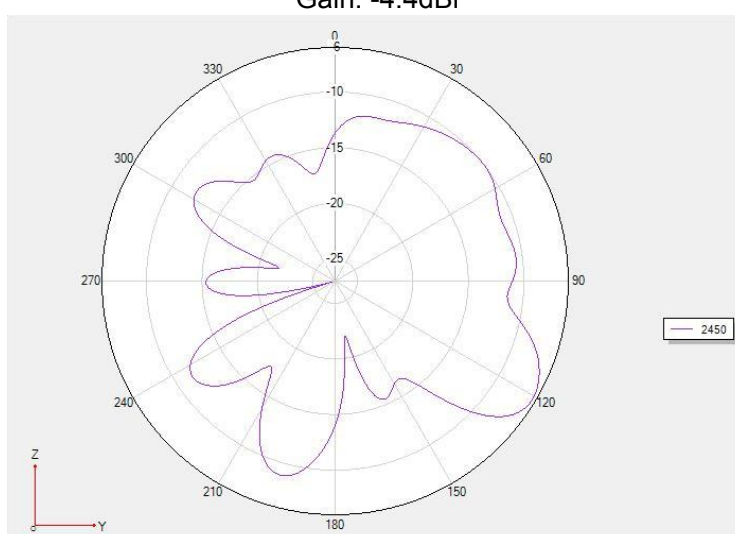
Ephi



Gain: -5.1dBi



Gain: -4.4dBi



Gain: -4.8dBi

4. Antenna gain table

Frequency / MHz	Efficiency / dB	Efficiency / %	Gain/ dBi
2400	-8.49	14.16	-5.92
2405	-8.41	14.42	-5.99
2410	-8.35	14.62	-5.12
2415	-8.28	14.86	-5.67
2420	-8.32	14.72	-5.11
2425	-8.25	14.96	-5.75
2430	-8.1	15.49	-5.67
2435	-8.23	15.03	-5.14
2440	-8.18	15.21	-5.19
2445	-8.01	15.81	-5.44
2450	-8.11	15.45	-4.4
2455	-8.06	15.63	-6.07
2460	-8.12	15.42	-6.78
2465	-8.22	15.07	-2.25
2470	-8	15.85	-5.36
2475	-8.25	14.96	-5.84
2480	-8.39	14.49	-6.25
2485	-8.24	15	-6.53
2490	-8.44	14.32	-6.93
2495	-8.48	14.19	-6.97
2500	-8.56	13.93	-7.2