



WLT 8016 Antenna Specification

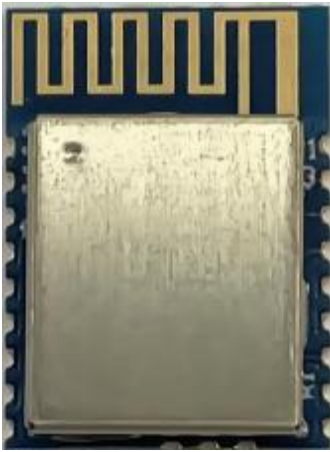
Wi-linktech Communication Technologies (Shanghai) Co.,Ltd.

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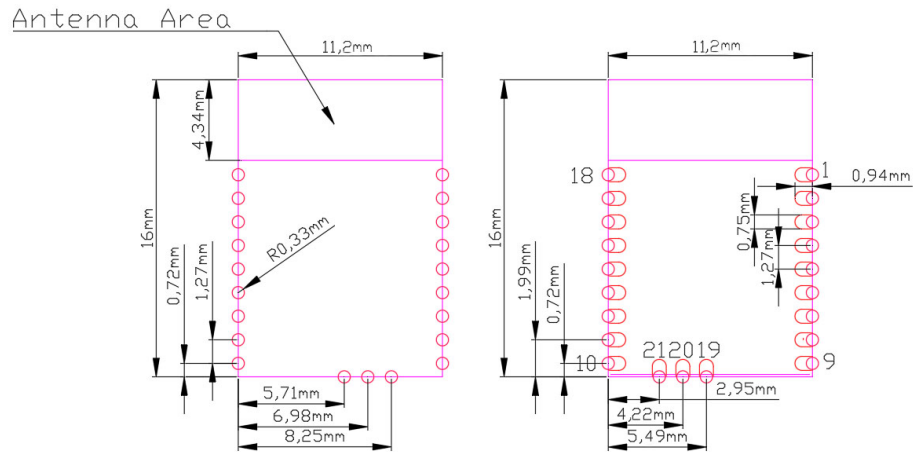
latest version V1.0

1.summary

This antenna specification describes the RF performance of the PCB antenna of the WLT8016 module, ensuring that when connected to a 50 ohm source, in VSWR ratio in 2.4 GHz ISM band is less than 2, gain diagram of antenna in different directions, antenna efficiency and gain value in different bands. The dimensions are shown in Figure 1-2

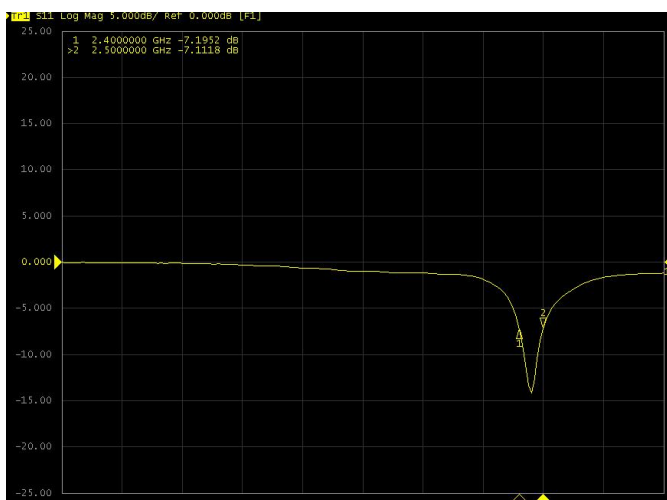


Picture 1-1: WLT8016

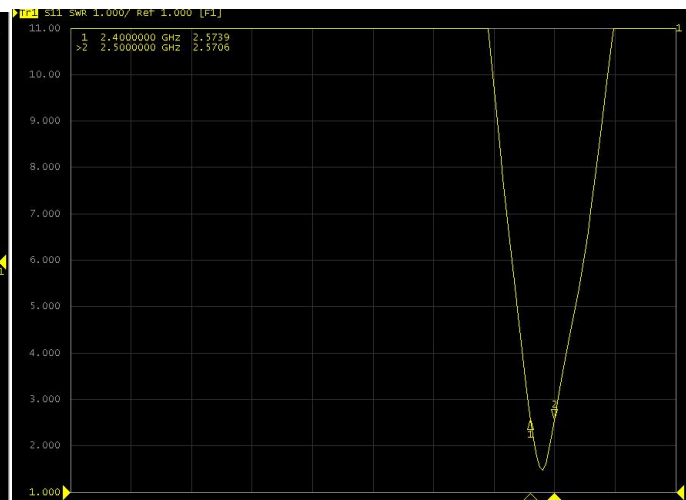


Picture 1-2: WLT8016 Size

2.Return loss、 VSWR



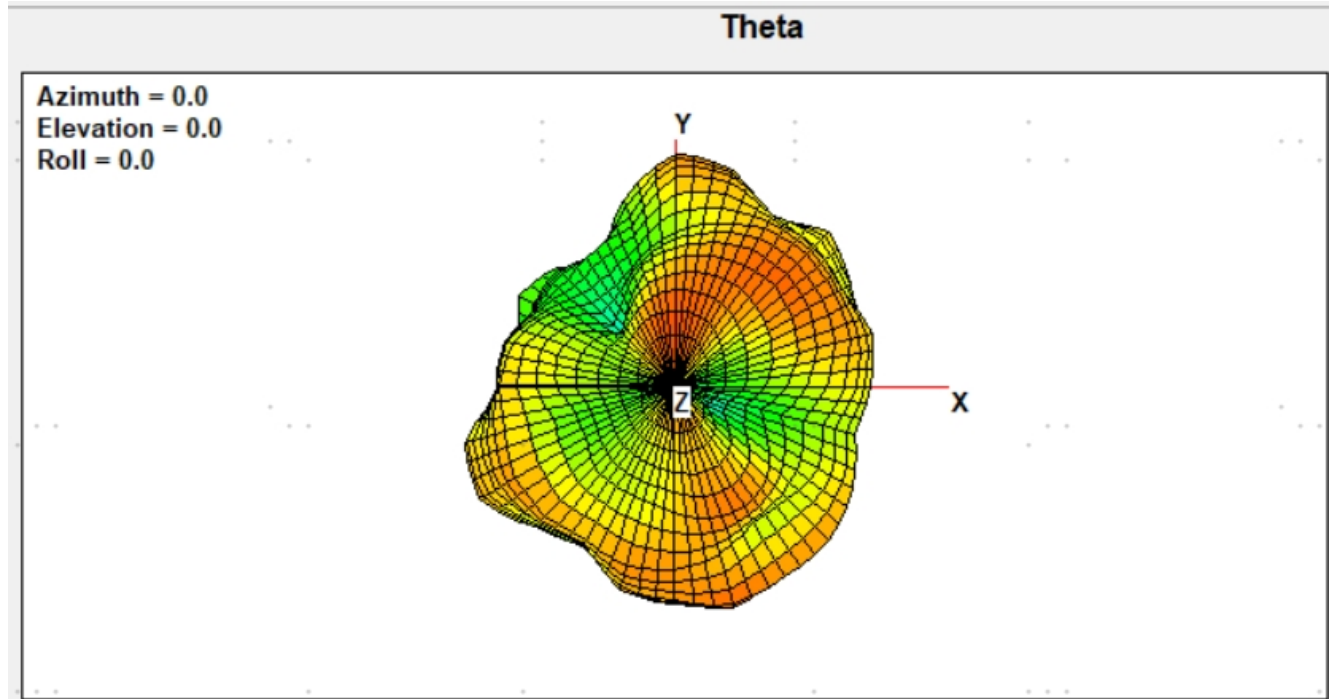
Return loss



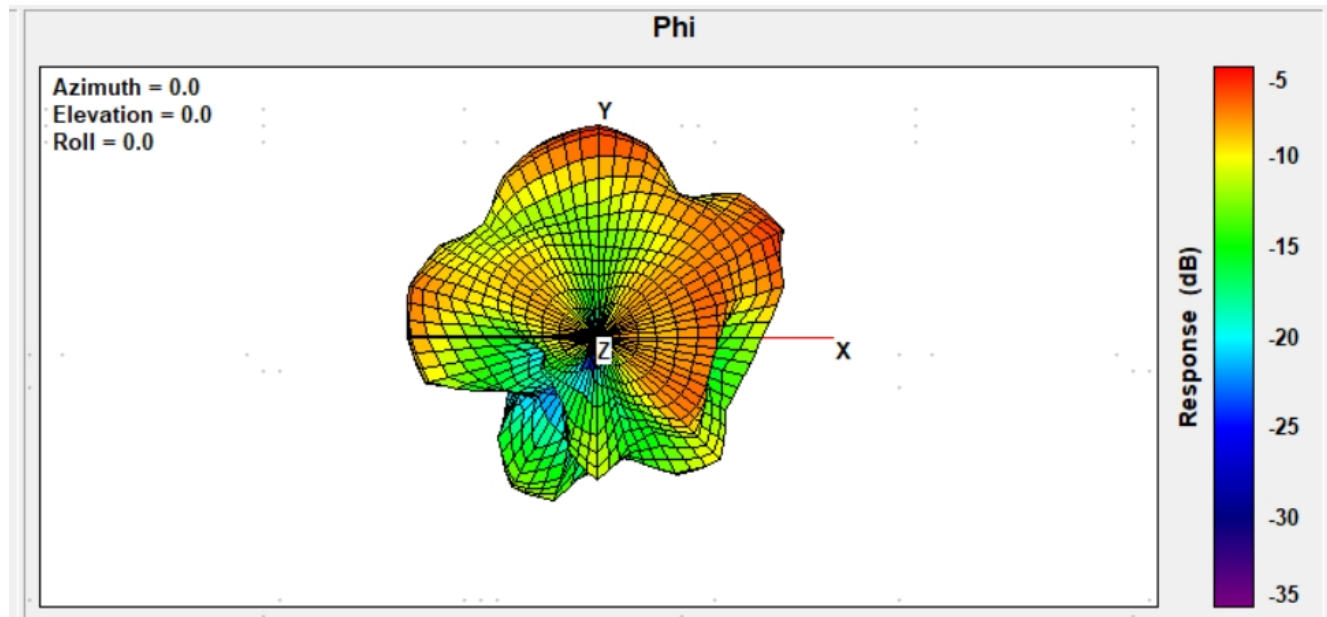
VSWR

3. Direction and gain diagram

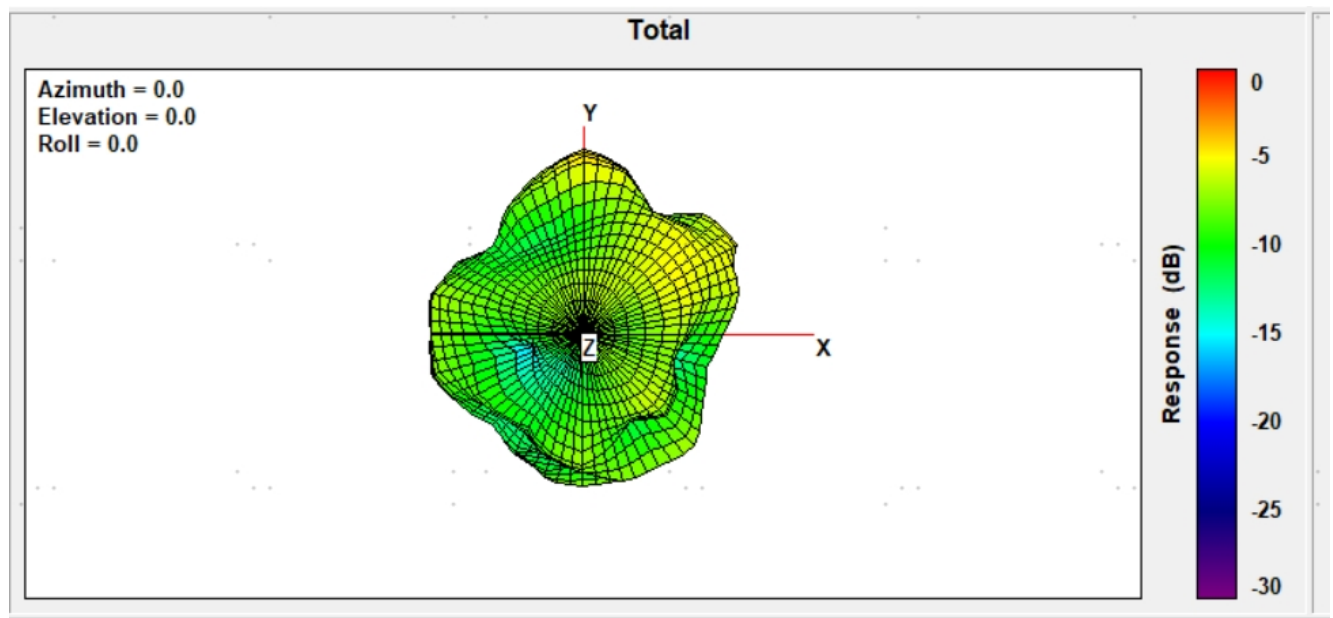
Etheta



Ephi



Total



4. Antenna gain meter

Point Values	Ant. Port Input Pwr. (dBm)	Tot. Rad. Pwr. (dBm)	Peak EIRP (dBm)	Directivity (dBi)	Efficiency (dB)	Efficiency (%)	Gain (dBi)
Frequency (MHz)							
2400	0	-10.0877	-4.15359	5.93415	-10.0877	9.8	-4.15359
2410	0	-10.0551	-3.90654	6.14861	-10.0551	9.87383	-3.90654
2420	0	-9.86273	-3.76988	6.09285	-9.86273	10.3211	-3.76988
2430	0	-9.78389	-3.79681	5.98709	-9.78389	10.5102	-3.79681
2440	0	-9.99863	-4.24037	5.75826	-9.99863	10.0032	-4.24037
2450	0	-10.1459	-4.36339	5.78247	-10.1459	9.66972	-4.36339
2460	0	-10.226	-4.40084	5.82514	-10.226	9.49296	-4.40084
2470	0	-10.1983	-4.18112	6.0172	-10.1983	9.55361	-4.18112
2480	0	-9.58981	-3.13003	6.45978	-9.58981	10.9905	-3.13003
2490	0	-9.84833	-3.54691	6.30141	-9.84833	10.3554	-3.54691
2500	0	-10.0275	-3.9386	6.08888	-10.0275	9.93693	-3.9386