



WLT 8016 Antenna Specification

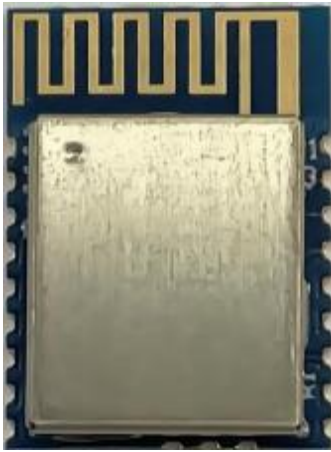
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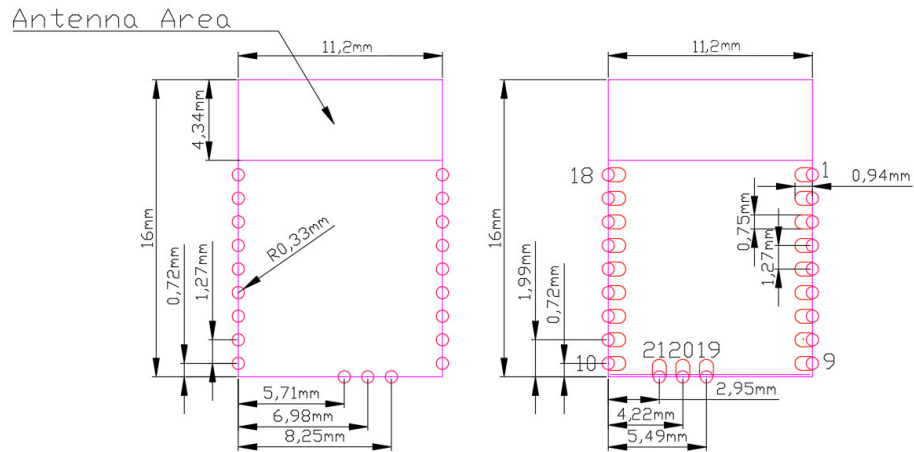
latest version V1.0

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

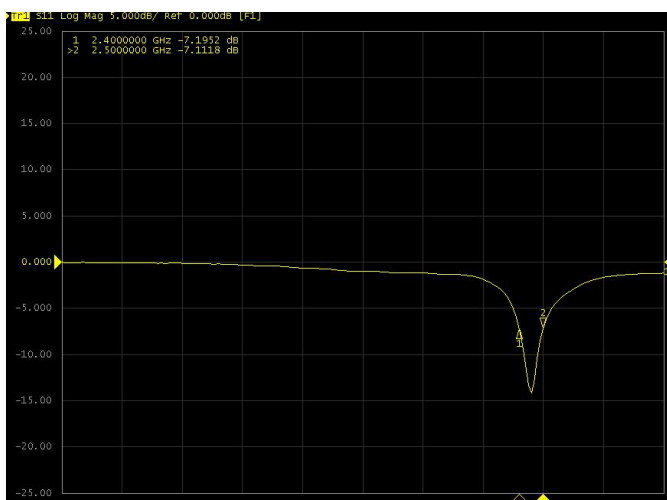


Picture 1-1: WLT8016

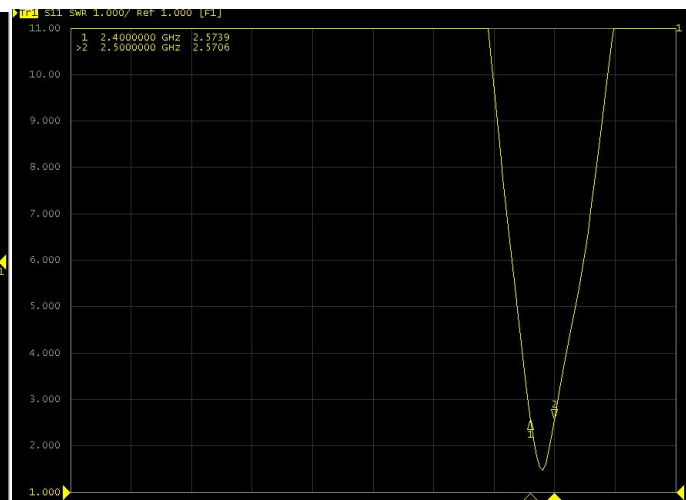


Picture 1-2: WLT8016 Size

2.Return loss、 VSWR



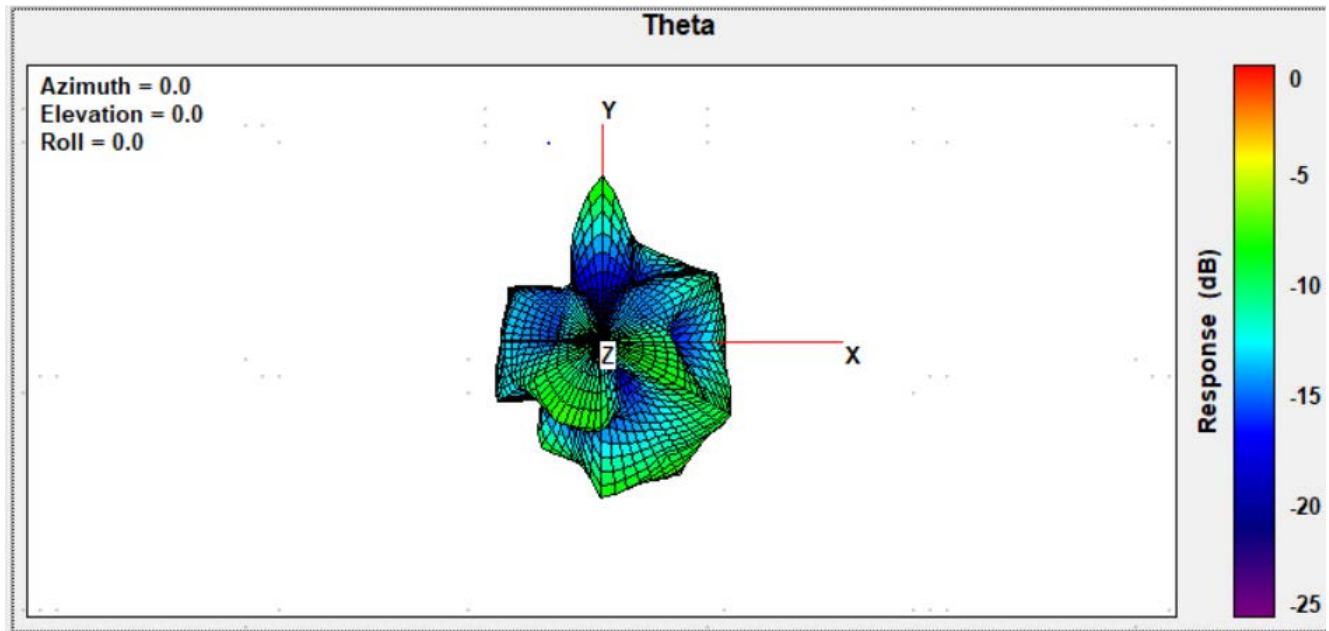
Return loss



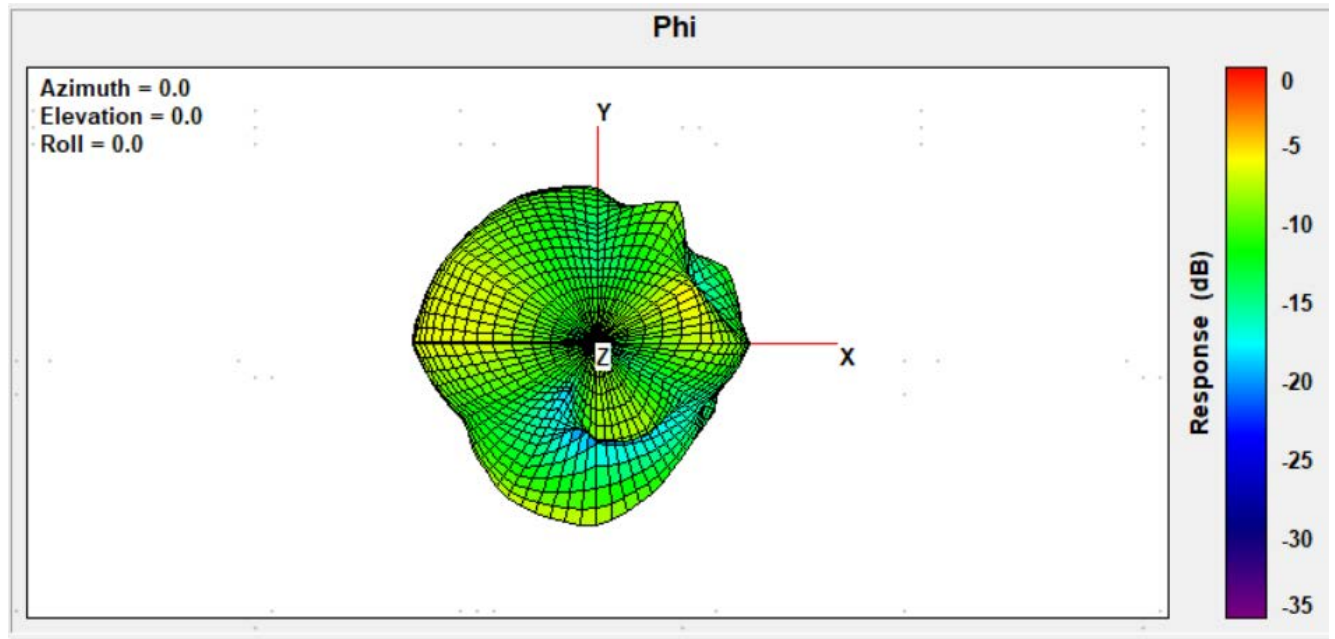
VSWR

3. Direction and gain diagram

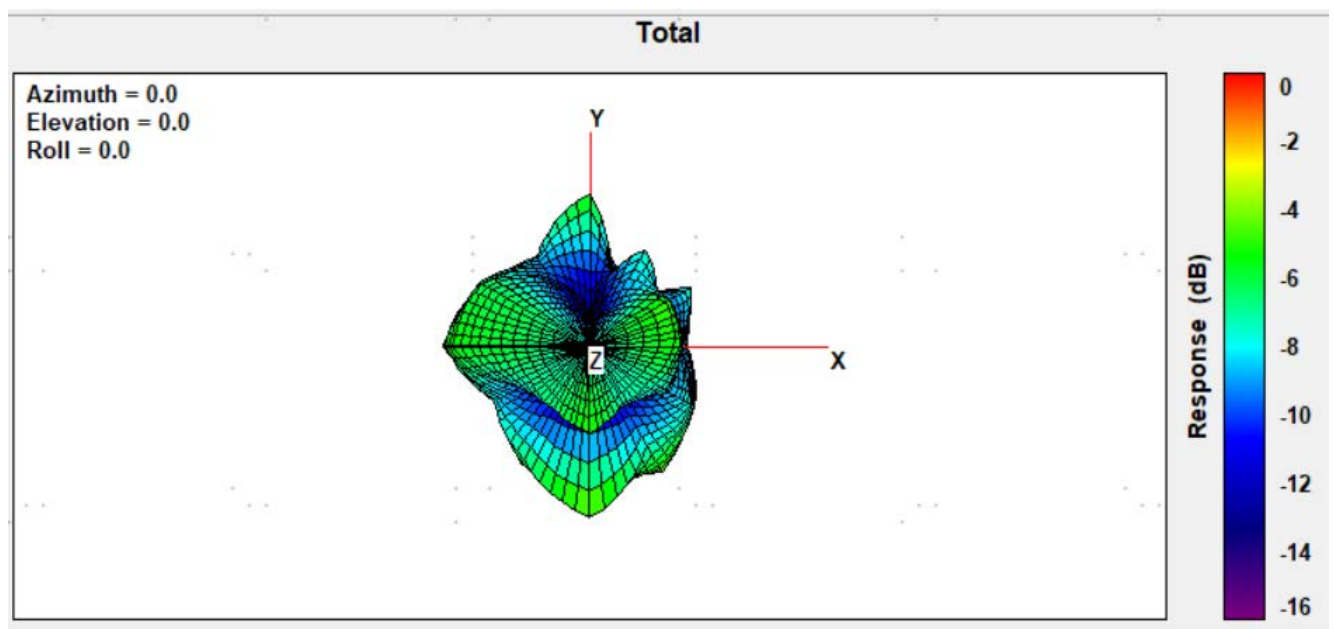
Etheta



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	-7.03319	-0.831774	6.20142	-7.03319	19.8007	-0.831774
2410	0	-6.94711	-0.793791	6.15332	-6.94711	20.1971	-0.793791
2420	0	-6.73369	-0.737534	5.99615	-6.73369	21.2144	-0.737534
2430	0	-6.49948	-0.711544	5.78793	-6.49948	22.3899	-0.711544
2440	0	-6.51981	-1.00354	5.51627	-6.51981	22.2853	-1.00354
2450	0	-6.56292	-1.28653	5.27638	-6.56292	22.0652	-1.28653
2460	0	-6.66738	-1.65551	5.01187	-6.66738	21.5408	-1.65551
2470	0	-6.44461	-1.68412	4.76049	-6.44461	22.6746	-1.68412
2480	0	-6.12481	-1.70986	4.41495	-6.12481	24.4073	-1.70986
2490	0	-5.97663	-1.57059	4.40604	-5.97663	25.2544	-1.57059
2500	0	-5.77492	-1.39595	4.37897	-5.77492	26.455	-1.39595