

Part number

YLL 5012 H1 R 2G45
(1) (2) (3) (4) (5)

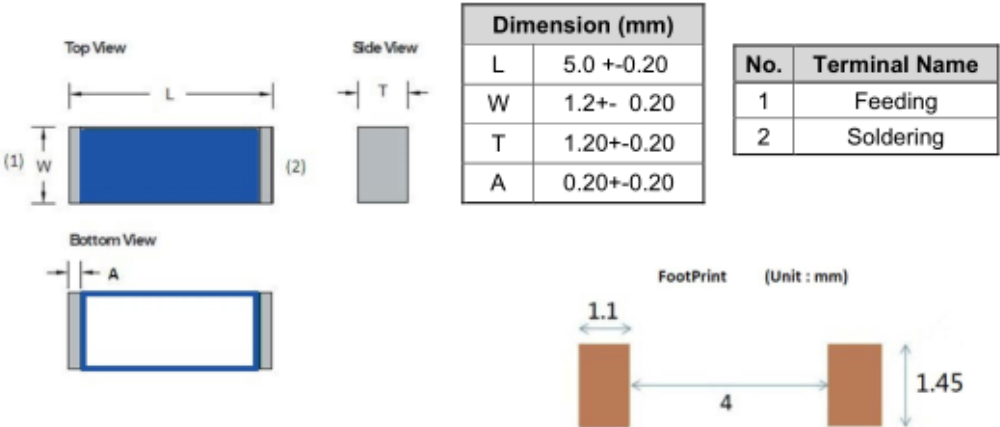
(1)Product Type	Chip Antenna
(2) Size Code	5.0x11.2mm
(3) Type Code	H1
(4) Packing	Tape and reel
(5) Frequency	2.45GHz

Electrical Specification

Working Frequency Range	2400 ~2484 MHz
Peak Gain	3. 78 dBi (Typ.)
Impedance	50 Ohm
Return loss	10 dB (Min)
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Operation Temperature(℃)	-40 ~85℃

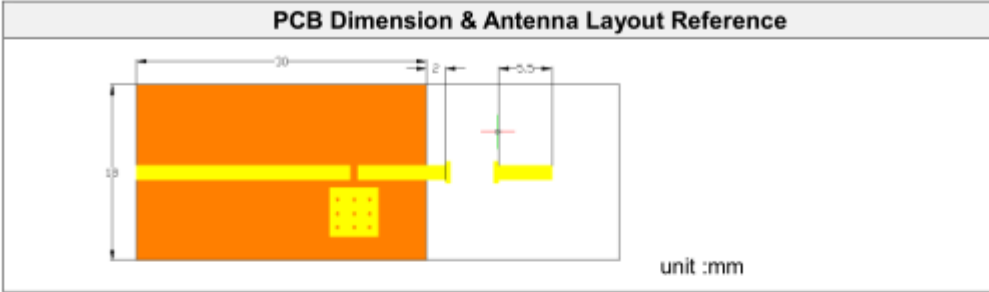
The specification is defined on EVB.

Dimension and Terminal Configuration

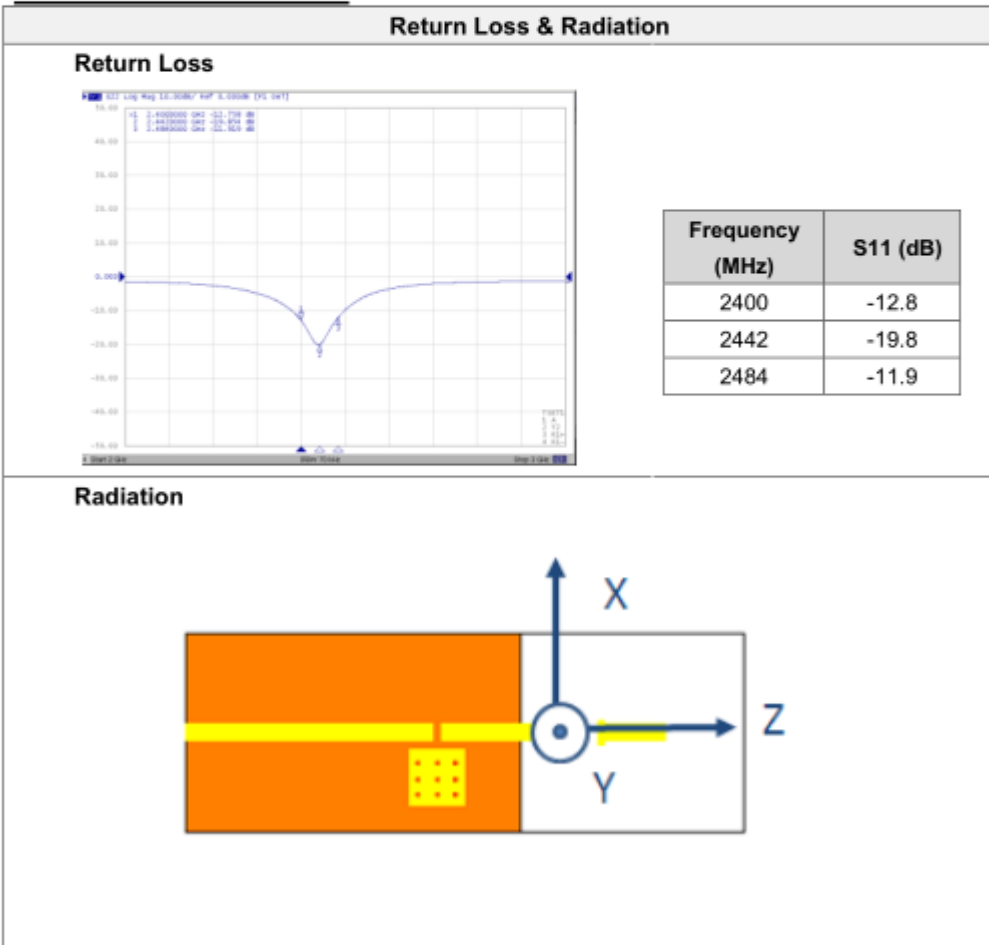


2.4GHz 2.45HHz Chip Antenna:YL5012H1R2G45

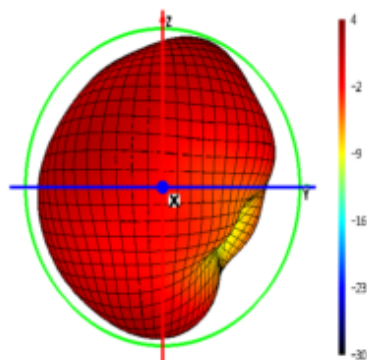
Evaluation Board Reference



Electrical Characteristics

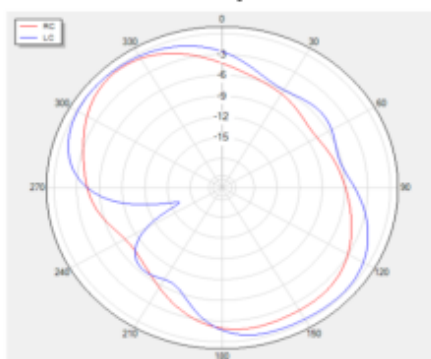


3D&2D Radiation Drawing

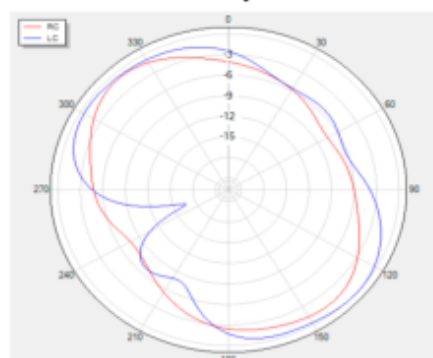


Gain&Efficiency 增益、效率			
frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(dB)	efficiency 效率(%)
2400	3.49	-1.51	69
2410	3.03	-1.73	64.5
2420	3.7	-1.39	71.43
2430	3.64	-1.53	68.52
2440	3	-1.63	66.56
2450	3.51	-1.45	70.09
2460	3.56	-1.54	68.21
2470	3.33	-1.46	69.93
2480	3.78	-1.26	64.09
2490	3.21	-1.69	65.36
2500	3.52	-1.74	62.44

Theta=90 freq=2400MHz



Theta=90 freq=2450MHz



Theta=90 freq=2480MHz

