

2.4/5.8G WIFI Antenna

MODEL: TH-2458C



1.. GENERAL DESCRIPTION

Model No	P/N
TH-2458C	TH2458C-SMA(M)

Below is a table summarizing the antenna design specification.

1.1 Electrical Properties

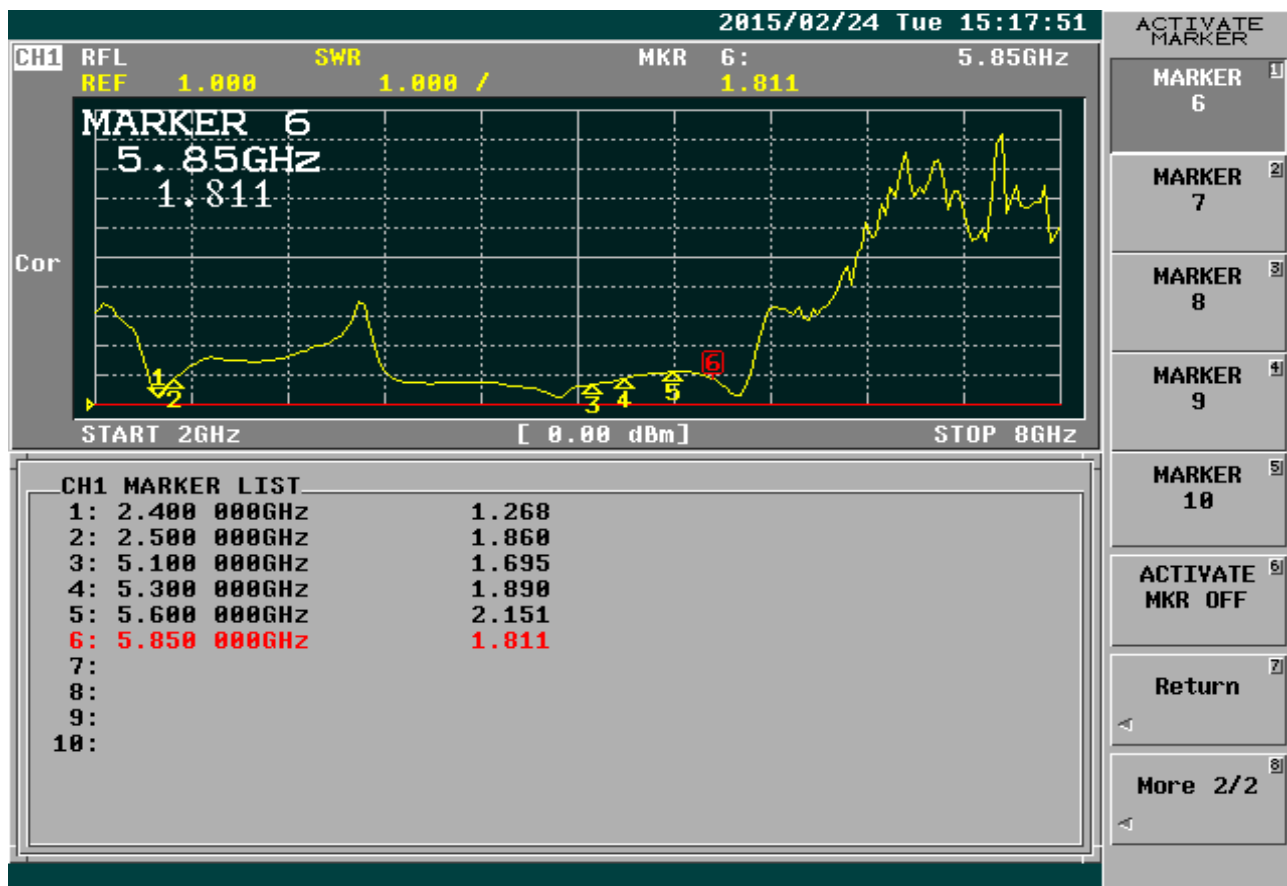
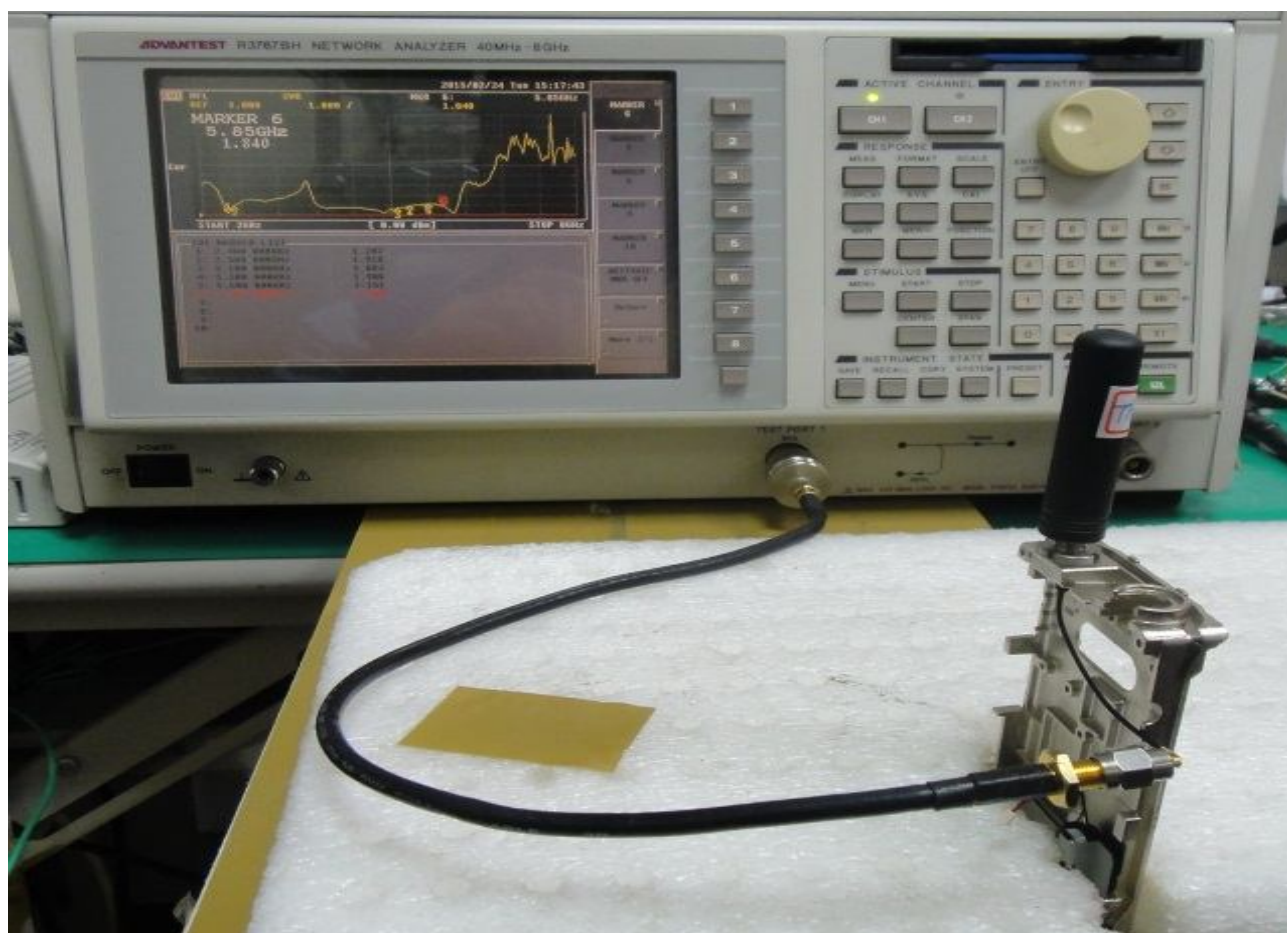
Parameter	Description
Frequency Band	2.4~2.5 & 5.1~5.85GHz
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	1 / 4 λ
Admitted Power radiation	1W
V.S.W.R	3.0:1 Max
Antenna Average Gain	0~3 dB
Note: Gain includes the cable loss	

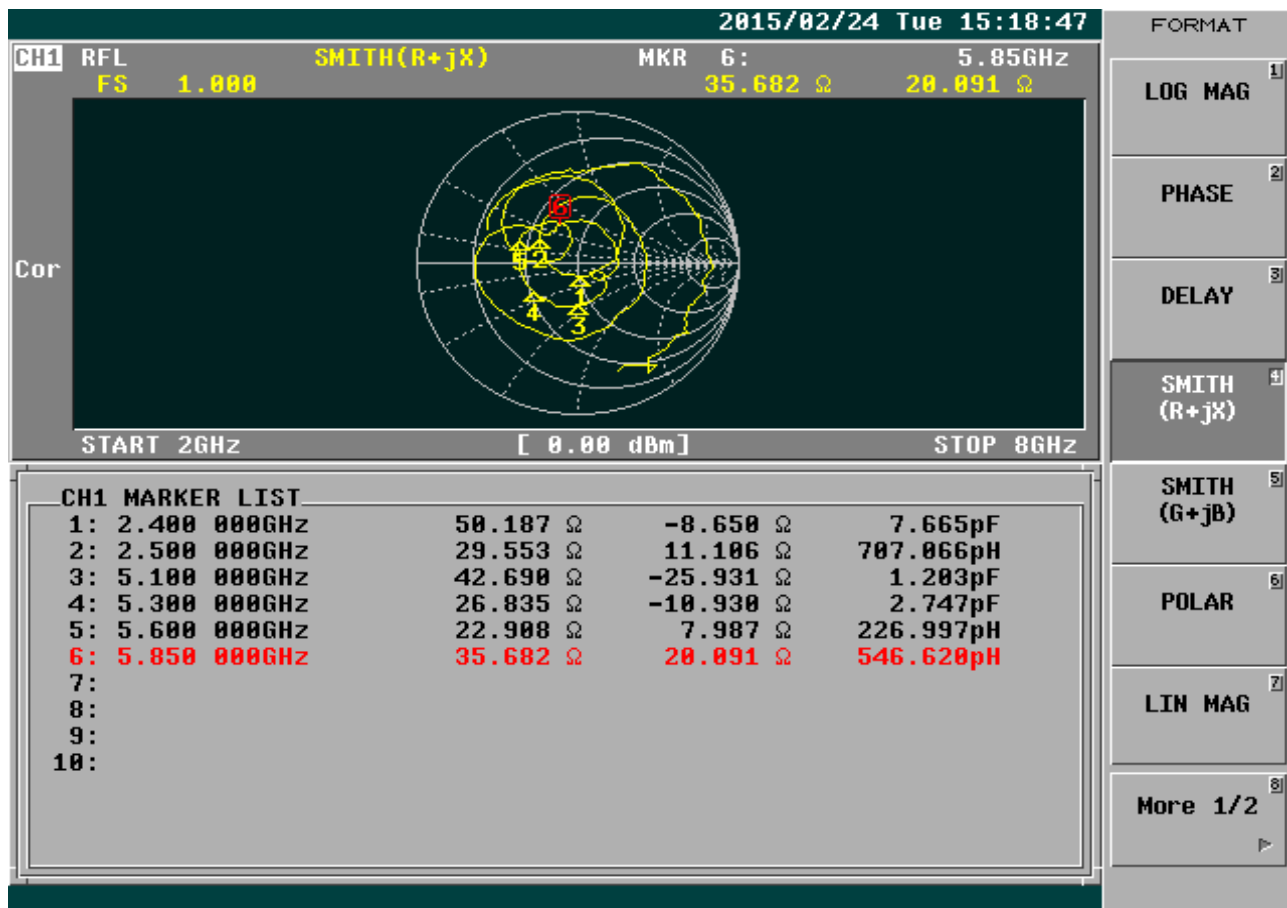
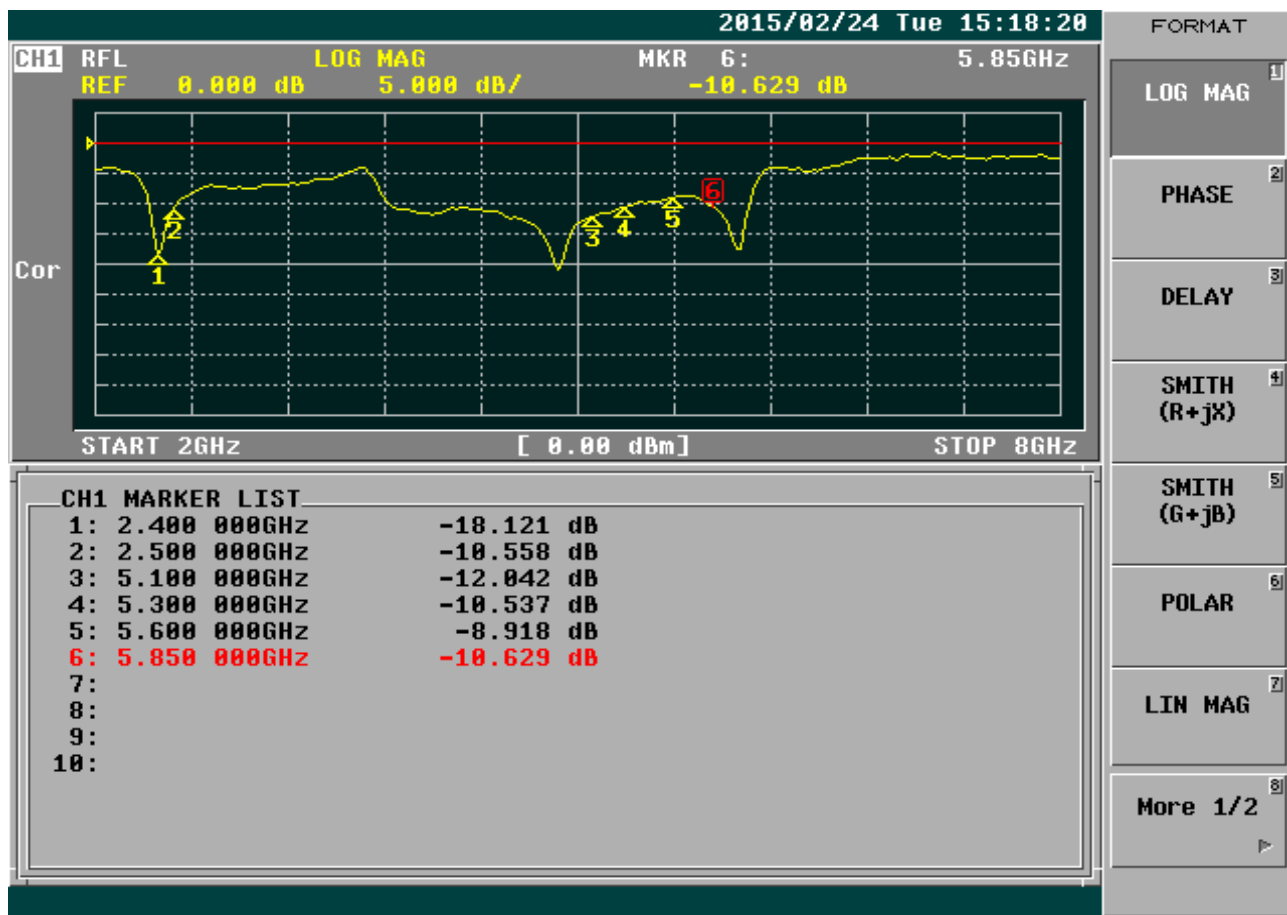
1.2 Mechanical Properties

Parameter	Description
Antenna Type	External Antenna
Material	TPU

Touch Type	Screw Type
Connector Type	SMA (Male)
Antenna Dimensions	OD12.4 x 50.4mm±0.5
Antenna Color	Black
Operating Temperature Range	-30°C~+70°C
Storage Temperature Range	-35°C~+80°C







Frequency (MHz)	2400	2450	2500	5150	5250	5350	5470	5600	5725	5785	5850
Average Gain(dBi)	-5.15	-3.01	-2.16	-1.86	-1.65	-1.35	-1.31	-1.49	-1.94	-2.03	-2.05
Peak Gain (dBi)	0.11	2.68	3.65	1.18	1.72	2.29	2.59	3.5	3.3	2.52	2.38
Efficiency (%)	30.51	49.94	60.79	65.07	68.29	73.25	73.83	70.94	63.88	62.62	62.31

