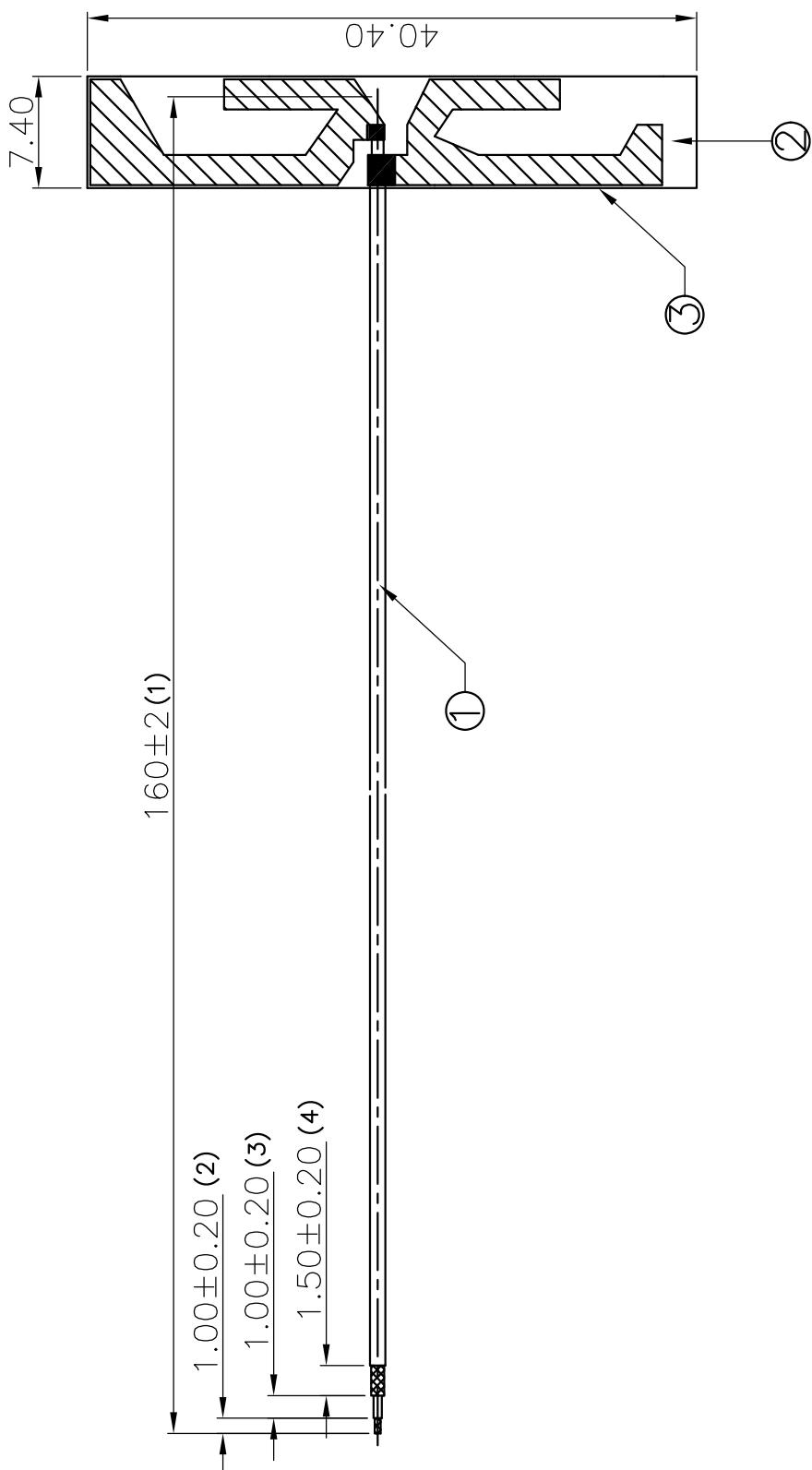


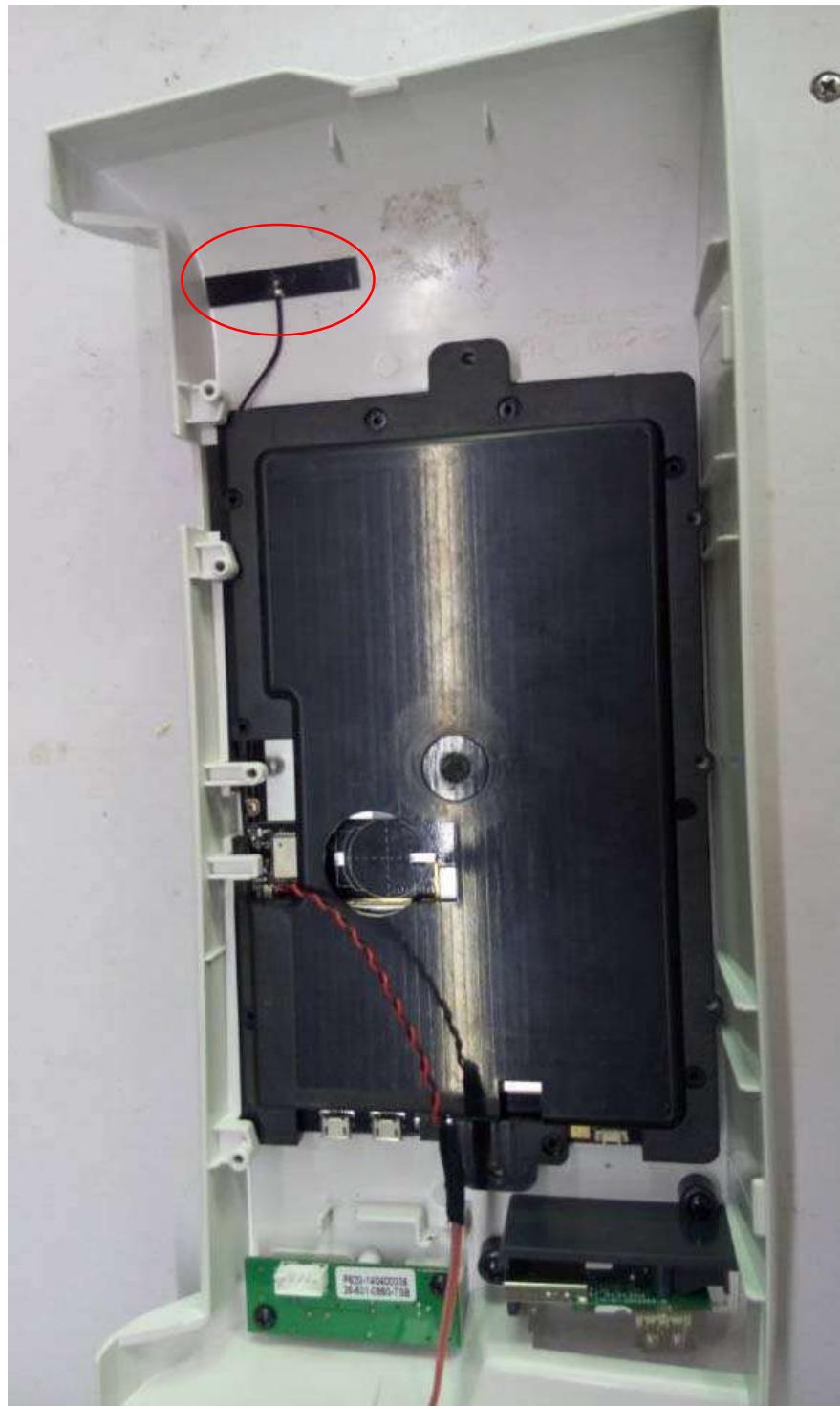
Dongguan HJ-Technology CO.,ltd



HJ-tech
RF射频 Antenna

Dongguan HJ-Technology CO.,ltd

Antenna placement



TECHNICAL DATA

RF Antenna Assembly Specification

Electrical Properties

1.1	Frequency Range	2.4~2.5/5.15-5.825GHZ
1.2	Impedance	50 Ohm
1.3	VSWR	2.0 (Max)
1.4	Insertion Loss	2.0 db(Max)
1.5	Gain	Min.1.57 ~ Max.2.66 Gain

Material Properties

2.1	Cable	Ø1.13 COAXIAL CABLE
2.2	Antenna	PCB FR-4 T=0.6

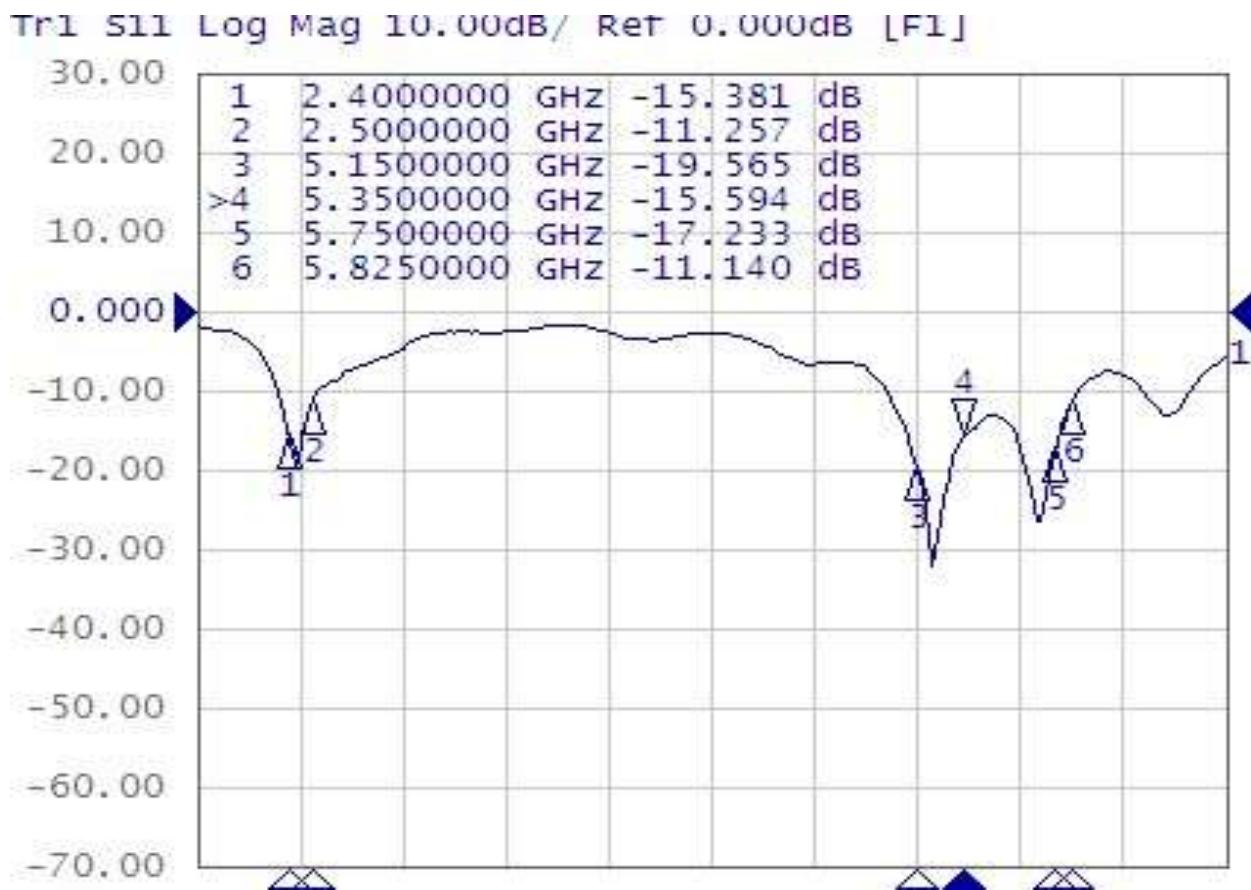
Mechanical Environmental

3.1	Operating Temperature	-20°C ~+65°C
3.2	Storage Temperature	-40°C ~+80°C
3.3	Relative Humidity	MIL-STD-202 , method 106
3.4	Vibration	MIL-STD-202 , method 213
3.5	Corrosion	MIL-STD-202 , method 101

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Antenna Electricity Characteristics:

1. Return Loss:



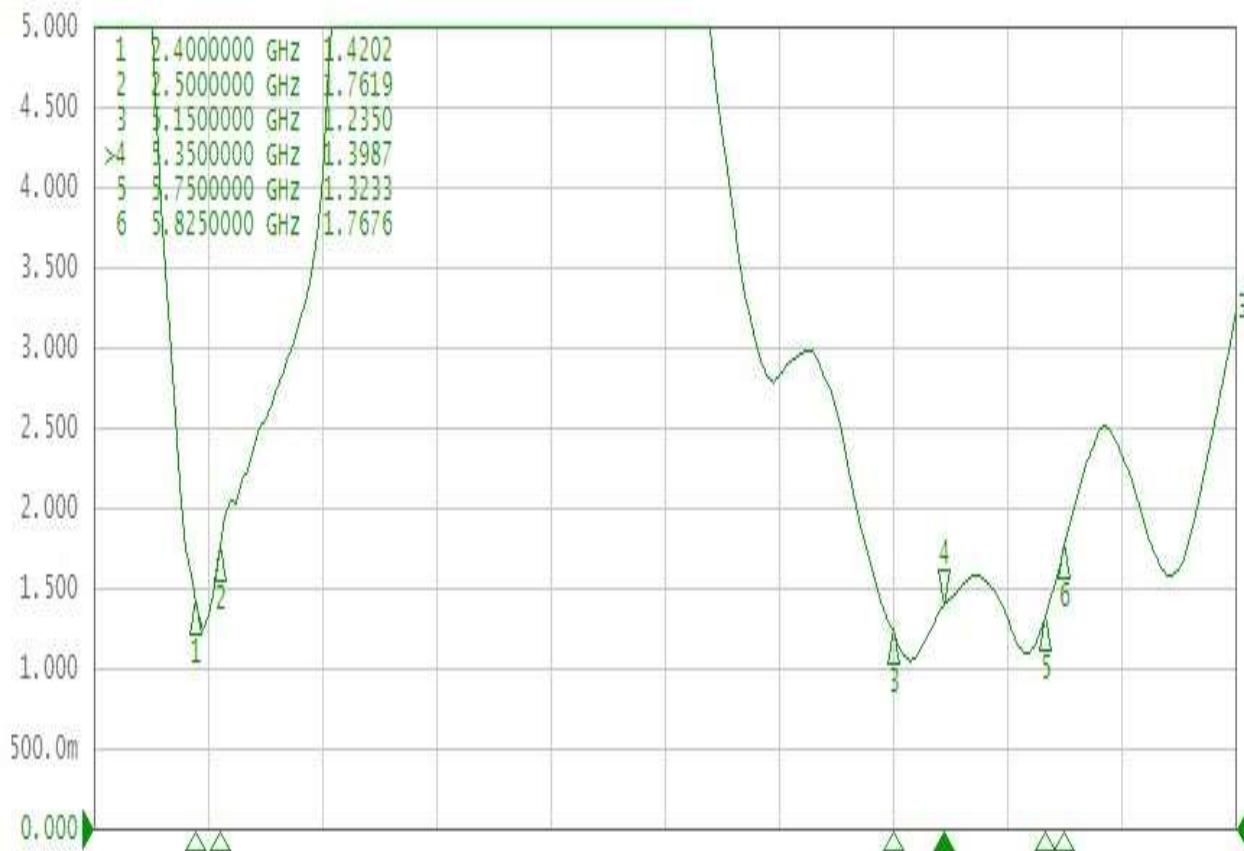
Antenna Frequency (2.40-2.50/5.15-5.825MHz)			
Frequency	2.4GHz	2.5GHz	5.15GHz
Return Loss	-15.38	-11.25	-19.56
Frequency	5.35GHz	5.75GHz	5.825GHz
Return Loss	-15.59	-17.23	-11.14

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Antenna Electricity Characteristics:

2. VSWR:

Tr3 S11 SWR 500.0m/ Ref 0.000 [F1]



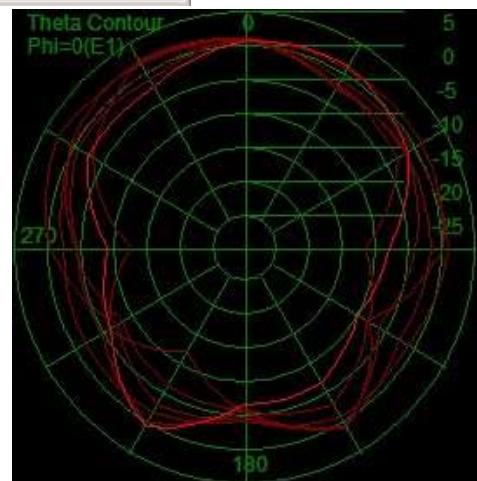
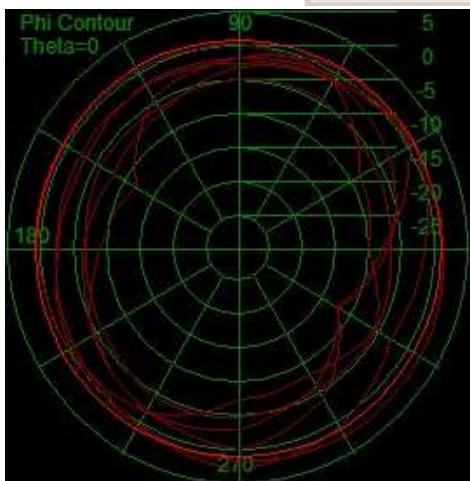
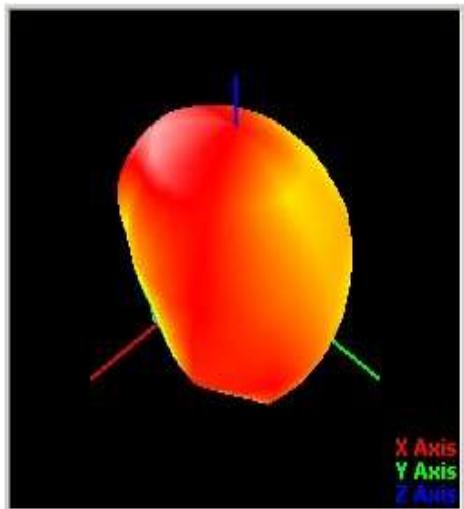
Antenna Frequency (2.40–2.50/5.15–5.825MHz)

Frequency	2.4GHz	2.5GHz	5.15GHz
VSWR	1.42	-1.76	-1.23
Frequency	5.35GHz	5.75GHz	5.825GHz
VSWR	-1.39	-1.32	-1.76

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Antenna Electricity Characteristics:

3. antenna 3d Field



Test Point ID	Freq. (MHz)	Gain (dBi)	Efficiency (%)
1	2400.0	2.59	63.9%
2	2450.0	2.66	66.3%
3	2500.0	2.49	61.3%
4	5150.0	2.62	59.0%
5	5200.0	1.87	59.5%
6	5300.0	1.83	58.9%
7	5450.0	1.68	56.9%
8	5500.0	1.96	55.7%
9	5600.0	1.57	53.4%
10	5725.0	2.30	65.6%
11	5825.0	1.87	58.3%