

Product : Internal Antenna

Model Name : WTATTRW2

Date : 2023.06.14

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1. Manufacturer

- Kunshan Innowave Communication Technology Co.,Ltd
- Huizhou speed wireless technology co.,ltd.

2. Model Name

- Basic Model: WTATTRW2

3. Antenna Type

IFA

4. Electric Performance Data

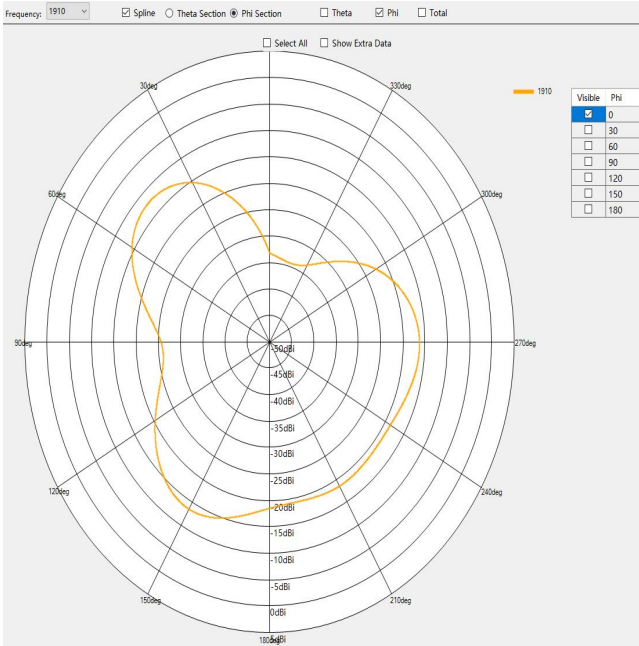
4.1 Specification Sheet

Electronic Specification

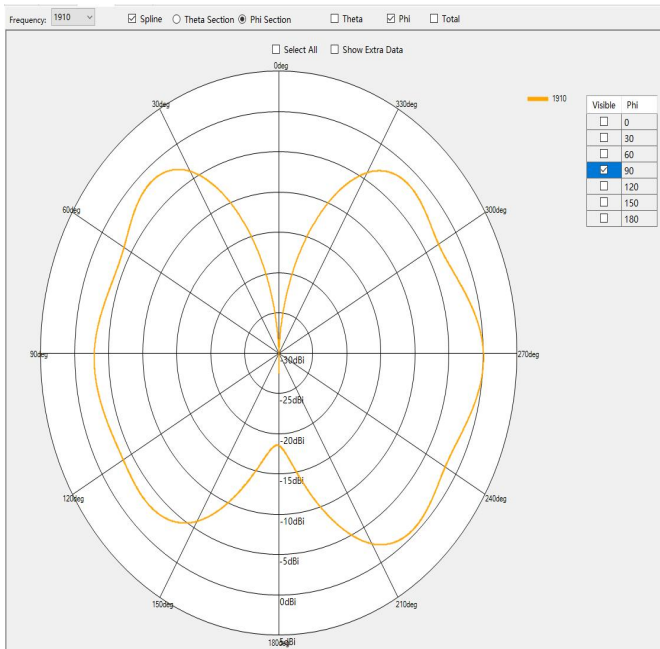
Band	Avg gain(dBi)	Max gain (dBi)	Type
WCDMA B1	0.5	1.5	FPC
WCDMA B2	1.2	1.5	FPC
WCDMA B4	1	2.1	FPC
WCDMA B5	-0.6	0.4	FPC
WCDMA B8	0.3	1.2	FPC
LTE B2	1.2	1.5	FPC
LTE B3	1.6	2.1	FPC
LTE B4	1	2.1	FPC
LTE B5	-0.6	0.4	FPC
LTE B7	-0.6	1	FPC
LTE B12	-1.7	-1	FPC
LTE B14	-1.1	-0.7	FPC
LTE B20	-0.8	-0.1	FPC
LTE B30	0.2	0.7	FPC
WiFi 2.4G	0.75	1.63	FPC
WiFi 5G	-0.8	0.2	FPC
BT	0.75	1.63	FPC
GPS	0.72	0.99	FPC

4.2 Antenna Pattern Drawing

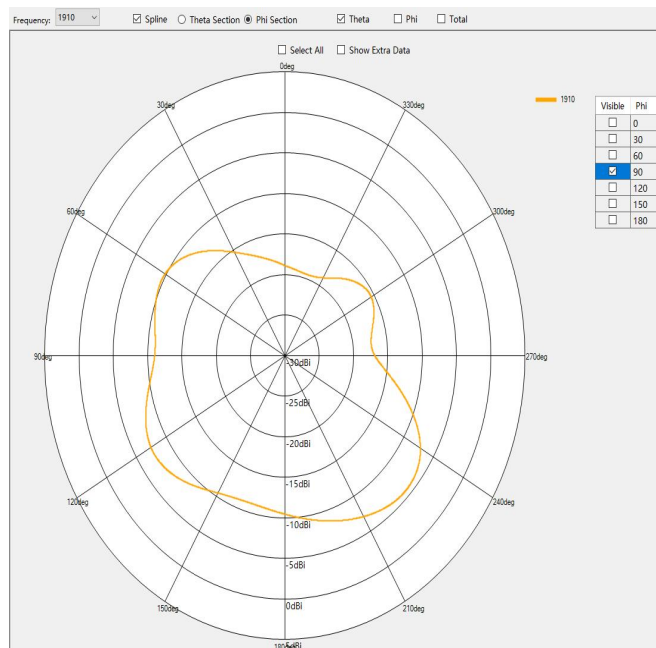
B2



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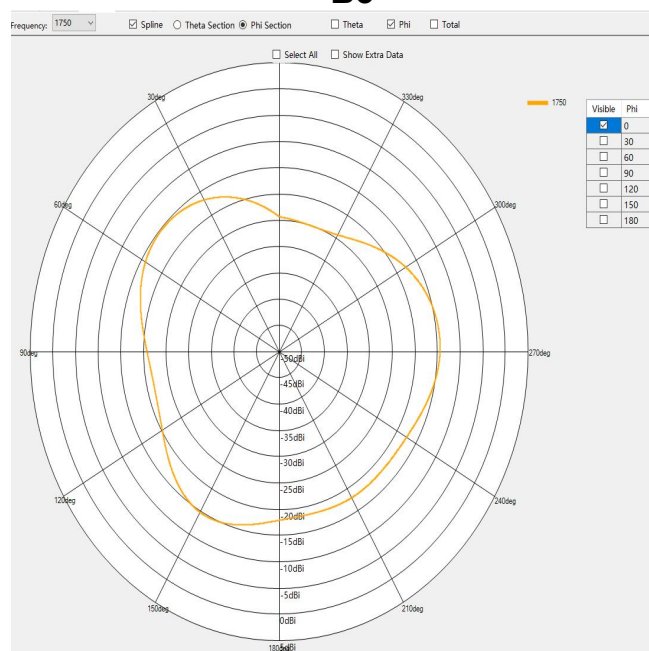


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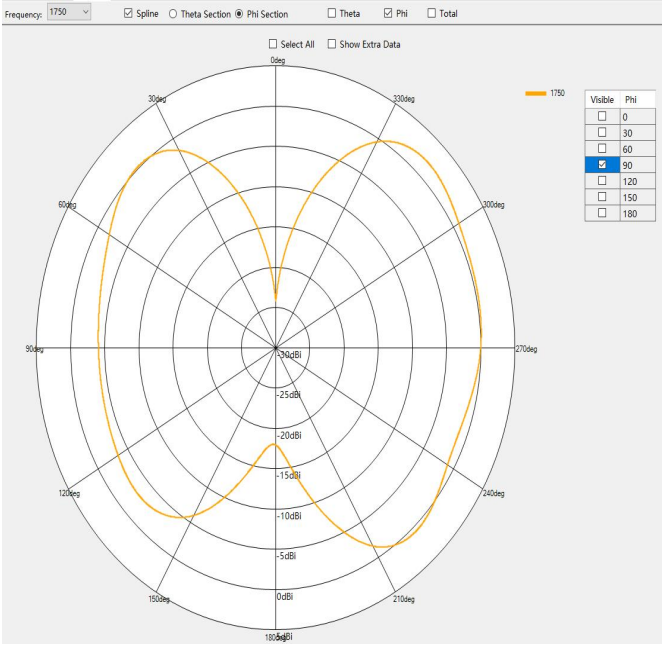


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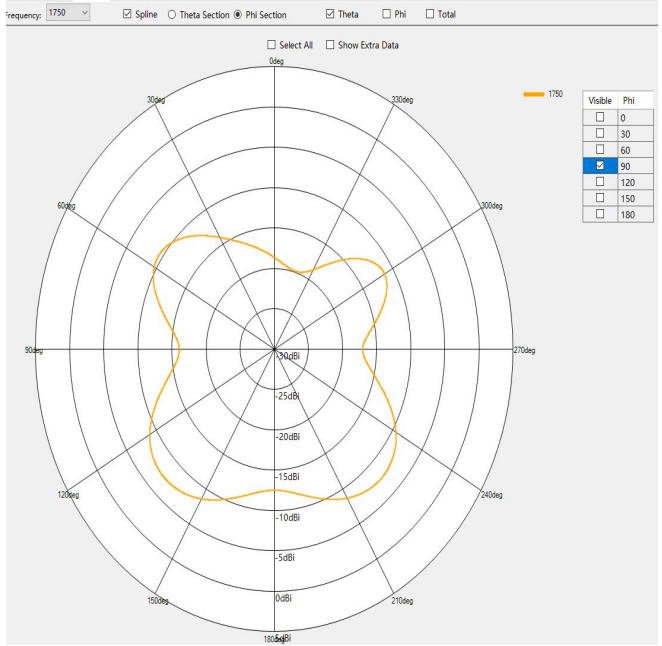
B3



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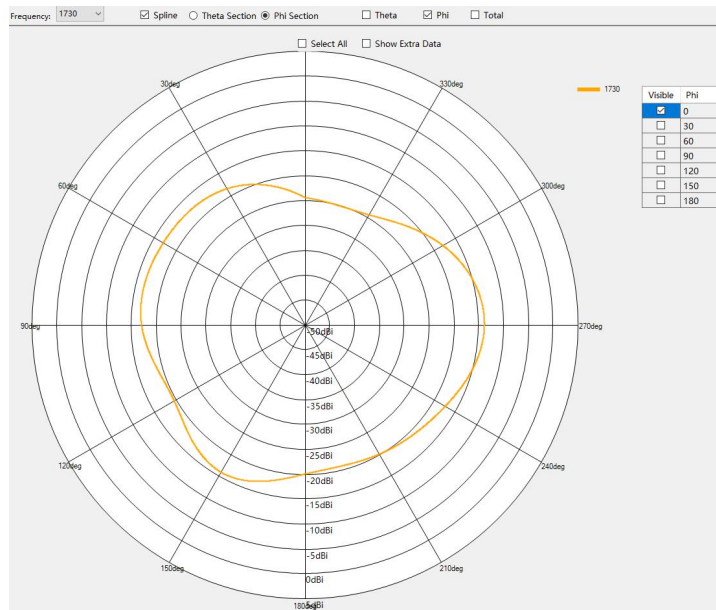


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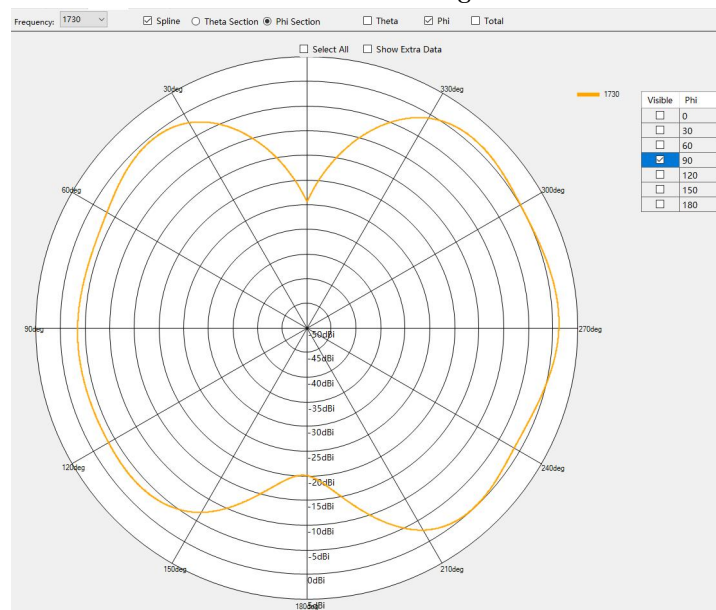


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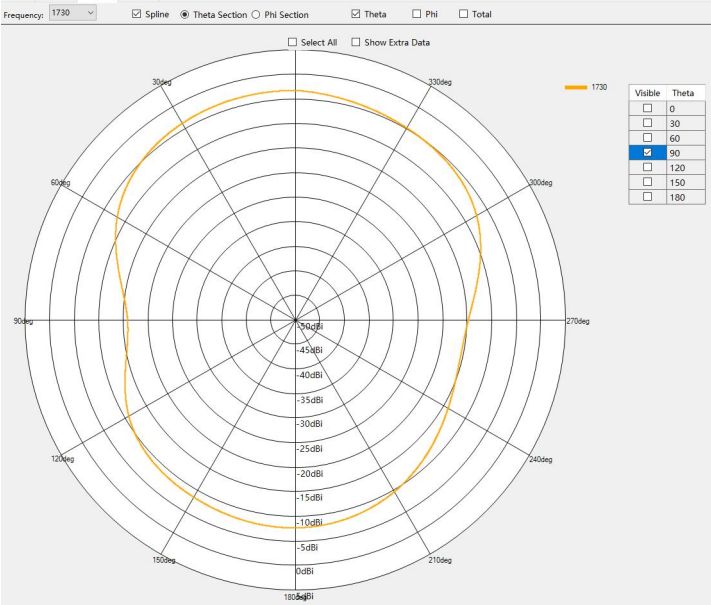
B4



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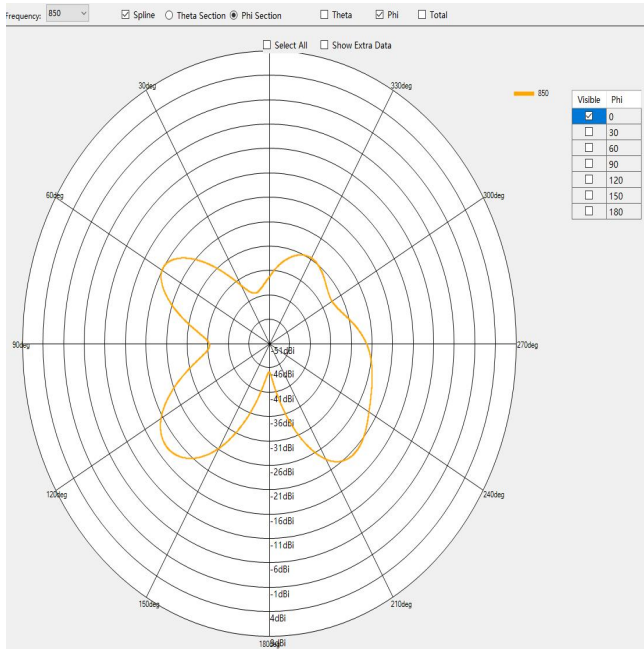


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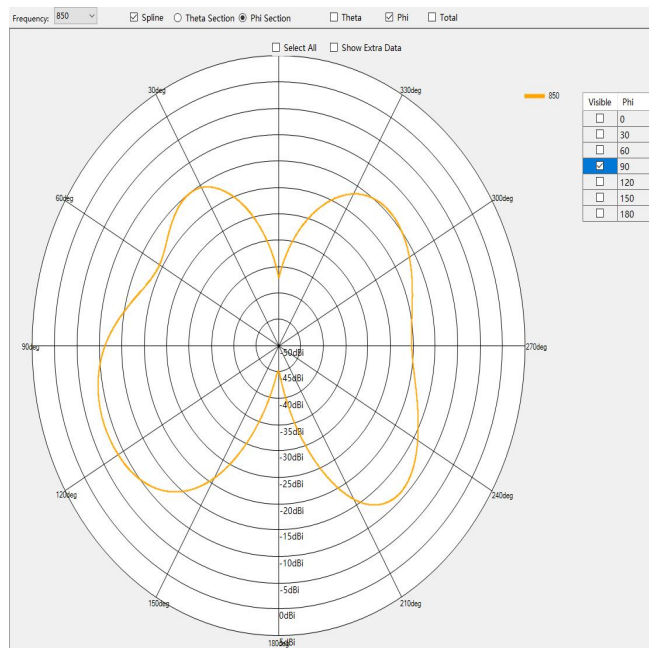


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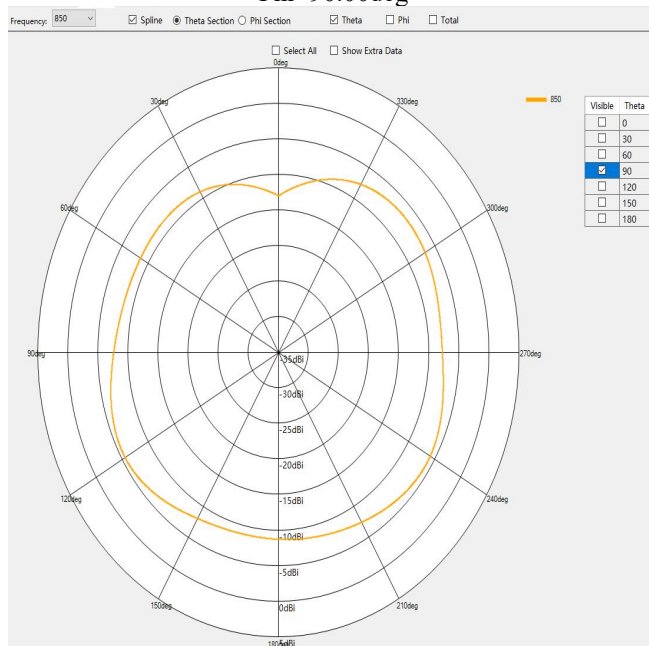
B5



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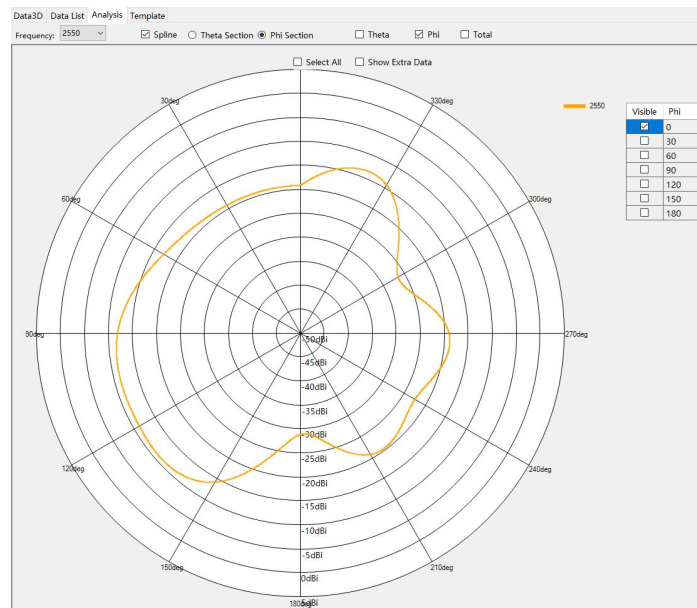


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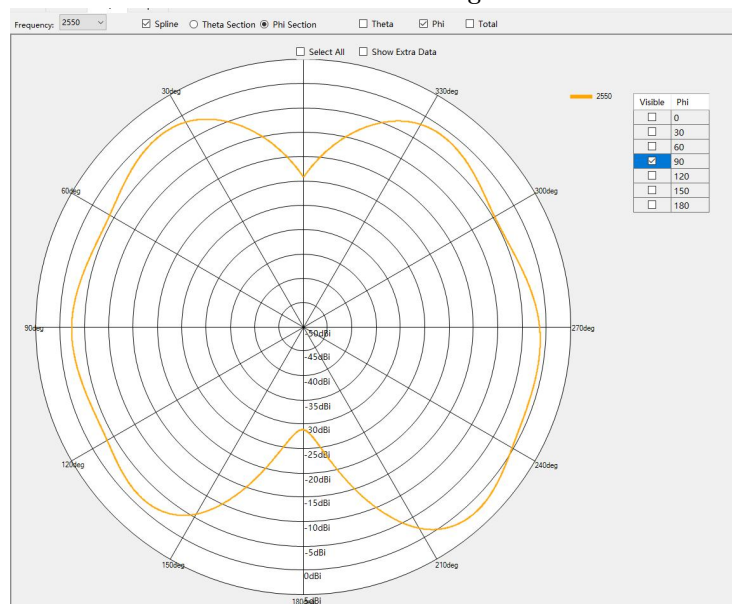


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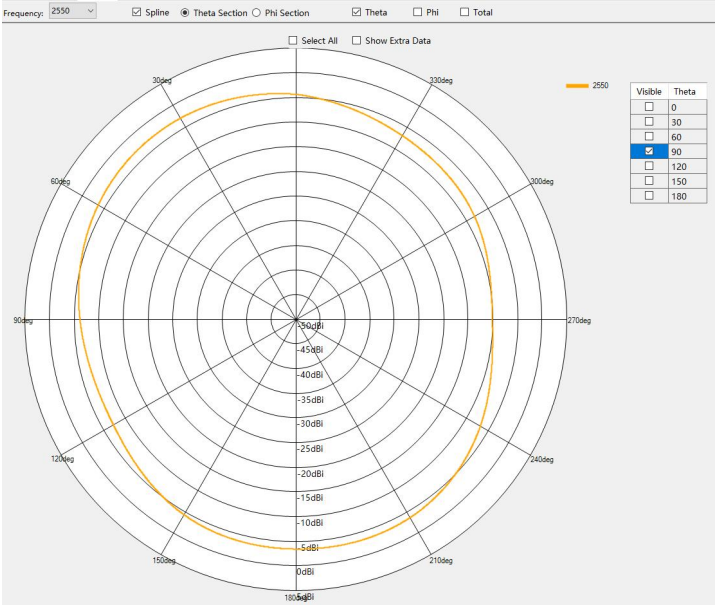
B7



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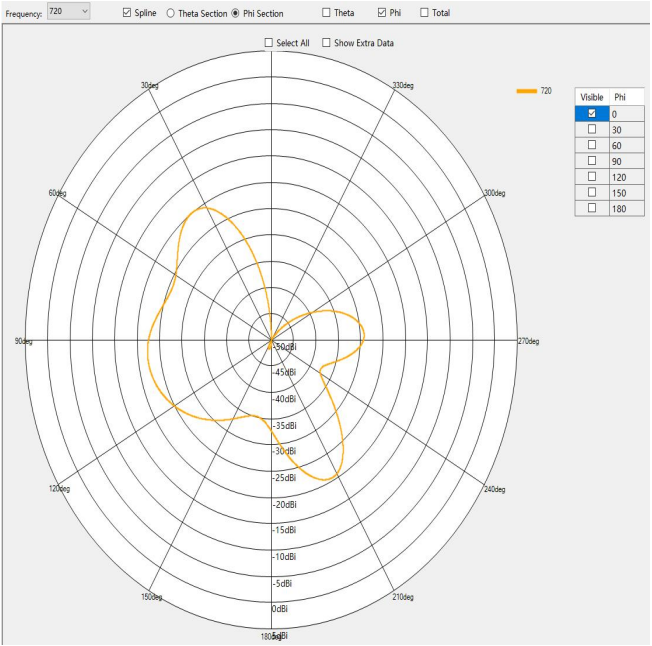


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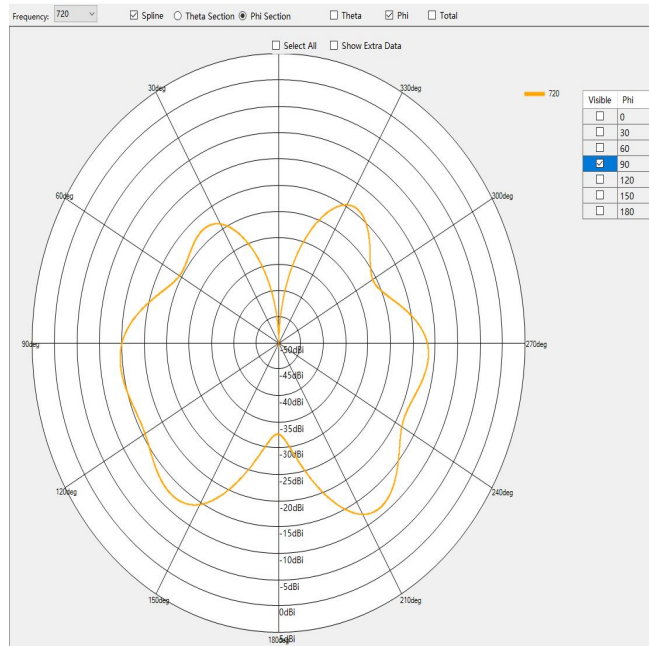


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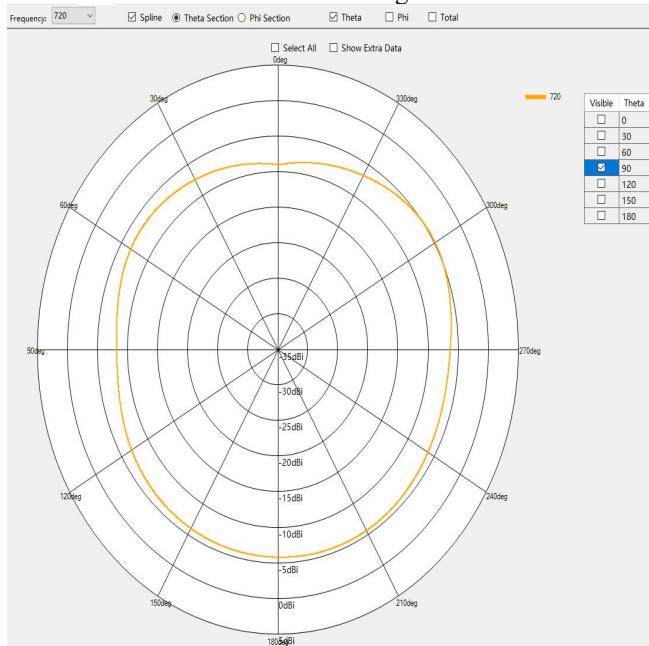
B12



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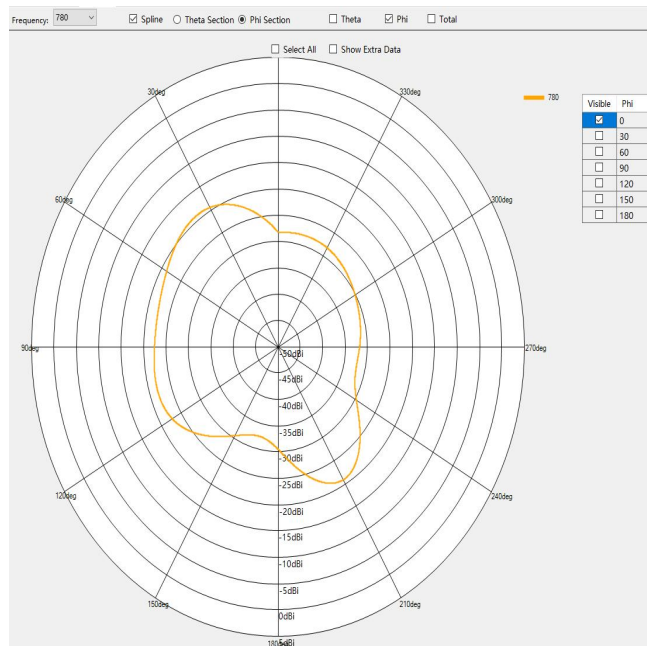


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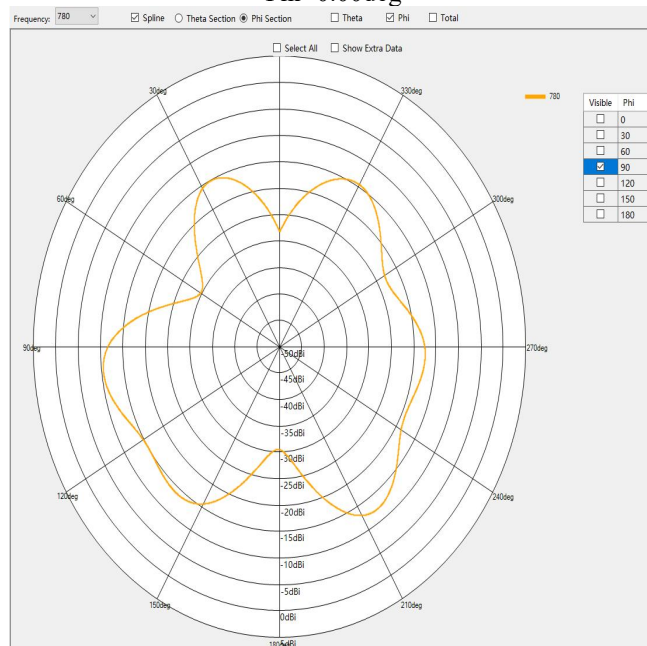


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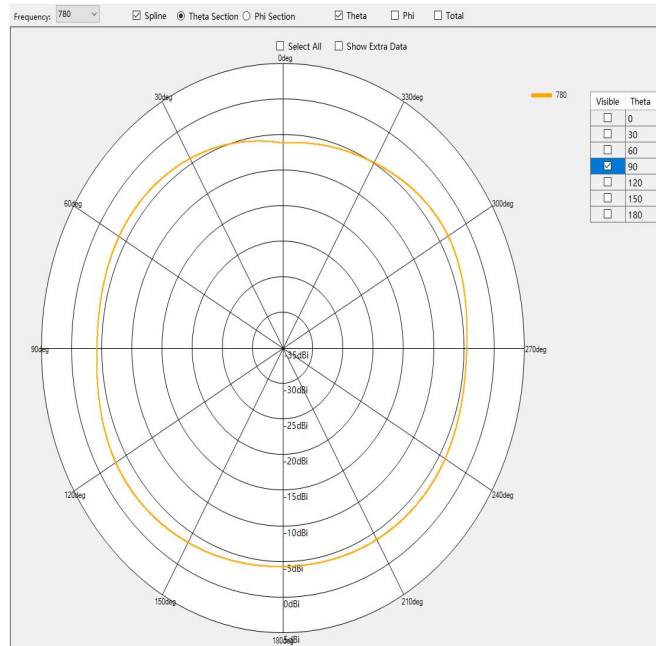
B14



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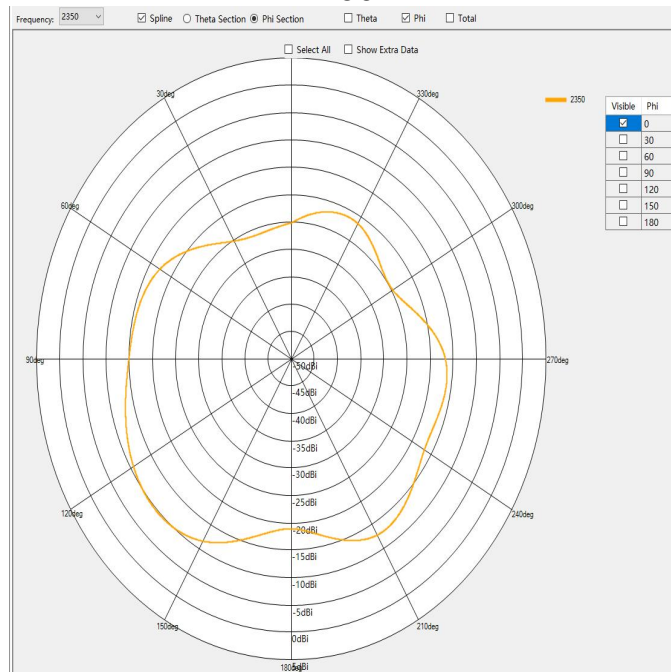


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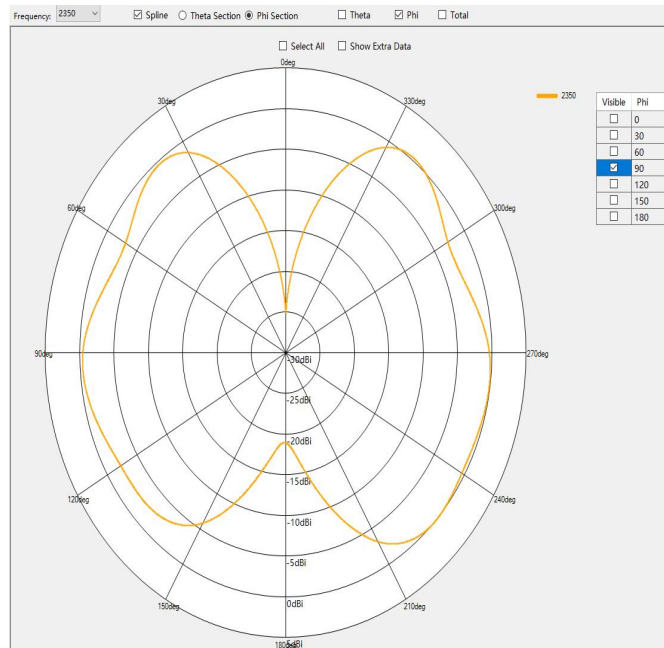


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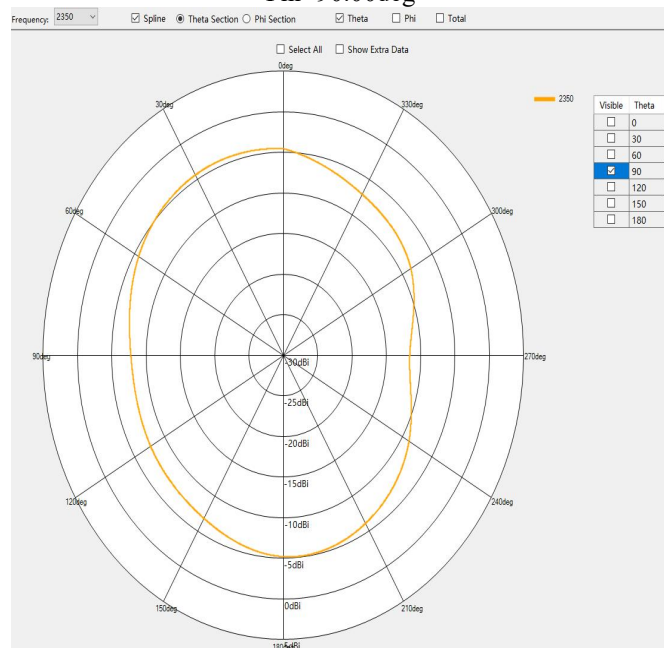
B30



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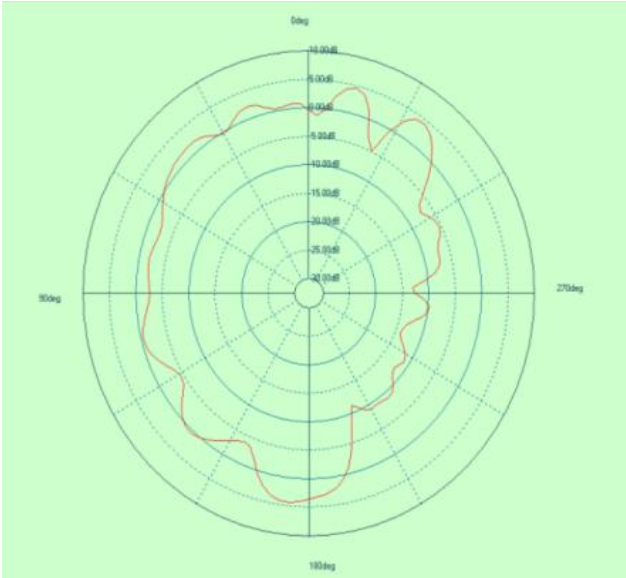


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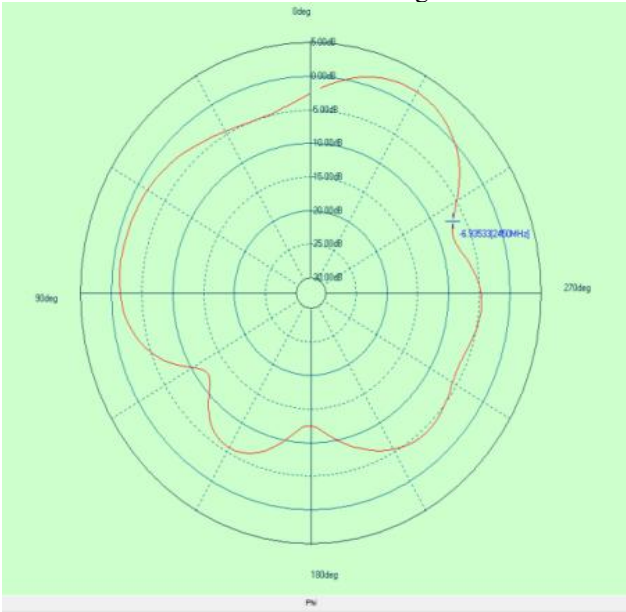


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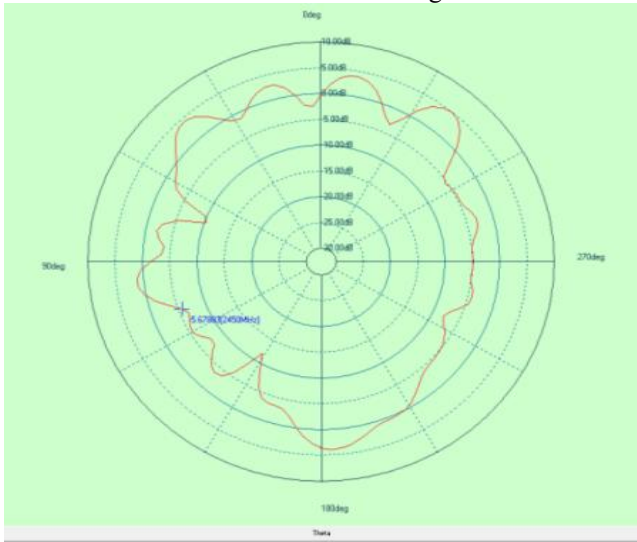
WIFI 2.4G/BT



Phi=0.00deg

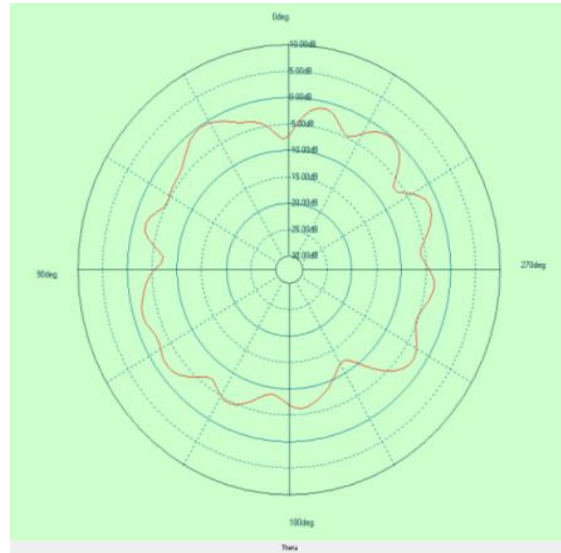


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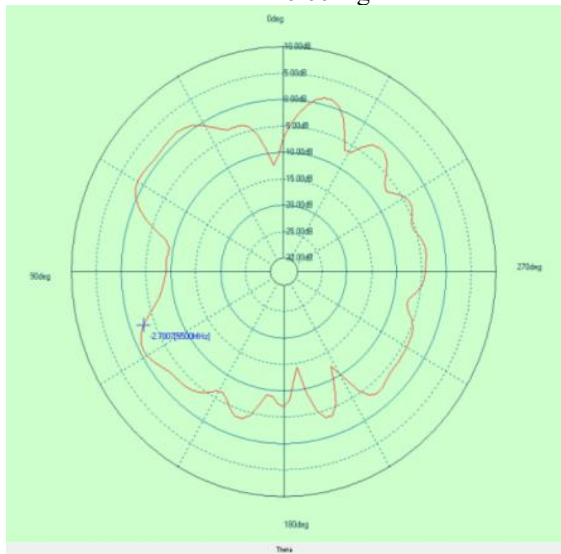


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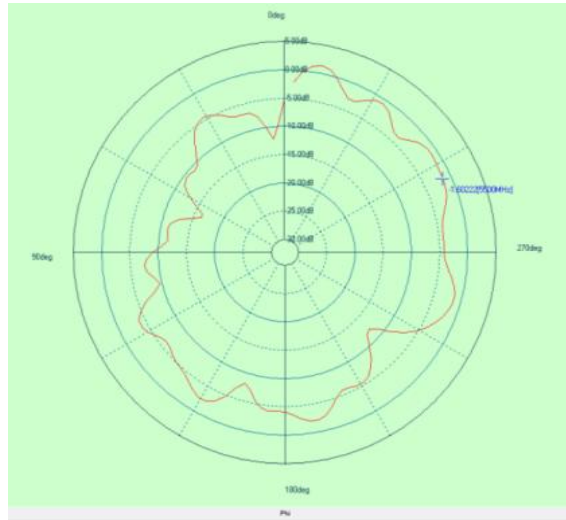
WIFI 5G



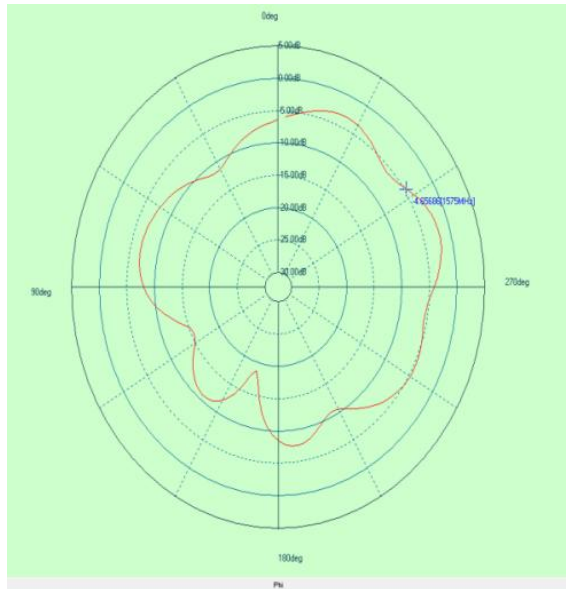
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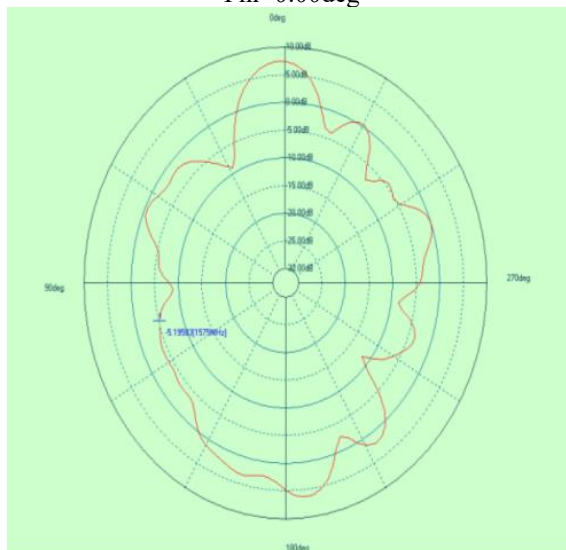
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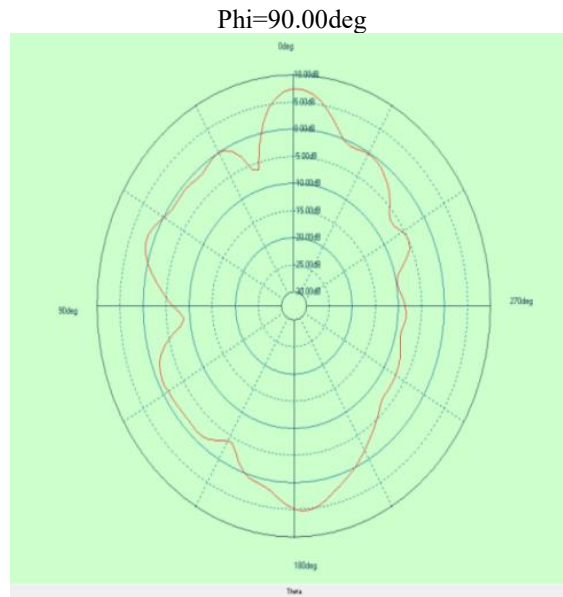


Theta=90.00deg
GPS



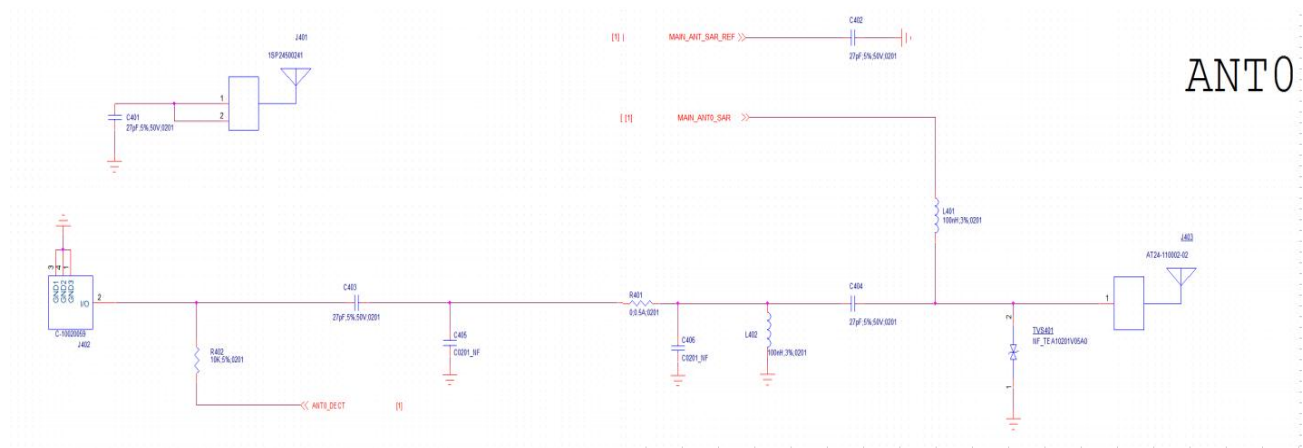
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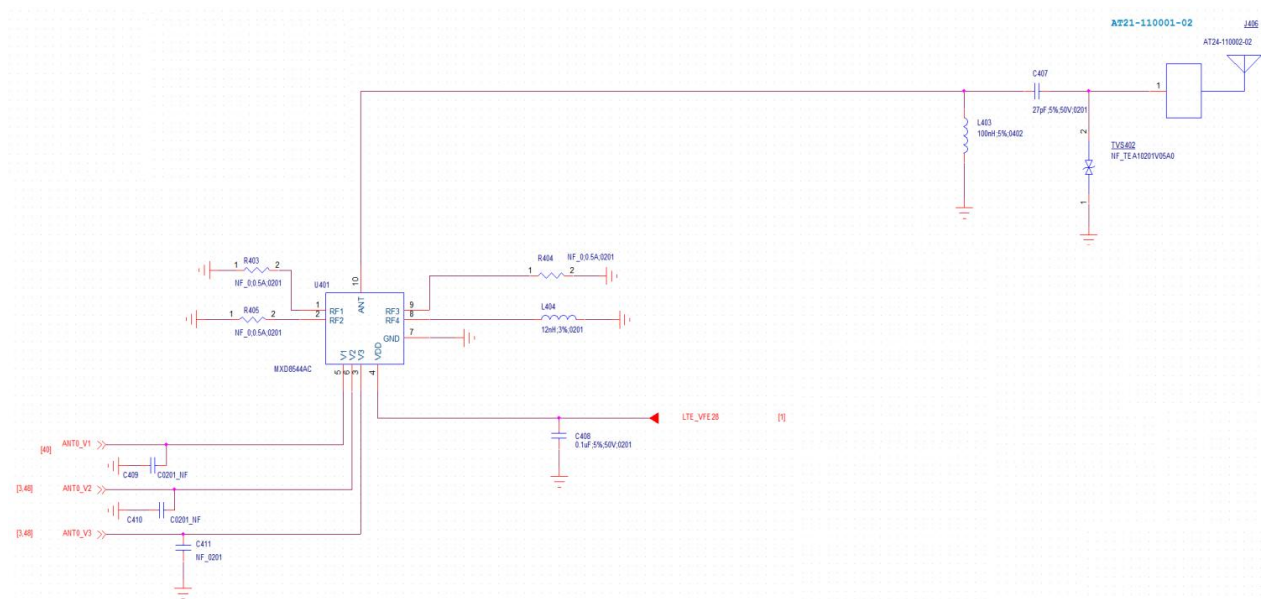




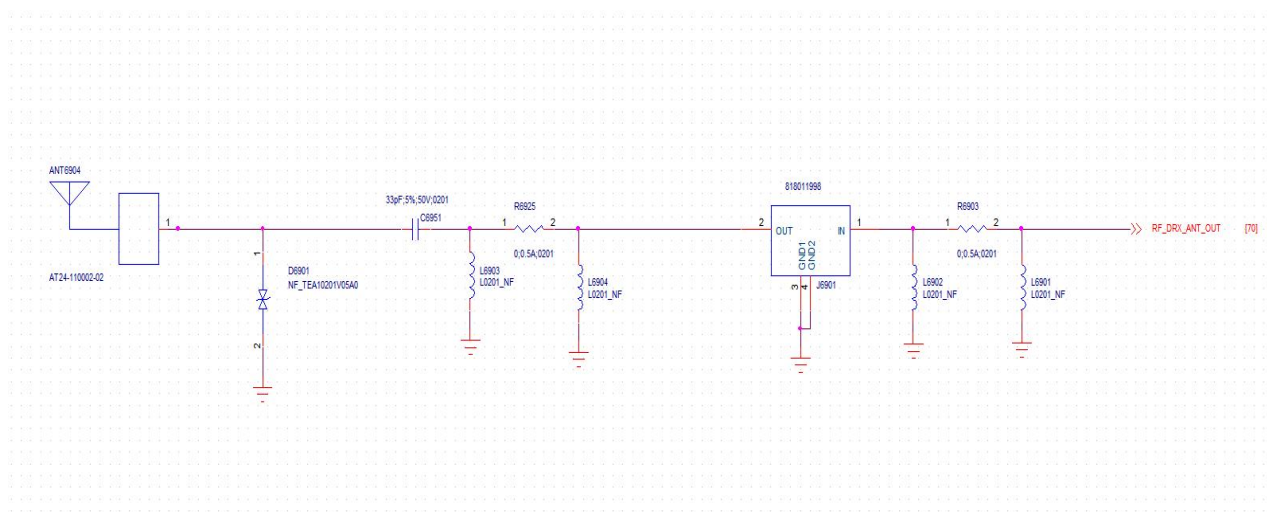
5. Matching circuit

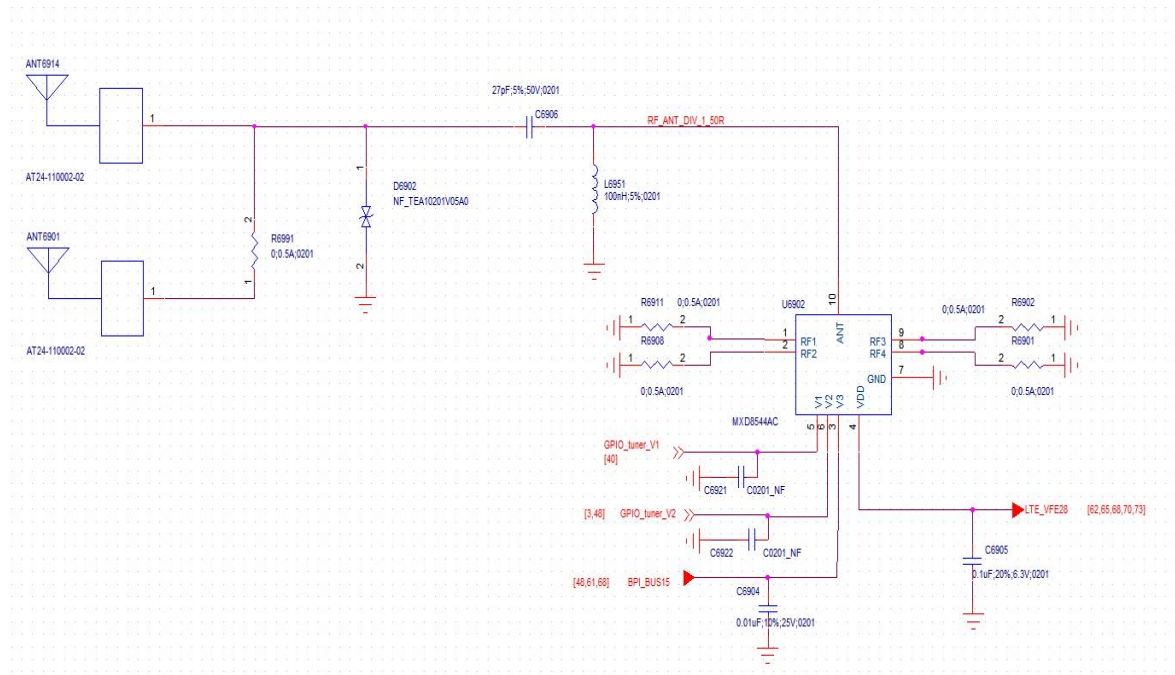
5.1 Main Antenna



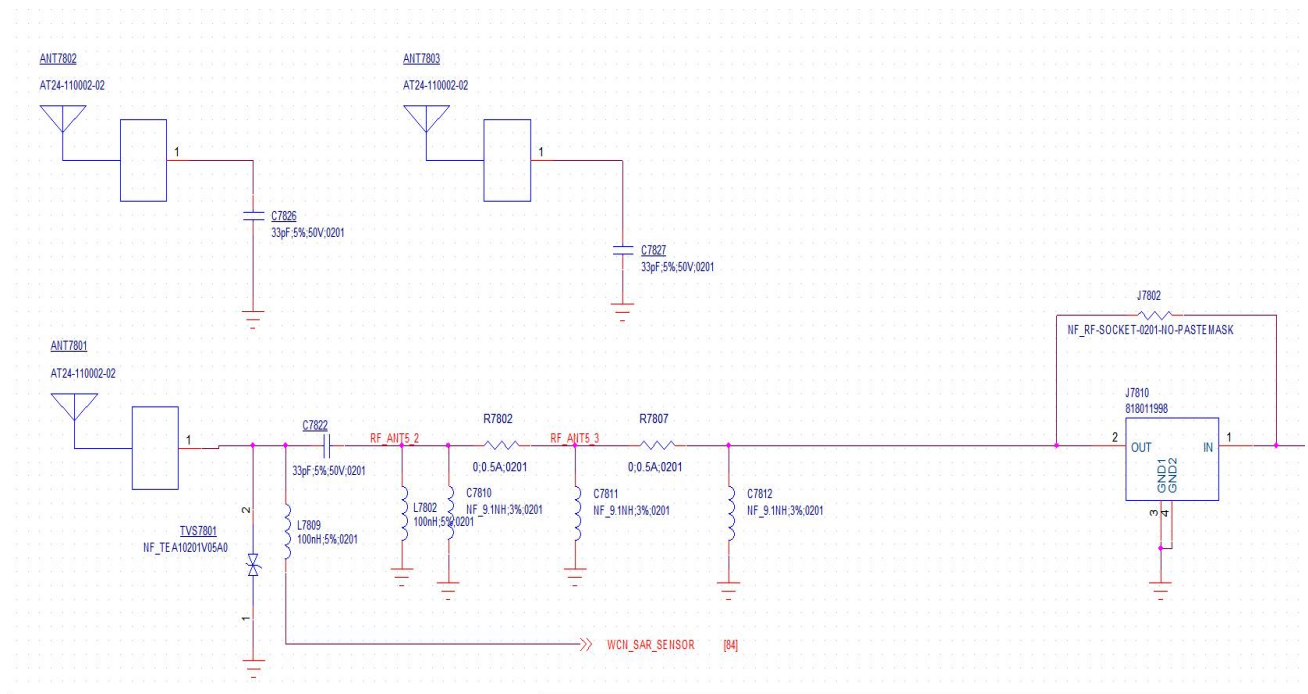


5.2 Div Antenna



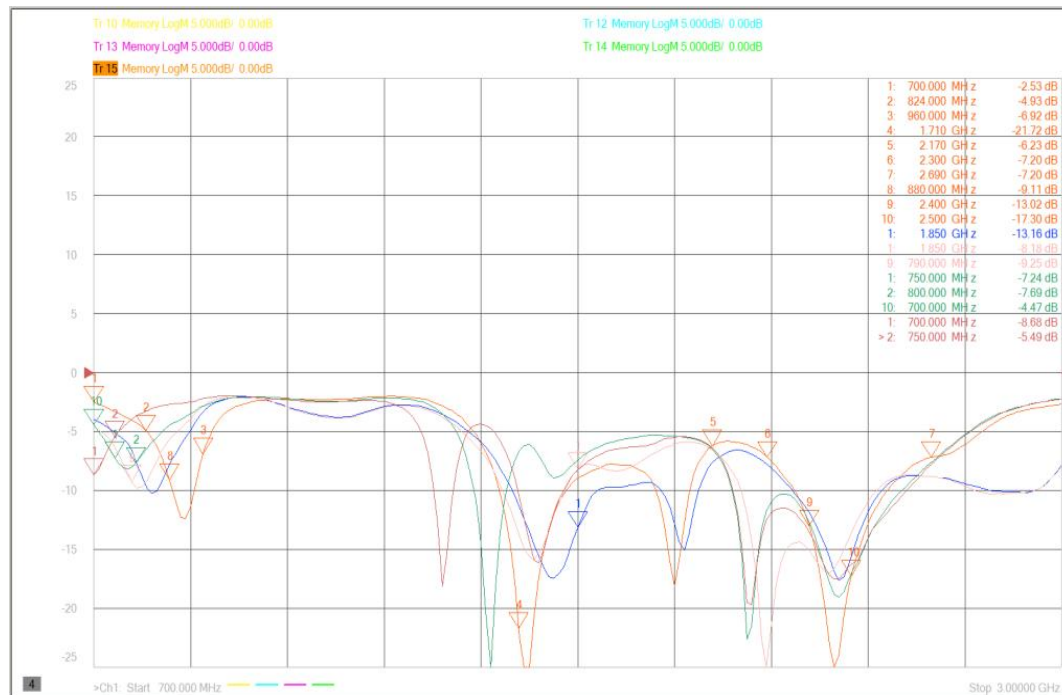


5.3 WiFi/GPS/BT Antenna

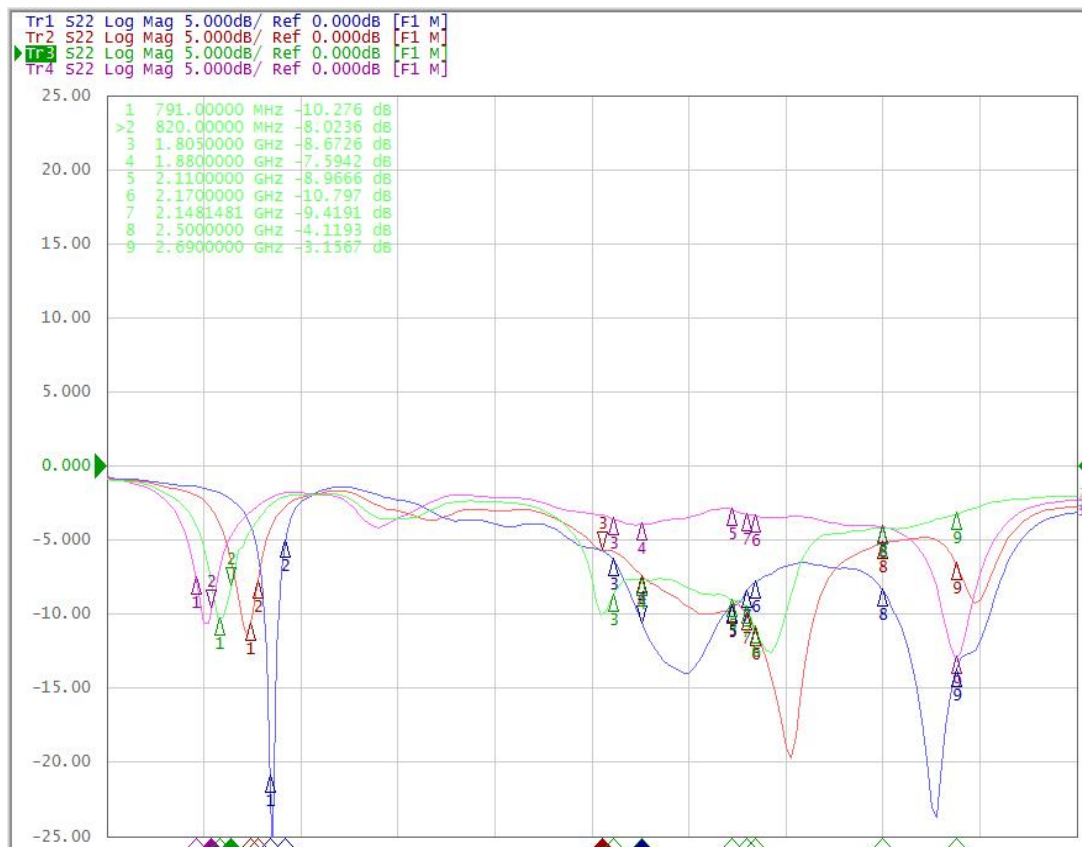


6. ElectricalGraph(Returnloss)

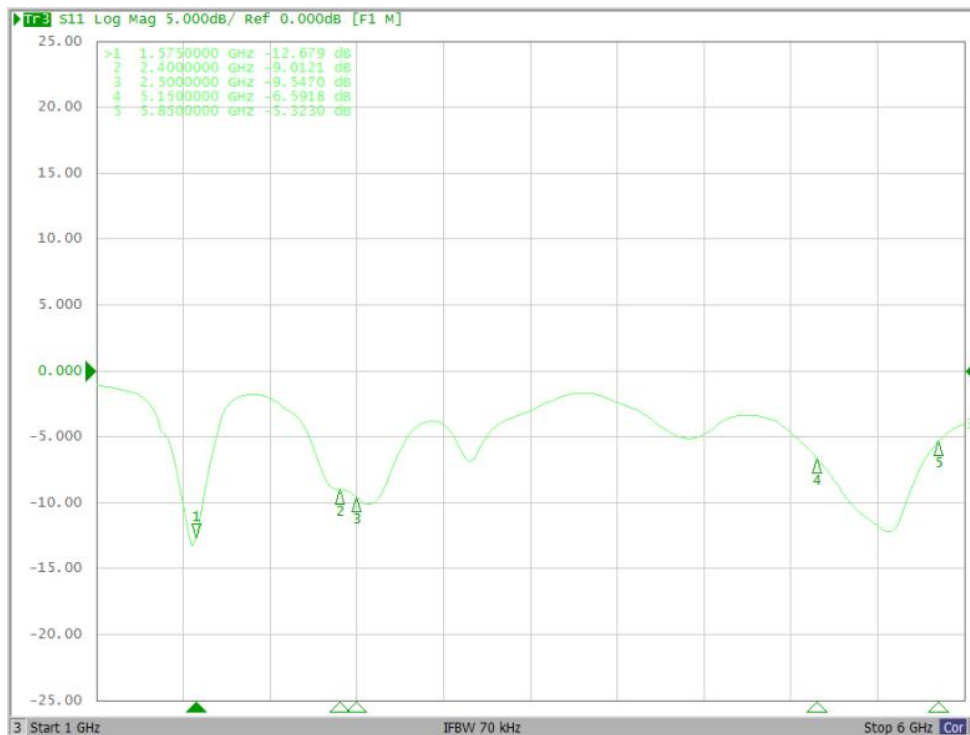
6.1 Main Antenna



6.2 DIV Antenna

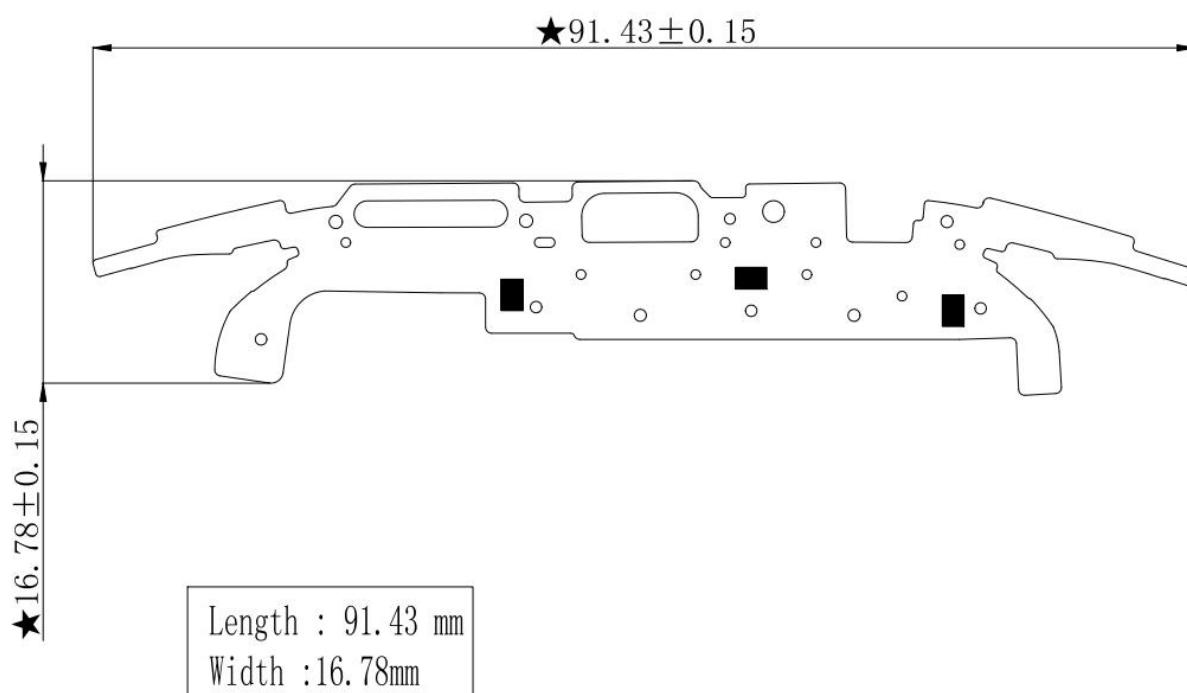


6.3 2.4G WIFI/GPS/BT Antenna

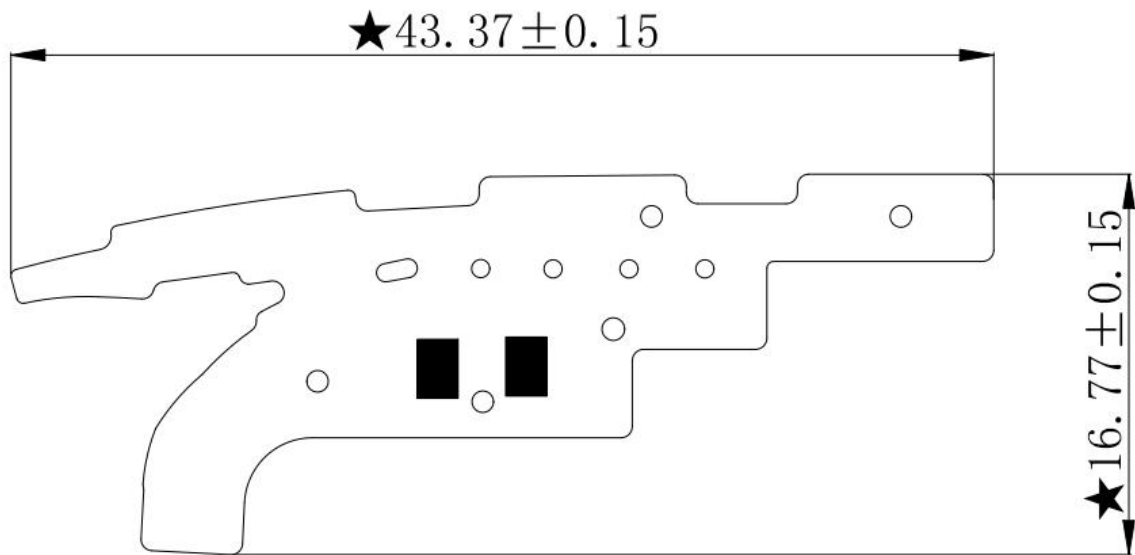


7. External Drawing

7.1 Main Antenna

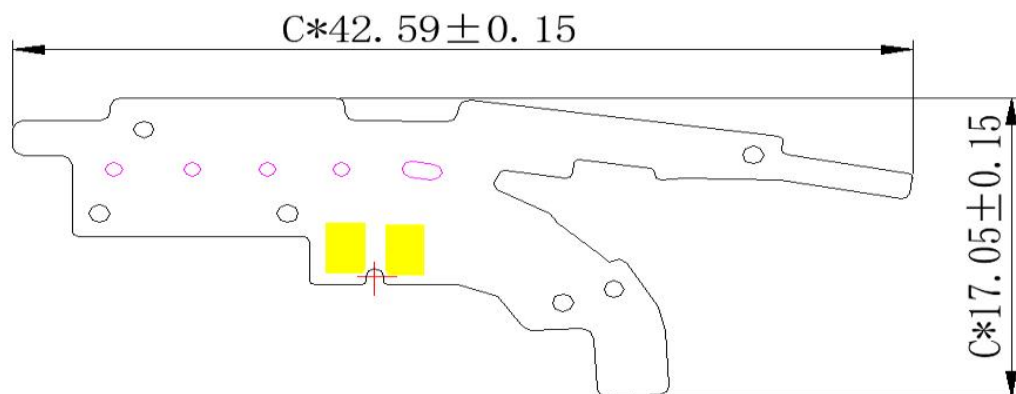


7.2 DIV Antenna



Length : 43.37 mm
Width : 16.77mm

7.2 WIFI/GPS/BT Antenna



Length: 42.59mm
Width: 17.05mm