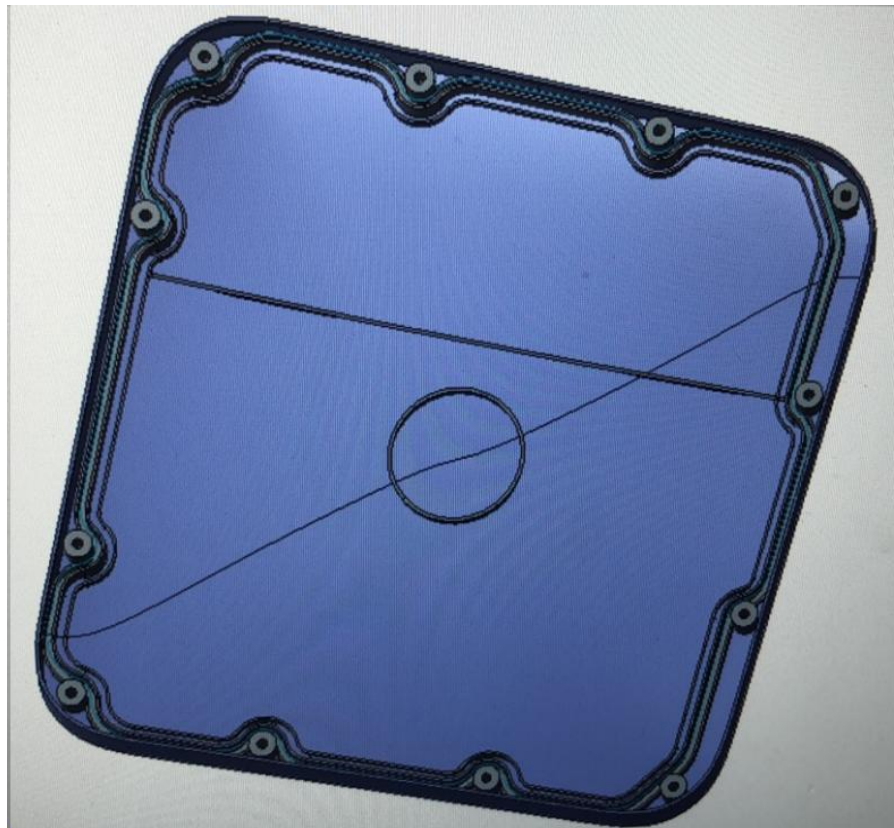


SAT 5G and O-RAN / IoT Application

Shielding&Absorber



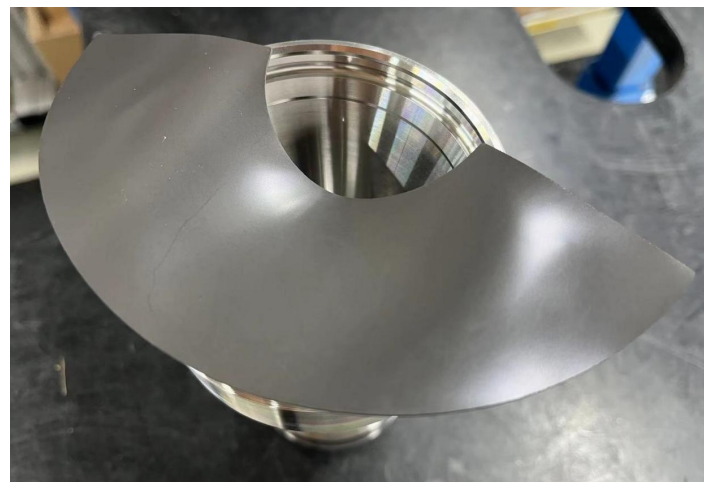
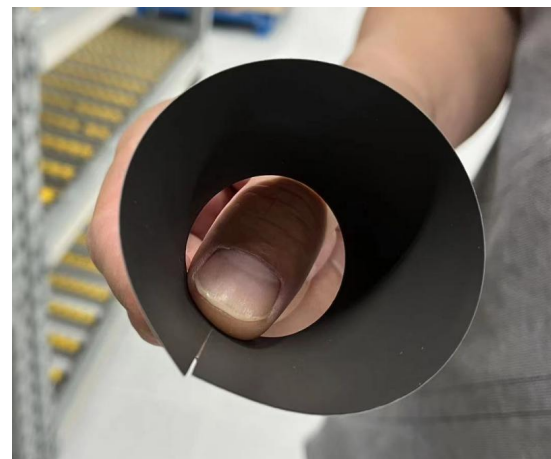
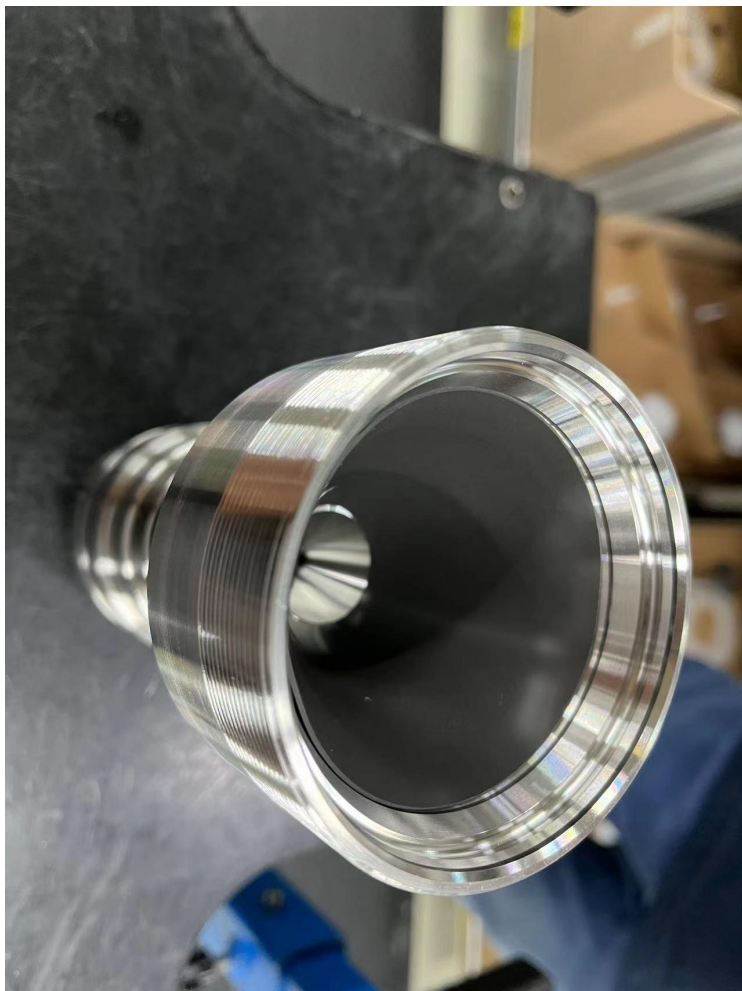
创新型电磁屏蔽&吸波材料解决方案
Innovative EMI Shielding and Absorbing Solution



Extrude Tube for IPXX

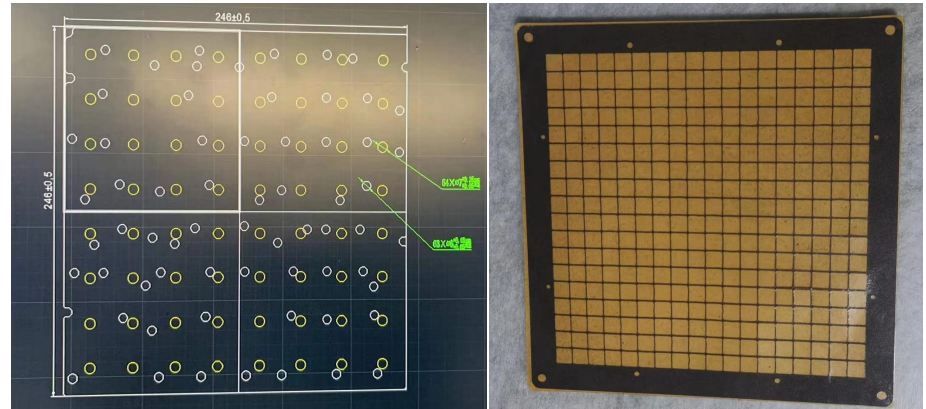
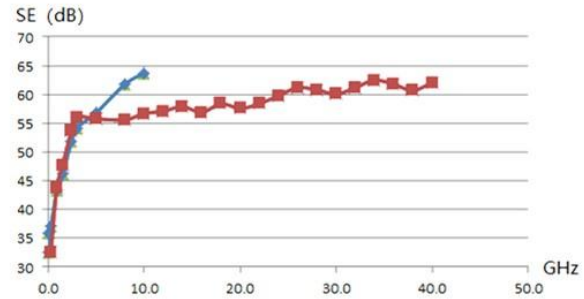
- 可提供快速样品响应
- 量产时生产效率高且成本低
- 模具成本低且无需重复项目模具投资
- 空心管的低应力、大形变量可更好的弥补塑料类天线罩机壳昼夜温差带来形变公差等问题，以达到最佳防水密封效果



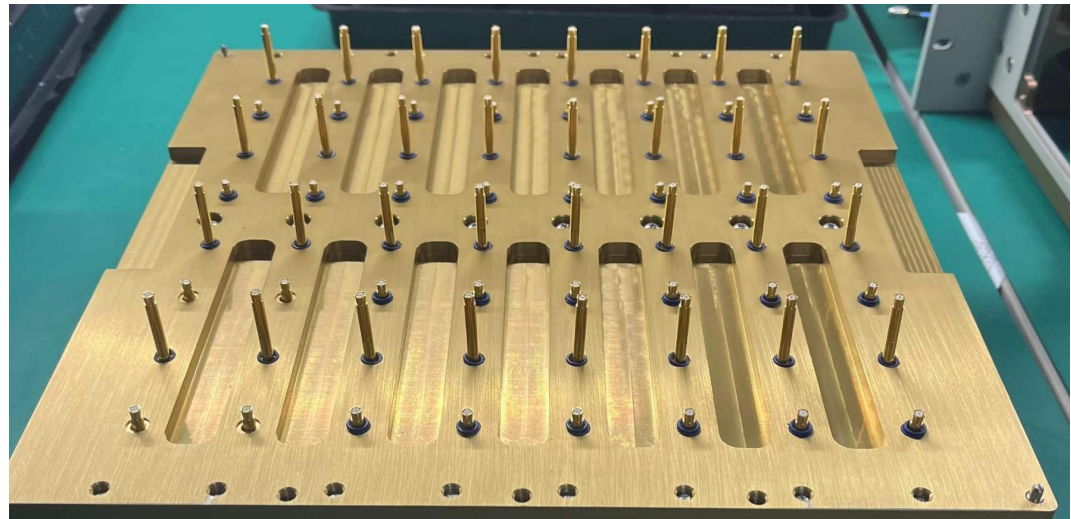
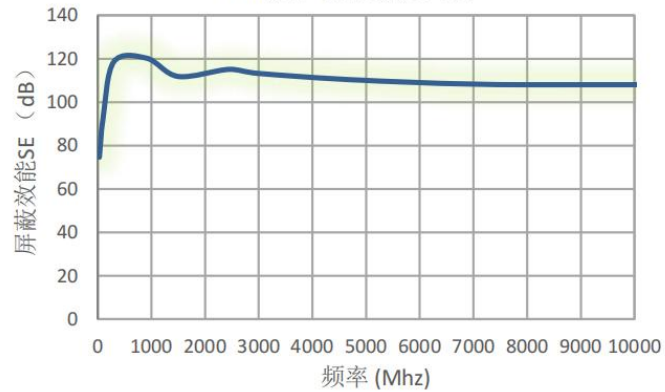


创新型电磁屏蔽&吸波材料解决方案
Innovative EMI Shielding and Absorbing Solution

CNT Standard Sample Shielding Effectiveness



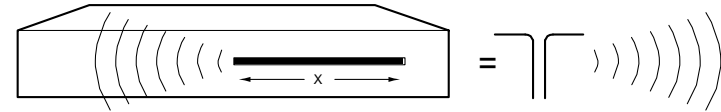
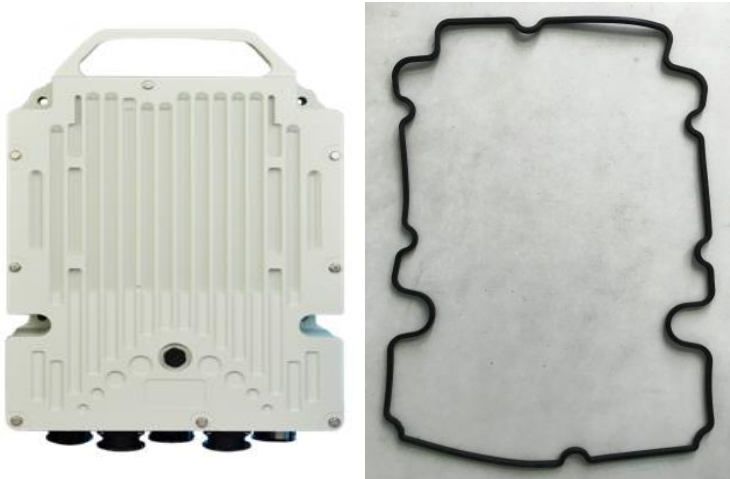
636 频率-屏蔽效能曲线



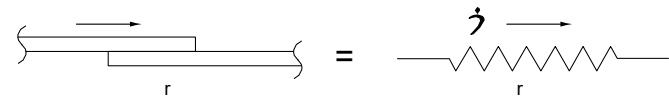
创新型电磁屏蔽&吸波材料解决方案
Innovative EMI Shielding and Absorbing Solution

RRU/RRH/AAU 户外射频单元（屏蔽&防水）

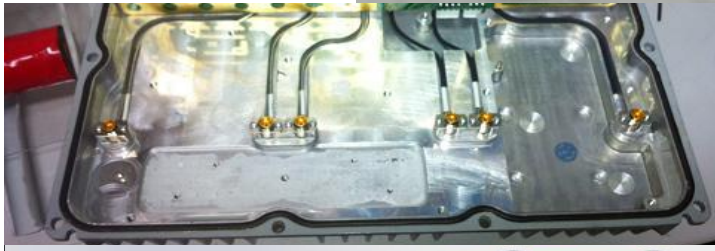
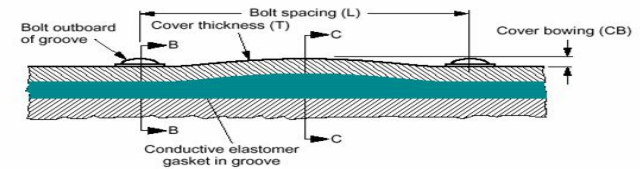
TSFIELD



Slots produce leakage of EMI and can actually act as an antenna.



EMI produces surface currents in metallized enclosures

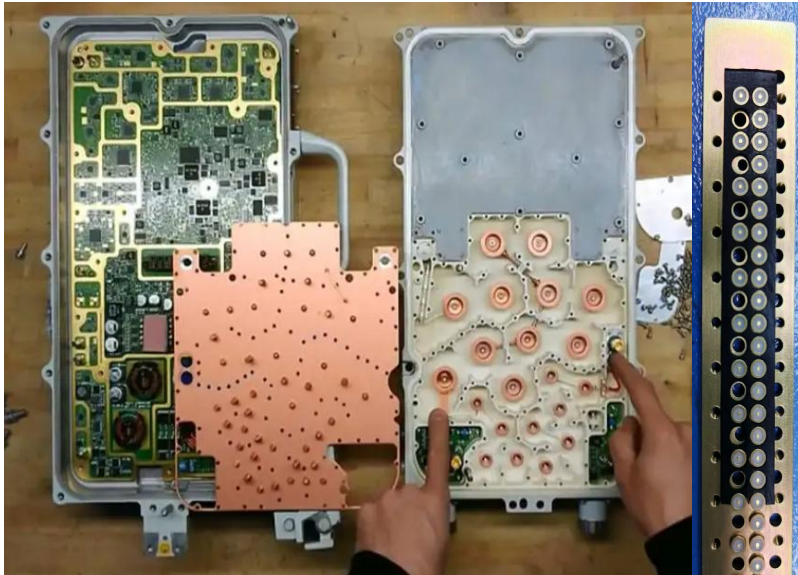


创新型电磁屏蔽&吸波材料解决方案

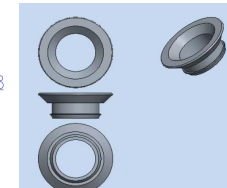
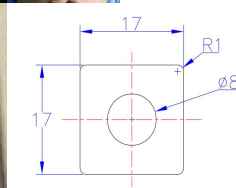
Innovative EMI Shielding and Absorbing Solution

RRU/RRH/AAU 射频单元（内腔屏蔽隔离）

TSFIELD



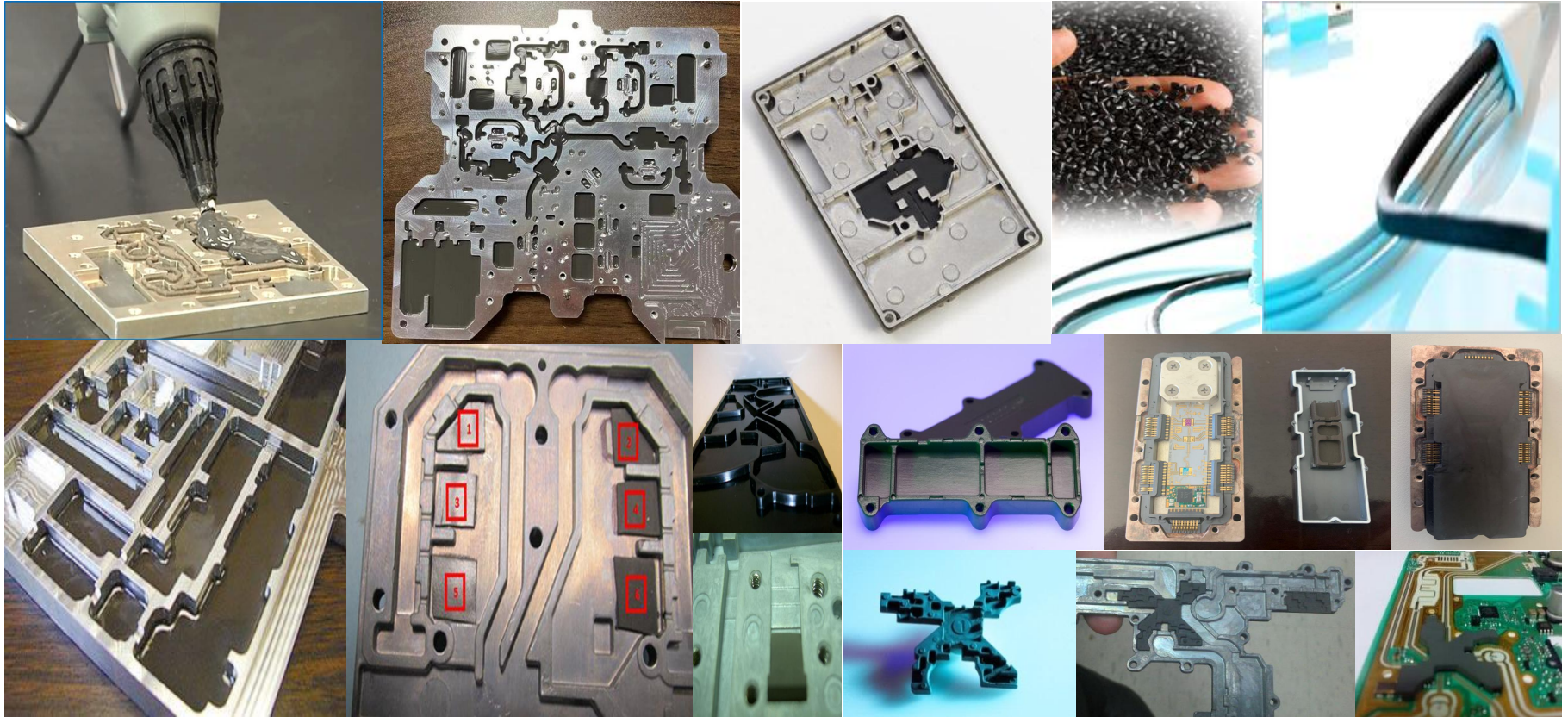
Form In Place



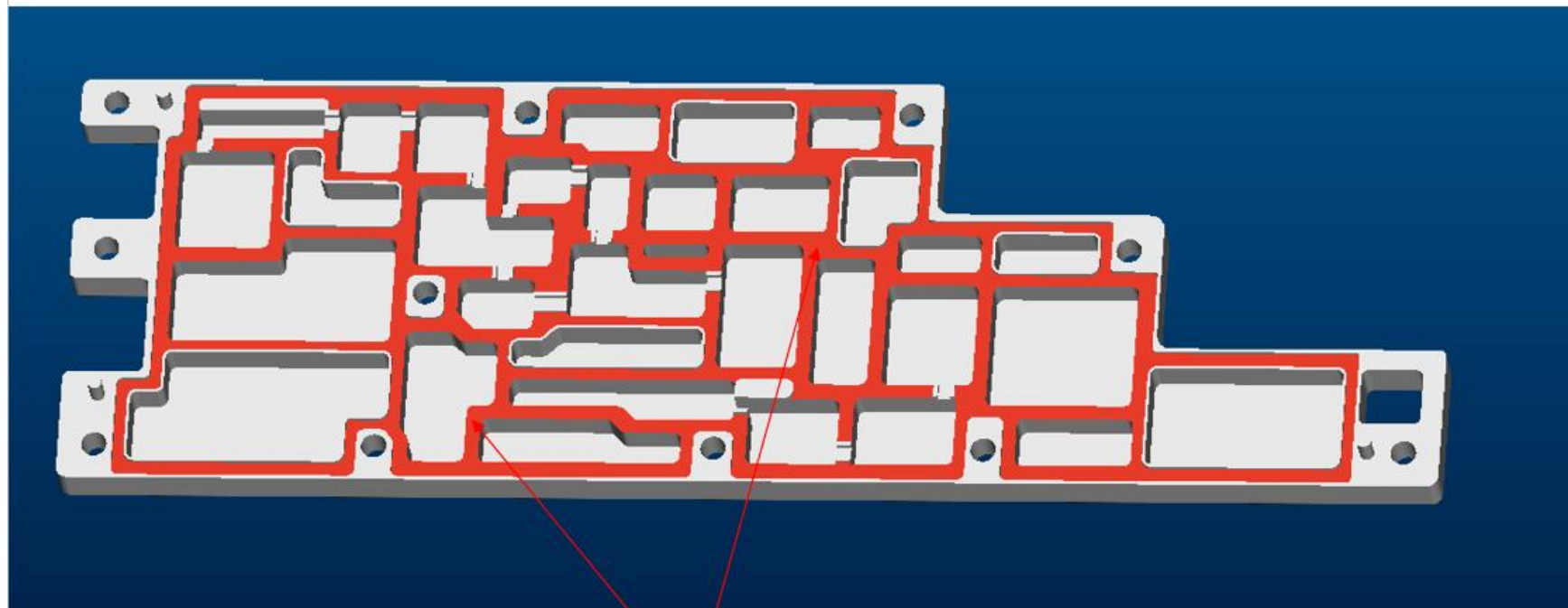
创新型电磁屏蔽&吸波材料解决方案
Innovative EMI Shielding and Absorbing Solution

RRU/RRH/AAU 射频单元（吸波材料方案）

TSFIELD



创新型电磁屏蔽&吸波材料解决方案
Innovative EMI Shielding and Absorbing Solution



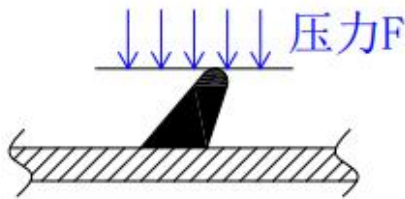
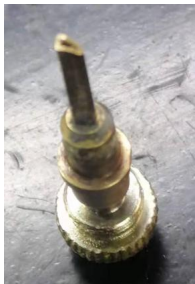
红色面是点胶区域，高是1mm，宽是1.5mm，导电胶型号：NC14



创新型电磁屏蔽&吸波材料解决方案
Innovative EMI Shielding and Absorbing Solution

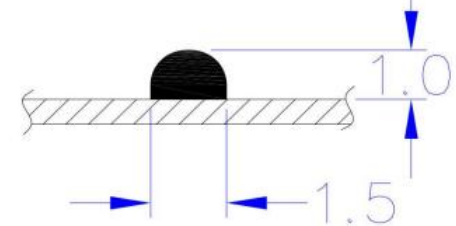
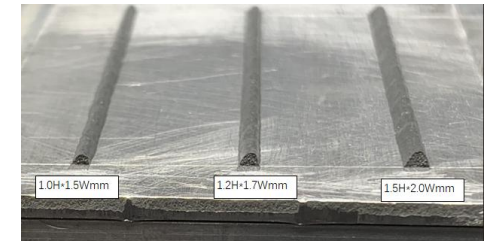
Proposal D型截面: H:1mm W:1.5mm

压缩 $\leq 30\%$ (如压缩超过30%则有过压风险而导致返修回弹不足)



D型点胶, 受压均衡

可有效避免位移公差带来的受力不平衡问题

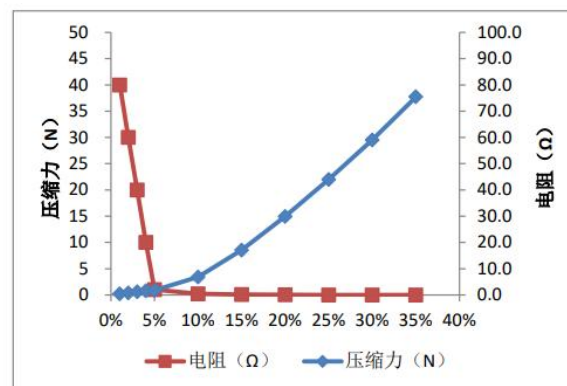


三角型点胶, 受压后易压偏

平面位移公差造成搭接缝隙

特殊设备及针头而带来额外成本

且点胶效率低, 综合成本过高

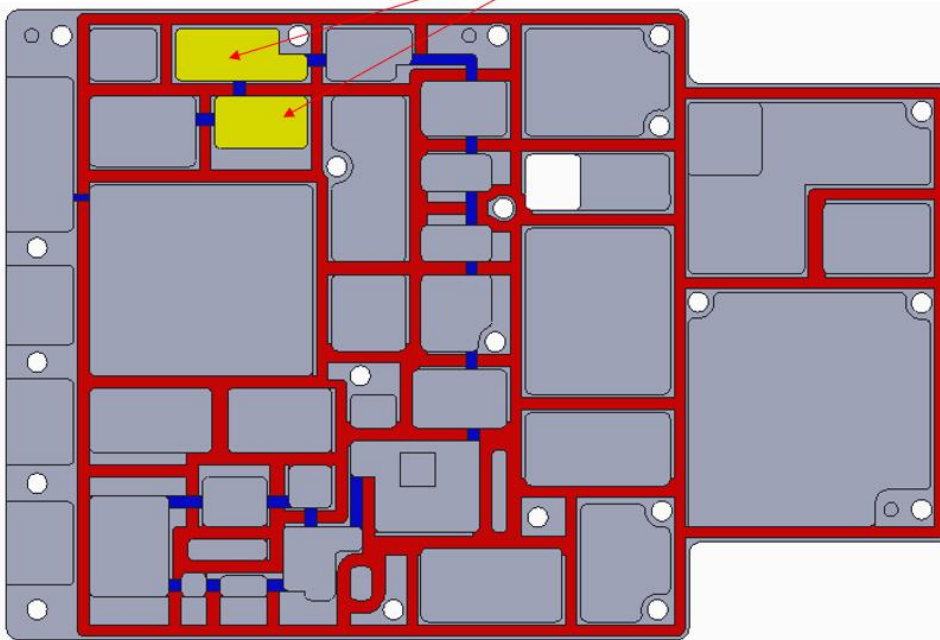


序号	压缩率 (%)	高度 (mm)	压缩力 (N)	电阻 (Ω)
1	1%	1.00	0.20	80.00
2	2%	0.99	0.40	60.00
3	3%	0.98	0.60	40.00
4	4%	0.97	0.80	20.00
5	5%	0.95	0.90	2.04
6	10%	0.90	3.43	0.48
7	15%	0.85	8.55	0.15
8	20%	0.80	14.97	0.06
9	25%	0.75	21.99	0.03
10	30%	0.70	29.52	0.02
11	35%	0.65	37.74	0.01
12	40%	0.60	45.33	0.01

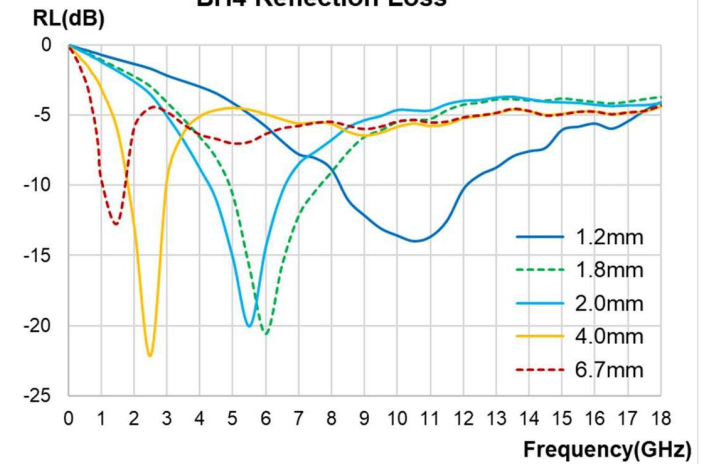
创新型电磁屏蔽&吸波材料解决方案

Innovative EMI Shielding and Absorbing Solution

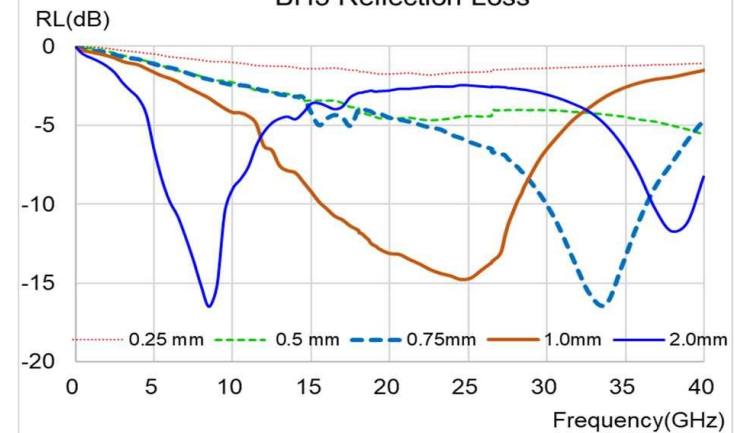
两个腔体贴吸波材料, BH3&BH4 Series



BH4 Reflection Loss

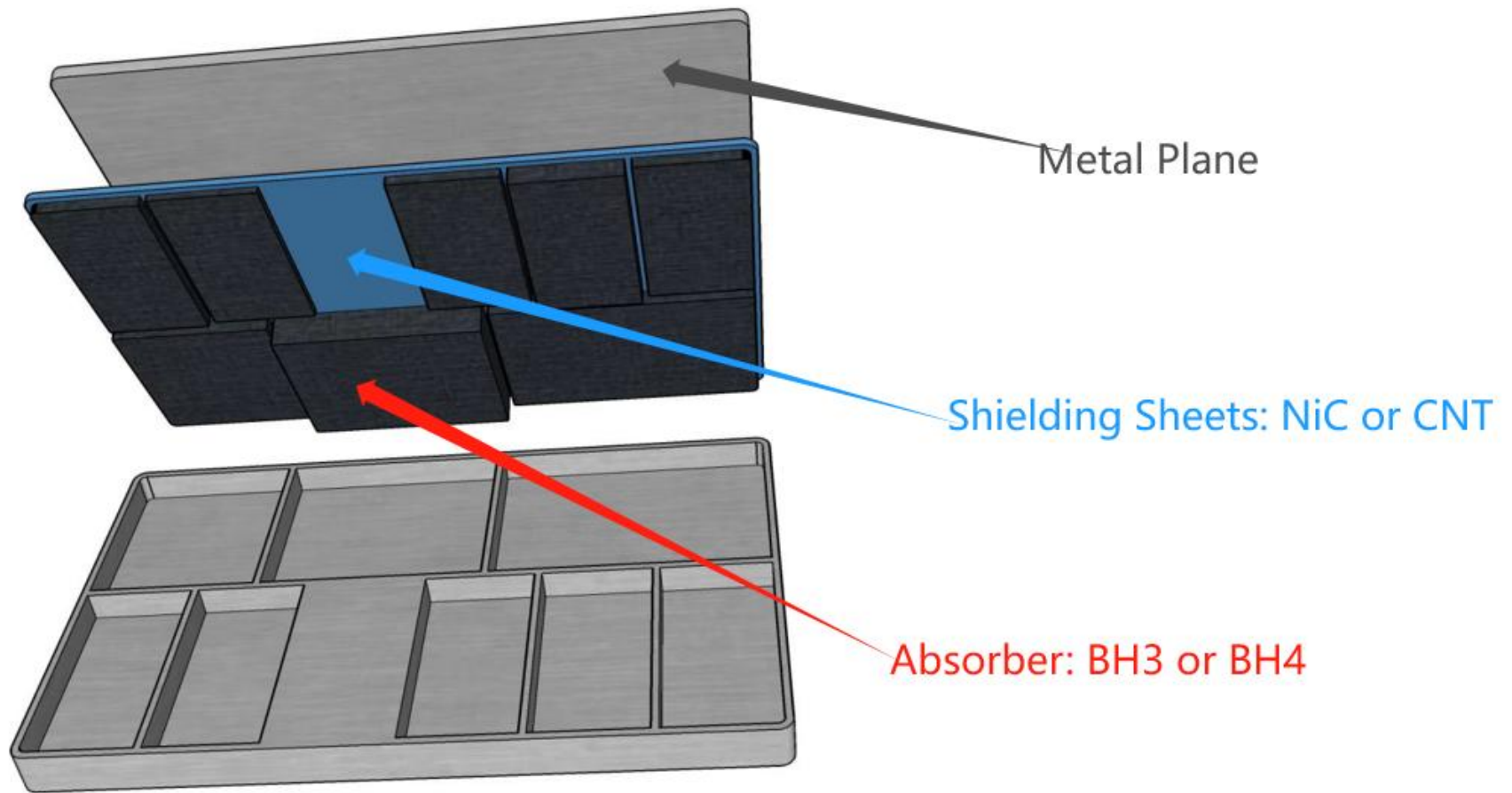


BH3 Reflection Loss



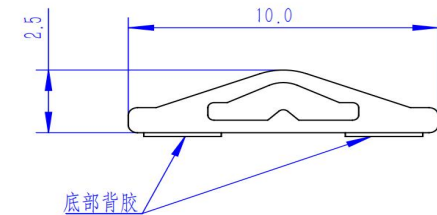
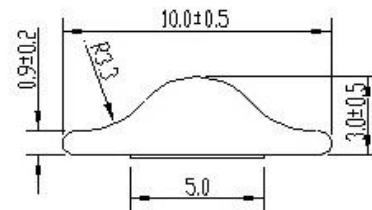
创新型电磁屏蔽&吸波材料解决方案

Innovative EMI Shielding and Absorbing Solution

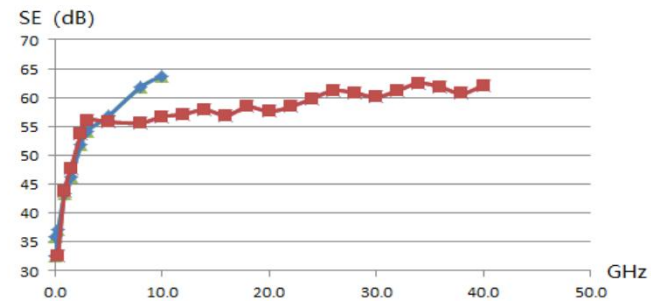


Switch&Router（屏蔽&吸波）

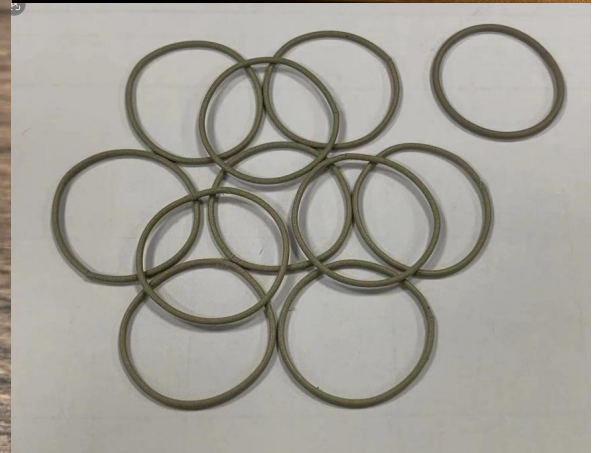
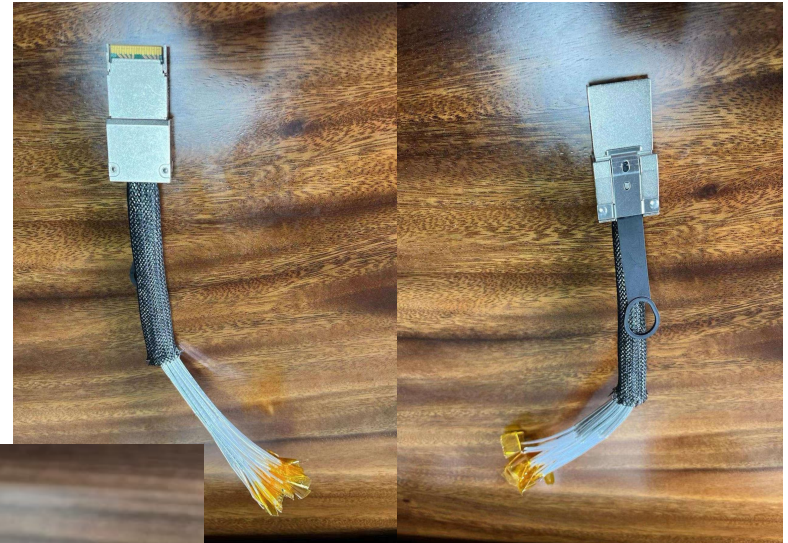
TSFIELD



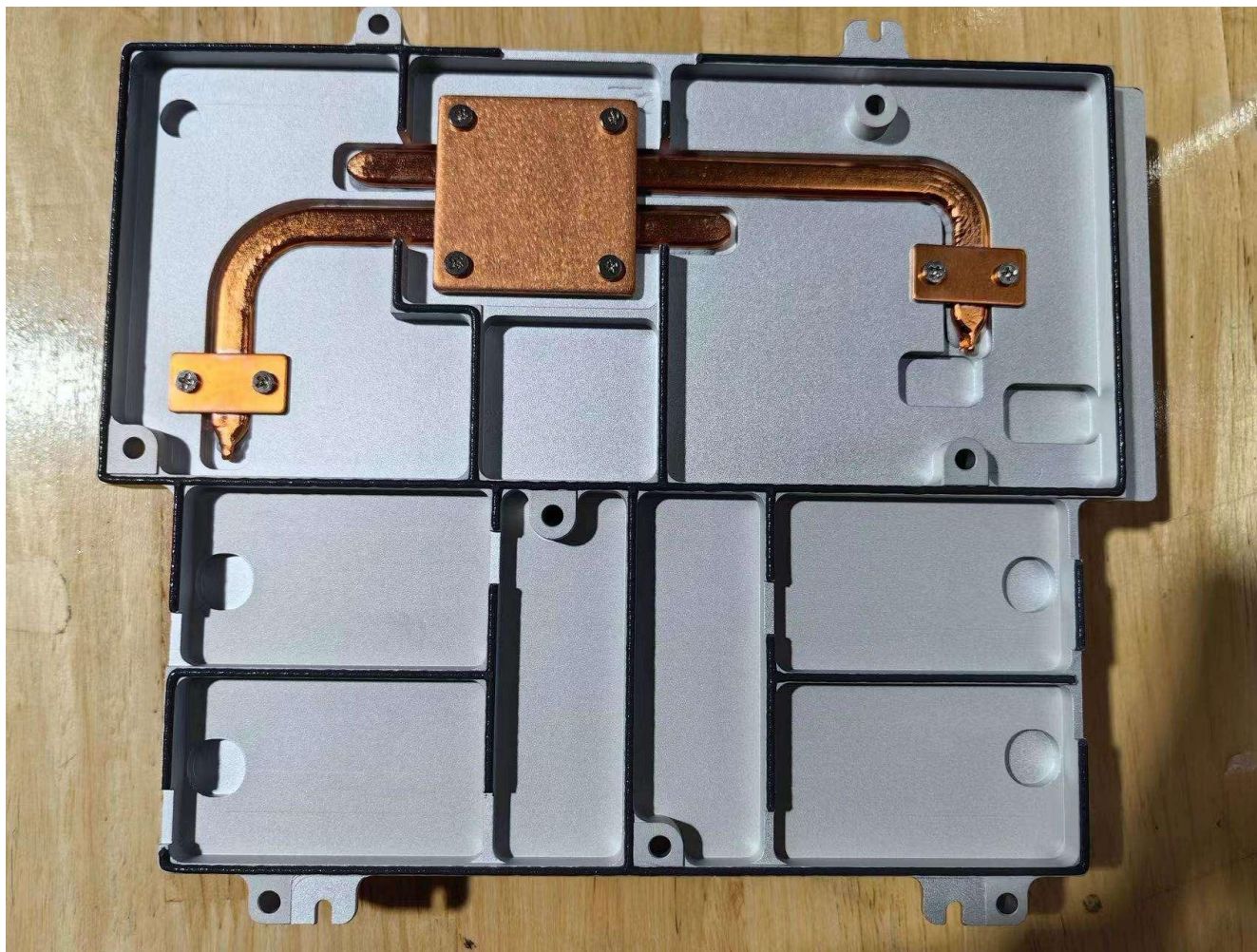
CNT Series Shielding Effectiveness



创新型电磁屏蔽&吸波材料解决方案
Innovative EMI Shielding and Absorbing Solution



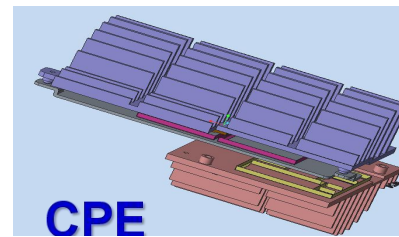
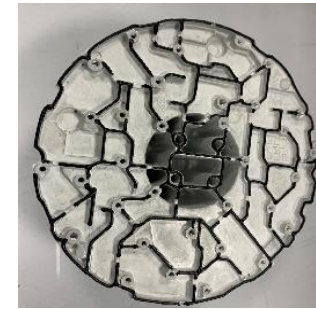
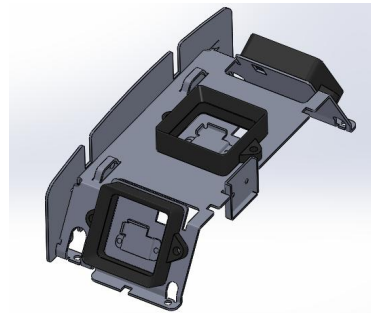
创新型电磁屏蔽&吸波材料解决方案
Innovative EMI Shielding and Absorbing Solution



创新型电磁屏蔽&吸波材料解决方案
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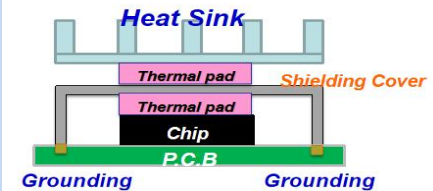
AP&CPE&FTTH&WiFi-6 etc.

TSIELD

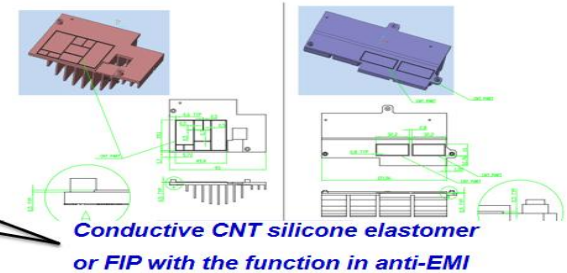
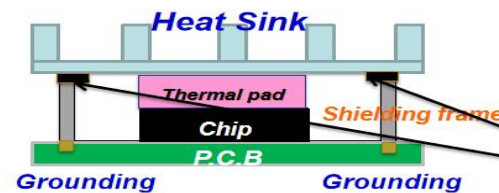


CPE

With Shielding cover

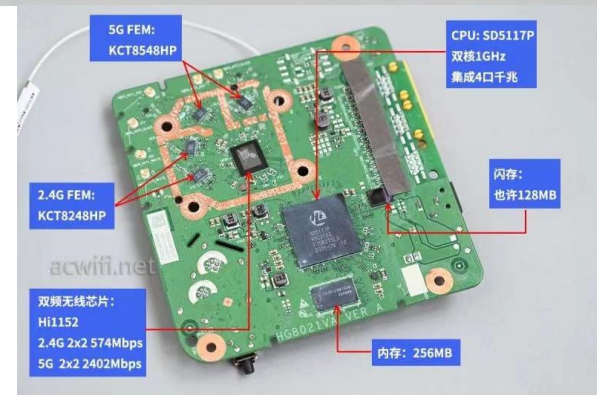
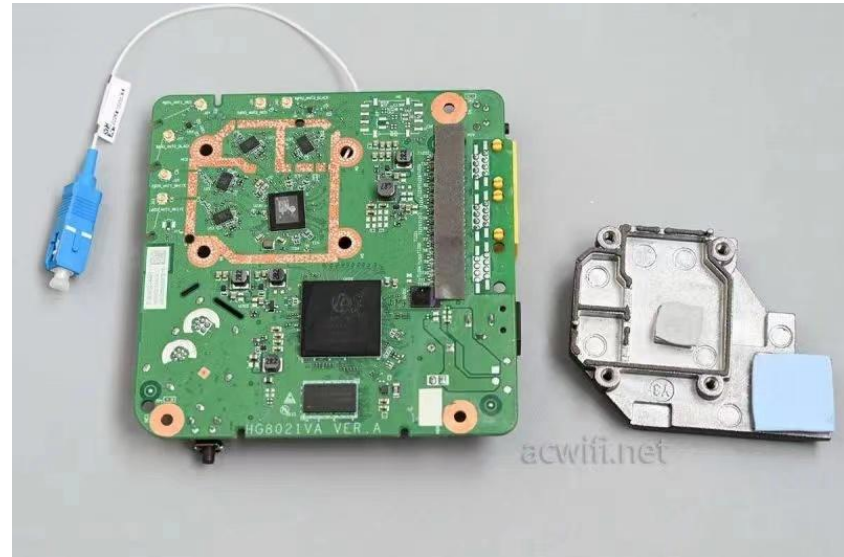


Shielding cover removed



创新型电磁屏蔽&吸波材料解决方案

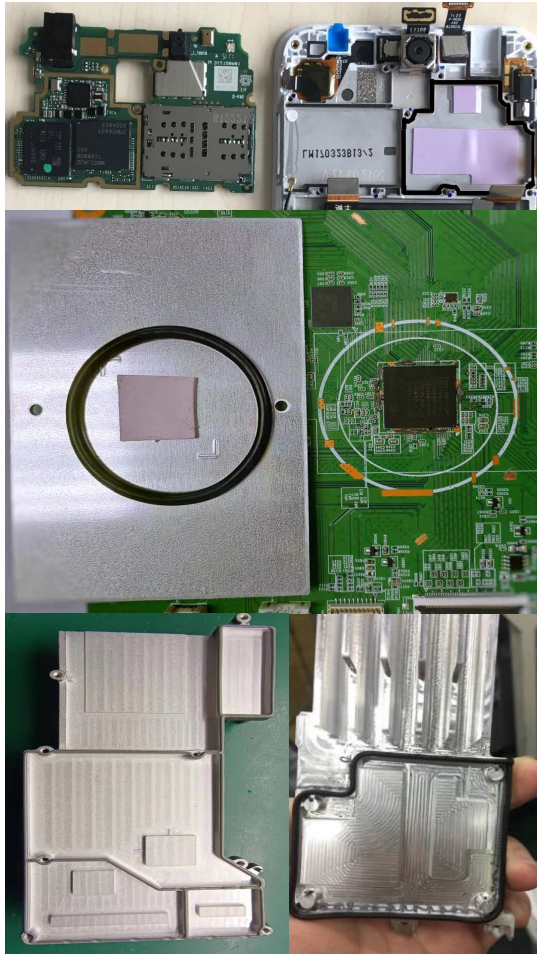
Innovative EMI Shielding and Absorbing Solution



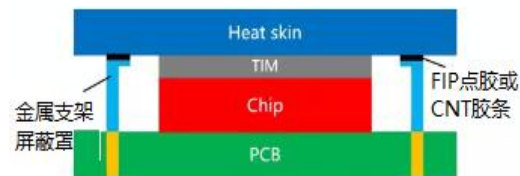
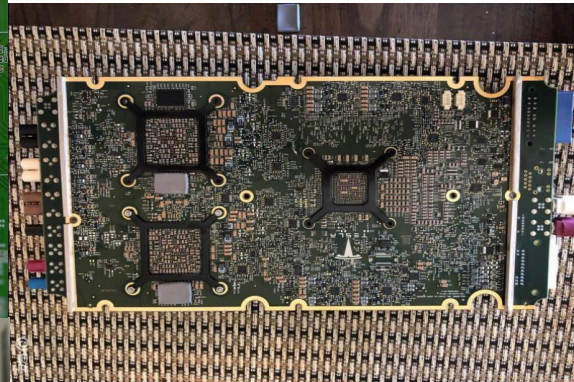
创新型电磁屏蔽&吸波材料解决方案
Innovative EMI Shielding and Absorbing Solution

5G Mobile and IoT Series

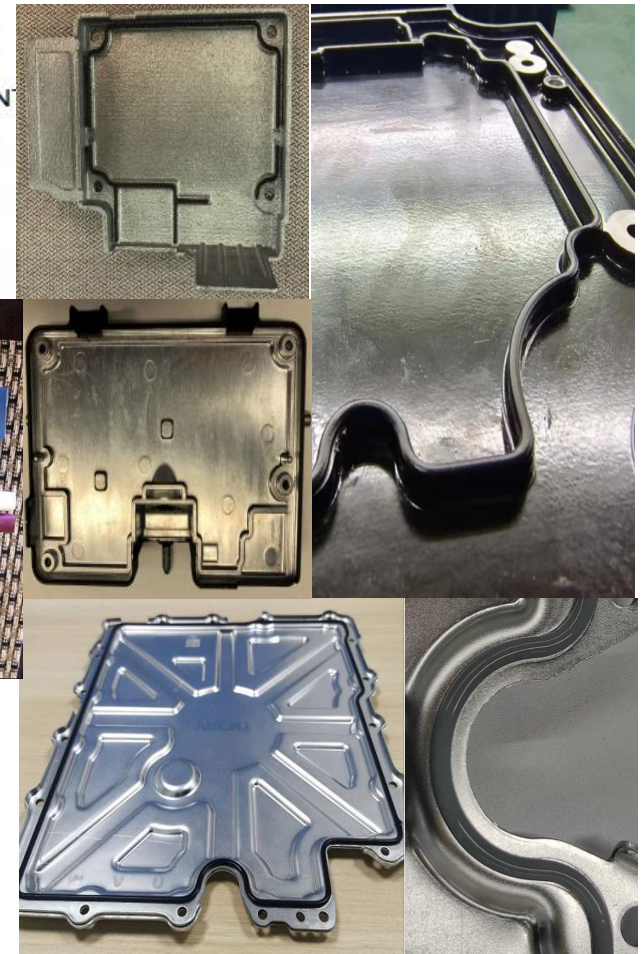
TSFIELD



无金属支架屏蔽结构



FIP或CNT胶条屏蔽结构



创新型电磁屏蔽&吸波材料解决方案

Innovative EMI Shielding and Absorbing Solution

