1、错误应答（收到不规范指令后向手机端应答）

{

"InstructionType":0(int)

}

2、手动调谐

1）接收

{

"InstructionType":1(int)

}

2）应答

{

"InstructionType":1(int)

}

3、模式切换

1）接收

{

"InstructionType":3, (int)

" WorkMode ":xx(int)

}

注：workmode：1、AM；2、SSB；3、DSC；4、NBDP

2）应答

{

"InstructionType":3, (int)

"WorkMode":xx, (int)

"Channel":xx, (int)

"TX":xx, (double)

"RX":xx (double)

}

4、信道切换

1）接收

{

"InstructionType":4, (int)

"Channel":xx (int)

}

2）应答

{

"InstructionType":4, (int)

"Channel":xx, (int)

"TX":xx, (double)

"RX":xx (double)

}

5、调谐报告（上报）

{

"InstructionType":5, (int)

"TX":xx, (double)

"Result":xx(int)

}

注：Result：1、Success；2、Failure；

6、发射频率设置

1）接收

{

"InstructionType":11, (int)

"TX":xx (double)

}

2）应答

{

"InstructionType":11, (int)

"TX":xx (double)

}

7、接收频率设置

1）接收

{

"InstructionType":12, (int)

"RX":xx (double)

}

2）应答

{

"InstructionType":12, (int)

"RX":xx (double)

}

8、发射功率设置

1）接收

{

"InstructionType":14, (int)

"POW":xx (int)

}

注：POW：1、H；2、M；3、L

2）应答

{

"InstructionType":14, (int)

"POW":xx (int)

}

9、DSC发射数据类型

1）接收

{

"InstructionType":15, (int)

"DataType":xx (int)

}

注：DataType：1）continuous\_0；2）continuous\_1；3）Alter\_0/1；4）SerialData

2）应答

{

"InstructionType":15, (int)

"DataType":xx (int)

}

10、射频增益（ATT）设置

1）接收

{

"InstructionType":16, (int)

"ATT":xx (int)

}

注：ATT：1、Pre；2、S；3、L

2）应答

{

"InstructionType":16, (int)

"ATT":xx (int)

}

11、接收增益（AGC/MGC）设置

1）接收

{

"InstructionType":17, (int)

"AGC/MGC":xx (string)

}

注：AGC/MGC：1、H；2、L；3、(数值)

2）应答

{

InstructionType":17, (int)

"AGC/MGC":xx (string)

}

12、静噪（SQL）设置

1）接收

{

"InstructionType":18, (int)

"SQLStatus":xx, (int)

"SQLValue:xx (int)

}

注：SQLStatus：1、ON；2、OFF；

SQLValue：（数值）

2）应答

{

"InstructionType":18, (int)

"SQLStatus":xx, (int)

"SQLValue:xx (int)

}

13、静默设置

1）接收

{

"InstructionType":24, (int)

"Silence":xx (int)

}

注：Silence：1、ON；2、OFF；

2）应答

{

"InstructionType":24, (int)

"Silence ":xx (int)

}

14、功率微调设置

1）接收

{

"InstructionType":25, (int)

"Mode":xx, (int)

"Value:{

"Band\_1":xx, (double)

"Band\_2":xx,(double)

……

"Band\_30":xx(double)

}

}

注：Mode：1、SSB；2、DSC；

2）应答

{

"InstructionType":25, (int)

"Mode":xx, (int)

"Value:{

"Band\_1":xx, (double)

"Band\_2":xx,(double)

……

"Band\_30":xx(double)

}

}

15、功率微调查询

1）接收

{

"InstructionType":26, (int)

"Mode":xx, (int)

"Value:{

"Band\_1":xx, (double)

"Band\_2":xx,(double)

……

"Band\_30":xx(double)

}

}

注：Mode：1、SSB；2、DSC；

2）应答

{

"InstructionType":26, (int)

"Mode":xx, (int)

"Value:{

"Band\_1":xx, (double)

"Band\_2":xx,(double)

……

"Band\_30":xx(double)

}

}

16、自检

1）接收

{

"InstructionType":102(int)

}

2）应答

{

"InstructionType":102, (int)

"SDRAM":xx, (int)

"FLASH":xx, (int)

"DSP":xx, (int)

"FPGA":xx, (int)

"MCU":xx, (int)

"VOLT":xx, (int)

"CURRENT":xx，(int)

"TEMPERATURE":xx, (int)

"RS\_1":xx, (int)

"RS\_2":xx, (int)

"RS\_3":xx, (int)

"RS\_4":xx, (int)

"RS\_5":xx, (int)

"RS\_6":xx, (int)

"RS\_7":xx, (int)

"PA":xx(int)

}

备注：xx：1、OK；2、NO

17、主机信息查询

1）接收

{

"InstructionType":103(int)

}

2）应答

{

"InstructionType":103, (int)

"DSP":xx, (int)

"FPGA":xx, (int)

"MCU":xx(int)

}

18、状态查询

1）接收

{

"InstructionType":xx(int)

}

2）应答

{

"InstructionType":106, (int)

"Volt":xx, (int)

"Current":xx, (int)

"VSWR":xx, (int)

"FP":xx, (int)

"RP":xx, (int)

"Temp":xx, (int)

"S":xx, (int)

"RT":xx, (int)

"Tuner":xx, (int)

"PA":xx, (int)

"POS":{"LatOrient":xx, (int) "LatValue":xx(string),"LonOrient":xx,(int) "LonValue":xx(string)},

"UTC":xx,(string)

"GPSStatus":xx(int)

}

备注：GPSStatus：1、IN；2、OUT

19、遥控设置

1）接收

{

"InstructionType":108(int)

}

2）应答

{

"IntructionType":108,(int)

"WorkMode":xx,(int)

"Channel":xx,(int)

"TX":xx,(double)

"RX":xx,(double)

"AGC/MGC":xx,(string)

"ATT":xx,(int)

"SQL":{"SQLStatus":xx,(int) "SQLValue":xx(int)},

"POW":xx,(int)

"POS":{"LatOrient":xx,(int) "LatValue":xx,(string) "LonOrient":xx,(int) "LonValue":xx(string)},

"UTC":xxxx,(string)

"GPSStatus":xx,(int)

"SCENE":xx(int)

}

备注：GPSStatus：1、IN；2、OUT