***Control frame 192.168.2.196 Port 48248***

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

S\_\_t\_\_Rx\_Rx\_Rx\_Rx \_Tx\_Tx\_Tx\_Tx \_Lvl\_Tctl\_Rctl\_FW\_Press\_Att\_Msc\_0x00\_0x00\_0x00\_0x00

(1-2) S t (Char)

(3-6) Rx tune phase = RxFrequency(Hz) / 122880000.0 \*4294967296.0 + 0.5

(7-10) Tx tune phase = TxFrequency(Hz) / 122880000.0 \*4294967296.0 + 0.5

(11) Tx power Level 0-255

(12) Tx control 0x08

(13) Rx control SampleRate = 41=48k, 21=96k, 11 = 192k, 6 = 384k

(14) FirmWare =0x02

(15) Presselector 160m = 0x01, 80m=0x02, 40m = 0x03, 30m = 0x04, 20m = 0x05, 17m = 0x06

 15m = 0x07, 12m = 0x08, 10m = 0x09, 6m = 0x0A, Bypass = 0x00

(16) Attenuator 0db = 0x00 , -10db = 0x08, -20db = 0x10, -30db = 0x18

(17) Msc – is not used

(18-21) = 0x00

***Rx samples 192.168.2.196 Port 48247***

For starting, send “rr” to port . For stopping, send “ss” to port.

Rx samples frame lengths = 1442 Bytes

 1 2 |--------------------------------------1440 Bytes------------------------------|

SN Stat I0 I1 I2 Q0 Q1 Q2 I0 I1 I2 Q0 Q1 Q2…………………………………………

1. SN – Sequence Number 0-255
2. Status , bit0 – Ptt indicator, 0=PTT, 1=noPTT

 Bit1 – ADC OverFlow indicator, 0=noClipping, 1=Clipping

 (3-1442) IQ Samples, least significant bit is first.

***Tx samples*** ***192.168.2.196 Port 48249***

SR = 48kHz

 1 2 |-----------------------------1440Bytes-------------|

0x00 0x00 I0 I1 Q0 Q1 I0 I1 Q0 Q1…………………………..