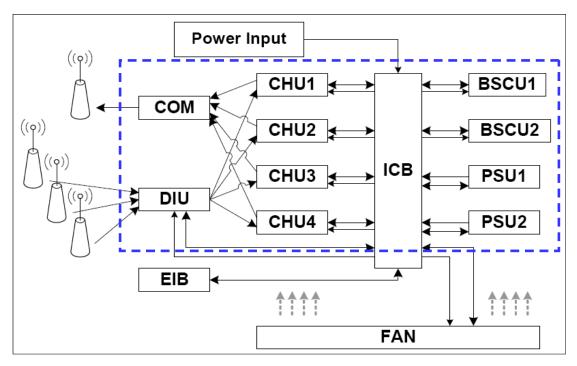
Tune-up Procedure

1. Receive parameters

Item	Test Condition	Test equipment	Test Part	Specification/Remark
Sensitivity	input level: -119dBm	Signal generator	Receive Port	P _I =-119dBm, BER≤5%
Spurious	Spectrum analyzer	Spectrum analyzer	Receive Port	9 kHz to 1 GHz≤
Radiations	1. Resolution			-57dBm;
	BW:100kHz;			1GHz to 12.75 GHz≤
	2. Video BW:			-47dBm;
	300kHz			

2. Transmitter parameters

Item	Test Condition	Test equipment	Test Part	Specification/Remark
Frequency	Spectrum analyzer	Spectrum analyzer	Transmitter	≤±1kHz
Stability	1.Resolution		Port	
	BW:30kHz;			
	2.Video BW:			
	100kHz			
Emission	Spectrum analyzer	Spectrum analyzer	Transmitter	
Mask	1.Resolution		Port	
	BW:300Hz;			
	2.Video BW: 1kHz			
RF Output	Spectrum analyzer	Spectrum analyzer	Transmitter	43.5dBm±1.5dB
Power	1.Resolution		Port	
	BW:30kHz;			
	2.Video BW:			
	100kHz			
Adjacent	Spectrum analyzer	Spectrum analyzer	Transmitter	≤-60dB
channel	1.Resolution		Port	
power	BW:30Hz;			
	2.Video BW: 1kHz			
Occupied	Spectrum analyzer	Spectrum analyzer	Transmitter	≤8.5kHz
Bandwidth	1.Resolution		Port	
	BW:100Hz;			
	2.Video BW: 300Hz			
Spectrum	Spectrum analyzer	Spectrum analyzer	Transmitter	9 kHz to 1 GHz≤
emission	1.Resolution		Port	-36dBm;
mask test	BW:100kHz;			1GHz to 12.75 GHz≤
	2.Video BW :			-30dBm;
	300kHz			



After going through the antenna, the service signal reaches DIU and CHU, where the signal will be delivered to baseband after appropriate processing. Then the baseband will send the service signal to BSCU for soft switch. Afterwards, the signal will be sent back via ICB to baseband, which would convert it into HF signal and send it to the transmitter. Finally, the transmitter will deliver the HF service signal to antenna via COM_{\circ}

- 1. Open the test tool exe, then input IP address of CHU to the "Listen Remote IP" pane, click the "Open udp" button;
- 2. then find the Read Frequency pane, input the FPGA &STM32 frequency after this setup click the "Write frequency" button;
- 3. fixed Read power pane used "Write power" button then open it;
- 4. Input the RX Frequency to the "Read Frequency" pane, click the "Write frequency" button.