Air interface utilization query: display ar5drv [1|2] statistics

Problem Description

display ar5drv [1|2] **statistics**

[H3C]Probe

[H3C-hidecmd]display ar5drv 1 statistics

Radio statistics:

Transmit statistics

 TxFrameAllCnt   : 3749

 TxFrameAllBytes : 380008

Queue Number	:	0	1	2	3	EmergencyQ
TxFrameCnt	:	2175	332	0	0	6
TxUcastFrameCnt	:	2175	0	0	0	6
TxBcastFrameCnt	:	0	332	0	0	0
TxFrameBytes	:	221850	31834	0	0	252
TxUcastFrameB	:	221850	0	0	0	252
TxBcastFrameB	:	0	31834	0	0	0
TxRetryCnt	:	5708	0	0	0	0
TxMultiRetryCnt	:	1473	0	0	0	0
TxFragCnt	:	0	0	0	0	0
TxDiscardFrame	:	1236	0	0	0	0
BadMbuf	:	0	0	0	0	0
BadMbufB	:	0	0	0	0	0
NotEnoughResource	:	0	0	0	0	0
NotEnoughResourceB	:	0	0	0	0	0
BufferFailure	:	0	0	0	0	0
BufferFailureB	:	0	0	0	0	0
HwRetryExcesive	:	1236	0	0	0	0
HwRetryExcesiveB	:	126072	0	0	0	0

Solution

The display ar5drv [1|2] statistics command mainly provides 4 AC queues, emergency queues sending statistics, receiving queue statistics, and phy error statistics:

(1) Each Radio has 4 normal sending queues and 1 emergency sending queue, and usually data messages go to queue 1. Usually the main focus is on queue 1.

(2) TxDiscardFrame represents the total number of packets discarded by this queue, including the packets that failed to be sent and the queue overflowed.

(3) NotEnoughResource represents packets with queue overflow.

(4) TxDiscardFrame/TxUcastFrameCnt represents the packet loss rate. If it exceeds 3%, be wary.

(5) RadioResetOnErr means that the Radio chip is reset, which will cause packet loss. This error should not occur under normal circumstances.