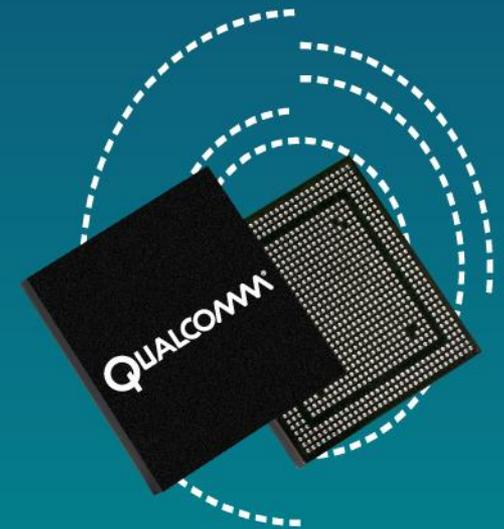


C6-150439 Typo in Inter-frequency UTRAN Measurements



Test case for PLI, Inter-frequency UTRAN Measurements

TS 31.124 clause 27.22.4.15.4.2, expected sequence 1.13 for PROVIDE LOCAL INFORMATION, Inter-frequency UTRAN Measurements

Coding:

BER-TLV:	81	03	01	26	02	82	02	82	81	83	01	00
	96	Note 1	80	Note 2	Note 3	Note 4	Note 4	Note 5	Note 6	Note 7		

Note 1: This is the length indicator for the following bytes which represent the Measurement report coded in ASN.1 and therefore the length cannot be foreseen.

Note 2: This byte shall be checked bitwise against pattern: 0001 xxx1 (x – don't care).

Note 3: This byte shall be checked bitwise against pattern: 1100 xxxx (x – don't care).

Note 4: This byte shall not be verified.

Note 5: This byte shall be checked bitwise against pattern: 0xxx xx00 (x – don't care).

Note 6: This byte shall be checked bitwise against pattern: 0011 1xxx (x – don't care).

Note 7: The remaining bytes shall not be verified.

Measurement report structure

```
measurementReport {
    measurementIdentity = 1
    measuredResults {
        interFreqMeasuredResultsList[0] {
            frequencyInfo {
                modeSpecificInfo {
                    fdd {
                        uarfcn_DL = 10700
                    }
                }
            }
            ultra_CarrierRSSI = 35
            interFreqCellMeasuredResultsList[0] {
                modeSpecificInfo {
                    fdd {
                        primaryCPICH_Info {
                            primaryScramblingCode = 100
                        }
                        cpich_Ec_N0 = 43
                        cpich_RSCP = 47
                        pathloss = 100
                    }
                }
            }
        }
    }
}
```

One example

- 96 0b 80 11 ca 73 11 80 39 92 b5 ed 80
 - 96 is the Network Measurement Results Tag
 - 0b is the TLV length
 - 80 11 ca 73 11 80 39 92 b5 ed 80 is the actual payload (network measurement report)
 - '11' is checked against 0001 xxx1 -> OK
 - 'ca' is checked against 1100 xxxx -> OK
 - '73' and '11' shall not be verified -> OK
 - '80' is checked against 0xxx xx00 -> Problem!
 - [...]

1000 0 - represents whether Measured results are present or not

000 0 - Measurement Identity (this says Measurement Identity is 1)

001 - Inter Freq Measured Results List

000 - represents one element in Inter Freq Measured results list

1 11 - frequencyInfoPresent, ultra_CarrierRSSIPresent,
interFreqCellMeasuredResultsListPresent frequencyInfo

0 - FDD

0 - uarfcn_ULPresent (not present)

1010 0111 0011 00 - UARFCN ::= INTEGER (0..16383)

01 0001 1 - UTRA-CarrierRSSI ::= INTEGER (0..127)

Conclusion

- The most significant bit of 6th octet of network measurement report is
 - 0 in case of even number for UTRA-CarrierRSSI
 - 1 in case of odd number for UTRA-CarrierRSSI
- According to existing test case, the octet needs to be checked bitwise against pattern: 0xxx
xx00
 - This works only in case of even number for UTRA-CarrierRSSI
 - Test case would fail in case of odd number for UTRA-CarrierRSSI

Questions?

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