|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| BEL-Logo-PNG | ACCEPTANCE TEST PROCEDURE | | | DOC CODE  ATP |  | |
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|
|
| QSRx with SFBs |  |  |  |  |  |  |
|  |  |
|  |  |  |  |  |  |
|  |  |

Test Data Records

TDR 6

Sl. No. Date:

Test Condition:

Test: Amplitude & Phase Tracking Measurement 1GHz IF

I/P Power: -50 dBm

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Band | Frequency  Band (Hz) | | LO Freq.(GHz) | LO2 Freq.(GHz) | Phase Tracking | | | Amp. Tracking (dB) |
| QSRx with SFB | | |
| 1,3,4 | 1,2,3 | Final Phase Tracking (Deg) |
| 1 | 0.5 | 0.8 | 14.75 | 15 | 0 | 0 | 0 | 0 |
| 2 | 0.7 | 1.2 | 14.55 | 14.6 | 0 | 0 | 0 | 0 |
| 3 | 1.1 | 1.6 | 14.15 | 13.8 | 0 | 0 | 0 | 0 |
| 4 | 1.5 | 2 | 13.75 | 13 | 0 | 0 | 0 | 0 |
| 5 | 2 | 2.5 | 13.25 | 12 | 0 | 0 | 0 | 0 |
| 6 | 2.5 | 3 | 12.75 | 11 | 0 | 0 | 0 | 0 |
| 7 | 3 | 3.5 | 12.25 | 10 | 0 | 0 | 0 | 0 |
| 8 | 3.5 | 4 | 11.75 | 9 | 0 | 0 | 0 | 0 |
| 9 | 4 | 4.5 | 11.25 | 8 | 0 | 0 | 0 | 0 |
| 10 | 4.5 | 5 | 10.75 | 7 | 0 | 0 | 0 | 0 |
| 11 | 4.5 | 5 | 16.75 | 11 | 0 | 0 | 0 | 0 |
| 12 | 5 | 5.5 | 10.25 | 6 | 0 | 0 | 0 | 0 |
| 13 | 5.5 | 6 | 9.75 | 5 | 0 | 0 | 0 | 0 |
| 14 | 6 | 6.5 | 9.25 | 4 | 0 | 0 | 0 | 0 |
| 15 | 6.5 | 7 | 9.75 | 4 | 0 | 0 | 0 | 0 |
| 16 | 7 | 7.5 | 10.25 | 4 | 0 | 0 | 0 | 0 |
| 17 | 7.5 | 8 | 10.75 | 4 | 0 | 0 | 0 | 0 |
| 18 | 8 | 8.5 | 11.25 | 4 | 0 | 0 | 0 | 0 |
| 19 | 8.5 | 9 | 11.75 | 4 | 0 | 0 | 0 | 0 |
| 20 | 9 | 9.5 | 12.25 | 4 | 0 | 0 | 0 | 0 |
| 21 | 9.5 | 10 | 12.75 | 4 | 0 | 0 | 0 | 0 |
| 22 | 10 | 10.5 | 13.25 | 4 | 0 | 0 | 0 | 0 |
| 23 | 10.5 | 11 | 13.75 | 4 | 0 | 0 | 0 | 0 |
| 24 | 11 | 11.5 | 14.25 | 4 | 0 | 0 | 0 | 0 |
| 25 | 11.5 | 12 | 14.75 | 4 | 0 | 0 | 0 | 0 |
| 26 | 12 | 12.5 | 9.25 | 4 | 0 | 0 | 0 | 0 |
| 27 | 12.5 | 13 | 9.75 | 4 | 0 | 0 | 0 | 0 |

Port: RF

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| BEL-Logo-PNG | ACCEPTANCE TEST PROCEDURE | | | DOC CODE  ATP |  | |
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|
| QSRx with SFBs |  |  |  |  |  |  |
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|  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 28 | 13 | 13.5 | 10.25 | 4 | 0 | 0 | 0 | 0 |
| 29 | 13.5 | 14 | 10.75 | 4 | 0 | 0 | 0 | 0 |
| 30 | 13.5 | 14 | 16.75 | 4 | 0 | 0 | 0 | 0 |
| 31 | 14 | 14.5 | 11.25 | 4 | 0 | 0 | 0 | 0 |
| 32 | 14.5 | 15 | 11.75 | 4 | 0 | 0 | 0 | 0 |
| 33 | 15 | 15.5 | 12.25 | 4 | 0 | 0 | 0 | 0 |
| 34 | 15.5 | 16 | 12.75 | 4 | 0 | 0 | 0 | 0 |
| 35 | 16 | 16.5 | 13.25 | 4 | 0 | 0 | 0 | 0 |
| 36 | 16.5 | 17 | 13.75 | 4 | 0 | 0 | 0 | 0 |
| 37 | 17 | 17.5 | 14.25 | 4 | 0 | 0 | 0 | 0 |
| 38 | 17.5 | 18 | 14.75 | 4 | 0 | 0 | 0 | 0 |

Specification: Channel to Channel Tracking

Phase Tracking : ±25 (max)(Excluding Band Edges)&

±30 (max)(At Band Edges)

Amplitude Tracking : **± 2.0 dB (max) 85% of data; ± 2.5 dB (max) 100% of data**

(excluding the band edges)

**± 2.5 dB (max) 85% of data; ± 3.0 dB (max) 100% of data**

(At the band edges)

RESULT : OK/NOT OK

**REP. BEL REP.CQAE(N)**

**Test Data Records**