
GTA03 GPS Conductive Single Channel Test

Title	System Integration Verification Test Report		
Subtitle			
Doc Type			
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1. Test Items

Test Introduction : This test is to verify the GPS part

Test Spec : Despense on EVK from Vendor

Test Condition :

Temperature : + 15°C ~+ 35°C

Related Humidity : 20%~75%

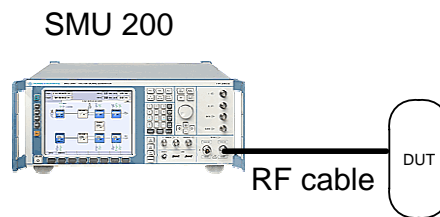
Air Pressure : 86~106kPa

DC Supply : 3.8V_{DC} , 0.3Amp

DUT Quntity : 2PCS

Test Set-up :

1. Set the SMU to be "Gereneric" Mode.
2. Set SV=1 signal power=-130dBm
3. Decrease the power by step=5dB
4. Observe the C/N and record it.



2. Test Results

Table 1. The Comparison of U-blox EVK and GTA03 EVB

Signal Power \ DUT	U-blox EVK	GTA03 EVK DUT1	GTA03 EVK DUT2
-130dBm	39	41	41
-135dBm	34	36	36
-140dBm	30	32	32
-145dBm	25	27	26

Unit: dB.Hz

3. Conclusion

From table 1, the results show that the C/N of GTA03 better 2 dB than u-blox EVK. It would provide a good base for the following real cellphone board.

4. Change History

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