

1.) You request confidentiality on Schematics, Schematics are in the test report. Submit a new test report that contains ONLY test report data. Schematics, Users Manual, Board Layouts and Internal Photos should not be in the test report.

The test report will be re-issued and downloaded on-line on the FCC website early next week. (week beginning 07th October 2002)

2.) Regarding question 17 from your reply, please submit radiated emission measurement for the lowest power setting.

We haven't done radiated measurements for the lowest power setting either at KTL or telecipation. The only radiated measurements that have been done are at full power, without shielding at KTL and with shielding at telecipation.

Please note:

We have just completed the approval of an almost identical radio module for Advantra called the AR200 with the FCC (FCC ID: O33AR200, Confirmation Number: EA374558). The AR200 module was also only tested at full power and that was sufficient for the approval.

At the time we was approving the AR200 module. This was the only question that Joe Dichoso had concerning power levels, I forward you the mail:

- * Indicate whether the device is capable of operating at the lower output power. Indicate whether the power is switchable between the higher and lower power or variable throughout the range from the highest to lowest power?
- * Answer: Our product can indeed operate at a lower output power. Switchable between these happens through a command send to the module

It is only because we are trying to perform a complete set of records that we did not simply family list the AR100 on the original FCC licence already issued for the AR200. We could have used the same test report to eliminate most further testing on the AR100 but decided to give the module a full assessment and test report. Please can you discuss this application with your colleague Joe Dichoso who technically assessed and licenced the AR200 module. .

3.) What is the conducted power for the lowest power setting?

Power = 18dBm ±1.5dB

4.) Submit a External Photos Exhibit that contains ONLY External Photos.

See question 5.

5.) Submit a Internal Photos Exhibit that contains ONLY Internal Photos.

The device is a Radio Module only, it does not have any casing and therefore I cannot submit what you have called External Photos. The photos of the product are simply Track and Component Drawings because the product is effectively a PCB.

6.) Regarding questions 12, 13 and 16 from your reply. This device appears to be licensed module, portable configurations not permitted. We will give approval with SAR in specific host device. We will NOT give approval with SAR for module.

For the AR100 our test engineers advised Advantra to perform a calculation on field strength versus distance. We performed these tests and limited the distance between device and body to 20cm.

For the approval of the AR200 Advantra limited the distance to 20cm and provided MPE calculations. However, Since the AR100 at the moment can be used closer than 20cm Advantra performed SAR testing at Telefication. I will upload the report for your evaluation in the next few weeks (the values recorded from the AR100 module are very good).

Please can you discuss this issue with Joe Dichoso who *technically assessed and licenced the AR200 module.*

Best Regards,

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