



SDI Review Form 1.6

Journal Name:	Asian Journal of Geographical Research
Manuscript Number:	Ms_AJGR_40305
Title of the Manuscript:	A STUDY OF EFFECTS OF WEATHER CONDITIONS ON SATELLITE TELEVISION CABLE NETWORK RECEPTION QUALITY IN WARRI METROPOLIS, DELTA STATE, NIGERIA
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	In general, the study is disproportionately systematized, with a rather generalizing introduction, lengthy descriptions of materials, brief methodology, superposed parts between <i>Results and conclusions</i> (Cap. 3.1, 3.2) and <i>Materials</i> (Cap. Climate...), not very well inspired selection of variables to be assessed, lack of clarity on the statistical control data. Please revise, restructure and improve the reproducibility of your experimental results. 1. The Introduction should better be focused on the theme and objectives of the study, eliminating the generalising considerations. Moreover, for a more thorough insight on the scientific issue of their concern they are kindly advised to also consult: https://www.giss.nasa.gov/staff/mmishchenko/ (on up-to-date references about electromagnetic scattering by particles and surfaces); 2. Some aspects from "<i>Materials and methods</i>" should be reduced to their prime relevance for the study (e.g. Why should there be presented detailed information on <i>Geology, Soil and Drainage</i>, for instance, if there is no further connection with core elements or variables of the study, as long as there is no analysis of the position and stability of dish antennae?). Please drop out any auxiliary information not serving <i>in stricto sensu</i> the purpose of the study. Reduce the subchapter by 2/3 thirds. 3. Despite the admirable effort the research team made on the design and implementation of their experimental tests and the minute presentation of the time, space and technical conditions of measurement, as well as the methods of statistical analysis, the authors still have to be aware that the weather variable they measured (rainfall amount and relative humidity) is not the most appropriate indicator of the intensity and clarity of TV signal in any area of study. It's cloudiness first and, therefore, they should at least try to correlate their analysis of climatic conditions in Warri (Nigeria) with cloud-cover and solar flux information, which can easily be extracted from satellite images and databases on: www.cpc.ncep.noaa.gov/products/international/africa/africa.shtml, www.worldview.earthdata.nasa.gov/. 4. On Table 3.3. it is not very clear whether the measured reception clarity of differing values (3 – 90 %) have been calculated as proportionate values from a 100% full signal ? In this case, the exact parameters of the full signal as control signal should be defined as a standard of reference. 5. Maybe Fig. 7 should be accompanied by a similar figure displaying the satellite TV network quality reception on rainy days too. 6. It is also not very clearly explained whether the statistical coefficients calculated in Ch. 3.4.2 would significantly change if multi-dependent variables were taken into consideration. Hypothesis II on subchapter 3.4.2. deals only with single-dependent variables.	
Minor REVISION comments	1. According to international climate classifications, there can be no "tropical equatorial climate". The location of the study area and its climatic description rather point to a permanently humid inter-tropical climate. Please revise. 2. An effort to condense and correlate Tables 7-18 might prove more constructive and expressive. 3. All tables should provide clear specifications on the measurement units by which each parameter, variable etc. is expressed. 4. A general revision of the English language is also strongly recommended.	
Optional/General comments	The study dwells on a very interesting and genuine idea and is scientifically supported by a an original, passionate and ambitious effort but might be significantly improved and modernised if taking into account the recommendations mentioned above. Please think of the potential benefits of some methodological improvements on the quality of the resulting paper-work.	

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