



SDI Review Form 1.6

Journal Name:	<u>Physical Science International Journal</u>
Manuscript Number:	Ms_PSIJ_33447
Title of the Manuscript:	Variability of Microwave Radio Field Strength over Nigeria.
Type of the Article	Original Research 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.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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	<ol style="list-style-type: none"> Title: I suggest a change of title because (a) I feel strongly that 7 Stations are NOT enough for generalization particularly when latitudes $> 10^0\text{N}$ and a good portion of North-East were left out (See Fig.1) and (2) radio field strength was NOT the only item discussed. Abstract: Provide a reason(s) or scientific explanation(s) for the high FSV during the dry season months and low during the rainy season months Climatic Characteristics of Nigeria: I suggest this should be "Vegetation Zones in Nigeria" since this was actually what the author discussed. Since the Rainforest was classified as Tropical maritime, monsoon, swampy by the author, it should follow that the Savannah should be similarly classified e.g. Sahel savannah (Jos), Guinea 	All corrections were noted and revised accordingly



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	<p>Savannah (Abuja & Markudi). There should be consistency.</p> <p>4. Theory and methods should read Theory and Method. Third line after eqn.3 needs citation (i.e. 'Surface refractivity correlates....')</p> <p>5. Results: The abbreviations used in the Figures e.g. NZK need a key.</p> <p>6. Discussion: Good but in the third line after 6.1, I think the author is referring to one or some of the Figs 4-7. Fig. 8 is about seasonal variation and has no time axis.</p> <p>7. Fig 4-7: What informed your choice of dates (1st Jan & 1st June)?</p> <p>8. References: Very Good but should be in alphabetical order.</p>	
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Minor REVISION comments	<p>1. Grammar: So many grammatical errors.</p> <p>Page 1</p> <ul style="list-style-type: none">• line 2; measurement should read measurements• line 6; put comma between Research and Anyigba• line 8; value should read values• line 18; put the letter 'a' before 'receiver' <p>Page 2 line</p> <ul style="list-style-type: none">• 2; Something is missing before [5]• 3; lowercase 'e' in Electromagnetic• 9; Two years data should read Two-year data• 12; Field Strength should be lowercase letters• 16; delete – in discontin-uity• 17; cross check the average	
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	<p>temperatures. Sokoto and some other cities can get as high as 40⁰C quite a long period of time.</p> <ul style="list-style-type: none"> • 19; south-westerlies should read South-Westerlies • 23; Northern should be lowercase 'n' • 28, Forest should be lowercase <p>2. Page 3 Table 1: The sub-heading climate should be changed to vegetation.</p> <p>Page 4 Instrumentation, line</p> <ul style="list-style-type: none"> • 2; Solar panel is used for what? Close the space before the last two lines • 4; there should be "and an" before anemometer • 6&7; weather and station should start with uppercase <p>Page 6 Theory and Method, line</p> <ul style="list-style-type: none"> • 1; 2 should be in words and insert 	
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	<p>“data of” after the bracket</p> <p>Page 11 Discussion, ...day expect in Nsukka ...should read except</p> <p>Page 12 6.2 line</p> <ul style="list-style-type: none"> • 2; ... It is observed..., delete ‘’from the result’’ • 3; There is seasonal..., something is missing, recast • 5; [15, 9] should read [9,15] • 6 where they obtain ... should be ‘’obtained’’ • 8 &9; Is the Atlantic not affecting PH in 2011 and PH and Lagos in 2012? Provide more reasonable explanation or delete if none. • 18; This is because Are your results conclusive? I think it should read “This may be due to...” • 21; showed should read shown <p>Page13 i.e. continuation of 6.3 line</p> <ul style="list-style-type: none"> • 1; Insert ‘of’ between that 	
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	<p>and Akure</p> <ul style="list-style-type: none"> • 7; figure should be uppercase 'F' and every other place • 10 port-Harcourt should be Port-Harcourt • 11; delete the comma in dust, plume <p>Page 14 Conclusion: Good. Line 5 (However, ...), please recast this statement.</p>	
<u>Optional/General</u> comments	The article is generally a very good attempt at discussing the variability of radio wave propagation characteristics in some parts of Nigeria	