Per Product Test – Application Form

In order to apply for use of the tick mark, applicants must complete (fill in) the following documents. These forms should be completed whilst referencing the **Per Product Testing Paper**.

**

Name and address of the test house

..................................................................................................................................................................

..................................................................................................................................................................

Are you an accredited test house? Y / N (Please circle as appropriate)

UKAS accreditation number (if suitable) ……………………………………………………………..

Please note: If you are not accredited Digital Radio UK will be in touch with further questions.

Tolerances (please provide results, as appropriate):

* C.9 Measurement Uncertainty Calculation – conducated ……………………………
* C C.10 FAR / SAR Radiated Measurement Uncertainty Calculation – radiated ……………………………
* C.12 GTEM Radiated Measurement Uncertainty Calculation – radiated ……………………………

Please complete the tables below

|  |  |
| --- | --- |
| Company name: |  |
| Company address: |  |
| Tester name: |  |
| Email: |  |
| Phone number: |  |
| Date: |  |
| Time: |  |
| Location of test |  |
| Type of chamber used: |  |
| Make and model of receiver: |  |
| Serial number of receiver: |  |
| Any other information on the receiver: |  |

Functional tests

Please provide a summary of results below.

|  |  |  |
| --- | --- | --- |
| **TEST** | **Please circle as appropriate** | **DESCRIPTION OF RESULTS** |
| Retuning Test 4 – “DRAP-Tick-Fcn-Test-4 Scan and add another ensemble”  Sect A.10 | PASS / FAIL |  |
| DLS Test 3 – “DRAP-Tick-Fcn-Test-3 DLS is displayed and displayed correctly”  Sect A.8 | PASS / FAIL |  |
| DLS Test 2 – “DRAP-Tick-Fcn-Test-2 play audio and view label for audio service”  Sect A.7 | PASS / FAIL |  |
| Retuning Test 1 – “DRAP-Tick-  Fcn-Test-1 scan add new services”  Sect A.6 | PASS / FAIL |  |

Sensitivity and performance tests

Please provide a summary of results below, using the applicable method.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TEST** | | | **Please circle as appropriate** | | **DESCRIPTION OF RESULTS** | | | |
| Sensitivity conducted measurement, quantitative test using OOI sine wave  Sect C.5.1.2 | | | PASS / FAIL | | (Provide results according to table C.8 – see below) | | | |
| Sensitivity conducted qualitative listening test using OOI music stream  Sect C.5.1.3 | | | PASS / FAIL | |  | | | |
| Sensitivity Radiated measurement, using a Fully Anechoic Chamber / SAR - quantitative test using OOI sine wave  Sect C.6.1 | | | PASS / FAIL | | (Provide results according to table C.7 – see below) | | | |
| Sensitivity radiated in FAR /SAR, qualitative listening test using OOI music stream  Sect C.6.3.3 | | | PASS / FAIL | |  | | | |
| Sensitivity Radiated measurement, using a GTEM Chamber - quantitative test using OOI sine wave  Sect C.6.2 | | | PASS / FAIL | | (Provide results according to table C.11 – see below) | | | |
| Sensitivity radiated in GTEM , qualitative listening test using OOI music stream  Sect C.6.3.3 | | | PASS / FAIL | |  | | | |
| C.7 Radiated Test Result Template – FAR / SAR  **Receiver Make Model and type and serial number**  **…………………………………………………………………………..** | | | | | | **Mains voltage / Frequency**  **…………………………………………….** | | |
| **Date and time of test**  **…………………………………………….** | | | **Test personnel names:**  **…………………………………………….** | | | **Box X. Measurement uncertainty value, (U.V.) Xtf in dB for 95% confidence:**  **…………………………………………….** | | |
| **List attached files / diagrams / Photos / video clips:**  **…………………………………………….** | | | | | | **Other Calibration data / test equipment**  **…………………………………………….** | | |
| **A** | **B** | | | | **C** | | **D** | |
| **Channel** | **Frequency (MHz)** | | | | **PASS / FAIL**  **Target Threshold**  **(dBuV/m) for OOI test using U.V in Box X.** | | **OOI test Impairment**  **recorded?**  **Yes or no** | |
| **5A** | 174.928 | | | | 32.4+ Xtf= | |  | |
| **10B** | 211.648 | | | | 34.1+ Xtf= | |  | |
| **10C** | 213.36 | | | | 34.1+ Xtf= | |  | |
| **10D** | 215.072 | | | | 34.2+ Xtf= | |  | |
| **11A** | 216.928 | | | | 34.3+ Xtf= | |  | |
| **11B** | 218.64 | | | | 34.3+ Xtf= | |  | |
| **11C** | 220.352 | | | | 34.4+ Xtf= | |  | |
| **11D** | 222.064 | | | | 34.5+ Xtf= | |  | |
| **12A** | 223.936 | | | | 34.6+ Xtf= | |  | |
| **12B** | 225.648 | | | | 34.6+ Xtf= | |  | |
| **12C** | 227.36 | | | | 34.7+ Xtf= | |  | |
| **12D** | 229.072 | | | | 34.8+ Xtf= | |  | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C.8 Conducted Test Result Template  **Receiver Make Model and type and serial number**  **…………………………………………………………………………..** | | | | **Mains voltage / Frequency**  **…………………………………………….** | | | | | | | | | | | | | | | | | | |
| **Date and time of test**  **…………………………………………….** | | | | **Test personnel names:**  **…………………………………………….** | | | | **Box Y. Measurement uncertainty value, (U.V.) Ytf in dB for 95% confidence:**  **…………………………………………….** | | | | | | | | | | | | | | |
| **List attached files / diagrams / Photos / video clips:**  **…………………………………………….** | | | | **Other Calibration data / test equipment**  **…………………………………………….** | | | | | | | | | | | | | | | | | | |
| **A** | | | | **B** | | | | **C** | **D** | | | | | **E** | | | | **F** | | | | |
| **Channel** | | | | **Frequency (MHz)** | | | | **PASS / FAIL**  **Target Threshold**  **(dBm) for OOI test using U.V in Box Y.** | **OOI test Impairment recorded?**  **Yes or no** | | | | | **PASS / FAIL**  **Threshold - maximum allowed limit**  **(dBm) for OOI test** | | | | **OOI test Impairment recorded?**  **Yes or no** | | | | |
|  | |  | | | | NB use Column C and D **OR** Column E and F | | | | | | | | | | | | | | |  | |
| **5A** | | 174.928 | | | | -97.7+Ytf= | | | | |  | | | | -97.3 | | | |  | | **1** | |
| **10B** | | 211.648 | | | | -97.7+Ytf= | | | | |  | | | | -97.3 | | | |  | | **2** | |
| **10C** | | 213.36 | | | | -97.7+Ytf= | | | | |  | | | | -97.3 | | | |  | | **3** | |
| **10D** | | 215.072 | | | | -97.7+Ytf= | | | | |  | | | | -97.3 | | | |  | | **4** | |
| **11A** | | 216.928 | | | | -97.7+Ytf= | | | | |  | | | | -97.3 | | | |  | | **5** | |
| **11B** | | 218.64 | | | | -97.7+Ytf= | | | | |  | | | | -97.3 | | | |  | | **6** | |
| **11C** | | 220.352 | | | | -97.7+Ytf= | | | | |  | | | | -97.3 | | | |  | | **7** | |
| **11D** | | 222.064 | | | | -97.7+Ytf= | | | | |  | | | | -97.3 | | | |  | | **8** | |
| **12A** | | 223.936 | | | | -97.7+Ytf= | | | | |  | | | | -97.3 | | | |  | | **9** | |
| **12B** | | 225.648 | | | | -97.7+Ytf= | | | | |  | | | | -97.3 | | | |  | | **10** | |
| **12C** | | 227.36 | | | | -97.7+Ytf= | | | | |  | | | | -97.3 | | | |  | | **11** | |
| **12D** | | 229.072 | | | | -97.7+Ytf= | | | | |  | | | | -97.3 | | | |  | | **12** | |
| C.11 GTEM Radiated Test Result Template (same thresholds as for SAR / FAR)  **Receiver Make Model and type and serial number**  **…………………………………………………………………………..** | | | **Mains voltage / Frequency**  **…………………………………………….** | | | | | | | | | | | | | | | | | | | |
| **Date and time of test**  **…………………………………………….** | | | **Test personnel names:**  **…………………………………………….** | | | | **Box X. Measurement uncertainty value (U.V.) in dB for 95% confidence:**  **…………………………………………….** | | | | | | | | | | | | | | | |
| **List attached files / diagrams / Photos / video clips:**  **…………………………………………….** | | | **Other Calibration data / test equipment**  **…………………………………………….** | | | | | | | | | | | | | | | | | | | |
| **A** | | | **B** | | | | **C** | | | **D** | | | **E** | | | | **F** | | | | | |
| **Channel** | | | **Frequency (MHz)** | | | | **PASS / FAIL**  **Target Threshold**  **(dBuV/m) for OOI test using U.V in Box X.** | | | **OOI test Impairment recorded?**  **Yes or no** | | | **PASS / FAIL**  **Threshold - maximum allowed limit**  **(dBuV/m) for OOI test** | | | | **OOI test Impairment recorded?**  **Yes or no** | | | | | |
|  |  | | | | NB use Column C and D OR Column E and F | | | | | | | | | | | | | | | | |  |
| **5A** | 174.928 | | | | 32.4+Xtf= | | | | | | |  | | | | 36.4 | | | |  | | **1** |
| **10B** | 211.648 | | | | 34.1+Xtf= | | | | | | |  | | | | 38.1 | | | |  | | **2** |
| **10C** | 213.36 | | | | 34.1+Xtf= | | | | | | |  | | | | 38.1 | | | |  | | **3** |
| **10D** | 215.072 | | | | 34.2+ Xtf= | | | | | | |  | | | | 38.2 | | | |  | | **4** |
| **11A** | 216.928 | | | | 34.3+ Xtf= | | | | | | |  | | | | 38.3 | | | |  | | **5** |
| **11B** | 218.64 | | | | 34.3+ Xtf= | | | | | | |  | | | | 38.3 | | | |  | | **6** |
| **11C** | 220.352 | | | | 34.4+ Xtf= | | | | | | |  | | | | 38.4 | | | |  | | **7** |
| **11D** | 222.064 | | | | 34.5+ Xtf= | | | | | | |  | | | | 38.5 | | | |  | | **8** |
| **12A** | 223.936 | | | | 34.6+ Xtf= | | | | | | |  | | | | 38.6 | | | |  | | **9** |
| **12B** | 225.648 | | | | 34.6+ Xtf= | | | | | | |  | | | | 38.6 | | | |  | | **10** |
| **12C** | 227.36 | | | | 34.7+ Xtf= | | | | | | |  | | | | 38.7 | | | |  | | **11** |
| **12D** | 229.072 | | | | 34.8+ Xtf= | | | | | | |  | | | | 38.8 | | | |  | | **12** |

Declaration of Conformity



*I*

*................................ ................................*

*(Job title: ............................................................. )*

*Representing the organisation:*

*...................................................................................................................................................*

*Declare that the following product (make and model):*

*...................................................................................................................................................*

*Uses the following technology provider chipset and software:*

*...................................................................................................................................................*

*Has completed and passed the Digital Radio Per Product Test.*

*Signed .............................................................*

Date …………………………………………………………

*REFERENCE NUMBER (FOR DIGITAL RADIO UK PURPOSES): …………………………………………………*