

## Annex 1: Measurement diagrams 22-1-0131901T006a-C01-A1

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                        |                |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------|
| <b>Number of pages:</b>                                 | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Date of Report:</b> | 2023-Mar-10    |
| <b>Testing company:</b>                                 | <p>cetecom advanced GmbH<br/>Im Teelbruch 116<br/>45219 Essen Germany<br/>Tel. + 49 (0) 20 54 / 95 19-0<br/>Fax: + 49 (0) 20 54 / 95 19-150</p>                                                                                                                                                                                                                                                                                                                            | <b>Applicant:</b>      | BBC Bircher AG |
| <b>Product:</b><br><b>Model:</b>                        | <p><b>Wireless Transmission System</b><br/><b>XRF-TI</b></p>                                                                                                                                                                                                                                                                                                                                                                                                               |                        |                |
| <b>FCC ID:</b>                                          | TBZ-XRFTI9                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>IC:</b>             | 5904A-XRFTI9   |
| <b>Testing has been carried out in accordance with:</b> | <p><b>FCC Regulations</b><br/><b>Title 47 CFR, Chapter I, Subchapter A, Part 15</b><br/><b>Subpart B Unintentional Radiators</b><br/>§ 15.107 Conducted limits<br/>§ 15.109 Radiated emission limits</p> <p><b>ISED-Regulations</b><br/><b>Radio Standards Specification</b><br/><b>RSS-Gen, Issue 5</b><br/>General Requirements for Compliance of Radio Apparatus</p> <p><b>ICES-003, Issue 7</b><br/>Information Technology Equipment (including Digital Apparatus)</p> |                        |                |

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## 1 Measurement diagrams

### 3.01

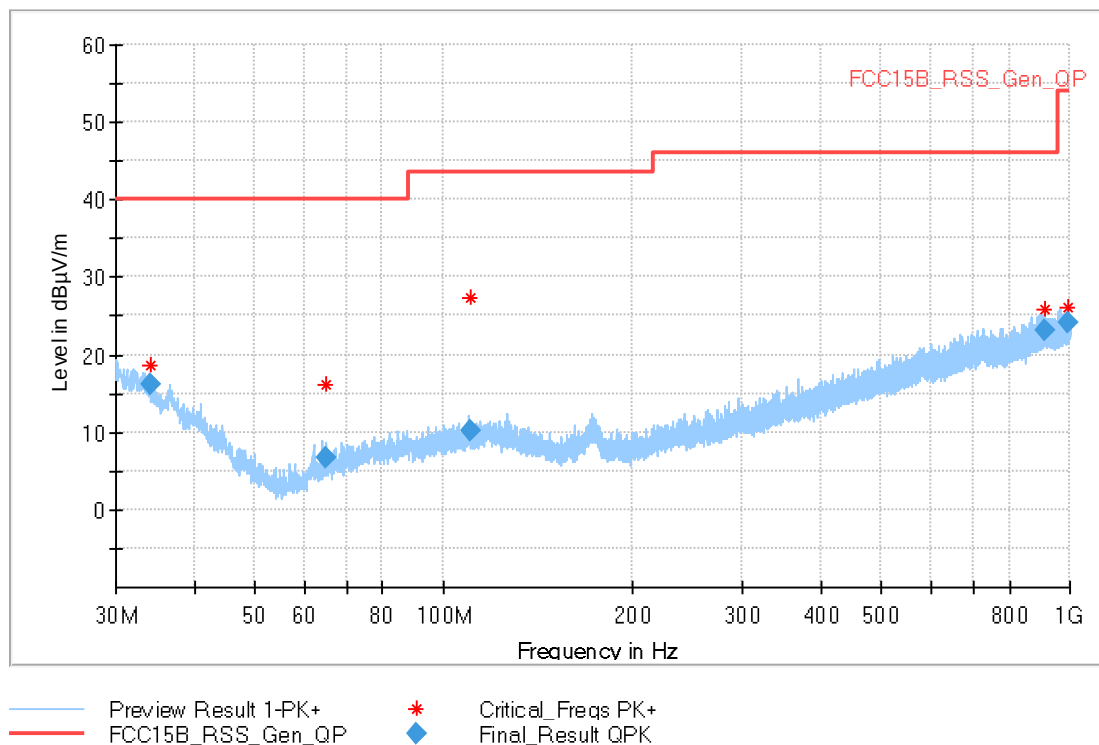
Date: 21.12.2022    Page 1 of 2  
 Test Description: Electric Fieldstrength Measurement above 1GHz  
 Test Site & Location: Semi Anechoic Chamber (SAC5); CETECOM GmbH  
 Version of Testsoftware: EMC32 V10.60.20  
 Test Specification: FCC15.109, class B; RSS-Gen.: Issue 4  
 Operating Mode: Rx mode with all AE on without RF  
 Used Filter: none  
 Measured side(s): front, right, rear, left  
 Distance correction: no, measurement in 3m Distance with 3m Limits  
 Environmental conditions: Humidity: 34% rH; Temperature: 22 °C; Pressure: 996 hPa  
 Operator: ACheikh

#### EUT Information

Sample PMT Number : 22-1-01319S07\_C01

#### Full Spectrum

Full Spectrum



#### Final\_Result

| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Sig Path (dB) | Preamplifier (dB) |
|-----------------|--------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|---------------|-------------------|
| 34.156000       | 16.24              | 40.00          | 23.76       | 120.000         | 300.0       | H   | 68.0          | 18           | 1             | 0                 |
| 64.780000       | 6.71               | 40.00          | 33.29       | 120.000         | 132.0       | V   | 210.0         | 9            | 1             | 0                 |
| 110.372000      | 10.14              | 43.50          | 33.36       | 120.000         | 182.0       | H   | 17.0          | 13           | 1             | 0                 |
| 913.224000      | 23.11              | 46.00          | 22.89       | 120.000         | 250.0       | V   | 77.0          | 25           | 4             | 0                 |
| 994.588000      | 24.14              | 54.00          | 29.86       | 120.000         | 246.0       | H   | 301.0         | 25           | 4             | 0                 |

## 4.01

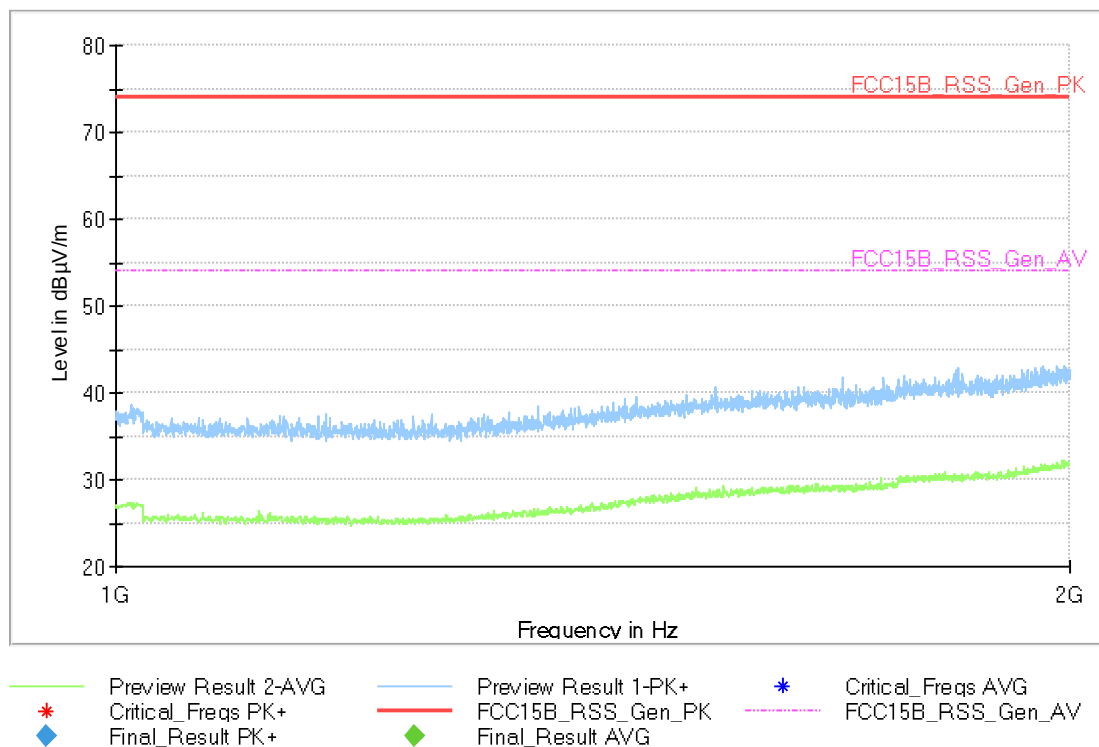
|                           |                                                         |             |
|---------------------------|---------------------------------------------------------|-------------|
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| Test Site & Location:     | Semi Anechoic Chamber (SAC5); CETECOM GmbH              |             |
| Version of Testsoftware:  | EMC32 V10.60.20                                         |             |
| Test Specification:       | FCC15.109, class B; RSS-Gen.: Issue 4                   |             |
| Operating Mode:           | Rx mode with all AE on without RF                       |             |
| Used Filter:              | none                                                    |             |
| Measured side(s):         | front, right, rear, left                                |             |
| Distance correction:      | no, measurement in 3m Distance with 3m Limits           |             |
| Environmental conditions: | Humidity: 34% rH; Temperature: 22 °C; Pressure: 996 hPa |             |
| Operator:                 | ACheikh                                                 |             |
| Comments:                 |                                                         |             |

### EUT Information

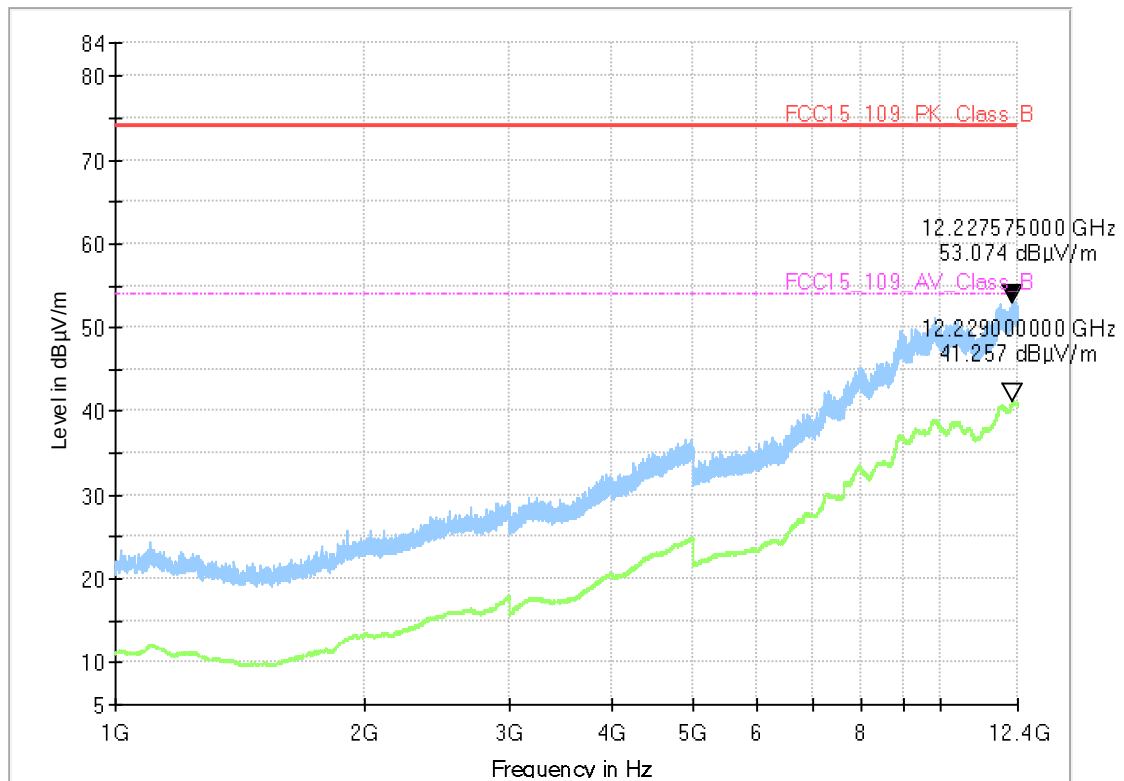
Sample PMT Number : 22-1-01319S07\_C01

### Full Spectrum

Full Spectrum



Full Spectrum

**End Of Annex 1**