**File Format**

|  |  |
| --- | --- |
| **Field** | **Format** |
| FileName | *String* com 16 caracteres (um byte por caractere)  “RFlookBin v.1/01”  Format: RF Look Bin  Version: 1  DataType: 01 |

**16 bytes**

**Spectral Data**

|  |  |
| --- | --- |
| **Field** | **Format** |
| gpsStatus | uint8 |
| Latitude | single (float32) |
| Longitude | single (float32) |
| localTimeStamp\_YY | uint8 (-2020) |
| localTimeStamp\_MM | uint8 |
| localTimeStamp\_DD | uint8 |
| localTimeStamp\_HH | uint8 |
| localTimeStamp\_mm | uint8 |
| localTimeStamp\_ss | uint8 |
| localTimeStamp\_SSS | uint16 (\*1000) |
| Array of Levels | Vetor com comprimento igual a DataPoints, sendo cada número representado como single (float32) |

**(17 + 4\*DataPoints) bytes**

**GPS Data**

|  |  |
| --- | --- |
| **Field** | **Format** |
| gpsType | uint8 |
| gpsStatus | uint8 |
| Latitude | single (float32) |
| Longitude | single (float32) |
| utcTimeStamp\_YY | uint8 (-2020) |
| utcTimeStamp\_MM | uint8 |
| utcTimeStamp\_DD | uint8 |
| utcTimeStamp\_HH | uint8 |
| utcTimeStamp\_mm | uint8 |
| utcTimeStamp\_ss | uint8 |
| utcTimeStamp\_SSS | uint16 (\*1000) |

**18 bytes**

**Spectrum Analyzer MetaData**

|  |  |
| --- | --- |
| **Field** | **Format** |
| Node | *String* com 32 caracteres (um byte por caractere) |
| F0 | single (float32) |
| F1 | single (float32) |
| DataPoints | uint16 |
| Resolution | single (float32) |
| TraceMode | int8 |
| Detector | int8 |
| LevelUnit | uint8 |
| Preamp | int8 |
| AttenuationMode | int8 |
| AttenuationFactor | Int8 |
| SampleTime | single (float32) |
|  | 3 bytes |

**58 bytes**

**Task Data**

|  |  |
| --- | --- |
| **Field** | **Format** |
| TaskName | *String* com 32 caracteres (um byte por caractere) |
| ThreadID | uint8 |
| Description | *String* com 32 caracteres (um byte por caractere) |
| Antenna | int8 |
| RevisitTime | single (float32) |
| IntegrationTime | single (float32) |
| Threshold | int16 (+1000) |

**76 bytes**